

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050619\
 Data File : VX009364.D
 Acq On : 06 May 2019 20:33
 Operator : JC/SP
 Sample : K2697-06MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502MSD

Quant Time: May 07 06:39:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 04 07:18:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	164409	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	264502	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	242120	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	120584	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	110802	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	
35) Dibromofluoromethane	5.49	113	82540	49.64	ug/l	0.00
Spiked Amount			Recovery	=	99.28%	
50) Toluene-d8	8.71	98	333497	49.68	ug/l	0.00
Spiked Amount			Recovery	=	99.36%	
62) 4-Bromofluorobenzene	11.13	95	123905	50.80	ug/l	0.00
Spiked Amount			Recovery	=	101.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	68067	44.927	ug/l	100
3) Chloromethane	1.32	50	91158	44.071	ug/l	99
4) Vinyl Chloride	1.41	62	94126	46.667	ug/l	97
5) Bromomethane	1.64	94	54954	45.393	ug/l	97
6) Chloroethane	1.71	64	59590	46.016	ug/l	100
7) Trichlorofluoromethane	1.92	101	117185	47.796	ug/l	99
8) Diethyl Ether	2.19	74	56019	48.236	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	72543	47.117	ug/l	99
10) Methyl Iodide	2.51	142	72719	41.510	ug/l	98
11) Tert butyl alcohol	3.06	59	146299	281.605	ug/l	99
12) 1,1-Dichloroethene	2.37	96	73486	47.637	ug/l	95
13) Acrolein	2.29	56	101623	215.993	ug/l	98
14) Allyl chloride	2.72	41	170829	45.440	ug/l	100
15) Acrylonitrile	3.14	53	325081	255.917	ug/l	100
16) Acetone	2.45	43	280020	232.354	ug/l	100
17) Carbon Disulfide	2.56	76	189452	43.743	ug/l	100
18) Methyl Acetate	2.78	43	133907	46.721	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	293777	49.041	ug/l	99
20) Methylene Chloride	2.85	84	89577	45.906	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	78162	46.720	ug/l	98
22) Diisopropyl ether	3.86	45	351139	48.569	ug/l	91
23) Vinyl Acetate	3.81	43	1441902	232.906	ug/l	99
24) 1,1-Dichloroethane	3.70	63	169440	47.508	ug/l	99
25) 2-Butanone	4.68	43	478074	255.278	ug/l	99
26) 2,2-Dichloropropane	4.59	77	96429	36.324	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	95626	47.887	ug/l	96
28) Bromochloromethane	5.02	49	68572	47.632	ug/l	99
29) Tetrahydrofuran	5.13	42	314109	260.647	ug/l	99
30) Chloroform	5.21	83	156815	48.614	ug/l	98
31) Cyclohexane	5.58	56	152510	45.962	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	128119	47.712	ug/l	100
36) 1,1-Dichloropropene	5.80	75	114427	46.552	ug/l	99
37) Ethyl Acetate	4.84	43	163873	47.849	ug/l	99
38) Carbon Tetrachloride	5.79	117	106971	47.898	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Sat May 04 07:18:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	138258	45.800	ug/l	97
40) Benzene	6.14	78	365342	48.025	ug/l	99
41) Methacrylonitrile	5.04	41	99255	48.686	ug/l	98
42) 1,2-Dichloroethane	6.20	62	132073	48.399	ug/l	100
43) Isopropyl Acetate	6.45	43	266764	48.696	ug/l	100
44) Trichloroethene	7.21	130	85450	46.464	ug/l	98
45) 1,2-Dichloropropane	7.51	63	104000	48.281	ug/l	99
46) Dibromomethane	7.66	93	59846	47.843	ug/l	98
47) Bromodichloromethane	7.90	83	123813	49.621	ug/l	98
48) Methyl methacrylate	7.77	41	139237	51.231	ug/l	100
49) 1,4-Dioxane	7.74	88	57131	1036.532	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	948966	265.028	ug/l	100
52) Toluene	8.79	92	220429	47.668	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	134532	47.756	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	148600	47.657	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	92143	48.842	ug/l	97
56) Ethyl methacrylate	9.18	69	170829	50.727	ug/l	100
57) 1,3-Dichloropropane	9.37	76	162153	48.843	ug/l	99
59) 2-Hexanone	9.49	43	751024	267.061	ug/l	100
60) Dibromochloromethane	9.58	129	92744	50.334	ug/l	99
61) 1,2-Dibromoethane	9.67	107	93464	49.079	ug/l	99
64) Tetrachloroethene	9.34	164	75131	45.237	ug/l	98
65) Chlorobenzene	10.14	112	232428	47.988	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	85632	48.766	ug/l	100
67) Ethyl Benzene	10.25	91	423858	47.550	ug/l	99
68) m/p-Xylenes	10.36	106	314428	96.527	ug/l	98
69) o-Xylene	10.69	106	155523	48.390	ug/l	100
70) Styrene	10.71	104	272162	48.722	ug/l	100
71) Bromoform	10.85	173	72546	50.839	ug/l #	100
73) Isopropylbenzene	11.02	105	410660	46.832	ug/l	99
74) N-amyl acetate	10.90	43	239745	46.896	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	162159	49.607	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	185734	66.402	ug/l	81
77) Bromobenzene	11.26	156	104022	47.795	ug/l	98
78) n-propylbenzene	11.36	91	474353	47.367	ug/l	99
79) 2-Chlorotoluene	11.42	91	284669	46.075	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	347966	47.129	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	49289	45.087	ug/l	97
82) 4-Chlorotoluene	11.51	91	328529	47.069	ug/l	100
83) tert-Butylbenzene	11.77	119	340447	47.400	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	351910	47.485	ug/l	100
85) sec-Butylbenzene	11.94	105	402612	47.281	ug/l	100
86) p-Isopropyltoluene	12.06	119	365912	47.799	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	184892	47.654	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	183575	46.931	ug/l	98
89) n-Butylbenzene	12.38	91	330721	47.799	ug/l	100
90) Hexachloroethane	12.60	117	62228	47.714	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	190913	48.310	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	37837	51.598	ug/l	100
93) 1,2,4-Trichlorobenzene	13.65	180	132319	48.963	ug/l	99

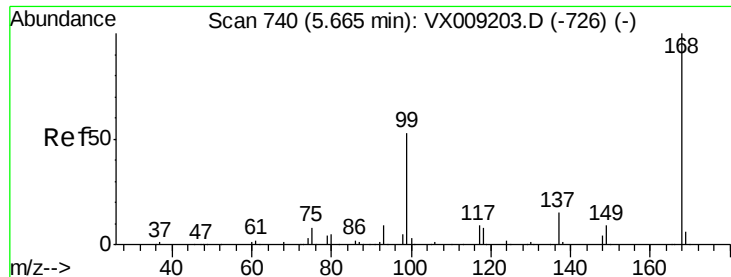
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050619\
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Acq On : 06 May 2019 20:33
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Sat May 04 07:18:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	65476	47.446	ug/l	99
95) Naphthalene	13.83	128	449279	51.101	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	134868	49.234	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

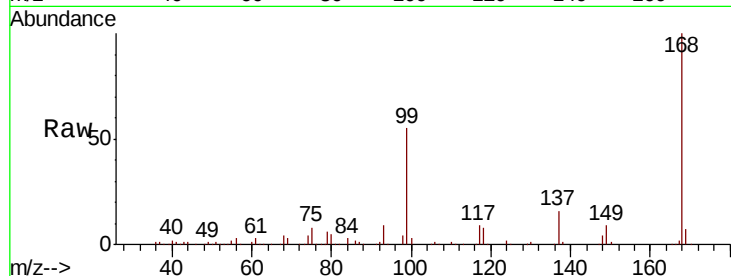
MW-4-20190502MSD

Tot Ion:168 Resp: 164409

Ion Ratio Lower Upper

168 100

99 55.0 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

50000

40000

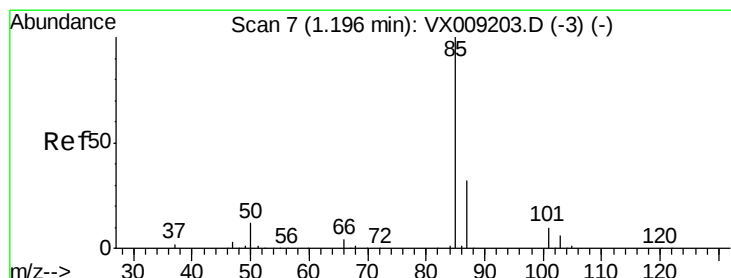
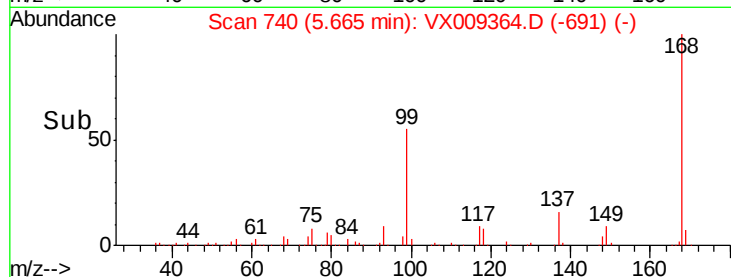
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.927 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009364.D

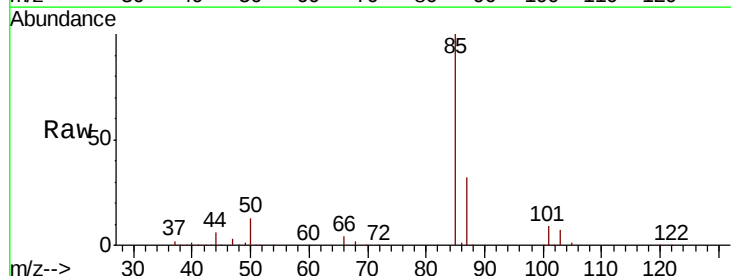
Acq: 06 May 2019 20:33

Tgt Ion: 85 Resp: 68067

Ion Ratio Lower Upper

85 100

87 32.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

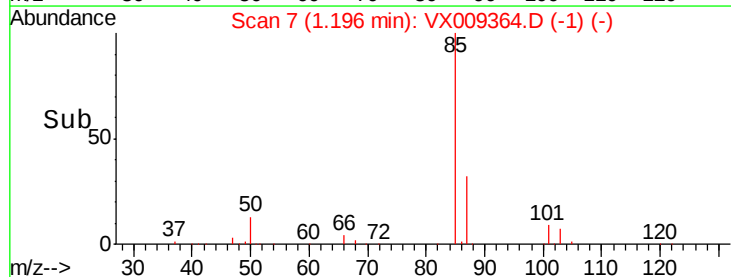
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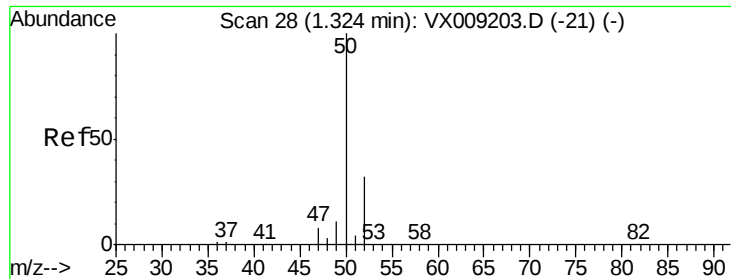
40000

20000

0

Time-->





#3

Chloromethane

Concen: 44.071 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

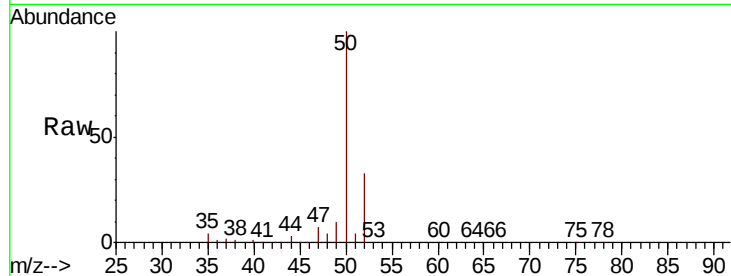
MW-4-20190502MSD

Tot Ion: 50 Resp: 91158

Ion Ratio Lower Upper

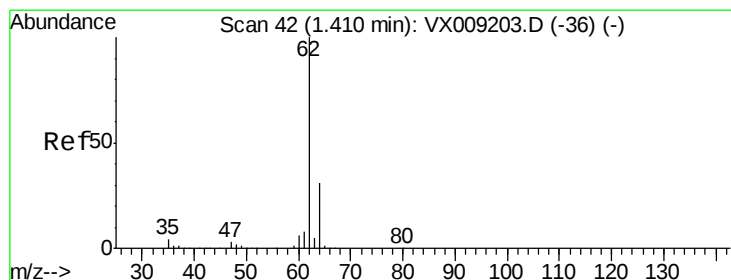
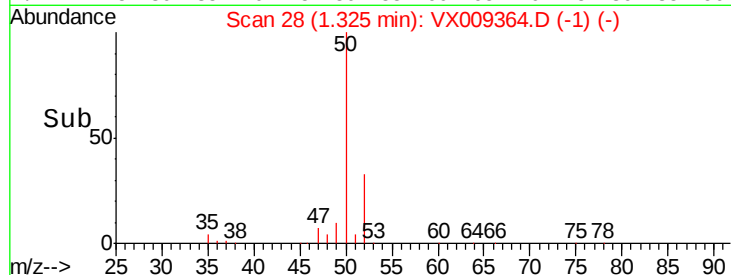
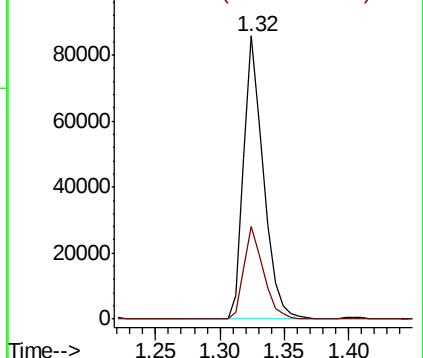
50 100

52 32.8 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 46.667 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009364.D

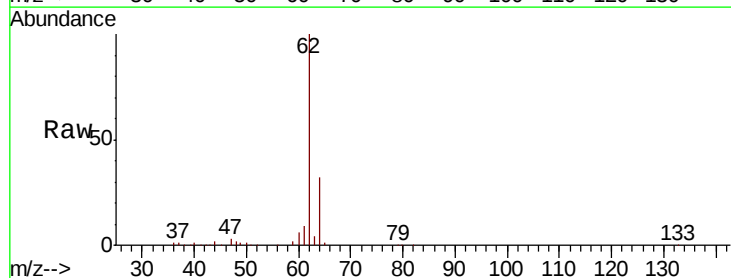
Acq: 06 May 2019 20:33

Tgt Ion: 62 Resp: 94126

Ion Ratio Lower Upper

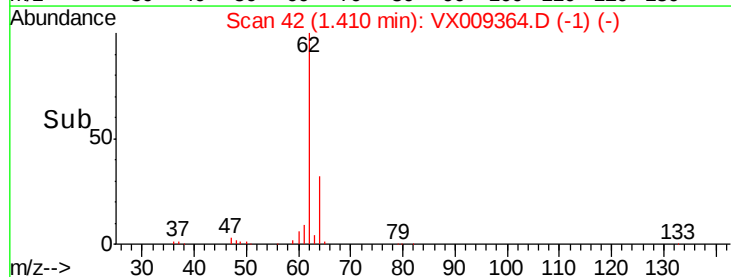
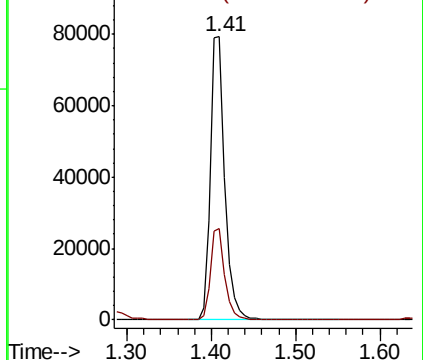
62 100

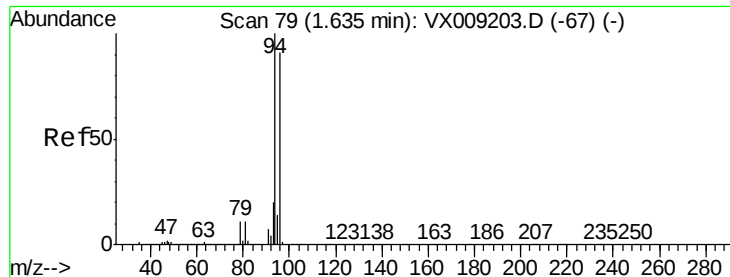
64 32.1 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 45.393 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

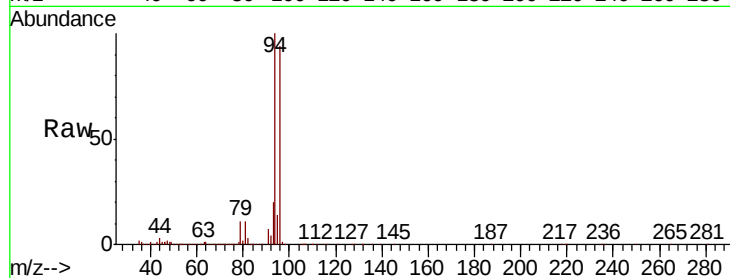
MW-4-20190502MSD

Tot Ion: 94 Resp: 54954

Ion Ratio Lower Upper

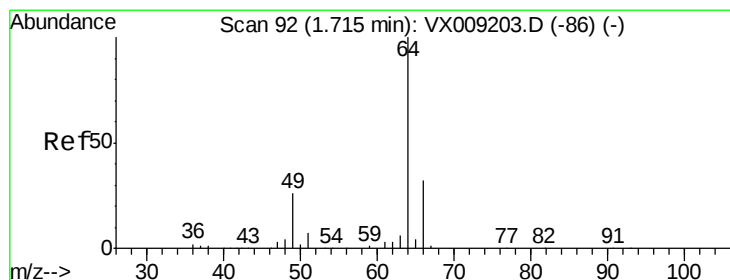
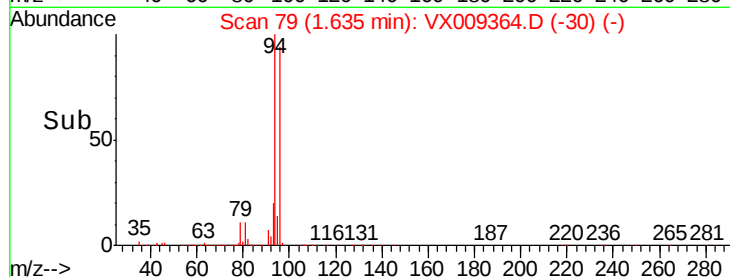
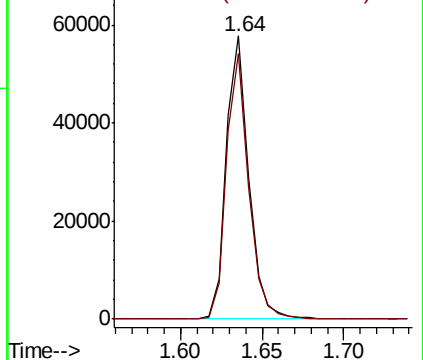
94 100

96 93.8 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 46.016 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX009364.D

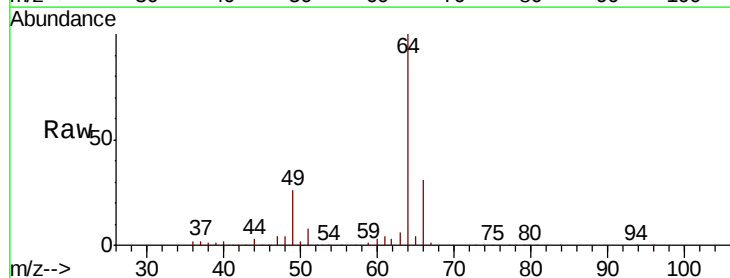
Acq: 06 May 2019 20:33

Tgt Ion: 64 Resp: 59590

Ion Ratio Lower Upper

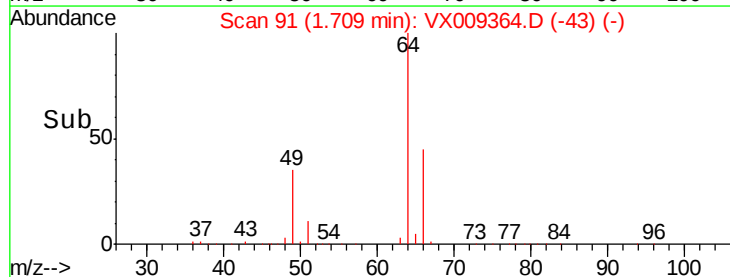
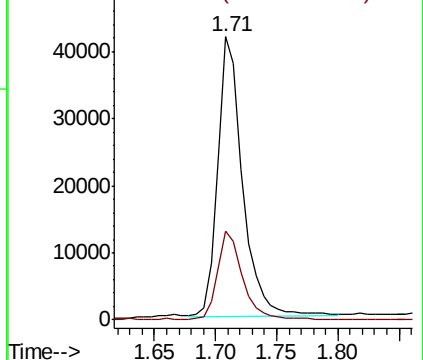
64 100

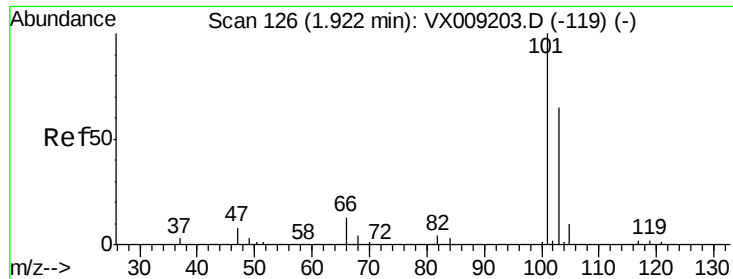
66 31.8 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



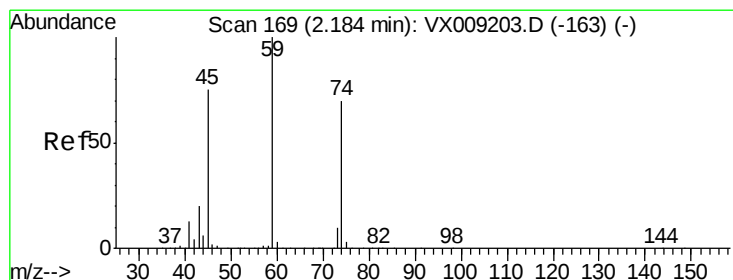
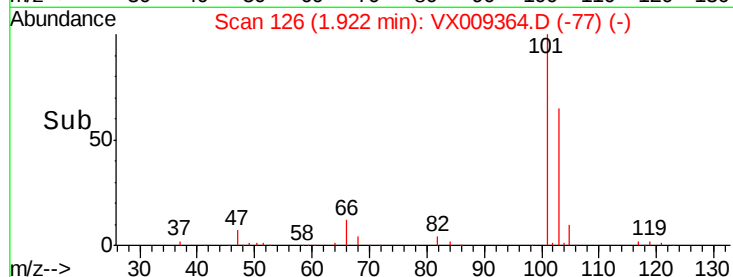
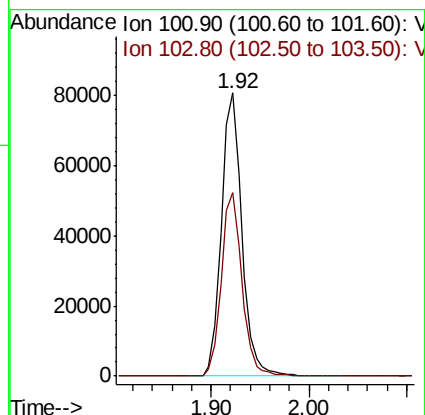
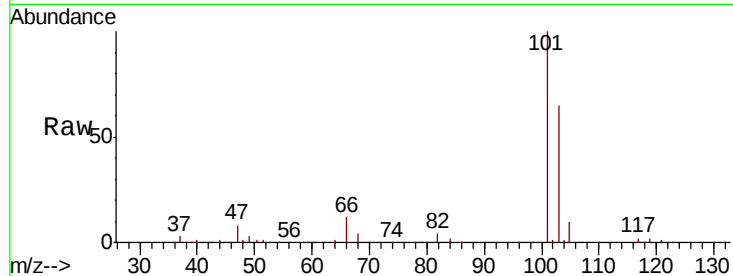


#7

Trichlorofluoromethane
 Concen: 47.796 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX009364.D
 Acq: 06 May 2019 20:33

Instrument :
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 MW-4-20190502MSD

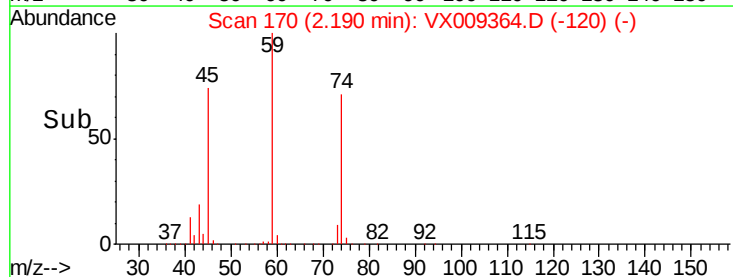
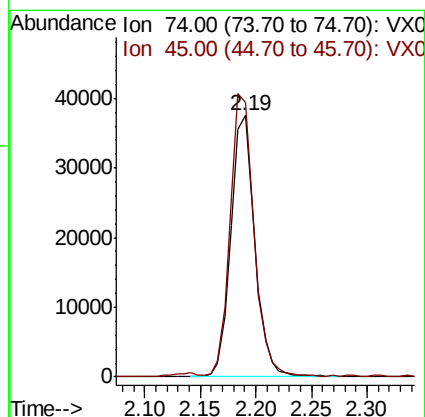
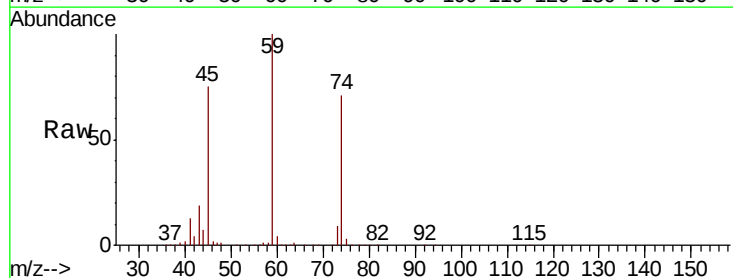
Tot Ion:101 Resp: 117185
 Ion Ratio Lower Upper
 101 100
 103 65.0 52.4 78.6

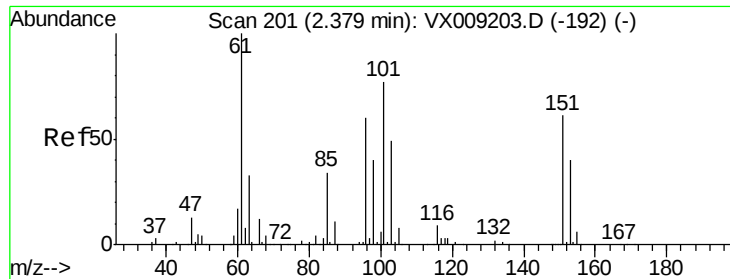


#8

Diethyl Ether
 Concen: 48.236 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009364.D
 Acq: 06 May 2019 20:33

Tgt Ion: 74 Resp: 56019
 Ion Ratio Lower Upper
 74 100
 45 107.2 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.117 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MSD

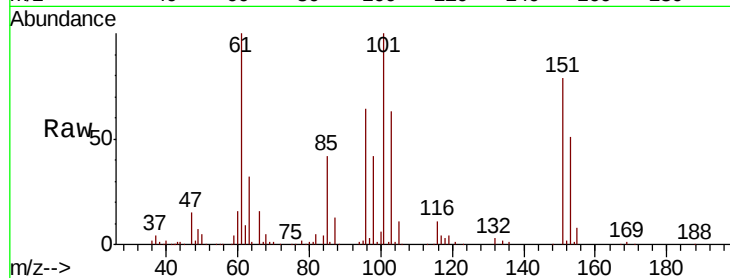
Tot Ion:101 Resp: 72543

Ion Ratio Lower Upper

101 100

85 44.1 35.7 53.5

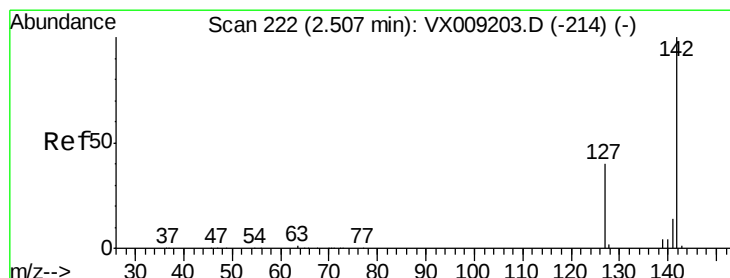
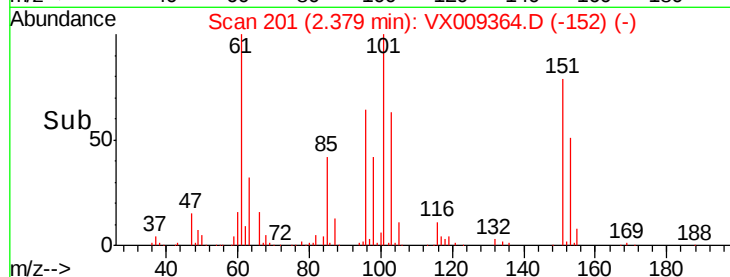
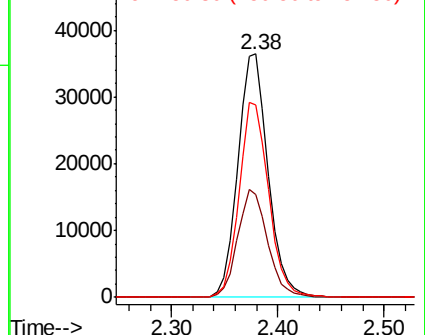
151 78.6 62.2 93.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 41.510 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

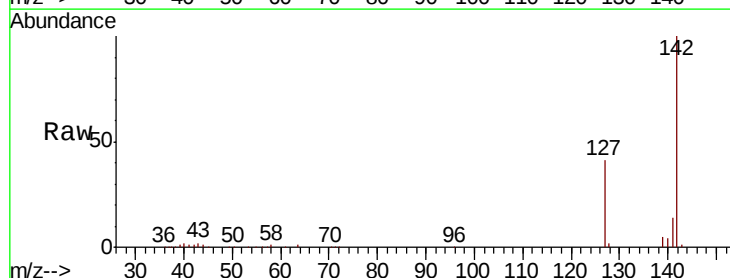
Tgt Ion:142 Resp: 72719

Ion Ratio Lower Upper

142 100

127 41.9 32.7 49.1

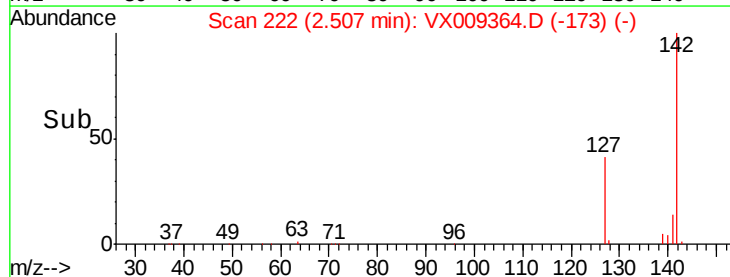
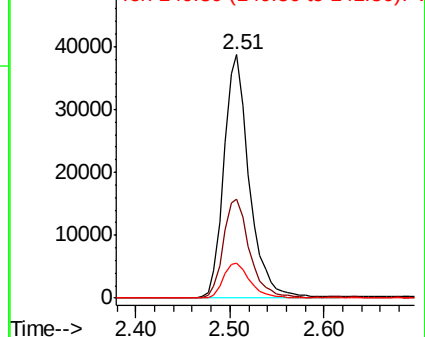
141 15.0 11.5 17.3

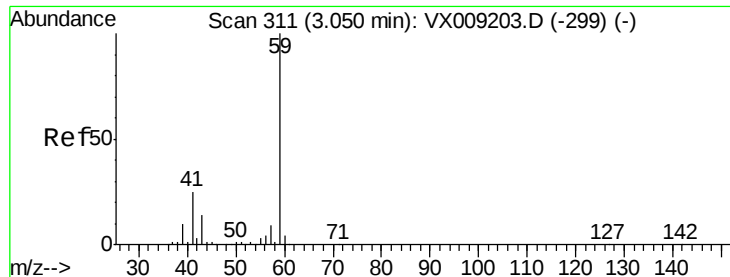


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

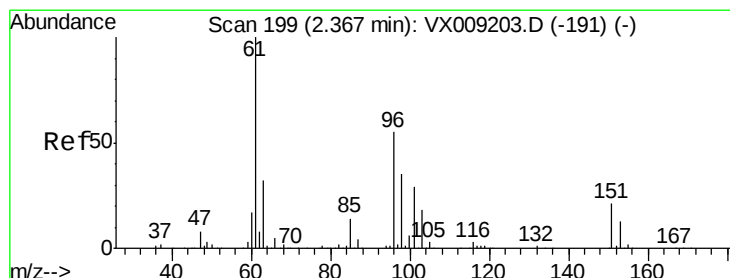
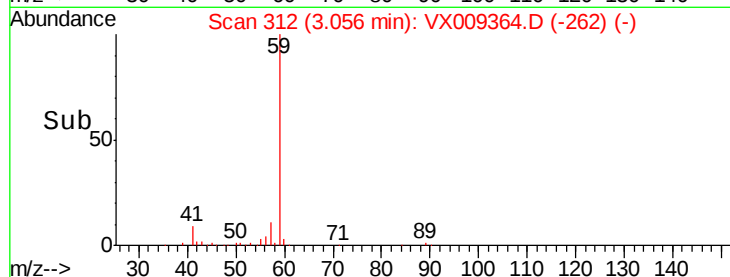
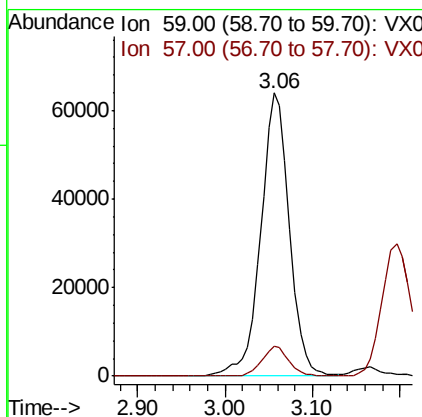
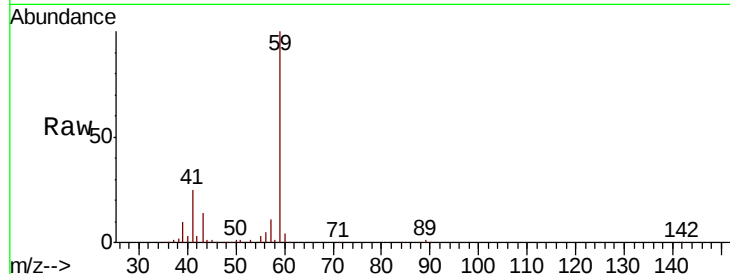




#11
Tert butyl alcohol
Concen: 281.605 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

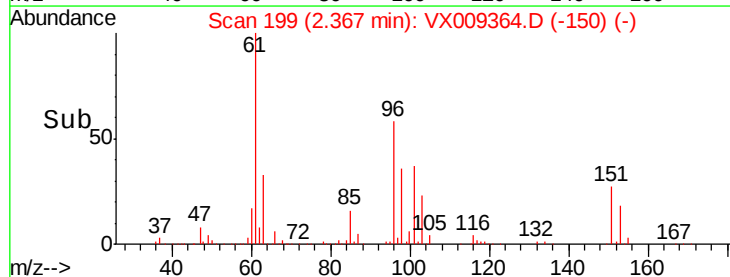
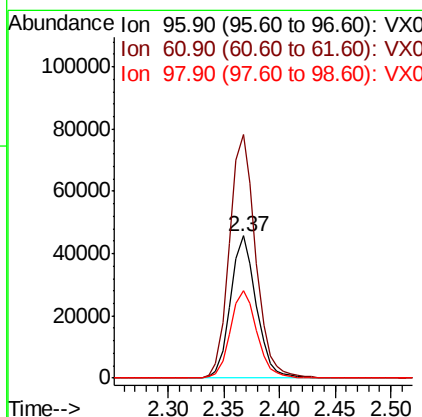
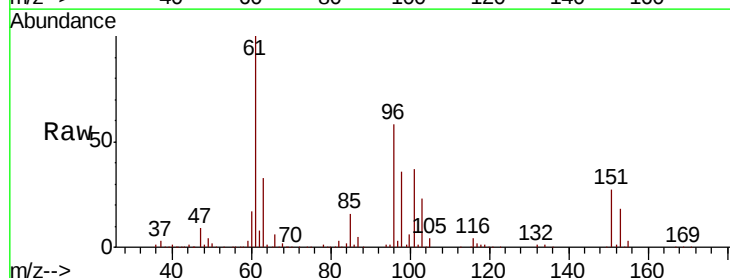
Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MSD

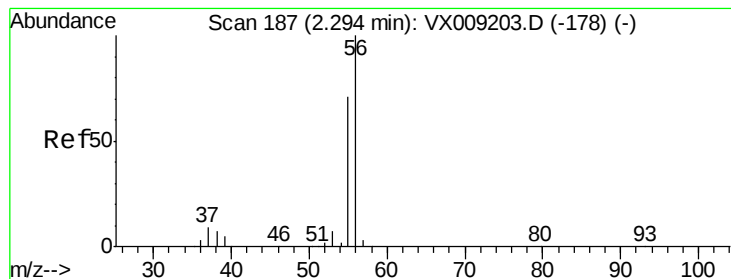
Tot Ion: 59 Resp: 146299
Ion Ratio Lower Upper
59 100
57 10.0 8.2 12.2



#12
1,1-Dichloroethene
Concen: 47.637 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Tgt Ion: 96 Resp: 73486
Ion Ratio Lower Upper
96 100
61 171.0 144.3 216.5
98 61.5 50.3 75.5





#13

Acrolein

Concen: 215.993 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

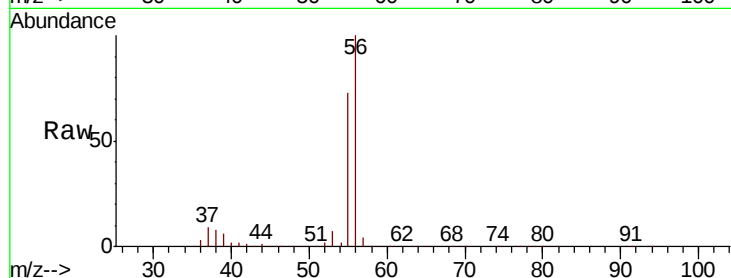
MW-4-20190502MSD

Tot Ion: 56 Resp: 101623

Ion Ratio Lower Upper

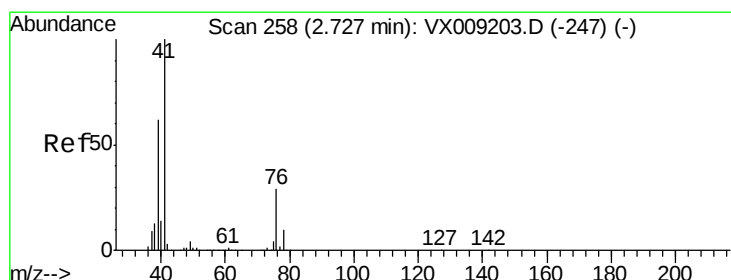
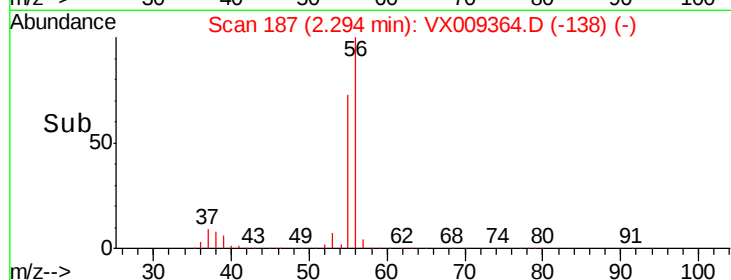
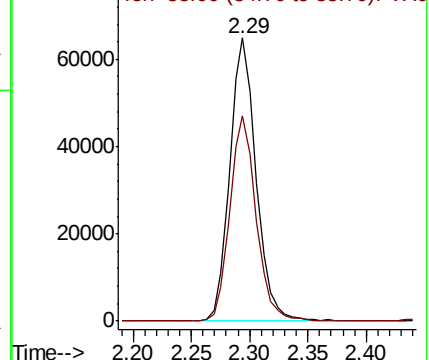
56 100

55 72.5 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 45.440 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

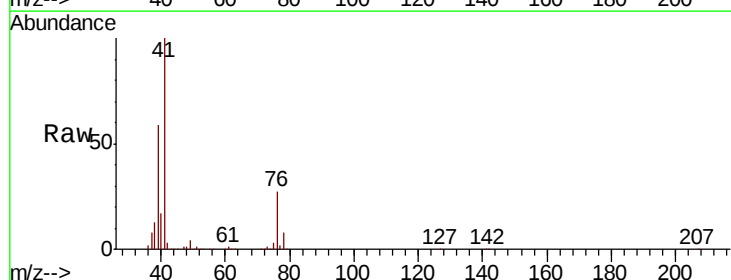
Tgt Ion: 41 Resp: 170829

Ion Ratio Lower Upper

41 100

39 58.5 46.7 70.1

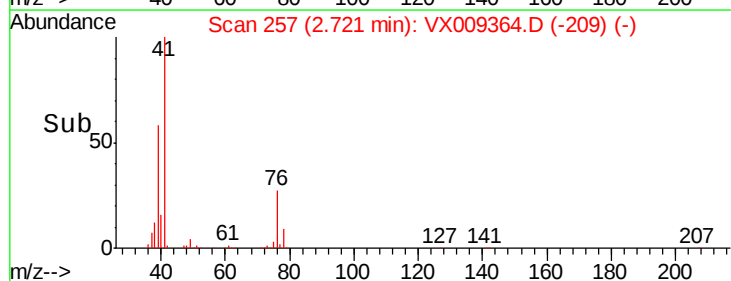
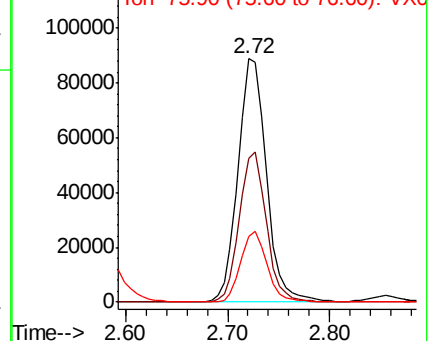
76 27.1 21.8 32.8

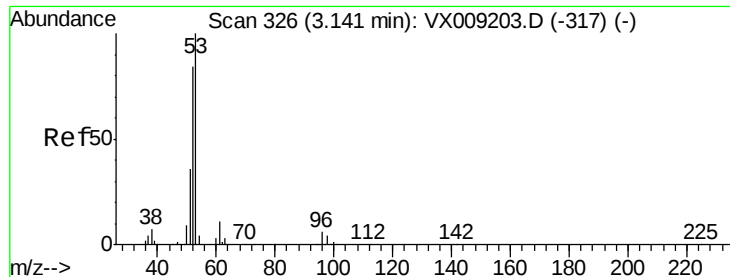


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 255.917 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MSD

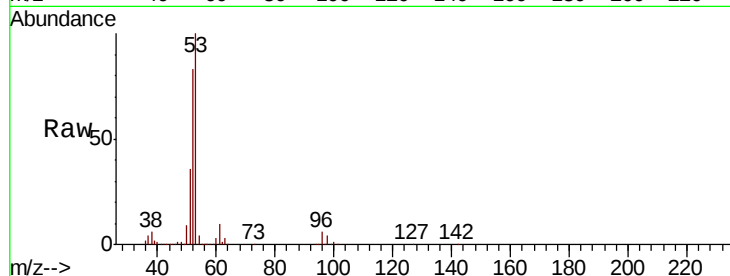
Tot Ion: 53 Resp: 325081

Ion Ratio Lower Upper

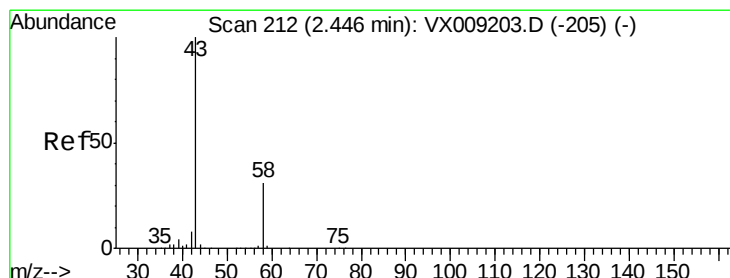
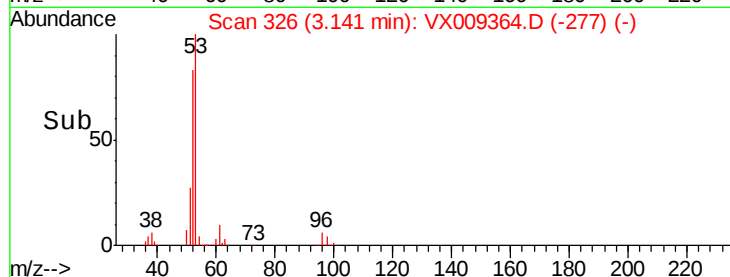
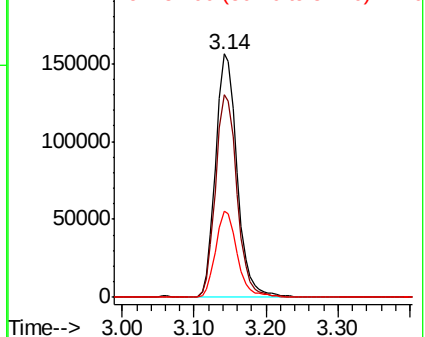
53 100

52 83.1 66.9 100.3

51 35.3 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 232.354 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009364.D

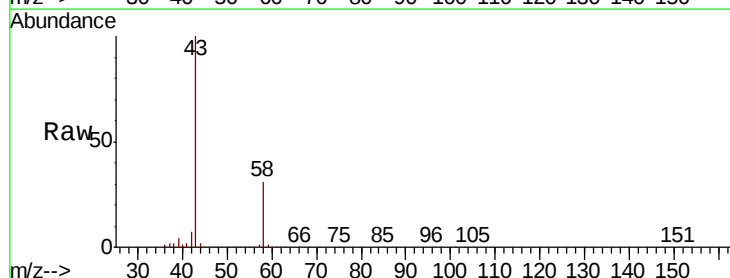
Acq: 06 May 2019 20:33

Tgt Ion: 43 Resp: 280020

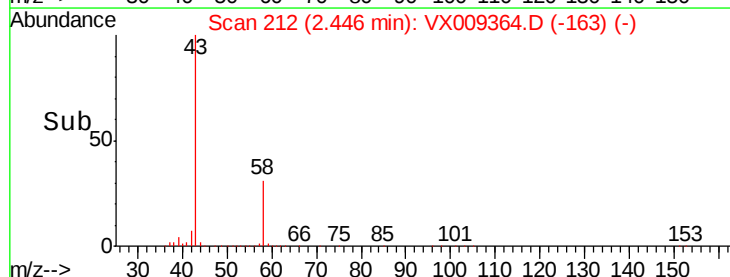
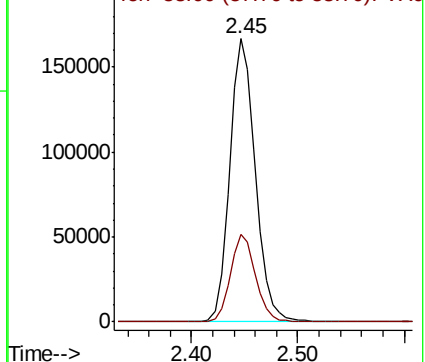
Ion Ratio Lower Upper

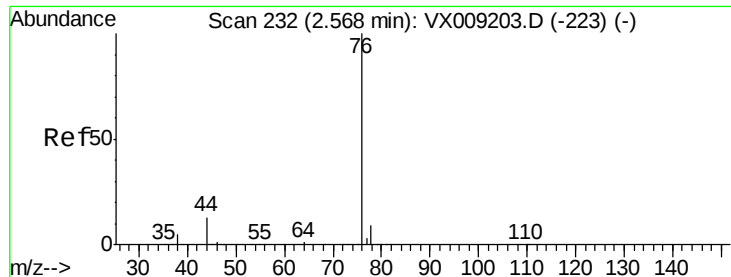
43 100

58 30.9 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

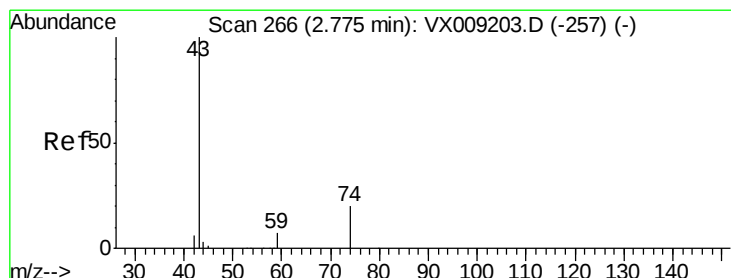
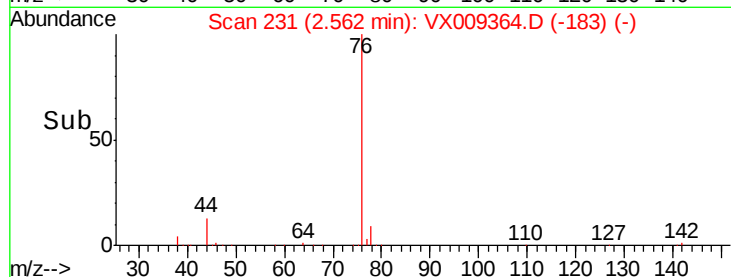
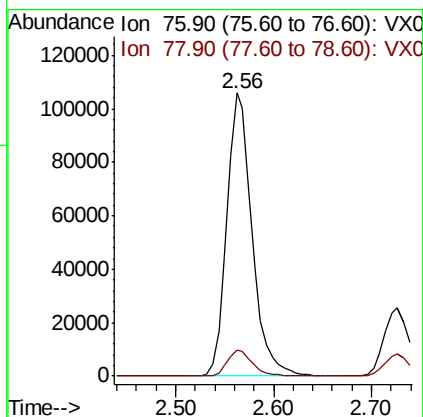
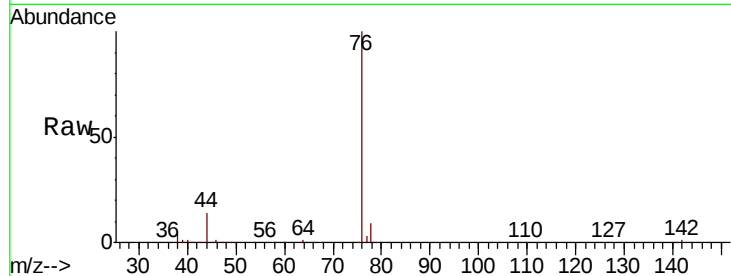




#17
Carbon Disulfide
Concen: 43.743 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

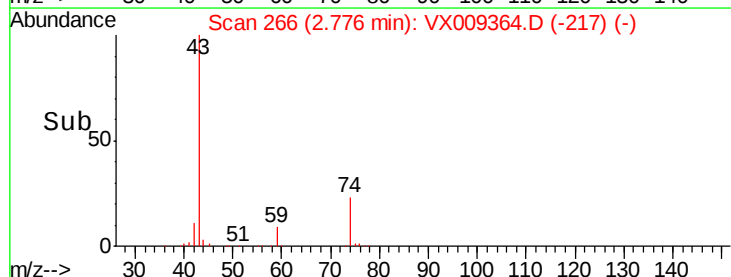
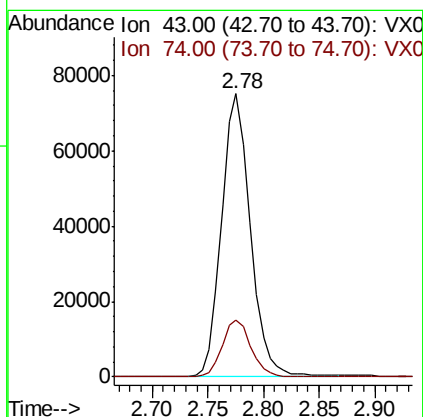
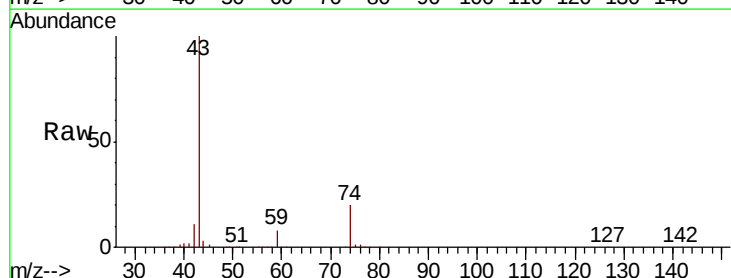
Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MSD

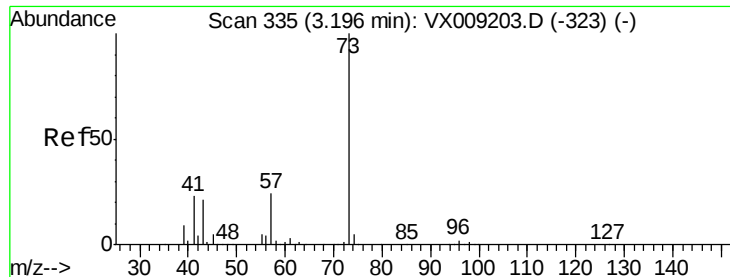
Tot Ion: 76 Resp: 189452
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0



#18
Methyl Acetate
Concen: 46.721 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Tgt Ion: 43 Resp: 133907
Ion Ratio Lower Upper
43 100
74 20.4 16.2 24.4

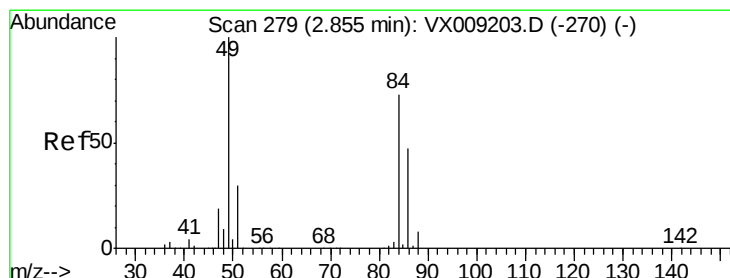
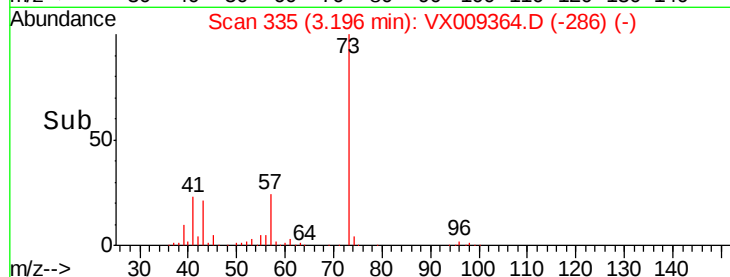
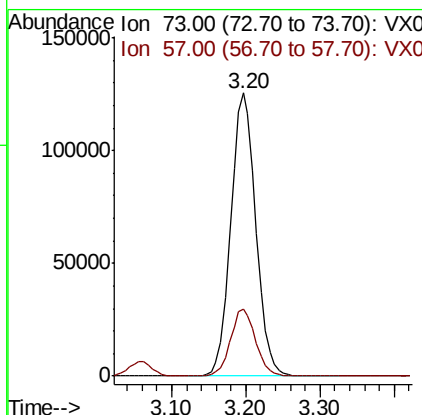
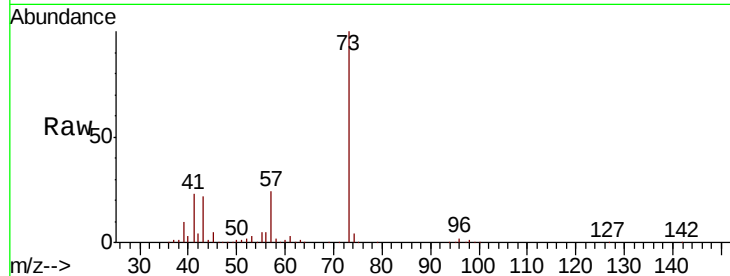




#19
Methyl tert-butyl Ether
Concen: 49.041 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

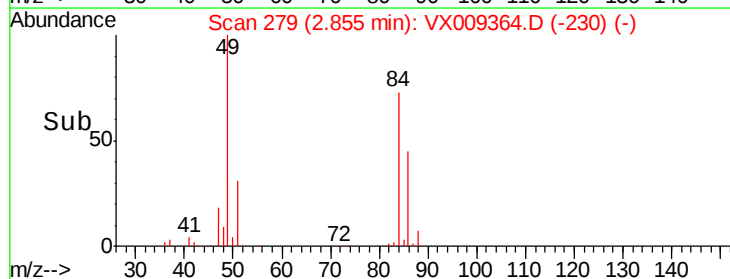
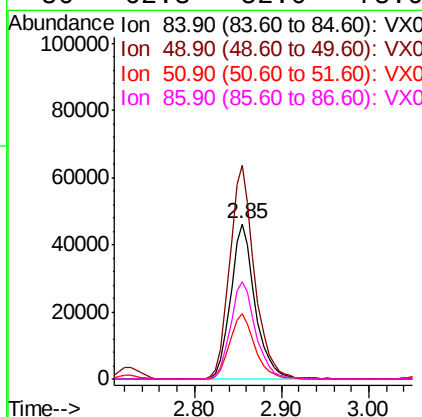
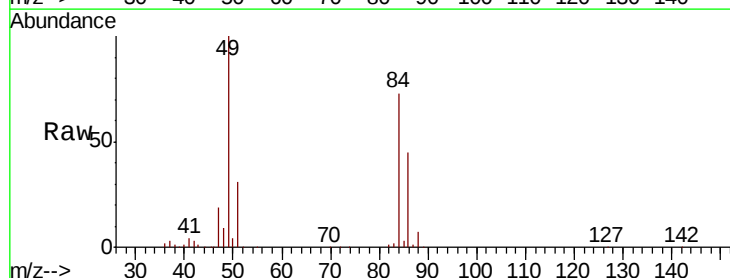
Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MSD

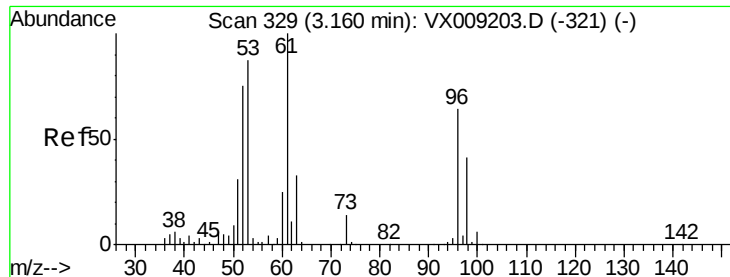
Tot Ion: 73 Resp: 293777
Ion Ratio Lower Upper
73 100
57 23.7 19.3 28.9



#20
Methylene Chloride
Concen: 45.906 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Tgt Ion: 84 Resp: 89577
Ion Ratio Lower Upper
84 100
49 137.3 109.9 164.9
51 42.1 32.7 49.1
86 62.3 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 46.720 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MSD

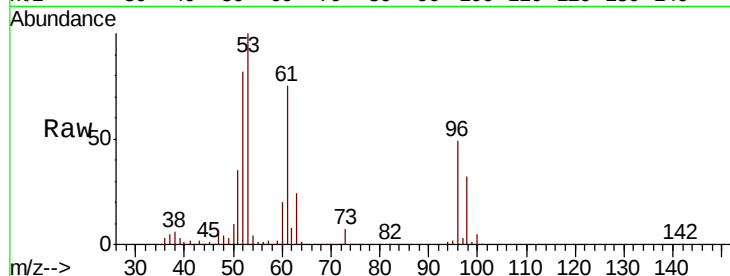
Tot Ion: 96 Resp: 78162

Ion Ratio Lower Upper

96 100

61 152.9 124.5 186.7

98 64.3 50.4 75.6

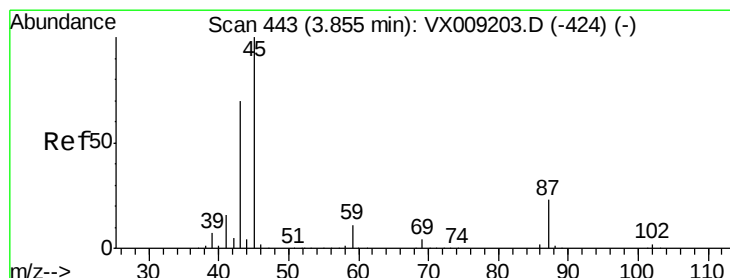
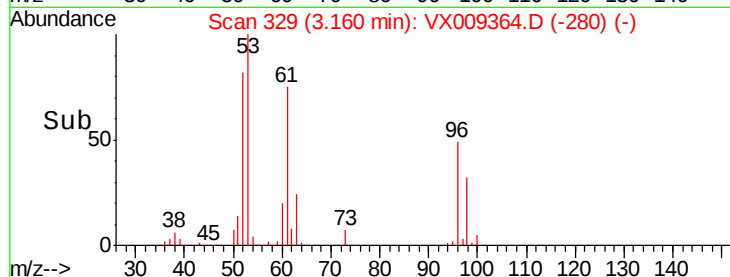
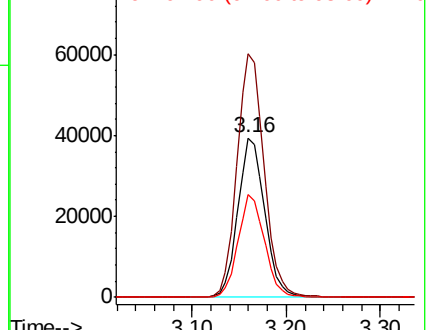


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 48.569 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

Tgt Ion: 45 Resp: 351139

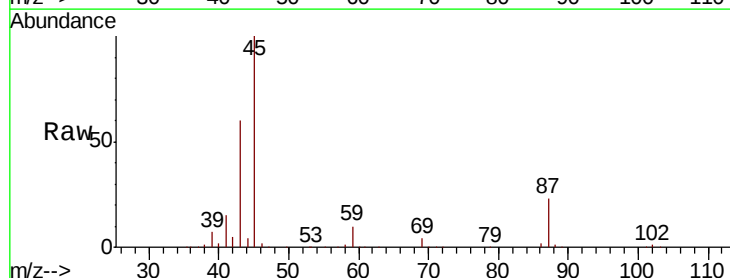
Ion Ratio Lower Upper

45 100

43 60.0 56.1 84.1

87 23.1 18.1 27.1

59 10.5 8.5 12.7



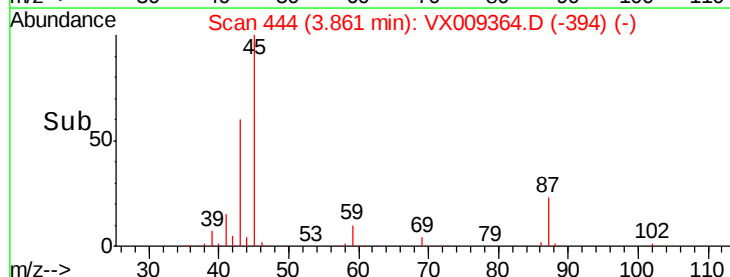
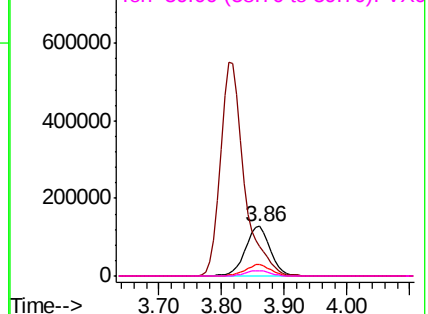
Abundance

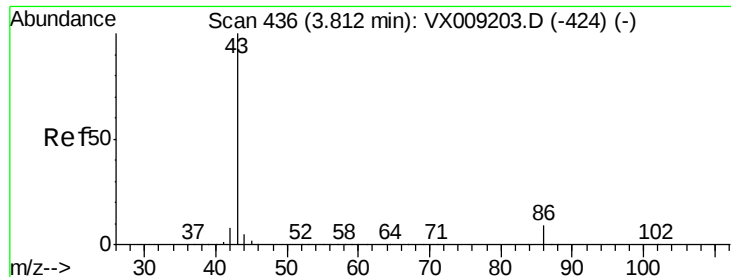
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 232.906 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

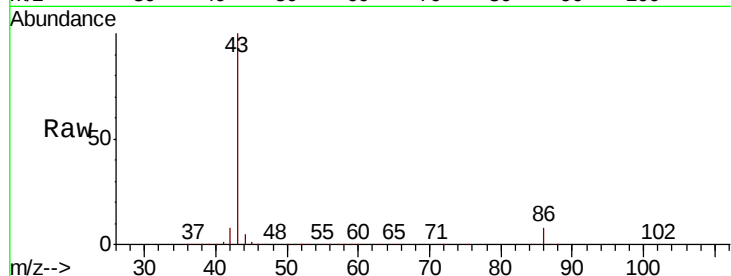
MW-4-20190502MSD

Tot Ion: 43 Resp: 1441902

Ion Ratio Lower Upper

43 100

86 8.4 6.9 10.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.81

600000

500000

400000

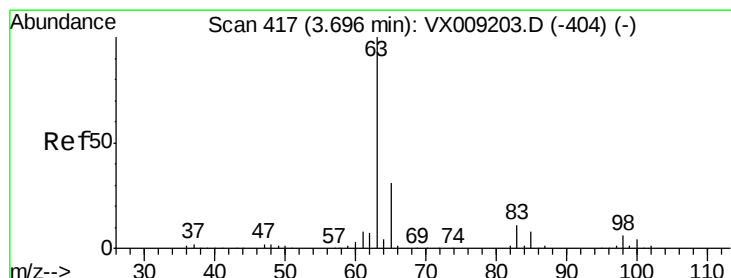
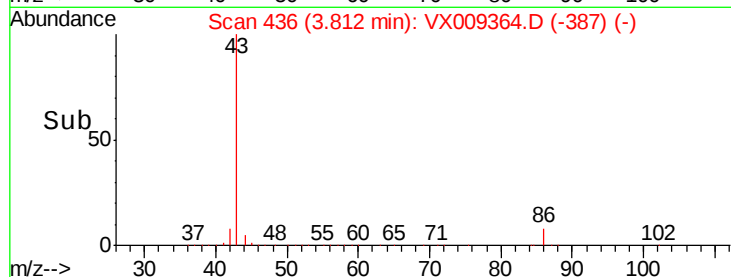
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 47.508 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

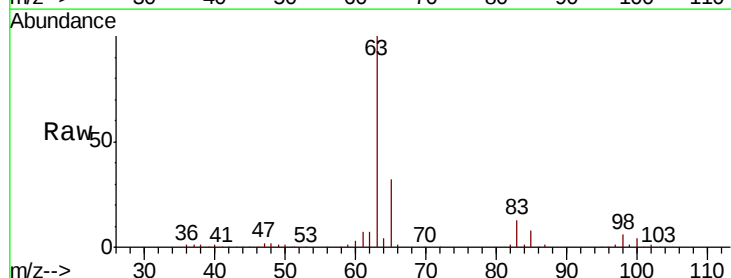
Tgt Ion: 63 Resp: 169440

Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.2

100 3.9 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.70

80000

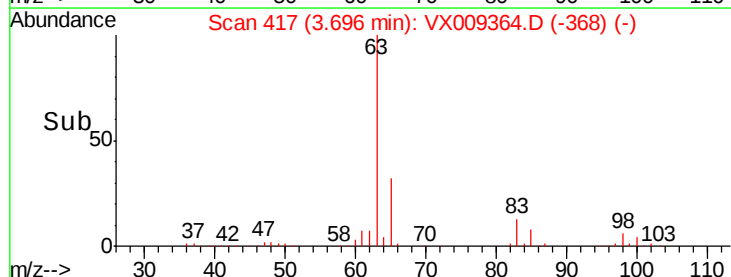
60000

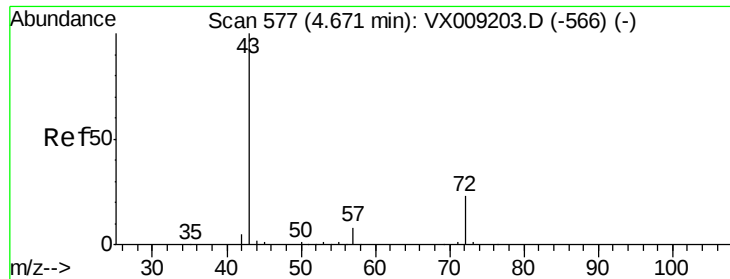
40000

20000

0

Time-->





#25

2-Butanone

Concen: 255.278 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

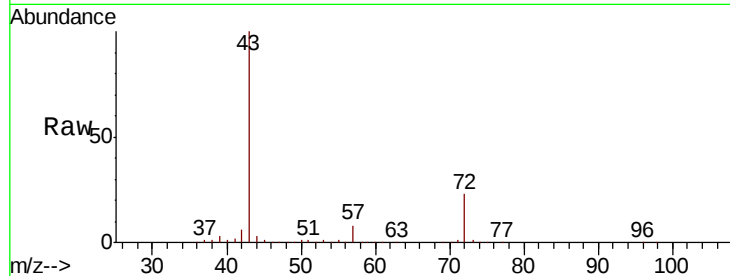
MW-4-20190502MSD

Tot Ion: 43 Resp: 478074

Ion Ratio Lower Upper

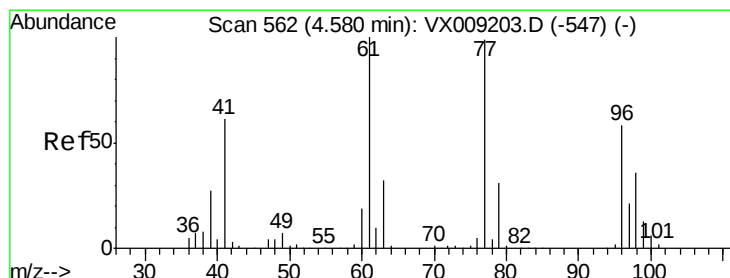
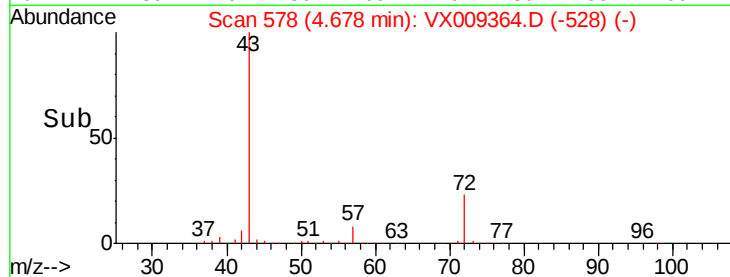
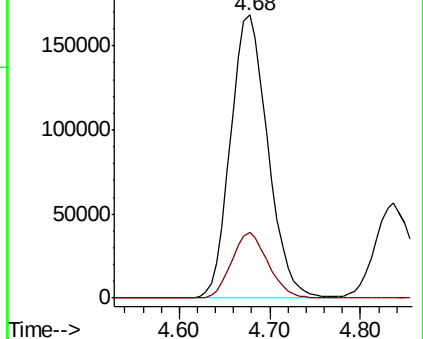
43 100

72 23.0 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 36.324 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009364.D

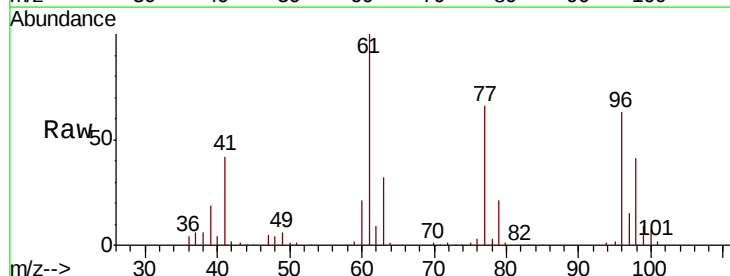
Acq: 06 May 2019 20:33

Tgt Ion: 77 Resp: 96429

Ion Ratio Lower Upper

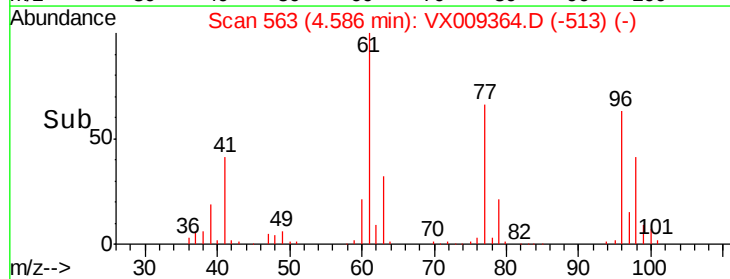
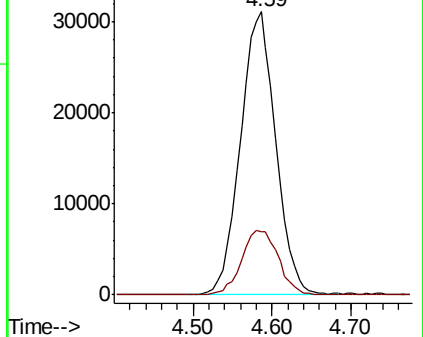
77 100

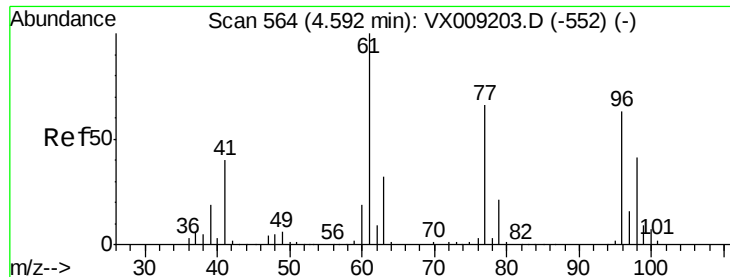
97 23.9 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



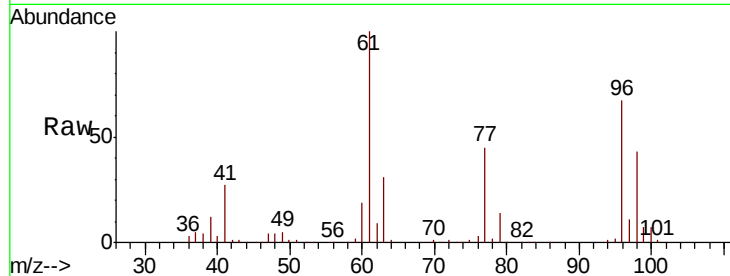


#27

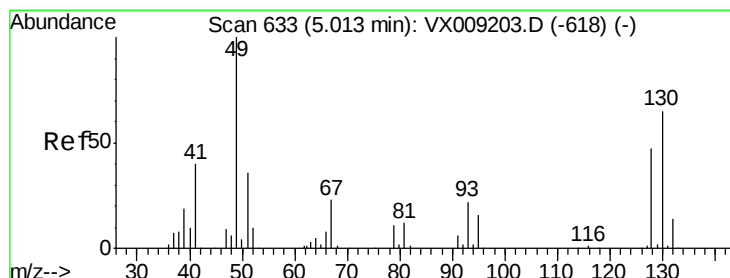
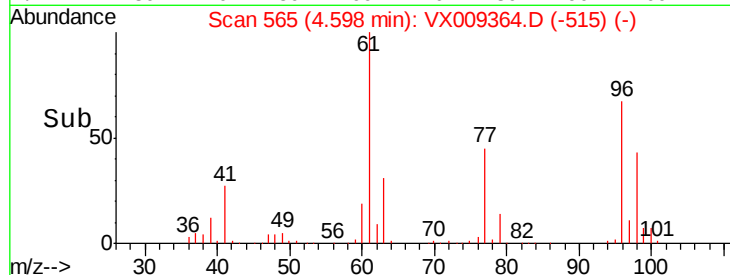
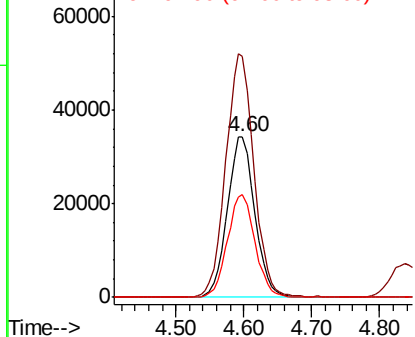
cis-1,2-Dichloroethene
Concen: 47.887 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MSD

Tot Ion: 96 Resp: 95626
Ion Ratio Lower Upper
96 100
61 155.5 0.0 324.0
98 64.4 0.0 130.4



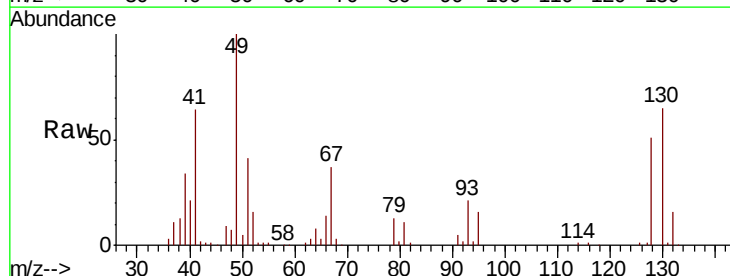
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



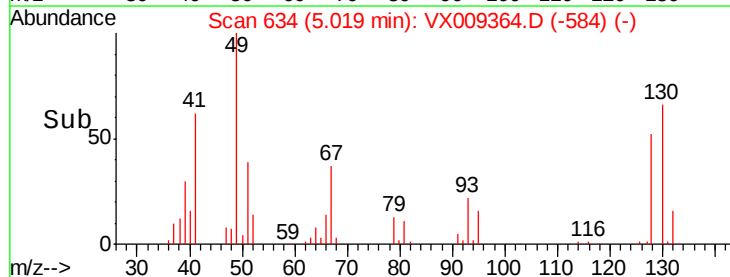
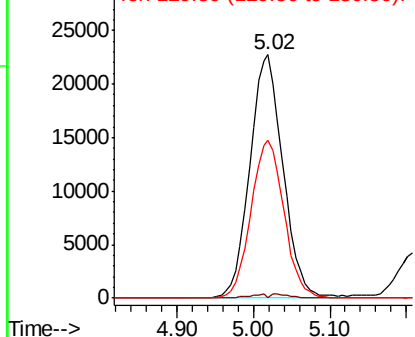
#28

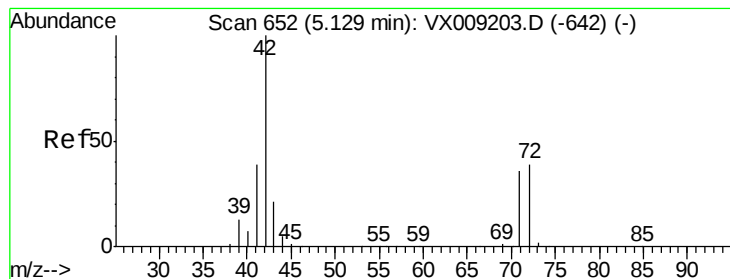
Bromochloromethane
Concen: 47.632 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Tgt Ion: 49 Resp: 68572
Ion Ratio Lower Upper
49 100
129 0.9 0.0 3.8
130 64.7 51.2 76.8



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 260.647 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MSD

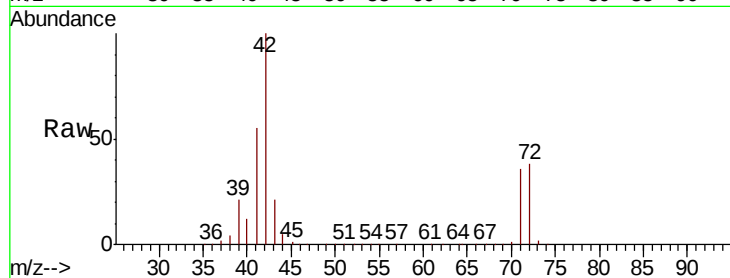
Tot Ion: 42 Resp: 314109

Ion Ratio Lower Upper

42 100

72 38.6 30.4 45.6

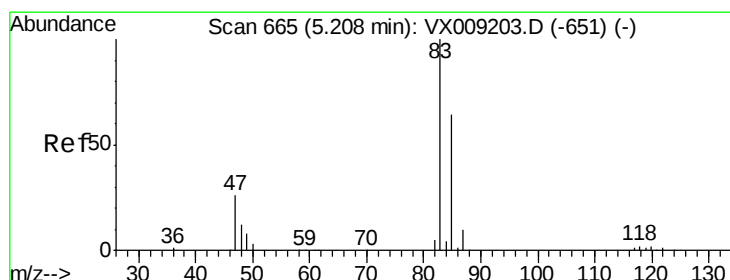
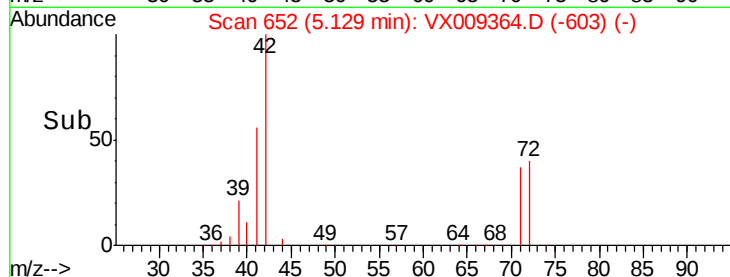
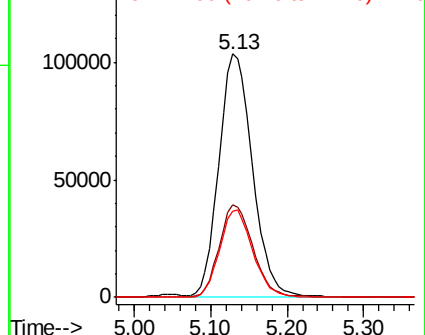
71 35.5 28.6 43.0



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 48.614 ug/l

RT: 5.21 min Scan# 665

Delta R.T. 0.00 min

Lab File: VX009364.D

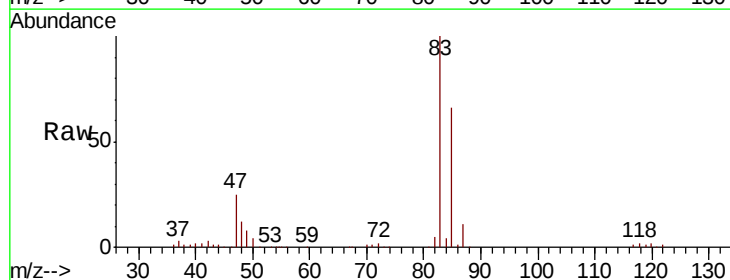
Acq: 06 May 2019 20:33

Tgt Ion: 83 Resp: 156815

Ion Ratio Lower Upper

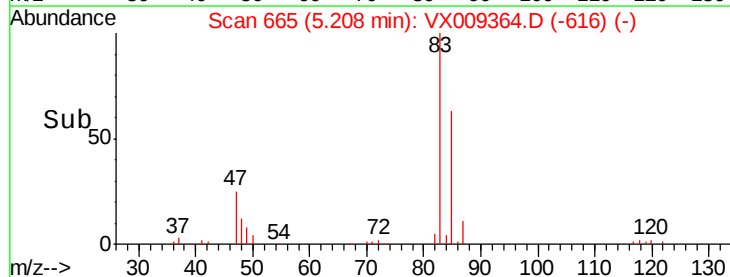
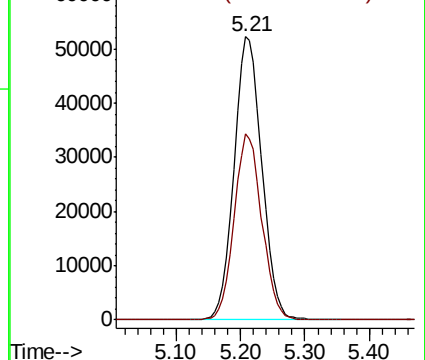
83 100

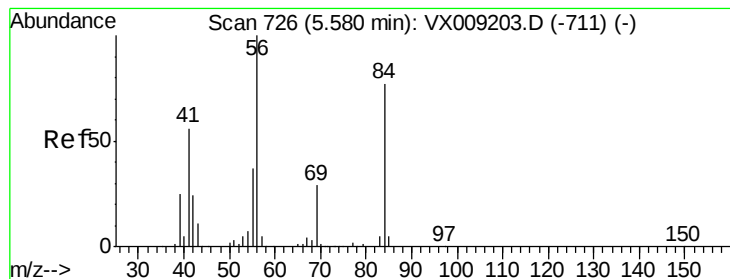
85 65.6 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 45.962 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MSD

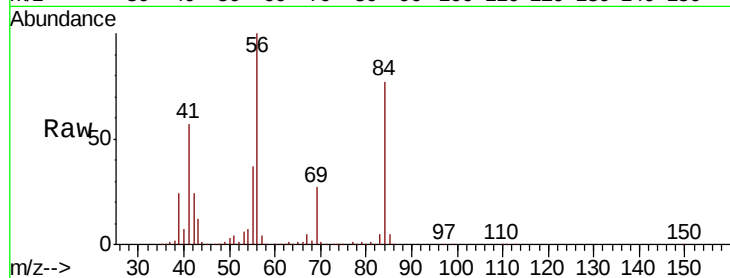
Tot Ion: 56 Resp: 152510

Ion Ratio Lower Upper

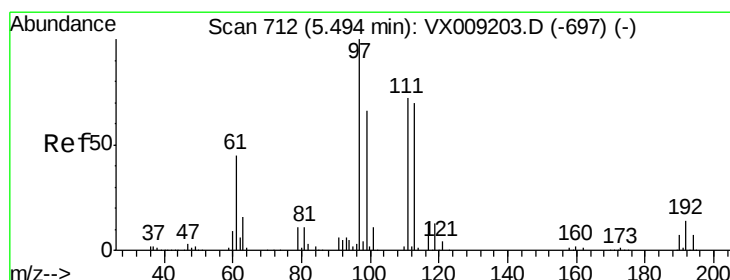
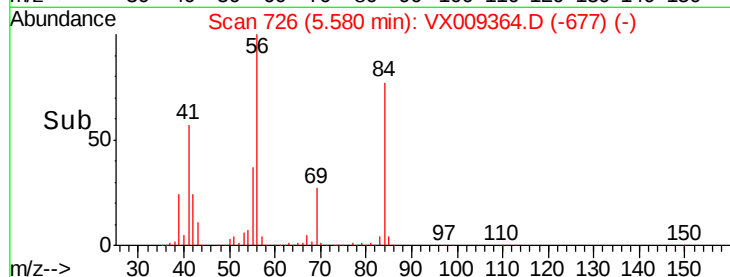
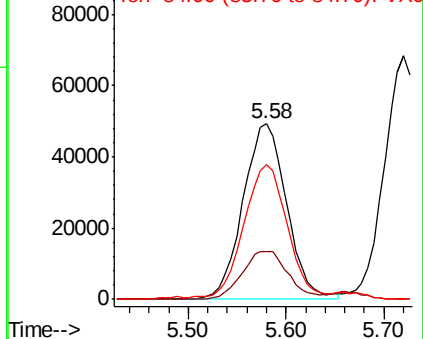
56 100

69 27.2 23.4 35.0

84 75.8 61.9 92.9



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 47.712 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

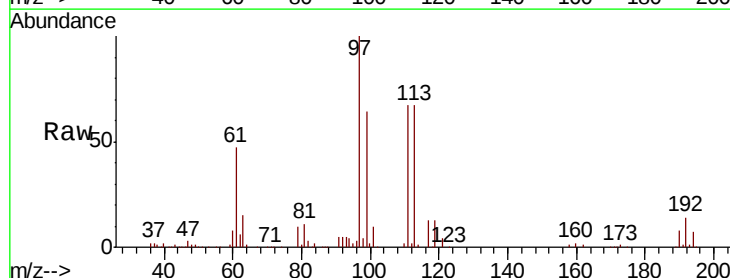
Tgt Ion: 97 Resp: 128119

Ion Ratio Lower Upper

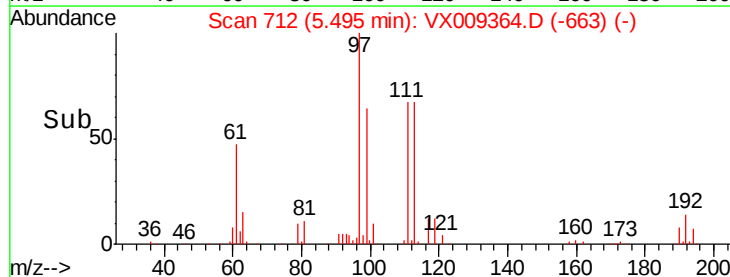
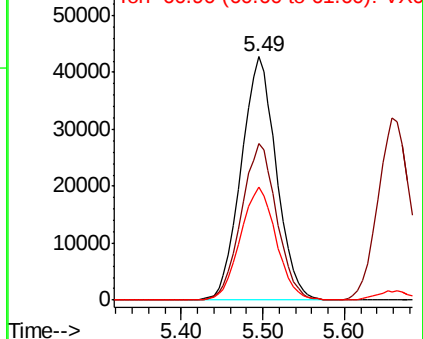
97 100

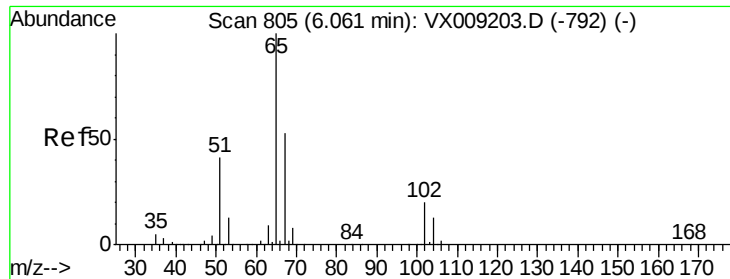
99 64.7 51.8 77.8

61 47.4 37.8 56.8



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 49.369 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

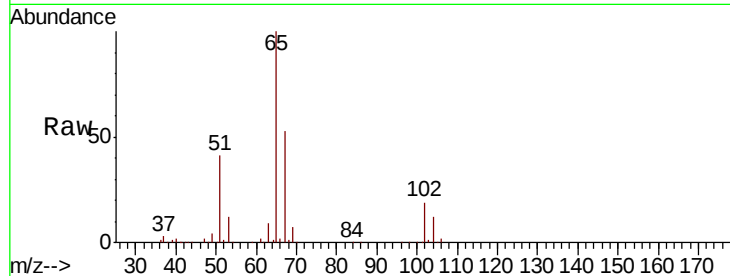
MW-4-20190502MSD

Tot Ion: 65 Resp: 110802

Ion Ratio Lower Upper

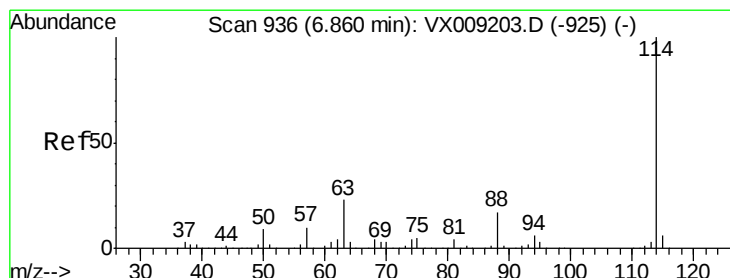
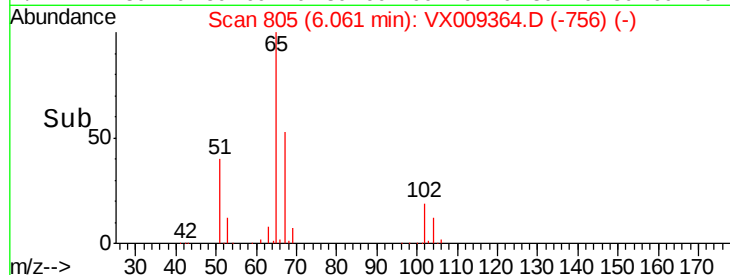
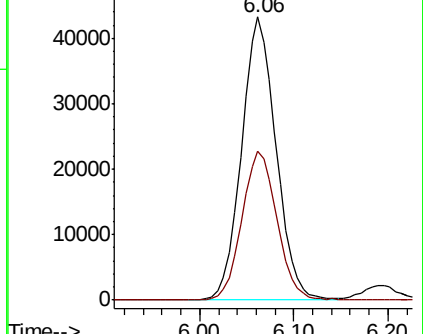
65 100

67 53.4 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

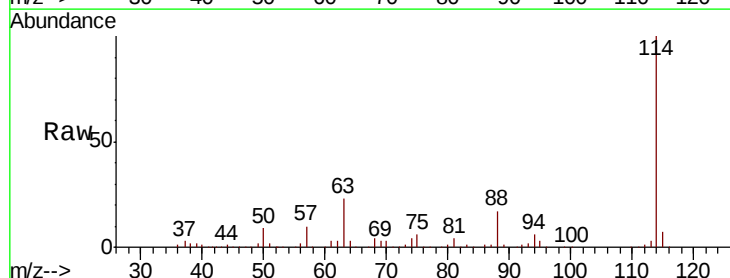
Tgt Ion: 114 Resp: 264502

Ion Ratio Lower Upper

114 100

63 22.8 0.0 45.6

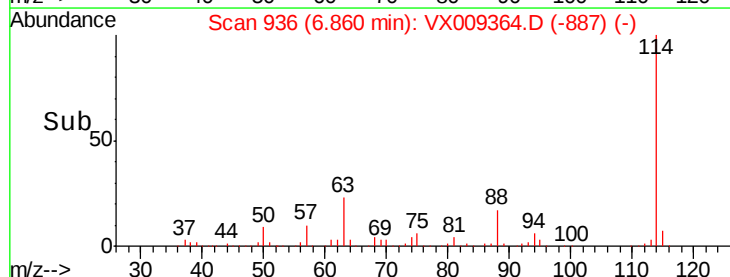
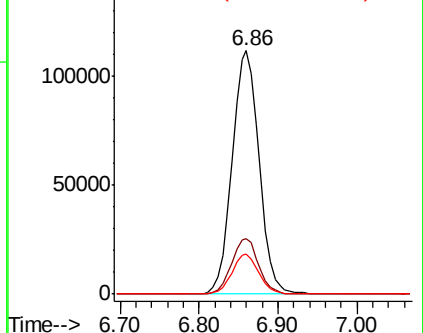
88 16.6 0.0 33.2

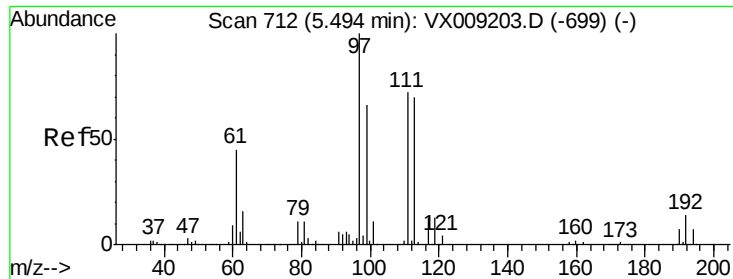


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

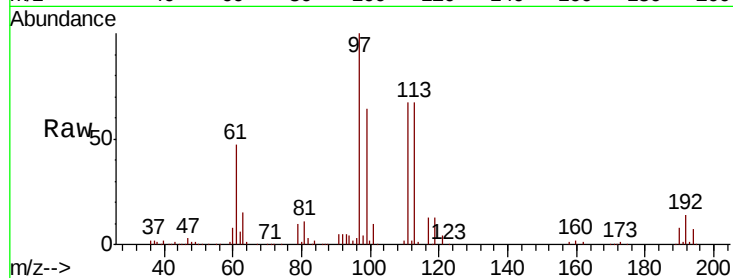




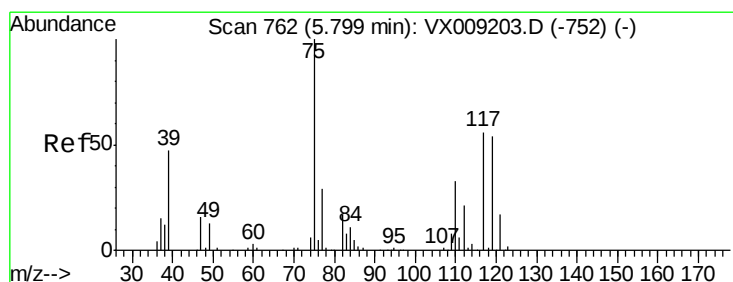
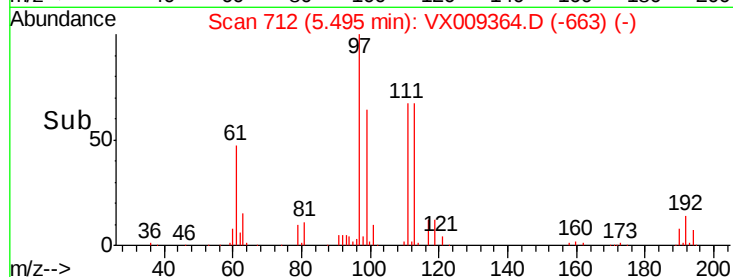
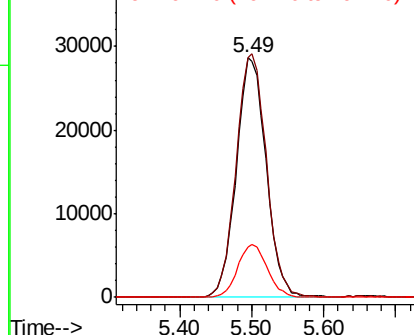
#35
 Dibromofluoromethane
 Concen: 49.640 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX009364.D
 Acq: 06 May 2019 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502MSD

Tot Ion:113 Resp: 82540
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.8 124.2
 192 22.0 17.0 25.6

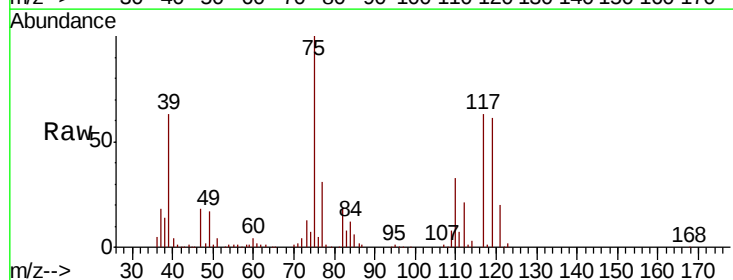


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

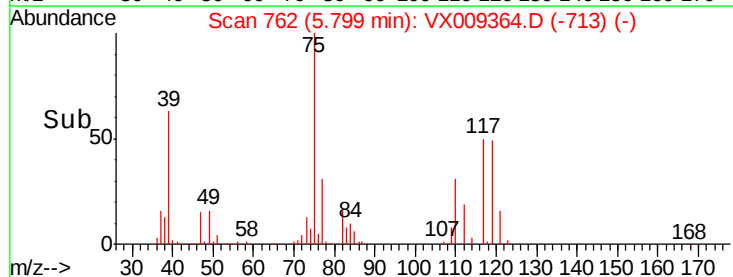
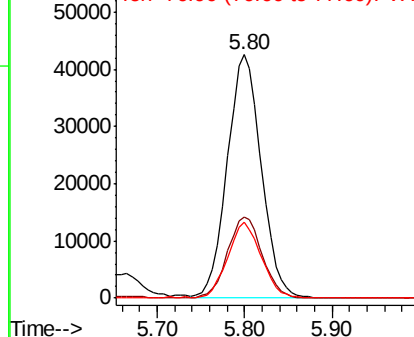


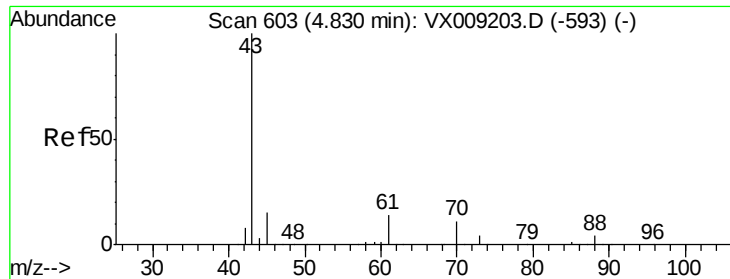
#36
 1,1-Dichloropropene
 Concen: 46.552 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX009364.D
 Acq: 06 May 2019 20:33

Tgt Ion: 75 Resp: 114427
 Ion Ratio Lower Upper
 75 100
 110 34.2 16.9 50.6
 77 31.0 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 47.849 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MSD

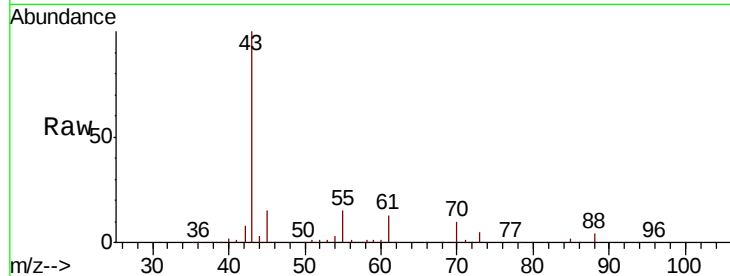
Tot Ion: 43 Resp: 163873

Ion Ratio Lower Upper

43 100

61 13.4 10.5 15.7

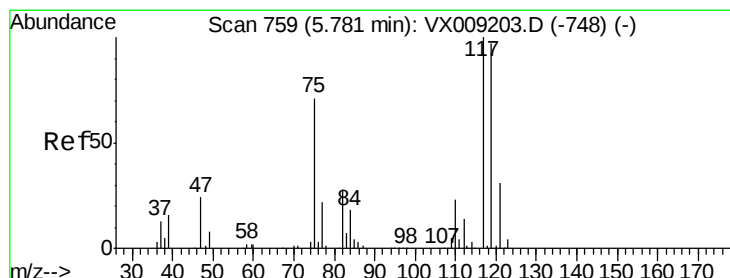
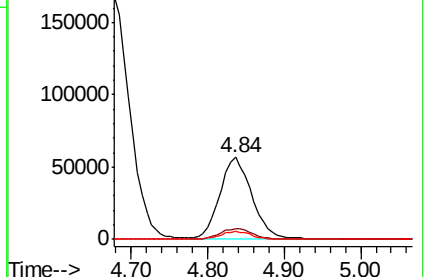
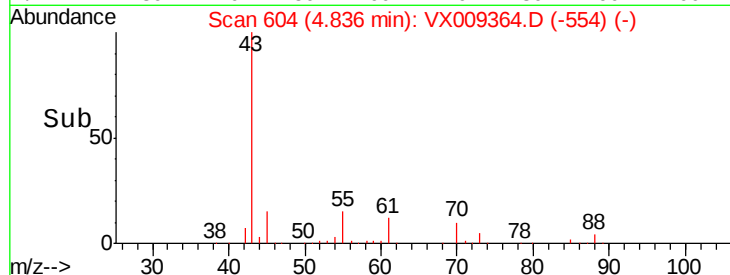
70 9.6 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VX009364.D (-554) (-)

Ion 60.90 (60.60 to 61.60): VX009364.D (-554) (-)

Ion 70.00 (69.70 to 70.70): VX009364.D (-554) (-)



#38

Carbon Tetrachloride

Concen: 47.898 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

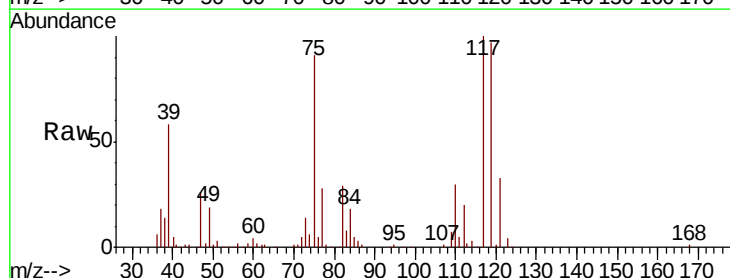
Tgt Ion: 117 Resp: 106971

Ion Ratio Lower Upper

117 100

119 96.8 77.5 116.3

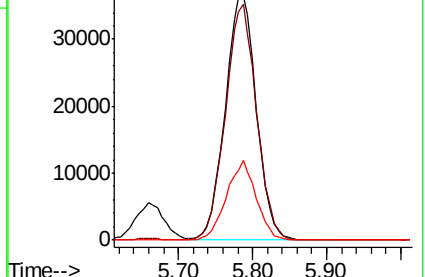
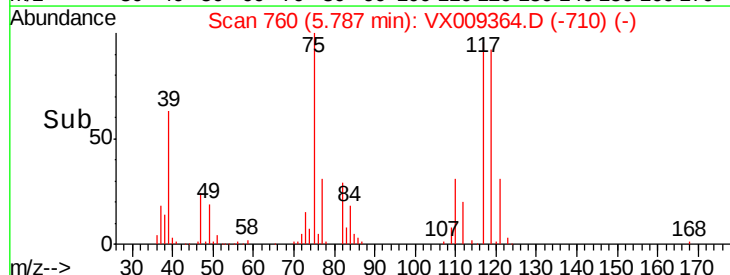
121 32.7 24.7 37.1

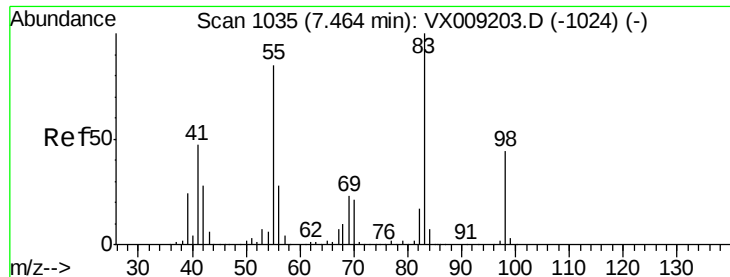


Abundance Ion 116.80 (116.50 to 117.50): VX009364.D (-710) (-)

Ion 118.80 (118.50 to 119.50): VX009364.D (-710) (-)

Ion 120.80 (120.50 to 121.50): VX009364.D (-710) (-)

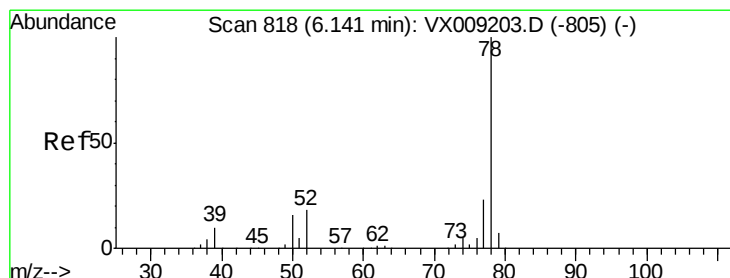
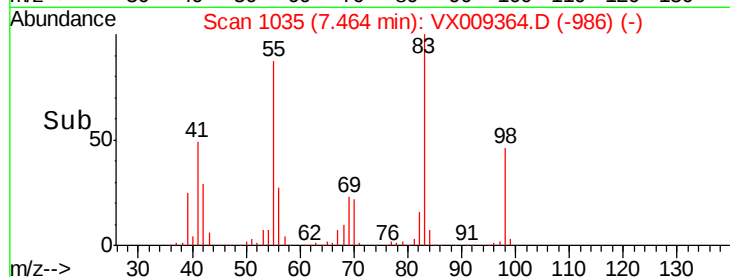
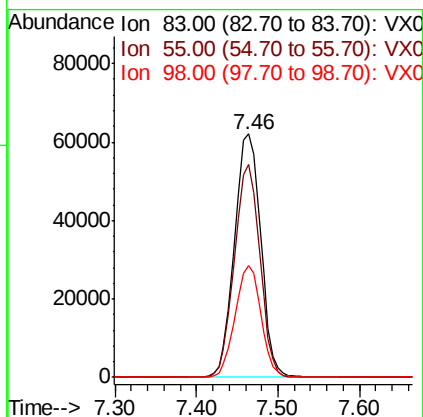
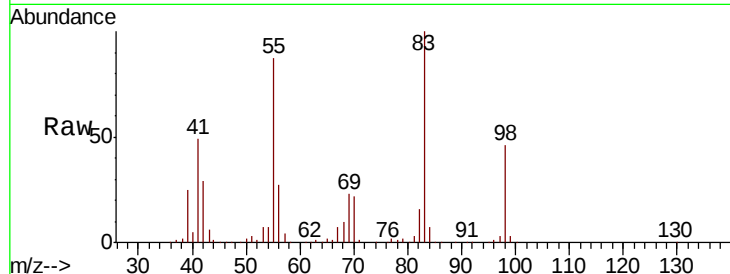




#39
Methvlcvclohexane
Concen: 45.800 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

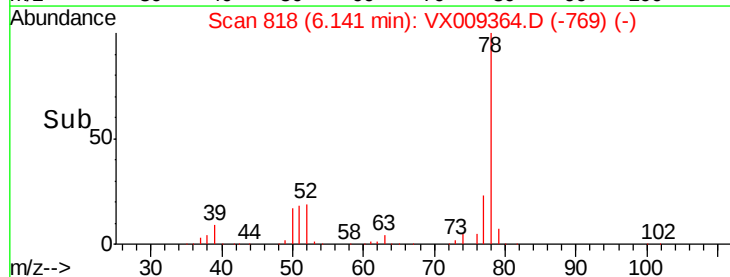
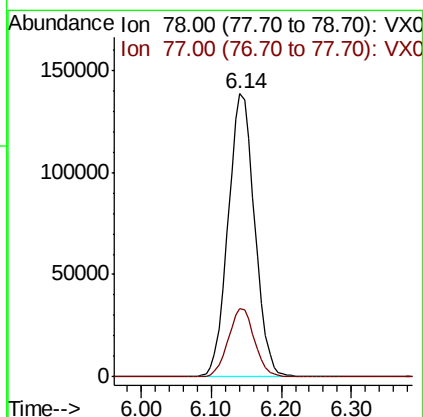
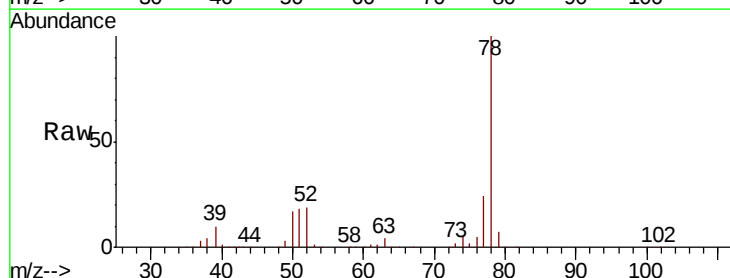
Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MSD

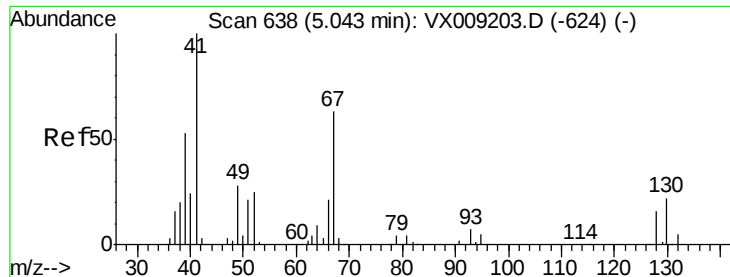
Tot Ion: 83 Resp: 138258
Ion Ratio Lower Upper
83 100
55 87.3 67.7 101.5
98 45.9 35.5 53.3



#40
Benzene
Concen: 48.025 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Tgt Ion: 78 Resp: 365342
Ion Ratio Lower Upper
78 100
77 24.1 18.8 28.2





#41

Methacrylonitrile

Concen: 48.686 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MSD

Tot Ion: 41 Resp: 99255

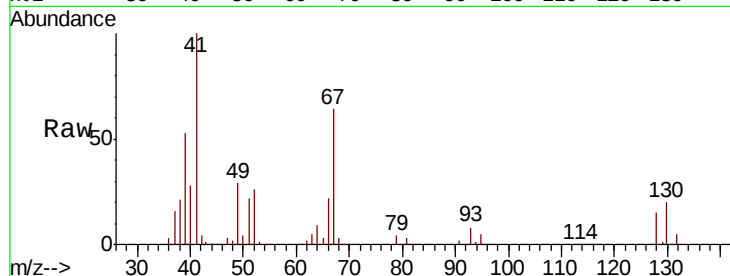
Ion Ratio Lower Upper

41 100

39 55.3 42.0 63.0

67 63.3 49.8 74.8

52 26.3 20.3 30.5

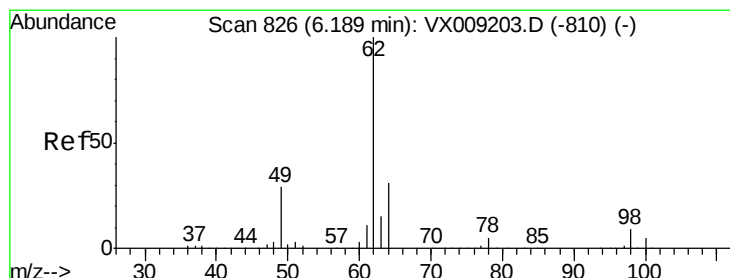
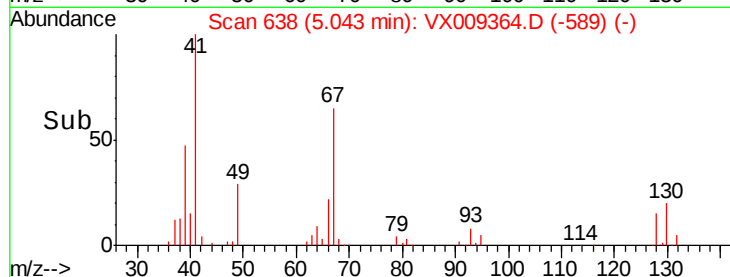
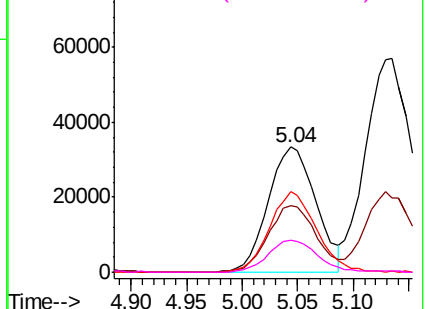


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 48.399 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.01 min

Lab File: VX009364.D

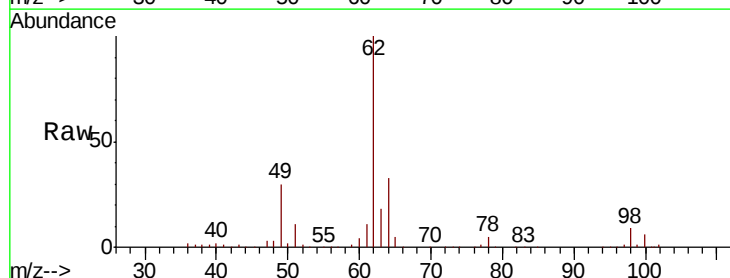
Acq: 06 May 2019 20:33

Tgt Ion: 62 Resp: 132073

Ion Ratio Lower Upper

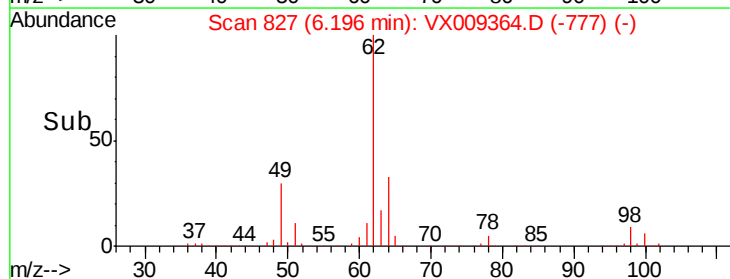
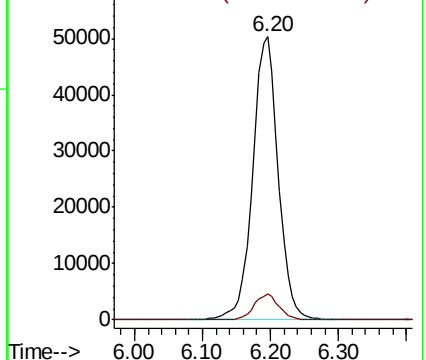
62 100

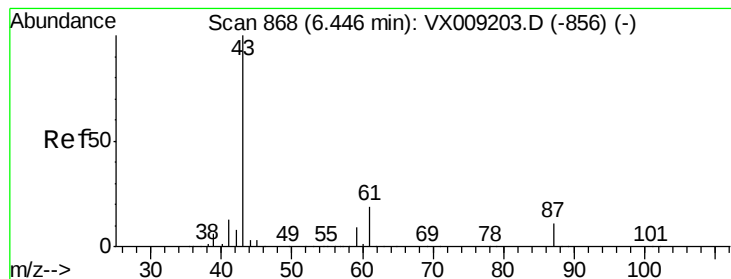
98 8.9 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 48.696 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MSD

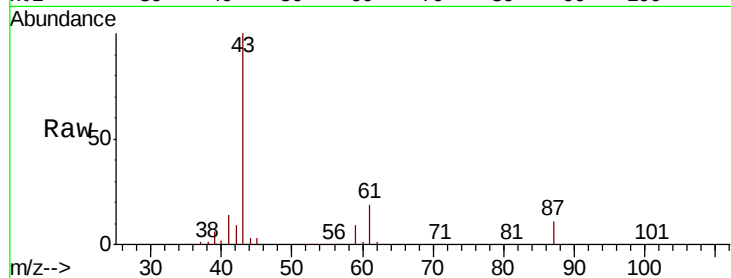
Tot Ion: 43 Resp: 266764

Ion Ratio Lower Upper

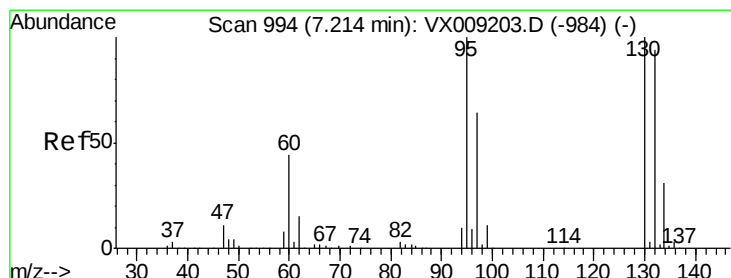
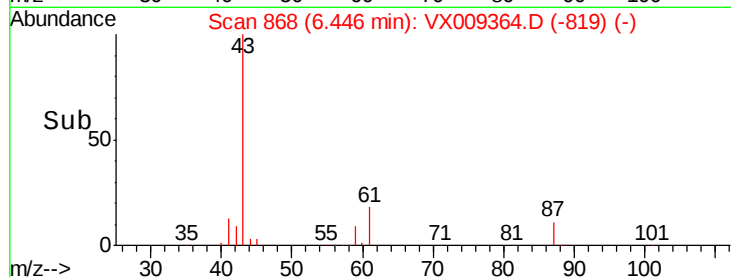
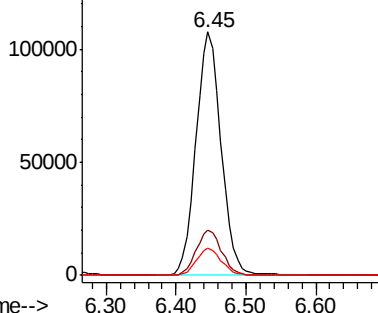
43 100

61 19.0 15.1 22.7

87 11.2 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 46.464 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX009364.D

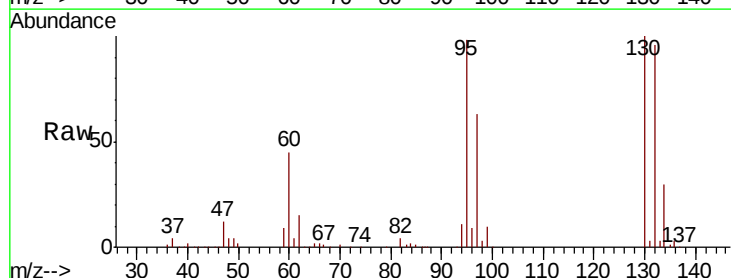
Acq: 06 May 2019 20:33

Tgt Ion:130 Resp: 85450

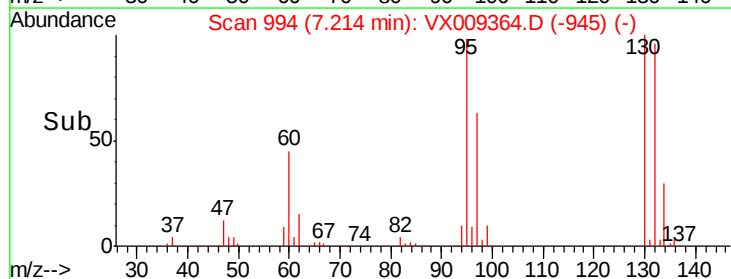
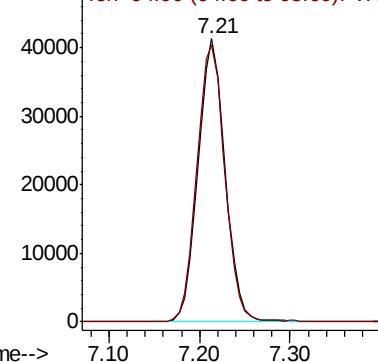
Ion Ratio Lower Upper

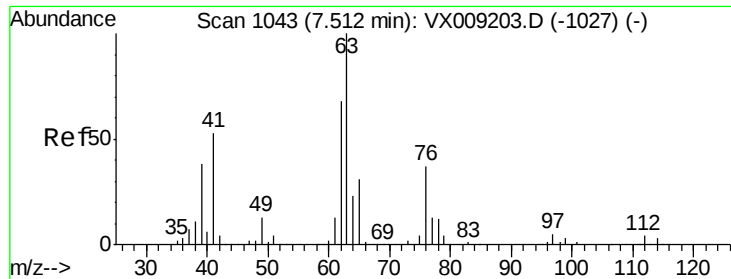
130 100

95 98.0 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0

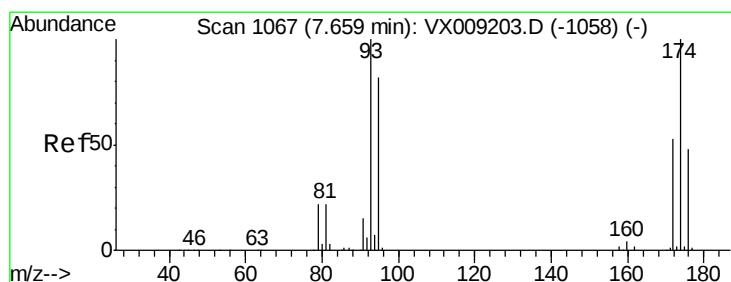
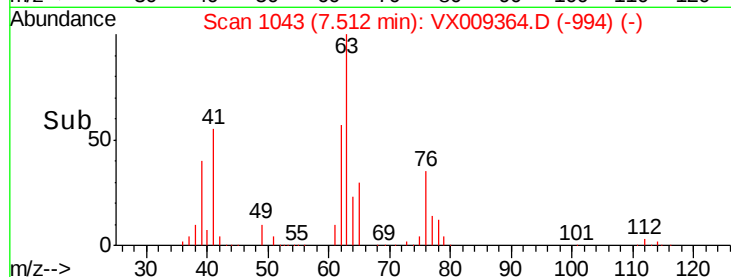
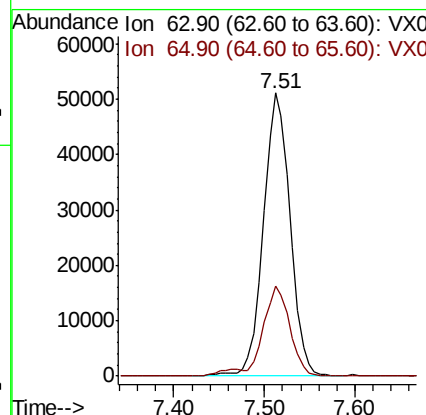
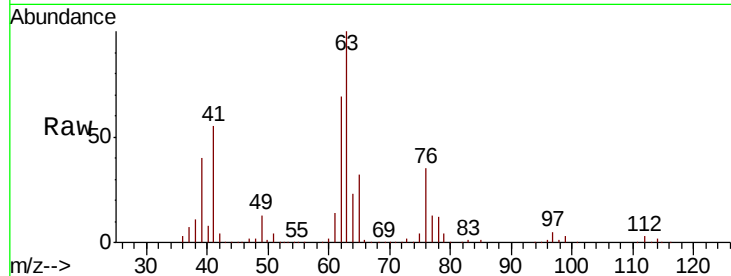




#45
 1,2-Dichloropropane
 Concen: 48.281 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX009364.D
 Acq: 06 May 2019 20:33

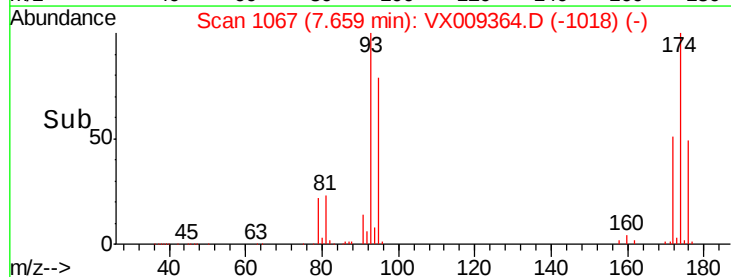
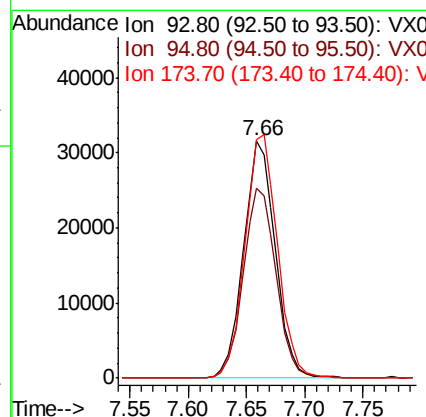
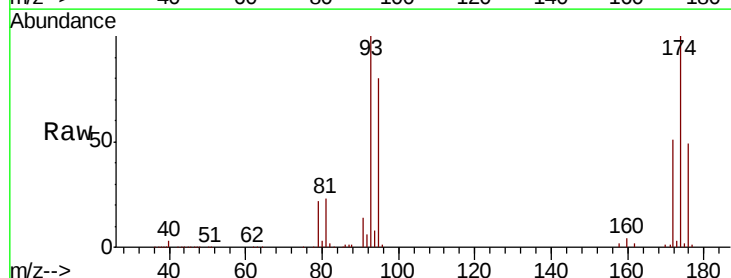
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502MSD

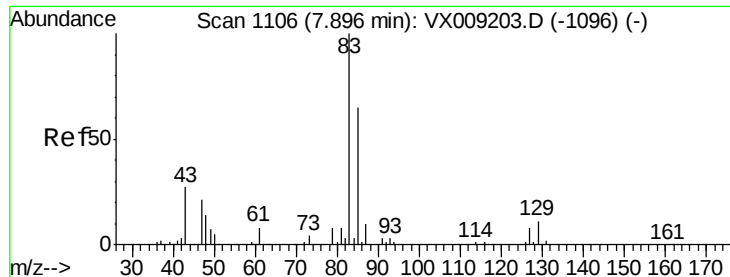
Tot Ion: 63 Resp: 104000
 Ion Ratio Lower Upper
 63 100
 65 31.9 25.0 37.6



#46
 Dibromomethane
 Concen: 47.843 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX009364.D
 Acq: 06 May 2019 20:33

Tgt Ion: 93 Resp: 59846
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.5 99.7
 174 105.8 82.1 123.1





#47

Bromodichloromethane

Concen: 49.621 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MSD

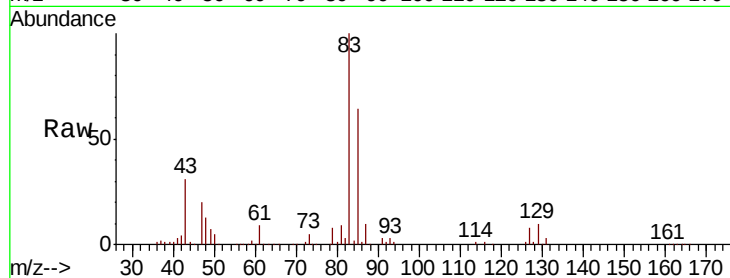
Tot Ion: 83 Resp: 123813

Ion Ratio Lower Upper

83 100

85 63.8 52.4 78.6

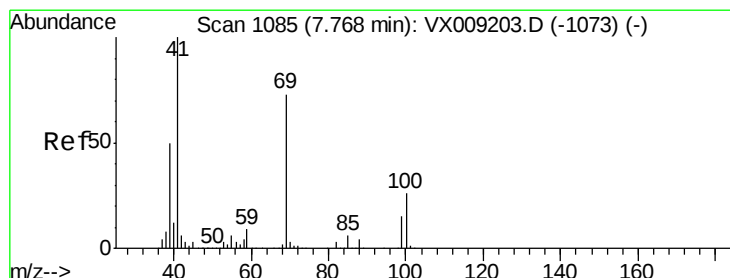
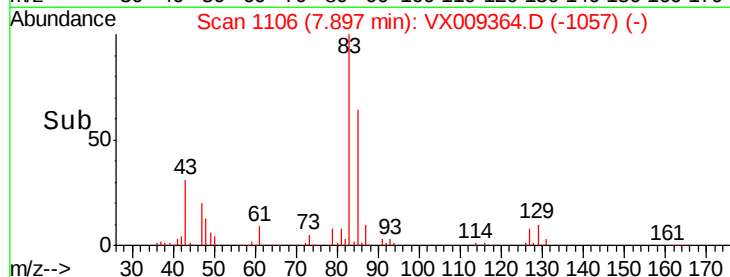
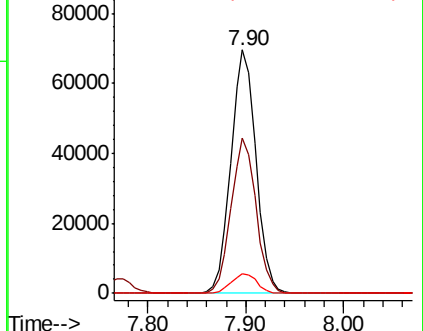
127 7.8 6.6 10.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 51.231 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

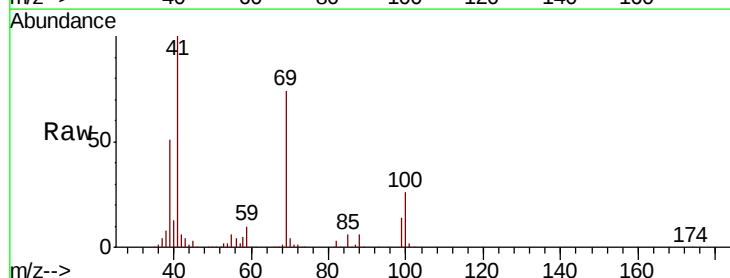
Tgt Ion: 41 Resp: 139237

Ion Ratio Lower Upper

41 100

69 73.6 59.1 88.7

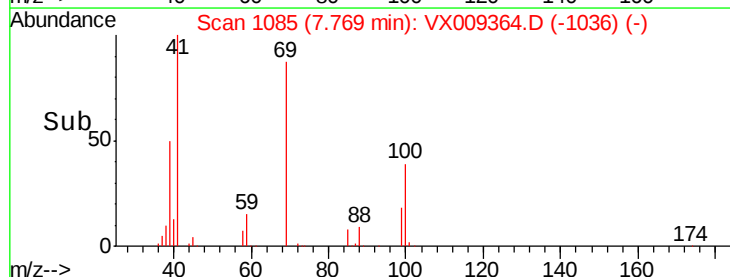
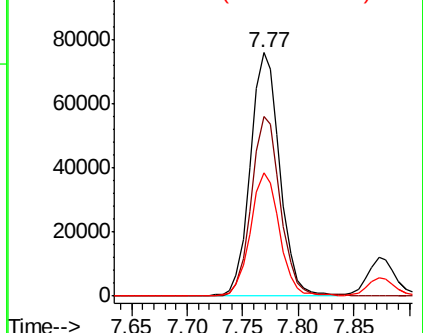
39 50.3 40.4 60.6

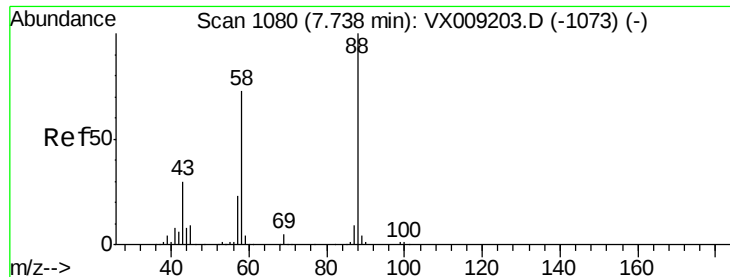


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

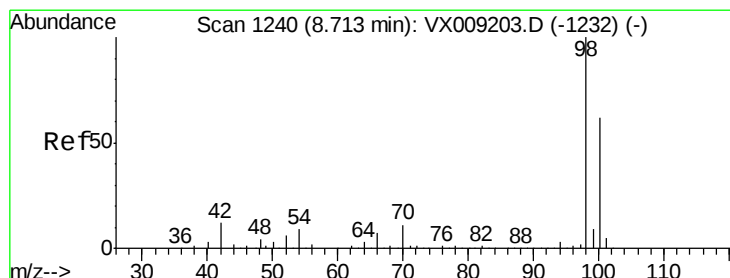
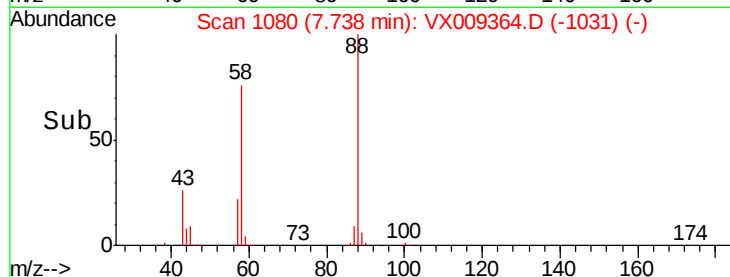
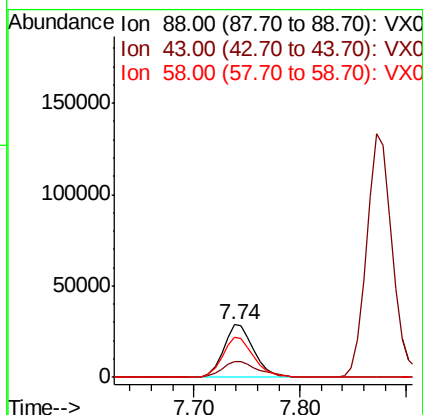
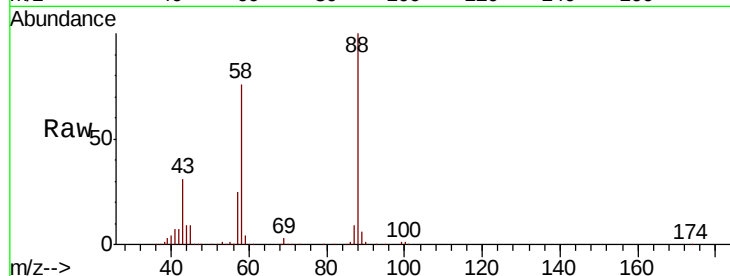




#49
1,4-Dioxane
Concen: 1036.532 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

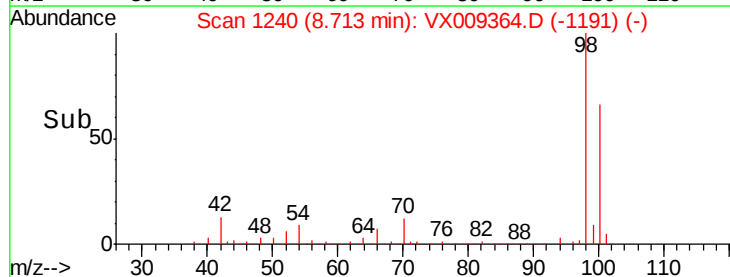
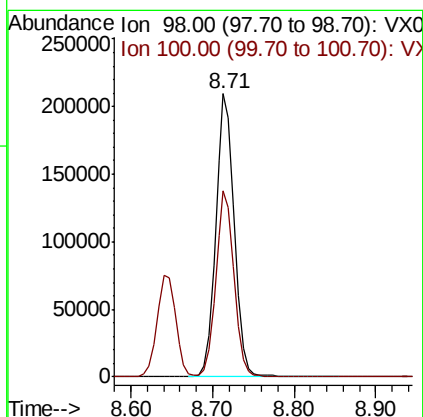
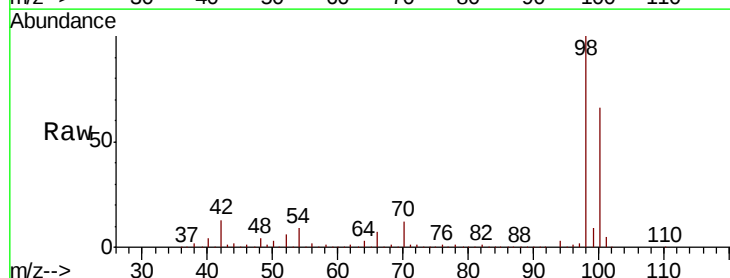
Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MSD

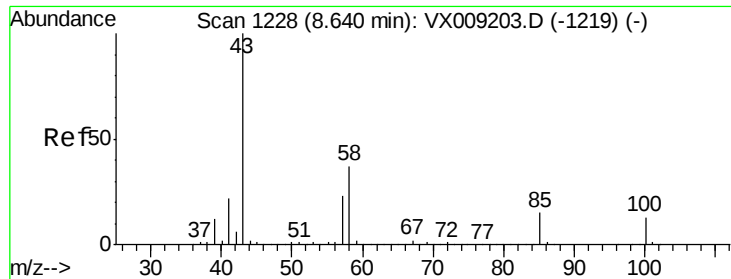
Tot Ion: 88 Resp: 57131
Ion Ratio Lower Upper
88 100
43 35.5 28.6 42.8
58 77.8 61.7 92.5



#50
Toluene-d8
Concen: 49.679 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Tgt Ion: 98 Resp: 333497
Ion Ratio Lower Upper
98 100
100 64.9 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 265.028 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

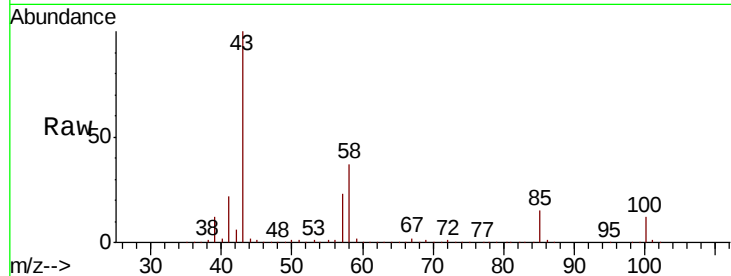
MW-4-20190502MSD

Tot Ion: 43 Resp: 948966

Ion Ratio Lower Upper

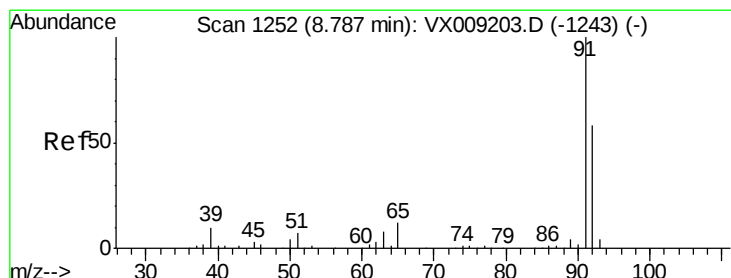
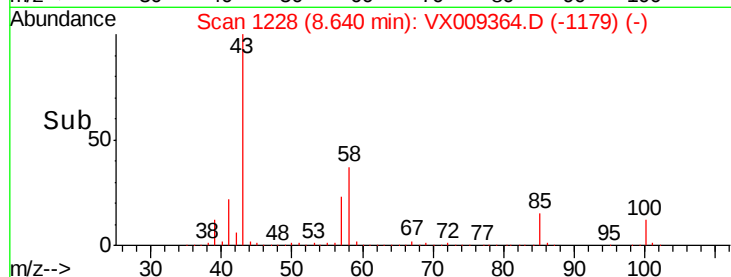
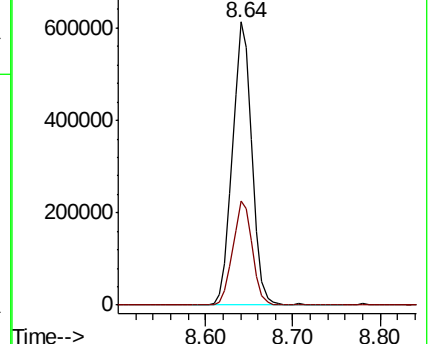
43 100

58 36.8 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 47.668 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX009364.D

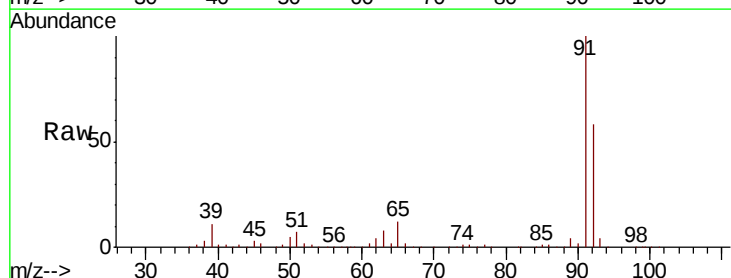
Acq: 06 May 2019 20:33

Tgt Ion: 92 Resp: 220429

Ion Ratio Lower Upper

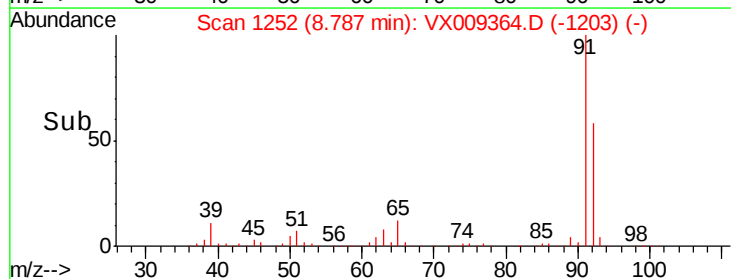
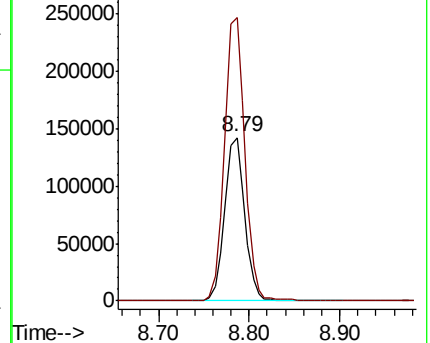
92 100

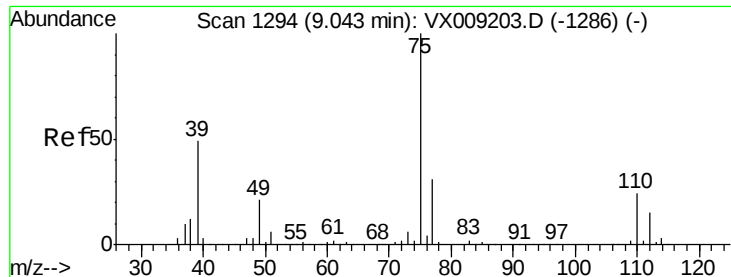
91 175.9 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

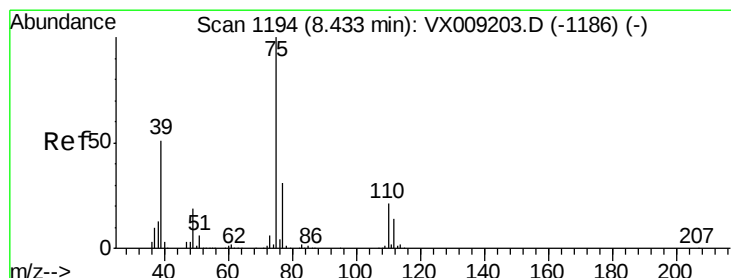
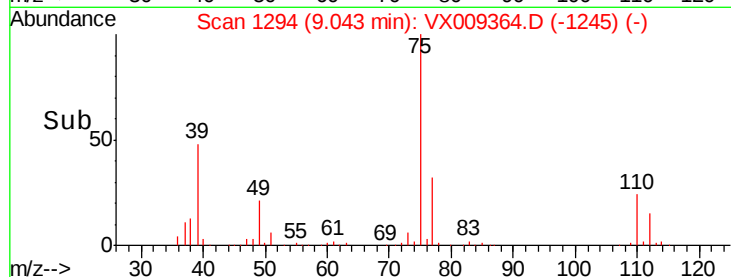
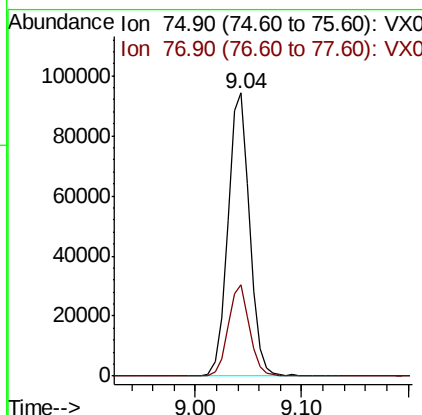
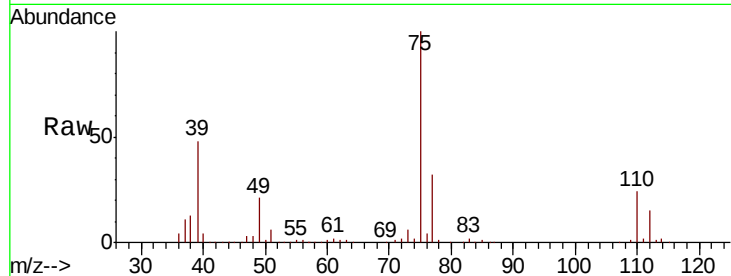




#53
t-1,3-Dichloropropene
Concen: 47.756 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

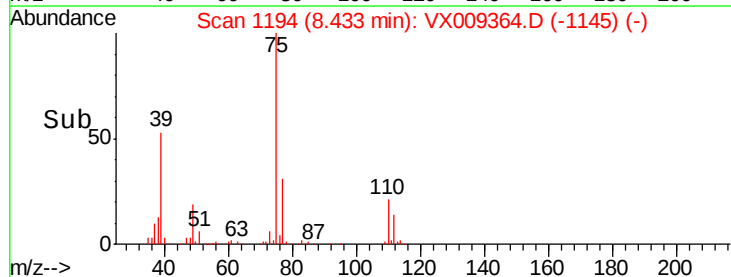
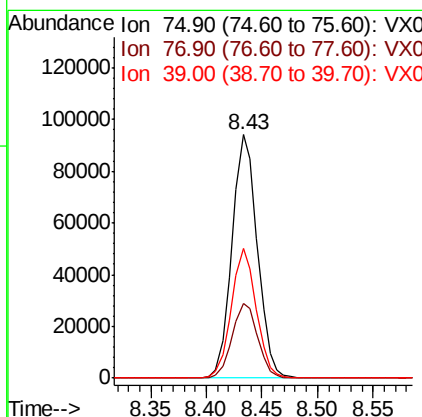
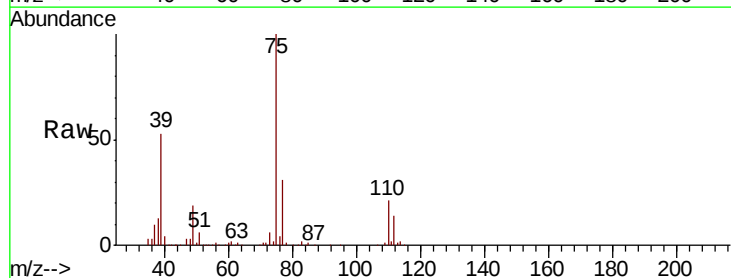
Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MSD

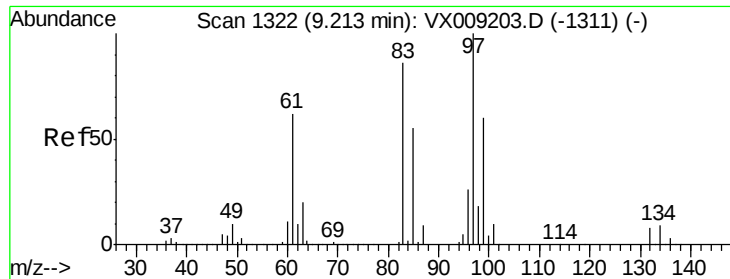
Tot Ion: 75 Resp: 134532
Ion Ratio Lower Upper
75 100
77 32.1 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 47.657 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Tgt Ion: 75 Resp: 148600
Ion Ratio Lower Upper
75 100
77 30.8 24.6 36.8
39 53.1 40.6 60.8

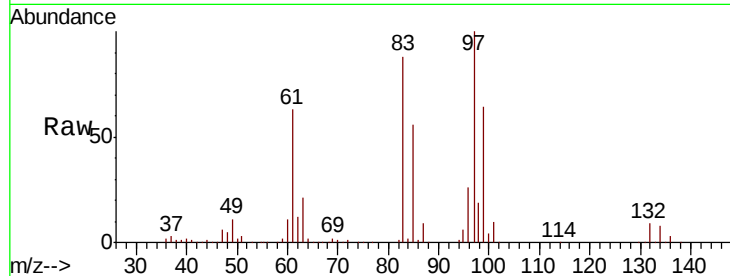




#55
 1,1,2-Trichloroethane
 Concen: 48.842 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009364.D
 Acq: 06 May 2019 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502MSD

Tot Ion:	97	Resp:	92143
Ion	Ratio	Lower	Upper
97	100		
83	88.0	68.9	103.3
85	56.4	43.8	65.6
99	63.6	48.2	72.2



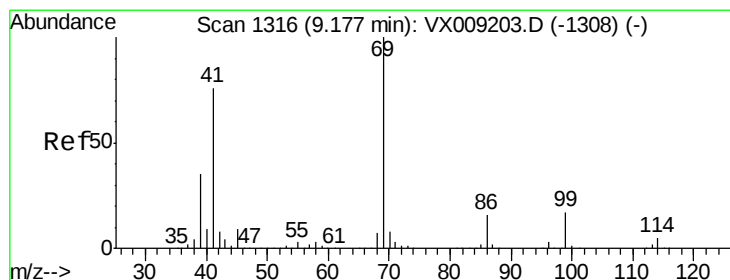
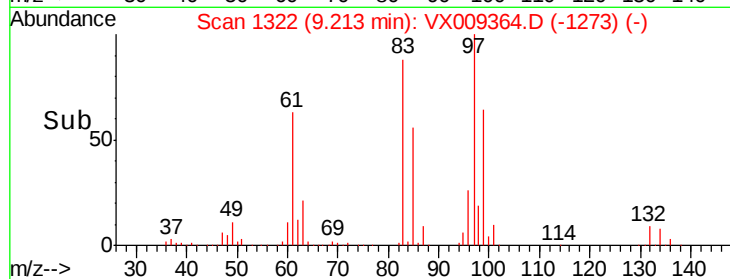
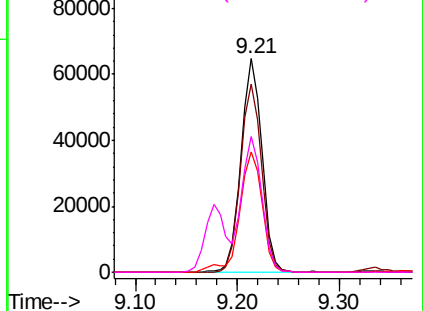
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

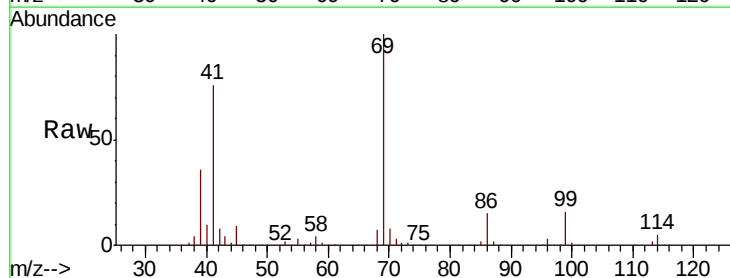
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56
 Ethyl methacrylate
 Concen: 50.727 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009364.D
 Acq: 06 May 2019 20:33

Tgt Ion:	69	Resp:	170829
Ion	Ratio	Lower	Upper
69	100		
41	75.6	60.6	90.8
39	35.5	28.2	42.4

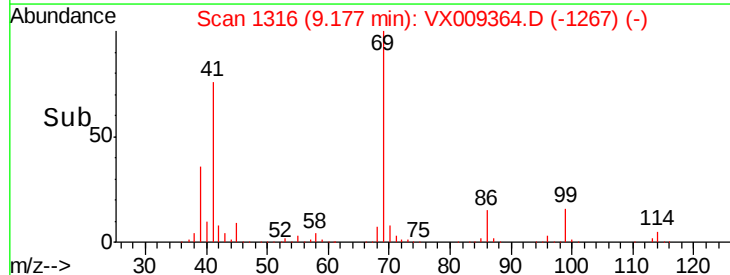
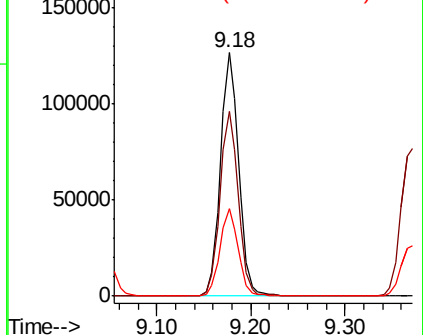


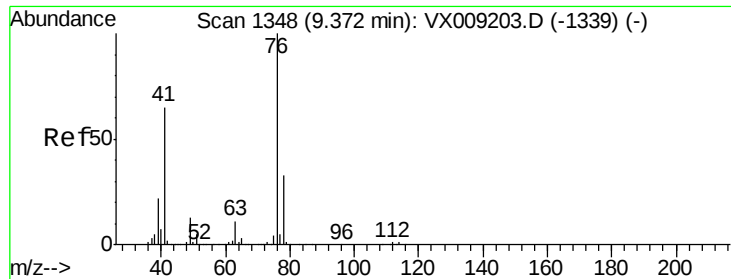
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 48.843 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

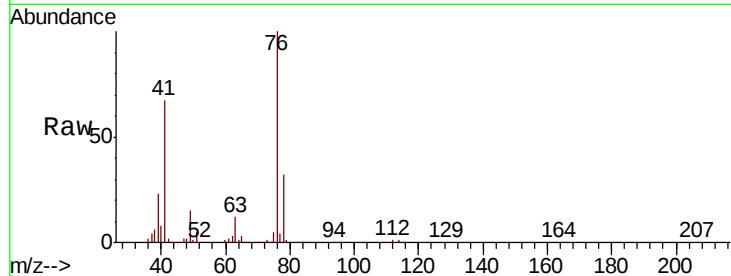
MW-4-20190502MSD

Tot Ion: 76 Resp: 162153

Ion Ratio Lower Upper

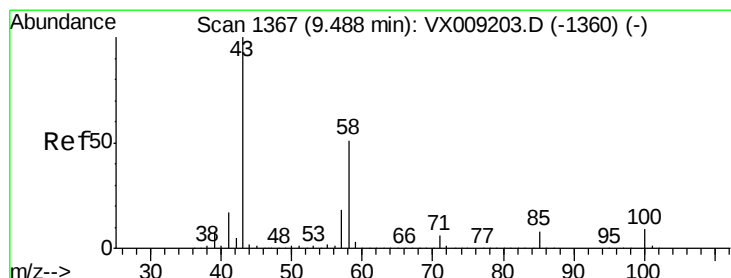
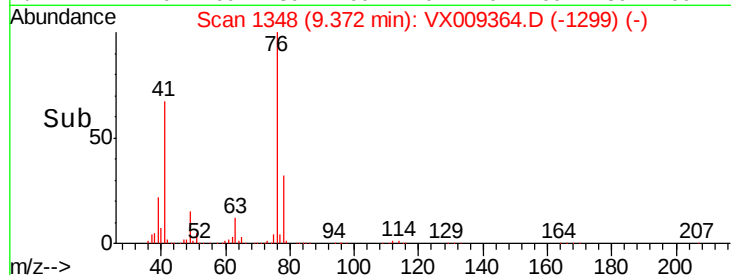
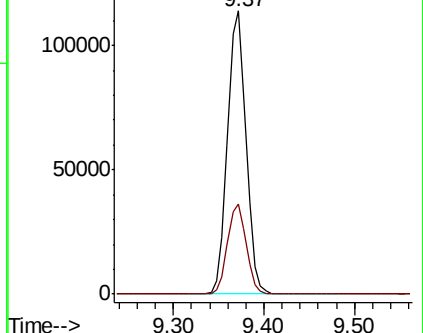
76 100

78 32.2 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#59

2-Hexanone

Concen: 267.061 ug/l

RT: 9.49 min Scan# 1368

Delta R.T. 0.01 min

Lab File: VX009364.D

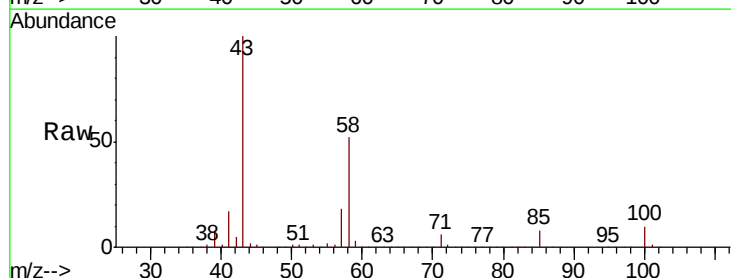
Acq: 06 May 2019 20:33

Tgt Ion: 43 Resp: 751024

Ion Ratio Lower Upper

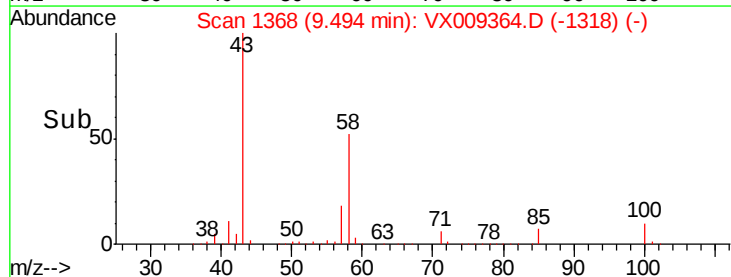
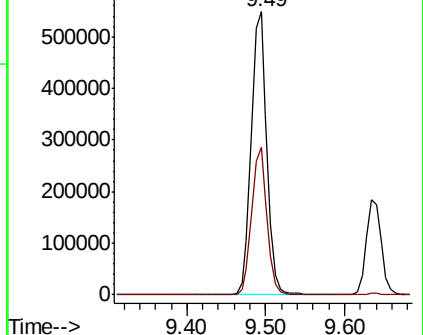
43 100

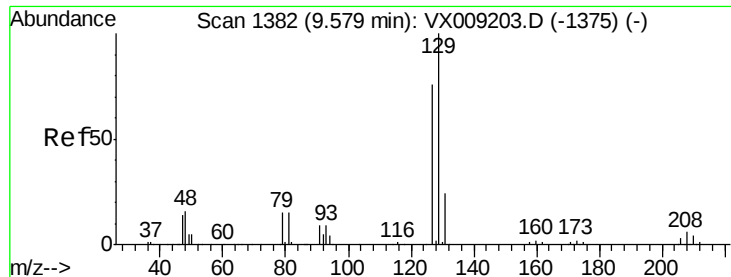
58 51.6 25.9 77.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#60

Dibromochloromethane

Concen: 50.334 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

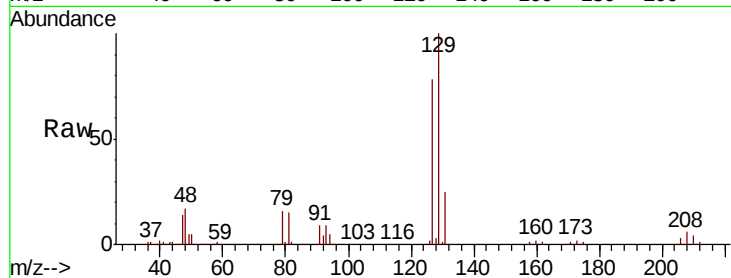
MW-4-20190502MSD

Tot Ion:129 Resp: 92744

Ion Ratio Lower Upper

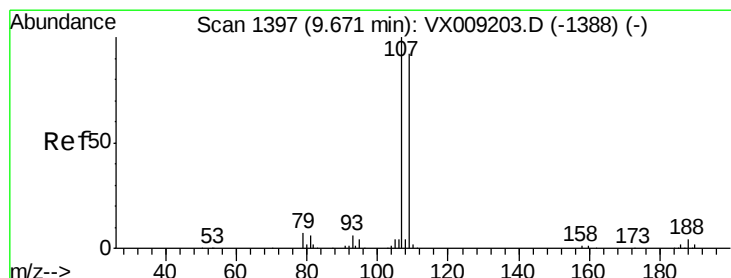
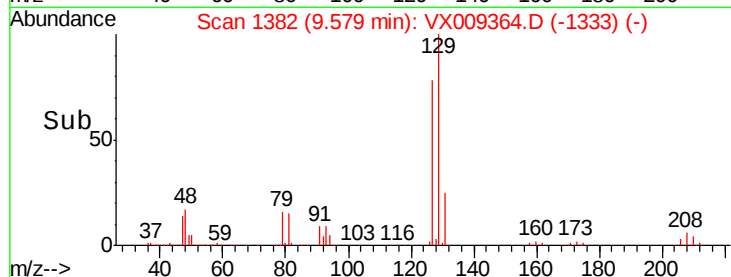
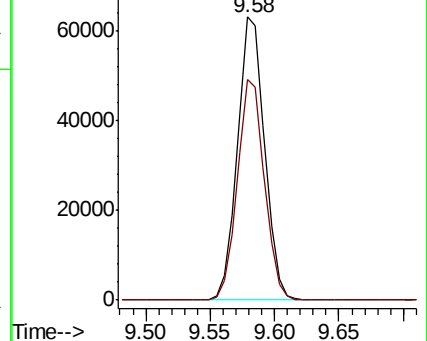
129 100

127 77.7 38.4 115.1



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 49.079 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009364.D

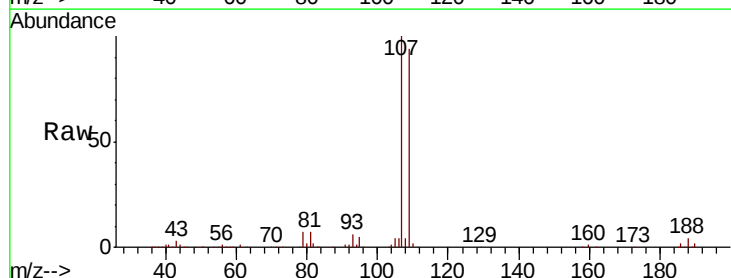
Acq: 06 May 2019 20:33

Tgt Ion:107 Resp: 93464

Ion Ratio Lower Upper

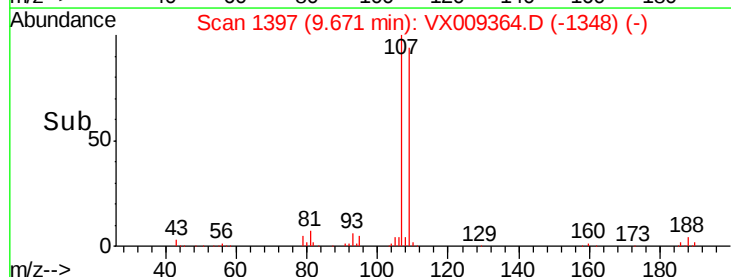
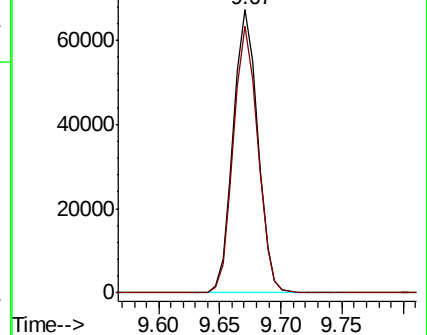
107 100

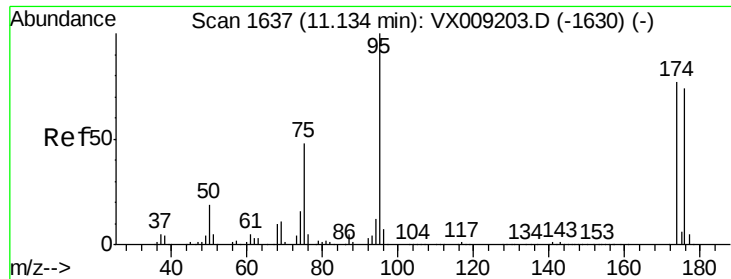
109 93.3 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 50.796 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MSD

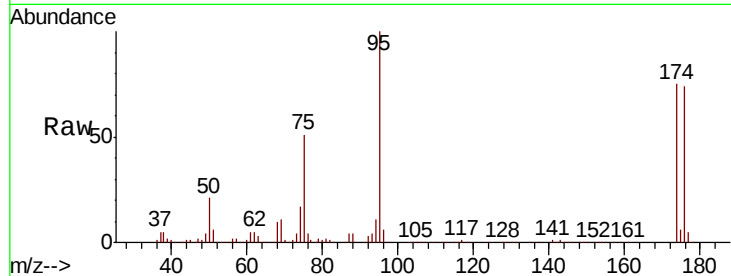
Tot Ion: 95 Resp: 123905

Ion Ratio Lower Upper

95 100

174 81.0 0.0 161.6

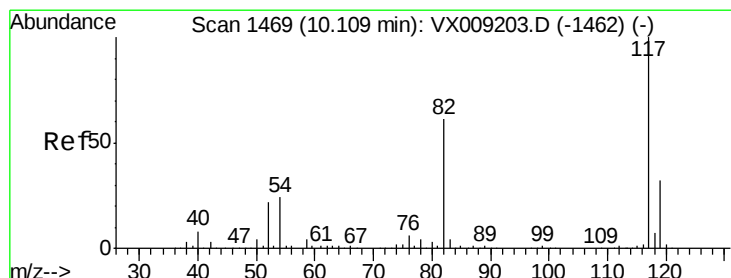
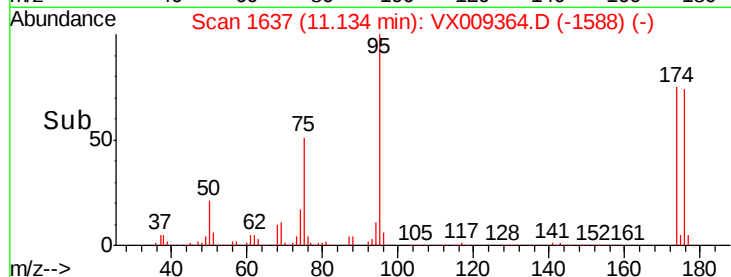
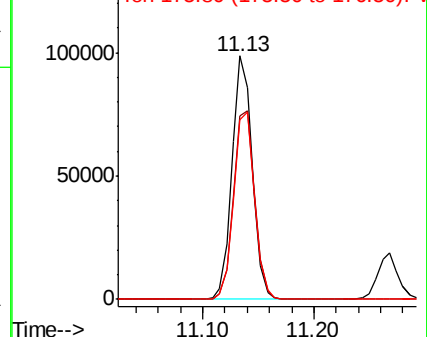
176 79.5 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

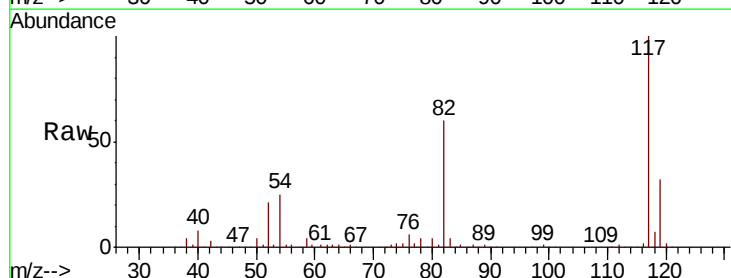
Tgt Ion: 117 Resp: 242120

Ion Ratio Lower Upper

117 100

82 60.2 48.8 73.2

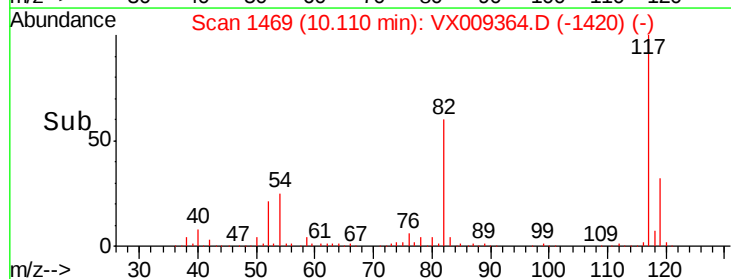
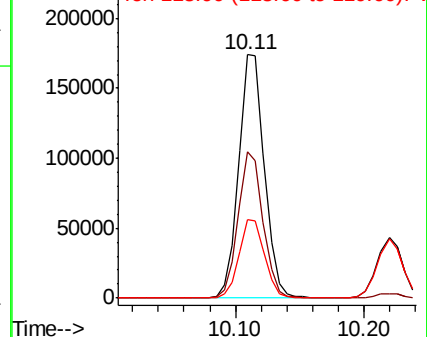
119 32.1 25.8 38.6

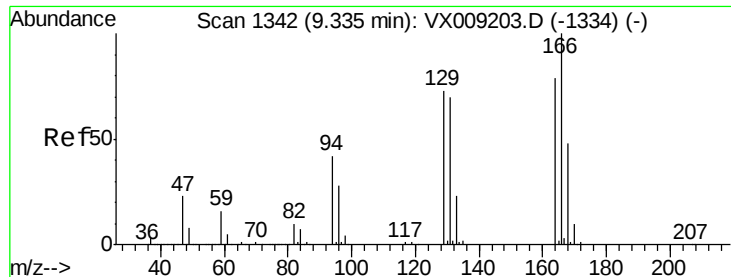


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

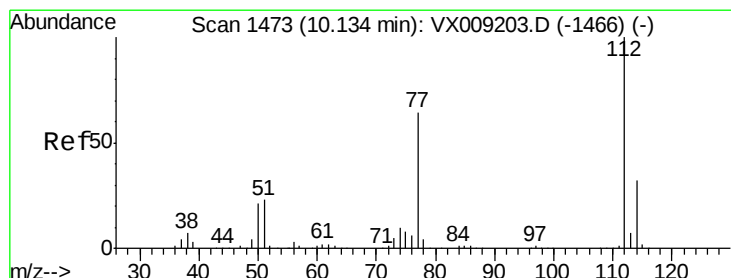
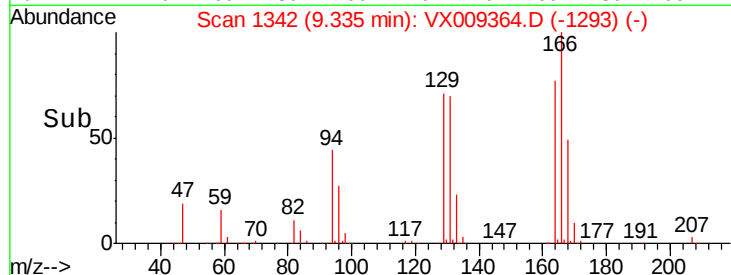
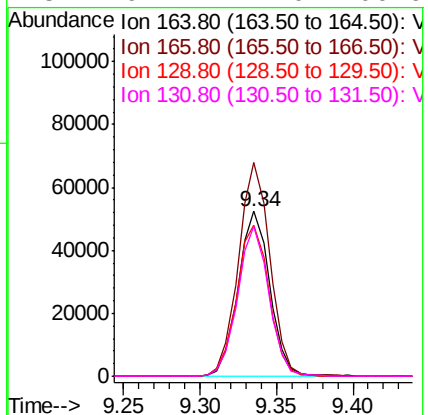
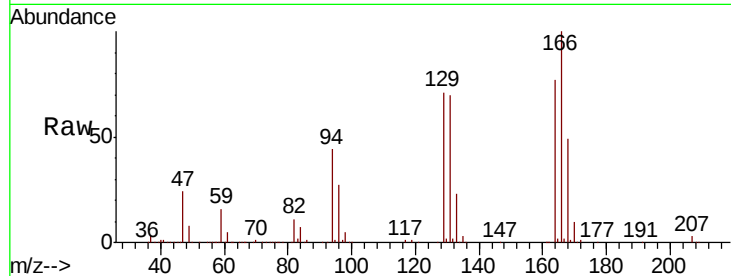




#64
Tetrachloroethene
Concen: 45.237 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

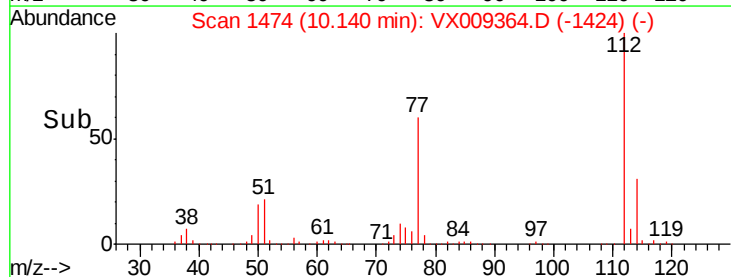
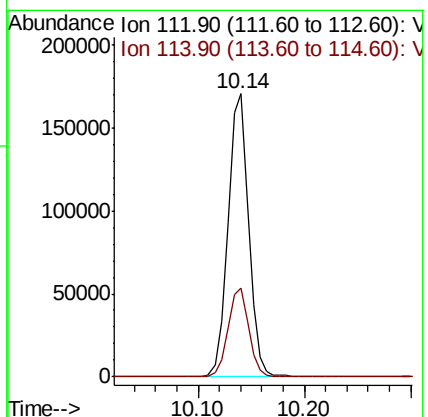
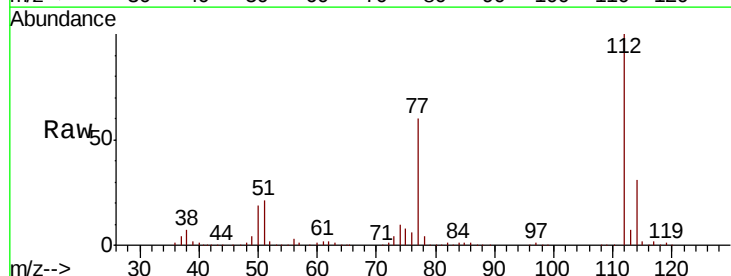
Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MSD

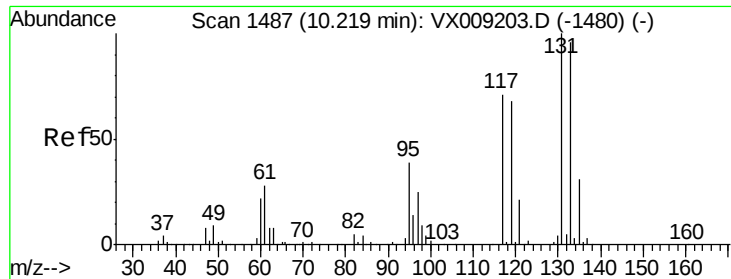
Tot Ion:164 Resp: 75131
Ion Ratio Lower Upper
164 100
166 129.7 101.2 151.8
129 92.1 74.3 111.5
131 91.1 71.0 106.6



#65
Chlorobenzene
Concen: 47.988 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Tgt Ion:112 Resp: 232428
Ion Ratio Lower Upper
112 100
114 31.4 25.5 38.3

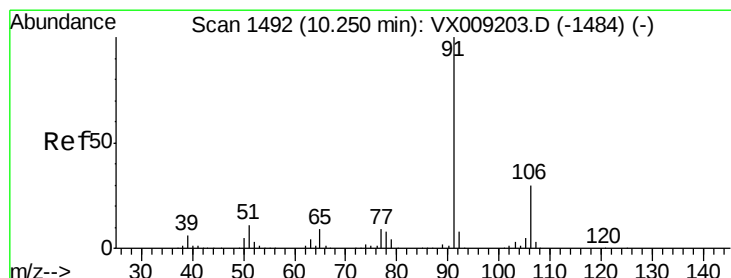
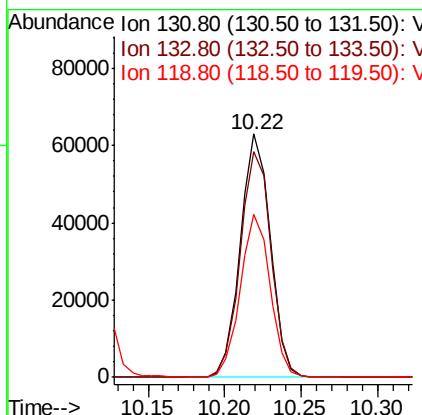
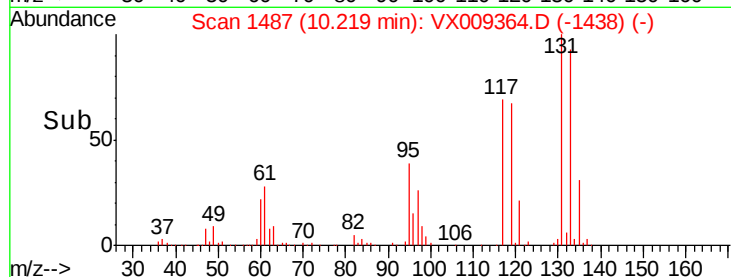
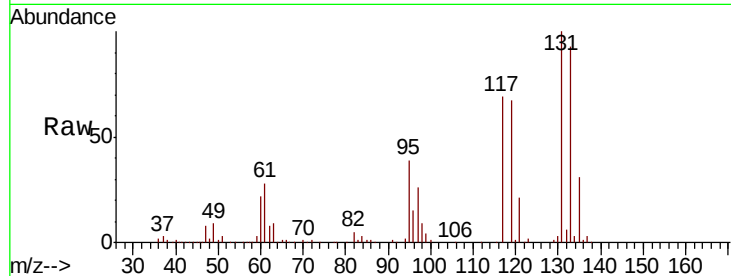




#66
 1,1,1,2-Tetrachloroethane
 Concen: 48.766 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VX009364.D
 Acq: 06 May 2019 20:33

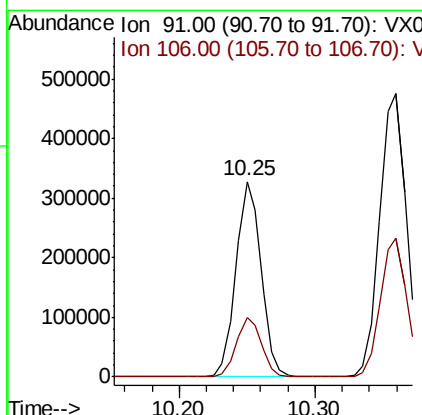
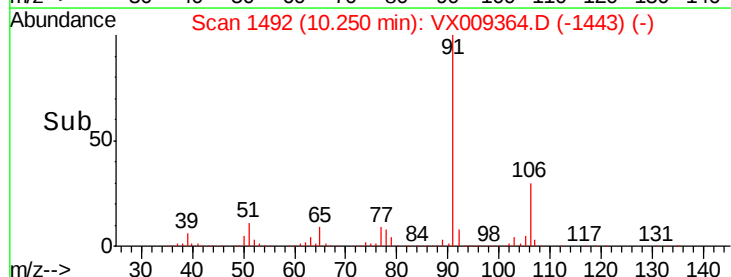
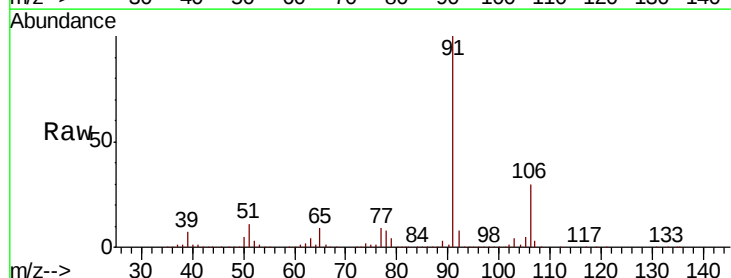
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502MSD

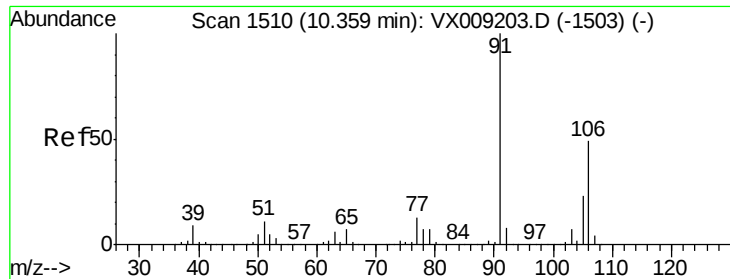
Tot Ion:131 Resp: 85632
 Ion Ratio Lower Upper
 131 100
 133 95.3 47.7 143.1
 119 66.9 33.5 100.4



#67
 Ethyl Benzene
 Concen: 47.550 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VX009364.D
 Acq: 06 May 2019 20:33

Tgt Ion: 91 Resp: 423858
 Ion Ratio Lower Upper
 91 100
 106 30.3 24.0 36.0

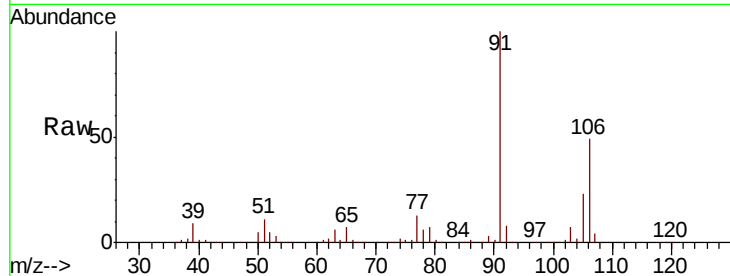




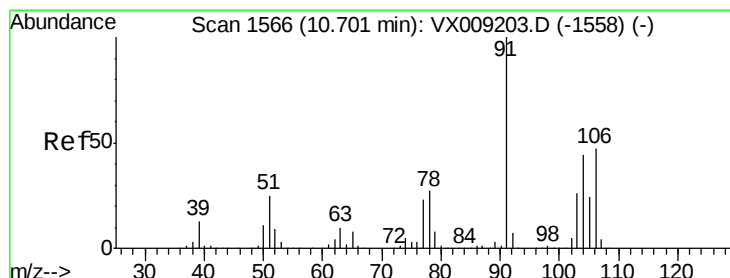
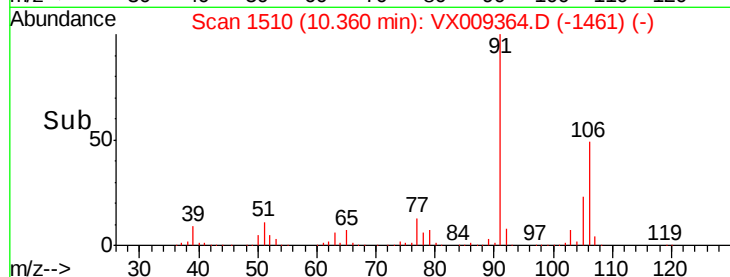
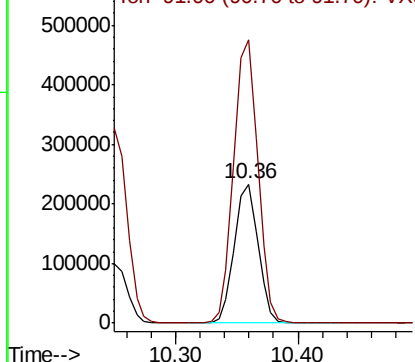
#68
m/p-Xylenes
Concen: 96.527 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MSD

Tot Ion:106 Resp: 314428
Ion Ratio Lower Upper
106 100
91 207.3 164.0 246.0

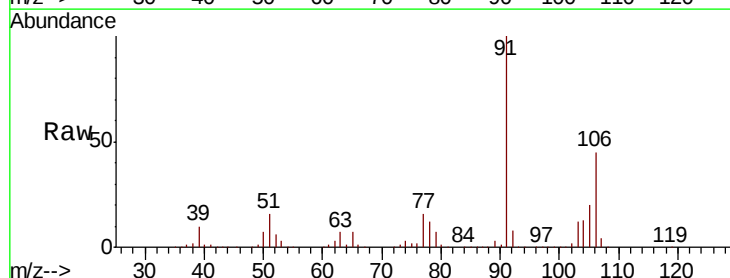


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

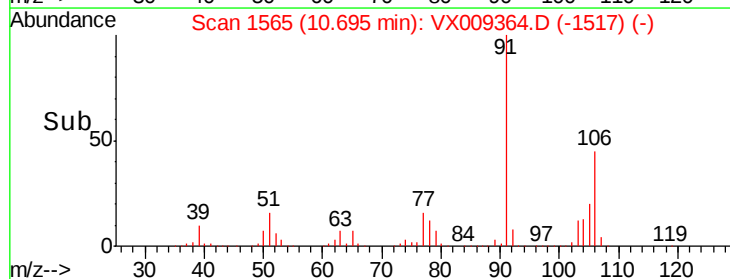
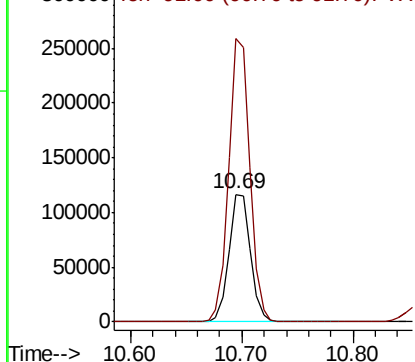


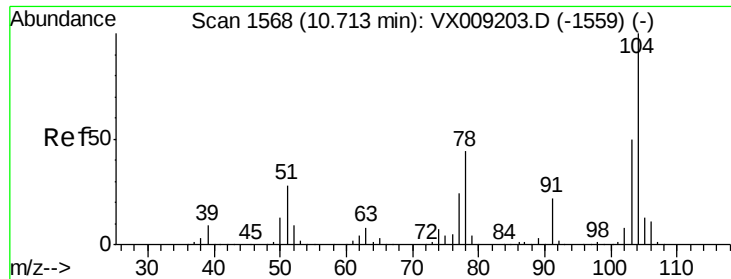
#69
o-Xylene
Concen: 48.390 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Tgt Ion:106 Resp: 155523
Ion Ratio Lower Upper
106 100
91 218.6 109.5 328.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

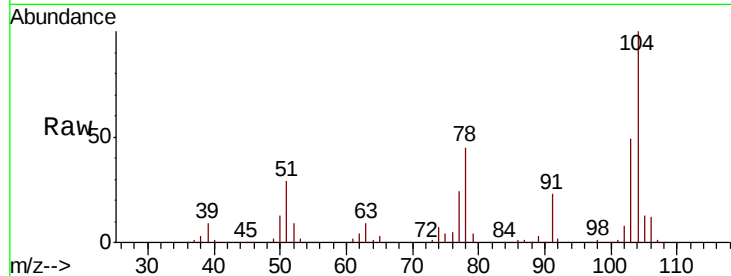




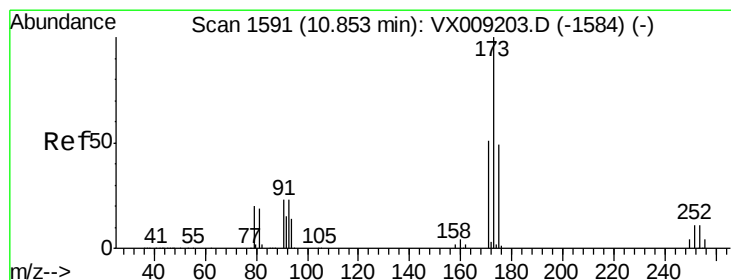
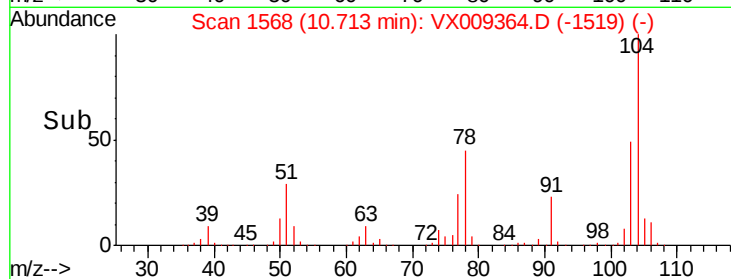
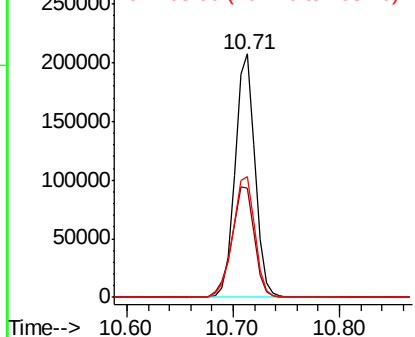
#70
Stvrene
Concen: 48.722 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MSD

Tot Ion:104 Resp: 272162
Ion Ratio Lower Upper
104 100
78 51.3 41.0 61.4
103 55.0 43.8 65.6

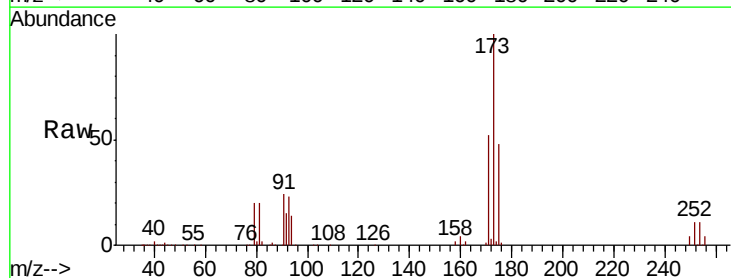


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

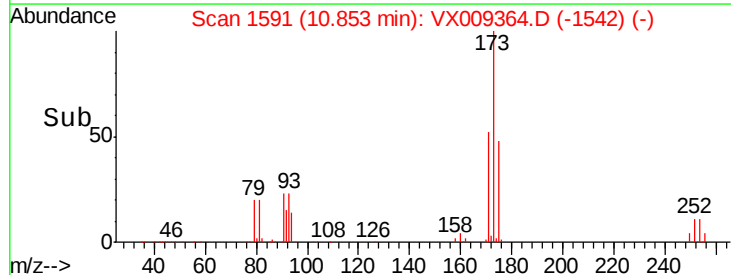
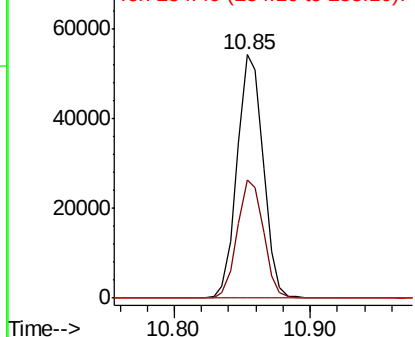


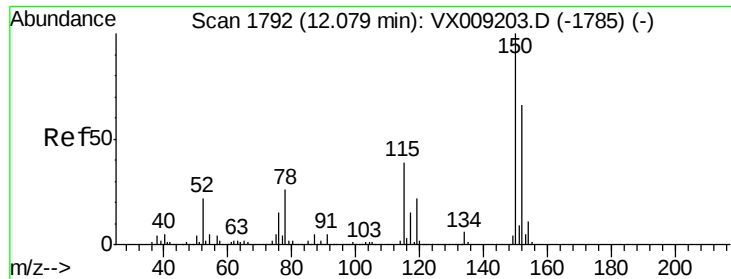
#71
Bromoform
Concen: 50.839 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Tgt Ion:173 Resp: 72546
Ion Ratio Lower Upper
173 100
175 48.8 24.5 73.5
254 0.2 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MSD

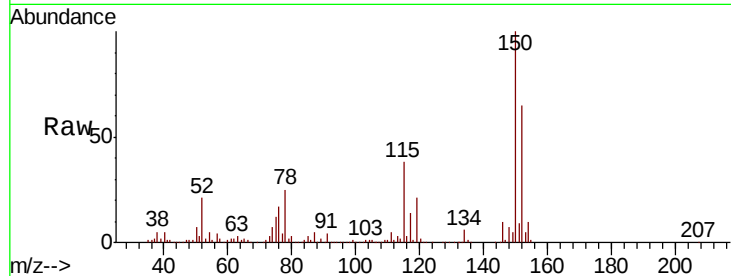
Tot Ion:152 Resp: 120584

Ion Ratio Lower Upper

152 100

115 80.6 41.2 123.6

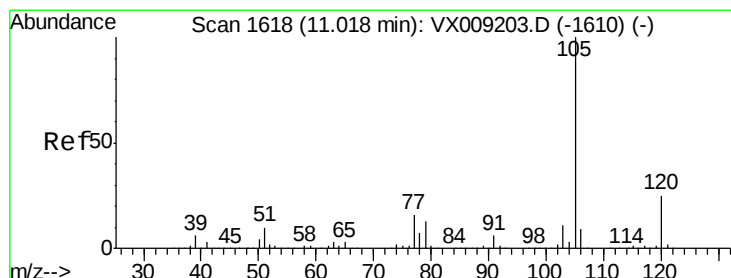
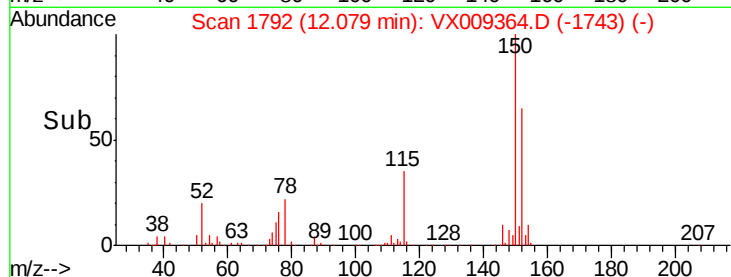
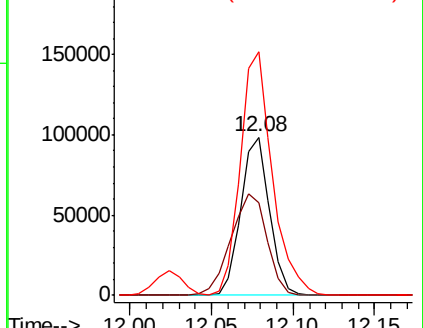
150 172.1 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 46.832 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009364.D

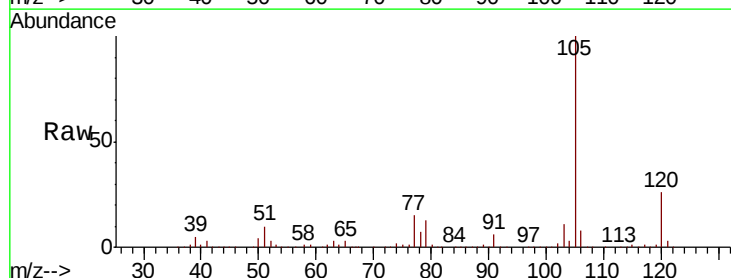
Acq: 06 May 2019 20:33

Tgt Ion:105 Resp: 410660

Ion Ratio Lower Upper

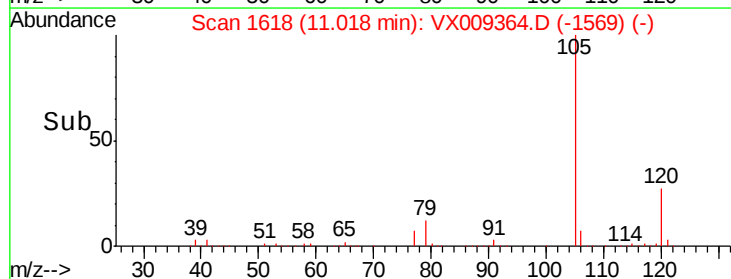
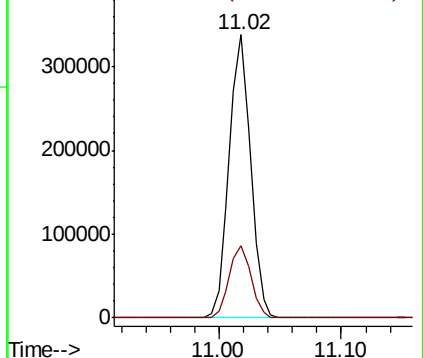
105 100

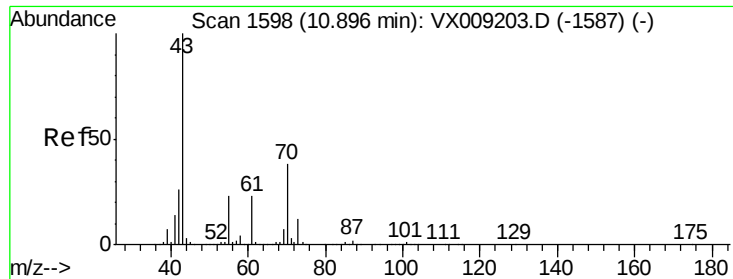
120 26.0 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 46.896 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MSD

Tot Ion: 43 Resp: 239745

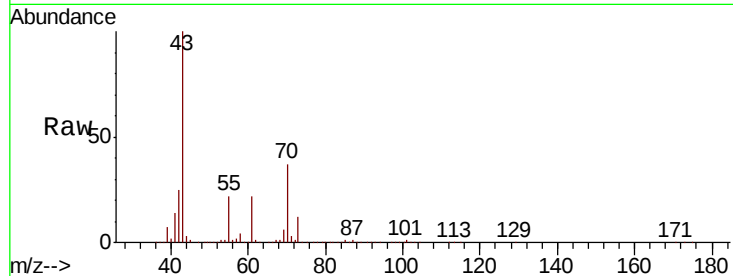
Ion Ratio Lower Upper

43 100

70 37.4 30.0 45.0

55 22.7 17.9 26.9

61 22.5 18.4 27.6

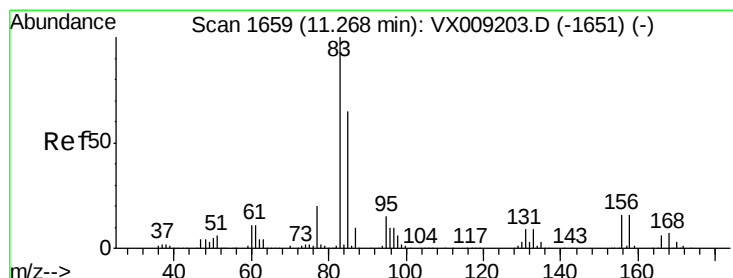
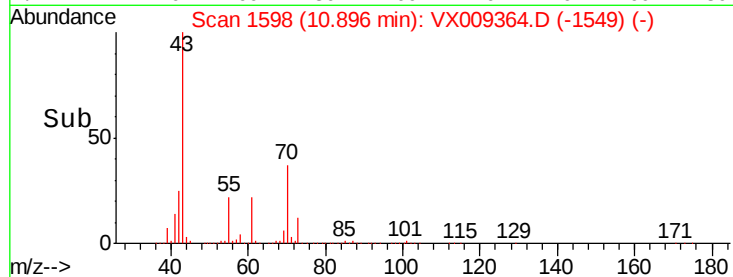
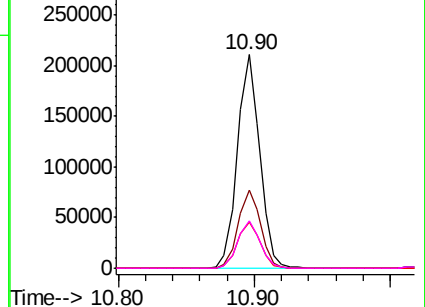


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 49.607 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

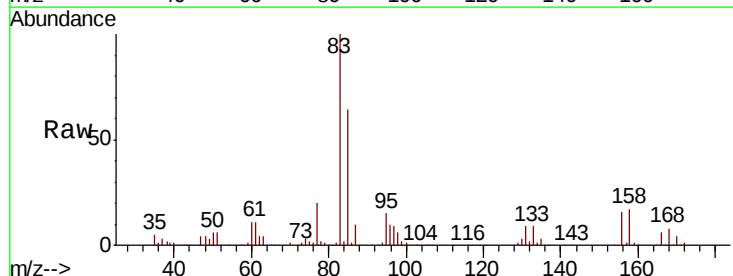
Tgt Ion: 83 Resp: 162159

Ion Ratio Lower Upper

83 100

131 9.2 4.6 13.8

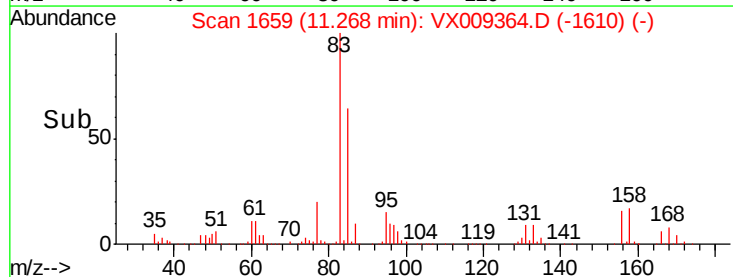
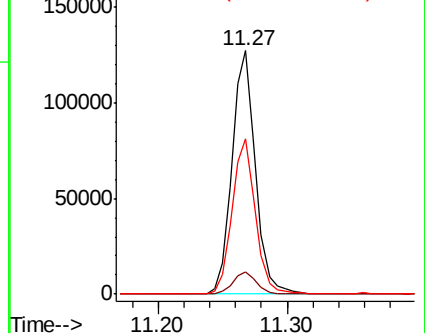
85 64.0 32.0 96.2

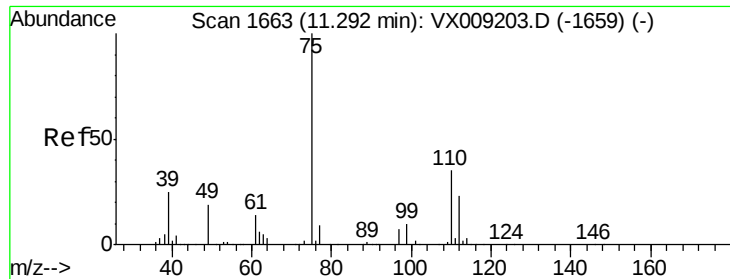


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

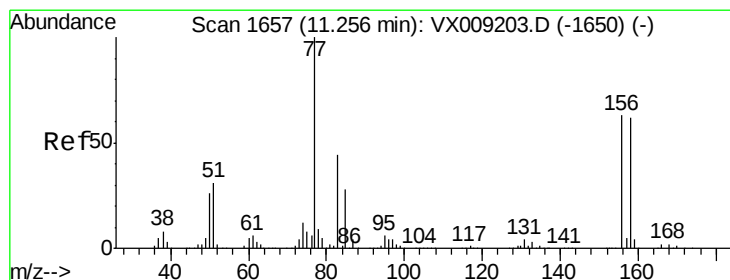
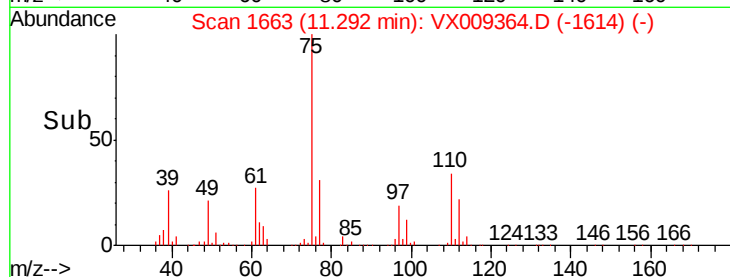
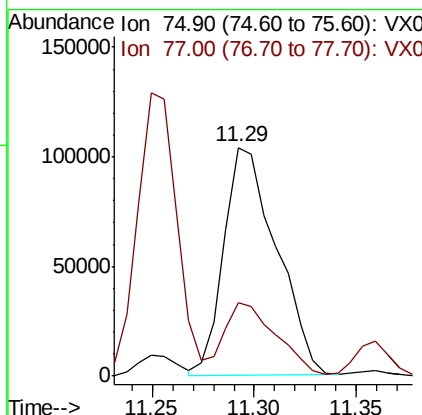
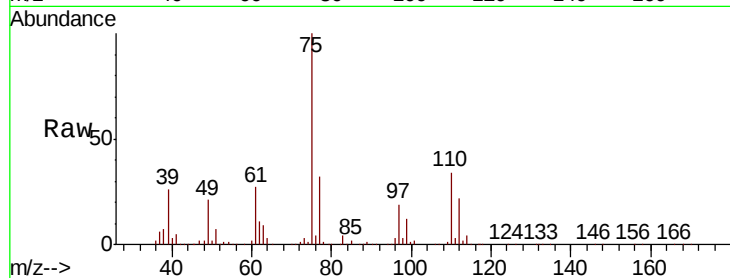




#76
 1,2,3-Trichloropropane
 Concen: 66.402 ug/l
 RT: 11.29 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VX009364.D
 Acq: 06 May 2019 20:33

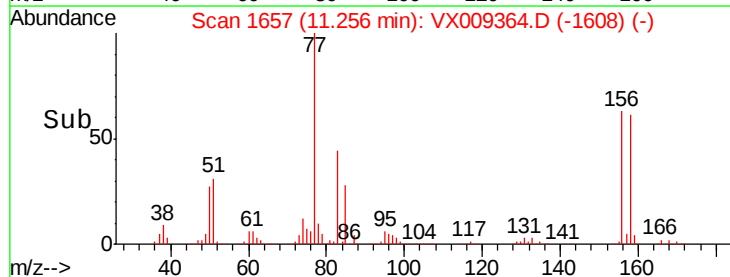
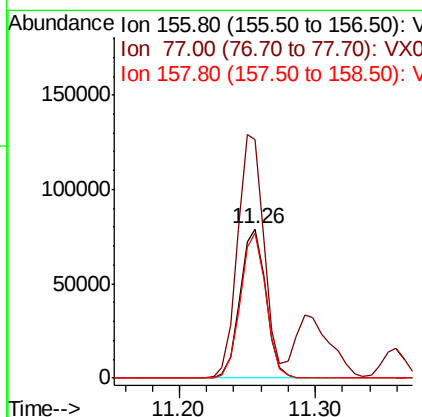
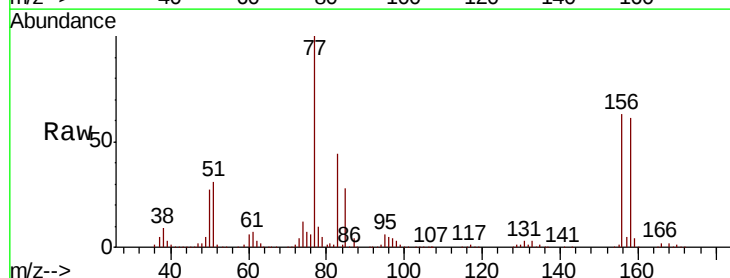
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502MSD

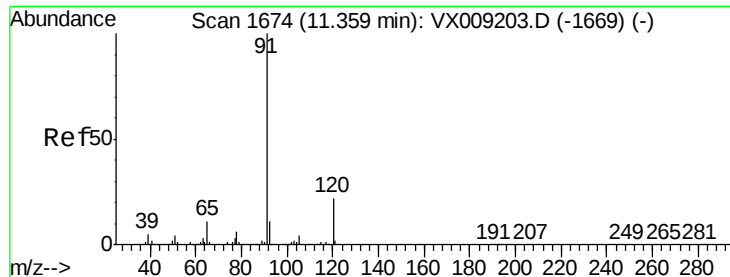
Tot Ion: 75 Resp: 185734
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.1 66.1



#77
 Bromobenzene
 Concen: 47.795 ug/l
 RT: 11.26 min Scan# 1657
 Delta R.T. 0.00 min
 Lab File: VX009364.D
 Acq: 06 May 2019 20:33

Tgt Ion: 156 Resp: 104022
 Ion Ratio Lower Upper
 156 100
 77 166.9 84.8 254.3
 158 96.5 49.1 147.3





#78

n-propylbenzene

Concen: 47.367 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

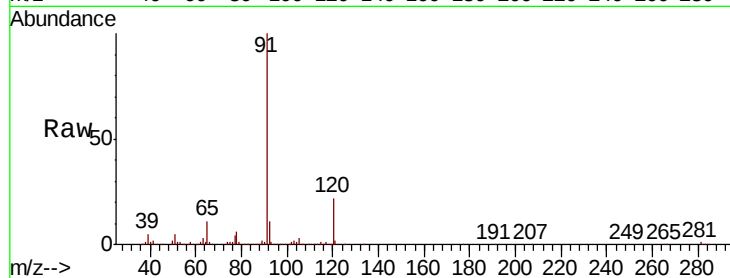
MW-4-20190502MSD

Tot Ion: 91 Resp: 474353

Ion Ratio Lower Upper

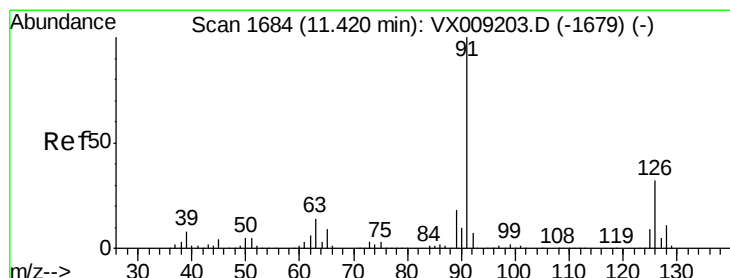
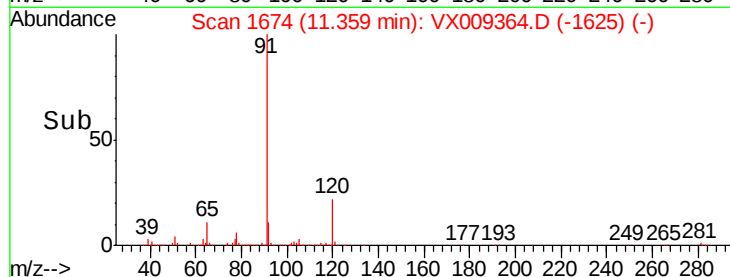
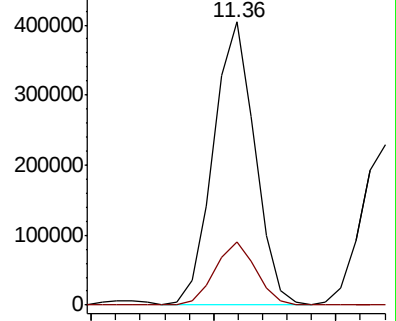
91 100

120 22.3 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 46.075 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009364.D

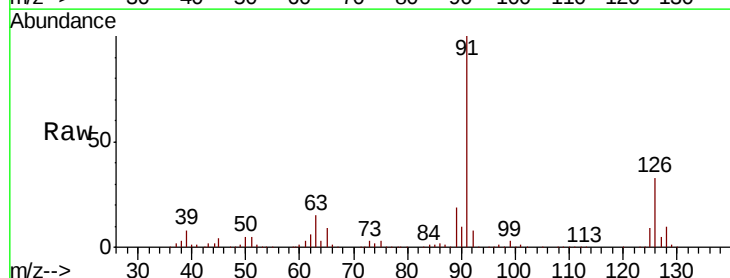
Acq: 06 May 2019 20:33

Tgt Ion: 91 Resp: 284669

Ion Ratio Lower Upper

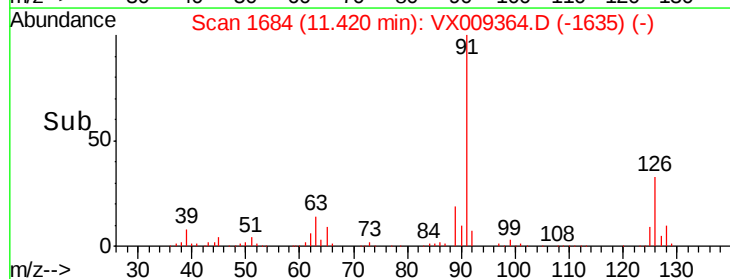
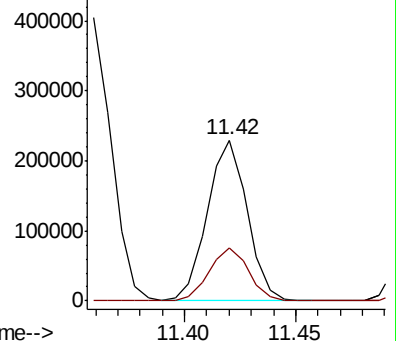
91 100

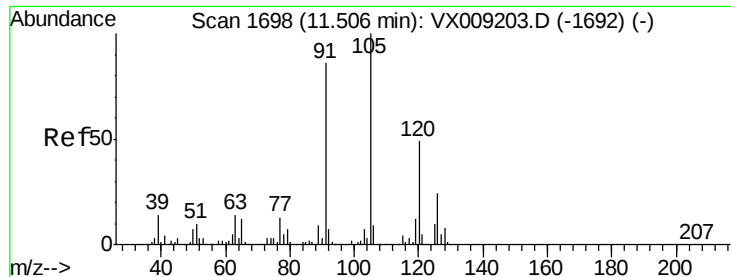
126 33.1 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

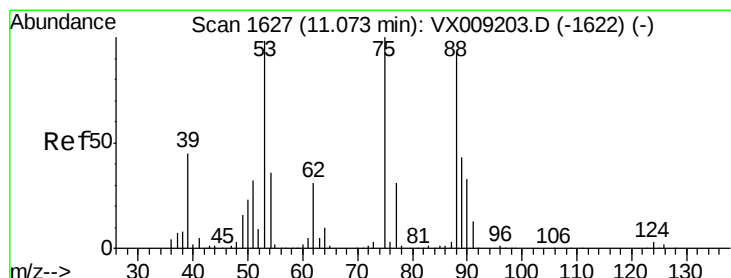
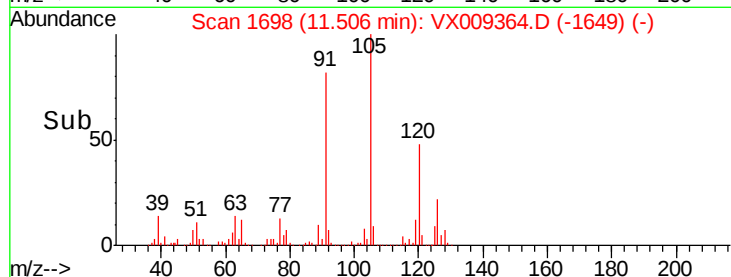
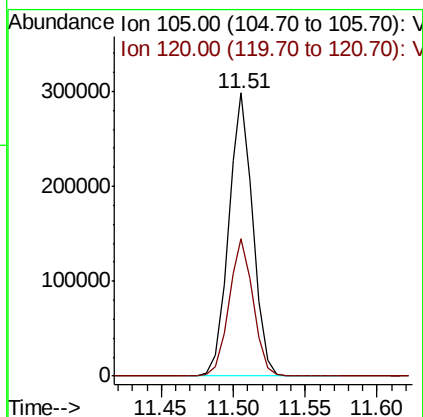
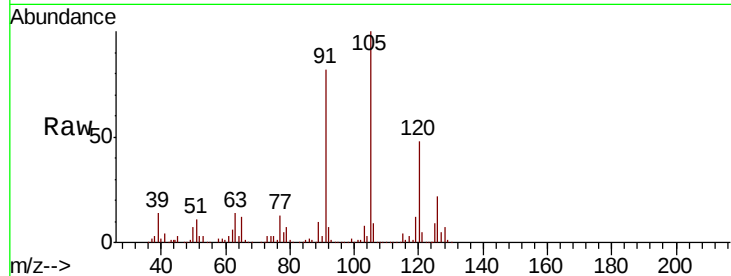




#80
 1,3,5-Trimethylbenzene
 Concen: 47.129 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX009364.D
 Acq: 06 May 2019 20:33

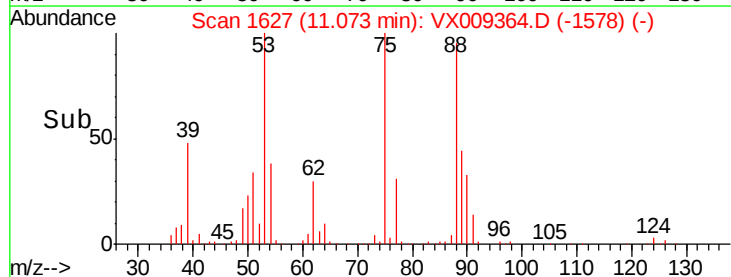
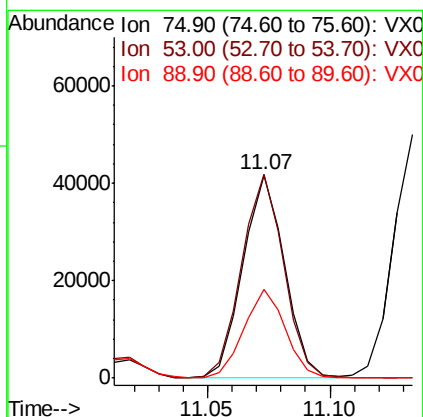
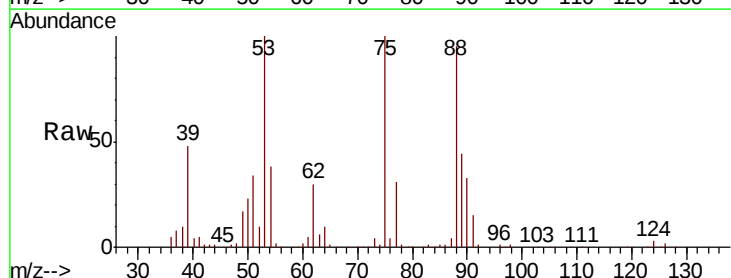
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502MSD

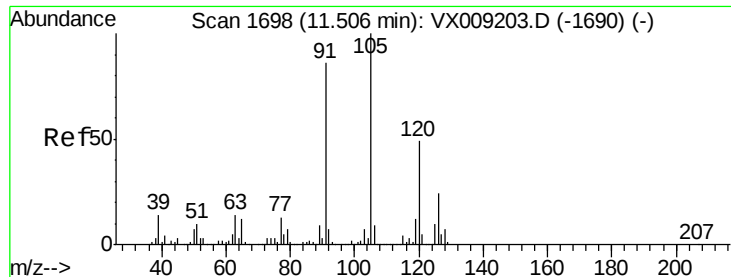
Tot Ion:105 Resp: 347966
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.3 72.9



#81
 trans-1,4-Dichloro-2-butene
 Concen: 45.087 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VX009364.D
 Acq: 06 May 2019 20:33

Tgt Ion: 75 Resp: 49289
 Ion Ratio Lower Upper
 75 100
 53 102.4 79.0 118.6
 89 44.3 34.7 52.1





#82

4-Chlorotoluene

Concen: 47.069 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

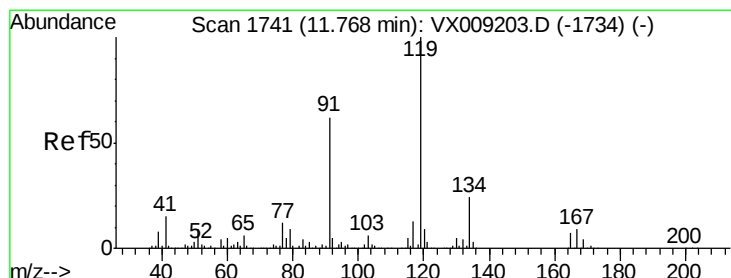
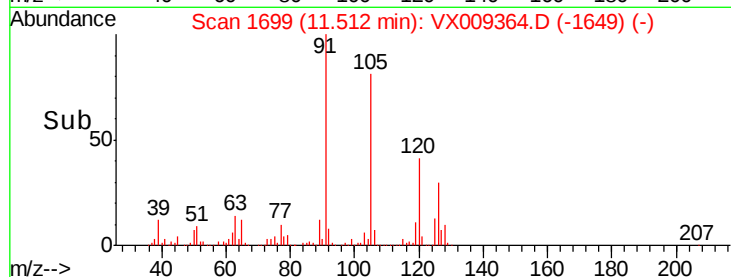
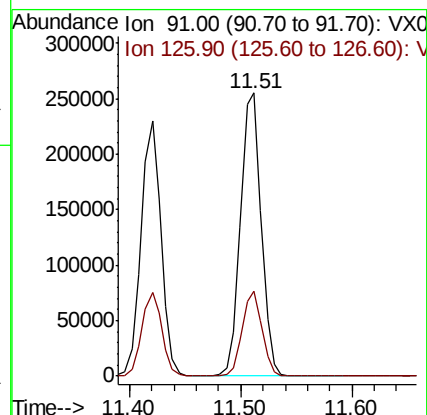
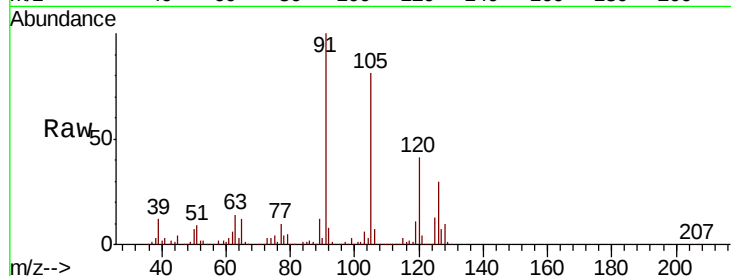
MW-4-20190502MSD

Tot Ion: 91 Resp: 328529

Ion Ratio Lower Upper

91 100

126 28.9 14.5 43.6



#83

tert-Butylbenzene

Concen: 47.400 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

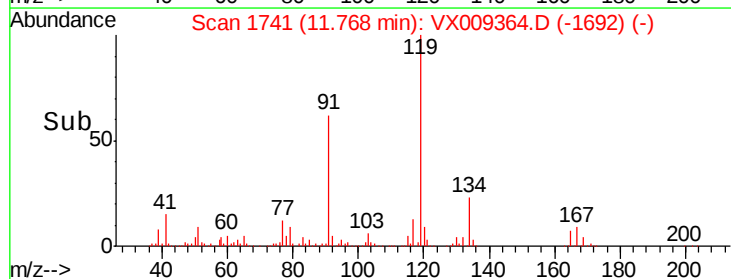
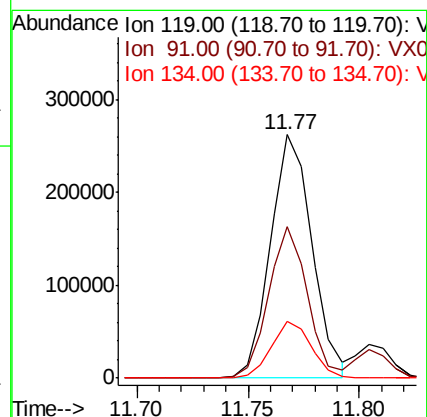
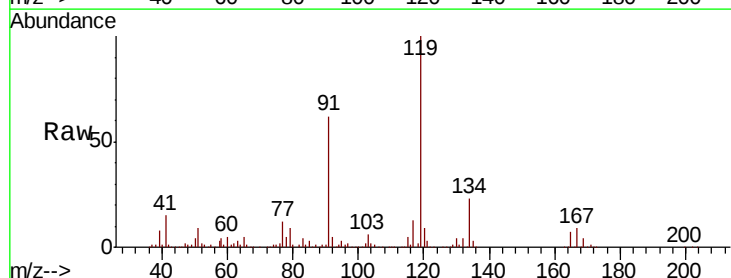
Tgt Ion: 119 Resp: 340447

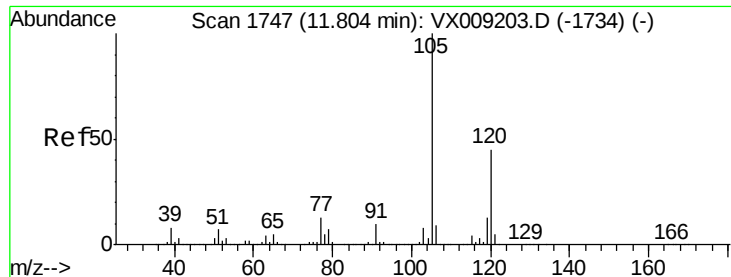
Ion Ratio Lower Upper

119 100

91 58.1 29.5 88.5

134 22.3 11.4 34.1

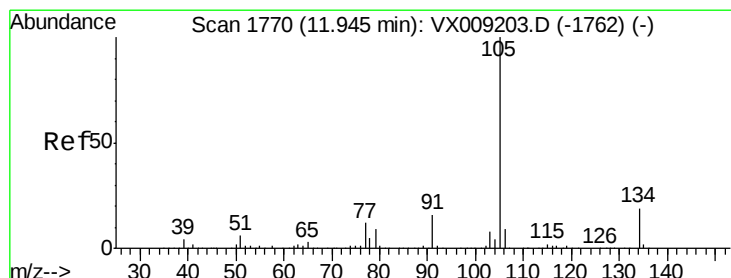
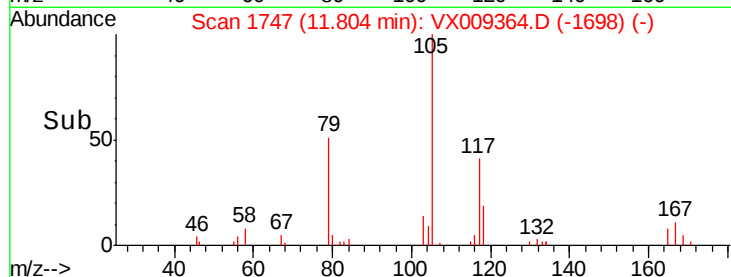
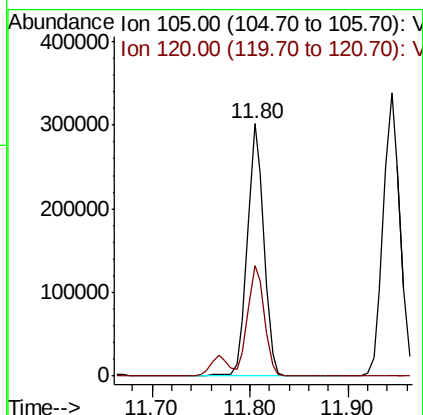
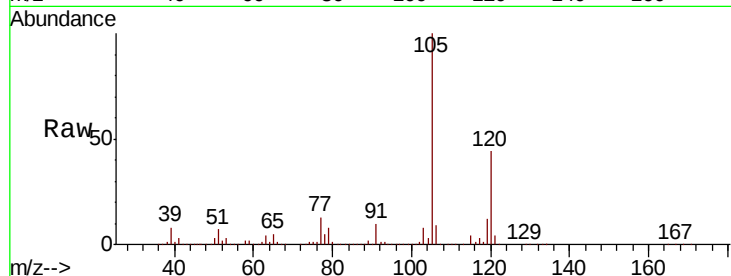




#84
 1,2,4-Trimethylbenzene
 Concen: 47.485 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX009364.D
 Acq: 06 May 2019 20:33

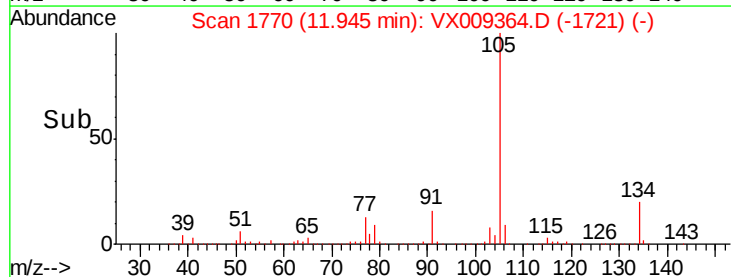
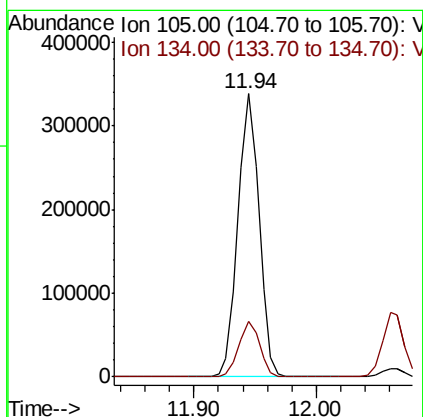
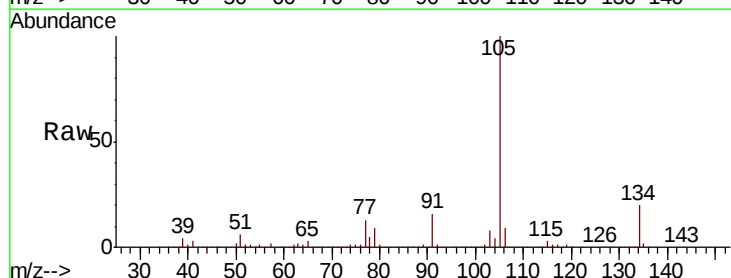
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502MSD

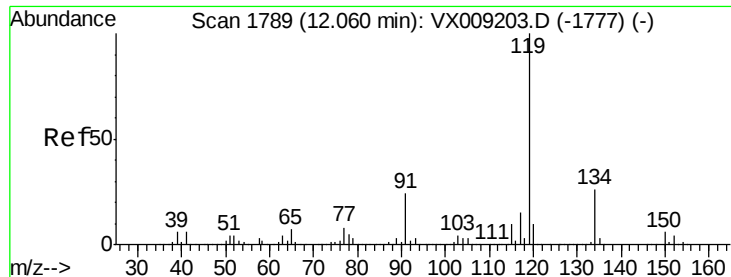
Tot Ion:105 Resp: 351910
 Ion Ratio Lower Upper
 105 100
 120 43.9 22.0 66.0



#85
 sec-Butylbenzene
 Concen: 47.281 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX009364.D
 Acq: 06 May 2019 20:33

Tgt Ion:105 Resp: 402612
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.7 28.9

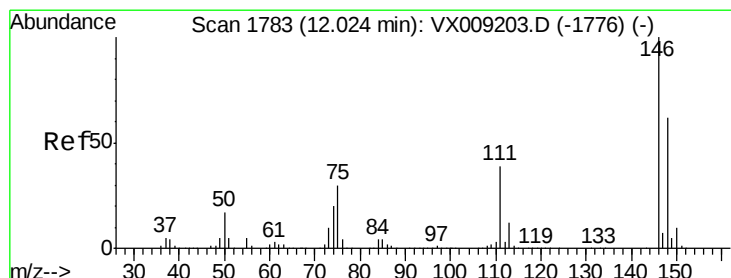
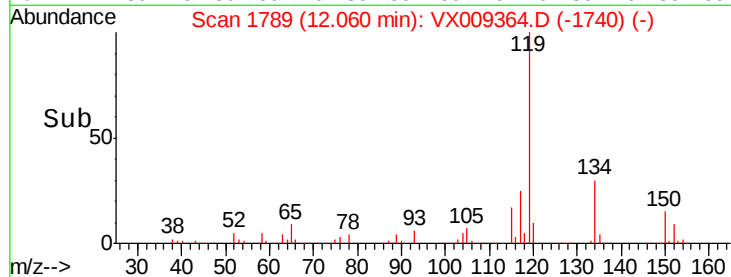
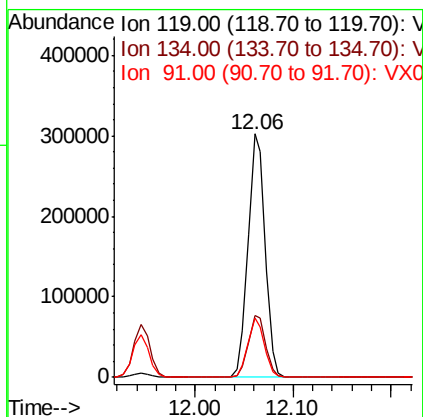
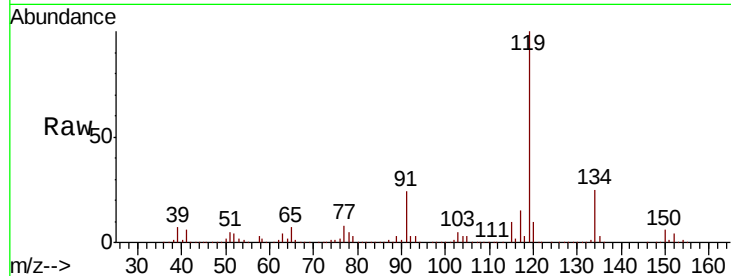




#86
 p-Isopropyltoluene
 Concen: 47.799 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX009364.D
 Acq: 06 May 2019 20:33

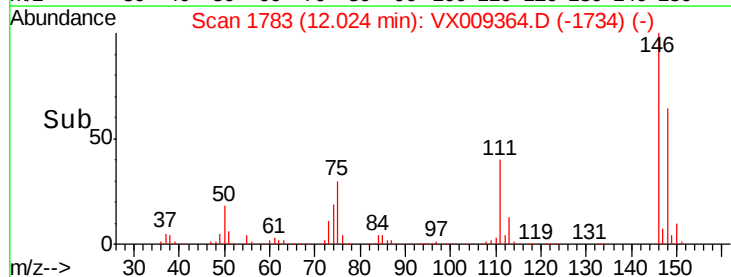
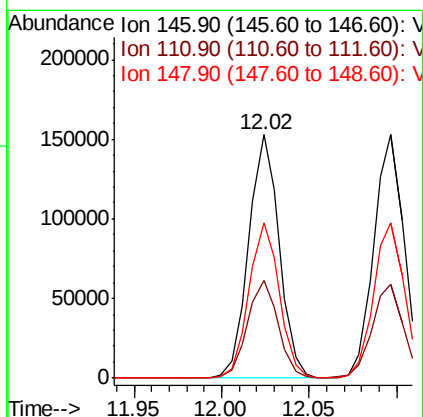
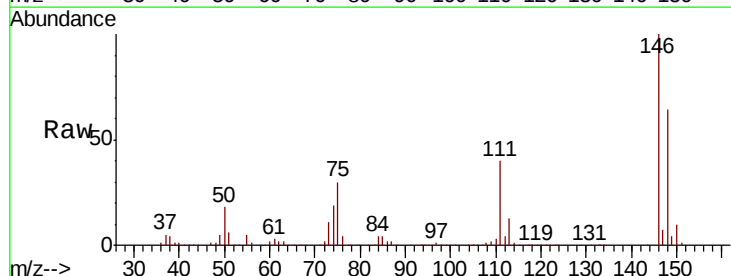
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502MSD

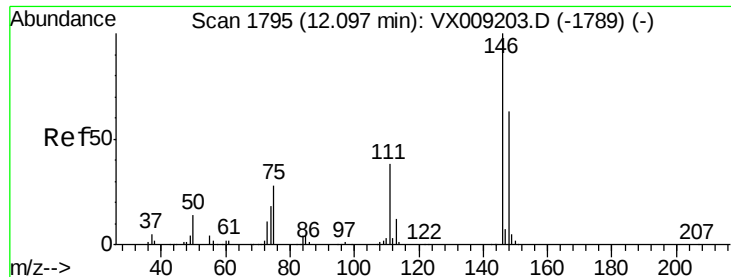
Tot Ion:119 Resp: 365912
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.9 38.7
 91 23.6 11.8 35.4



#87
 1,3-Dichlorobenzene
 Concen: 47.654 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009364.D
 Acq: 06 May 2019 20:33

Tgt Ion:146 Resp: 184892
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.0 59.9
 148 63.7 31.8 95.3





#88

1,4-Dichlorobenzene

Concen: 46.931 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MSD

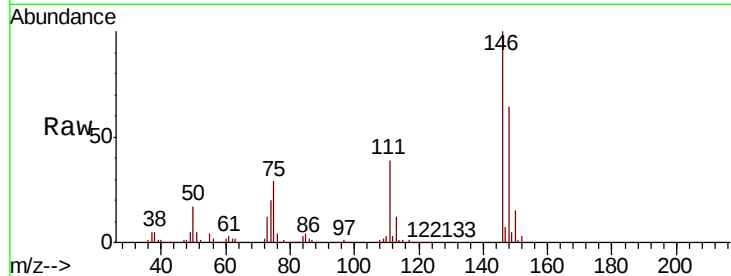
Tot Ion:146 Resp: 183575

Ion Ratio Lower Upper

146 100

111 39.4 19.6 58.8

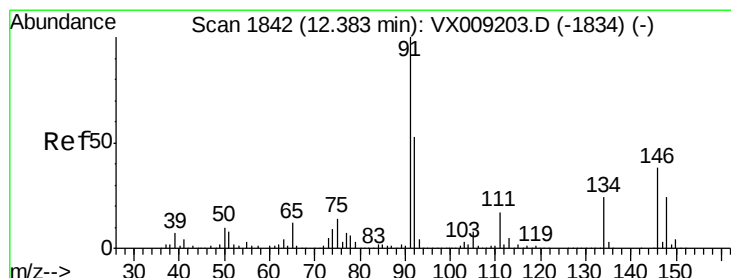
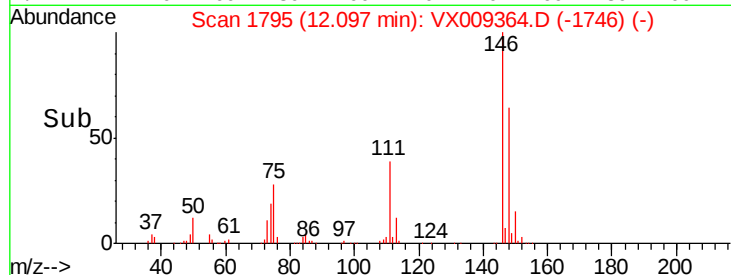
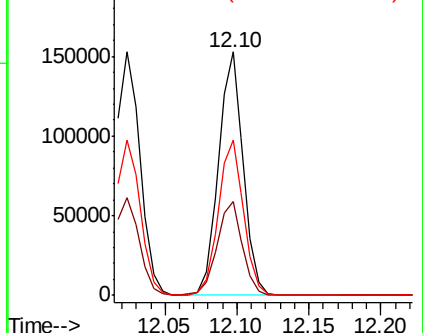
148 65.3 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 47.799 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

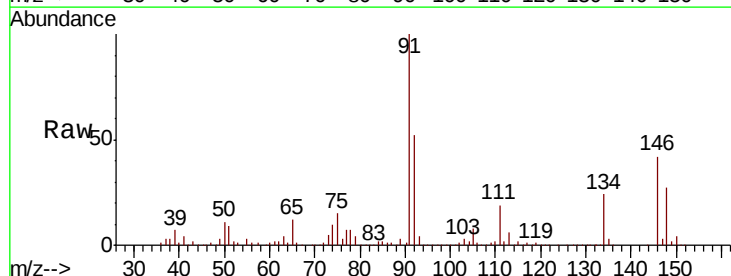
Tgt Ion: 91 Resp: 330721

Ion Ratio Lower Upper

91 100

92 52.7 26.5 79.5

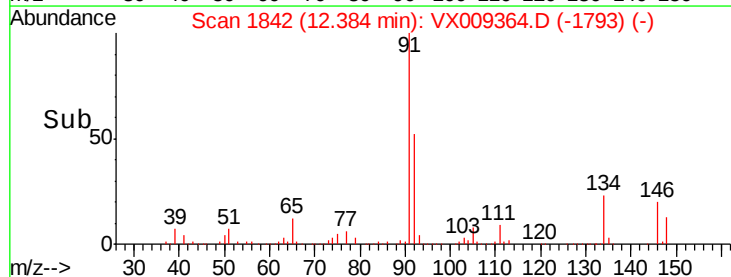
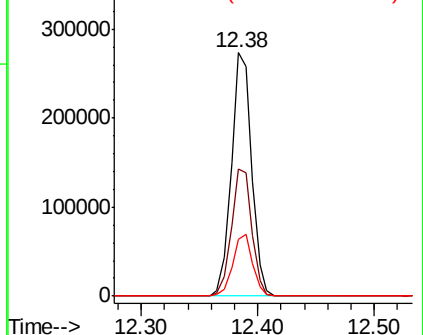
134 24.9 12.4 37.2

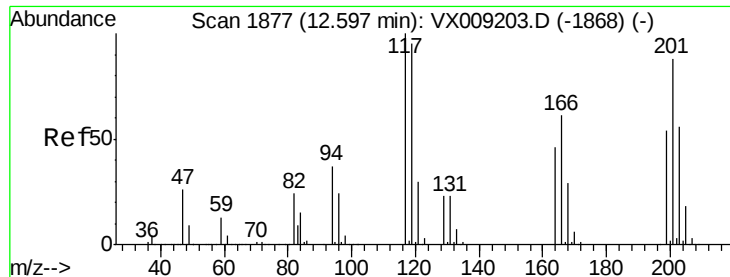


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V

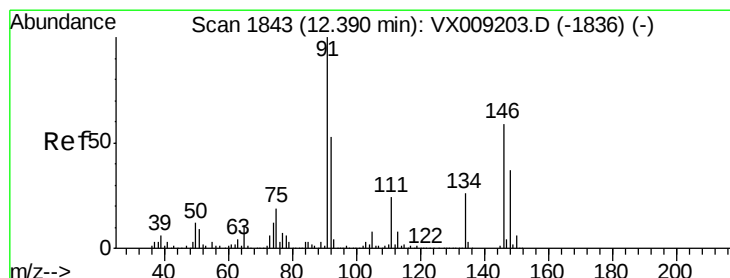
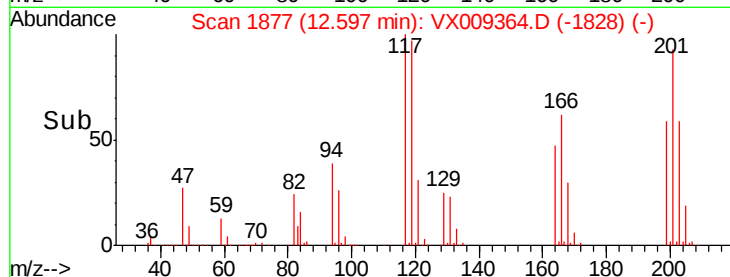
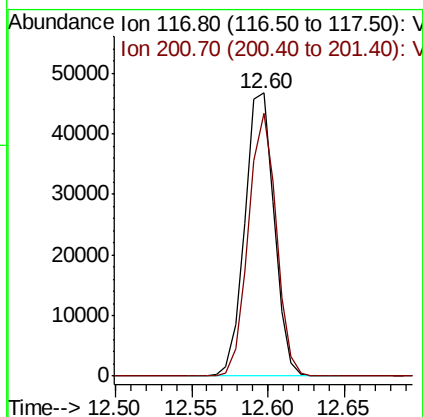
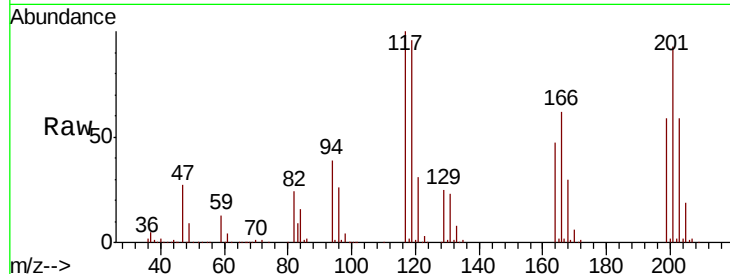




#90
Hexachloroethane
Concen: 47.714 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

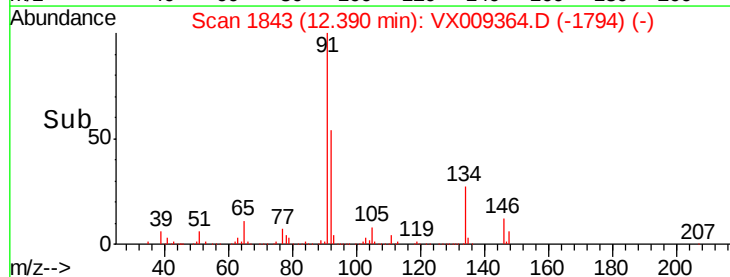
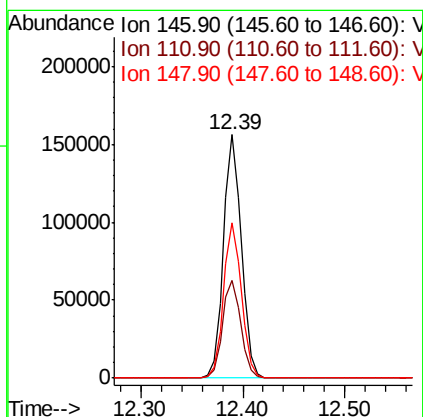
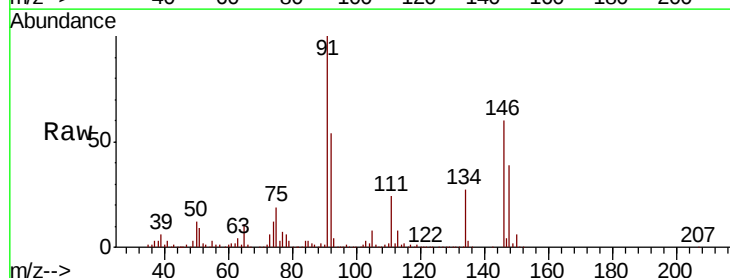
Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MSD

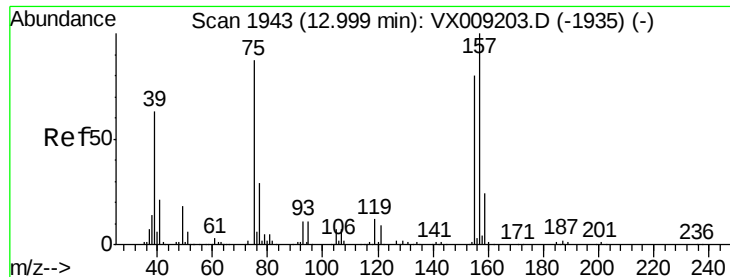
Tot Ion:117 Resp: 62228
Ion Ratio Lower Upper
117 100
201 88.5 42.3 126.9



#91
1,2-Dichlorobenzene
Concen: 48.310 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX009364.D
Acq: 06 May 2019 20:33

Tgt Ion:146 Resp: 190913
Ion Ratio Lower Upper
146 100
111 41.1 20.8 62.4
148 63.5 31.9 95.9





#92

1,2-Dibromo-3-Chloropropane

Concen: 51.598 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MSD

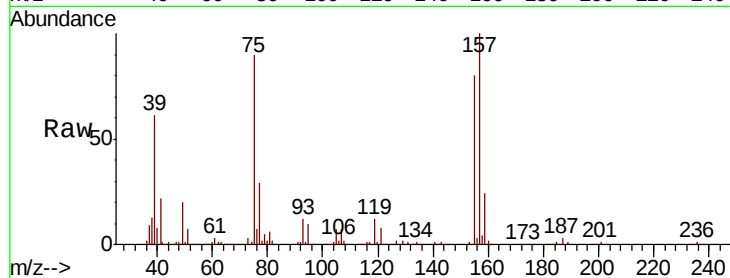
Tot Ion: 75 Resp: 37837

Ion	Ratio	Lower	Upper
75	100		
155	84.5	42.0	126.0
157	105.9	53.2	159.6

75 100

155 84.5 42.0 126.0

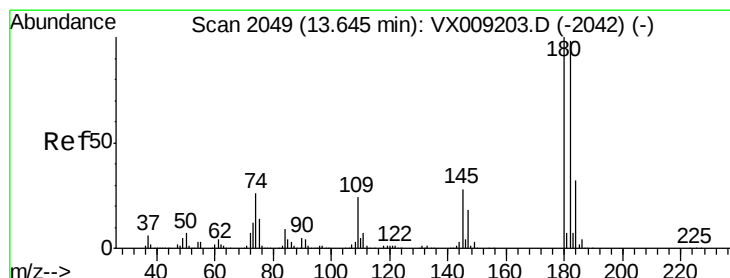
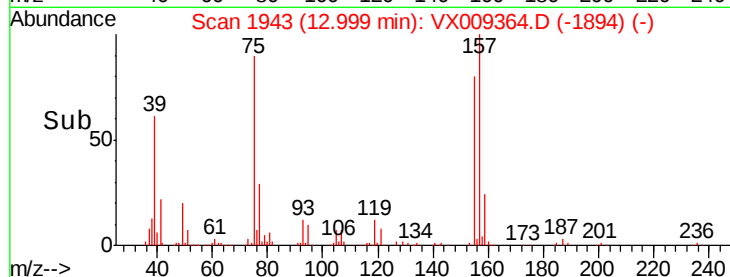
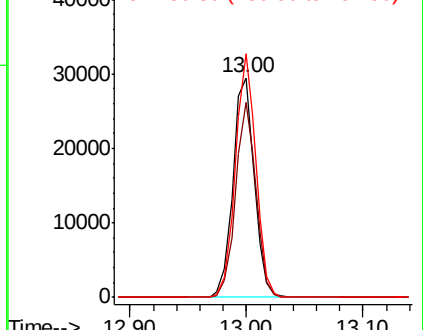
157 105.9 53.2 159.6



Abundance Ion 74.90 (74.60 to 75.60): VX009364.D (-1894) (-)

Ion 154.80 (154.50 to 155.50): VX009364.D (-1894) (-)

Ion 156.80 (156.50 to 157.50): VX009364.D (-1894) (-)



#93

1,2,4-Trichlorobenzene

Concen: 48.963 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

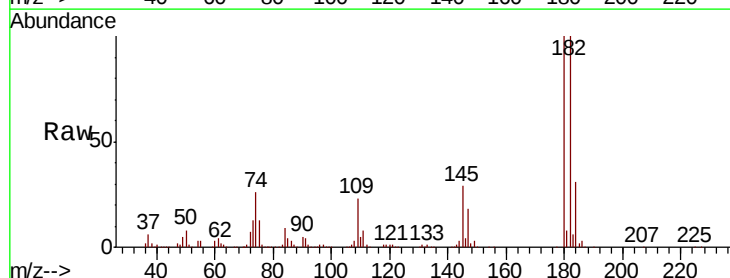
Tgt Ion: 180 Resp: 132319

Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.4	145.2
145	29.0	14.6	43.8

180 100

182 95.8 48.4 145.2

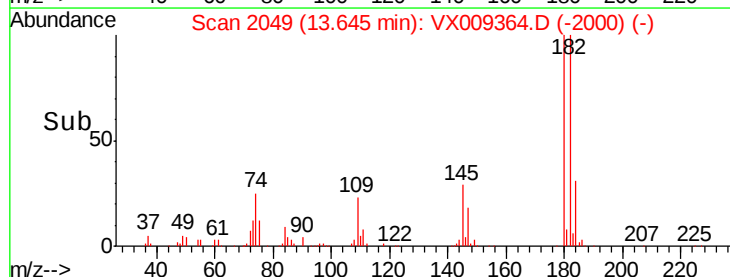
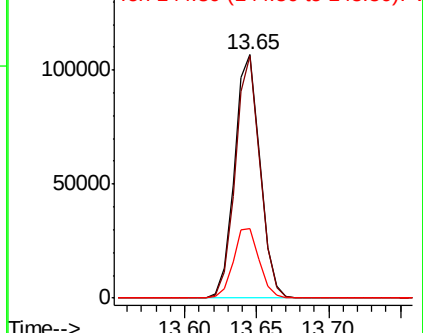
145 29.0 14.6 43.8

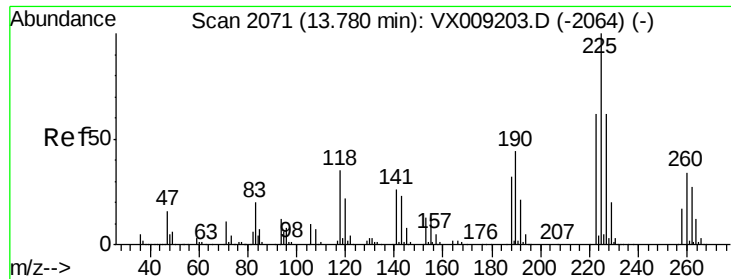


Abundance Ion 179.80 (179.50 to 180.50): VX009364.D (-2000) (-)

Ion 181.80 (181.50 to 182.50): VX009364.D (-2000) (-)

Ion 144.80 (144.50 to 145.50): VX009364.D (-2000) (-)





#94

Hexachlorobutadiene

Concen: 47.446 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MSD

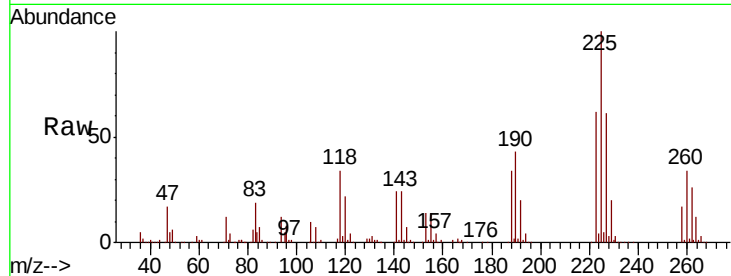
Tot Ion:225 Resp: 65476

Ion Ratio Lower Upper

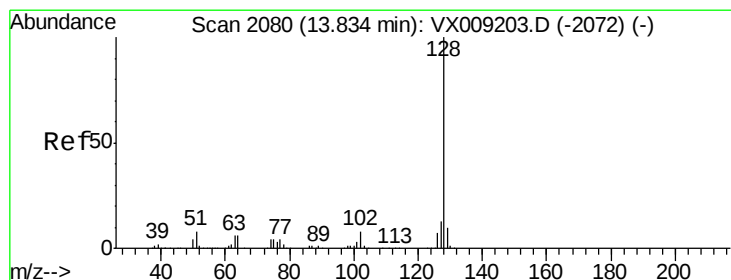
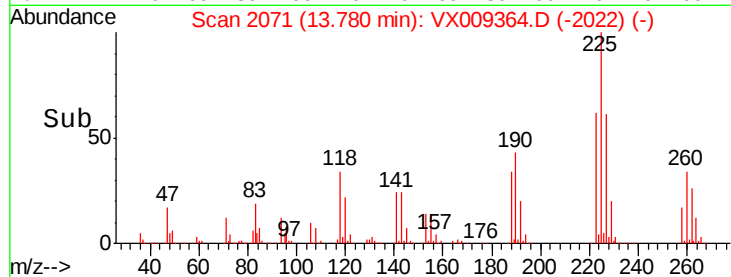
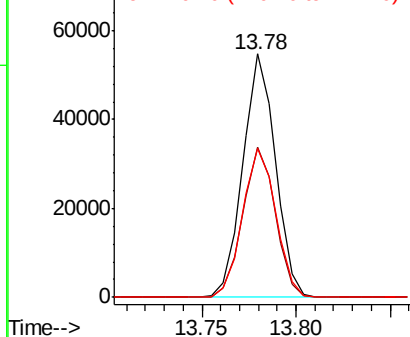
225 100

223 62.0 31.3 93.8

227 62.5 31.8 95.3



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 51.101 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX009364.D

Acq: 06 May 2019 20:33

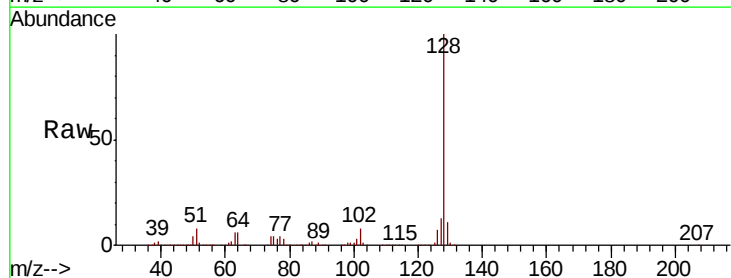
Tgt Ion:128 Resp: 449279

Ion Ratio Lower Upper

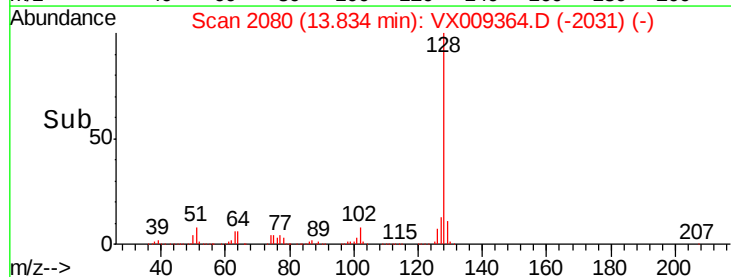
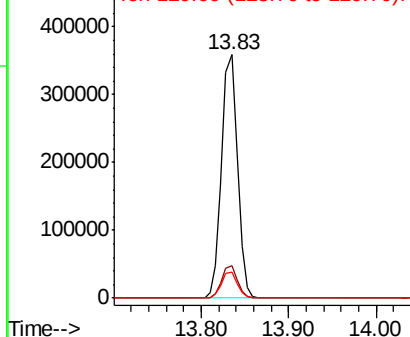
128 100

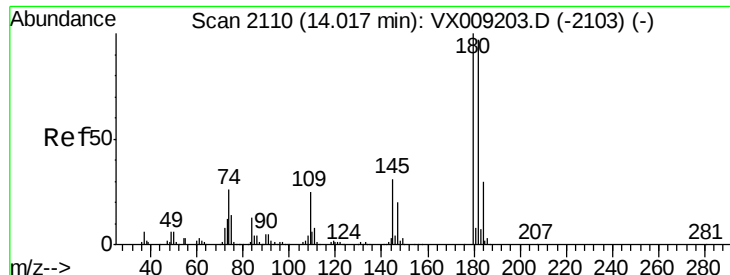
127 13.1 10.4 15.6

129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

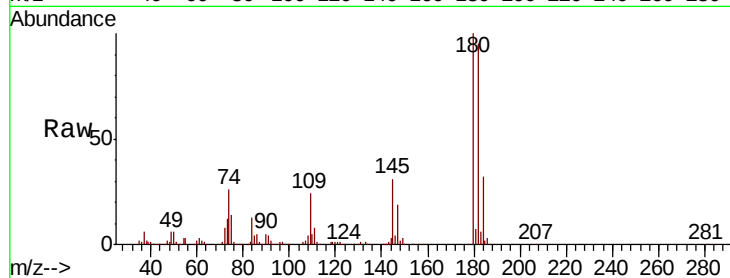




#96
 1,2,3-Trichlorobenzene
 Concen: 49.234 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX009364.D
 Acq: 06 May 2019 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.8	143.4
145	30.5	15.4	46.4



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

