

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051719\
 Data File : VX009667.D
 Acq On : 17 May 2019 17:21
 Operator : JC/SP
 Sample : VX0517WBS03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS03

Quant Time: May 18 04:50:59 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	5.67	168	173826	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	278790	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	251321	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	124308	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	118022	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	
35) Dibromofluoromethane	5.50	113	86811	49.53	ug/l	0.00
Spiked Amount			Recovery	=	99.06%	
50) Toluene-d8	8.71	98	345078	48.77	ug/l	0.00
Spiked Amount			Recovery	=	97.54%	
62) 4-Bromofluorobenzene	11.13	95	128809	50.10	ug/l	0.00
Spiked Amount			Recovery	=	100.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	24982	15.596	ug/l	100
3) Chloromethane	1.32	50	39376	18.005	ug/l	97
4) Vinyl Chloride	1.41	62	38205	17.915	ug/l	99
5) Bromomethane	1.64	94	24337	19.014	ug/l	98
6) Chloroethane	1.71	64	25550	18.661	ug/l	98
7) Trichlorofluoromethane	1.92	101	49337	19.033	ug/l	99
8) Diethyl Ether	2.19	74	23427	19.079	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	29850	18.337	ug/l	98
10) Methyl Iodide	2.51	142	33468	20.663	ug/l	98
11) Tert butyl alcohol	3.05	59	57485	104.656	ug/l	100
12) 1,1-Dichloroethene	2.37	96	29458	18.061	ug/l	95
13) Acrolein	2.29	56	47227	94.940	ug/l	98
14) Allyl chloride	2.73	41	72948	18.353	ug/l	98
15) Acrylonitrile	3.14	53	137861	102.650	ug/l	100
16) Acetone	2.45	43	137745	108.106	ug/l	97
17) Carbon Disulfide	2.57	76	74480	16.265	ug/l	100
18) Methyl Acetate	2.78	43	60976	20.123	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	123163	19.446	ug/l	97
20) Methylene Chloride	2.85	84	37844	18.344	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	32189	18.198	ug/l	99
22) Diisopropyl ether	3.86	45	149542	19.564	ug/l	95
23) Vinyl Acetate	3.82	43	661806	101.108	ug/l	99
24) 1,1-Dichloroethane	3.70	63	70960	18.818	ug/l	99
25) 2-Butanone	4.68	43	211880	107.009	ug/l	99
26) 2,2-Dichloropropane	4.59	77	53951	19.222	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	39254	18.593	ug/l	99
28) Bromochloromethane	5.02	49	36448	22.504	ug/l	97
29) Tetrahydrofuran	5.13	42	135910	106.668	ug/l	98
30) Chloroform	5.21	83	66975	19.638	ug/l	97
31) Cyclohexane	5.57	56	64316	18.333	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	54235	19.103	ug/l	99
36) 1,1-Dichloropropene	5.80	75	47138	18.194	ug/l	99
37) Ethyl Acetate	4.84	43	74878	20.743	ug/l	99
38) Carbon Tetrachloride	5.79	117	43935	18.664	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)
39) Methylcyclohexane	7.46	83	58072	18.251	ug/l	97
40) Benzene	6.14	78	150410	18.759	ug/l	98
41) Methacrylonitrile	5.04	41	42928	19.978	ug/l	98
42) 1,2-Dichloroethane	6.20	62	56818	19.754	ug/l	100
43) Isopropyl Acetate	6.45	43	117730	20.389	ug/l	100
44) Trichloroethene	7.21	130	34864	17.986	ug/l	94
45) 1,2-Dichloropropane	7.51	63	44204	19.470	ug/l	99
46) Dibromomethane	7.66	93	24838	18.839	ug/l	98
47) Bromodichloromethane	7.90	83	50740	19.293	ug/l	96
48) Methyl methacrylate	7.77	41	59306	20.703	ug/l	97
49) 1,4-Dioxane	7.74	88	22552	388.193	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	404118	107.078	ug/l	99
52) Toluene	8.79	92	93239	19.130	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	56932	19.174	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	63101	19.200	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	38777	19.501	ug/l	95
56) Ethyl methacrylate	9.18	69	70382	19.829	ug/l	97
57) 1,3-Dichloropropane	9.37	76	68245	19.503	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	155909	82.798	ug/l	99
59) 2-Hexanone	9.49	43	317082	106.974	ug/l	98
60) Dibromochloromethane	9.58	129	37392	19.253	ug/l	100
61) 1,2-Dibromoethane	9.67	107	38920	19.390	ug/l	99
64) Tetrachloroethene	9.34	164	33107	19.204	ug/l	95
65) Chlorobenzene	10.14	112	97045	19.303	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	35648	19.558	ug/l	99
67) Ethyl Benzene	10.25	91	179231	19.371	ug/l	99
68) m/p-Xylenes	10.36	106	131193	38.801	ug/l	98
69) o-Xylene	10.69	106	64832	19.434	ug/l	99
70) Styrene	10.71	104	113098	19.505	ug/l	99
71) Bromoform	10.85	173	28045	18.934	ug/l #	98
73) Isopropylbenzene	11.02	105	173415	19.184	ug/l	100
74) N-amyl acetate	10.90	43	104992	19.922	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	66830	19.832	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	77040	26.718	ug/l	82
77) Bromobenzene	11.26	156	42840	19.094	ug/l	99
78) n-propylbenzene	11.36	91	198240	19.203	ug/l	99
79) 2-Chlorotoluene	11.42	91	121465	19.071	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	146592	19.260	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	20882	18.529	ug/l	92
82) 4-Chlorotoluene	11.51	91	136081	18.912	ug/l	100
83) tert-Butylbenzene	11.77	119	141017	19.045	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	147770	19.342	ug/l	100
85) sec-Butylbenzene	11.94	105	169192	19.274	ug/l	100
86) p-Isopropyltoluene	12.06	119	152821	19.365	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	76166	19.043	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	75387	18.695	ug/l	98
89) n-Butylbenzene	12.38	91	137214	19.237	ug/l	99
90) Hexachloroethane	12.60	117	24499	18.222	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	77957	19.136	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14748	19.509	ug/l	99

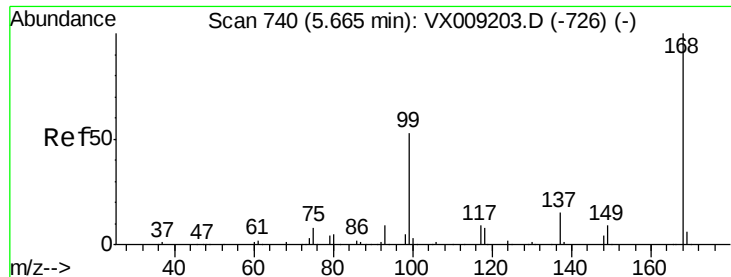
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051719\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	54812	19.675	ug/l	98
94) Hexachlorobutadiene	13.78	225	27749	19.505	ug/l	97
95) Naphthalene	13.83	128	175178	19.328	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	55104	19.513	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

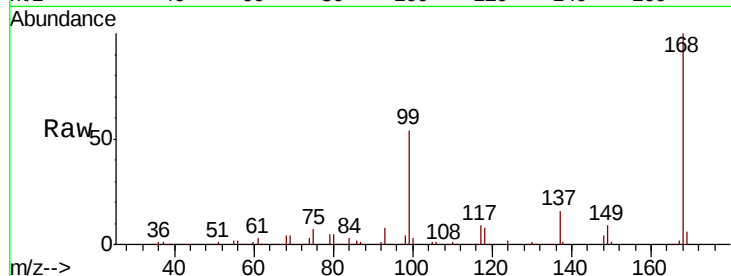
VX0517WBS03

Tot Ion:168 Resp: 173826

Ion Ratio Lower Upper

168 100

99 54.0 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

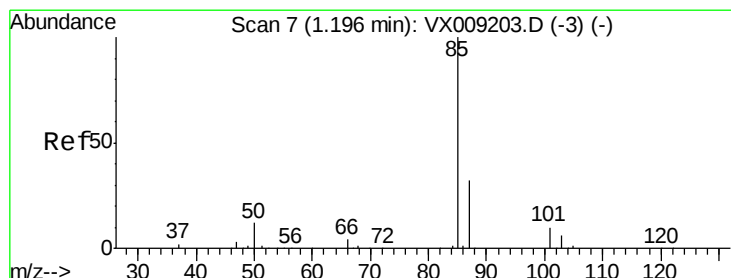
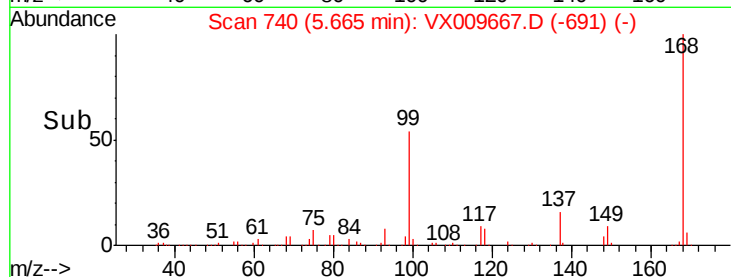
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 15.596 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009667.D

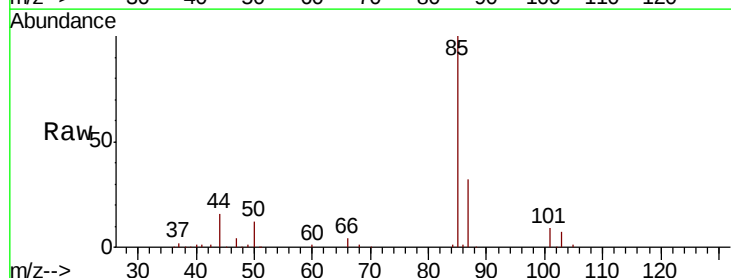
Acq: 17 May 2019 17:21

Tgt Ion: 85 Resp: 24982

Ion Ratio Lower Upper

85 100

87 32.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

25000

20000

15000

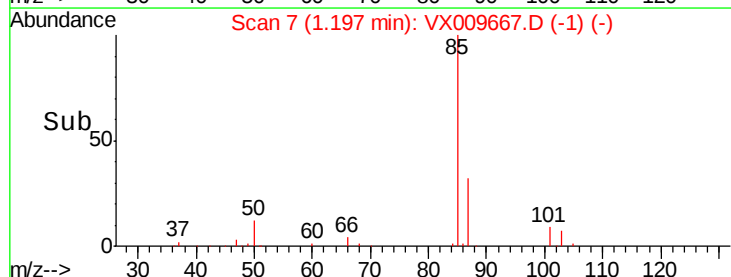
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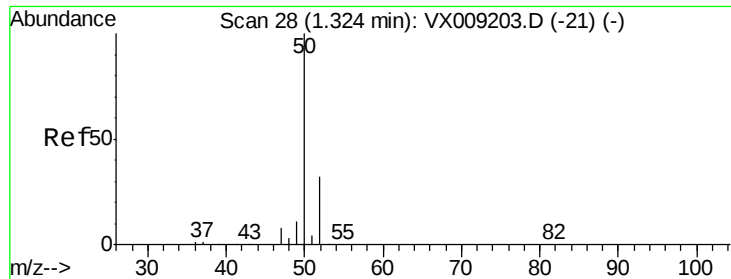
5000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 18.005 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

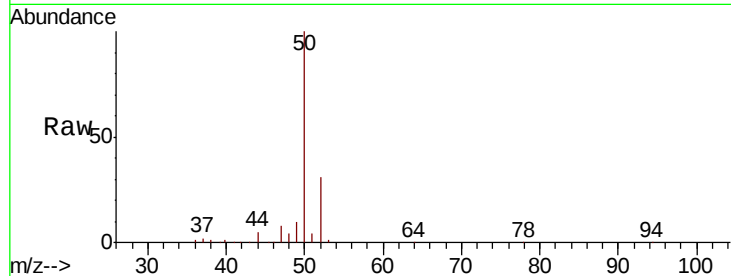
VX0517WBS03

Tot Ion: 50 Resp: 39376

Ion Ratio Lower Upper

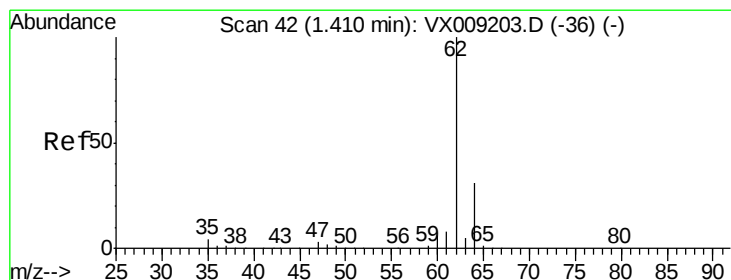
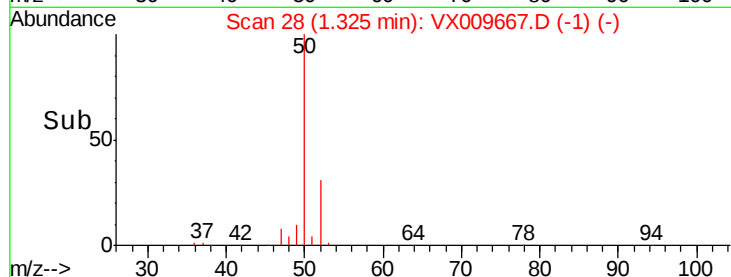
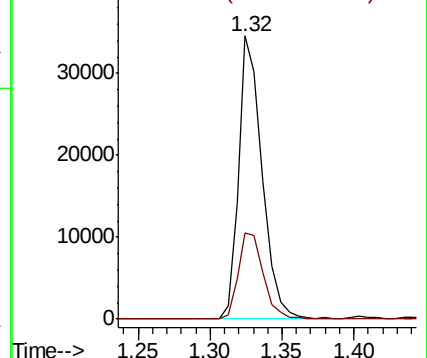
50 100

52 30.6 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: 17.915 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009667.D

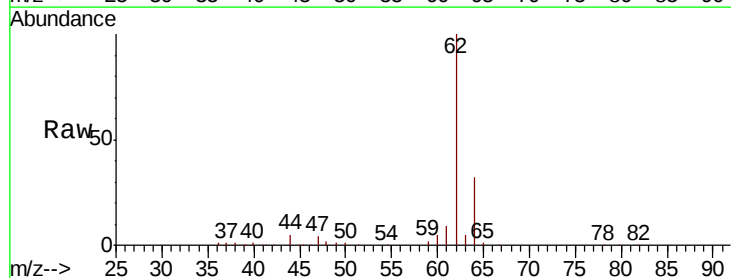
Acq: 17 May 2019 17:21

Tgt Ion: 62 Resp: 38205

Ion Ratio Lower Upper

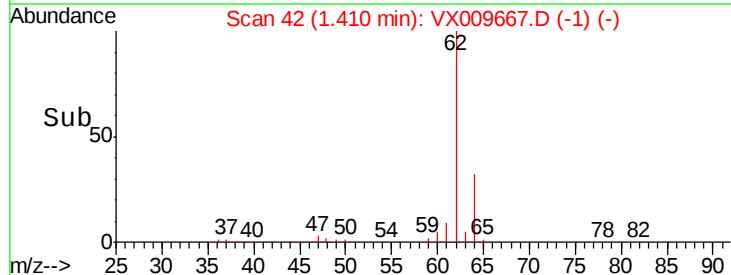
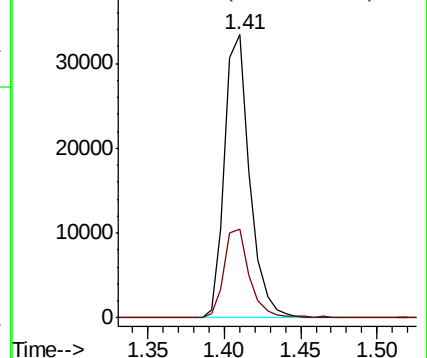
62 100

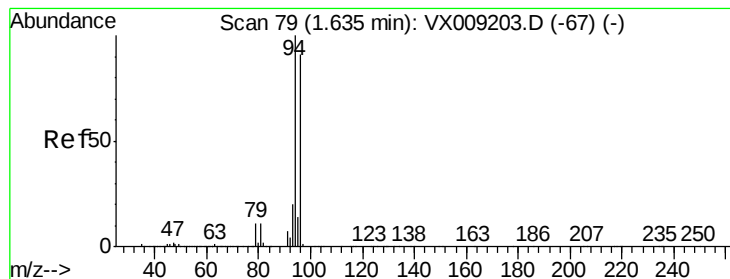
64 31.4 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 19.014 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

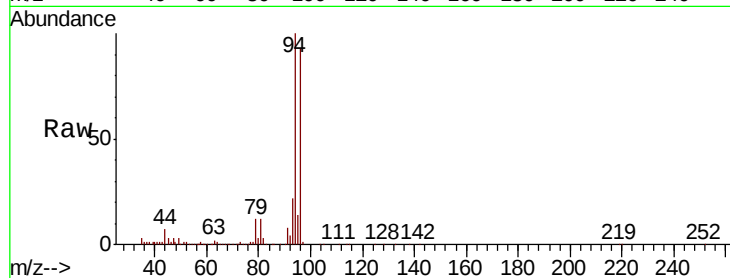
VX0517WBS03

Tot Ion: 94 Resp: 24337

Ion Ratio Lower Upper

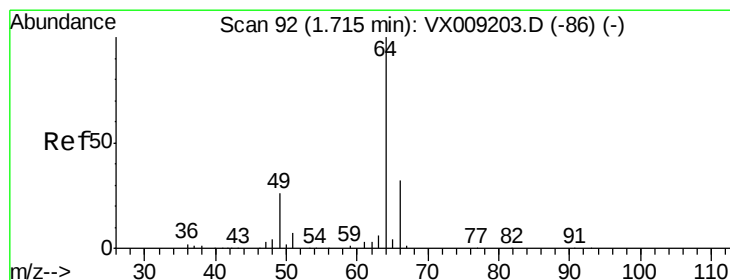
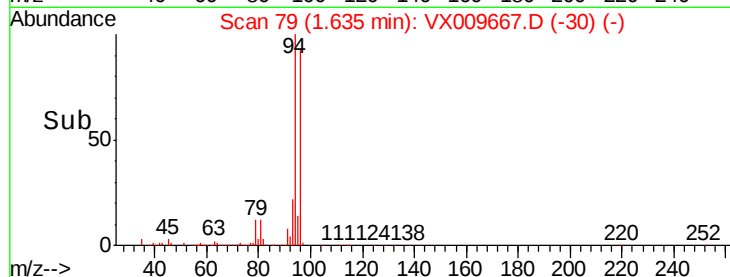
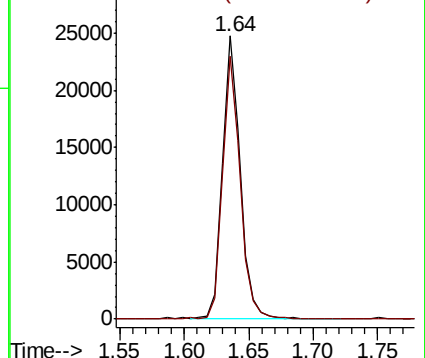
94 100

96 92.7 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: 18.661 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX009667.D

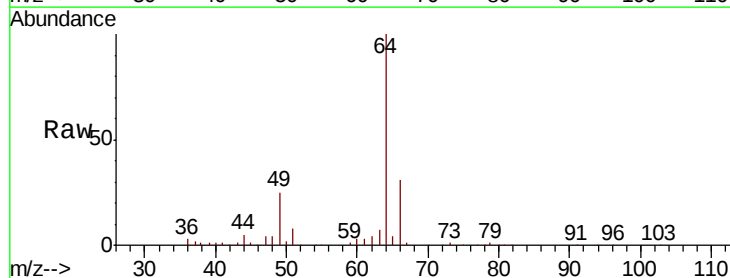
Acq: 17 May 2019 17:21

Tgt Ion: 64 Resp: 25550

Ion Ratio Lower Upper

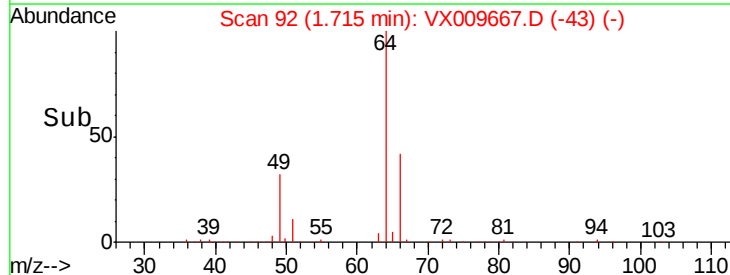
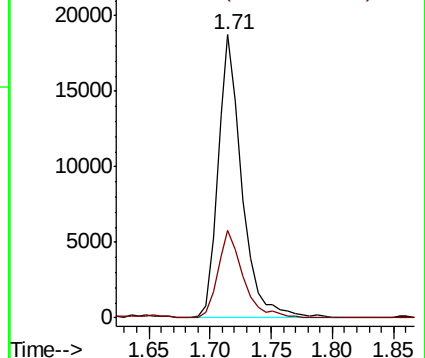
64 100

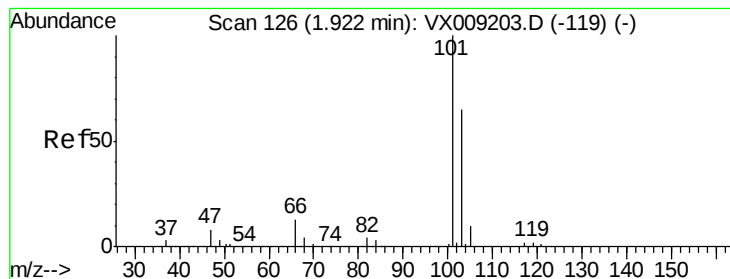
66 30.5 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



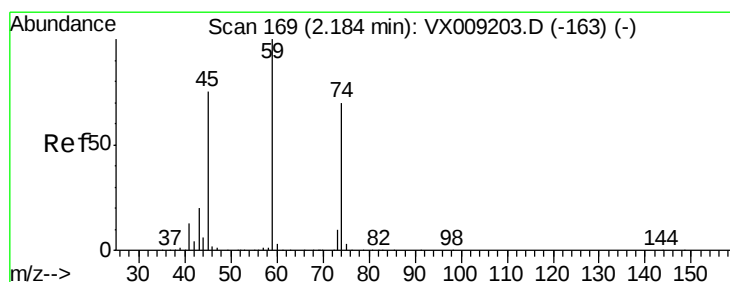
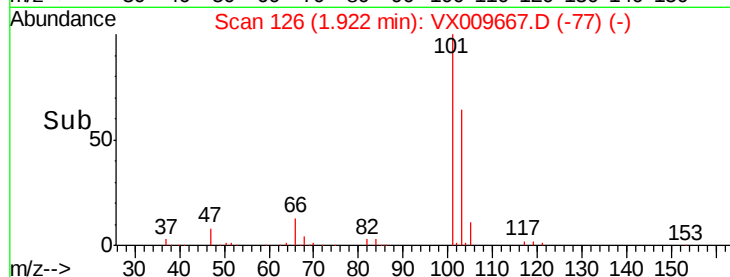
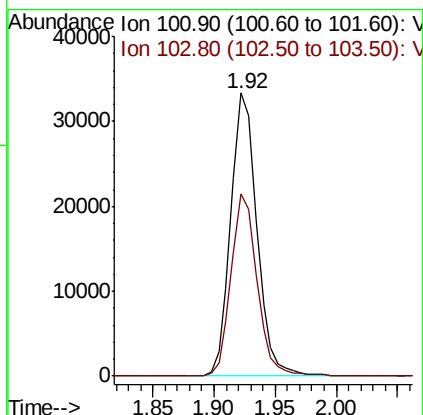
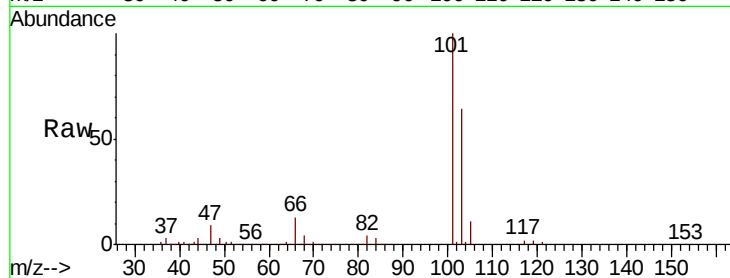


#7

Trichlorofluoromethane
 Concen: 19.033 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX009667.D
 Acq: 17 May 2019 17:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS03

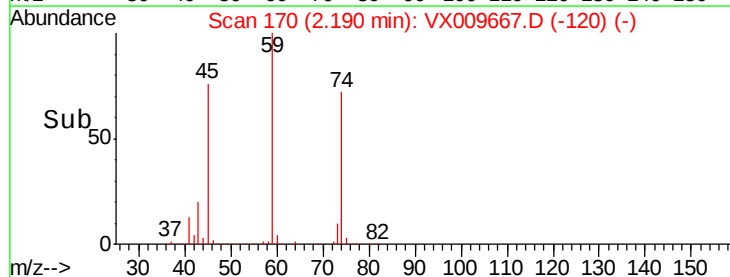
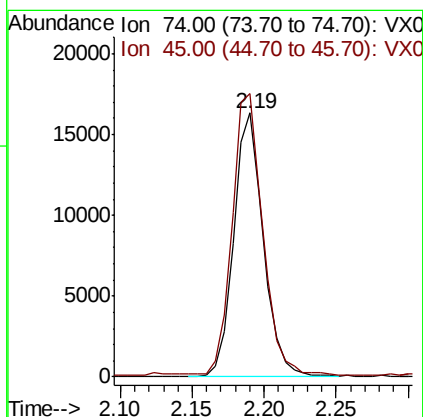
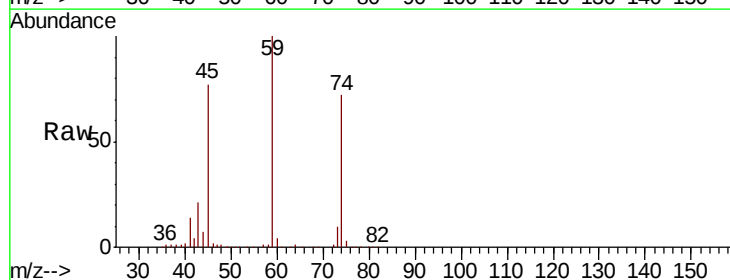
Tot Ion:101 Resp: 49337
 Ion Ratio Lower Upper
 101 100
 103 64.3 52.4 78.6



#8

Diethyl Ether
 Concen: 19.079 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009667.D
 Acq: 17 May 2019 17:21

Tgt Ion: 74 Resp: 23427
 Ion Ratio Lower Upper
 74 100
 45 110.3 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.337 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS03

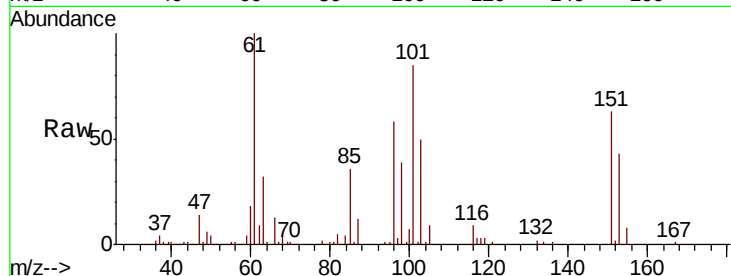
Tot Ion:101 Resp: 29850

Ion Ratio Lower Upper

101 100

85 46.8 35.7 53.5

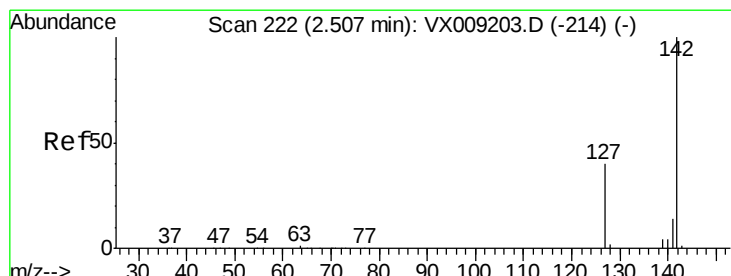
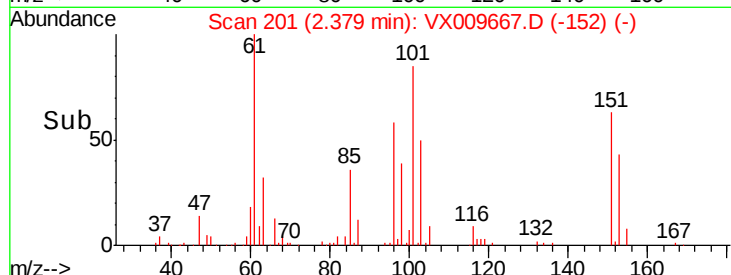
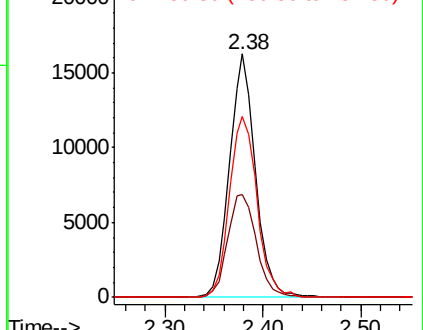
151 79.4 62.2 93.2



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: 20.663 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

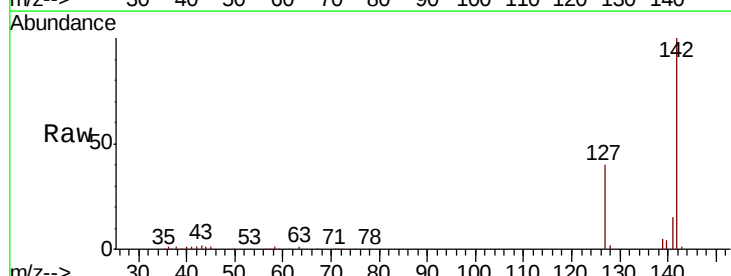
Tgt Ion:142 Resp: 33468

Ion Ratio Lower Upper

142 100

127 42.1 32.7 49.1

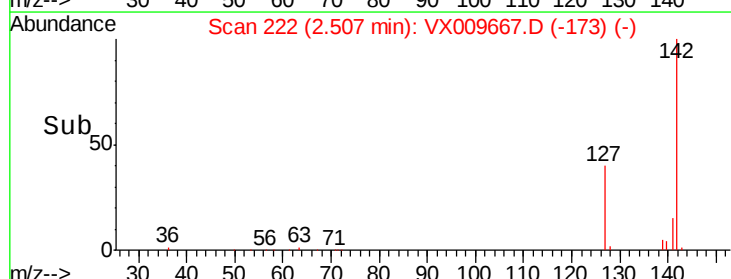
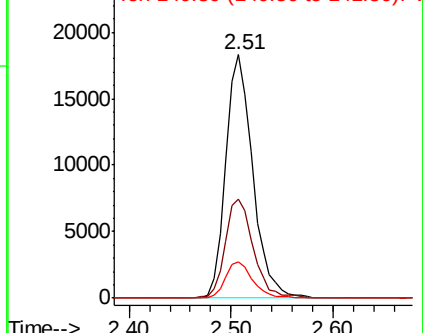
141 15.1 11.5 17.3

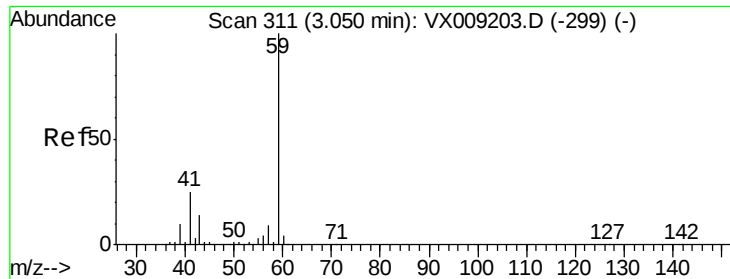


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

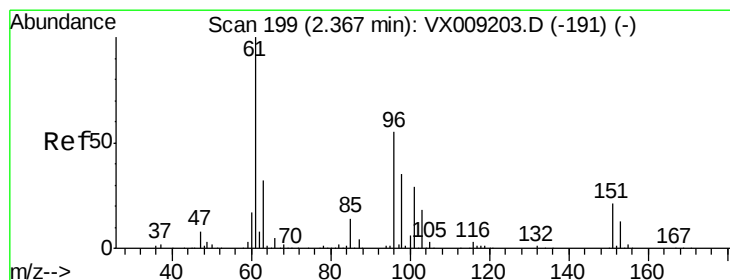
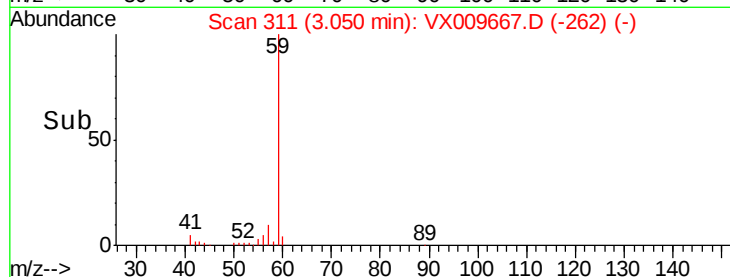
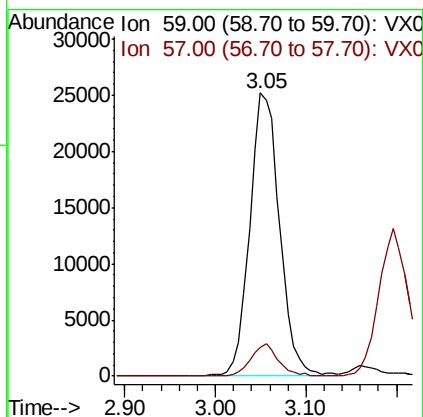
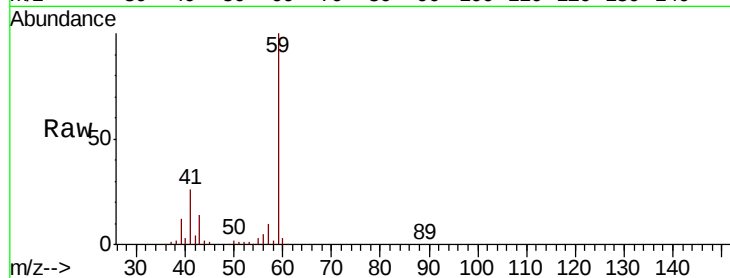




#11
Tert butyl alcohol
Concen: 104.656 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

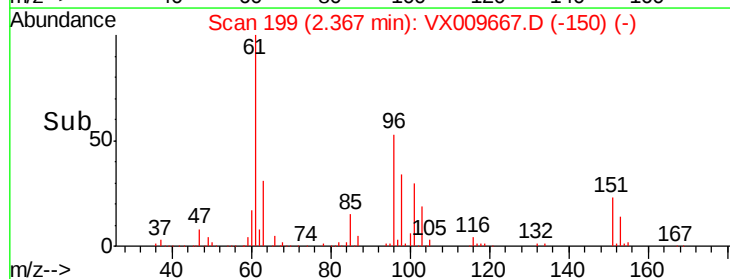
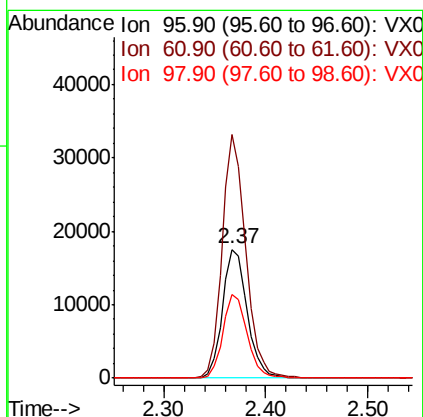
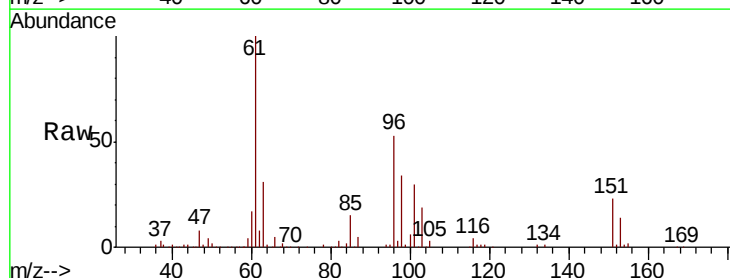
Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS03

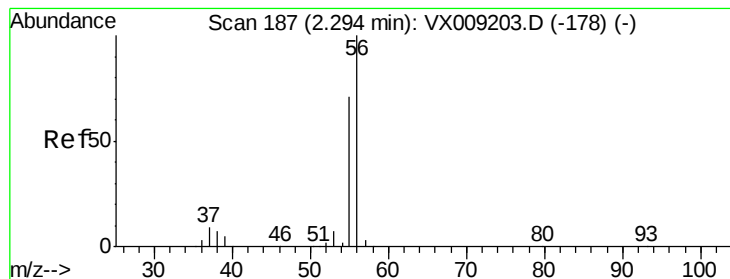
Tot Ion: 59 Resp: 57485
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.2



#12
1,1-Dichloroethene
Concen: 18.061 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Tgt Ion: 96 Resp: 29458
Ion Ratio Lower Upper
96 100
61 189.3 144.3 216.5
98 64.6 50.3 75.5





#13

Acrolein

Concen: 94.940 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

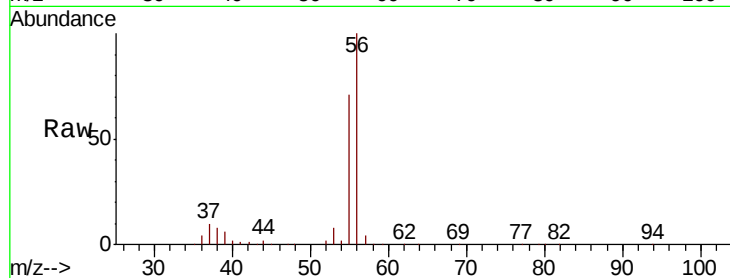
VX0517WBS03

Tot Ion: 56 Resp: 47227

Ion Ratio Lower Upper

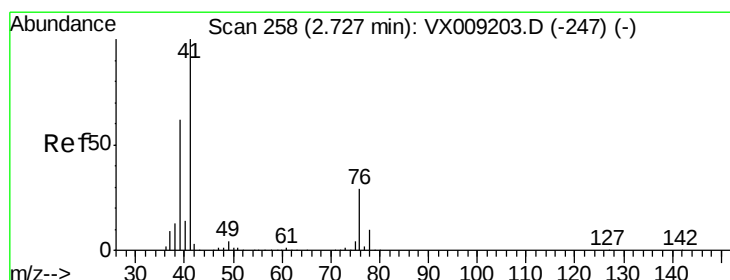
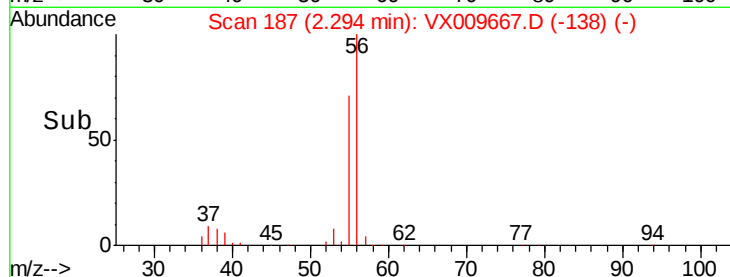
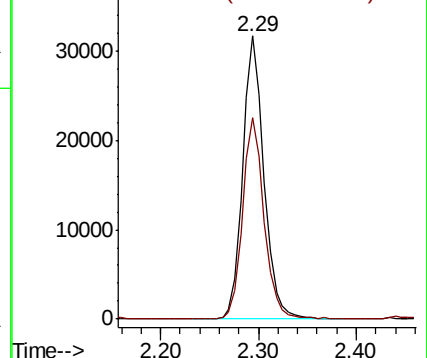
56 100

55 72.8 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 18.353 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

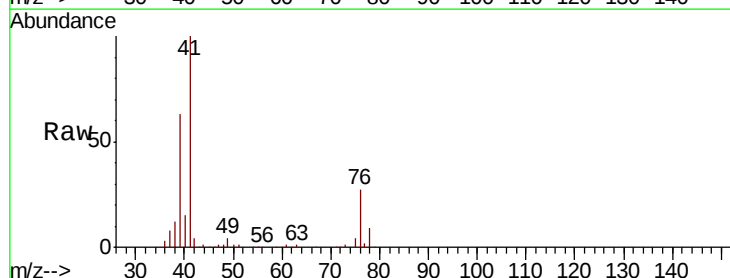
Tgt Ion: 41 Resp: 72948

Ion Ratio Lower Upper

41 100

39 60.1 46.7 70.1

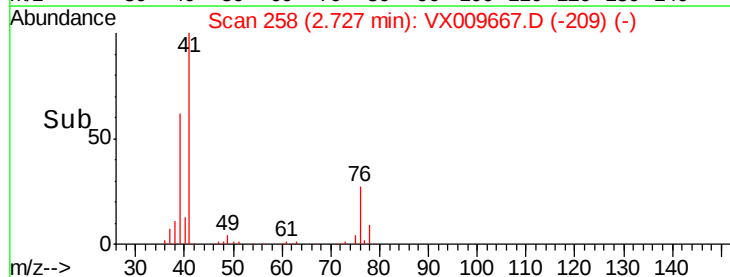
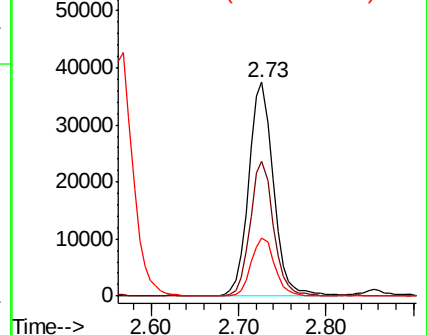
76 26.1 21.8 32.8



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 102.650 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS03

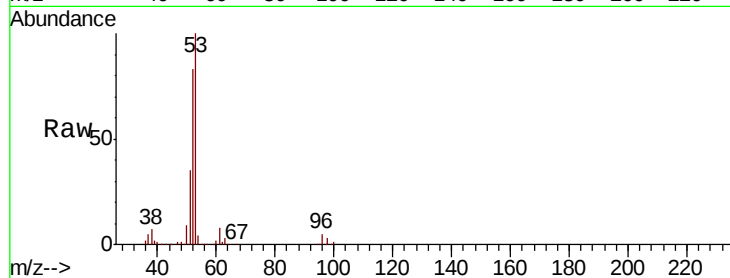
Tot Ion: 53 Resp: 137861

Ion Ratio Lower Upper

53 100

52 83.4 66.9 100.3

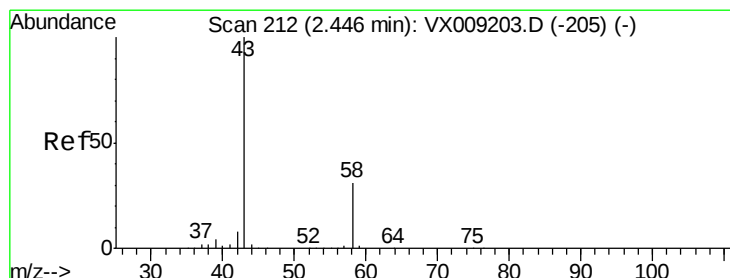
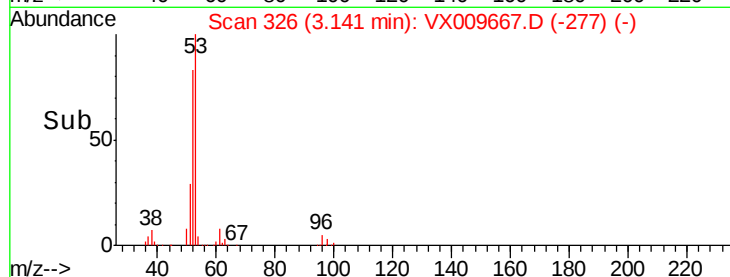
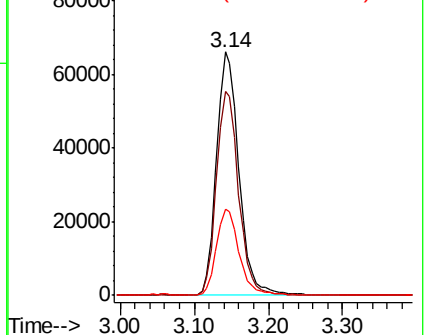
51 35.7 28.2 42.2



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: 108.106 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009667.D

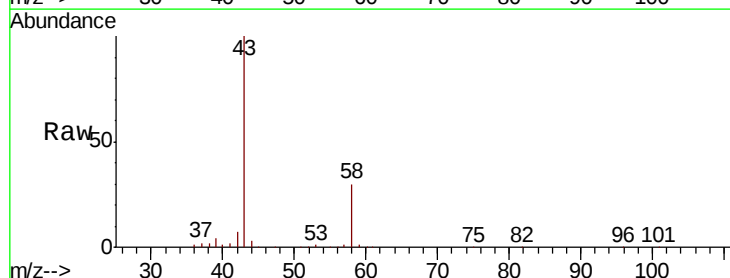
Acq: 17 May 2019 17:21

Tgt Ion: 43 Resp: 137745

Ion Ratio Lower Upper

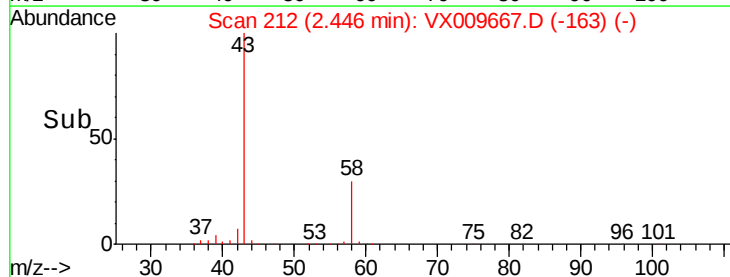
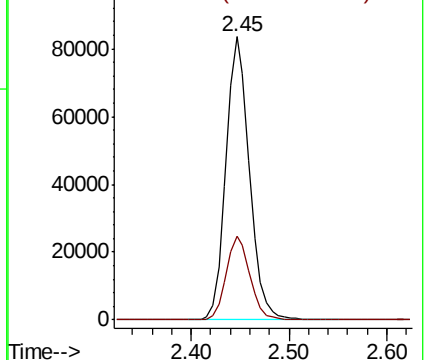
43 100

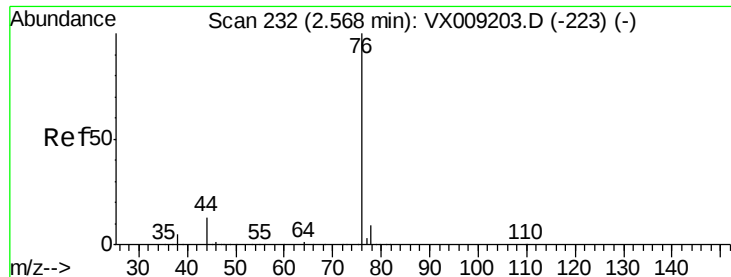
58 29.7 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

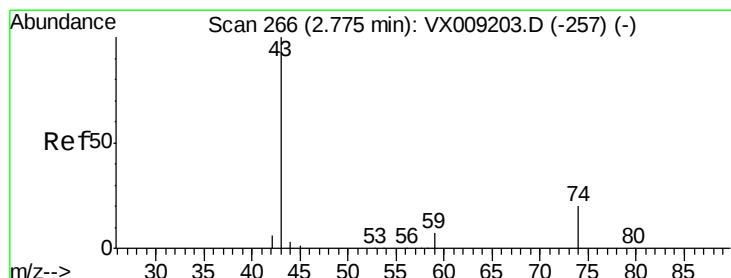
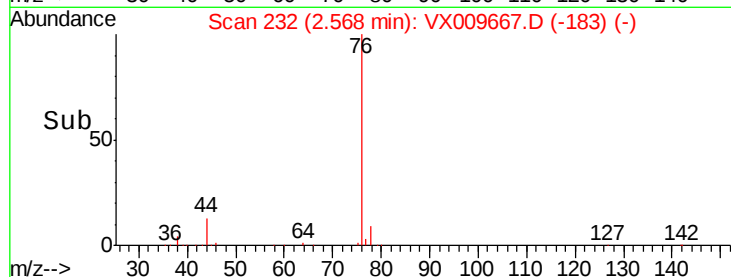
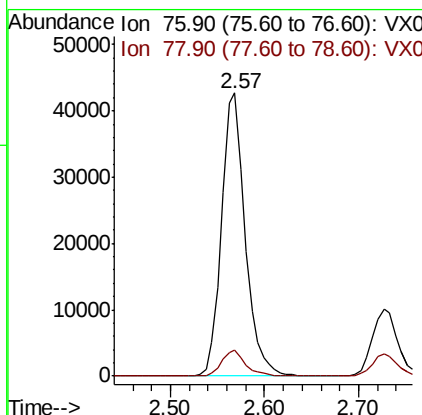
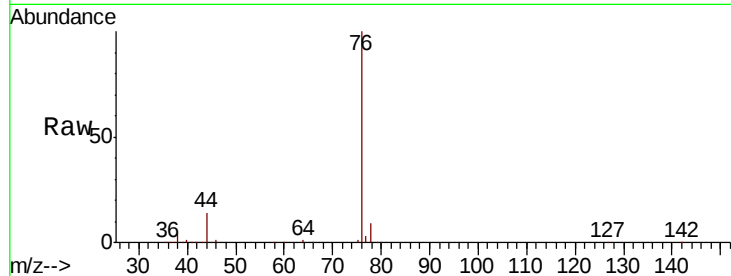




#17
Carbon Disulfide
Concen: 16.265 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

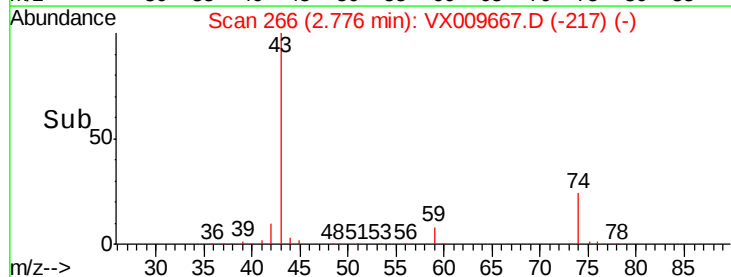
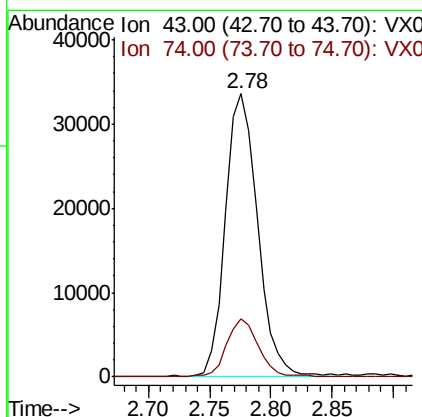
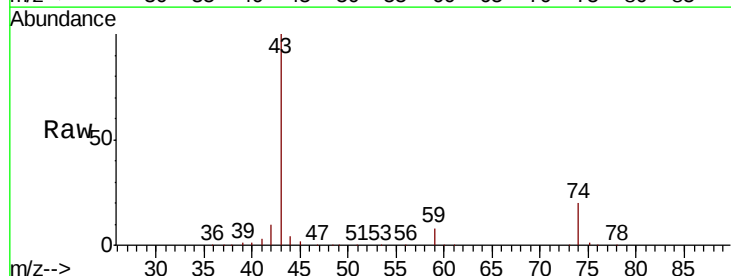
Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS03

Tot Ion: 76 Resp: 74480
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0



#18
Methyl Acetate
Concen: 20.123 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Tgt Ion: 43 Resp: 60976
Ion Ratio Lower Upper
43 100
74 20.6 16.2 24.4

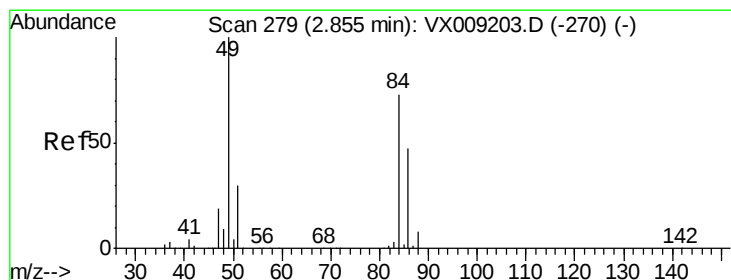
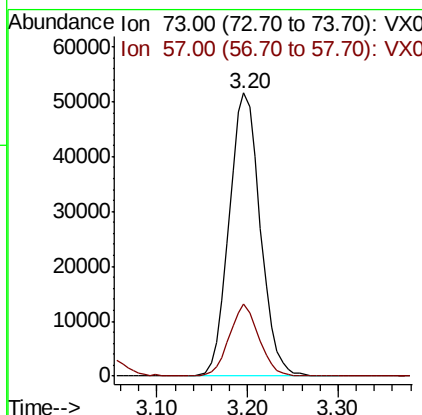
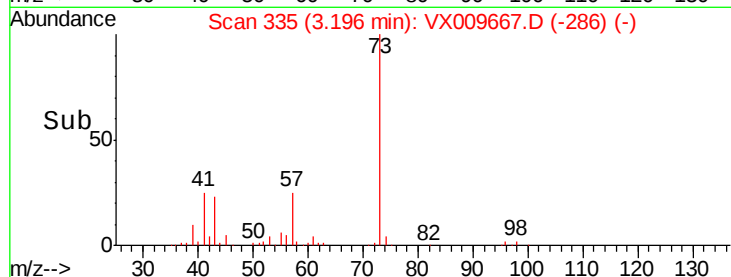
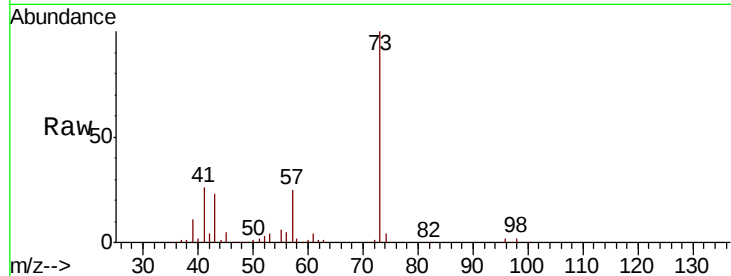




#19
Methyl tert-butyl Ether
Concen: 19.446 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

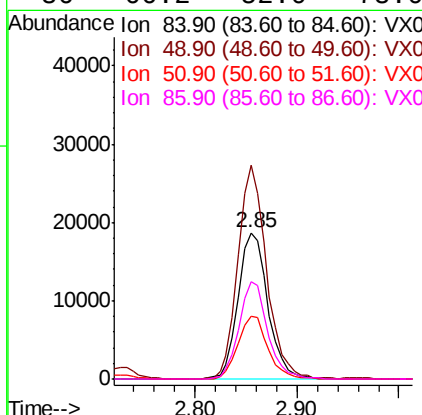
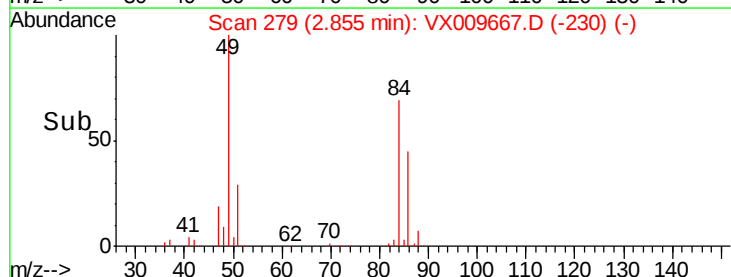
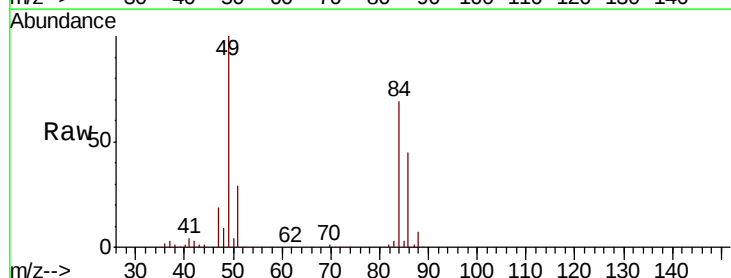
Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS03

Tot Ion: 73 Resp: 123163
Ion Ratio Lower Upper
73 100
57 25.4 19.3 28.9



#20
Methylene Chloride
Concen: 18.344 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Tgt Ion: 84 Resp: 37844
Ion Ratio Lower Upper
84 100
49 145.5 109.9 164.9
51 42.7 32.7 49.1
86 66.2 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 18.198 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS03

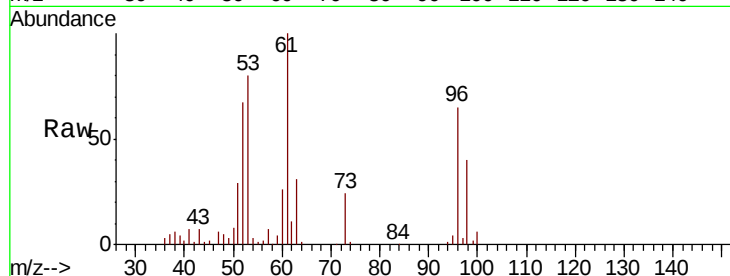
Tot Ion: 96 Resp: 32189

Ion Ratio Lower Upper

96 100

61 154.2 124.5 186.7

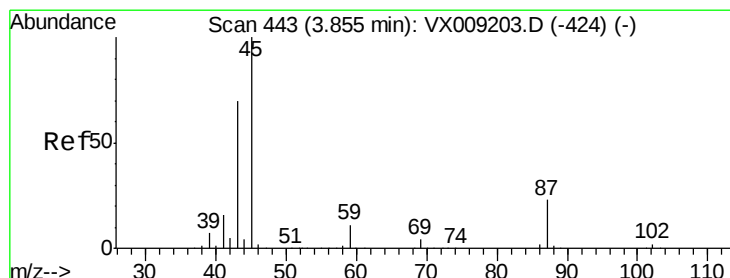
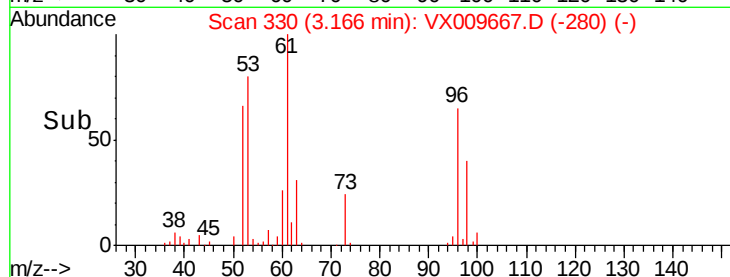
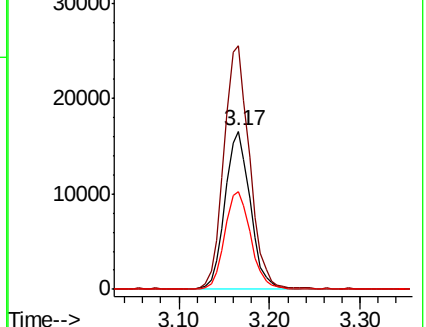
98 61.6 50.4 75.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 19.564 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Tgt Ion: 45 Resp: 149542

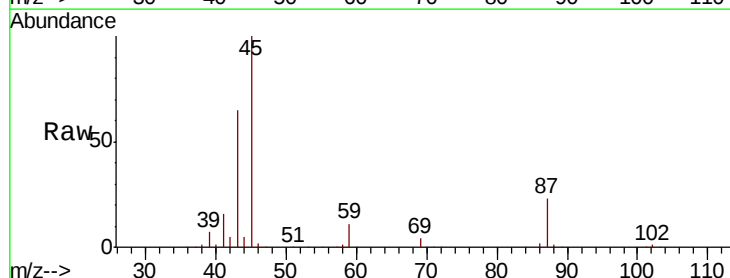
Ion Ratio Lower Upper

45 100

43 64.4 56.1 84.1

87 23.0 18.1 27.1

59 10.7 8.5 12.7

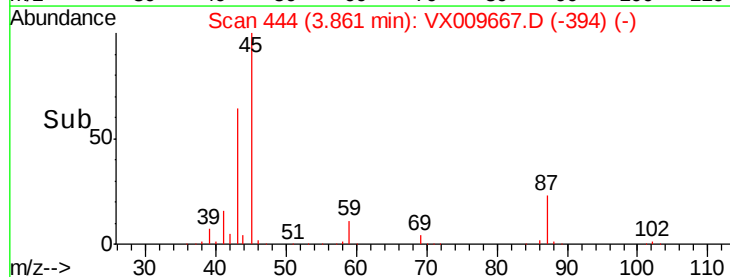
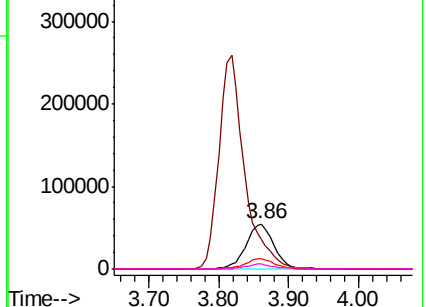


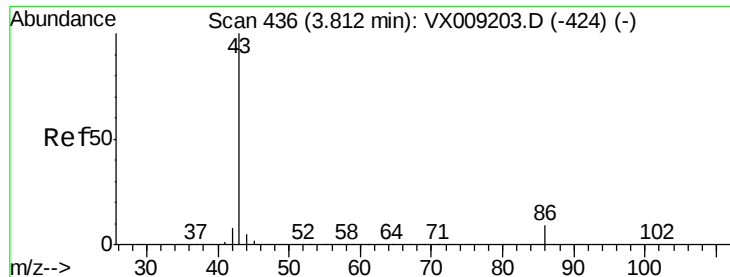
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 101.108 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

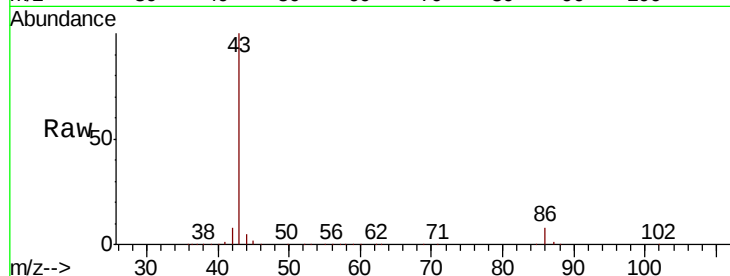
VX0517WBS03

Tot Ion: 43 Resp: 661806

Ion Ratio Lower Upper

43 100

86 8.2 6.9 10.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

300000

250000

200000

150000

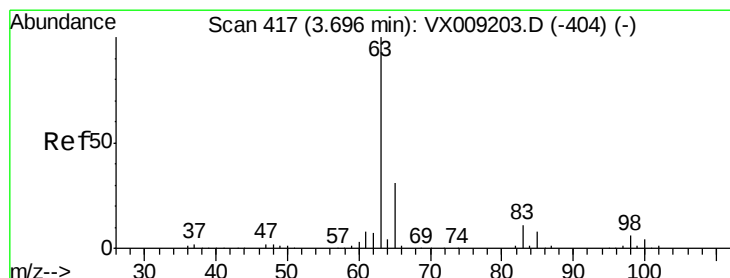
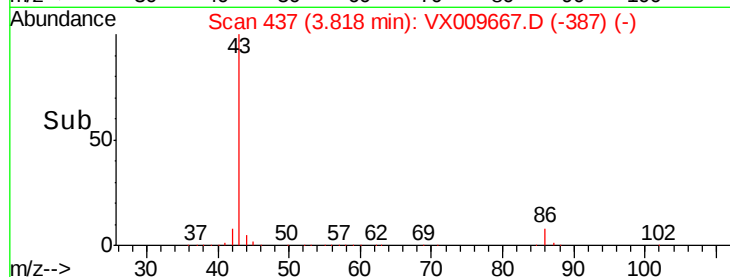
100000

50000

0

3.70 3.80 3.90 4.00 4.10

Time-->



#24

1,1-Dichloroethane

Concen: 18.818 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

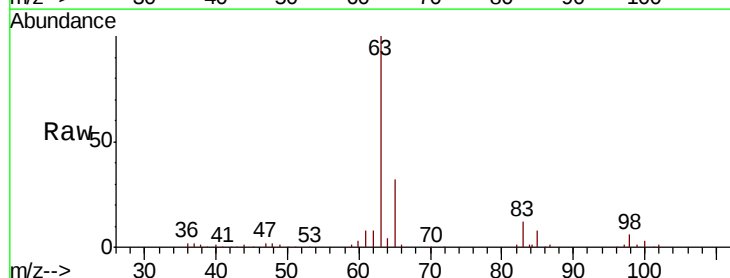
Tgt Ion: 63 Resp: 70960

Ion Ratio Lower Upper

63 100

98 5.7 3.0 9.2

100 3.4 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

40000

30000

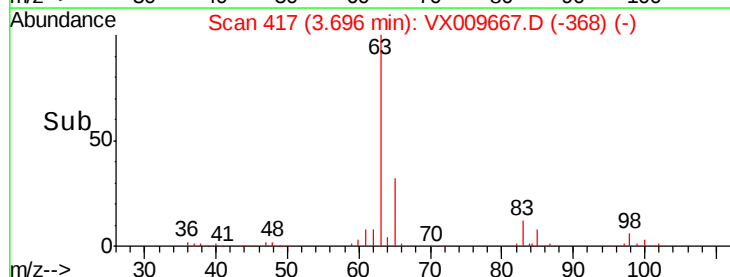
20000

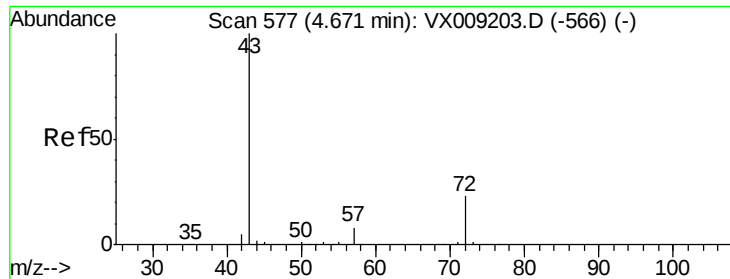
10000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 107.009 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

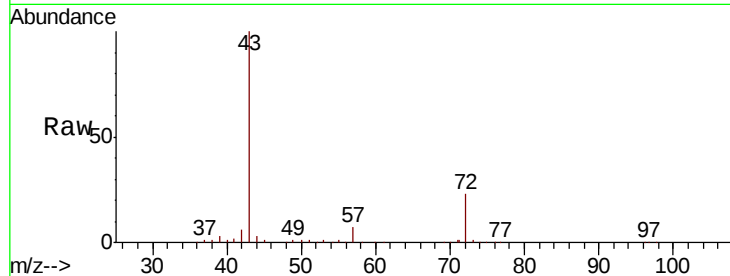
VX0517WBS03

Tot Ion: 43 Resp: 211880

Ion Ratio Lower Upper

43 100

72 23.1 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

80000

60000

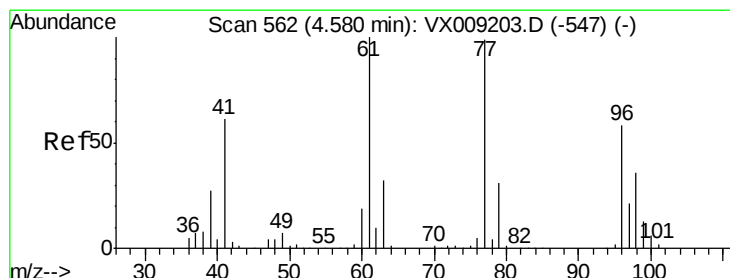
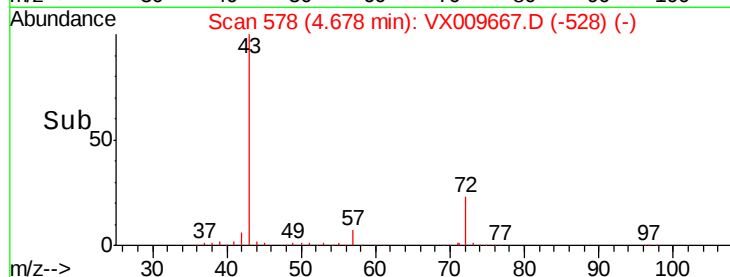
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 19.222 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009667.D

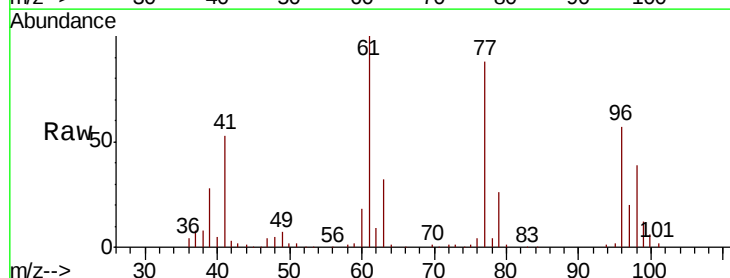
Acq: 17 May 2019 17:21

Tgt Ion: 77 Resp: 53951

Ion Ratio Lower Upper

77 100

97 23.0 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

20000

15000

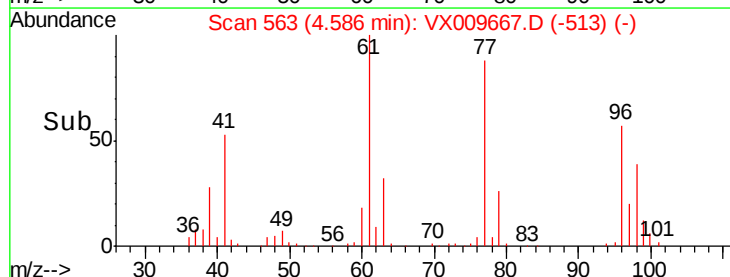
10000

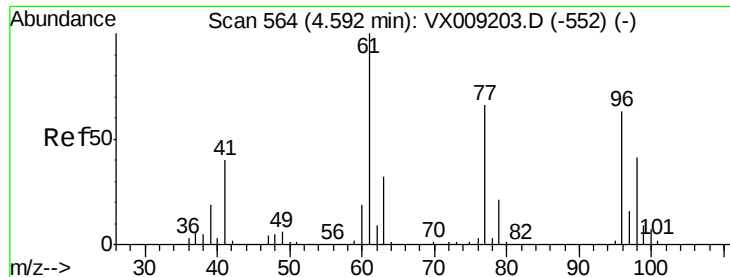
5000

0

4.40 4.50 4.60 4.70

Time-->



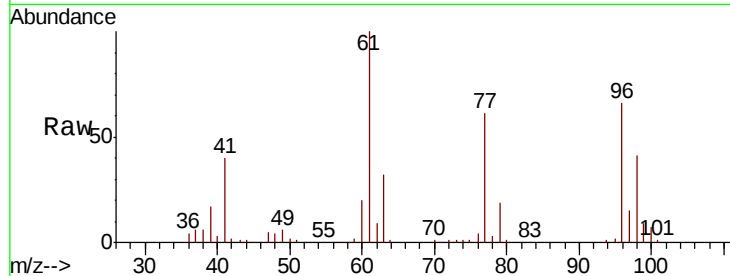


#27

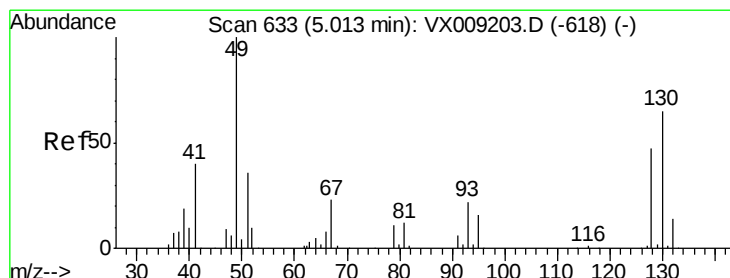
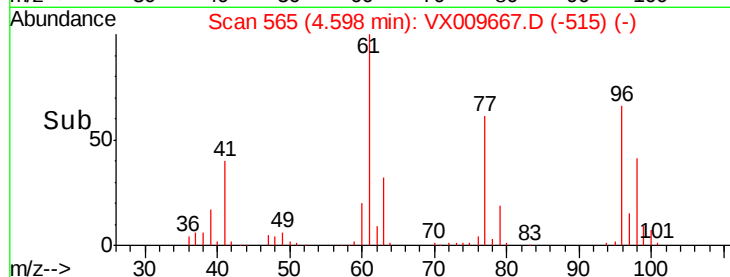
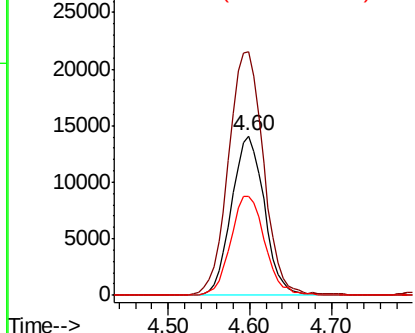
cis-1,2-Dichloroethene
Concen: 18.593 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS03

Tot Ion: 96 Resp: 39254
Ion Ratio Lower Upper
96 100
61 163.9 0.0 324.0
98 64.6 0.0 130.4



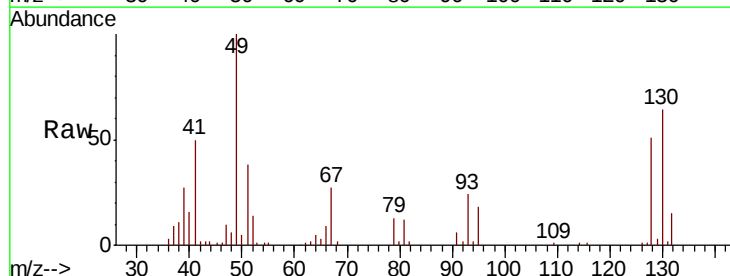
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



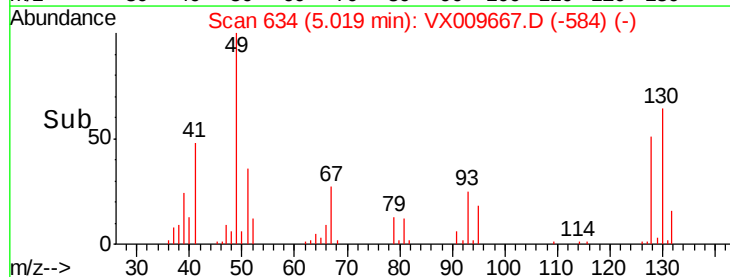
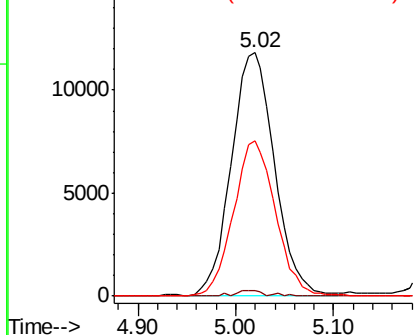
#28

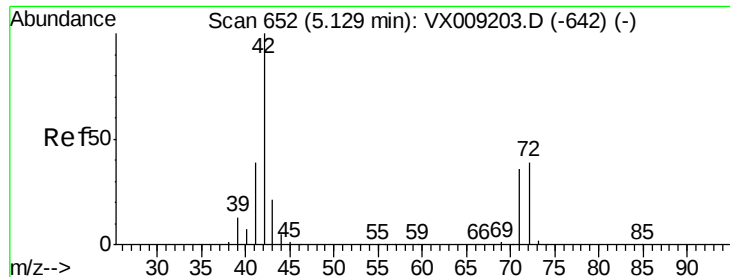
Bromochloromethane
Concen: 22.504 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Tgt Ion: 49 Resp: 36448
Ion Ratio Lower Upper
49 100
129 1.3 0.0 3.8
130 61.8 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

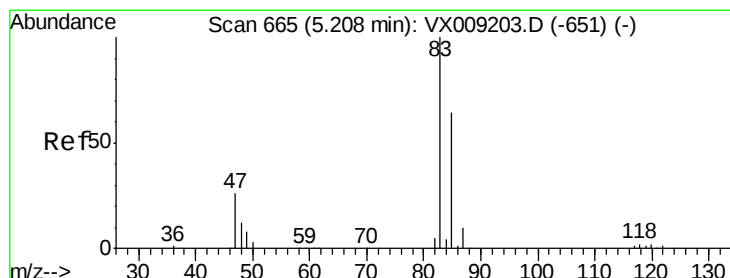
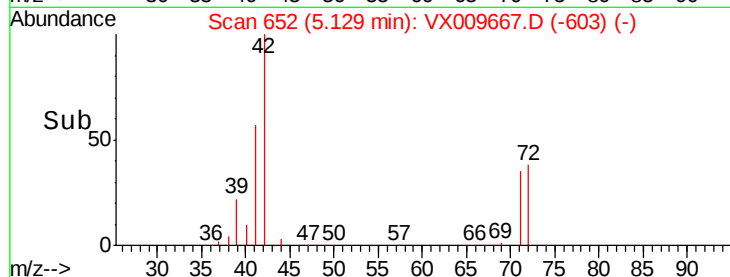
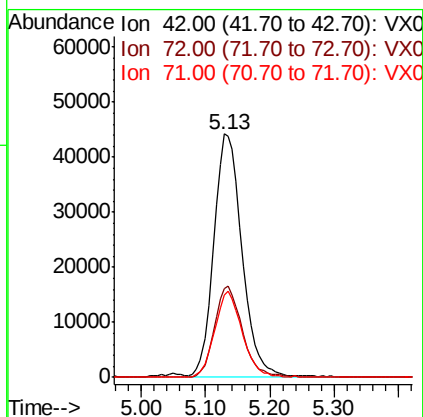
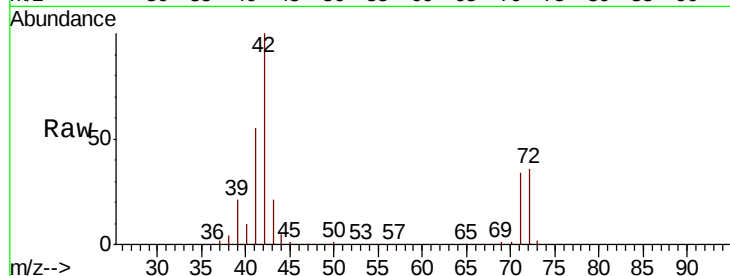




#29
Tetrahydrofuran
Concen: 106.668 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

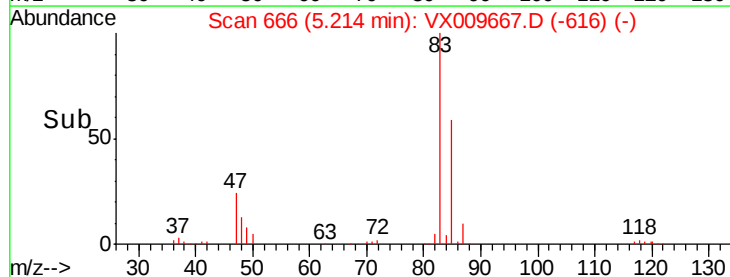
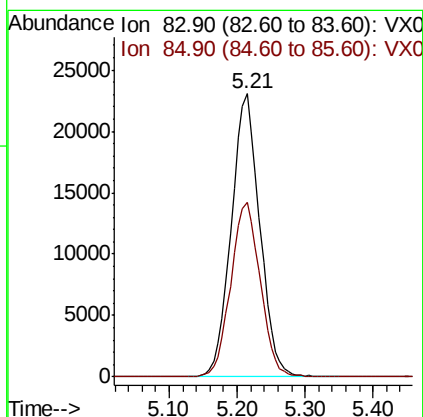
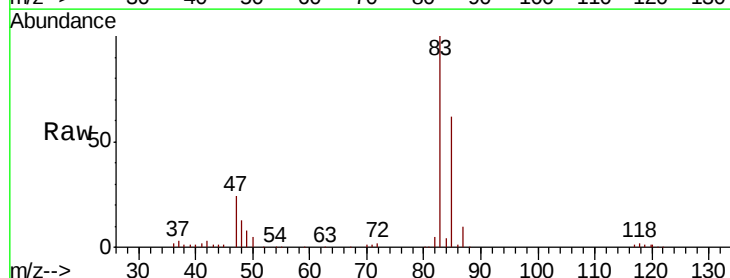
Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS03

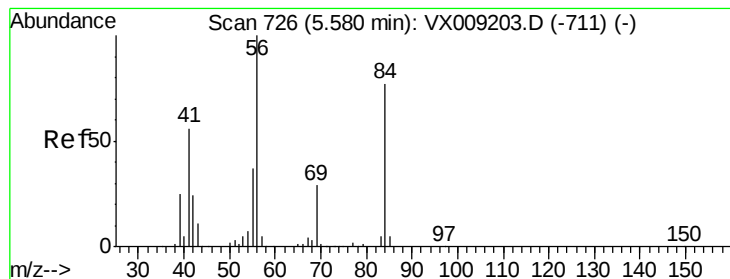
Tot Ion: 42 Resp: 135910
Ion Ratio Lower Upper
42 100
72 37.1 30.4 45.6
71 34.4 28.6 43.0



#30
Chloroform
Concen: 19.638 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Tgt Ion: 83 Resp: 66975
Ion Ratio Lower Upper
83 100
85 61.8 51.5 77.3





#31

Cyclohexane

Concen: 18.333 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS03

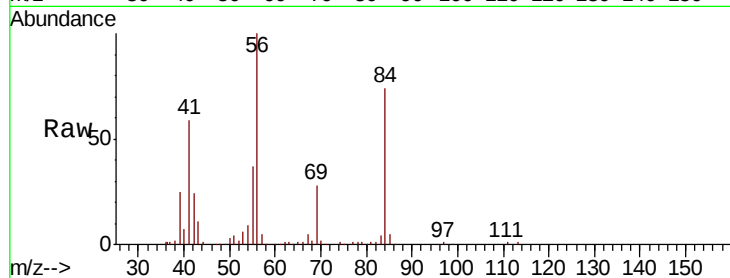
Tot Ion: 56 Resp: 64316

Ion Ratio Lower Upper

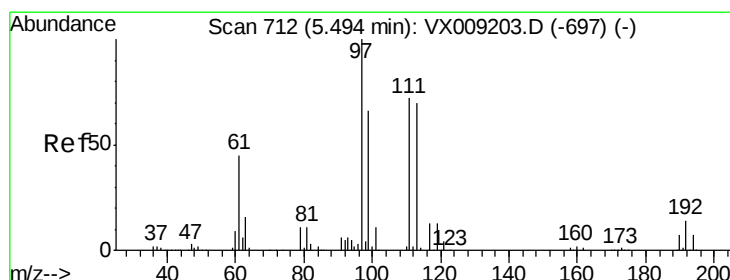
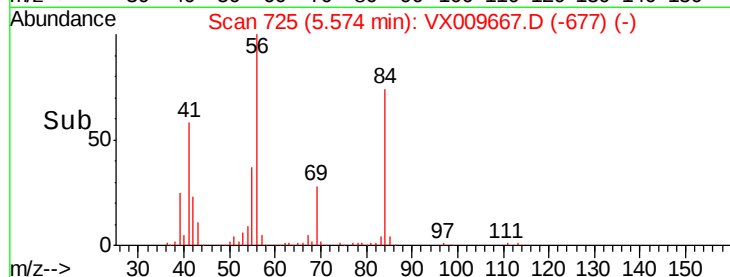
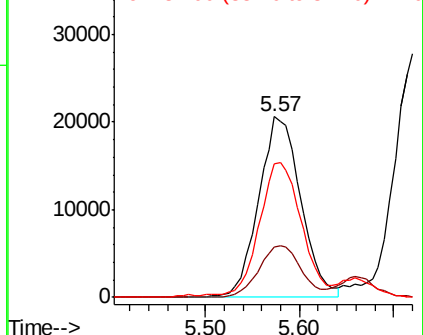
56 100

69 28.0 23.4 35.0

84 72.6 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: 19.103 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

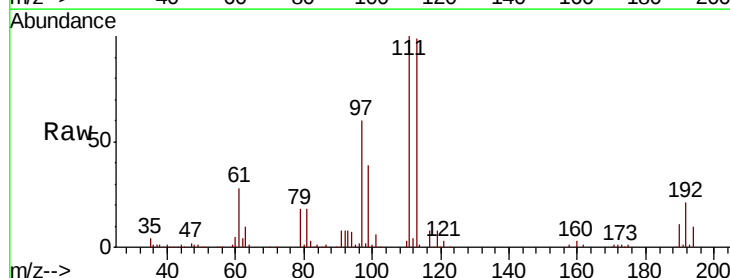
Tgt Ion: 97 Resp: 54235

Ion Ratio Lower Upper

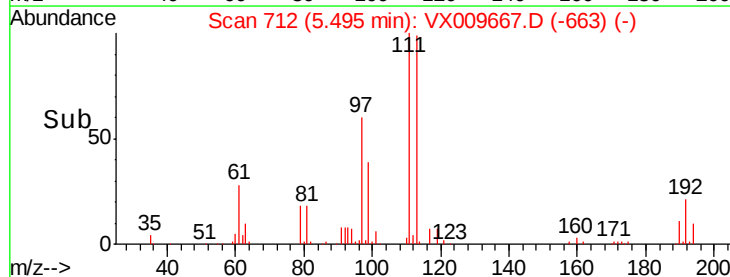
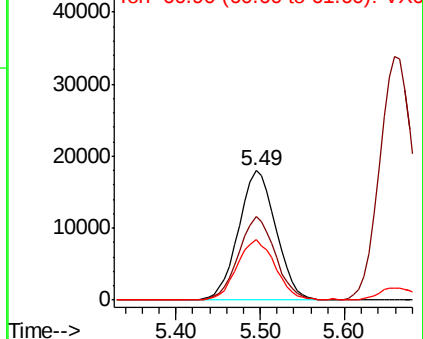
97 100

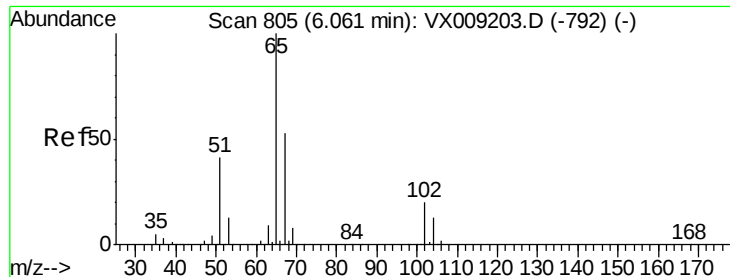
99 63.2 51.8 77.8

61 47.7 37.8 56.8



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





#33

1,2-Dichloroethane-d4

Concen: 49.737 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

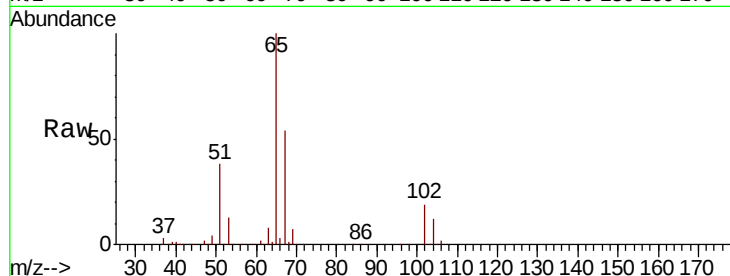
VX0517WBS03

Tot Ion: 65 Resp: 118022

Ion Ratio Lower Upper

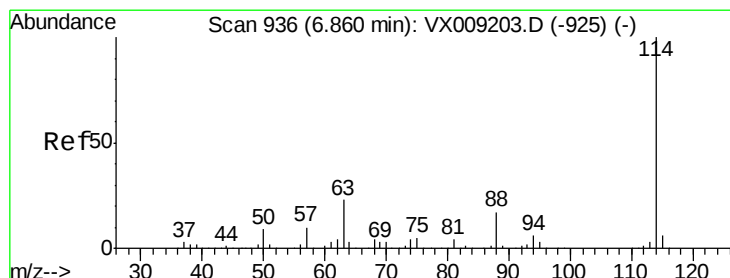
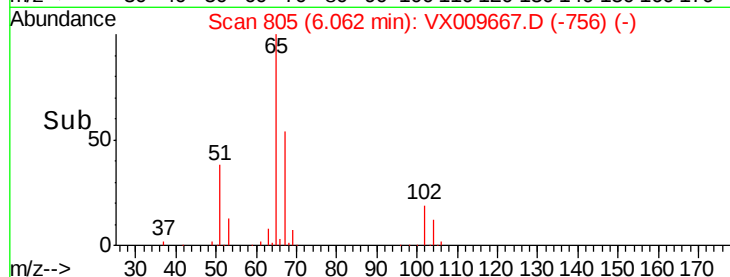
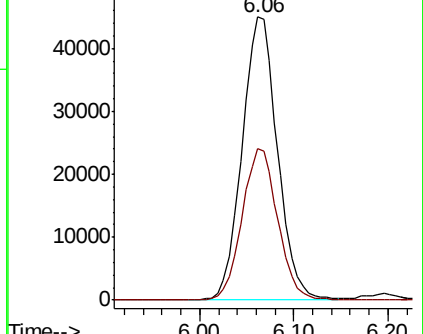
65 100

67 54.2 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: VX009667.D

Acq: 17 May 2019 17:21

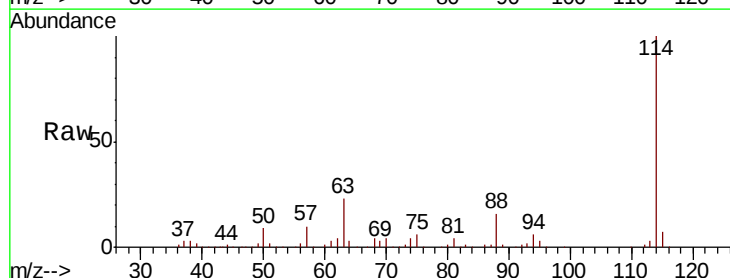
Tgt Ion: 114 Resp: 278790

Ion Ratio Lower Upper

114 100

63 22.9 0.0 45.6

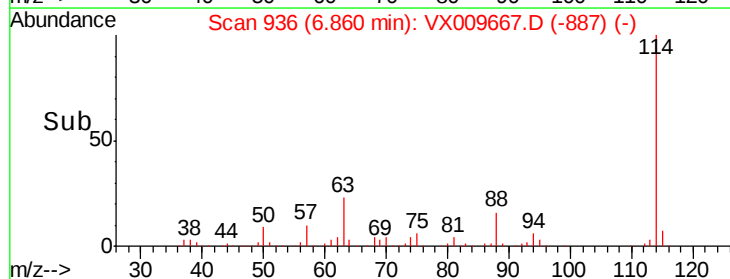
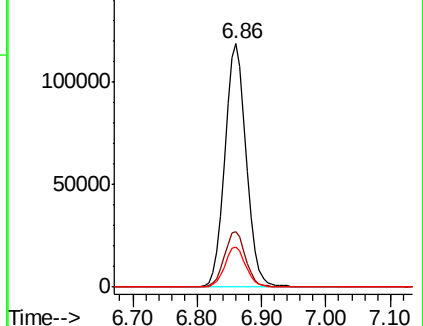
88 16.4 0.0 33.2

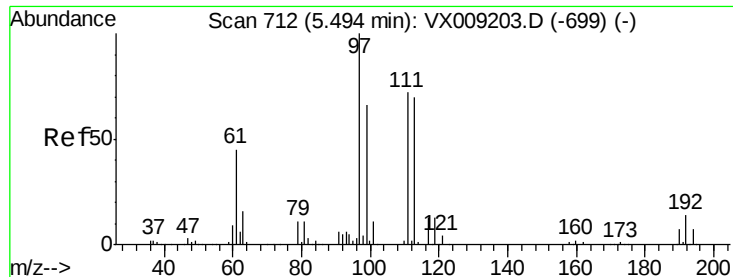


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

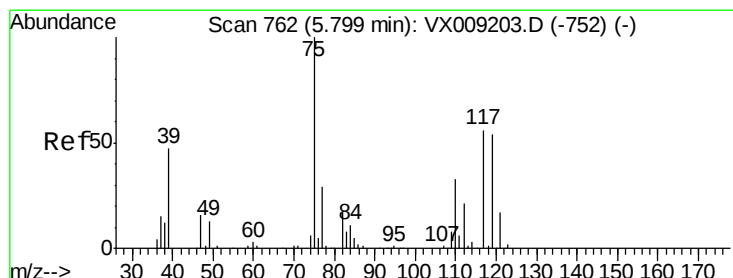
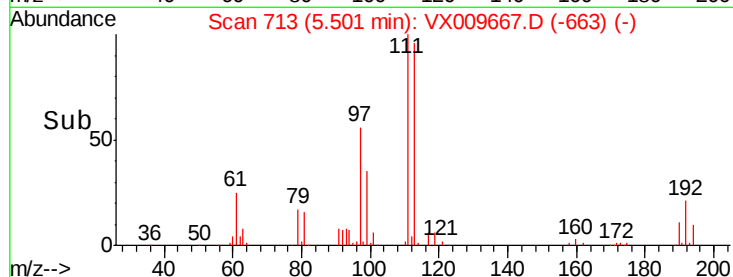
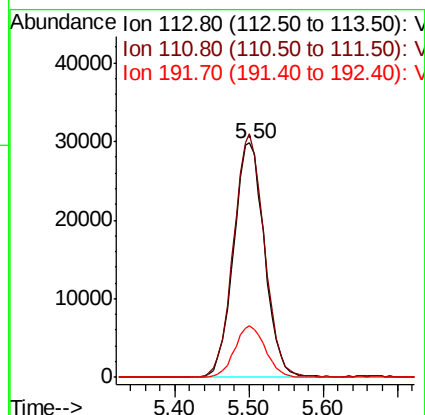
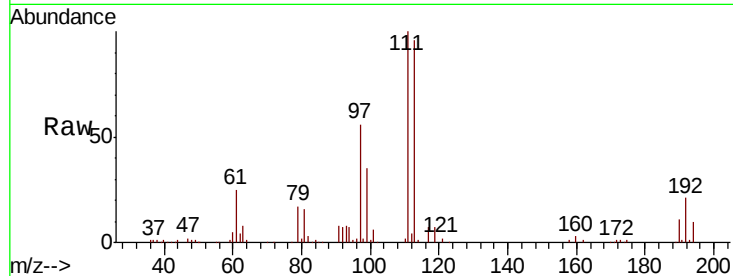




#35
 Dibromofluoromethane
 Concen: 49.533 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009667.D
 Acq: 17 May 2019 17:21

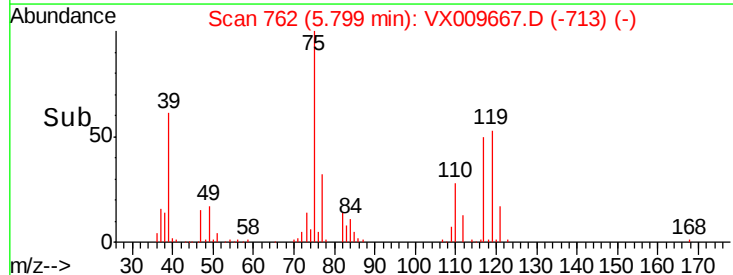
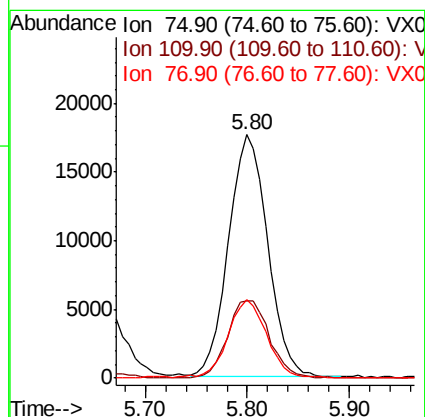
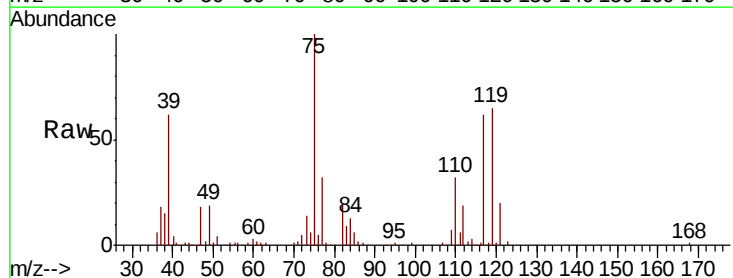
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS03

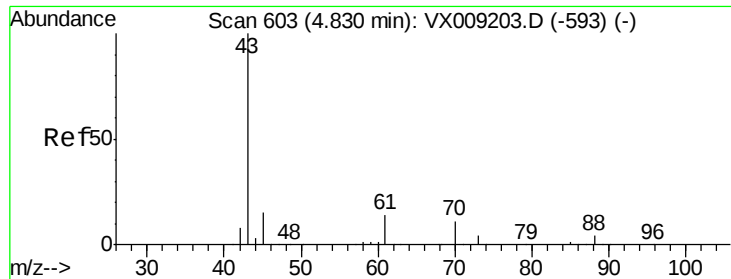
Tot Ion:113 Resp: 86811
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.8 124.2
 192 21.7 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 18.194 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX009667.D
 Acq: 17 May 2019 17:21

Tgt Ion: 75 Resp: 47138
 Ion Ratio Lower Upper
 75 100
 110 34.1 16.9 50.6
 77 32.2 24.8 37.2

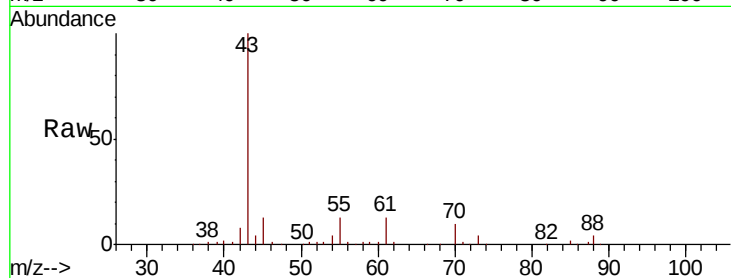




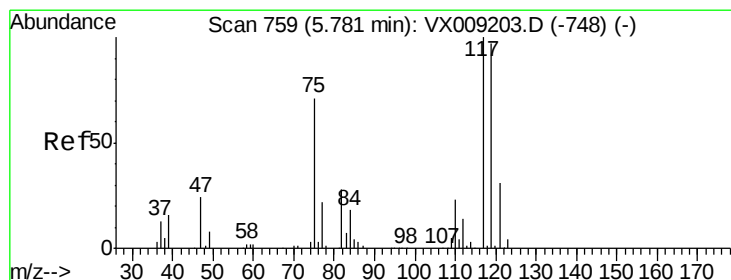
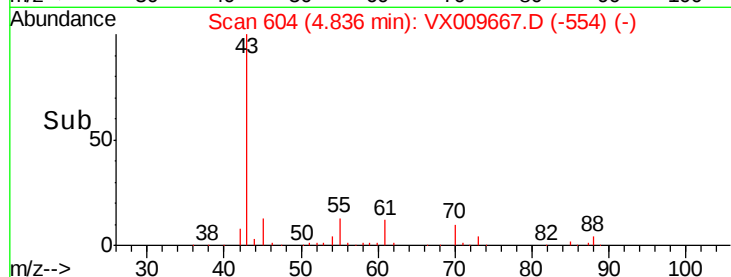
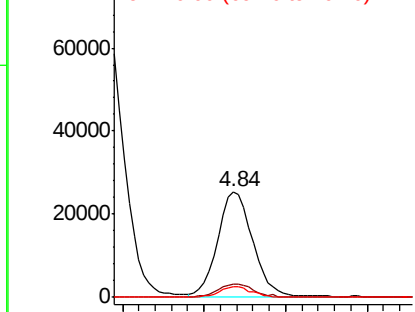
#37
Ethyl Acetate
Concen: 20.743 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS03

Tot Ion: 43 Resp: 74878
Ion Ratio Lower Upper
43 100
61 13.5 10.5 15.7
70 9.6 7.9 11.9

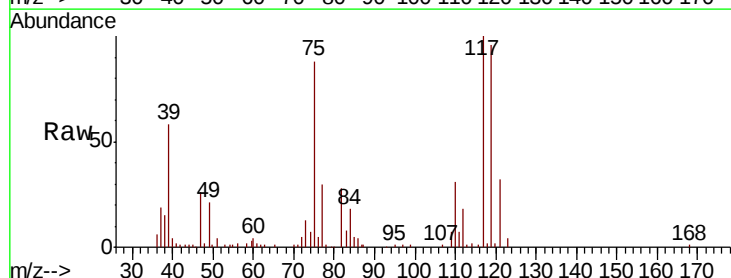


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

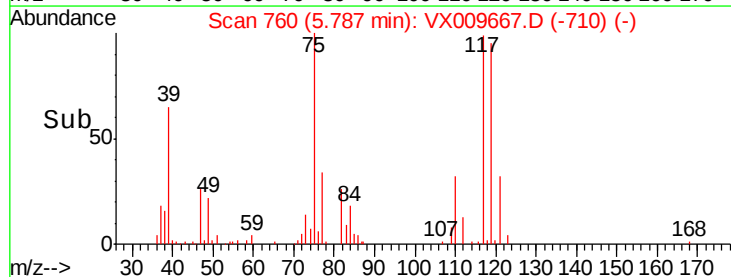
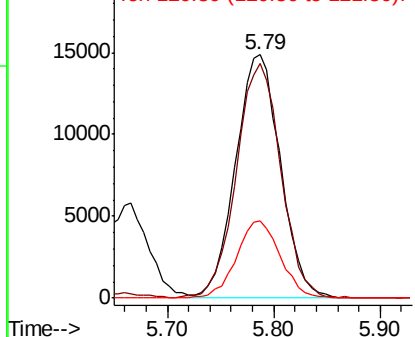


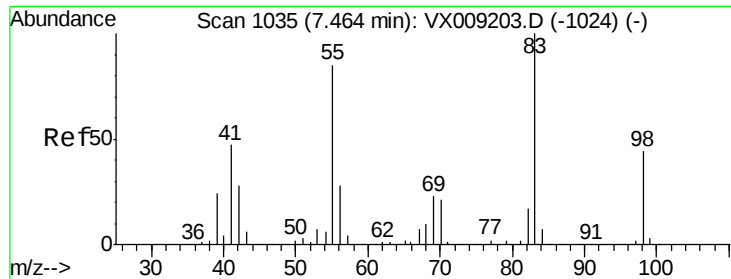
#38
Carbon Tetrachloride
Concen: 18.664 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Tgt Ion: 117 Resp: 43935
Ion Ratio Lower Upper
117 100
119 96.3 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

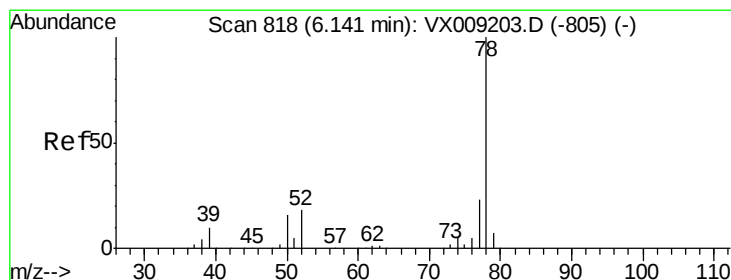
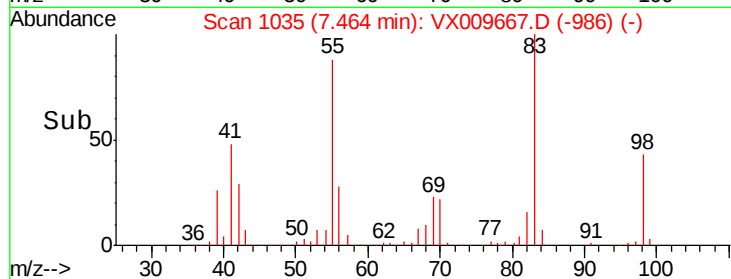
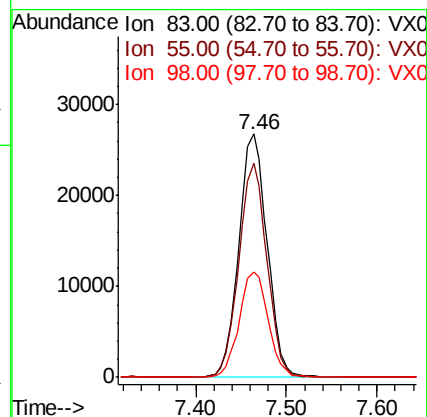
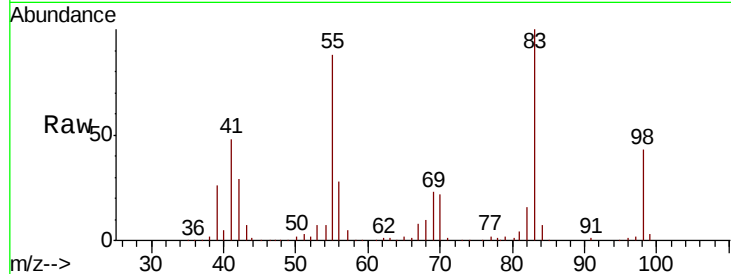




#39
Methvlcvclohexane
Concen: 18.251 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

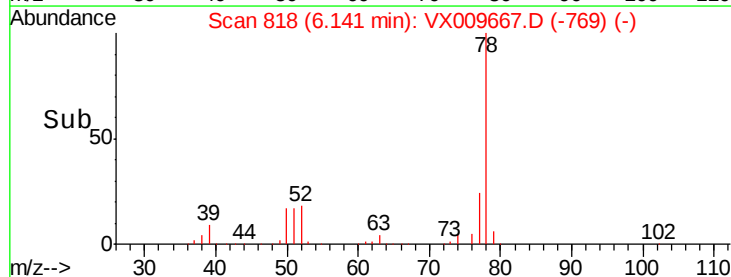
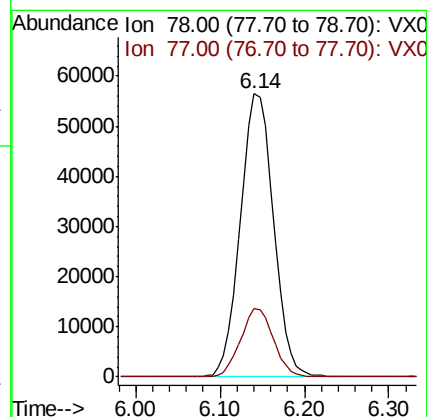
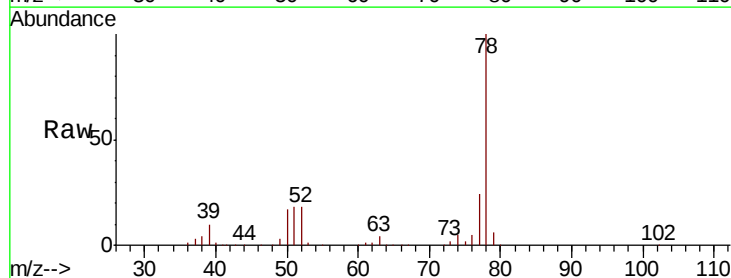
Instrument :
MSVOA_X
ClientSampled :
VX0517WBS03

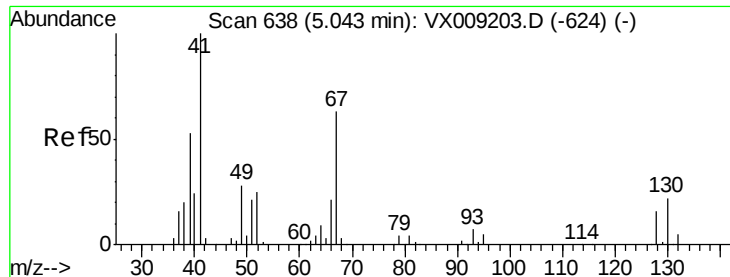
Tot Ion: 83 Resp: 58072
Ion Ratio Lower Upper
83 100
55 87.8 67.7 101.5
98 43.4 35.5 53.3



#40
Benzene
Concen: 18.759 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Tgt Ion: 78 Resp: 150410
Ion Ratio Lower Upper
78 100
77 24.3 18.8 28.2





#41

Methacrylonitrile

Concen: 19.978 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS03

Tot Ion: 41 Resp: 42928

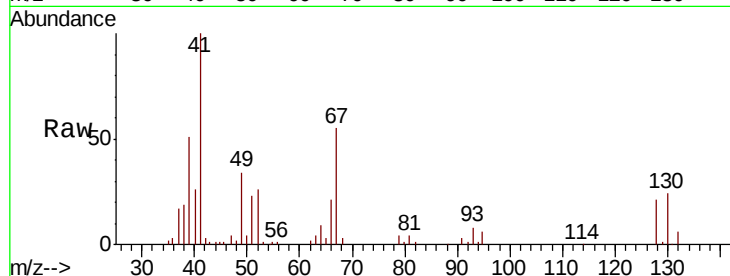
Ion Ratio Lower Upper

41 100

39 54.8 42.0 63.0

67 62.1 49.8 74.8

52 28.3 20.3 30.5

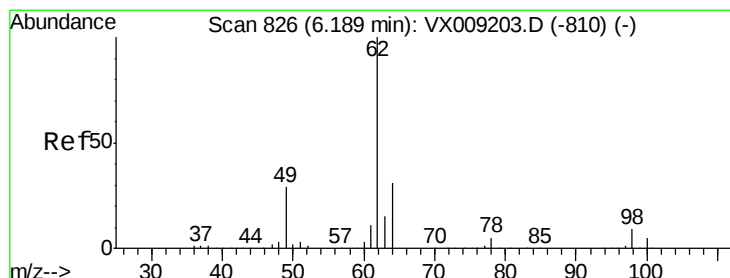
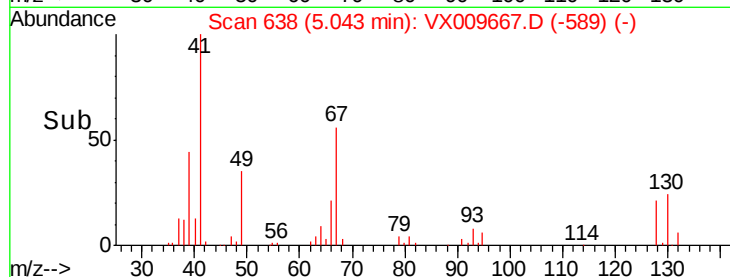
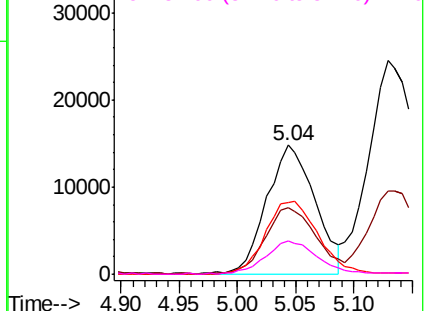


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 19.754 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.01 min

Lab File: VX009667.D

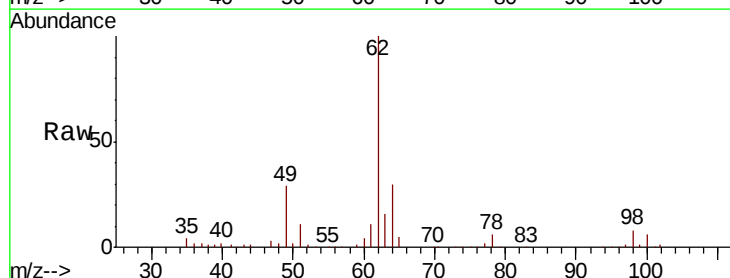
Acq: 17 May 2019 17:21

Tgt Ion: 62 Resp: 56818

Ion Ratio Lower Upper

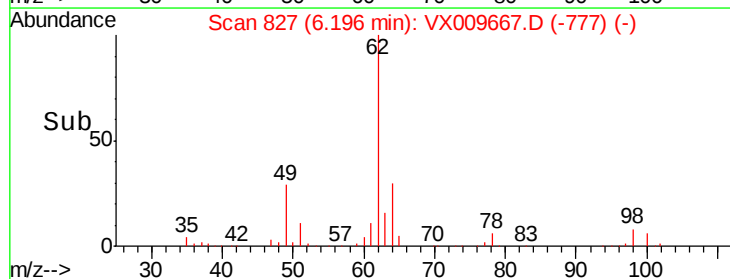
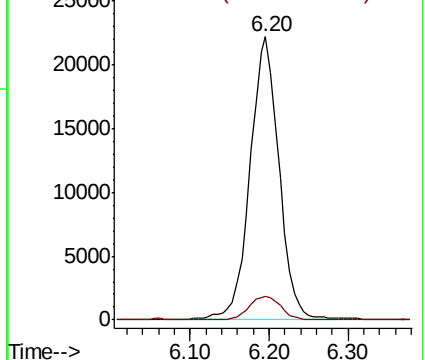
62 100

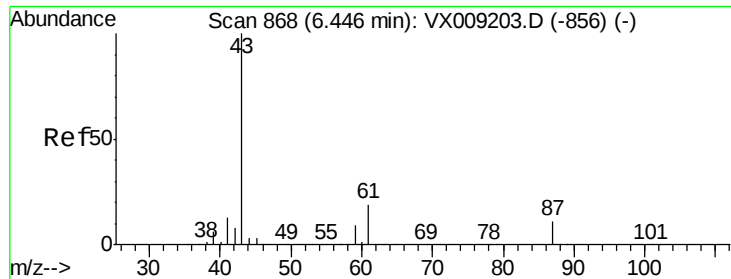
98 9.0 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



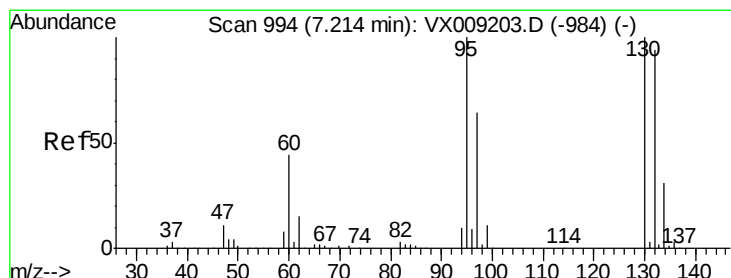
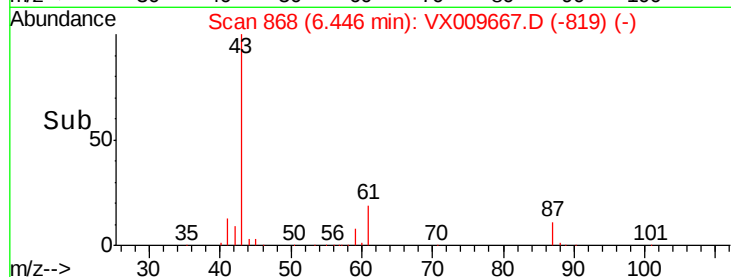
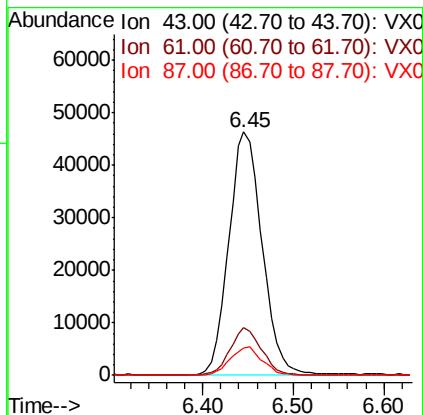
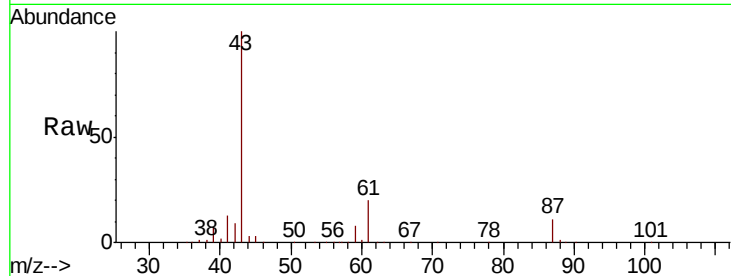


#43

Isopropyl Acetate
 Concen: 20.389 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX009667.D
 Acq: 17 May 2019 17:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS03

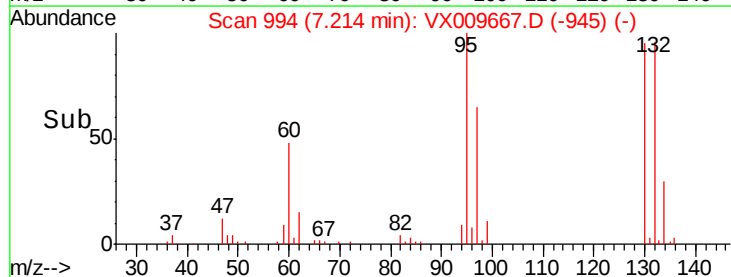
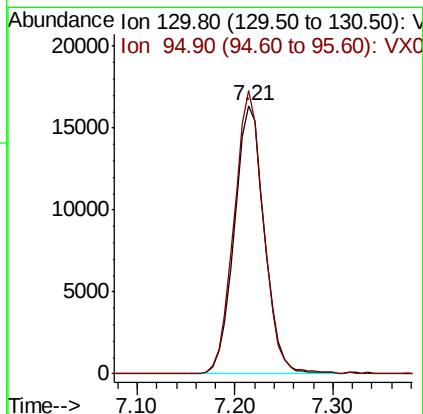
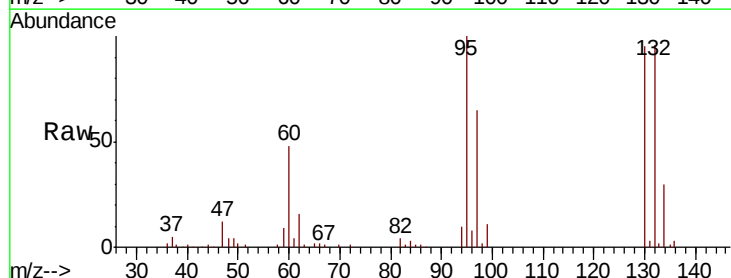
Tot Ion: 43 Resp: 117730
 Ion Ratio Lower Upper
 43 100
 61 18.8 15.1 22.7
 87 11.2 9.0 13.6

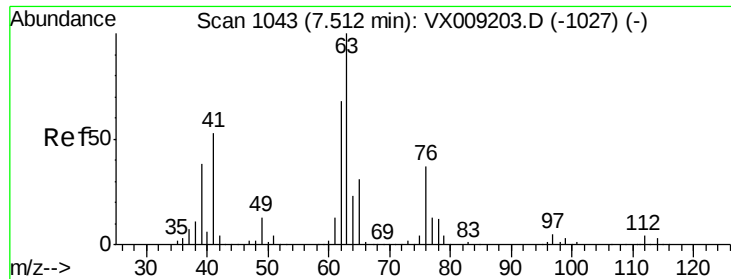


#44

Trichloroethene
 Concen: 17.986 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX009667.D
 Acq: 17 May 2019 17:21

Tgt Ion: 130 Resp: 34864
 Ion Ratio Lower Upper
 130 100
 95 105.6 0.0 199.2

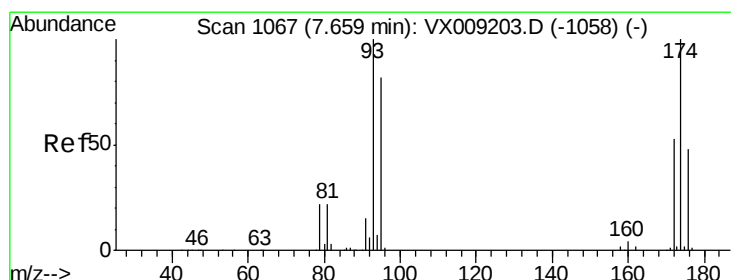
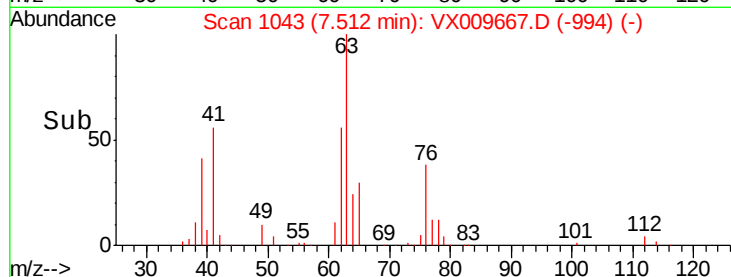
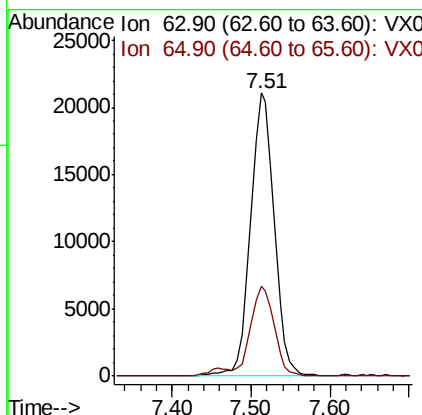
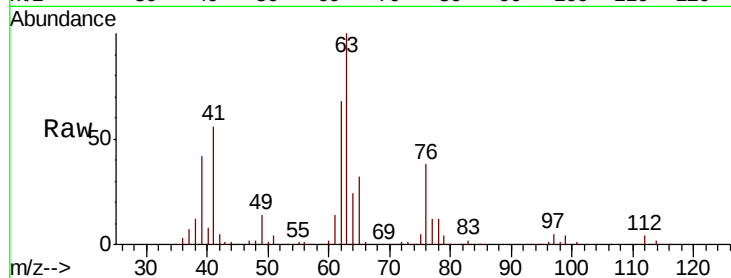




#45
 1,2-Dichloropropane
 Concen: 19.470 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX009667.D
 Acq: 17 May 2019 17:21

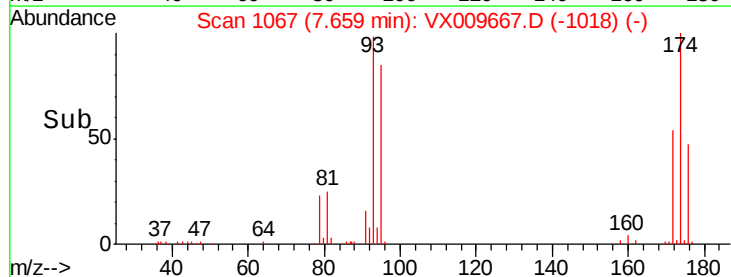
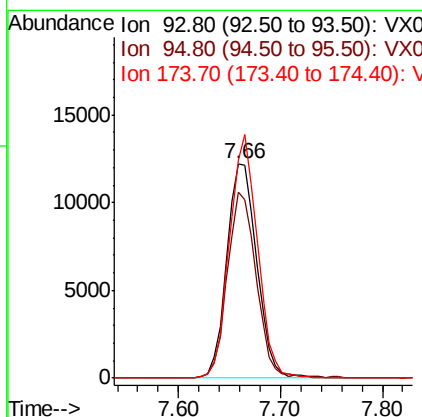
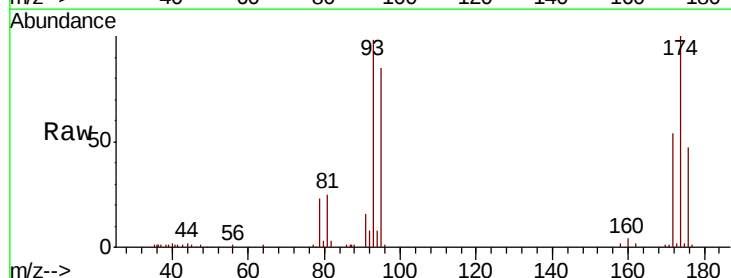
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS03

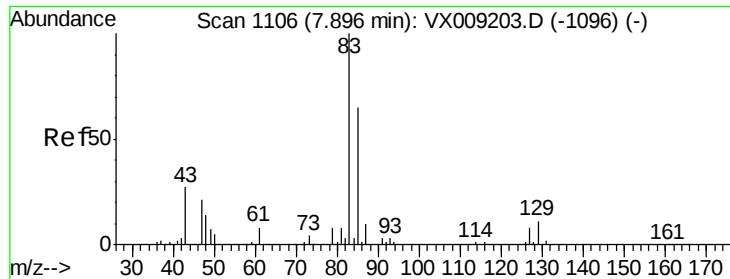
Tot Ion: 63 Resp: 44204
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.0 37.6



#46
 Dibromomethane
 Concen: 18.839 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX009667.D
 Acq: 17 May 2019 17:21

Tgt Ion: 93 Resp: 24838
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.5 99.7
 174 106.1 82.1 123.1





#47

Bromodichloromethane

Concen: 19.293 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS03

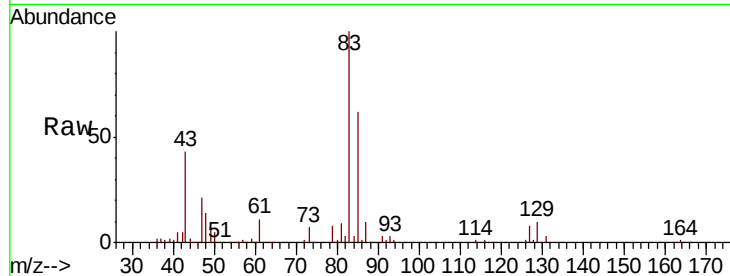
Tot Ion: 83 Resp: 50740

Ion Ratio Lower Upper

83 100

85 62.4 52.4 78.6

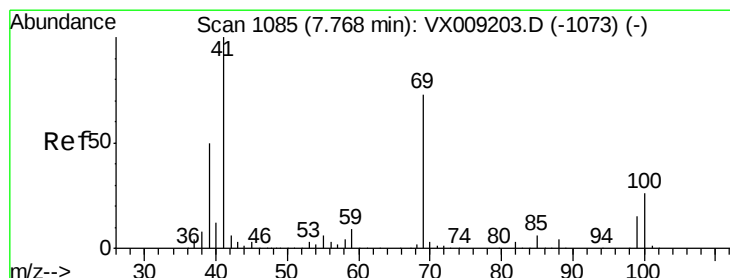
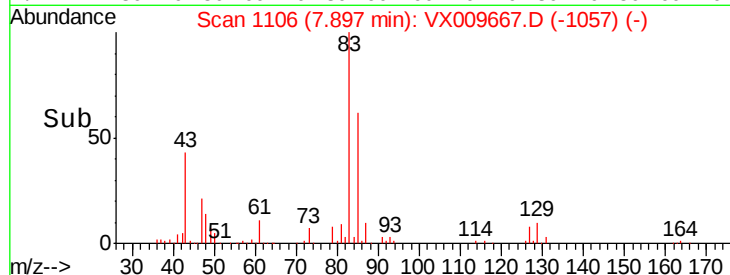
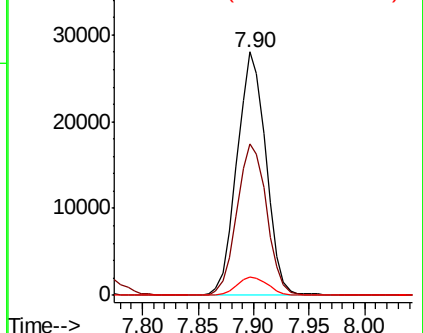
127 7.7 6.6 10.0



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: 20.703 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

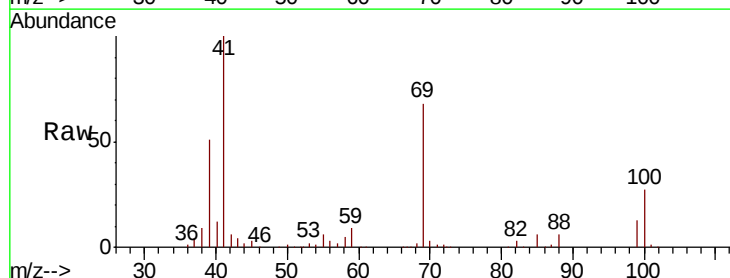
Tgt Ion: 41 Resp: 59306

Ion Ratio Lower Upper

41 100

69 71.0 59.1 88.7

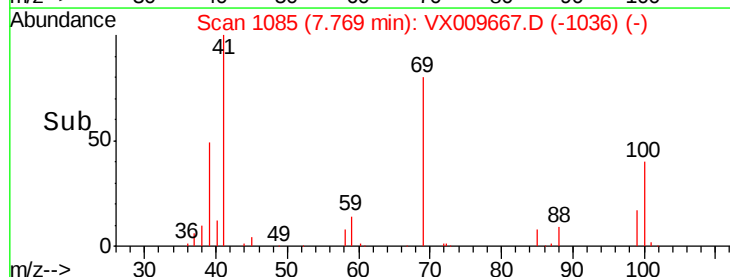
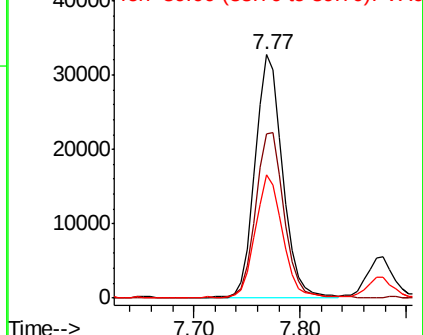
39 49.6 40.4 60.6

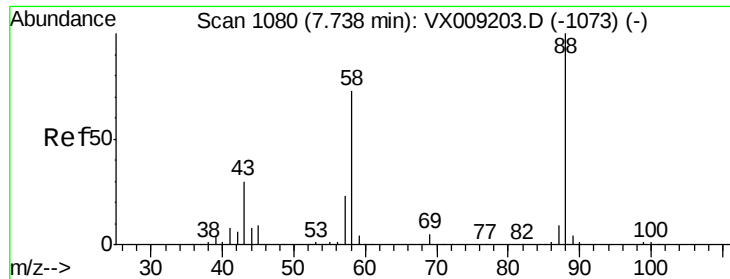


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

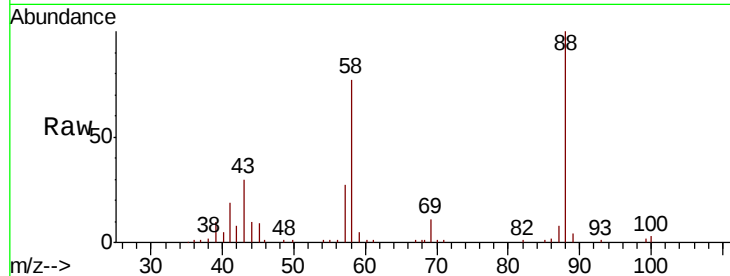




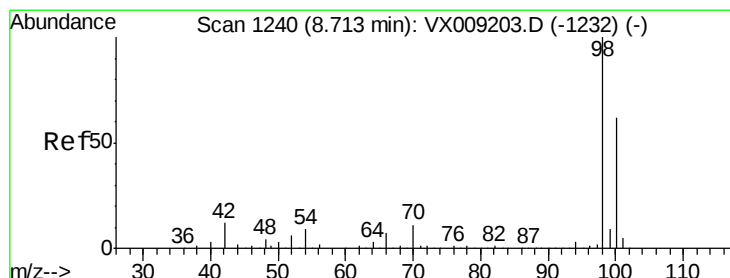
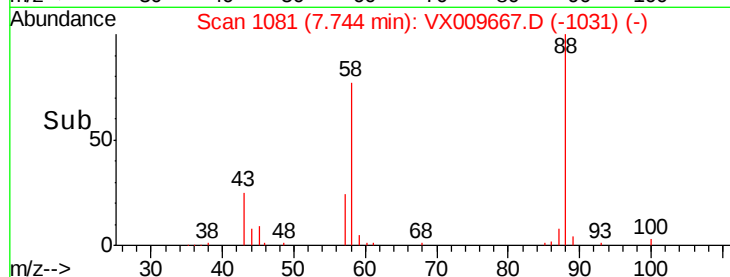
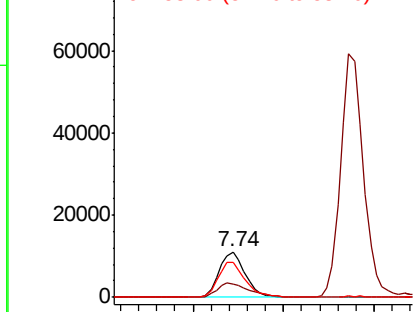
#49
1,4-Dioxane
Concen: 388.193 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS03

Tot Ion: 88 Resp: 22552
Ion Ratio Lower Upper
88 100
43 36.1 28.6 42.8
58 79.2 61.7 92.5

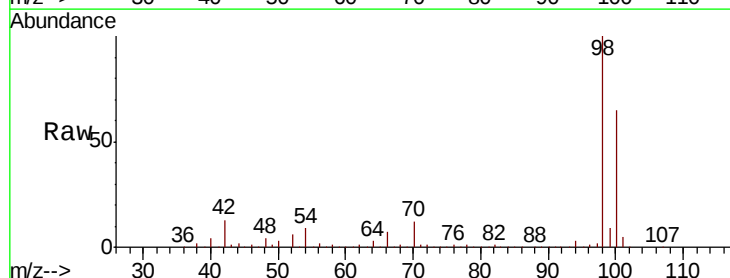


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

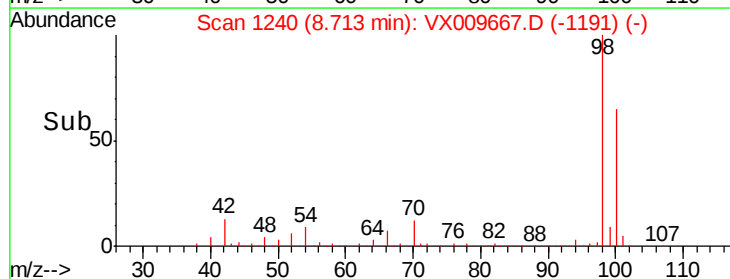
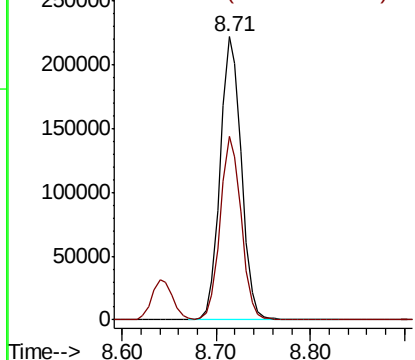


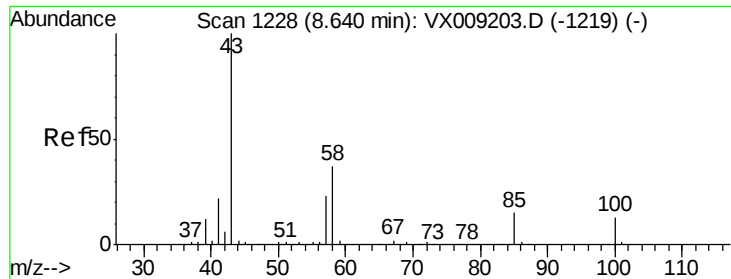
#50
Toluene-d8
Concen: 48.770 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Tgt Ion: 98 Resp: 345078
Ion Ratio Lower Upper
98 100
100 64.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 107.078 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

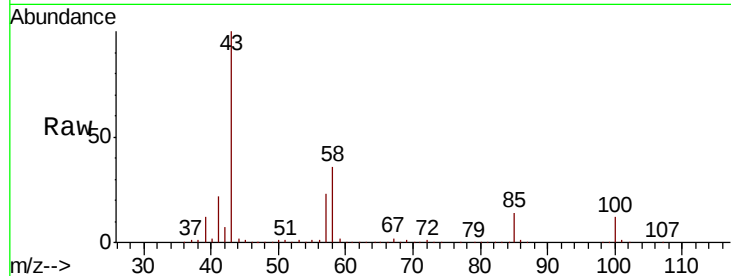
VX0517WBS03

Tot Ion: 43 Resp: 404118

Ion Ratio Lower Upper

43 100

58 36.4 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

250000

200000

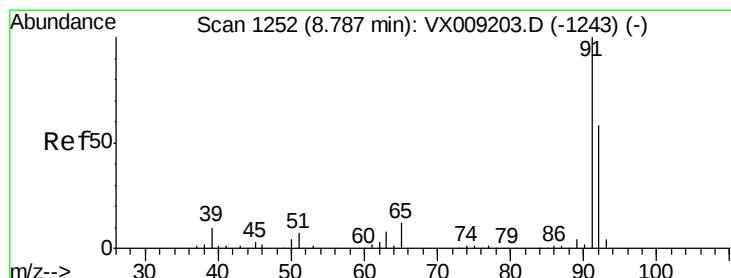
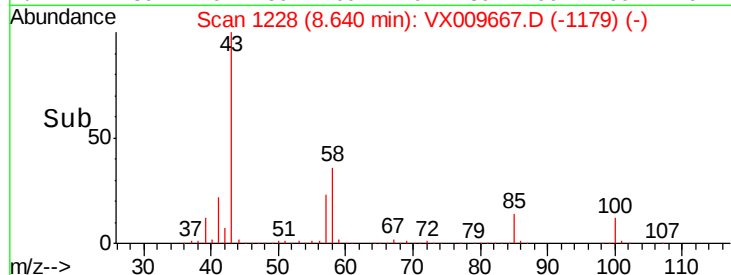
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.130 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX009667.D

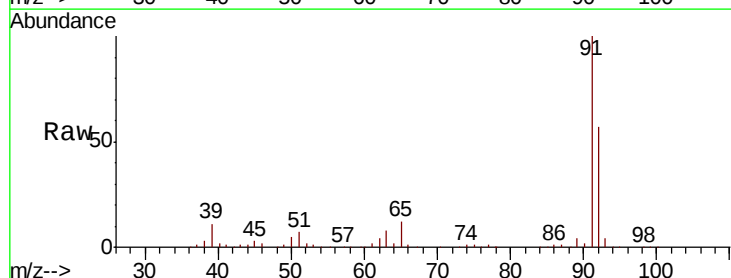
Acq: 17 May 2019 17:21

Tgt Ion: 92 Resp: 93239

Ion Ratio Lower Upper

92 100

91 174.2 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

120000

100000

80000

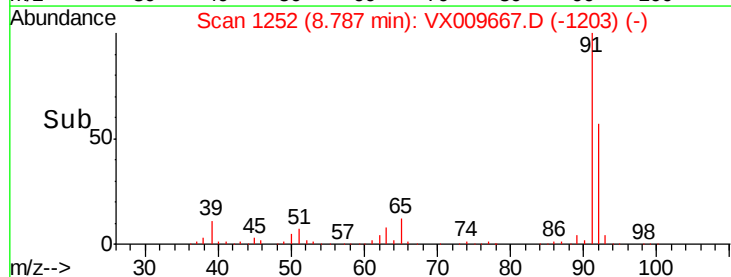
60000

40000

20000

0

Time-->

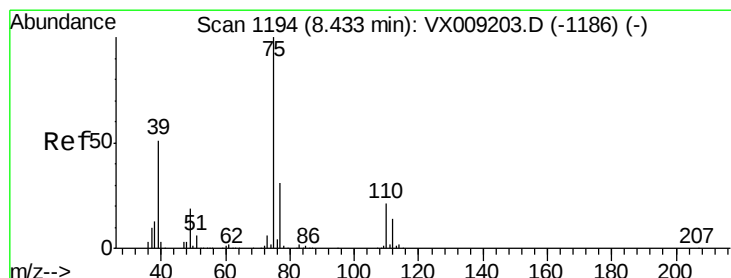
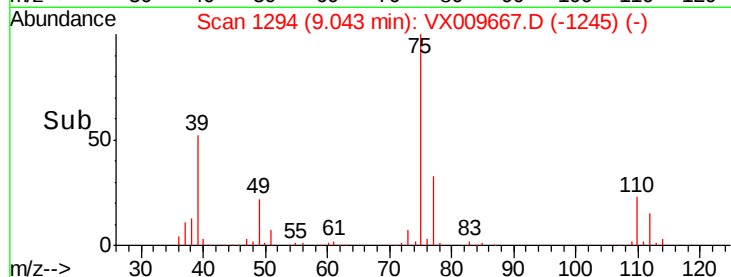
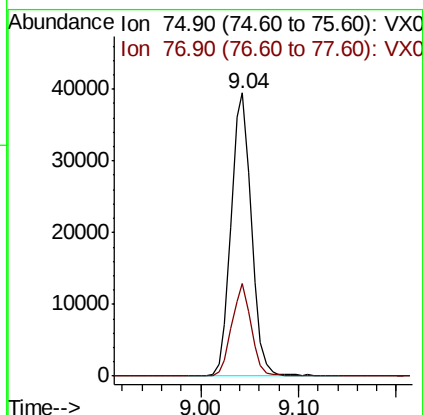
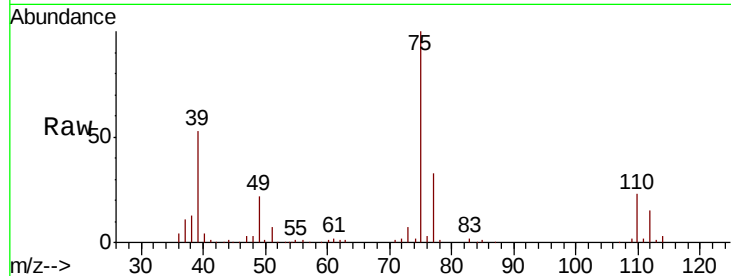




#53
t-1,3-Dichloropropene
Concen: 19.174 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

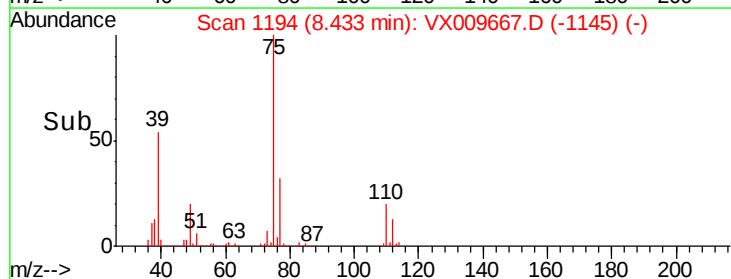
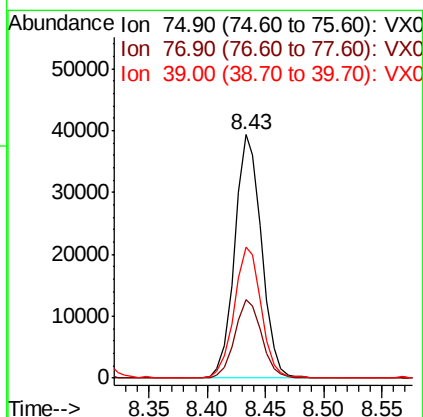
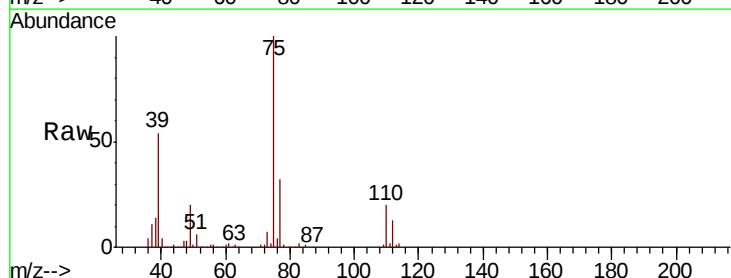
Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS03

Tot Ion: 75 Resp: 56932
Ion Ratio Lower Upper
75 100
77 32.9 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 19.200 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Tgt Ion: 75 Resp: 63101
Ion Ratio Lower Upper
75 100
77 32.0 24.6 36.8
39 53.5 40.6 60.8

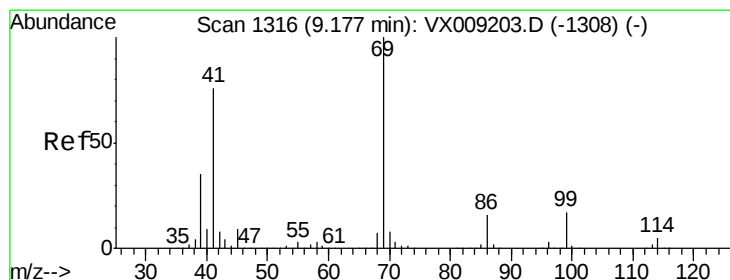
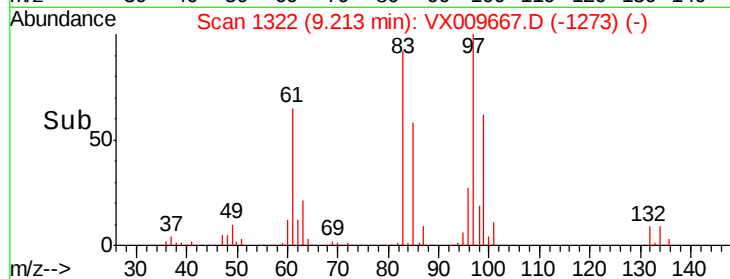
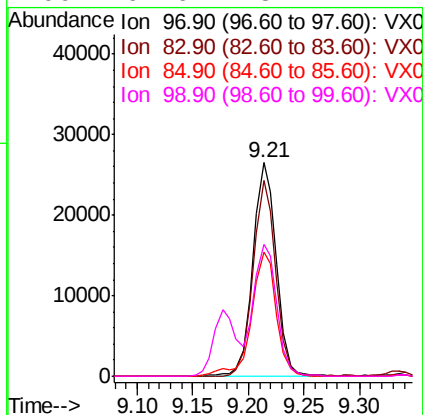
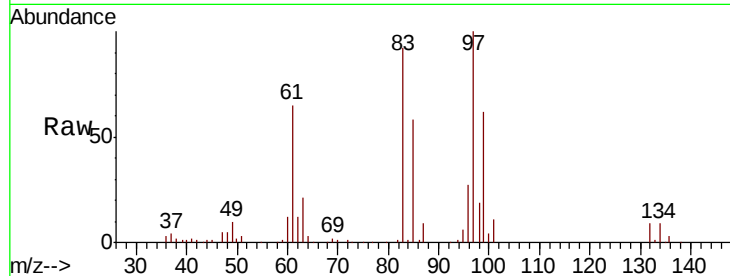




#55
 1,1,2-Trichloroethane
 Concen: 19.501 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009667.D
 Acq: 17 May 2019 17:21

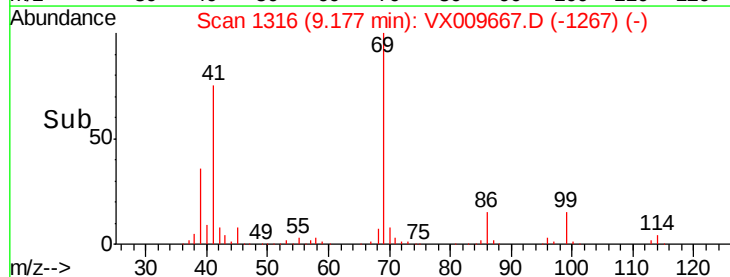
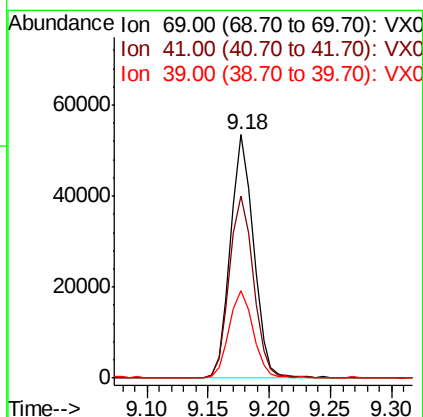
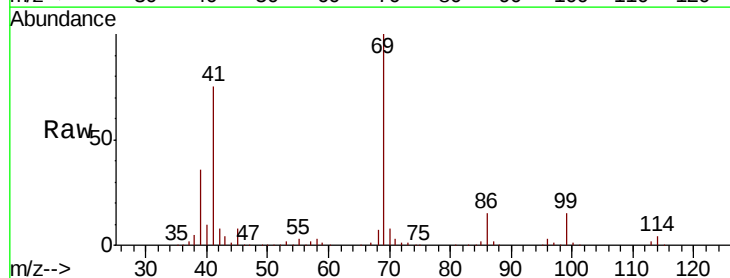
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS03

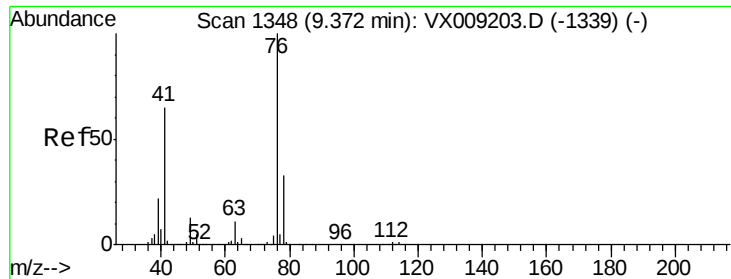
Tot Ion: 97 Resp: 38777
 Ion Ratio Lower Upper
 97 100
 83 92.0 68.9 103.3
 85 58.1 43.8 65.6
 99 61.6 48.2 72.2



#56
 Ethyl methacrylate
 Concen: 19.829 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009667.D
 Acq: 17 May 2019 17:21

Tgt Ion: 69 Resp: 70382
 Ion Ratio Lower Upper
 69 100
 41 78.0 60.6 90.8
 39 37.0 28.2 42.4





#57

1,3-Dichloropropane

Concen: 19.503 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

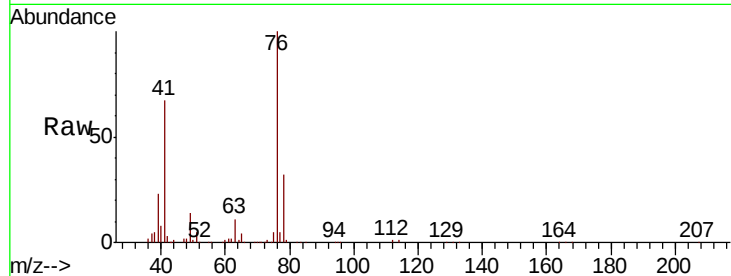
VX0517WBS03

Tot Ion: 76 Resp: 68245

Ion Ratio Lower Upper

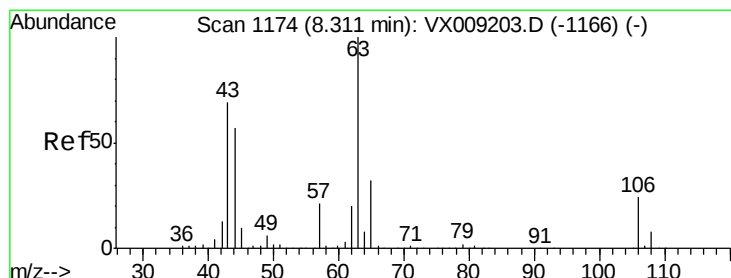
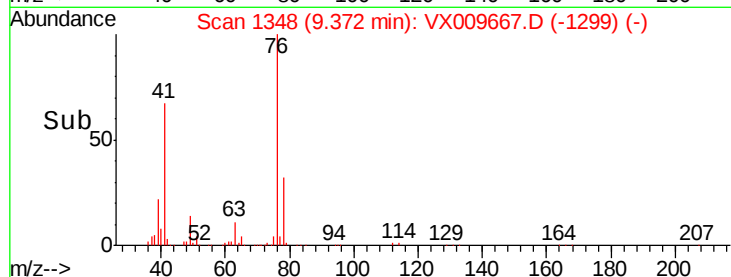
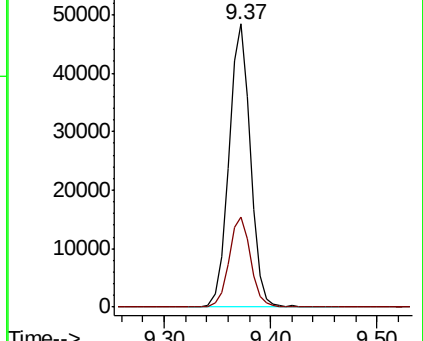
76 100

78 32.0 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: 82.798 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX009667.D

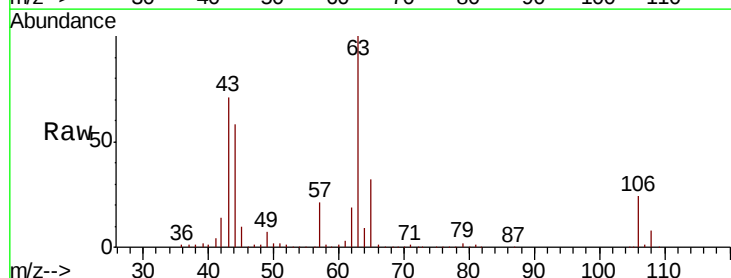
Acq: 17 May 2019 17:21

Tgt Ion: 63 Resp: 155909

Ion Ratio Lower Upper

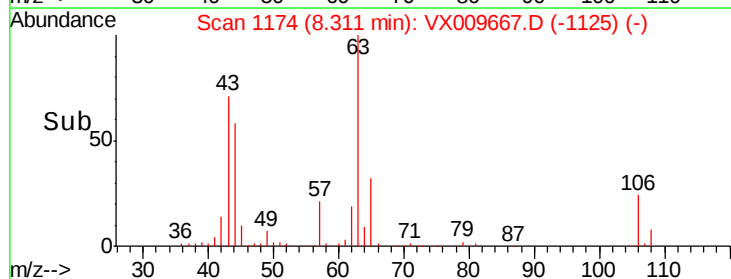
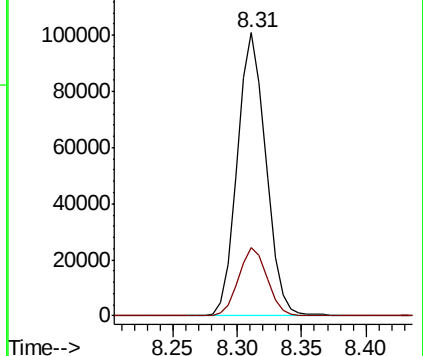
63 100

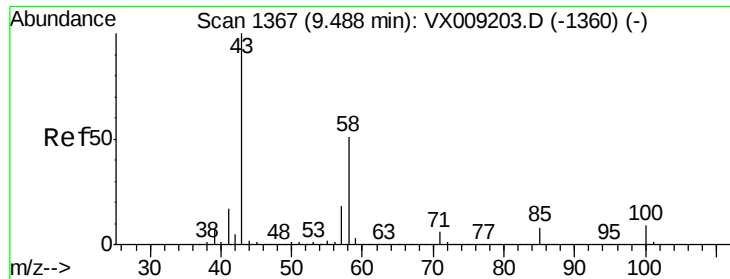
106 24.3 19.7 29.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

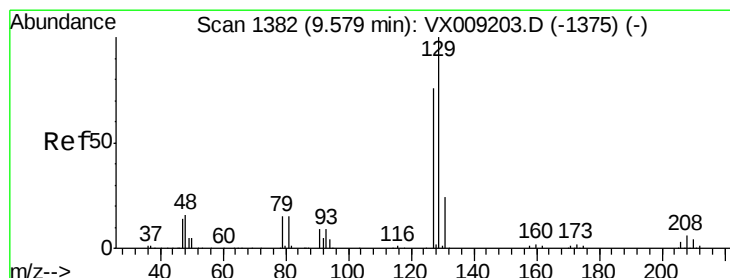
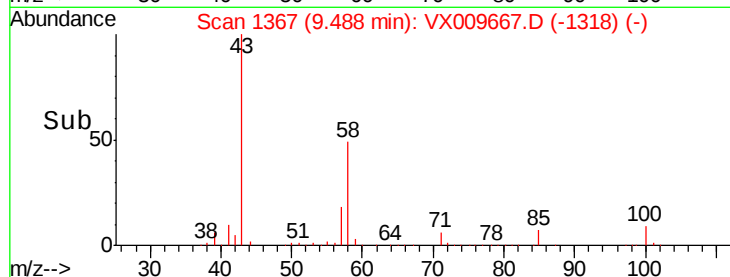
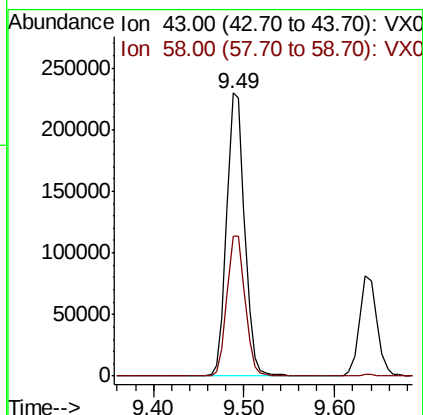
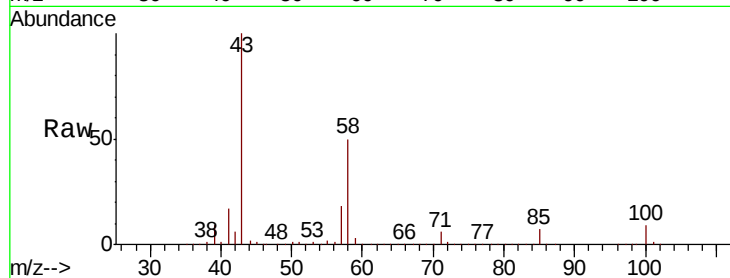




#59
2-Hexanone
Concen: 106.974 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

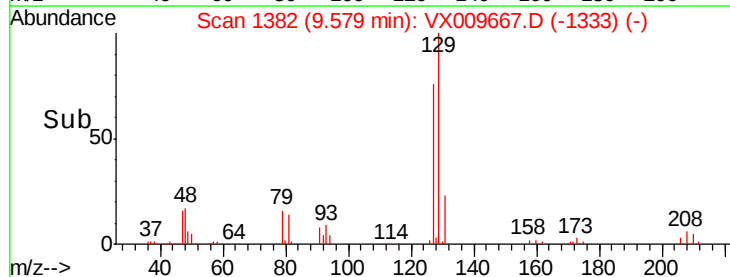
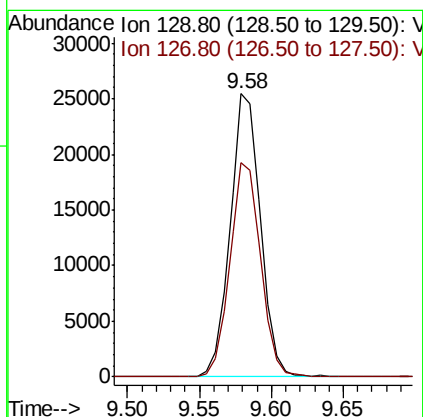
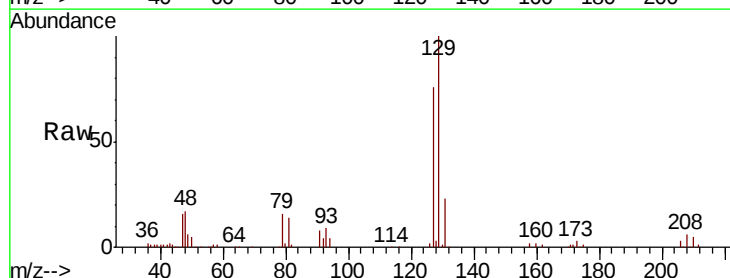
Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS03

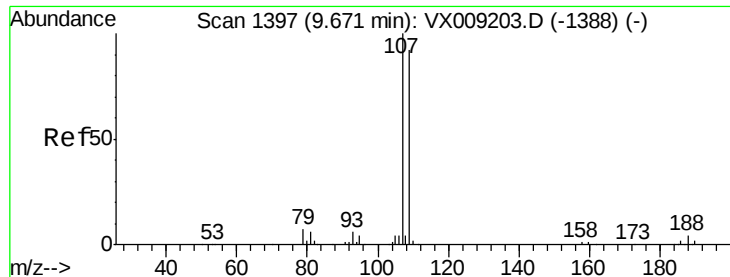
Tot Ion: 43 Resp: 317082
Ion Ratio Lower Upper
43 100
58 50.5 25.9 77.7



#60
Dibromochloromethane
Concen: 19.253 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Tgt Ion: 129 Resp: 37392
Ion Ratio Lower Upper
129 100
127 76.6 38.4 115.1





#61

1,2-Dibromoethane

Concen: 19.390 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

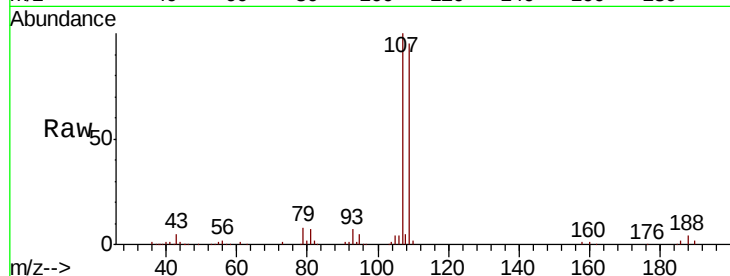
VX0517WBS03

Tot Ion:107 Resp: 38920

Ion Ratio Lower Upper

107 100

109 94.6 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

30000

25000

20000

15000

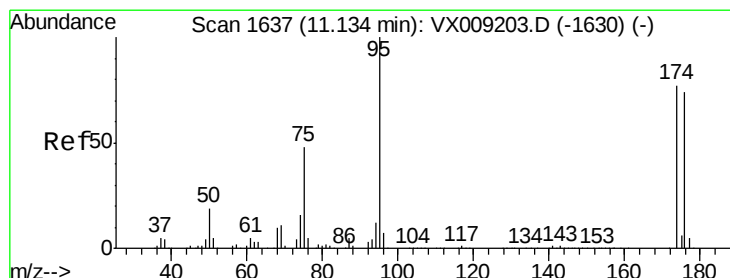
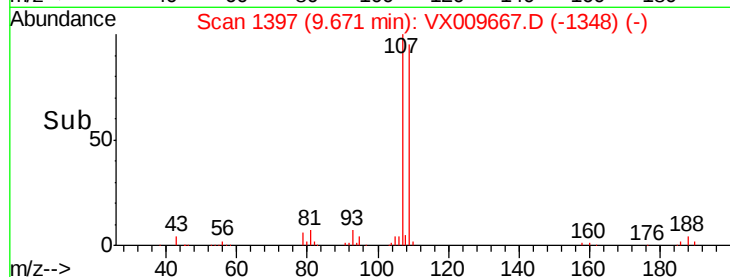
10000

5000

0

Time-->

9.60 9.65 9.70 9.75 9.80



#62

4-Bromofluorobenzene

Concen: 50.101 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

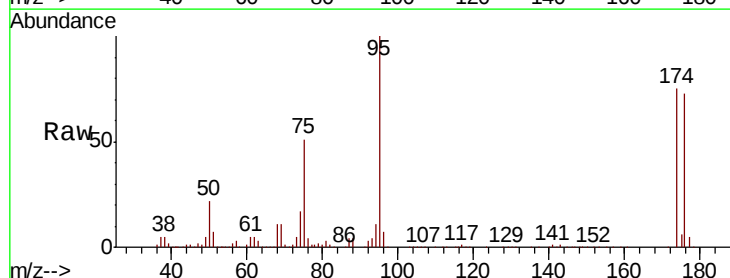
Tgt Ion: 95 Resp: 128809

Ion Ratio Lower Upper

95 100

174 81.3 0.0 161.6

176 78.9 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

11.13

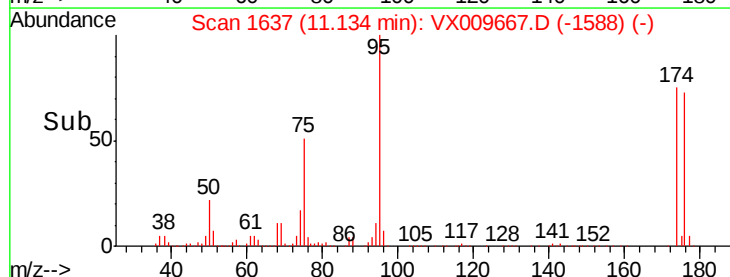
100000

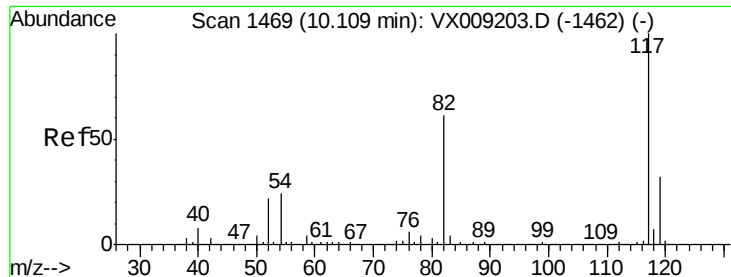
50000

0

Time-->

11.10 11.20

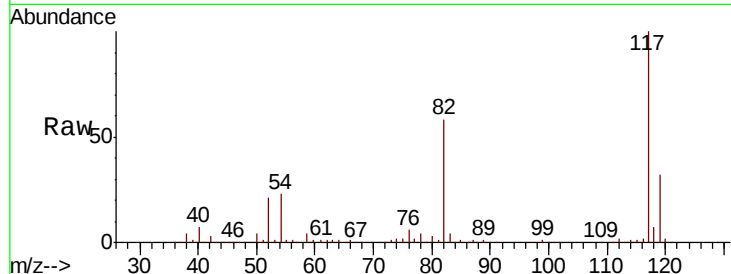




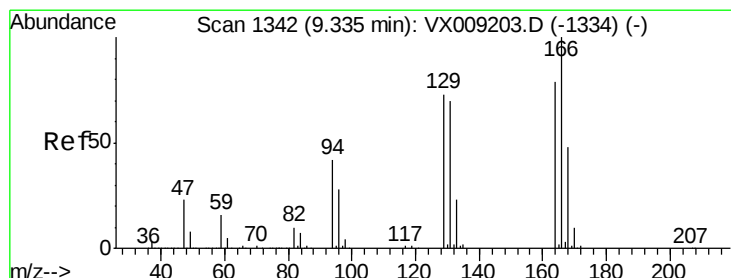
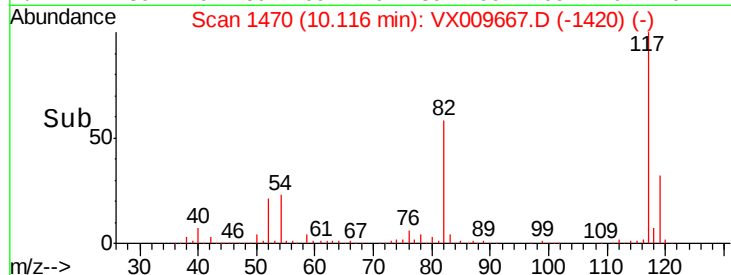
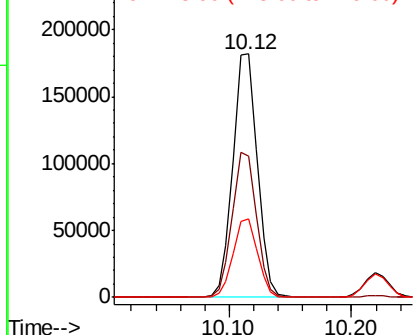
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS03

Tot Ion:117 Resp: 251321
Ion Ratio Lower Upper
117 100
82 57.8 48.8 73.2
119 32.1 25.8 38.6

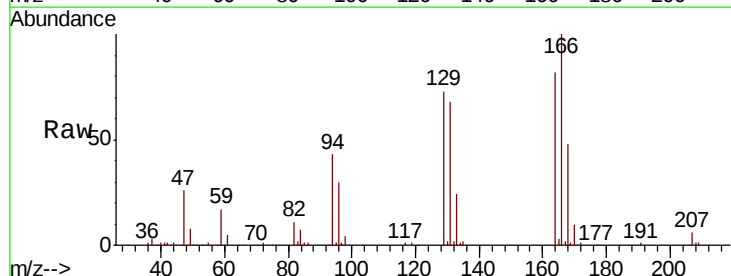


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

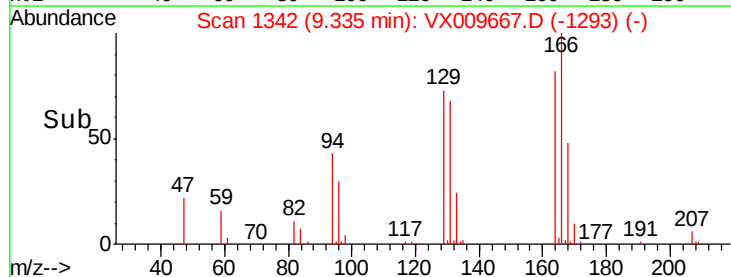
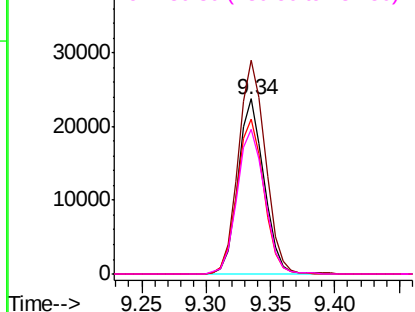


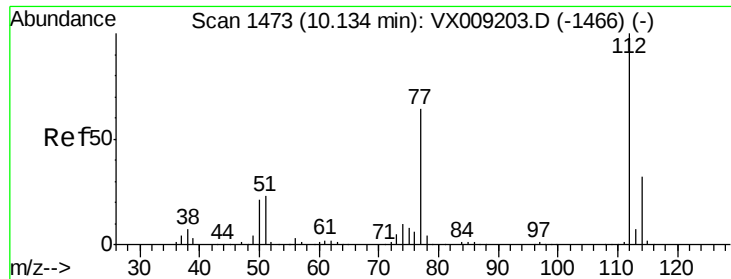
#64
Tetrachloroethene
Concen: 19.204 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Tgt Ion:164 Resp: 33107
Ion Ratio Lower Upper
164 100
166 122.1 101.2 151.8
129 88.7 74.3 111.5
131 83.0 71.0 106.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

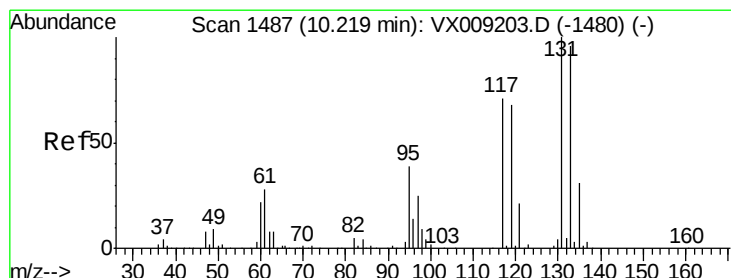
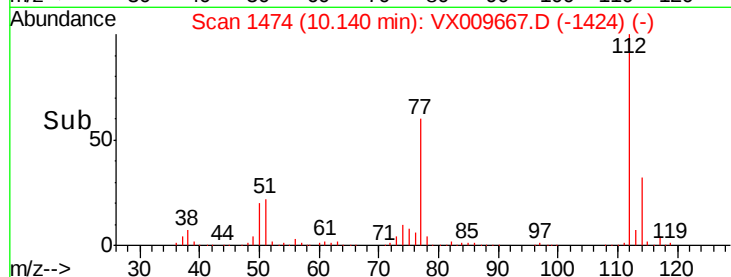
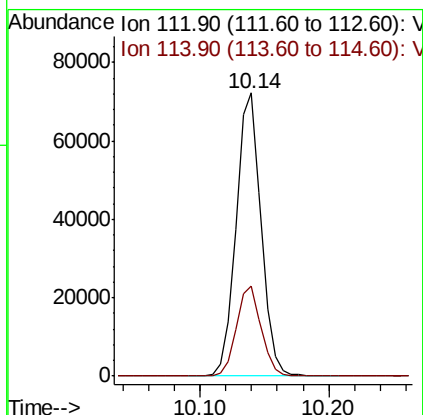
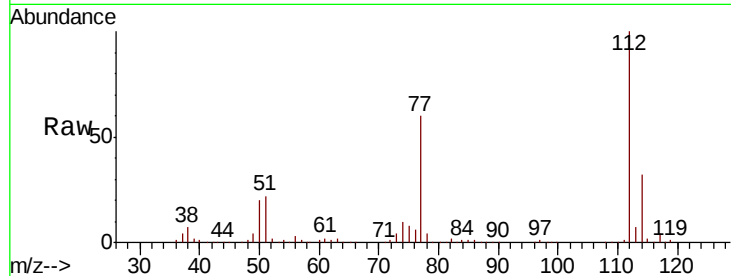




#65
Chlorobenzene
Concen: 19.303 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

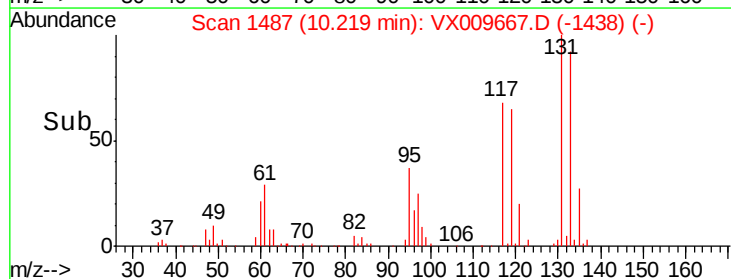
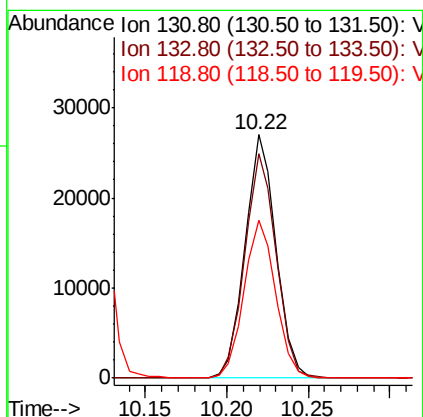
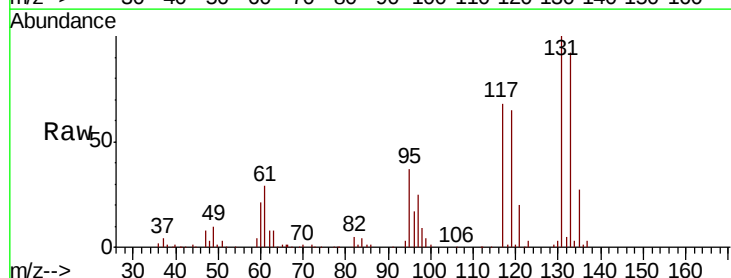
Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS03

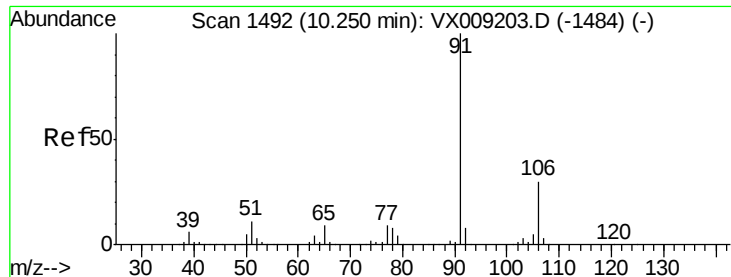
Tot Ion:112 Resp: 97045
Ion Ratio Lower Upper
112 100
114 32.0 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 19.558 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Tgt Ion:131 Resp: 35648
Ion Ratio Lower Upper
131 100
133 93.9 47.7 143.1
119 66.6 33.5 100.4





#67

Ethyl Benzene

Concen: 19.371 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

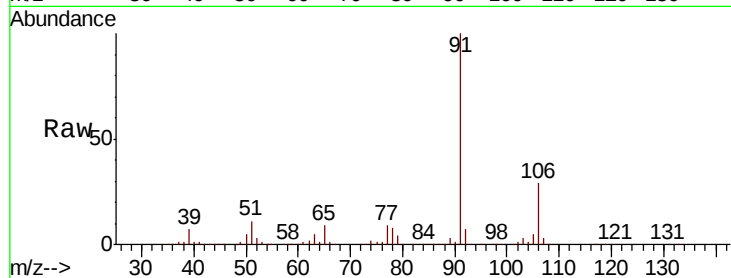
VX0517WBS03

Tot Ion: 91 Resp: 179231

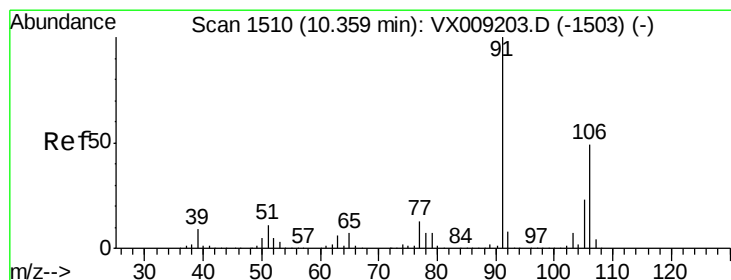
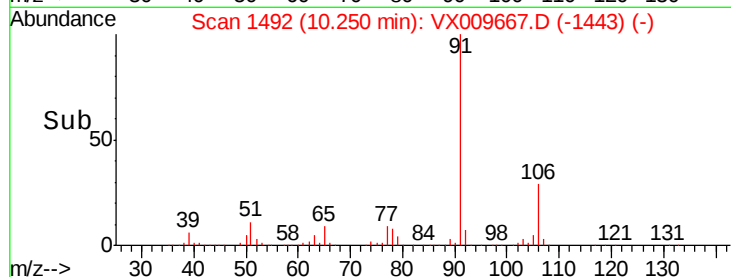
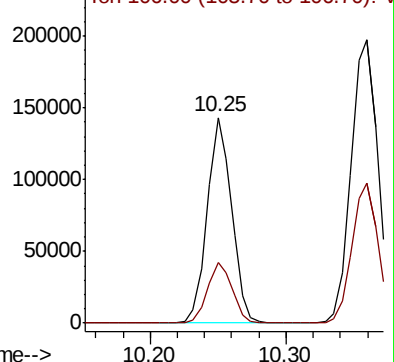
Ion Ratio Lower Upper

91 100

106 29.3 24.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX009203.D (-1484) (-)



#68

m/p-Xylenes

Concen: 38.801 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX009667.D

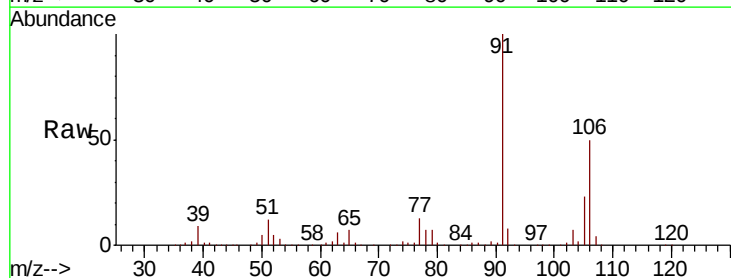
Acq: 17 May 2019 17:21

Tgt Ion: 106 Resp: 131193

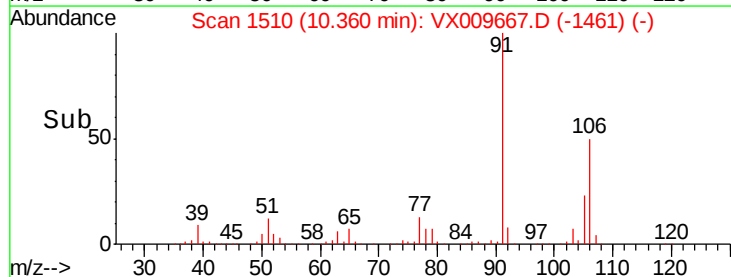
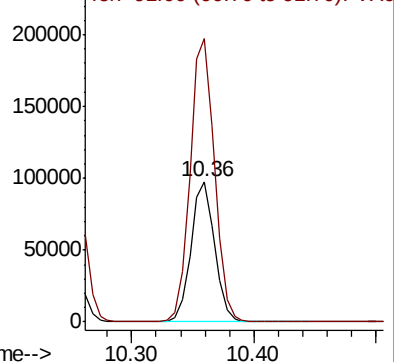
Ion Ratio Lower Upper

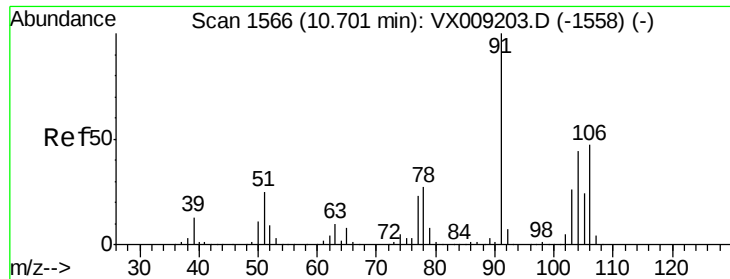
106 100

91 207.3 164.0 246.0



Abundance Ion 106.00 (105.70 to 106.70): VX009203.D (-1503) (-)

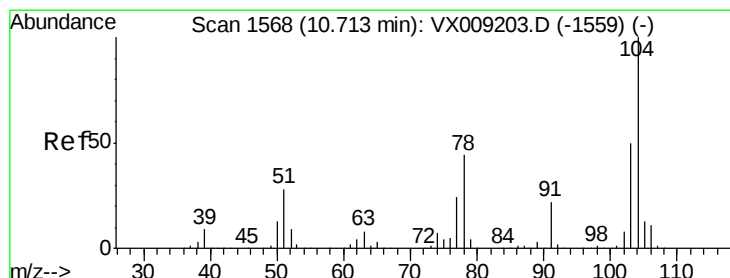
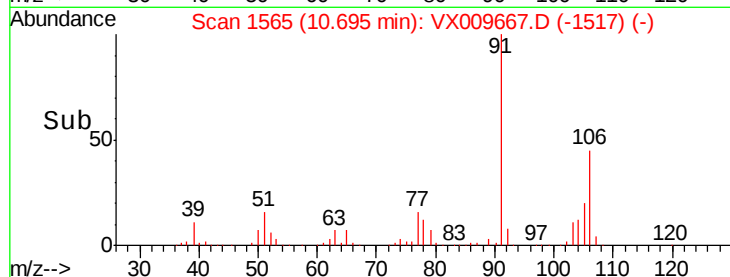
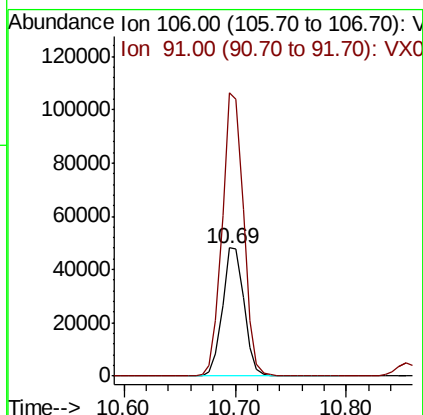
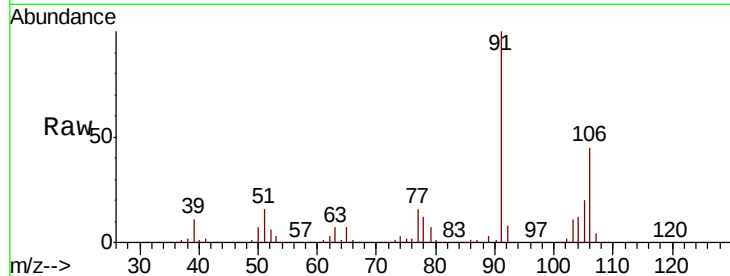




#69
o-Xylene
Concen: 19.434 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

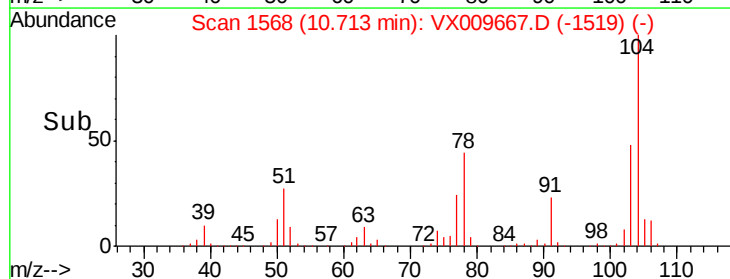
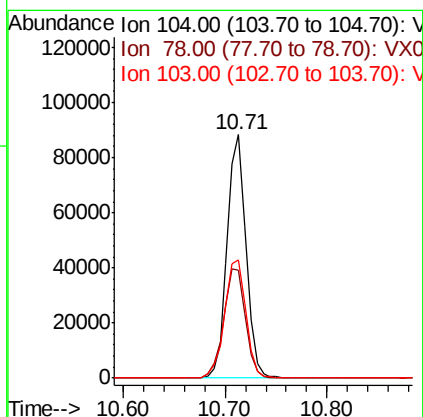
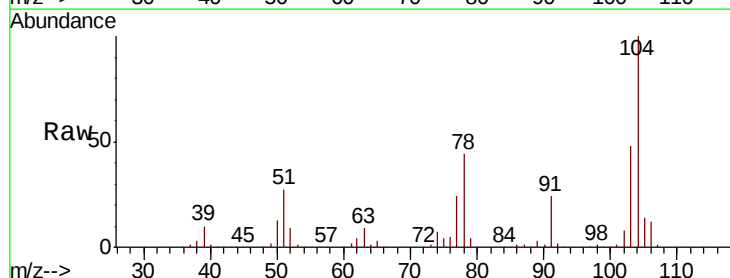
Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS03

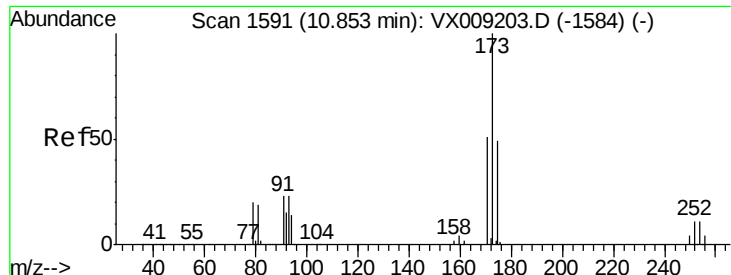
Tot Ion:106 Resp: 64832
Ion Ratio Lower Upper
106 100
91 217.7 109.5 328.4



#70
Styrene
Concen: 19.505 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Tgt Ion:104 Resp: 113098
Ion Ratio Lower Upper
104 100
78 52.1 41.0 61.4
103 55.1 43.8 65.6





#71

Bromoform

Concen: 18.934 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS03

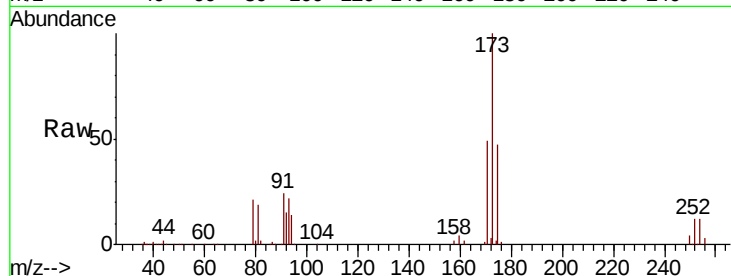
Tot Ion:173 Resp: 28045

Ion Ratio Lower Upper

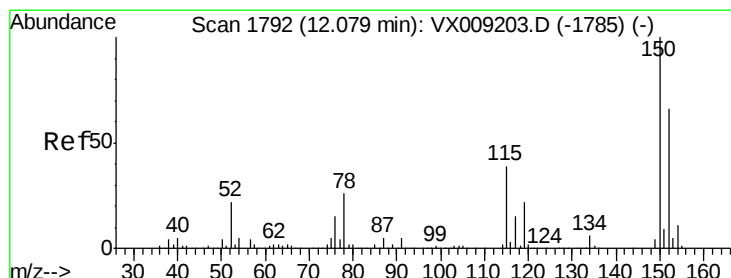
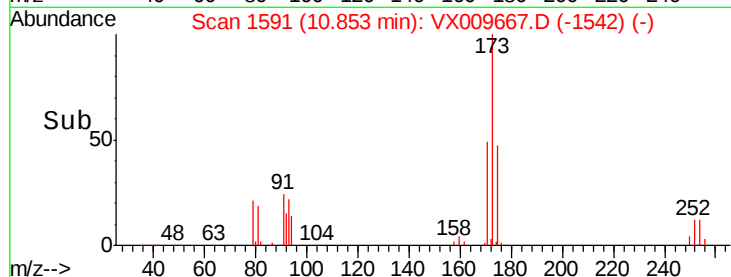
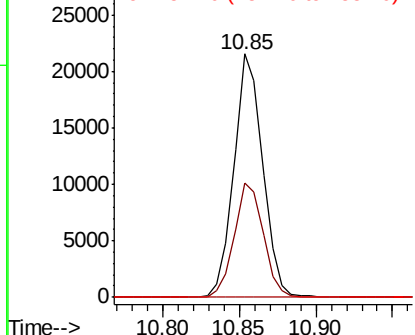
173 100

175 47.6 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: VX009667.D

Acq: 17 May 2019 17:21

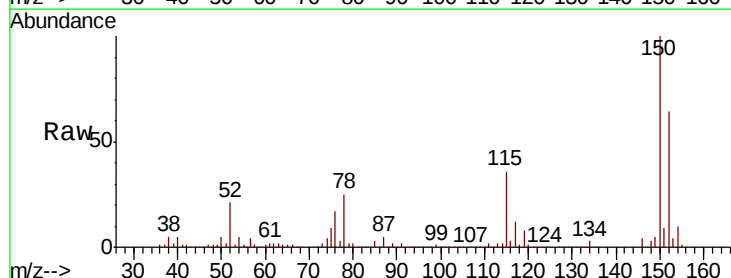
Tgt Ion:152 Resp: 124308

Ion Ratio Lower Upper

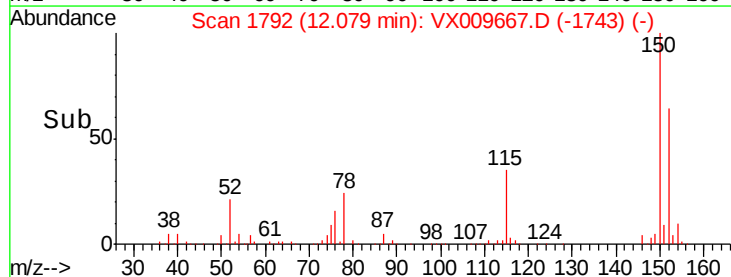
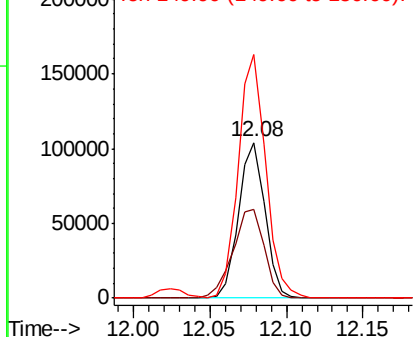
152 100

115 67.3 41.2 123.6

150 163.5 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: 19.184 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

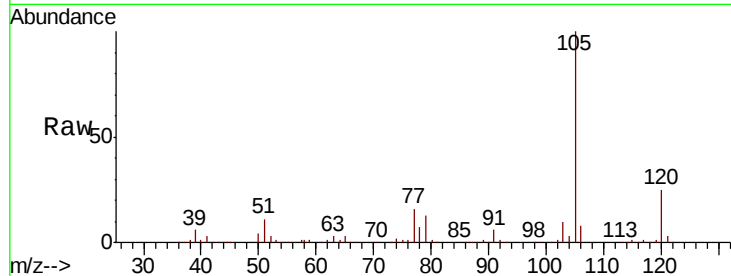
VX0517WBS03

Tot Ion:105 Resp: 173415

Ion Ratio Lower Upper

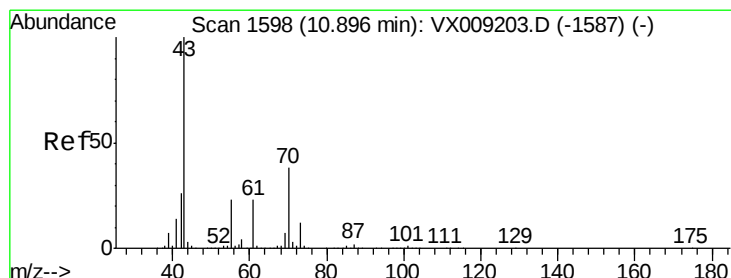
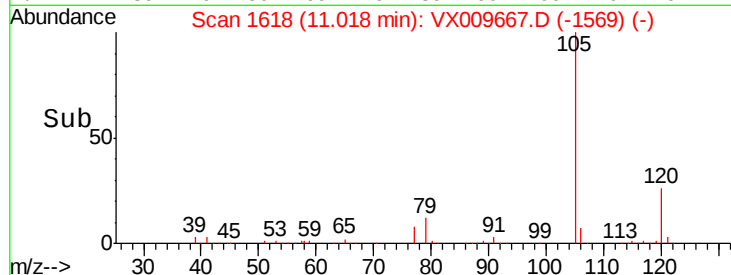
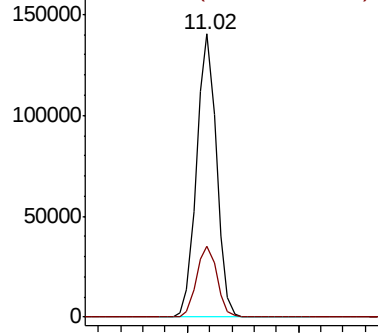
105 100

120 25.7 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: 19.922 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Tgt Ion: 43 Resp: 104992

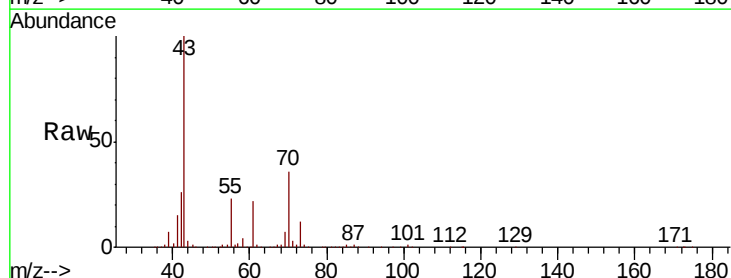
Ion Ratio Lower Upper

43 100

70 36.3 30.0 45.0

55 22.9 17.9 26.9

61 22.5 18.4 27.6

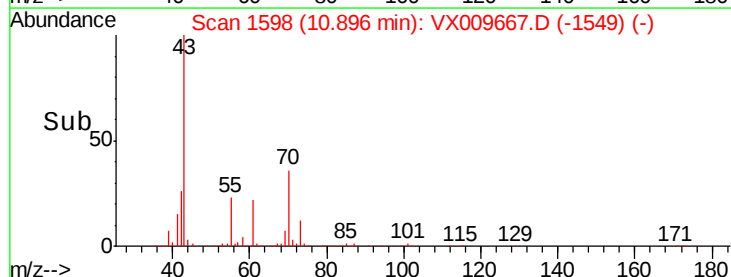
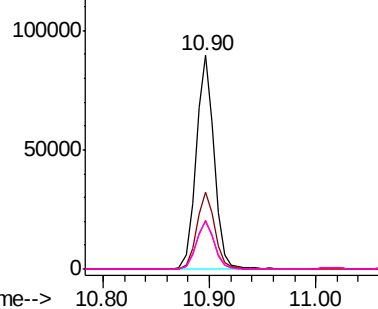


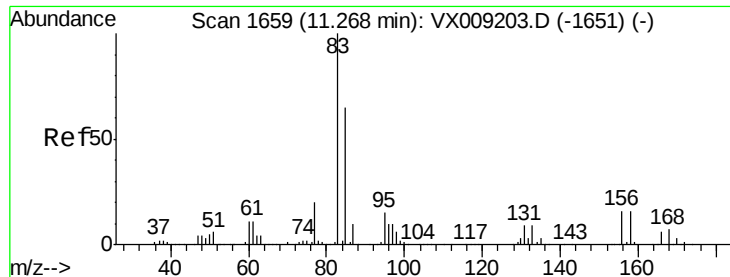
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.832 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS03

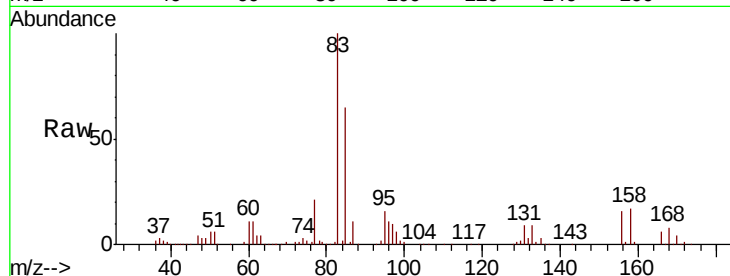
Tot Ion: 83 Resp: 66830

Ion Ratio Lower Upper

83 100

131 9.4 4.6 13.8

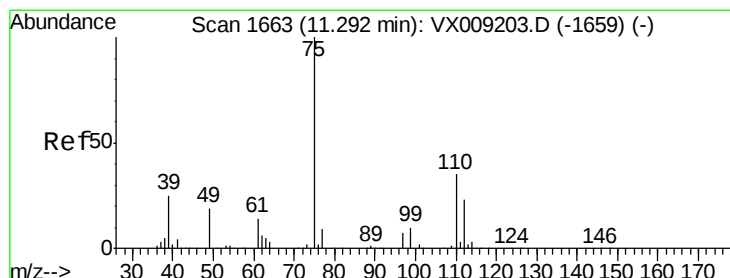
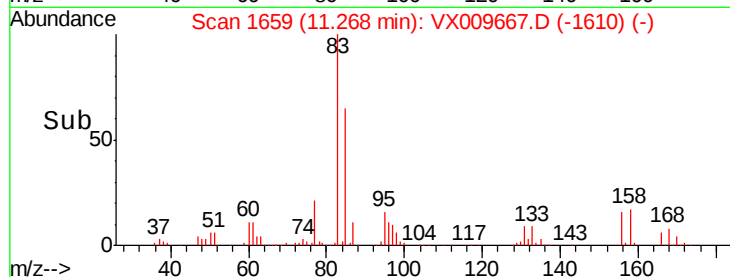
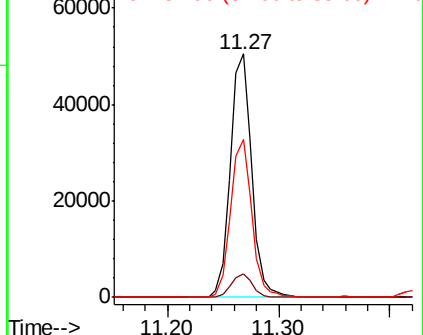
85 64.6 32.0 96.2



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: 26.718 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX009667.D

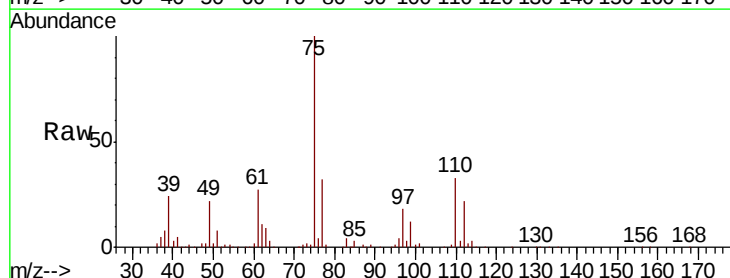
Acq: 17 May 2019 17:21

Tgt Ion: 75 Resp: 77040

Ion Ratio Lower Upper

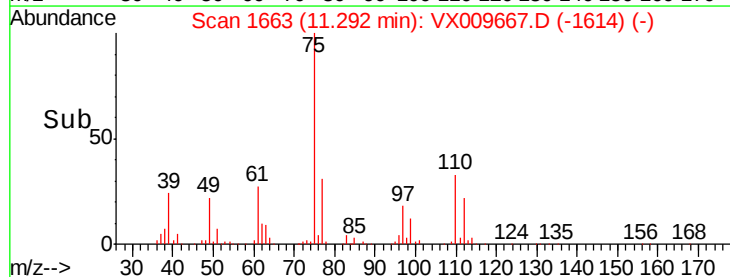
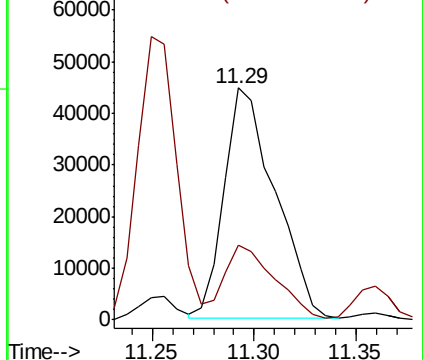
75 100

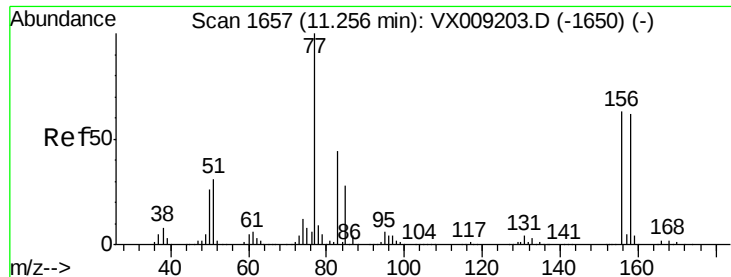
77 32.6 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.094 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS03

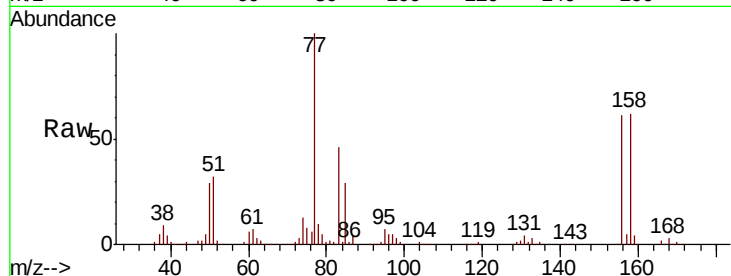
Tot Ion:156 Resp: 42840

Ion Ratio Lower Upper

156 100

77 171.1 84.8 254.3

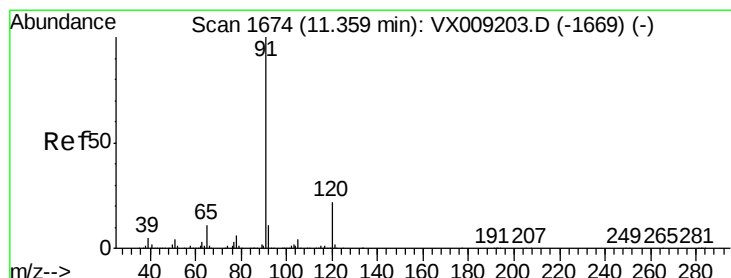
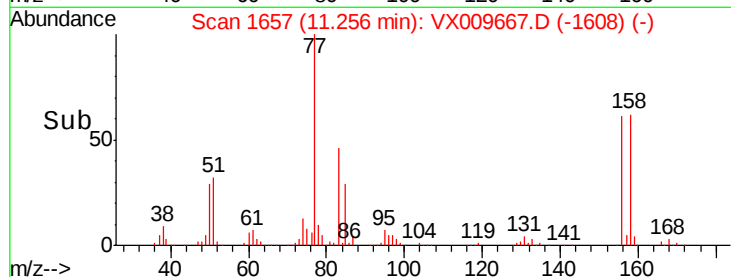
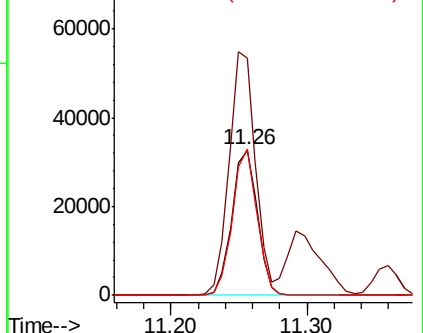
158 96.9 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.203 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009667.D

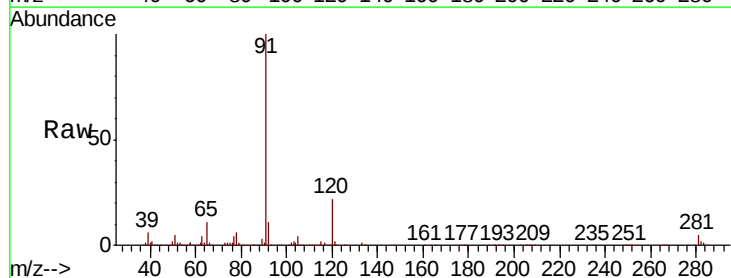
Acq: 17 May 2019 17:21

Tgt Ion: 91 Resp: 198240

Ion Ratio Lower Upper

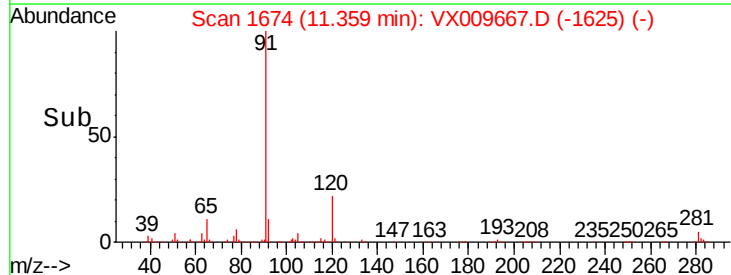
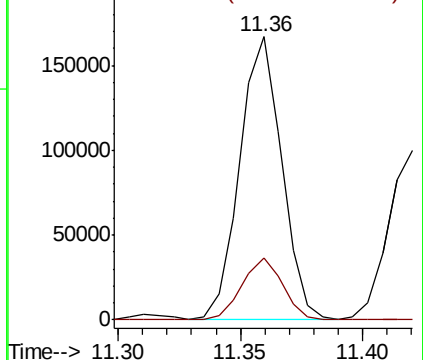
91 100

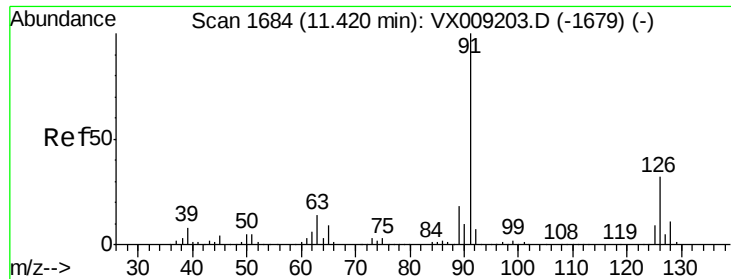
120 21.6 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

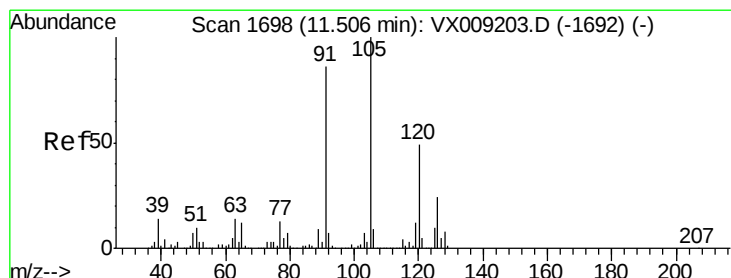
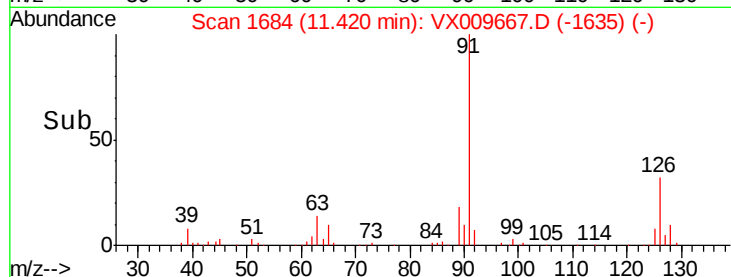
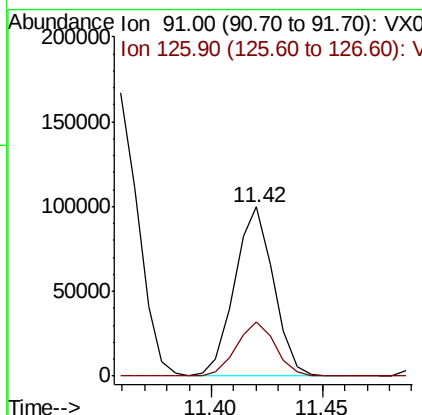
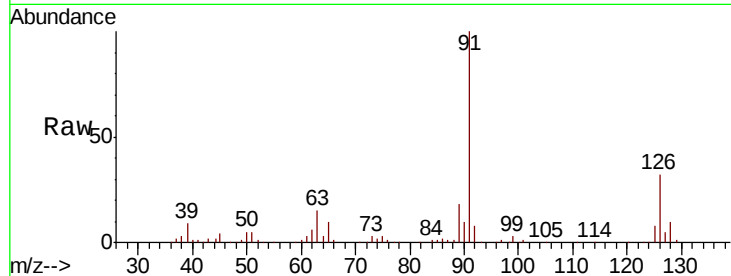




#79
 2-Chlorotoluene
 Concen: 19.071 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX009667.D
 Acq: 17 May 2019 17:21

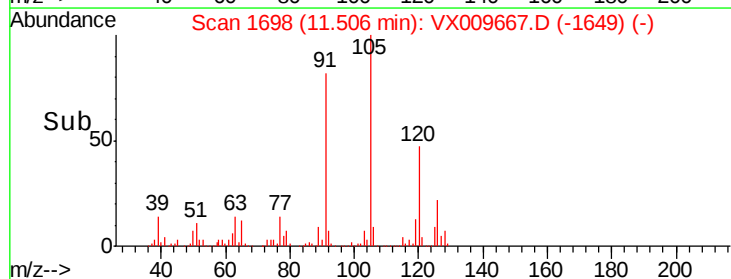
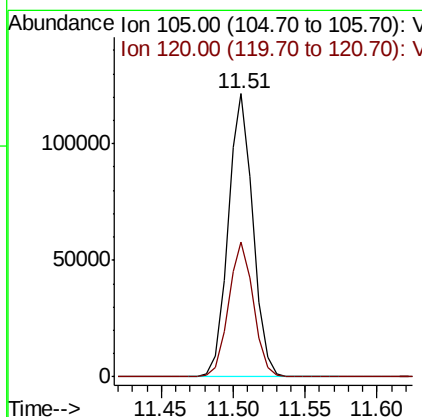
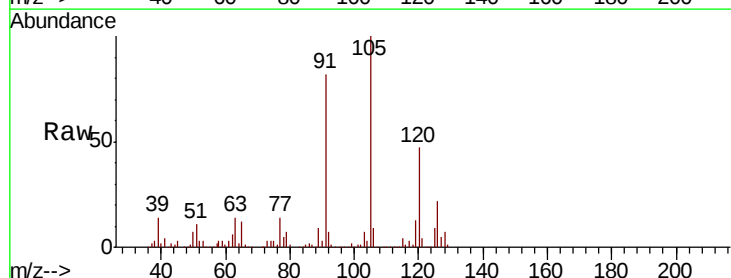
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS03

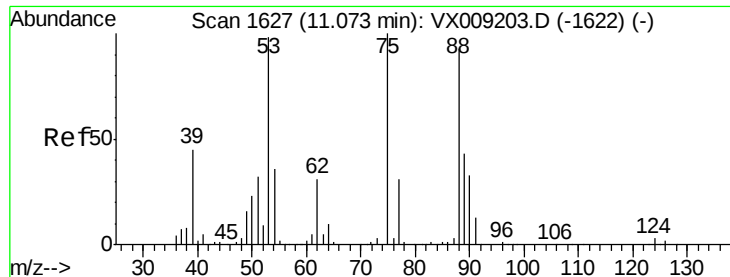
Tot Ion: 91 Resp: 121465
 Ion Ratio Lower Upper
 91 100
 126 32.3 16.3 48.9



#80
 1,3,5-Trimethylbenzene
 Concen: 19.260 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX009667.D
 Acq: 17 May 2019 17:21

Tgt Ion:105 Resp: 146592
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 18.529 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Instrument :

MSVOA_X

ClientSampled :

VX0517WBS03

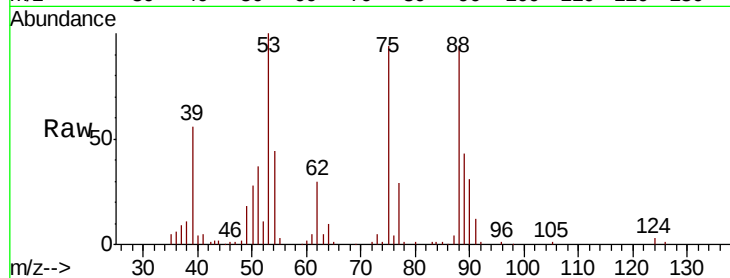
Tot Ion: 75 Resp: 20882

Ion Ratio Lower Upper

75 100

53 110.0 79.0 118.6

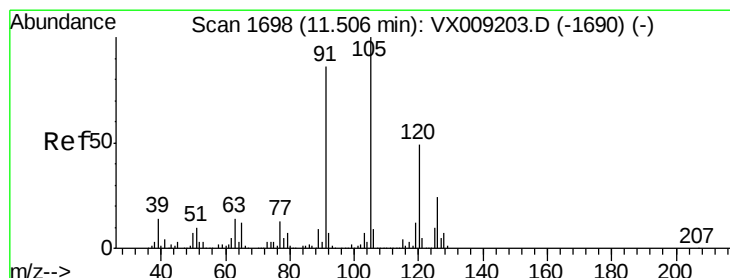
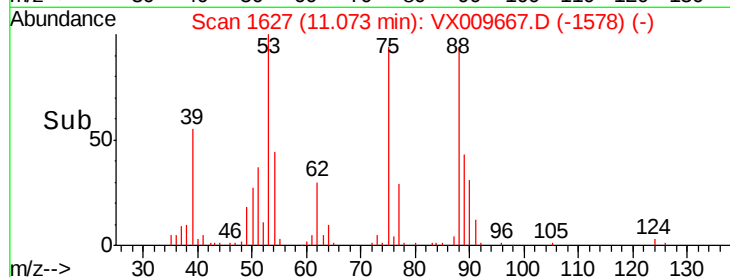
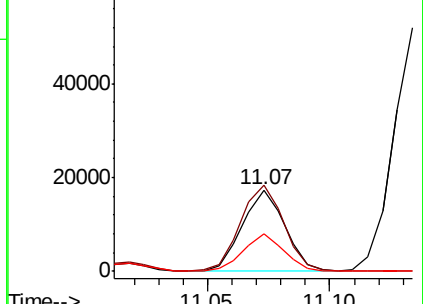
89 44.1 34.7 52.1



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: 18.912 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX009667.D

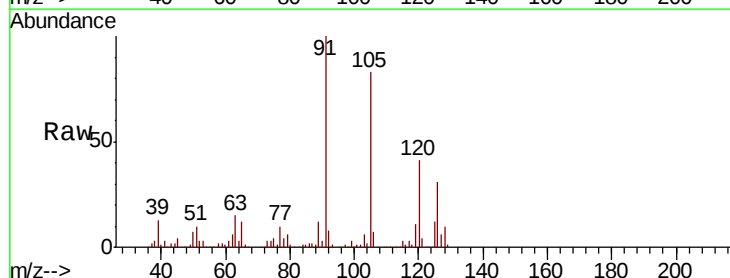
Acq: 17 May 2019 17:21

Tgt Ion: 91 Resp: 136081

Ion Ratio Lower Upper

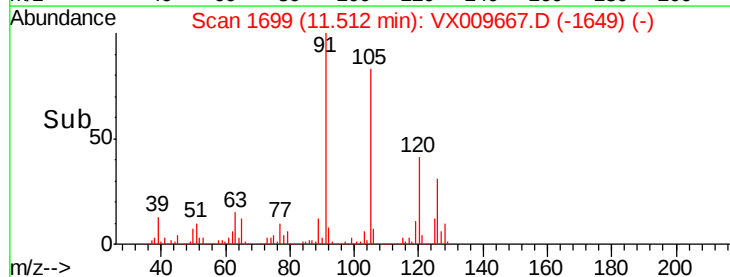
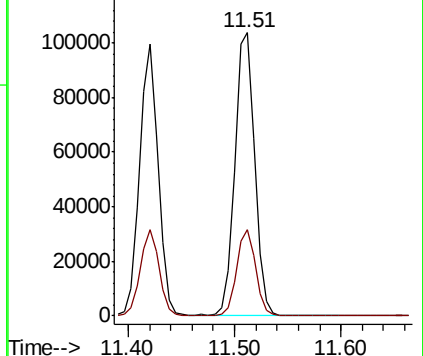
91 100

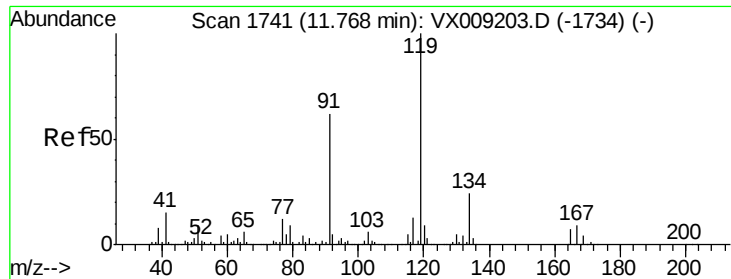
126 29.3 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

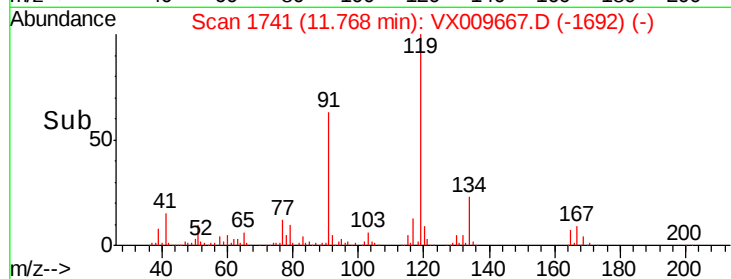
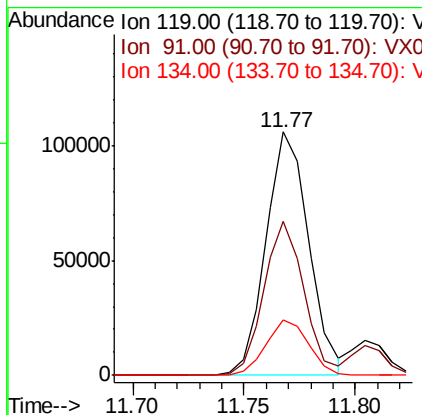
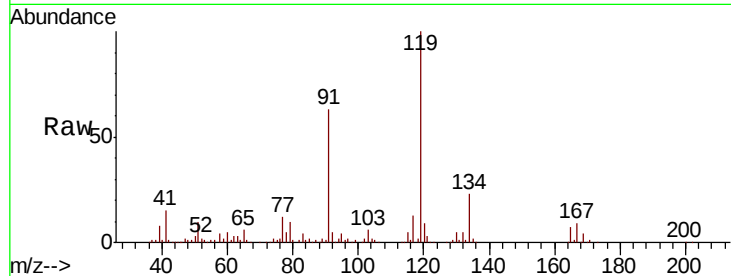




#83
 tert-Butylbenzene
 Concen: 19.045 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX009667.D
 Acq: 17 May 2019 17:21

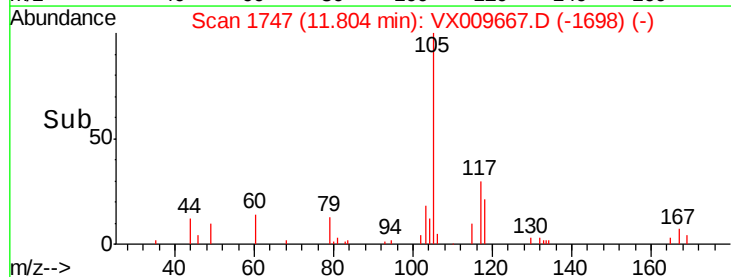
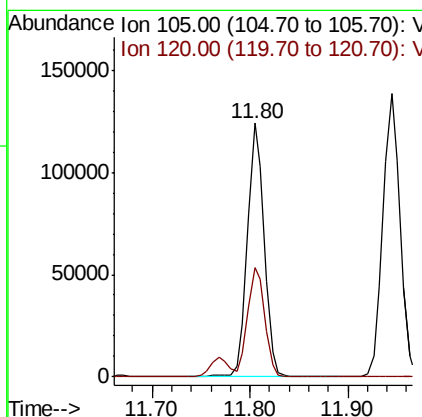
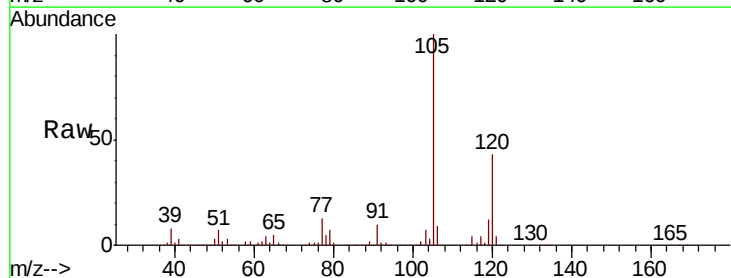
Instrument :
 MSVOA_X
 ClientSampled :
 VX0517WBS03

Tot Ion:119 Resp: 141017
 Ion Ratio Lower Upper
 119 100
 91 59.7 29.5 88.5
 134 22.7 11.4 34.1



#84
 1,2,4-Trimethylbenzene
 Concen: 19.342 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX009667.D
 Acq: 17 May 2019 17:21

Tgt Ion:105 Resp: 147770
 Ion Ratio Lower Upper
 105 100
 120 44.0 22.0 66.0





#85

sec-Butylbenzene

Concen: 19.274 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

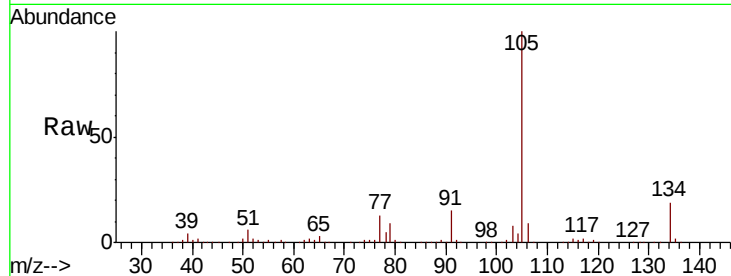
VX0517WBS03

Tot Ion:105 Resp: 169192

Ion Ratio Lower Upper

105 100

134 19.2 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

150000

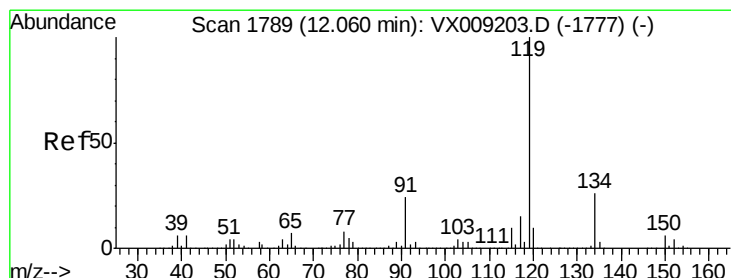
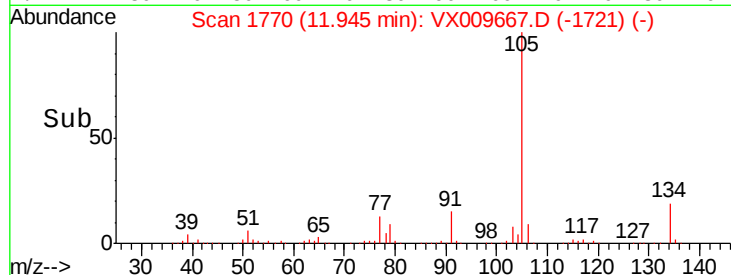
100000

50000

0

Time-->

11.90 12.00



#86

p-Isopropyltoluene

Concen: 19.365 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

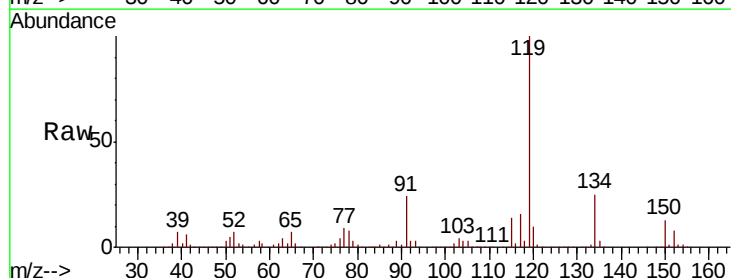
Tgt Ion:119 Resp: 152821

Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.7

91 24.2 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

12.06

150000

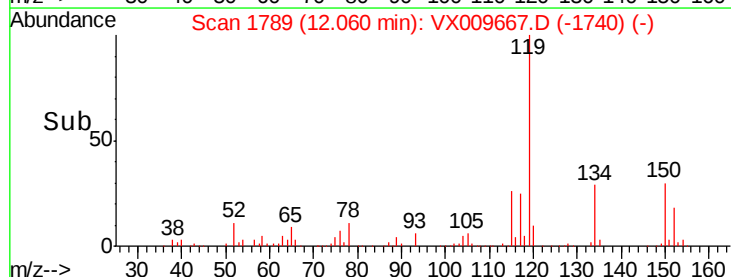
100000

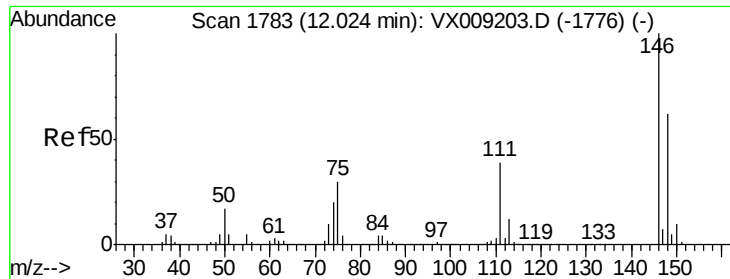
50000

0

Time-->

12.00 12.10





#87

1,3-Dichlorobenzene

Concen: 19.043 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS03

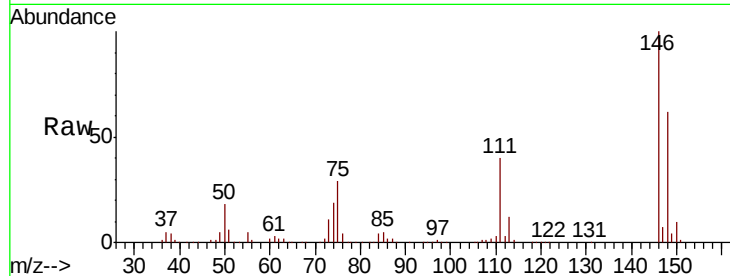
Tot Ion:146 Resp: 76166

Ion Ratio Lower Upper

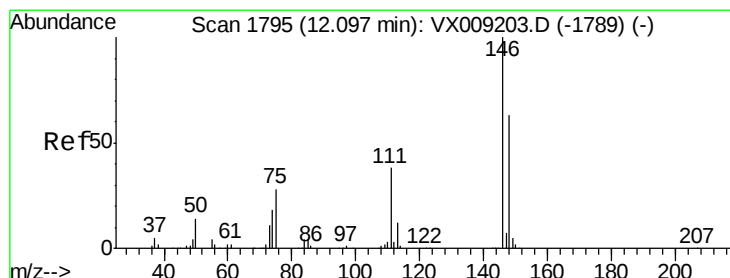
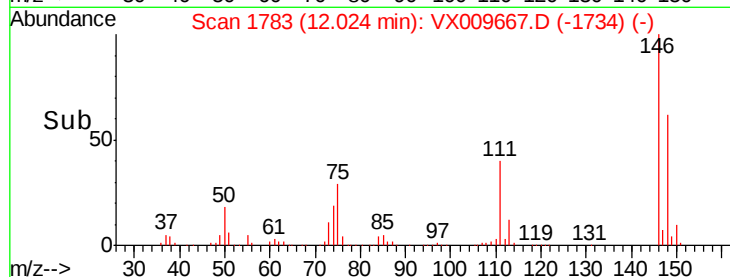
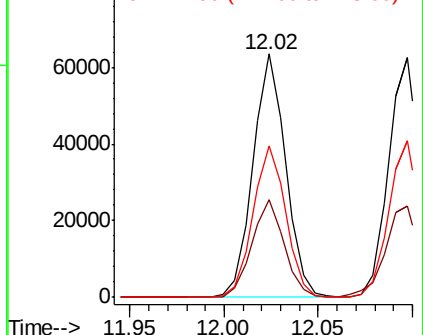
146 100

111 39.9 20.0 59.9

148 62.8 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: 18.695 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

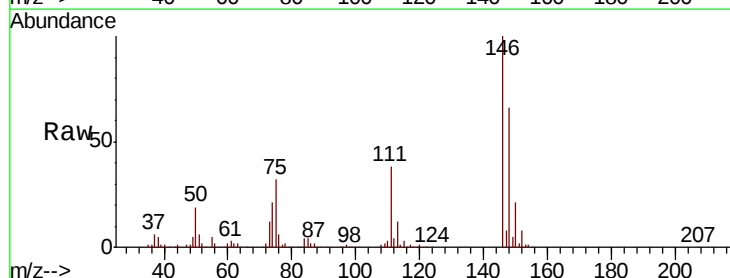
Tgt Ion:146 Resp: 75387

Ion Ratio Lower Upper

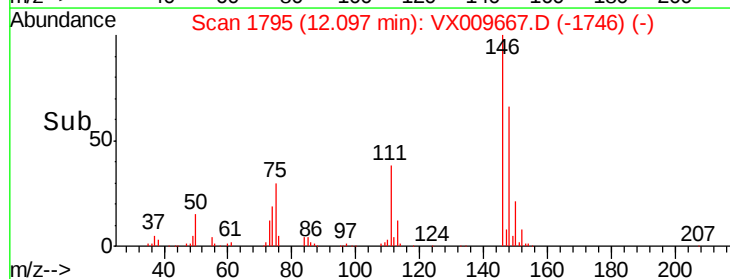
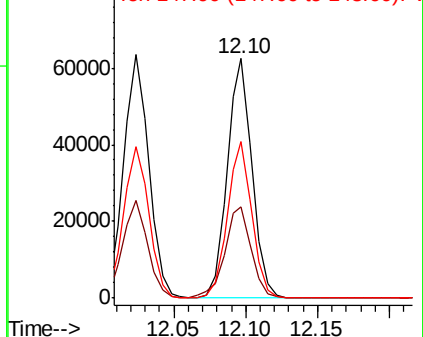
146 100

111 40.7 19.6 58.8

148 64.7 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

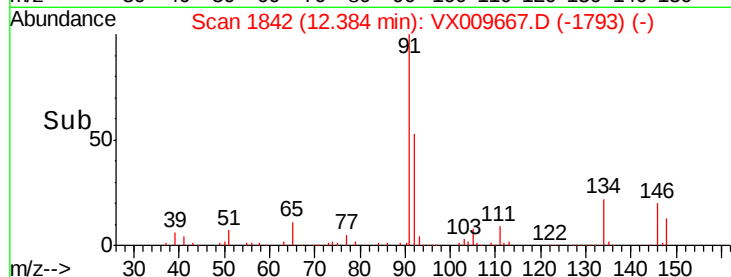
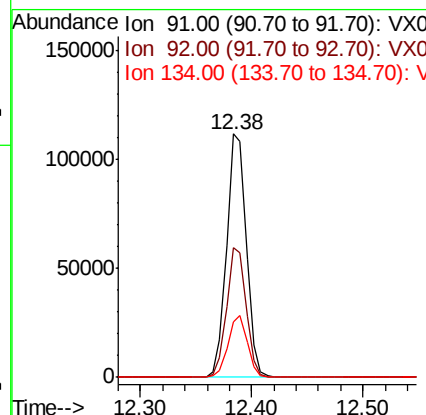
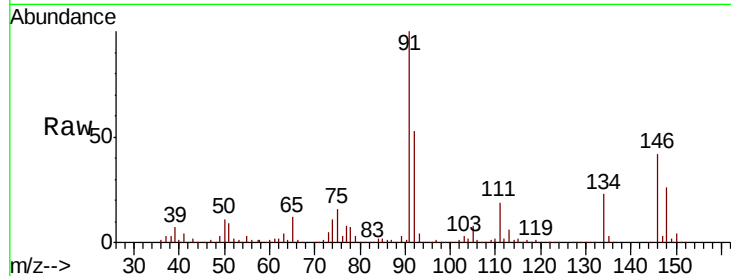




#89
n-Butylbenzene
Concen: 19.237 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

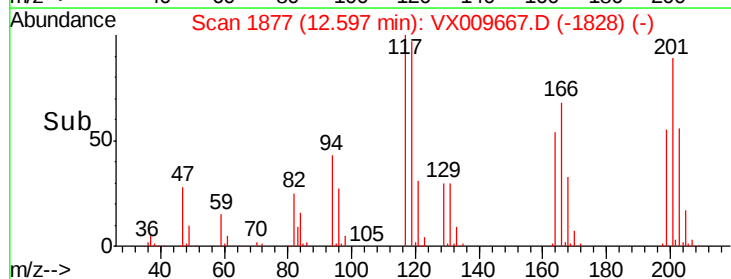
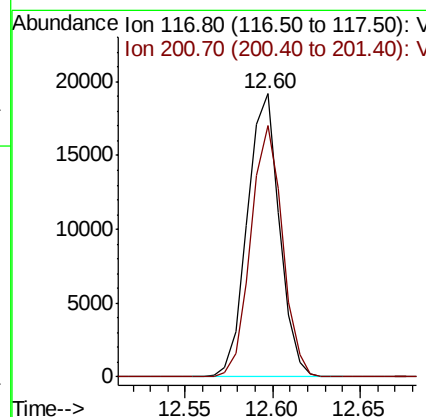
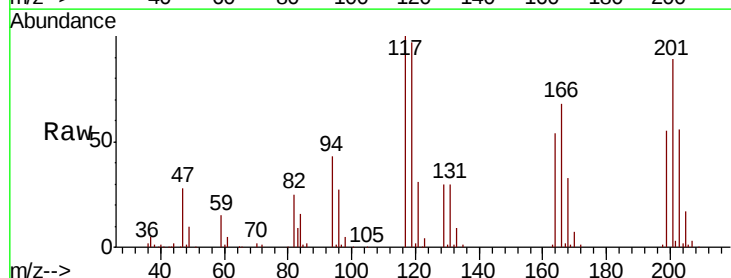
Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS03

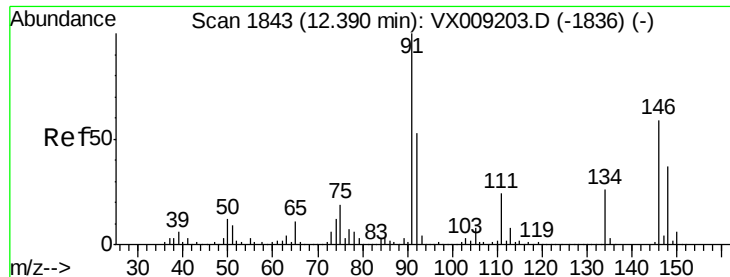
Tot Ion: 91 Resp: 137214
Ion Ratio Lower Upper
91 100
92 52.5 26.5 79.5
134 24.9 12.4 37.2



#90
Hexachloroethane
Concen: 18.222 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Tgt Ion: 117 Resp: 24499
Ion Ratio Lower Upper
117 100
201 87.5 42.3 126.9

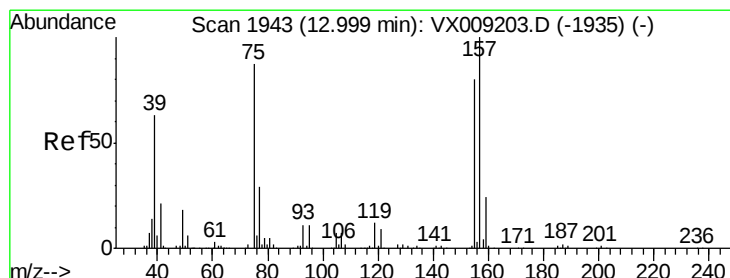
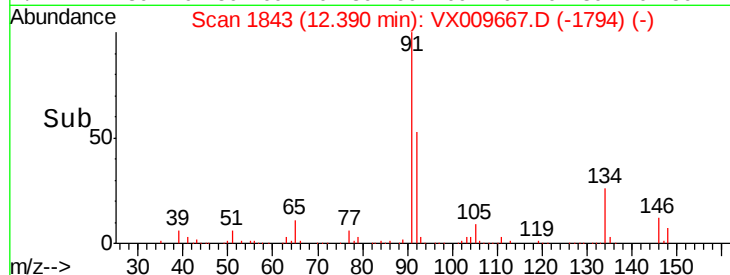
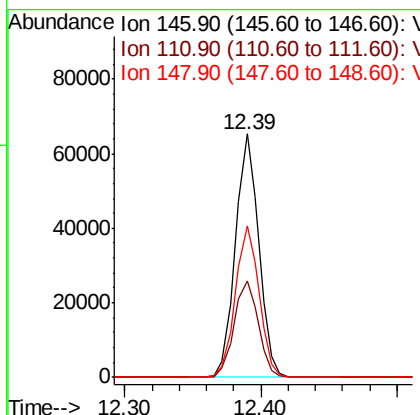
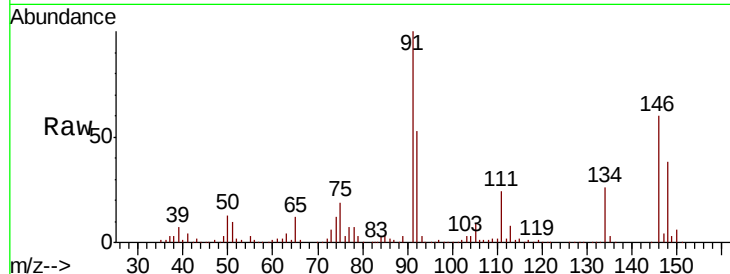




#91
 1,2-Dichlorobenzene
 Concen: 19.136 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009667.D
 Acq: 17 May 2019 17:21

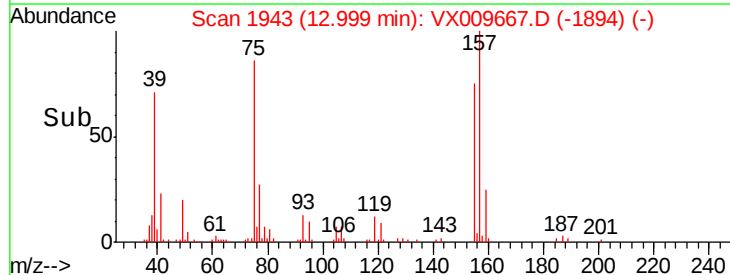
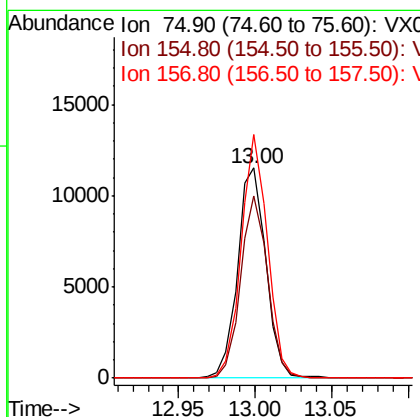
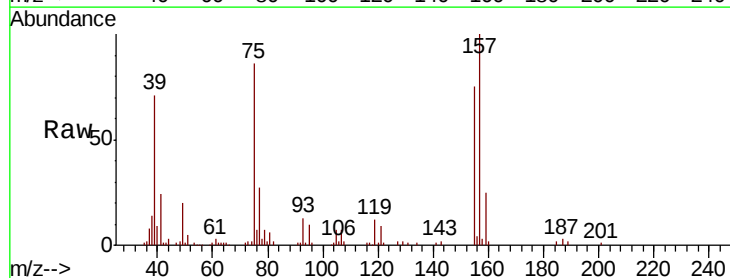
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS03

Tot Ion:146 Resp: 77957
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.8 62.4
 148 63.1 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.509 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009667.D
 Acq: 17 May 2019 17:21

Tgt Ion: 75 Resp: 14748
 Ion Ratio Lower Upper
 75 100
 155 82.4 42.0 126.0
 157 107.6 53.2 159.6

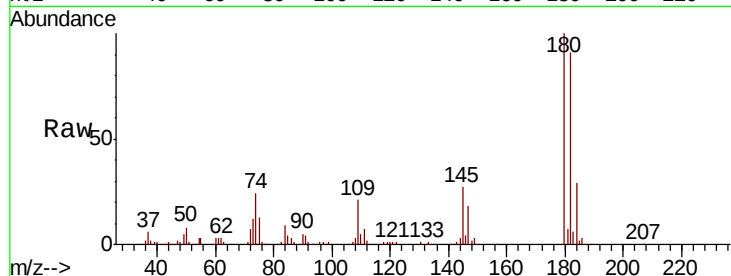




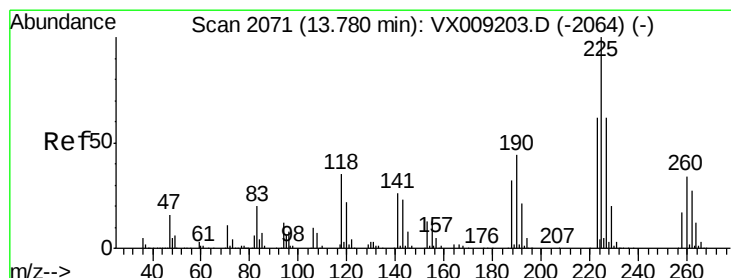
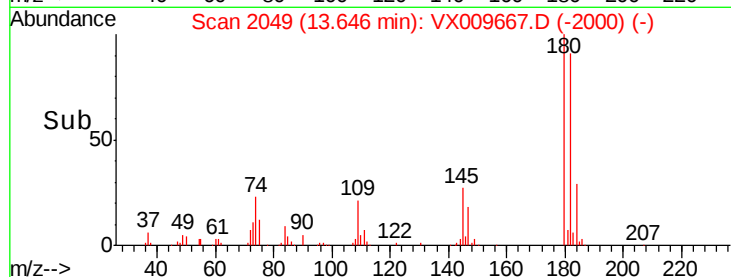
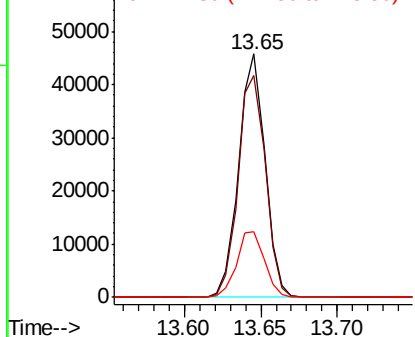
#93
 1,2,4-Trichlorobenzene
 Concen: 19.675 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009667.D
 Acq: 17 May 2019 17:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS03

Tot Ion:180 Resp: 54812
 Ion Ratio Lower Upper
 180 100
 182 94.5 48.4 145.2
 145 28.4 14.6 43.8

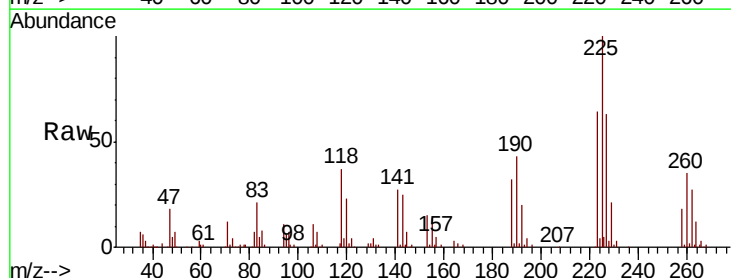


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

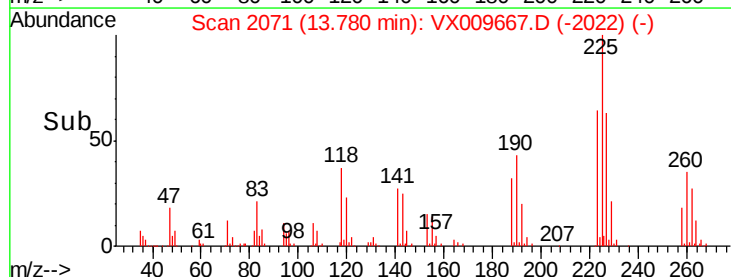
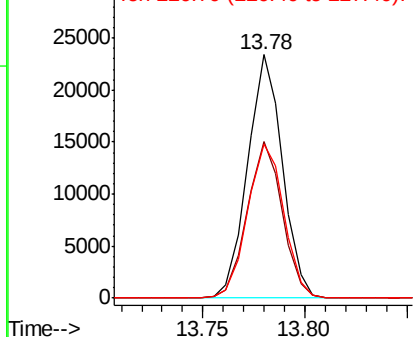


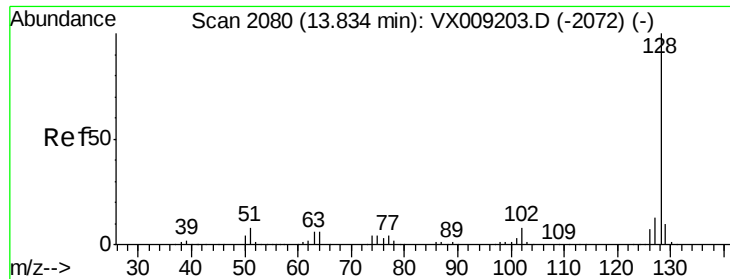
#94
 Hexachlorobutadiene
 Concen: 19.505 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009667.D
 Acq: 17 May 2019 17:21

Tgt Ion:225 Resp: 27749
 Ion Ratio Lower Upper
 225 100
 223 64.8 31.3 93.8
 227 65.8 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

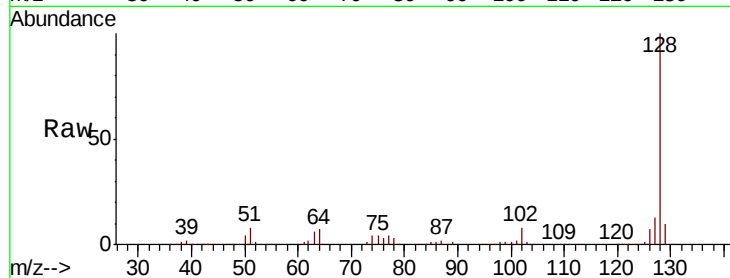




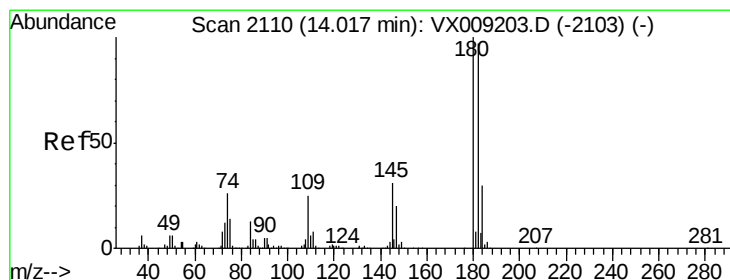
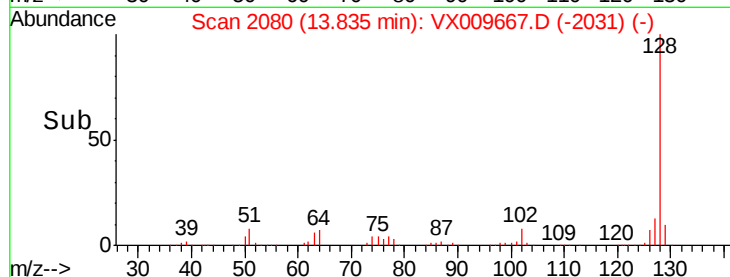
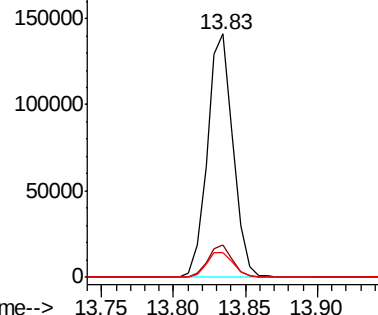
#95
Naphthalene
Concen: 19.328 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS03

Tot Ion:128 Resp: 175178
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 10.8 8.6 13.0

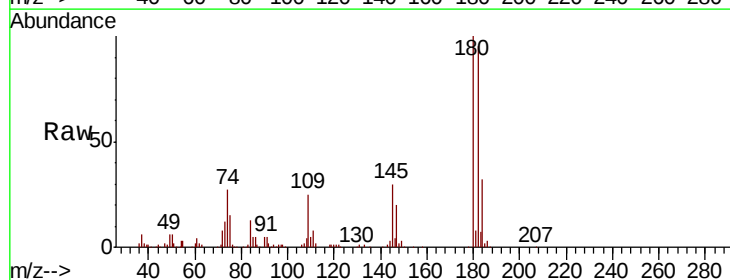


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.513 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Tgt Ion:180 Resp: 55104
Ion Ratio Lower Upper
180 100
182 94.4 47.8 143.4
145 30.3 15.4 46.4



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

