

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050919\
 Data File : VX009442.D
 Acq On : 09 May 2019 20:51
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 10 07:10:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	140110	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	239861	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	221367	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	110984	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	105275	55.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.08%	
35) Dibromofluoromethane	5.50	113	79072	52.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.88%	
50) Toluene-d8	8.71	98	304253	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
62) 4-Bromofluorobenzene	11.13	95	115310	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.20	85	56610	43.845	ug/l	99
3) Chloromethane	1.32	50	94593	53.663	ug/l	99
4) Vinyl Chloride	1.41	62	88675	51.589	ug/l	98
5) Bromomethane	1.64	94	48218	46.737	ug/l	98
6) Chloroethane	1.71	64	65373	59.237	ug/l	99
7) Trichlorofluoromethane	1.92	101	104920	50.215	ug/l	98
8) Diethyl Ether	2.19	74	57530	58.128	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	62094	47.325	ug/l	99
10) Methyl Iodide	2.51	142	70417	46.541	ug/l	99
11) Tert butyl alcohol	3.06	59	133985	302.630	ug/l	99
12) 1,1-Dichloroethene	2.37	96	70309	53.482	ug/l	97
13) Acrolein	2.29	56	109072	272.030	ug/l	98
14) Allyl chloride	2.73	41	176771	55.176	ug/l	100
15) Acrylonitrile	3.14	53	321967	297.423	ug/l	99
16) Acetone	2.45	43	283744	276.277	ug/l	99
17) Carbon Disulfide	2.57	76	201041	54.469	ug/l	100
18) Methyl Acetate	2.78	43	136230	55.775	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	302740	59.302	ug/l	100
20) Methylene Chloride	2.85	84	94481	56.817	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	79160	55.523	ug/l	98
22) Diisopropyl ether	3.85	45	358953	58.260	ug/l	98
23) Vinyl Acetate	3.81	43	1638346	310.532	ug/l	100
24) 1,1-Dichloroethane	3.70	63	169923	55.907	ug/l	99
25) 2-Butanone	4.67	43	475382	297.864	ug/l	99
26) 2,2-Dichloropropane	4.58	77	110004	48.624	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	97131	57.077	ug/l	98
28) Bromochloromethane	5.01	49	67256	55.258	ug/l	100
29) Tetrahydrofuran	5.13	42	314139	305.880	ug/l	100
30) Chloroform	5.21	83	159524	58.031	ug/l	100
31) Cyclohexane	5.58	56	142507	50.396	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	123287	53.875	ug/l	99
36) 1,1-Dichloropropene	5.80	75	111312	49.937	ug/l	100
37) Ethyl Acetate	4.83	43	177784	57.244	ug/l	99
38) Carbon Tetrachloride	5.79	117	99324	49.043	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	124635	45.529	ug/l	99
40) Benzene	6.14	78	371813	53.897	ug/l	100
41) Methacrylonitrile	5.04	41	102241	55.303	ug/l	99
42) 1,2-Dichloroethane	6.19	62	138911	56.134	ug/l	100
43) Isopropyl Acetate	6.45	43	279997	56.362	ug/l	100
44) Trichloroethene	7.21	130	85548	51.296	ug/l	100
45) 1,2-Dichloropropane	7.51	63	107374	54.968	ug/l	98
46) Dibromomethane	7.66	93	62511	55.107	ug/l	98
47) Bromodichloromethane	7.90	83	124587	55.060	ug/l	98
48) Methyl methacrylate	7.77	41	142706	57.901	ug/l	99
49) 1,4-Dioxane	7.74	88	56401	1128.411	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	940593	289.675	ug/l	100
52) Toluene	8.79	92	226856	54.098	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	143857	56.312	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	158469	56.043	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	96036	56.135	ug/l	97
56) Ethyl methacrylate	9.18	69	175805	57.568	ug/l	99
57) 1,3-Dichloropropane	9.37	76	167277	55.563	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	422348	260.696	ug/l	100
59) 2-Hexanone	9.49	43	738117	289.435	ug/l	99
60) Dibromochloromethane	9.58	129	95056	56.888	ug/l	99
61) 1,2-Dibromoethane	9.67	107	98774	57.196	ug/l	99
64) Tetrachloroethene	9.34	164	75377	49.640	ug/l	98
65) Chlorobenzene	10.13	112	236526	53.412	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	86779	54.053	ug/l	100
67) Ethyl Benzene	10.25	91	427511	52.456	ug/l	100
68) m/p-Xylenes	10.36	106	316577	106.298	ug/l	99
69) o-Xylene	10.69	106	157185	53.493	ug/l	100
70) Styrene	10.71	104	280578	54.937	ug/l	99
71) Bromoform	10.85	173	74768	57.308	ug/l #	99
73) Isopropylbenzene	11.02	105	399457	49.495	ug/l	99
74) N-amyl acetate	10.90	43	262116	55.707	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	160530	53.357	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	189378	73.561	ug/l	82
77) Bromobenzene	11.26	156	106734	53.283	ug/l	99
78) n-propylbenzene	11.36	91	459559	49.860	ug/l	100
79) 2-Chlorotoluene	11.42	91	284460	50.024	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	345840	50.892	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	53957	53.626	ug/l	97
82) 4-Chlorotoluene	11.51	91	328274	51.101	ug/l	100
83) tert-Butylbenzene	11.77	119	329073	49.780	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	354457	51.966	ug/l	98
85) sec-Butylbenzene	11.94	105	376899	48.090	ug/l	100
86) p-Isopropyltoluene	12.06	119	349115	49.550	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	185224	51.869	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	187465	52.070	ug/l	100
89) n-Butylbenzene	12.38	91	306010	48.053	ug/l	100
90) Hexachloroethane	12.60	117	59397	49.482	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	189263	52.035	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	36303	53.789	ug/l	99

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Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

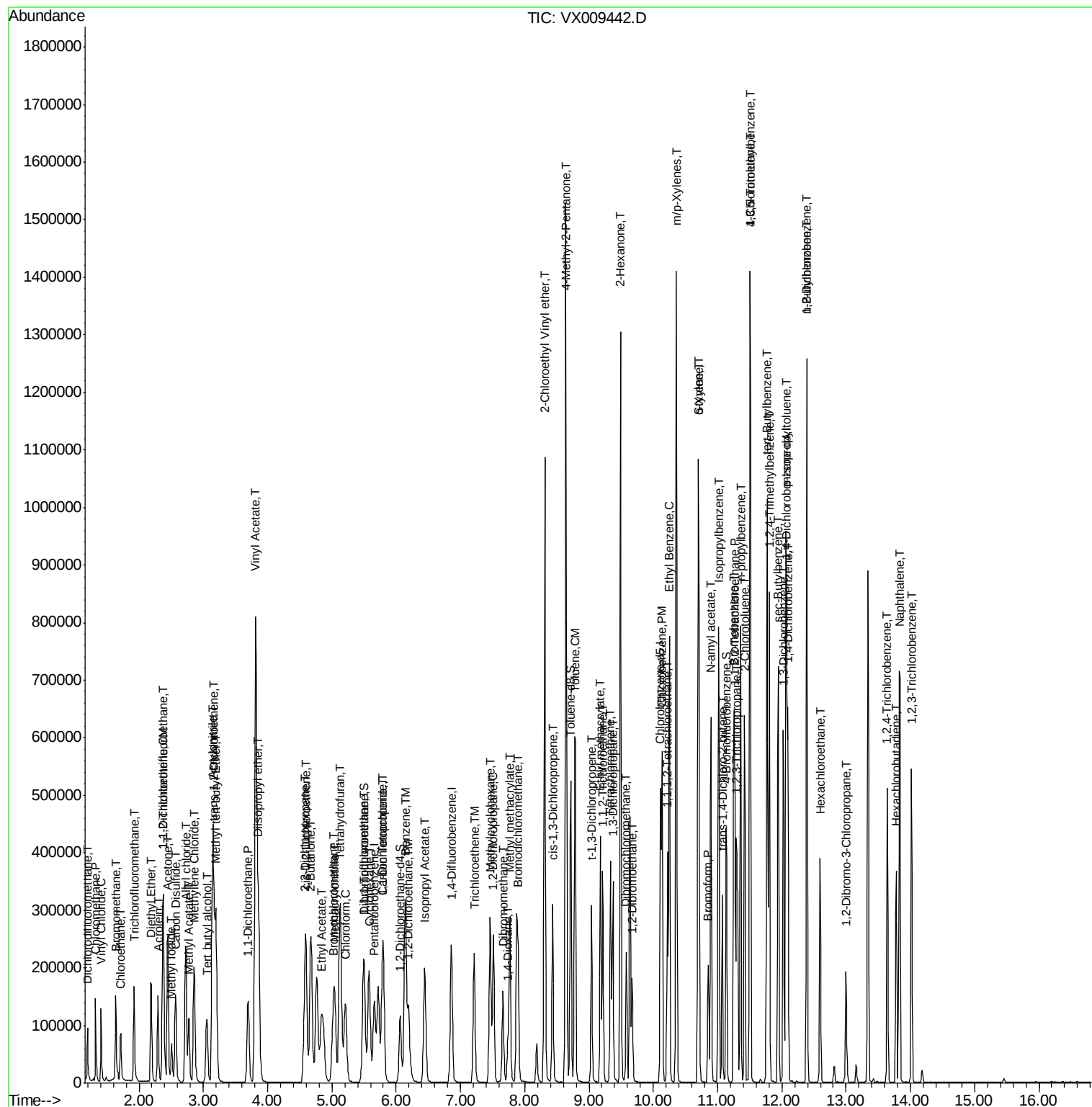
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	128905	51.826	ug/l	98
94) Hexachlorobutadiene	13.78	225	57009	44.884	ug/l	99
95) Naphthalene	13.83	128	439603	54.325	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	131685	52.230	ug/l	99

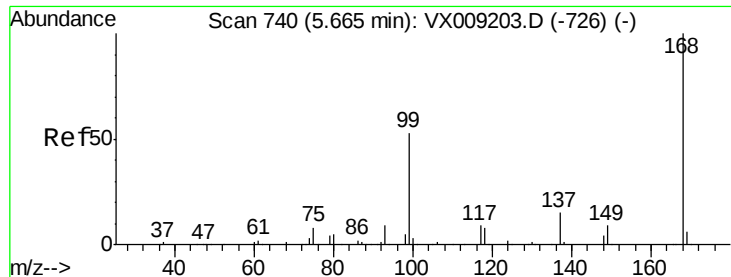
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampled :

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Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009442.D

Acq: 09 May 2019 20:51

Instrument :

MSVOA_X

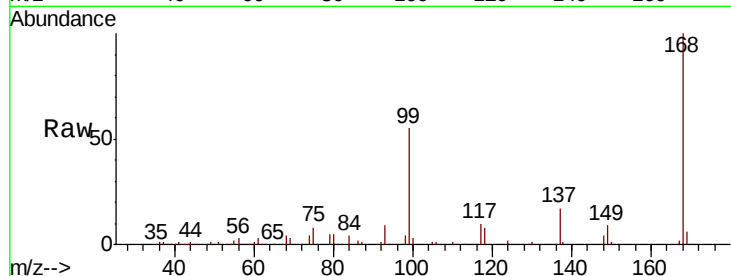
ClientSampleId :

Tot Ion:168 Resp: 140110

Ion Ratio Lower Upper

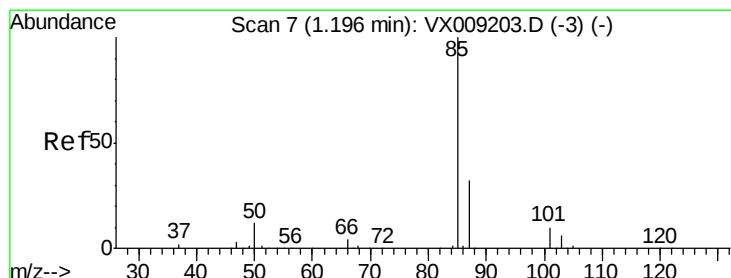
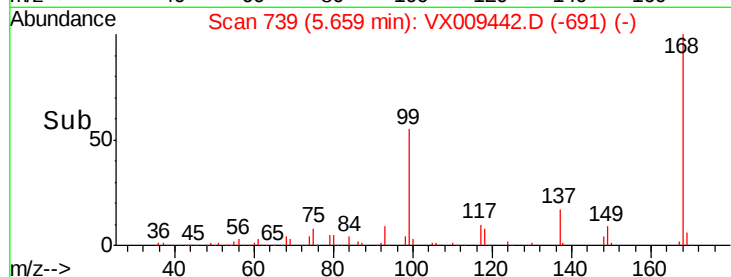
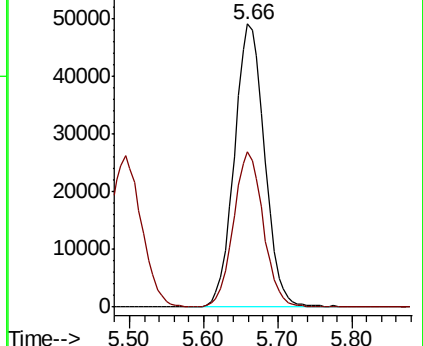
168 100

99 54.7 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 43.845 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009442.D

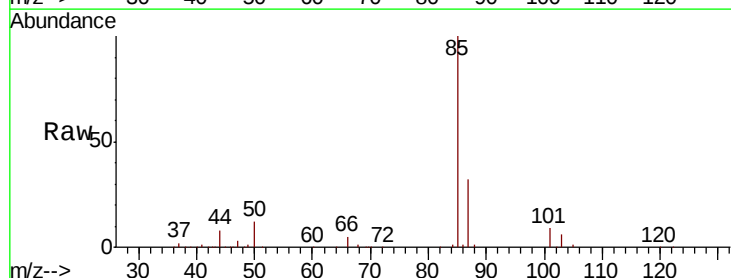
Acq: 09 May 2019 20:51

Tgt Ion: 85 Resp: 56610

Ion Ratio Lower Upper

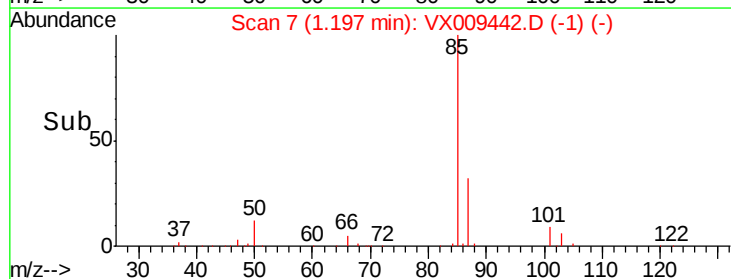
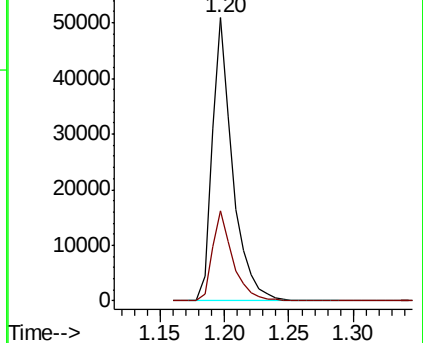
85 100

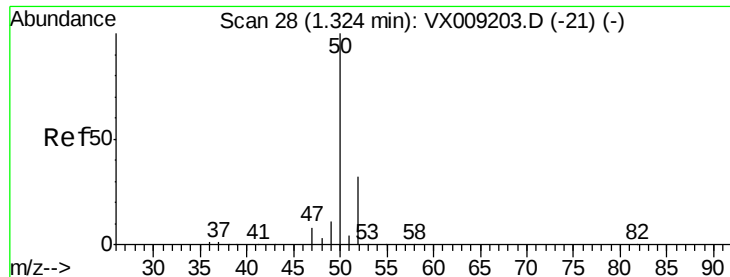
87 31.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 53.663 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009442.D

Acq: 09 May 2019 20:51

Instrument :

MSVOA_X

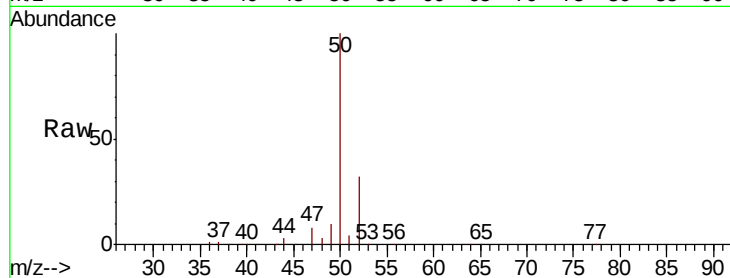
ClientSampled :

Tot Ion: 50 Resp: 94593

Ion Ratio Lower Upper

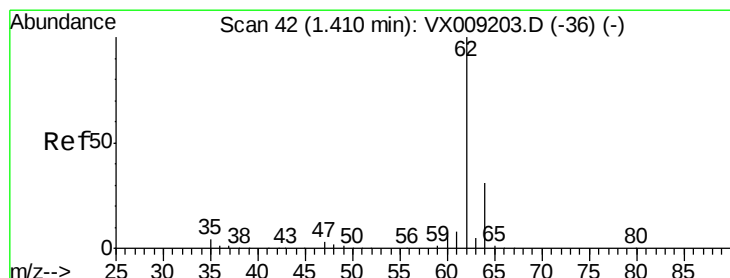
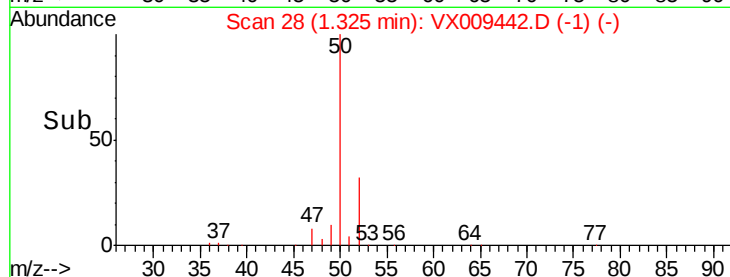
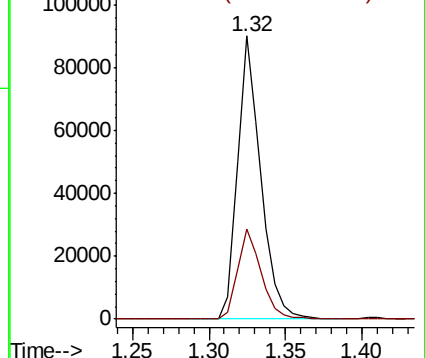
50 100

52 31.6 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 51.589 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009442.D

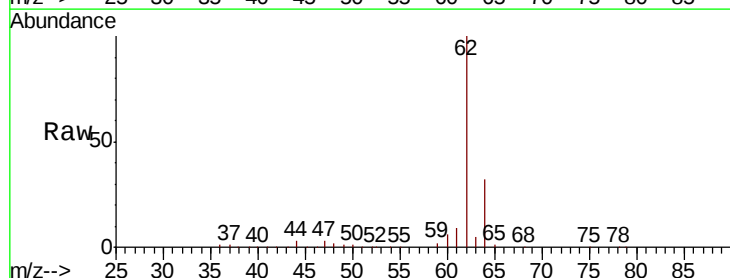
Acq: 09 May 2019 20:51

Tgt Ion: 62 Resp: 88675

Ion Ratio Lower Upper

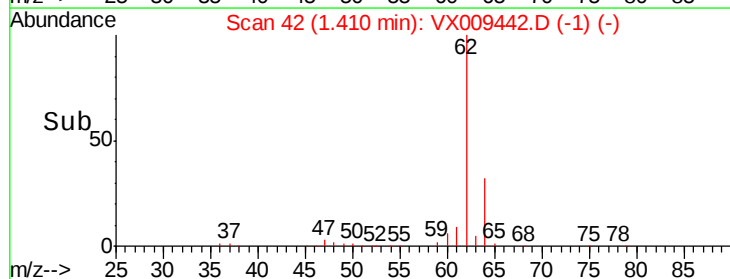
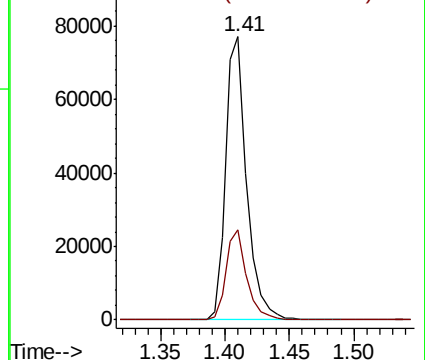
62 100

64 31.7 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 46.737 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009442.D

Acq: 09 May 2019 20:51

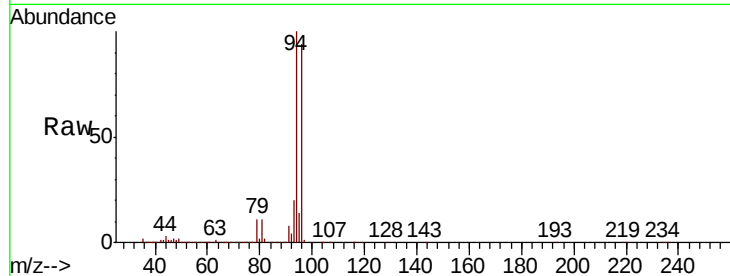
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 94 Resp: 48218

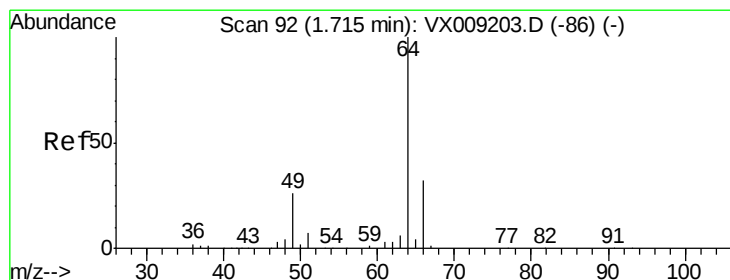
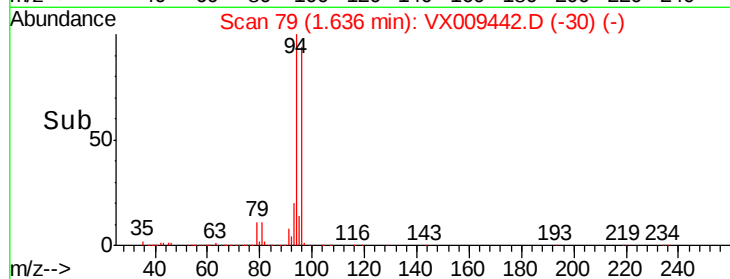
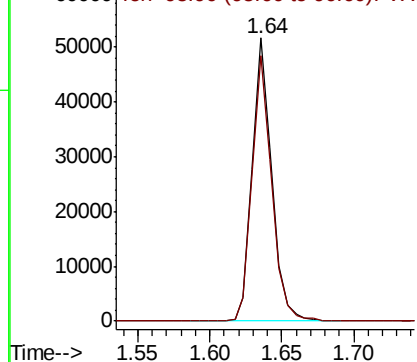
Ion Ratio Lower Upper

94 100

96 93.6 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0
Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 59.237 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX009442.D

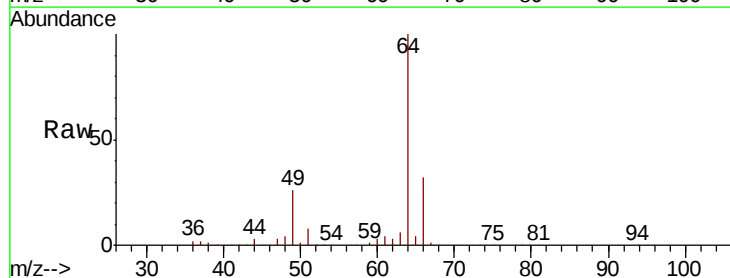
Acq: 09 May 2019 20:51

Tgt Ion: 64 Resp: 65373

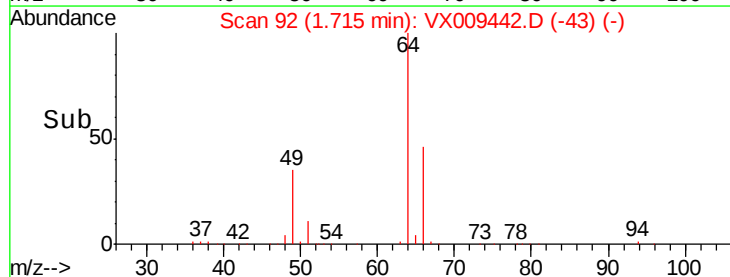
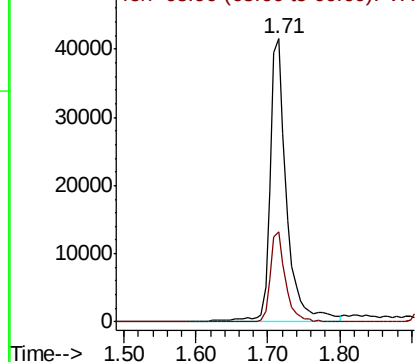
Ion Ratio Lower Upper

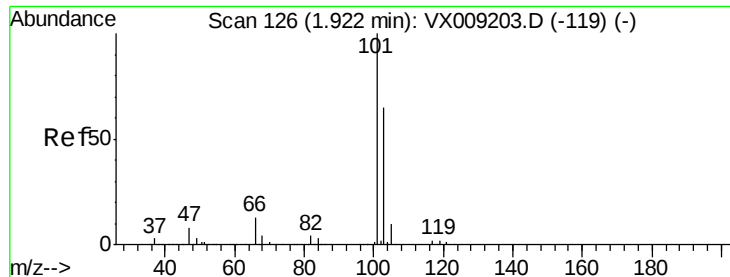
64 100

66 31.9 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0
Ion 65.90 (65.60 to 66.60): VX0



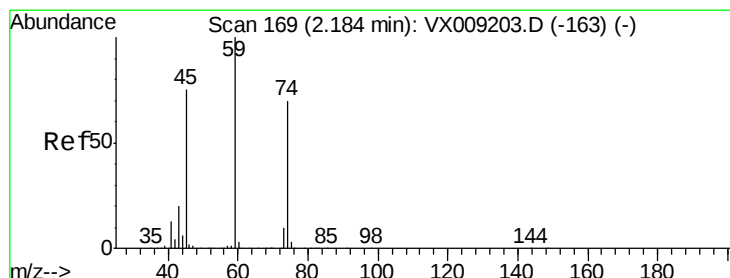
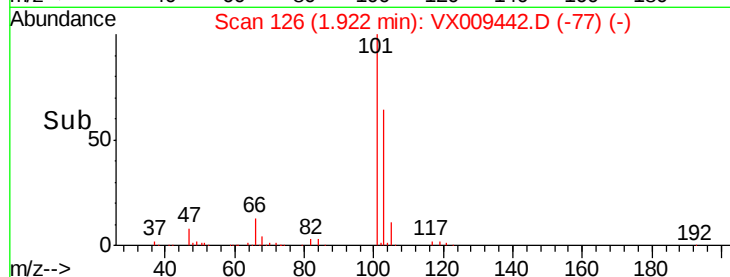
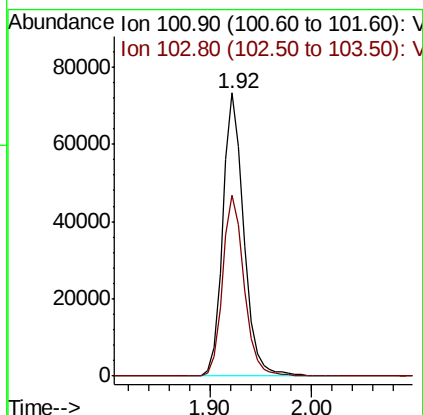
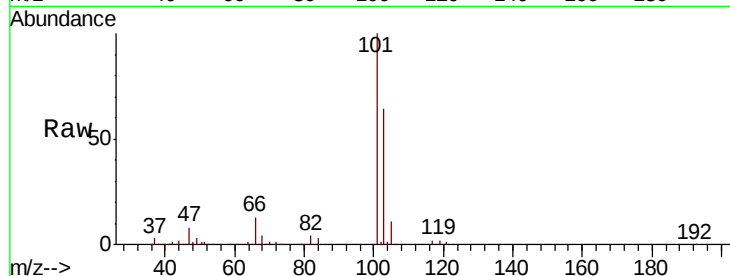


#7

Trichlorofluoromethane
 Concen: 50.215 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX009442.D
 Acq: 09 May 2019 20:51

Instrument :
 MSVOA_X
 ClientSampled :

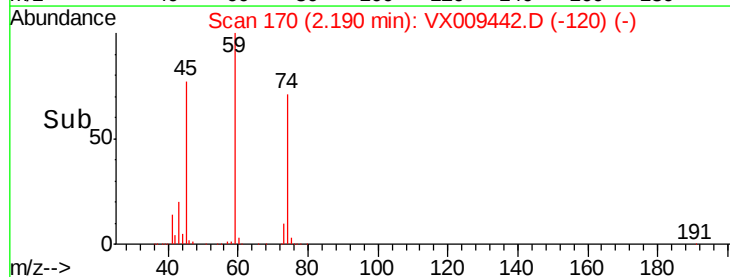
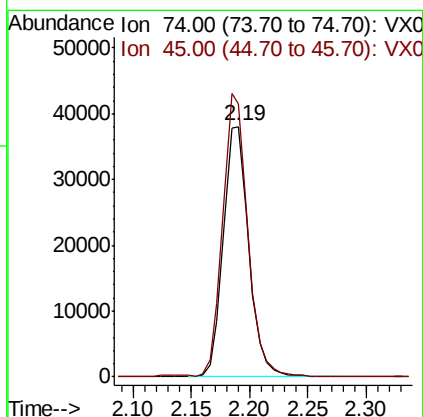
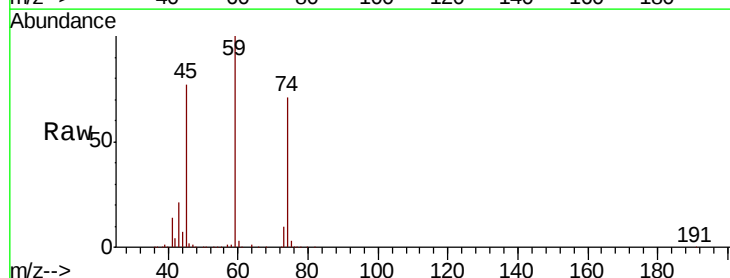
Tot Ion:101 Resp: 104920
 Ion Ratio Lower Upper
 101 100
 103 64.1 52.4 78.6

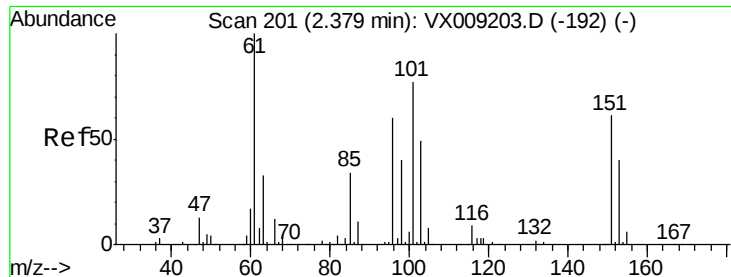


#8

Diethyl Ether
 Concen: 58.128 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009442.D
 Acq: 09 May 2019 20:51

Tgt Ion: 74 Resp: 57530
 Ion Ratio Lower Upper
 74 100
 45 110.7 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.325 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009442.D

Acq: 09 May 2019 20:51

Instrument :

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ClientSampleId :

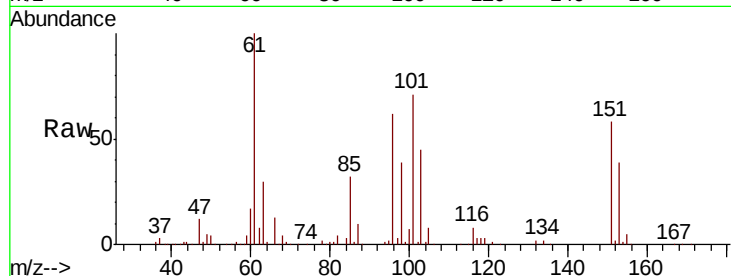
Tot Ion:101 Resp: 62094

Ion Ratio Lower Upper

101 100

85 44.7 35.7 53.5

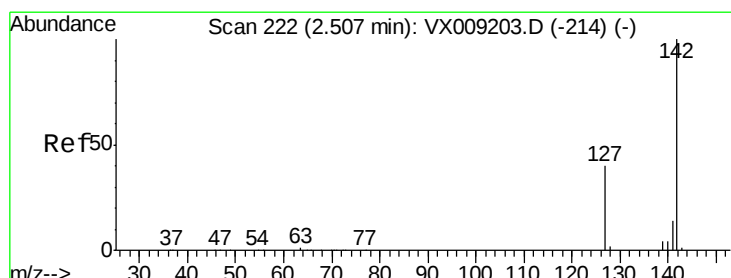
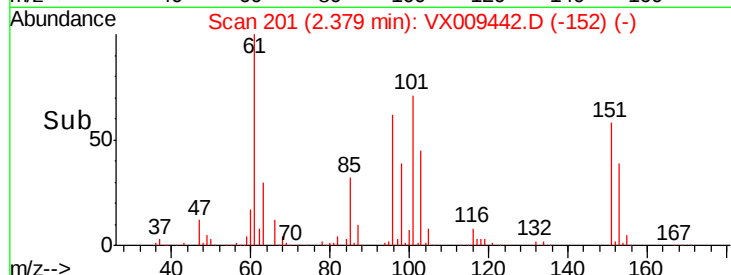
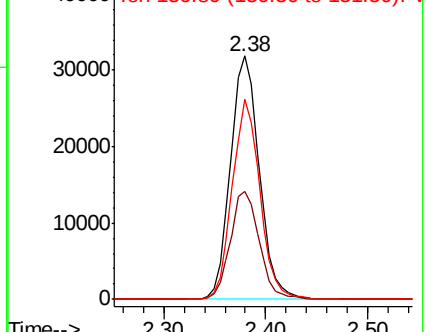
151 79.0 62.2 93.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.541 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009442.D

Acq: 09 May 2019 20:51

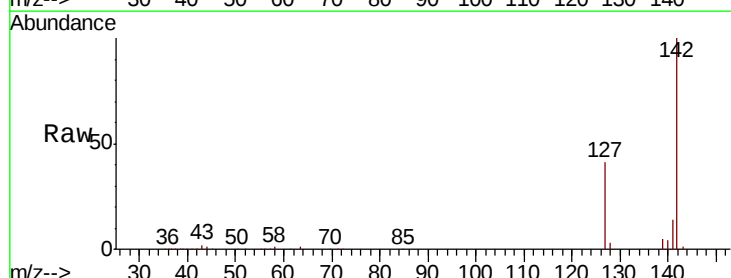
Tgt Ion:142 Resp: 70417

Ion Ratio Lower Upper

142 100

127 41.3 32.7 49.1

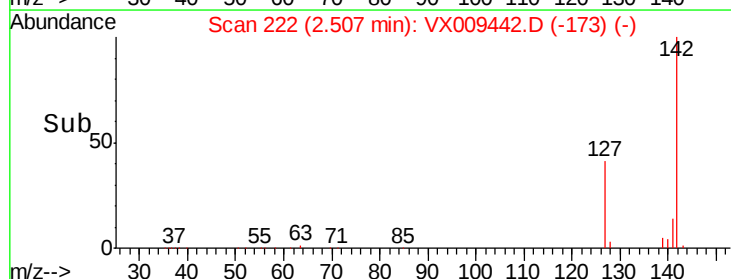
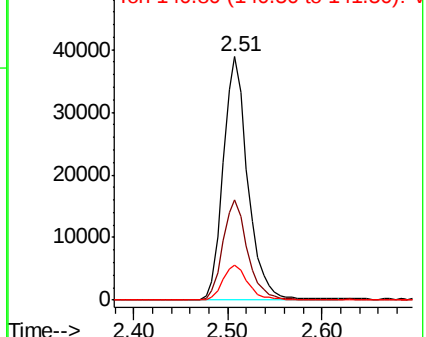
141 14.8 11.5 17.3

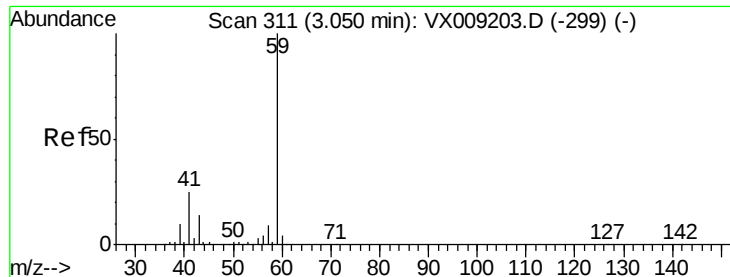


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

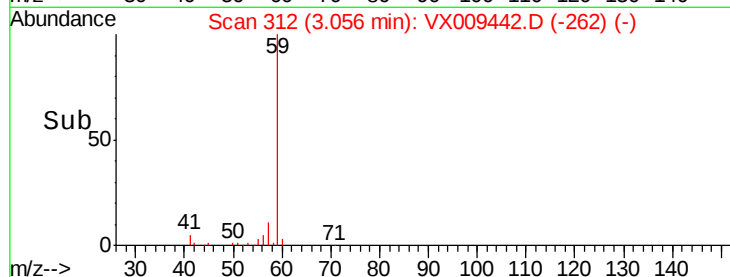
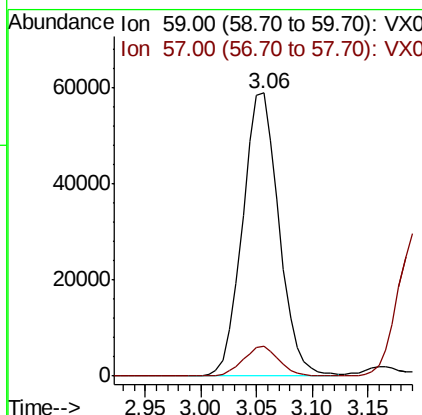
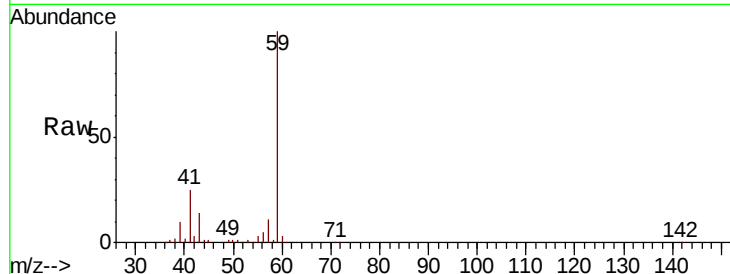




#11
Tert butyl alcohol
Concen: 302.630 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX009442.D
Acq: 09 May 2019 20:51

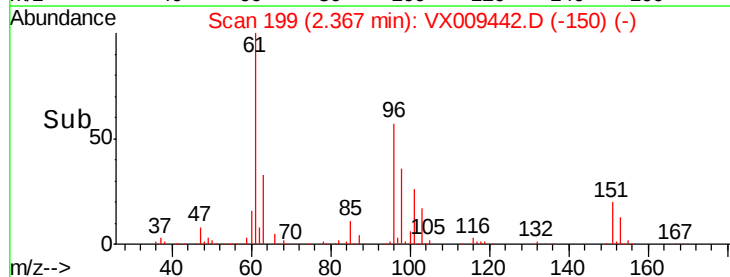
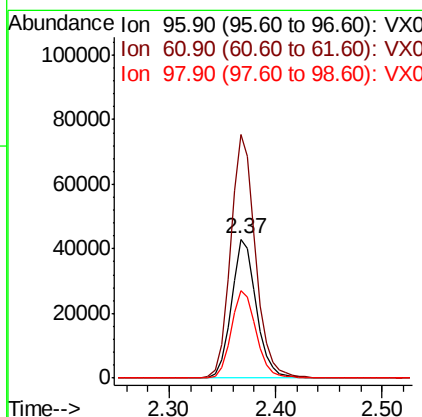
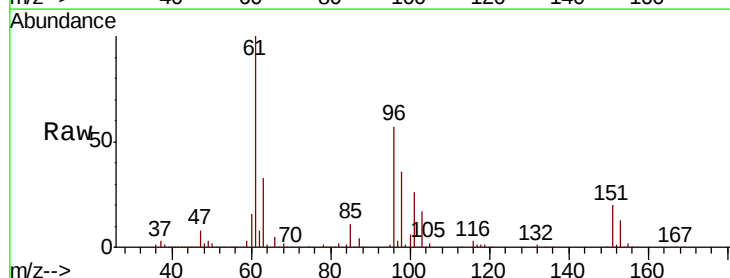
Instrument :
MSVOA_X
ClientSampleId :

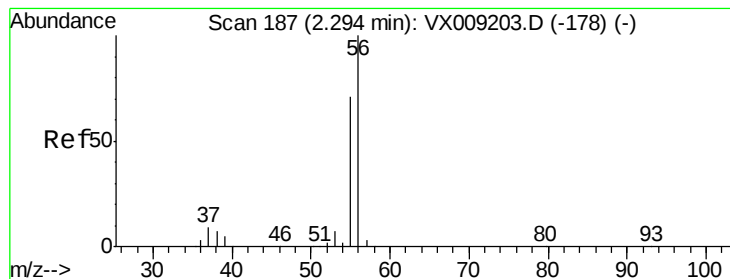
Tot Ion: 59 Resp: 133985
Ion Ratio Lower Upper
59 100
57 10.6 8.2 12.2



#12
1,1-Dichloroethene
Concen: 53.482 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX009442.D
Acq: 09 May 2019 20:51

Tgt Ion: 96 Resp: 70309
Ion Ratio Lower Upper
96 100
61 174.8 144.3 216.5
98 62.4 50.3 75.5





#13

Acrolein

Concen: 272.030 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009442.D

Acq: 09 May 2019 20:51

Instrument :

MSVOA_X

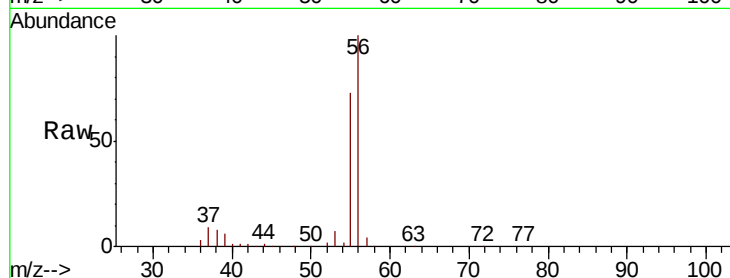
ClientSampleId :

Tot Ion: 56 Resp: 109072

Ion Ratio Lower Upper

56 100

55 72.4 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

80000

60000

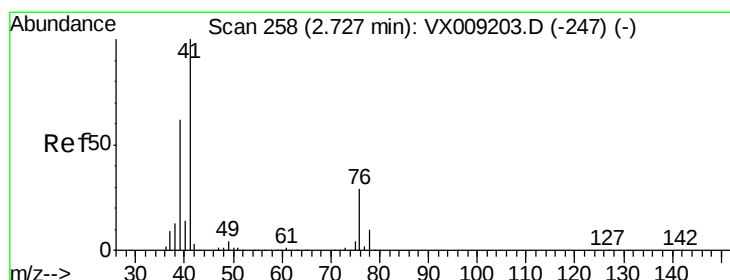
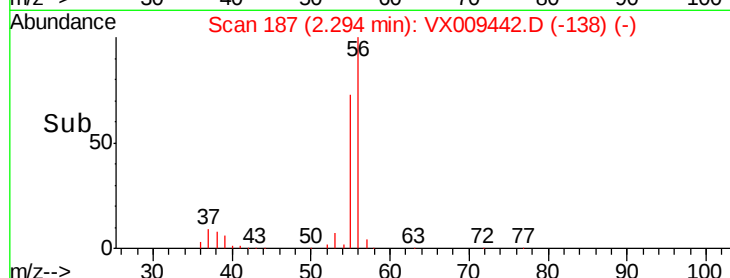
40000

20000

0

Time-->

2.20 2.25 2.30 2.35 2.40



#14

Allyl chloride

Concen: 55.176 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX009442.D

Acq: 09 May 2019 20:51

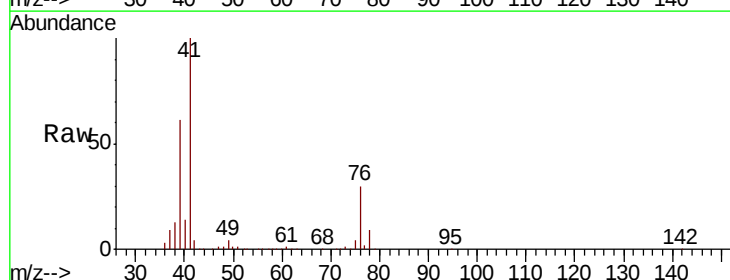
Tgt Ion: 41 Resp: 176771

Ion Ratio Lower Upper

41 100

39 58.3 46.7 70.1

76 26.8 21.8 32.8



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

150000

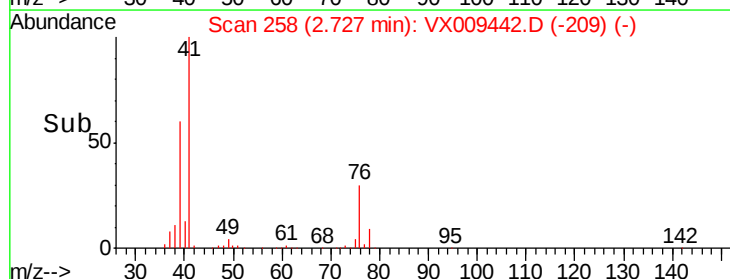
100000

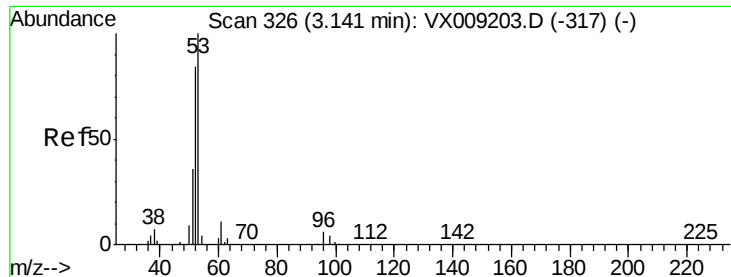
50000

0

Time-->

2.60 2.70 2.80





#15

Acrylonitrile

Concen: 297.423 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009442.D

Acq: 09 May 2019 20:51

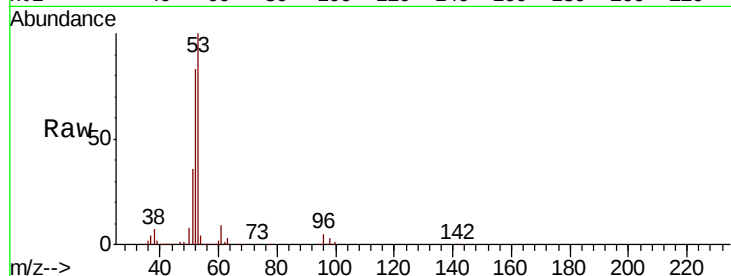
Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 53 Resp: 321967

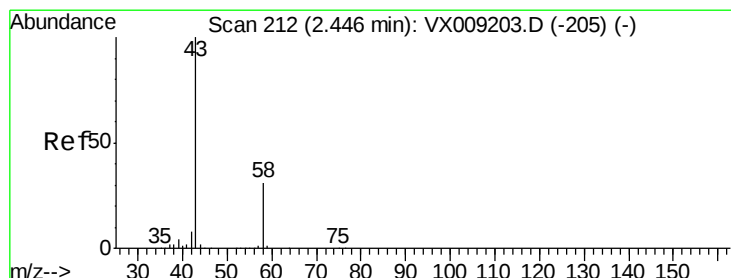
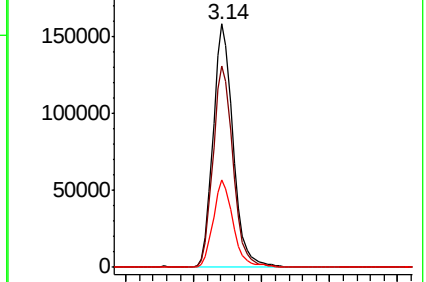
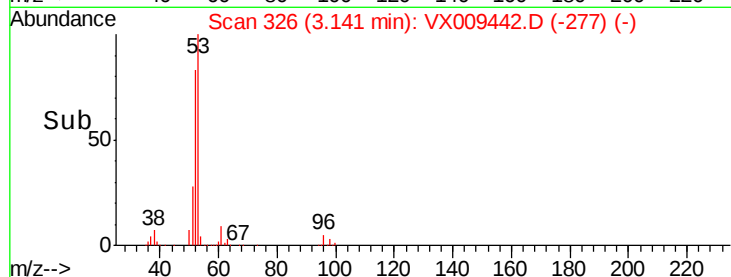
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.9	100.3
51	35.6	28.2	42.2



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 276.277 ug/l

RT: 2.45 min Scan# 212

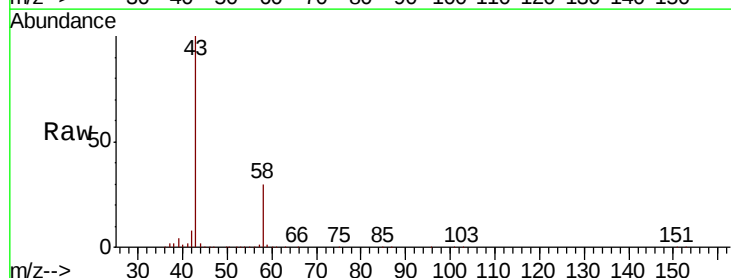
Delta R.T. 0.00 min

Lab File: VX009442.D

Acq: 09 May 2019 20:51

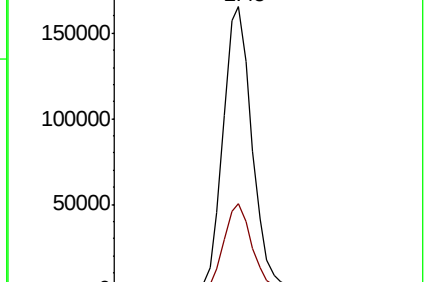
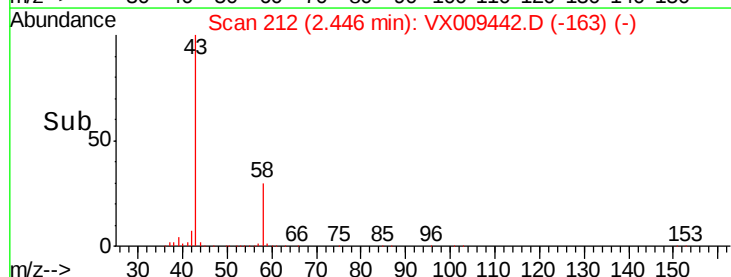
Tgt Ion: 43 Resp: 283744

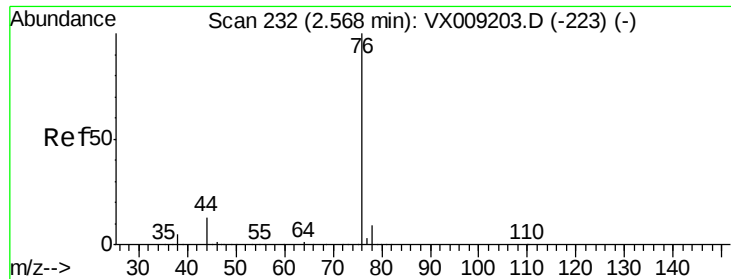
Ion	Ratio	Lower	Upper
43	100		
58	30.4	24.9	37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

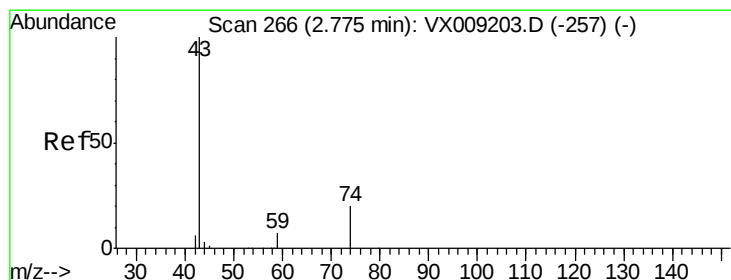
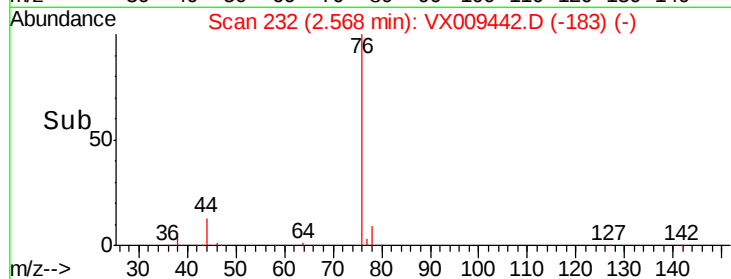
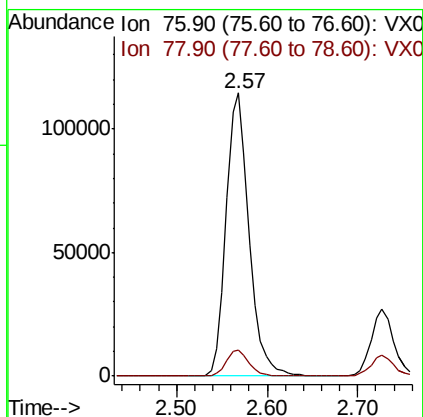
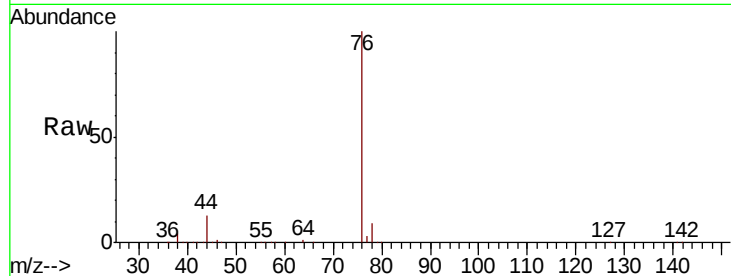




#17
Carbon Disulfide
Concen: 54.469 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009442.D
Acq: 09 May 2019 20:51

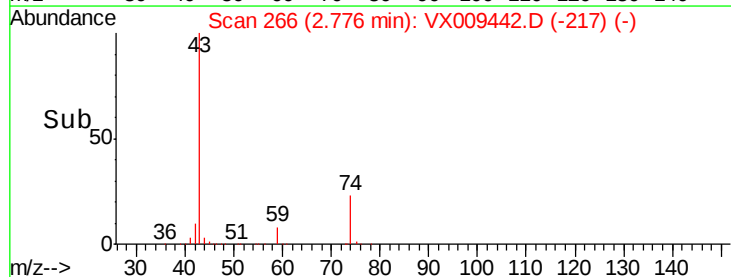
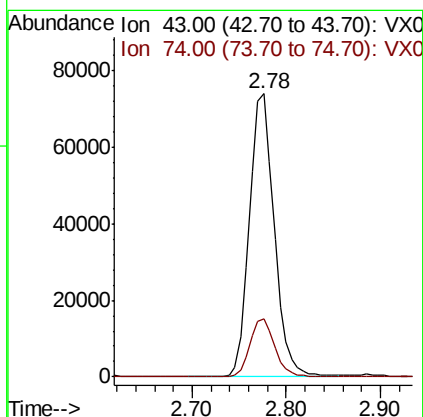
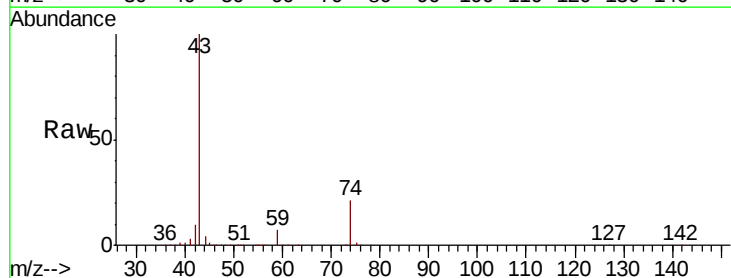
Instrument :
MSVOA_X
ClientSampled :

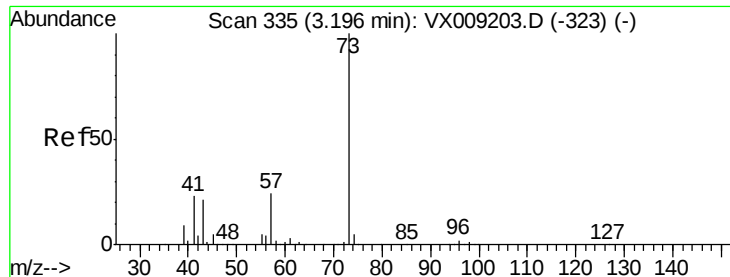
Tot Ion: 76 Resp: 201041
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0



#18
Methyl Acetate
Concen: 55.775 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX009442.D
Acq: 09 May 2019 20:51

Tgt Ion: 43 Resp: 136230
Ion Ratio Lower Upper
43 100
74 20.7 16.2 24.4

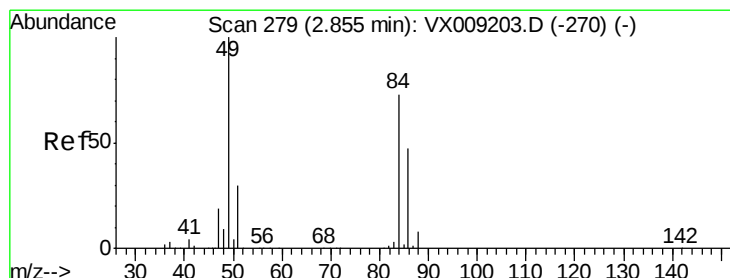
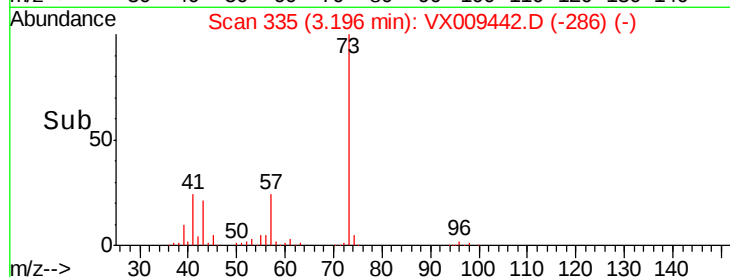
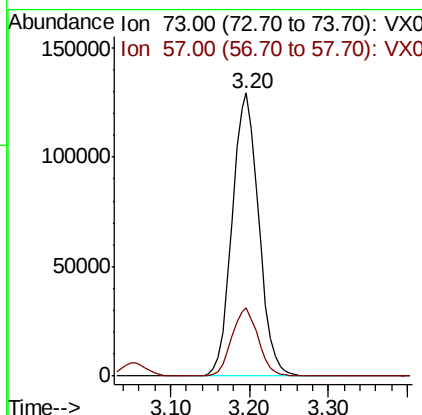
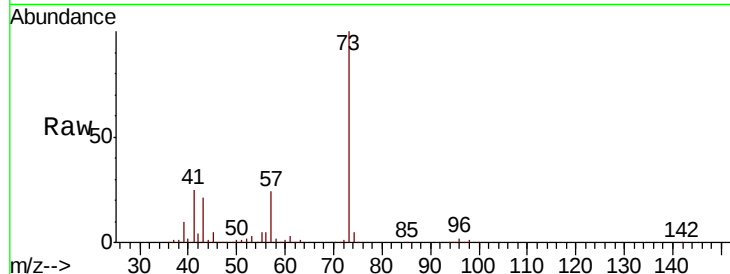




#19
Methyl tert-butyl Ether
Concen: 59.302 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX009442.D
Acq: 09 May 2019 20:51

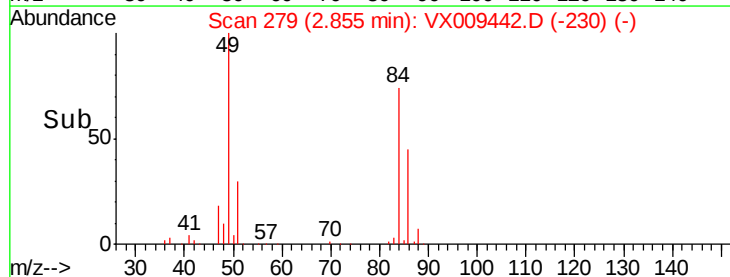
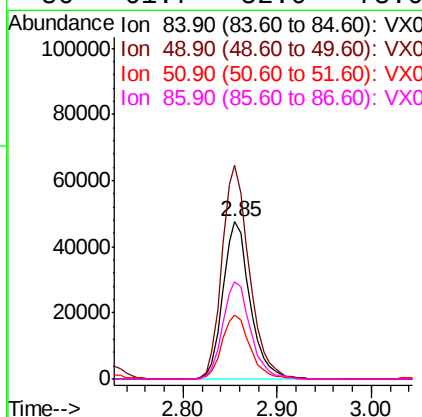
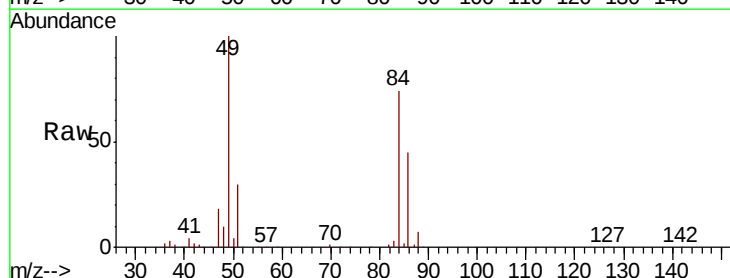
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 73 Resp: 302740
Ion Ratio Lower Upper
73 100
57 24.3 19.3 28.9



#20
Methylene Chloride
Concen: 56.817 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009442.D
Acq: 09 May 2019 20:51

Tgt Ion: 84 Resp: 94481
Ion Ratio Lower Upper
84 100
49 135.6 109.9 164.9
51 40.7 32.7 49.1
86 61.7 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 55.523 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009442.D

Acq: 09 May 2019 20:51

Instrument :
MSVOA_X
ClientSampled :

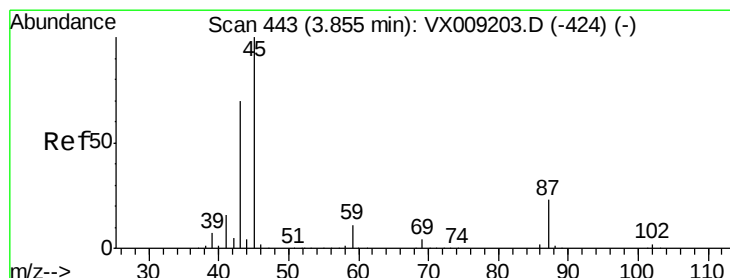
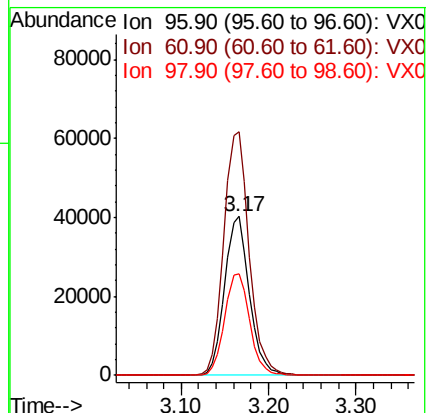
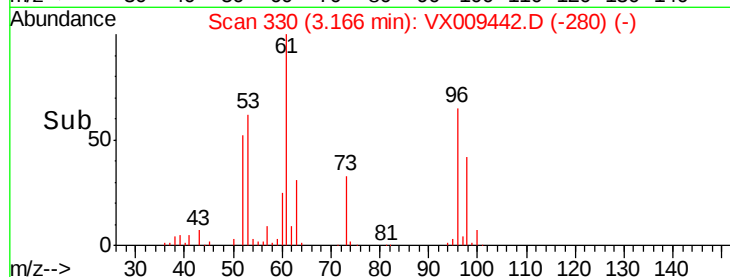
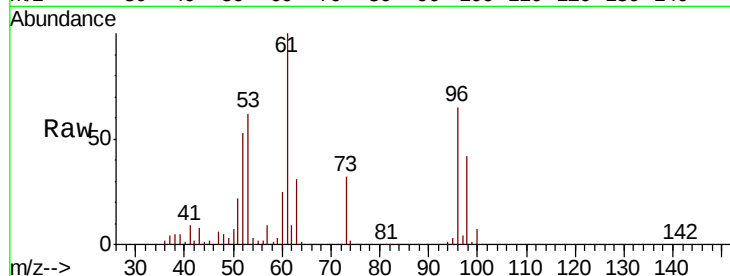
Tot Ion: 96 Resp: 79160

Ion Ratio Lower Upper

96 100

61 153.3 124.5 186.7

98 64.3 50.4 75.6



#22

Diisopropyl ether

Concen: 58.260 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009442.D

Acq: 09 May 2019 20:51

Tgt Ion: 45 Resp: 358953

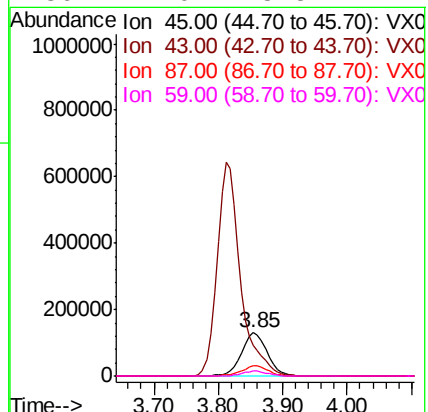
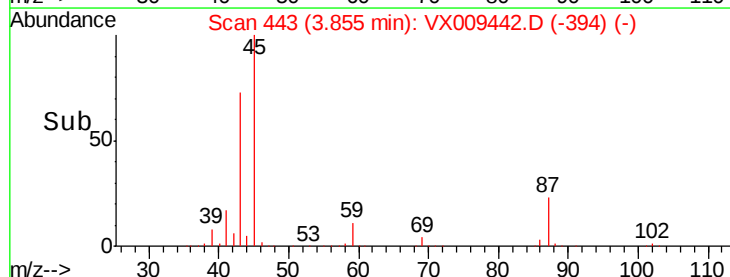
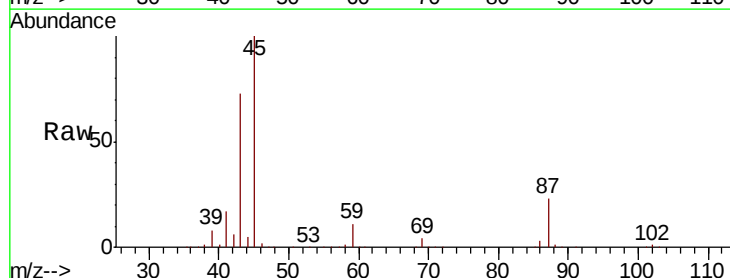
Ion Ratio Lower Upper

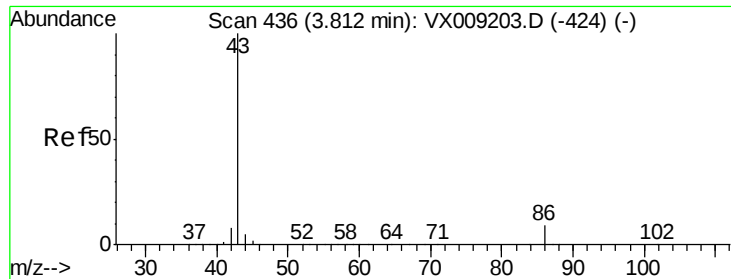
45 100

43 72.9 56.1 84.1

87 22.7 18.1 27.1

59 11.0 8.5 12.7





#23

Vinyl Acetate

Concen: 310.532 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009442.D

Acq: 09 May 2019 20:51

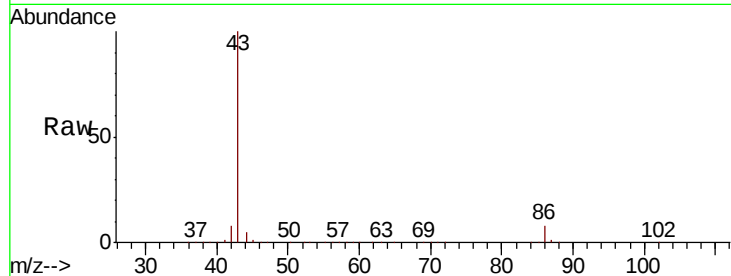
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 1638346

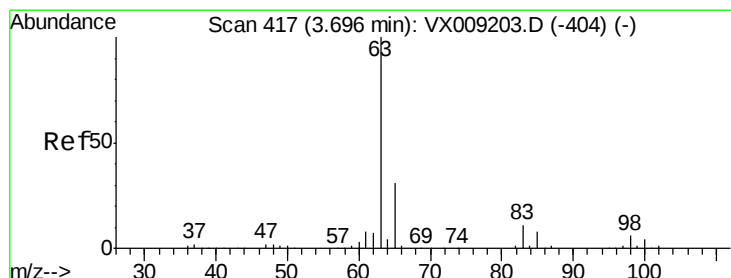
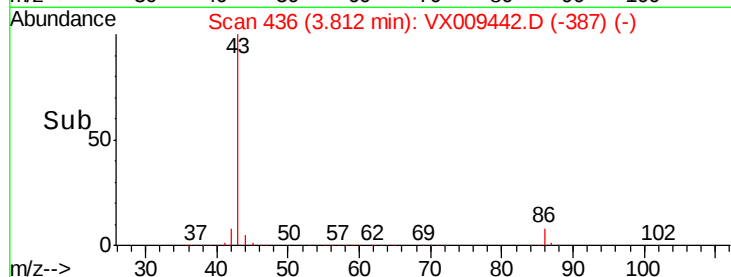
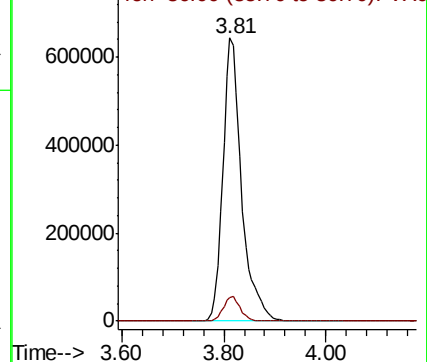
Ion Ratio Lower Upper

43 100

86 8.5 6.9 10.3



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 55.907 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009442.D

Acq: 09 May 2019 20:51

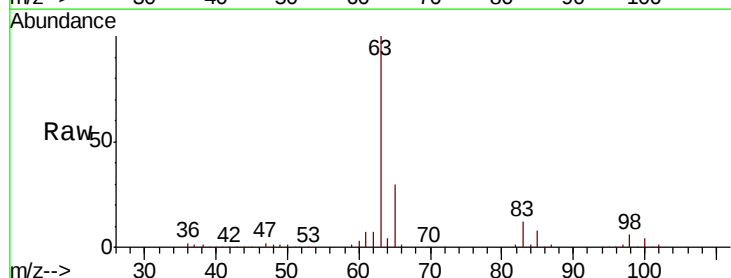
Tgt Ion: 63 Resp: 169923

Ion Ratio Lower Upper

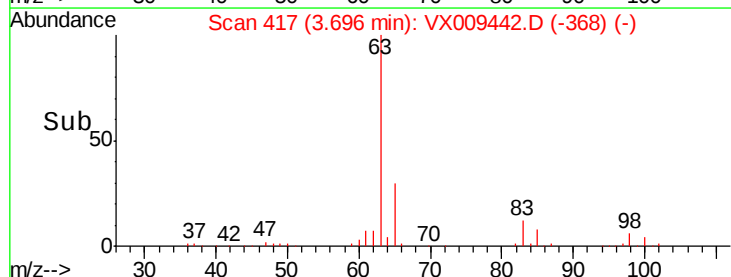
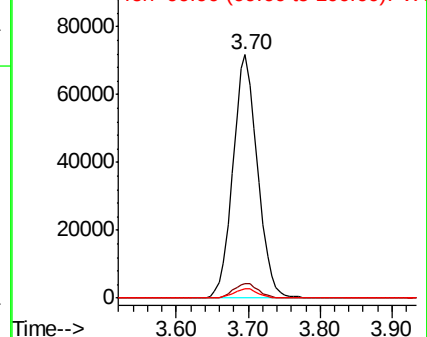
63 100

98 6.0 3.0 9.2

100 3.7 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 297.864 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009442.D

Acq: 09 May 2019 20:51

Instrument :

MSVOA_X

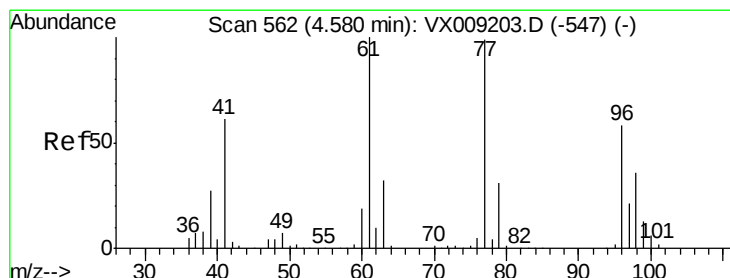
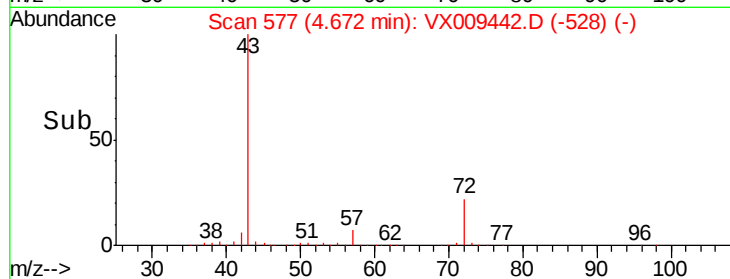
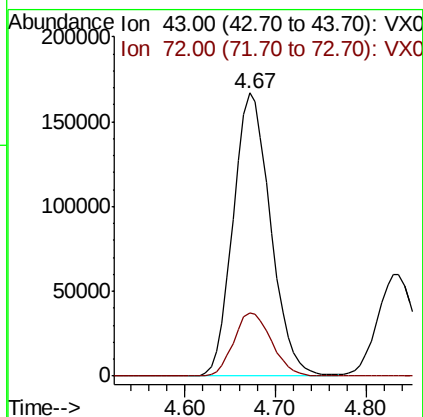
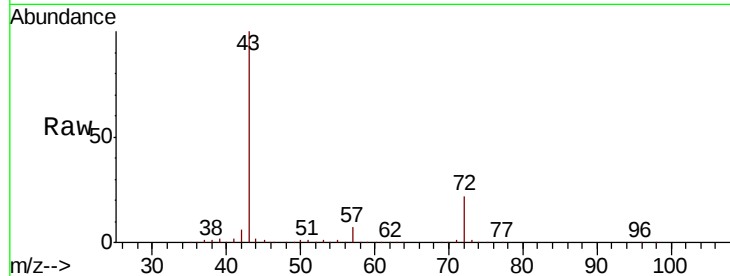
ClientSampleId :

Tot Ion: 43 Resp: 475382

Ion Ratio Lower Upper

43 100

72 22.2 18.2 27.2



#26

2,2-Dichloropropane

Concen: 48.624 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX009442.D

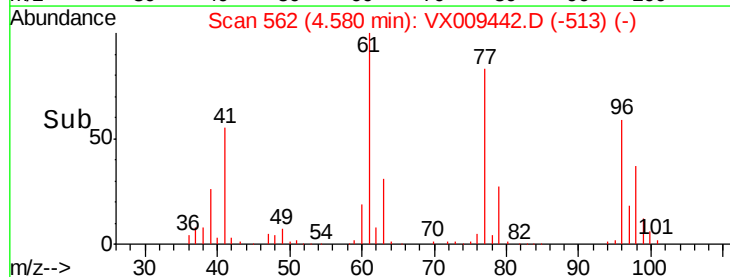
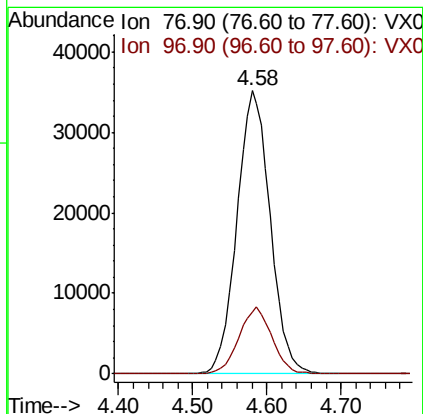
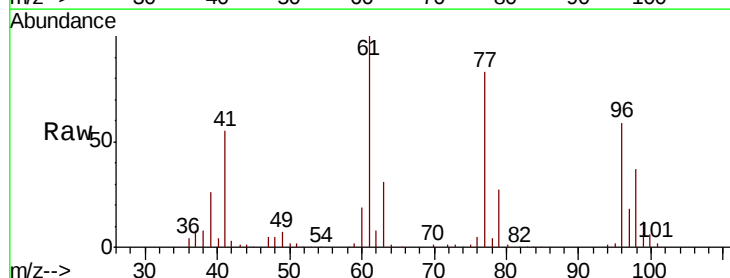
Acq: 09 May 2019 20:51

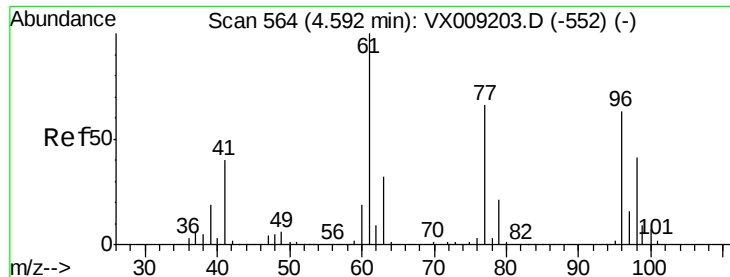
Tgt Ion: 77 Resp: 110004

Ion Ratio Lower Upper

77 100

97 23.3 11.5 34.4



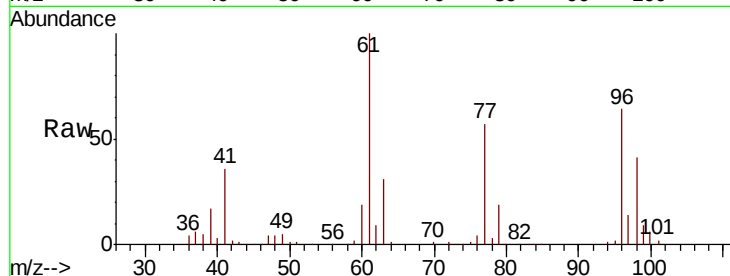


#27

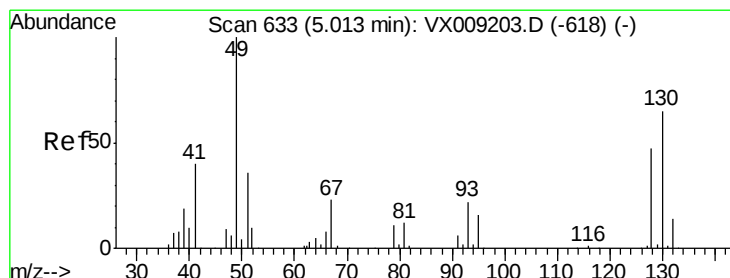
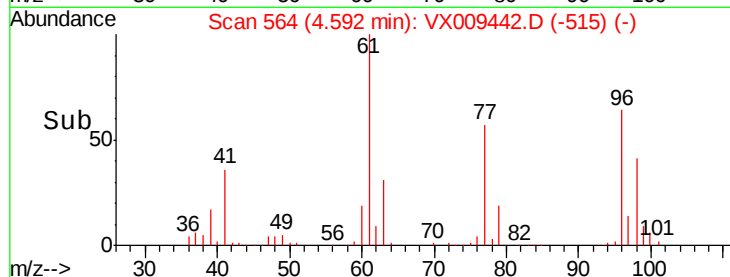
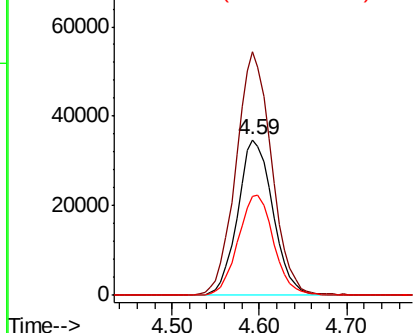
cis-1,2-Dichloroethene
Concen: 57.077 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VX009442.D
Acq: 09 May 2019 20:51

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 96 Resp: 97131
Ion Ratio Lower Upper
96 100
61 159.2 0.0 324.0
98 65.1 0.0 130.4



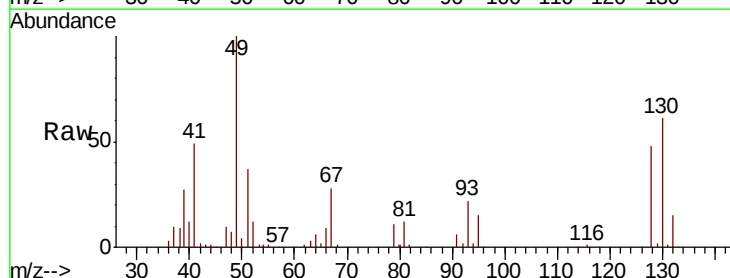
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



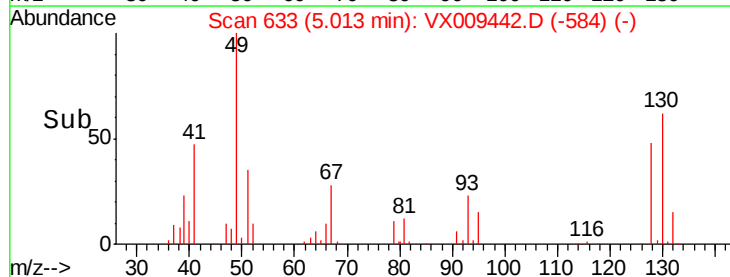
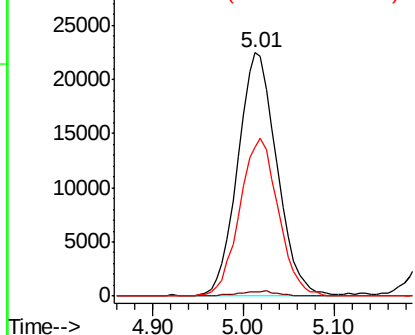
#28

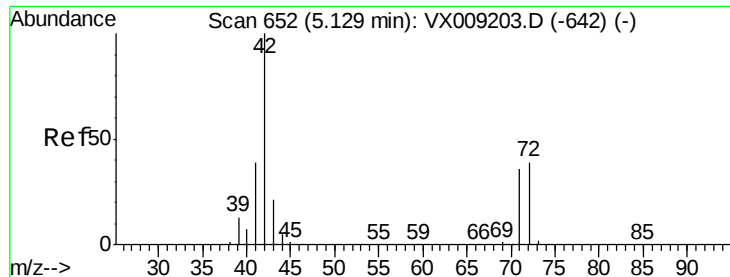
Bromochloromethane
Concen: 55.258 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009442.D
Acq: 09 May 2019 20:51

Tgt Ion: 49 Resp: 67256
Ion Ratio Lower Upper
49 100
129 1.9 0.0 3.8
130 64.0 51.2 76.8



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

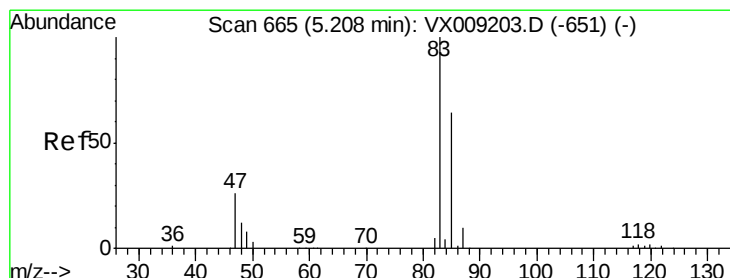
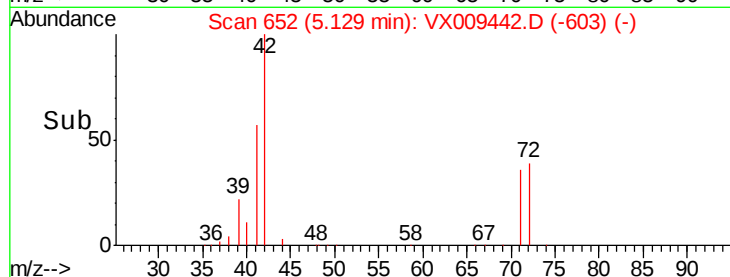
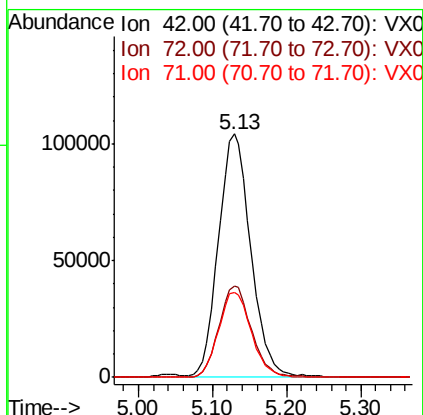
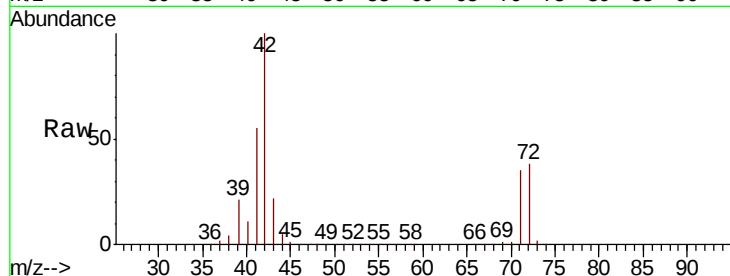




#29
Tetrahydrofuran
Concen: 305.880 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX009442.D
Acq: 09 May 2019 20:51

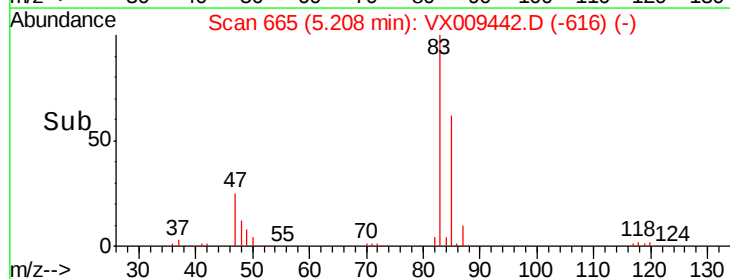
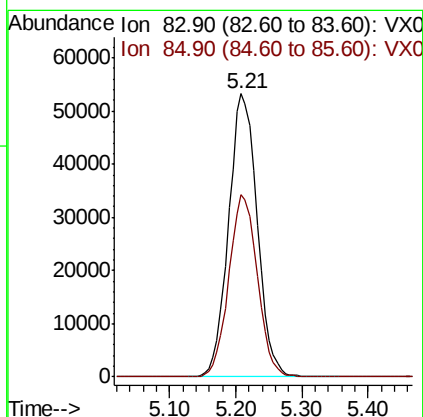
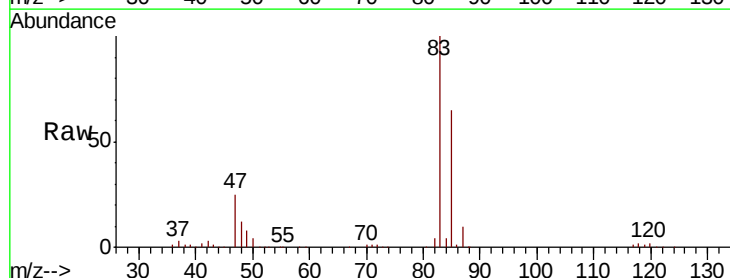
Instrument :
MSVOA_X
ClientSampled :

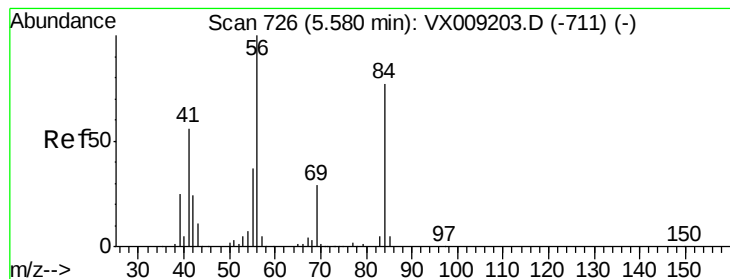
Tot Ion	Ratio	Lower	Upper
42	100		
72	37.9	30.4	45.6
71	35.7	28.6	43.0



#30
Chloroform
Concen: 58.031 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX009442.D
Acq: 09 May 2019 20:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.5	77.3





#31

Cyclohexane

Concen: 50.396 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

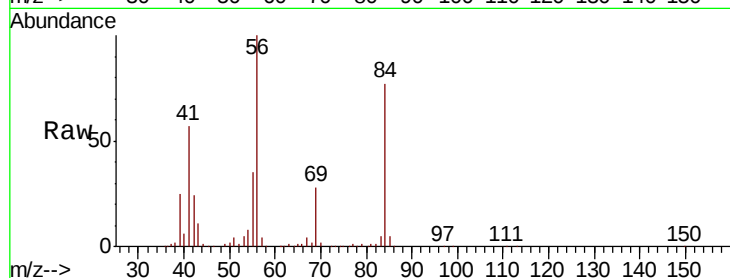
Lab File: VX009442.D

Acq: 09 May 2019 20:51

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 142507

Ion	Ratio	Lower	Upper
56	100		
69	27.6	23.4	35.0
84	75.7	61.9	92.9

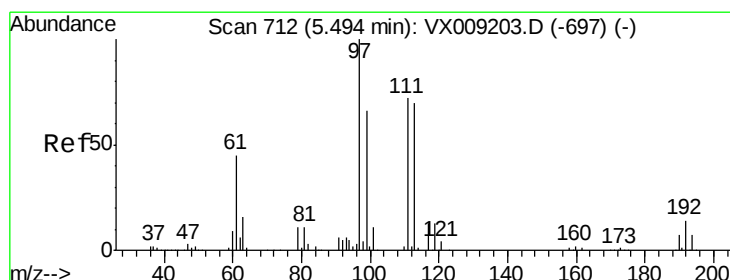
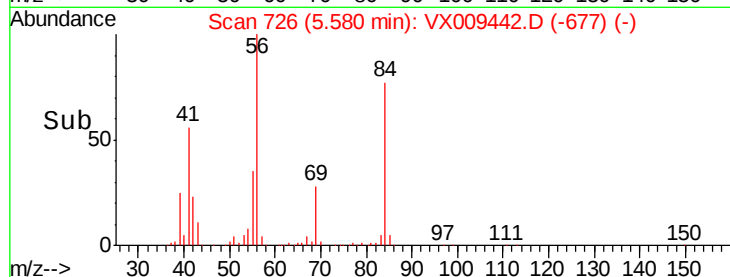
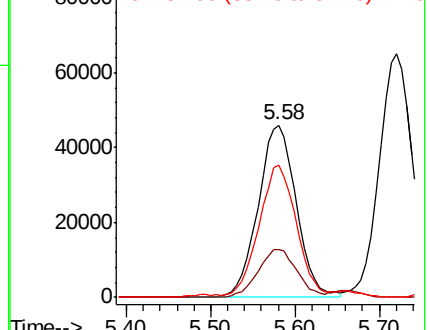


Abundance

Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 53.875 ug/l

RT: 5.49 min Scan# 712

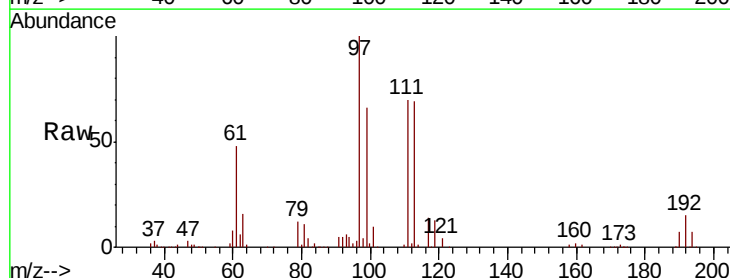
Delta R.T. 0.00 min

Lab File: VX009442.D

Acq: 09 May 2019 20:51

Tgt Ion: 97 Resp: 123287

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.8	77.8
61	47.1	37.8	56.8

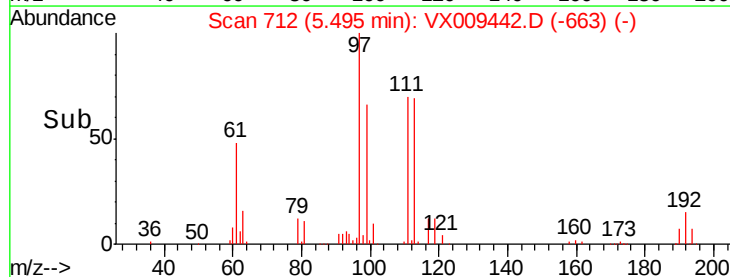
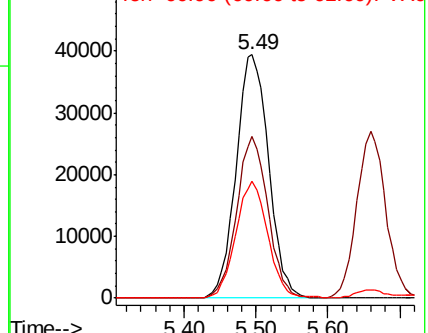


Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 55.041 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009442.D

Acq: 09 May 2019 20:51

Instrument :

MSVOA_X

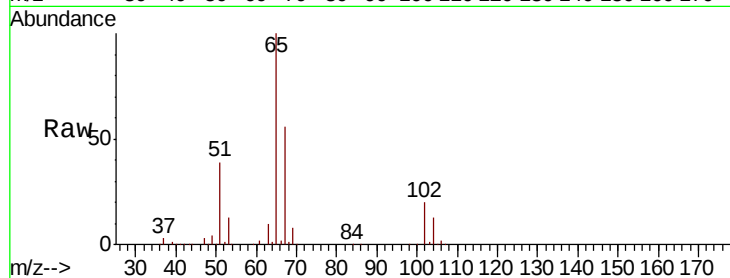
ClientSampleId :

Tot Ion: 65 Resp: 105275

Ion Ratio Lower Upper

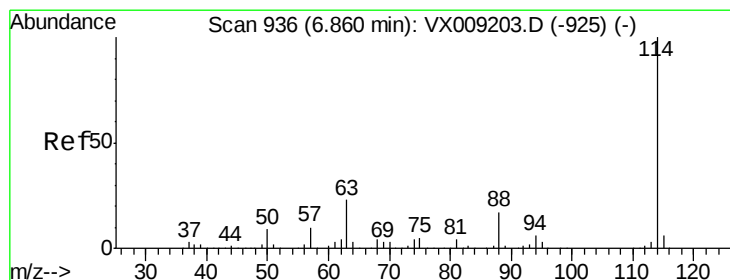
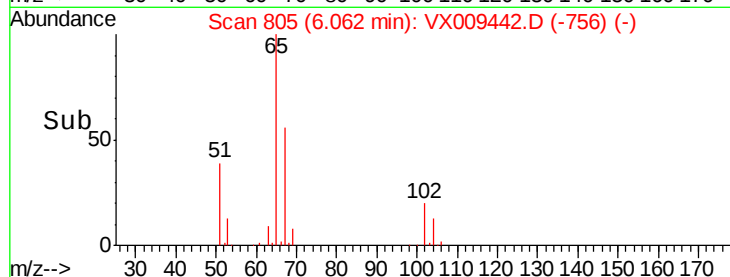
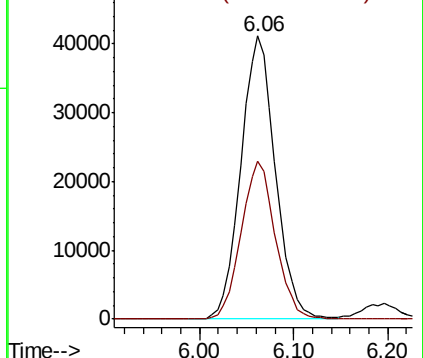
65 100

67 55.2 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009442.D

Acq: 09 May 2019 20:51

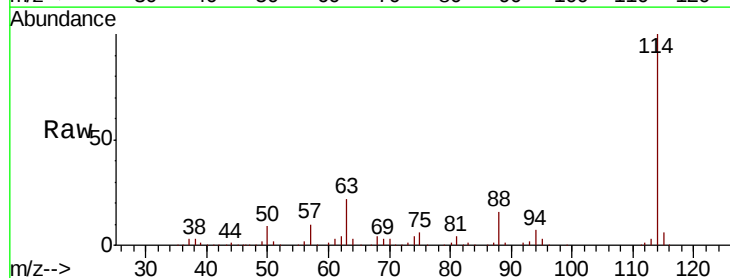
Tgt Ion: 114 Resp: 239861

Ion Ratio Lower Upper

114 100

63 21.6 0.0 45.6

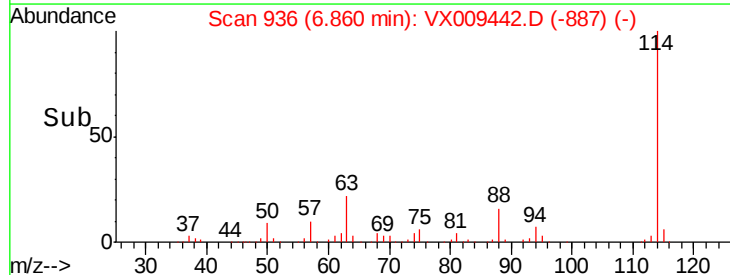
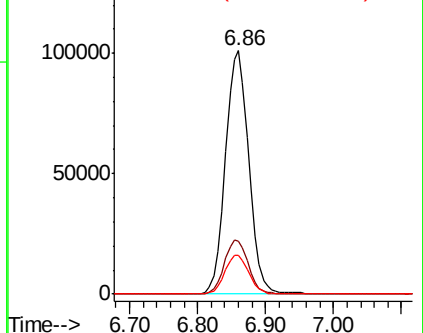
88 16.1 0.0 33.2

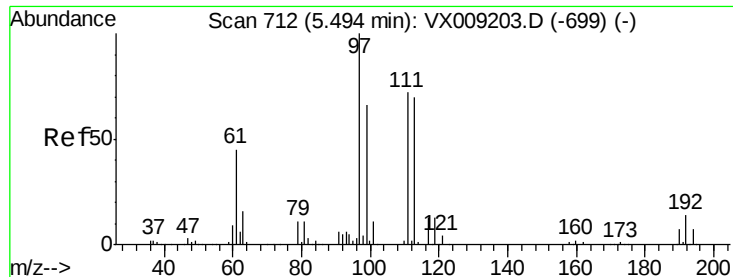


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

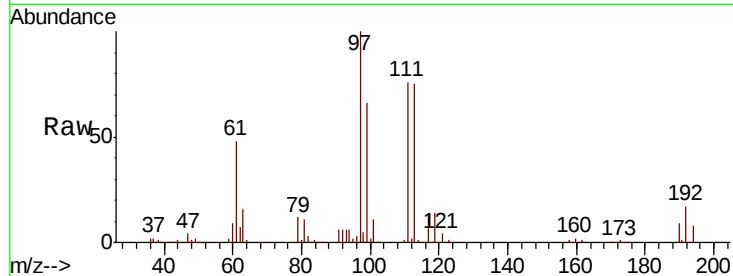




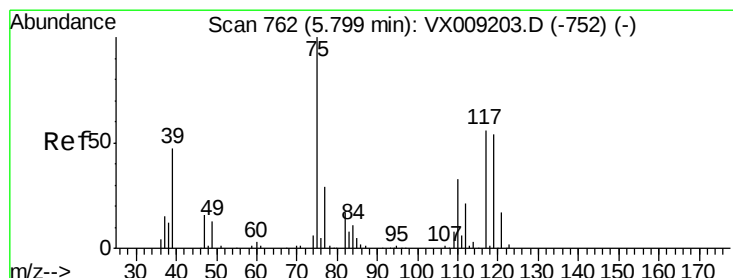
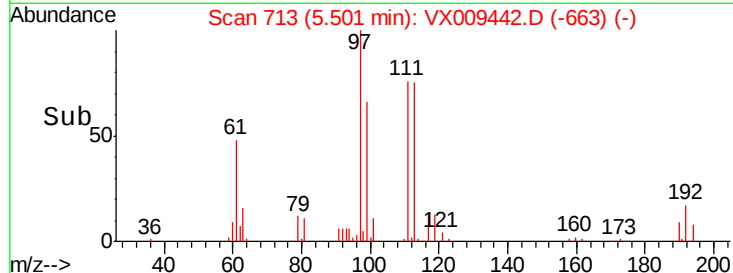
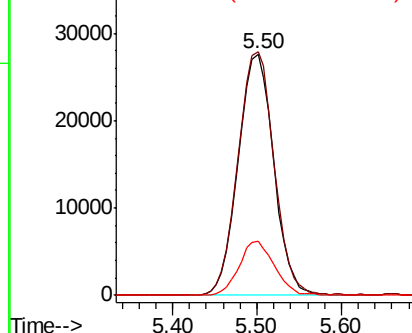
#35
 Dibromofluoromethane
 Concen: 52.440 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009442.D
 Acq: 09 May 2019 20:51

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:113 Resp: 79072
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.8 124.2
 192 22.2 17.0 25.6

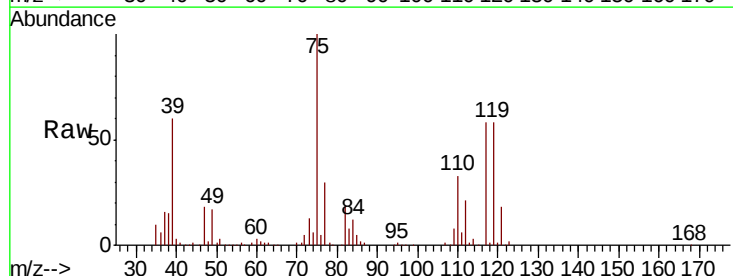


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

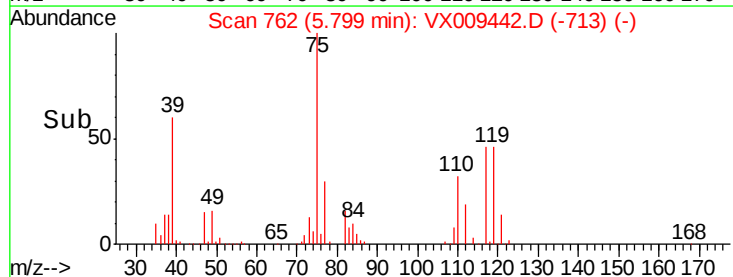
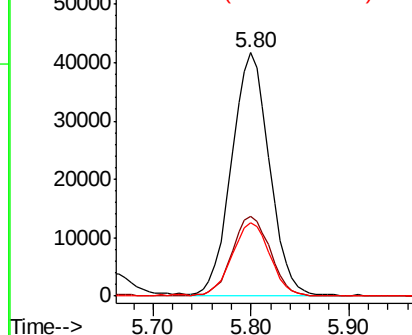


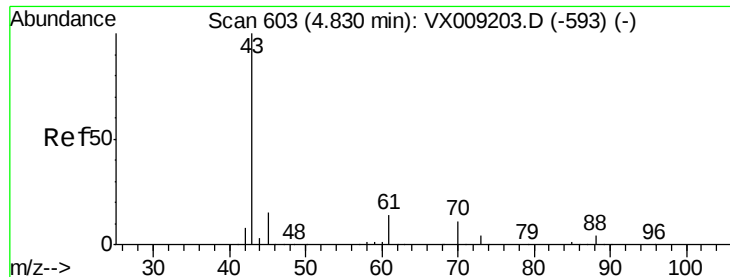
#36
 1,1-Dichloropropene
 Concen: 49.937 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX009442.D
 Acq: 09 May 2019 20:51

Tgt Ion: 75 Resp: 111312
 Ion Ratio Lower Upper
 75 100
 110 33.5 16.9 50.6
 77 30.8 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: 57.244 ug/l

RT: 4.83 min Scan# 603

Delta R.T. 0.00 min

Lab File: VX009442.D

Acq: 09 May 2019 20:51

Instrument :

MSVOA_X

ClientSampled :

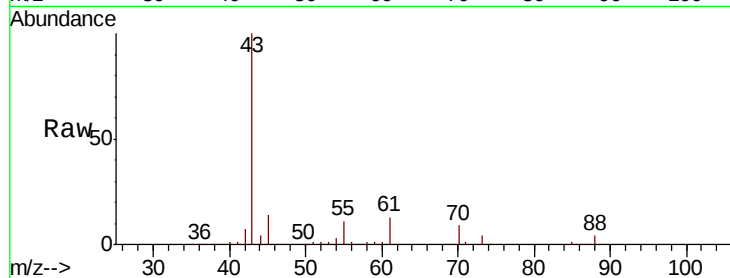
Tot Ion: 43 Resp: 177784

Ion Ratio Lower Upper

43 100

61 13.5 10.5 15.7

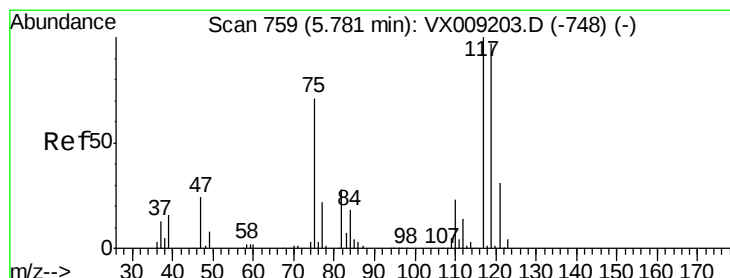
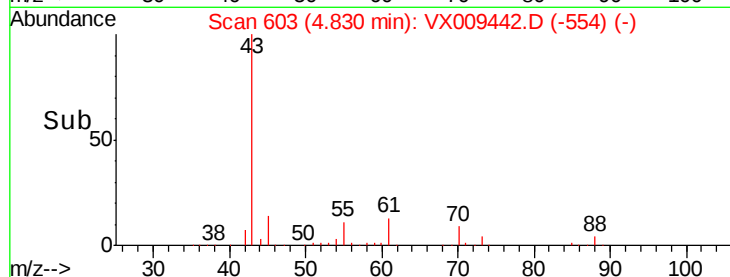
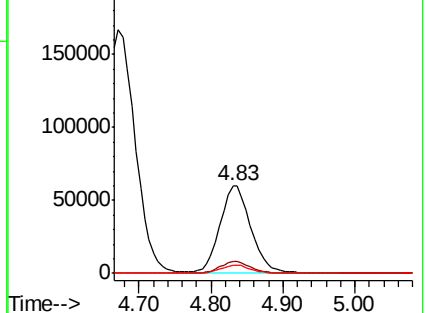
70 9.4 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 49.043 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX009442.D

Acq: 09 May 2019 20:51

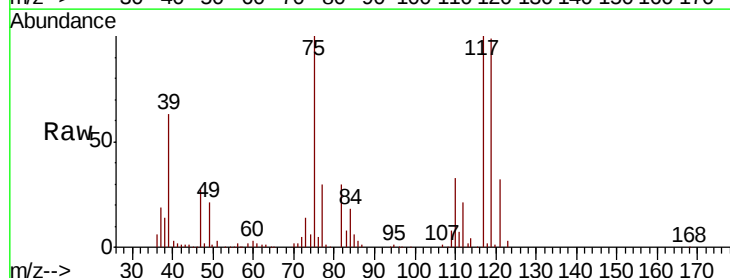
Tgt Ion: 117 Resp: 99324

Ion Ratio Lower Upper

117 100

119 98.8 77.5 116.3

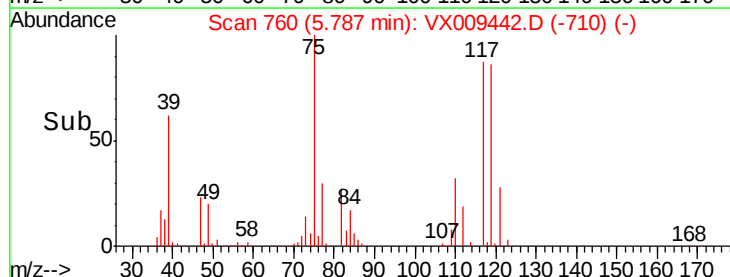
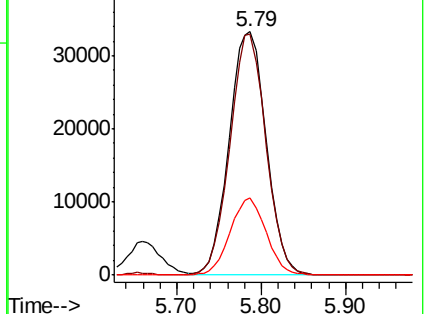
121 31.6 24.7 37.1

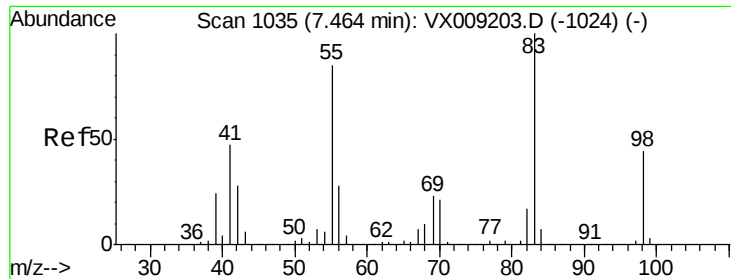


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

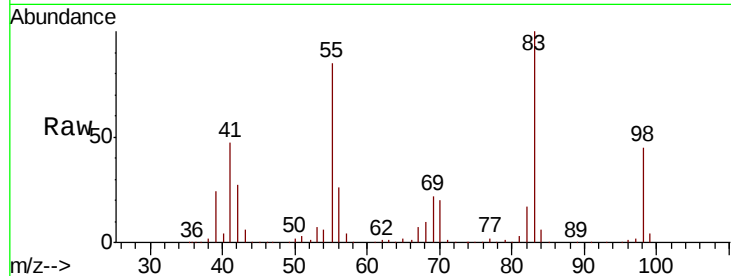




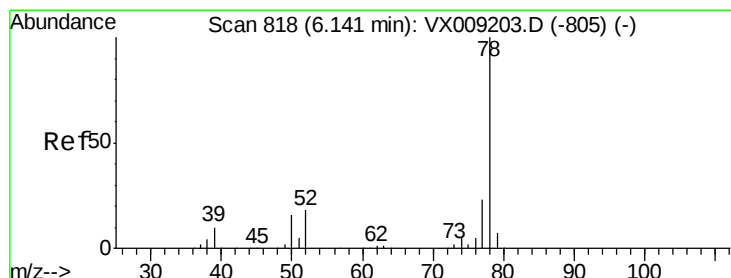
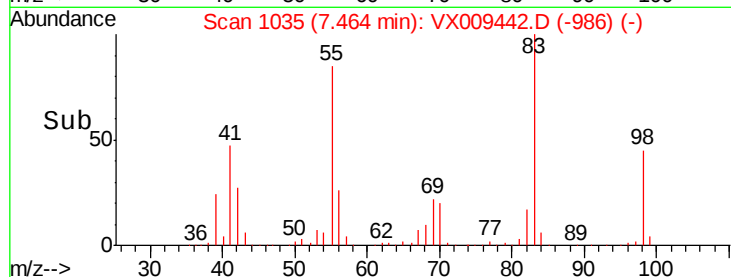
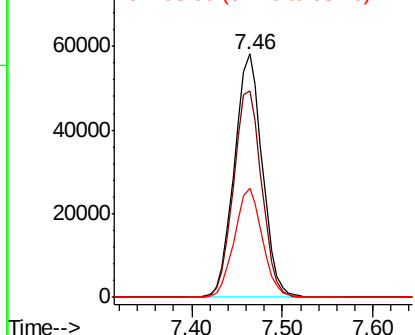
#39
Methvlcvclohexane
Concen: 45.529 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009442.D
Acq: 09 May 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 83 Resp: 124635
Ion Ratio Lower Upper
83 100
55 84.9 67.7 101.5
98 45.1 35.5 53.3

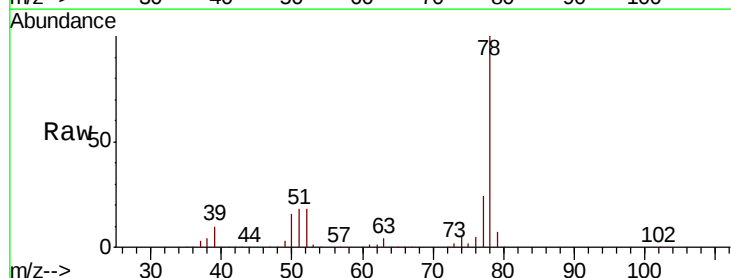


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

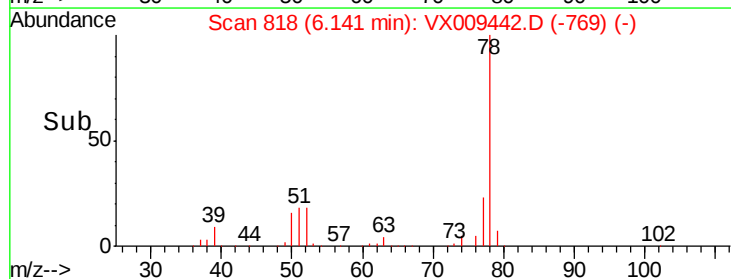
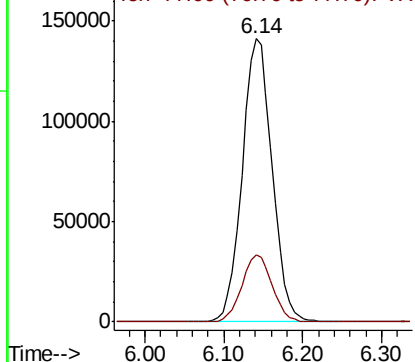


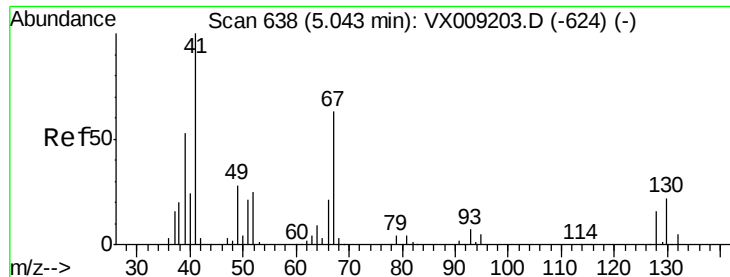
#40
Benzene
Concen: 53.897 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009442.D
Acq: 09 May 2019 20:51

Tgt Ion: 78 Resp: 371813
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

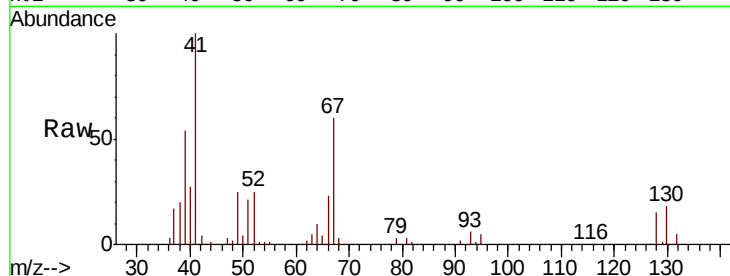




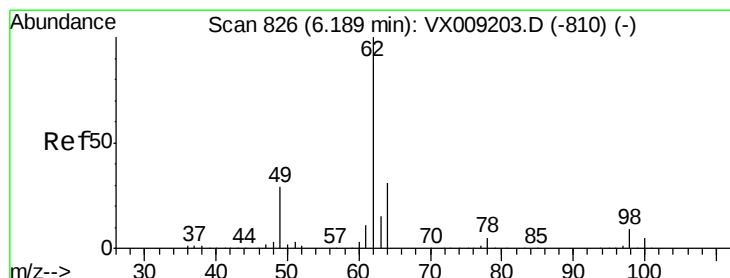
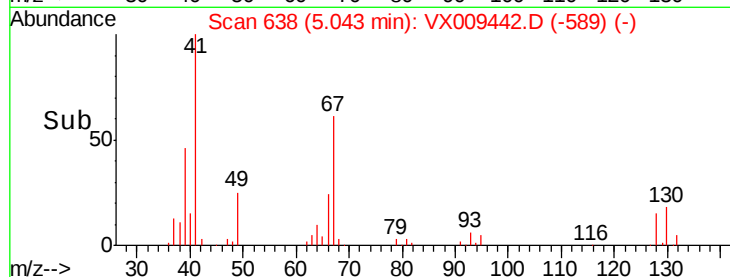
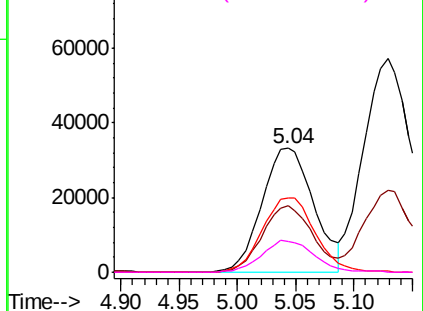
#41
Methacrylonitrile
Concen: 55.303 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX009442.D
Acq: 09 May 2019 20:51

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	41	Resp:	102241
Ion	Ratio	Lower	Upper
41	100		
39	52.5	42.0	63.0
67	61.9	49.8	74.8
52	26.6	20.3	30.5

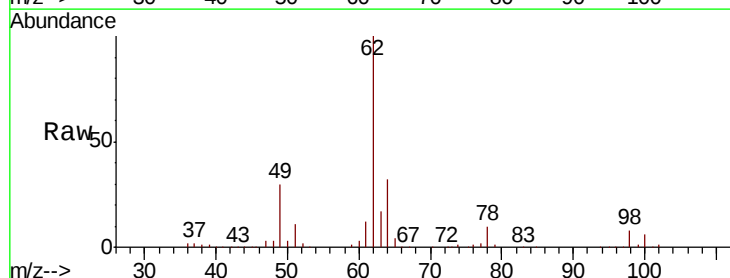


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

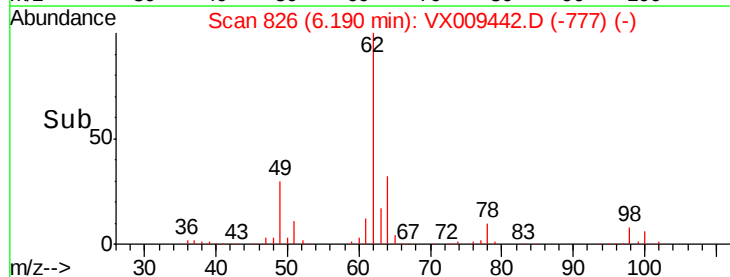
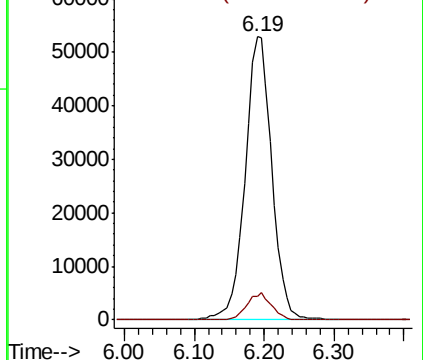


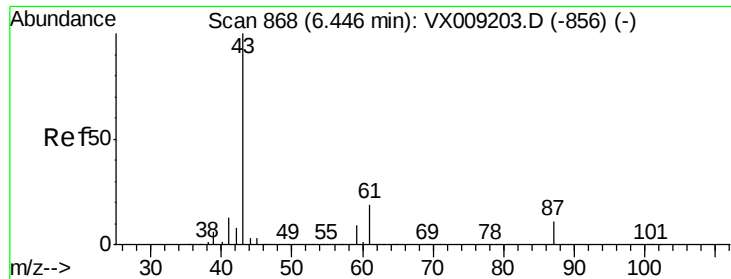
#42
1,2-Dichloroethane
Concen: 56.134 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX009442.D
Acq: 09 May 2019 20:51

Tgt Ion:	62	Resp:	138911
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



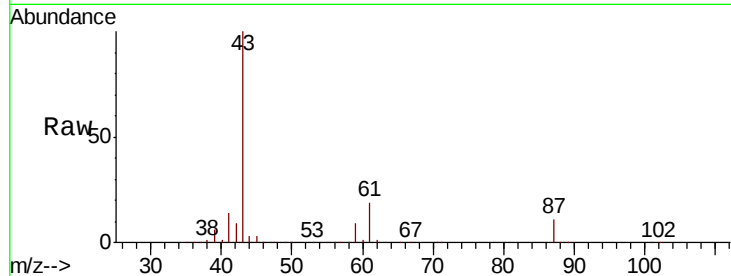


#43

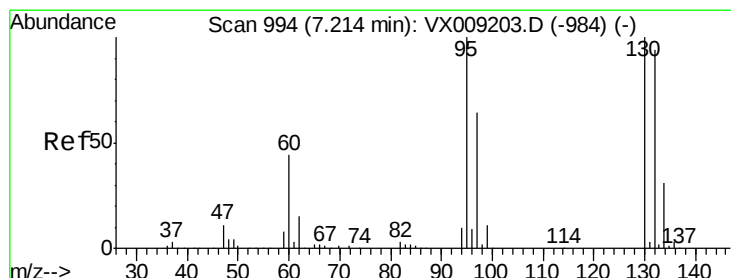
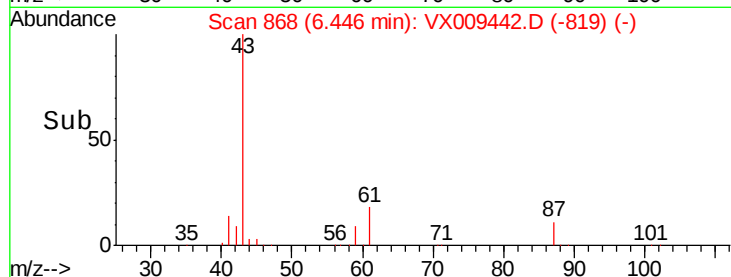
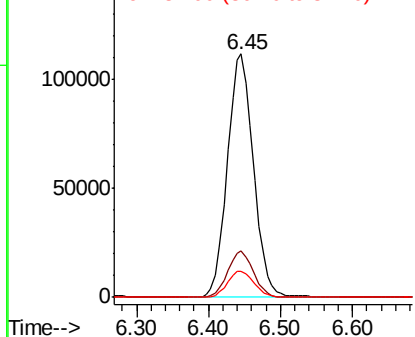
Isopropyl Acetate
 Concen: 56.362 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX009442.D
 Acq: 09 May 2019 20:51

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion	43	Resp	279997
Ion Ratio	Lower	Upper	
43	100		
61	18.9	15.1	22.7
87	11.1	9.0	13.6



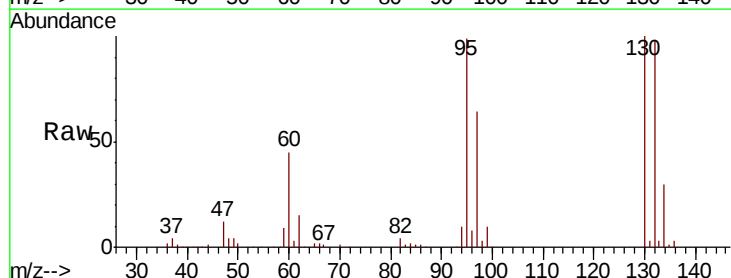
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



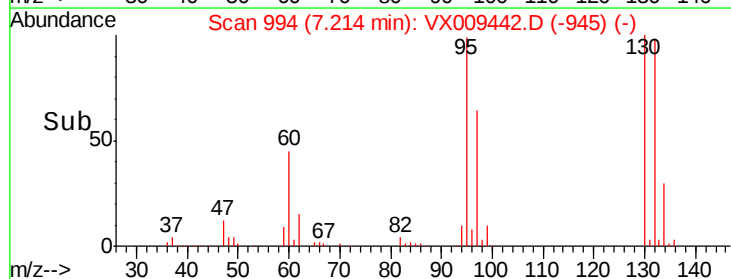
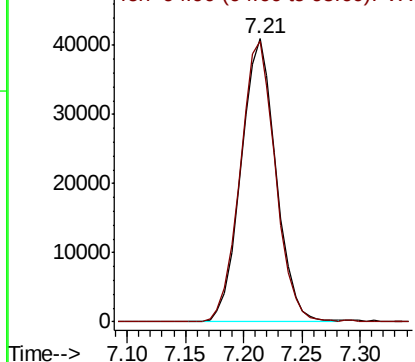
#44

Trichloroethene
 Concen: 51.296 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX009442.D
 Acq: 09 May 2019 20:51

Tgt Ion	130	Resp	85548
Ion Ratio	Lower	Upper	
130	100		
95	99.4	0.0	199.2



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

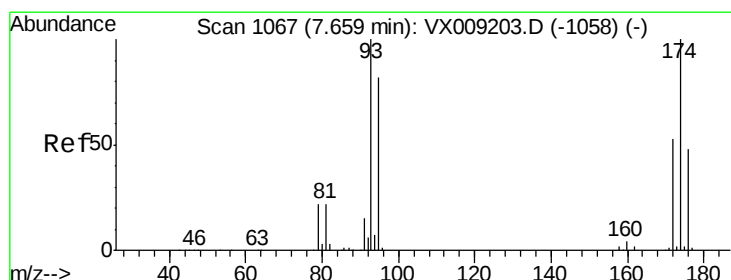
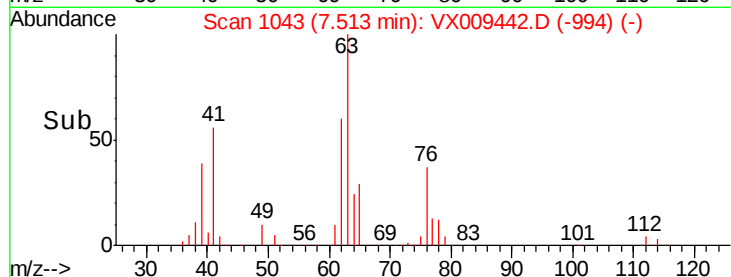
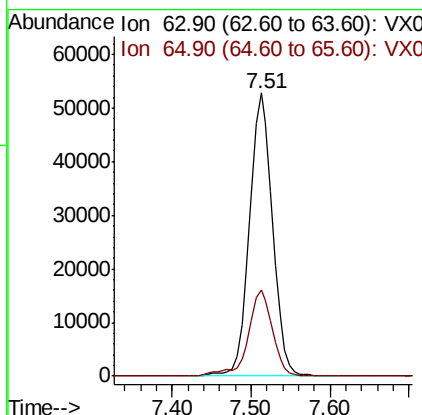
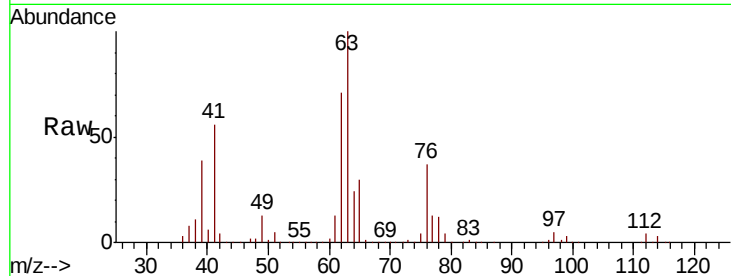




#45
 1,2-Dichloropropane
 Concen: 54.968 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX009442.D
 Acq: 09 May 2019 20:51

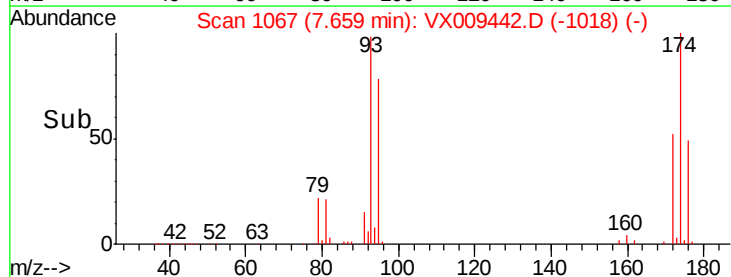
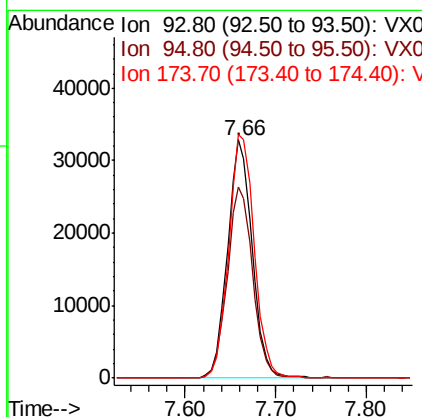
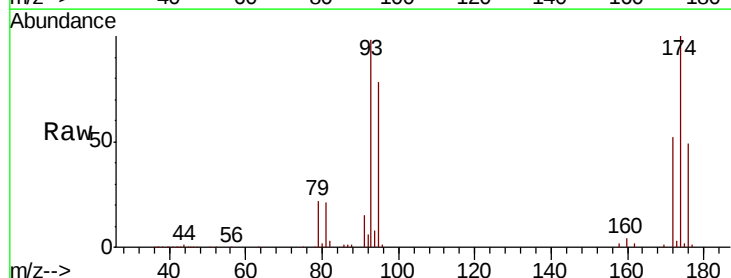
Instrument :
 MSVOA_X
 ClientSampled :

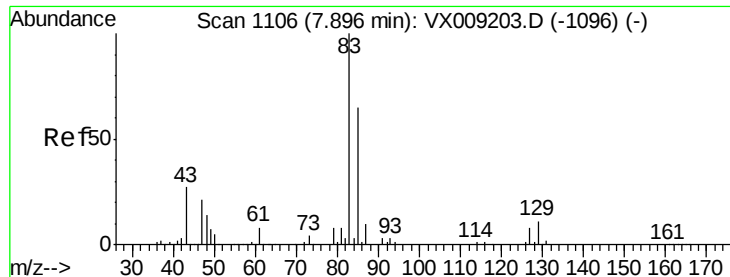
Tot Ion: 63 Resp: 107374
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.0 37.6



#46
 Dibromomethane
 Concen: 55.107 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX009442.D
 Acq: 09 May 2019 20:51

Tgt Ion: 93 Resp: 62511
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.5 99.7
 174 106.2 82.1 123.1





#47

Bromodichloromethane

Concen: 55.060 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009442.D

Acq: 09 May 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

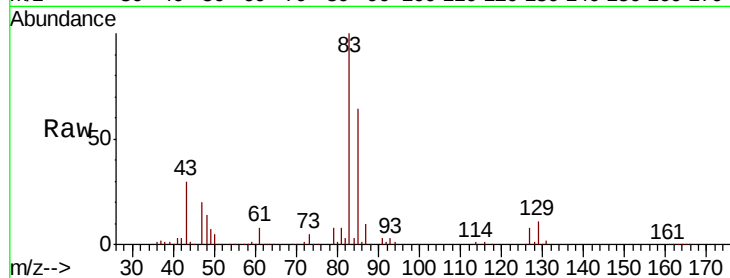
Tot Ion: 83 Resp: 124587

Ion Ratio Lower Upper

83 100

85 63.7 52.4 78.6

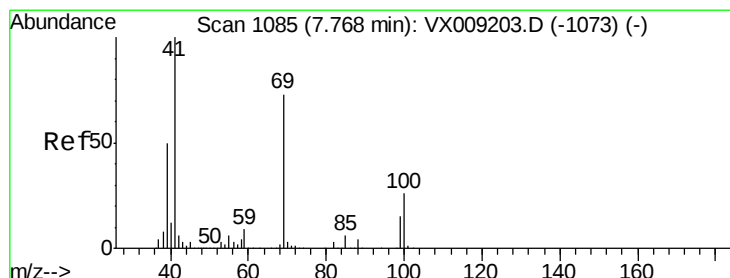
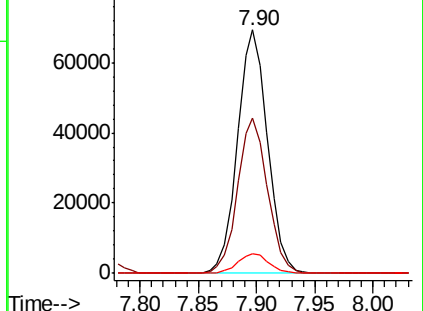
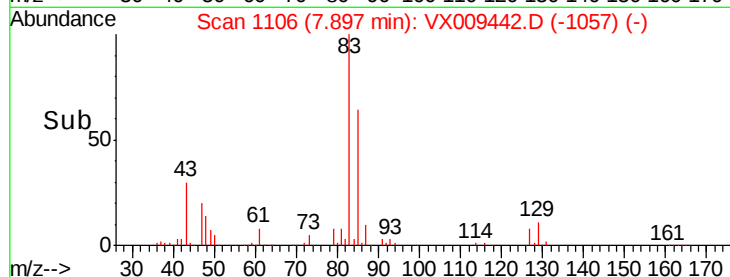
127 8.1 6.6 10.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 57.901 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX009442.D

Acq: 09 May 2019 20:51

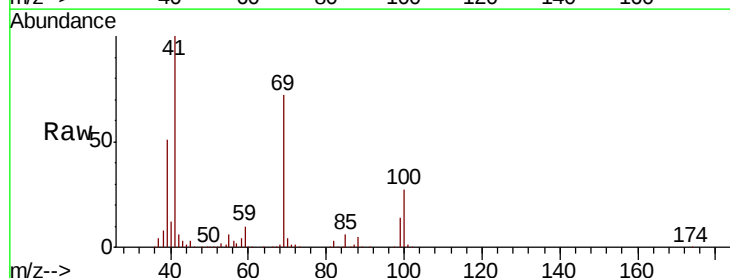
Tgt Ion: 41 Resp: 142706

Ion Ratio Lower Upper

41 100

69 73.0 59.1 88.7

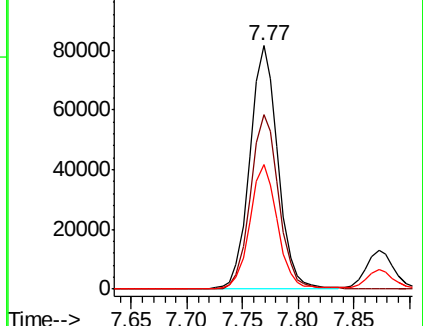
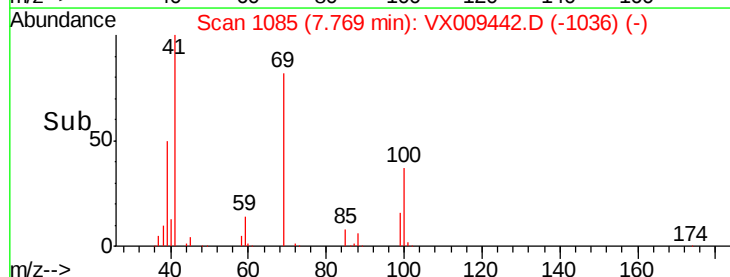
39 50.9 40.4 60.6

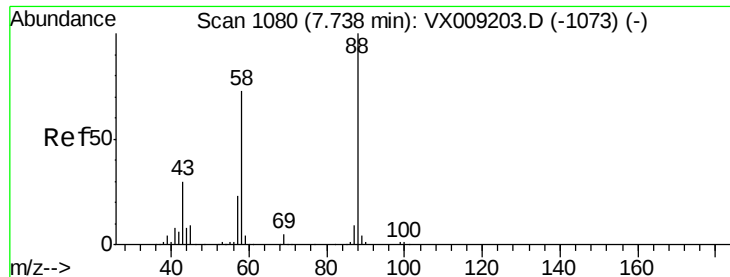


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

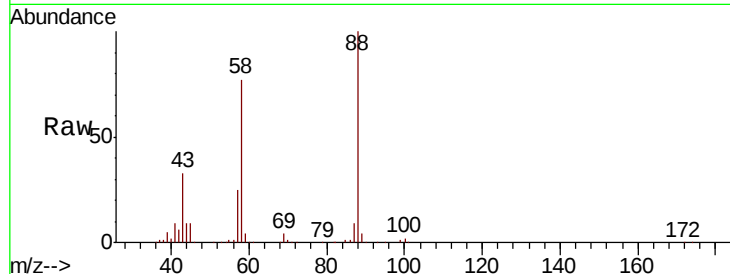




#49
1,4-Dioxane
Concen: 1128.411 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009442.D
Acq: 09 May 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.5	28.6	42.8
58	78.7	61.7	92.5

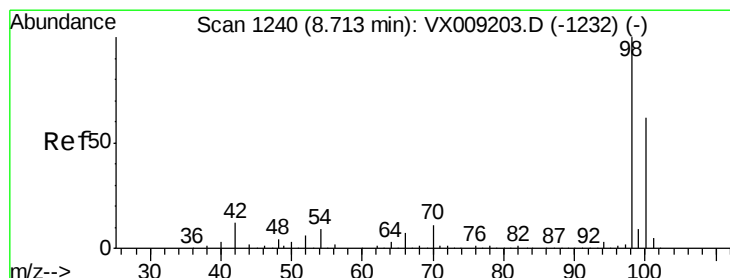
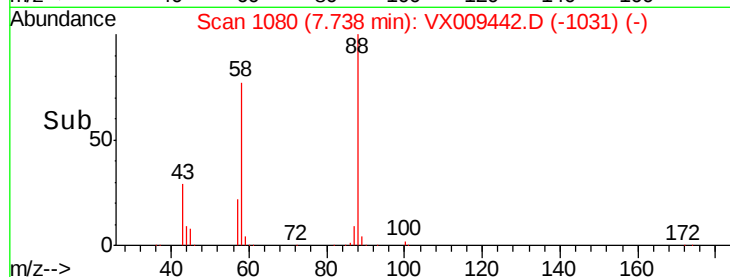
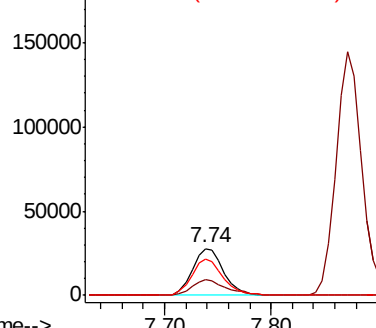


Abundance

Ion 88.00 (87.70 to 88.70): VX0

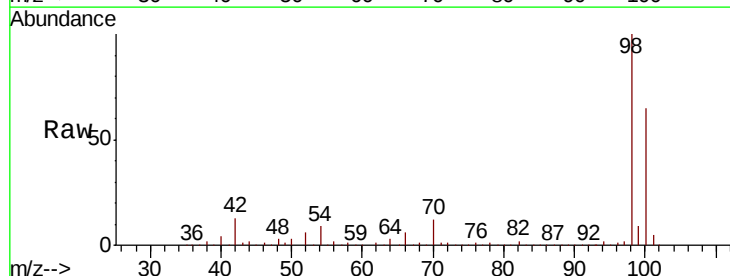
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 49.979 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009442.D
Acq: 09 May 2019 20:51

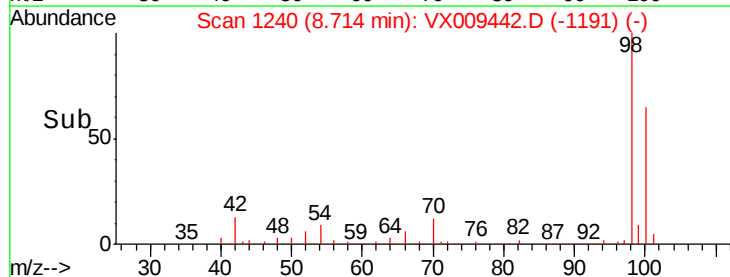
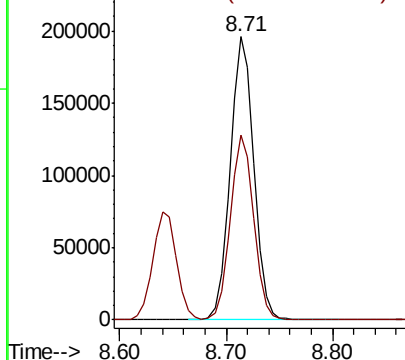
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.2	76.8



Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 289.675 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009442.D

Acq: 09 May 2019 20:51

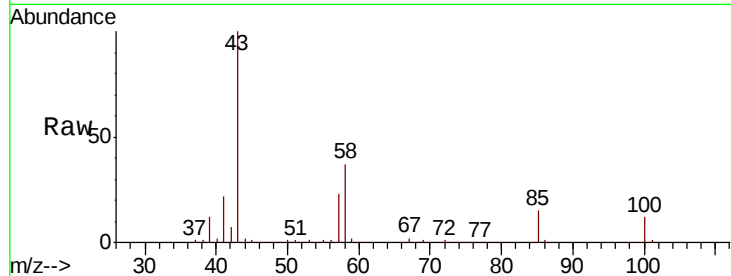
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 940593

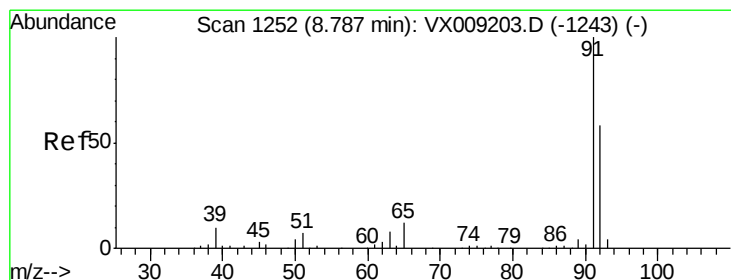
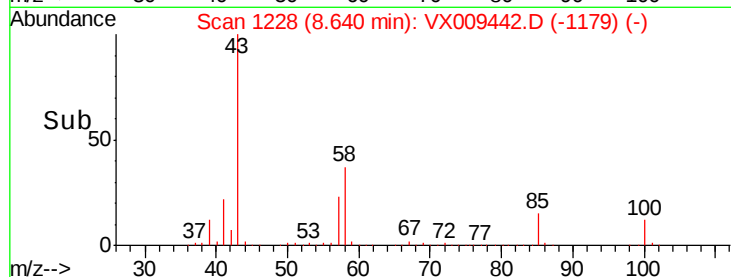
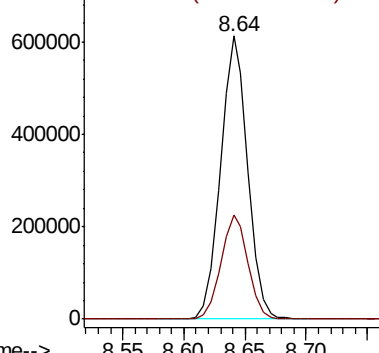
Ion Ratio Lower Upper

43 100

58 36.7 29.5 44.3



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



#52

Toluene

Concen: 54.098 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX009442.D

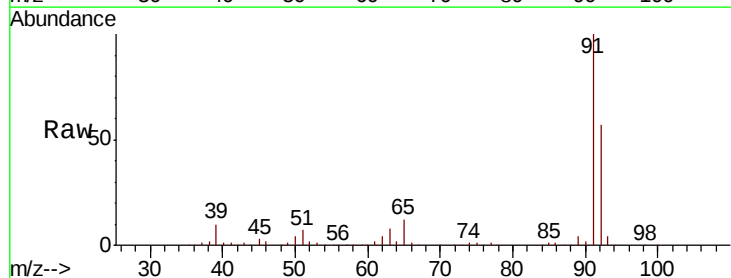
Acq: 09 May 2019 20:51

Tgt Ion: 92 Resp: 226856

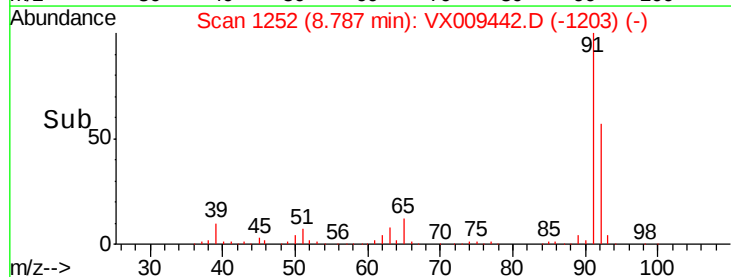
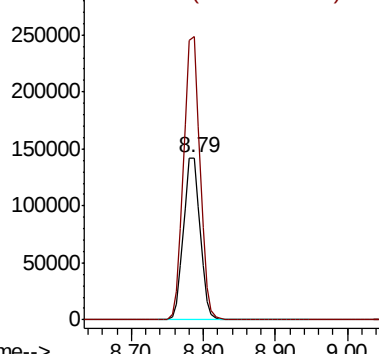
Ion Ratio Lower Upper

92 100

91 173.4 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0
Ion 91.00 (90.70 to 91.70): VX0

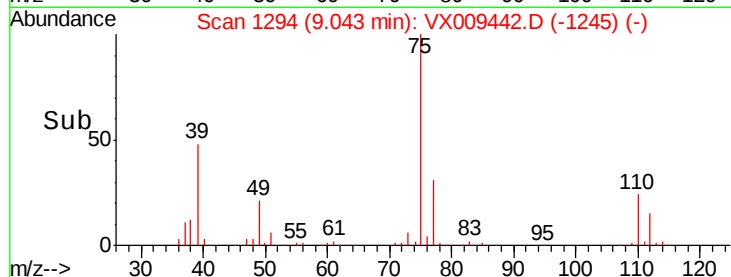
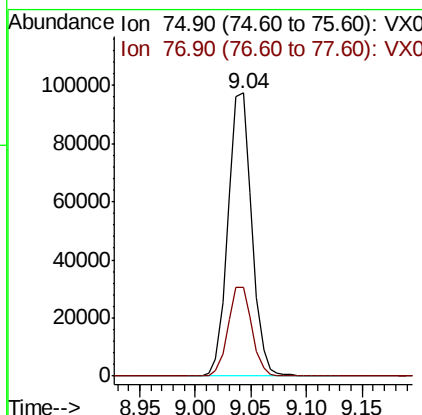
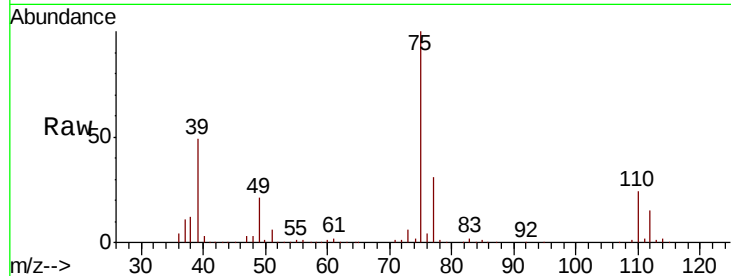




#53
 t-1,3-Dichloropropene
 Concen: 56.312 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX009442.D
 Acq: 09 May 2019 20:51

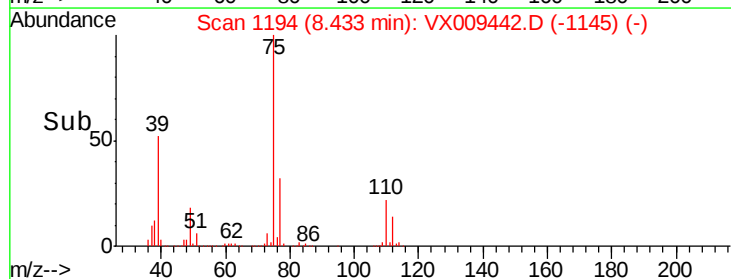
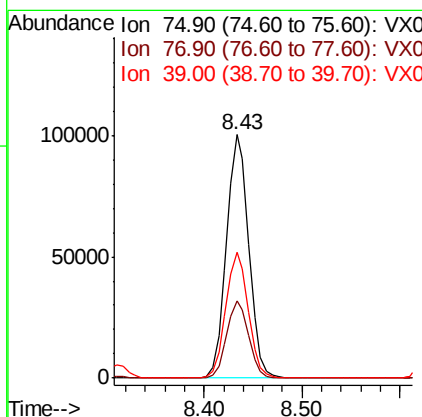
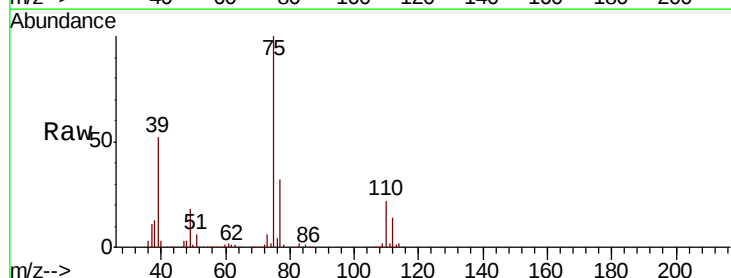
Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 75 Resp: 143857
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.0 37.6



#54
 cis-1,3-Dichloropropene
 Concen: 56.043 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX009442.D
 Acq: 09 May 2019 20:51

Tgt Ion: 75 Resp: 158469
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.6 36.8
 39 51.5 40.6 60.8

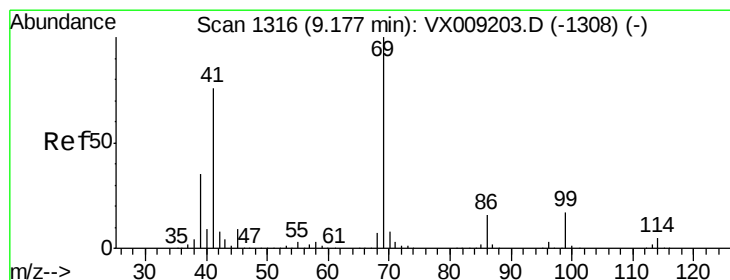
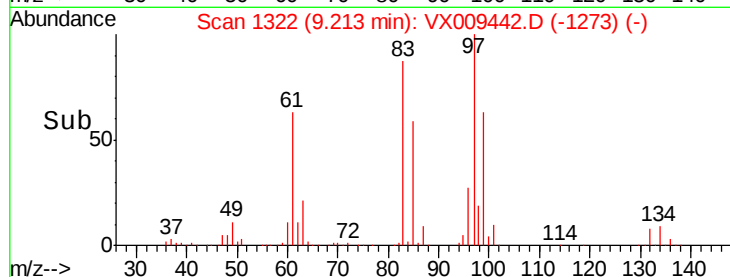
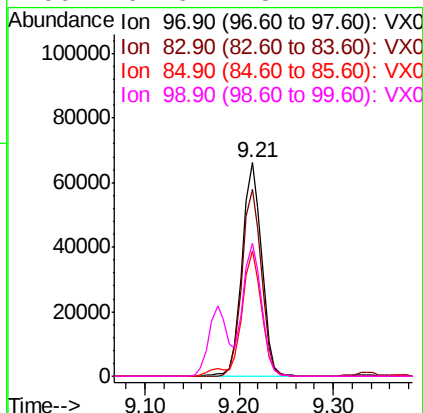
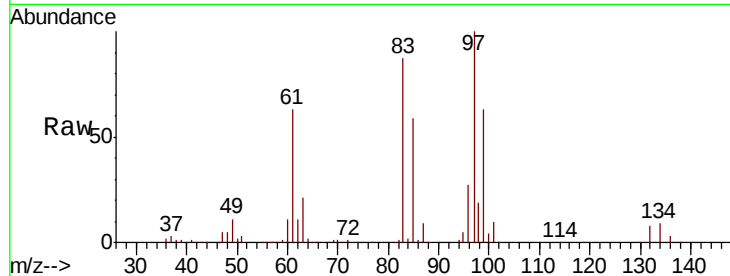




#55
 1,1,2-Trichloroethane
 Concen: 56.135 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009442.D
 Acq: 09 May 2019 20:51

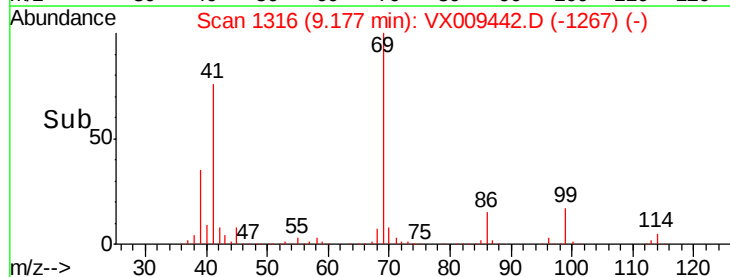
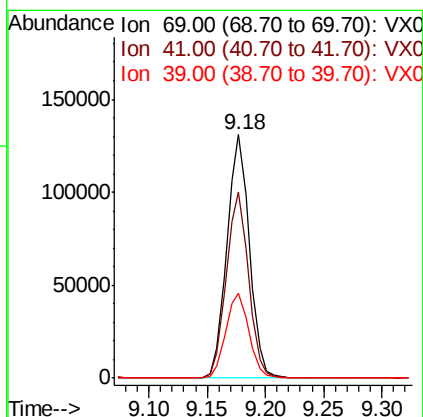
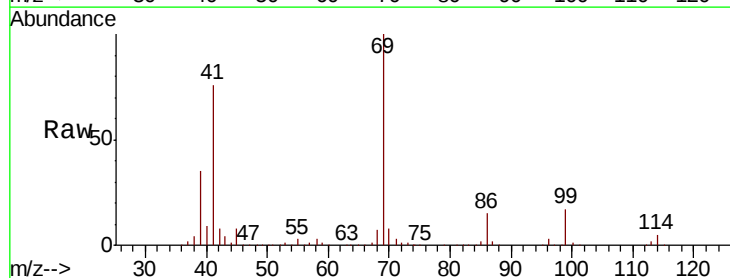
Instrument :
 MSVOA_X
 ClientSampleId :

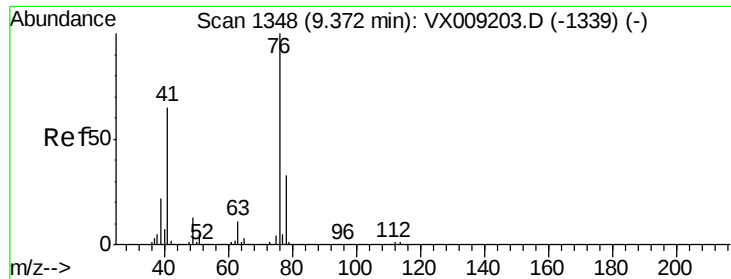
Tot Ion:	97	Resp:	96036
Ion	Ratio	Lower	Upper
97	100		
83	87.4	68.9	103.3
85	58.7	43.8	65.6
99	62.6	48.2	72.2



#56
 Ethyl methacrylate
 Concen: 57.568 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009442.D
 Acq: 09 May 2019 20:51

Tgt Ion:	69	Resp:	175805
Ion	Ratio	Lower	Upper
69	100		
41	76.0	60.6	90.8
39	35.9	28.2	42.4





#57

1,3-Dichloropropane

Concen: 55.563 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX009442.D

Acq: 09 May 2019 20:51

Instrument :

MSVOA_X

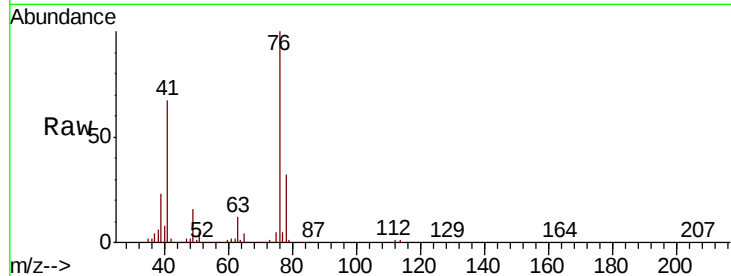
ClientSampleId :

Tot Ion: 76 Resp: 167277

Ion Ratio Lower Upper

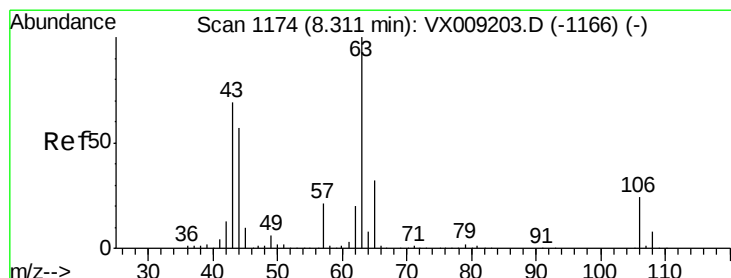
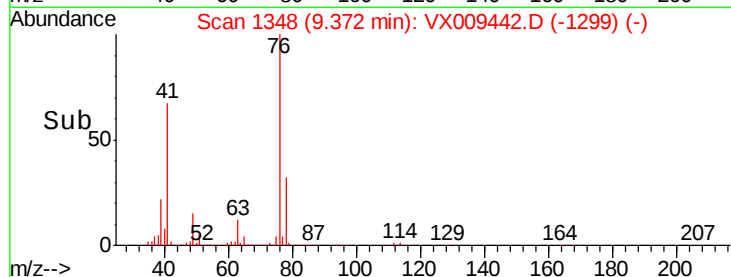
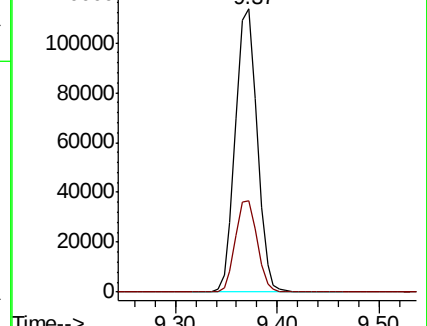
76 100

78 32.4 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 260.696 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX009442.D

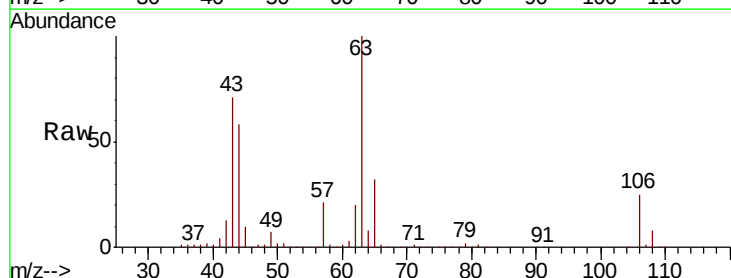
Acq: 09 May 2019 20:51

Tgt Ion: 63 Resp: 422348

Ion Ratio Lower Upper

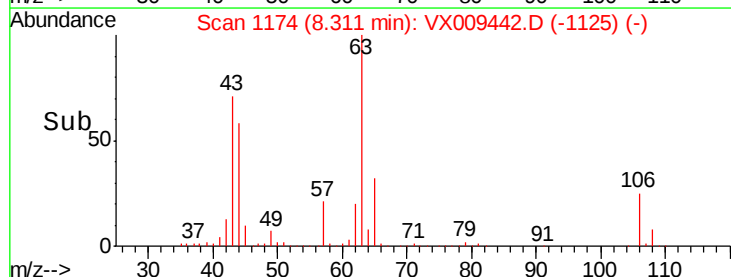
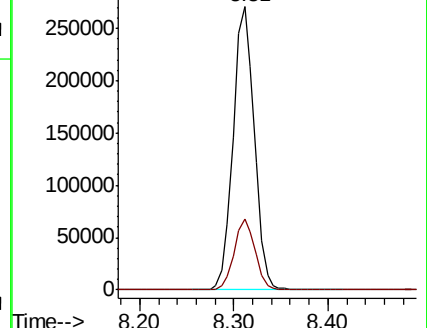
63 100

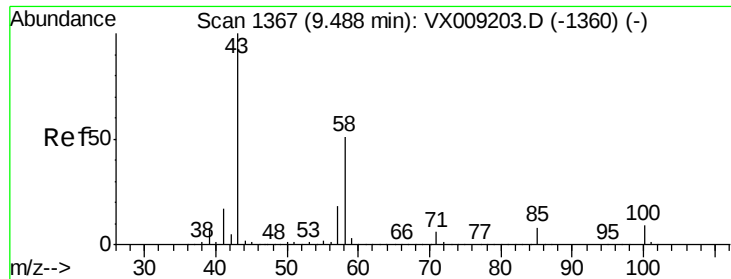
106 24.8 19.7 29.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

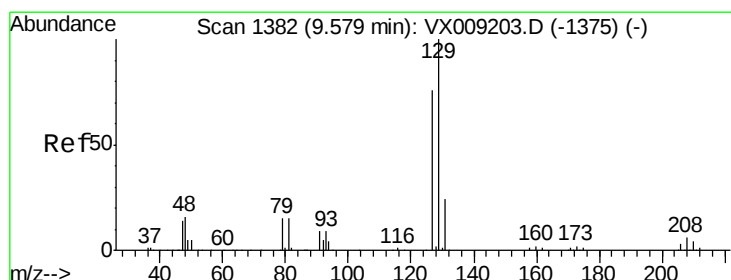
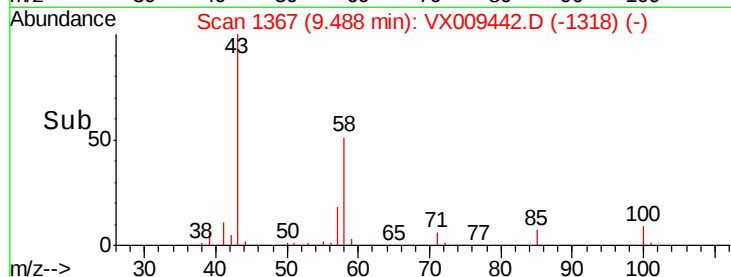
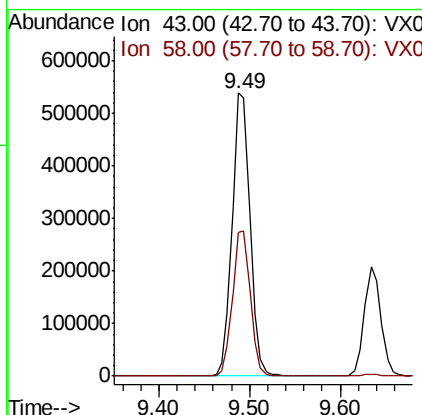
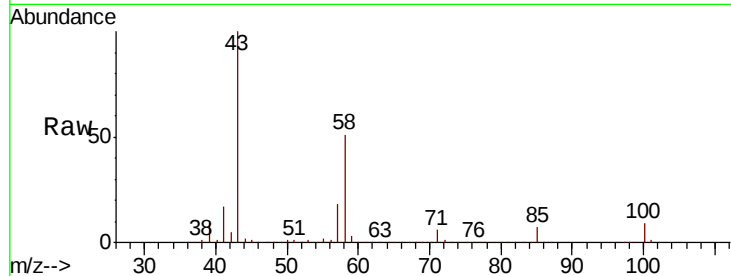




#59
2-Hexanone
Concen: 289.435 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009442.D
Acq: 09 May 2019 20:51

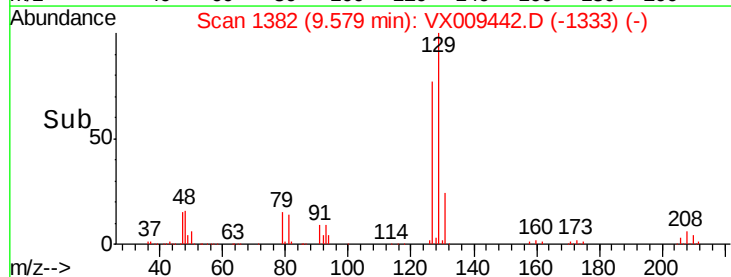
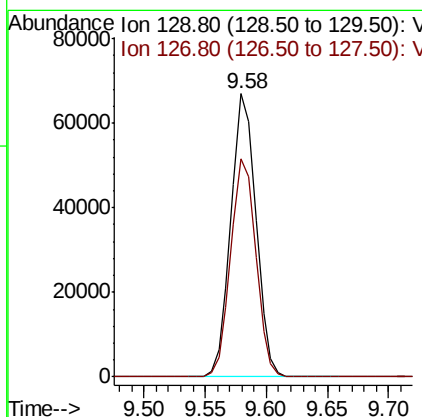
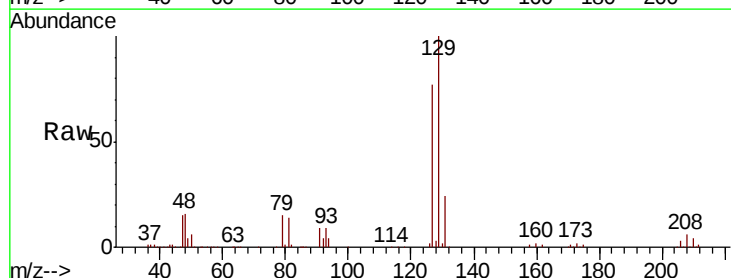
Instrument :
MSVOA_X
ClientSampled :

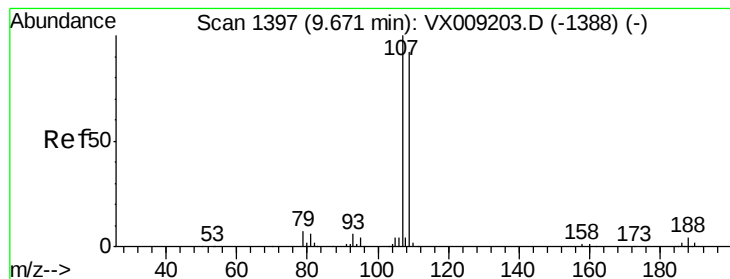
Tot Ion: 43 Resp: 738117
Ion Ratio Lower Upper
43 100
58 51.4 25.9 77.7



#60
Dibromochloromethane
Concen: 56.888 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009442.D
Acq: 09 May 2019 20:51

Tgt Ion: 129 Resp: 95056
Ion Ratio Lower Upper
129 100
127 77.4 38.4 115.1





#61

1,2-Dibromoethane

Concen: 57.196 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009442.D

Acq: 09 May 2019 20:51

Instrument :

MSVOA_X

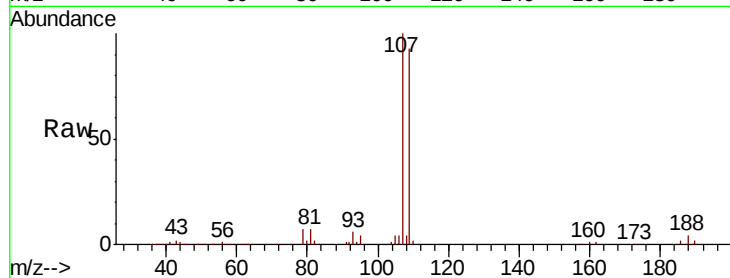
ClientSampleId :

Tot Ion:107 Resp: 98774

Ion Ratio Lower Upper

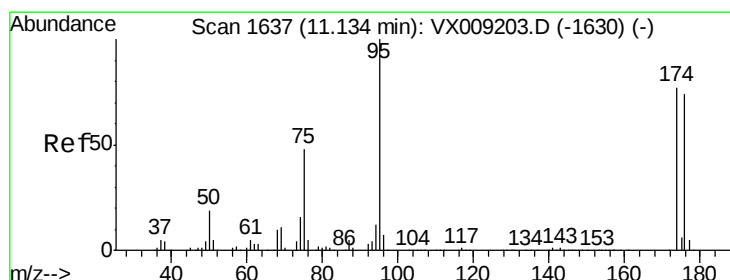
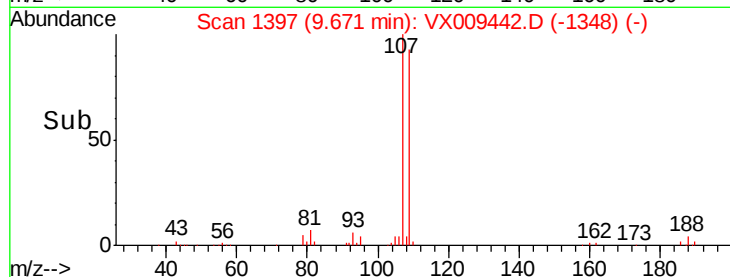
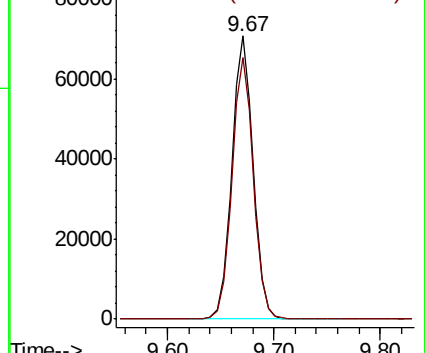
107 100

109 93.0 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.129 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009442.D

Acq: 09 May 2019 20:51

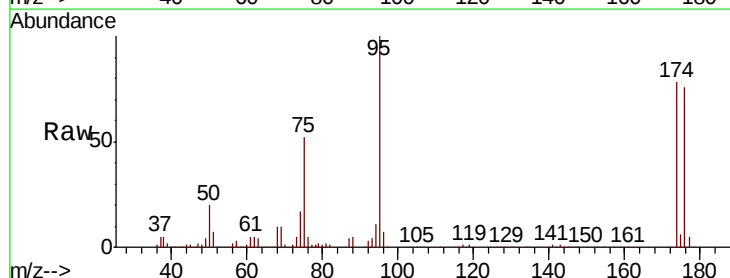
Tgt Ion: 95 Resp: 115310

Ion Ratio Lower Upper

95 100

174 82.4 0.0 161.6

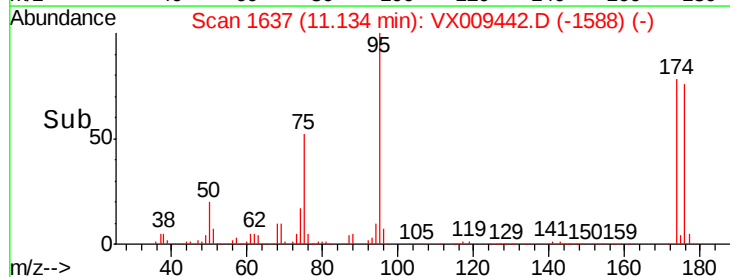
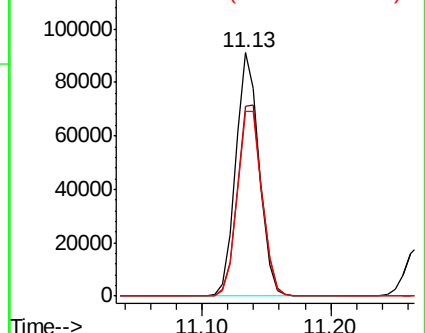
176 80.1 0.0 159.2

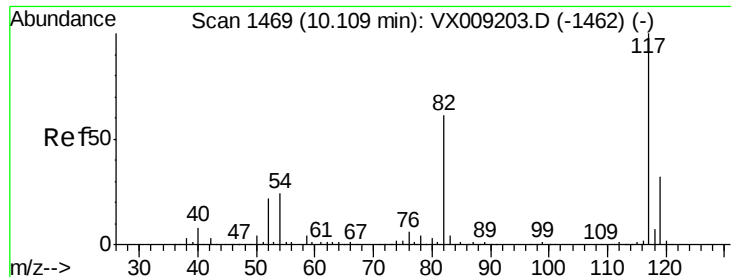


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

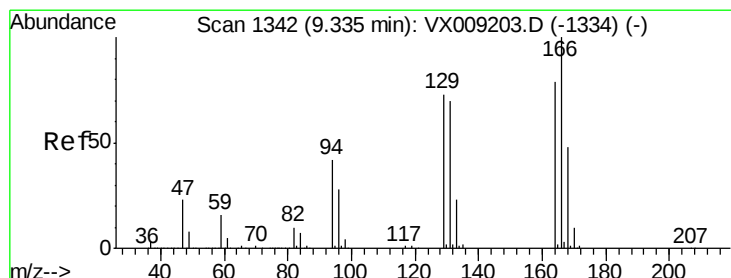
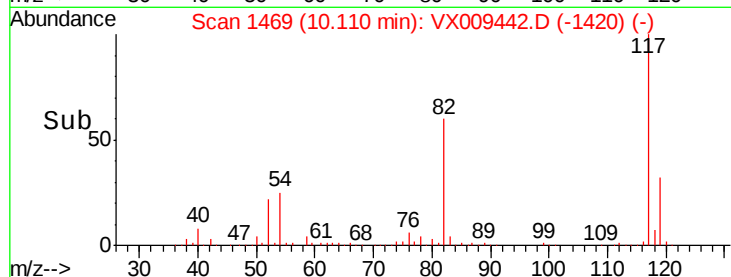
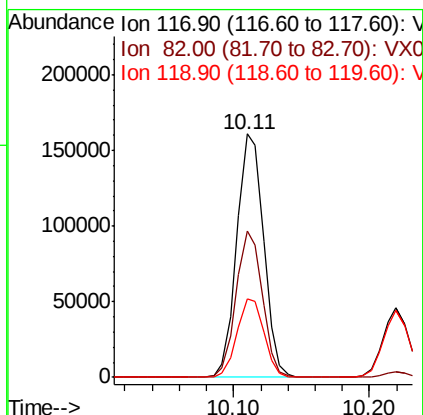
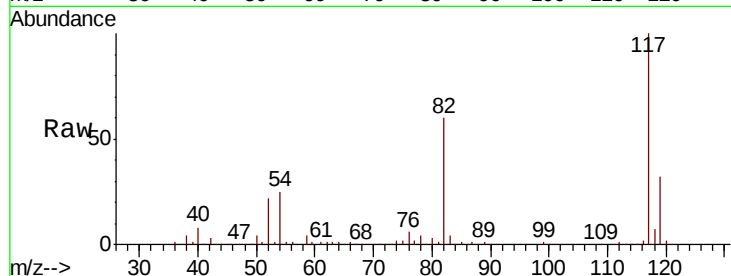




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009442.D
Acq: 09 May 2019 20:51

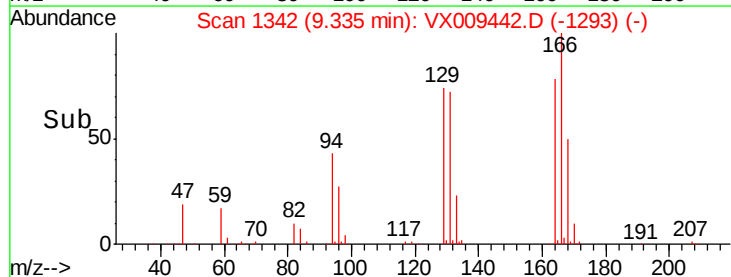
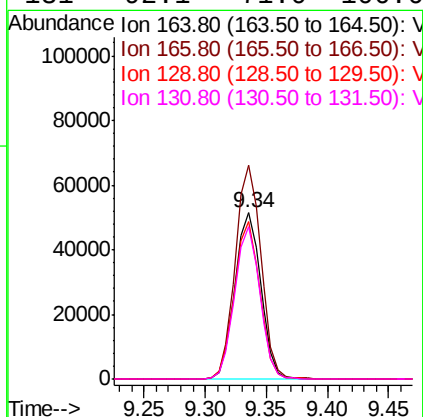
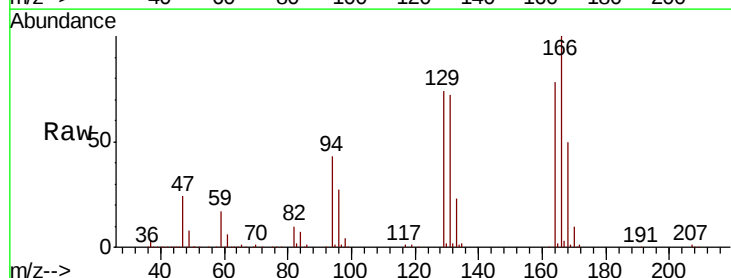
Instrument :
MSVOA_X
ClientSampleId :

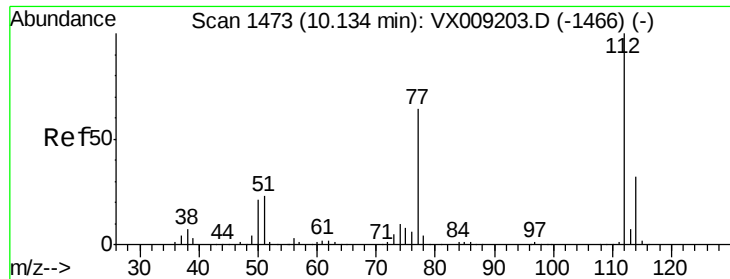
Tot Ion:117 Resp: 221367
Ion Ratio Lower Upper
117 100
82 60.2 48.8 73.2
119 32.3 25.8 38.6



#64
Tetrachloroethene
Concen: 49.640 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009442.D
Acq: 09 May 2019 20:51

Tgt Ion:164 Resp: 75377
Ion Ratio Lower Upper
164 100
166 128.7 101.2 151.8
129 94.9 74.3 111.5
131 92.1 71.0 106.6

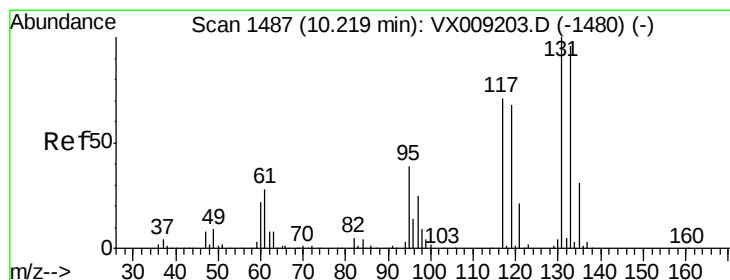
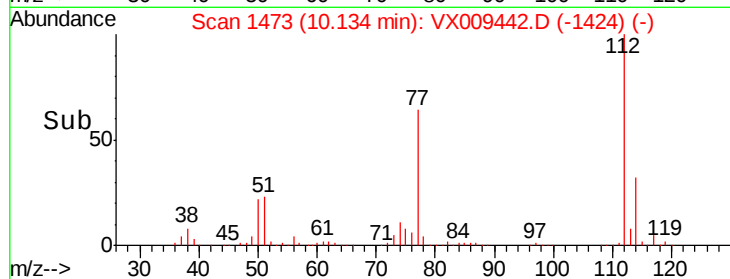
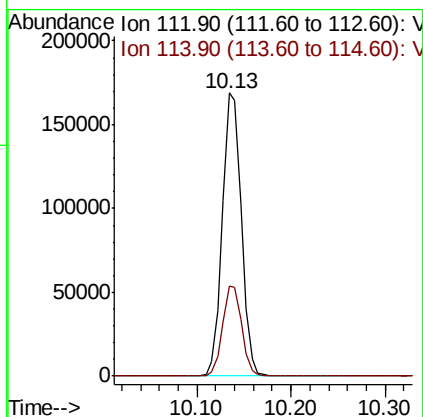
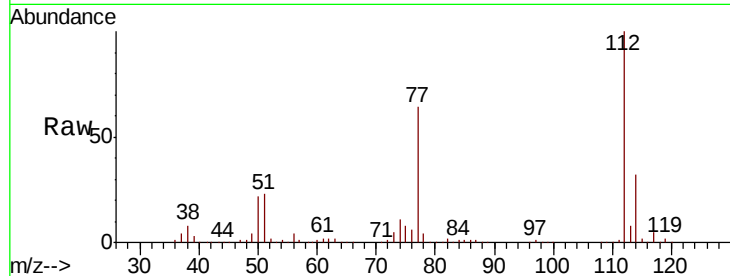




#65
Chlorobenzene
Concen: 53.412 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX009442.D
Acq: 09 May 2019 20:51

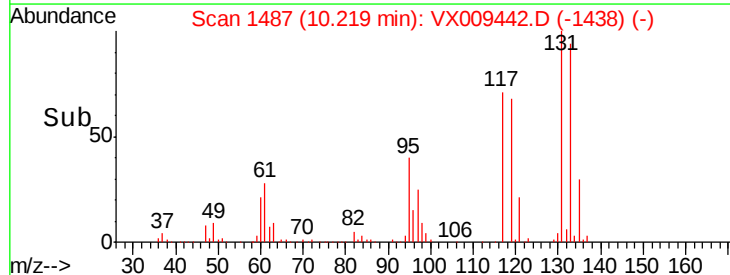
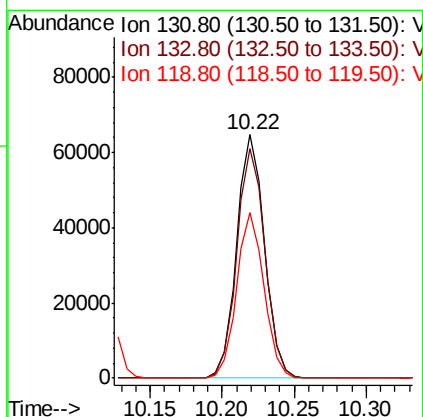
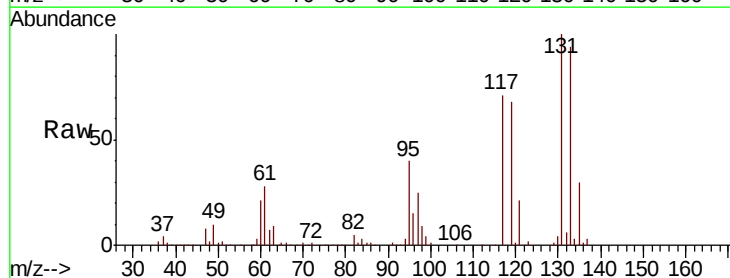
Instrument :
MSVOA_X
ClientSampleId :

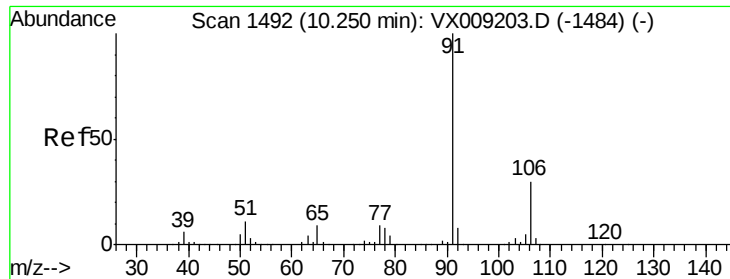
Tot Ion:112 Resp: 236526
Ion Ratio Lower Upper
112 100
114 31.9 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 54.053 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009442.D
Acq: 09 May 2019 20:51

Tgt Ion:131 Resp: 86779
Ion Ratio Lower Upper
131 100
133 95.6 47.7 143.1
119 66.9 33.5 100.4

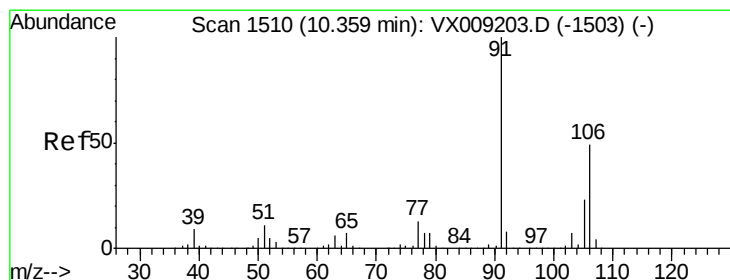
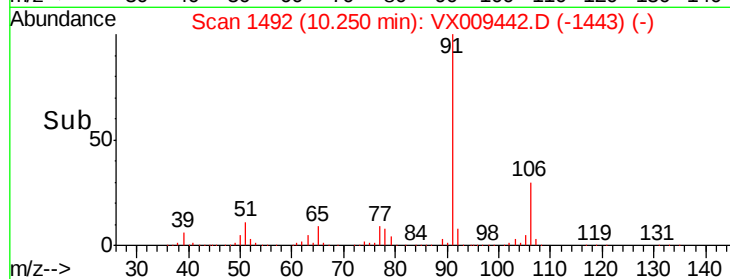
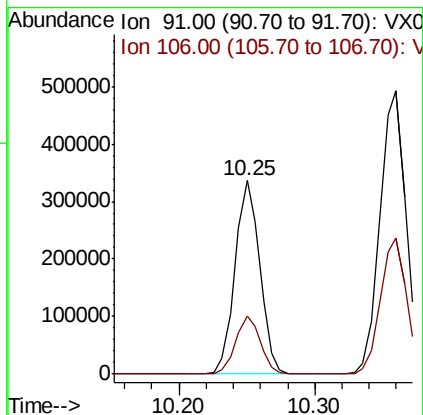
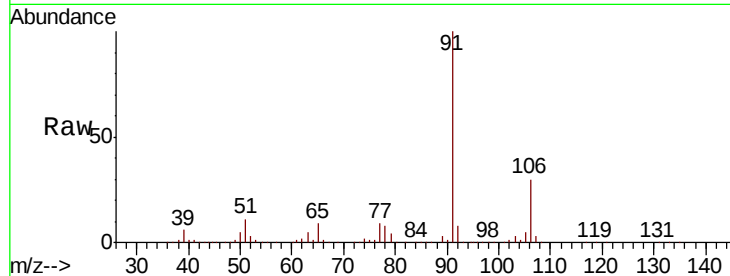




#67
Ethyl Benzene
Concen: 52.456 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX009442.D
Acq: 09 May 2019 20:51

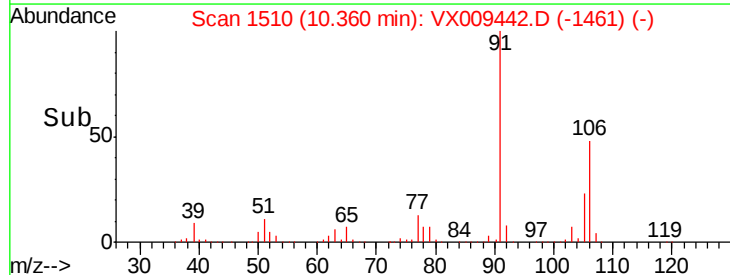
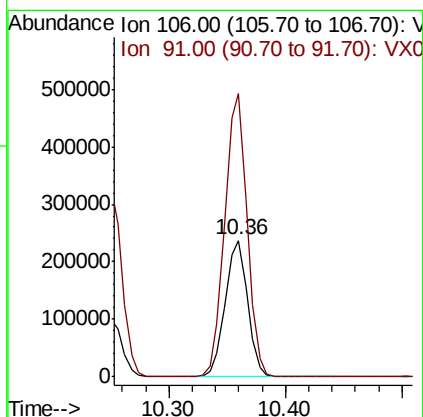
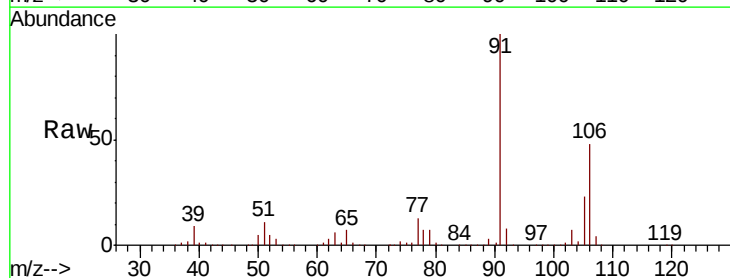
Instrument :
MSVOA_X
ClientSampled :

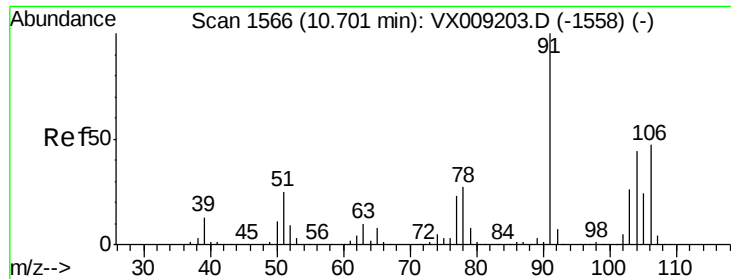
Tot Ion: 91 Resp: 427511
Ion Ratio Lower Upper
91 100
106 30.2 24.0 36.0



#68
m/p-Xylenes
Concen: 106.298 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX009442.D
Acq: 09 May 2019 20:51

Tgt Ion: 106 Resp: 316577
Ion Ratio Lower Upper
106 100
91 207.2 164.0 246.0

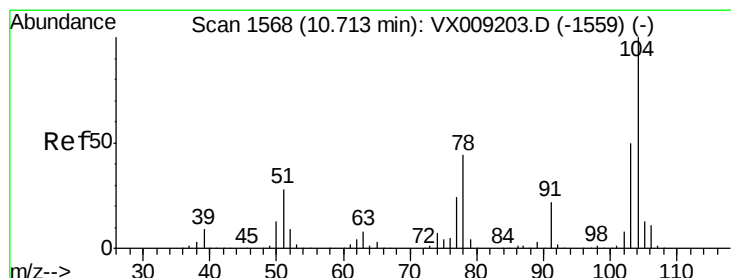
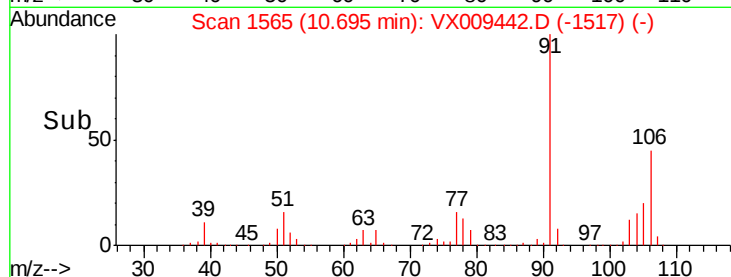
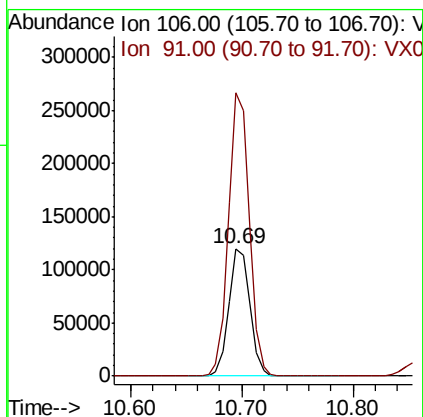
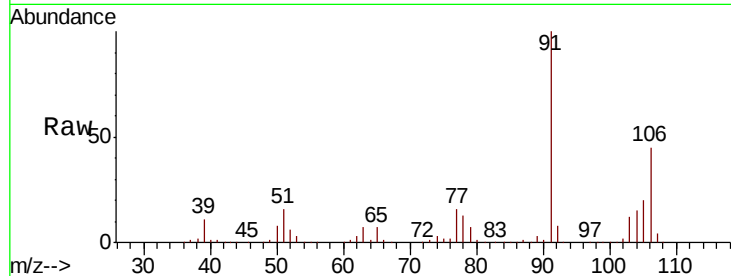




#69
o-Xylene
Concen: 53.493 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009442.D
Acq: 09 May 2019 20:51

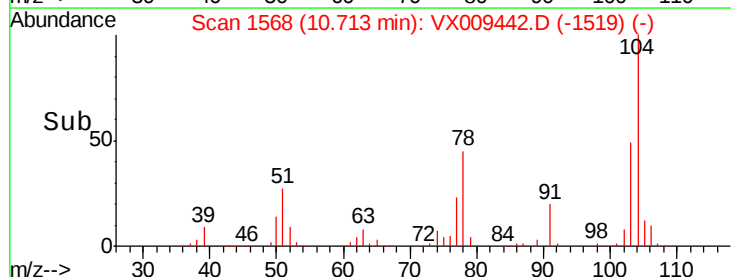
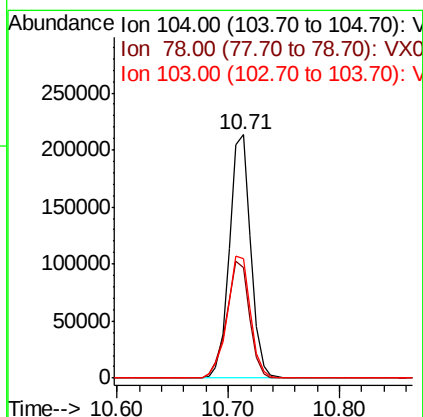
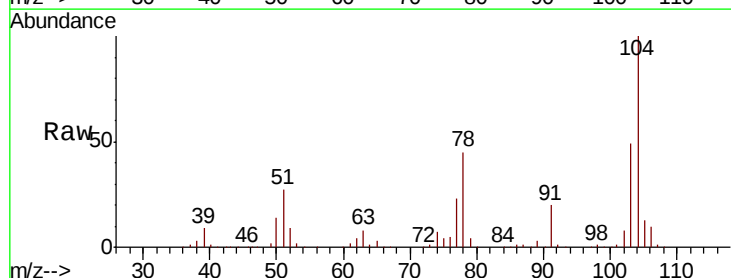
Instrument :
MSVOA_X
ClientSampled :

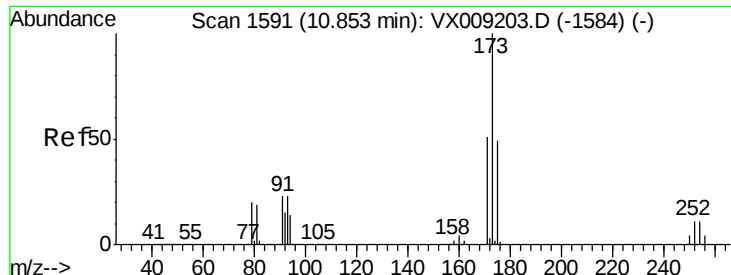
Tot Ion:106 Resp: 157185
Ion Ratio Lower Upper
106 100
91 219.2 109.5 328.4



#70
Styrene
Concen: 54.937 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009442.D
Acq: 09 May 2019 20:51

Tgt Ion:104 Resp: 280578
Ion Ratio Lower Upper
104 100
78 52.0 41.0 61.4
103 54.7 43.8 65.6





#71

Bromoform

Concen: 57.308 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009442.D

Acq: 09 May 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

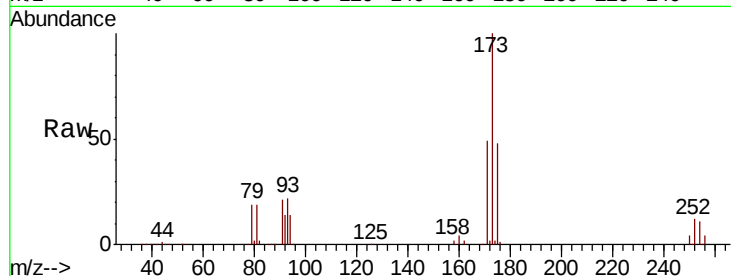
Tot Ion:173 Resp: 74768

Ion Ratio Lower Upper

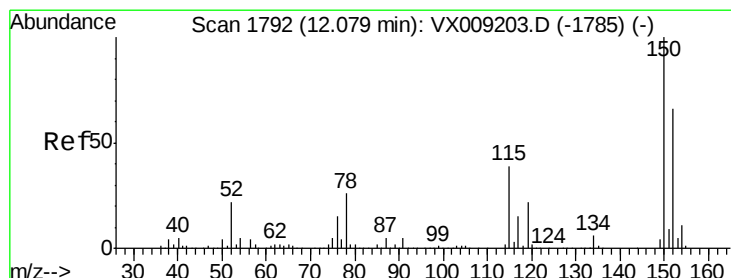
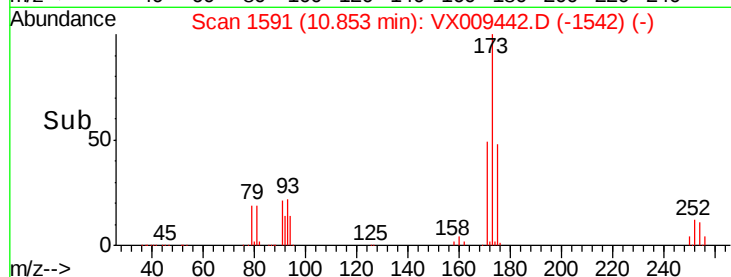
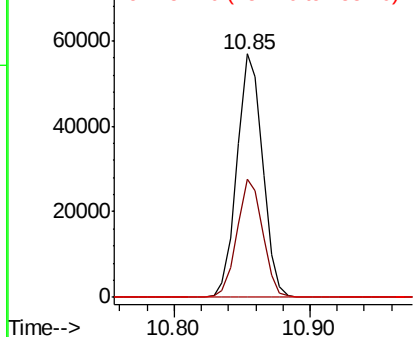
173 100

175 48.7 24.5 73.5

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009442.D

Acq: 09 May 2019 20:51

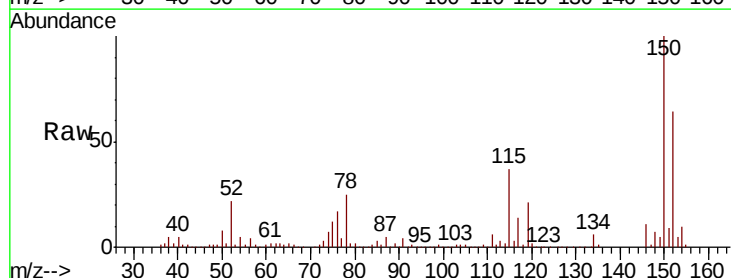
Tgt Ion:152 Resp: 110984

Ion Ratio Lower Upper

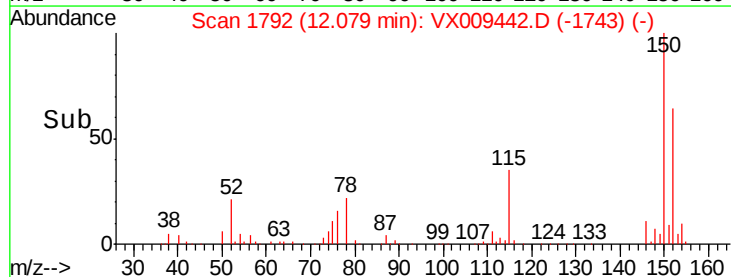
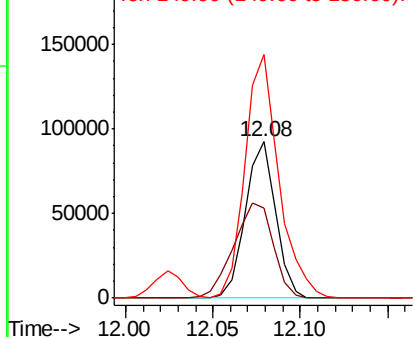
152 100

115 80.2 41.2 123.6

150 174.7 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.495 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009442.D

Acq: 09 May 2019 20:51

Instrument :

MSVOA_X

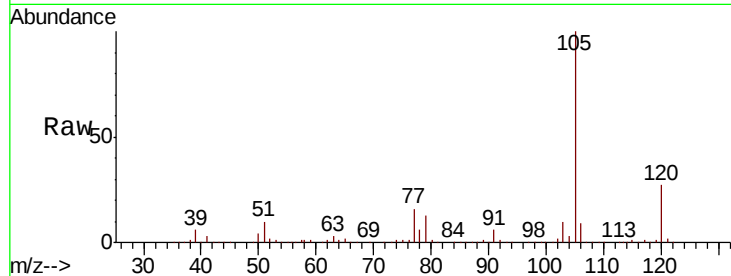
ClientSampleId :

Tot Ion:105 Resp: 399457

Ion Ratio Lower Upper

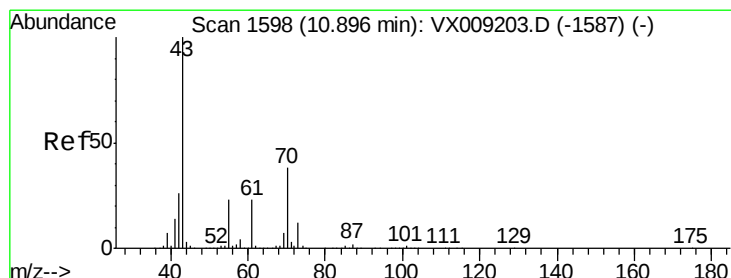
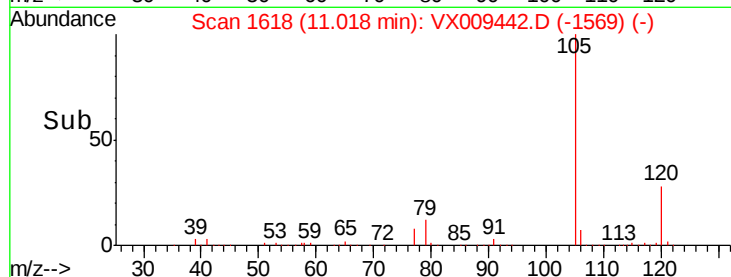
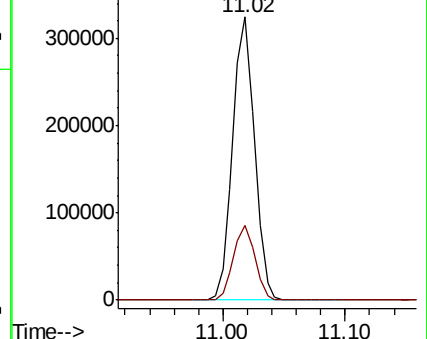
105 100

120 26.2 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 55.707 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009442.D

Acq: 09 May 2019 20:51

Tgt Ion: 43 Resp: 262116

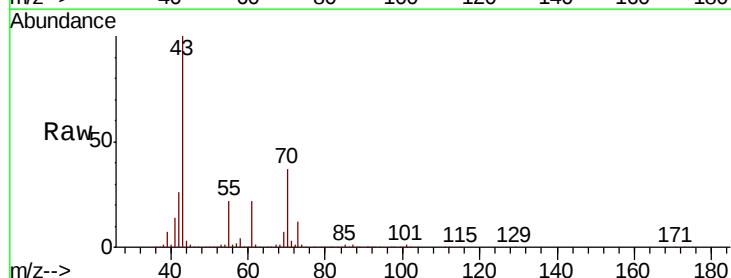
Ion Ratio Lower Upper

43 100

70 37.1 30.0 45.0

55 22.6 17.9 26.9

61 22.6 18.4 27.6

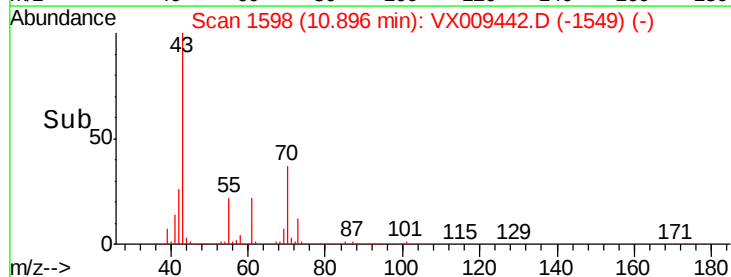
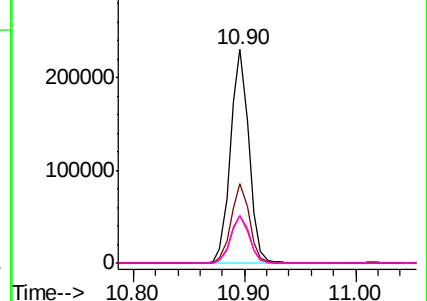


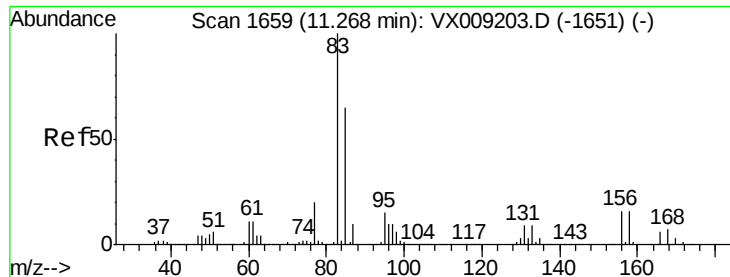
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 53.357 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009442.D

Acq: 09 May 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

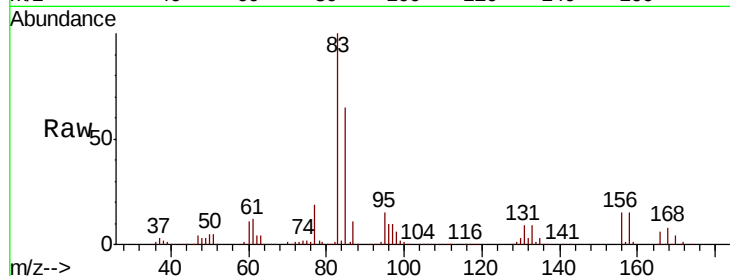
Tot Ion: 83 Resp: 160530

Ion Ratio Lower Upper

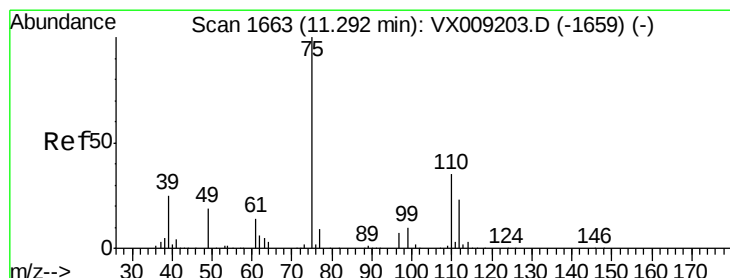
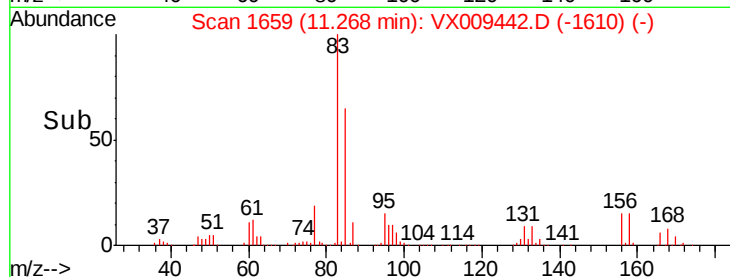
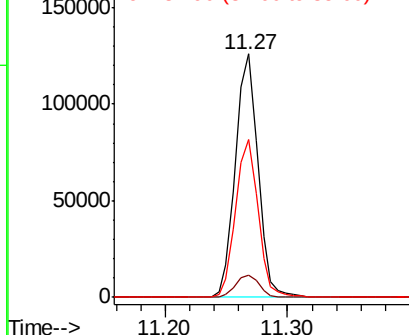
83 100

131 9.5 4.6 13.8

85 65.0 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 73.561 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX009442.D

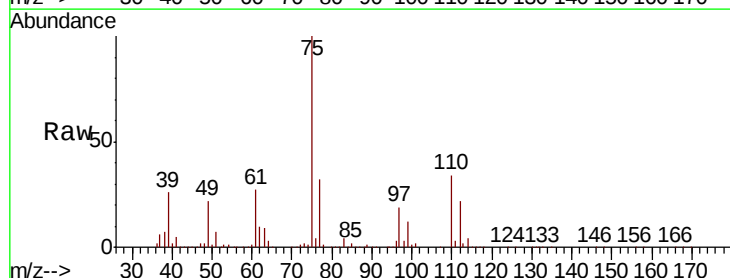
Acq: 09 May 2019 20:51

Tgt Ion: 75 Resp: 189378

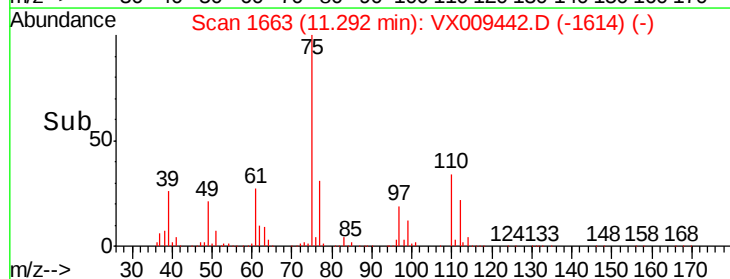
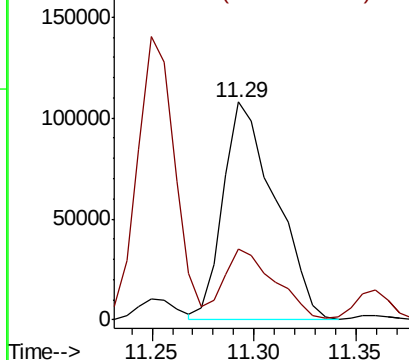
Ion Ratio Lower Upper

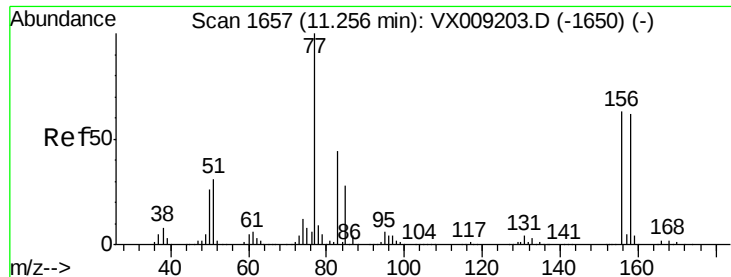
75 100

77 32.2 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 53.283 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009442.D

Acq: 09 May 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

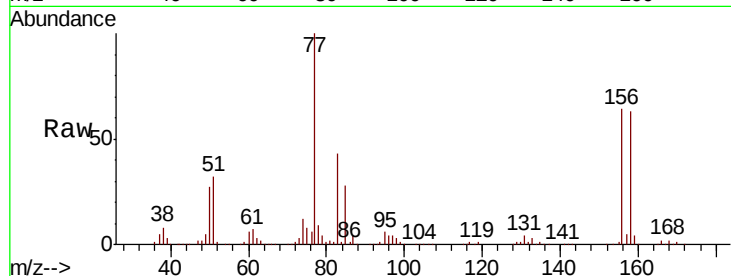
Tot Ion:156 Resp: 106734

Ion Ratio Lower Upper

156 100

77 167.1 84.8 254.3

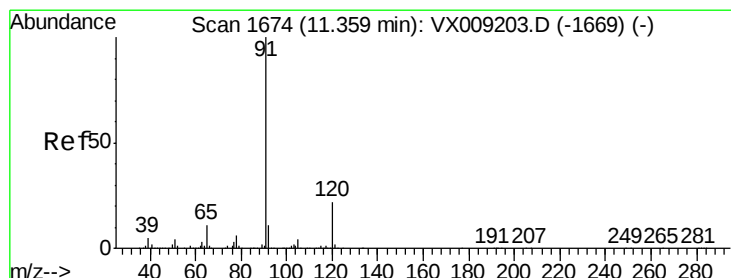
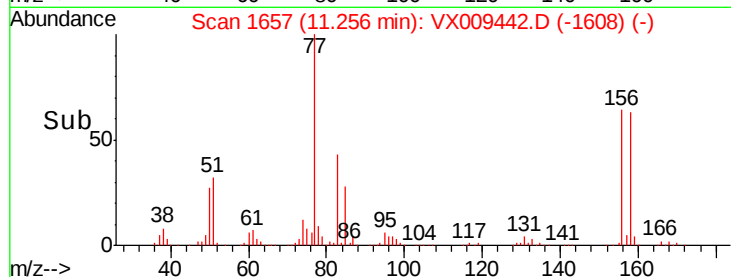
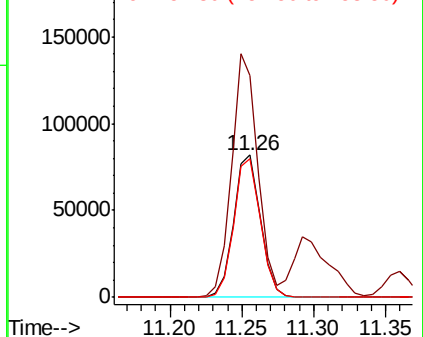
158 97.3 49.1 147.3



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: 49.860 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009442.D

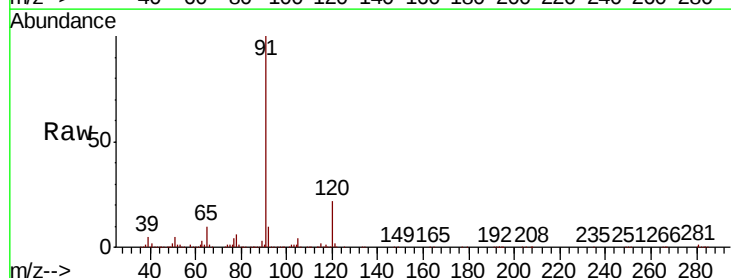
Acq: 09 May 2019 20:51

Tgt Ion: 91 Resp: 459559

Ion Ratio Lower Upper

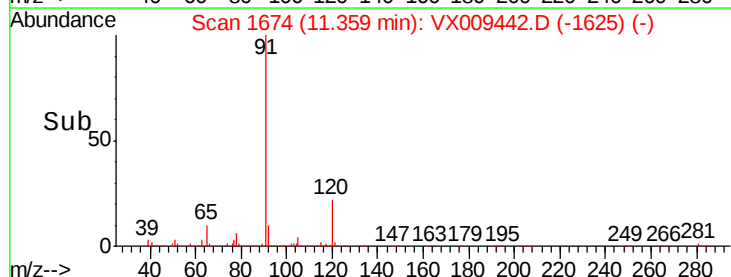
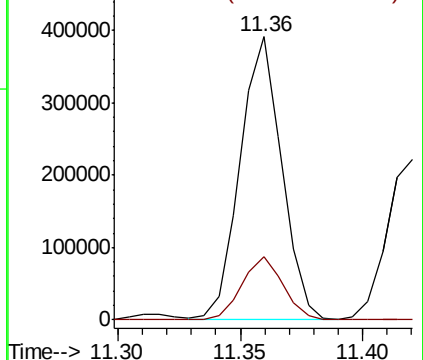
91 100

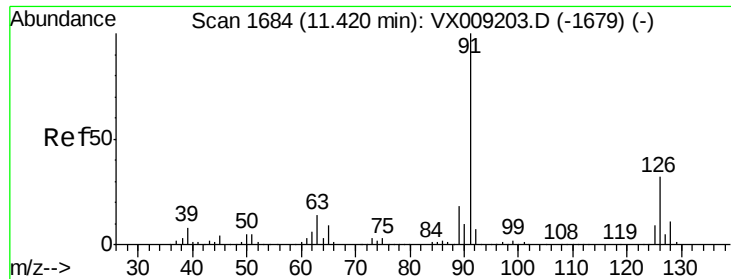
120 22.2 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

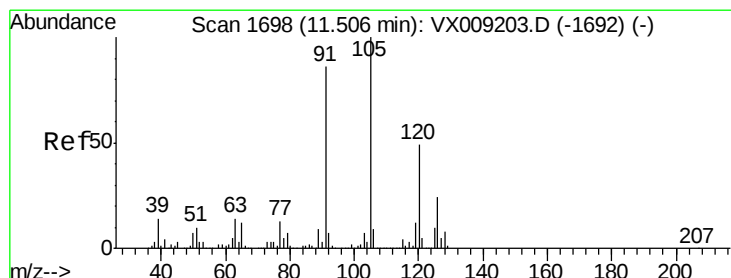
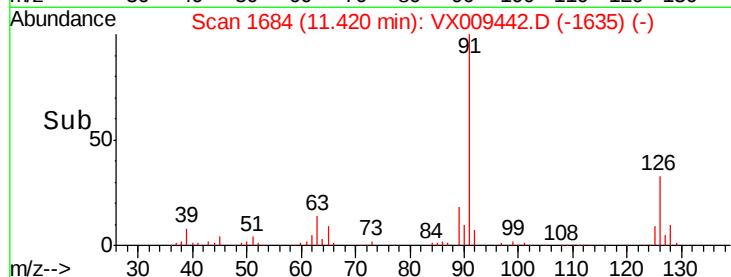
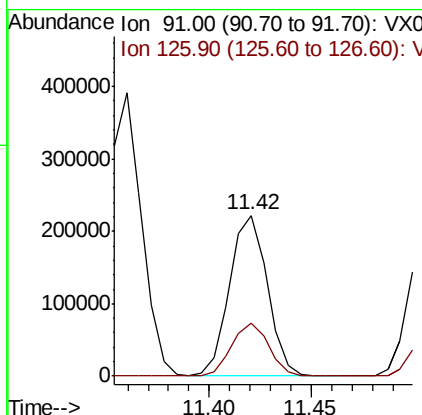
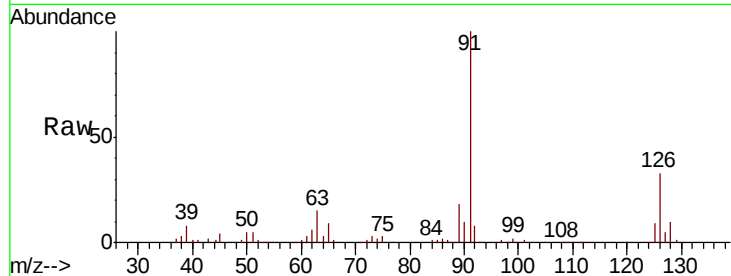




#79
 2-Chlorotoluene
 Concen: 50.024 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX009442.D
 Acq: 09 May 2019 20:51

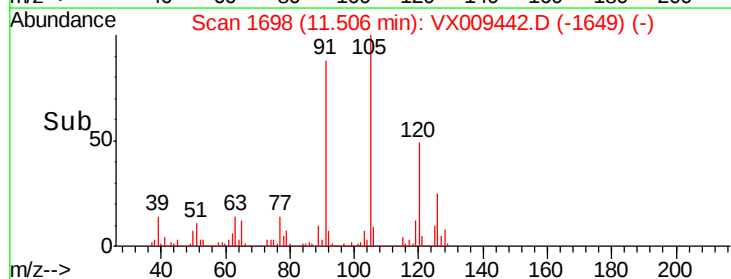
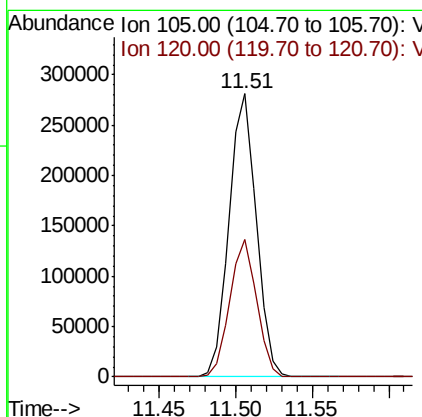
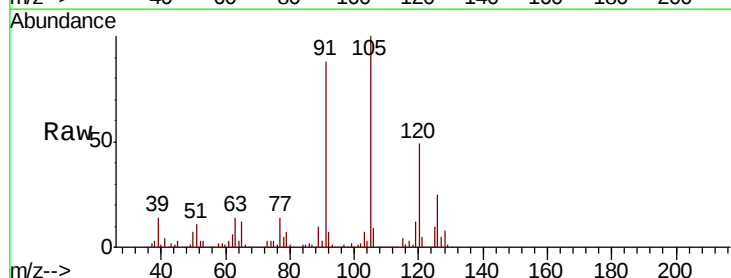
Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 91 Resp: 284460
 Ion Ratio Lower Upper
 91 100
 126 32.7 16.3 48.9



#80
 1,3,5-Trimethylbenzene
 Concen: 50.892 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX009442.D
 Acq: 09 May 2019 20:51

Tgt Ion: 105 Resp: 345840
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 53.626 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009442.D

Acq: 09 May 2019 20:51

Instrument :

MSVOA_X

ClientSampled :

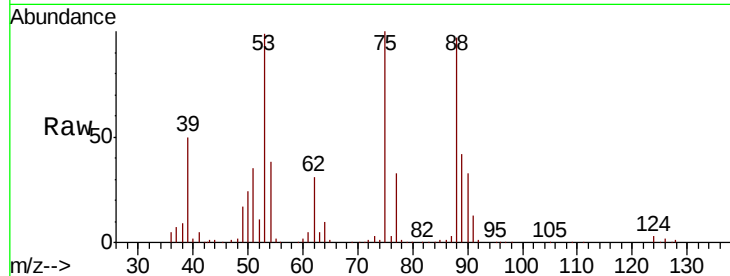
Tot Ion: 75 Resp: 53957

Ion Ratio Lower Upper

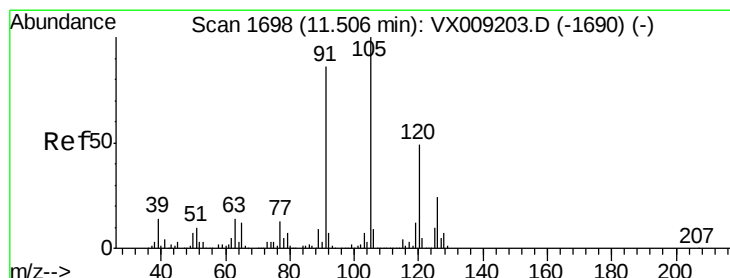
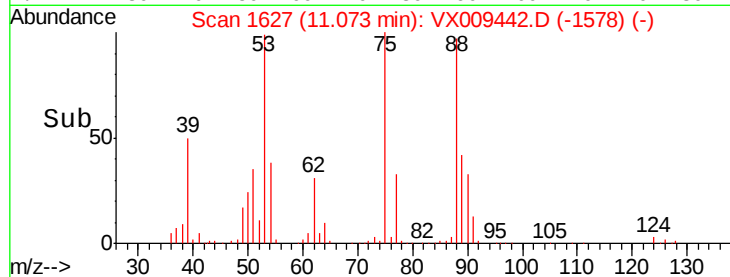
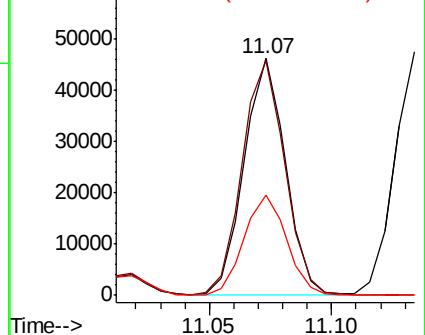
75 100

53 103.1 79.0 118.6

89 44.0 34.7 52.1



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: 51.101 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX009442.D

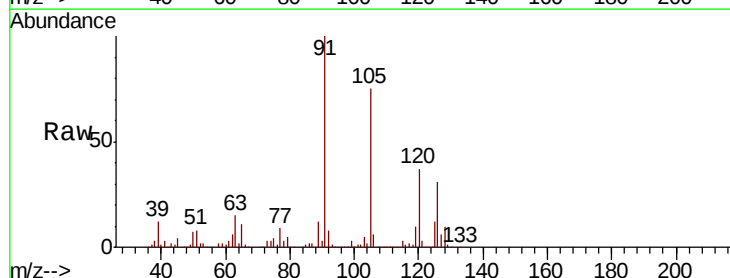
Acq: 09 May 2019 20:51

Tgt Ion: 91 Resp: 328274

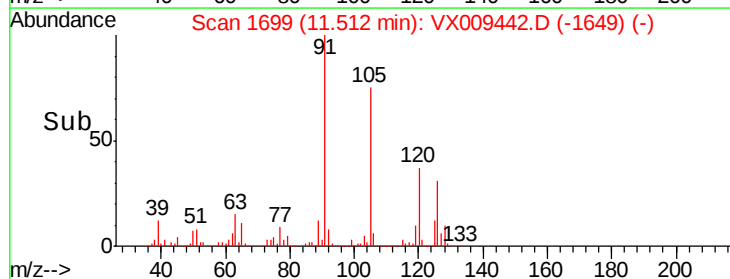
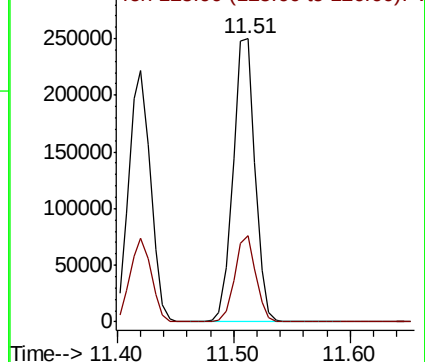
Ion Ratio Lower Upper

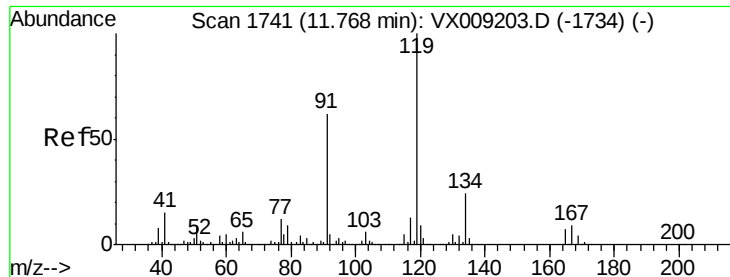
91 100

126 29.3 14.5 43.6



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

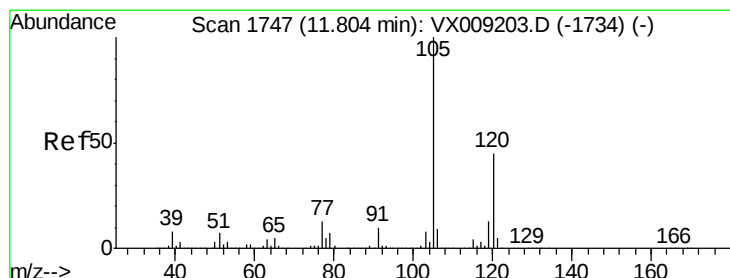
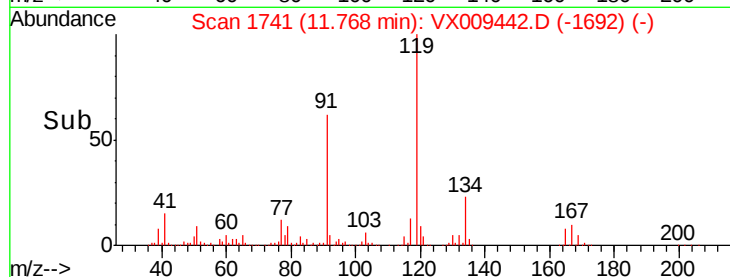
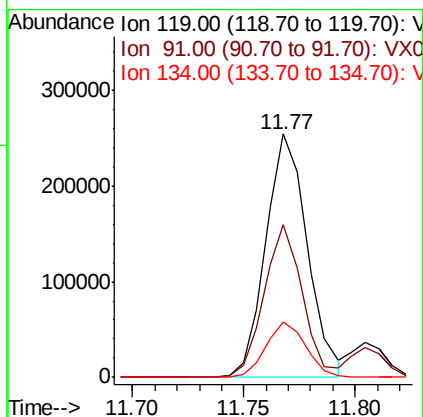
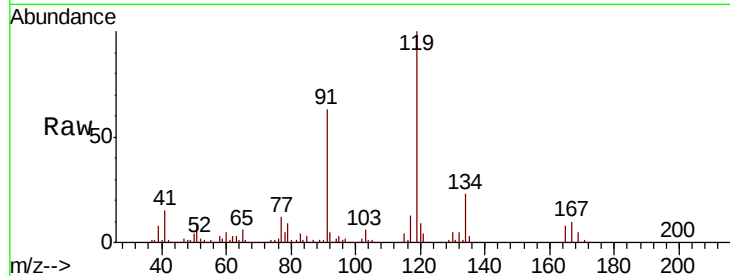




#83
tert-Butylbenzene
Concen: 49.780 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX009442.D
Acq: 09 May 2019 20:51

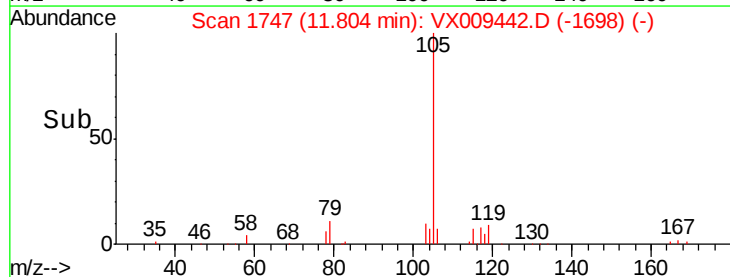
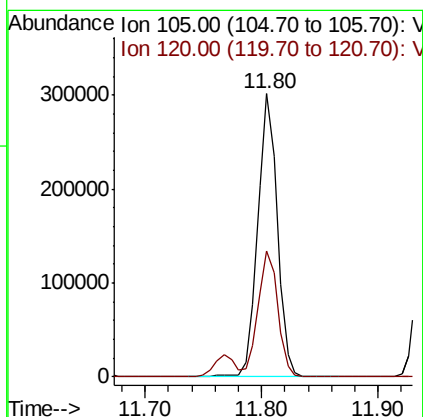
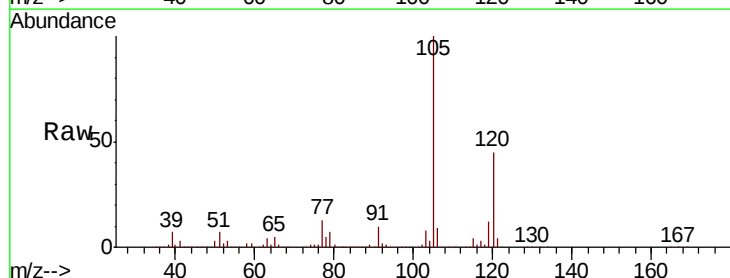
Instrument :
MSVOA_X
ClientSampleId :

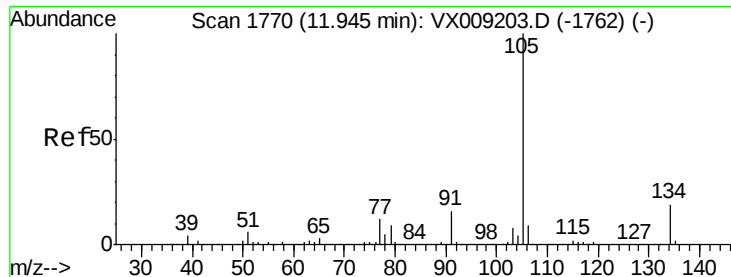
Tot Ion:119 Resp: 329073
Ion Ratio Lower Upper
119 100
91 58.1 29.5 88.5
134 22.1 11.4 34.1



#84
1,2,4-Trimethylbenzene
Concen: 51.966 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX009442.D
Acq: 09 May 2019 20:51

Tgt Ion:105 Resp: 354457
Ion Ratio Lower Upper
105 100
120 45.2 22.0 66.0





#85

sec-Butylbenzene

Concen: 48.090 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009442.D

Acq: 09 May 2019 20:51

Instrument :

MSVOA_X

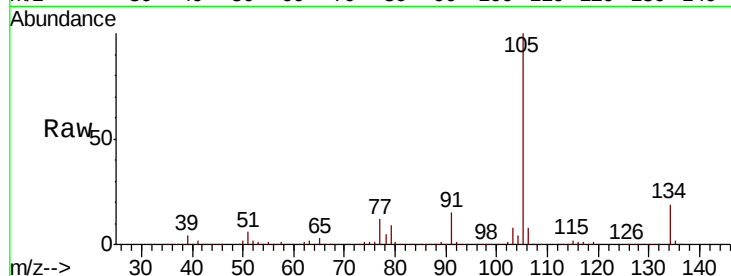
ClientSampleId :

Tot Ion:105 Resp: 376899

Ion Ratio Lower Upper

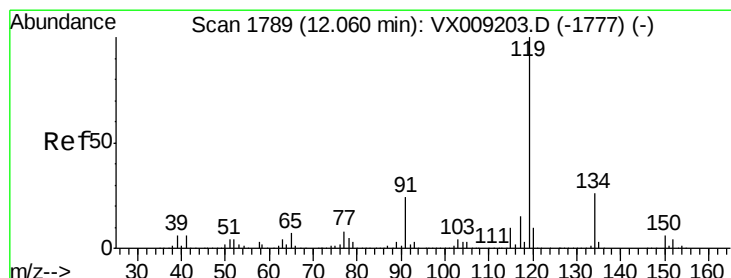
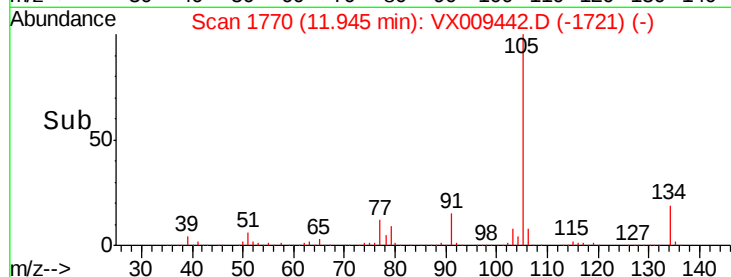
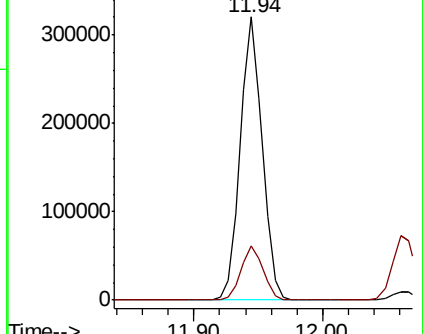
105 100

134 19.3 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.550 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009442.D

Acq: 09 May 2019 20:51

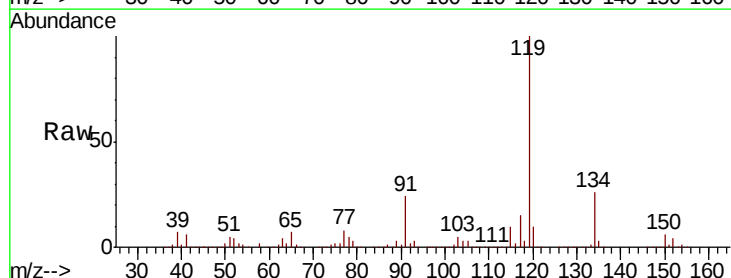
Tgt Ion:119 Resp: 349115

Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.7

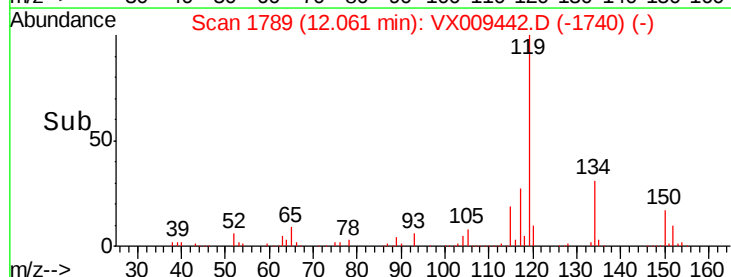
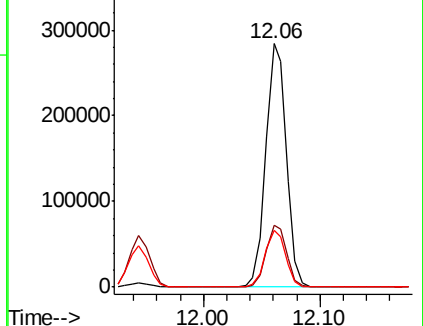
91 23.4 11.8 35.4

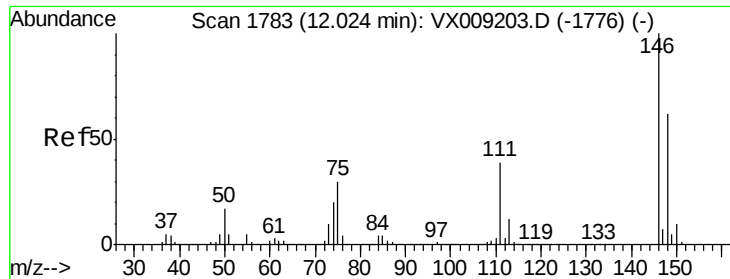


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 51.869 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX009442.D

Acq: 09 May 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

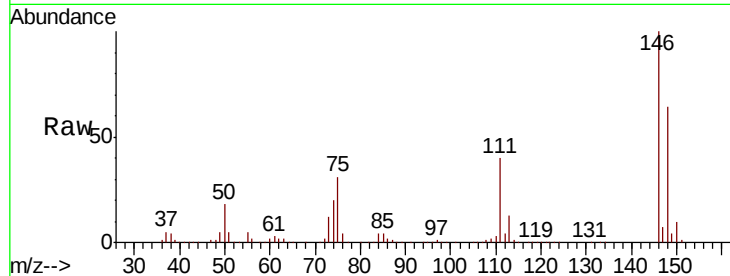
Tot Ion:146 Resp: 185224

Ion Ratio Lower Upper

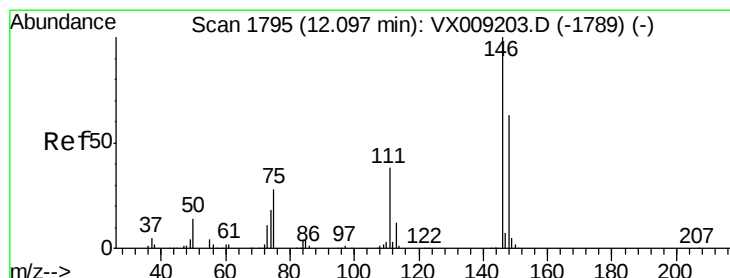
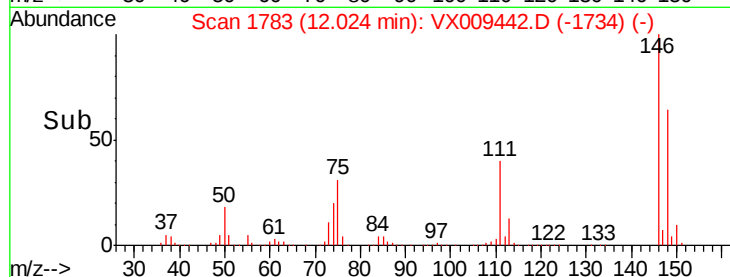
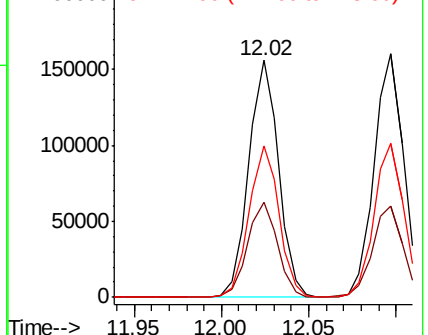
146 100

111 40.4 20.0 59.9

148 64.2 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 52.070 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX009442.D

Acq: 09 May 2019 20:51

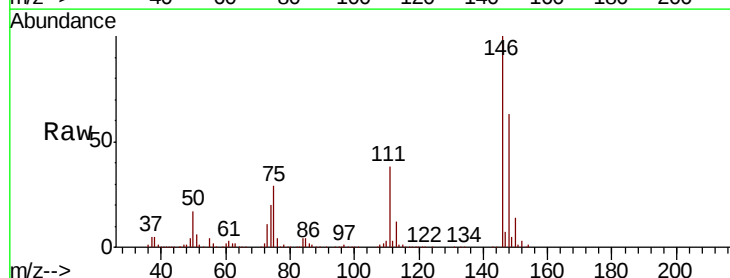
Tgt Ion:146 Resp: 187465

Ion Ratio Lower Upper

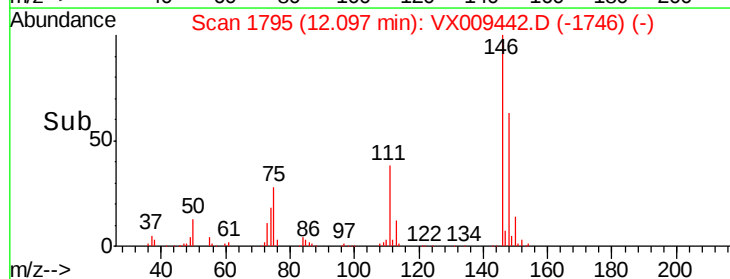
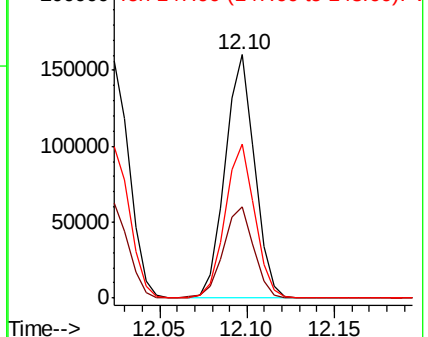
146 100

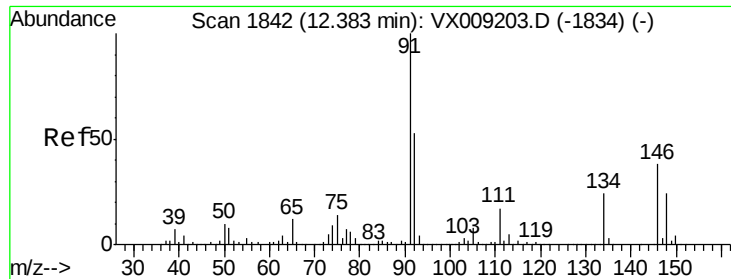
111 39.1 19.6 58.8

148 63.9 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

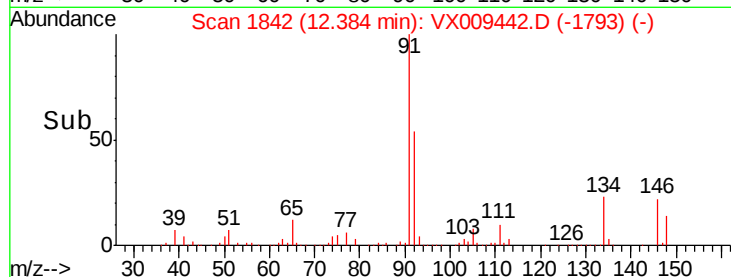
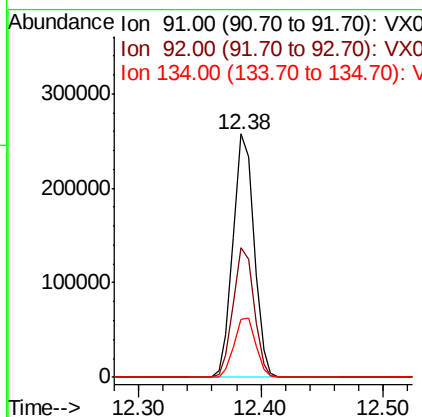
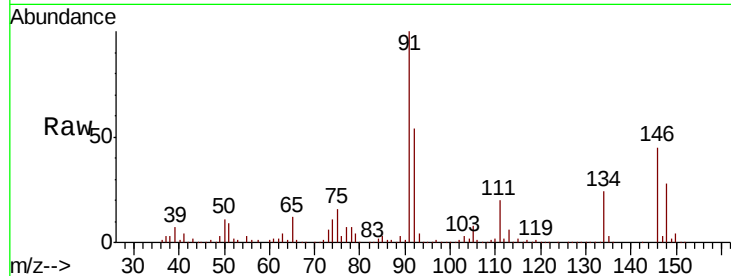




#89
n-Butylbenzene
Concen: 48.053 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009442.D
Acq: 09 May 2019 20:51

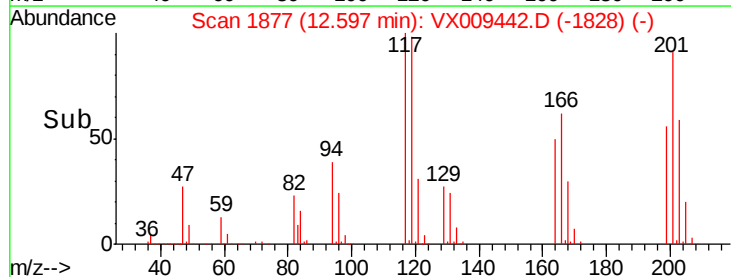
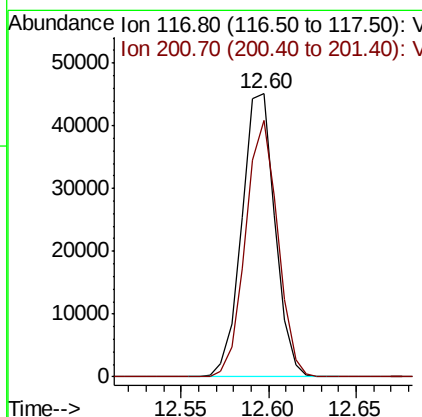
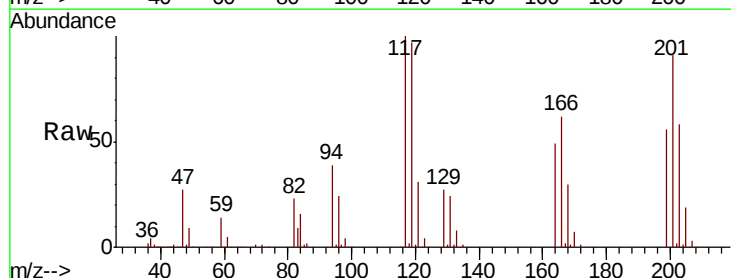
Instrument :
MSVOA_X
ClientSampleId :

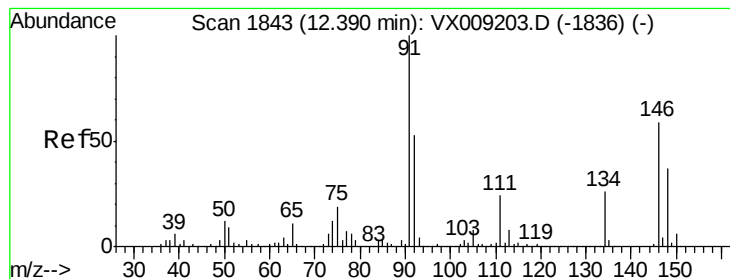
Tot Ion: 91 Resp: 306010
Ion Ratio Lower Upper
91 100
92 53.1 26.5 79.5
134 24.9 12.4 37.2



#90
Hexachloroethane
Concen: 49.482 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX009442.D
Acq: 09 May 2019 20:51

Tgt Ion: 117 Resp: 59397
Ion Ratio Lower Upper
117 100
201 87.9 42.3 126.9





#91

1,2-Dichlorobenzene

Concen: 52.035 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX009442.D

Acq: 09 May 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

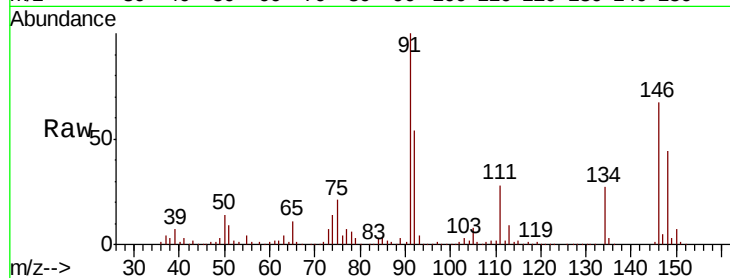
Tot Ion:146 Resp: 189263

Ion Ratio Lower Upper

146 100

111 41.7 20.8 62.4

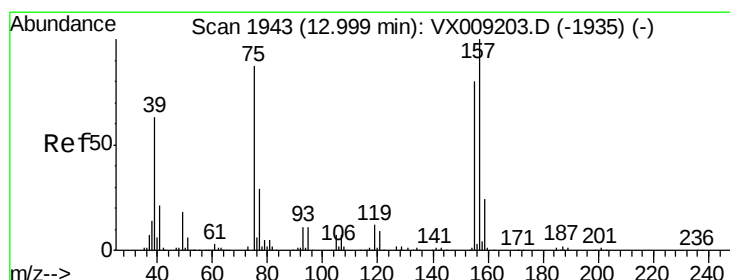
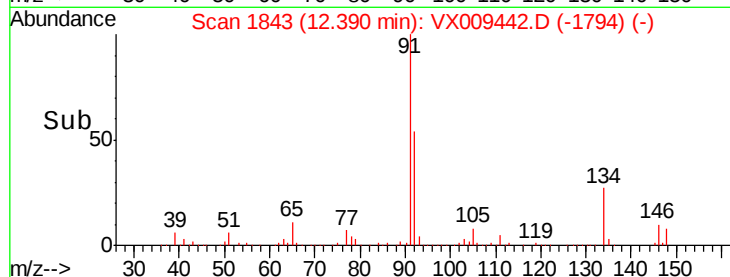
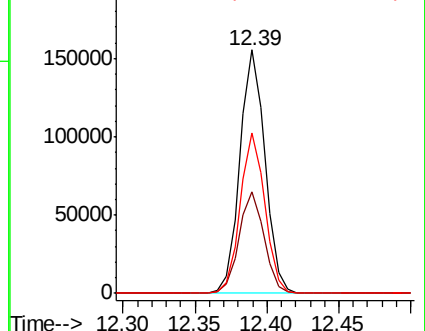
148 64.5 31.9 95.9



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: 53.789 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX009442.D

Acq: 09 May 2019 20:51

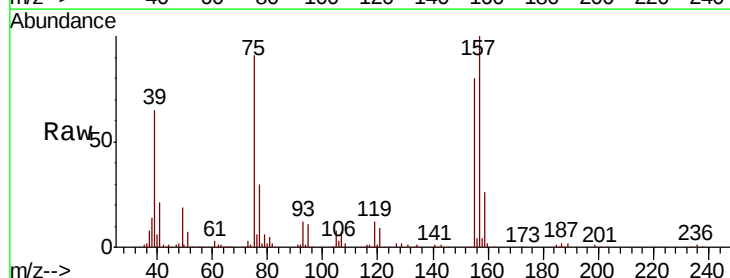
Tgt Ion: 75 Resp: 36303

Ion Ratio Lower Upper

75 100

155 84.2 42.0 126.0

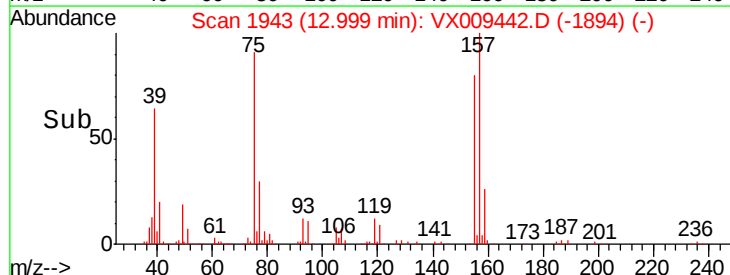
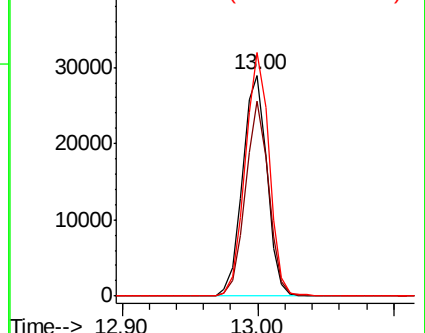
157 108.0 53.2 159.6

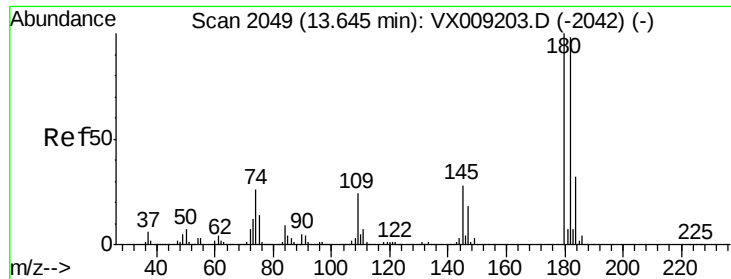


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

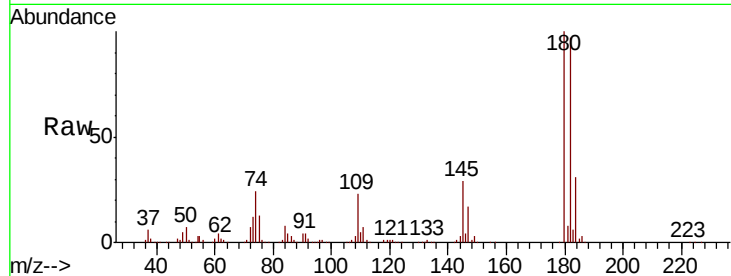




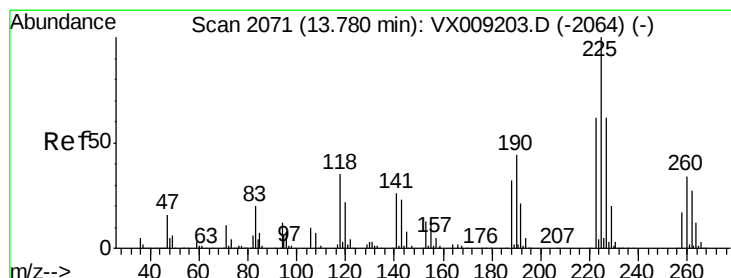
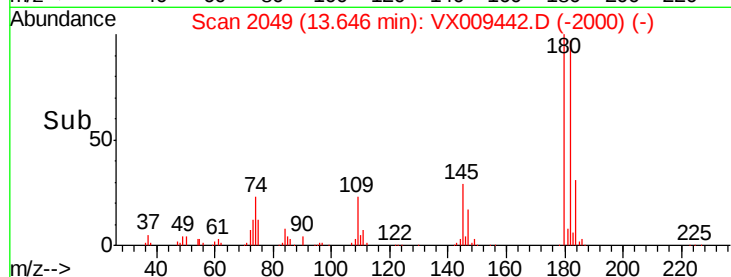
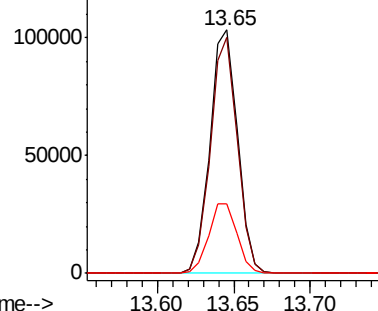
#93
 1,2,4-Trichlorobenzene
 Concen: 51.826 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009442.D
 Acq: 09 May 2019 20:51

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.4	145.2
145	29.6	14.6	43.8

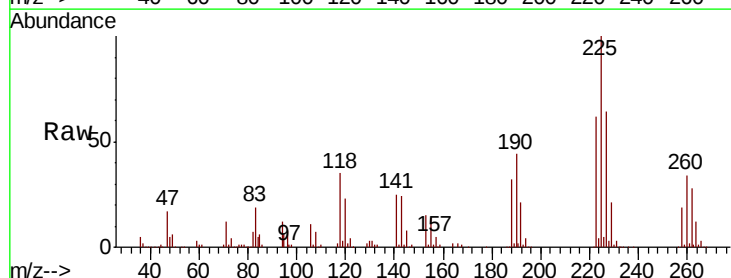


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

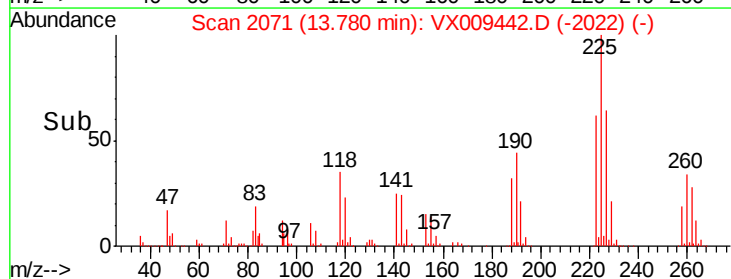
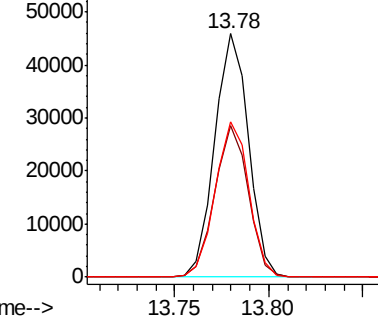


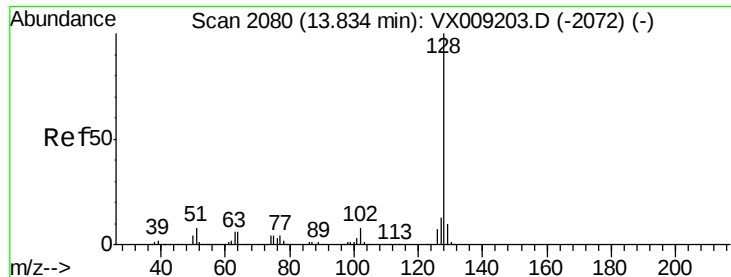
#94
 Hexachlorobutadiene
 Concen: 44.884 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009442.D
 Acq: 09 May 2019 20:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	31.3	93.8
227	63.8	31.8	95.3



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

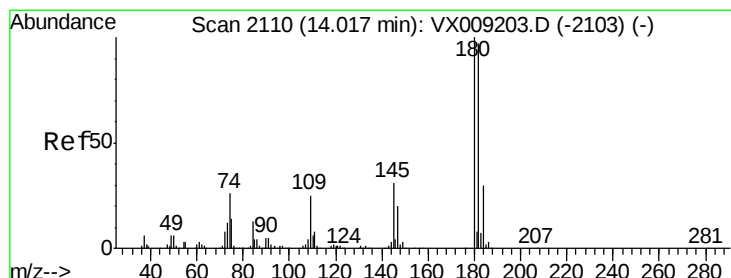
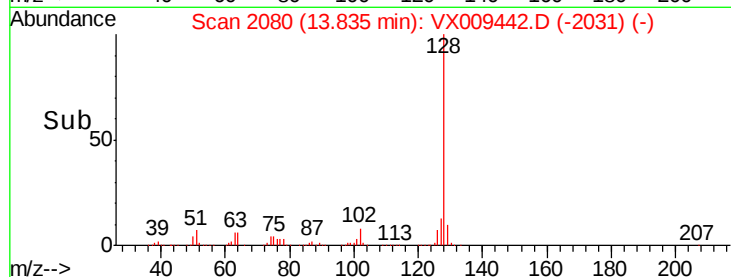
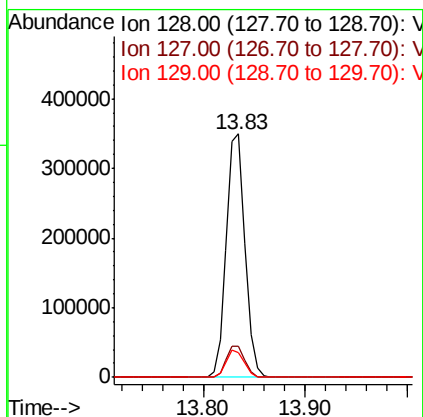
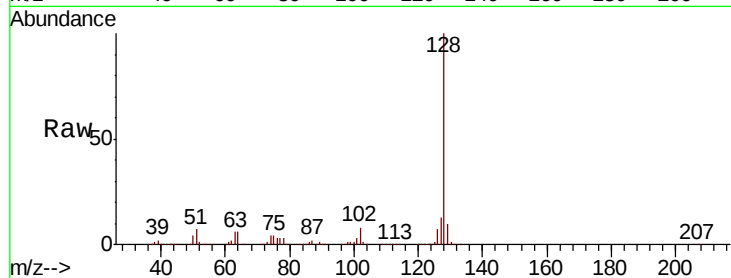




#95
Naphthalene
Concen: 54.325 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX009442.D
Acq: 09 May 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.8	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 52.230 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX009442.D
Acq: 09 May 2019 20:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.8	143.4
145	30.1	15.4	46.4

