

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051719\
 Data File : VX009665.D
 Acq On : 17 May 2019 16:34
 Operator : JC/SP
 Sample : VX0517WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS02

Quant Time: May 18 04:50:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	153412	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	236980	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	213832	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	108601	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	98916	47.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.46%	
35) Dibromofluoromethane	5.49	113	72702	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
50) Toluene-d8	8.71	98	288914	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	
62) 4-Bromofluorobenzene	11.13	95	108071	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	24646	17.434	ug/l	98
3) Chloromethane	1.33	50	38658	20.029	ug/l	100
4) Vinyl Chloride	1.41	62	36756	19.529	ug/l	98
5) Bromomethane	1.64	94	24318	21.527	ug/l	98
6) Chloroethane	1.71	64	22998	19.032	ug/l	95
7) Trichlorofluoromethane	1.92	101	47371	20.706	ug/l	96
8) Diethyl Ether	2.19	74	22715	20.961	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	29880	20.798	ug/l	98
10) Methyl Iodide	2.51	142	31949	21.975	ug/l	98
11) Tert butyl alcohol	3.06	59	56075	115.674	ug/l	98
12) 1,1-Dichloroethene	2.37	96	28428	19.749	ug/l	93
13) Acrolein	2.29	56	42102	95.899	ug/l	96
14) Allyl chloride	2.73	41	69959	19.943	ug/l	98
15) Acrylonitrile	3.14	53	128799	108.664	ug/l	99
16) Acetone	2.45	43	128501	114.270	ug/l	99
17) Carbon Disulfide	2.57	76	73377	18.157	ug/l	100
18) Methyl Acetate	2.78	43	58387	21.832	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	116943	20.921	ug/l	100
20) Methylene Chloride	2.85	84	36170	19.865	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	30960	19.832	ug/l	97
22) Diisopropyl ether	3.86	45	142881	21.180	ug/l	94
23) Vinyl Acetate	3.81	43	628056	108.720	ug/l	99
24) 1,1-Dichloroethane	3.70	63	67706	20.345	ug/l	100
25) 2-Butanone	4.67	43	199320	114.061	ug/l	99
26) 2,2-Dichloropropane	4.58	77	51583	20.824	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	37972	20.379	ug/l	99
28) Bromochloromethane	5.01	49	21292	13.915	ug/l	96
29) Tetrahydrofuran	5.13	42	127445	113.335	ug/l	99
30) Chloroform	5.21	83	63398	21.063	ug/l	98
31) Cyclohexane	5.57	56	62580	20.212	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	50724	20.244	ug/l	99
36) 1,1-Dichloropropene	5.80	75	46317	21.031	ug/l	99
37) Ethyl Acetate	4.84	43	72103	23.498	ug/l	99
38) Carbon Tetrachloride	5.78	117	42300	21.140	ug/l	94

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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	57423	21.231	ug/l	97
40) Benzene	6.14	78	144097	21.142	ug/l	100
41) Methacrylonitrile	5.04	41	39714	21.743	ug/l	96
42) 1,2-Dichloroethane	6.20	62	52874	21.626	ug/l	100
43) Isopropyl Acetate	6.45	43	109780	22.367	ug/l	100
44) Trichloroethene	7.21	130	34488	20.931	ug/l	97
45) 1,2-Dichloropropane	7.51	63	42437	21.989	ug/l	96
46) Dibromomethane	7.66	93	23525	20.991	ug/l	98
47) Bromodichloromethane	7.90	83	47884	21.419	ug/l	96
48) Methyl methacrylate	7.77	41	55620	22.841	ug/l	98
49) 1,4-Dioxane	7.74	88	22912	463.972	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	375883	117.168	ug/l	99
52) Toluene	8.78	92	89240	21.540	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	54449	21.573	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	60377	21.612	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	37648	22.273	ug/l	99
56) Ethyl methacrylate	9.18	69	66862	22.160	ug/l	99
57) 1,3-Dichloropropane	9.37	76	64505	21.686	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	137031	85.611	ug/l	100
59) 2-Hexanone	9.49	43	302244	119.959	ug/l	98
60) Dibromochloromethane	9.58	129	35423	21.457	ug/l	99
61) 1,2-Dibromoethane	9.67	107	37233	21.822	ug/l	98
64) Tetrachloroethene	9.34	164	31654	21.580	ug/l	98
65) Chlorobenzene	10.14	112	92463	21.616	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	32983	21.268	ug/l	99
67) Ethyl Benzene	10.25	91	170388	21.644	ug/l	98
68) m/p-Xylenes	10.36	106	126548	43.989	ug/l	99
69) o-Xylene	10.70	106	61383	21.626	ug/l	98
70) Styrene	10.71	104	107330	21.756	ug/l	98
71) Bromoform	10.85	173	26315	20.881	ug/l #	99
73) Isopropylbenzene	11.02	105	167438	21.202	ug/l	99
74) N-amyl acetate	10.90	43	98652	21.426	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	63206	21.469	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	71299	28.303	ug/l	84
77) Bromobenzene	11.26	156	41235	21.037	ug/l	100
78) n-propylbenzene	11.36	91	191635	21.248	ug/l	100
79) 2-Chlorotoluene	11.42	91	114296	20.541	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	142983	21.503	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	19587	19.894	ug/l	91
82) 4-Chlorotoluene	11.51	91	132663	21.104	ug/l	100
83) tert-Butylbenzene	11.77	119	136343	21.077	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	142138	21.296	ug/l	99
85) sec-Butylbenzene	11.94	105	164410	21.438	ug/l	100
86) p-Isopropyltoluene	12.06	119	148729	21.572	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	73531	21.043	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	75018	21.294	ug/l	99
89) n-Butylbenzene	12.38	91	135943	21.816	ug/l	99
90) Hexachloroethane	12.60	117	23723	20.197	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	75124	21.107	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14551	22.033	ug/l	97

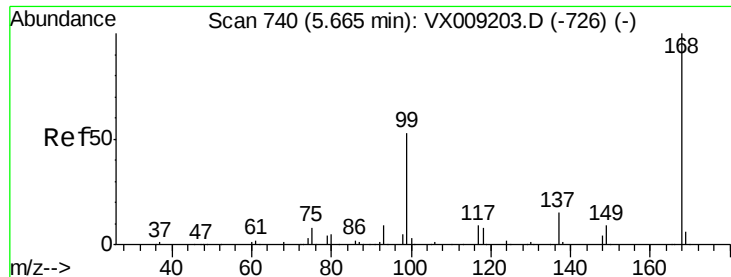
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051719\
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Quant Time: May 18 04:50:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	53579	22.014	ug/l	99
94) Hexachlorobutadiene	13.78	225	28118	22.623	ug/l	99
95) Naphthalene	13.83	128	171643	21.677	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	53921	21.856	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

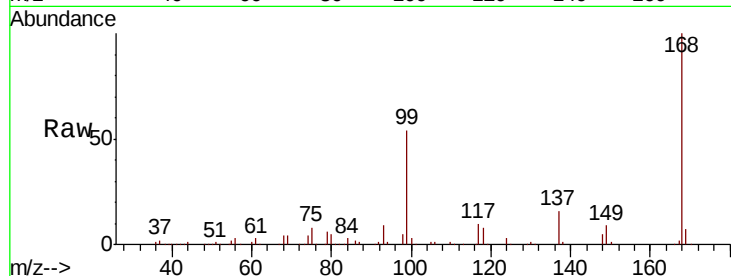
VX0517WBS02

Tot Ion:168 Resp: 153412

Ion Ratio Lower Upper

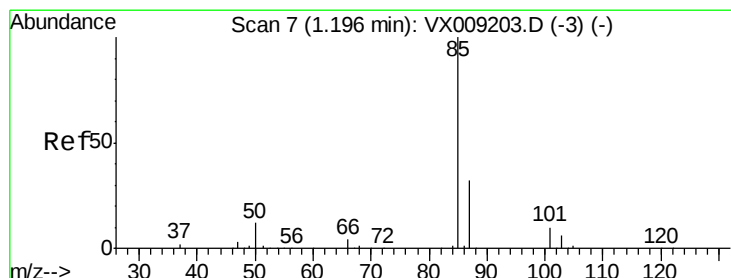
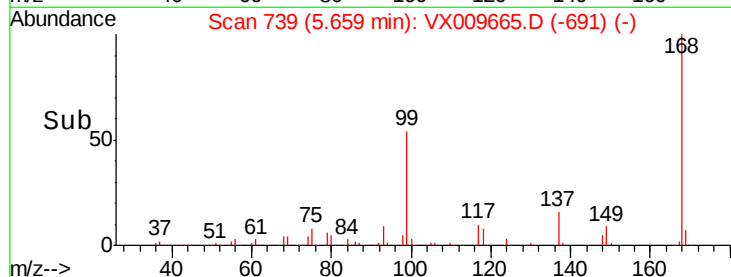
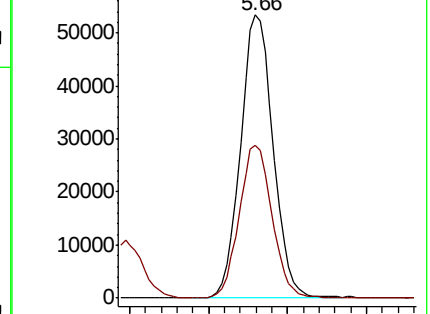
168 100

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



#2

Dichlorodifluoromethane

Concen: 17.434 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009665.D

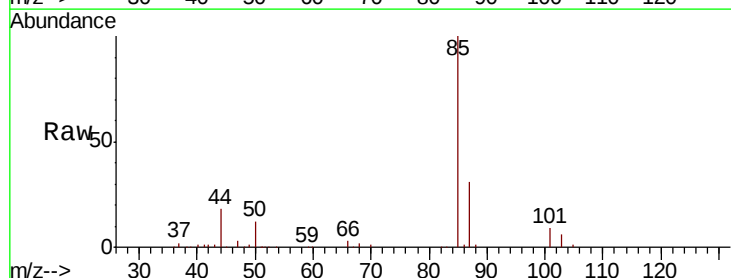
Acq: 17 May 2019 16:34

Tgt Ion: 85 Resp: 24646

Ion Ratio Lower Upper

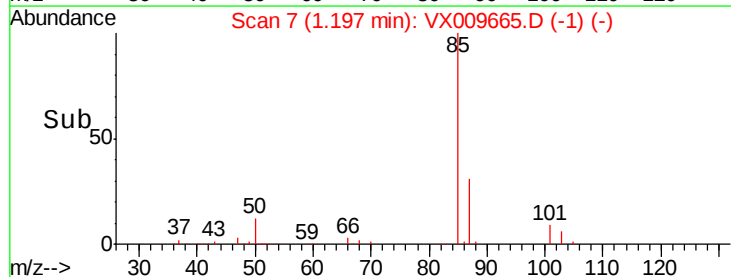
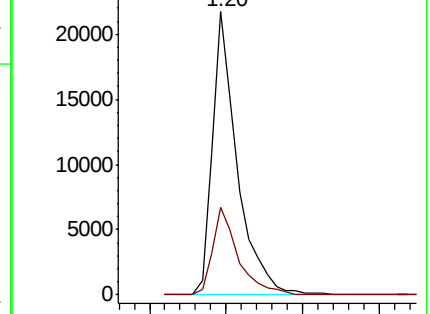
85 100

87 30.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 20.029 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

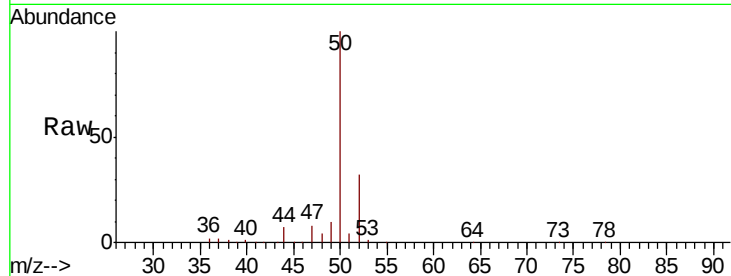
VX0517WBS02

Tot Ion: 50 Resp: 38658

Ion Ratio Lower Upper

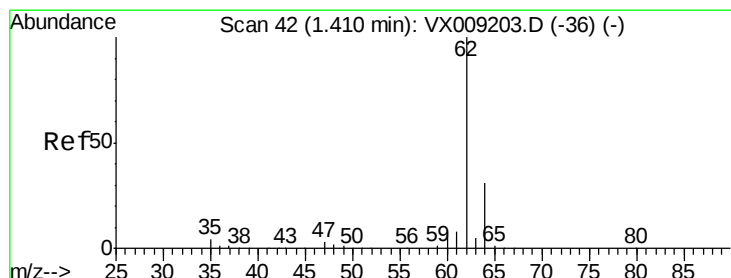
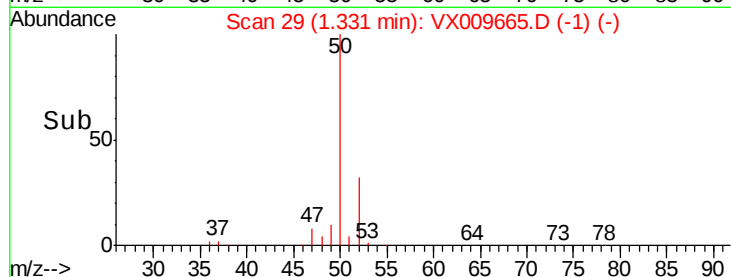
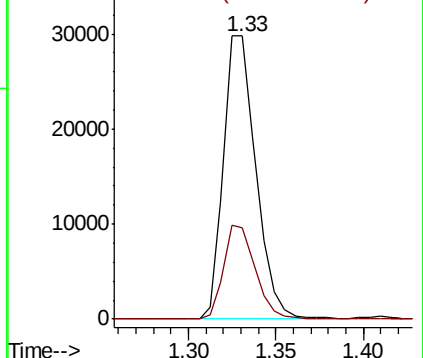
50 100

52 32.2 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: 19.529 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009665.D

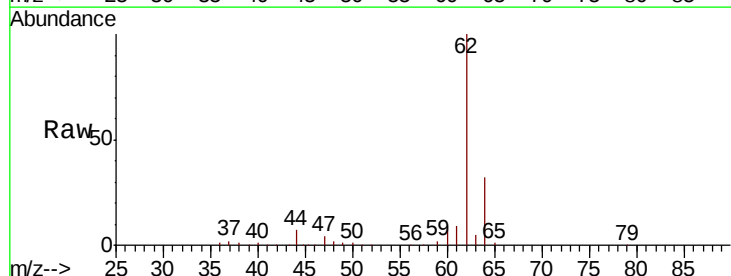
Acq: 17 May 2019 16:34

Tgt Ion: 62 Resp: 36756

Ion Ratio Lower Upper

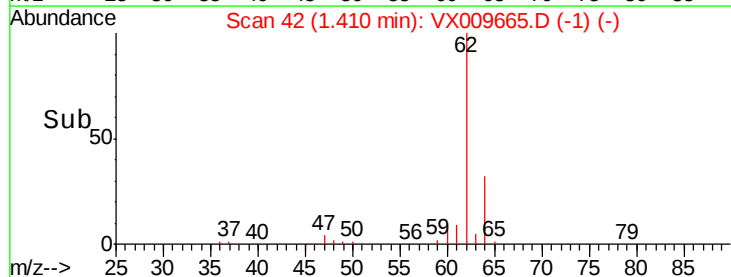
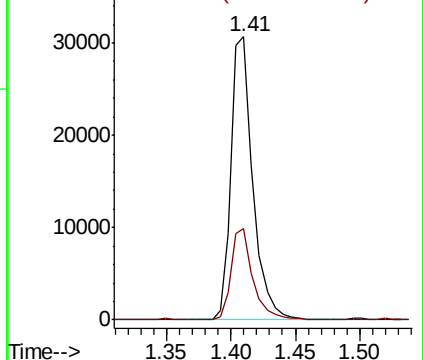
62 100

64 31.9 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: 21.527 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

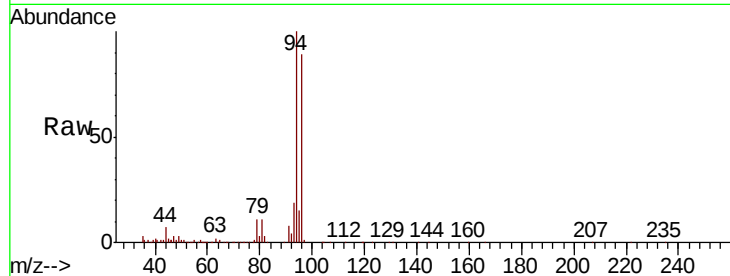
VX0517WBS02

Tot Ion: 94 Resp: 24318

Ion Ratio Lower Upper

94 100

96 89.0 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

25000

20000

15000

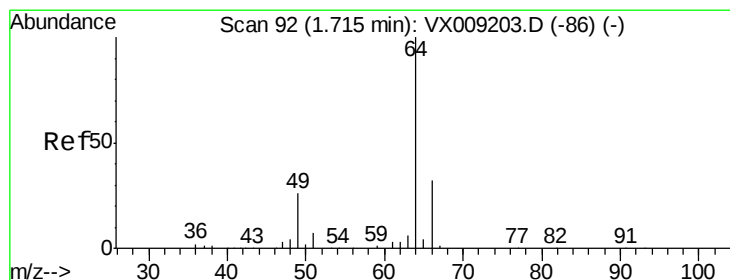
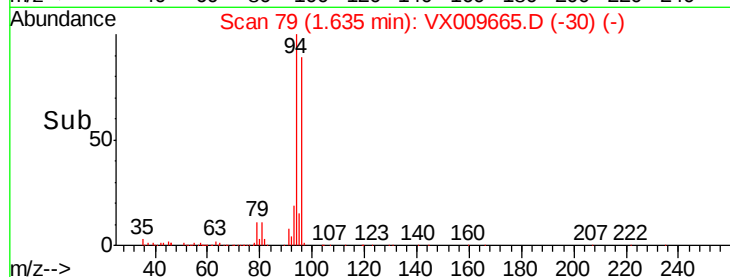
10000

5000

0

Time-->

1.60 1.65 1.70



#6

Chloroethane

Concen: 19.032 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX009665.D

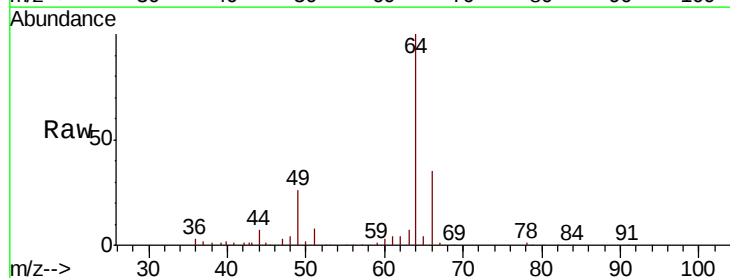
Acq: 17 May 2019 16:34

Tgt Ion: 64 Resp: 22998

Ion Ratio Lower Upper

64 100

66 34.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

15000

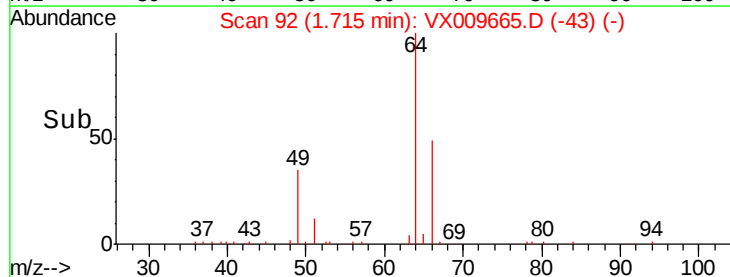
10000

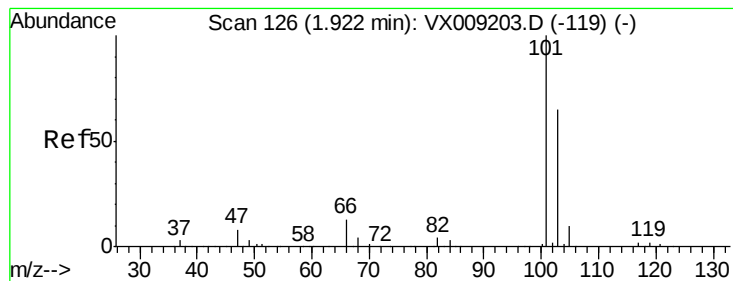
5000

0

Time-->

1.65 1.70 1.75 1.80



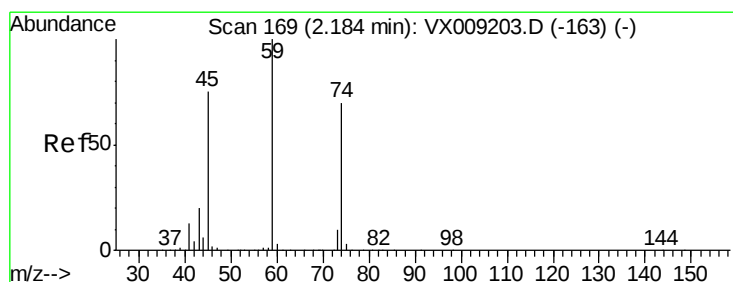
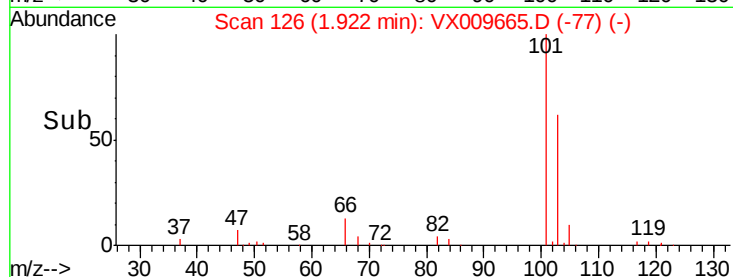
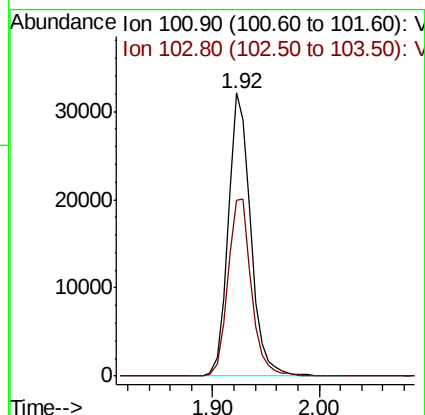
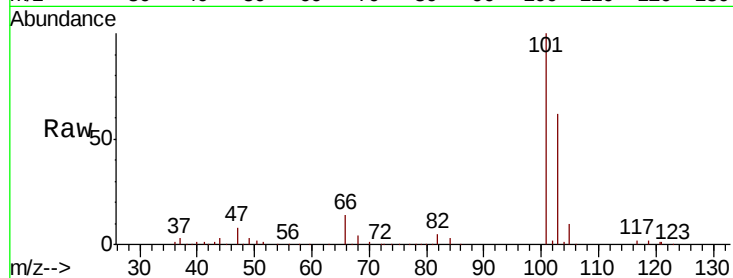


#7

Trichlorofluoromethane
 Concen: 20.706 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX009665.D
 Acq: 17 May 2019 16:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS02

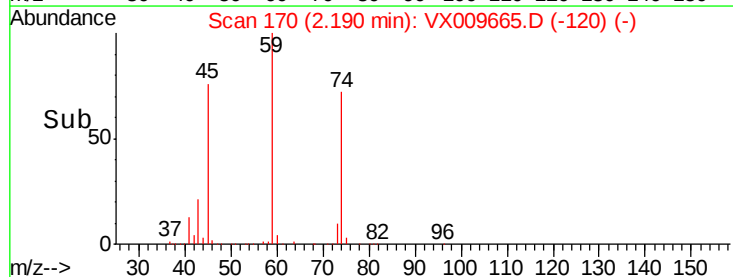
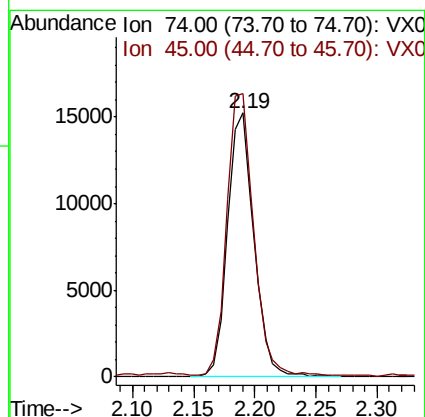
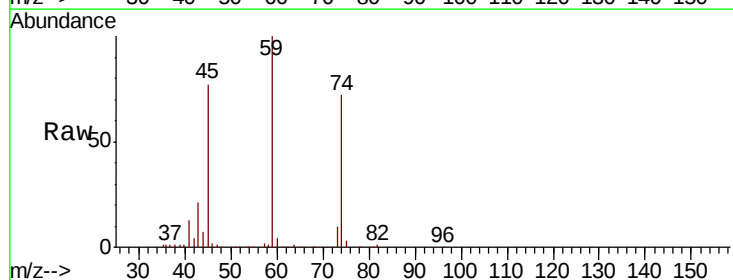
Tot Ion:101 Resp: 47371
 Ion Ratio Lower Upper
 101 100
 103 61.9 52.4 78.6



#8

Diethyl Ether
 Concen: 20.961 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009665.D
 Acq: 17 May 2019 16:34

Tgt Ion: 74 Resp: 22715
 Ion Ratio Lower Upper
 74 100
 45 107.7 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.798 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS02

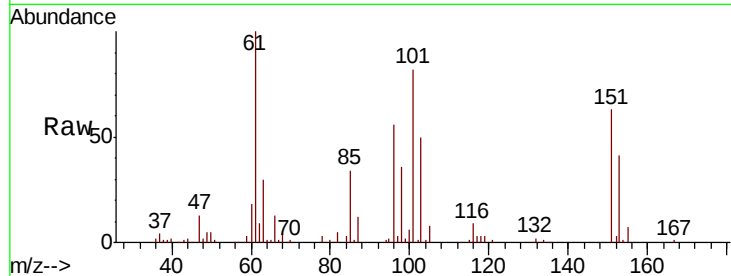
Tot Ion:101 Resp: 29880

Ion Ratio Lower Upper

101 100

85 44.1 35.7 53.5

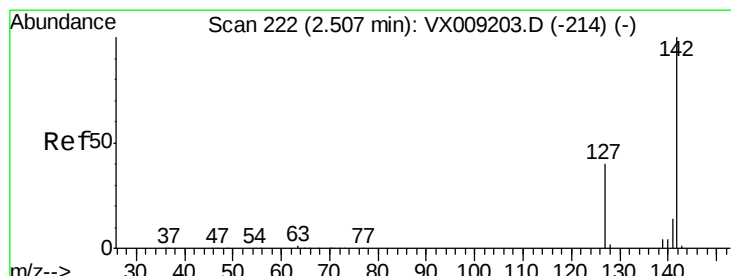
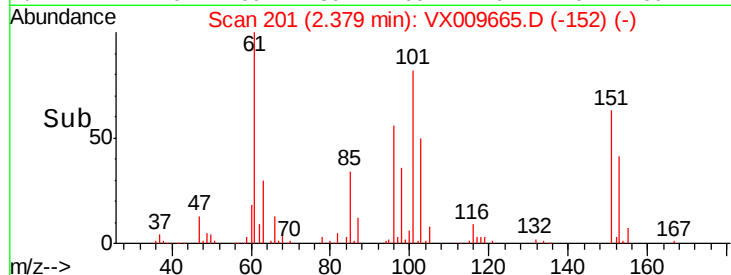
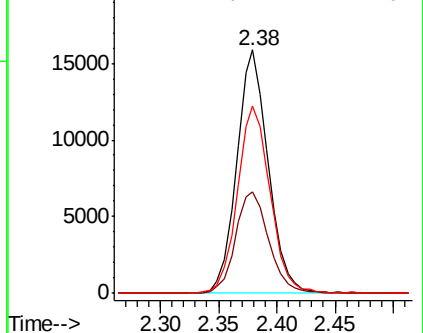
151 80.1 62.2 93.2



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: 21.975 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

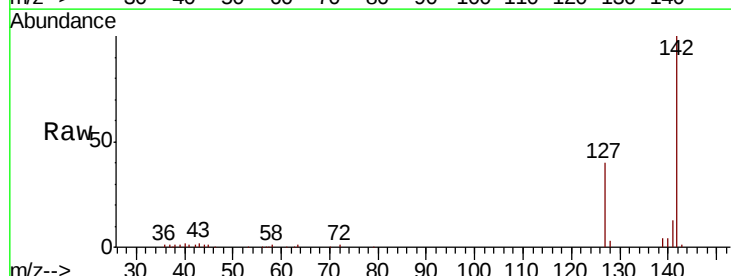
Tgt Ion:142 Resp: 31949

Ion Ratio Lower Upper

142 100

127 42.3 32.7 49.1

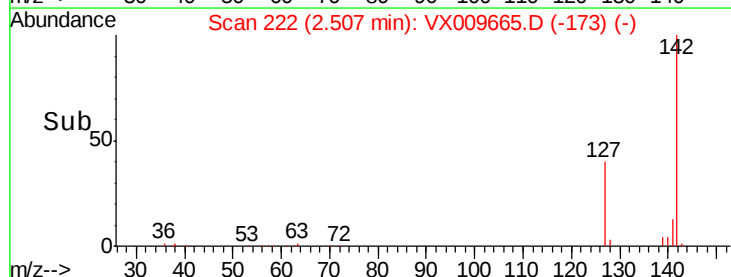
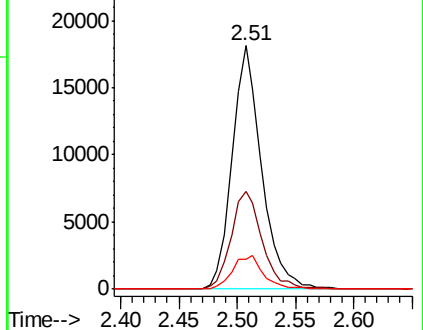
141 14.4 11.5 17.3

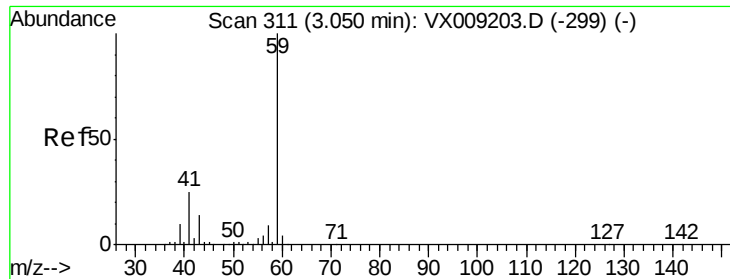


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

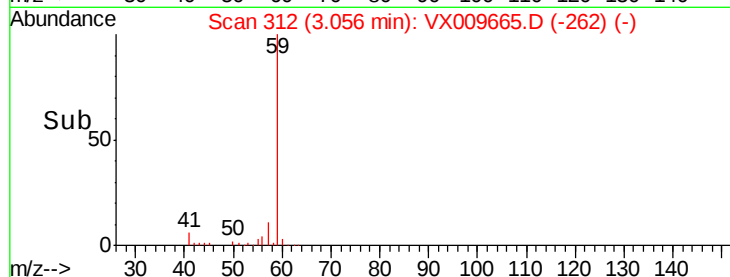
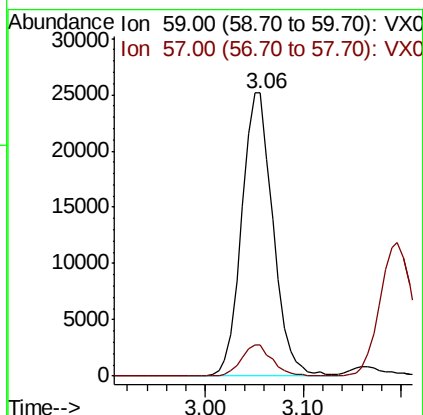
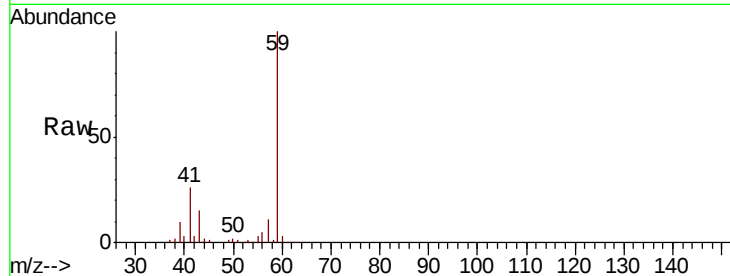




#11
Tert butyl alcohol
Concen: 115.674 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

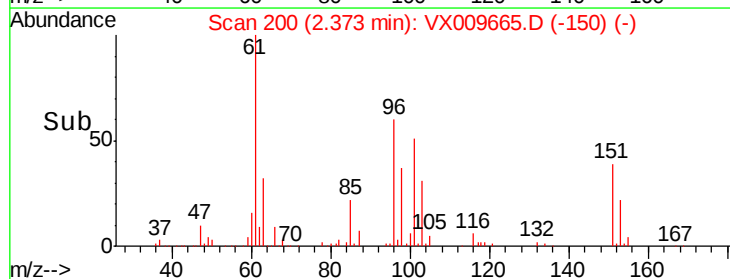
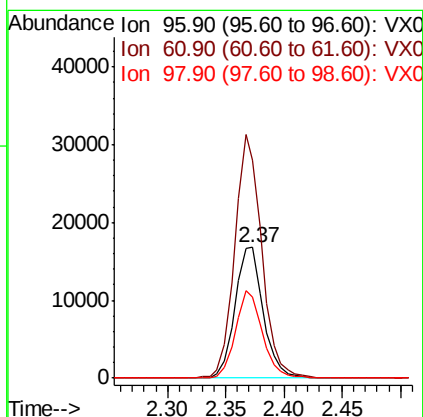
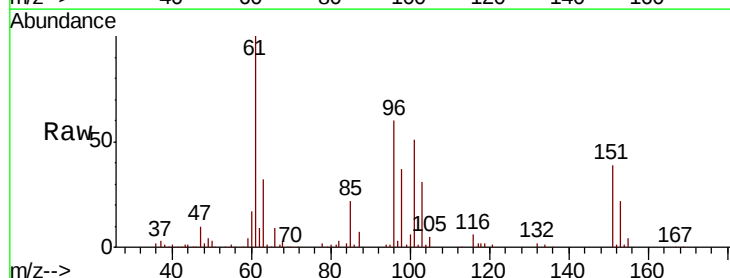
Instrument :
MSVOA_X
ClientSampled :
VX0517WBS02

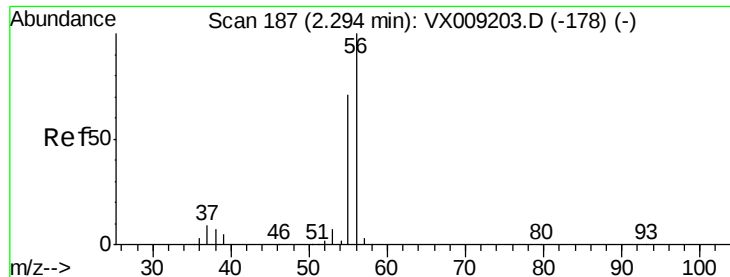
Tot Ion: 59 Resp: 56075
Ion Ratio Lower Upper
59 100
57 11.1 8.2 12.2



#12
1,1-Dichloroethene
Concen: 19.749 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Tgt Ion: 96 Resp: 28428
Ion Ratio Lower Upper
96 100
61 167.0 144.3 216.5
98 62.3 50.3 75.5





#13

Acrolein

Concen: 95.899 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

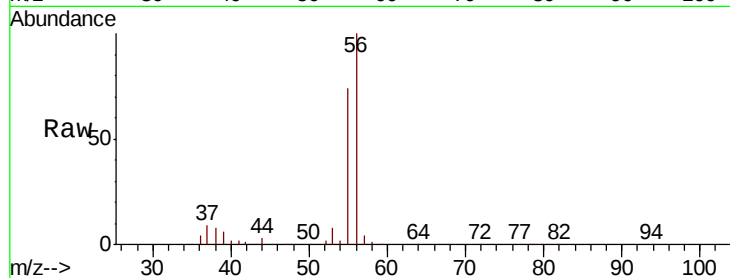
VX0517WBS02

Tot Ion: 56 Resp: 42102

Ion Ratio Lower Upper

56 100

55 74.1 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

30000

25000

20000

15000

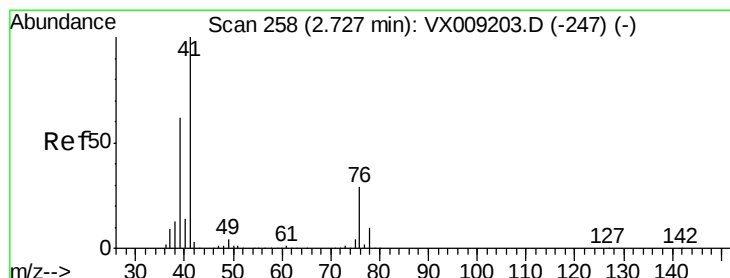
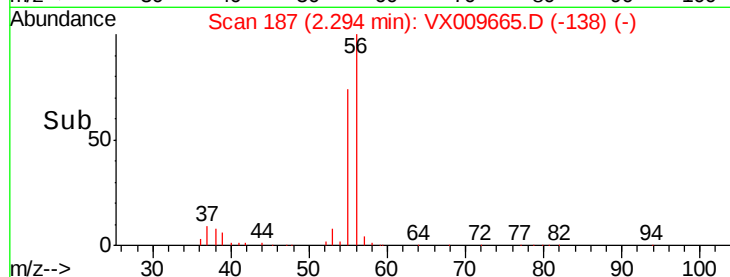
10000

5000

0

Time-->

2.20 2.25 2.30 2.35 2.40



#14

Allyl chloride

Concen: 19.943 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

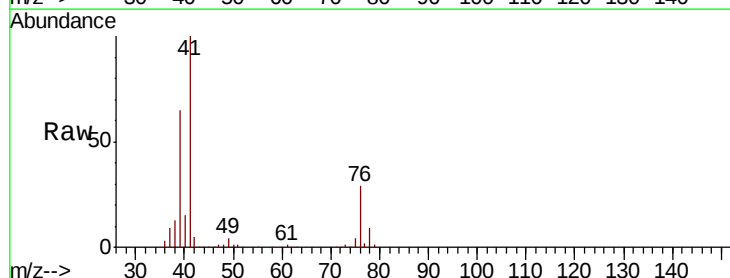
Tgt Ion: 41 Resp: 69959

Ion Ratio Lower Upper

41 100

39 60.3 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

40000

30000

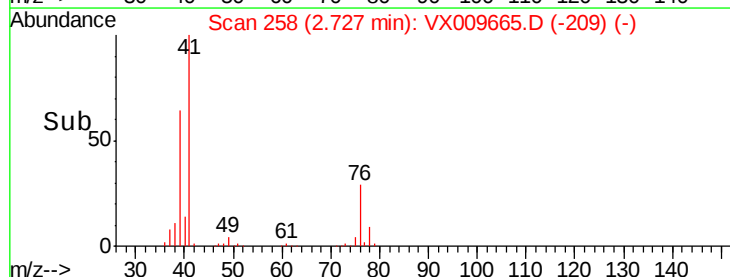
20000

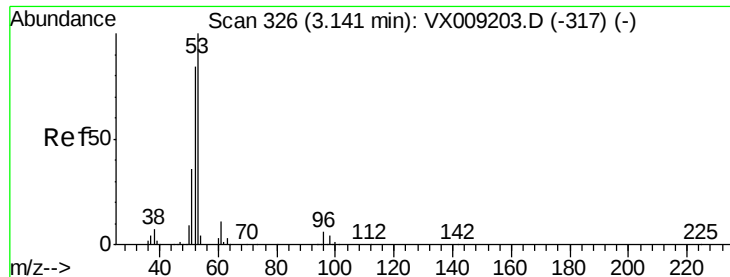
10000

0

Time-->

2.60 2.70 2.80





#15

Acrylonitrile

Concen: 108.664 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS02

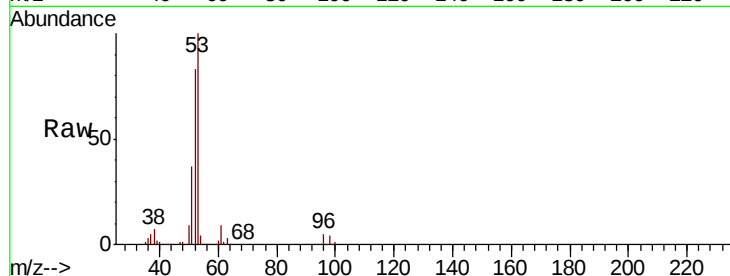
Tot Ion: 53 Resp: 128799

Ion Ratio Lower Upper

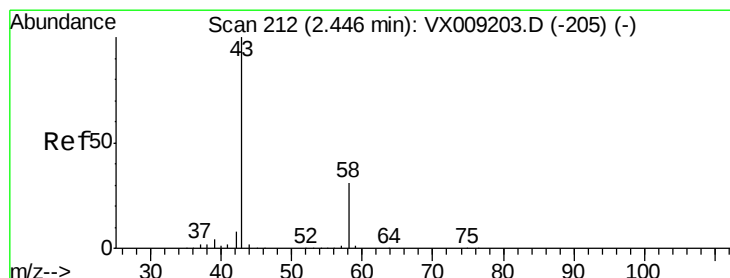
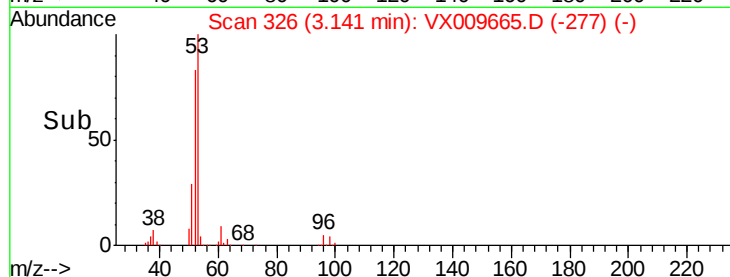
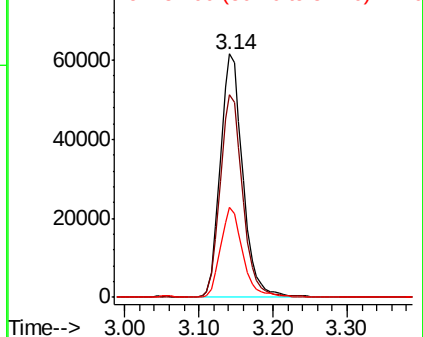
53 100

52 83.9 66.9 100.3

51 36.7 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: 114.270 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009665.D

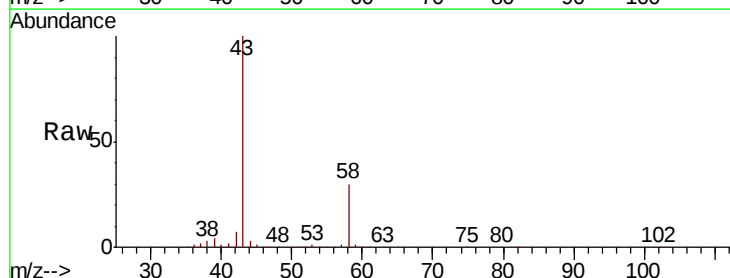
Acq: 17 May 2019 16:34

Tgt Ion: 43 Resp: 128501

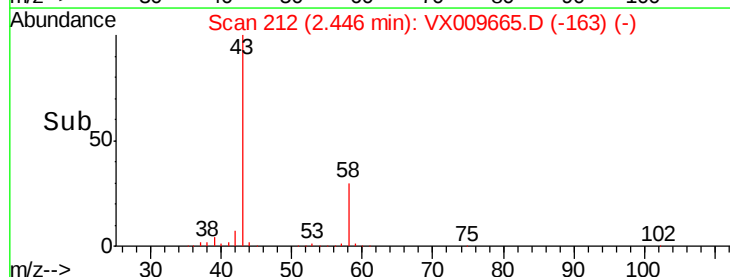
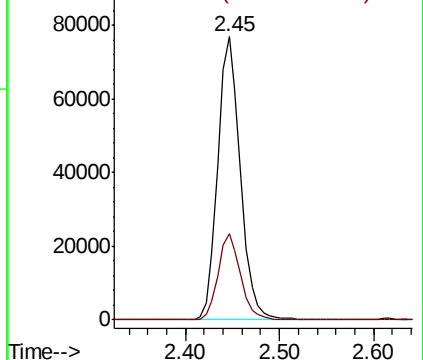
Ion Ratio Lower Upper

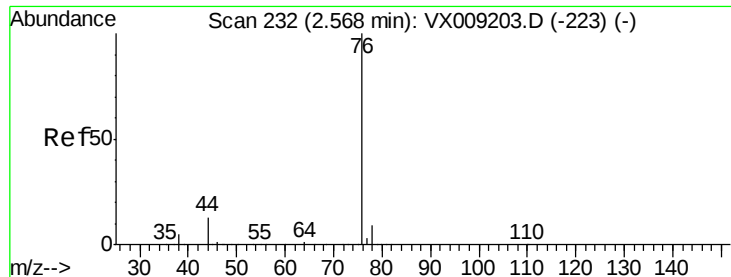
43 100

58 30.3 24.9 37.3



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

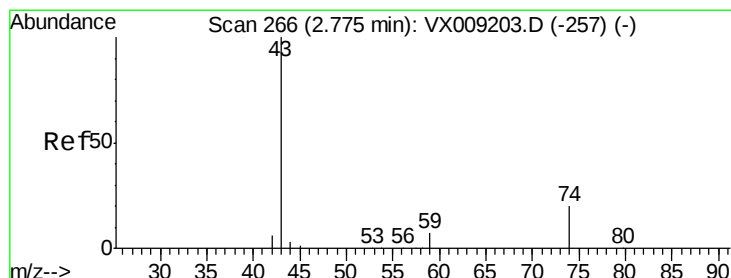
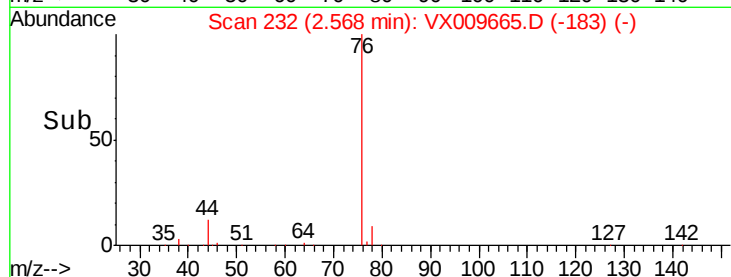
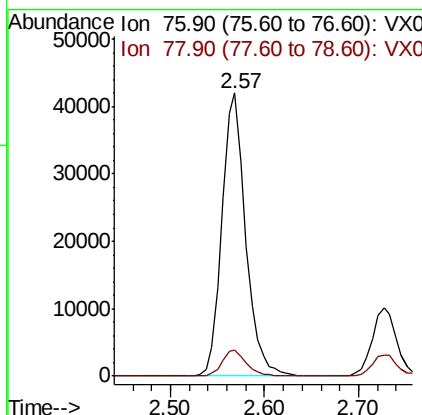
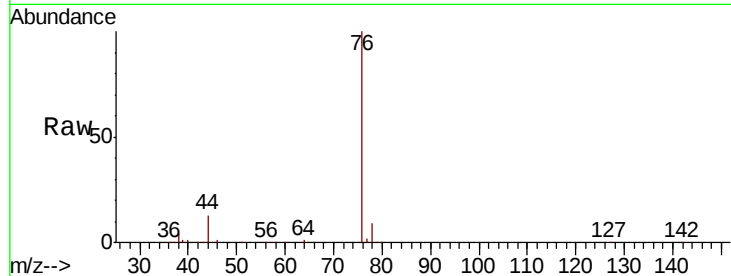




#17
Carbon Disulfide
Concen: 18.157 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

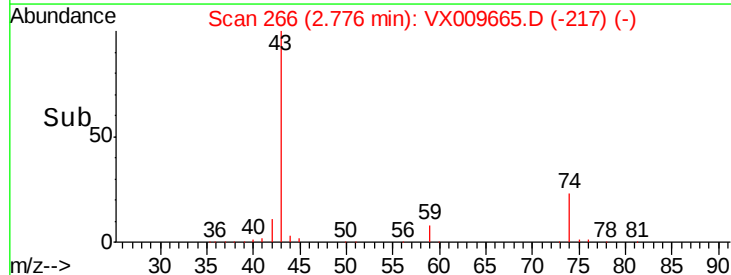
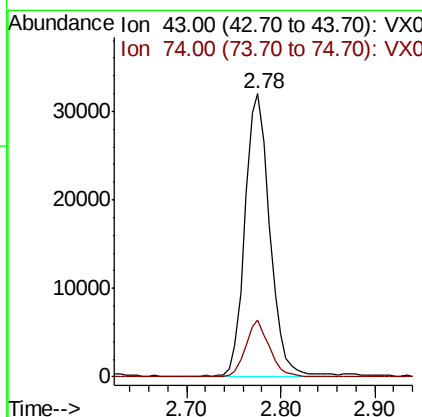
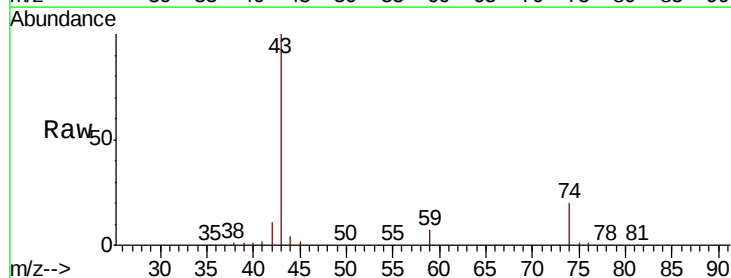
Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS02

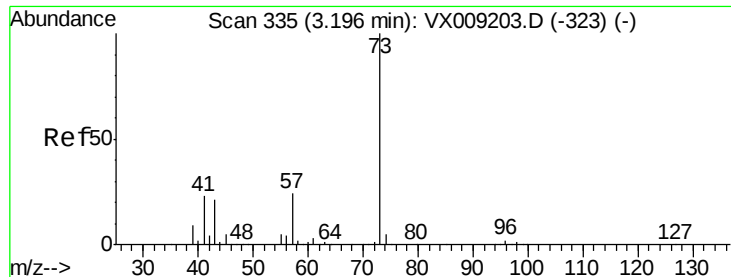
Tot Ion: 76 Resp: 73377
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0



#18
Methyl Acetate
Concen: 21.832 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Tgt Ion: 43 Resp: 58387
Ion Ratio Lower Upper
43 100
74 19.2 16.2 24.4



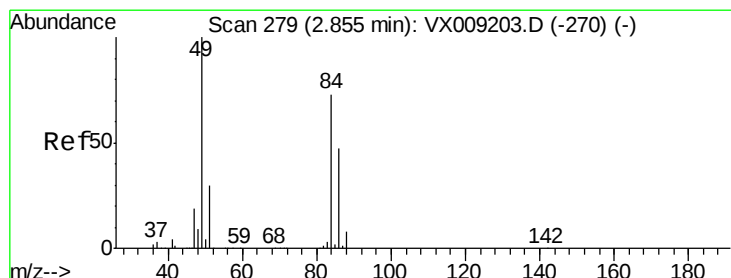
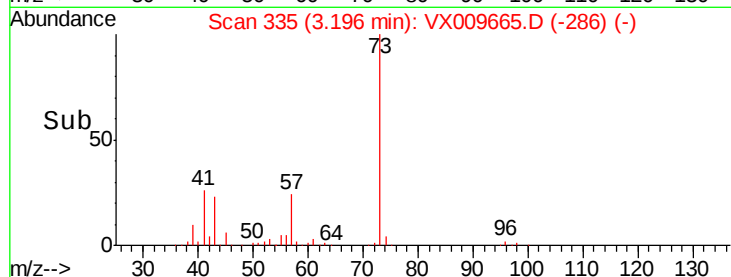
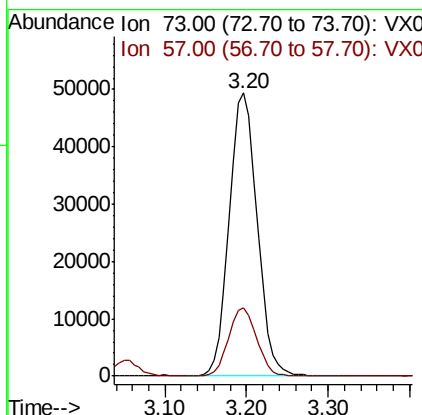
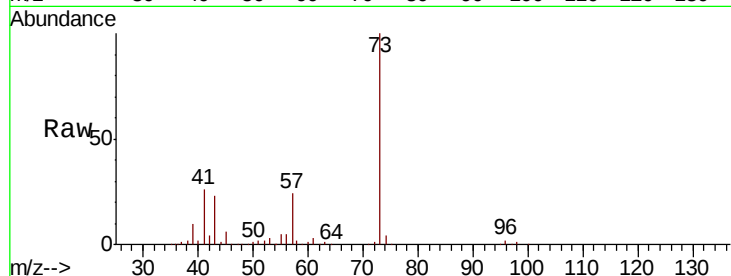


#19

Methyl tert-butyl Ether
 Concen: 20.921 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VX009665.D
 Acq: 17 May 2019 16:34

Instrument :
 MSVOA_X
 ClientSampled :
 VX0517WBS02

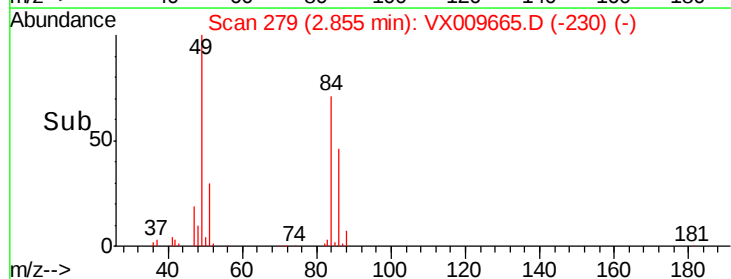
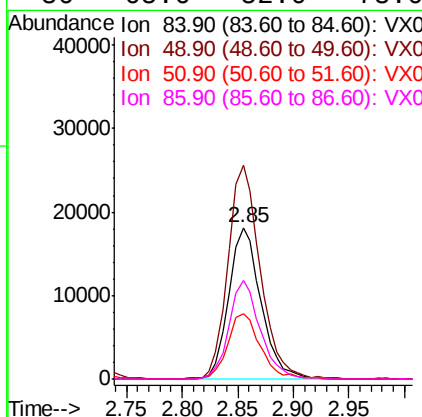
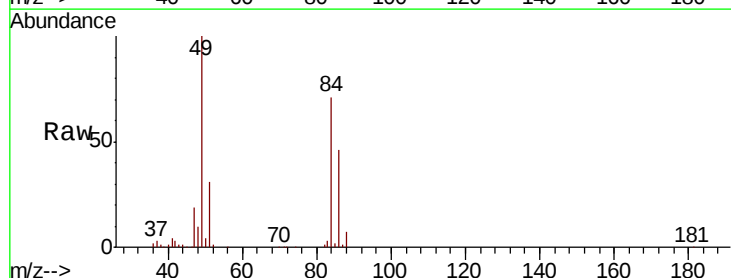
Tot Ion: 73 Resp: 116943
 Ion Ratio Lower Upper
 73 100
 57 24.1 19.3 28.9



#20

Methylene Chloride
 Concen: 19.865 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX009665.D
 Acq: 17 May 2019 16:34

Tgt Ion: 84 Resp: 36170
 Ion Ratio Lower Upper
 84 100
 49 140.7 109.9 164.9
 51 43.3 32.7 49.1
 86 65.6 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 19.832 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS02

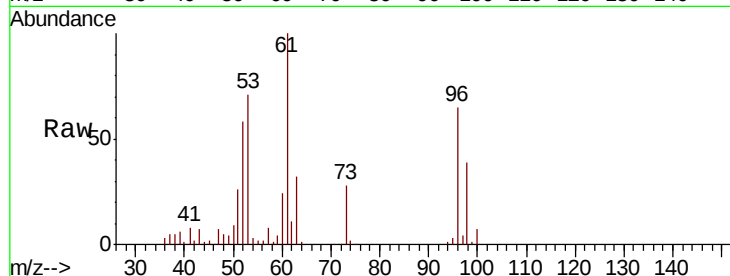
Tot Ion: 96 Resp: 30960

Ion Ratio Lower Upper

96 100

61 153.3 124.5 186.7

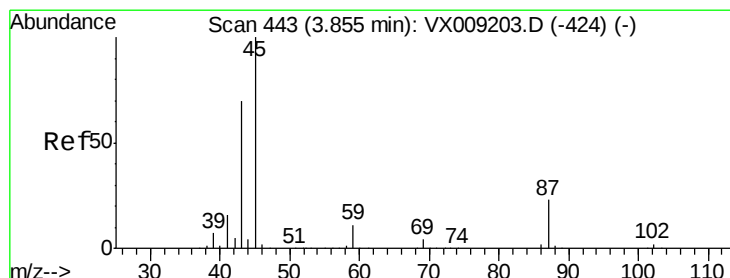
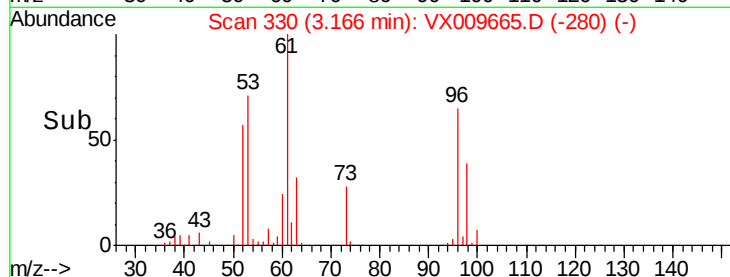
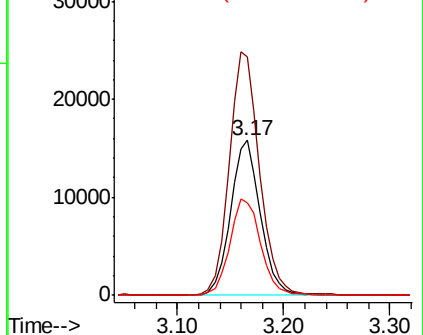
98 59.3 50.4 75.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 21.180 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Tgt Ion: 45 Resp: 142881

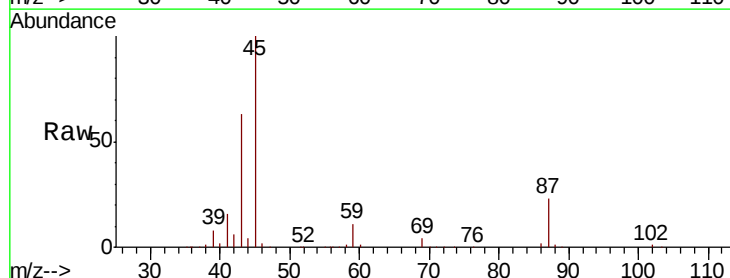
Ion Ratio Lower Upper

45 100

43 63.5 56.1 84.1

87 22.8 18.1 27.1

59 10.6 8.5 12.7

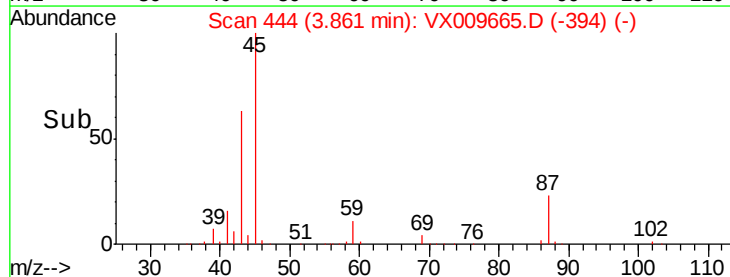
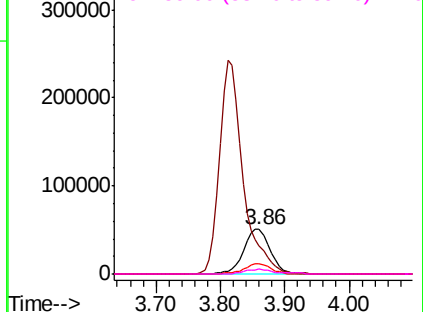


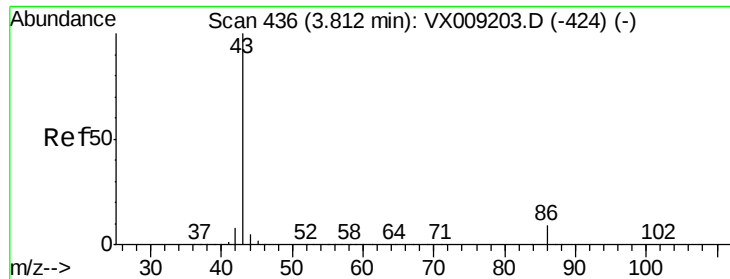
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 108.720 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

ClientSampled :

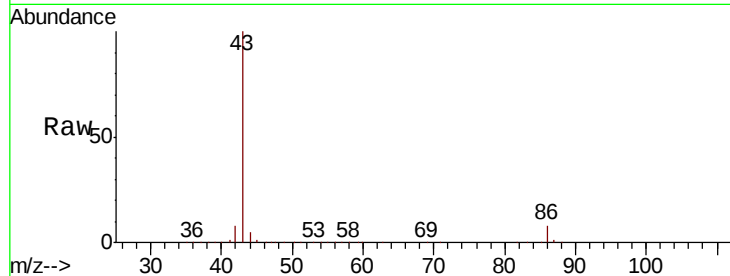
VX0517WBS02

Tot Ion: 43 Resp: 628056

Ion Ratio Lower Upper

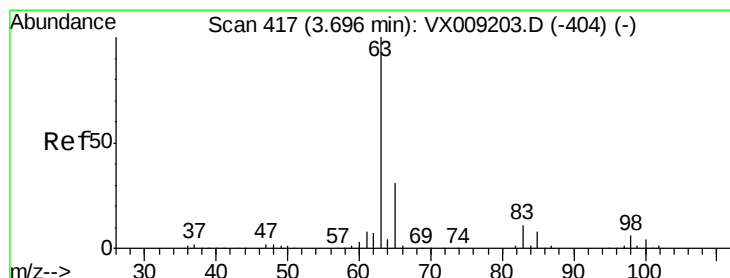
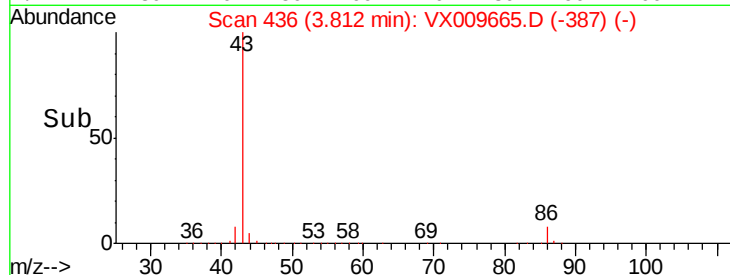
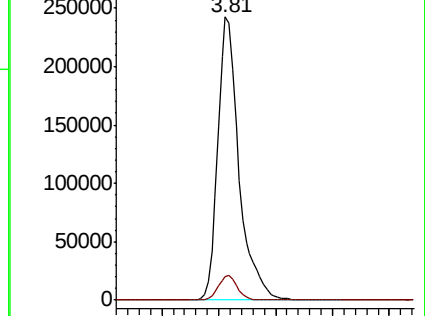
43 100

86 8.3 6.9 10.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 20.345 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

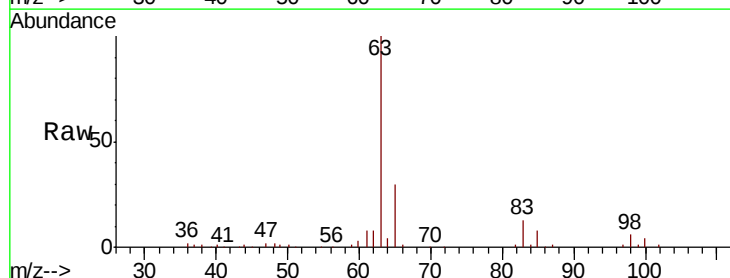
Tgt Ion: 63 Resp: 67706

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

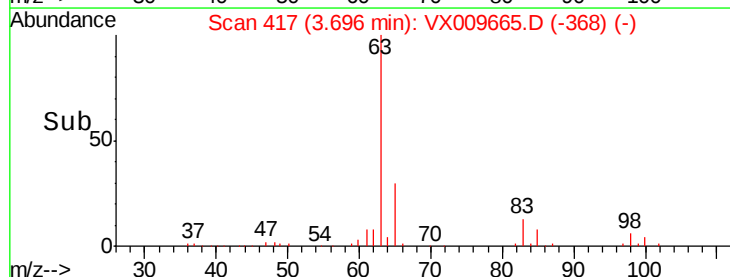
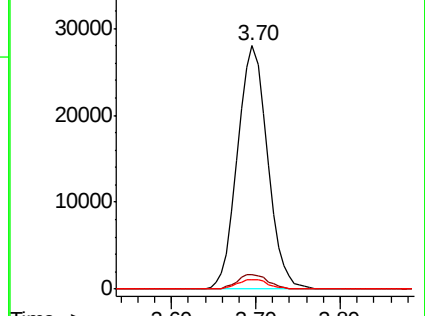
100 4.1 2.0 6.0

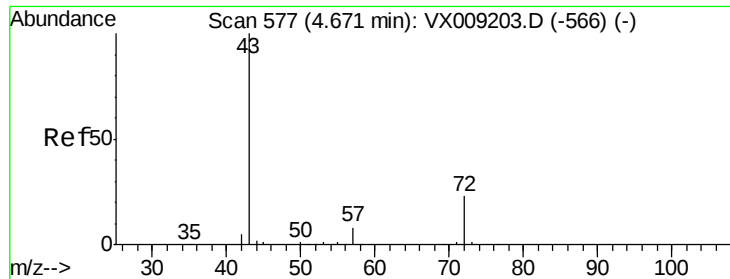


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 114.061 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

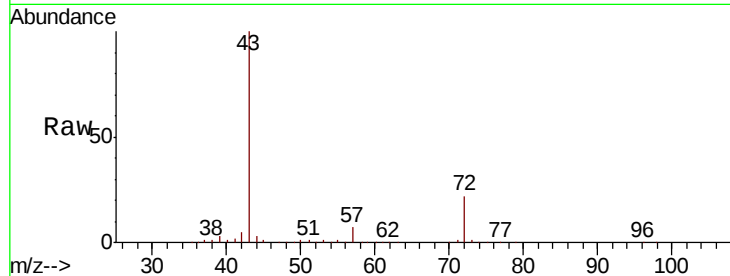
VX0517WBS02

Tot Ion: 43 Resp: 199320

Ion Ratio Lower Upper

43 100

72 22.3 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

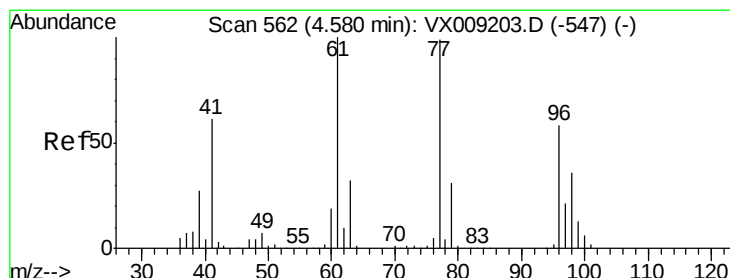
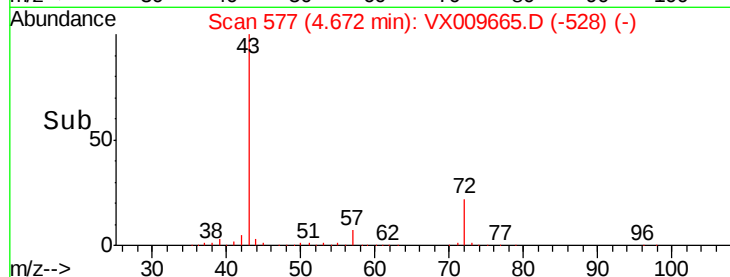
40000

20000

0

4.60 4.67 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 20.824 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX009665.D

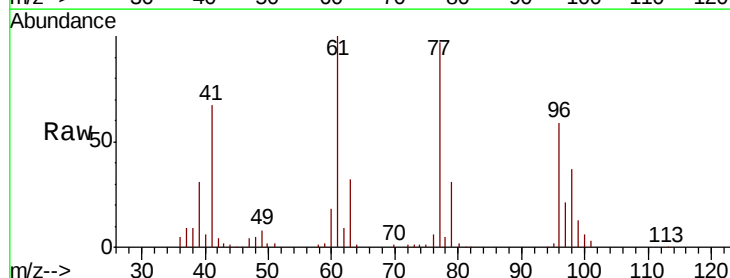
Acq: 17 May 2019 16:34

Tgt Ion: 77 Resp: 51583

Ion Ratio Lower Upper

77 100

97 22.6 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

15000

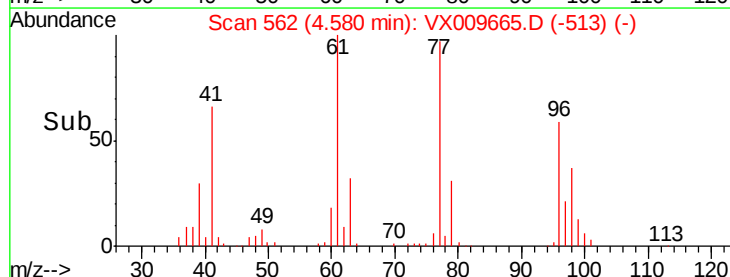
10000

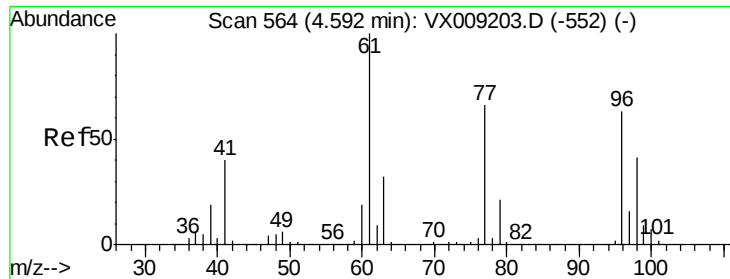
5000

0

4.50 4.58 4.60 4.70

Time-->



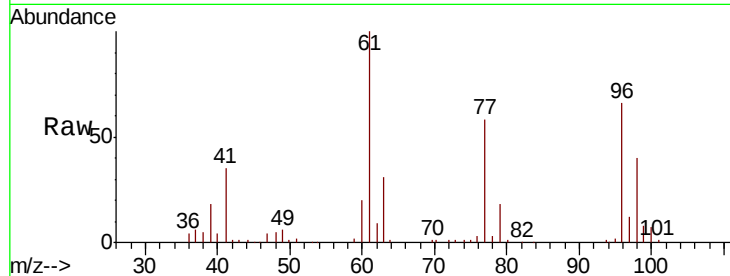


#27

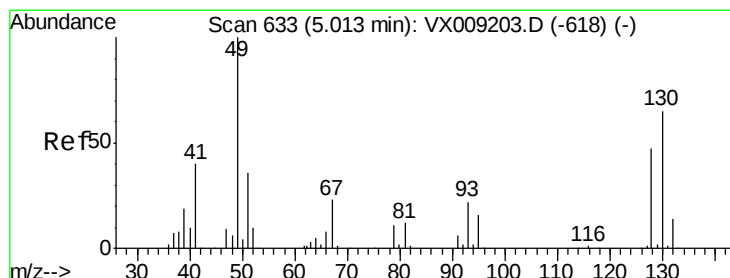
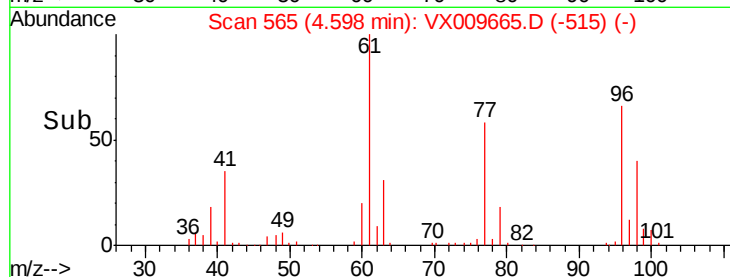
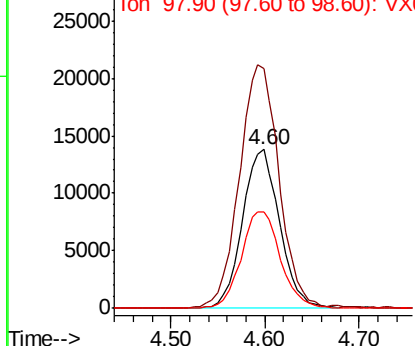
cis-1,2-Dichloroethene
 Concen: 20.379 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VX009665.D
 Acq: 17 May 2019 16:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS02

Tot Ion: 96 Resp: 37972
 Ion Ratio Lower Upper
 96 100
 61 163.2 0.0 324.0
 98 63.9 0.0 130.4



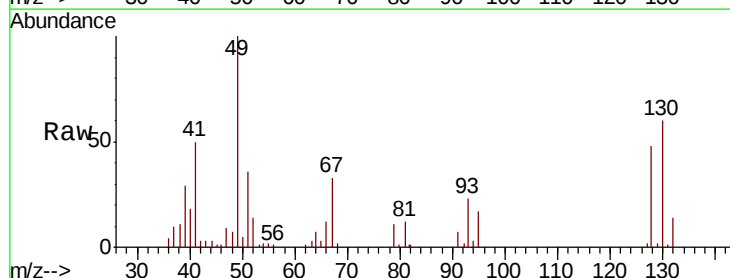
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



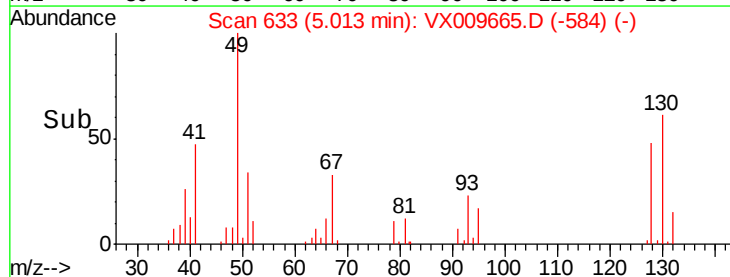
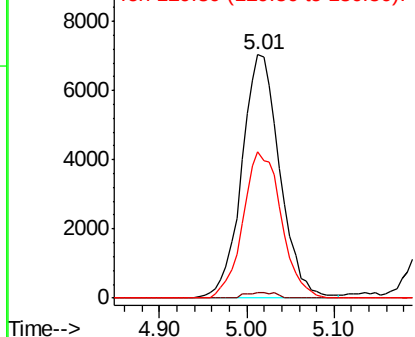
#28

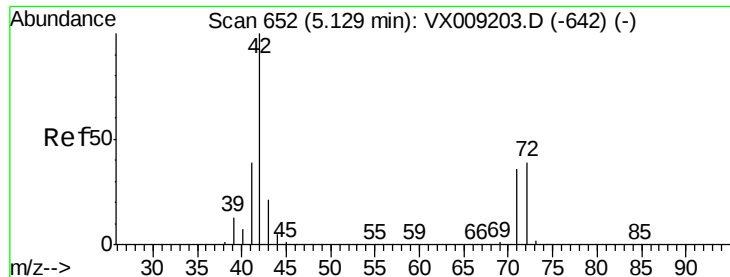
Bromochloromethane
 Concen: 13.915 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: VX009665.D
 Acq: 17 May 2019 16:34

Tgt Ion: 49 Resp: 21292
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 3.8
 130 60.4 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: 113.335 ug/l

RT: 5.13 min Scan# 653

Delta R.T. 0.01 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS02

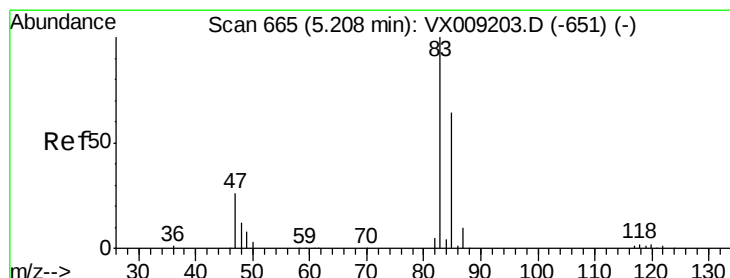
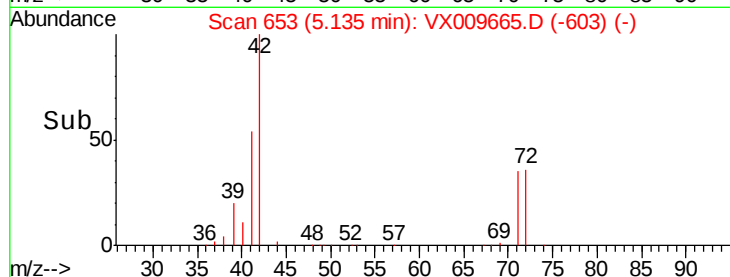
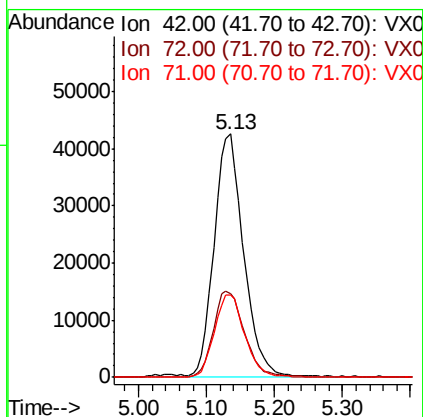
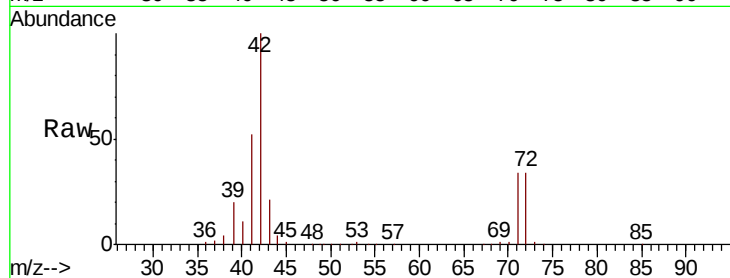
Tot Ion: 42 Resp: 127445

Ion Ratio Lower Upper

42 100

72 37.5 30.4 45.6

71 35.2 28.6 43.0



#30

Chloroform

Concen: 21.063 ug/l

RT: 5.21 min Scan# 665

Delta R.T. 0.00 min

Lab File: VX009665.D

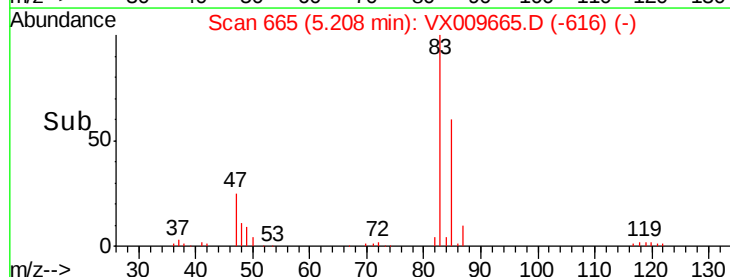
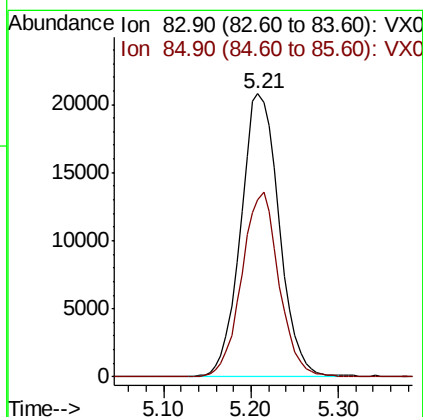
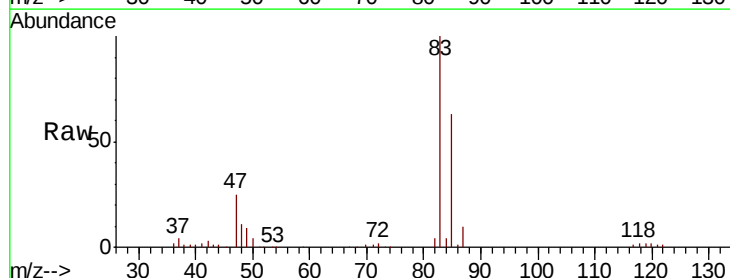
Acq: 17 May 2019 16:34

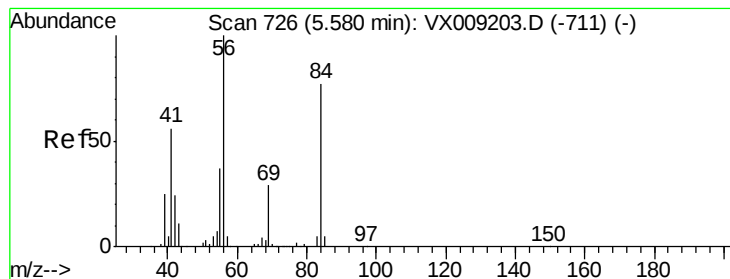
Tgt Ion: 83 Resp: 63398

Ion Ratio Lower Upper

83 100

85 62.5 51.5 77.3





#31

Cyclohexane

Concen: 20.212 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS02

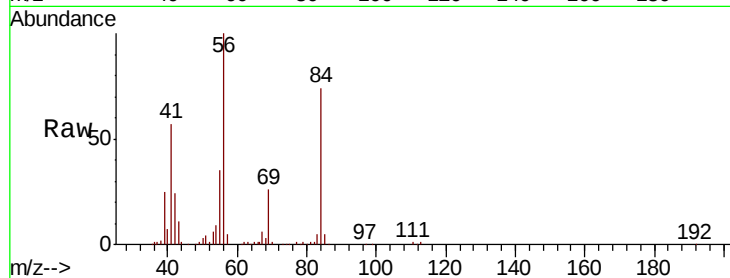
Tot Ion: 56 Resp: 62580

Ion Ratio Lower Upper

56 100

69 25.9 23.4 35.0

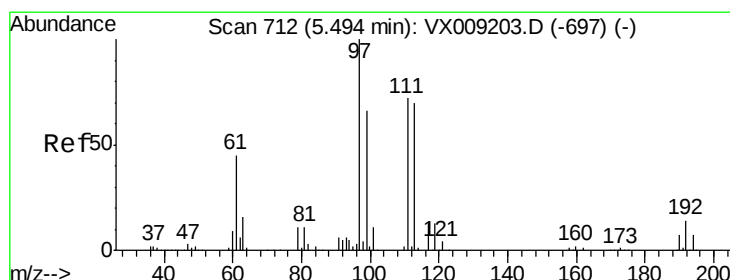
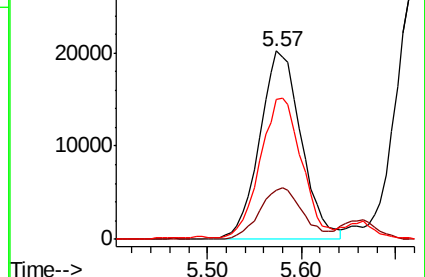
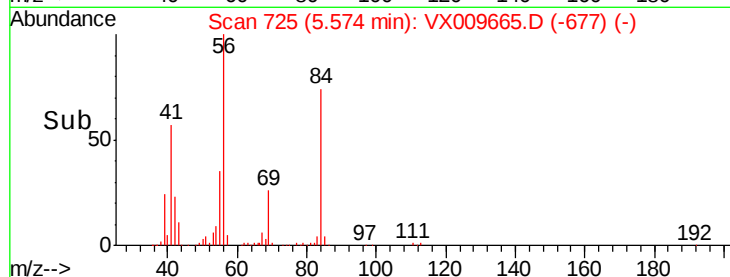
84 73.2 61.9 92.9



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: 20.244 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

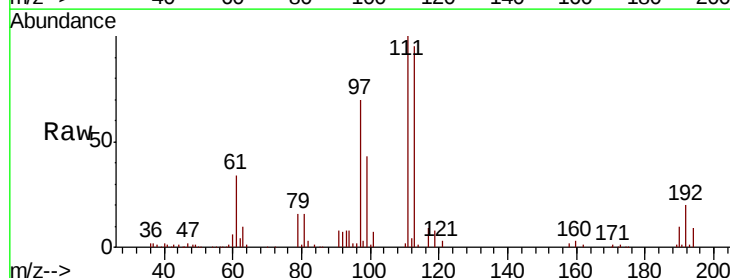
Tgt Ion: 97 Resp: 50724

Ion Ratio Lower Upper

97 100

99 65.0 51.8 77.8

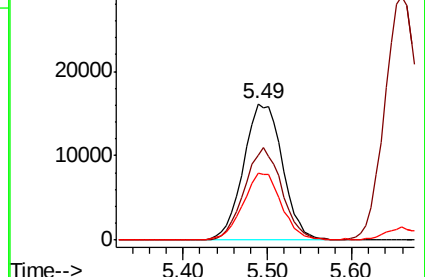
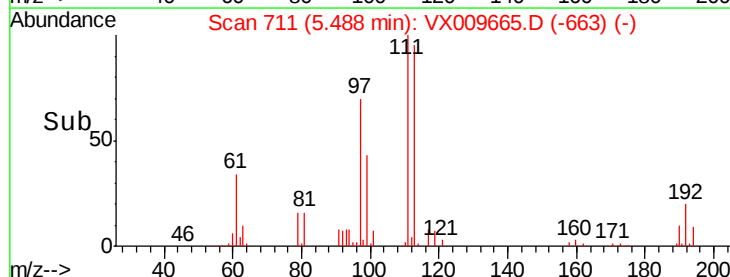
61 48.6 37.8 56.8



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

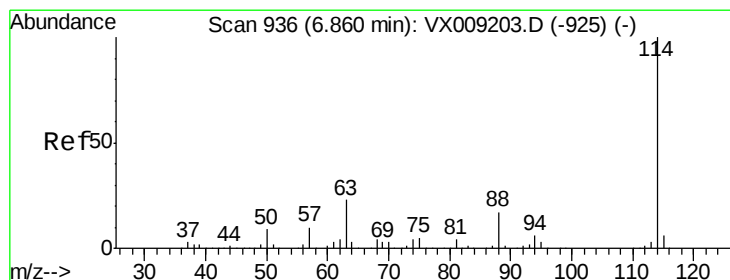
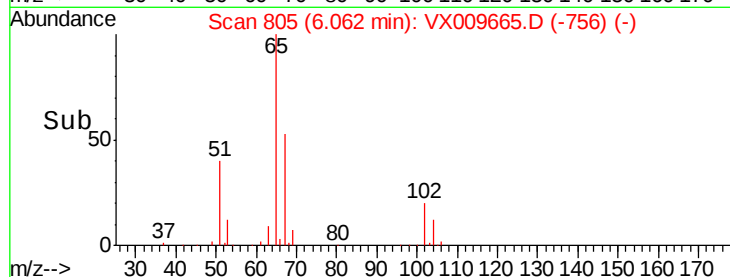
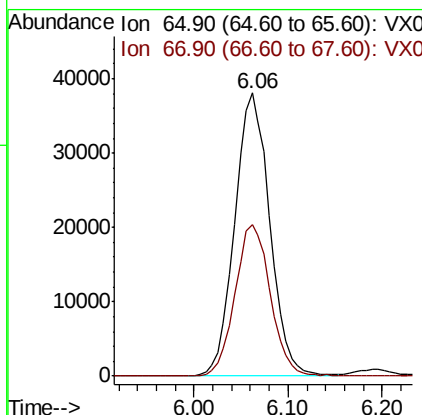
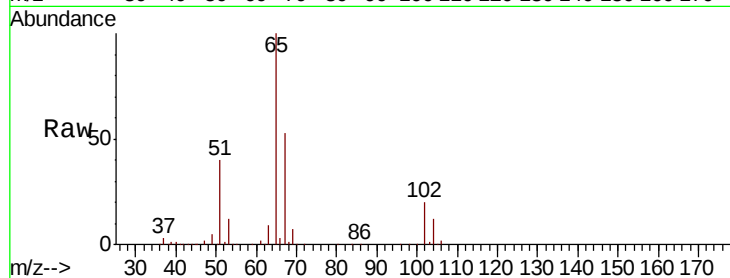




#33
 1,2-Dichloroethane-d4
 Concen: 47.232 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009665.D
 Acq: 17 May 2019 16:34

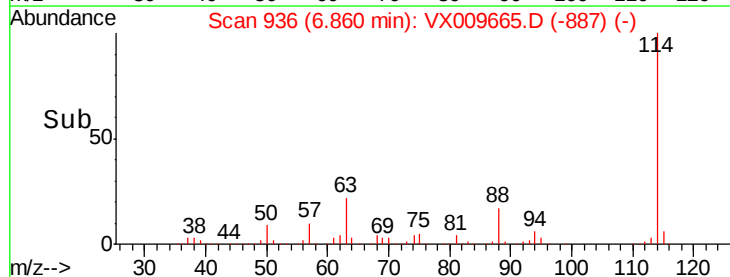
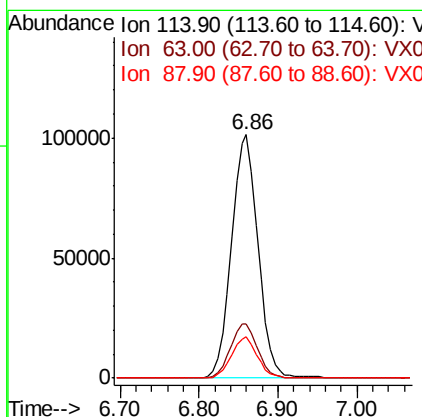
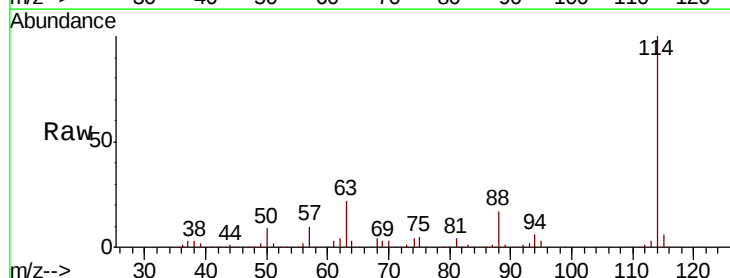
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS02

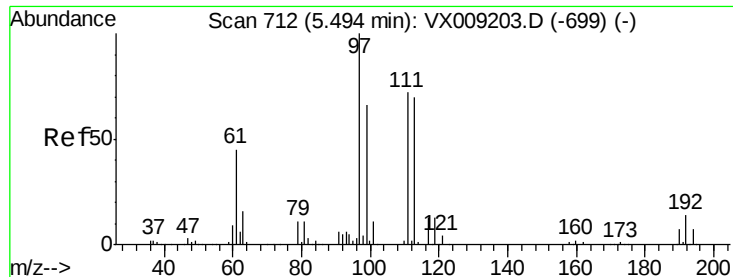
Tot Ion: 65 Resp: 98916
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009665.D
 Acq: 17 May 2019 16:34

Tgt Ion: 114 Resp: 236980
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 45.6
 88 16.8 0.0 33.2

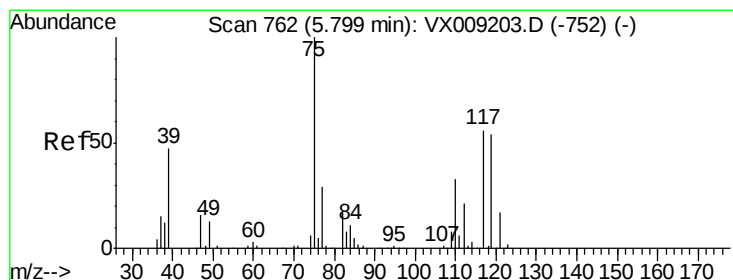
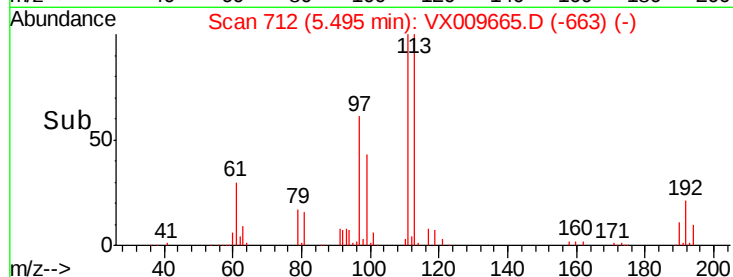
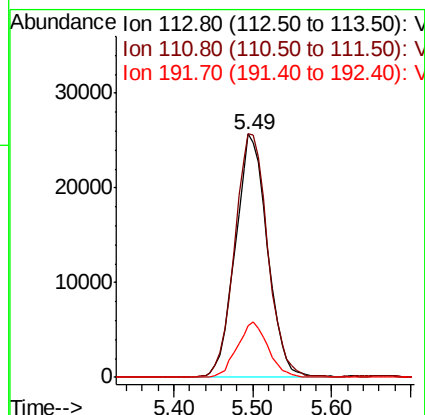
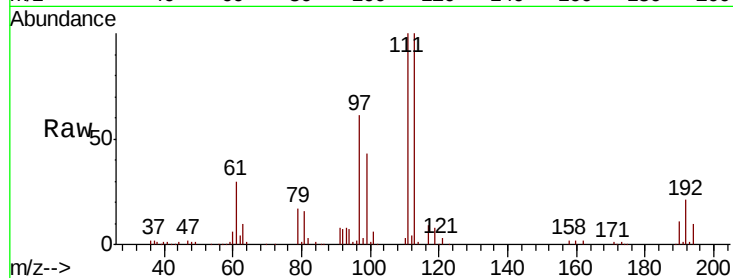




#35
 Dibromofluoromethane
 Concen: 48.801 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX009665.D
 Acq: 17 May 2019 16:34

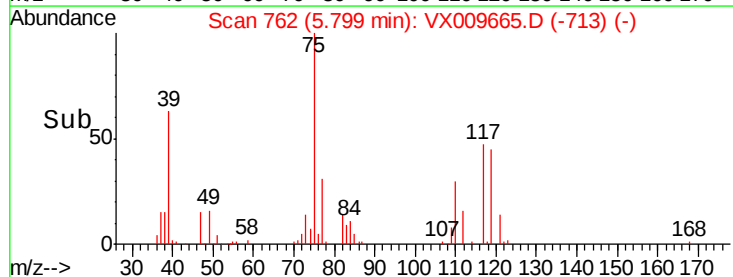
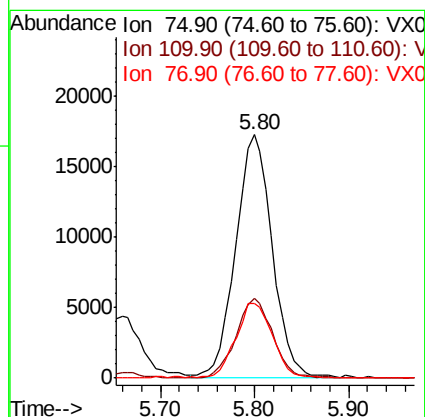
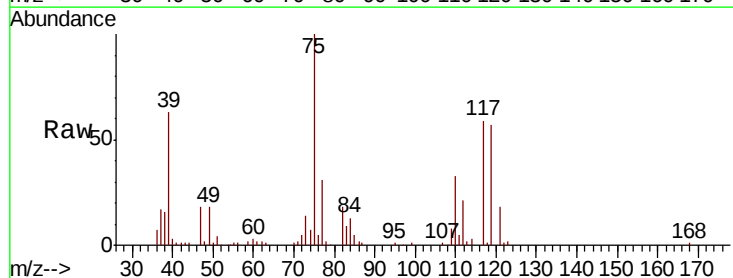
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS02

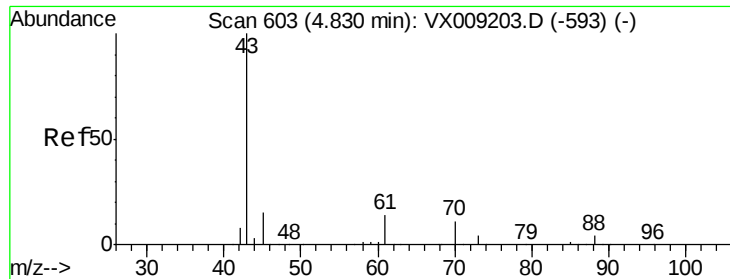
Tot Ion:113 Resp: 72702
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.8 124.2
 192 22.0 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 21.031 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX009665.D
 Acq: 17 May 2019 16:34

Tgt Ion: 75 Resp: 46317
 Ion Ratio Lower Upper
 75 100
 110 33.4 16.9 50.6
 77 31.3 24.8 37.2

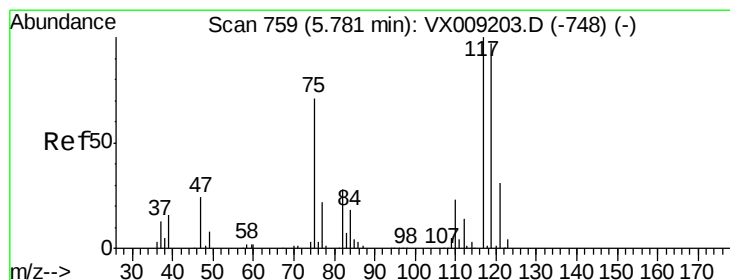
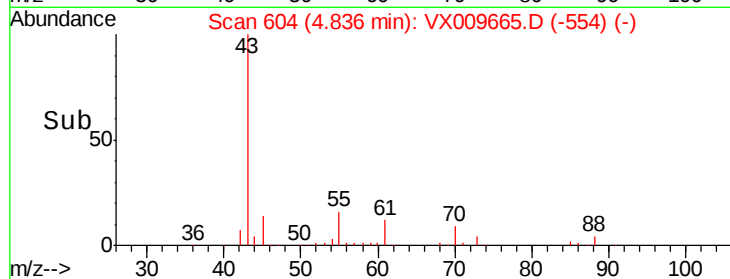
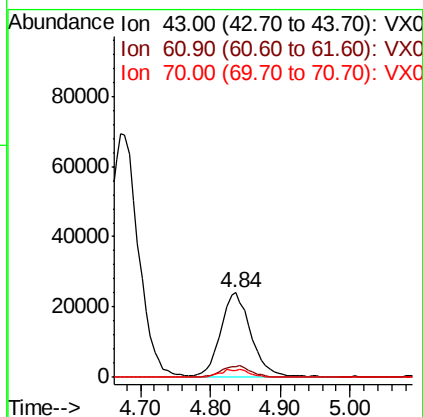
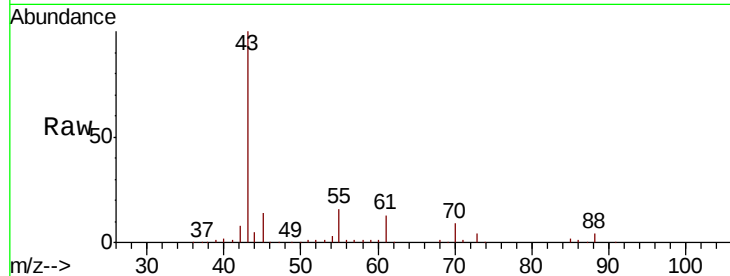




#37
Ethyl Acetate
Concen: 23.498 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

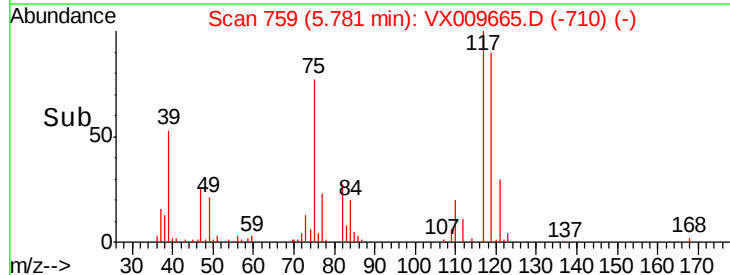
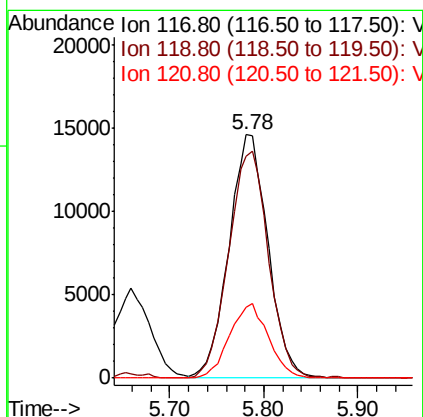
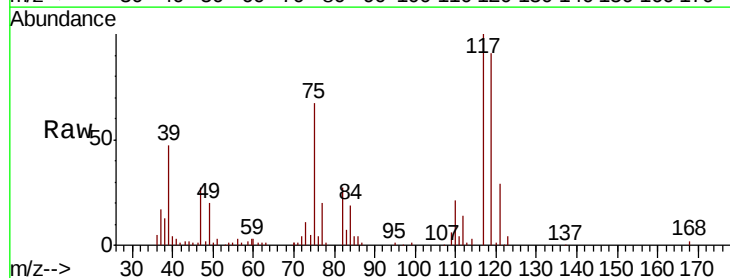
Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS02

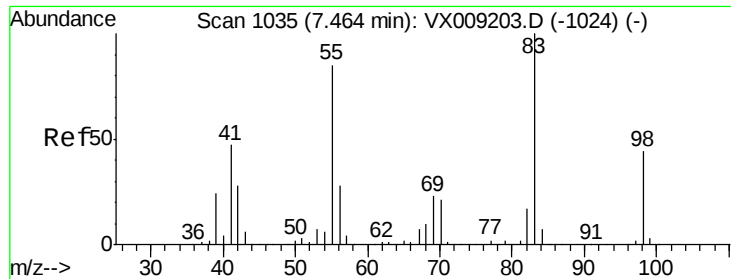
Tot Ion: 43 Resp: 72103
Ion Ratio Lower Upper
43 100
61 13.4 10.5 15.7
70 9.5 7.9 11.9



#38
Carbon Tetrachloride
Concen: 21.140 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Tgt Ion: 117 Resp: 42300
Ion Ratio Lower Upper
117 100
119 90.6 77.5 116.3
121 29.0 24.7 37.1

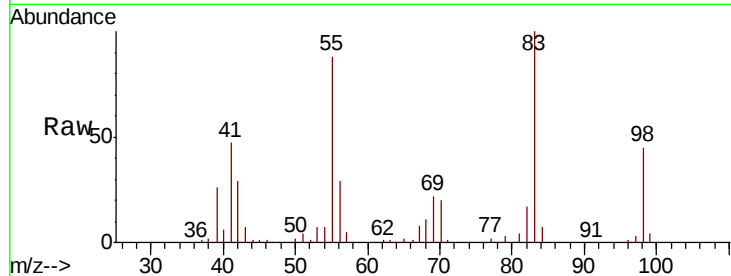




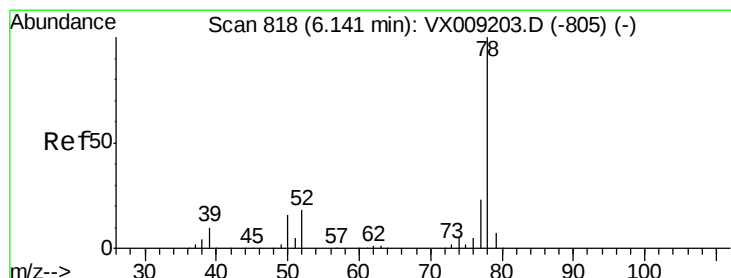
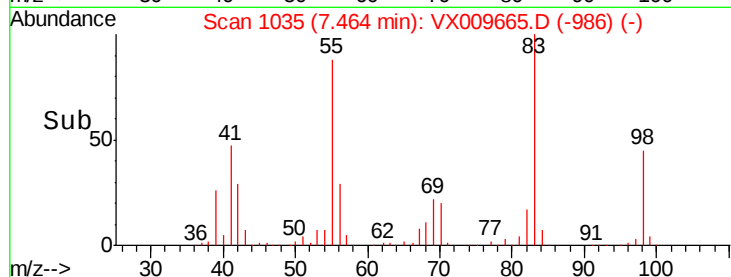
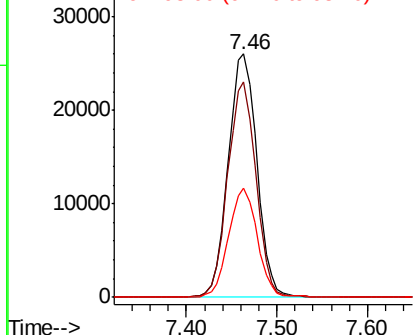
#39
Methvlcvclohexane
Concen: 21.231 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS02

Tot Ion: 83 Resp: 57423
Ion Ratio Lower Upper
83 100
55 88.1 67.7 101.5
98 45.0 35.5 53.3

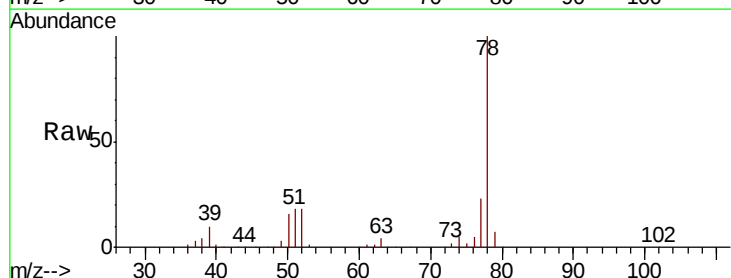


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

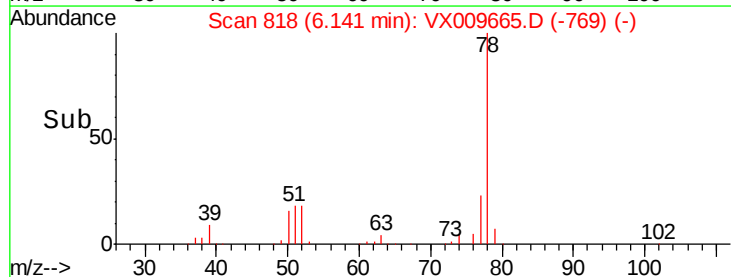
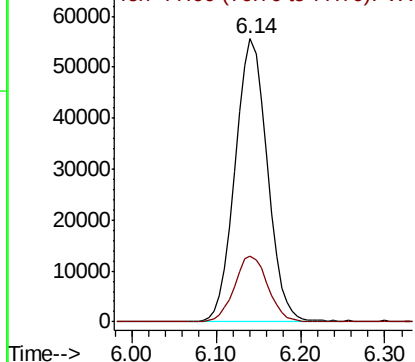


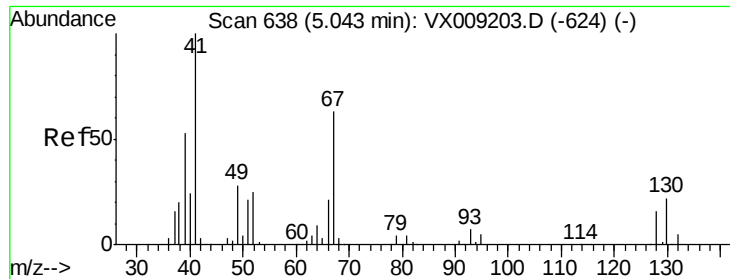
#40
Benzene
Concen: 21.142 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Tgt Ion: 78 Resp: 144097
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2



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

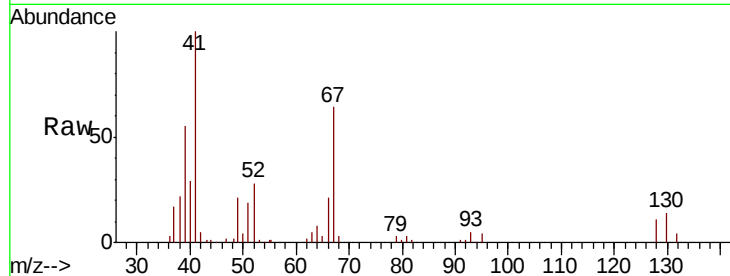




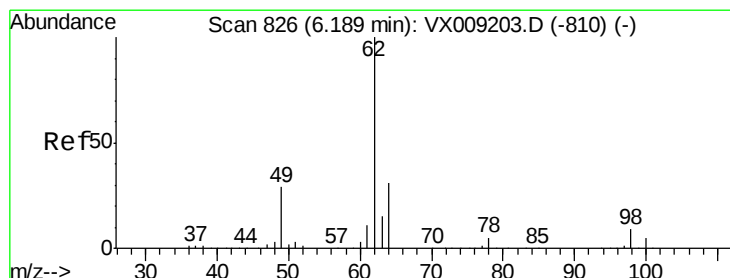
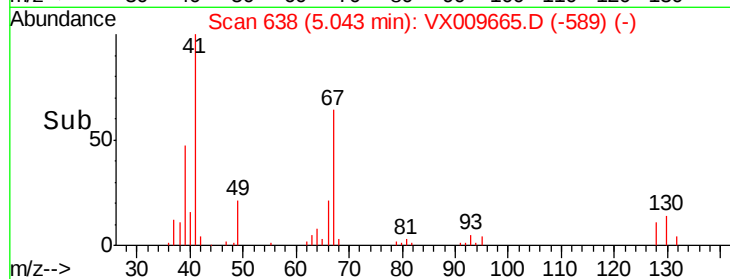
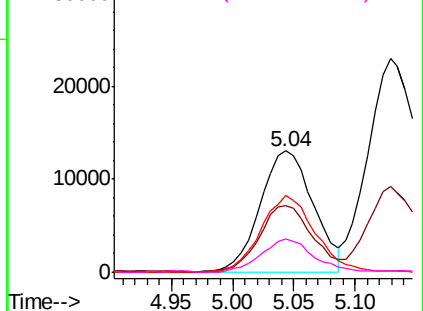
#41
Methacrylonitrile
Concen: 21.743 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS02

Tot Ion:	41	Resp:	39714
Ion	Ratio	Lower	Upper
41	100		
39	56.2	42.0	63.0
67	64.0	49.8	74.8
52	27.4	20.3	30.5

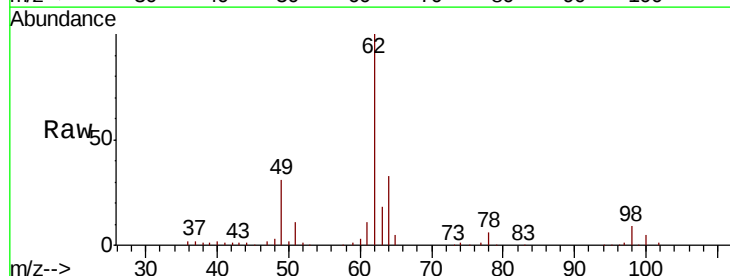


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

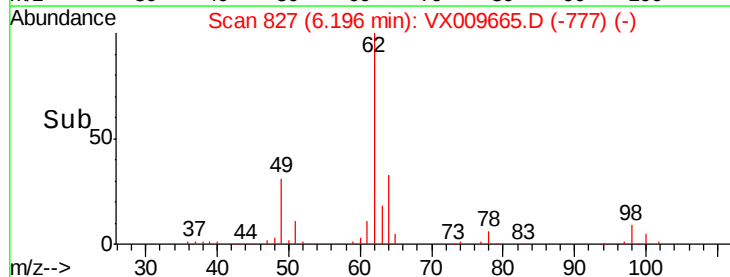
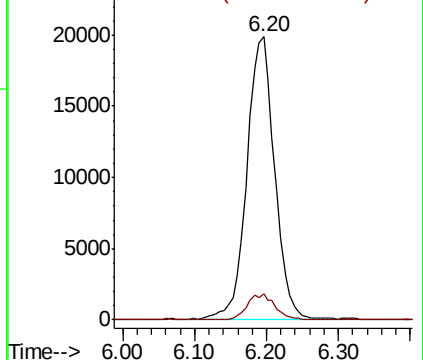


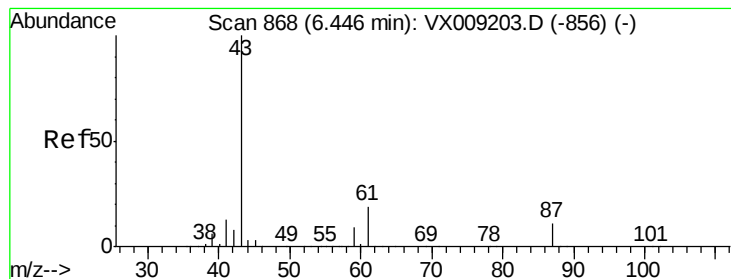
#42
1,2-Dichloroethane
Concen: 21.626 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Tgt Ion:	62	Resp:	52874
Ion	Ratio	Lower	Upper
62	100		
98	9.2	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: 22.367 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS02

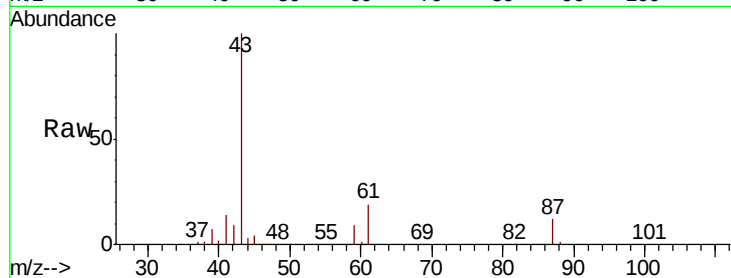
Tot Ion: 43 Resp: 109780

Ion Ratio Lower Upper

43 100

61 19.0 15.1 22.7

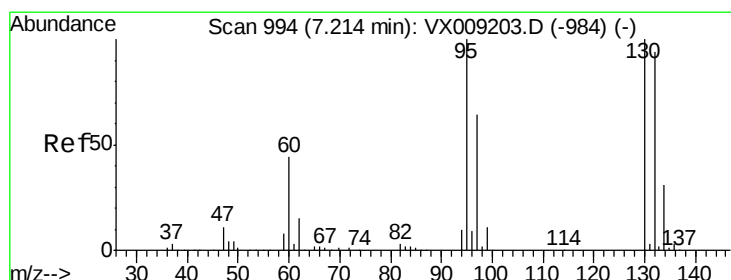
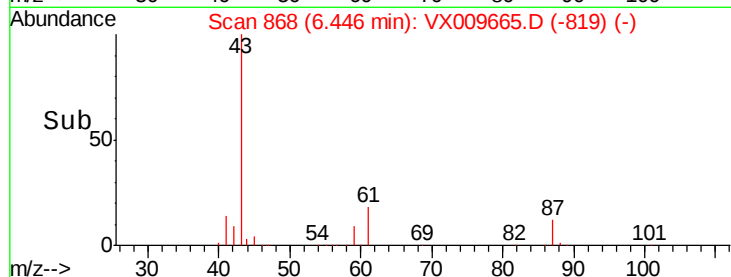
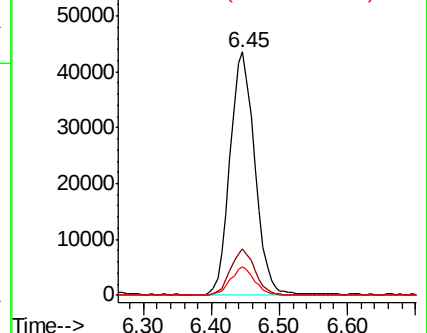
87 11.4 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 20.931 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX009665.D

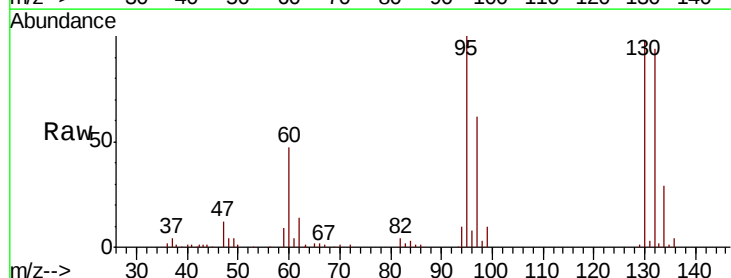
Acq: 17 May 2019 16:34

Tgt Ion:130 Resp: 34488

Ion Ratio Lower Upper

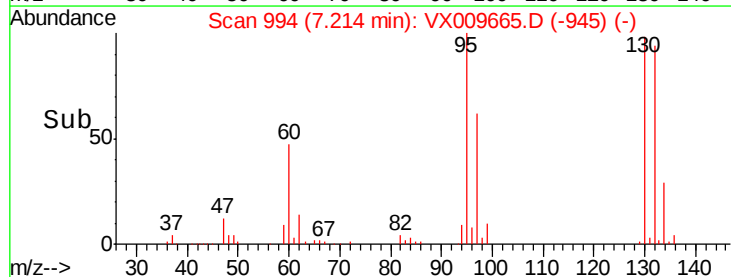
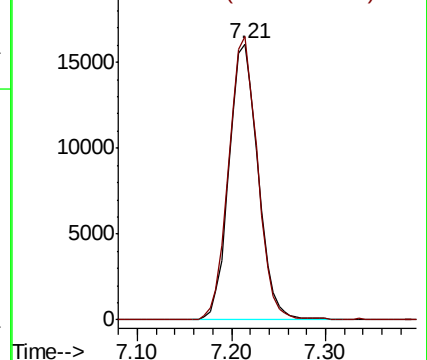
130 100

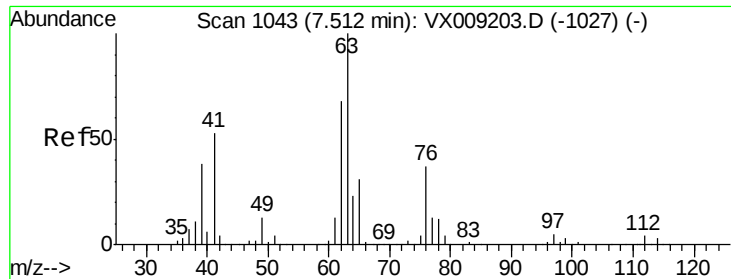
95 102.5 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 21.989 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

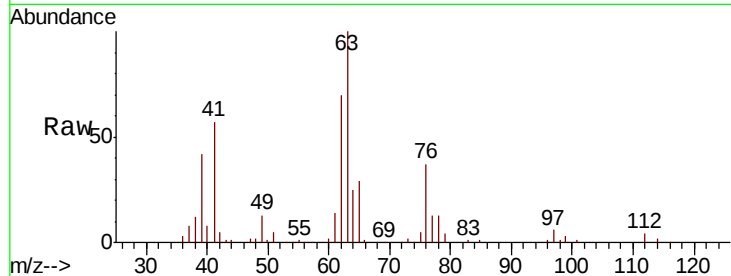
VX0517WBS02

Tot Ion: 63 Resp: 42437

Ion Ratio Lower Upper

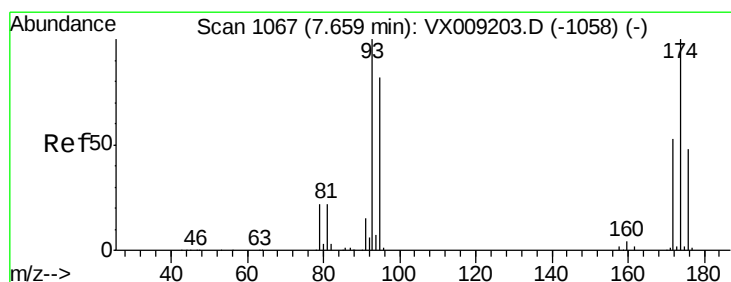
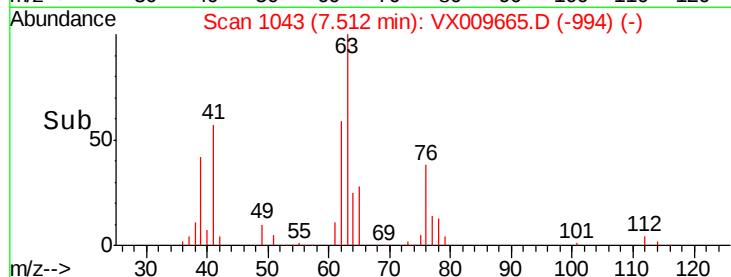
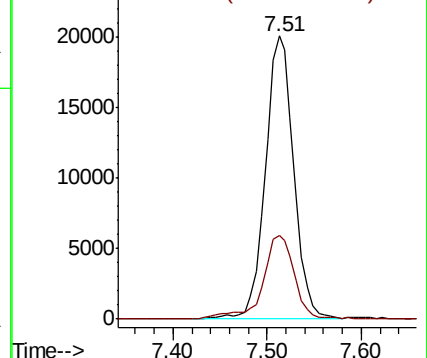
63 100

65 29.3 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 20.991 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

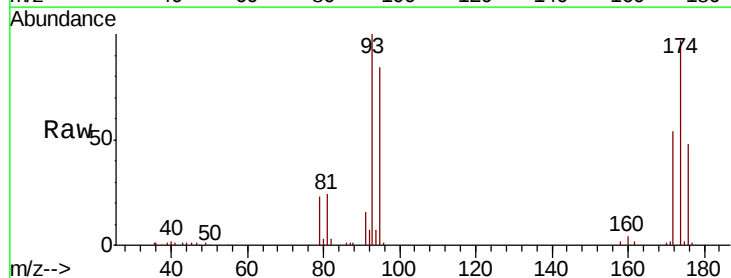
Tgt Ion: 93 Resp: 23525

Ion Ratio Lower Upper

93 100

95 84.3 66.5 99.7

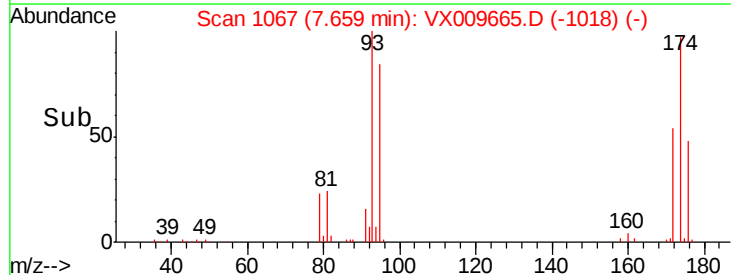
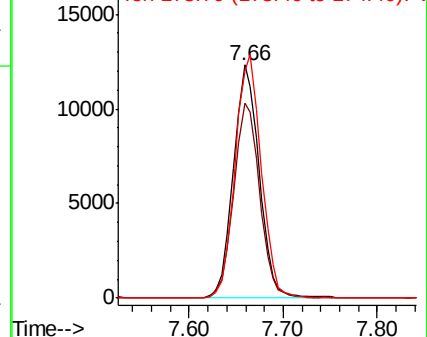
174 105.0 82.1 123.1



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.419 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS02

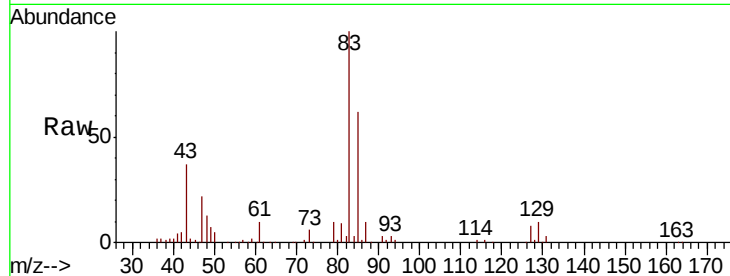
Tot Ion: 83 Resp: 47884

Ion Ratio Lower Upper

83 100

85 62.0 52.4 78.6

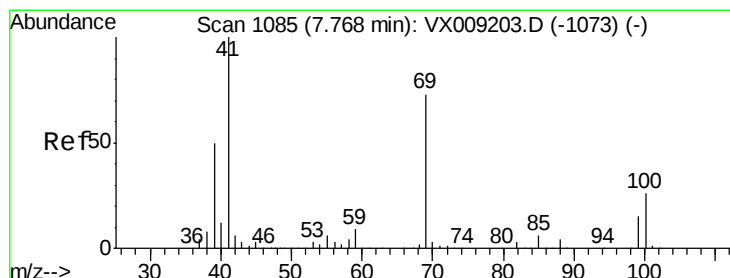
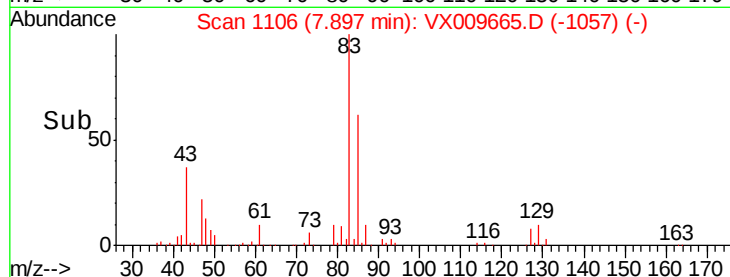
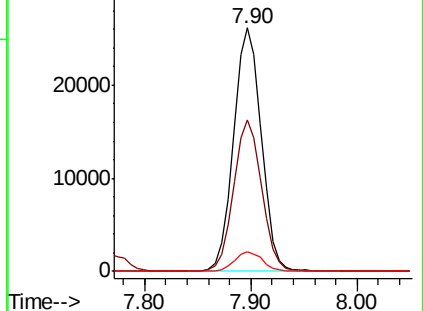
127 8.2 6.6 10.0



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: 22.841 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

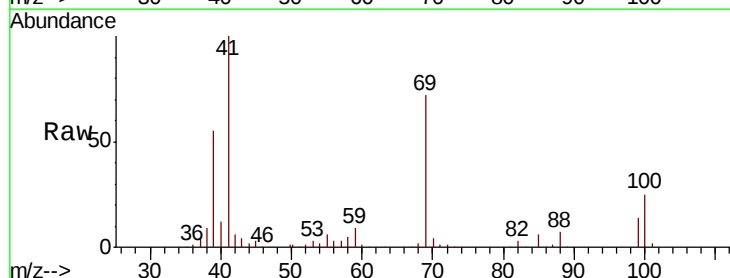
Tgt Ion: 41 Resp: 55620

Ion Ratio Lower Upper

41 100

69 71.7 59.1 88.7

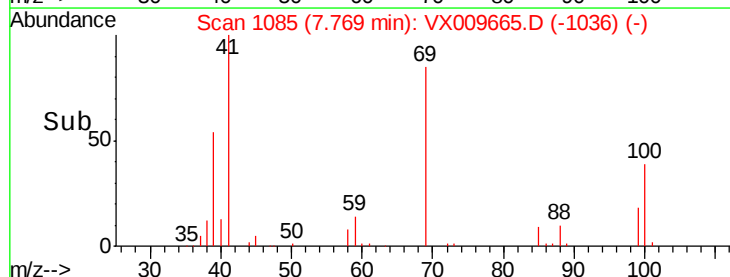
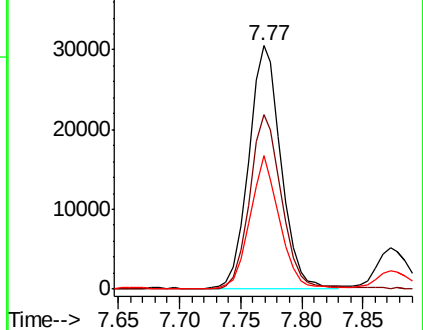
39 50.3 40.4 60.6

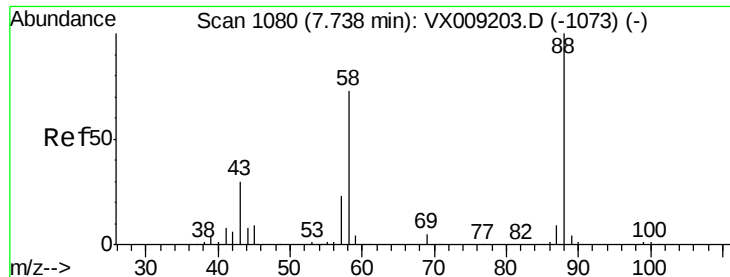


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 463.972 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS02

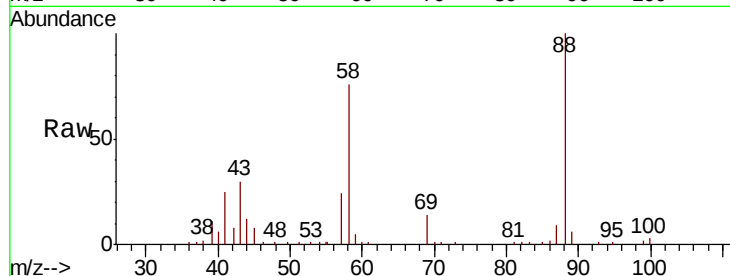
Tot Ion: 88 Resp: 22912

Ion Ratio Lower Upper

88 100

43 39.2 28.6 42.8

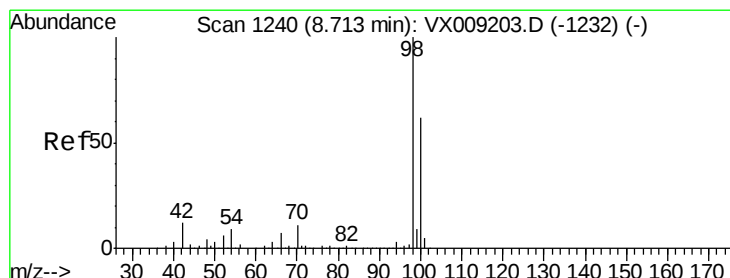
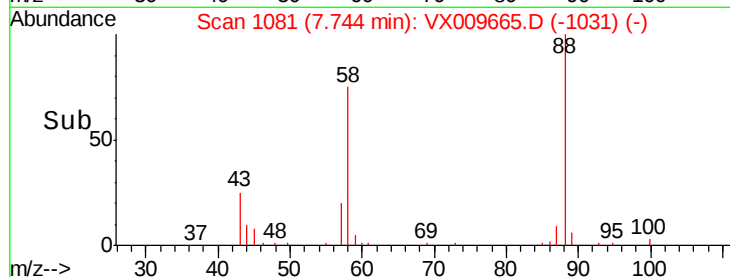
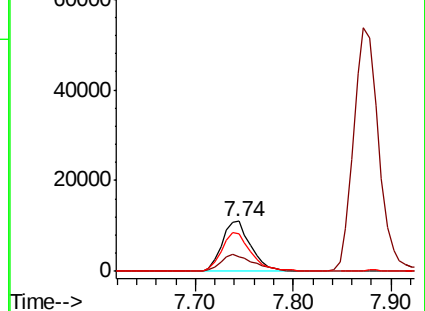
58 78.0 61.7 92.5



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: 48.036 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009665.D

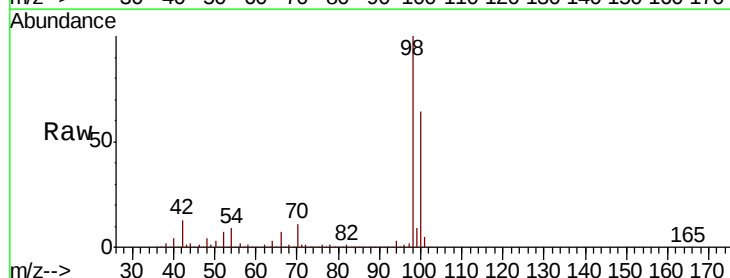
Acq: 17 May 2019 16:34

Tgt Ion: 98 Resp: 288914

Ion Ratio Lower Upper

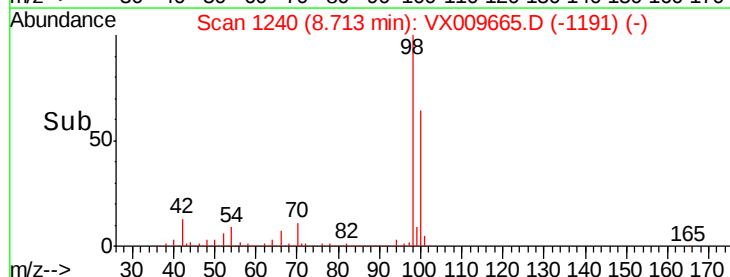
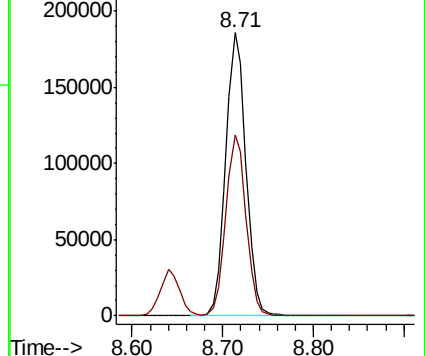
98 100

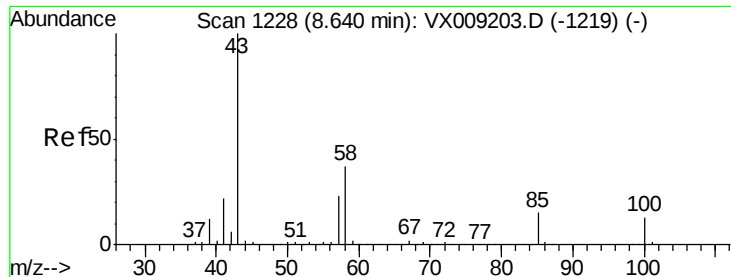
100 64.0 51.2 76.8



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: 117.168 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

ClientSampled :

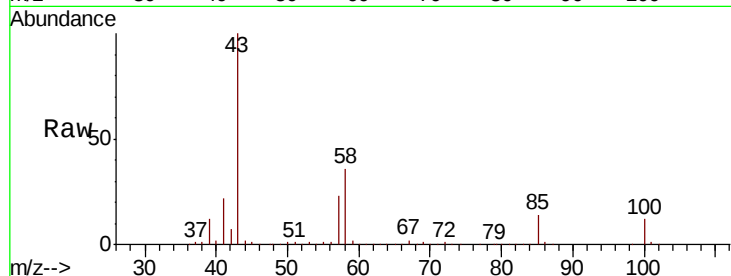
VX0517WBS02

Tot Ion: 43 Resp: 375883

Ion Ratio Lower Upper

43 100

58 36.1 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

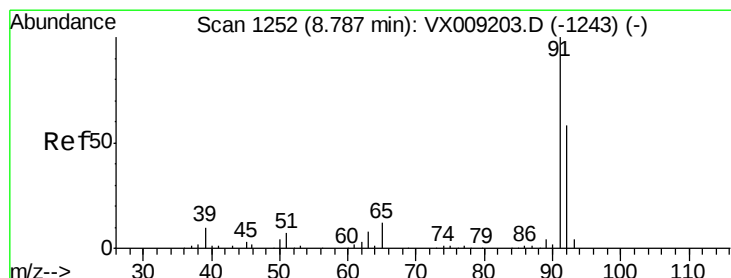
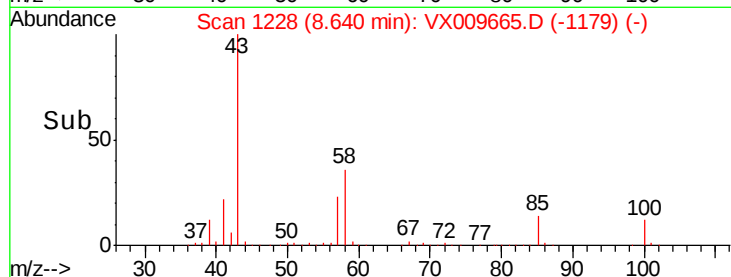
150000

100000

50000

0

Time--> 8.55 8.60 8.65 8.70



#52

Toluene

Concen: 21.540 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009665.D

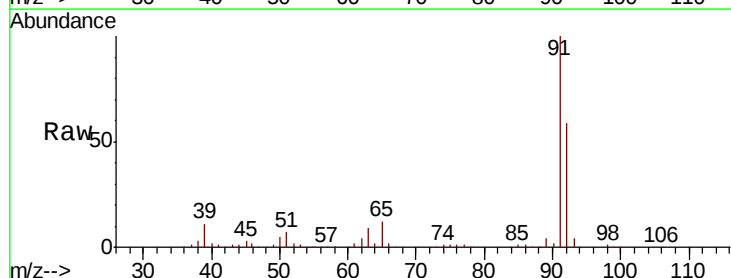
Acq: 17 May 2019 16:34

Tgt Ion: 92 Resp: 89240

Ion Ratio Lower Upper

92 100

91 172.5 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

100000

80000

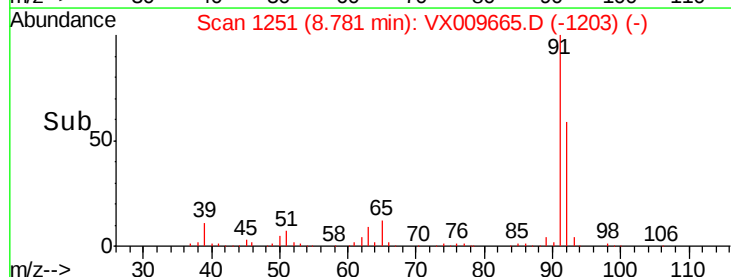
60000

40000

20000

0

Time--> 8.70 8.75 8.80 8.85

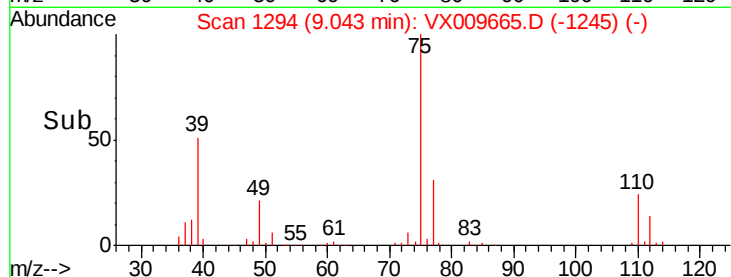
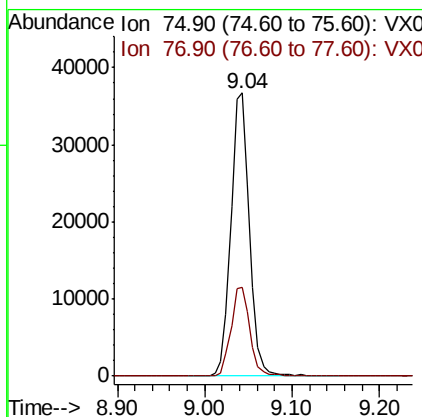
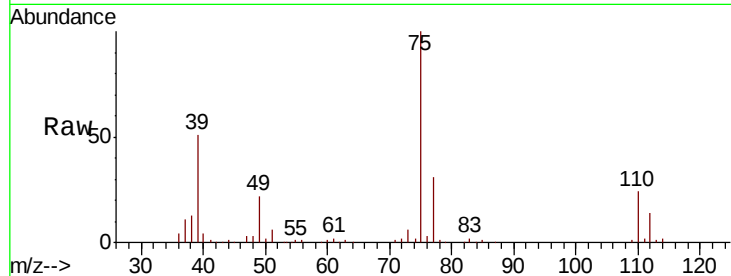




#53
t-1,3-Dichloropropene
Concen: 21.573 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

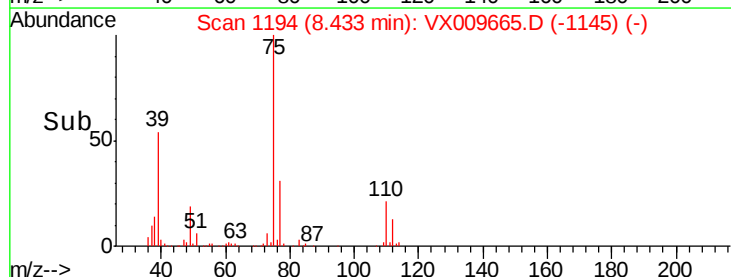
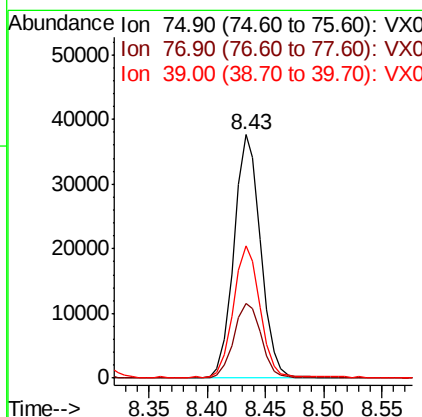
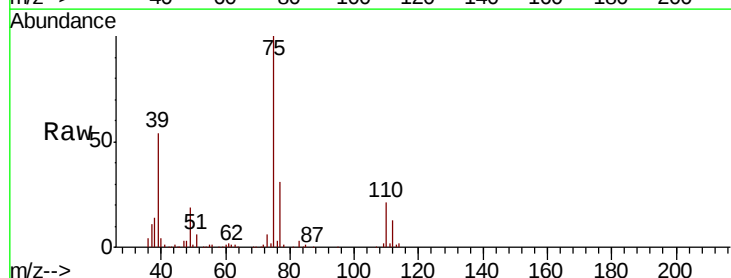
Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS02

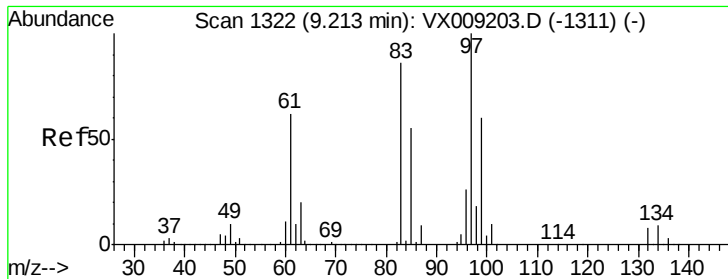
Tot Ion: 75 Resp: 54449
Ion Ratio Lower Upper
75 100
77 31.3 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 21.612 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Tgt Ion: 75 Resp: 60377
Ion Ratio Lower Upper
75 100
77 30.8 24.6 36.8
39 54.0 40.6 60.8





#55

1,1,2-Trichloroethane

Concen: 22.273 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS02

Tot Ion: 97 Resp: 37648

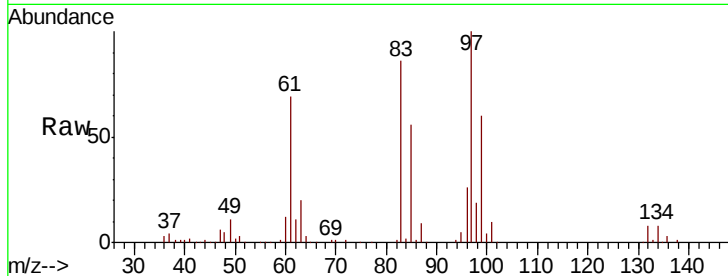
Ion Ratio Lower Upper

97 100

83 86.2 68.9 103.3

85 55.7 43.8 65.6

99 59.8 48.2 72.2

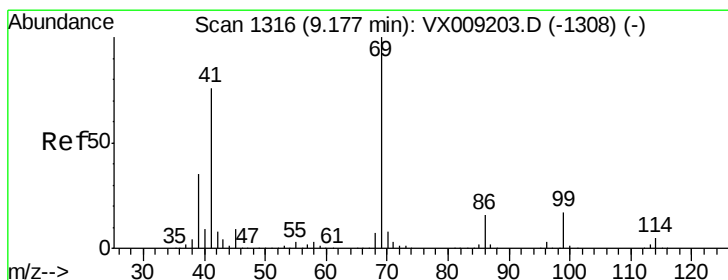
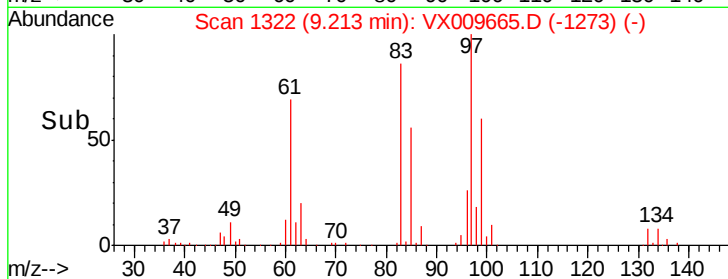
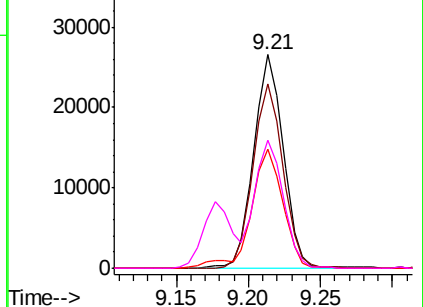


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 22.160 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

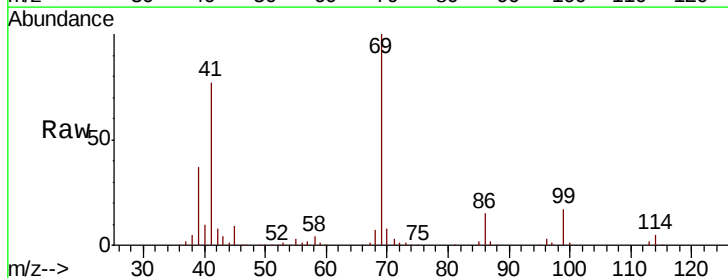
Tgt Ion: 69 Resp: 66862

Ion Ratio Lower Upper

69 100

41 76.5 60.6 90.8

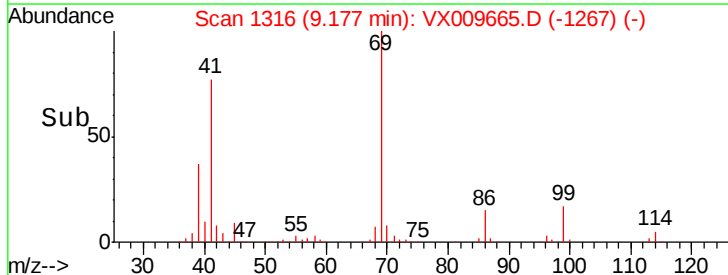
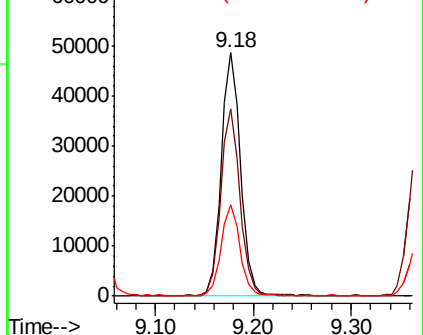
39 36.6 28.2 42.4

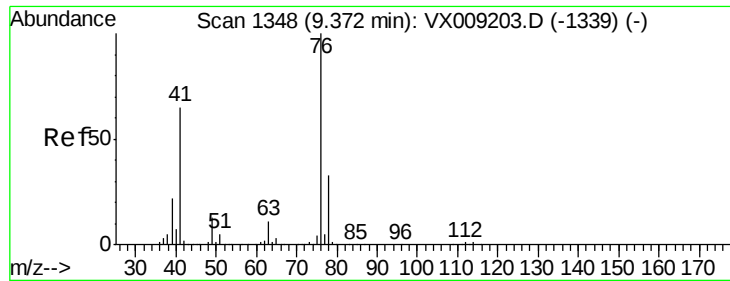


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 21.686 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

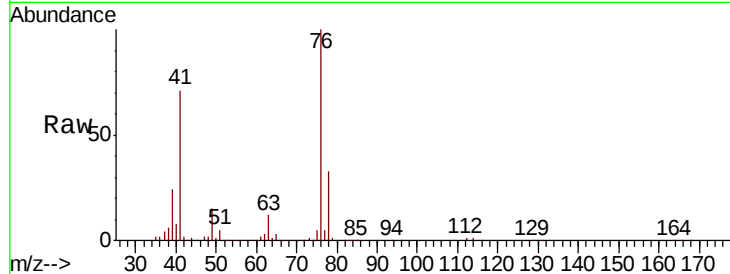
VX0517WBS02

Tot Ion: 76 Resp: 64505

Ion Ratio Lower Upper

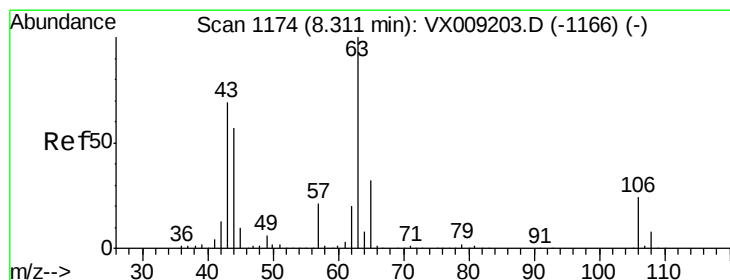
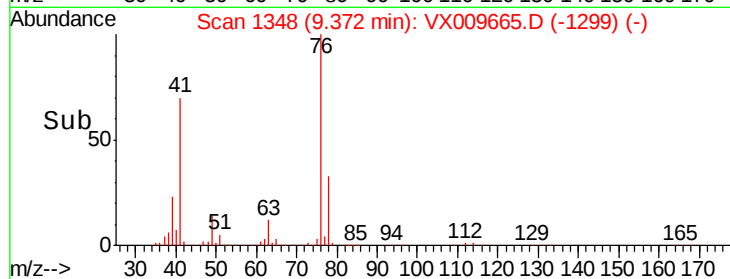
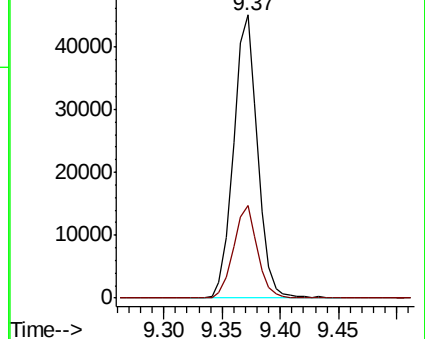
76 100

78 32.5 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: 85.611 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX009665.D

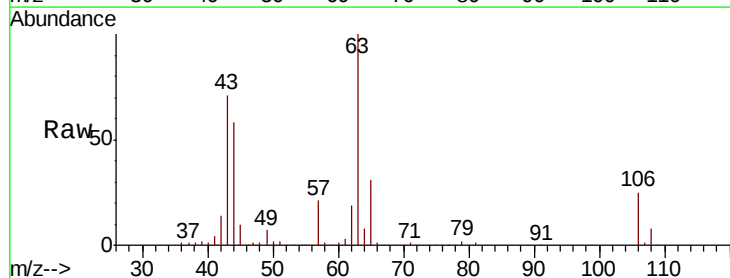
Acq: 17 May 2019 16:34

Tgt Ion: 63 Resp: 137031

Ion Ratio Lower Upper

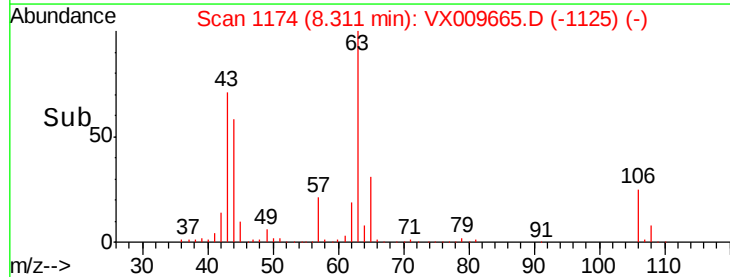
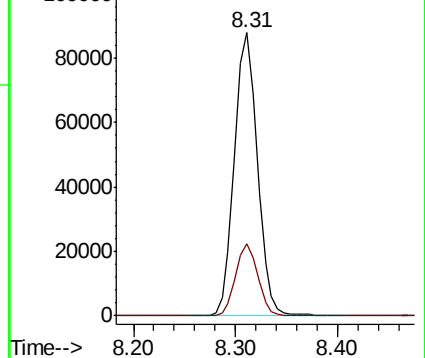
63 100

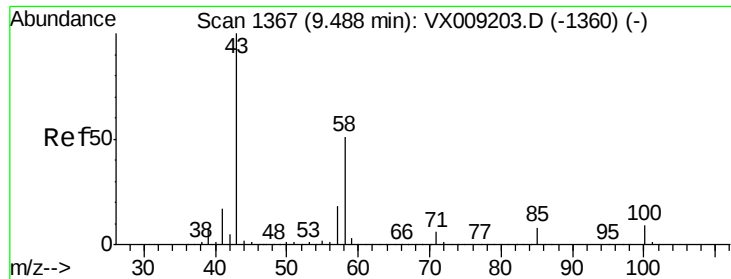
106 24.6 19.7 29.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

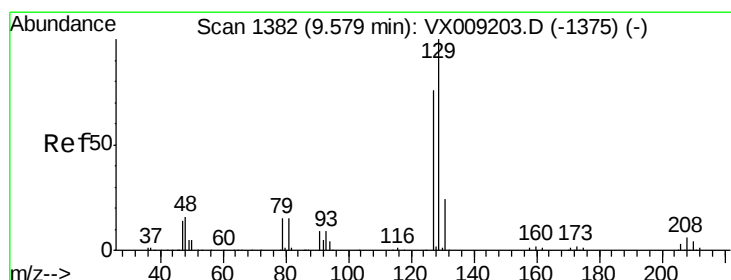
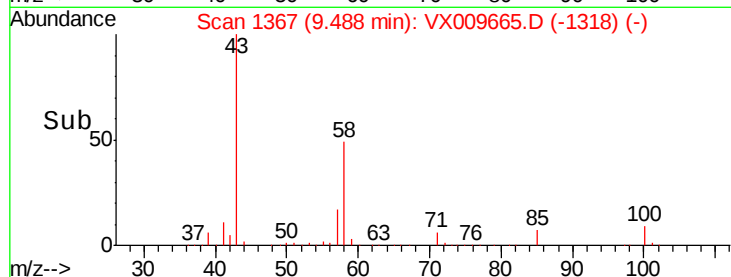
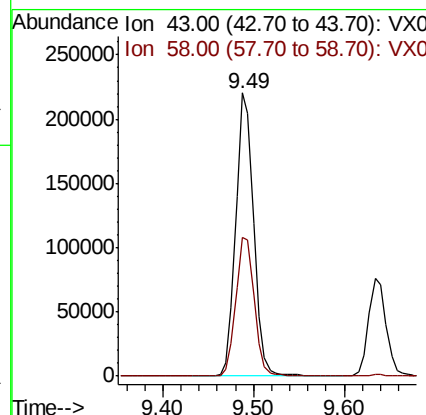
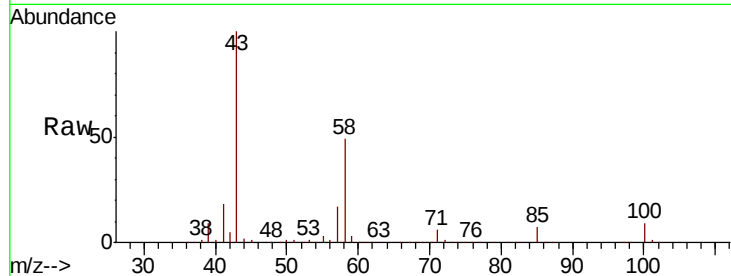




#59
2-Hexanone
Concen: 119.959 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

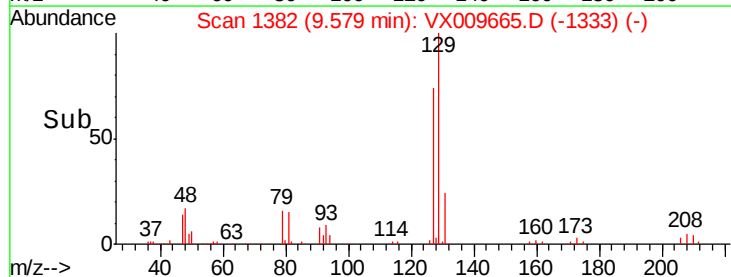
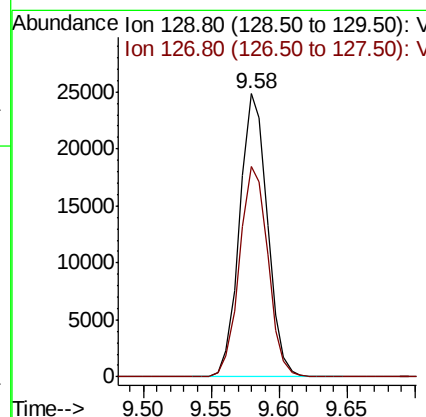
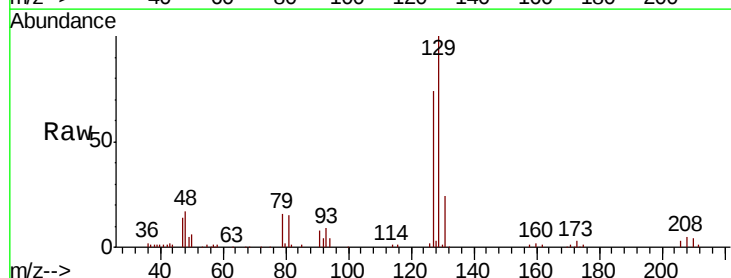
Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS02

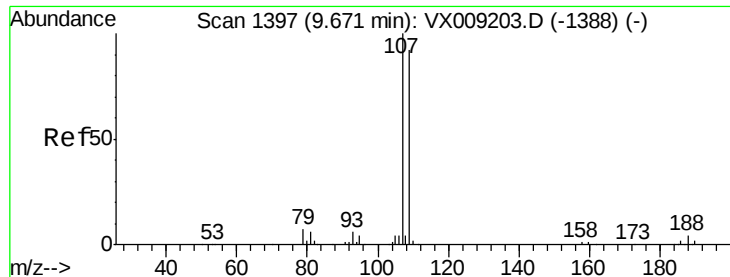
Tot Ion: 43 Resp: 302244
Ion Ratio Lower Upper
43 100
58 50.4 25.9 77.7



#60
Dibromochloromethane
Concen: 21.457 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Tgt Ion:129 Resp: 35423
Ion Ratio Lower Upper
129 100
127 75.9 38.4 115.1





#61

1,2-Dibromoethane

Concen: 21.822 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

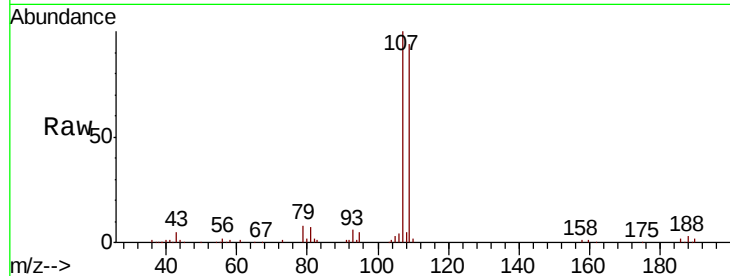
VX0517WBS02

Tot Ion:107 Resp: 37233

Ion Ratio Lower Upper

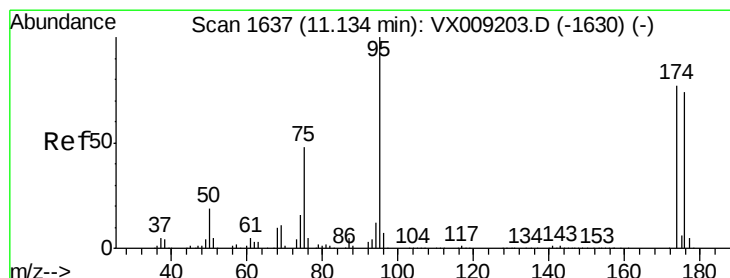
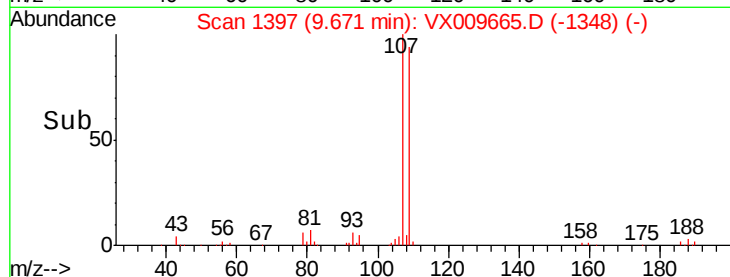
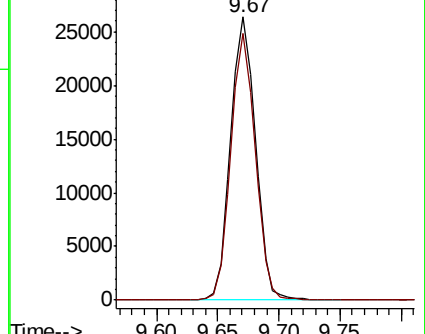
107 100

109 92.4 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.450 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

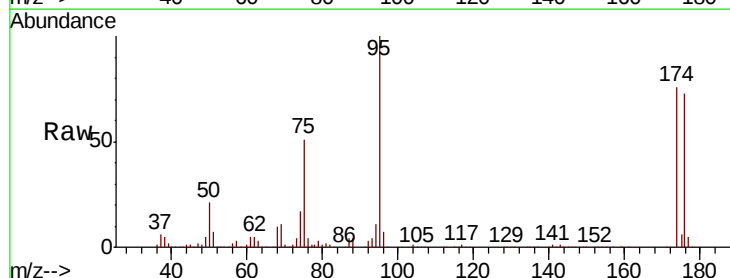
Tgt Ion: 95 Resp: 108071

Ion Ratio Lower Upper

95 100

174 82.1 0.0 161.6

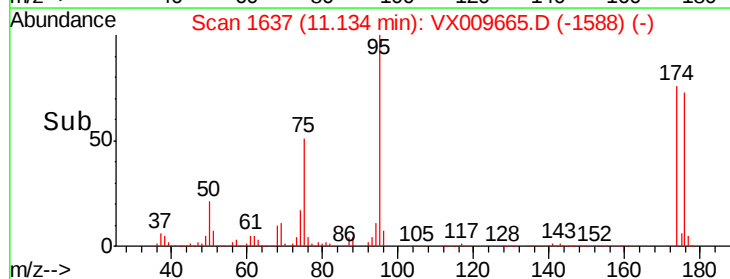
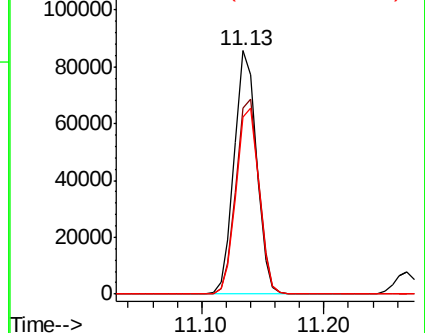
176 78.7 0.0 159.2

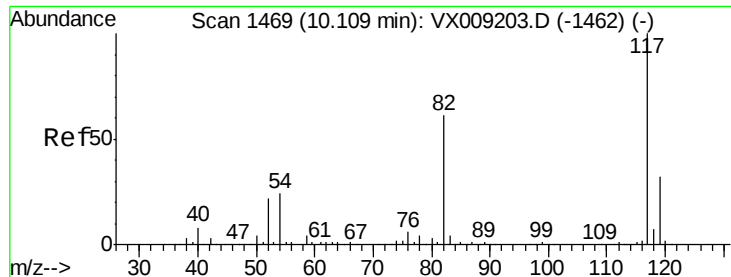


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

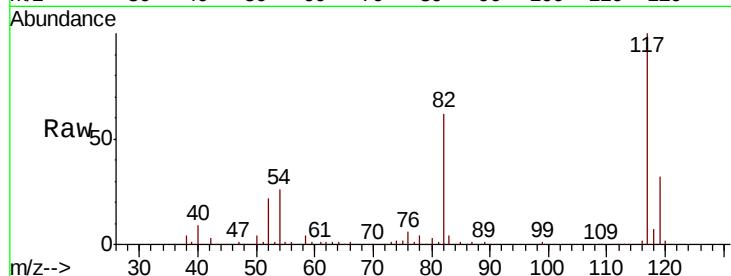




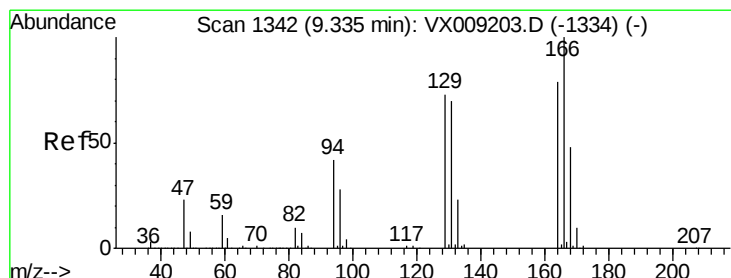
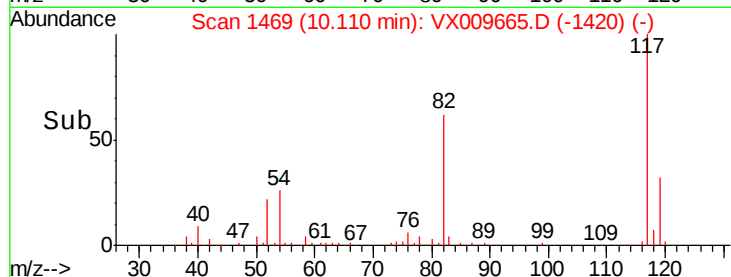
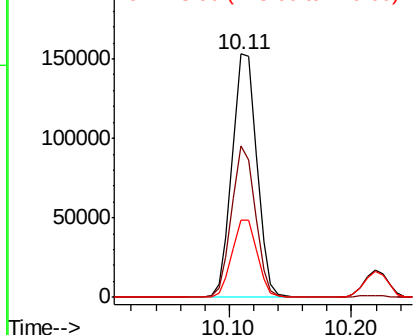
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS02

Tot Ion:117 Resp: 213832
Ion Ratio Lower Upper
117 100
82 62.1 48.8 73.2
119 31.9 25.8 38.6

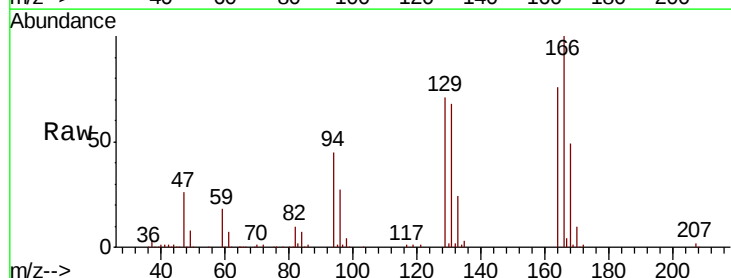


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

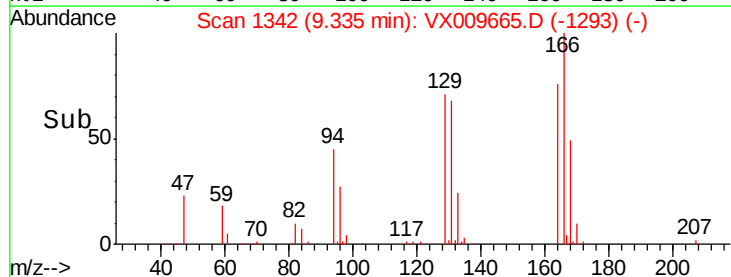
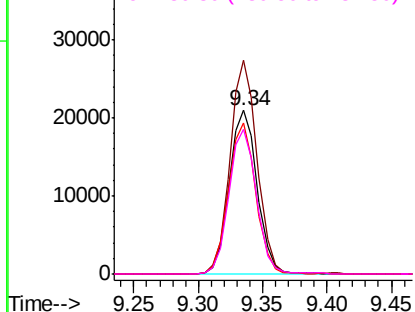


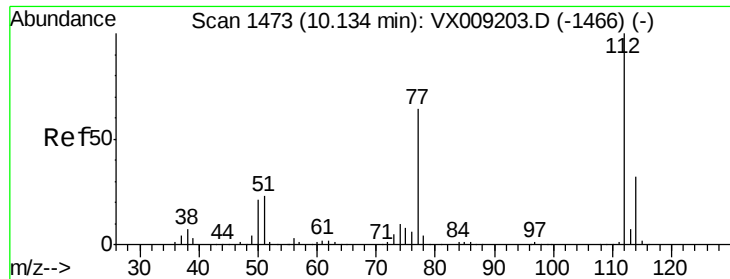
#64
Tetrachloroethene
Concen: 21.580 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Tgt Ion:164 Resp: 31654
Ion Ratio Lower Upper
164 100
166 130.8 101.2 151.8
129 92.8 74.3 111.5
131 88.6 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

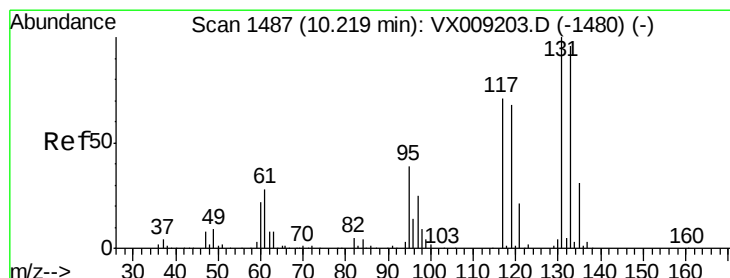
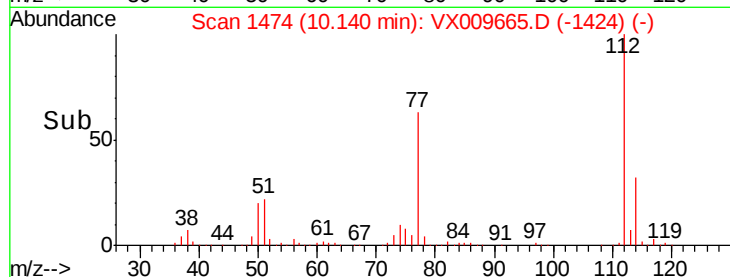
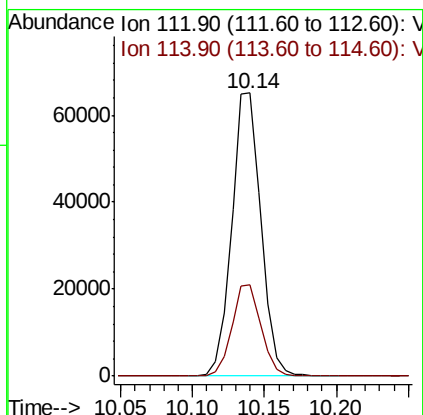
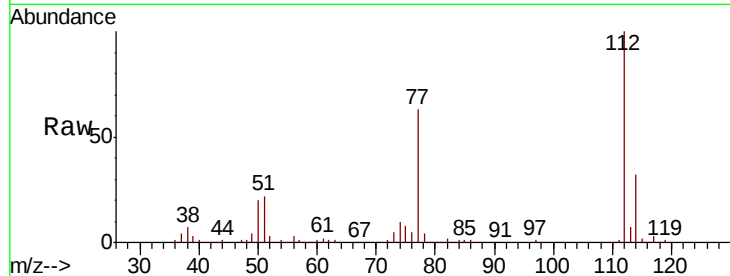




#65
Chlorobenzene
Concen: 21.616 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

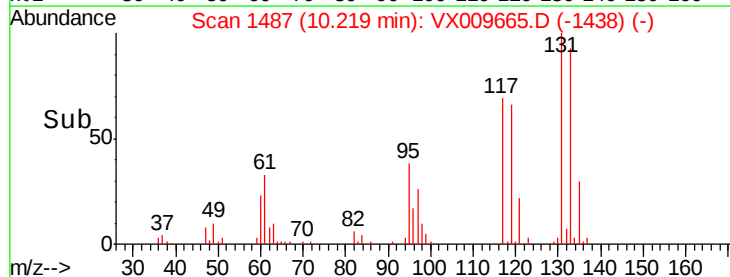
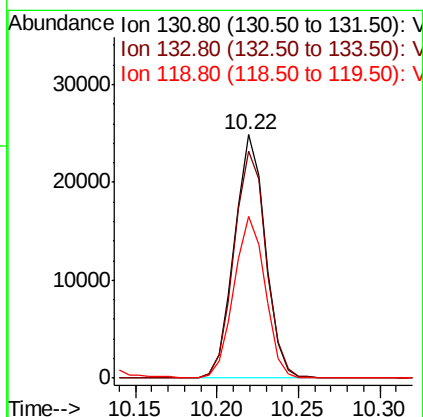
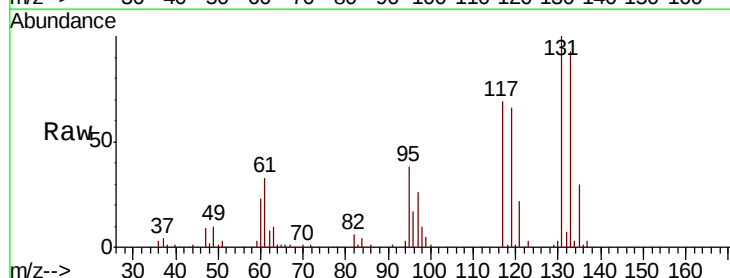
Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS02

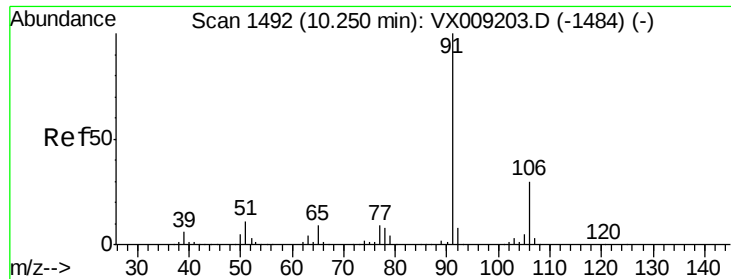
Tot Ion:112 Resp: 92463
Ion Ratio Lower Upper
112 100
114 32.3 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 21.268 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Tgt Ion:131 Resp: 32983
Ion Ratio Lower Upper
131 100
133 96.2 47.7 143.1
119 67.1 33.5 100.4

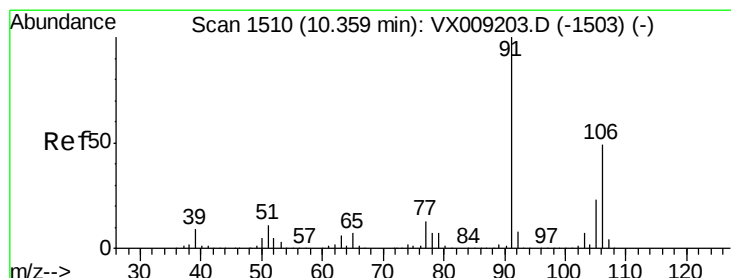
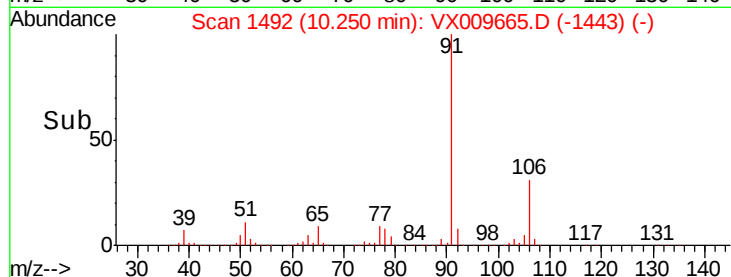
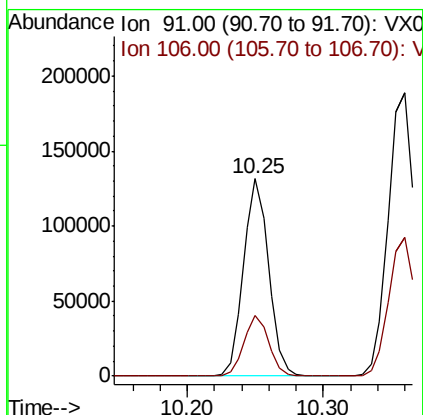
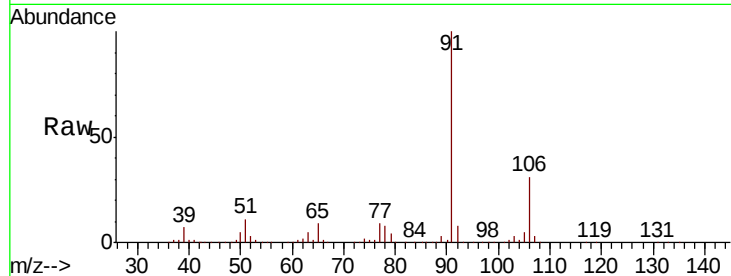




#67
Ethyl Benzene
Concen: 21.644 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

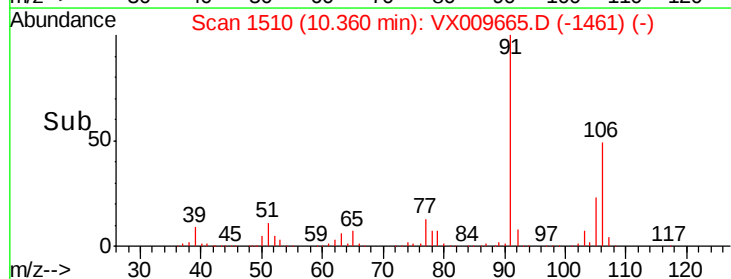
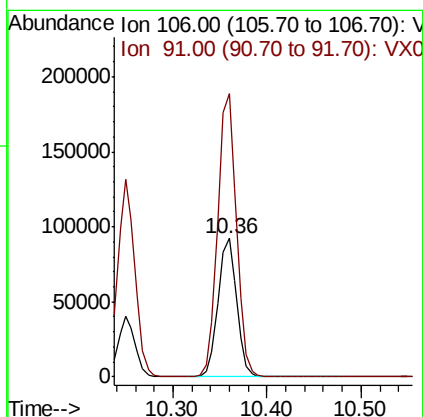
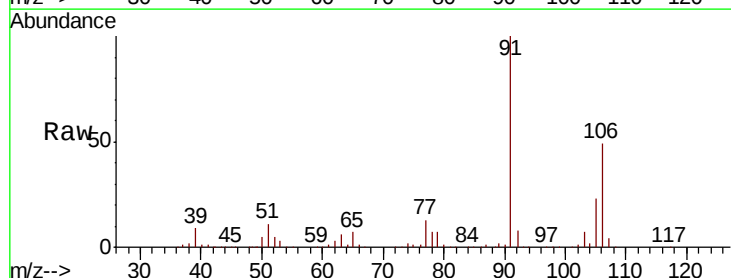
Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS02

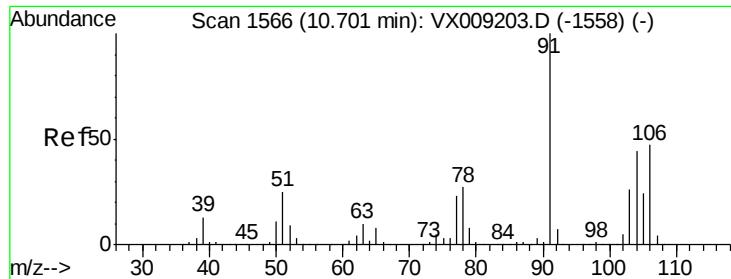
Tot Ion: 91 Resp: 170388
Ion Ratio Lower Upper
91 100
106 30.9 24.0 36.0



#68
m/p-Xylenes
Concen: 43.989 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Tgt Ion: 106 Resp: 126548
Ion Ratio Lower Upper
106 100
91 206.0 164.0 246.0

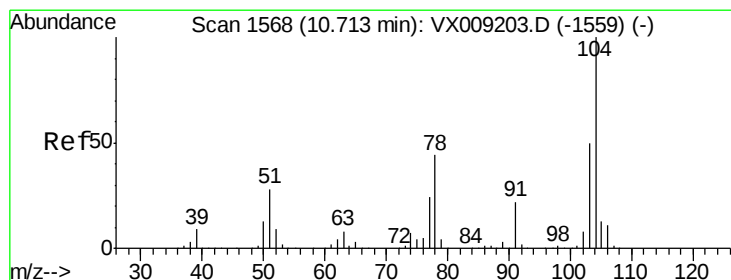
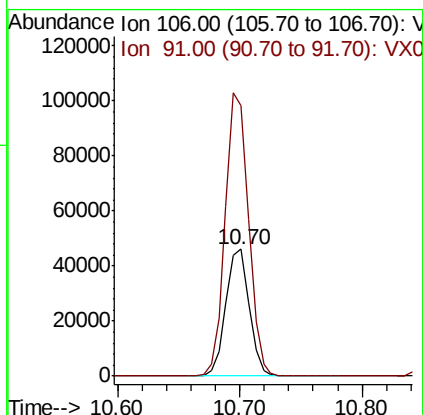
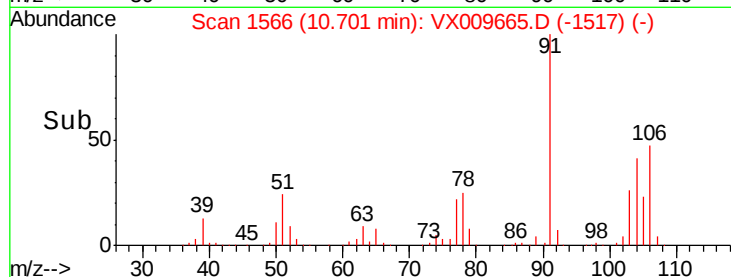
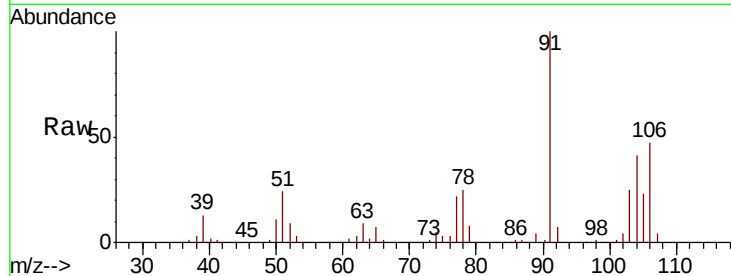




#69
o-Xylene
Concen: 21.626 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

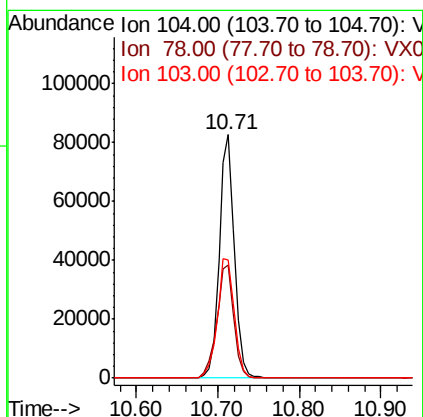
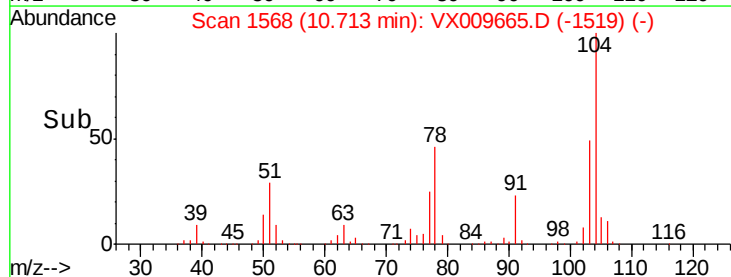
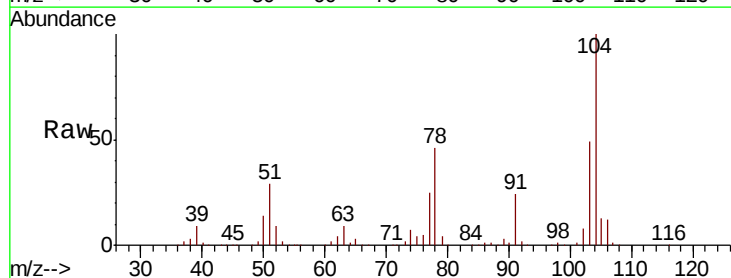
Instrument :
MSVOA_X
ClientSampled :
VX0517WBS02

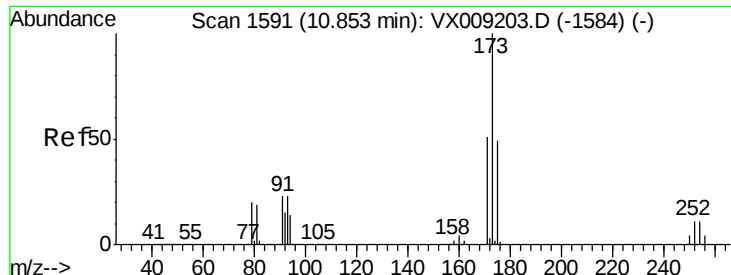
Tot Ion:106 Resp: 61383
Ion Ratio Lower Upper
106 100
91 221.7 109.5 328.4



#70
Styrene
Concen: 21.756 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Tgt Ion:104 Resp: 107330
Ion Ratio Lower Upper
104 100
78 52.9 41.0 61.4
103 55.8 43.8 65.6

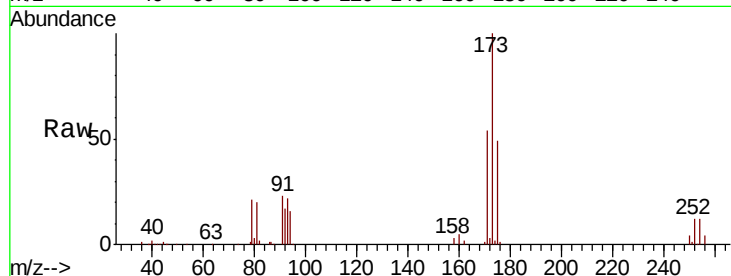




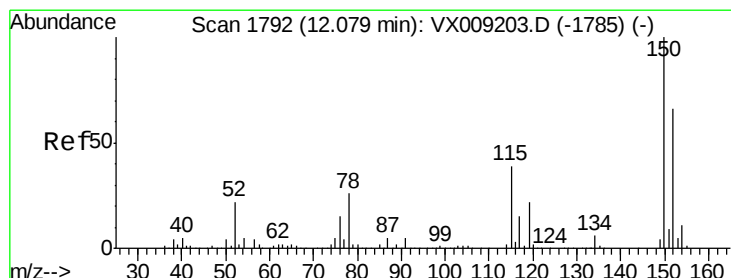
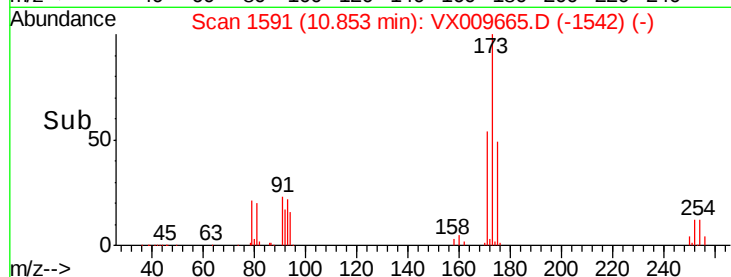
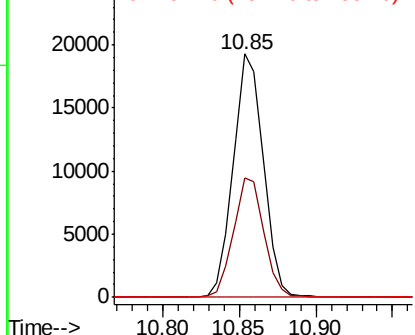
#71
Bromoform
Concen: 20.881 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS02

Tot Ion:173 Resp: 26315
Ion Ratio Lower Upper
173 100
175 49.5 24.5 73.5
254 0.0 0.1 0.1#

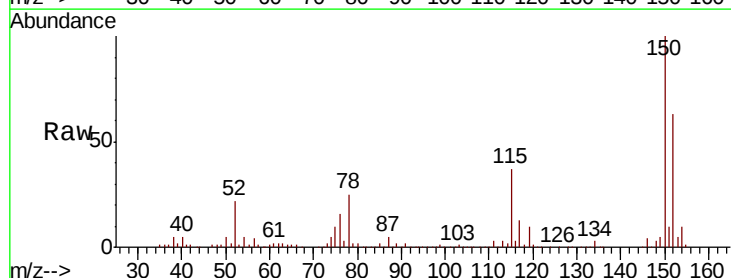


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

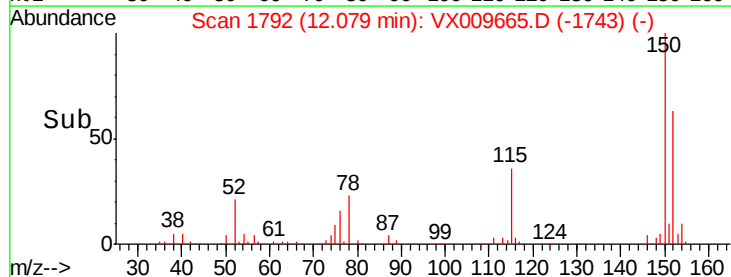
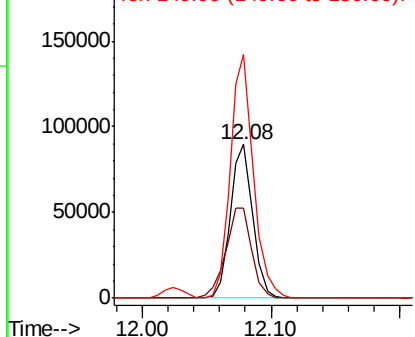


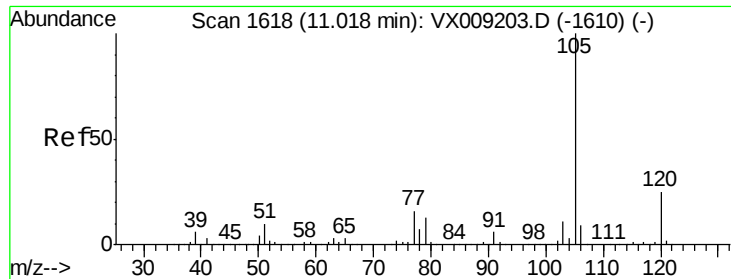
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Tgt Ion:152 Resp: 108601
Ion Ratio Lower Upper
152 100
115 68.6 41.2 123.6
150 164.1 0.0 346.4



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





#73

Isopropylbenzene

Concen: 21.202 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

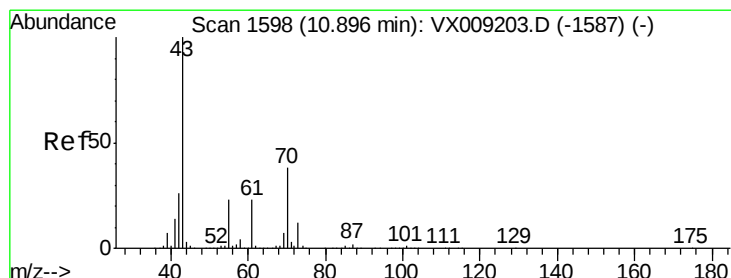
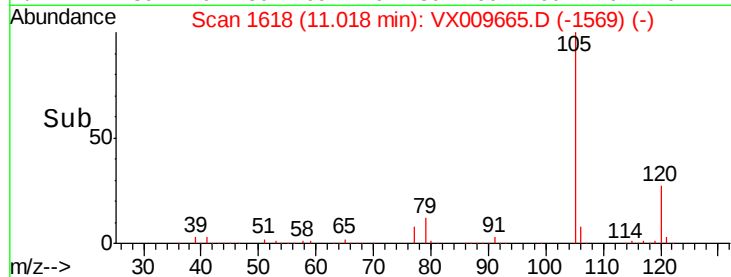
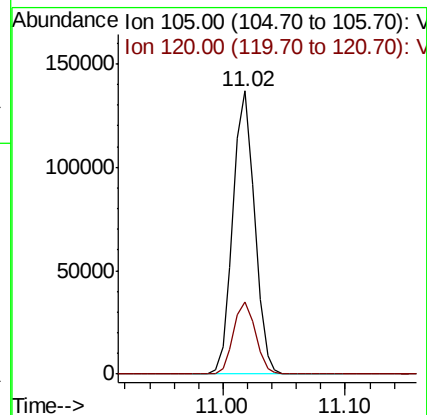
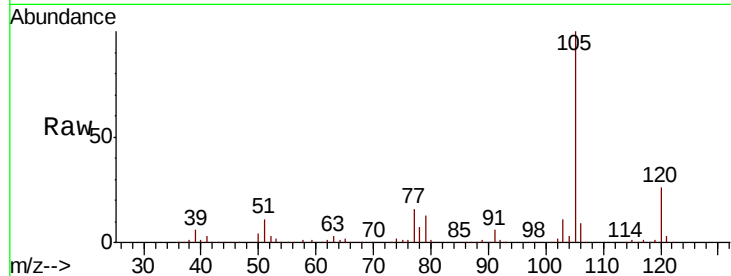
VX0517WBS02

Tot Ion:105 Resp: 167438

Ion Ratio Lower Upper

105 100

120 26.0 12.8 38.3



#74

N-ethyl acetate

Concen: 21.426 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Tgt Ion: 43 Resp: 98652

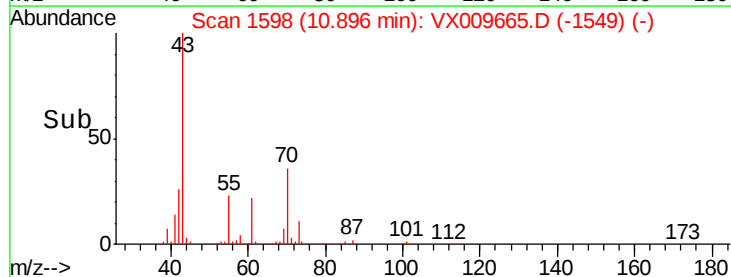
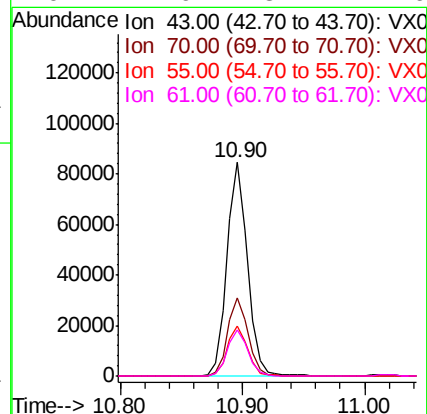
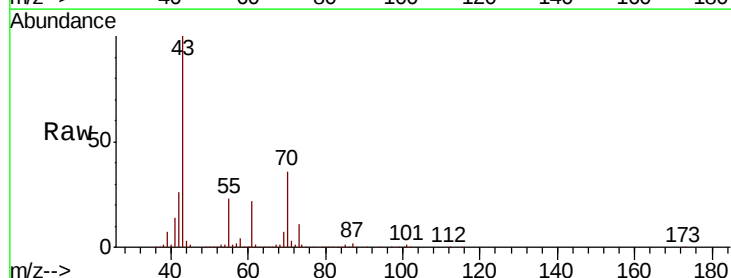
Ion Ratio Lower Upper

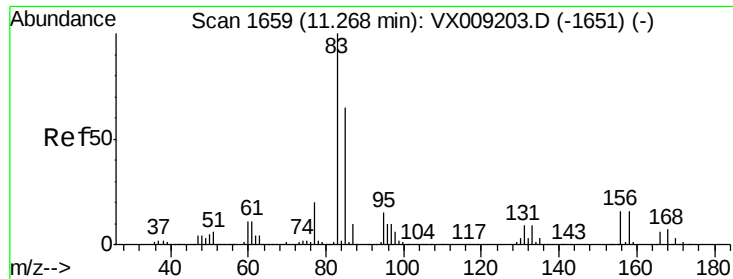
43 100

70 36.5 30.0 45.0

55 23.3 17.9 26.9

61 21.9 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.469 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS02

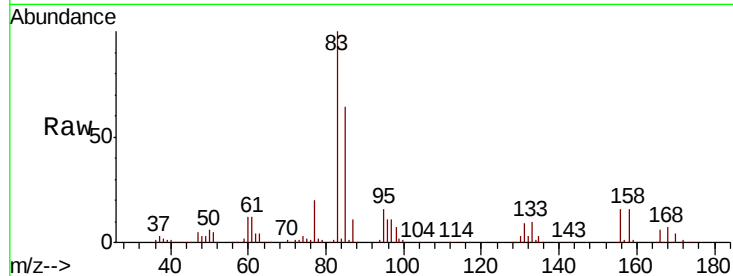
Tot Ion: 83 Resp: 63206

Ion Ratio Lower Upper

83 100

131 9.7 4.6 13.8

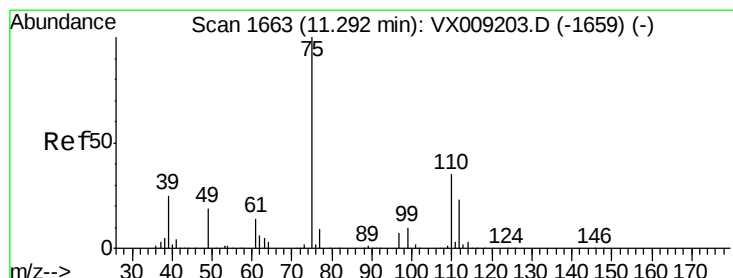
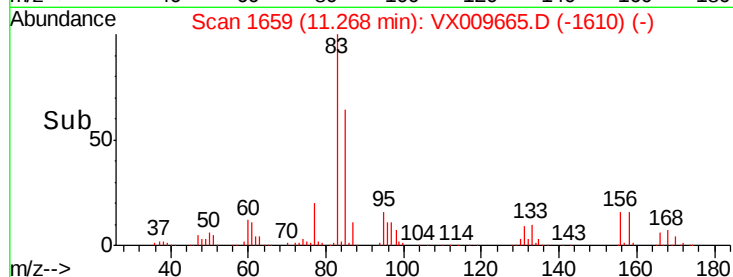
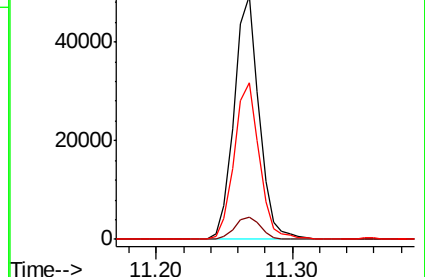
85 65.0 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 28.303 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX009665.D

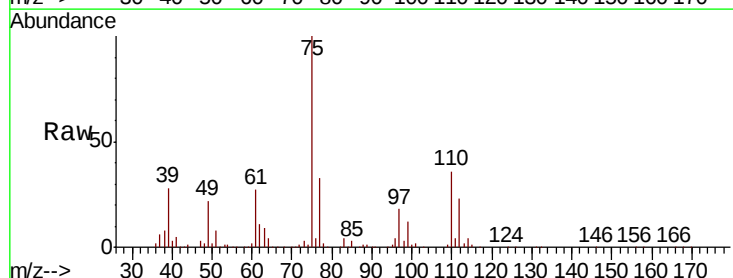
Acq: 17 May 2019 16:34

Tgt Ion: 75 Resp: 71299

Ion Ratio Lower Upper

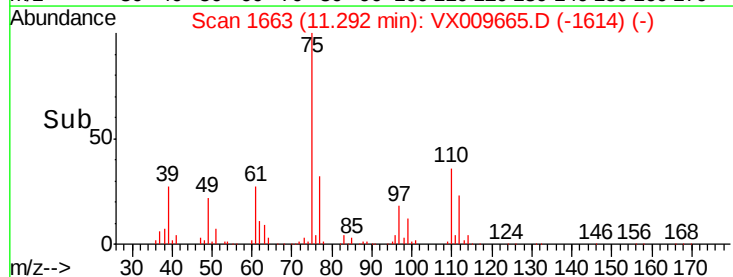
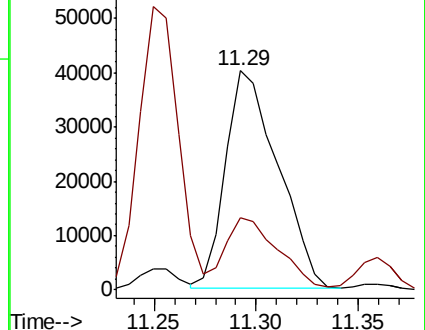
75 100

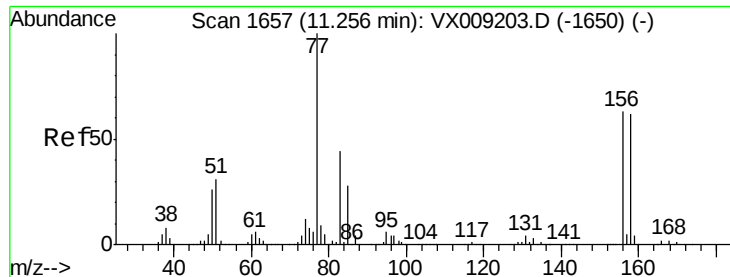
77 33.9 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 21.037 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS02

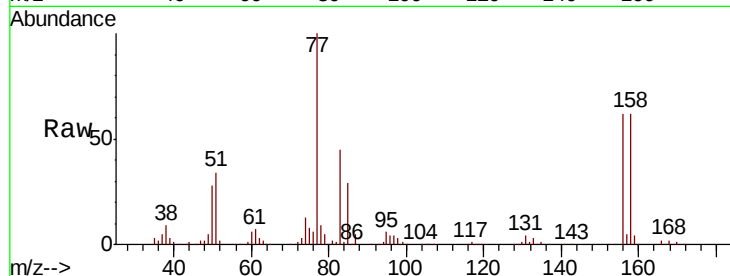
Tot Ion:156 Resp: 41235

Ion Ratio Lower Upper

156 100

77 169.5 84.8 254.3

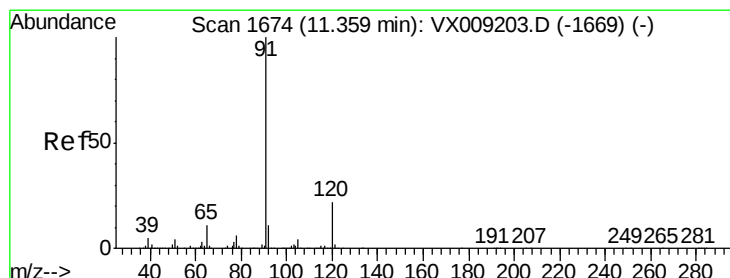
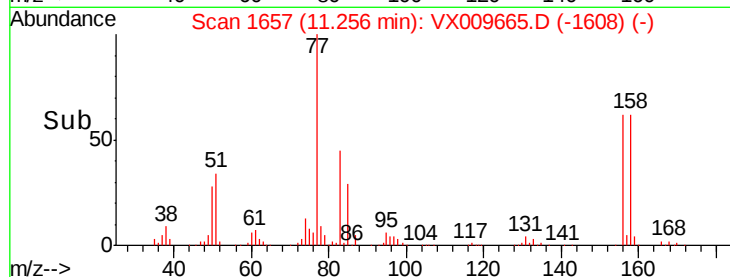
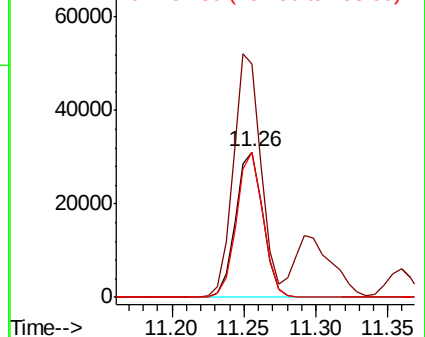
158 97.0 49.1 147.3



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: 21.248 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009665.D

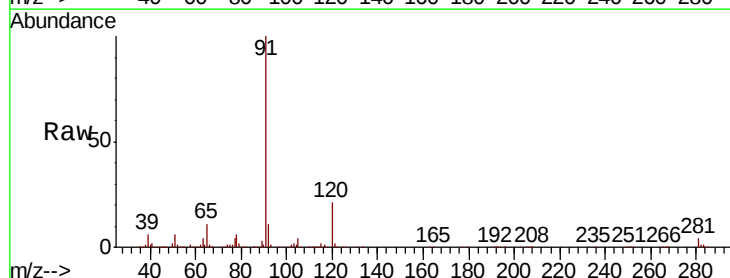
Acq: 17 May 2019 16:34

Tgt Ion: 91 Resp: 191635

Ion Ratio Lower Upper

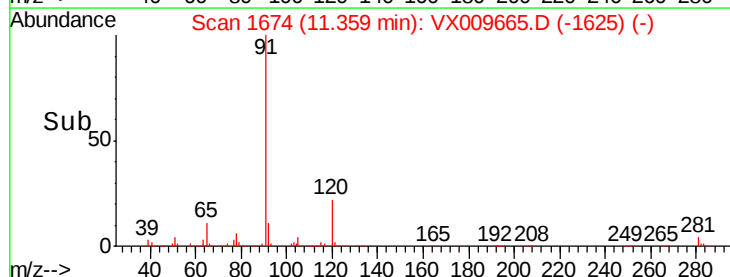
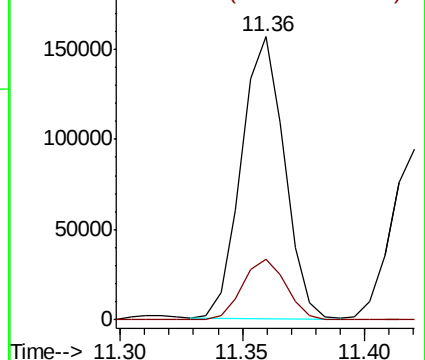
91 100

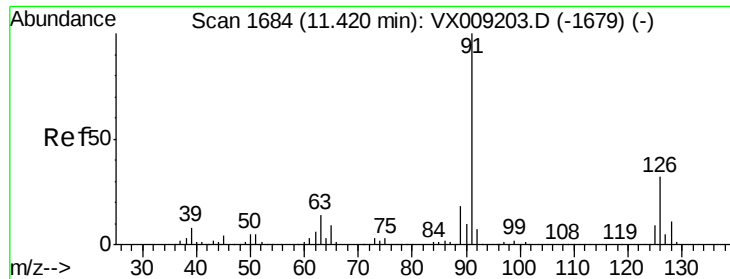
120 21.8 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

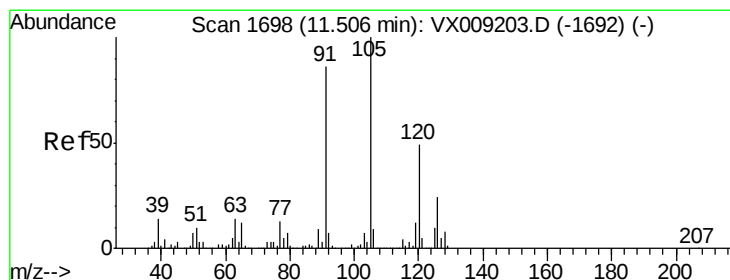
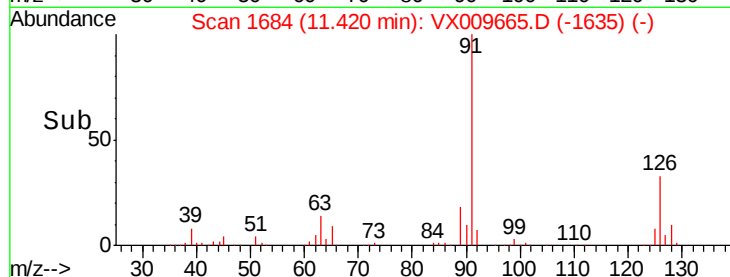
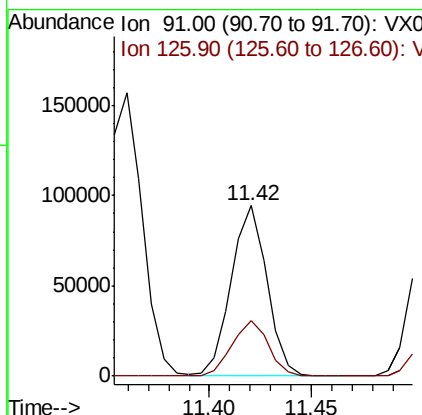
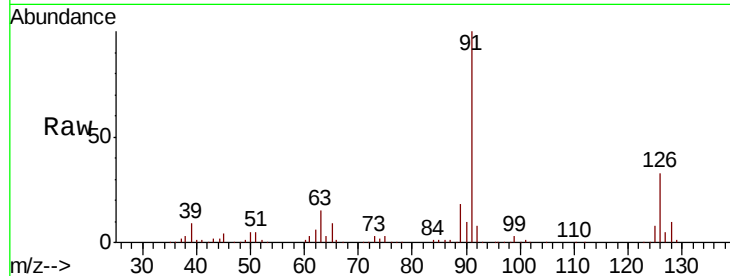




#79
 2-Chlorotoluene
 Concen: 20.541 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX009665.D
 Acq: 17 May 2019 16:34

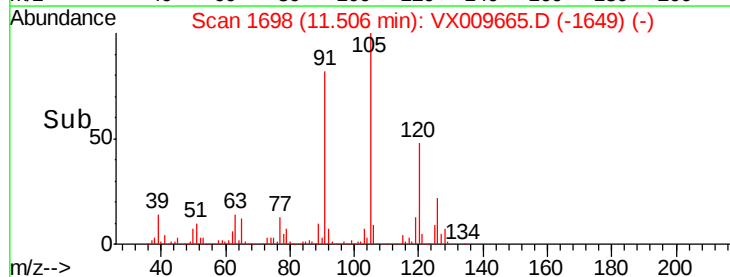
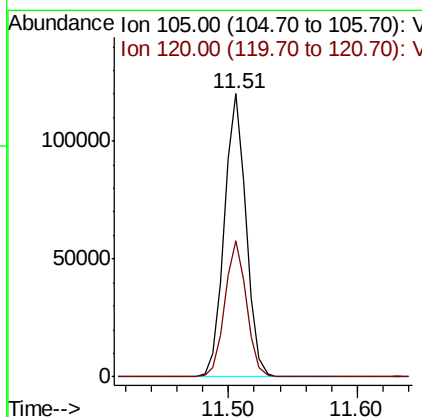
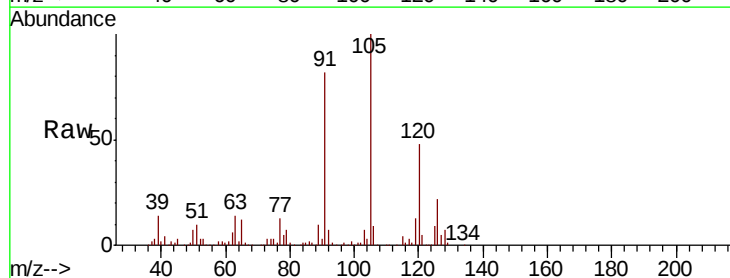
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS02

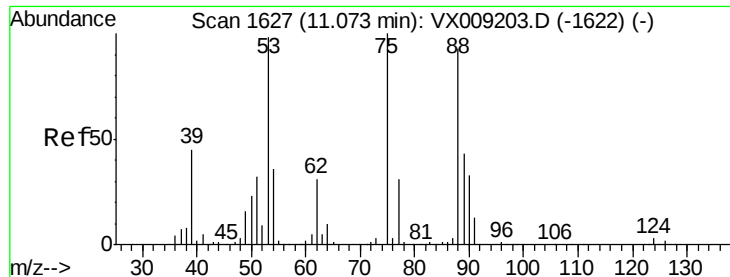
Tot Ion: 91 Resp: 114296
 Ion Ratio Lower Upper
 91 100
 126 33.1 16.3 48.9



#80
 1,3,5-Trimethylbenzene
 Concen: 21.503 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX009665.D
 Acq: 17 May 2019 16:34

Tgt Ion: 105 Resp: 142983
 Ion Ratio Lower Upper
 105 100
 120 47.9 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 19.894 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS02

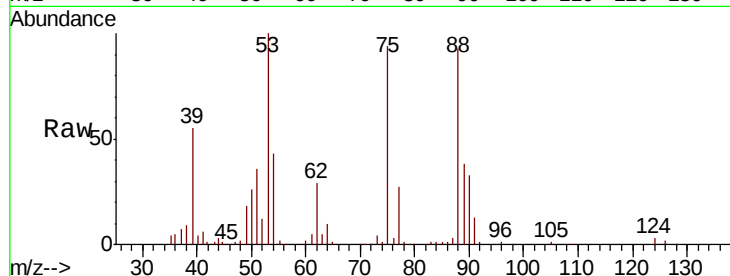
Tot Ion: 75 Resp: 19587

Ion Ratio Lower Upper

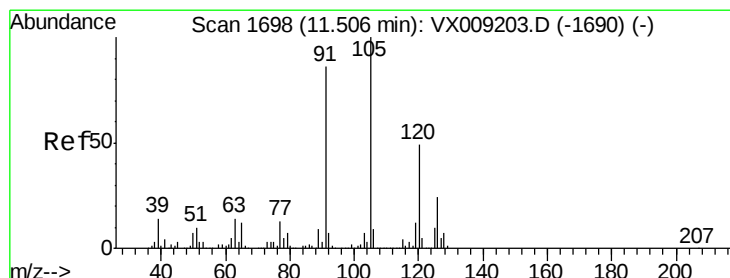
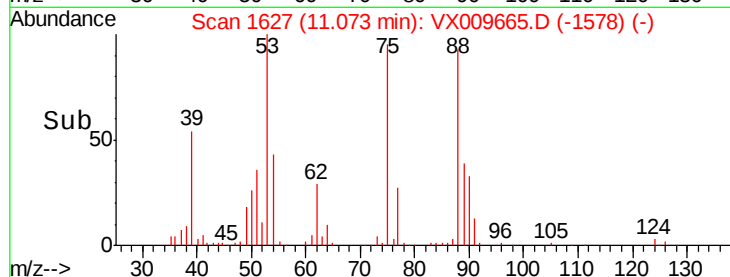
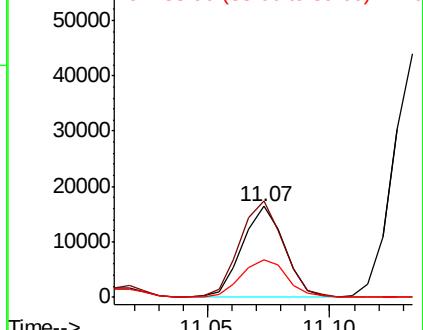
75 100

53 110.6 79.0 118.6

89 44.6 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: 21.104 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX009665.D

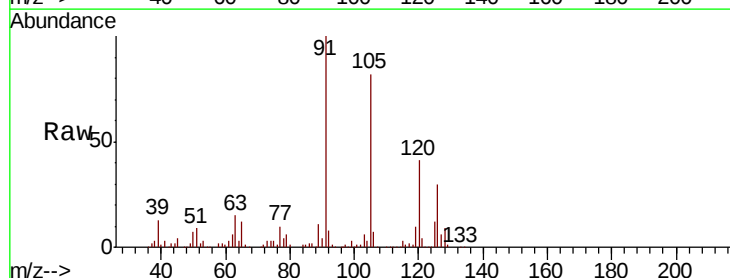
Acq: 17 May 2019 16:34

Tgt Ion: 91 Resp: 132663

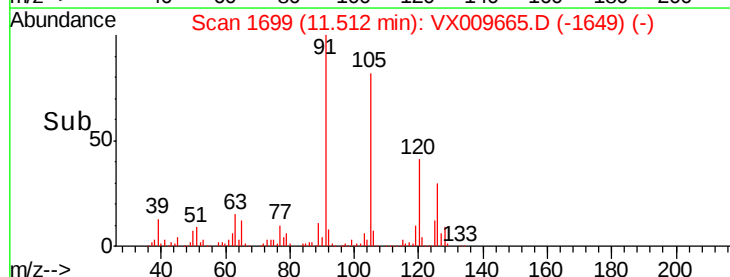
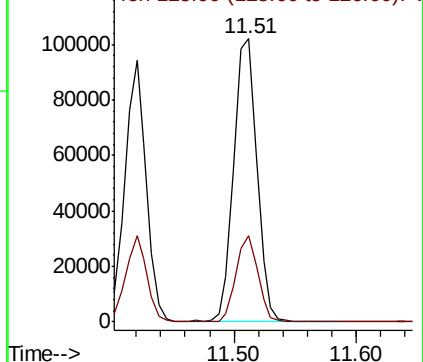
Ion Ratio Lower Upper

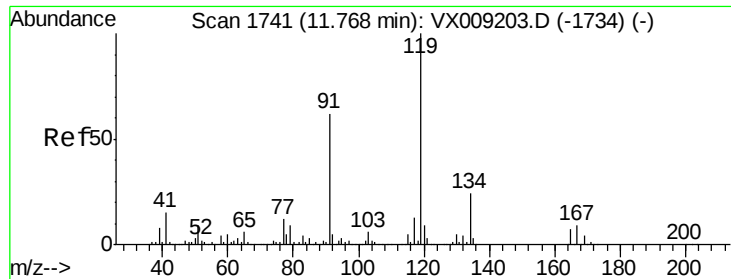
91 100

126 28.8 14.5 43.6



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

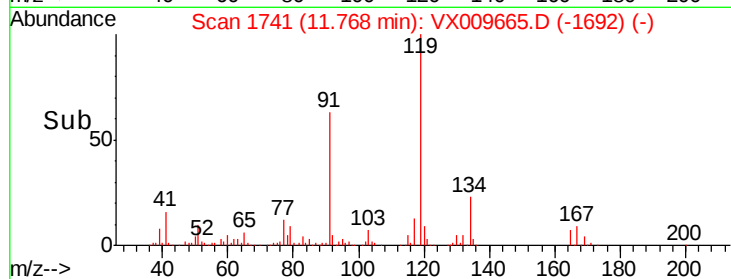
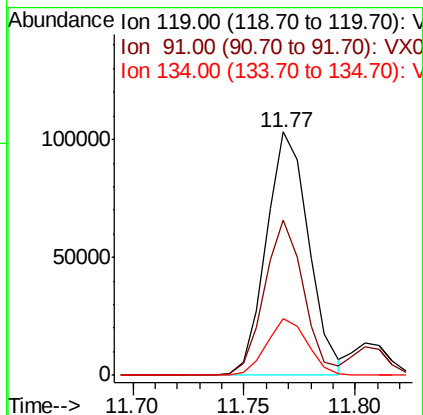
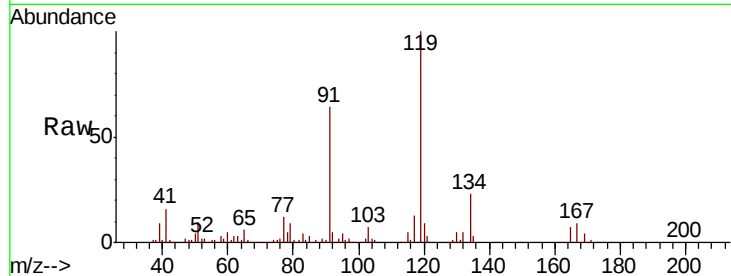




#83
tert-Butylbenzene
Concen: 21.077 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

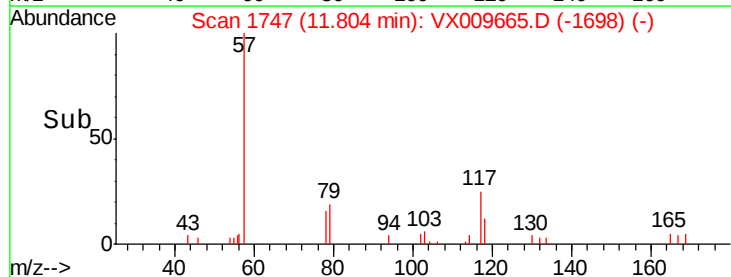
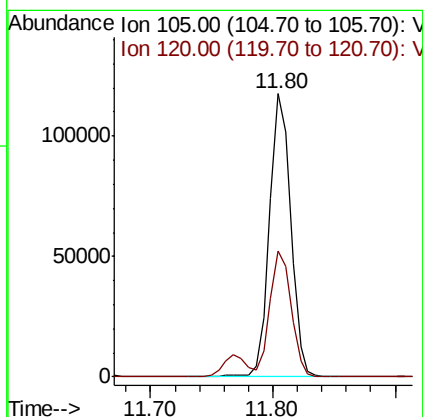
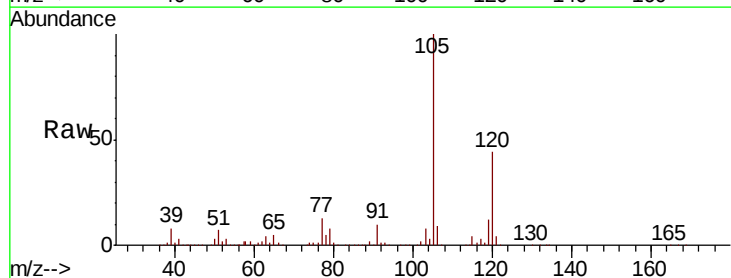
Instrument :
MSVOA_X
ClientSampled :
VX0517WBS02

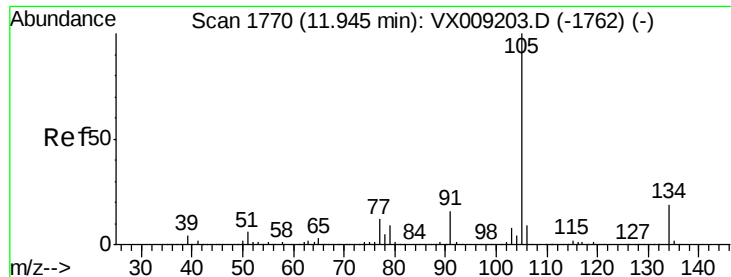
Tot Ion:119 Resp: 136343
Ion Ratio Lower Upper
119 100
91 59.4 29.5 88.5
134 22.6 11.4 34.1



#84
1,2,4-Trimethylbenzene
Concen: 21.296 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Tgt Ion:105 Resp: 142138
Ion Ratio Lower Upper
105 100
120 44.4 22.0 66.0





#85

sec-Butylbenzene

Concen: 21.438 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

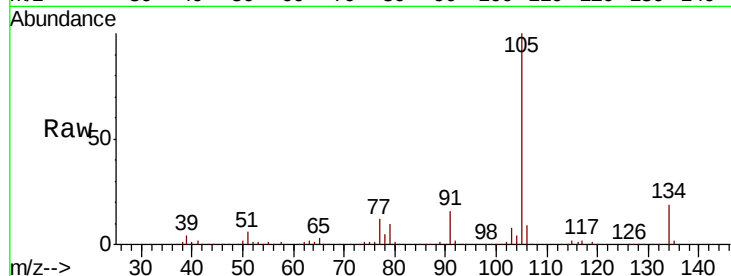
VX0517WBS02

Tot Ion:105 Resp: 164410

Ion Ratio Lower Upper

105 100

134 19.3 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

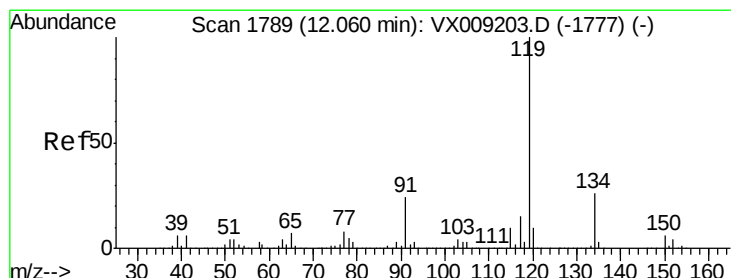
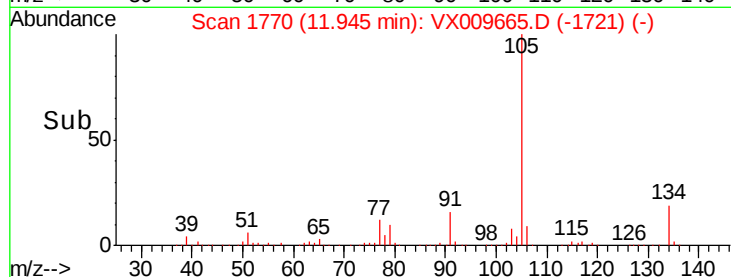
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.572 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

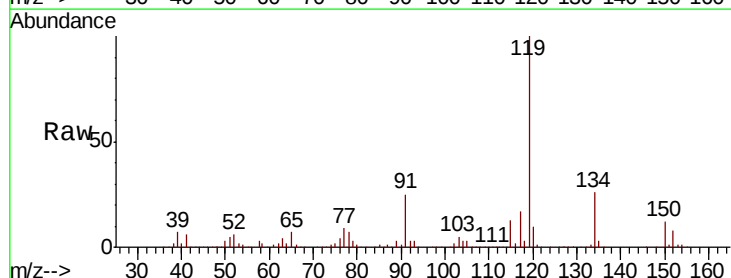
Tgt Ion:119 Resp: 148729

Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.7

91 24.0 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

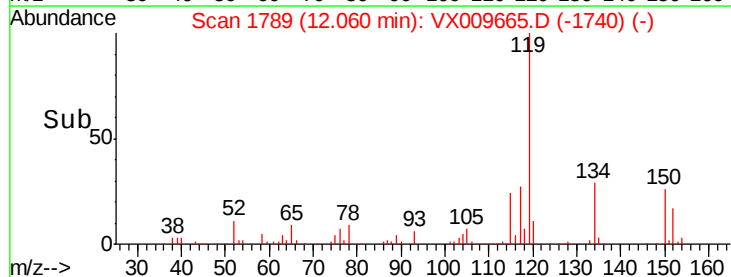
150000

100000

50000

0

Time-->

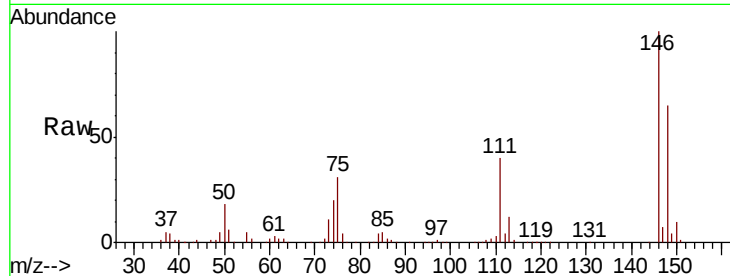




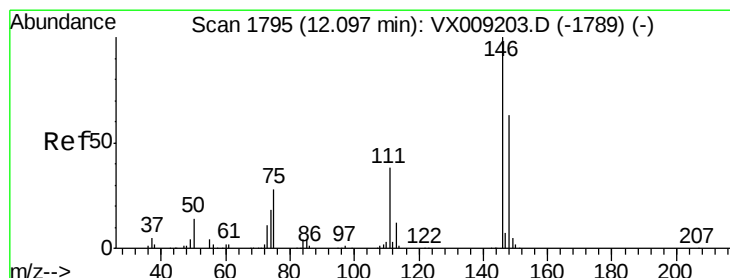
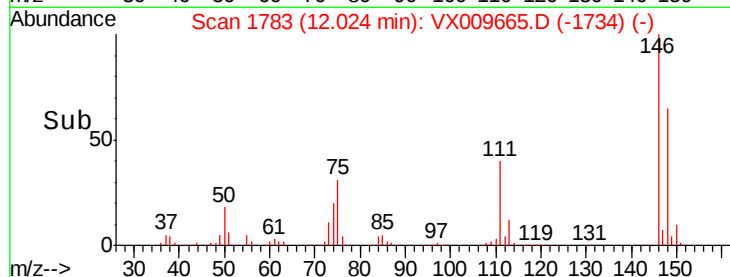
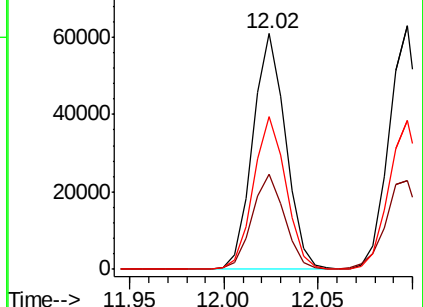
#87
 1,3-Dichlorobenzene
 Concen: 21.043 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009665.D
 Acq: 17 May 2019 16:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS02

Tot Ion:146 Resp: 73531
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.0 59.9
 148 64.2 31.8 95.3

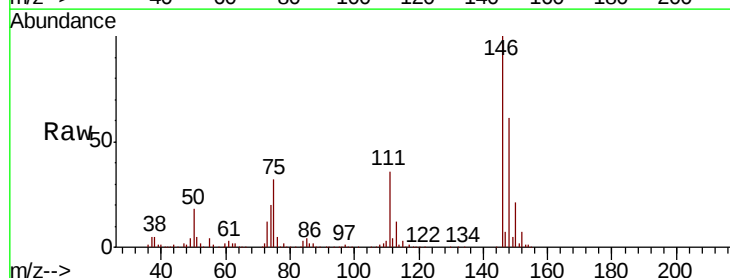


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

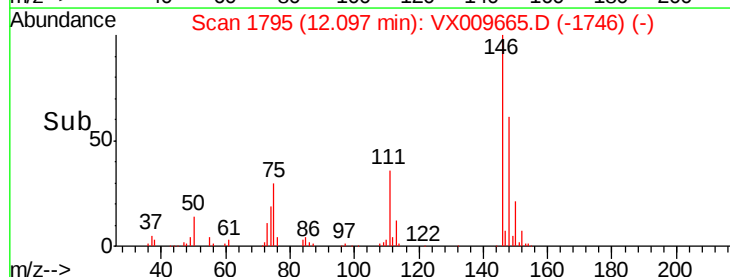
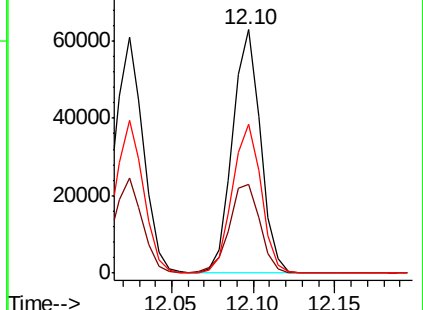


#88
 1,4-Dichlorobenzene
 Concen: 21.294 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009665.D
 Acq: 17 May 2019 16:34

Tgt Ion:146 Resp: 75018
 Ion Ratio Lower Upper
 146 100
 111 40.1 19.6 58.8
 148 63.3 31.8 95.3



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

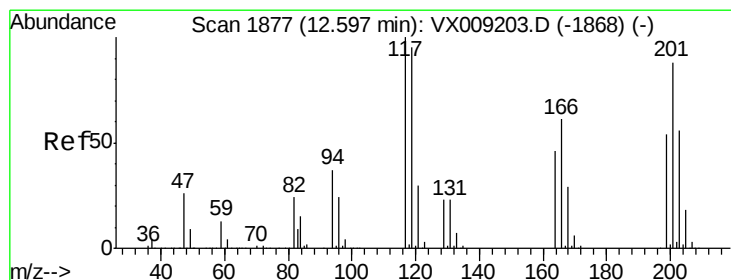
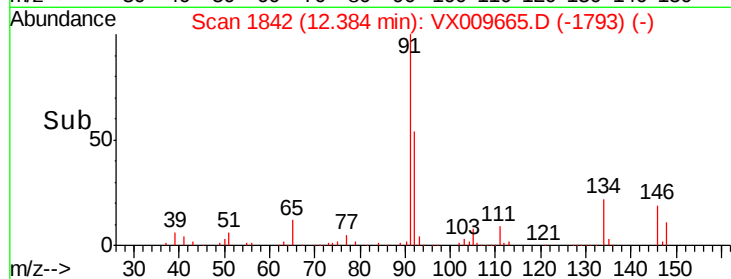
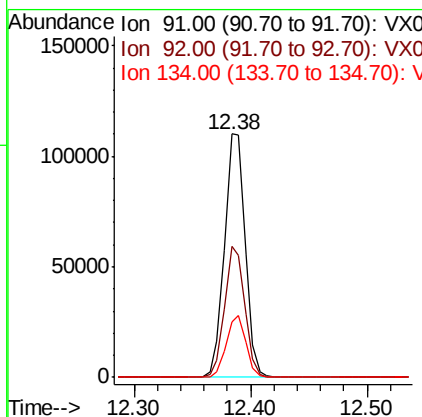
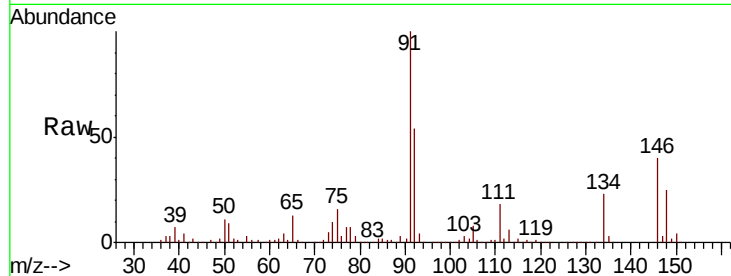




#89
n-Butylbenzene
Concen: 21.816 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

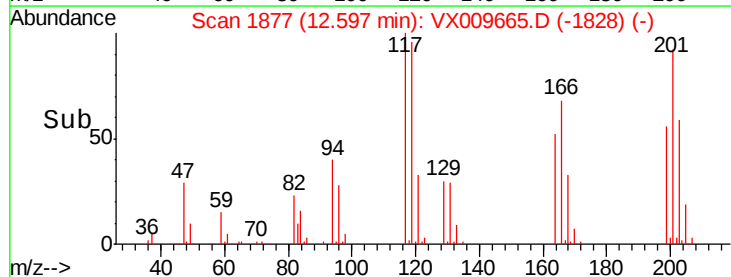
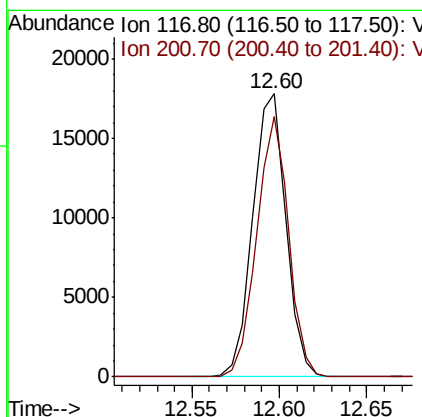
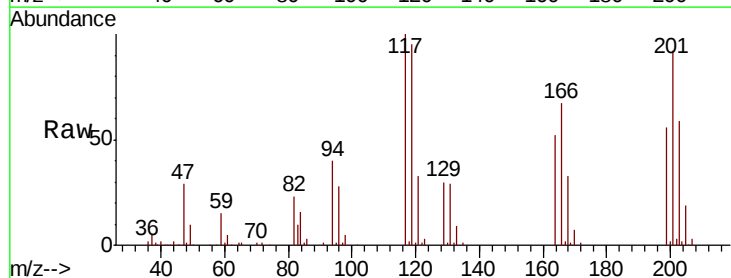
Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS02

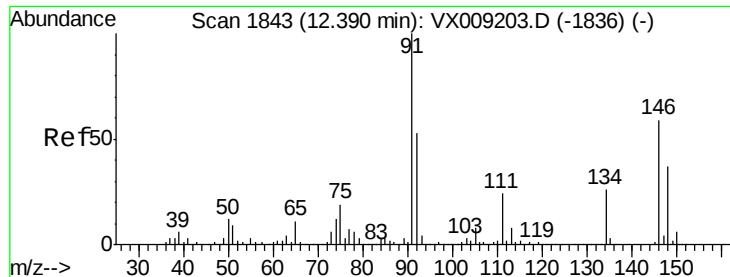
Tot Ion: 91 Resp: 135943
Ion Ratio Lower Upper
91 100
92 52.0 26.5 79.5
134 24.2 12.4 37.2



#90
Hexachloroethane
Concen: 20.197 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Tgt Ion: 117 Resp: 23723
Ion Ratio Lower Upper
117 100
201 88.1 42.3 126.9

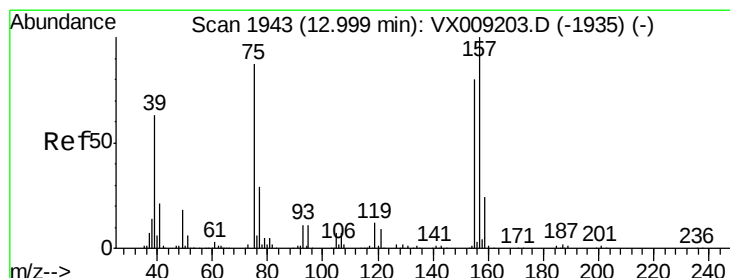
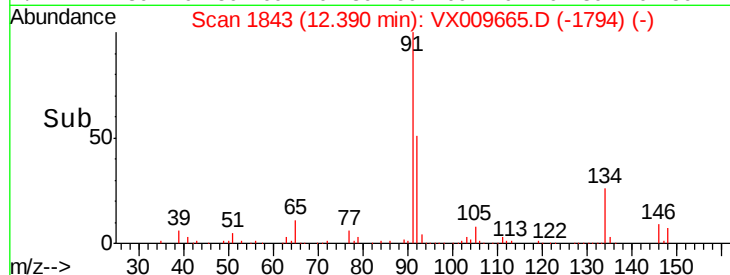
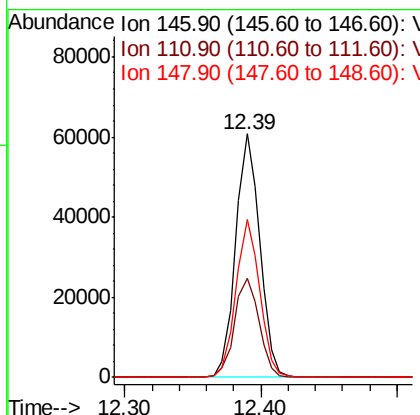
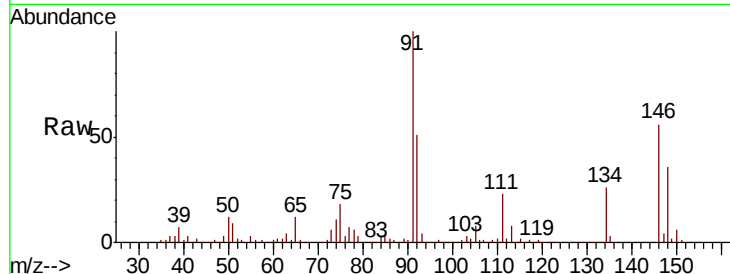




#91
 1,2-Dichlorobenzene
 Concen: 21.107 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009665.D
 Acq: 17 May 2019 16:34

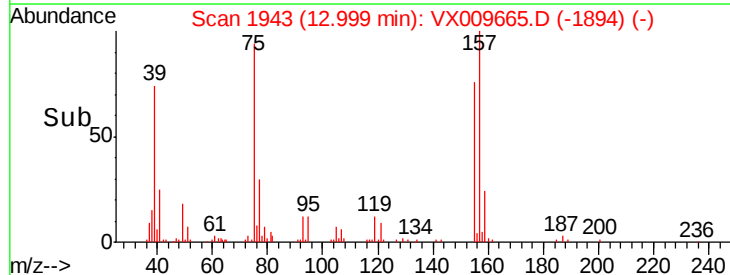
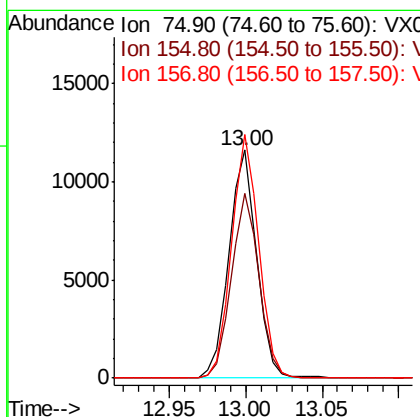
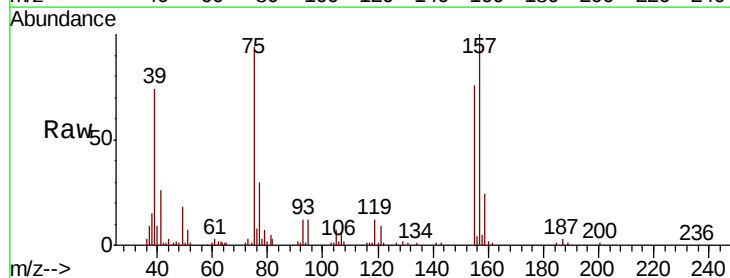
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS02

Tot Ion:146 Resp: 75124
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.8 62.4
 148 63.9 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.033 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009665.D
 Acq: 17 May 2019 16:34

Tgt Ion: 75 Resp: 14551
 Ion Ratio Lower Upper
 75 100
 155 80.9 42.0 126.0
 157 104.0 53.2 159.6

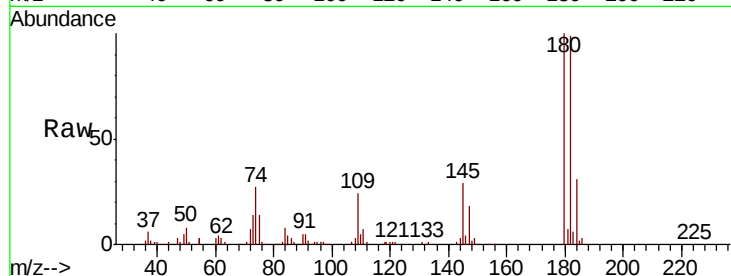




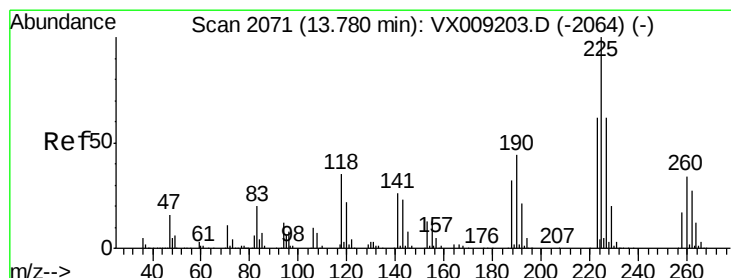
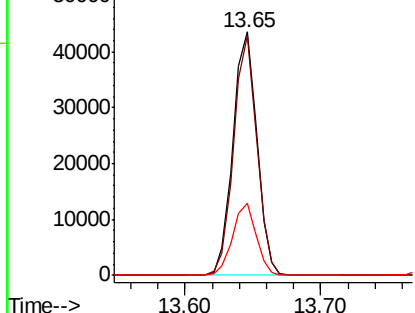
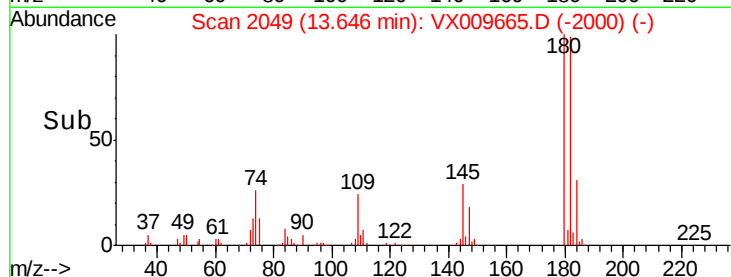
#93
1,2,4-Trichlorobenzene
Concen: 22.014 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS02

Tot Ion:180 Resp: 53579
Ion Ratio Lower Upper
180 100
182 95.5 48.4 145.2
145 29.1 14.6 43.8

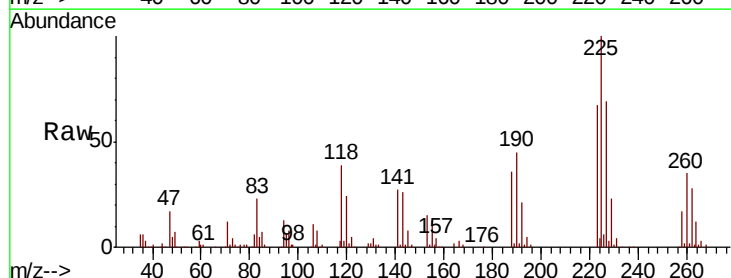


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

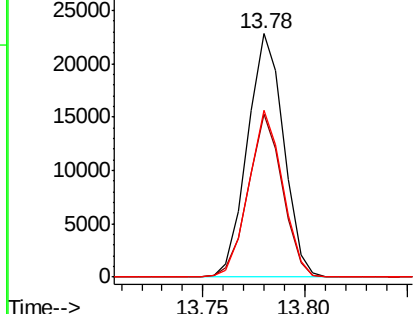
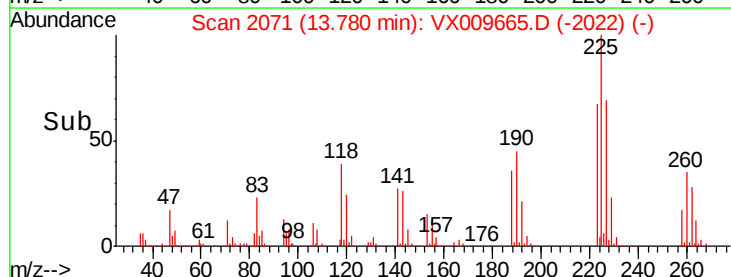


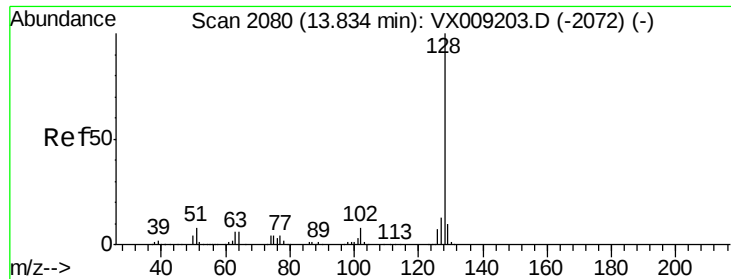
#94
Hexachlorobutadiene
Concen: 22.623 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Tgt Ion:225 Resp: 28118
Ion Ratio Lower Upper
225 100
223 63.4 31.3 93.8
227 64.6 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

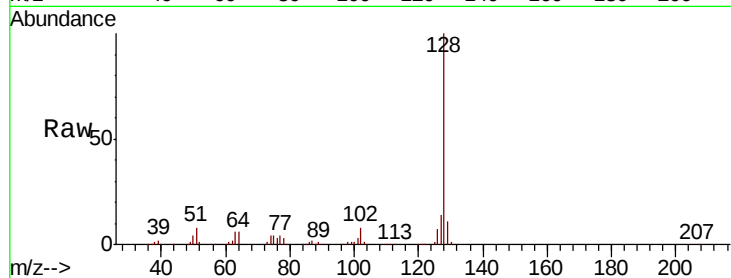




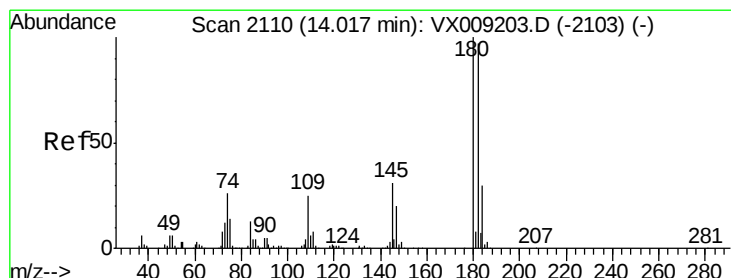
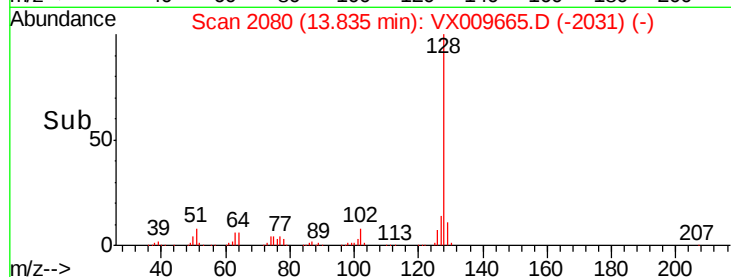
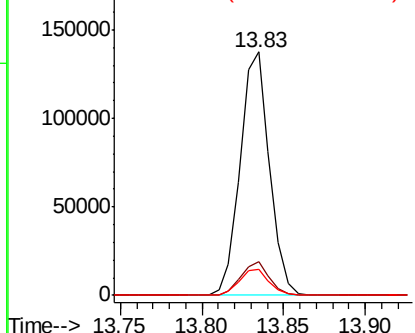
#95
Naphthalene
Concen: 21.677 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS02

Tot Ion:128 Resp: 171643
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 10.8 8.6 13.0

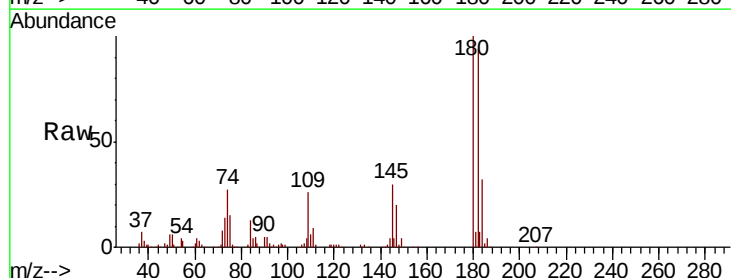


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.856 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Tgt Ion:180 Resp: 53921
Ion Ratio Lower Upper
180 100
182 96.6 47.8 143.4
145 31.2 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

