

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081219\
 Data File : VX011501.D
 Acq On : 12 Aug 2019 22:53
 Operator : JC/SP
 Sample : VX0812WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0812WBS02

Quant Time: Aug 13 07:44:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	146239	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	222766	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	206656	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	105748	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	83801	56.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.80%	
35) Dibromofluoromethane	5.49	113	72239	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
50) Toluene-d8	8.71	98	267115	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
62) 4-Bromofluorobenzene	11.13	95	95307	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.19	85	21029	18.619	ug/l	98
3) Chloromethane	1.32	50	22749	17.936	ug/l	99
4) Vinyl Chloride	1.40	62	25194	18.058	ug/l	92
5) Bromomethane	1.63	94	19458	19.555	ug/l	98
6) Chloroethane	1.71	64	17300	18.372	ug/l	98
7) Trichlorofluoromethane	1.92	101	45098	18.180	ug/l	98
8) Diethyl Ether	2.18	74	16340	18.447	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	26135	19.471	ug/l	98
10) Methyl Iodide	2.50	142	25905	15.308	ug/l	95
11) Tert butyl alcohol	3.04	59	33366	113.630	ug/l	99
12) 1,1-Dichloroethene	2.37	96	24614	18.499	ug/l	89
13) Acrolein	2.29	56	15158	82.774	ug/l	93
14) Allyl chloride	2.72	41	37615	21.206	ug/l	95
15) Acrylonitrile	3.13	53	77974	111.266	ug/l	99
16) Acetone	2.43	43	70041	99.919	ug/l	97
17) Carbon Disulfide	2.56	76	53182	17.033	ug/l	99
18) Methyl Acetate	2.76	43	37557	23.445	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	85705	21.858	ug/l	96
20) Methylene Chloride	2.85	84	30370	19.783	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	26894	19.108	ug/l	94
22) Diisopropyl ether	3.85	45	83601	21.444	ug/l	93
23) Vinyl Acetate	3.81	43	347862	107.583	ug/l	98
24) 1,1-Dichloroethane	3.69	63	48552	21.121	ug/l	99
25) 2-Butanone	4.67	43	106887	107.193	ug/l	98
26) 2,2-Dichloropropane	4.58	77	30086	16.836	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	32807	20.237	ug/l	99
28) Bromochloromethane	5.01	49	21506	20.521	ug/l	99
29) Tetrahydrofuran	5.13	42	65822	107.658	ug/l	100
30) Chloroform	5.21	83	54020	21.621	ug/l	99
31) Cyclohexane	5.57	56	36237	19.107	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	46516	21.734	ug/l	98
36) 1,1-Dichloropropene	5.79	75	37327	19.192	ug/l	99
37) Ethyl Acetate	4.82	43	39678	20.338	ug/l	98
38) Carbon Tetrachloride	5.77	117	39116	19.990	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	39396	17.088	ug/l	96
40) Benzene	6.13	78	111196	19.159	ug/l	98
41) Methacrylonitrile	5.04	41	22295	20.925	ug/l	96
42) 1,2-Dichloroethane	6.19	62	42470	21.640	ug/l	99
43) Isopropyl Acetate	6.44	43	62324	19.981	ug/l	99
44) Trichloroethene	7.21	130	32931	18.745	ug/l	95
45) 1,2-Dichloropropane	7.51	63	29203	19.428	ug/l	97
46) Dibromomethane	7.66	93	21733	19.806	ug/l	95
47) Bromodichloromethane	7.89	83	37722	20.305	ug/l	97
48) Methyl methacrylate	7.77	41	31451	21.426	ug/l	96
49) 1,4-Dioxane	7.74	88	17084	401.453	ug/l	93
51) 4-Methyl-2-Pentanone	8.64	43	216094	107.352	ug/l	99
52) Toluene	8.78	92	75500	19.675	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	37023	18.979	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	41709	19.219	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	32250	20.440	ug/l	98
56) Ethyl methacrylate	9.18	69	44978	20.005	ug/l	96
57) 1,3-Dichloropropane	9.37	76	50175	20.109	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	105320	95.268	ug/l	99
59) 2-Hexanone	9.49	43	168794	108.260	ug/l	97
60) Dibromochloromethane	9.58	129	31875	19.733	ug/l	99
61) 1,2-Dibromoethane	9.67	107	33823	19.842	ug/l	99
64) Tetrachloroethene	9.33	164	33568	19.127	ug/l	96
65) Chlorobenzene	10.13	112	84542	19.080	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	30679	20.224	ug/l	99
67) Ethyl Benzene	10.25	91	143205	19.298	ug/l	99
68) m/p-Xylenes	10.35	106	109422	38.122	ug/l	97
69) o-Xylene	10.69	106	52613	18.656	ug/l	95
70) Styrene	10.71	104	90155	19.320	ug/l	97
71) Bromoform	10.85	173	22667	18.600	ug/l #	98
73) Isopropylbenzene	11.02	105	144431	19.970	ug/l	99
74) N-amyl acetate	10.90	43	55029	21.057	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	51190	21.239	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	51365	26.672	ug/l	85
77) Bromobenzene	11.25	156	39623	19.757	ug/l	96
78) n-propylbenzene	11.36	91	157156	19.540	ug/l	99
79) 2-Chlorotoluene	11.42	91	97169	20.270	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	120835	19.959	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	10909	18.284	ug/l	90
82) 4-Chlorotoluene	11.51	91	111937	20.036	ug/l	98
83) tert-Butylbenzene	11.77	119	119594	20.141	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	122120	20.259	ug/l	97
85) sec-Butylbenzene	11.94	105	138772	19.452	ug/l	99
86) p-Isopropyltoluene	12.06	119	127655	19.450	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	68919	19.449	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	68597	18.773	ug/l	97
89) n-Butylbenzene	12.38	91	103488	18.302	ug/l	99
90) Hexachloroethane	12.59	117	18398	18.961	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	69367	19.483	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	9819	21.028	ug/l	94

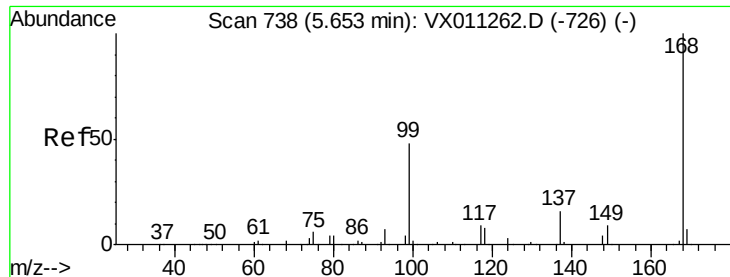
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Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	43877	18.582	ug/l	99
94) Hexachlorobutadiene	13.78	225	22028	18.388	ug/l	97
95) Naphthalene	13.83	128	133893	19.390	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	44294	18.452	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

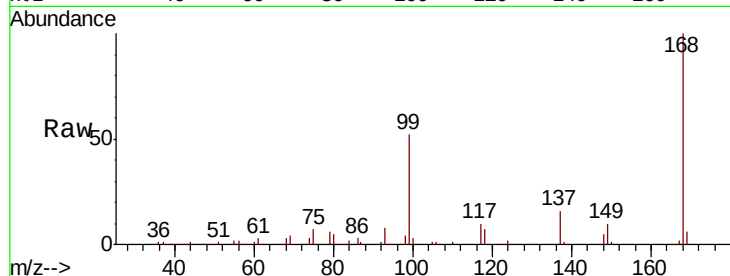
VX0812WBS02

Tgt Ion:168 Resp: 146239

Ion Ratio Lower Upper

168 100

99 51.9 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

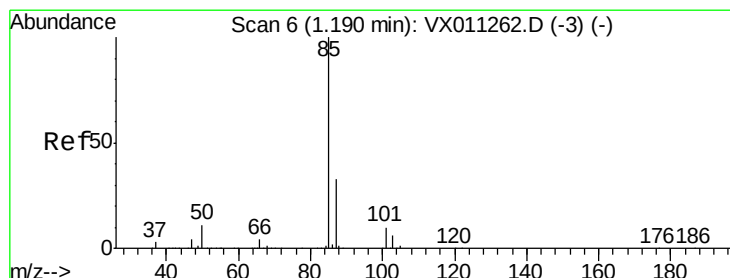
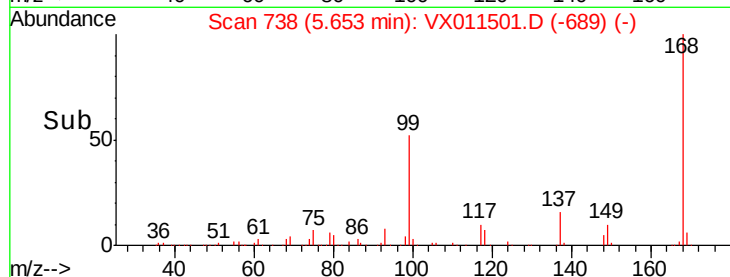
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 18.619 ug/l

RT: 1.19 min Scan# 6

Delta R.T. -0.00 min

Lab File: VX011501.D

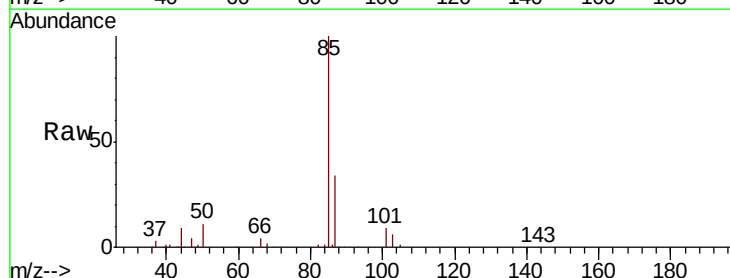
Acq: 12 Aug 2019 22:53

Tgt Ion: 85 Resp: 21029

Ion Ratio Lower Upper

85 100

87 33.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

25000

20000

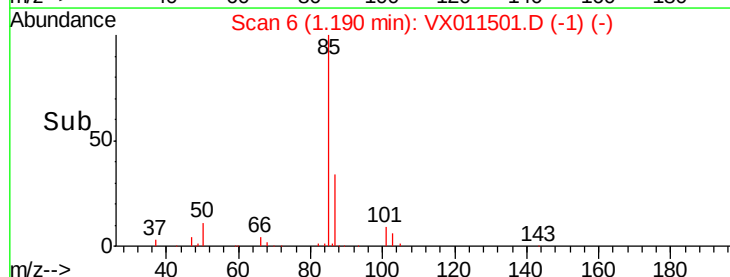
15000

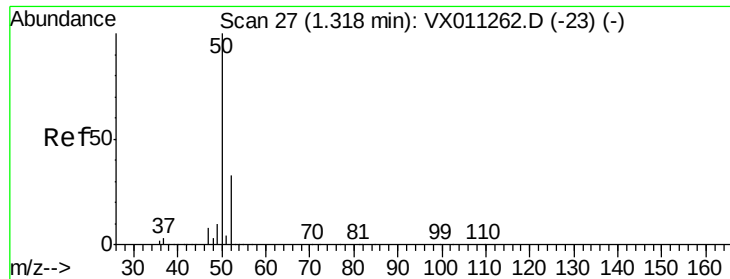
10000

5000

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 17.936 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

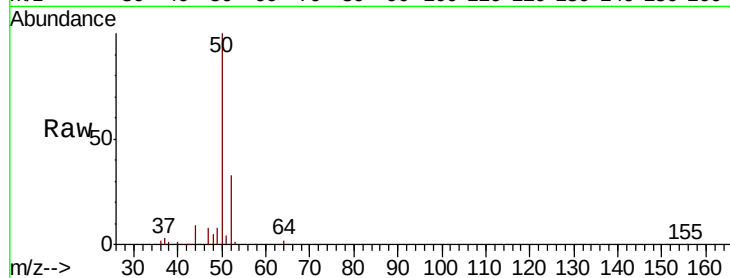
VX0812WBS02

Tgt Ion: 50 Resp: 22749

Ion Ratio Lower Upper

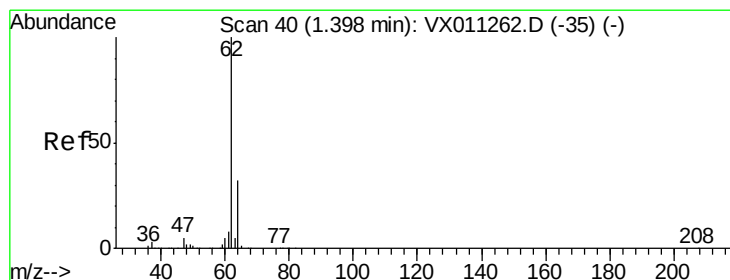
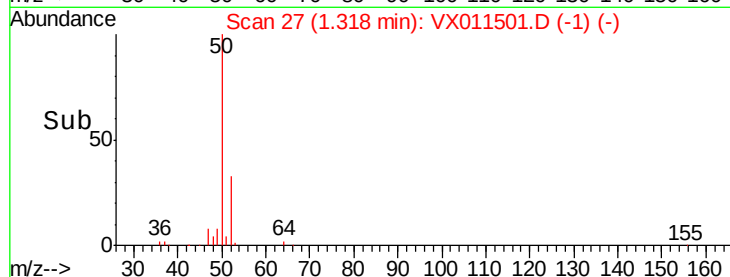
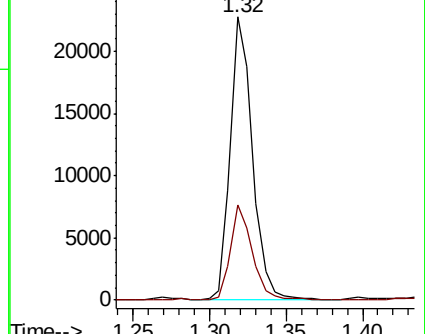
50 100

52 33.6 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 18.058 ug/l

RT: 1.40 min Scan# 40

Delta R.T. -0.00 min

Lab File: VX011501.D

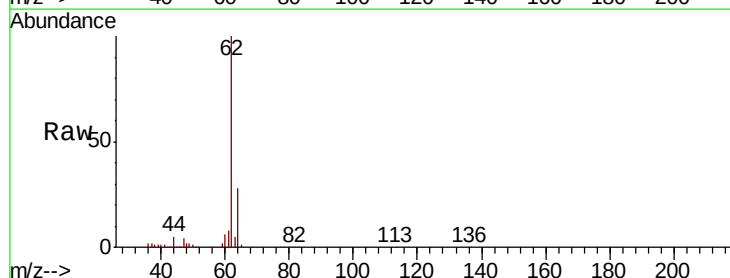
Acq: 12 Aug 2019 22:53

Tgt Ion: 62 Resp: 25194

Ion Ratio Lower Upper

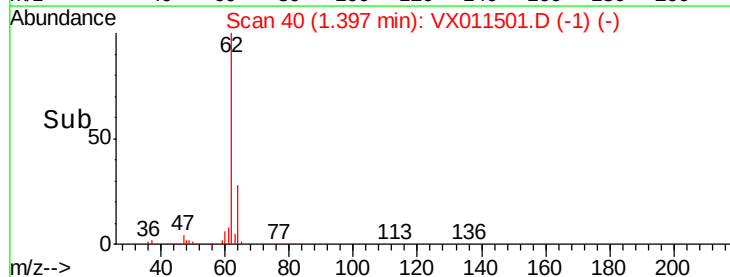
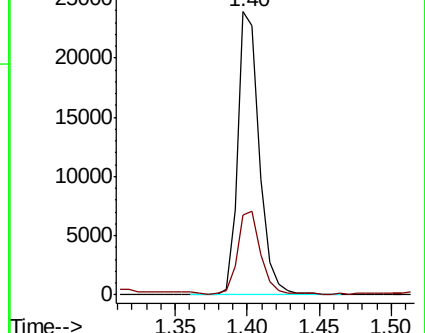
62 100

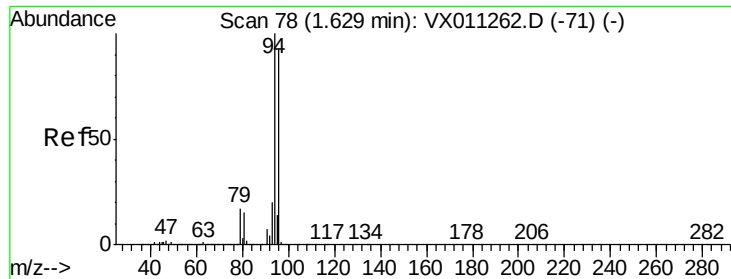
64 27.8 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 19.555 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

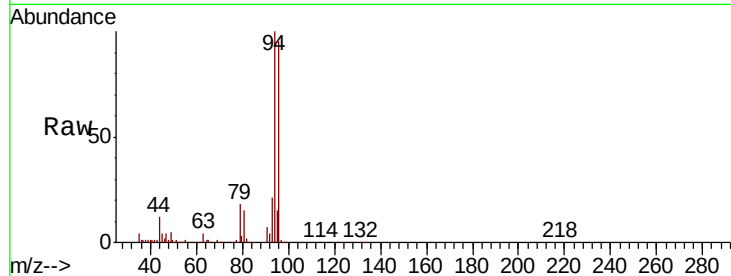
VX0812WBS02

Tgt Ion: 94 Resp: 19458

Ion Ratio Lower Upper

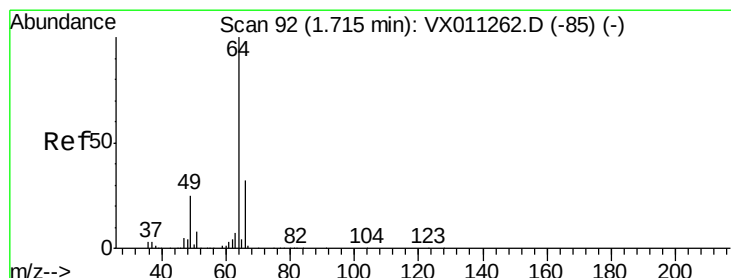
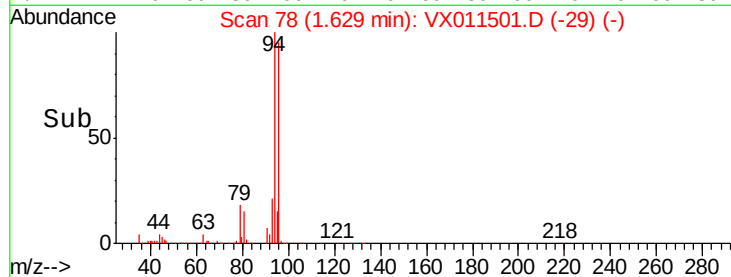
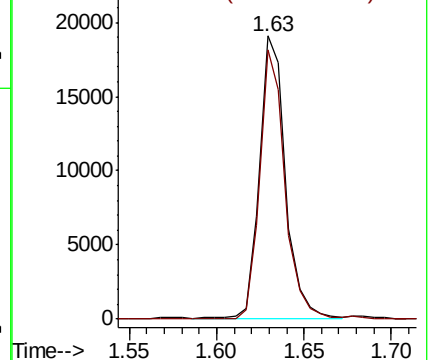
94 100

96 95.5 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.372 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011501.D

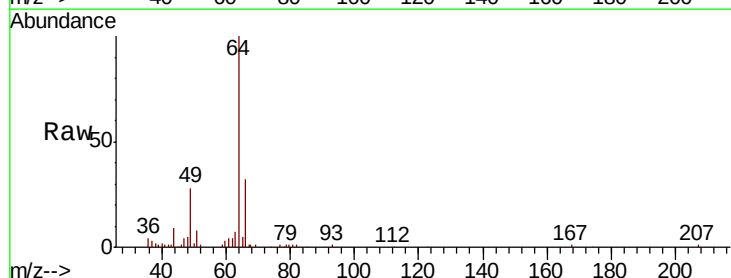
Acq: 12 Aug 2019 22:53

Tgt Ion: 64 Resp: 17300

Ion Ratio Lower Upper

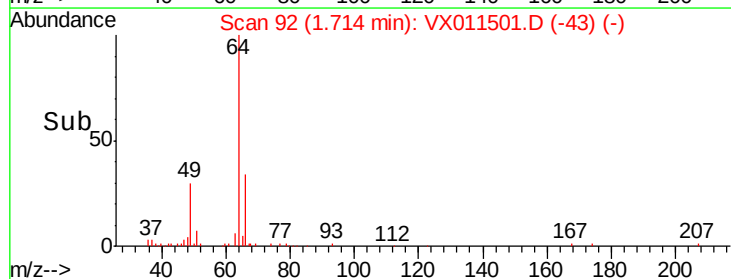
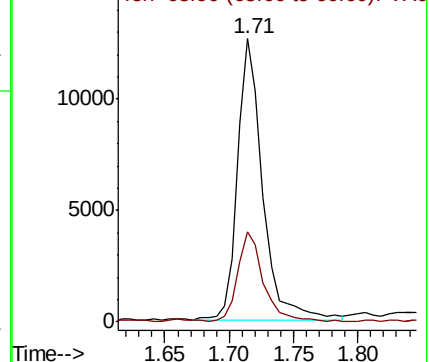
64 100

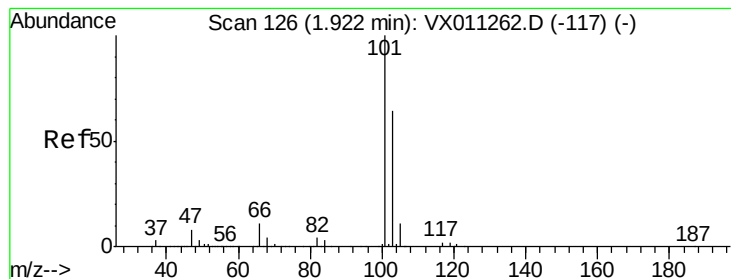
66 32.3 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



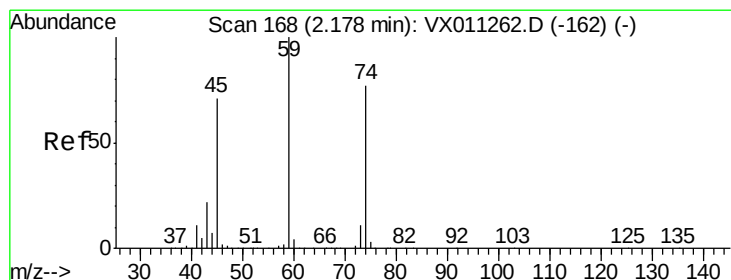
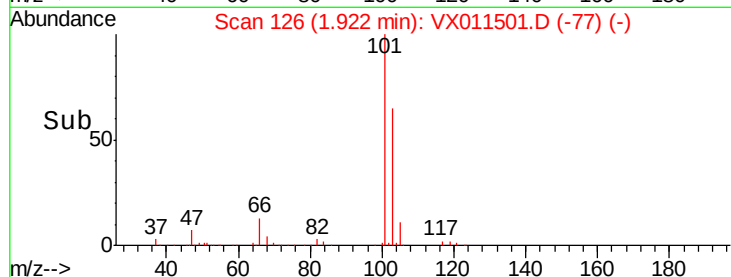
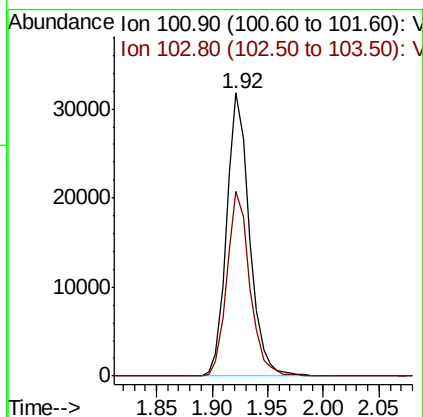
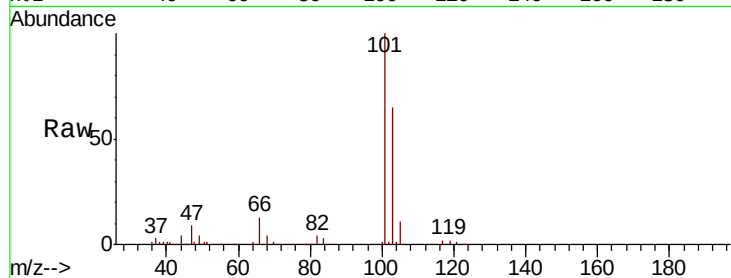


#7

Trichlorofluoromethane
 Concen: 18.180 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.00 min
 Lab File: VX011501.D
 Acq: 12 Aug 2019 22:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0812WBS02

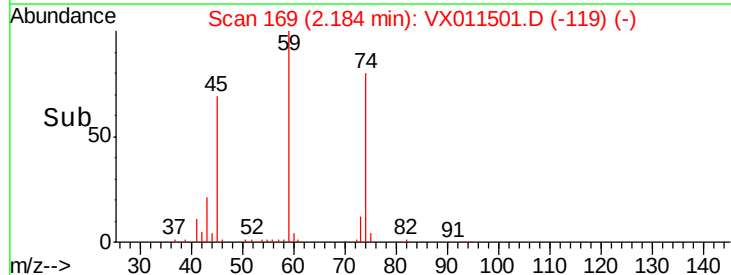
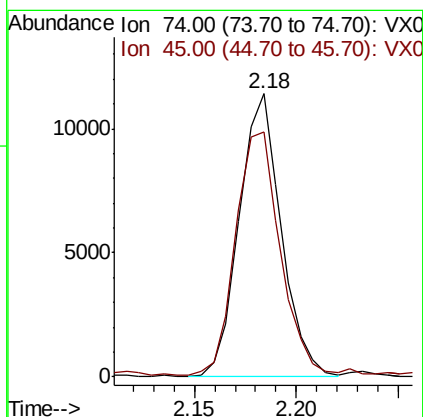
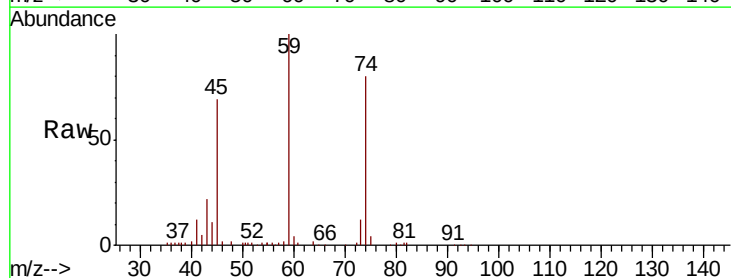
Tgt Ion: 101 Resp: 45098
 Ion Ratio Lower Upper
 101 100
 103 65.3 50.9 76.3

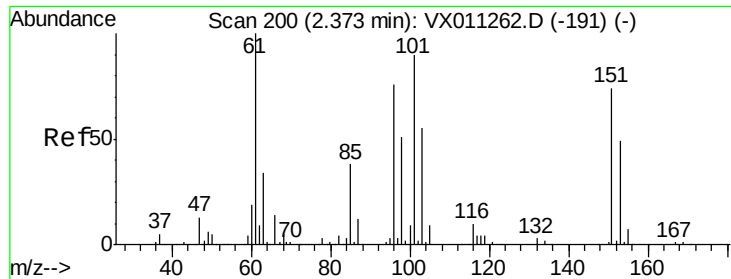


#8

Diethyl Ether
 Concen: 18.447 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. 0.01 min
 Lab File: VX011501.D
 Acq: 12 Aug 2019 22:53

Tgt Ion: 74 Resp: 16340
 Ion Ratio Lower Upper
 74 100
 45 91.1 46.1 138.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.471 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBS02

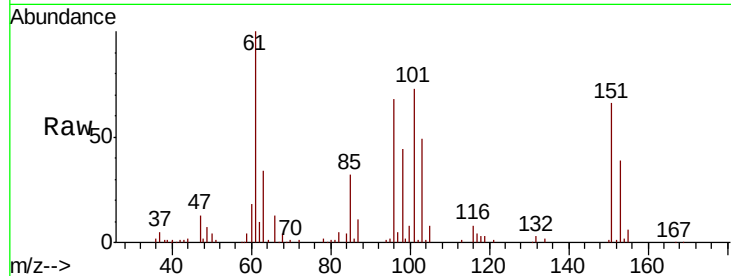
Tgt Ion:101 Resp: 26135

Ion Ratio Lower Upper

101 100

85 44.3 33.8 50.6

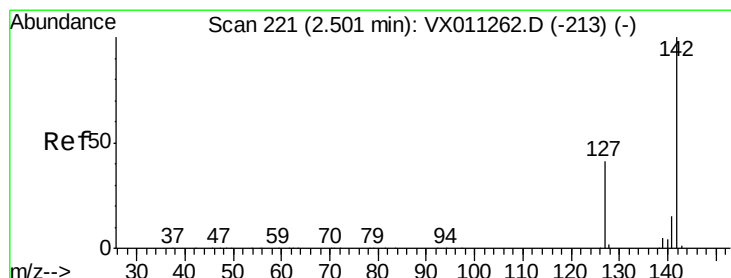
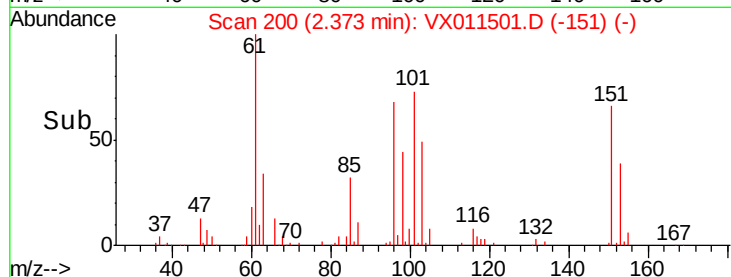
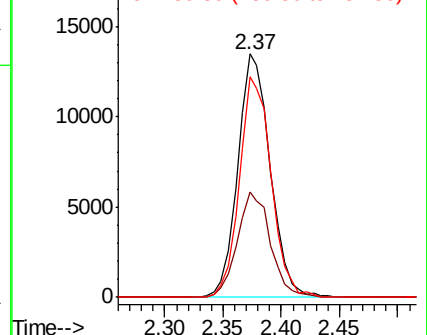
151 88.7 69.5 104.3



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: 15.308 ug/l

RT: 2.50 min Scan# 221

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

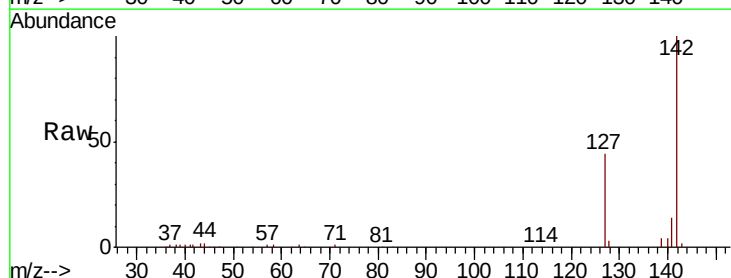
Tgt Ion:142 Resp: 25905

Ion Ratio Lower Upper

142 100

127 45.9 33.8 50.8

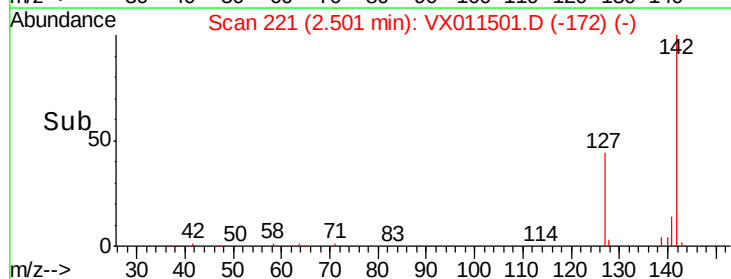
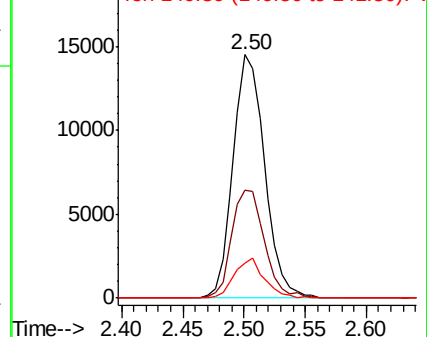
141 15.6 11.4 17.2

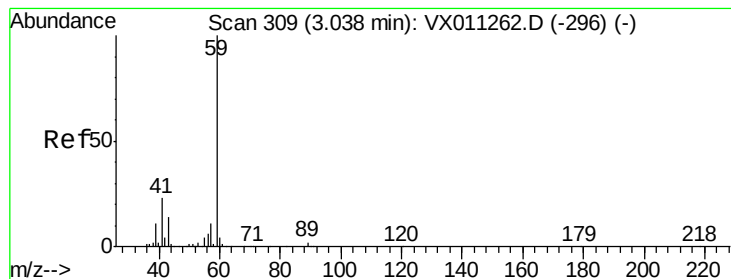


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



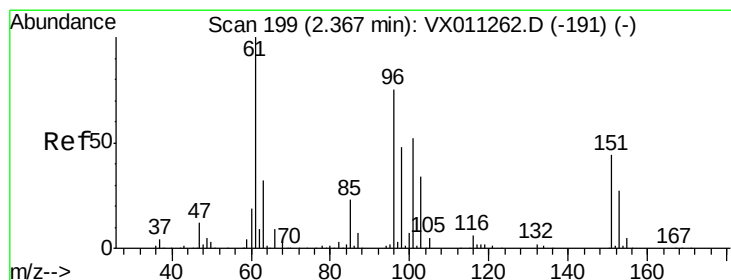
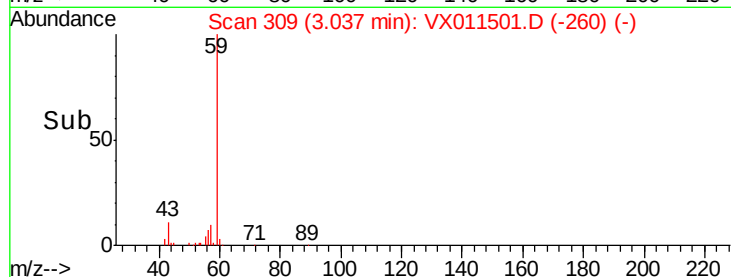
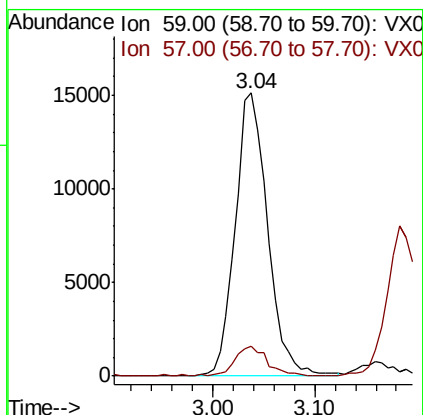
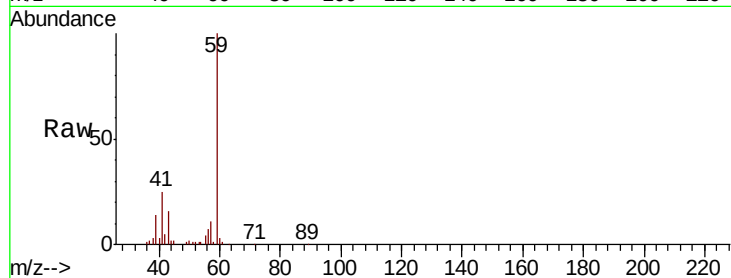


#11

Tert butyl alcohol
 Concen: 113.630 ug/l
 RT: 3.04 min Scan# 309
 Delta R.T. 0.00 min
 Lab File: VX011501.D
 Acq: 12 Aug 2019 22:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0812WBS02

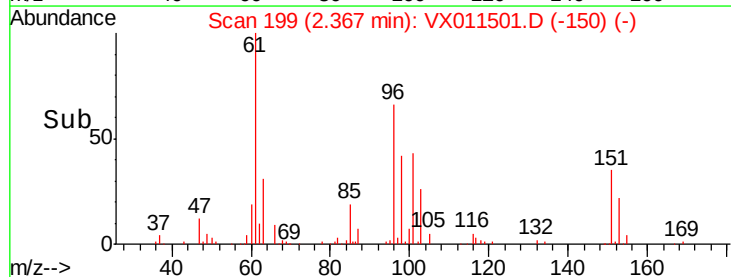
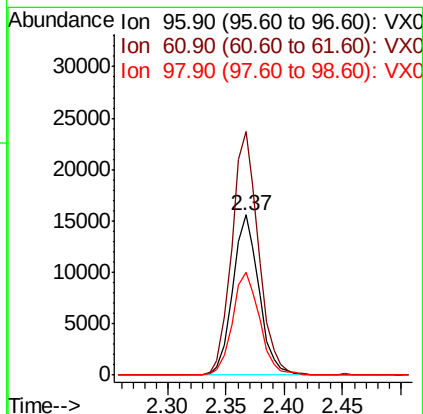
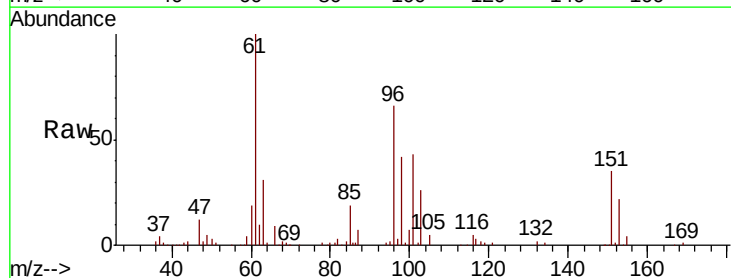
Tgt Ion: 59 Resp: 33366
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.3 12.5

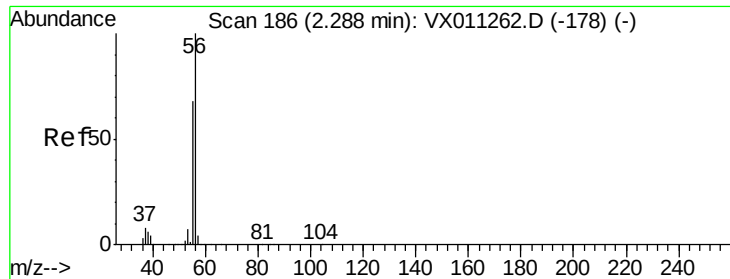


#12

1,1-Dichloroethene
 Concen: 18.499 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. -0.00 min
 Lab File: VX011501.D
 Acq: 12 Aug 2019 22:53

Tgt Ion: 96 Resp: 24614
 Ion Ratio Lower Upper
 96 100
 61 152.1 106.2 159.2
 98 63.8 50.6 75.8





#13

Acrolein

Concen: 82.774 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

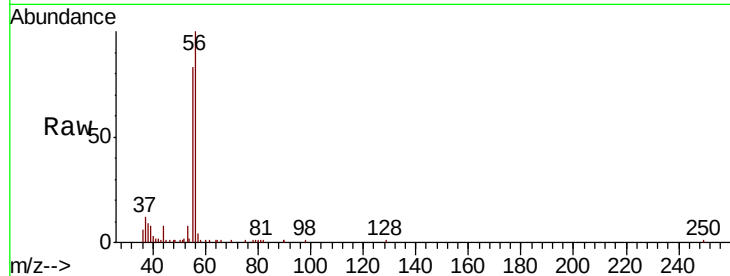
VX0812WBS02

Tgt Ion: 56 Resp: 15158

Ion Ratio Lower Upper

56 100

55 76.0 56.0 84.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

10000

8000

6000

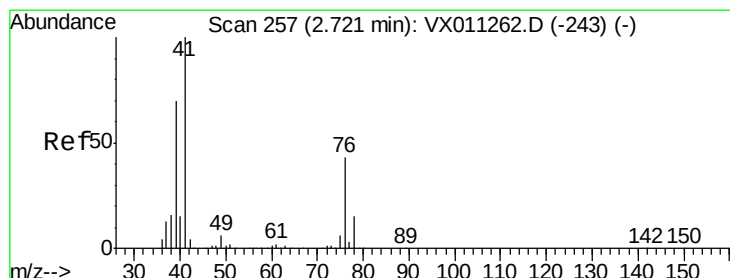
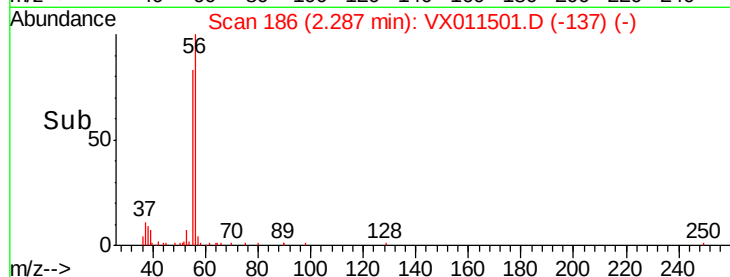
4000

2000

0

Time-->

2.20 2.25 2.30 2.35 2.40



#14

Allyl chloride

Concen: 21.206 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

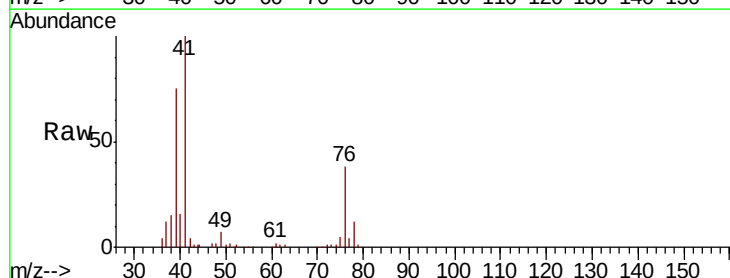
Tgt Ion: 41 Resp: 37615

Ion Ratio Lower Upper

41 100

39 69.1 52.8 79.2

76 34.3 31.1 46.7



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

25000

20000

15000

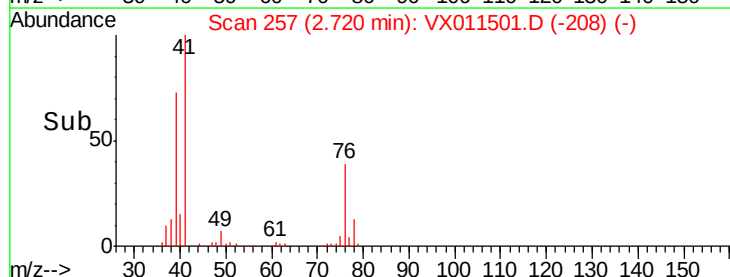
10000

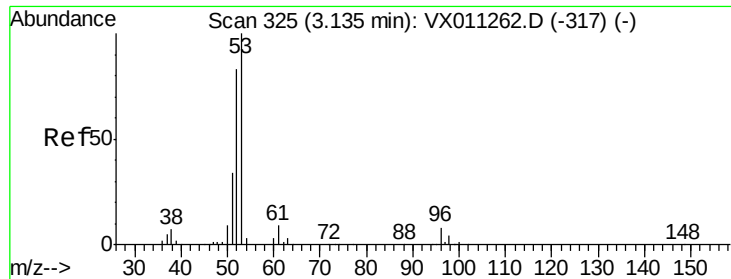
5000

0

Time-->

2.60 2.70 2.80





#15

Acrylonitrile

Concen: 111.266 ug/l

RT: 3.13 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBS02

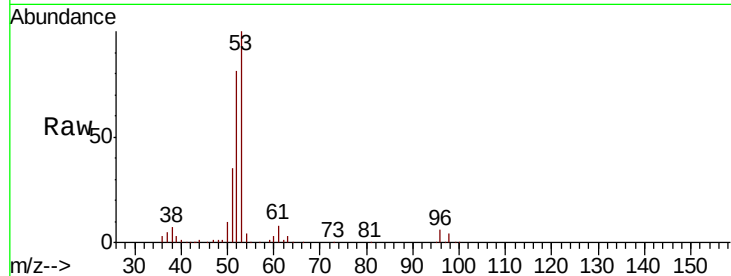
Tgt Ion: 53 Resp: 77974

Ion Ratio Lower Upper

53 100

52 81.4 65.5 98.3

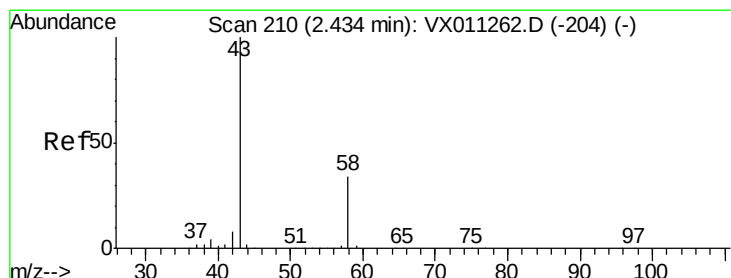
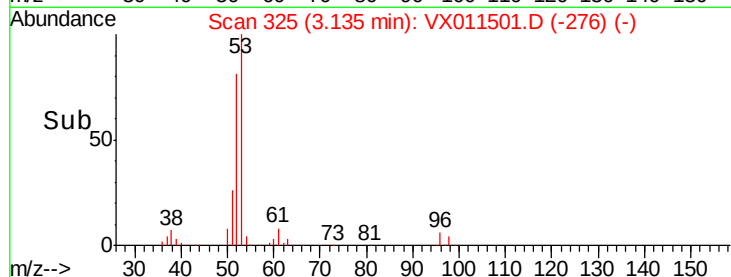
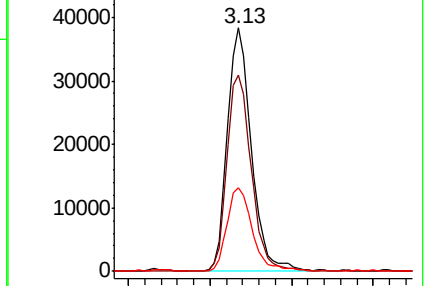
51 35.7 27.9 41.9



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: 99.919 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX011501.D

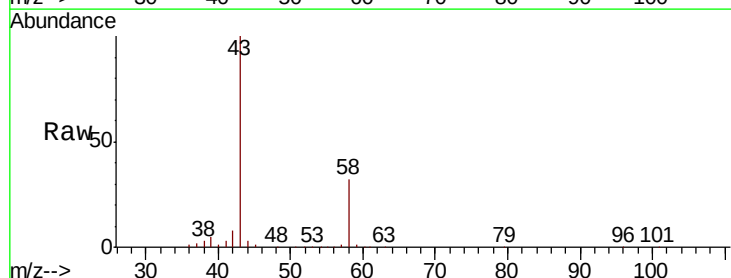
Acq: 12 Aug 2019 22:53

Tgt Ion: 43 Resp: 70041

Ion Ratio Lower Upper

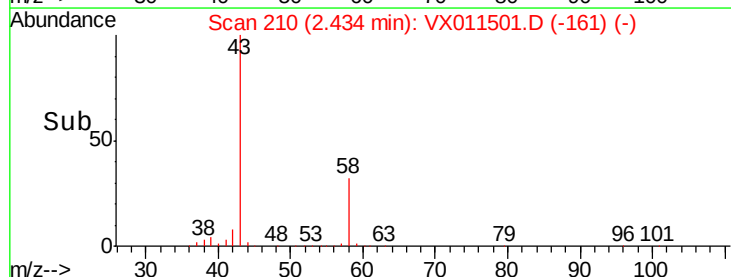
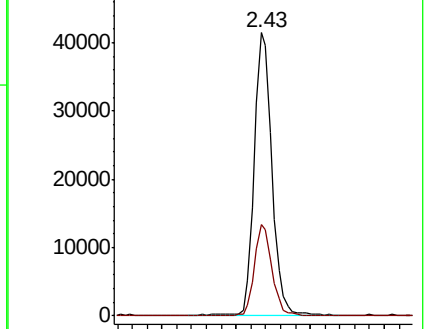
43 100

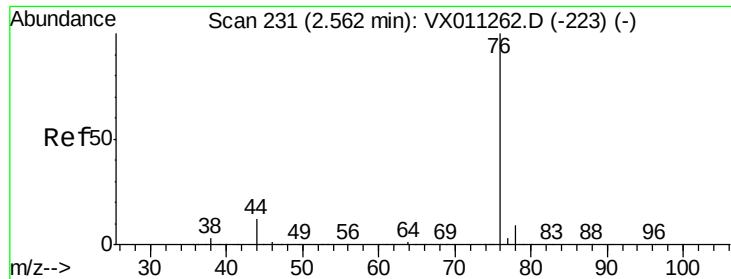
58 32.2 27.4 41.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 17.033 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

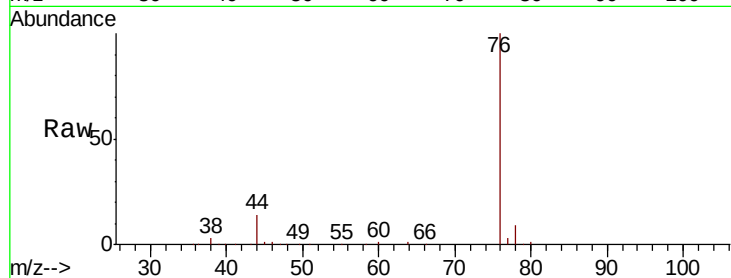
VX0812WBS02

Tgt Ion: 76 Resp: 53182

Ion Ratio Lower Upper

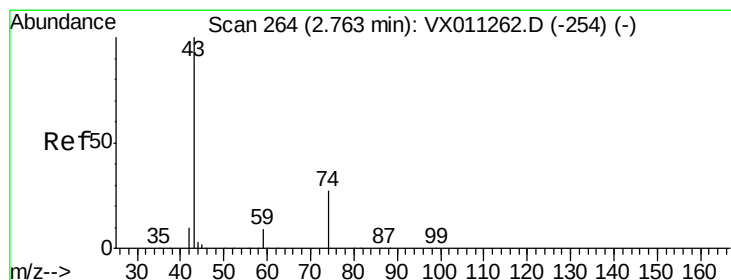
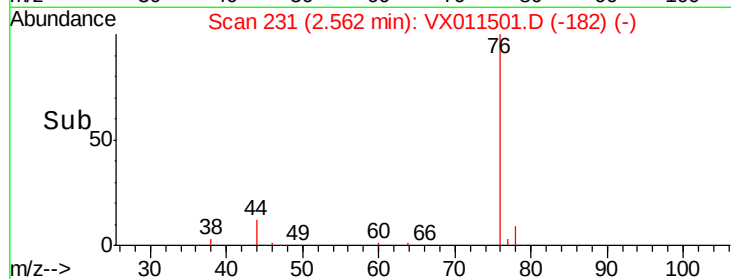
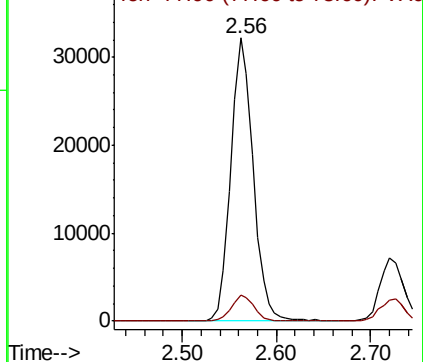
76 100

78 9.0 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 23.445 ug/l

RT: 2.76 min Scan# 264

Delta R.T. -0.00 min

Lab File: VX011501.D

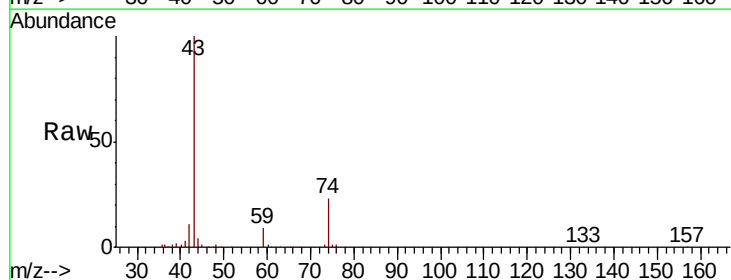
Acq: 12 Aug 2019 22:53

Tgt Ion: 43 Resp: 37557

Ion Ratio Lower Upper

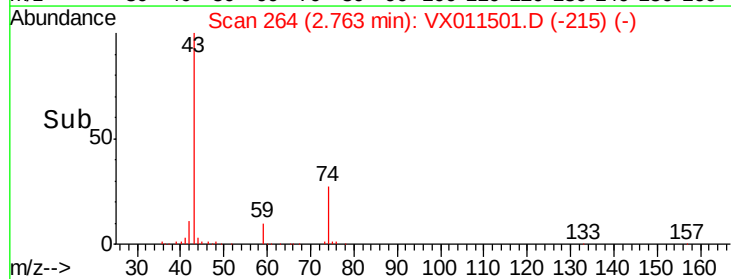
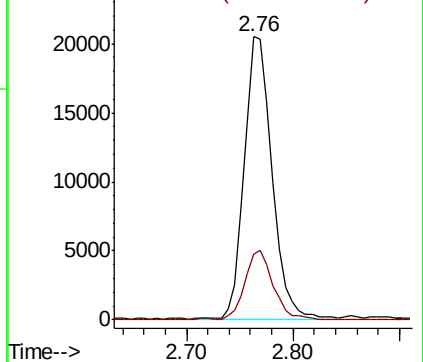
43 100

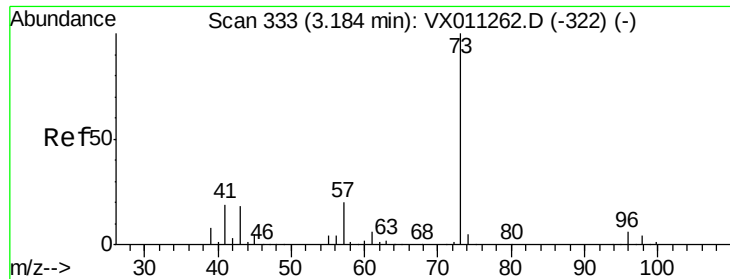
74 25.3 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



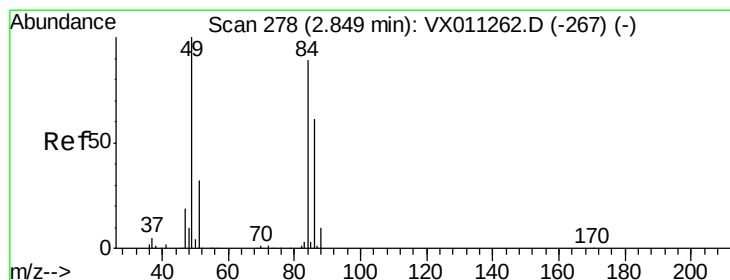
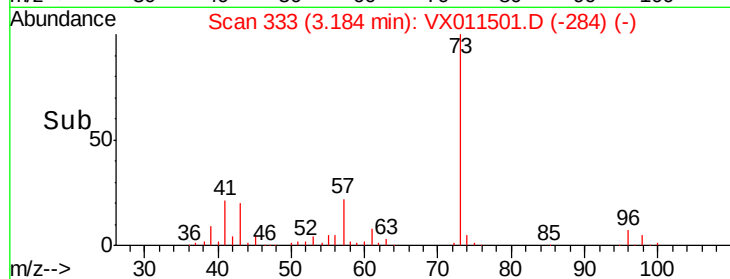
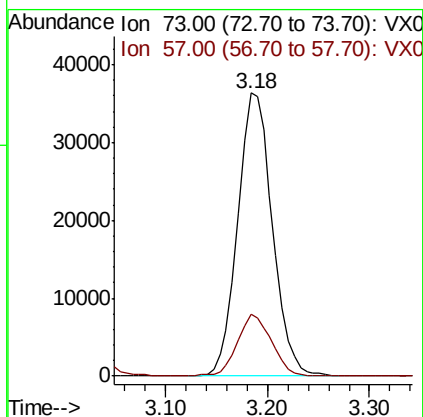
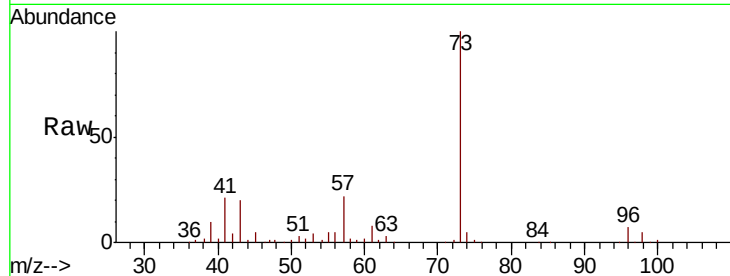


#19

Methyl tert-butyl Ether
 Concen: 21.858 ug/l
 RT: 3.18 min Scan# 333
 Delta R.T. -0.00 min
 Lab File: VX011501.D
 Acq: 12 Aug 2019 22:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0812WBS02

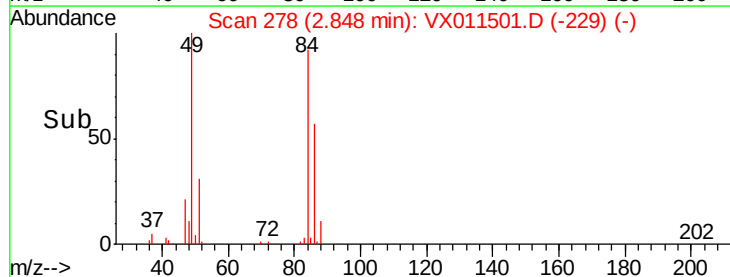
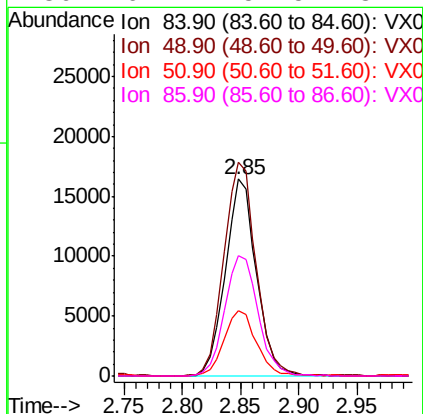
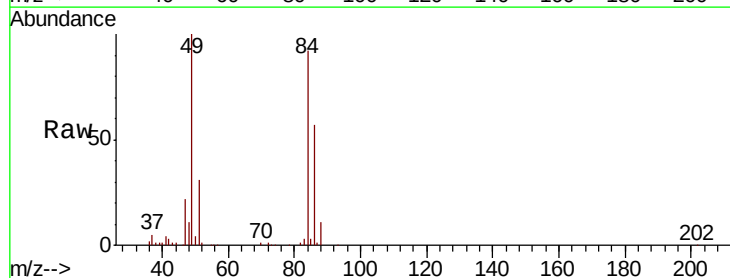
Tgt Ion: 73 Resp: 85705
 Ion Ratio Lower Upper
 73 100
 57 22.0 16.2 24.2

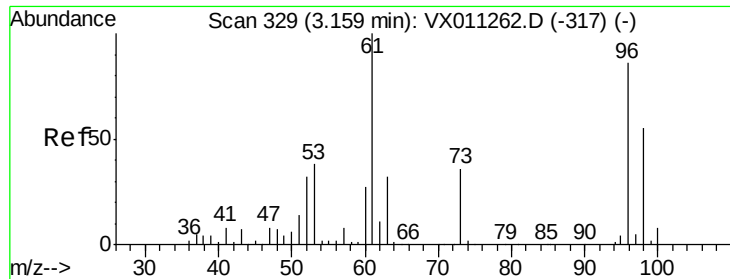


#20

Methylene Chloride
 Concen: 19.783 ug/l
 RT: 2.85 min Scan# 278
 Delta R.T. -0.00 min
 Lab File: VX011501.D
 Acq: 12 Aug 2019 22:53

Tgt Ion: 84 Resp: 30370
 Ion Ratio Lower Upper
 84 100
 49 107.9 89.3 133.9
 51 33.5 28.3 42.5
 86 61.4 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 19.108 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBS02

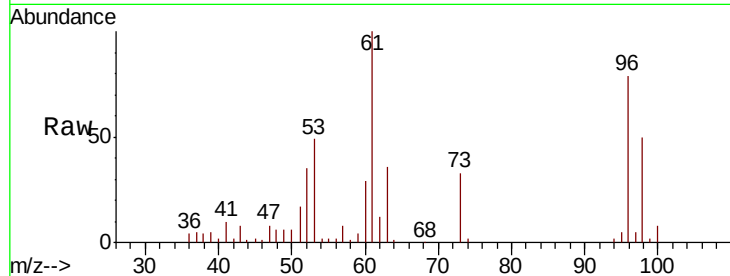
Tgt Ion: 96 Resp: 26894

Ion Ratio Lower Upper

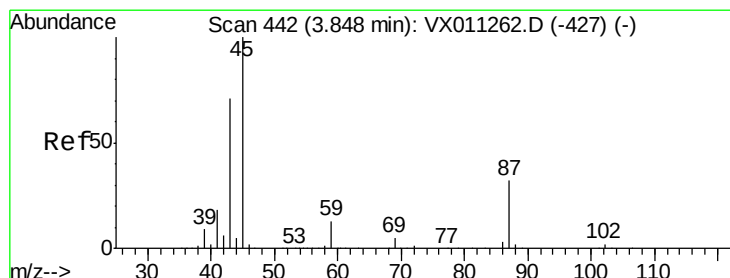
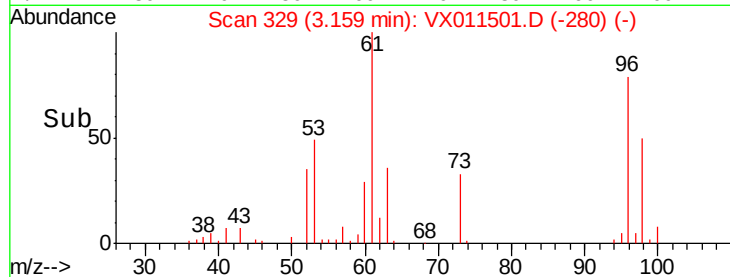
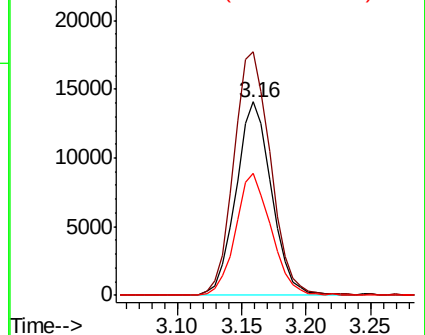
96 100

61 125.4 92.8 139.2

98 63.4 51.2 76.8



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: 21.444 ug/l

RT: 3.85 min Scan# 442

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Tgt Ion: 45 Resp: 83601

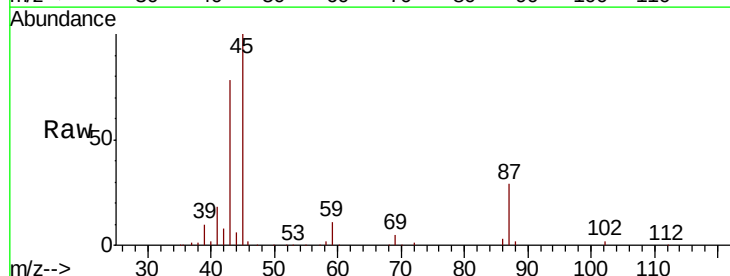
Ion Ratio Lower Upper

45 100

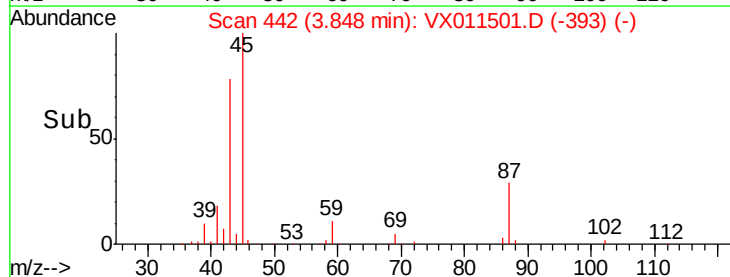
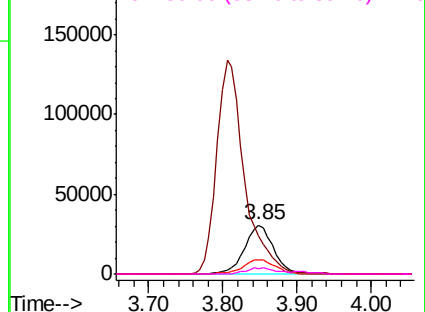
43 77.5 56.8 85.2

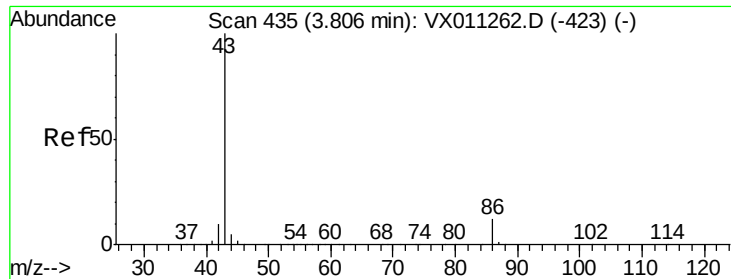
87 29.3 25.8 38.6

59 11.1 10.3 15.5



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: 107.583 ug/l

RT: 3.81 min Scan# 435

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

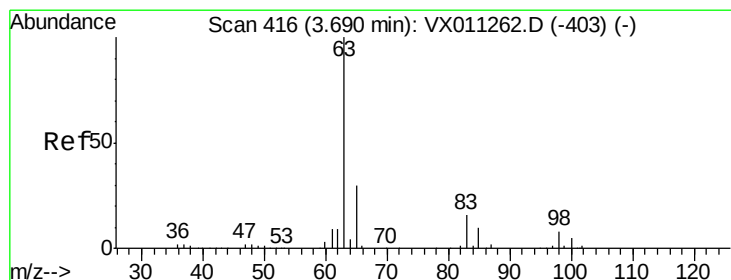
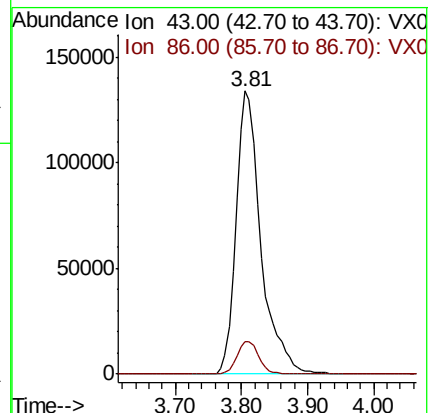
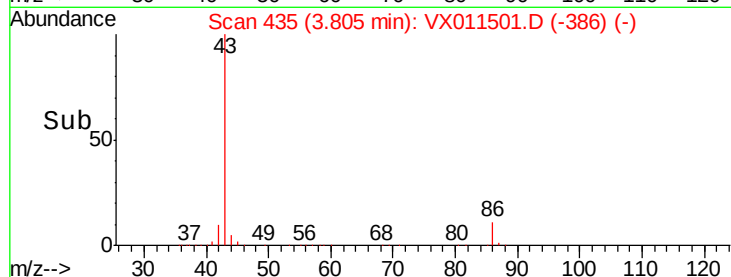
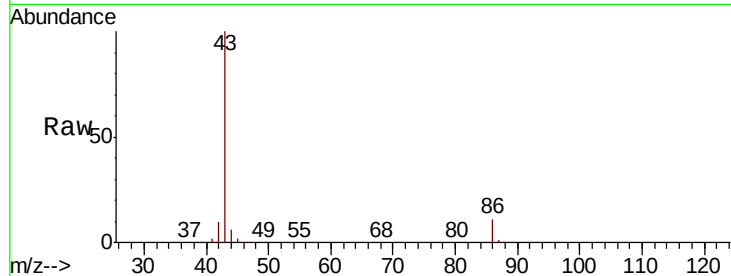
VX0812WBS02

Tgt Ion: 43 Resp: 347862

Ion Ratio Lower Upper

43 100

86 11.4 9.6 14.4



#24

1,1-Dichloroethane

Concen: 21.121 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

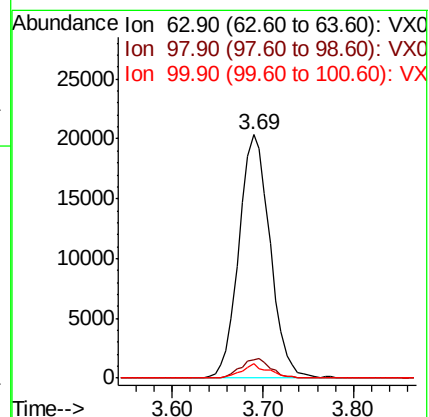
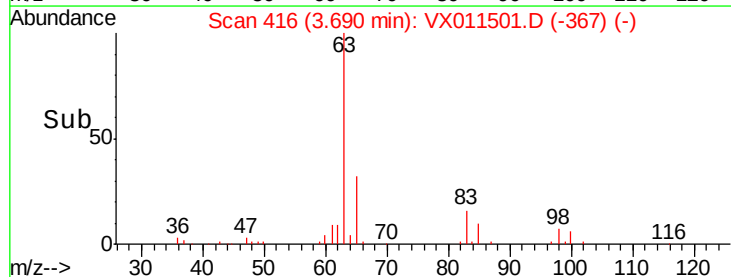
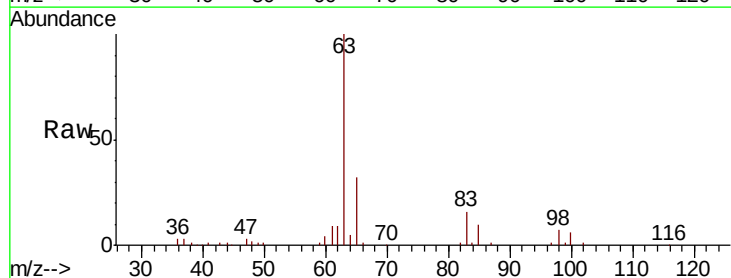
Tgt Ion: 63 Resp: 48552

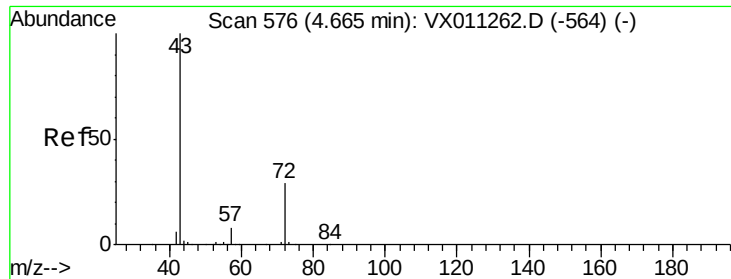
Ion Ratio Lower Upper

63 100

98 7.4 3.9 11.5

100 5.8 2.7 8.1





#25

2-Butanone

Concen: 107.193 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

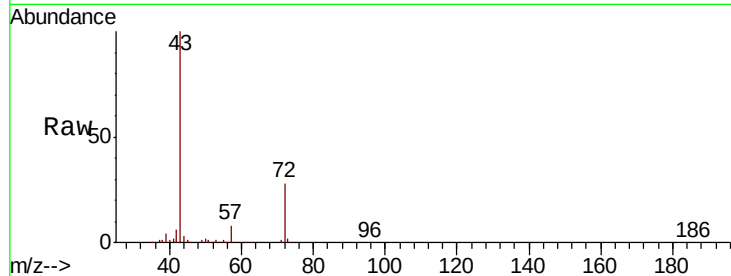
VX0812WBS02

Tgt Ion: 43 Resp: 106887

Ion Ratio Lower Upper

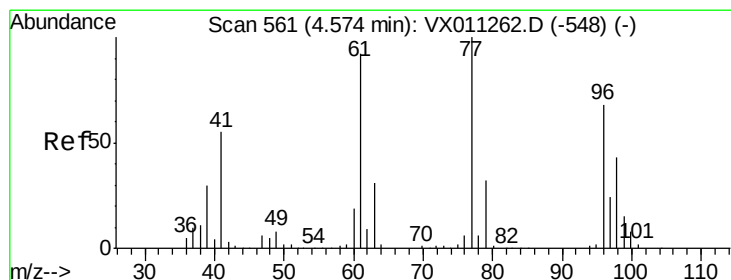
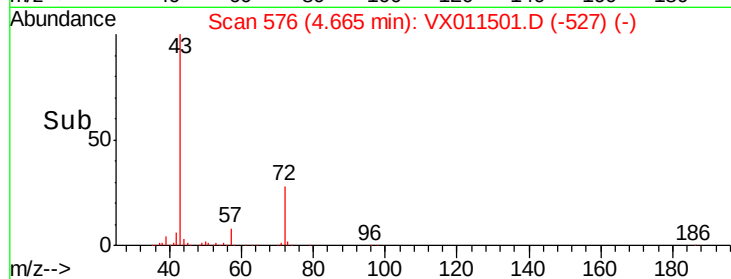
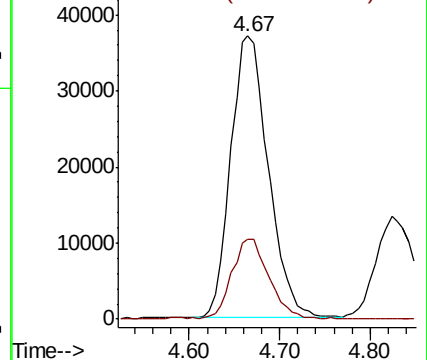
43 100

72 28.1 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 16.836 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.01 min

Lab File: VX011501.D

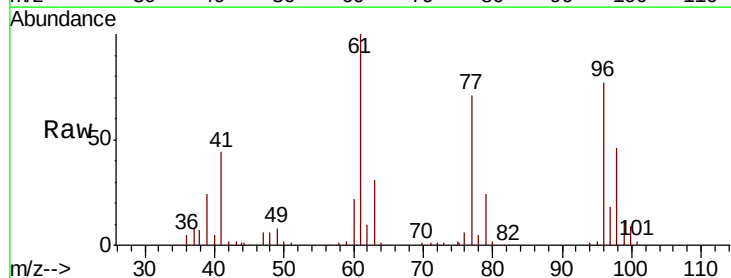
Acq: 12 Aug 2019 22:53

Tgt Ion: 77 Resp: 30086

Ion Ratio Lower Upper

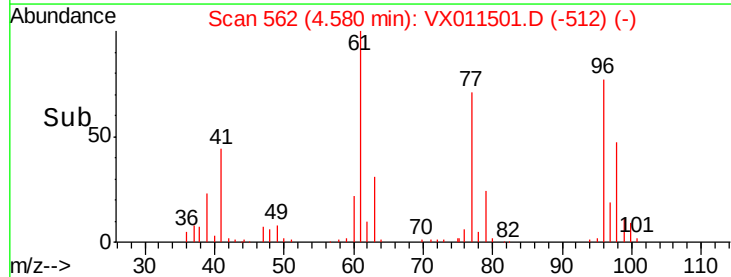
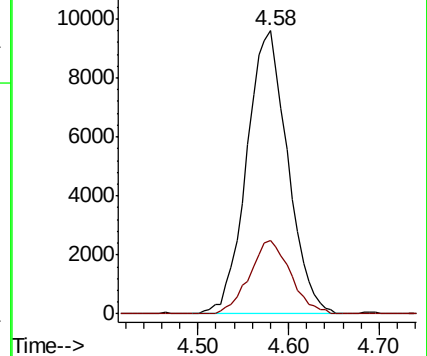
77 100

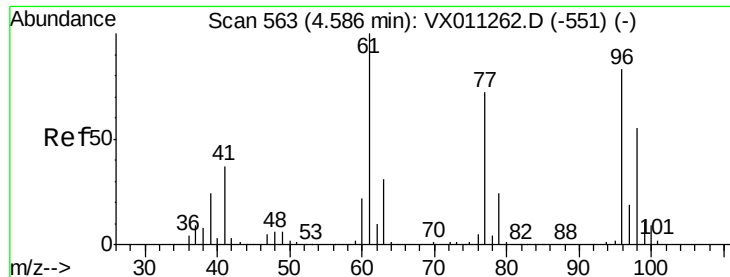
97 25.9 12.8 38.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



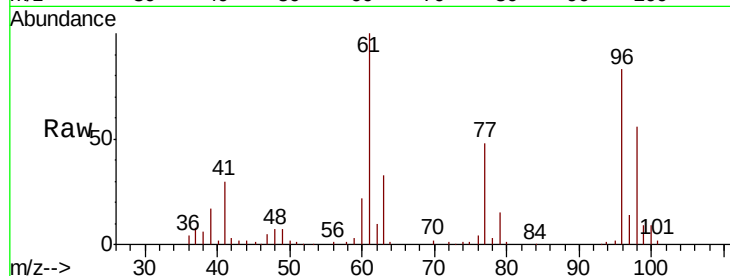


#27

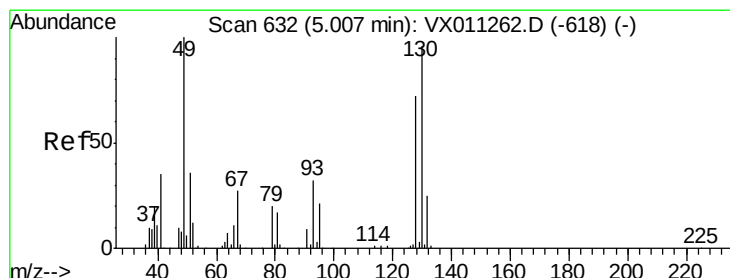
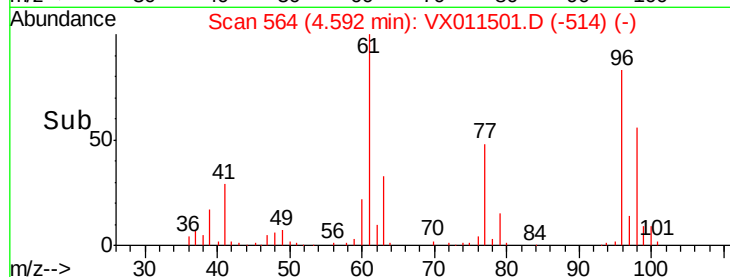
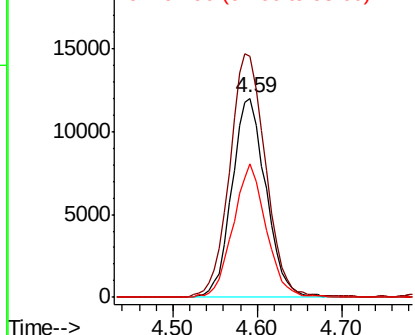
cis-1,2-Dichloroethene
 Concen: 20.237 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. 0.01 min
 Lab File: VX011501.D
 Acq: 12 Aug 2019 22:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0812WBS02

Tgt Ion: 96 Resp: 32807
 Ion Ratio Lower Upper
 96 100
 61 129.4 0.0 260.2
 98 64.5 0.0 133.2



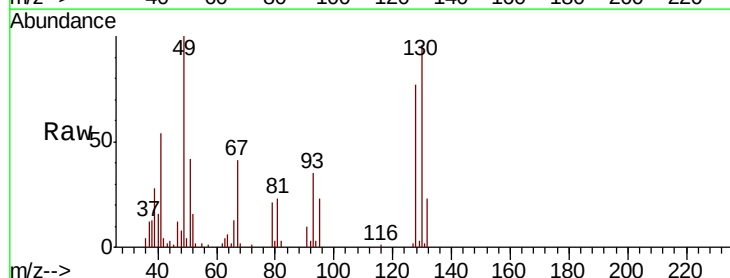
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



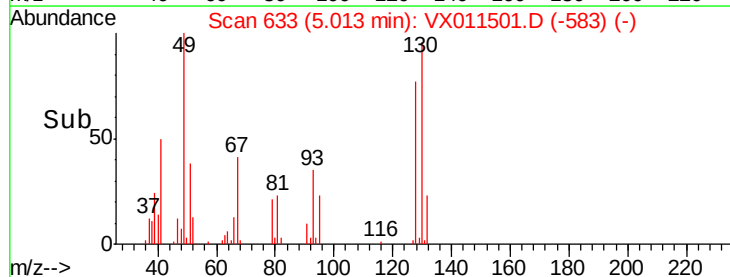
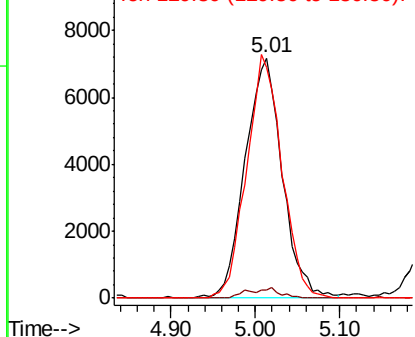
#28

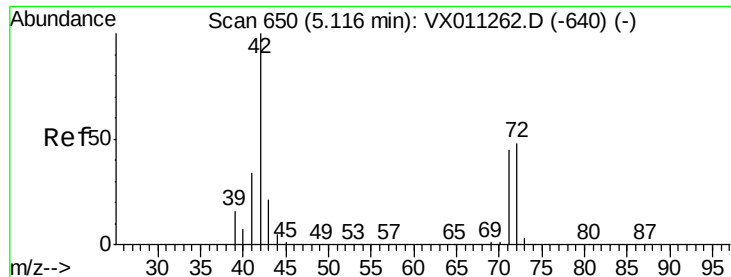
Bromochloromethane
 Concen: 20.521 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. 0.01 min
 Lab File: VX011501.D
 Acq: 12 Aug 2019 22:53

Tgt Ion: 49 Resp: 21506
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 5.8
 130 96.2 77.9 116.9



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

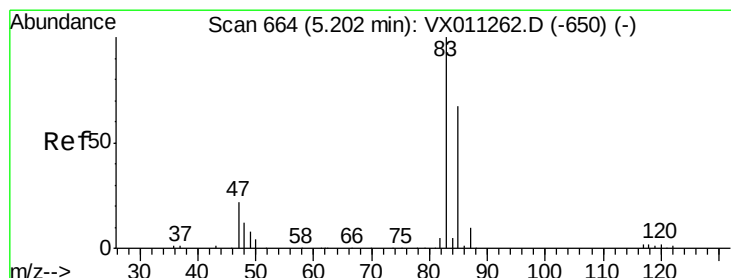
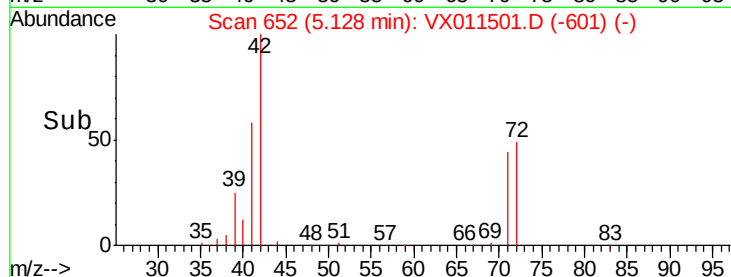
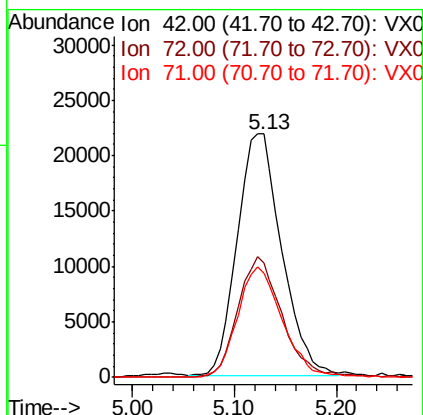
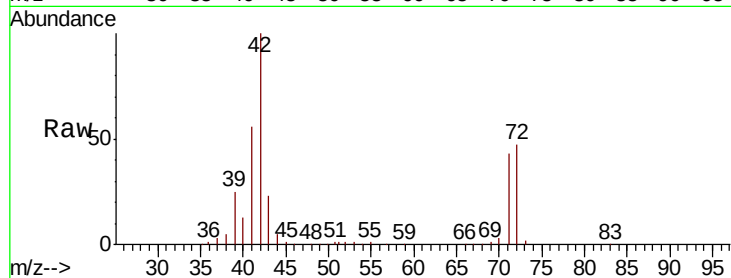




#29
Tetrahydrofuran
Concen: 107.658 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.01 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

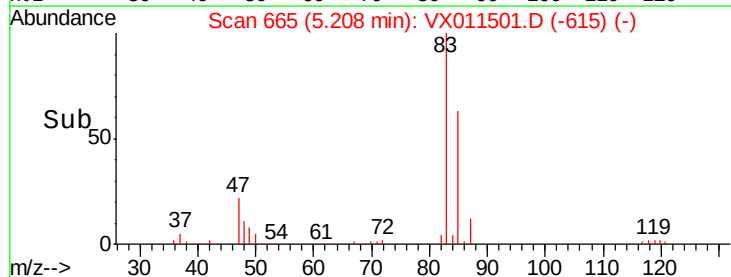
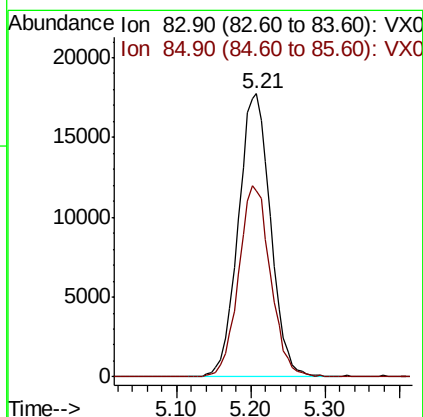
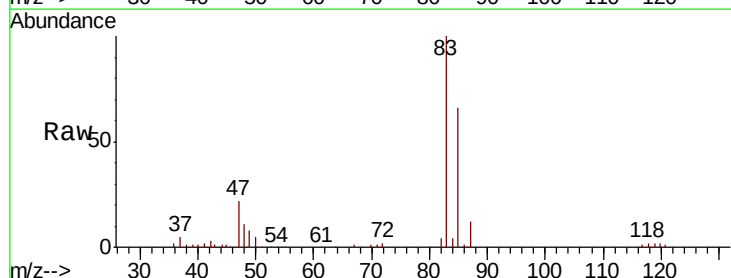
Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS02

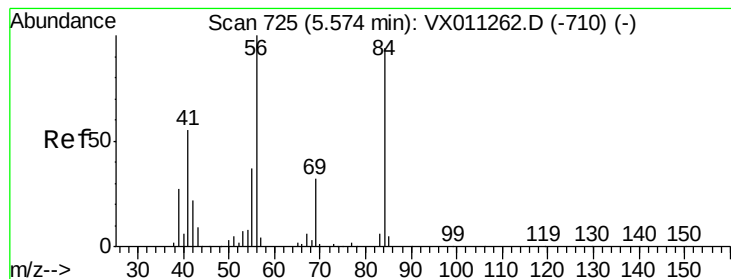
Tgt Ion: 42 Resp: 65822
Ion Ratio Lower Upper
42 100
72 49.8 39.9 59.9
71 46.3 36.9 55.3



#30
Chloroform
Concen: 21.621 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.01 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

Tgt Ion: 83 Resp: 54020
Ion Ratio Lower Upper
83 100
85 65.6 53.4 80.0





#31

Cyclohexane

Concen: 19.107 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBS02

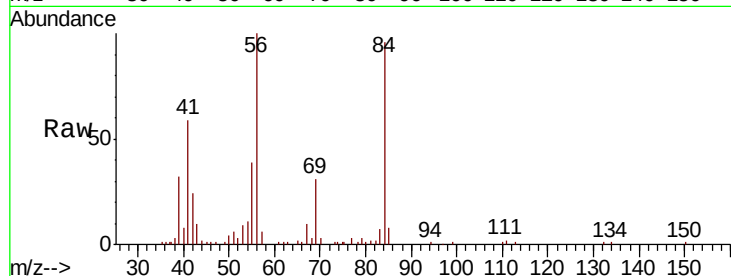
Tgt Ion: 56 Resp: 36237

Ion Ratio Lower Upper

56 100

69 31.4 25.5 38.3

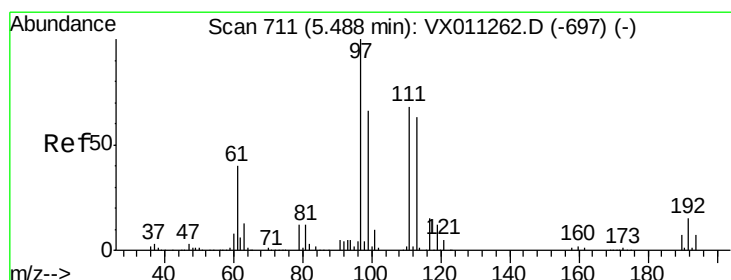
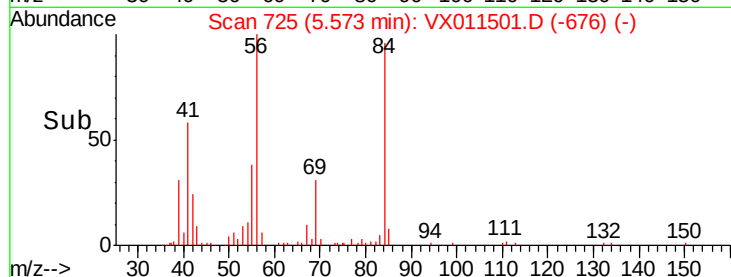
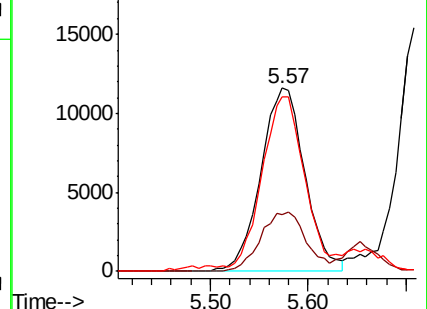
84 92.7 75.0 112.4



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: 21.734 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

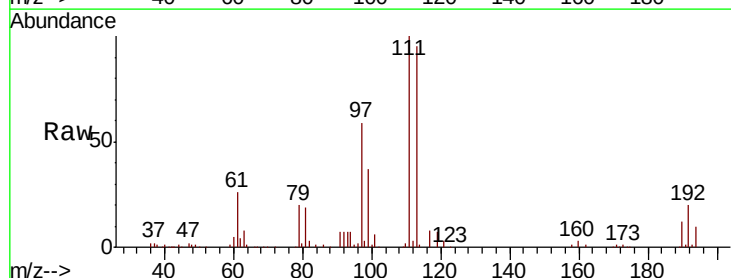
Tgt Ion: 97 Resp: 46516

Ion Ratio Lower Upper

97 100

99 63.9 51.6 77.4

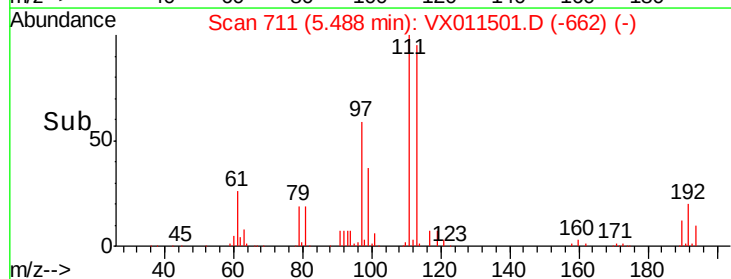
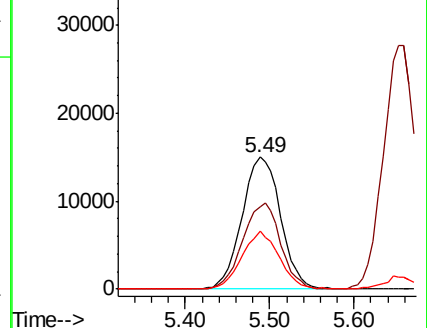
61 42.5 32.3 48.5

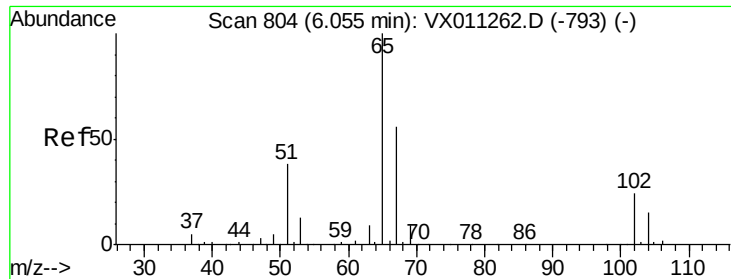


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

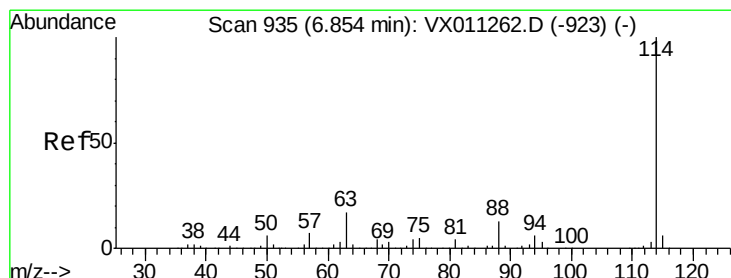
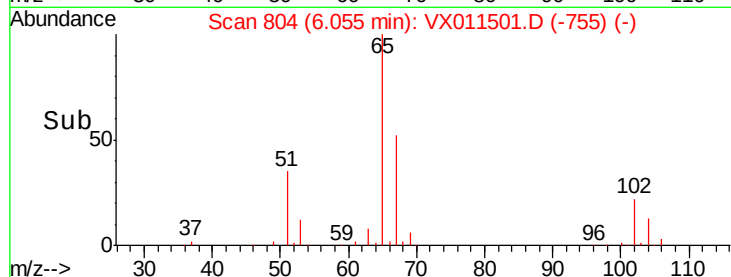
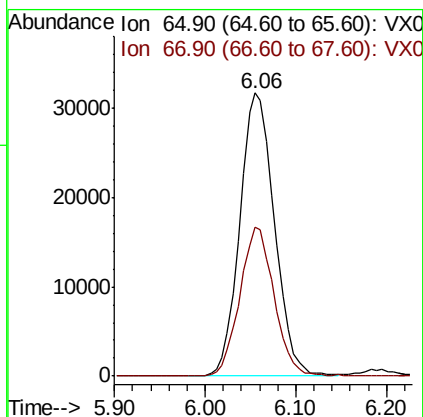
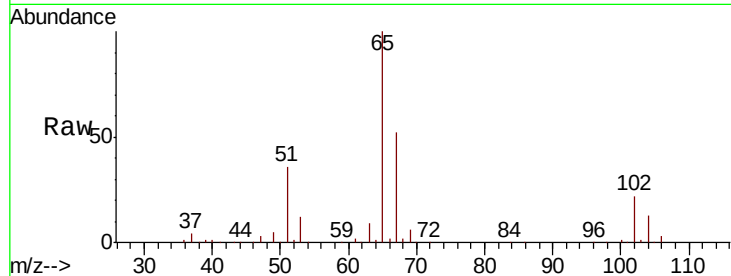




#33
 1,2-Dichloroethane-d4
 Concen: 56.903 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX011501.D
 Acq: 12 Aug 2019 22:53

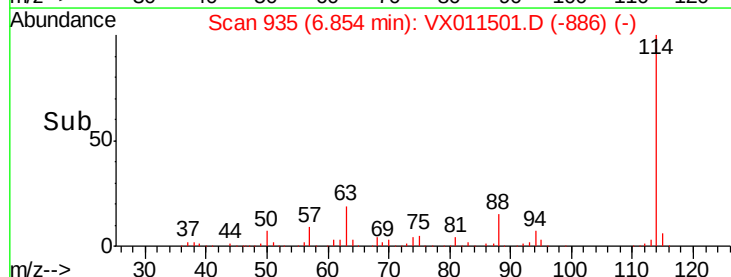
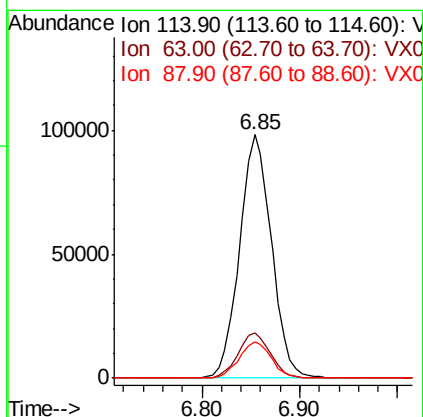
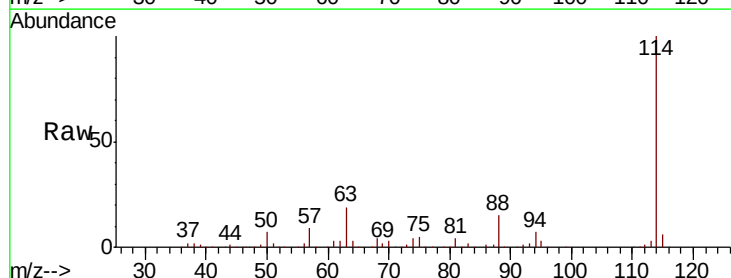
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0812WBS02

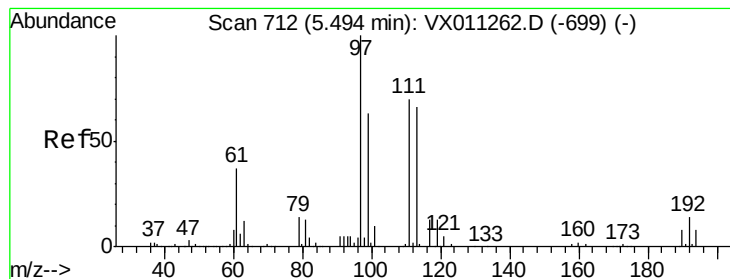
Tgt Ion: 65 Resp: 83801
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.00 min
 Lab File: VX011501.D
 Acq: 12 Aug 2019 22:53

Tgt Ion: 114 Resp: 222766
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 34.0
 88 15.0 0.0 26.4





#35

Dibromofluoromethane

Concen: 49.670 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBS02

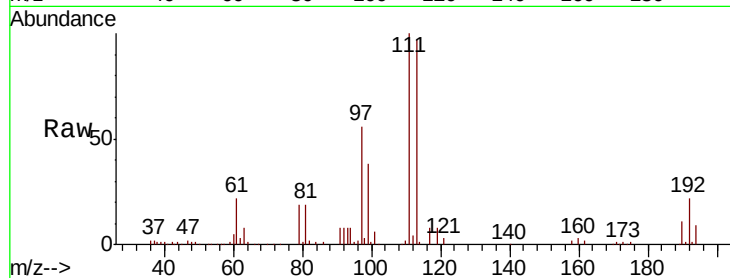
Tgt Ion:113 Resp: 72239

Ion Ratio Lower Upper

113 100

111 101.5 81.9 122.9

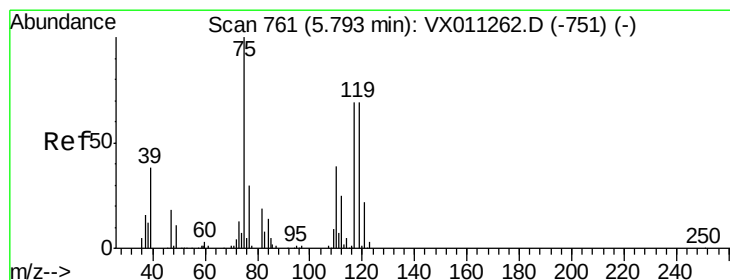
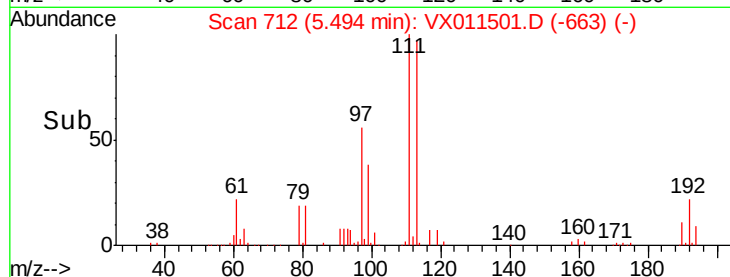
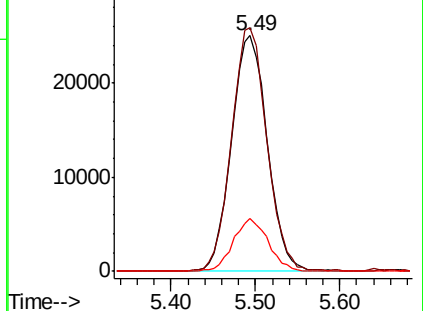
192 21.7 17.8 26.8



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: 19.192 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

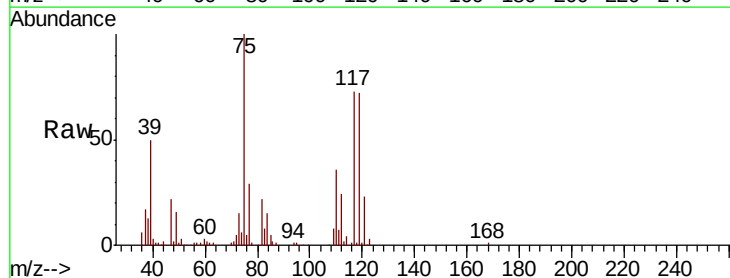
Tgt Ion: 75 Resp: 37327

Ion Ratio Lower Upper

75 100

110 38.8 20.0 59.9

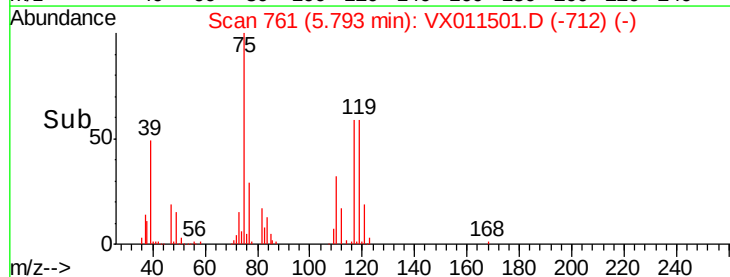
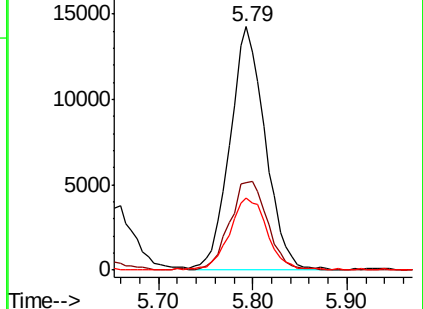
77 31.6 24.8 37.2

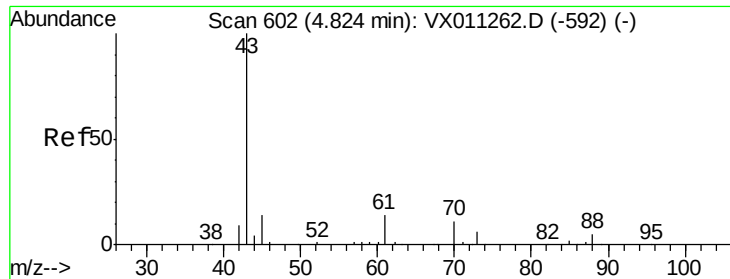


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

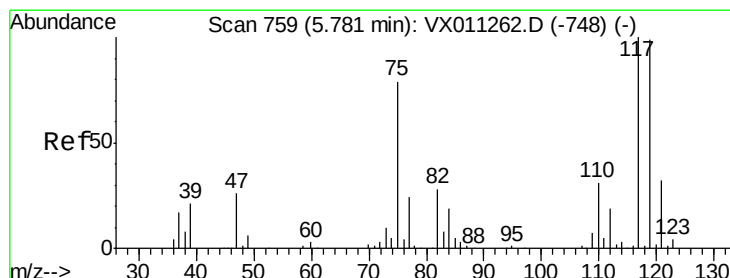
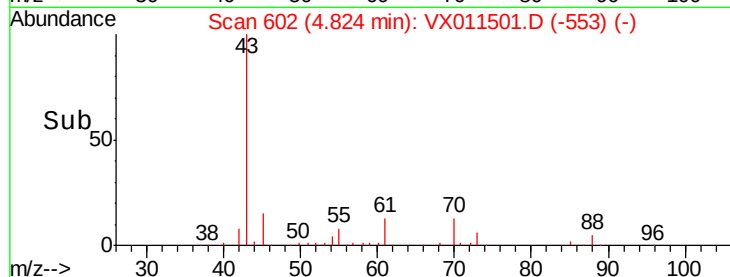
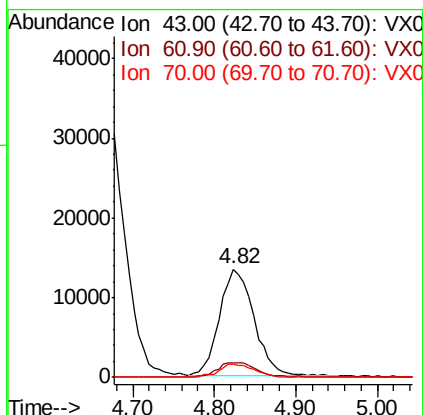
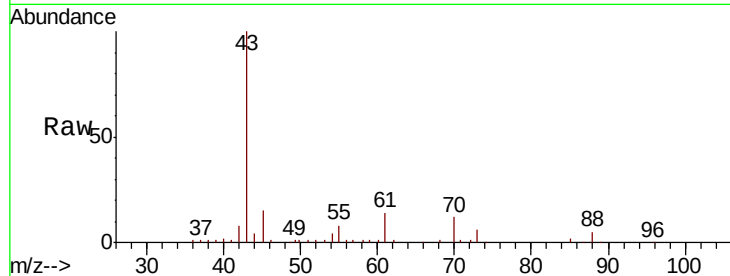




#37
Ethyl Acetate
Concen: 20.338 ug/l
RT: 4.82 min Scan# 602
Delta R.T. -0.00 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

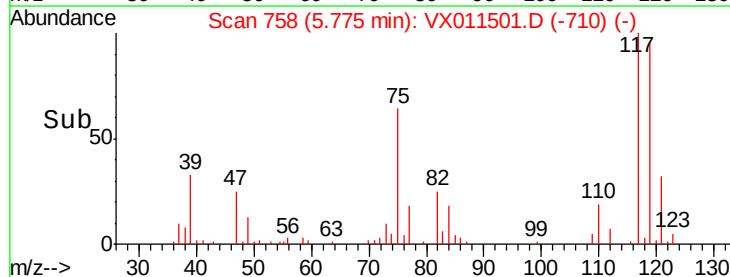
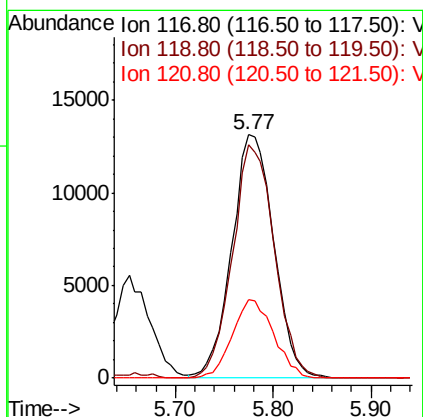
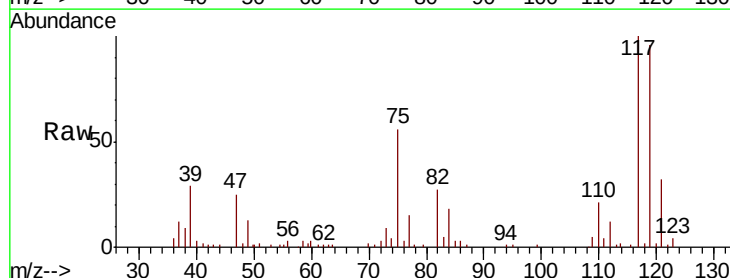
Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS02

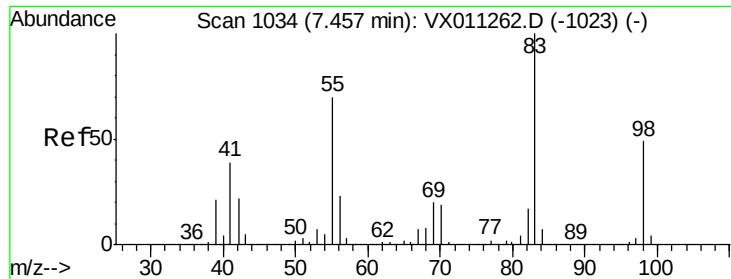
Tgt Ion: 43 Resp: 39678
Ion Ratio Lower Upper
43 100
61 15.9 12.6 18.8
70 12.6 9.1 13.7



#38
Carbon Tetrachloride
Concen: 19.990 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

Tgt Ion: 117 Resp: 39116
Ion Ratio Lower Upper
117 100
119 96.1 79.0 118.4
121 32.1 25.9 38.9

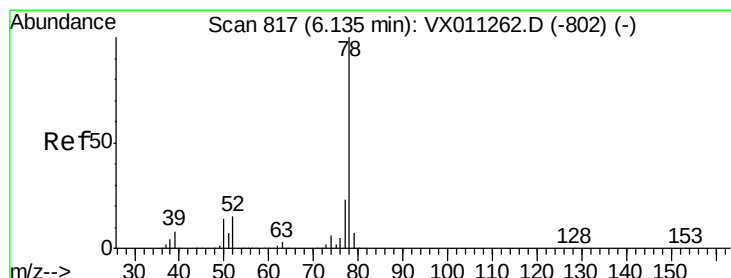
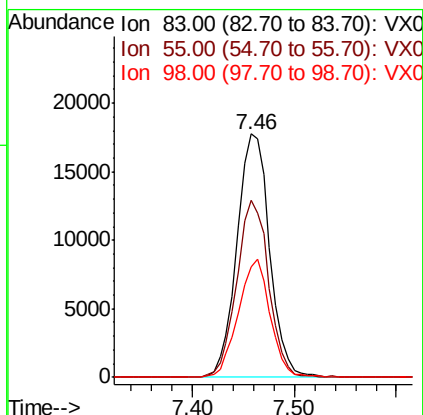
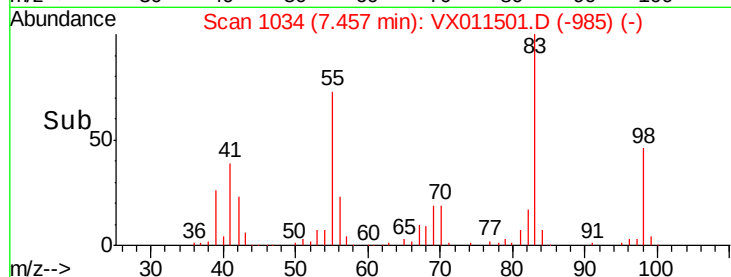
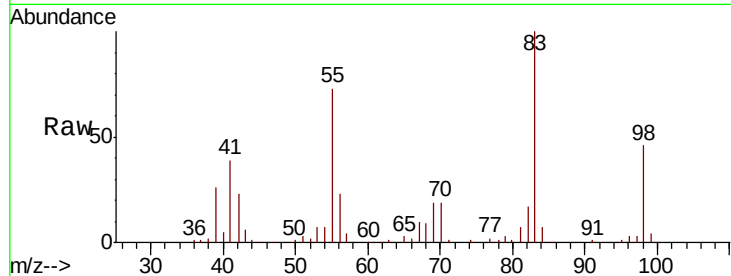




#39
Methylcyclohexane
Concen: 17.088 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

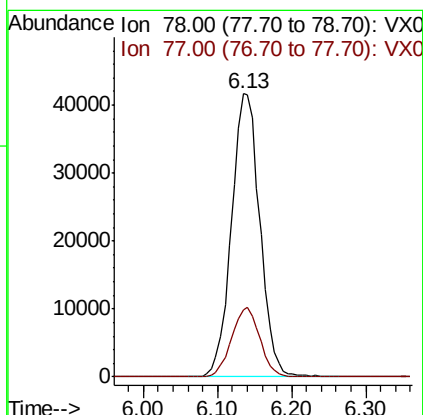
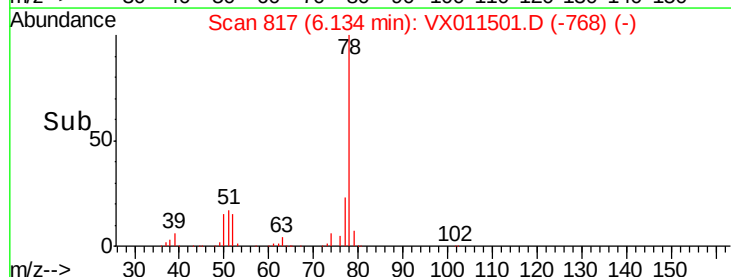
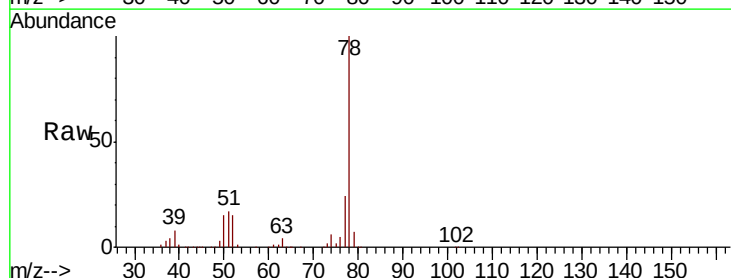
Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS02

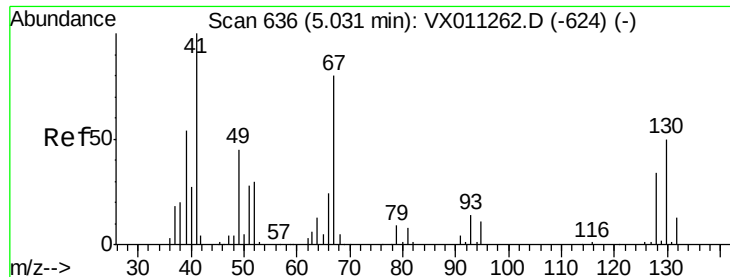
Tgt Ion	Ratio	Lower	Upper
83	100		
55	72.6	56.1	84.1
98	45.6	39.0	58.4



#40
Benzene
Concen: 19.159 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.00 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.2	27.2

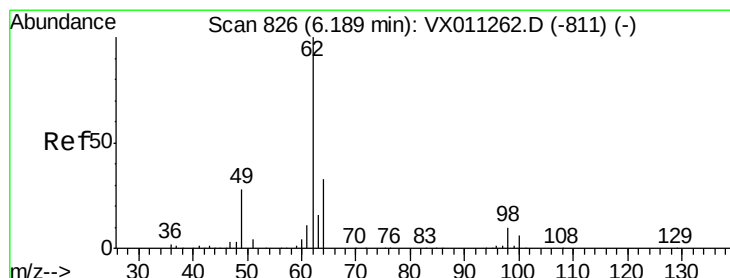
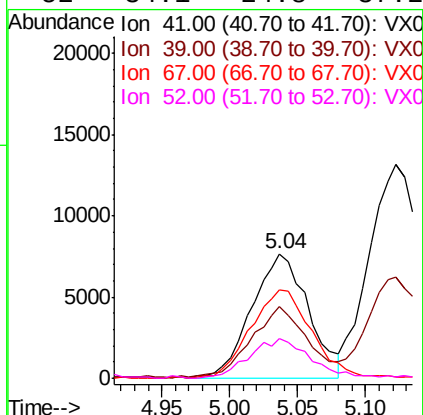
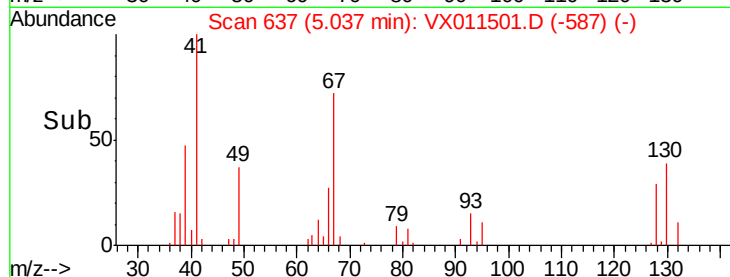
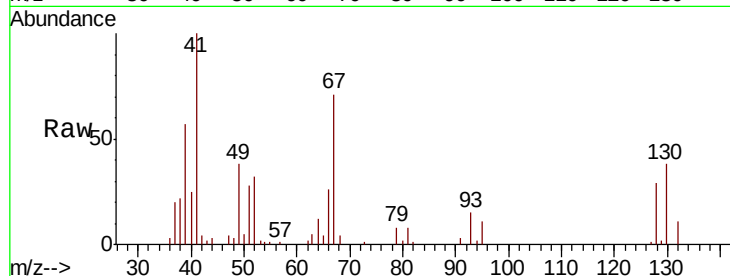




#41
Methacrylonitrile
Concen: 20.925 ug/l
RT: 5.04 min Scan# 637
Delta R.T. 0.01 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

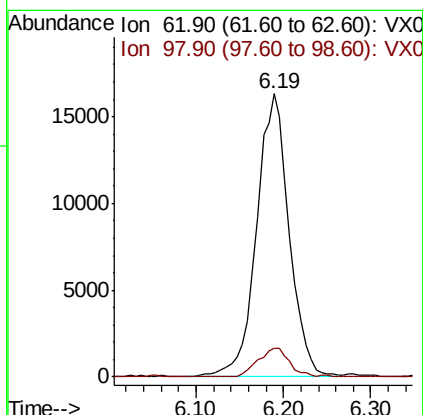
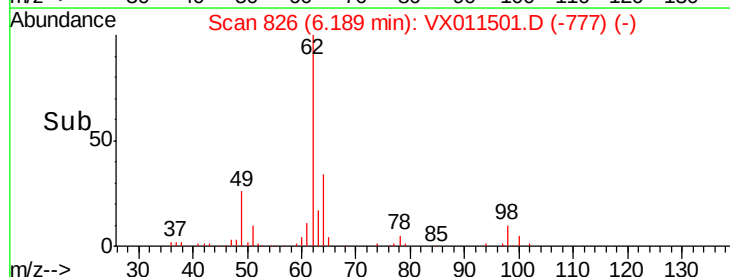
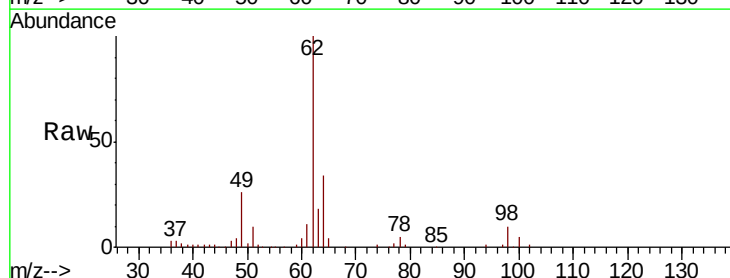
Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS02

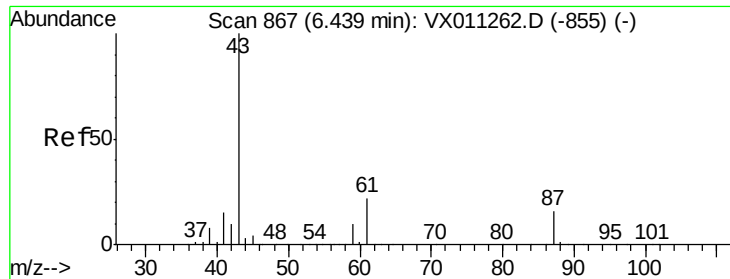
Tgt Ion:	41	Resp:	22295
Ion	Ratio	Lower	Upper
41	100		
39	56.2	43.0	64.6
67	77.3	65.1	97.7
52	34.1	24.8	37.2



#42
1,2-Dichloroethane
Concen: 21.640 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

Tgt Ion:	62	Resp:	42470
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.6





#43

Isopropyl Acetate

Concen: 19.981 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBS02

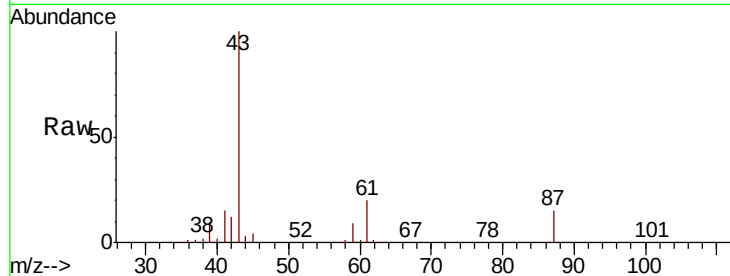
Tgt Ion: 43 Resp: 62324

Ion Ratio Lower Upper

43 100

61 20.3 16.5 24.7

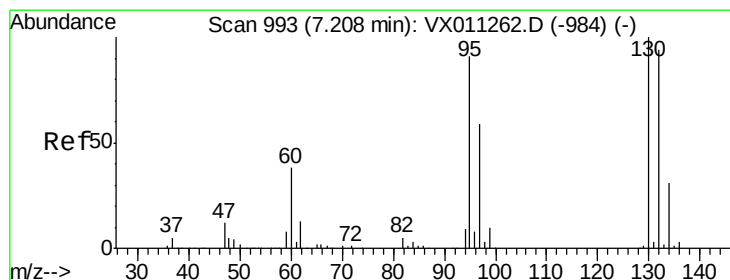
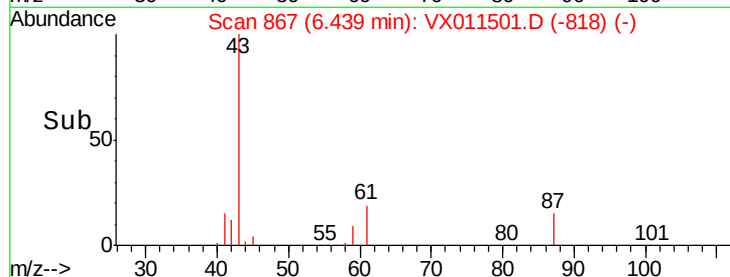
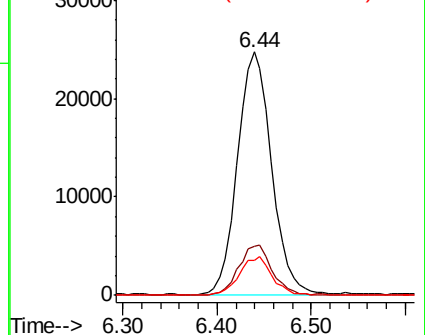
87 15.5 12.1 18.1



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: 18.745 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX011501.D

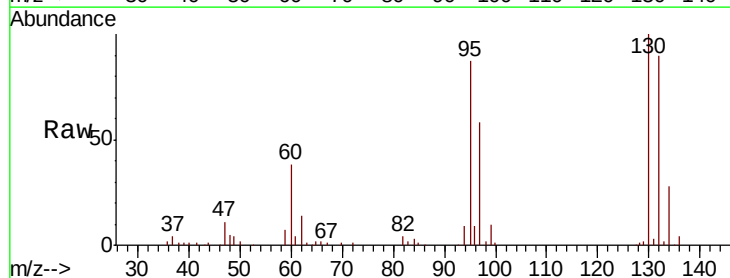
Acq: 12 Aug 2019 22:53

Tgt Ion: 130 Resp: 32931

Ion Ratio Lower Upper

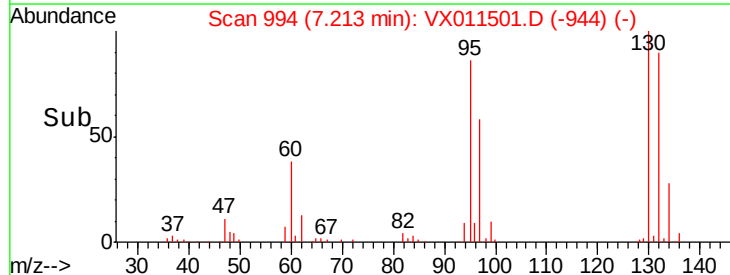
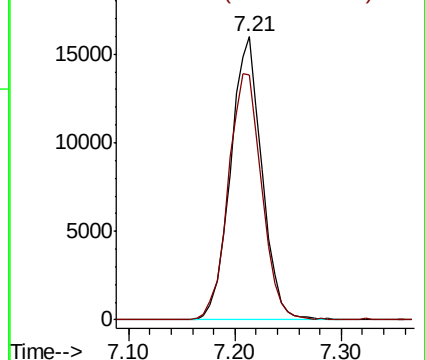
130 100

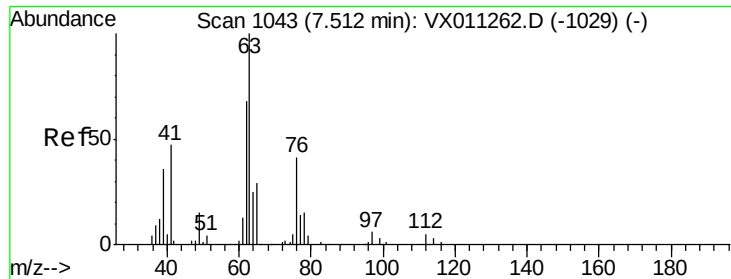
95 86.6 0.0 182.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

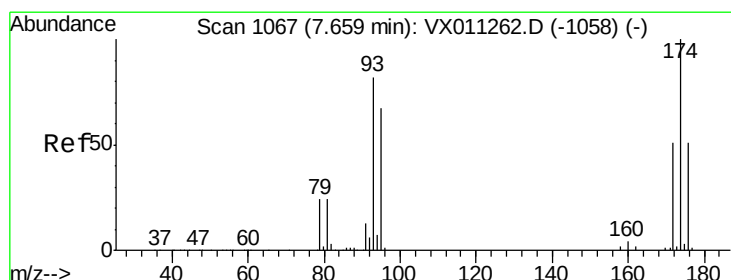
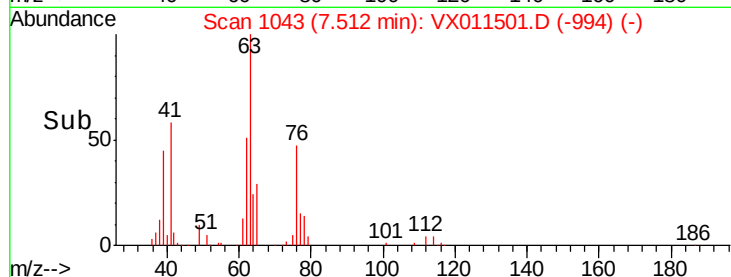
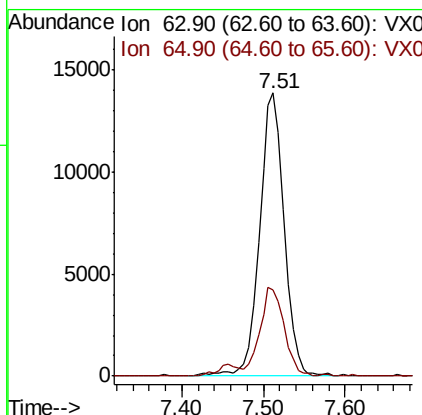
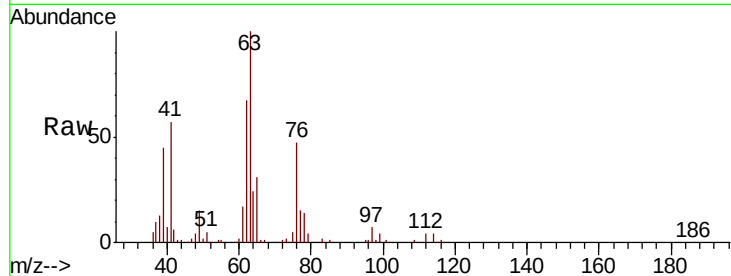




#45
 1,2-Dichloropropane
 Concen: 19.428 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX011501.D
 Acq: 12 Aug 2019 22:53

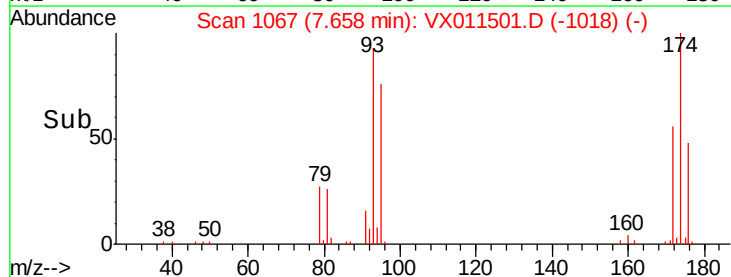
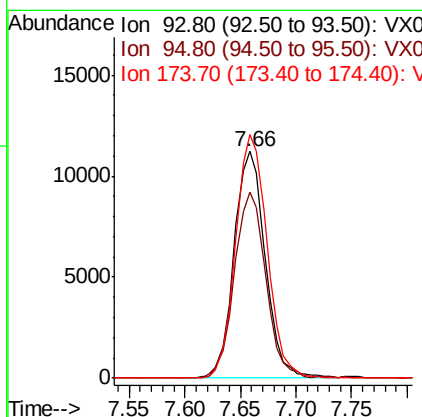
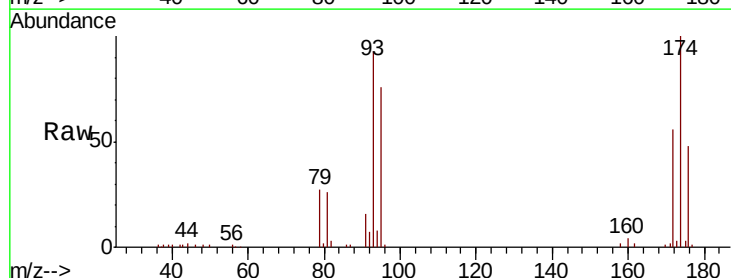
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0812WBS02

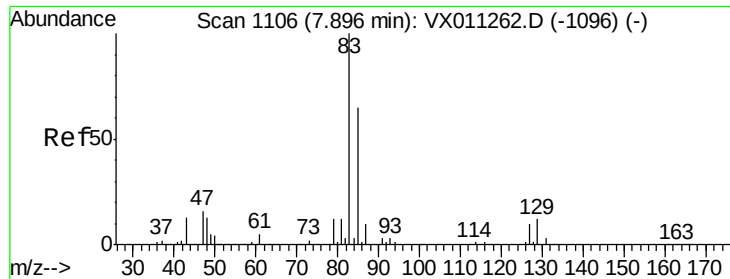
Tgt Ion: 63 Resp: 29203
 Ion Ratio Lower Upper
 63 100
 65 30.5 23.3 34.9



#46
 Dibromomethane
 Concen: 19.806 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX011501.D
 Acq: 12 Aug 2019 22:53

Tgt Ion: 93 Resp: 21733
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.4 99.6
 174 108.4 93.4 140.2





#47

Bromodichloromethane

Concen: 20.305 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBS02

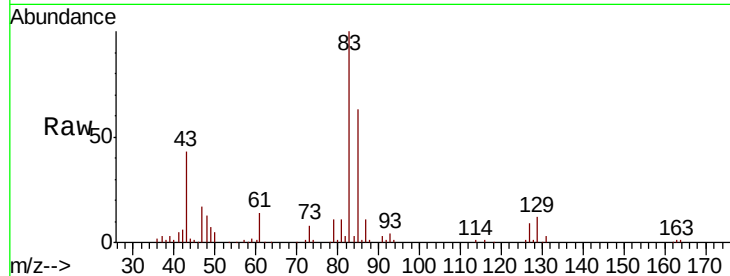
Tgt Ion: 83 Resp: 37722

Ion Ratio Lower Upper

83 100

85 62.8 52.2 78.2

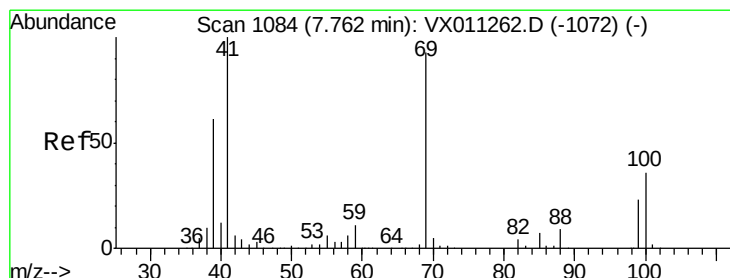
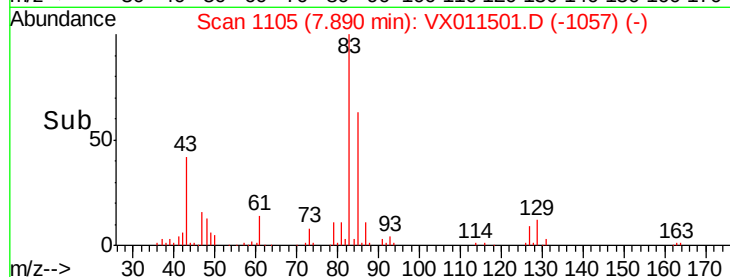
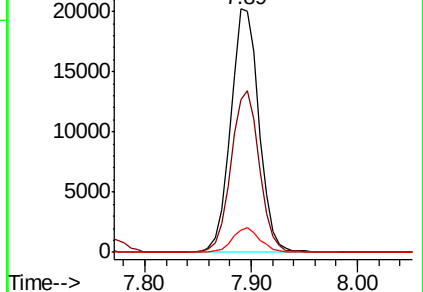
127 9.3 7.8 11.8



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: 21.426 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

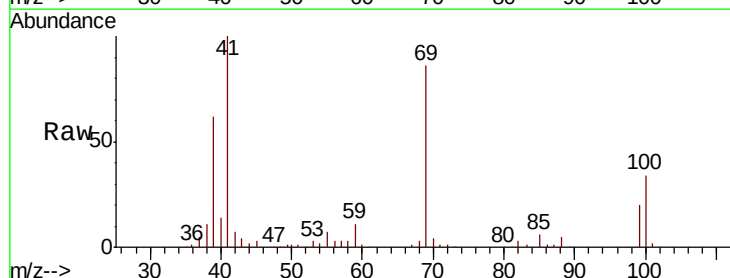
Tgt Ion: 41 Resp: 31451

Ion Ratio Lower Upper

41 100

69 87.6 74.5 111.7

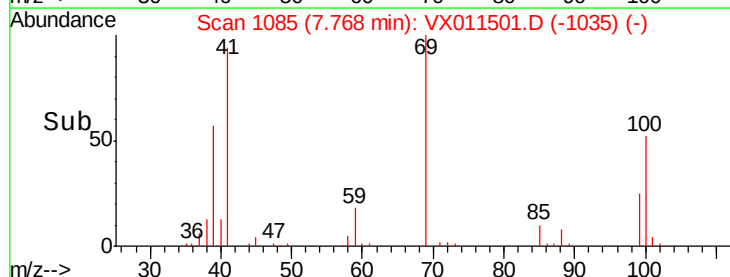
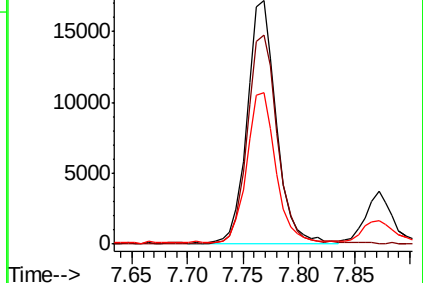
39 61.0 48.6 72.8

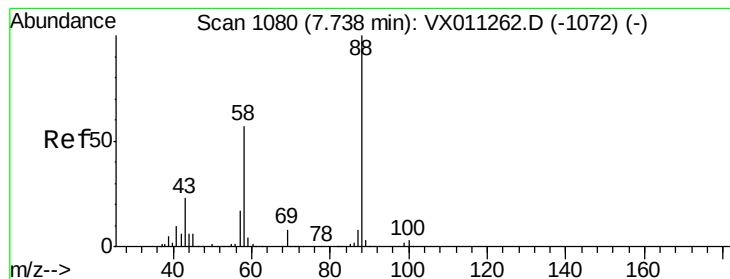


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 401.453 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBS02

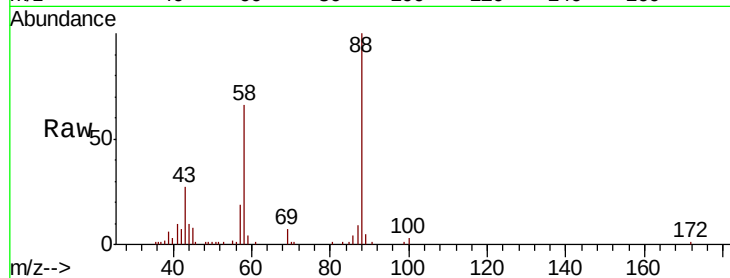
Tgt Ion: 88 Resp: 17084

Ion Ratio Lower Upper

88 100

43 32.2 22.2 33.2

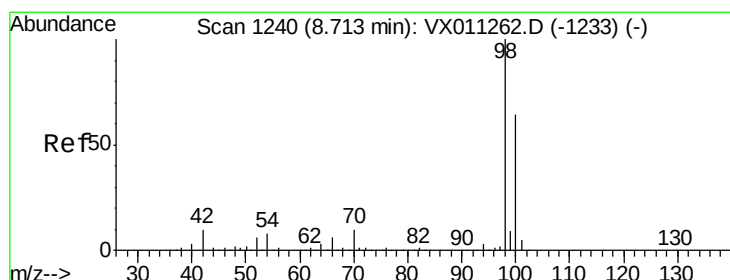
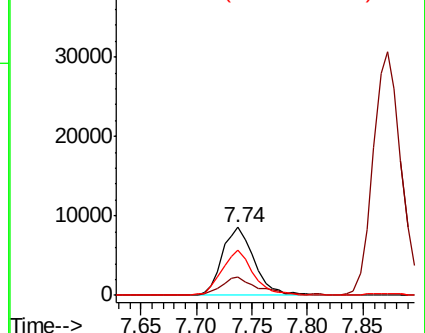
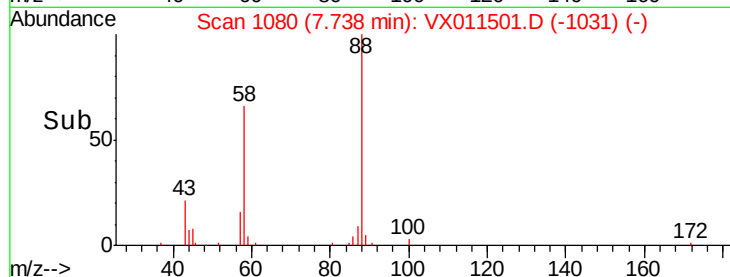
58 64.3 47.8 71.8



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 48.656 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011501.D

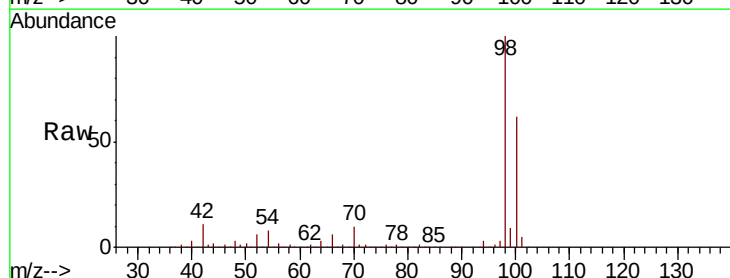
Acq: 12 Aug 2019 22:53

Tgt Ion: 98 Resp: 267115

Ion Ratio Lower Upper

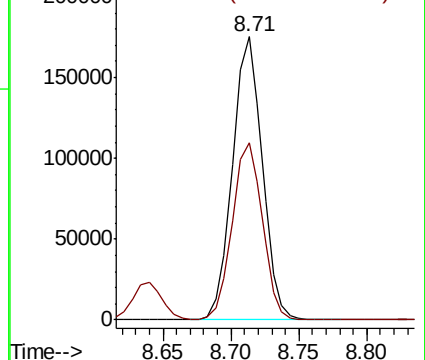
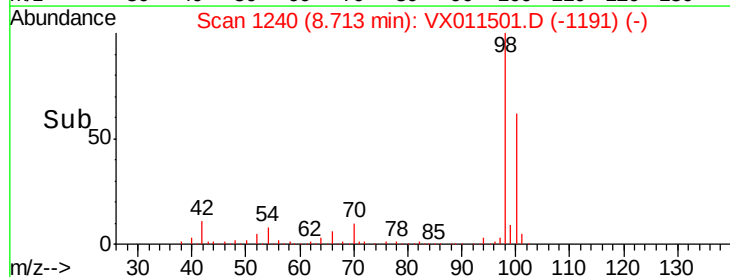
98 100

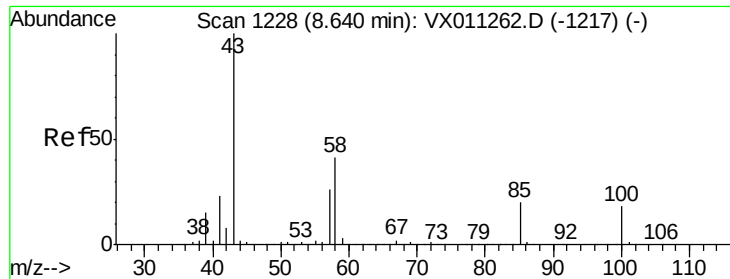
100 63.1 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 107.352 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

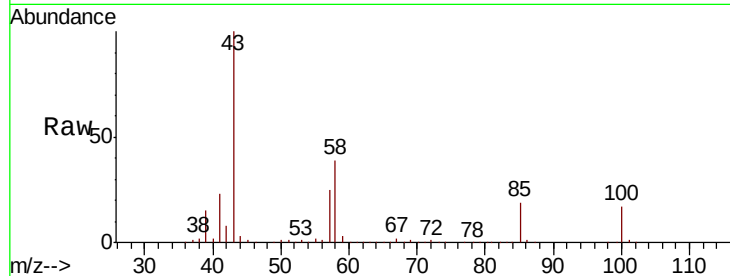
VX0812WBS02

Tgt Ion: 43 Resp: 216094

Ion Ratio Lower Upper

43 100

58 39.6 32.3 48.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

150000

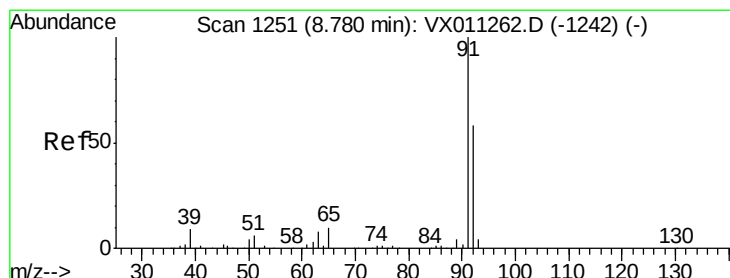
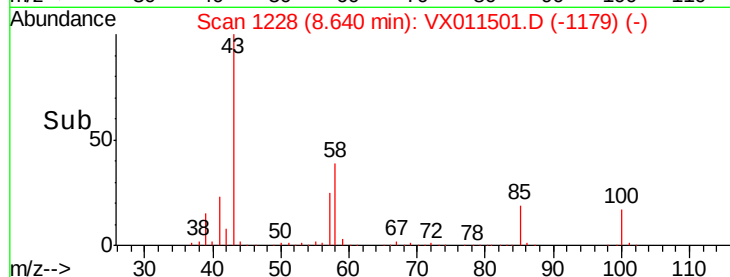
100000

50000

0

8.55 8.60 8.65 8.70

Time-->



#52

Toluene

Concen: 19.675 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX011501.D

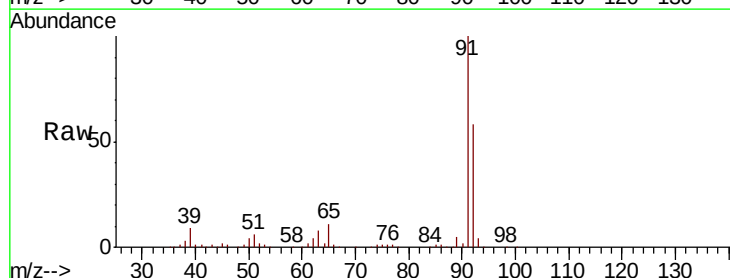
Acq: 12 Aug 2019 22:53

Tgt Ion: 92 Resp: 75500

Ion Ratio Lower Upper

92 100

91 173.1 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

100000

80000

60000

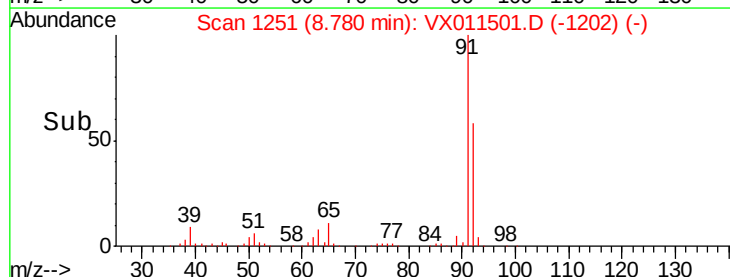
40000

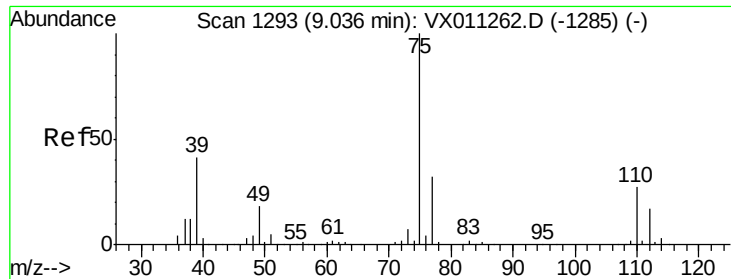
20000

0

8.70 8.75 8.80 8.85

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.979 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

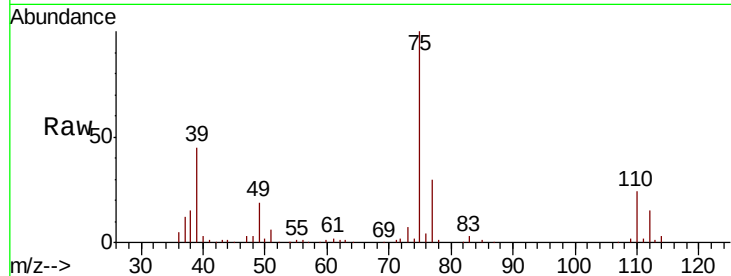
VX0812WBS02

Tgt Ion: 75 Resp: 37023

Ion Ratio Lower Upper

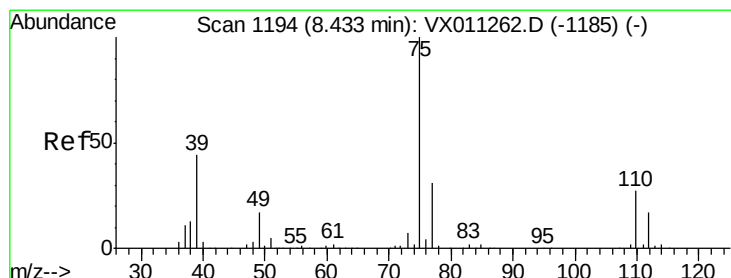
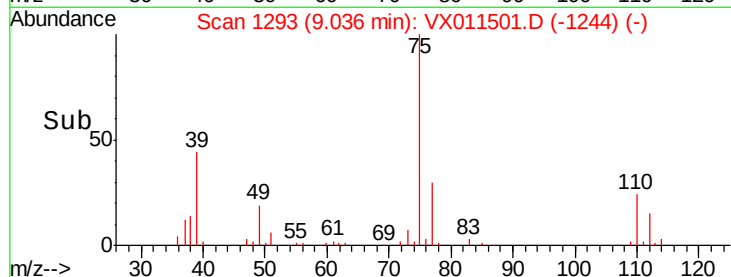
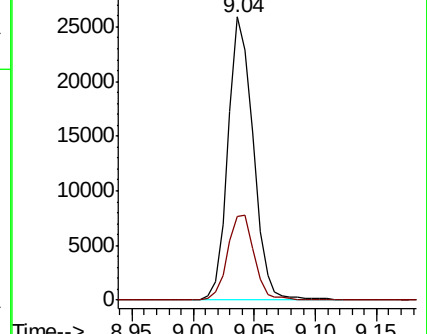
75 100

77 29.5 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 19.219 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

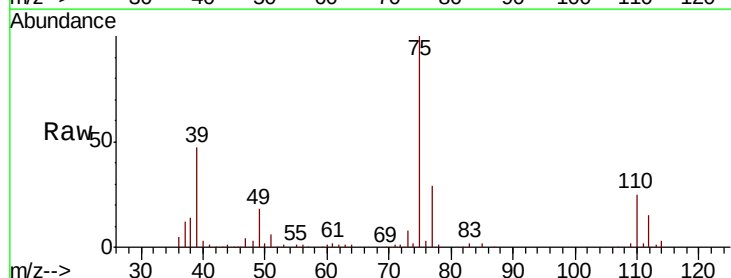
Tgt Ion: 75 Resp: 41709

Ion Ratio Lower Upper

75 100

77 29.2 25.0 37.6

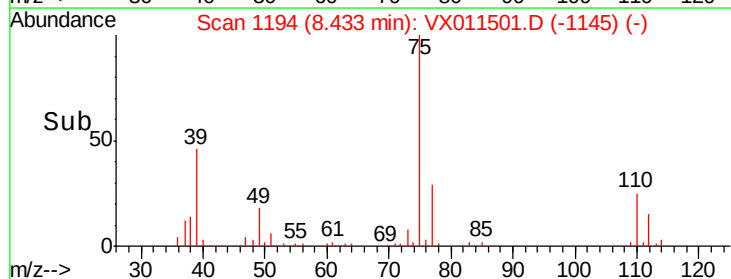
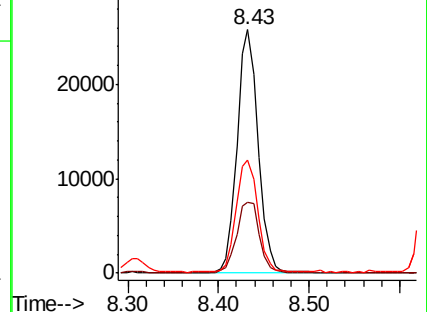
39 46.0 35.3 52.9

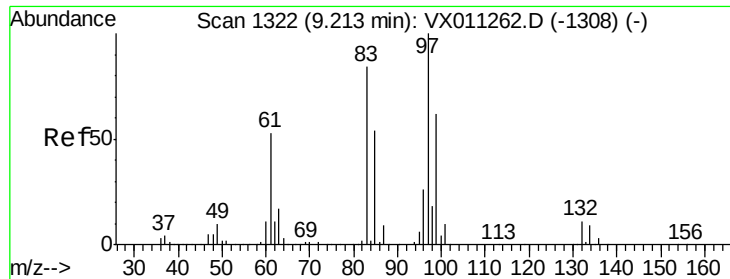


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





#55

1,1,2-Trichloroethane

Concen: 20.440 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBS02

Tgt Ion: 97 Resp: 32250

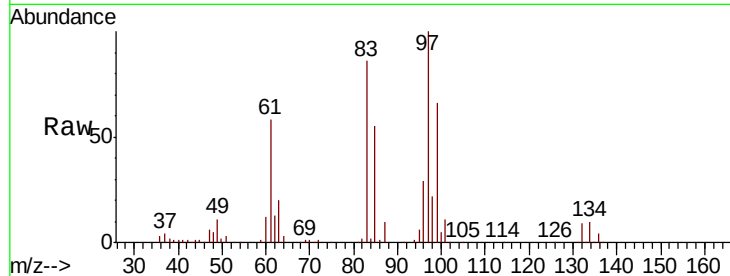
Ion Ratio Lower Upper

97 100

83 85.8 67.6 101.4

85 54.6 43.4 65.0

99 65.6 49.6 74.4



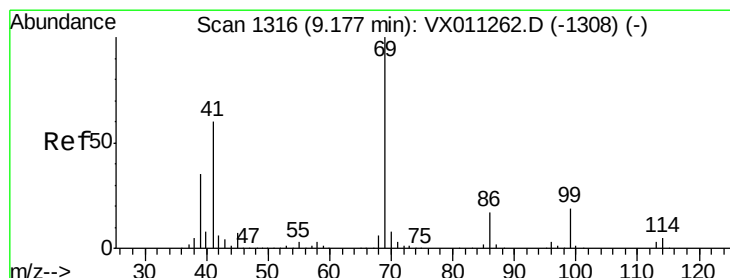
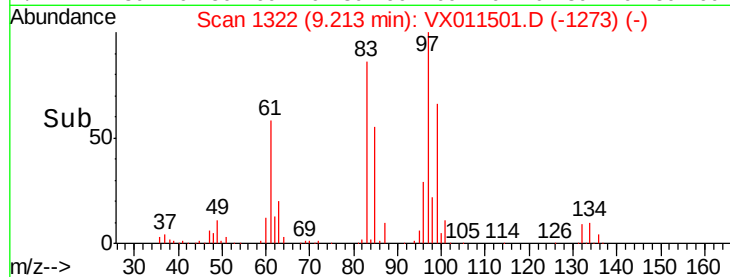
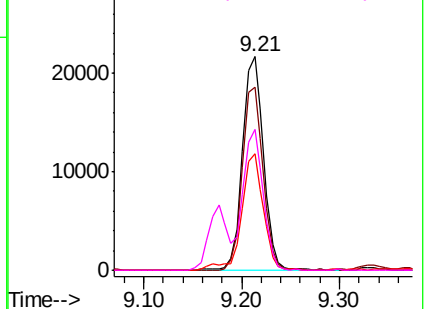
Abundance

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: 20.005 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

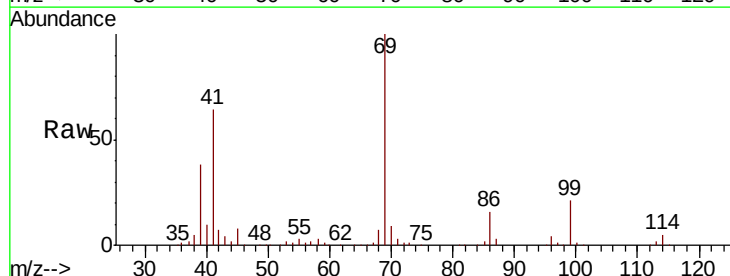
Tgt Ion: 69 Resp: 44978

Ion Ratio Lower Upper

69 100

41 64.5 48.6 73.0

39 38.5 29.4 44.2

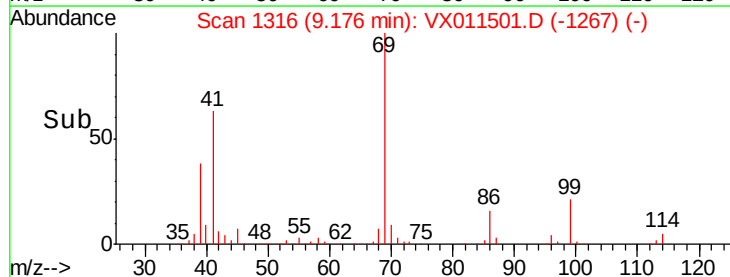
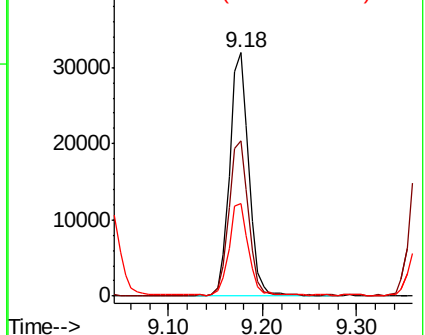


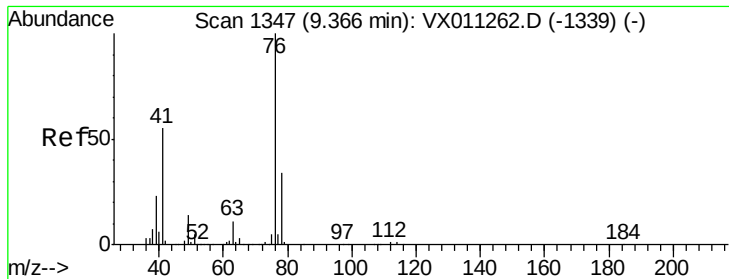
Abundance

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: 20.109 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

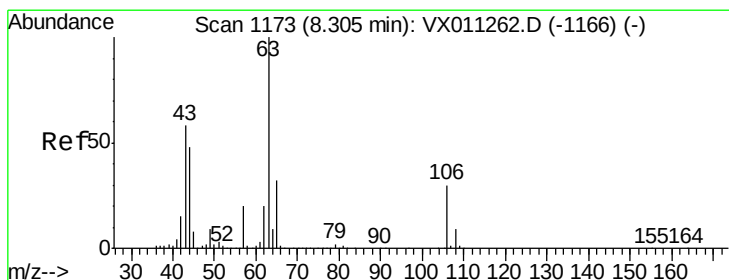
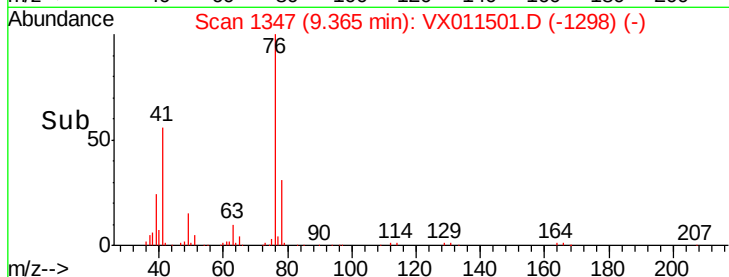
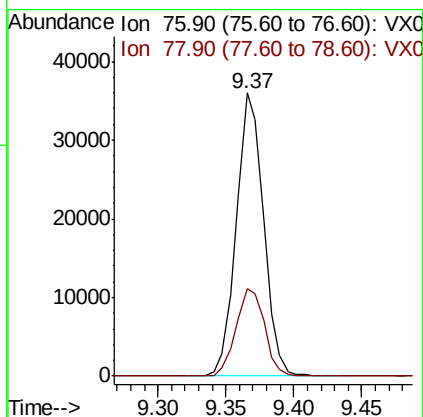
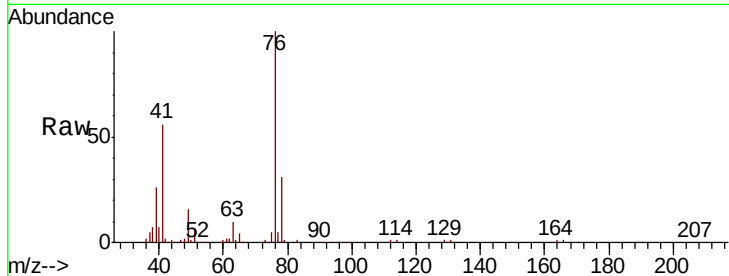
VX0812WBS02

Tgt Ion: 76 Resp: 50175

Ion Ratio Lower Upper

76 100

78 32.8 26.6 40.0



#58

2-Chloroethyl Vinyl ether

Concen: 95.268 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VX011501.D

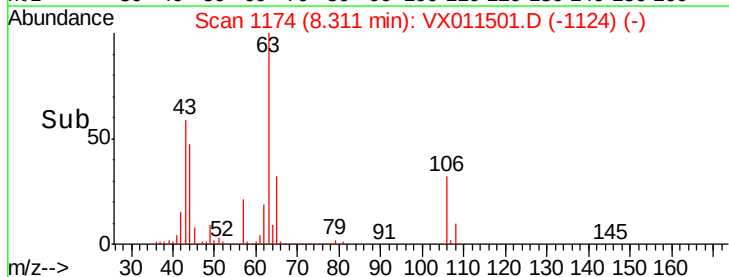
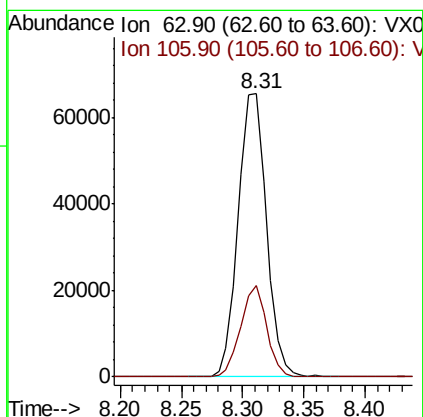
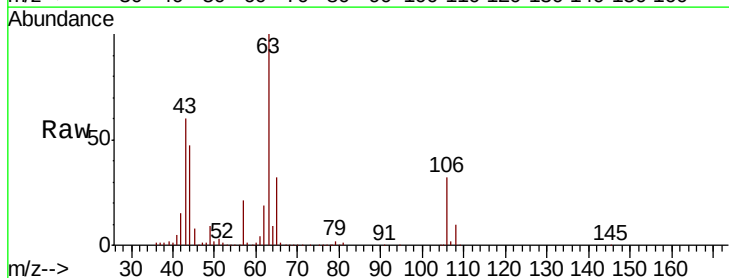
Acq: 12 Aug 2019 22:53

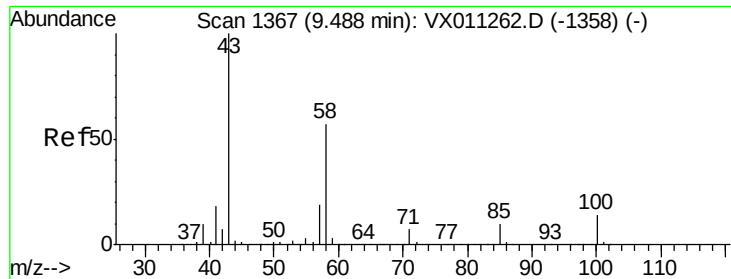
Tgt Ion: 63 Resp: 105320

Ion Ratio Lower Upper

63 100

106 29.7 24.4 36.6

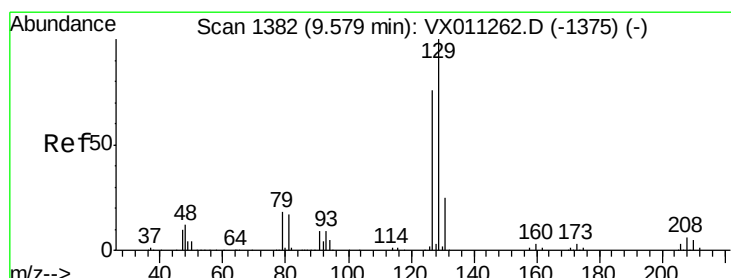
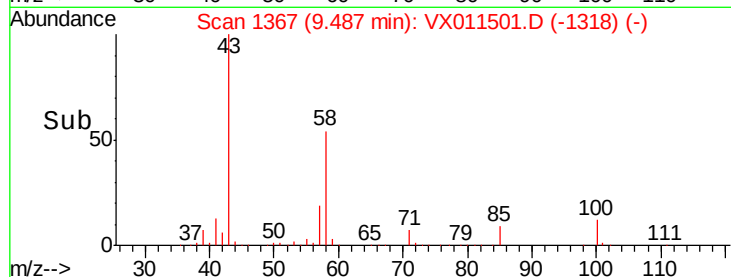
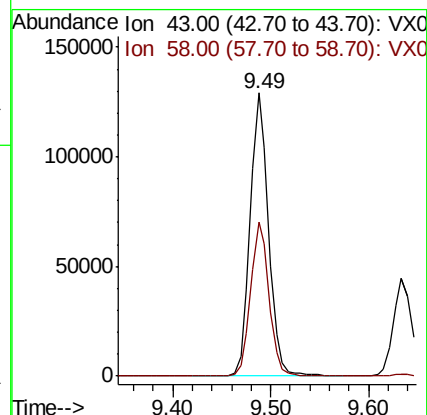
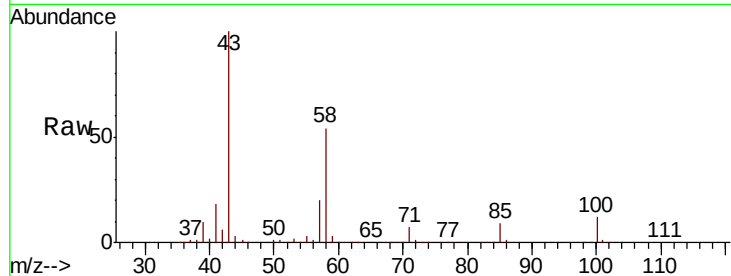




#59
2-Hexanone
Concen: 108.260 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

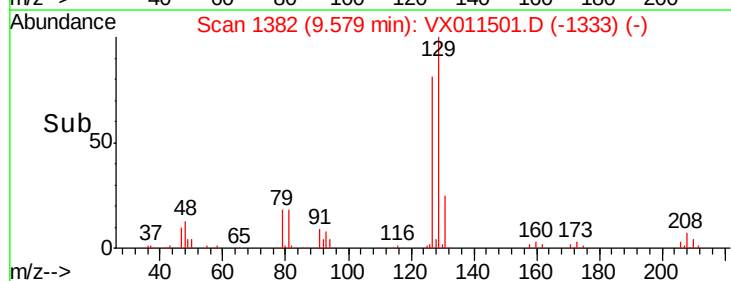
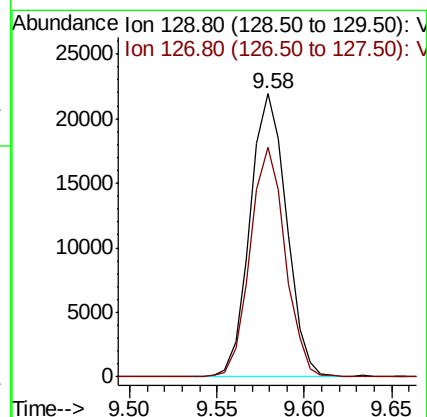
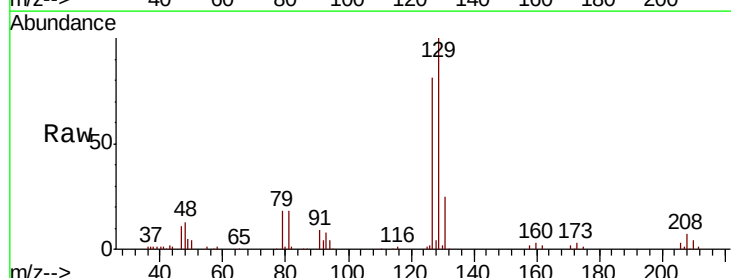
Instrument :
MSVOA_X
ClientSampled :
VX0812WBS02

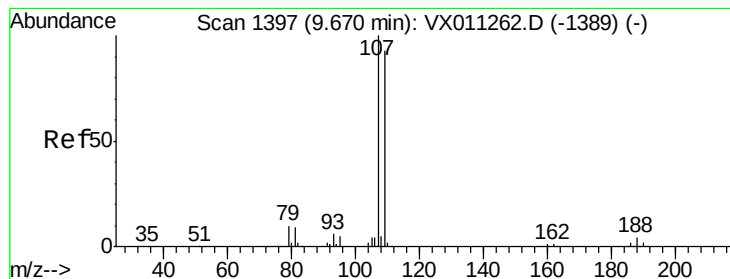
Tgt Ion: 43 Resp: 168794
Ion Ratio Lower Upper
43 100
58 54.5 28.2 84.6



#60
Dibromochloromethane
Concen: 19.733 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

Tgt Ion: 129 Resp: 31875
Ion Ratio Lower Upper
129 100
127 77.8 39.2 117.6





#61

1,2-Dibromoethane

Concen: 19.842 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

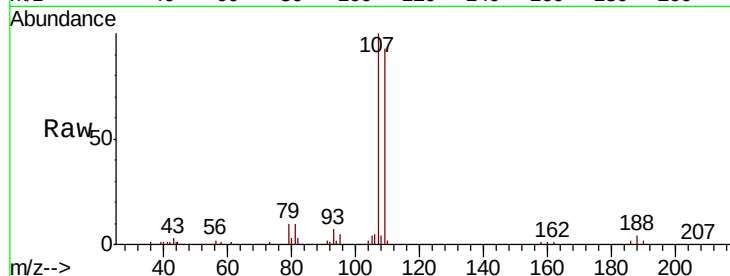
VX0812WBS02

Tgt Ion: 107 Resp: 33823

Ion Ratio Lower Upper

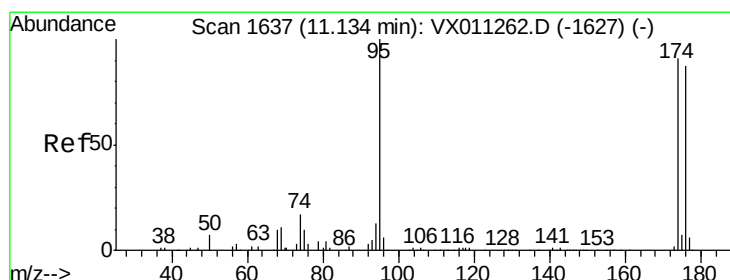
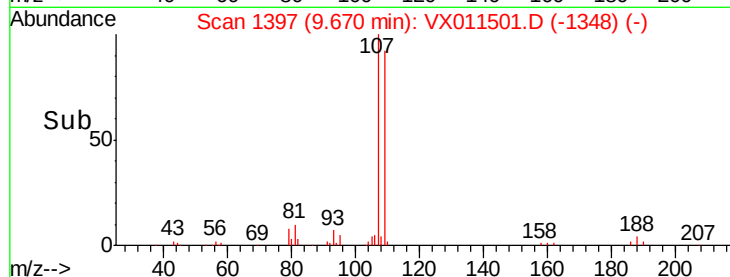
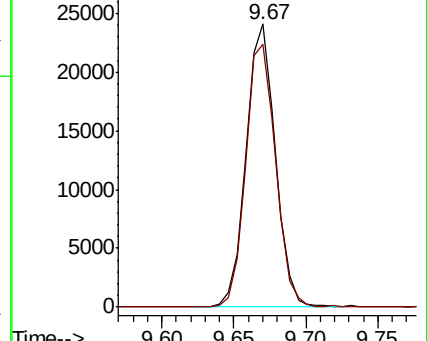
107 100

109 94.4 76.6 114.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.625 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

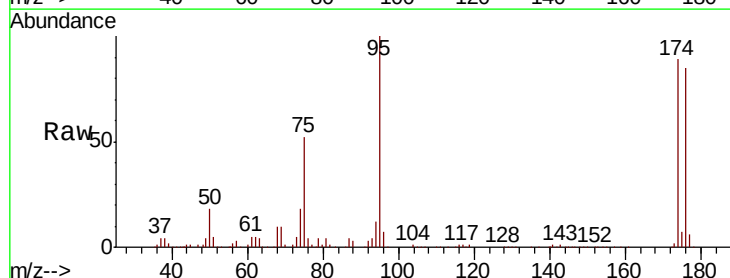
Tgt Ion: 95 Resp: 95307

Ion Ratio Lower Upper

95 100

174 91.2 0.0 191.2

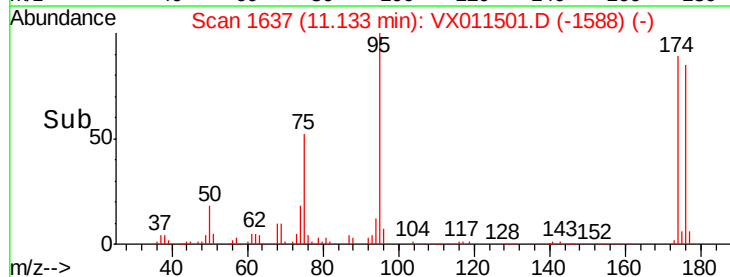
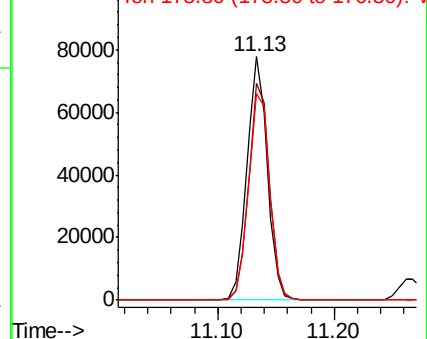
176 88.5 0.0 184.8

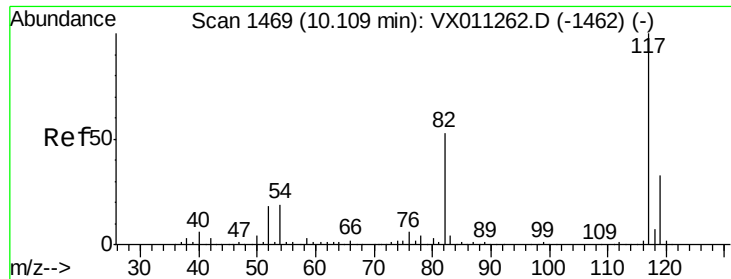


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

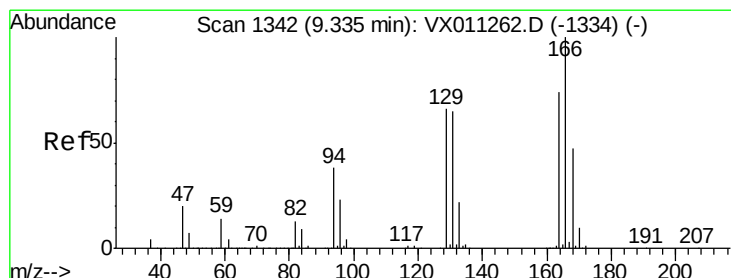
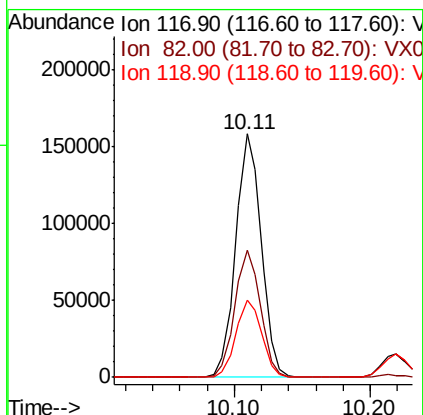
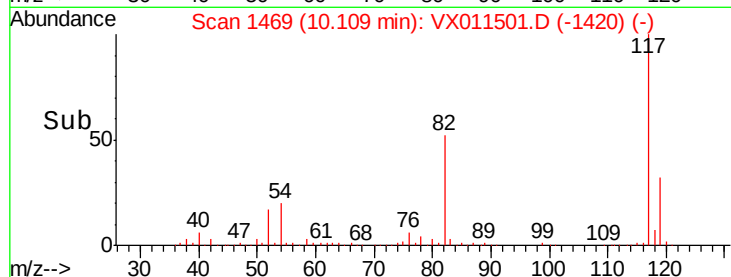
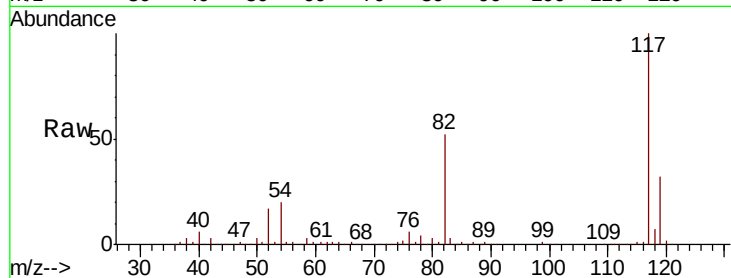




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

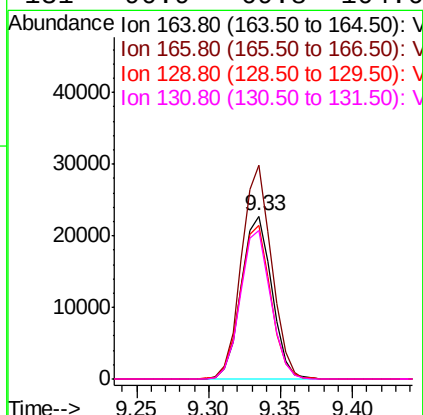
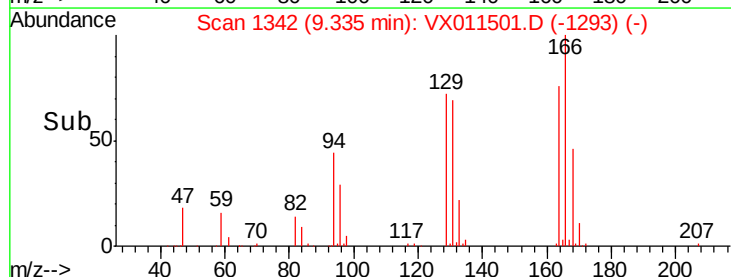
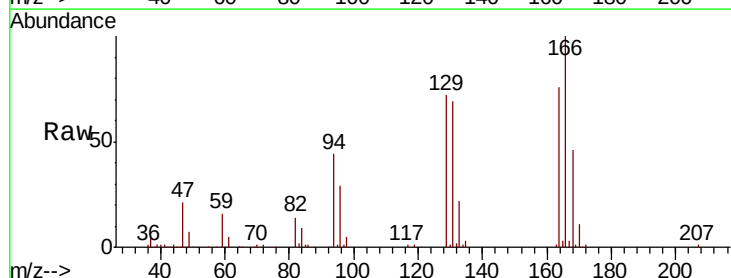
Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS02

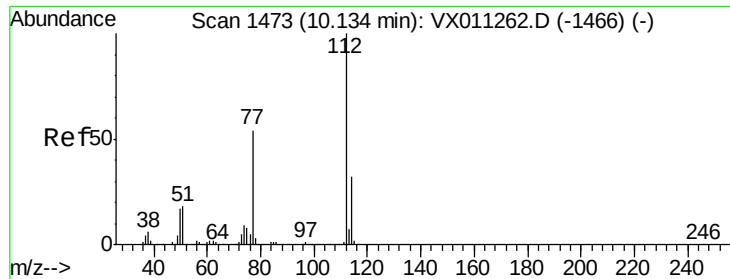
Tgt Ion:117 Resp: 206656
Ion Ratio Lower Upper
117 100
82 52.0 42.2 63.2
119 31.7 26.6 39.8



#64
Tetrachloroethene
Concen: 19.127 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

Tgt Ion:164 Resp: 33568
Ion Ratio Lower Upper
164 100
166 131.1 107.5 161.3
129 94.7 71.0 106.4
131 90.9 69.8 104.6

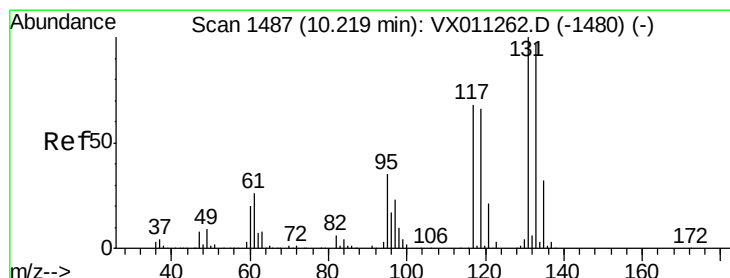
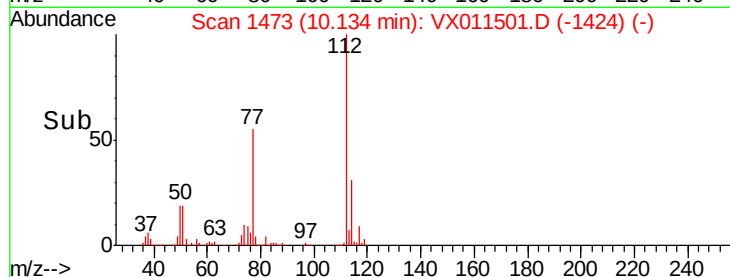
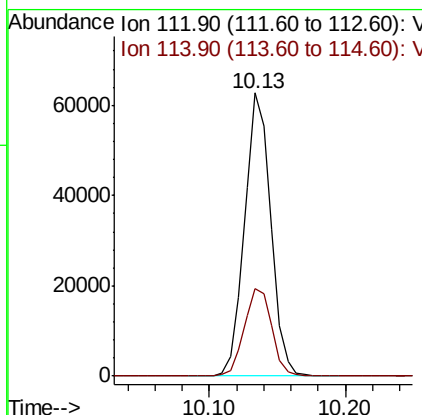
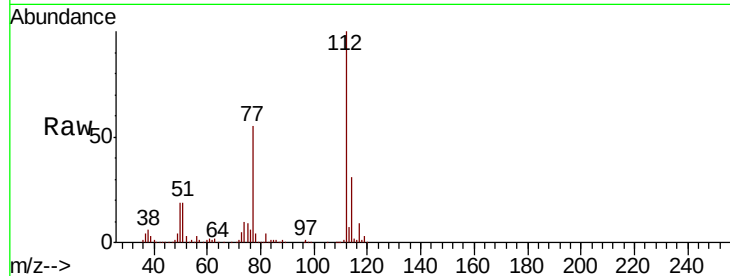




#65
Chlorobenzene
Concen: 19.080 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

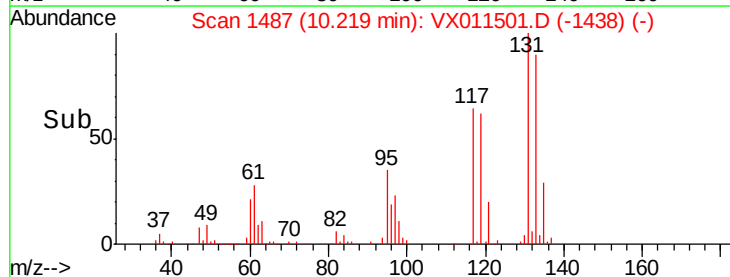
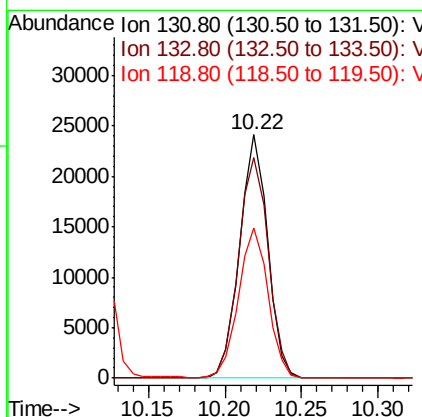
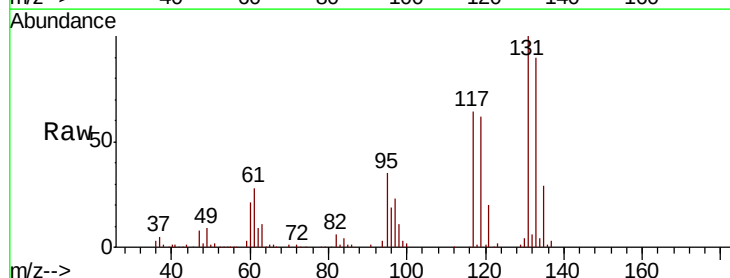
Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS02

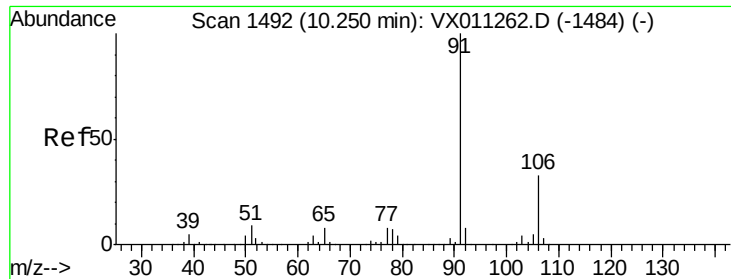
Tgt Ion:112 Resp: 84542
Ion Ratio Lower Upper
112 100
114 30.8 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.224 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

Tgt Ion:131 Resp: 30679
Ion Ratio Lower Upper
131 100
133 96.7 47.7 143.1
119 65.6 32.8 98.3





#67

Ethyl Benzene

Concen: 19.298 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

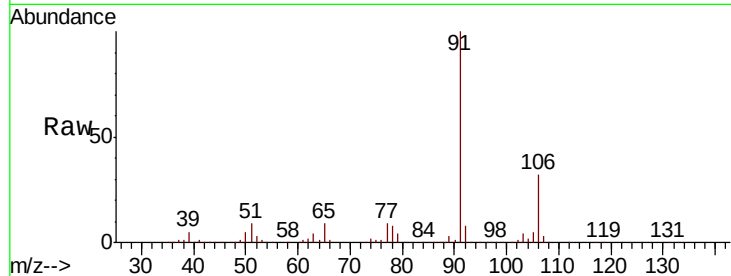
VX0812WBS02

Tgt Ion: 91 Resp: 143205

Ion Ratio Lower Upper

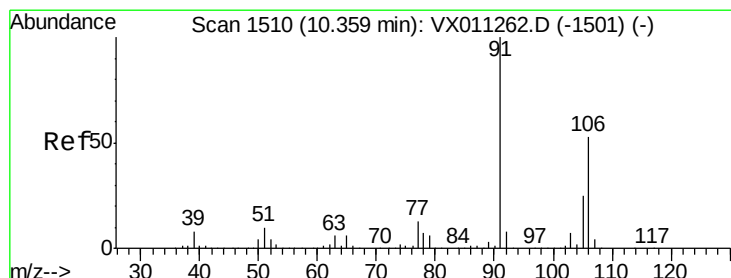
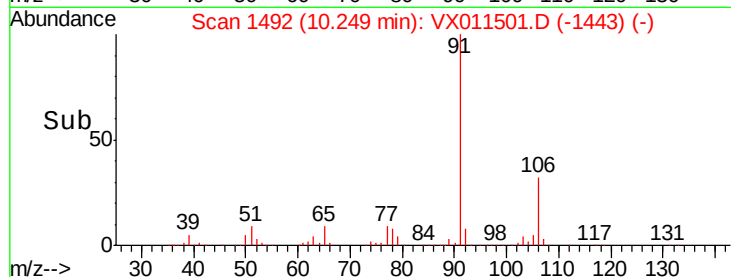
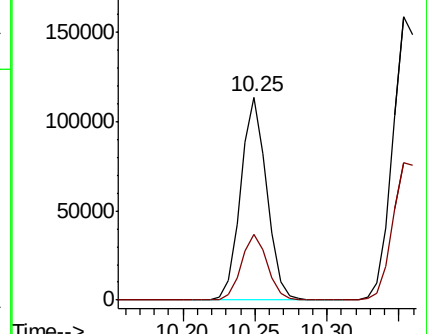
91 100

106 32.2 26.2 39.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 38.122 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX011501.D

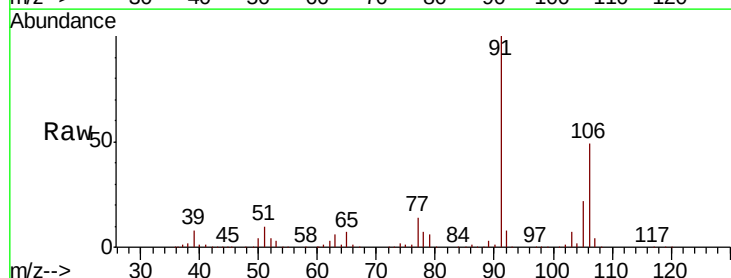
Acq: 12 Aug 2019 22:53

Tgt Ion: 106 Resp: 109422

Ion Ratio Lower Upper

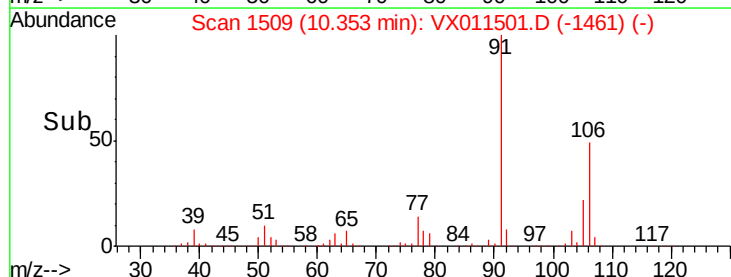
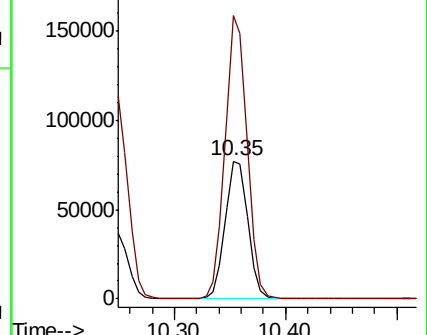
106 100

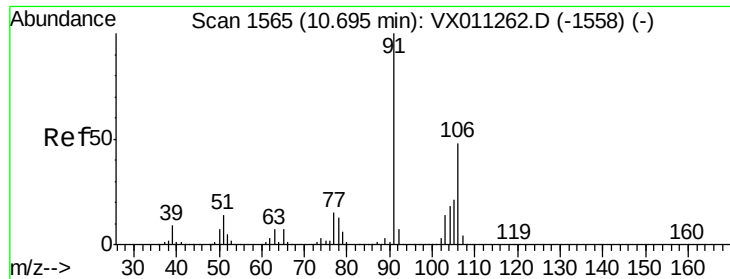
91 198.6 155.9 233.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

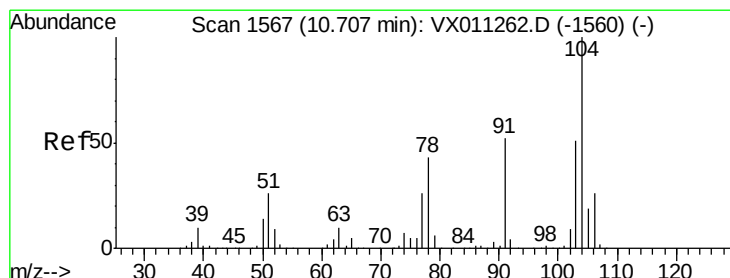
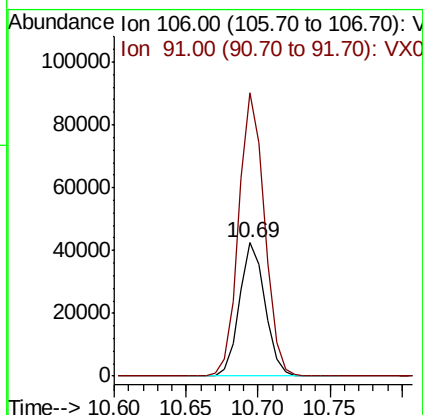
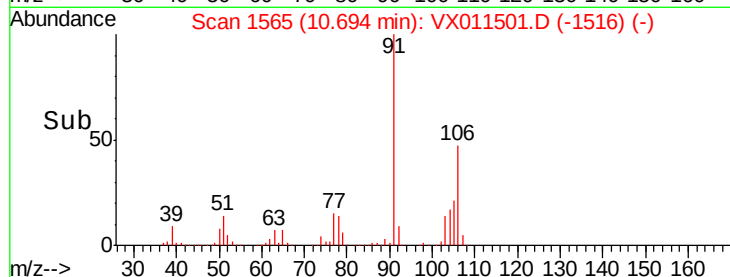
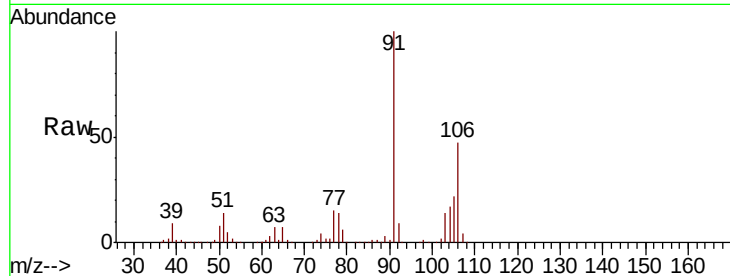




#69
o-Xylene
Concen: 18.656 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

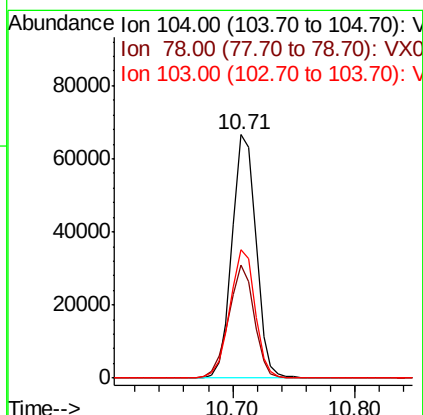
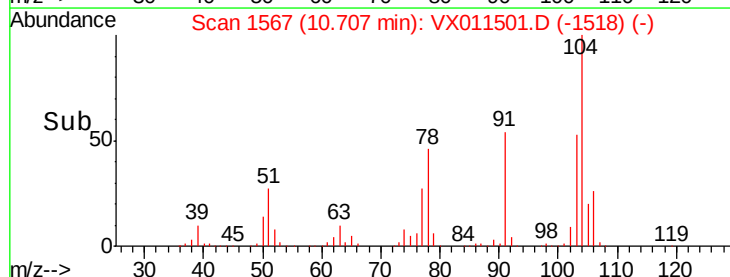
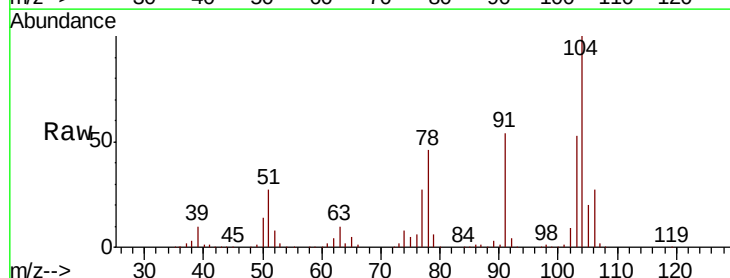
Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS02

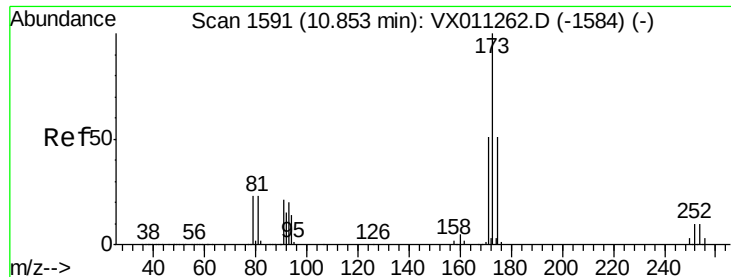
Tgt Ion:106 Resp: 52613
Ion Ratio Lower Upper
106 100
91 214.6 103.8 311.3



#70
Styrene
Concen: 19.320 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

Tgt Ion:104 Resp: 90155
Ion Ratio Lower Upper
104 100
78 49.6 36.9 55.3
103 55.7 44.4 66.6





#71

Bromoform

Concen: 18.600 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBS02

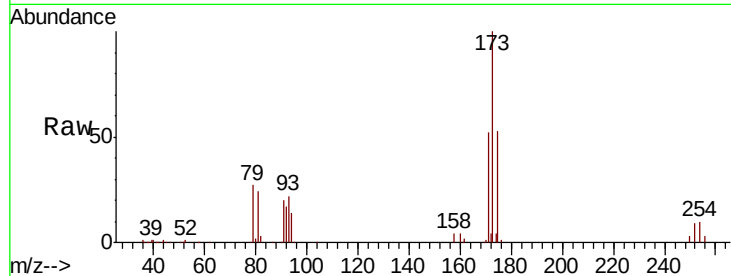
Tgt Ion:173 Resp: 22667

Ion Ratio Lower Upper

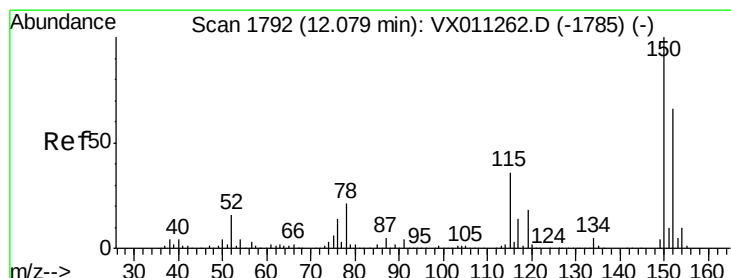
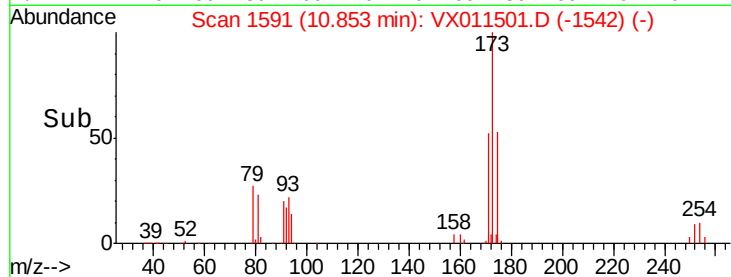
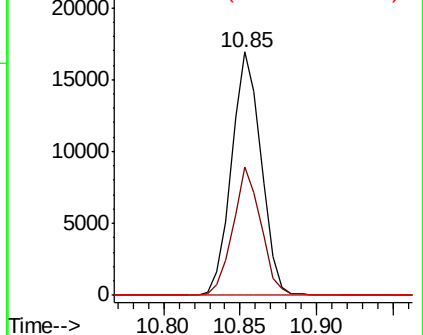
173 100

175 49.9 24.4 73.4

254 0.1 0.2 0.2#



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: VX011501.D

Acq: 12 Aug 2019 22:53

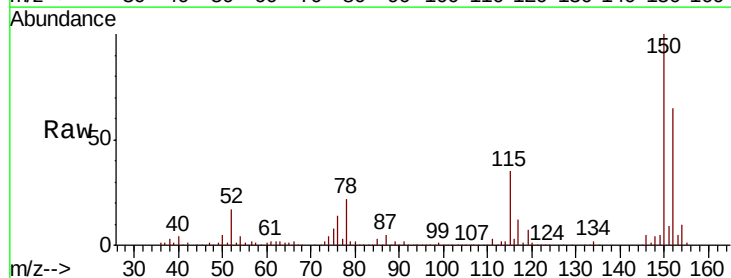
Tgt Ion:152 Resp: 105748

Ion Ratio Lower Upper

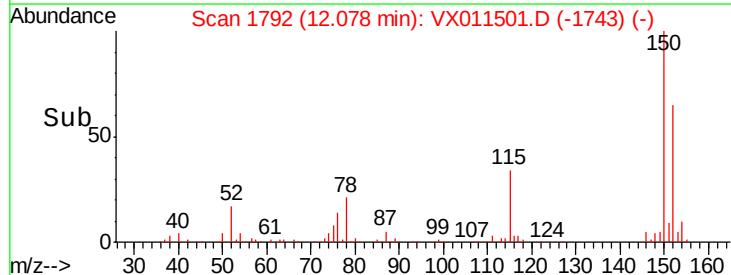
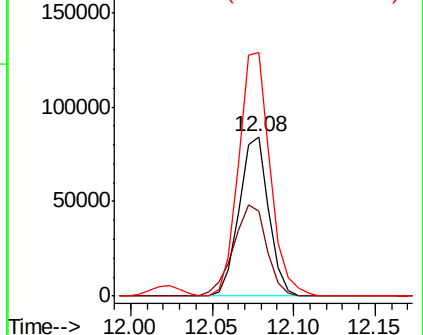
152 100

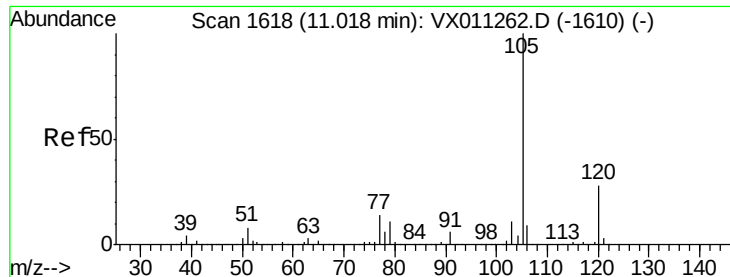
115 64.9 40.0 119.9

150 163.2 0.0 350.4



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: 19.970 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

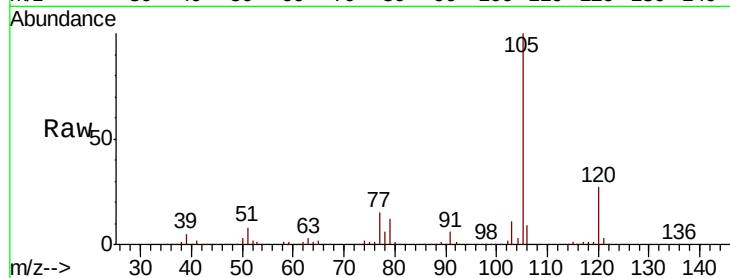
VX0812WBS02

Tgt Ion: 105 Resp: 144431

Ion Ratio Lower Upper

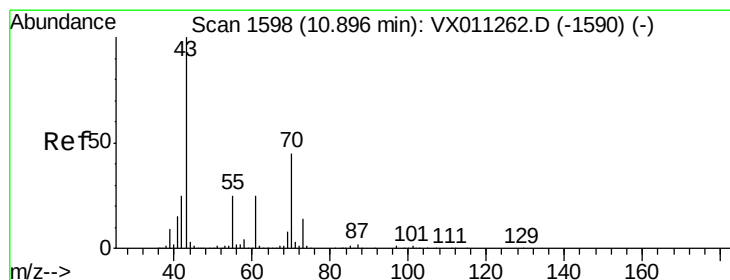
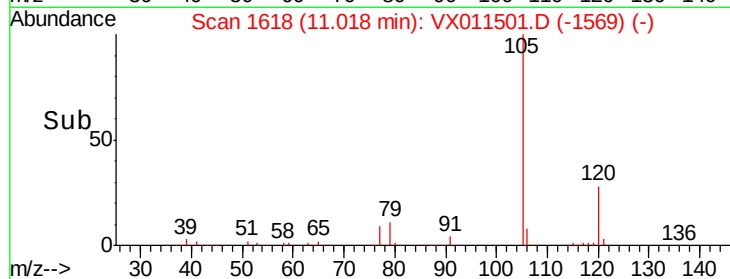
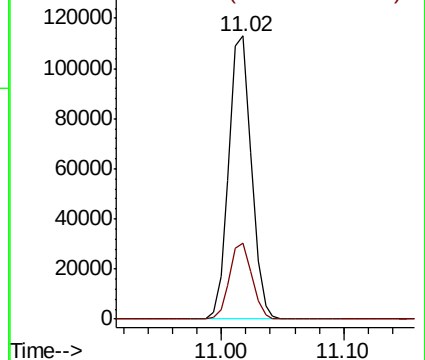
105 100

120 26.9 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.057 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Tgt Ion: 43 Resp: 55029

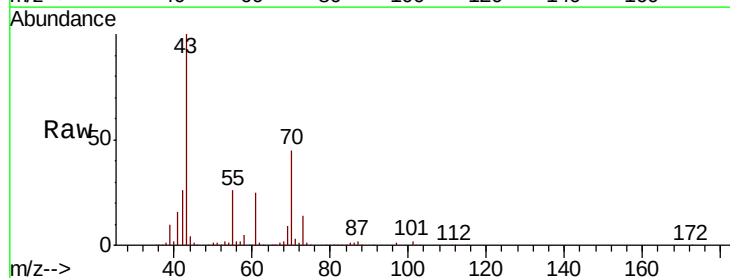
Ion Ratio Lower Upper

43 100

70 44.0 35.9 53.9

55 25.4 19.8 29.6

61 24.0 19.7 29.5

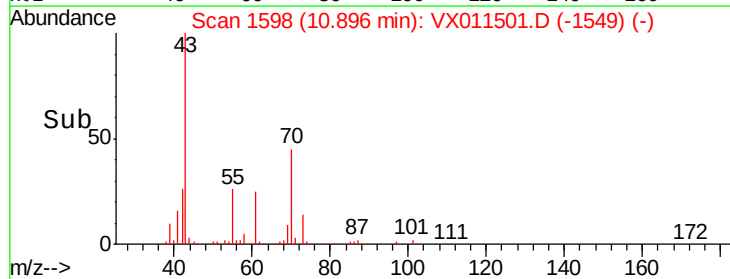
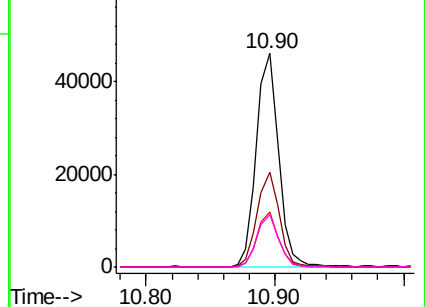


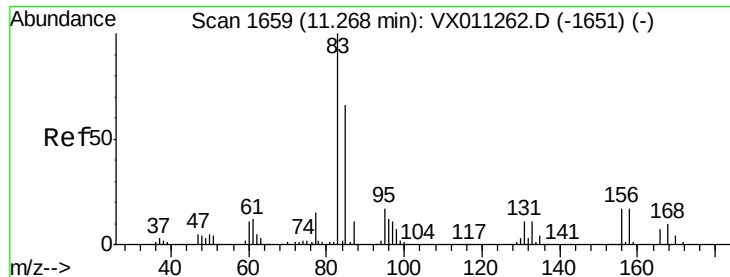
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 21.239 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Instrument :

MSVOA_X

ClientSampled :

VX0812WBS02

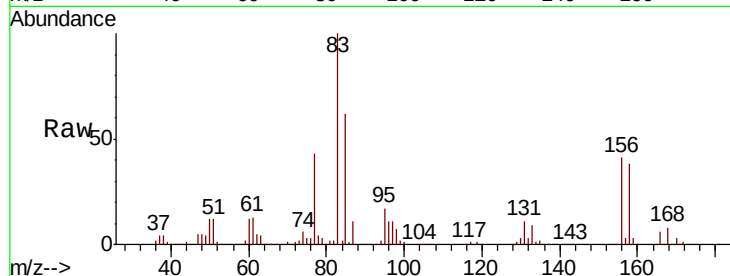
Tgt Ion: 83 Resp: 51190

Ion Ratio Lower Upper

83 100

131 10.9 5.6 16.8

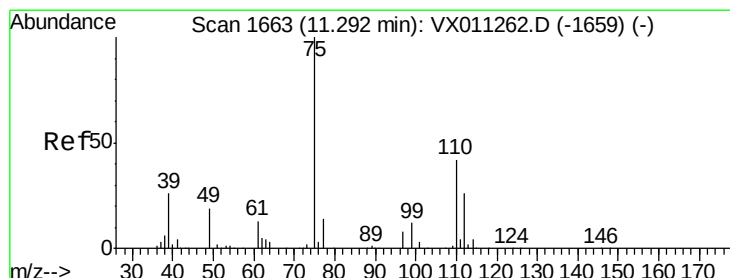
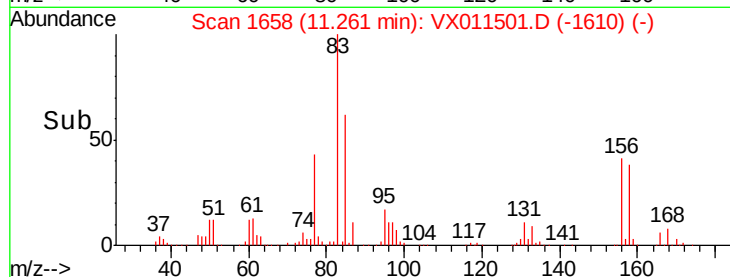
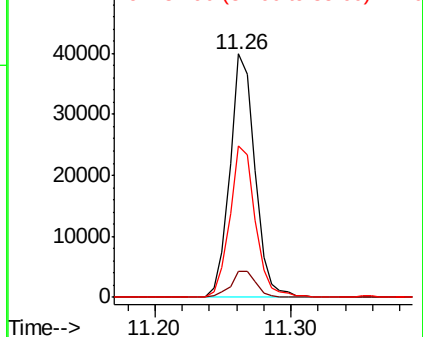
85 63.6 32.1 96.5



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: 26.672 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX011501.D

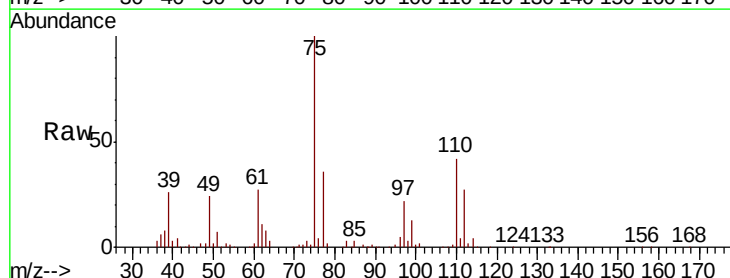
Acq: 12 Aug 2019 22:53

Tgt Ion: 75 Resp: 51365

Ion Ratio Lower Upper

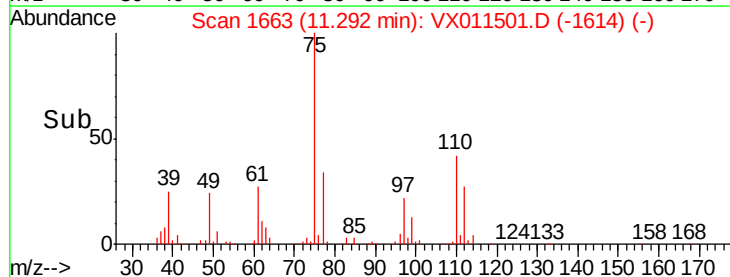
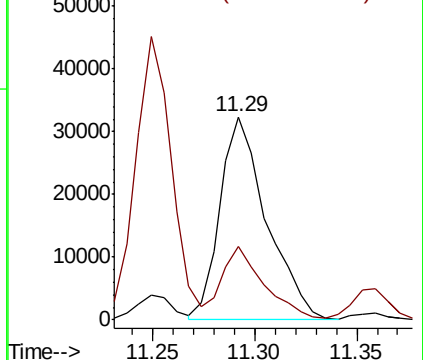
75 100

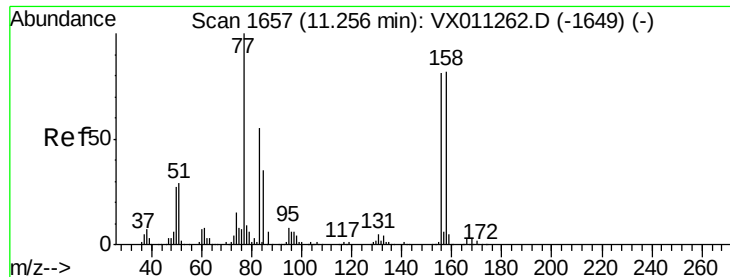
77 32.8 21.1 63.4



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.757 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBS02

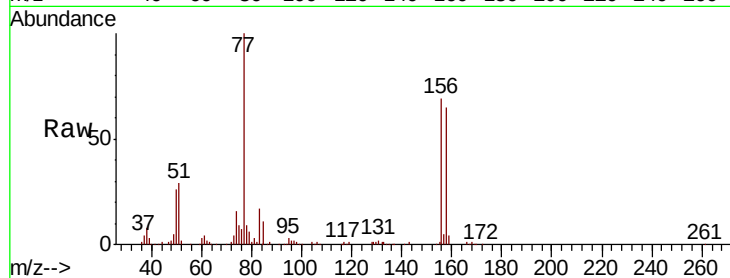
Tgt Ion:156 Resp: 39623

Ion Ratio Lower Upper

156 100

77 140.0 66.2 198.6

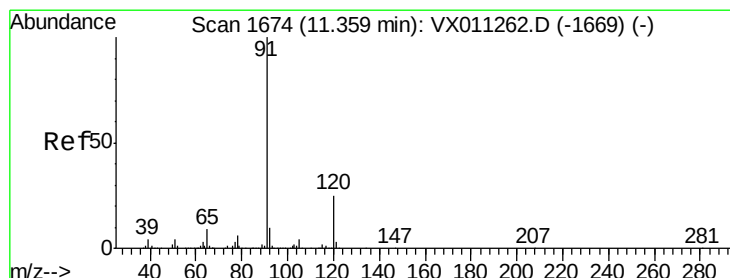
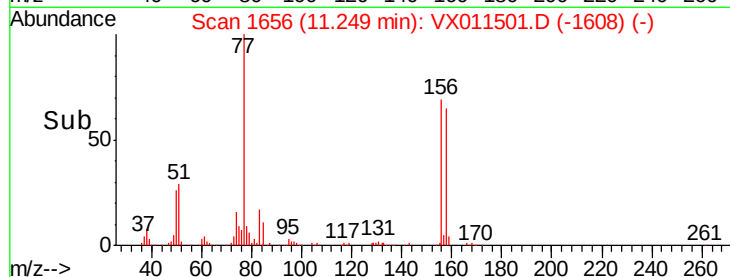
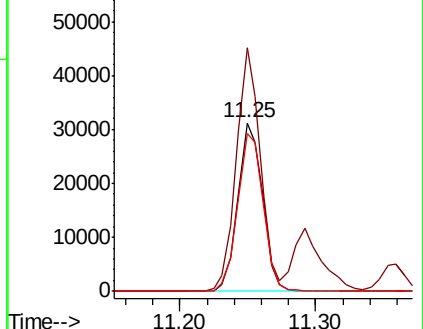
158 96.4 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.540 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX011501.D

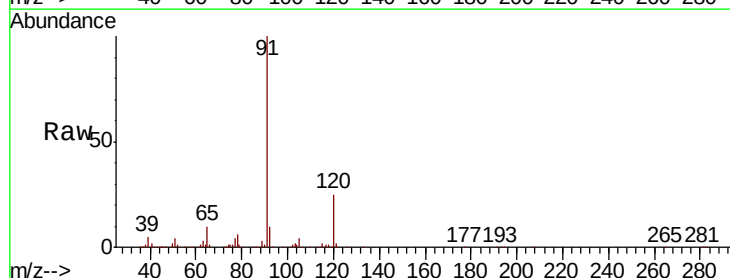
Acq: 12 Aug 2019 22:53

Tgt Ion: 91 Resp: 157156

Ion Ratio Lower Upper

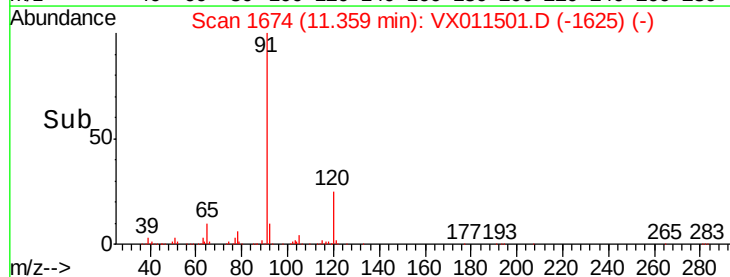
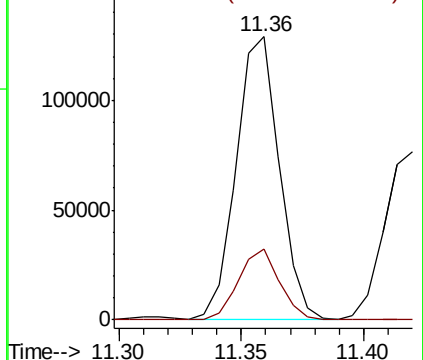
91 100

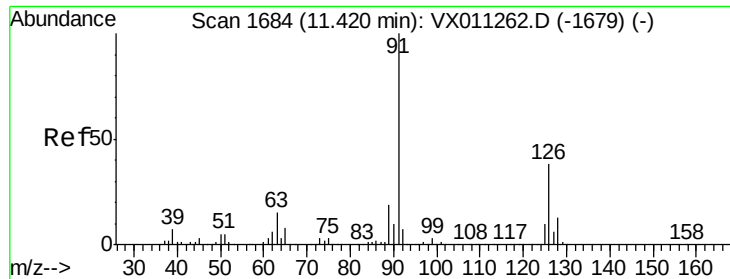
120 24.0 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

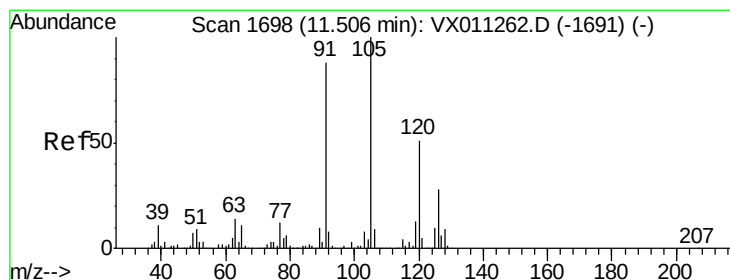
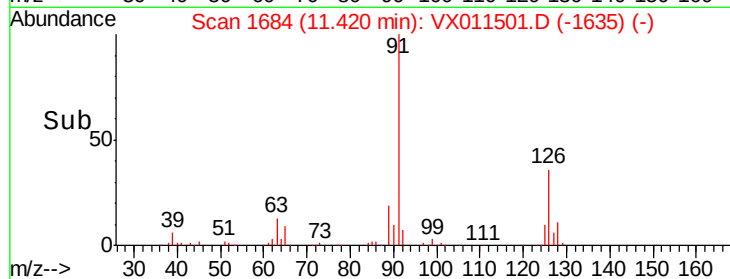
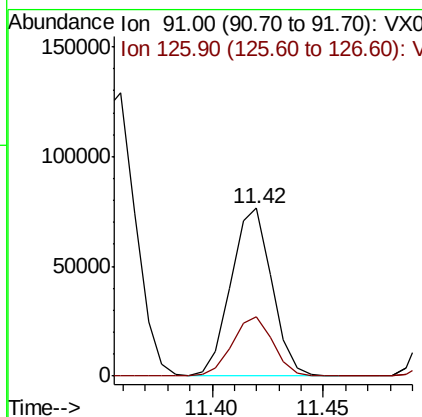
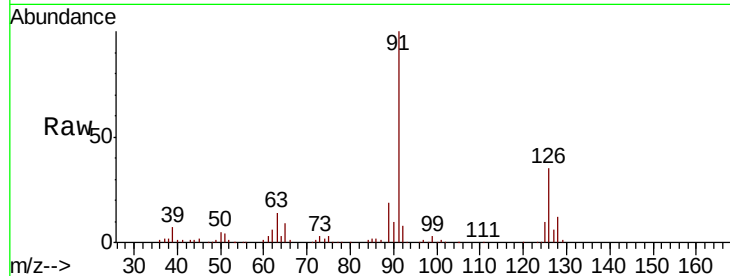




#79
 2-Chlorotoluene
 Concen: 20.270 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX011501.D
 Acq: 12 Aug 2019 22:53

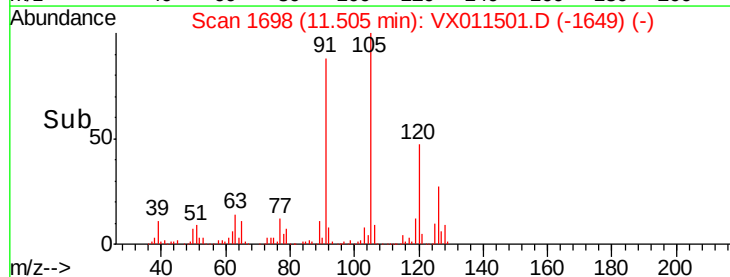
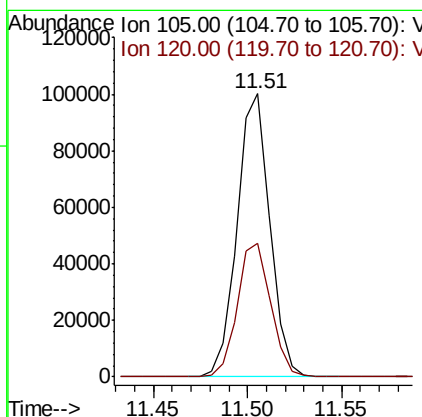
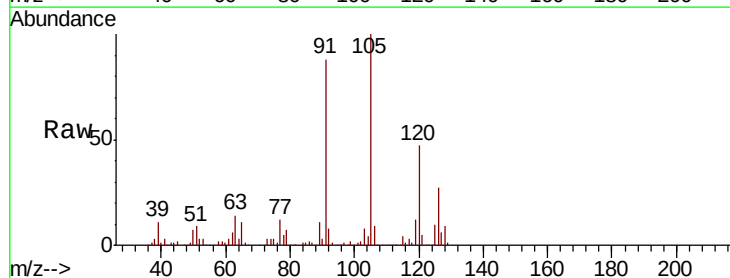
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0812WBS02

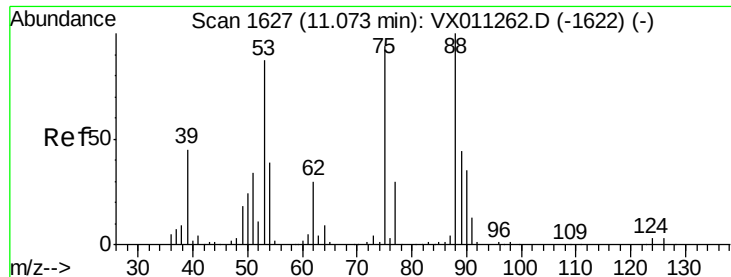
Tgt Ion: 91 Resp: 97169
 Ion Ratio Lower Upper
 91 100
 126 35.7 18.5 55.5



#80
 1,3,5-Trimethylbenzene
 Concen: 19.959 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX011501.D
 Acq: 12 Aug 2019 22:53

Tgt Ion: 105 Resp: 120835
 Ion Ratio Lower Upper
 105 100
 120 48.0 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.284 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBS02

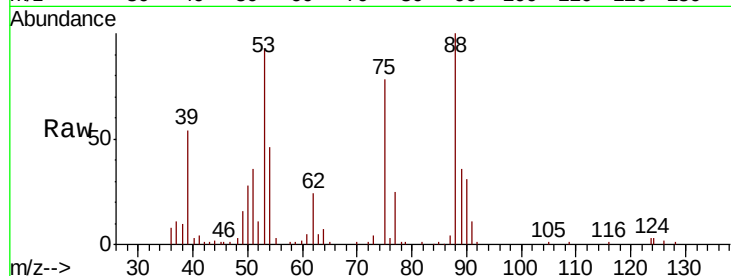
Tgt Ion: 75 Resp: 10909

Ion Ratio Lower Upper

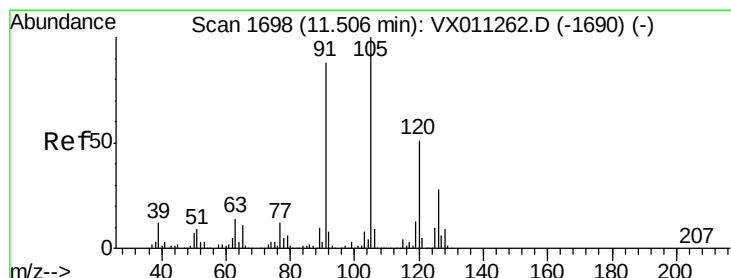
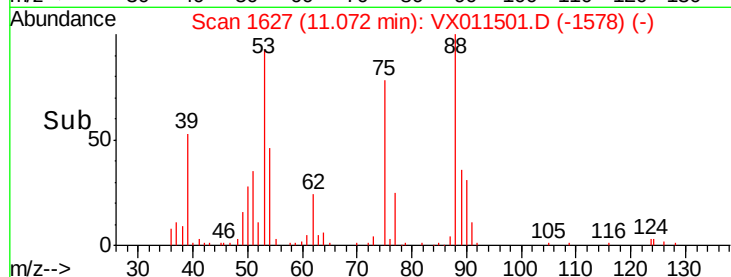
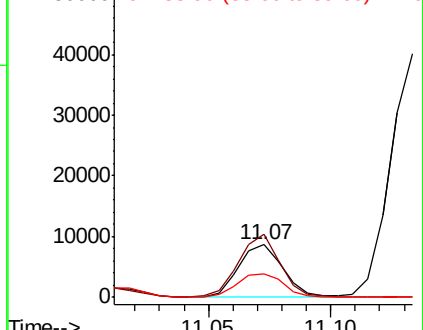
75 100

53 112.6 78.2 117.4

89 47.3 37.9 56.9



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 20.036 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011501.D

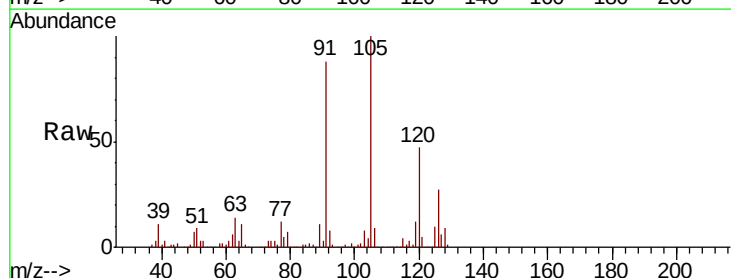
Acq: 12 Aug 2019 22:53

Tgt Ion: 91 Resp: 111937

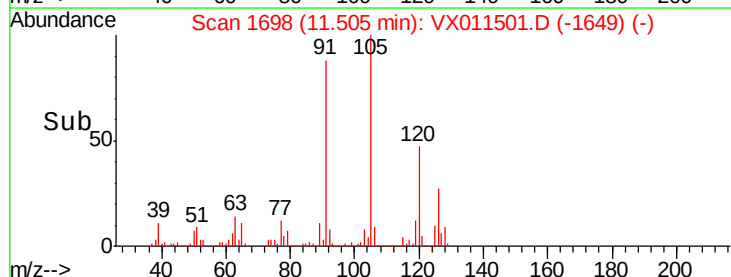
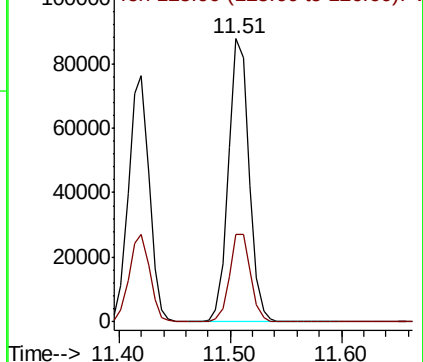
Ion Ratio Lower Upper

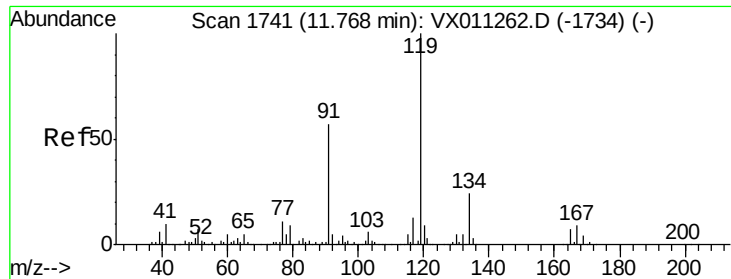
91 100

126 31.5 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V

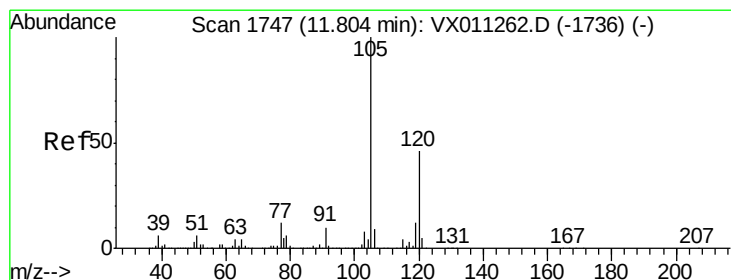
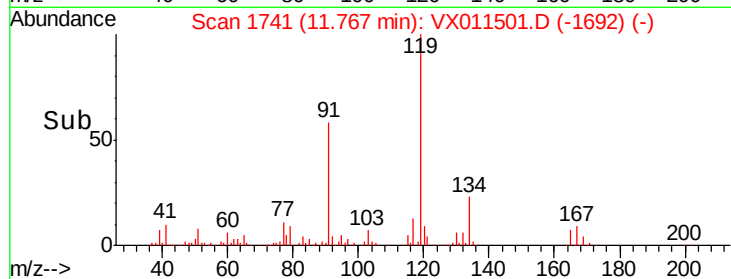
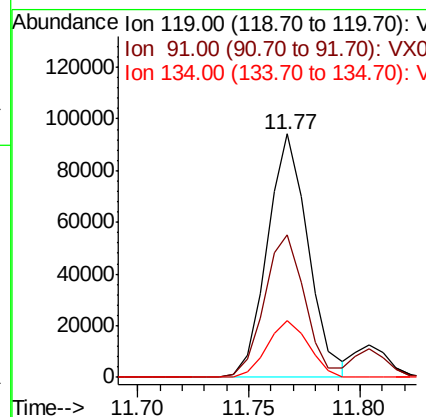
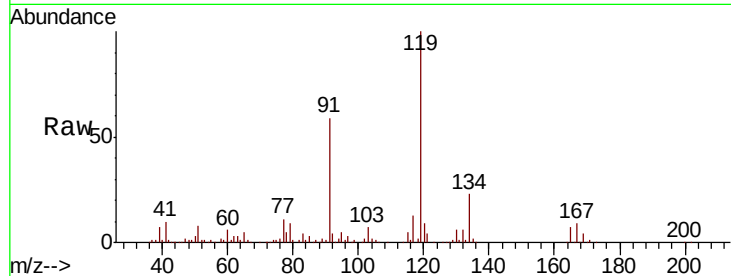




#83
 tert-Butylbenzene
 Concen: 20.141 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX011501.D
 Acq: 12 Aug 2019 22:53

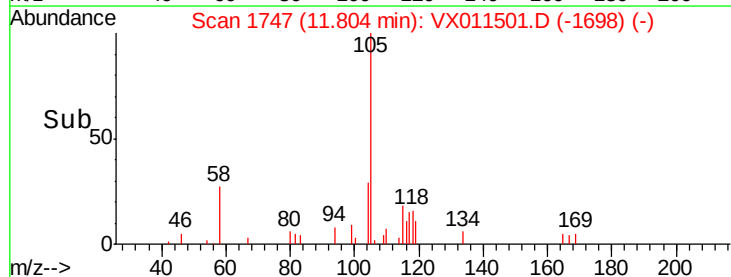
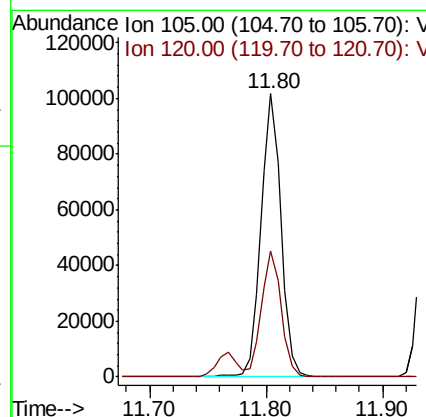
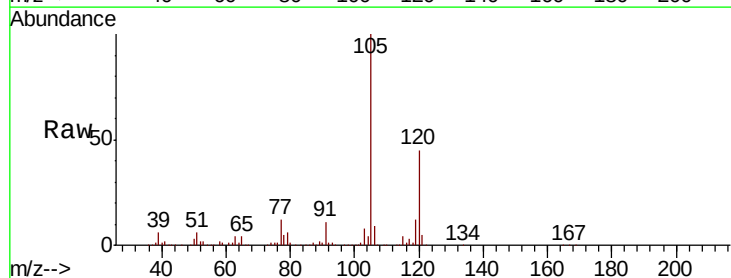
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0812WBS02

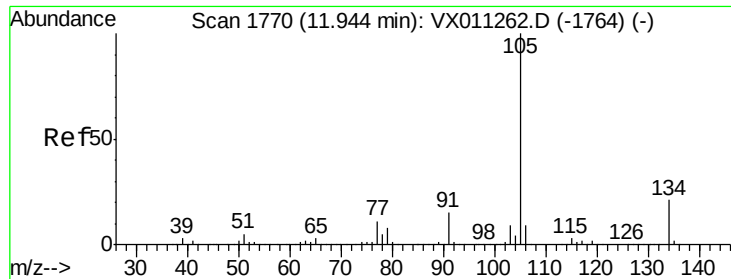
Tgt Ion:119 Resp: 119594
 Ion Ratio Lower Upper
 119 100
 91 58.7 28.0 84.0
 134 23.6 11.9 35.5



#84
 1,2,4-Trimethylbenzene
 Concen: 20.259 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX011501.D
 Acq: 12 Aug 2019 22:53

Tgt Ion:105 Resp: 122120
 Ion Ratio Lower Upper
 105 100
 120 44.0 23.0 69.0

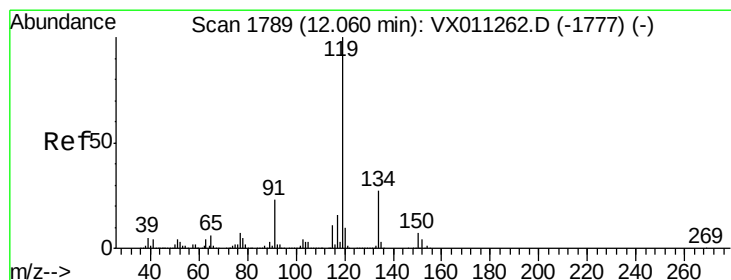
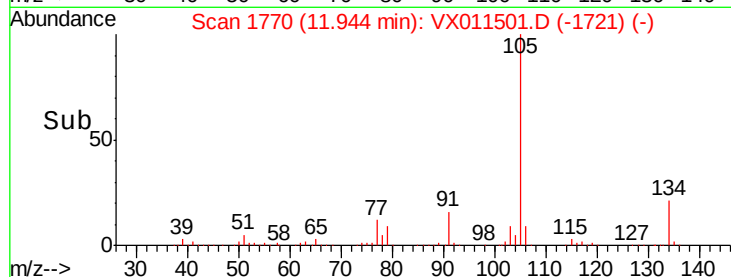
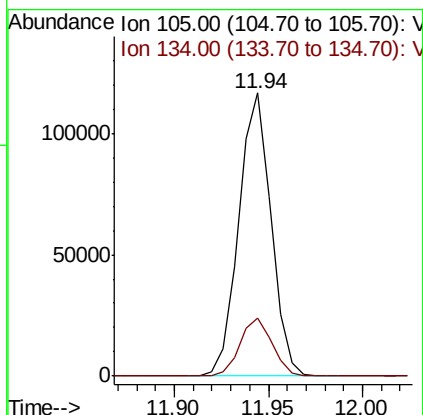
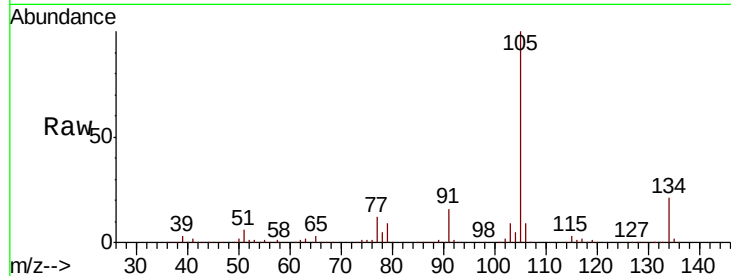




#85
 sec-Butylbenzene
 Concen: 19.452 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX011501.D
 Acq: 12 Aug 2019 22:53

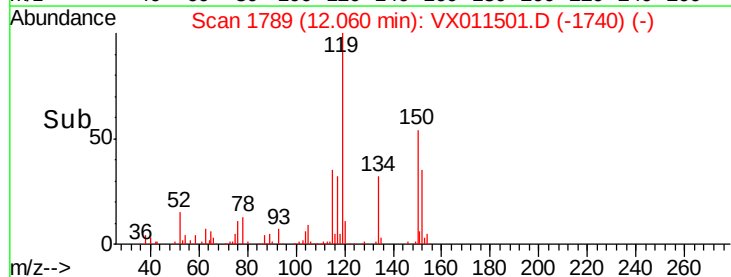
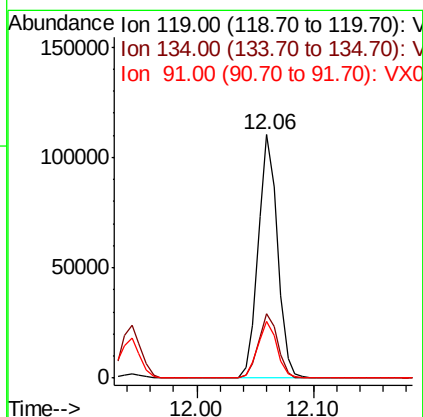
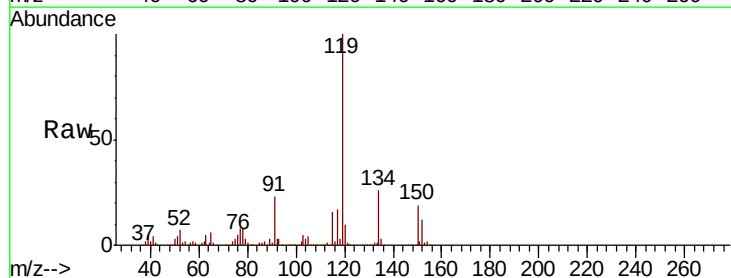
Instrument :
 MSVOA_X
 ClientSampled :
 VX0812WBS02

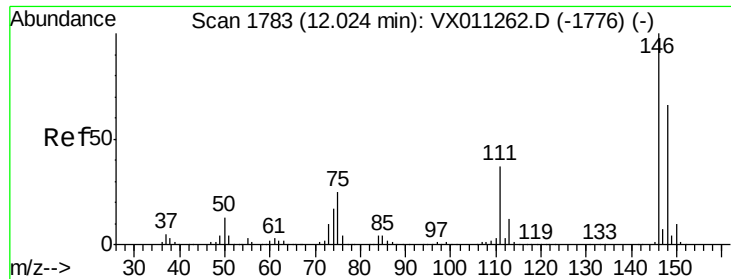
Tgt Ion:105 Resp: 138772
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 19.450 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX011501.D
 Acq: 12 Aug 2019 22:53

Tgt Ion:119 Resp: 127655
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.7 41.0
 91 23.7 11.4 34.2

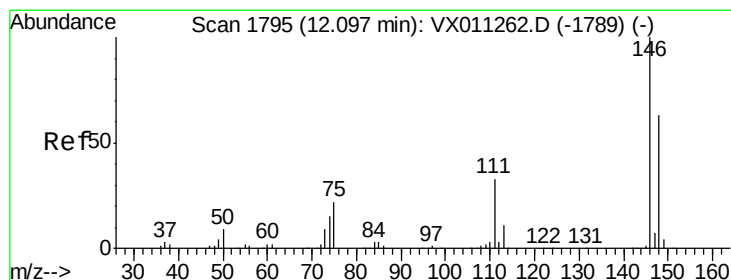
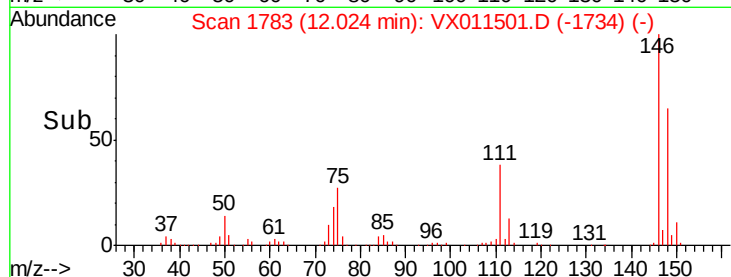
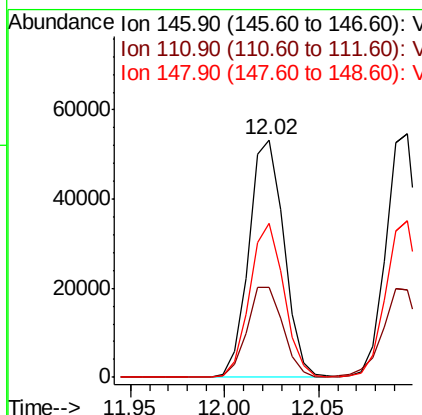
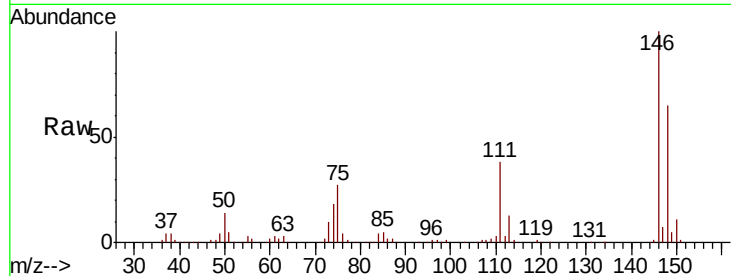




#87
 1,3-Dichlorobenzene
 Concen: 19.449 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX011501.D
 Acq: 12 Aug 2019 22:53

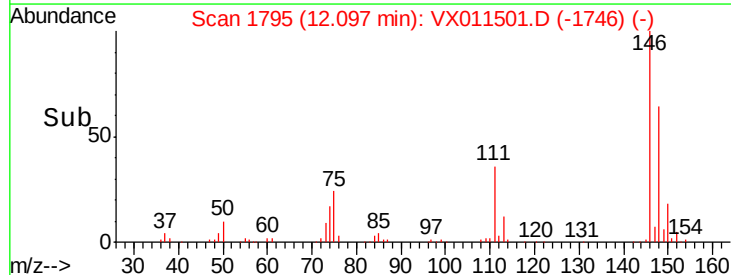
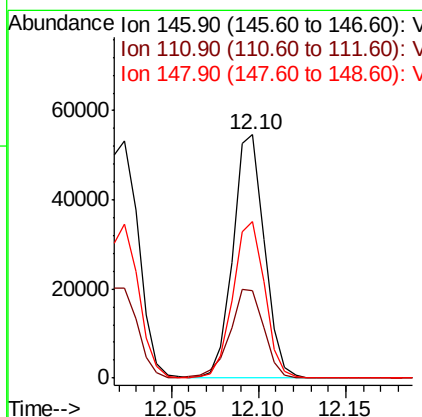
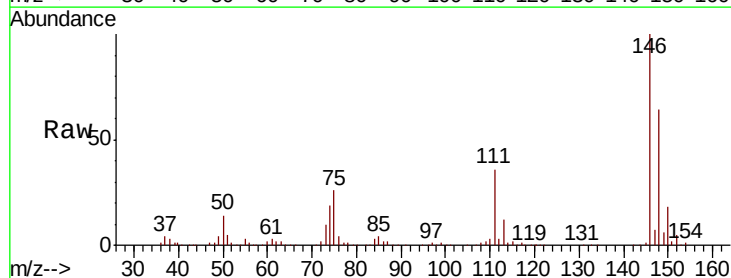
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0812WBS02

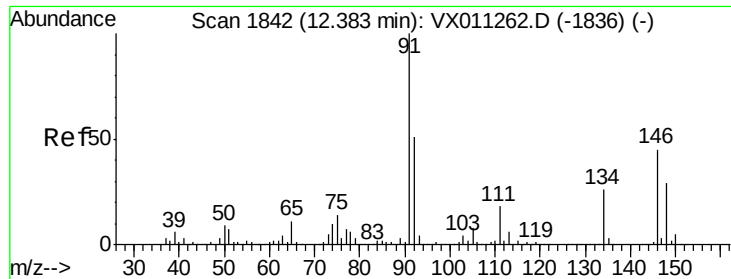
Tgt Ion:146 Resp: 68919
 Ion Ratio Lower Upper
 146 100
 111 38.8 18.6 55.8
 148 63.4 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 18.773 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX011501.D
 Acq: 12 Aug 2019 22:53

Tgt Ion:146 Resp: 68597
 Ion Ratio Lower Upper
 146 100
 111 38.9 17.8 53.4
 148 64.9 31.8 95.3

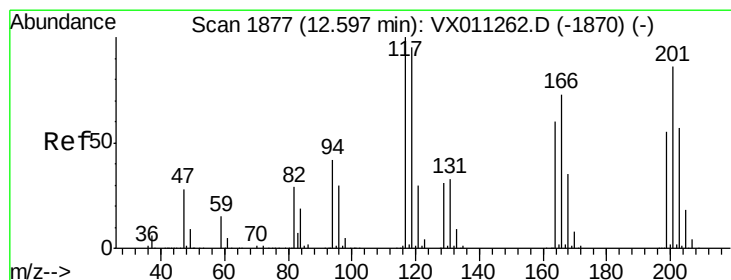
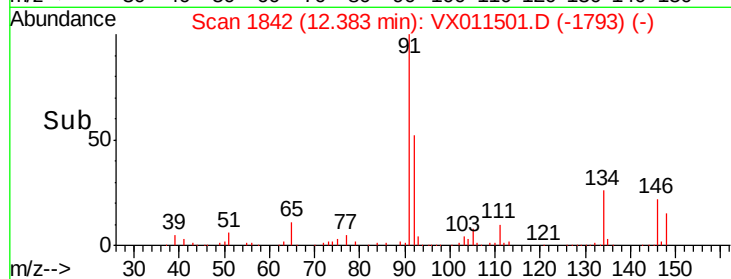
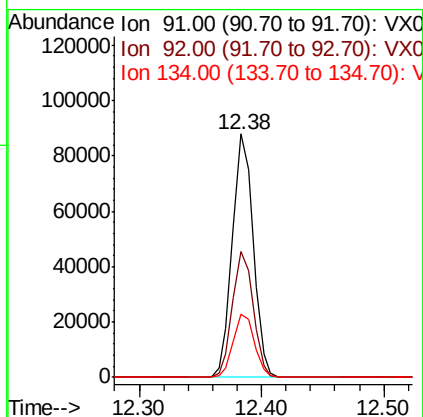
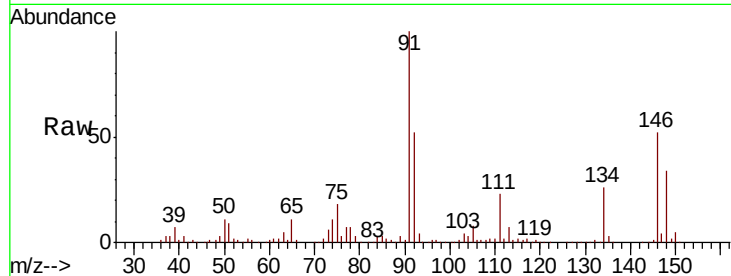




#89
n-Butylbenzene
Concen: 18.302 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

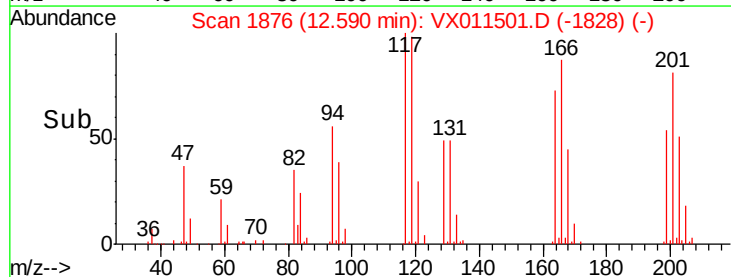
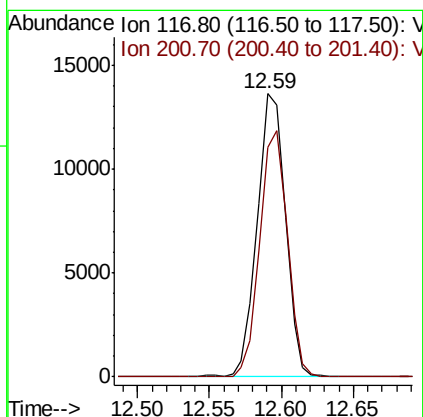
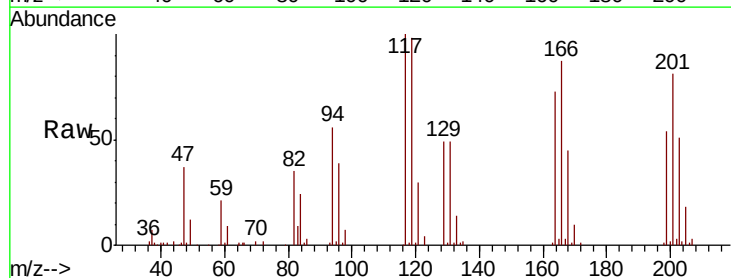
Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS02

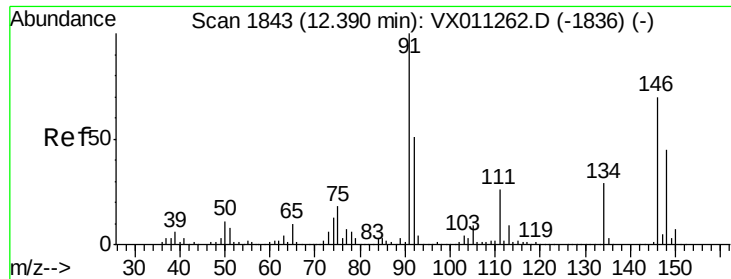
Tgt Ion: 91 Resp: 103488
Ion Ratio Lower Upper
91 100
92 51.6 25.8 77.3
134 26.3 13.7 41.0



#90
Hexachloroethane
Concen: 18.961 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

Tgt Ion: 117 Resp: 18398
Ion Ratio Lower Upper
117 100
201 85.1 41.8 125.4





#91

1,2-Dichlorobenzene

Concen: 19.483 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBS02

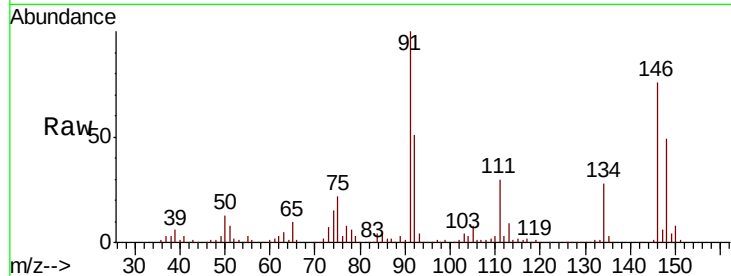
Tgt Ion:146 Resp: 69367

Ion Ratio Lower Upper

146 100

111 41.2 19.1 57.1

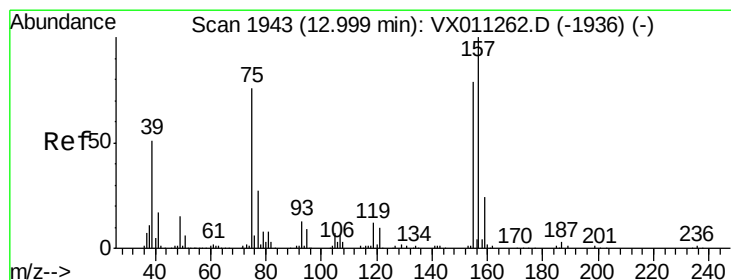
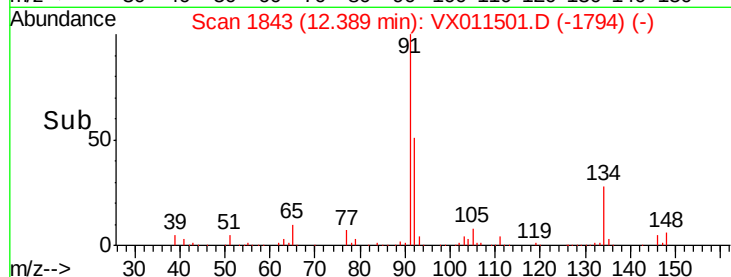
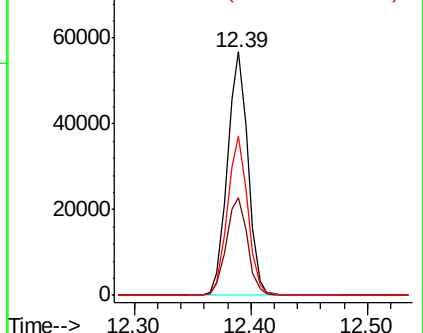
148 65.0 32.3 96.8



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.028 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

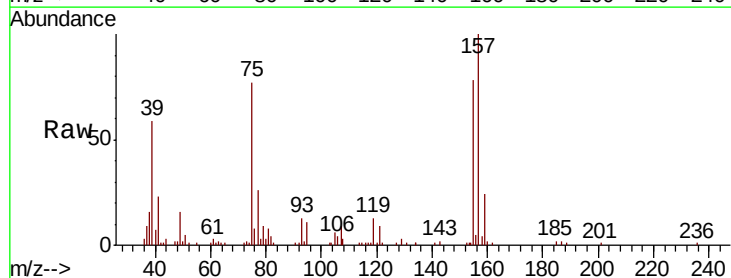
Tgt Ion: 75 Resp: 9819

Ion Ratio Lower Upper

75 100

155 96.6 51.9 155.8

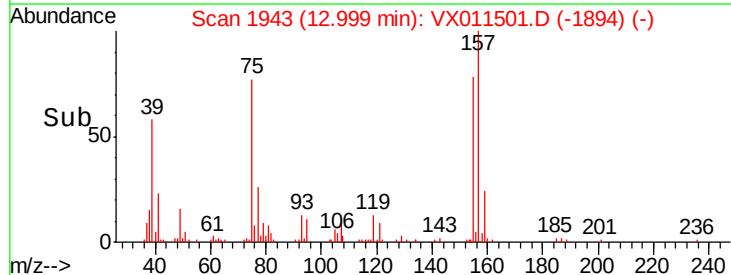
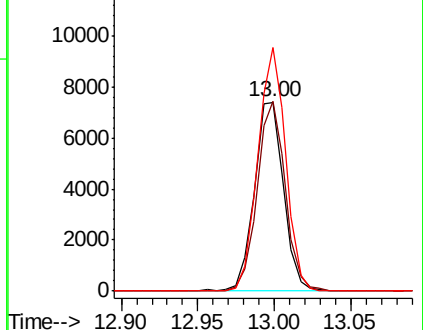
157 122.4 64.3 192.7

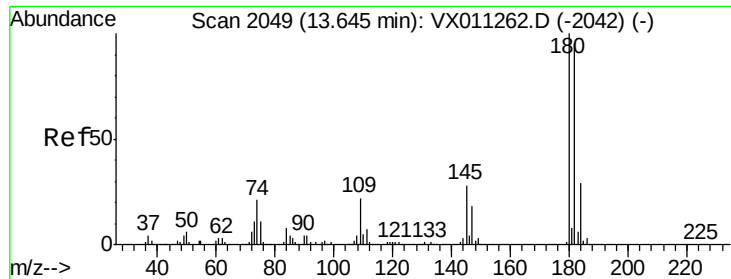


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

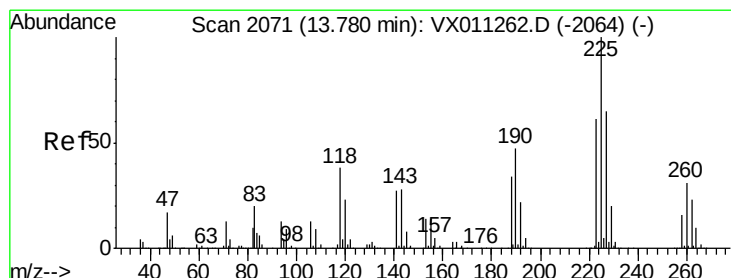
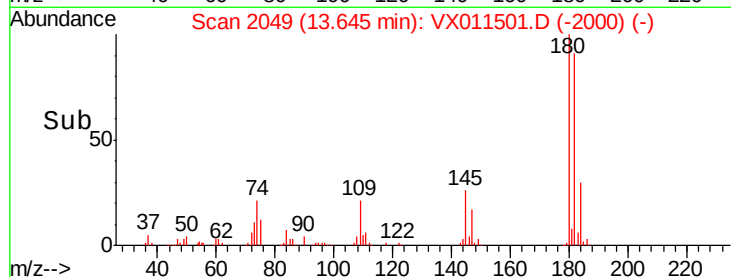
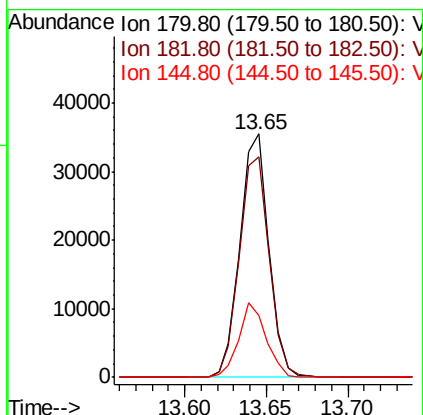
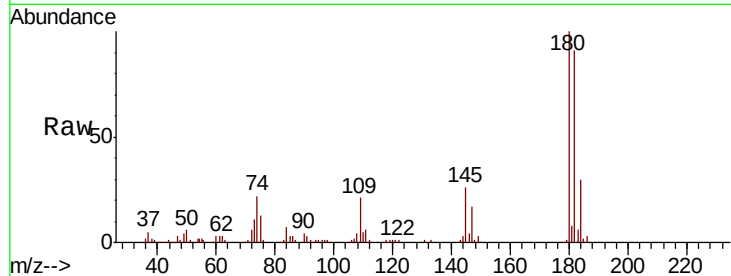




#93
 1,2,4-Trichlorobenzene
 Concen: 18.582 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX011501.D
 Acq: 12 Aug 2019 22:53

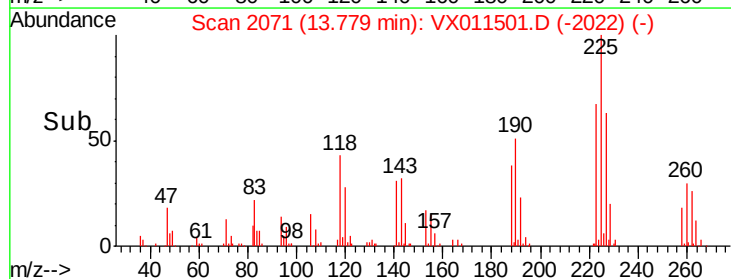
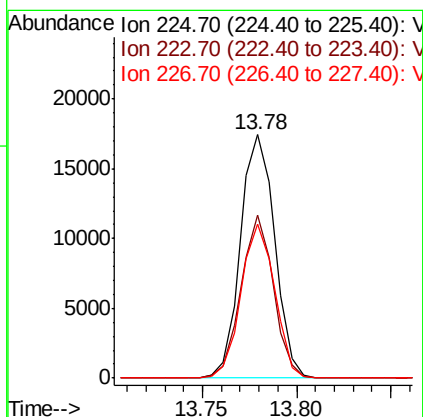
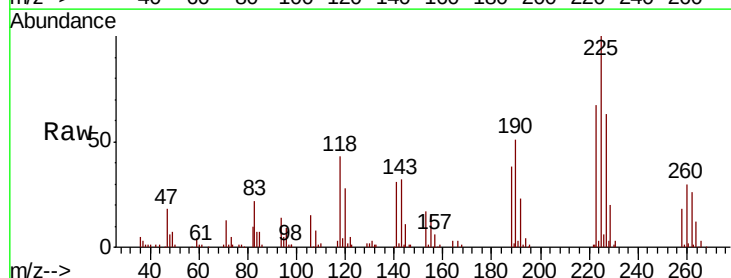
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0812WBS02

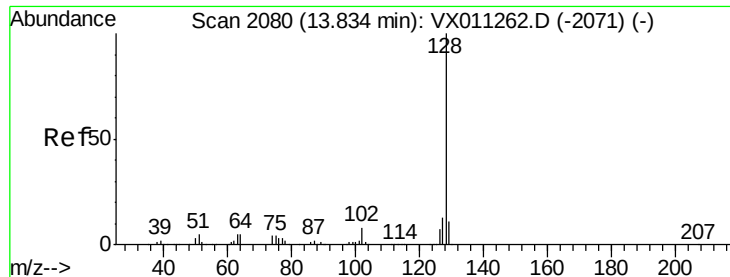
Tgt Ion:180 Resp: 43877
 Ion Ratio Lower Upper
 180 100
 182 94.2 47.8 143.4
 145 29.0 14.8 44.3



#94
 Hexachlorobutadiene
 Concen: 18.388 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX011501.D
 Acq: 12 Aug 2019 22:53

Tgt Ion:225 Resp: 22028
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.0 93.0
 227 62.0 32.2 96.6

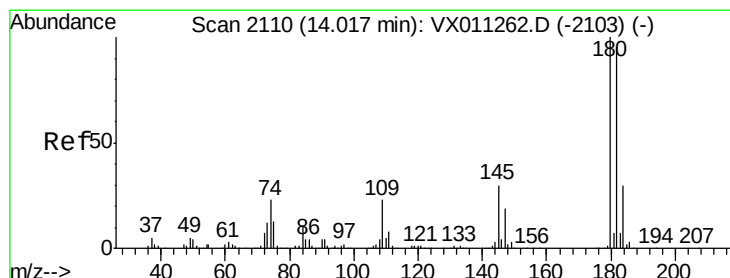
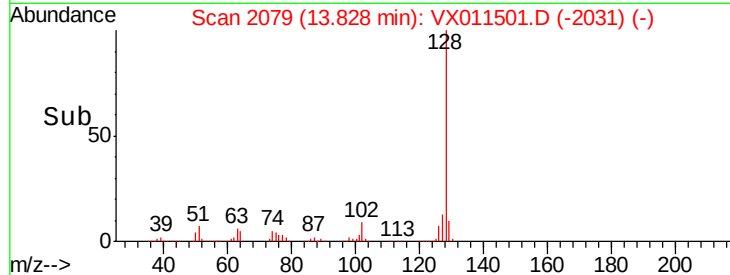
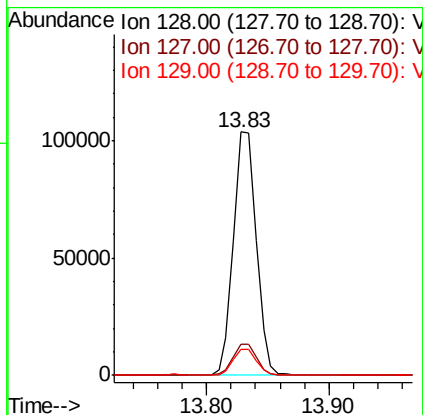
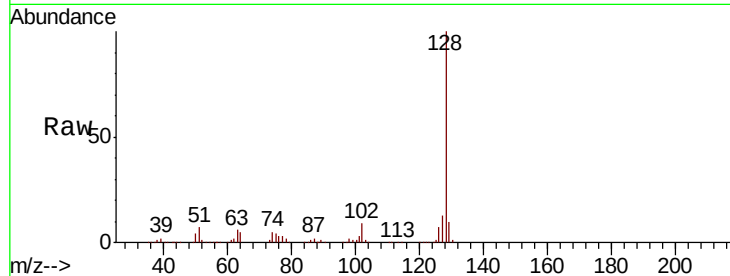




#95
Naphthalene
Concen: 19.390 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

Instrument :
MSVOA_X
ClientSampled :
VX0812WBS02

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.0	8.9	13.3



#96
1,2,3-Trichlorobenzene
Concen: 18.452 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.4	142.3
145	30.8	15.2	45.6

