

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX053119\
 Data File : VX010001.D
 Acq On : 31 May 2019 22:37
 Operator : JC/SP
 Sample : VX0531WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0531WBS02

Quant Time: Jun 01 04:46:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	165717	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	264536	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	238717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	115044	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	109524	46.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.58%	
35) Dibromofluoromethane	5.50	113	80554	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
50) Toluene-d8	8.71	98	324841	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	
62) 4-Bromofluorobenzene	11.13	95	117401	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	41253	20.372	ug/l	99
3) Chloromethane	1.33	50	47013	17.269	ug/l	99
4) Vinyl Chloride	1.41	62	43173	17.592	ug/l	98
5) Bromomethane	1.64	94	23052	15.503	ug/l	95
6) Chloroethane	1.72	64	26869	17.785	ug/l	96
7) Trichlorofluoromethane	1.93	101	51520	18.997	ug/l	96
8) Diethyl Ether	2.19	74	22316	17.511	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	30589	18.682	ug/l	99
10) Methyl Iodide	2.51	142	22743	14.829	ug/l	100
11) Tert butyl alcohol	3.04	59	64390	111.770	ug/l	97
12) 1,1-Dichloroethene	2.37	96	31337	18.672	ug/l	98
13) Acrolein	2.29	56	28007	83.895	ug/l	100
14) Allyl chloride	2.73	41	74050	18.154	ug/l	100
15) Acrylonitrile	3.14	53	129366	93.198	ug/l	99
16) Acetone	2.45	43	118252	87.431	ug/l	100
17) Carbon Disulfide	2.57	76	91986	18.347	ug/l	100
18) Methyl Acetate	2.78	43	60458	19.211	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	119965	18.934	ug/l	100
20) Methylene Chloride	2.85	84	38265	18.475	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	33525	17.953	ug/l	99
22) Diisopropyl ether	3.85	45	145506	18.748	ug/l	98
23) Vinyl Acetate	3.82	43	642835	92.200	ug/l	99
24) 1,1-Dichloroethane	3.70	63	70087	18.634	ug/l	99
25) 2-Butanone	4.68	43	196277	93.146	ug/l	97
26) 2,2-Dichloropropane	4.58	77	42312	14.871	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	39018	18.101	ug/l	97
28) Bromochloromethane	5.02	49	33170	16.995	ug/l	98
29) Tetrahydrofuran	5.13	42	127563	94.403	ug/l	98
30) Chloroform	5.21	83	63728	18.787	ug/l	98
31) Cyclohexane	5.58	56	67455	18.936	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	53564	19.390	ug/l	100
36) 1,1-Dichloropropene	5.80	75	48265	17.982	ug/l	99
37) Ethyl Acetate	4.84	43	71018	18.990	ug/l	98
38) Carbon Tetrachloride	5.79	117	44242	19.075	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	59278	18.619	ug/l	98
40) Benzene	6.15	78	151046	18.971	ug/l	99
41) Methacrylonitrile	5.04	41	40896	18.714	ug/l	99
42) 1,2-Dichloroethane	6.19	62	55471	18.845	ug/l	99
43) Isopropyl Acetate	6.45	43	112968	18.721	ug/l	100
44) Trichloroethene	7.21	130	35755	18.488	ug/l	100
45) 1,2-Dichloropropane	7.51	63	43234	18.863	ug/l	100
46) Dibromomethane	7.66	93	24870	18.434	ug/l	99
47) Bromodichloromethane	7.90	83	48985	19.094	ug/l	99
48) Methyl methacrylate	7.77	41	55971	18.737	ug/l	98
49) 1,4-Dioxane	7.74	88	21888	393.913	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	377132	96.073	ug/l	99
52) Toluene	8.78	92	92408	19.115	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	54686	17.773	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	60717	18.112	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	36870	18.949	ug/l	98
56) Ethyl methacrylate	9.18	69	66824	19.291	ug/l	99
57) 1,3-Dichloropropane	9.37	76	65279	18.682	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	172735	95.096	ug/l	100
59) 2-Hexanone	9.49	43	294073	97.303	ug/l	100
60) Dibromochloromethane	9.58	129	36422	19.029	ug/l	99
61) 1,2-Dibromoethane	9.67	107	37515	18.767	ug/l	98
64) Tetrachloroethene	9.34	164	33592	20.146	ug/l	97
65) Chlorobenzene	10.13	112	94559	18.921	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	33611	19.391	ug/l	98
67) Ethyl Benzene	10.25	91	174943	19.496	ug/l	99
68) m/p-Xylenes	10.36	106	127482	38.456	ug/l	99
69) o-Xylene	10.69	106	62652	19.707	ug/l	98
70) Styrene	10.71	104	107238	19.236	ug/l	99
71) Bromoform	10.85	173	27640	19.508	ug/l #	99
73) Isopropylbenzene	11.02	105	167139	19.691	ug/l	100
74) N-amyl acetate	10.90	43	99672	19.651	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	61939	19.559	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	70453	25.609	ug/l	83
77) Bromobenzene	11.26	156	41486	19.178	ug/l	97
78) n-propylbenzene	11.36	91	189747	19.394	ug/l	100
79) 2-Chlorotoluene	11.42	91	114305	19.122	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	140163	19.601	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	18525	16.660	ug/l	92
82) 4-Chlorotoluene	11.51	91	131054	18.833	ug/l	99
83) tert-Butylbenzene	11.77	119	134203	19.616	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	139808	19.251	ug/l	99
85) sec-Butylbenzene	11.94	105	161073	19.790	ug/l	100
86) p-Isopropyltoluene	12.06	119	144800	19.779	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	72782	18.899	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	73155	18.626	ug/l	99
89) n-Butylbenzene	12.38	91	128736	18.712	ug/l	100
90) Hexachloroethane	12.59	117	24648	19.619	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	73041	19.237	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14507	19.462	ug/l	98

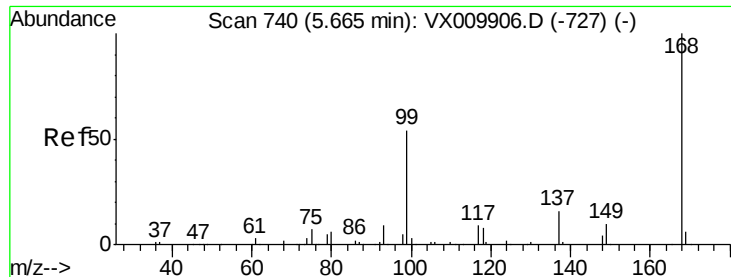
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	53027	19.543	ug/l	99
94) Hexachlorobutadiene	13.78	225	26076	19.160	ug/l	99
95) Naphthalene	13.83	128	169244	20.043	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	52755	19.423	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: VX010001.D

Acq: 31 May 2019 22:37

Instrument :

MSVOA_X

ClientSampleId :

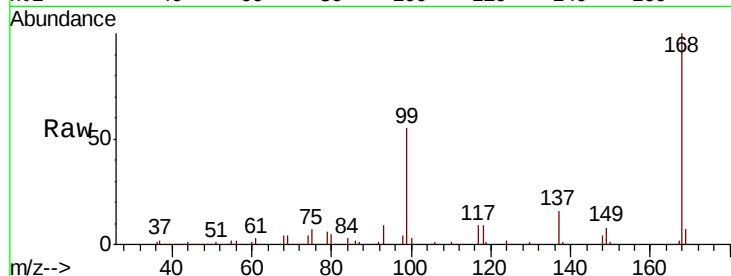
VX0531WBS02

Tot Ion:168 Resp: 165717

Ion Ratio Lower Upper

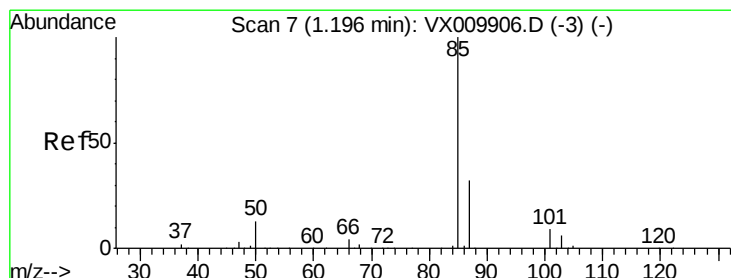
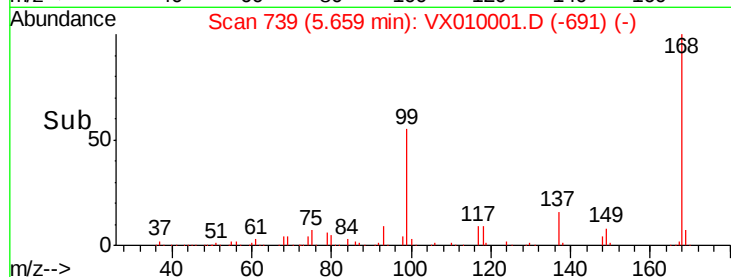
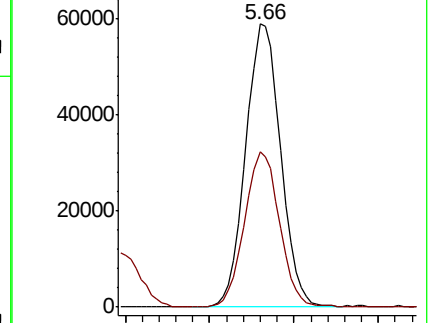
168 100

99 55.0 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 20.372 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010001.D

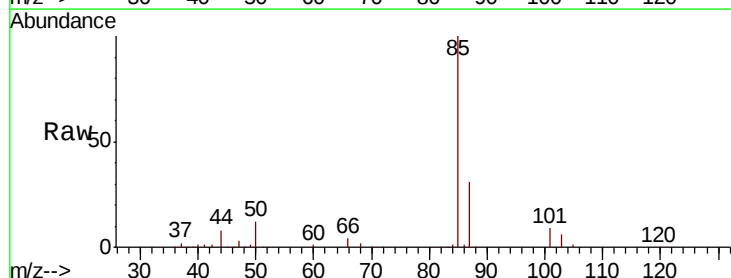
Acq: 31 May 2019 22:37

Tgt Ion: 85 Resp: 41253

Ion Ratio Lower Upper

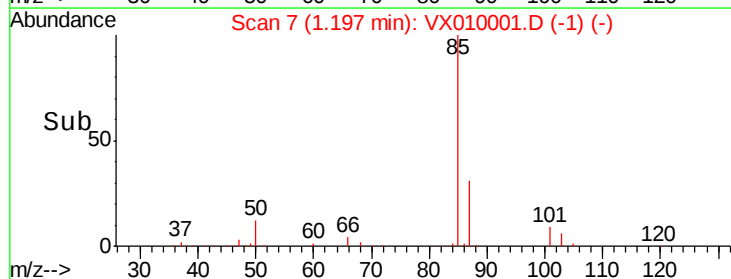
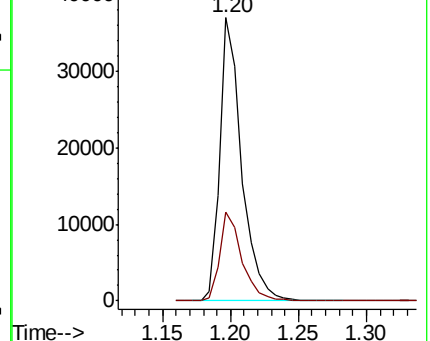
85 100

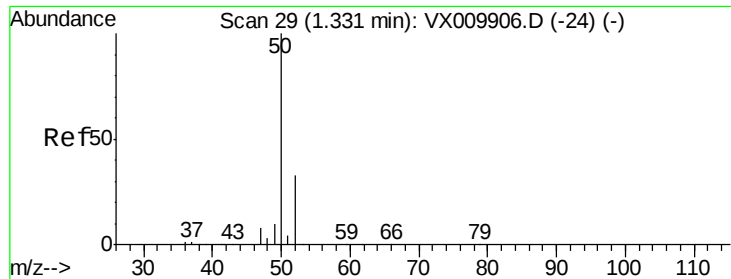
87 31.4 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 17.269 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Instrument :

MSVOA_X

ClientSampleId :

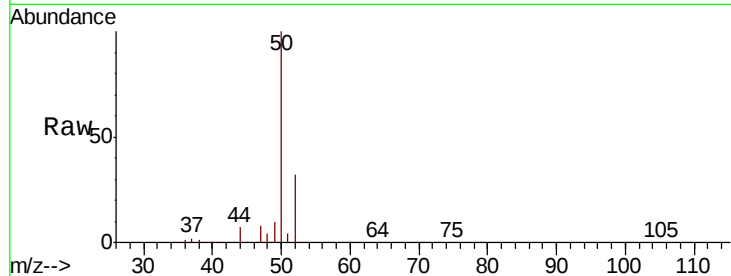
VX0531WBS02

Tot Ion: 50 Resp: 47013

Ion Ratio Lower Upper

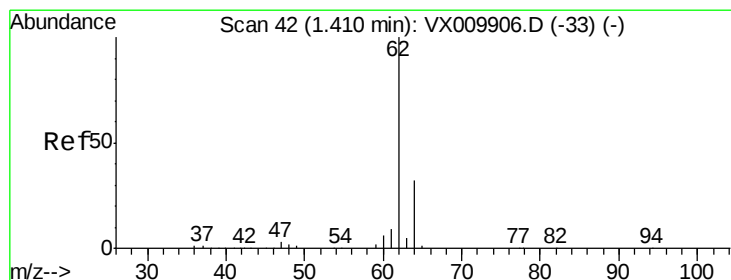
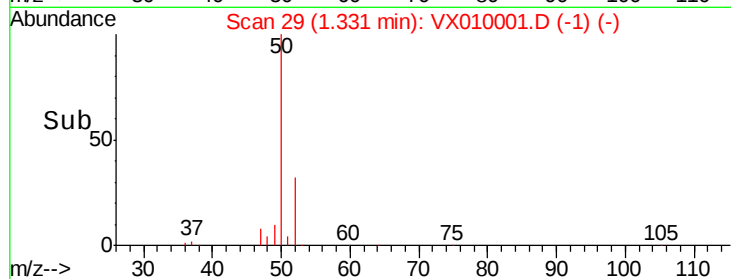
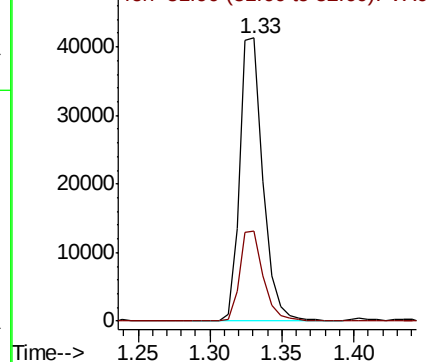
50 100

52 32.0 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 17.592 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010001.D

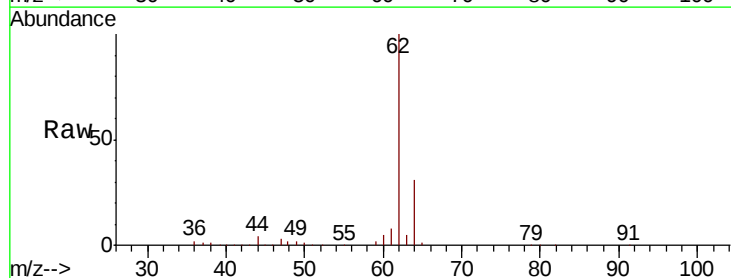
Acq: 31 May 2019 22:37

Tgt Ion: 62 Resp: 43173

Ion Ratio Lower Upper

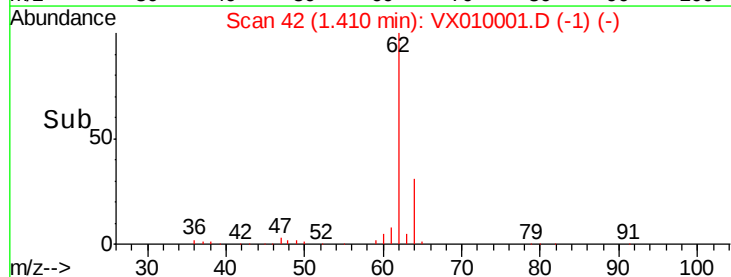
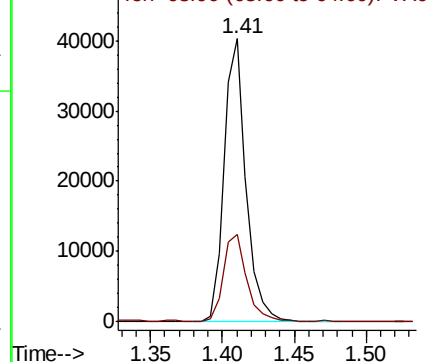
62 100

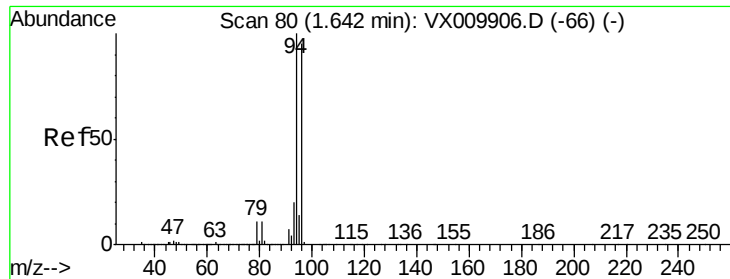
64 30.7 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 15.503 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Instrument :

MSVOA_X

ClientSampleId :

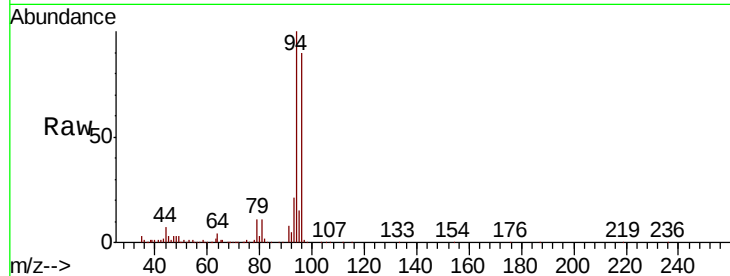
VX0531WBS02

Tot Ion: 94 Resp: 23052

Ion Ratio Lower Upper

94 100

96 90.4 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

25000

20000

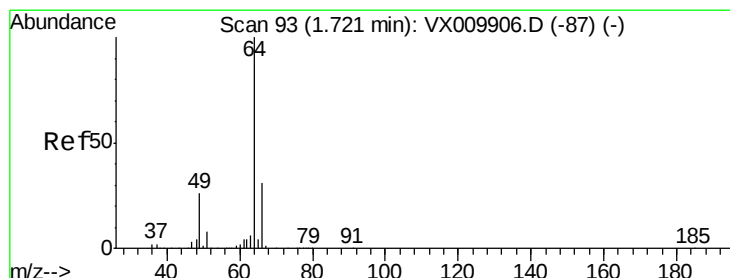
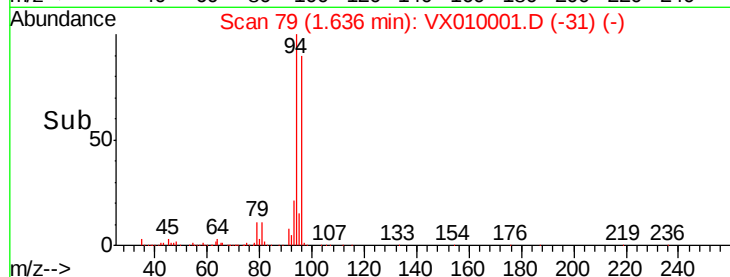
15000

10000

5000

0

Time--> 1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 17.785 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX010001.D

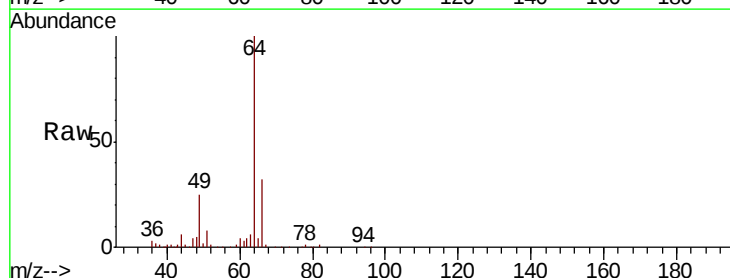
Acq: 31 May 2019 22:37

Tgt Ion: 64 Resp: 26869

Ion Ratio Lower Upper

64 100

66 33.3 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

20000

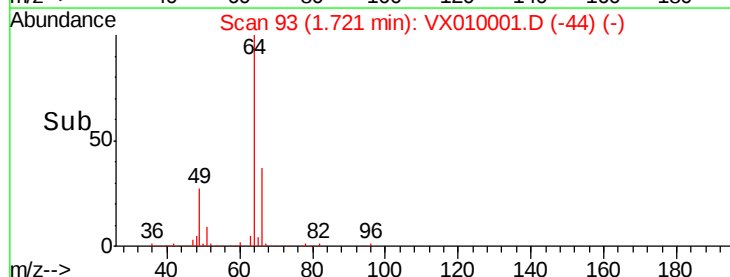
15000

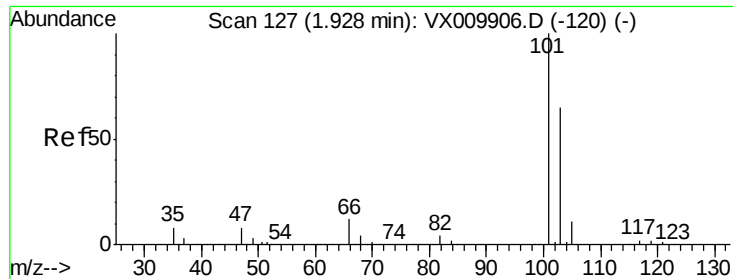
10000

5000

0

Time--> 1.65 1.70 1.75 1.80



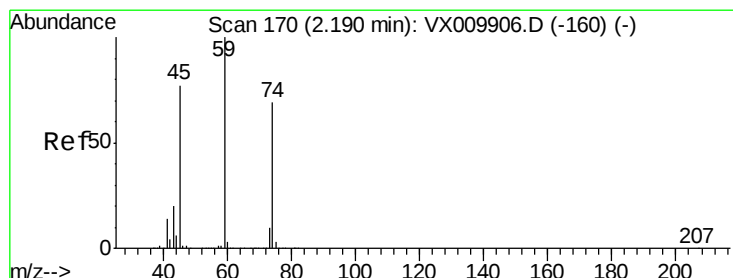
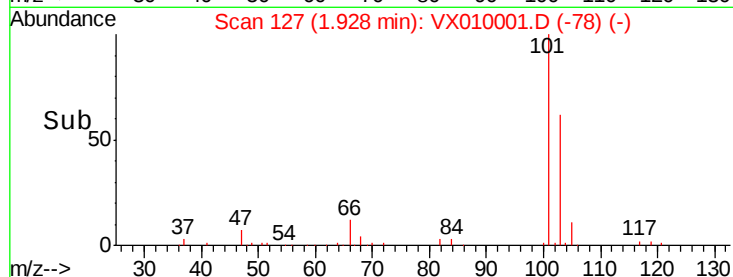
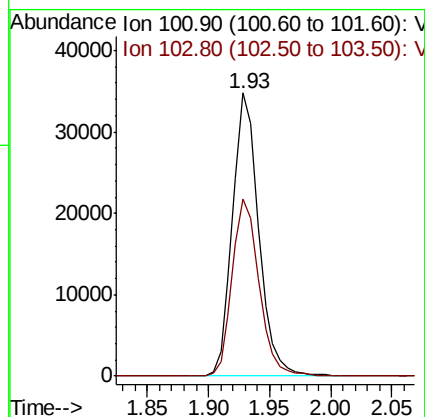
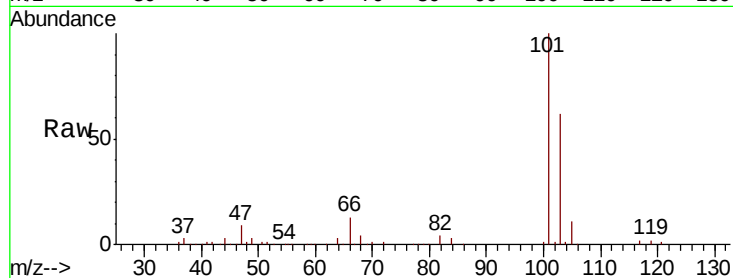


#7

Trichlorofluoromethane
 Concen: 18.997 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.00 min
 Lab File: VX010001.D
 Acq: 31 May 2019 22:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0531WBS02

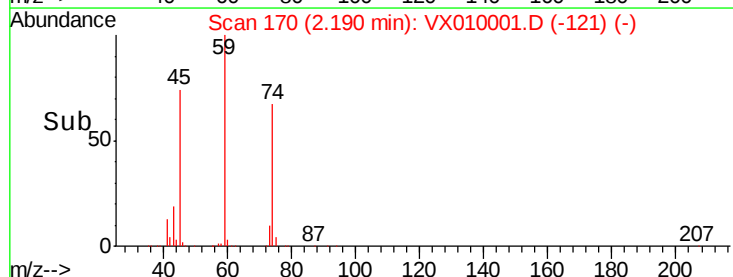
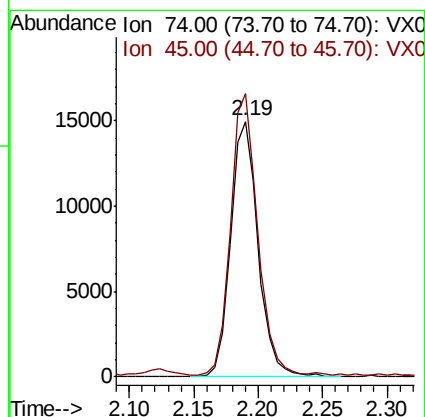
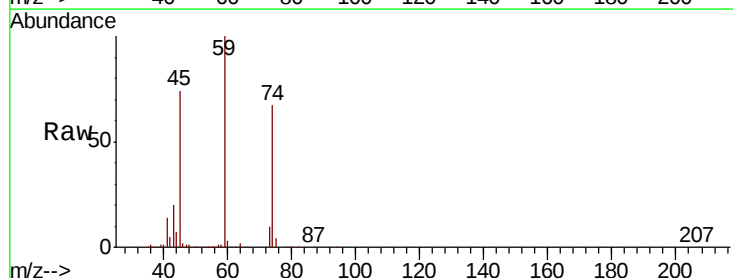
Tot Ion:101 Resp: 51520
 Ion Ratio Lower Upper
 101 100
 103 62.5 52.2 78.4

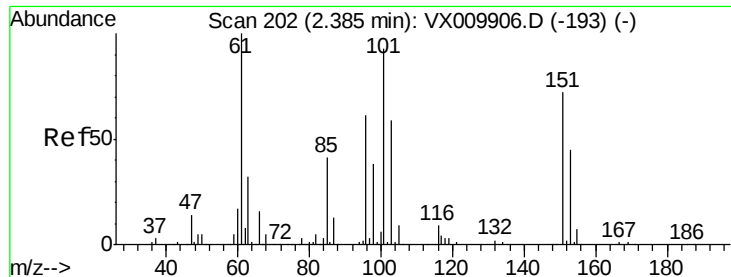


#8

Diethyl Ether
 Concen: 17.511 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX010001.D
 Acq: 31 May 2019 22:37

Tgt Ion: 74 Resp: 22316
 Ion Ratio Lower Upper
 74 100
 45 107.9 56.1 168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.682 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Instrument :

MSVOA_X

ClientSampleId :

VX0531WBS02

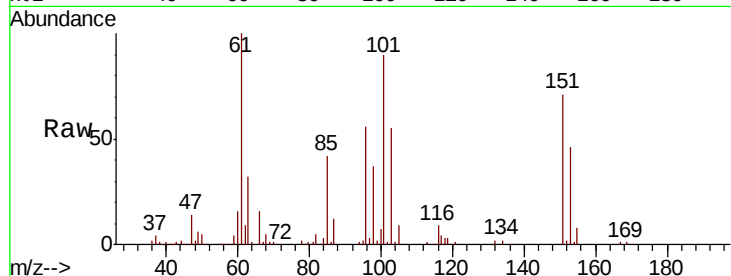
Tot Ion:101 Resp: 30589

Ion Ratio Lower Upper

101 100

85 44.6 35.2 52.8

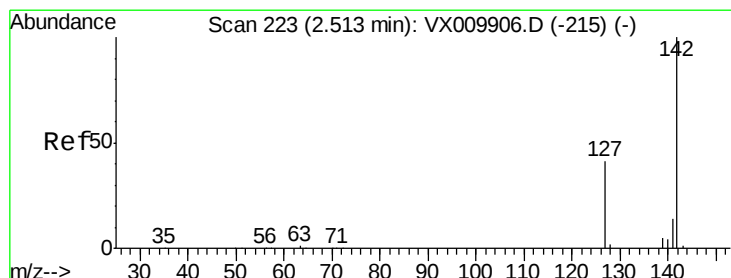
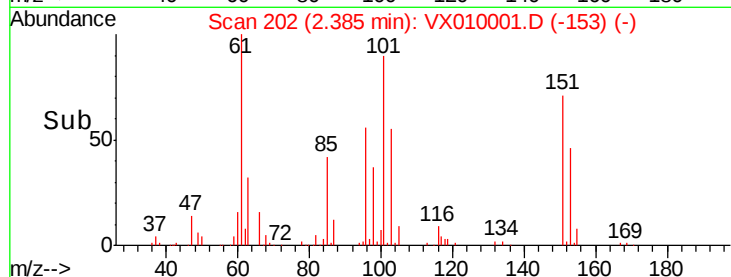
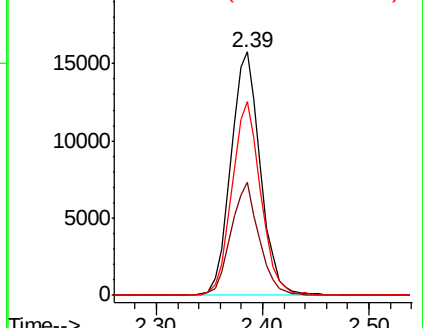
151 78.0 61.9 92.9



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: 14.829 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

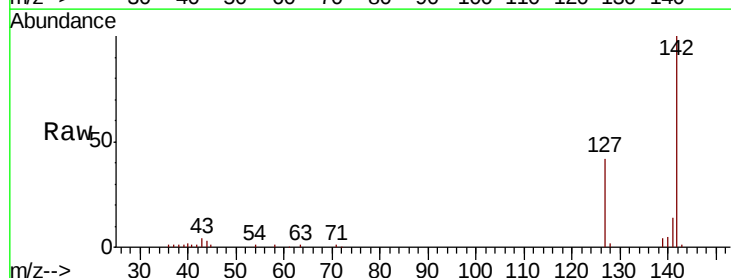
Tgt Ion:142 Resp: 22743

Ion Ratio Lower Upper

142 100

127 41.4 33.0 49.4

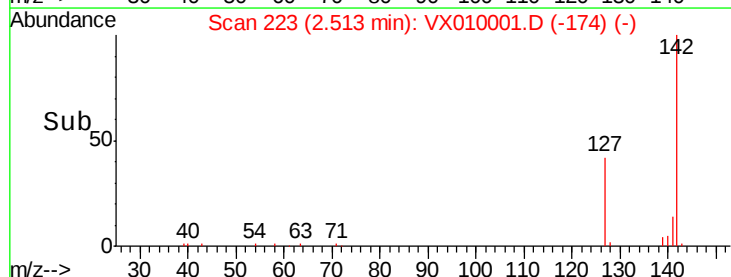
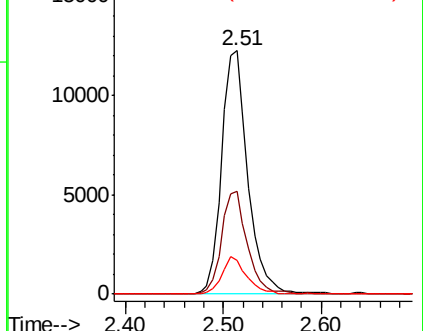
141 14.2 11.4 17.0

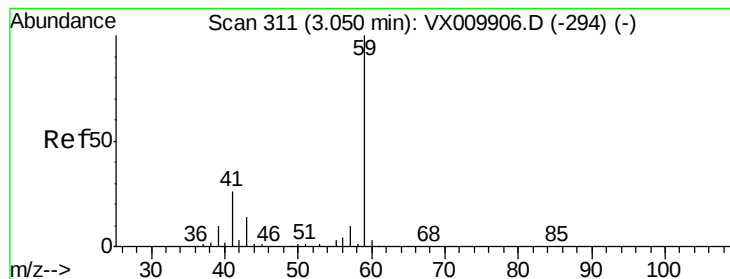


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



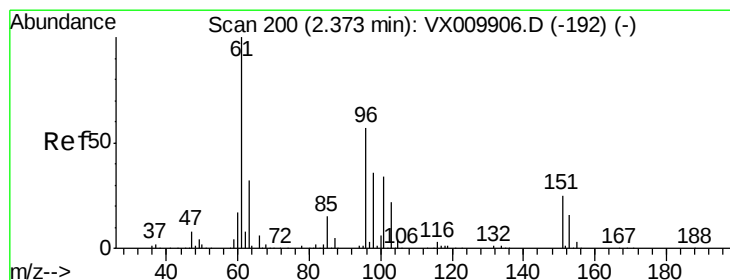
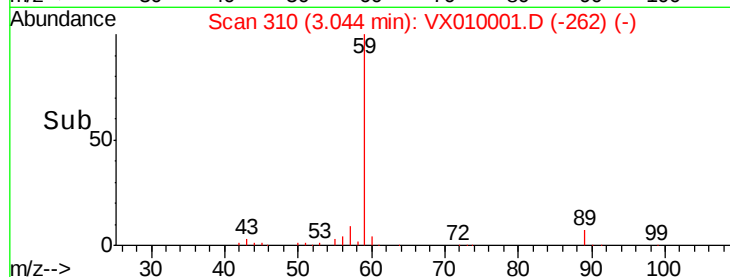
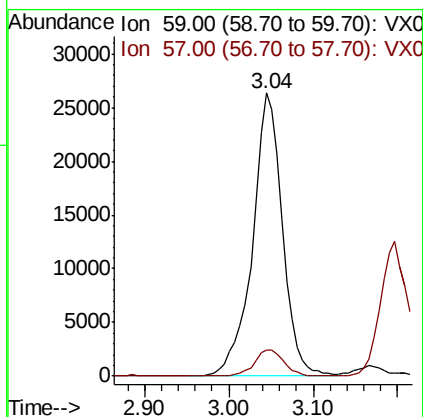
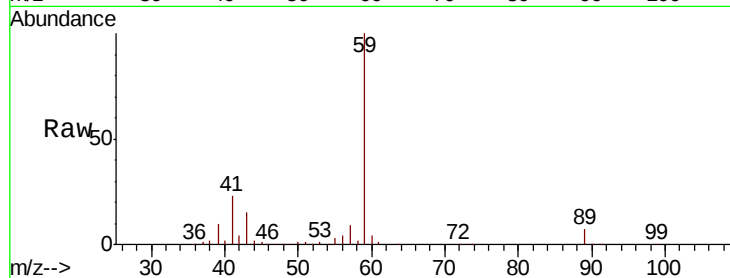


#11

Tert butyl alcohol
 Concen: 111.770 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. -0.01 min
 Lab File: VX010001.D
 Acq: 31 May 2019 22:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0531WBS02

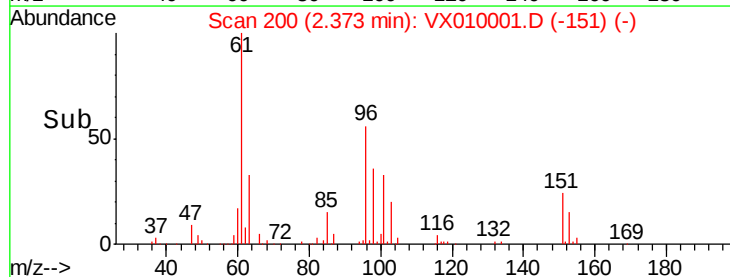
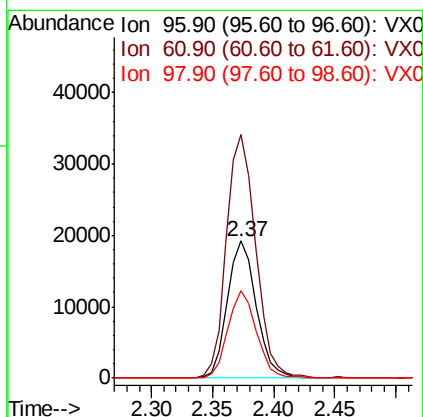
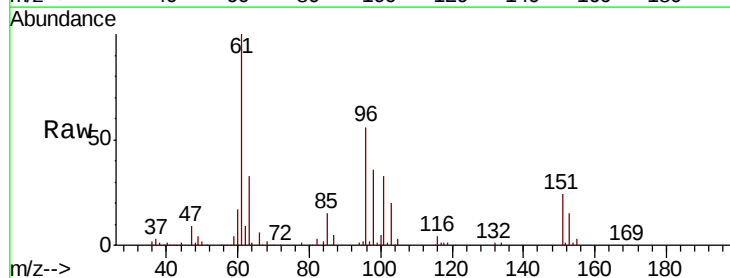
Tot Ion: 59 Resp: 64390
 Ion Ratio Lower Upper
 59 100
 57 9.2 8.2 12.2

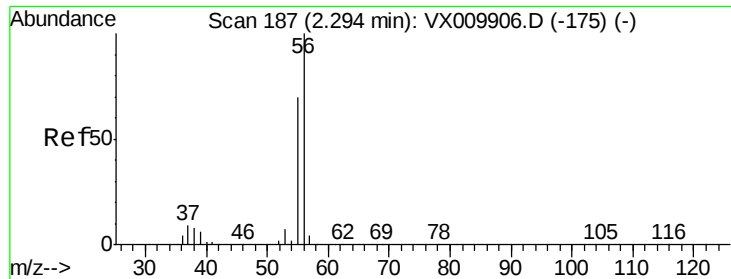


#12

1,1-Dichloroethene
 Concen: 18.672 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VX010001.D
 Acq: 31 May 2019 22:37

Tgt Ion: 96 Resp: 31337
 Ion Ratio Lower Upper
 96 100
 61 177.9 140.7 211.1
 98 64.0 50.1 75.1





#13

Acrolein

Concen: 83.895 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Instrument :

MSVOA_X

ClientSampleId :

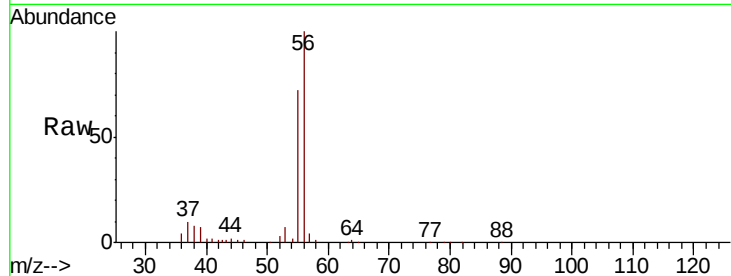
VX0531WBS02

Tot Ion: 56 Resp: 28007

Ion Ratio Lower Upper

56 100

55 71.1 57.0 85.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

20000

15000

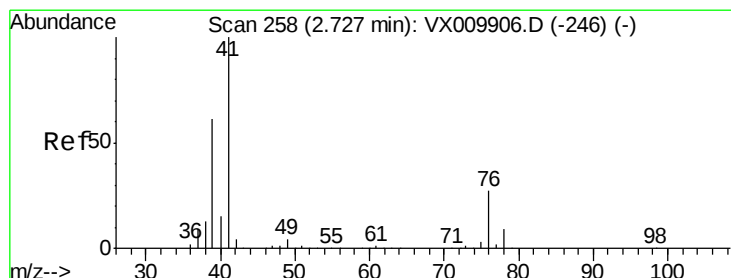
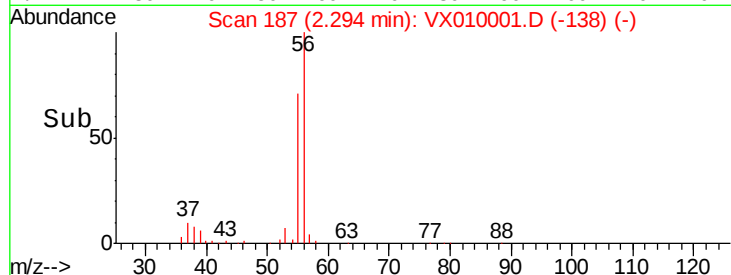
10000

5000

0

Time-->

2.20 2.25 2.30 2.35 2.40



#14

Allyl chloride

Concen: 18.154 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

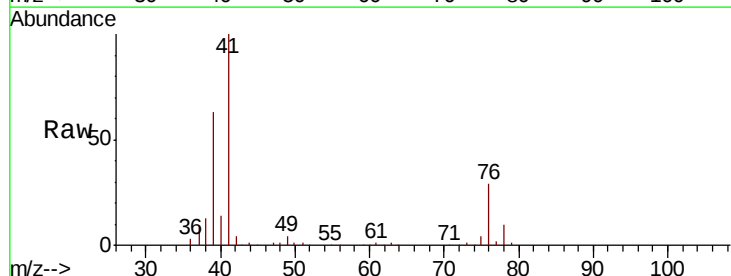
Tgt Ion: 41 Resp: 74050

Ion Ratio Lower Upper

41 100

39 58.6 46.7 70.1

76 26.4 21.0 31.4



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

60000

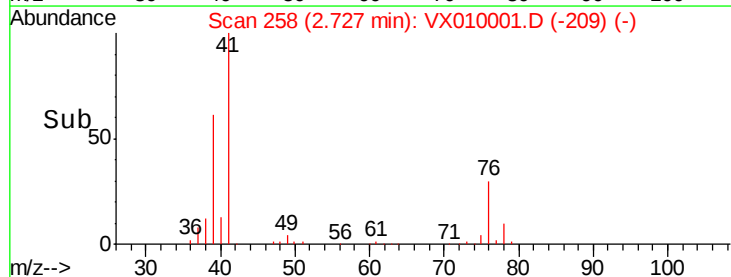
40000

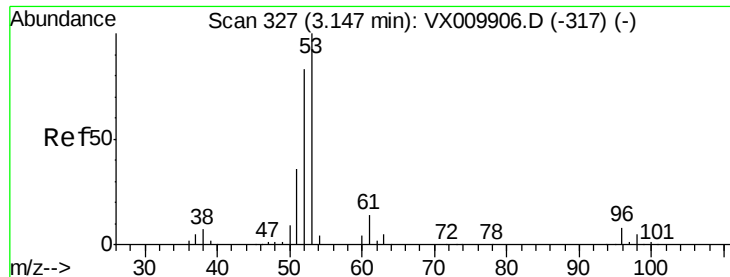
20000

0

Time-->

2.60 2.70 2.80





#15

Acrylonitrile

Concen: 93.198 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Instrument :

MSVOA_X

ClientSampleId :

VX0531WBS02

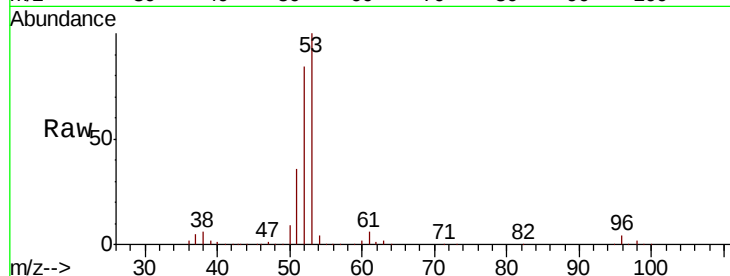
Tot Ion: 53 Resp: 129366

Ion Ratio Lower Upper

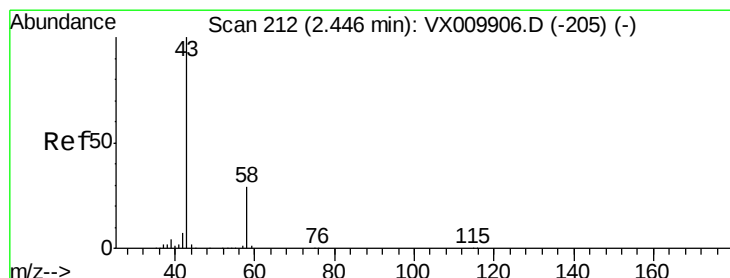
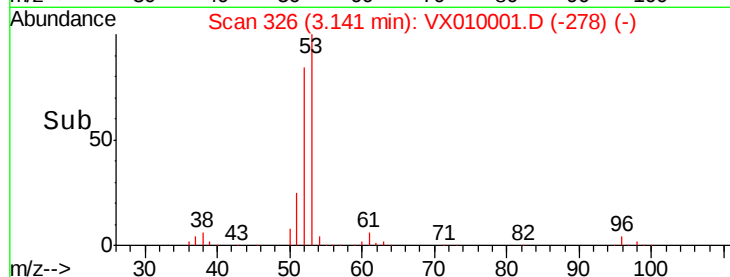
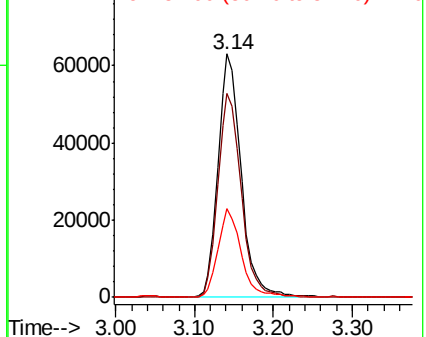
53 100

52 84.3 66.7 100.1

51 36.5 28.8 43.2



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: 87.431 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010001.D

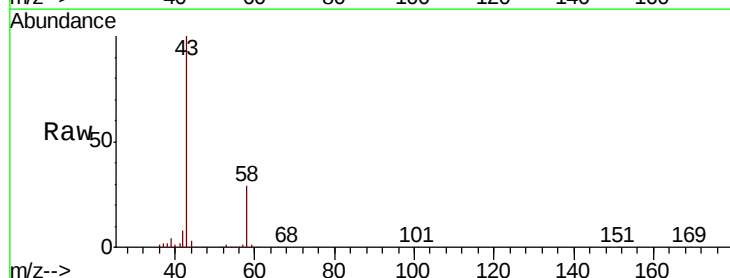
Acq: 31 May 2019 22:37

Tgt Ion: 43 Resp: 118252

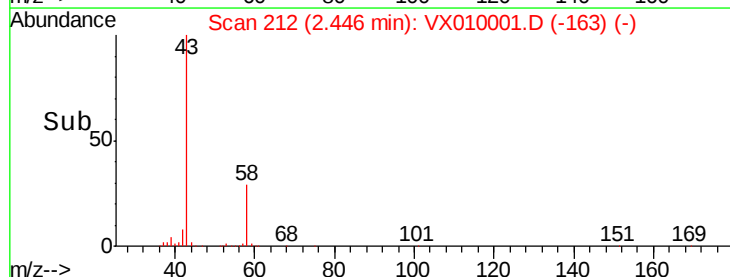
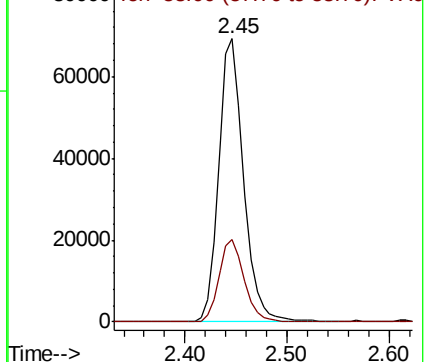
Ion Ratio Lower Upper

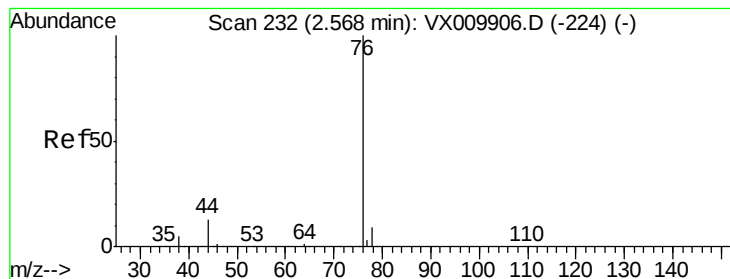
43 100

58 29.0 23.2 34.8



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





#17

Carbon Disulfide

Concen: 18.347 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Instrument :

MSVOA_X

ClientSampleId :

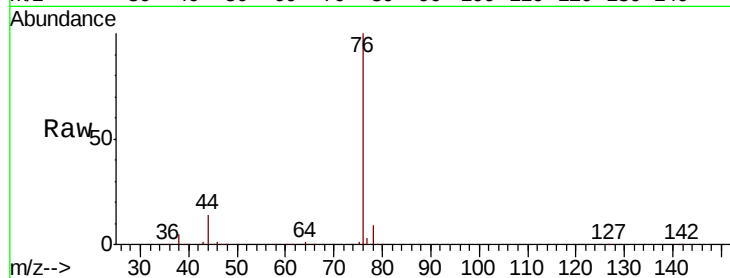
VX0531WBS02

Tot Ion: 76 Resp: 91986

Ion Ratio Lower Upper

76 100

78 8.7 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

60000

50000

40000

30000

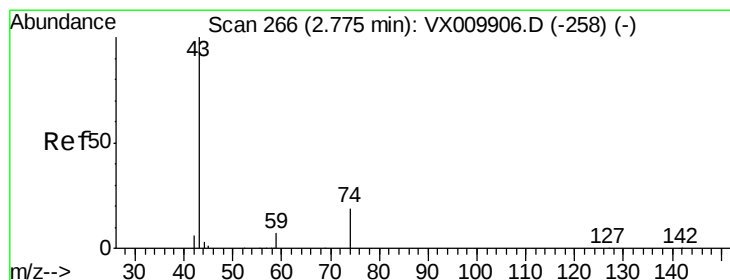
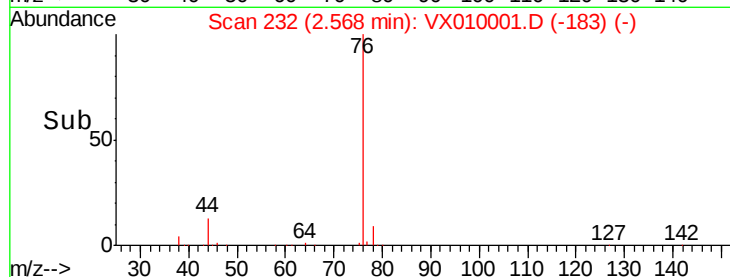
20000

10000

0

Time-->

2.50 2.60 2.70



#18

Methyl Acetate

Concen: 19.211 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX010001.D

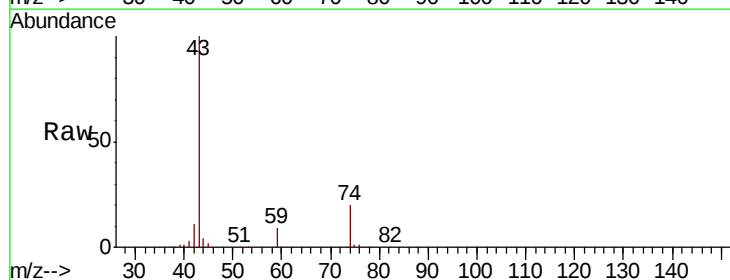
Acq: 31 May 2019 22:37

Tgt Ion: 43 Resp: 60458

Ion Ratio Lower Upper

43 100

74 20.8 15.8 23.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

30000

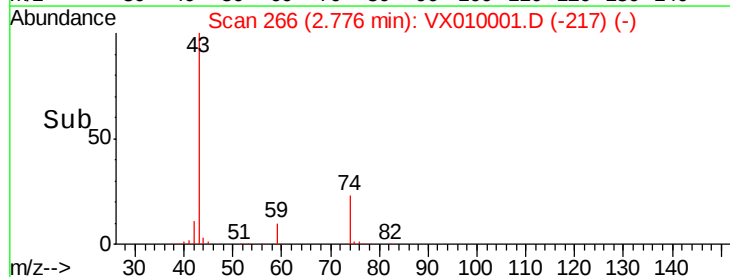
20000

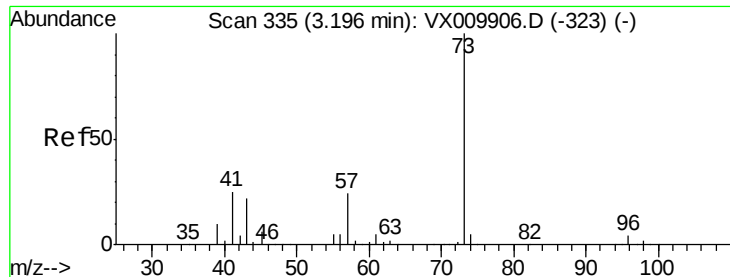
10000

0

Time-->

2.70 2.75 2.80 2.85



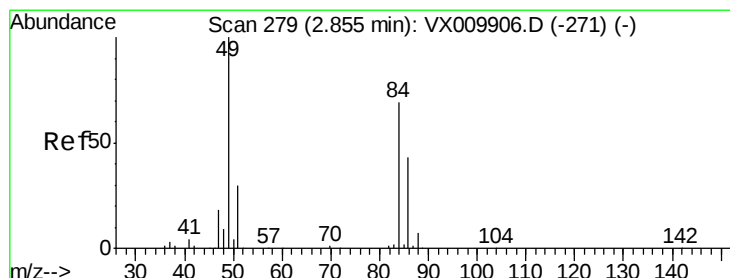
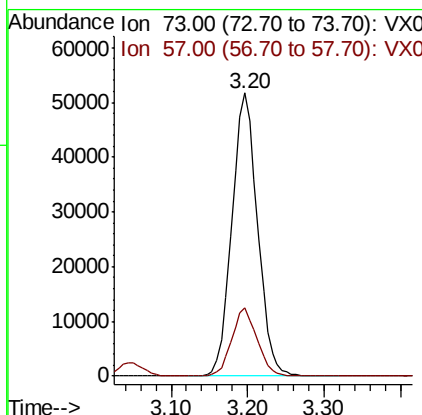
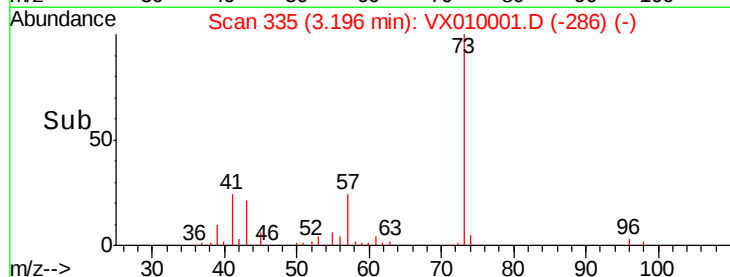
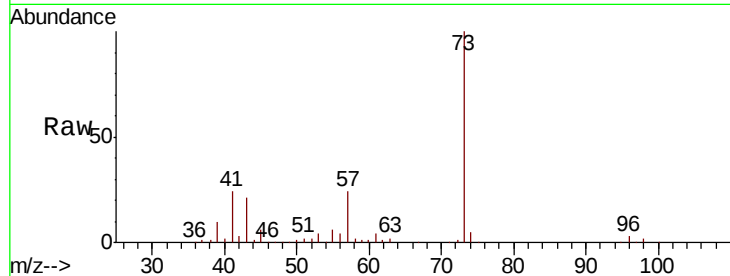


#19

Methyl tert-butyl Ether
 Concen: 18.934 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VX010001.D
 Acq: 31 May 2019 22:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0531WBS02

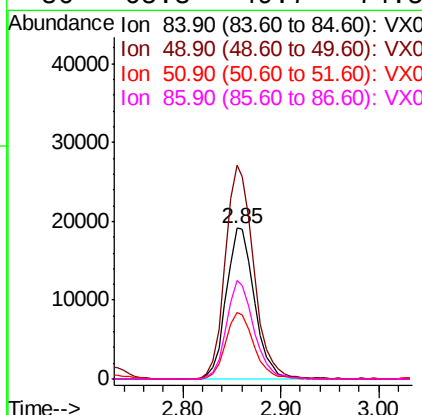
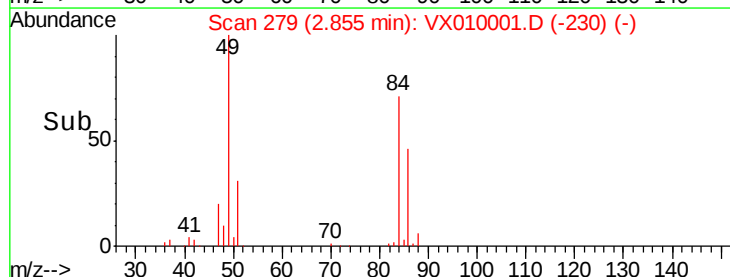
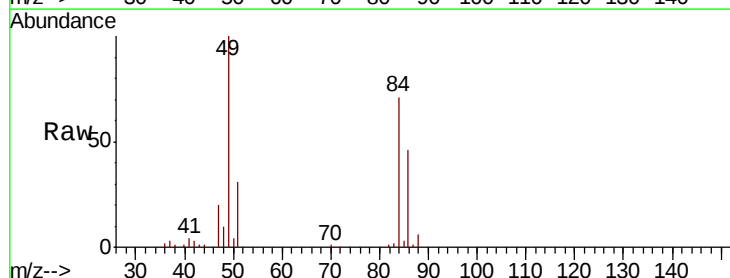
Tot Ion: 73 Resp: 119965
 Ion Ratio Lower Upper
 73 100
 57 24.3 19.4 29.2

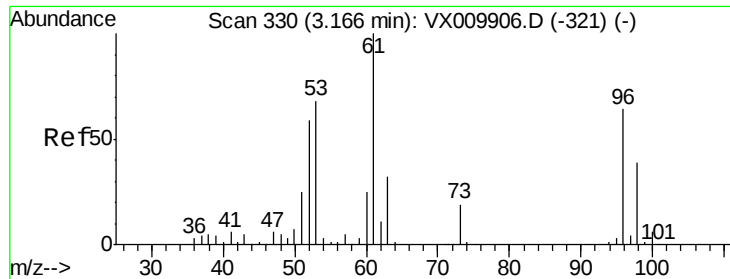


#20

Methylene Chloride
 Concen: 18.475 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX010001.D
 Acq: 31 May 2019 22:37

Tgt Ion: 84 Resp: 38265
 Ion Ratio Lower Upper
 84 100
 49 141.4 115.8 173.6
 51 44.3 34.4 51.6
 86 65.3 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 17.953 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Instrument :

MSVOA_X

ClientSampleId :

VX0531WBS02

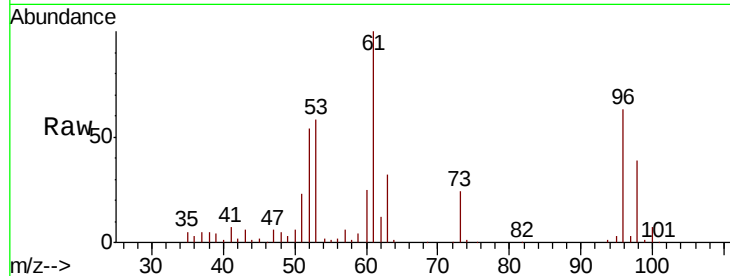
Tot Ion: 96 Resp: 33525

Ion Ratio Lower Upper

96 100

61 158.1 125.7 188.5

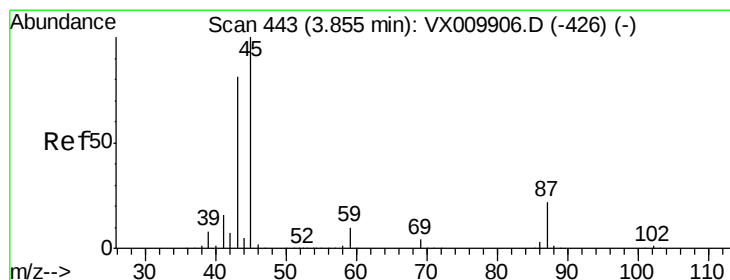
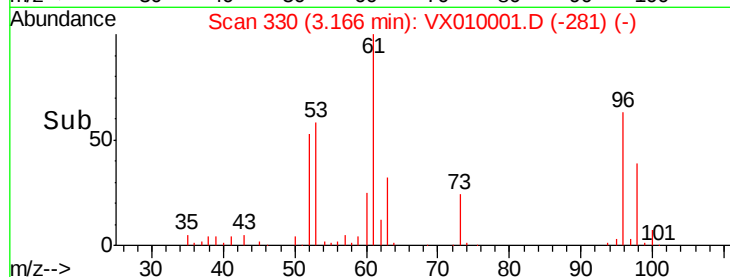
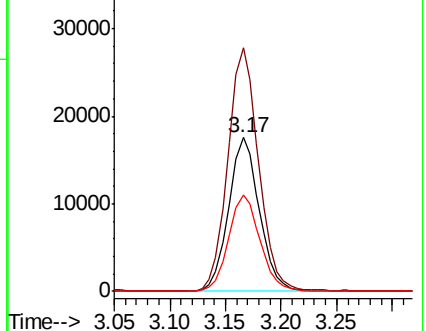
98 62.4 49.0 73.6



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: 18.748 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Tgt Ion: 45 Resp: 145506

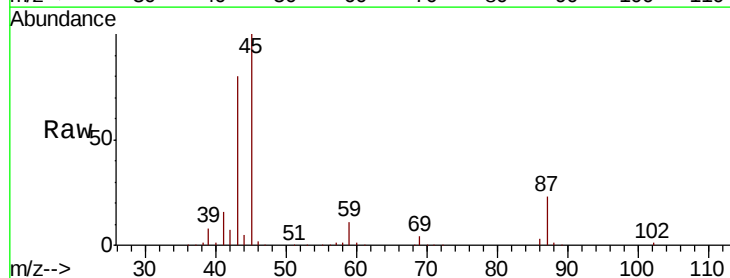
Ion Ratio Lower Upper

45 100

43 80.2 65.0 97.4

87 22.8 17.3 25.9

59 11.1 8.1 12.1

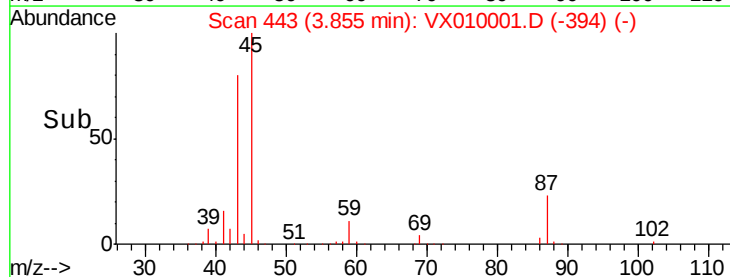
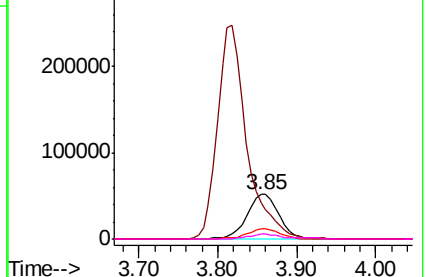


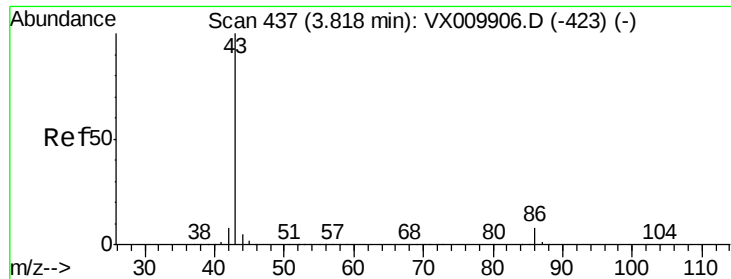
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 92.200 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Instrument :

MSVOA_X

ClientSampled :

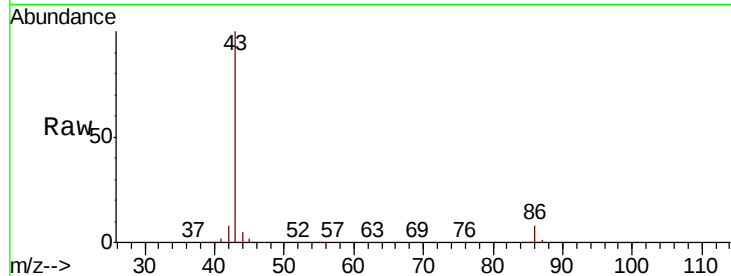
VX0531WBS02

Tot Ion: 43 Resp: 642835

Ion Ratio Lower Upper

43 100

86 8.4 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

250000

200000

150000

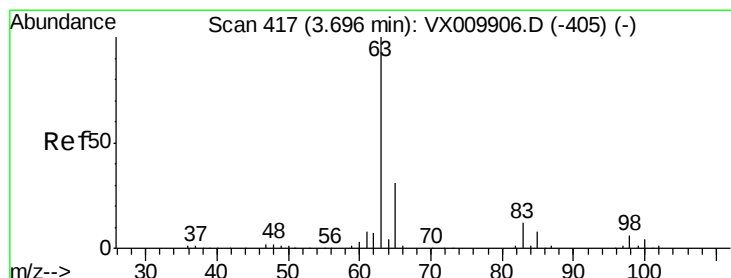
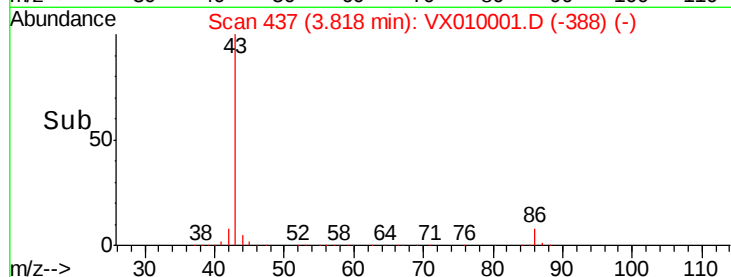
100000

50000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 18.634 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

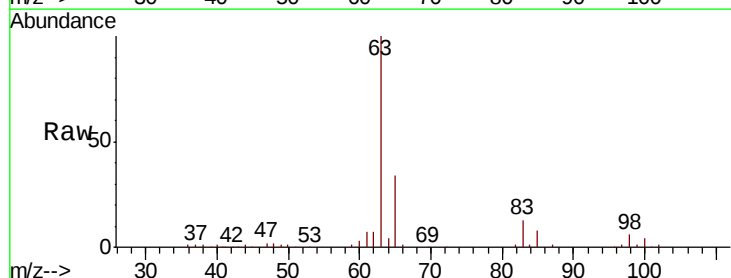
Tgt Ion: 63 Resp: 70087

Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.8

100 3.9 1.8 5.4



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

30000

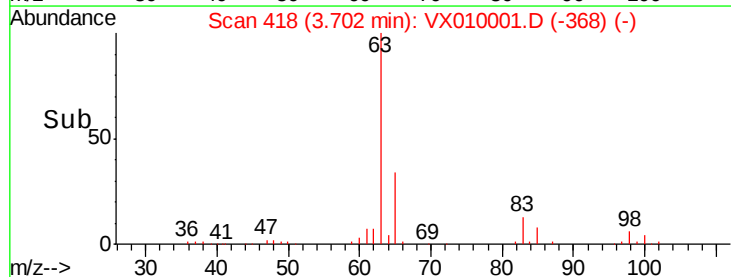
20000

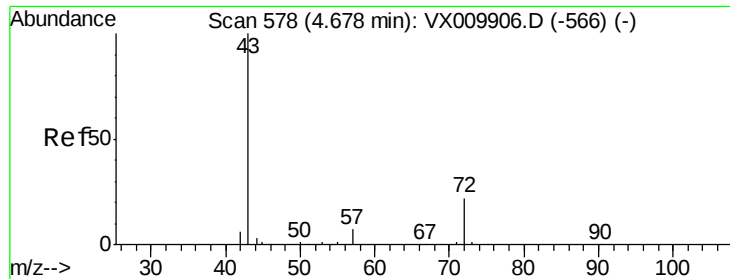
10000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 93.146 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Instrument :

MSVOA_X

ClientSampleId :

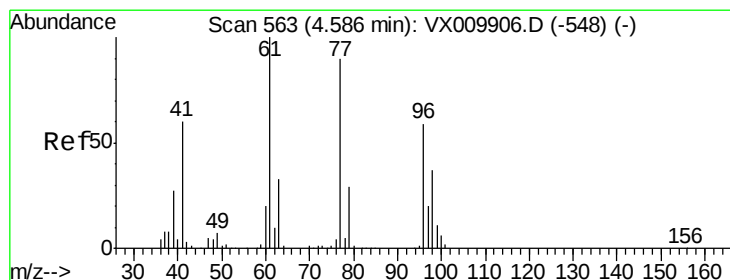
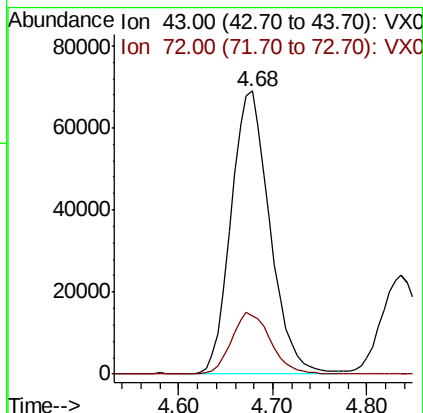
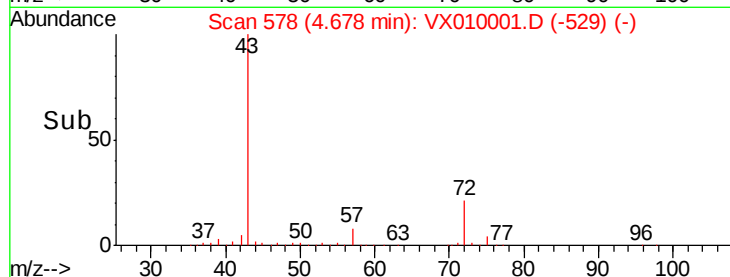
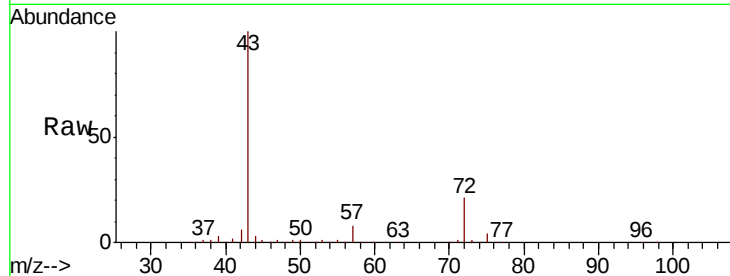
VX0531WBS02

Tot Ion: 43 Resp: 196277

Ion Ratio Lower Upper

43 100

72 20.5 17.5 26.3



#26

2,2-Dichloropropane

Concen: 14.871 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX010001.D

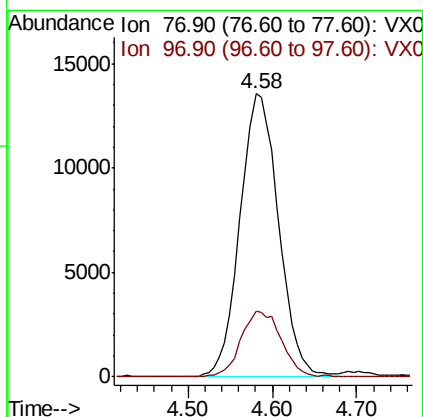
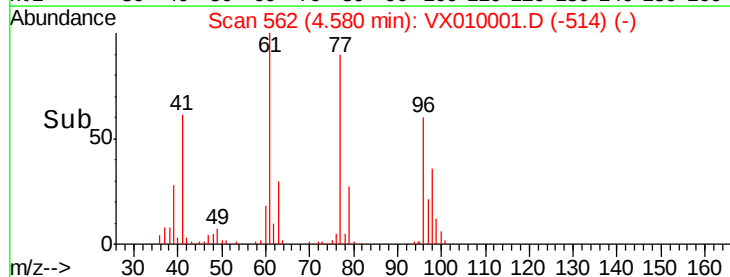
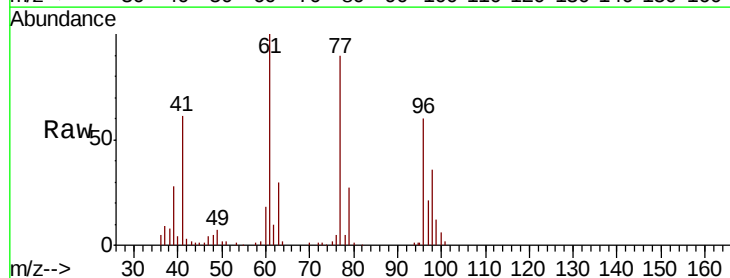
Acq: 31 May 2019 22:37

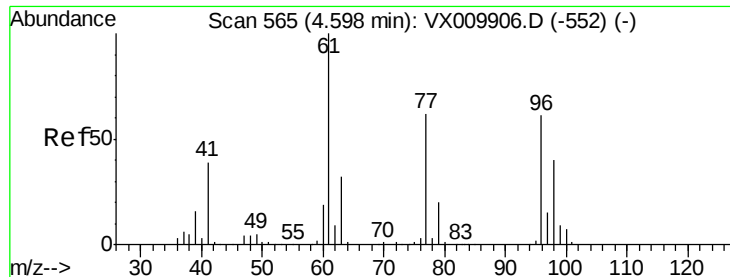
Tgt Ion: 77 Resp: 42312

Ion Ratio Lower Upper

77 100

97 24.0 11.4 34.2



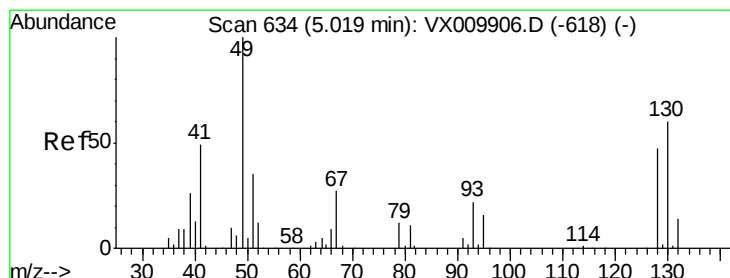
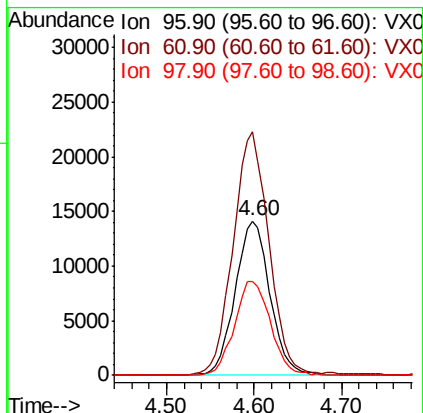
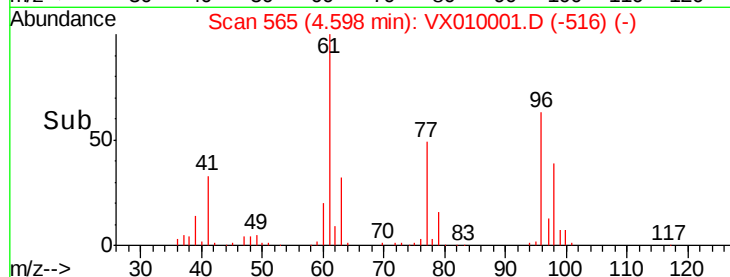
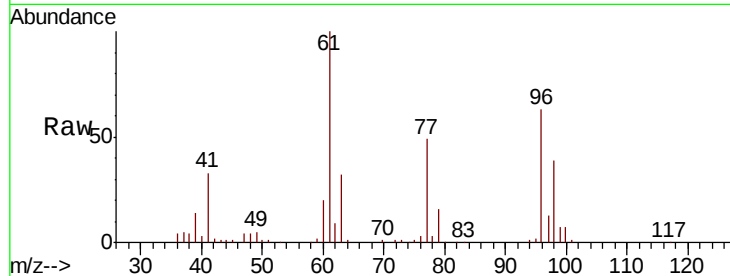


#27

cis-1,2-Dichloroethene
Concen: 18.101 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Instrument :
MSVOA_X
ClientSampleId :
VX0531WBS02

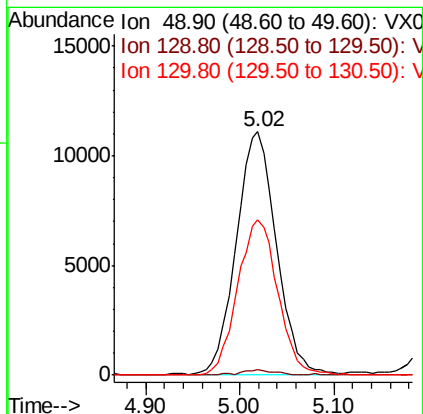
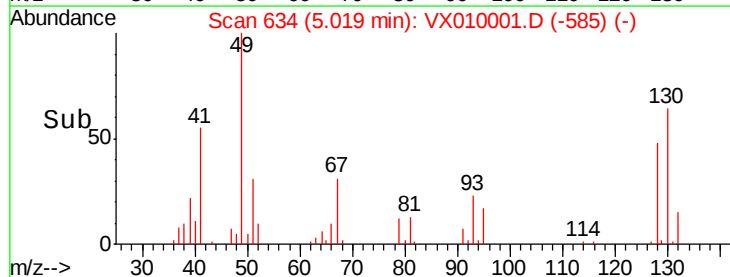
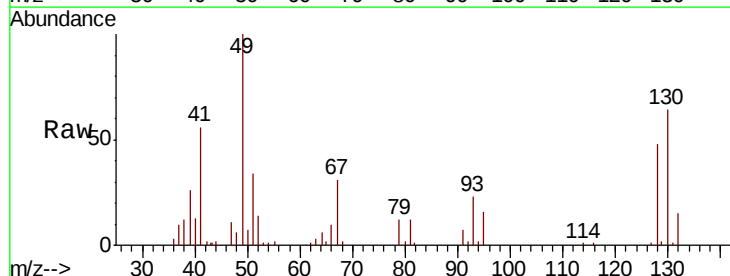
Tot Ion: 96 Resp: 39018
Ion Ratio Lower Upper
96 100
61 162.4 0.0 334.0
98 63.3 0.0 131.6

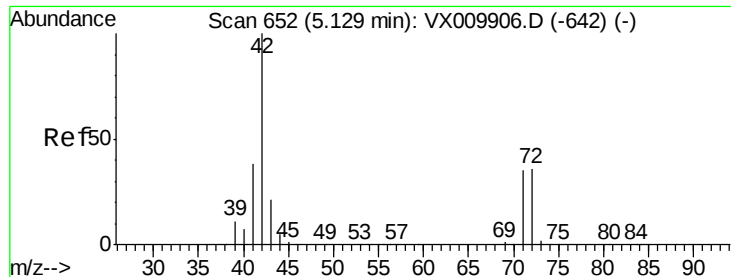


#28

Bromochloromethane
Concen: 16.995 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Tgt Ion: 49 Resp: 33170
Ion Ratio Lower Upper
49 100
129 1.8 0.0 3.4
130 63.6 49.4 74.2





#29

Tetrahydrofuran

Concen: 94.403 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Instrument :

MSVOA_X

ClientSampleId :

VX0531WBS02

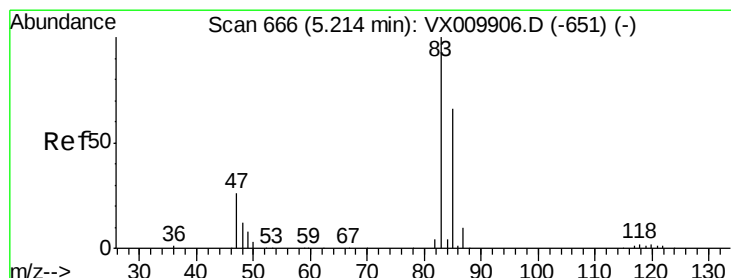
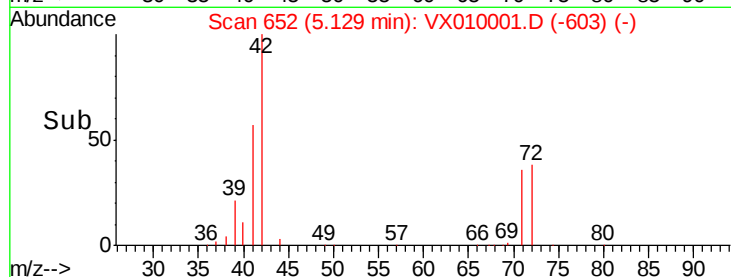
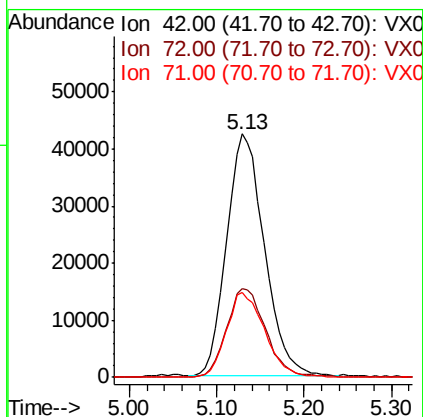
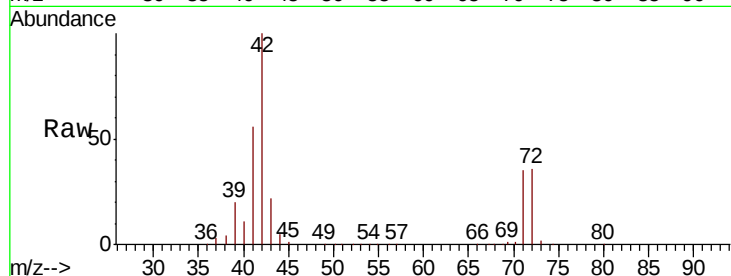
Tot Ion: 42 Resp: 127563

Ion Ratio Lower Upper

42 100

72 38.0 29.2 43.8

71 35.7 27.6 41.4



#30

Chloroform

Concen: 18.787 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX010001.D

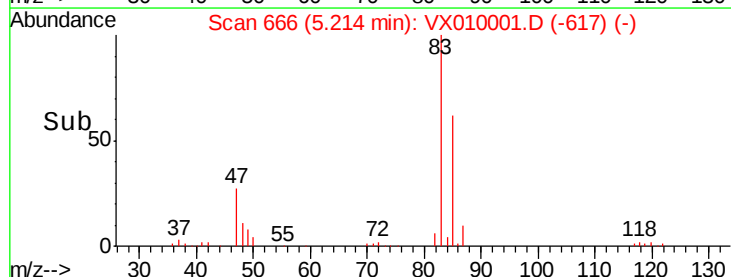
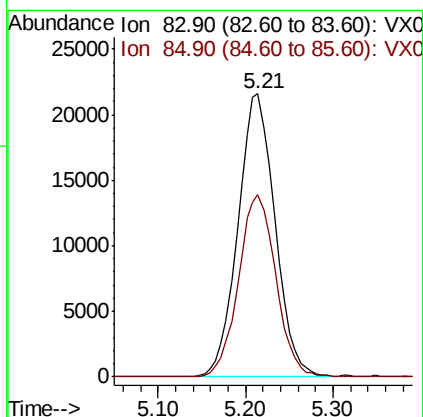
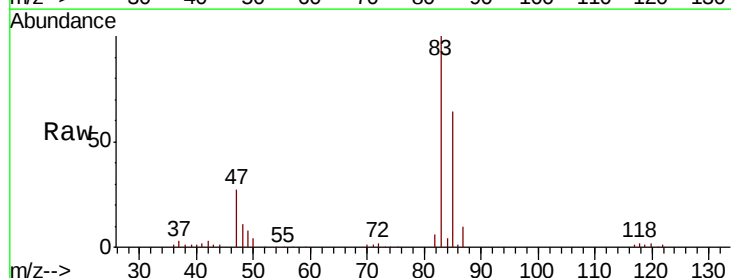
Acq: 31 May 2019 22:37

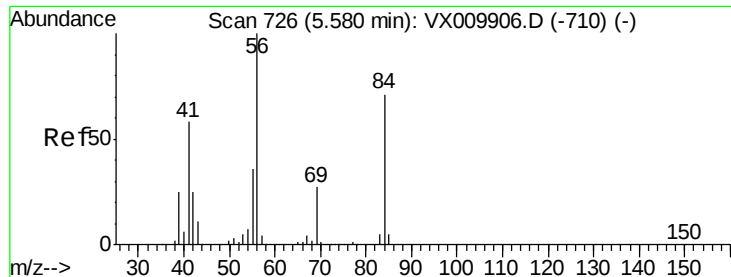
Tgt Ion: 83 Resp: 63728

Ion Ratio Lower Upper

83 100

85 64.2 52.6 78.8





#31

Cyclohexane

Concen: 18.936 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Instrument :

MSVOA_X

ClientSampleId :

VX0531WBS02

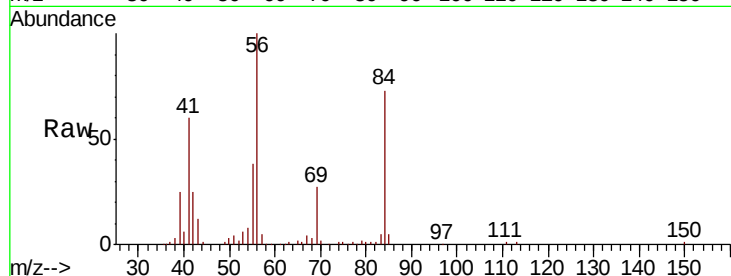
Tot Ion: 56 Resp: 67455

Ion Ratio Lower Upper

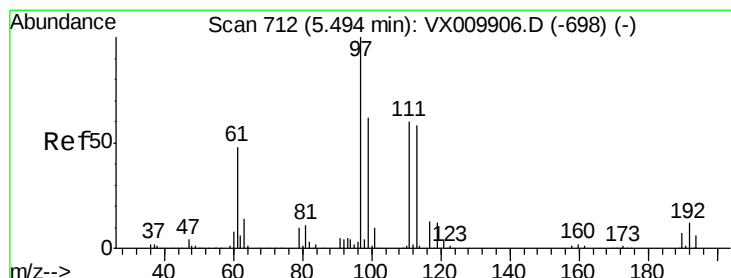
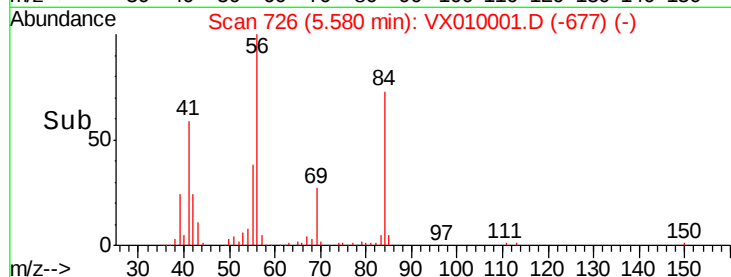
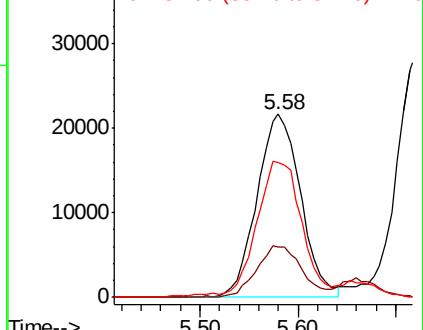
56 100

69 27.2 21.6 32.4

84 72.2 56.8 85.2



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



#32

1,1,1-Trichloroethane

Concen: 19.390 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

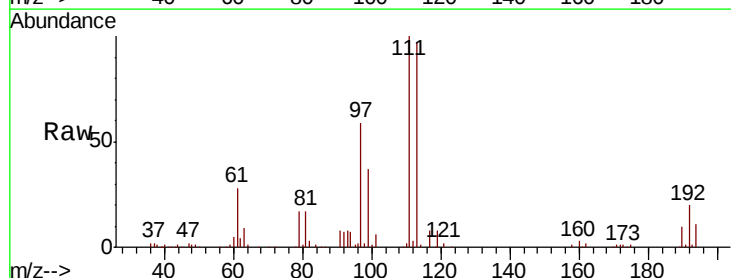
Tgt Ion: 97 Resp: 53564

Ion Ratio Lower Upper

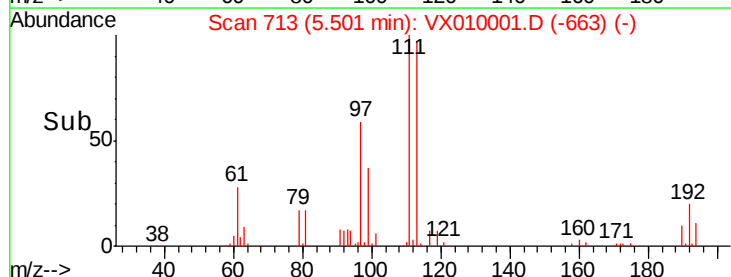
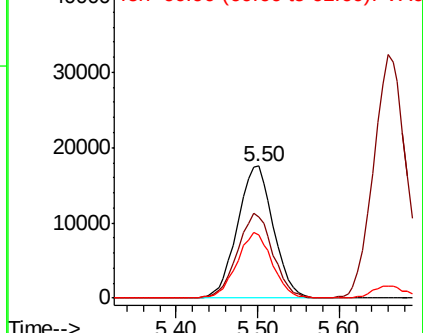
97 100

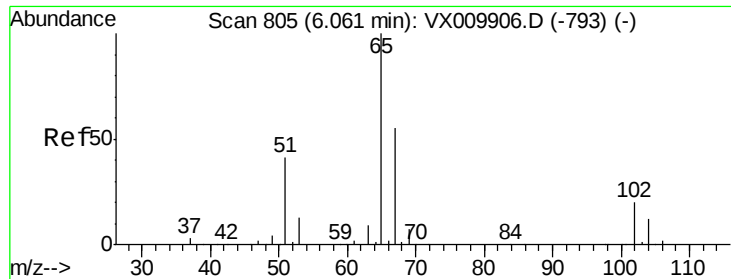
99 63.4 51.0 76.4

61 48.7 38.7 58.1



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

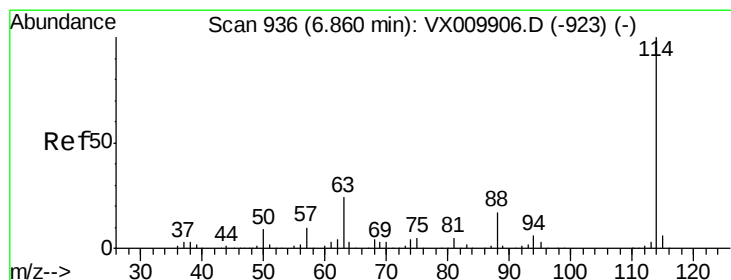
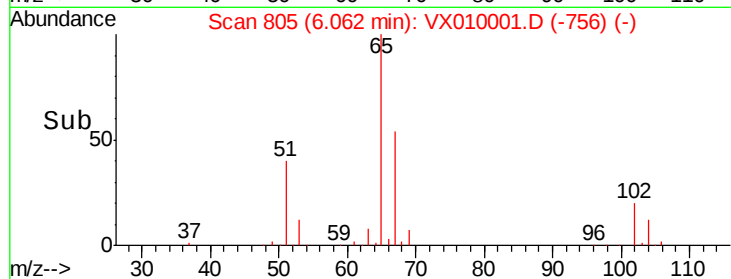
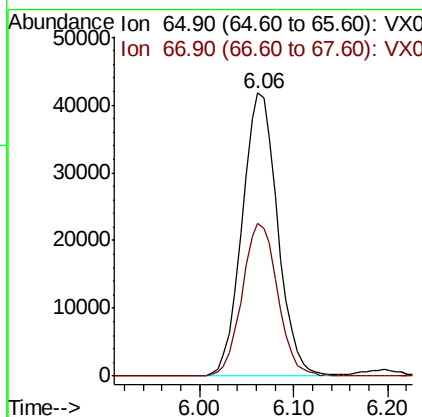
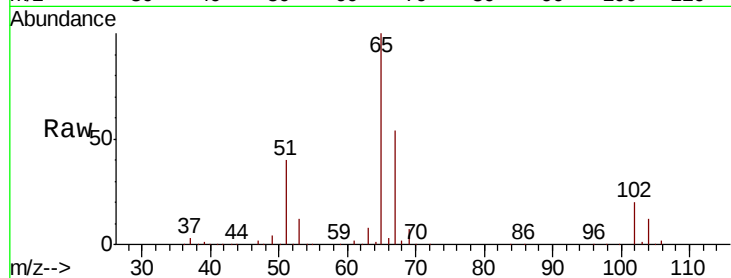




#33
 1,2-Dichloroethane-d4
 Concen: 46.787 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010001.D
 Acq: 31 May 2019 22:37

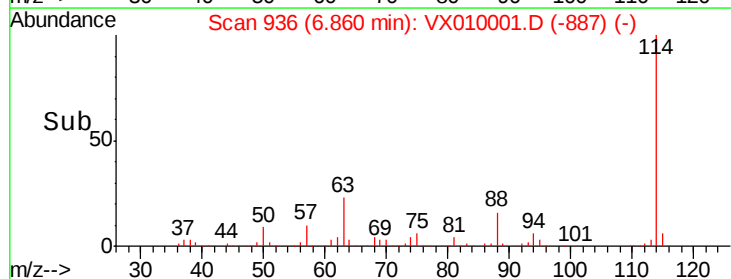
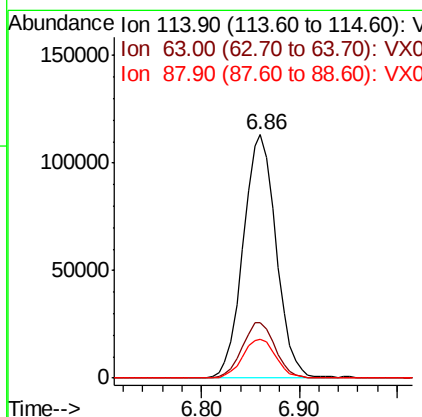
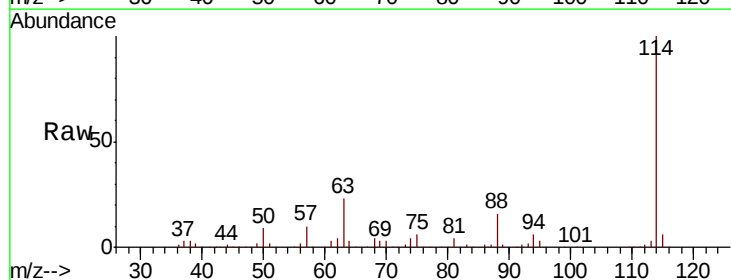
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0531WBS02

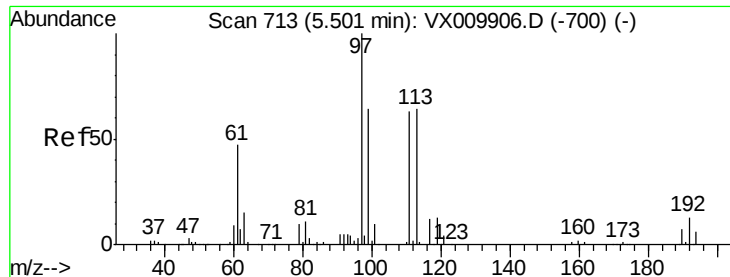
Tot Ion: 65 Resp: 109524
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010001.D
 Acq: 31 May 2019 22:37

Tgt Ion: 114 Resp: 264536
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 47.4
 88 16.0 0.0 33.0

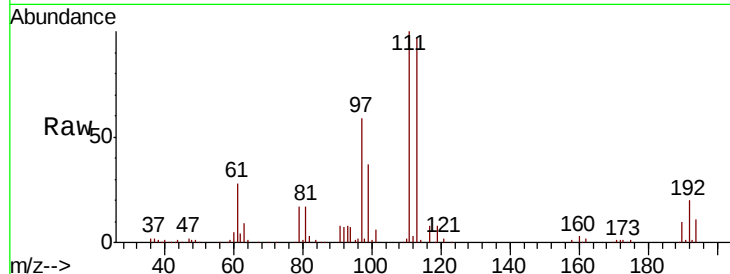




#35
 Dibromofluoromethane
 Concen: 48.435 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010001.D
 Acq: 31 May 2019 22:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0531WBS02

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.2	123.2
192	22.3	17.1	25.7

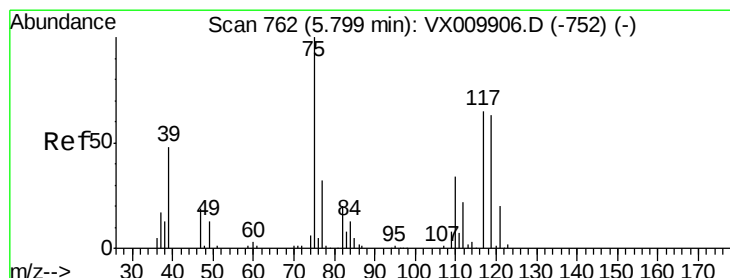
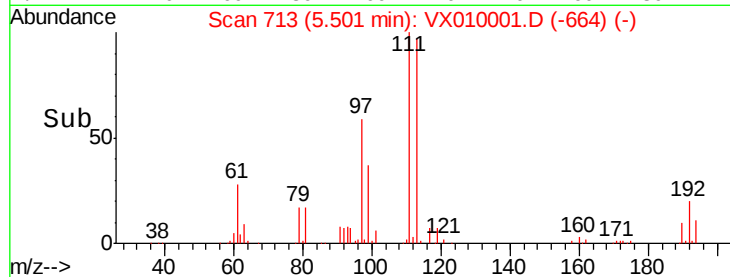
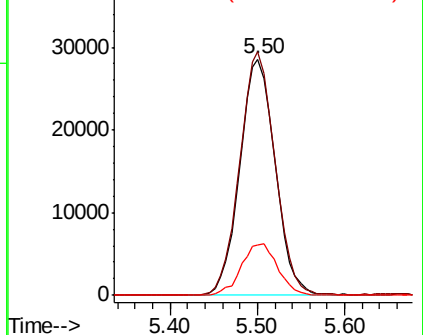


Abundance

Ion 112.80 (112.50 to 113.50): V

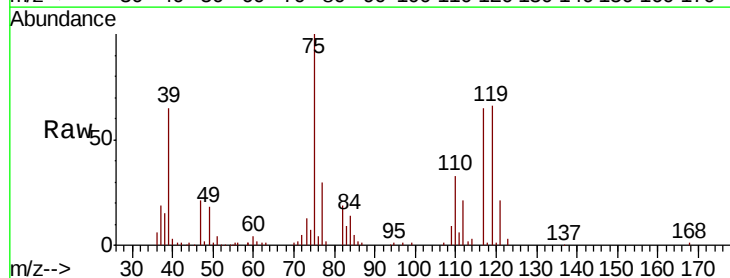
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 17.982 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX010001.D
 Acq: 31 May 2019 22:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.1	16.7	50.1
77	31.5	25.0	37.4

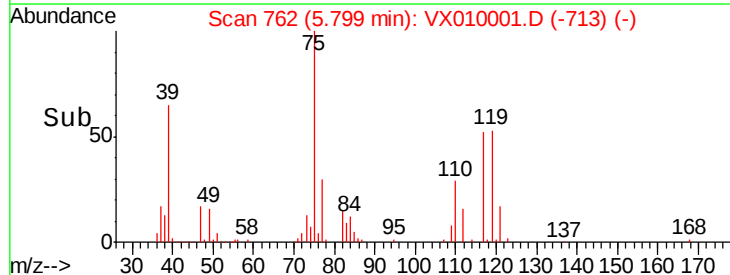
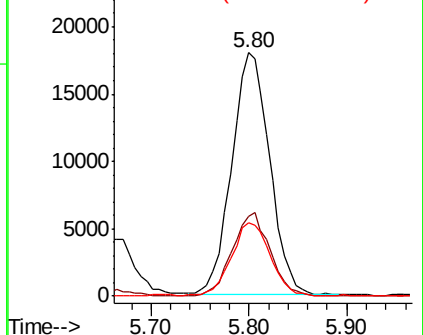


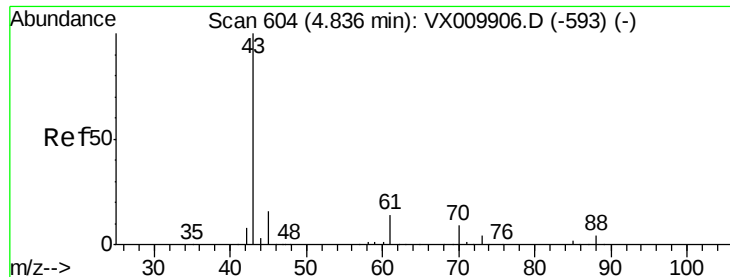
Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 18.990 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Instrument :

MSVOA_X

ClientSampleId :

VX0531WBS02

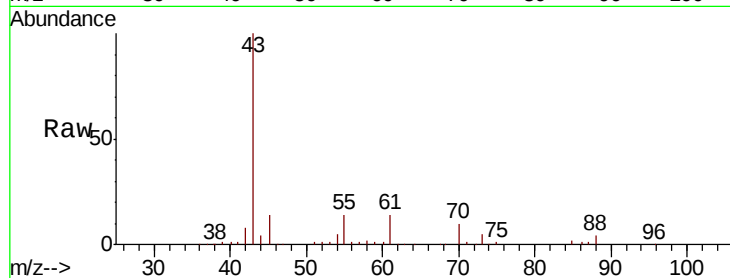
Tot Ion: 43 Resp: 71018

Ion Ratio Lower Upper

43 100

61 13.8 10.2 15.2

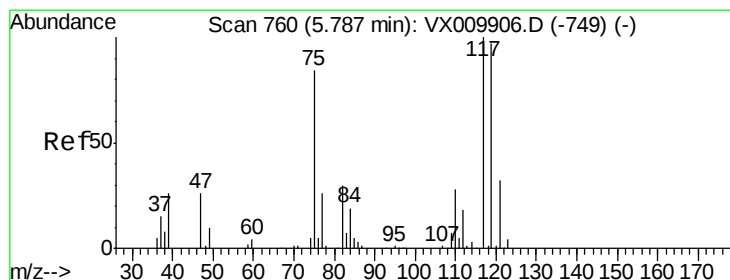
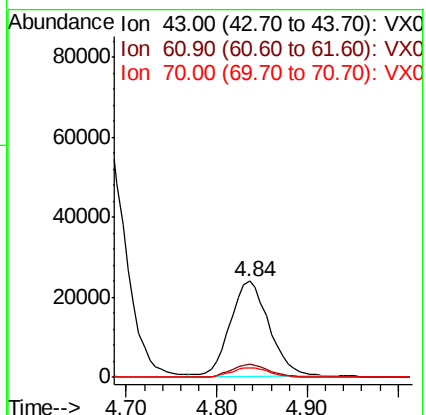
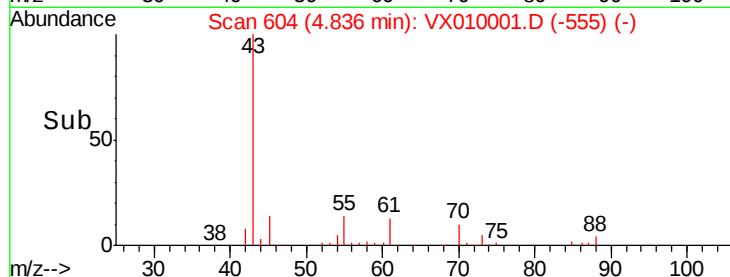
70 10.0 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 19.075 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

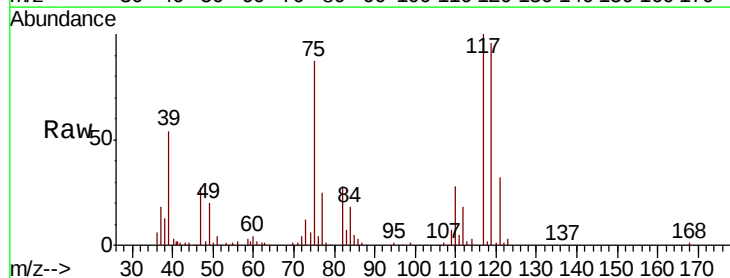
Tgt Ion: 117 Resp: 44242

Ion Ratio Lower Upper

117 100

119 95.8 77.3 115.9

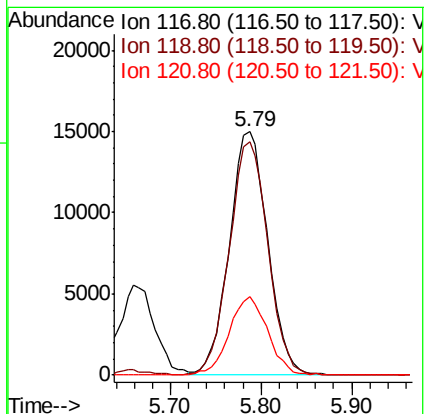
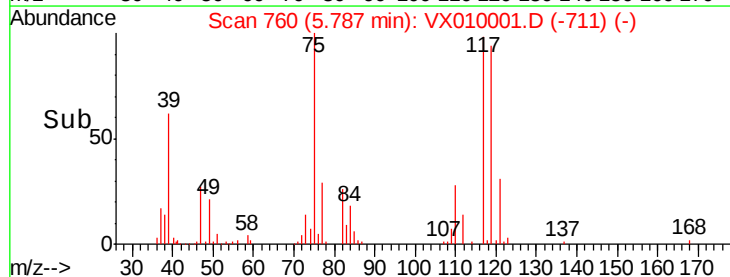
121 32.0 25.4 38.0

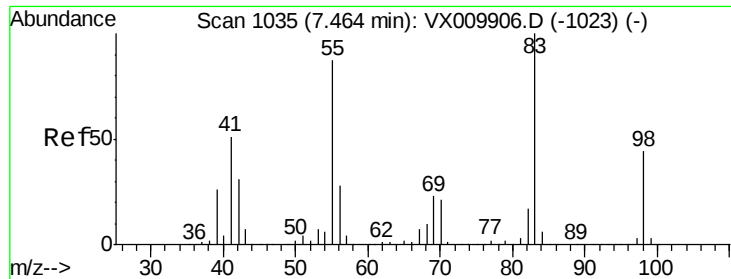


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

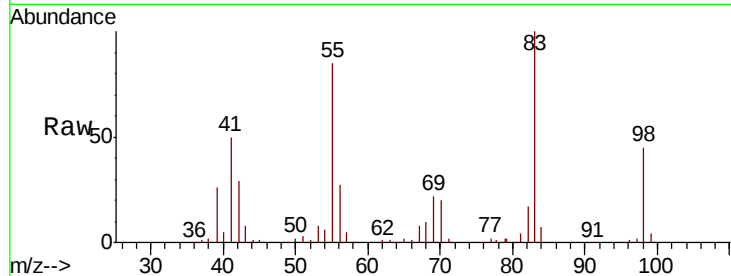




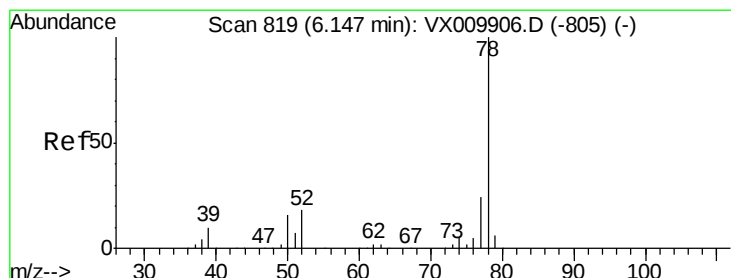
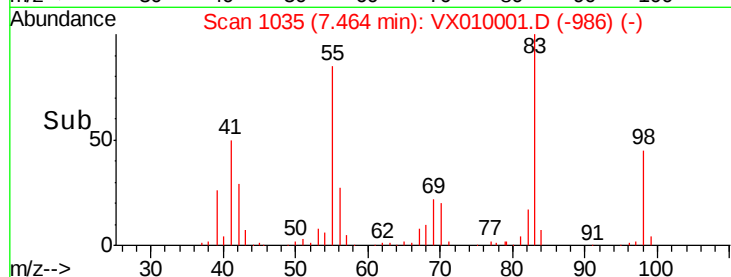
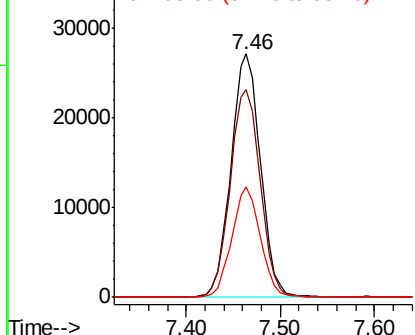
#39
Methvlcvclohexane
Concen: 18.619 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Instrument :
MSVOA_X
ClientSampleId :
VX0531WBS02

Tot Ion: 83 Resp: 59278
Ion Ratio Lower Upper
83 100
55 84.9 69.9 104.9
98 45.2 35.1 52.7

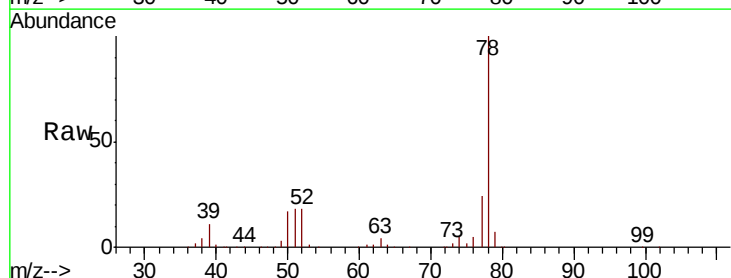


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

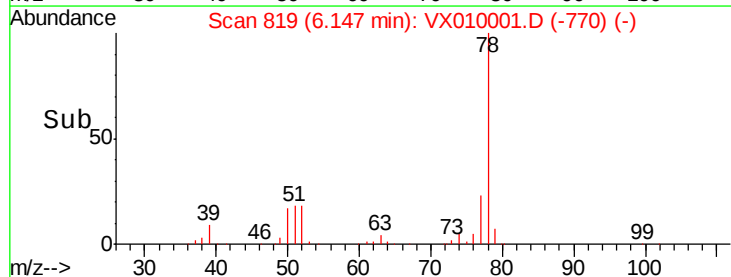
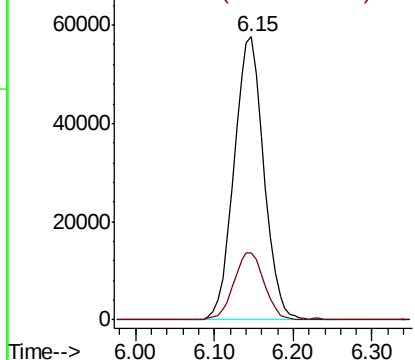


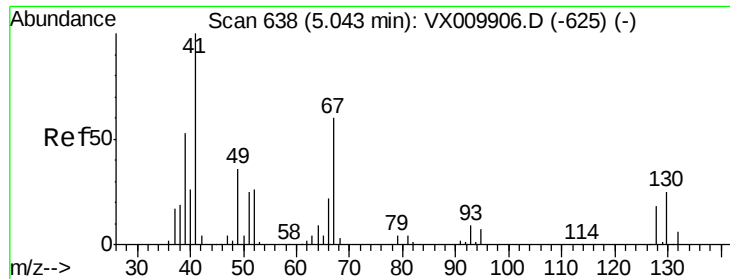
#40
Benzene
Concen: 18.971 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Tgt Ion: 78 Resp: 151046
Ion Ratio Lower Upper
78 100
77 23.7 19.2 28.8



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





#41

Methacrylonitrile

Concen: 18.714 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Instrument :

MSVOA_X

ClientSampled :

VX0531WBS02

Tot Ion: 41 Resp: 40896

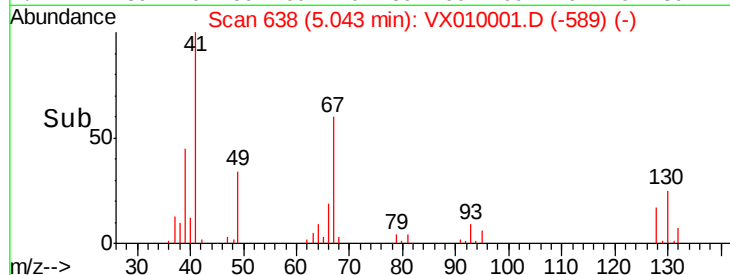
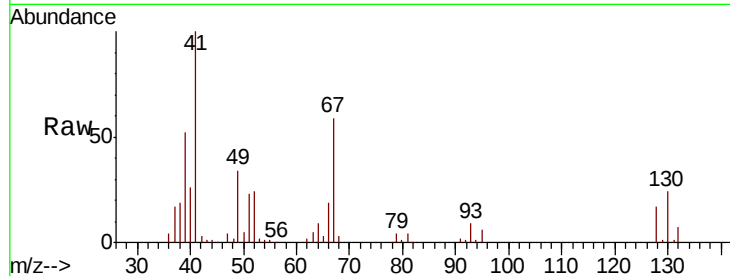
Ion Ratio Lower Upper

41 100

39 52.1 42.2 63.4

67 61.2 48.9 73.3

52 26.1 20.1 30.1

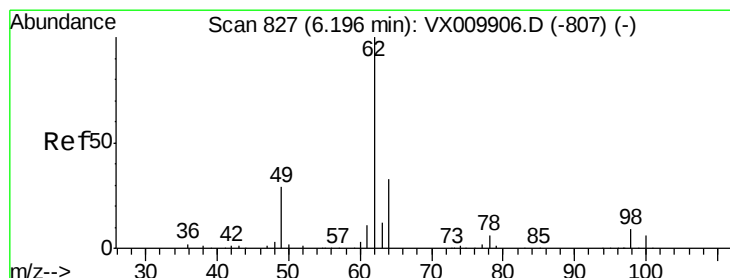
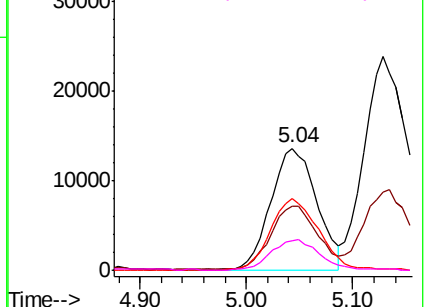


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 18.845 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.01 min

Lab File: VX010001.D

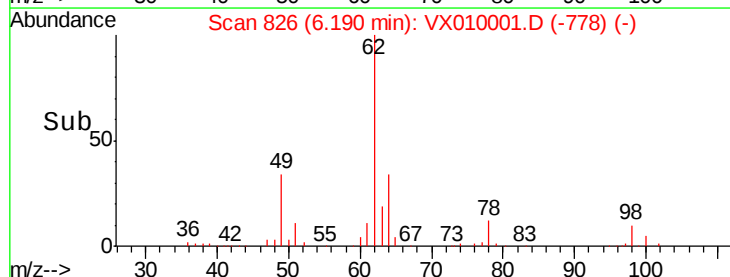
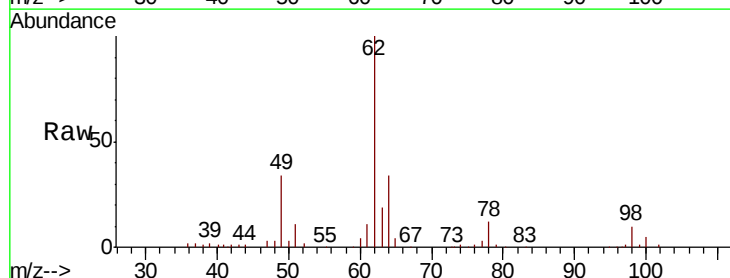
Acq: 31 May 2019 22:37

Tgt Ion: 62 Resp: 55471

Ion Ratio Lower Upper

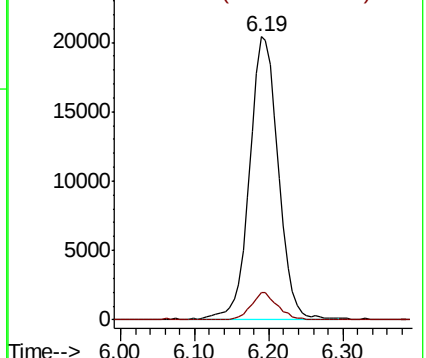
62 100

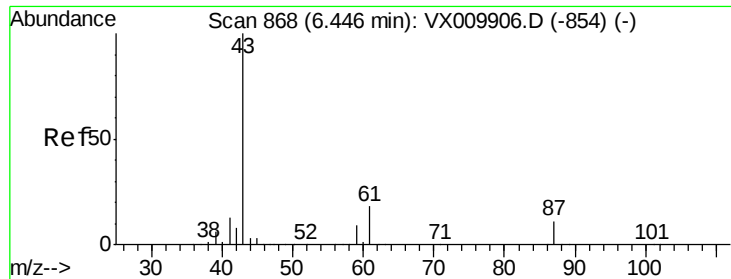
98 8.9 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



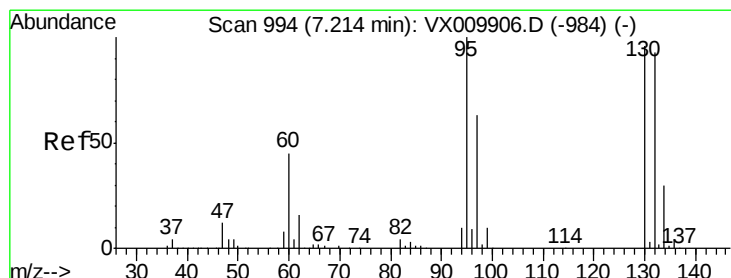
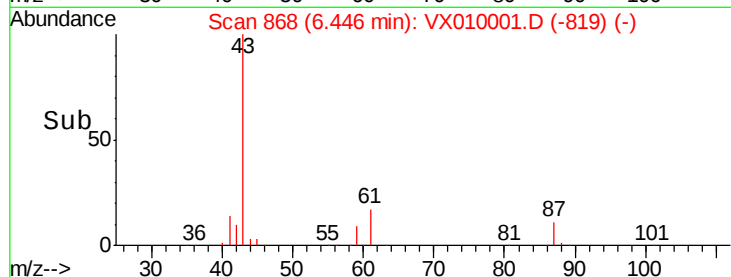
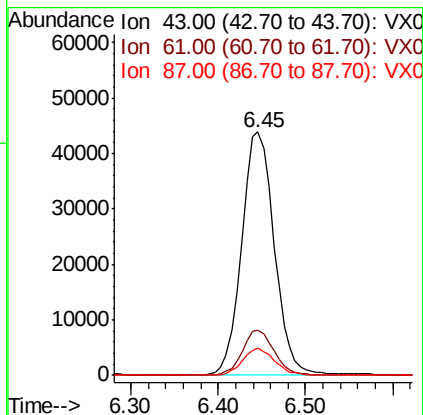
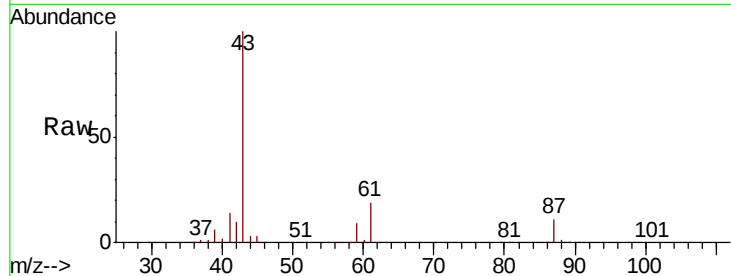


#43

Isopropyl Acetate
 Concen: 18.721 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX010001.D
 Acq: 31 May 2019 22:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0531WBS02

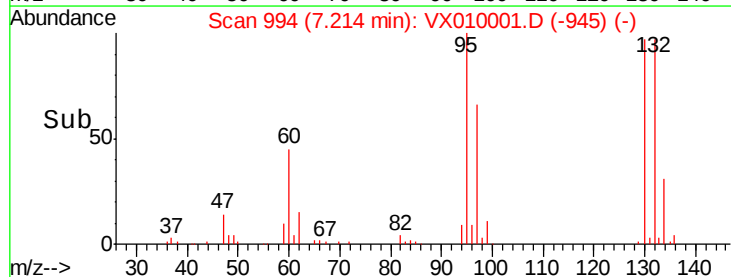
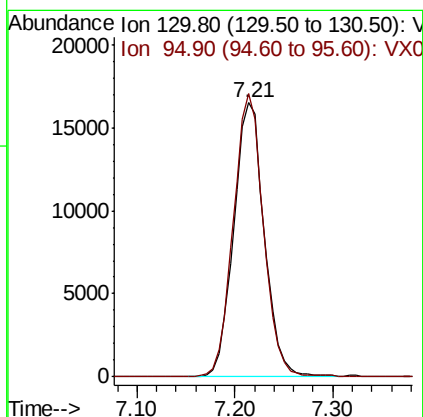
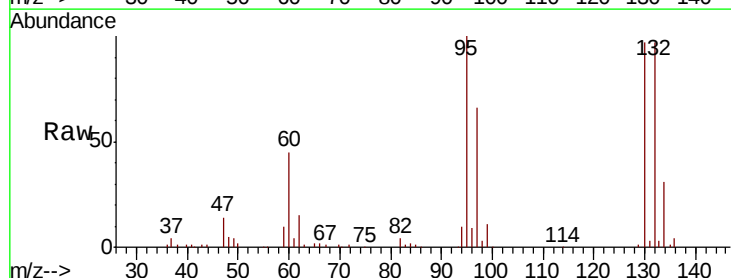
Tot Ion: 43 Resp: 112968
 Ion Ratio Lower Upper
 43 100
 61 18.2 14.6 21.8
 87 11.0 8.7 13.1

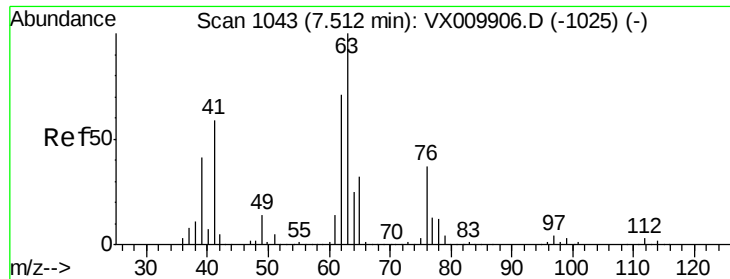


#44

Trichloroethene
 Concen: 18.488 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX010001.D
 Acq: 31 May 2019 22:37

Tgt Ion:130 Resp: 35755
 Ion Ratio Lower Upper
 130 100
 95 103.2 0.0 207.4

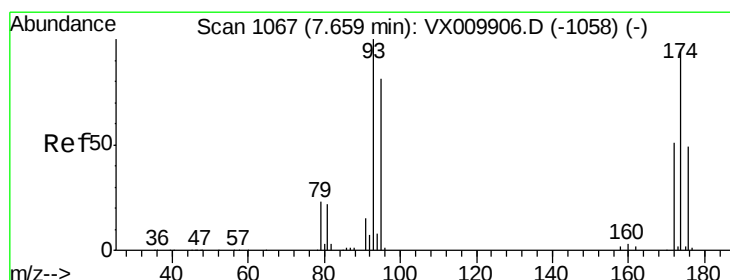
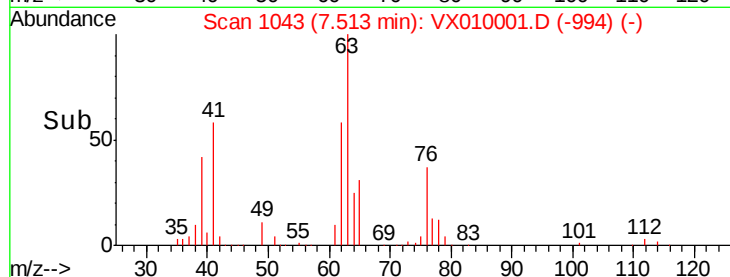
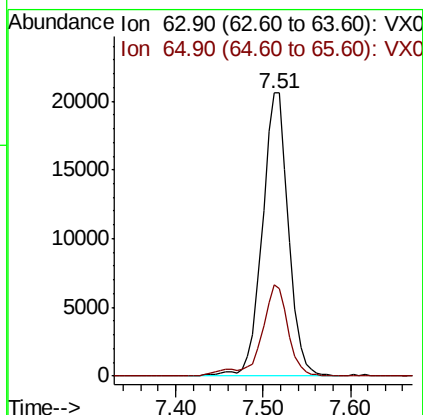
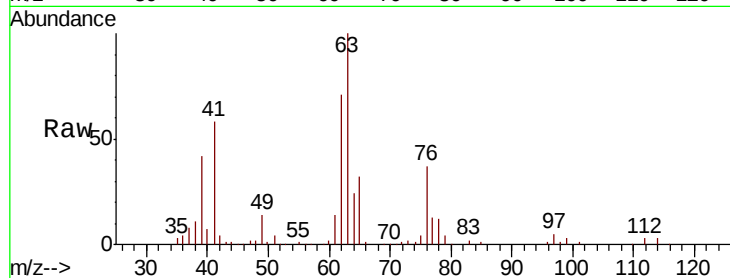




#45
 1,2-Dichloropropane
 Concen: 18.863 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX010001.D
 Acq: 31 May 2019 22:37

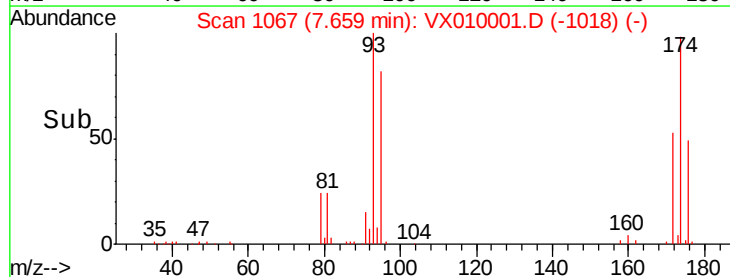
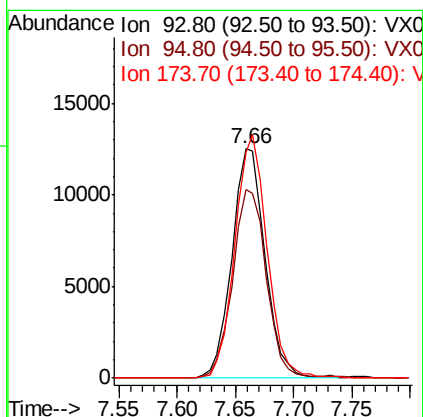
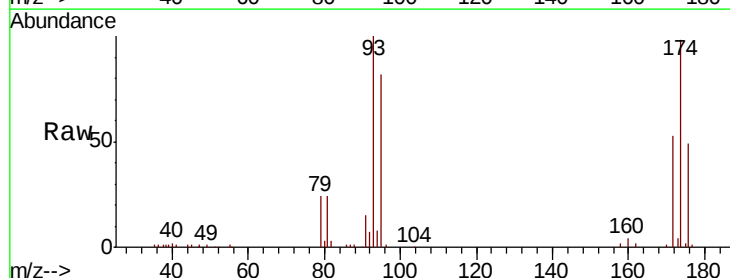
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0531WBS02

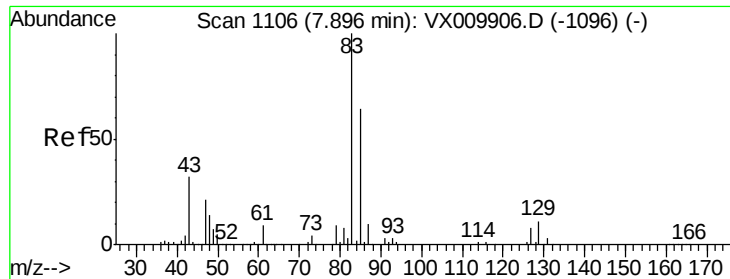
Tot Ion: 63 Resp: 43234
 Ion Ratio Lower Upper
 63 100
 65 32.2 25.7 38.5



#46
 Dibromomethane
 Concen: 18.434 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX010001.D
 Acq: 31 May 2019 22:37

Tgt Ion: 93 Resp: 24870
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.8 100.2
 174 103.3 81.9 122.9





#47

Bromodichloromethane

Concen: 19.094 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Instrument :

MSVOA_X

ClientSampleId :

VX0531WBS02

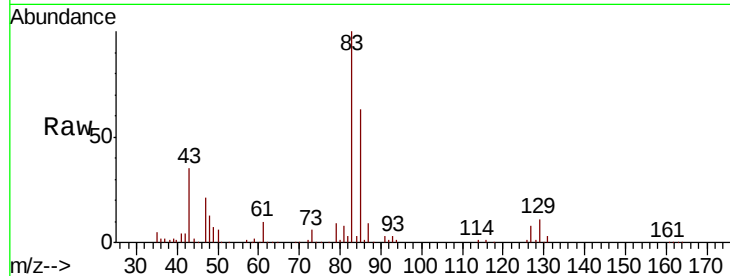
Tot Ion: 83 Resp: 48985

Ion Ratio Lower Upper

83 100

85 63.0 51.4 77.2

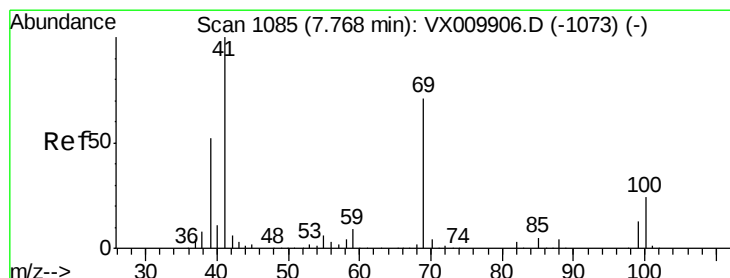
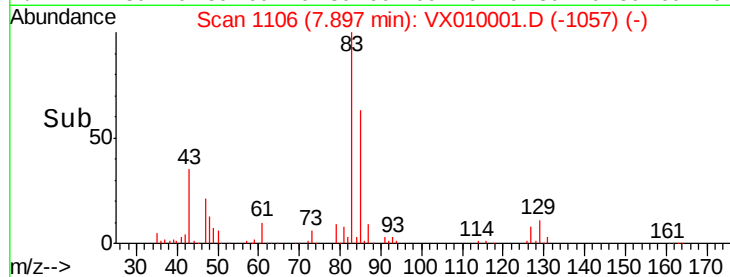
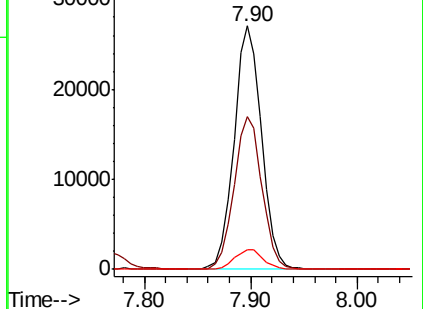
127 8.0 6.4 9.6



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: 18.737 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

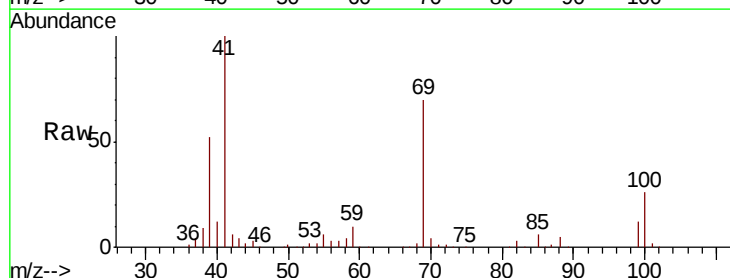
Tgt Ion: 41 Resp: 55971

Ion Ratio Lower Upper

41 100

69 71.6 56.4 84.6

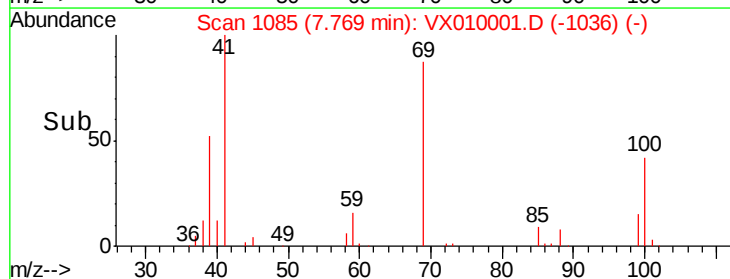
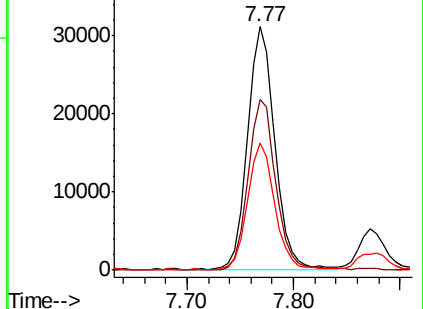
39 52.7 40.6 60.8

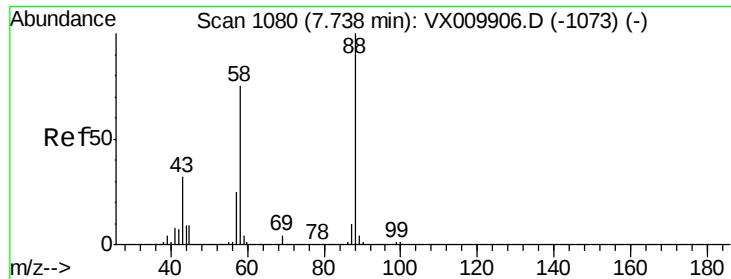


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

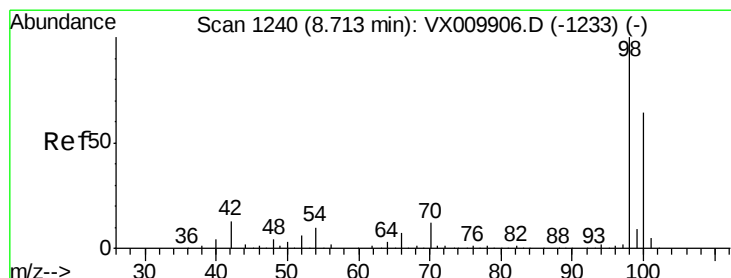
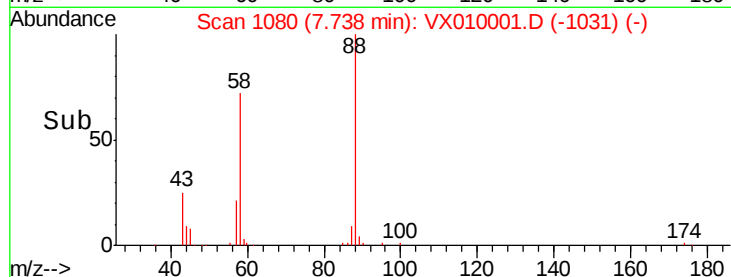
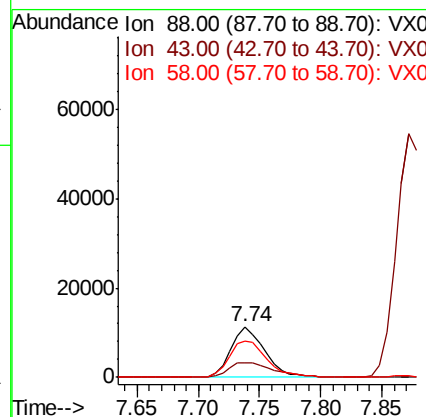
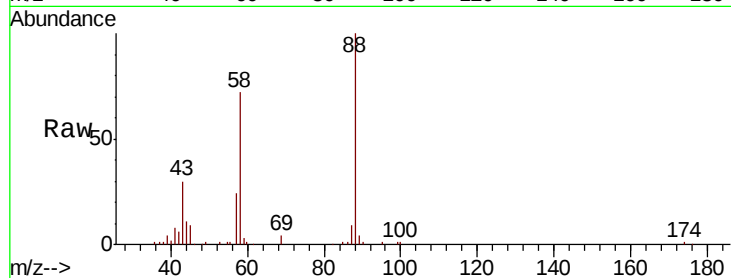




#49
1,4-Dioxane
Concen: 393.913 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

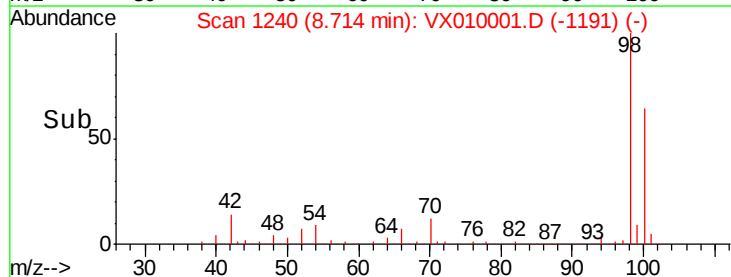
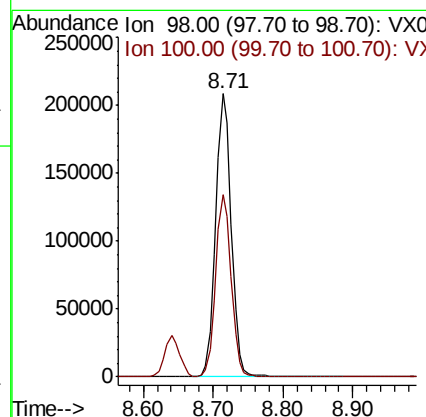
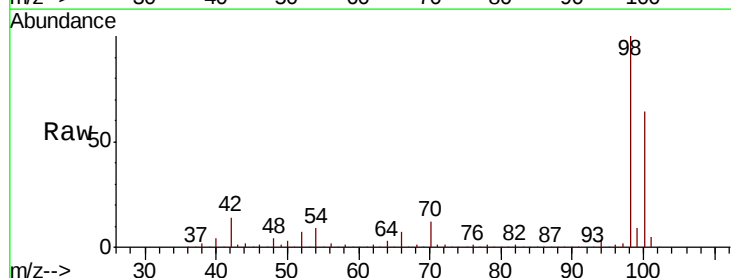
Instrument :
MSVOA_X
ClientSampleId :
VX0531WBS02

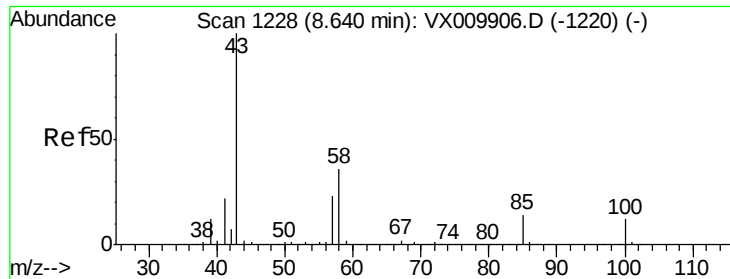
Tot Ion: 88 Resp: 21888
Ion Ratio Lower Upper
88 100
43 37.2 30.2 45.4
58 80.6 64.0 96.0



#50
Toluene-d8
Concen: 48.098 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Tgt Ion: 98 Resp: 324841
Ion Ratio Lower Upper
98 100
100 63.9 51.5 77.3

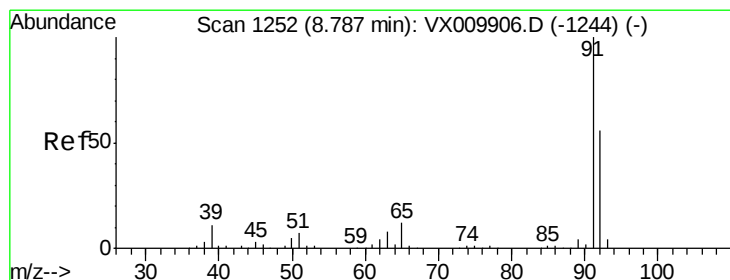
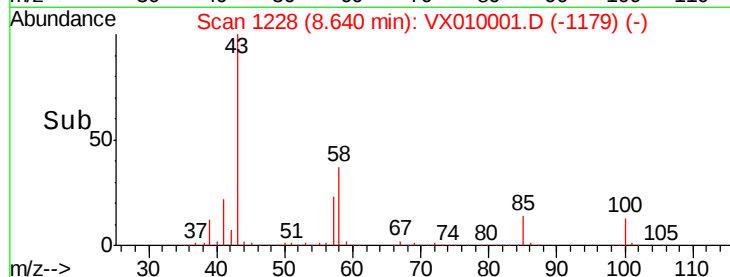
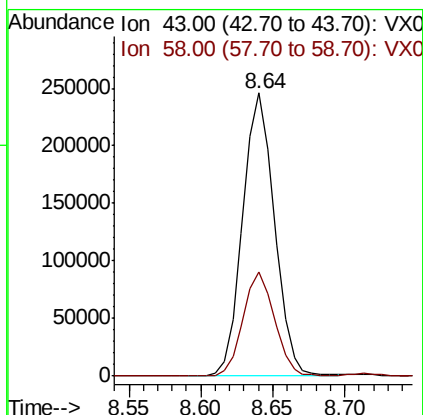
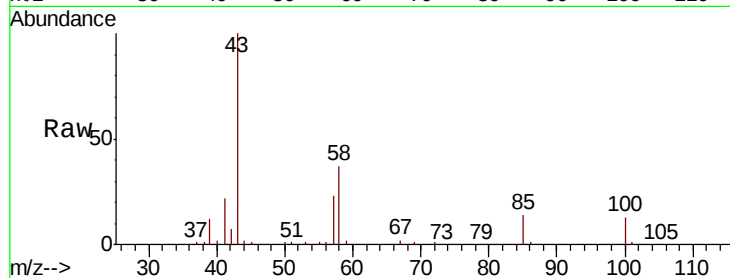




#51
4-Methyl-2-Pentanone
Concen: 96.073 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

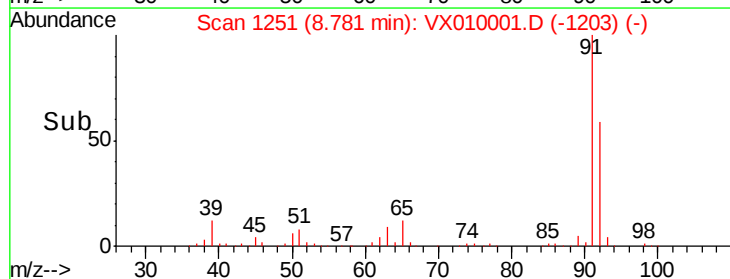
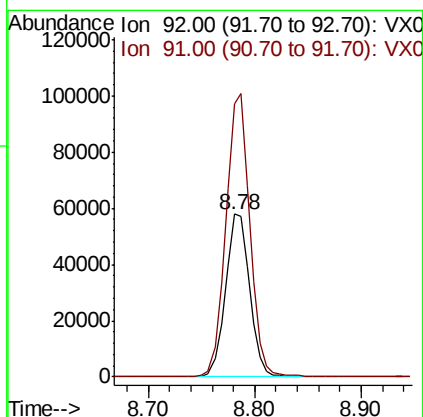
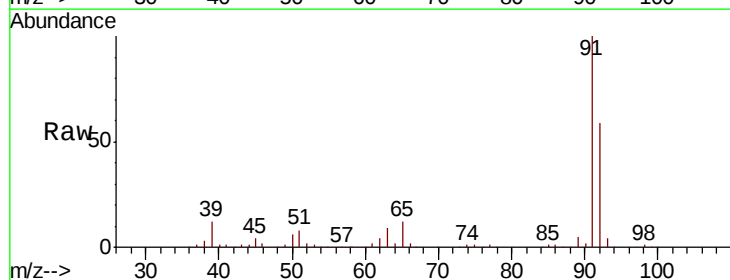
Instrument :
MSVOA_X
ClientSampleId :
VX0531WBS02

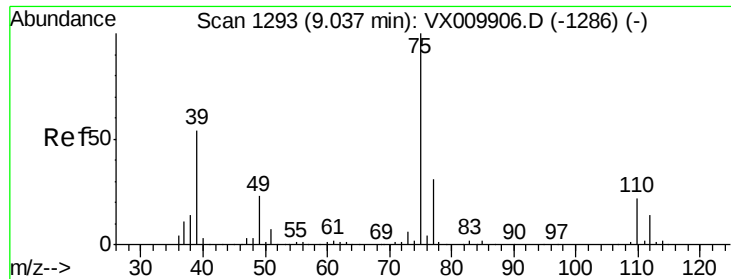
Tot Ion: 43 Resp: 377132
Ion Ratio Lower Upper
43 100
58 36.3 28.8 43.2



#52
Toluene
Concen: 19.115 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Tgt Ion: 92 Resp: 92408
Ion Ratio Lower Upper
92 100
91 172.7 139.9 209.9

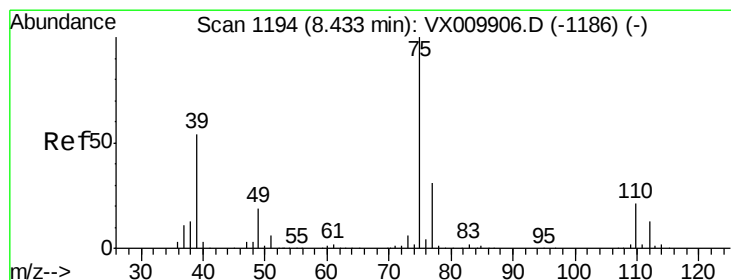
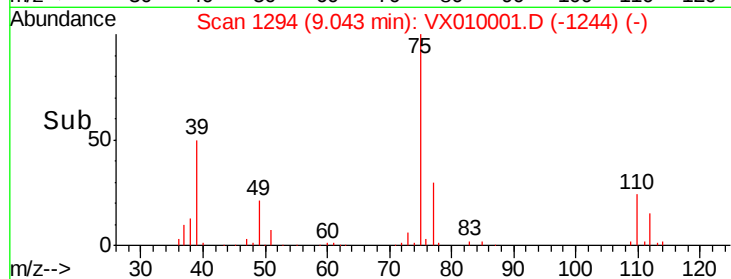
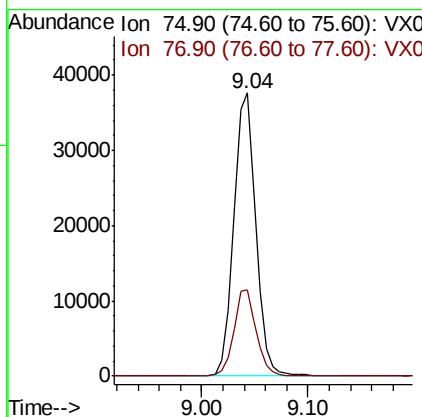
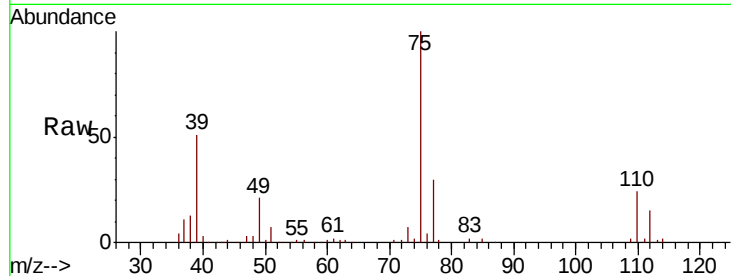




#53
 t-1,3-Dichloropropene
 Concen: 17.773 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.01 min
 Lab File: VX010001.D
 Acq: 31 May 2019 22:37

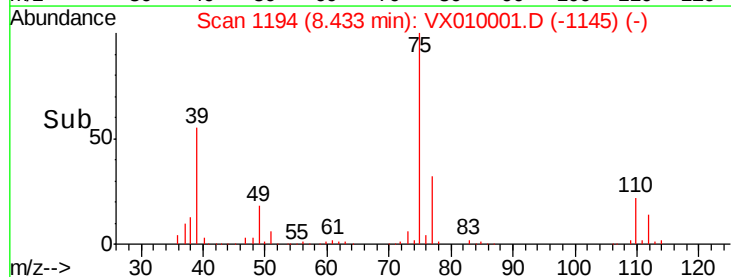
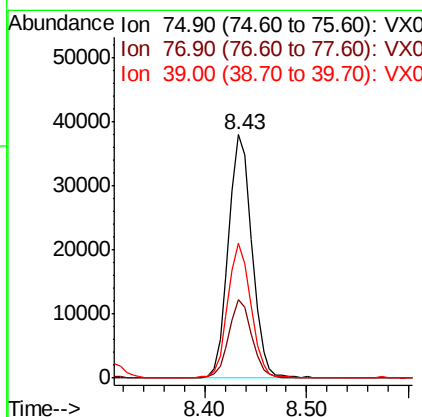
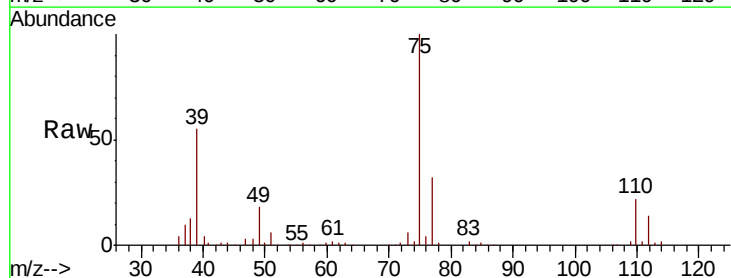
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0531WBS02

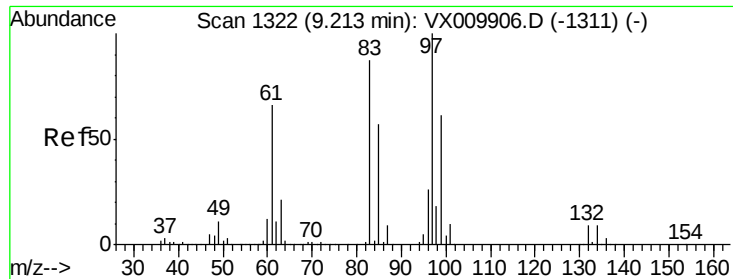
Tot Ion: 75 Resp: 54686
 Ion Ratio Lower Upper
 75 100
 77 30.4 24.6 36.8



#54
 cis-1,3-Dichloropropene
 Concen: 18.112 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX010001.D
 Acq: 31 May 2019 22:37

Tgt Ion: 75 Resp: 60717
 Ion Ratio Lower Upper
 75 100
 77 32.4 24.8 37.2
 39 55.2 43.4 65.0

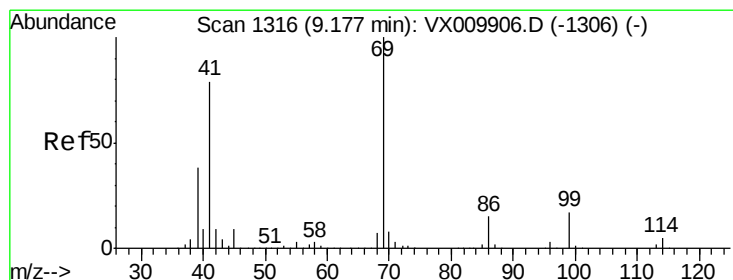
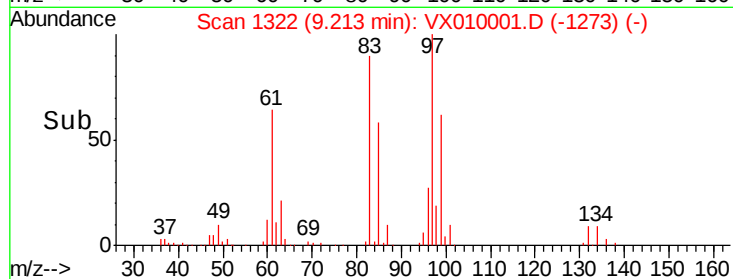
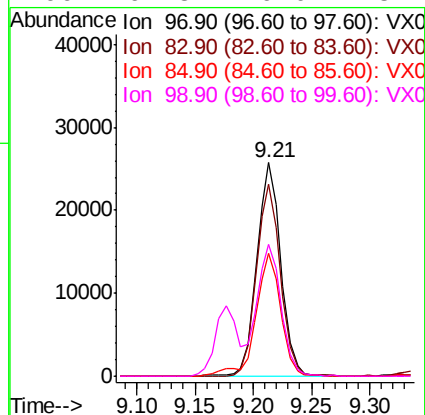
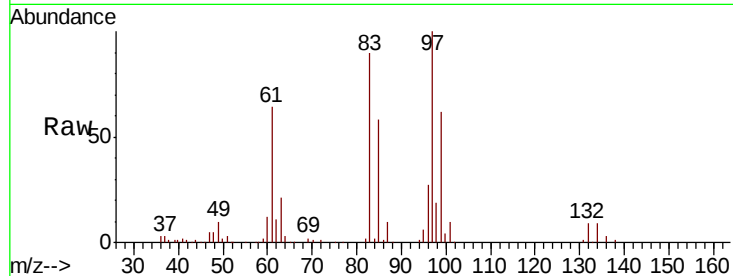




#55
 1,1,2-Trichloroethane
 Concen: 18.949 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010001.D
 Acq: 31 May 2019 22:37

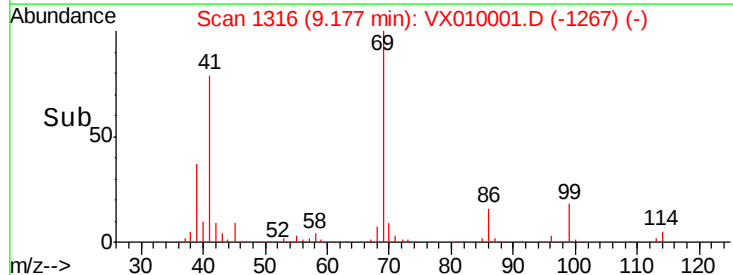
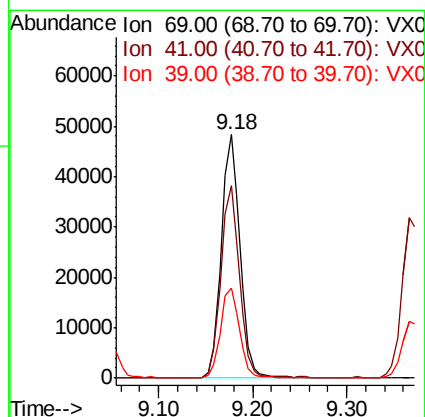
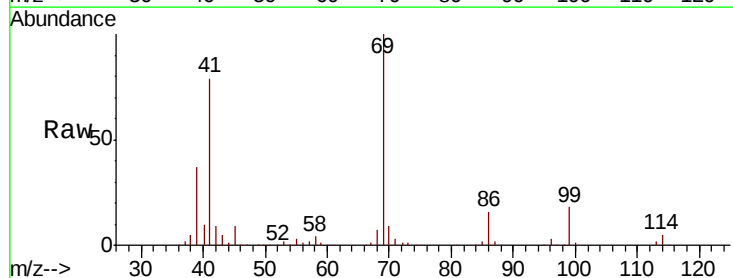
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0531WBS02

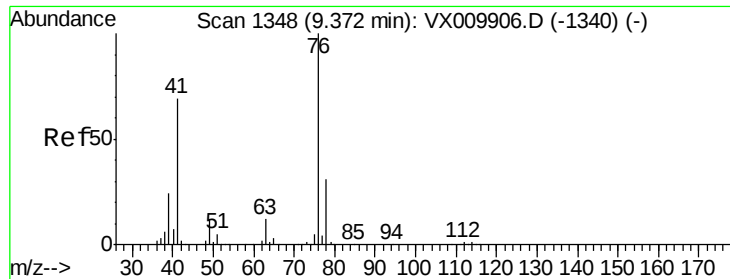
Tot Ion: 97 Resp: 36870
 Ion Ratio Lower Upper
 97 100
 83 90.0 69.8 104.8
 85 57.7 45.3 67.9
 99 61.8 49.0 73.4



#56
 Ethyl methacrylate
 Concen: 19.291 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010001.D
 Acq: 31 May 2019 22:37

Tgt Ion: 69 Resp: 66824
 Ion Ratio Lower Upper
 69 100
 41 77.8 62.7 94.1
 39 37.3 29.5 44.3





#57

1,3-Dichloropropane

Concen: 18.682 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Instrument :

MSVOA_X

ClientSampleId :

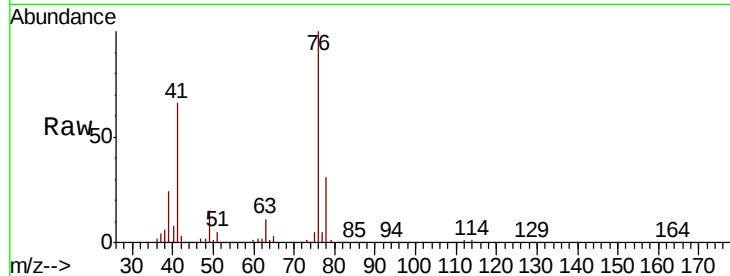
VX0531WBS02

Tot Ion: 76 Resp: 65279

Ion Ratio Lower Upper

76 100

78 32.3 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

50000

40000

30000

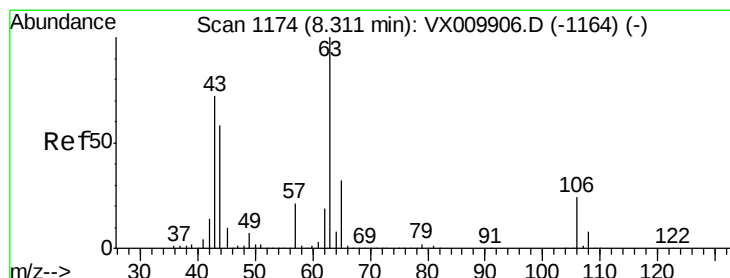
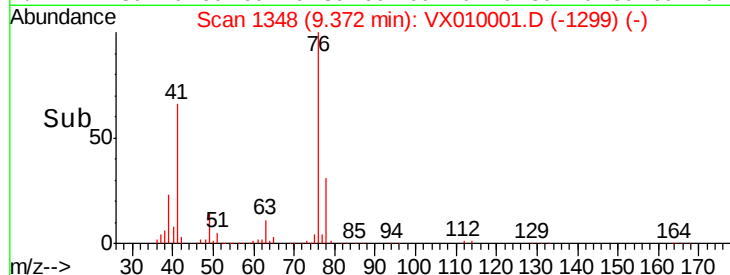
20000

10000

0

9.30 9.35 9.40 9.45

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 95.096 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX010001.D

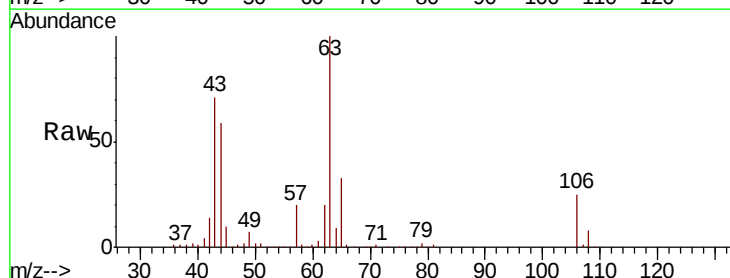
Acq: 31 May 2019 22:37

Tgt Ion: 63 Resp: 172735

Ion Ratio Lower Upper

63 100

106 24.2 19.4 29.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

120000

100000

80000

60000

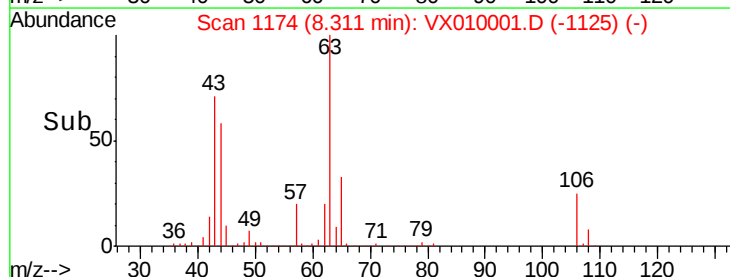
40000

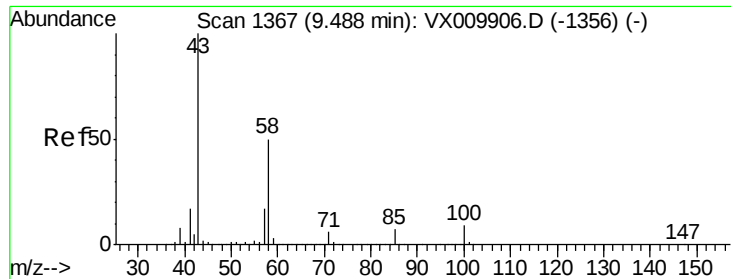
20000

0

8.20 8.30 8.40

Time-->

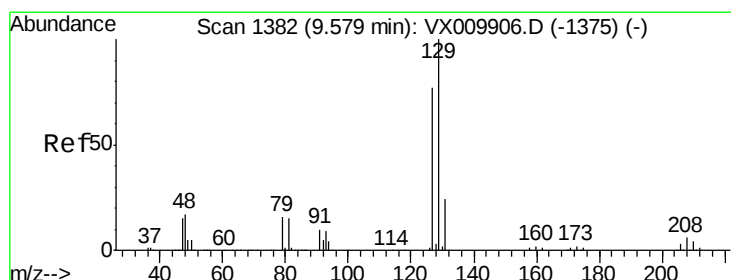
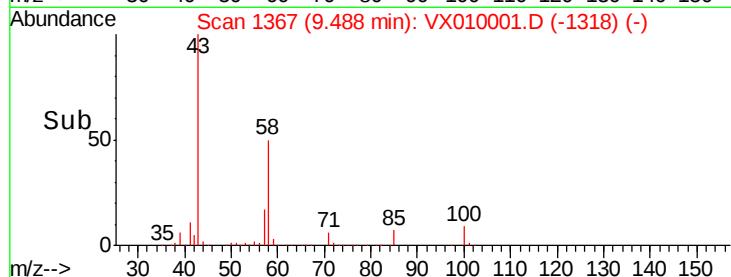
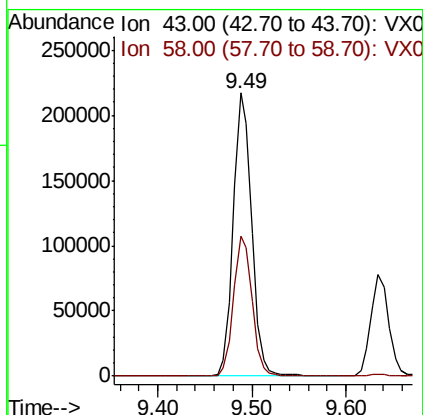
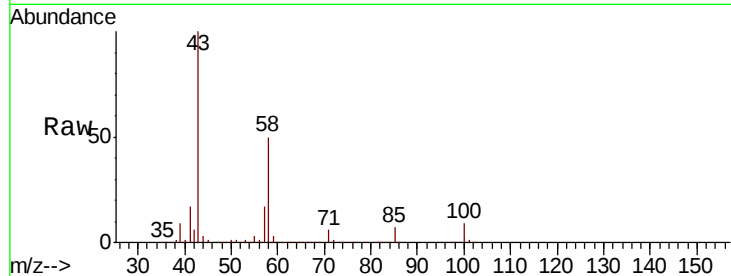




#59
2-Hexanone
Concen: 97.303 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

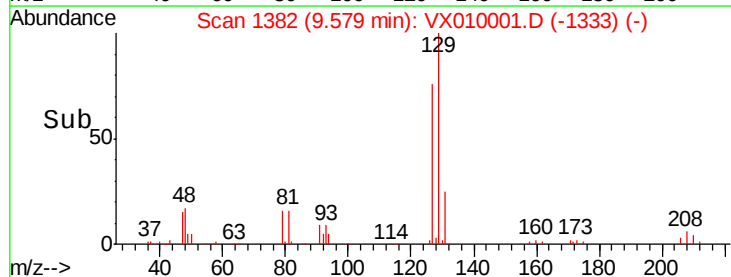
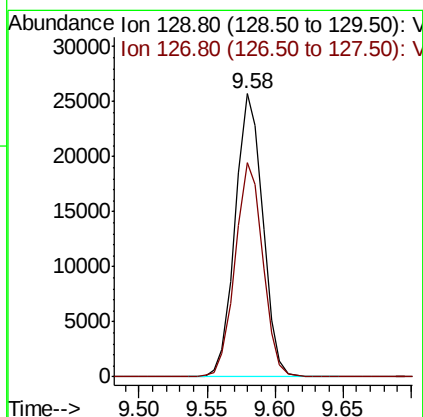
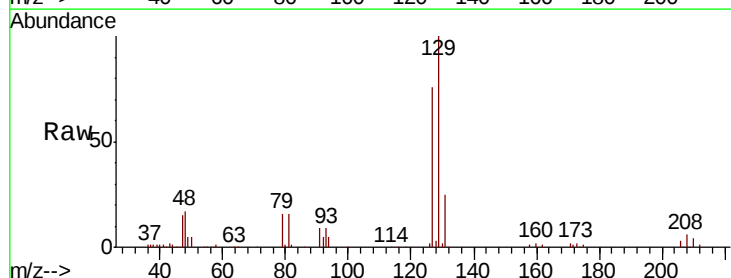
Instrument :
MSVOA_X
ClientSampleId :
VX0531WBS02

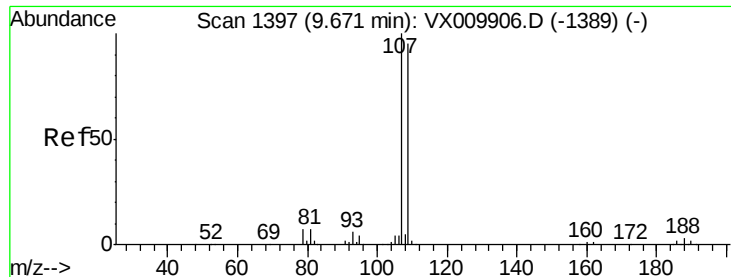
Tot Ion: 43 Resp: 294073
Ion Ratio Lower Upper
43 100
58 50.1 25.1 75.3



#60
Dibromochloromethane
Concen: 19.029 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Tgt Ion: 129 Resp: 36422
Ion Ratio Lower Upper
129 100
127 76.1 38.5 115.5





#61

1,2-Dibromoethane

Concen: 18.767 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Instrument :

MSVOA_X

ClientSampleId :

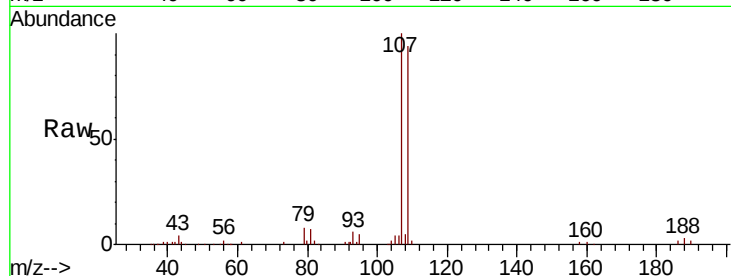
VX0531WBS02

Tot Ion:107 Resp: 37515

Ion Ratio Lower Upper

107 100

109 95.8 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

30000

25000

20000

15000

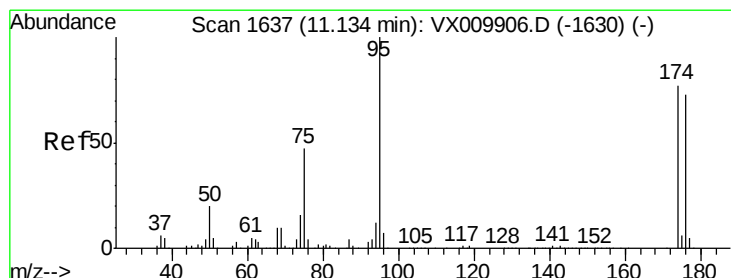
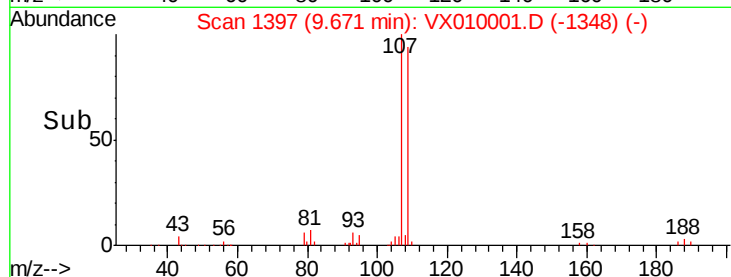
10000

5000

0

Time-->

9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 48.397 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

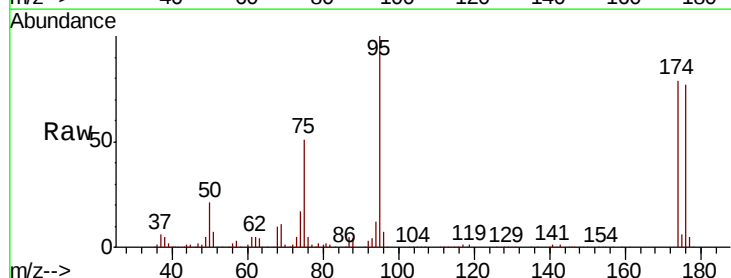
Tgt Ion: 95 Resp: 117401

Ion Ratio Lower Upper

95 100

174 82.2 0.0 160.4

176 80.2 0.0 154.6



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

120000

100000

80000

60000

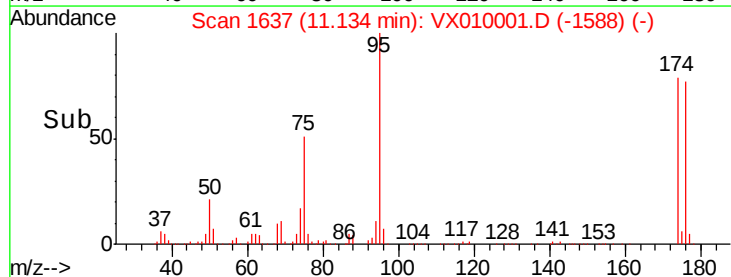
40000

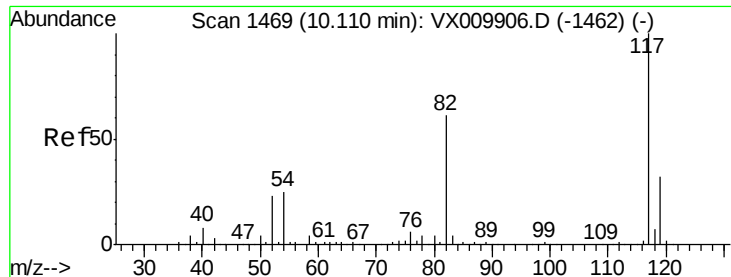
20000

0

Time-->

11.10 11.20

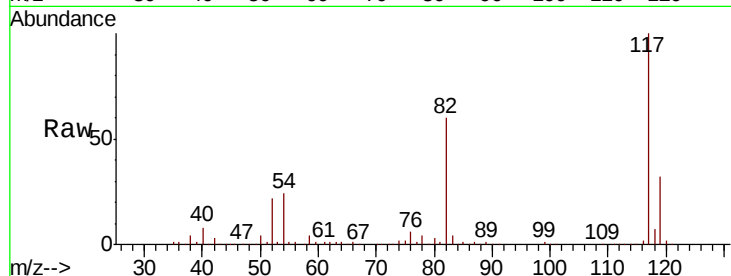




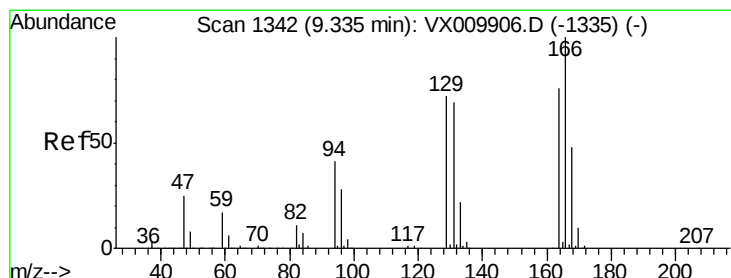
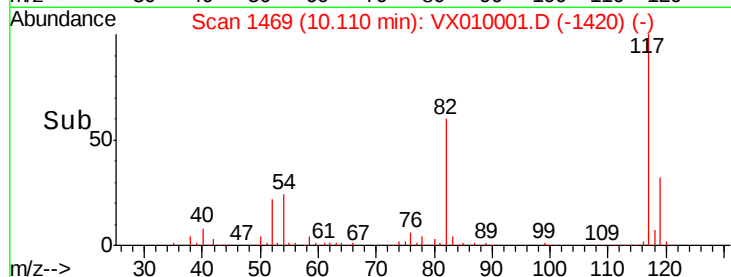
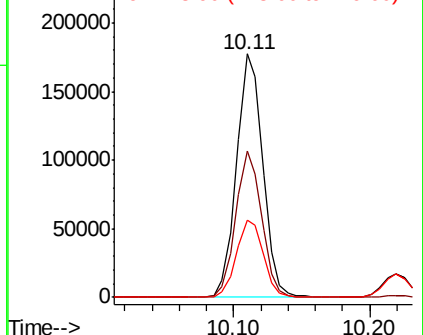
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Instrument :
MSVOA_X
ClientSampleId :
VX0531WBS02

Tot Ion:117 Resp: 238717
Ion Ratio Lower Upper
117 100
82 60.0 49.2 73.8
119 31.6 25.2 37.8

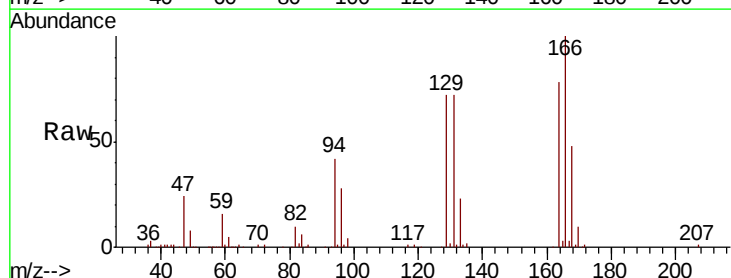


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

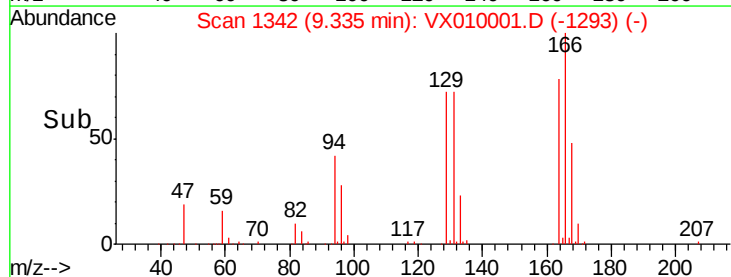
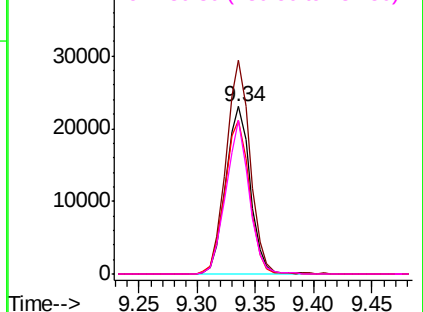


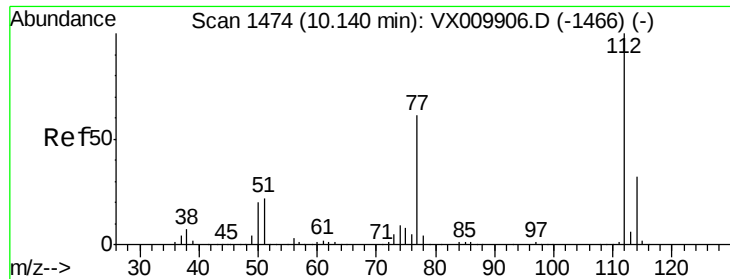
#64
Tetrachloroethene
Concen: 20.146 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Tgt Ion:164 Resp: 33592
Ion Ratio Lower Upper
164 100
166 127.6 105.0 157.4
129 91.4 75.1 112.7
131 92.0 72.2 108.4



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

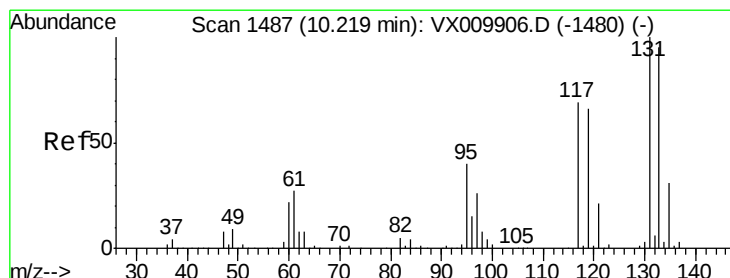
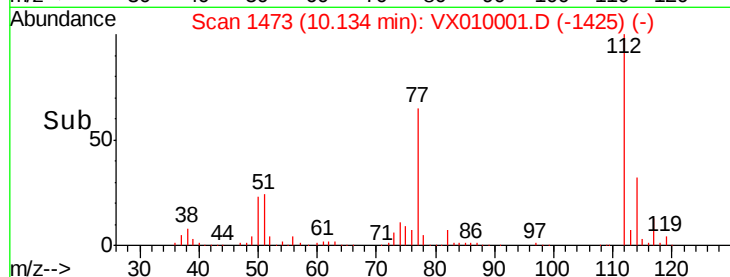
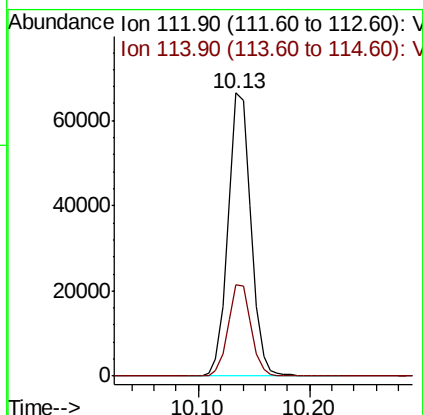
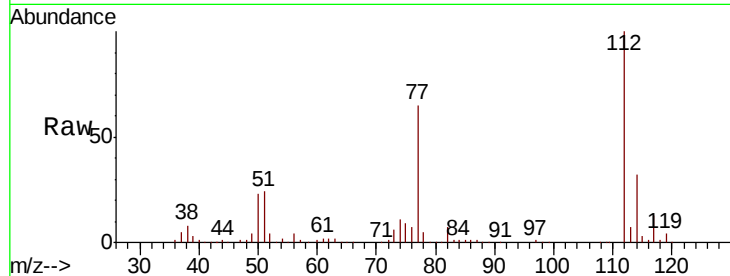




#65
Chlorobenzene
Concen: 18.921 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

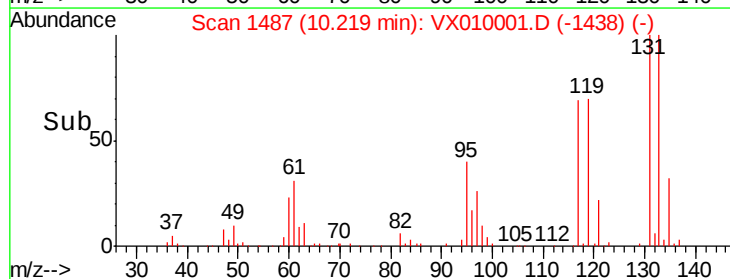
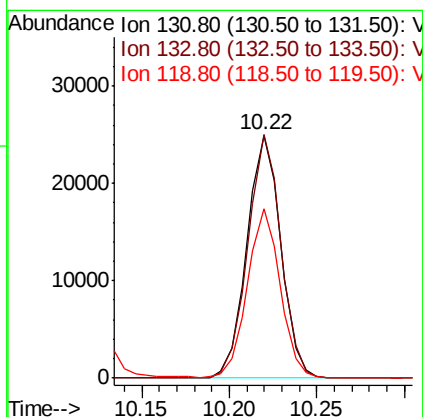
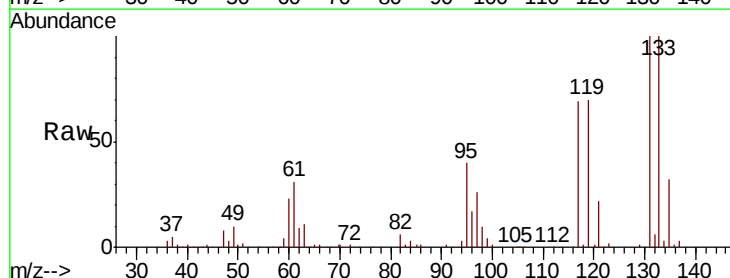
Instrument :
MSVOA_X
ClientSampleId :
VX0531WBS02

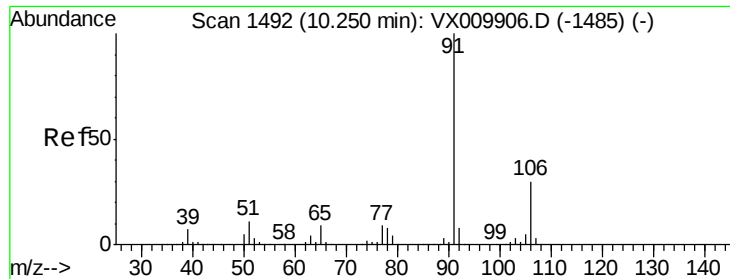
Tot Ion:112 Resp: 94559
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.391 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Tgt Ion:131 Resp: 33611
Ion Ratio Lower Upper
131 100
133 98.0 47.5 142.6
119 68.0 33.4 100.1

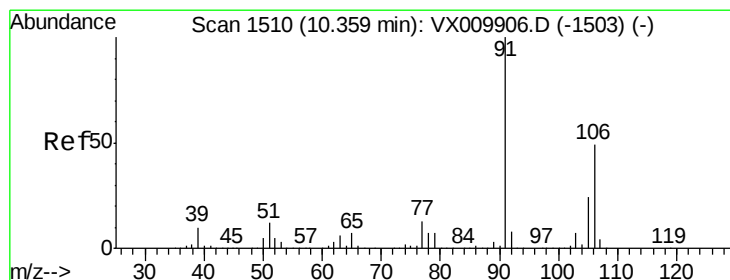
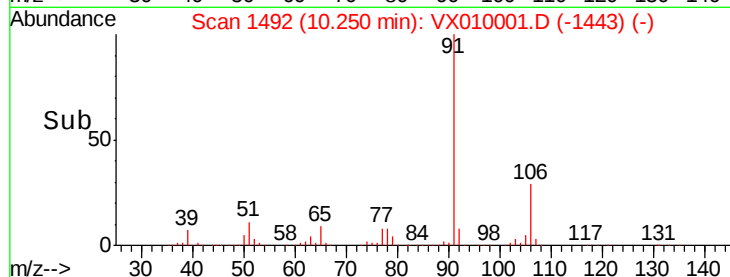
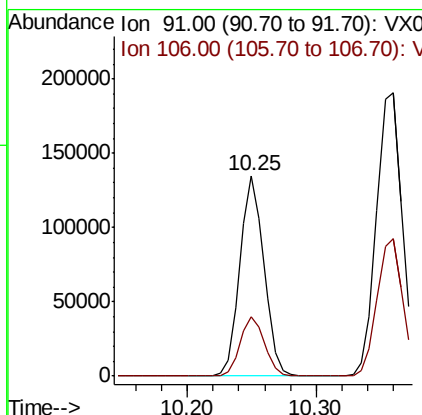
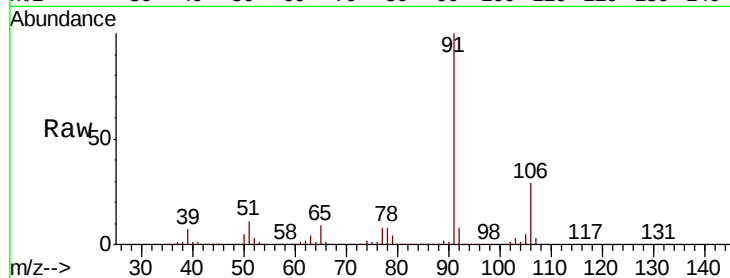




#67
Ethyl Benzene
Concen: 19.496 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

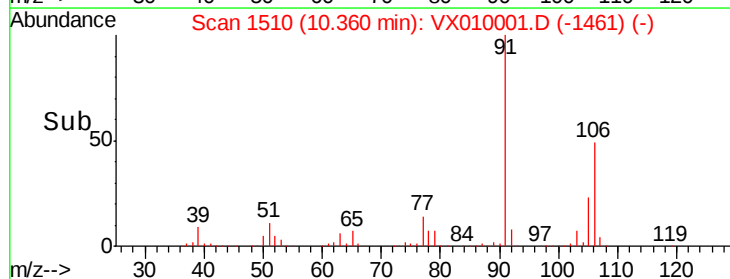
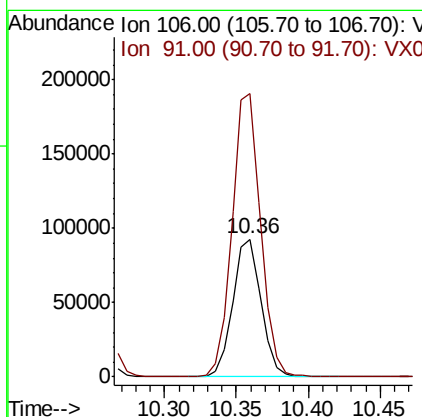
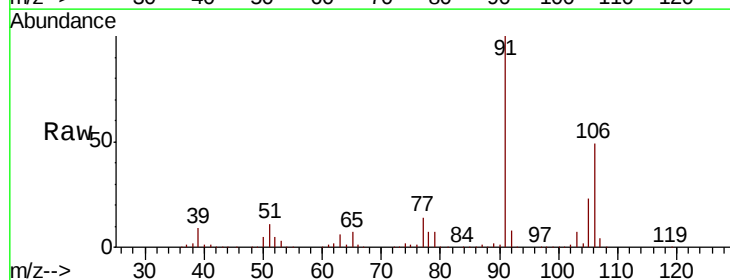
Instrument :
MSVOA_X
ClientSampled :
VX0531WBS02

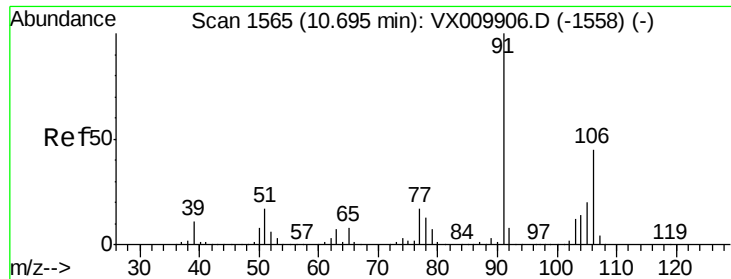
Tot Ion: 91 Resp: 174943
Ion Ratio Lower Upper
91 100
106 29.5 23.9 35.9



#68
m/p-Xylenes
Concen: 38.456 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Tgt Ion: 106 Resp: 127482
Ion Ratio Lower Upper
106 100
91 207.1 167.3 250.9

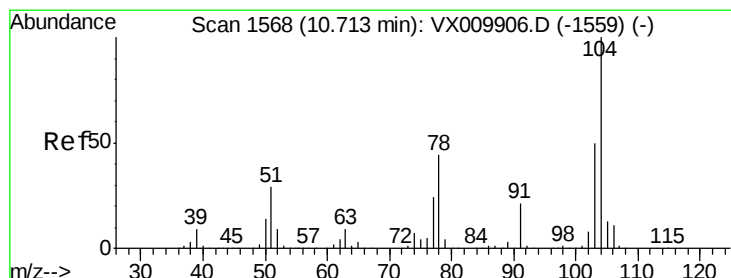
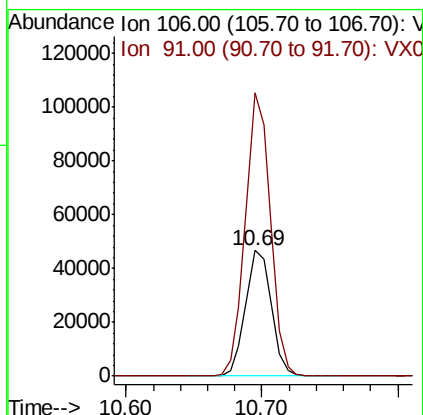
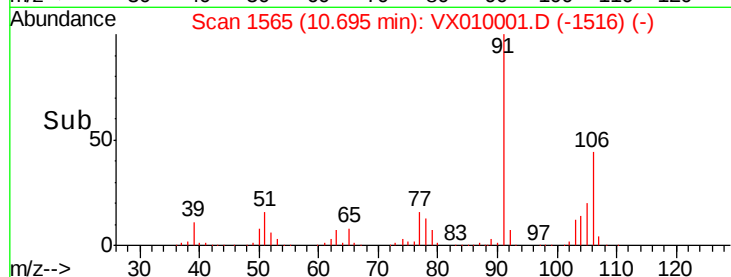
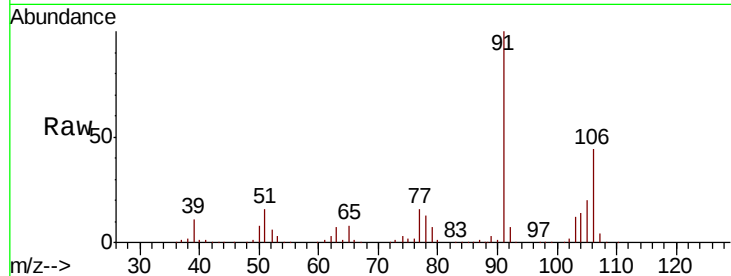




#69
o-Xylene
Concen: 19.707 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

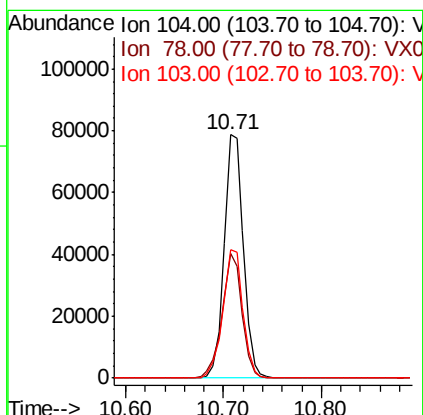
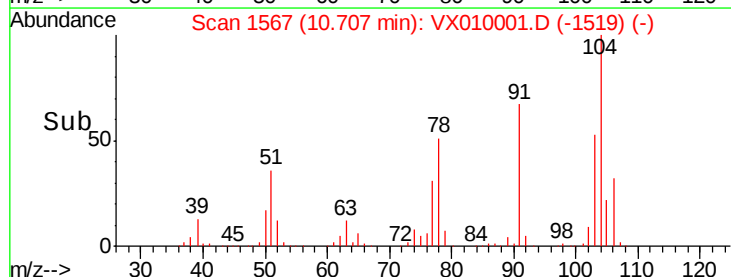
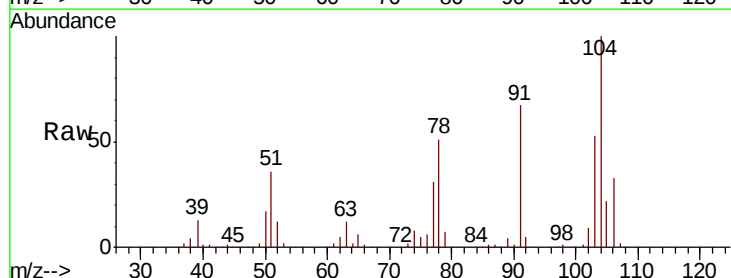
Instrument :
MSVOA_X
ClientSampleId :
VX0531WBS02

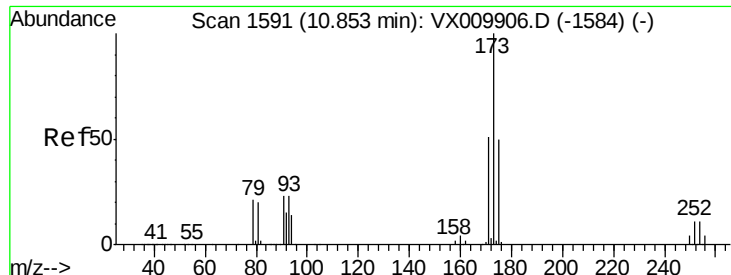
Tot Ion:106 Resp: 62652
Ion Ratio Lower Upper
106 100
91 218.4 110.4 331.2



#70
Styrene
Concen: 19.236 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Tgt Ion:104 Resp: 107238
Ion Ratio Lower Upper
104 100
78 52.8 42.1 63.1
103 55.6 44.1 66.1





#71

Bromoform

Concen: 19.508 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Instrument :

MSVOA_X

ClientSampleId :

VX0531WBS02

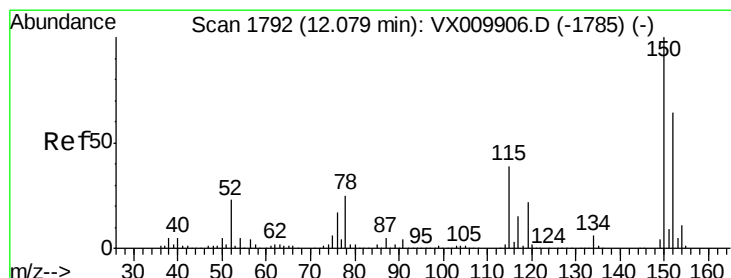
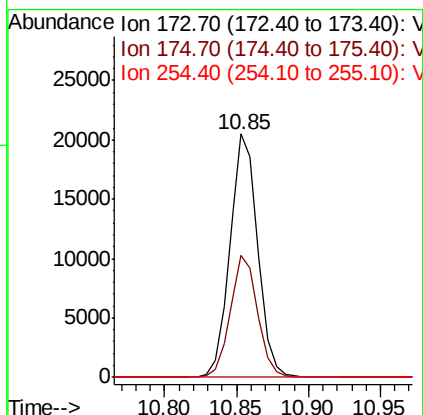
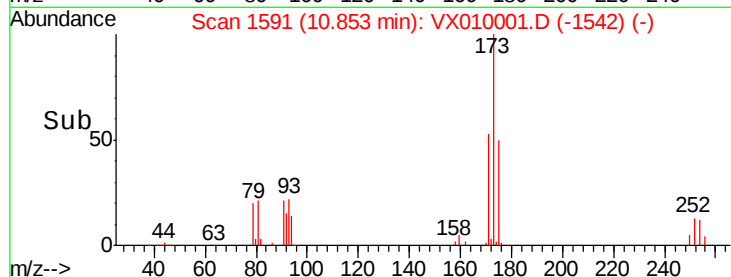
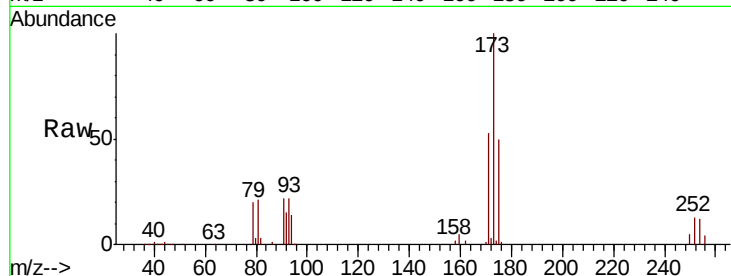
Tot Ion:173 Resp: 27640

Ion Ratio Lower Upper

173 100

175 49.3 25.0 75.0

254 0.0 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

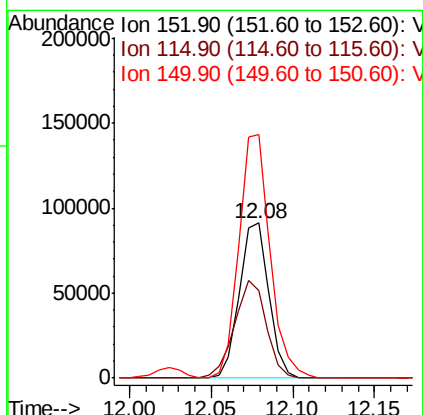
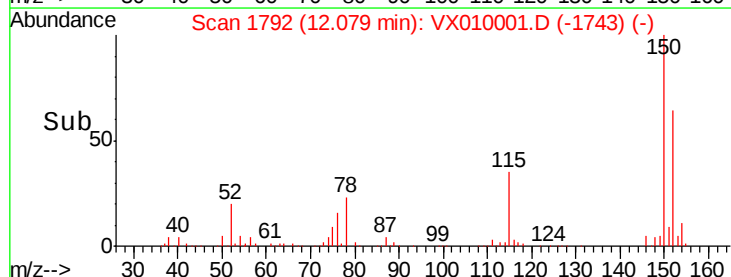
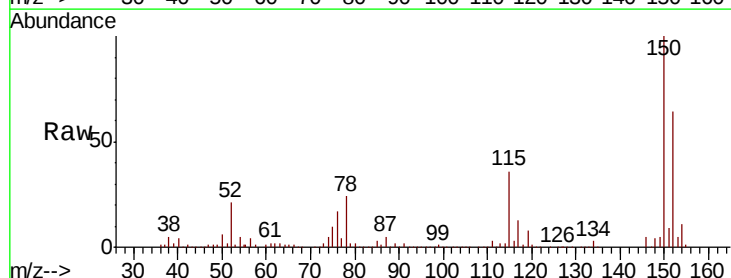
Tgt Ion:152 Resp: 115044

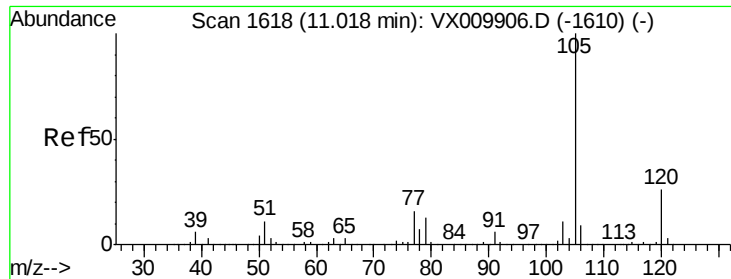
Ion Ratio Lower Upper

152 100

115 68.3 41.4 124.2

150 165.9 0.0 345.2





#73

Isopropylbenzene

Concen: 19.691 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Instrument :

MSVOA_X

ClientSampleId :

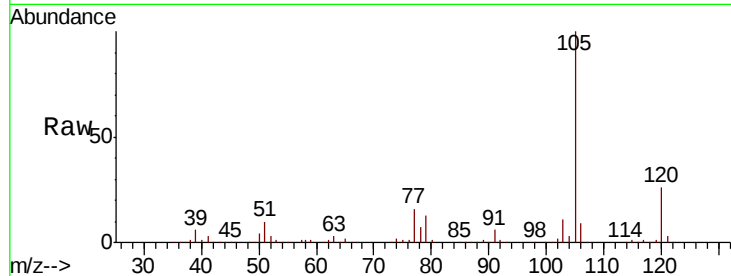
VX0531WBS02

Tot Ion:105 Resp: 167139

Ion Ratio Lower Upper

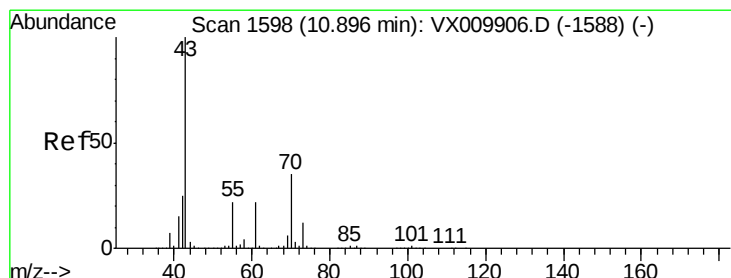
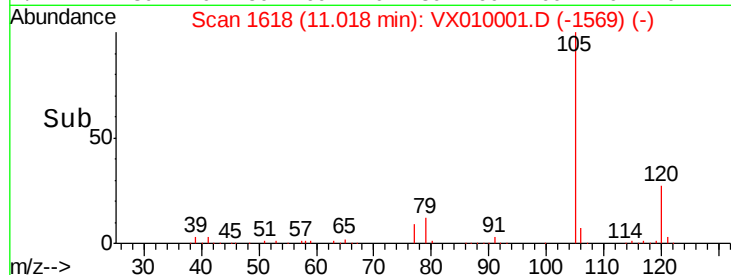
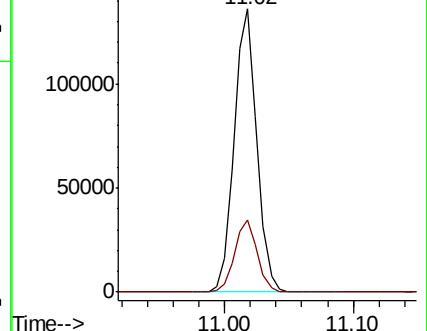
105 100

120 25.6 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.651 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Tgt Ion: 43 Resp: 99672

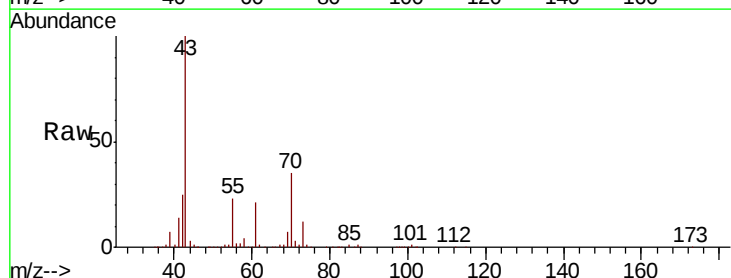
Ion Ratio Lower Upper

43 100

70 36.3 28.6 43.0

55 22.7 17.8 26.8

61 22.0 17.7 26.5

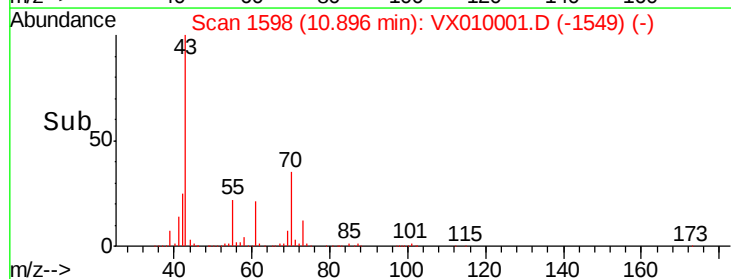
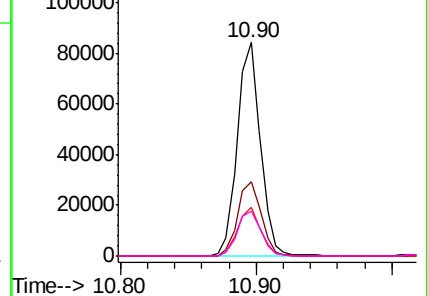


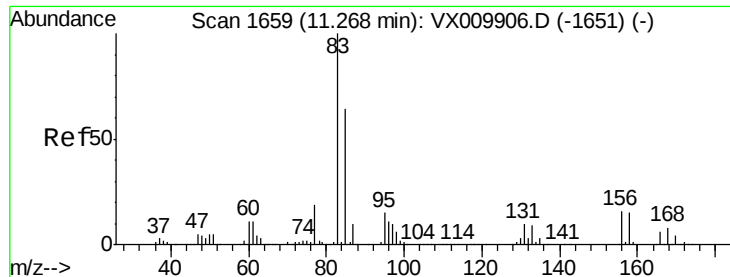
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.559 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Instrument :

MSVOA_X

ClientSampleId :

VX0531WBS02

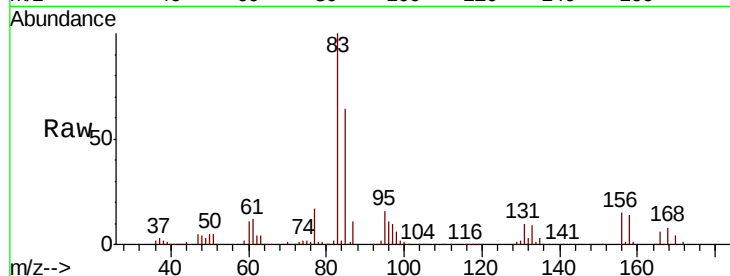
Tot Ion: 83 Resp: 61939

Ion Ratio Lower Upper

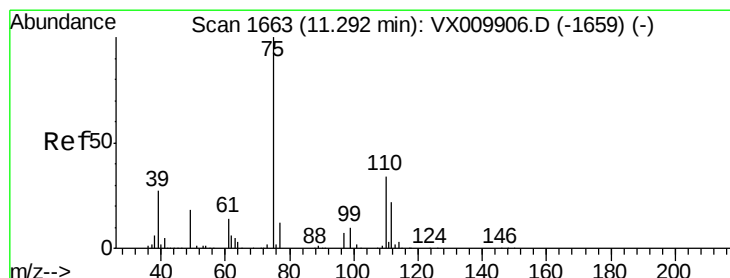
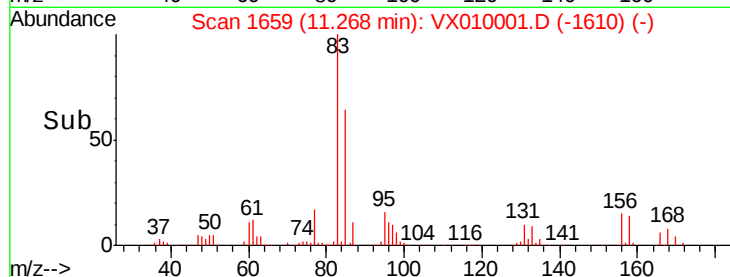
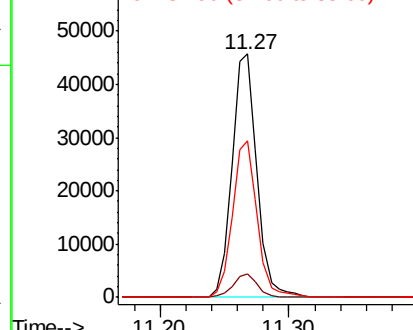
83 100

131 9.4 4.7 14.1

85 63.9 31.9 95.9



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: 25.609 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX010001.D

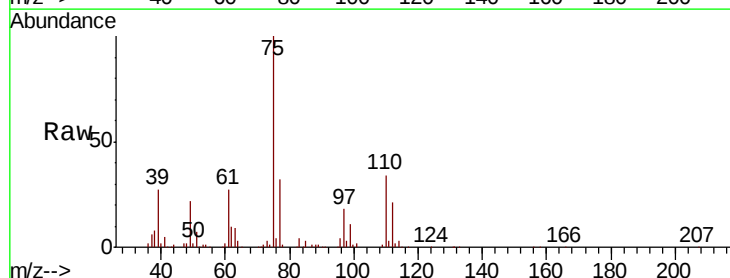
Acq: 31 May 2019 22:37

Tgt Ion: 75 Resp: 70453

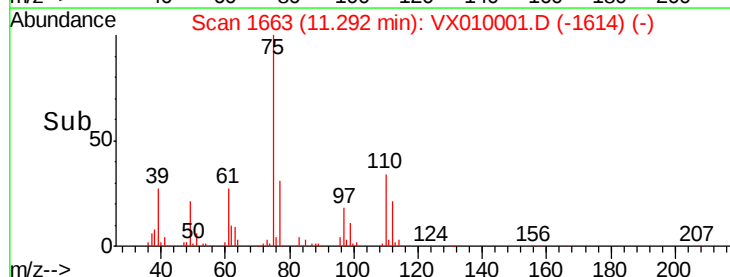
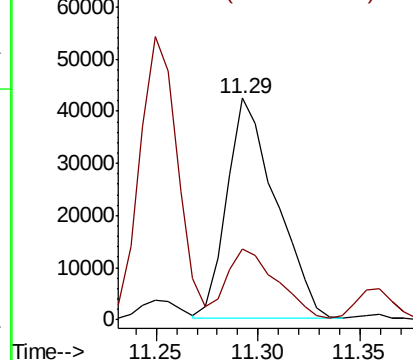
Ion Ratio Lower Upper

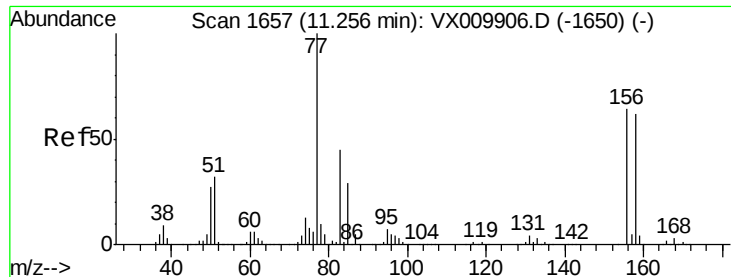
75 100

77 33.0 22.1 66.1



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





#77

Bromobenzene

Concen: 19.178 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Instrument :

MSVOA_X

ClientSampleId :

VX0531WBS02

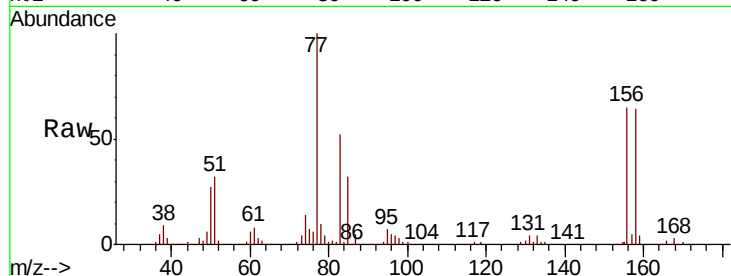
Tot Ion:156 Resp: 41486

Ion Ratio Lower Upper

156 100

77 169.1 86.8 260.3

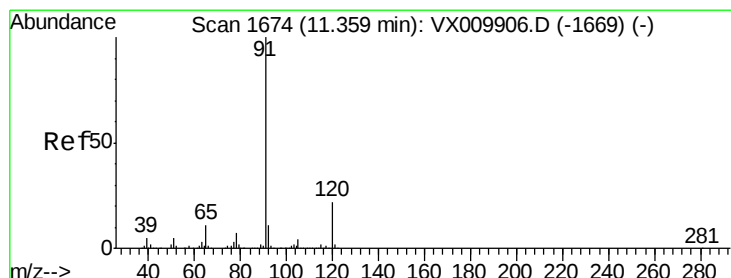
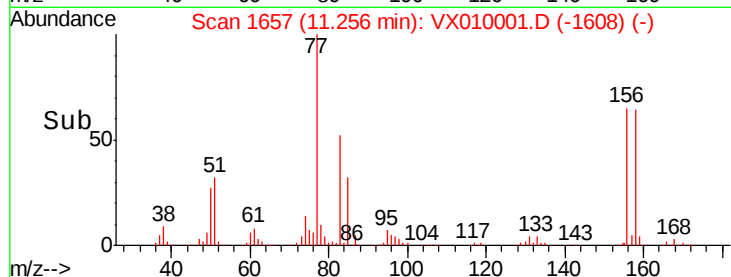
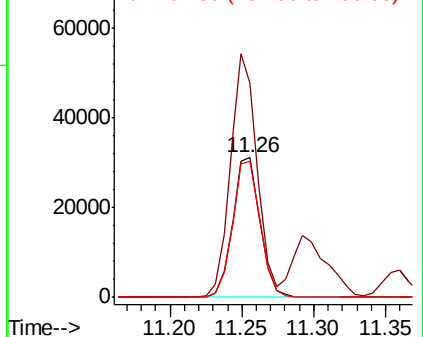
158 97.6 49.6 148.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.394 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010001.D

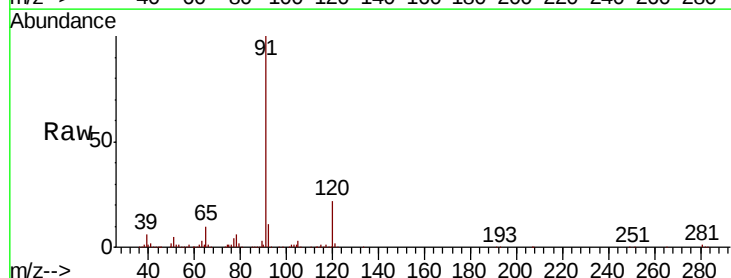
Acq: 31 May 2019 22:37

Tgt Ion: 91 Resp: 189747

Ion Ratio Lower Upper

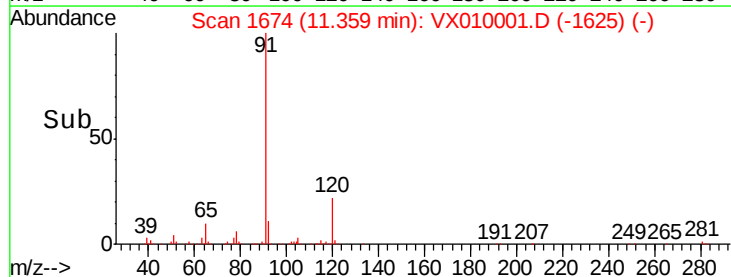
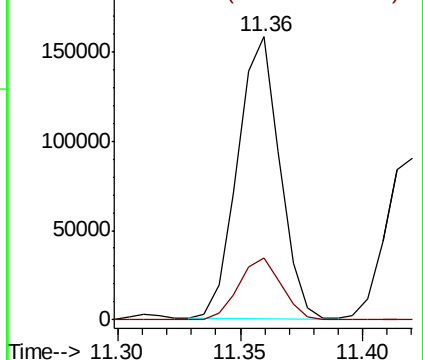
91 100

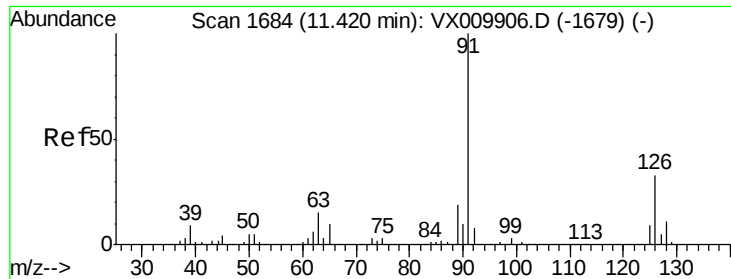
120 22.4 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.122 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Instrument :

MSVOA_X

ClientSampleId :

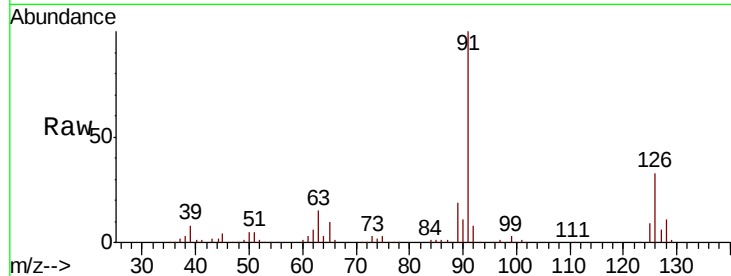
VX0531WBS02

Tot Ion: 91 Resp: 114305

Ion Ratio Lower Upper

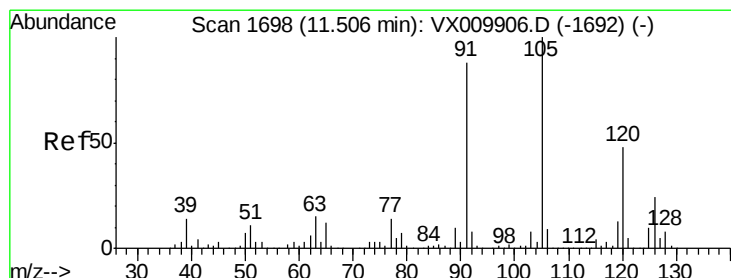
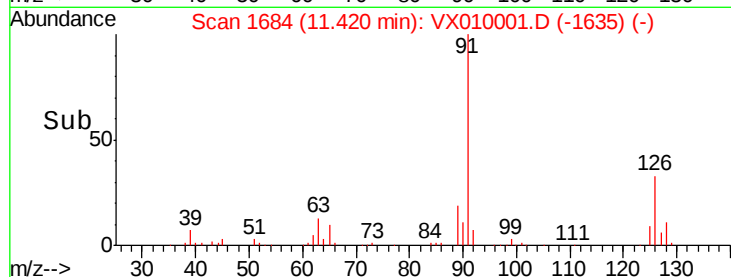
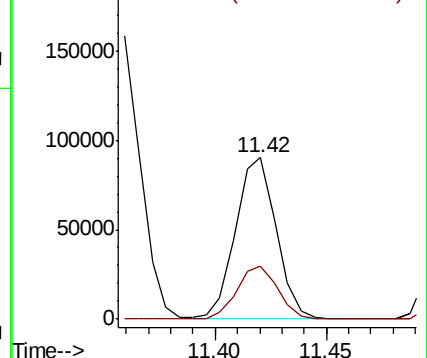
91 100

126 33.2 16.1 48.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.601 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010001.D

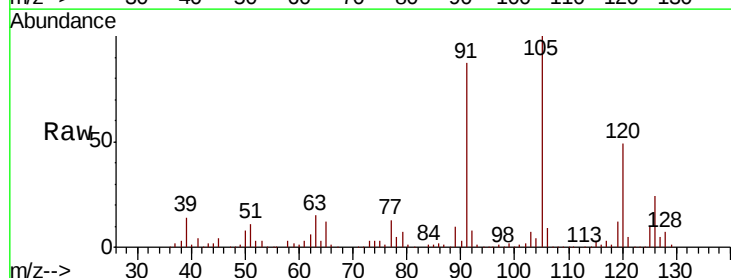
Acq: 31 May 2019 22:37

Tgt Ion:105 Resp: 140163

Ion Ratio Lower Upper

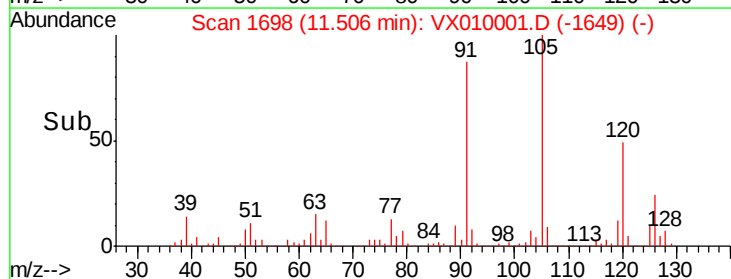
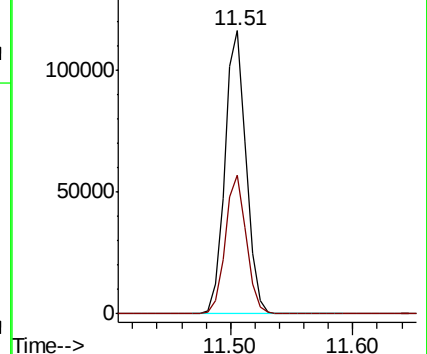
105 100

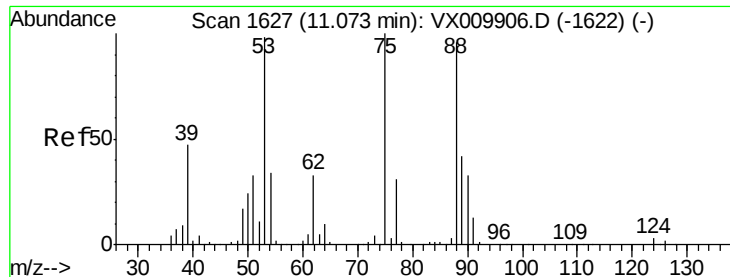
120 48.4 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 16.660 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Instrument :

MSVOA_X

ClientSampleId :

VX0531WBS02

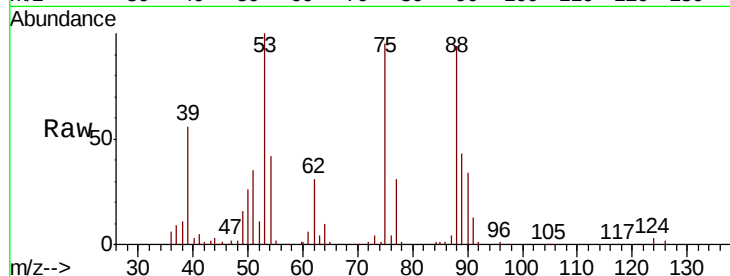
Tot Ion: 75 Resp: 18525

Ion Ratio Lower Upper

75 100

53 109.5 79.8 119.6

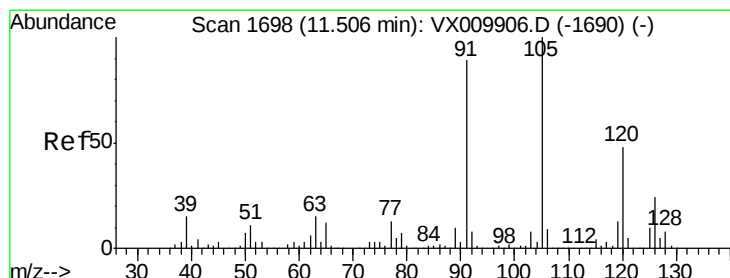
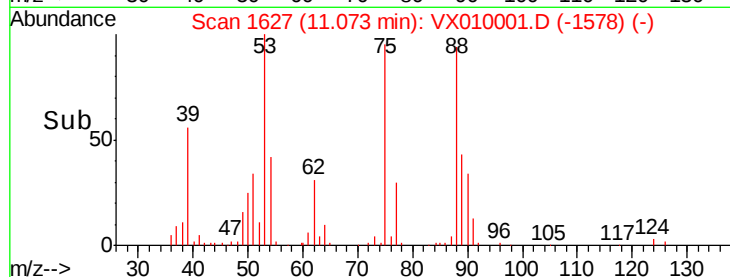
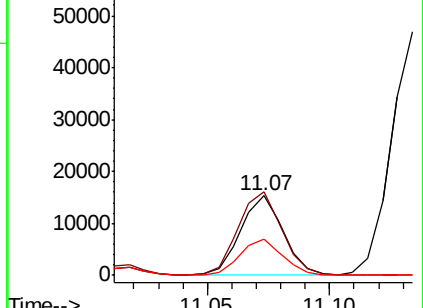
89 45.6 34.2 51.4



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 18.833 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010001.D

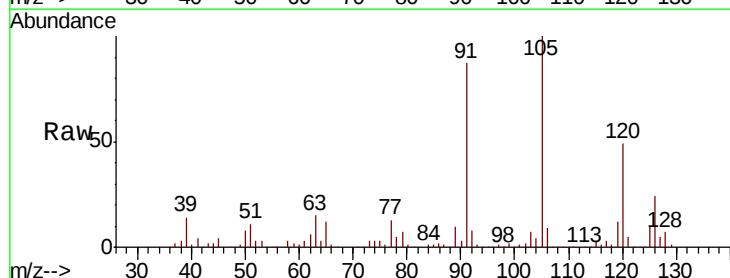
Acq: 31 May 2019 22:37

Tgt Ion: 91 Resp: 131054

Ion Ratio Lower Upper

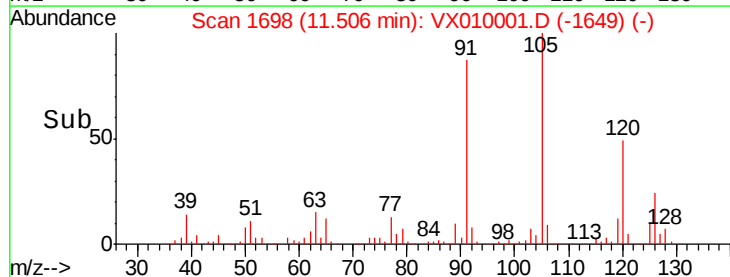
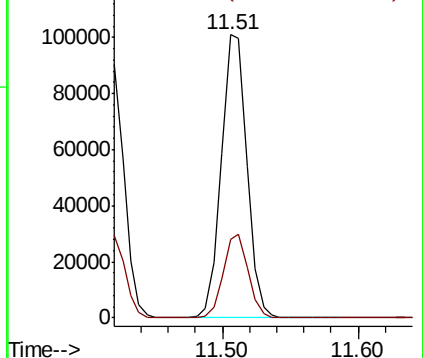
91 100

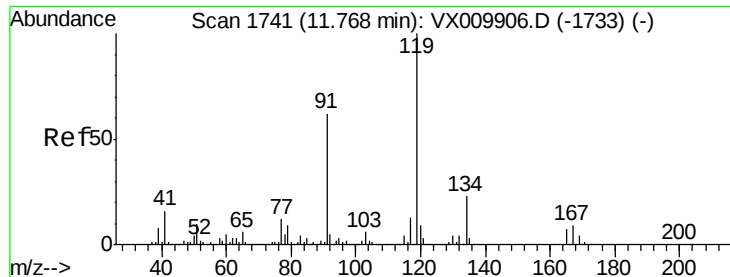
126 28.9 14.2 42.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

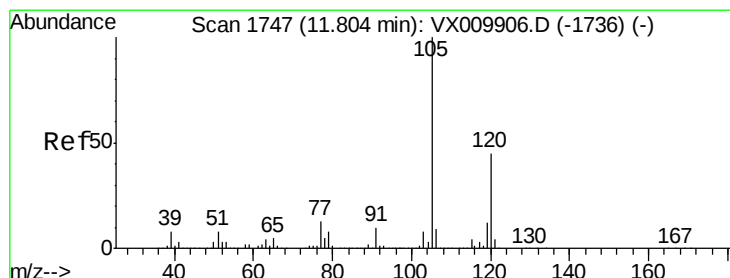
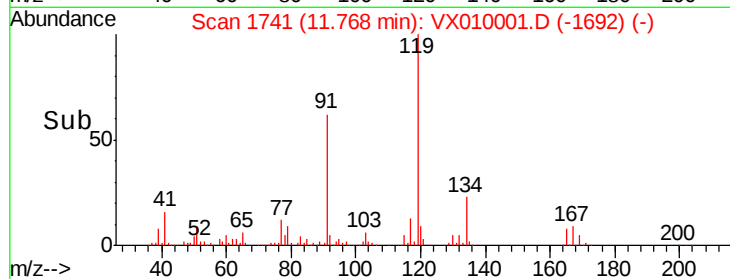
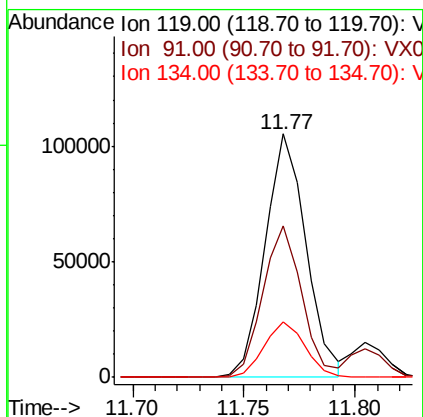
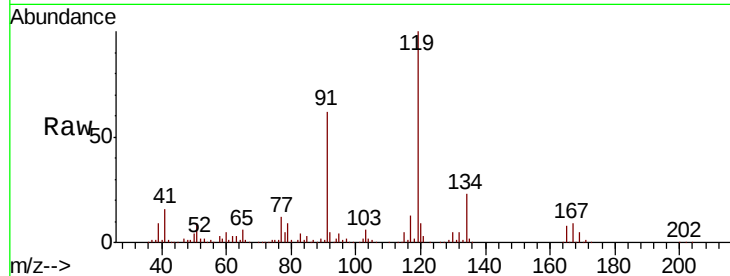




#83
tert-Butylbenzene
Concen: 19.616 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

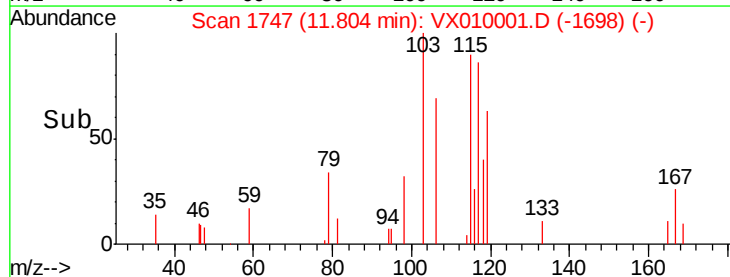
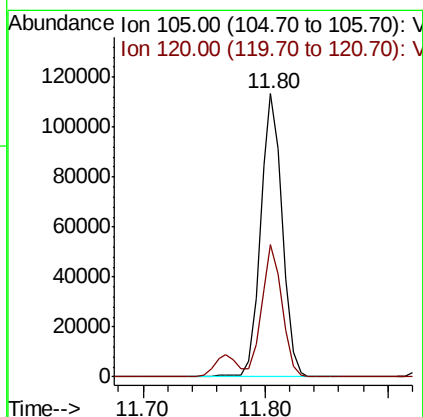
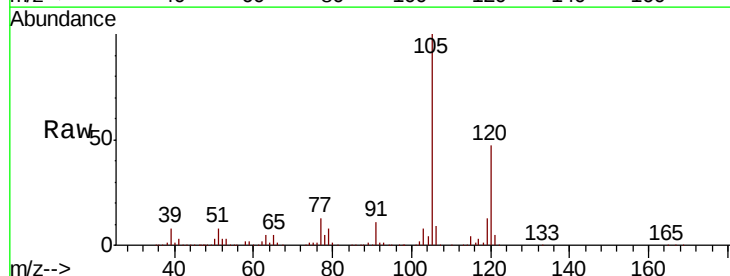
Instrument :
MSVOA_X
ClientSampled :
VX0531WBS02

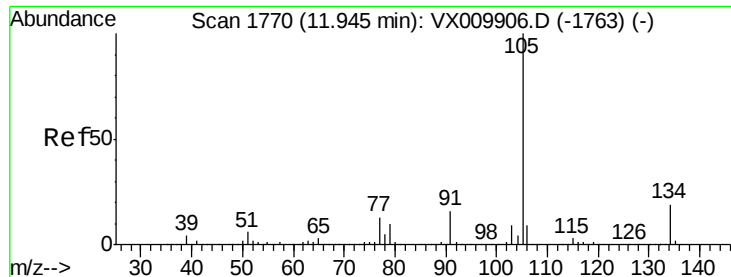
Tot Ion:119 Resp: 134203
Ion Ratio Lower Upper
119 100
91 59.8 30.0 90.0
134 22.7 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 19.251 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Tgt Ion:105 Resp: 139808
Ion Ratio Lower Upper
105 100
120 44.6 22.1 66.1





#85

sec-Butylbenzene

Concen: 19.790 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Instrument :

MSVOA_X

ClientSampled :

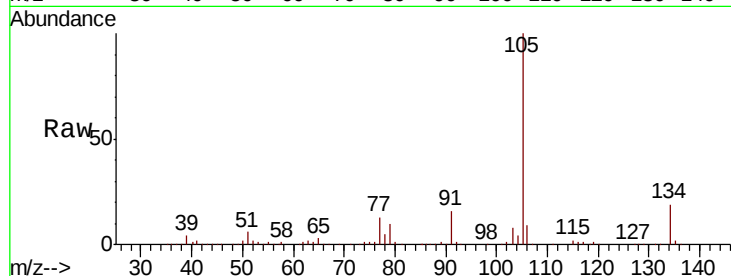
VX0531WBS02

Tot Ion:105 Resp: 161073

Ion Ratio Lower Upper

105 100

134 19.4 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

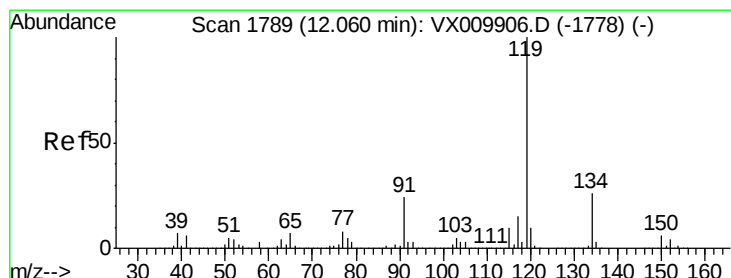
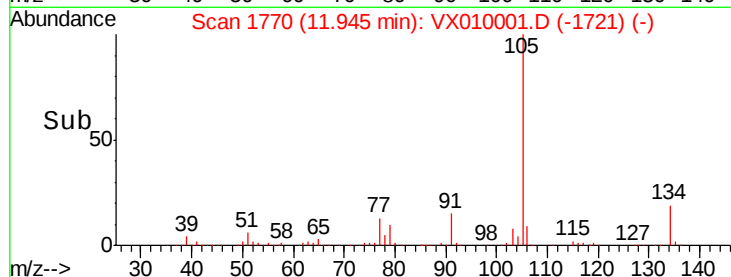
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.779 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

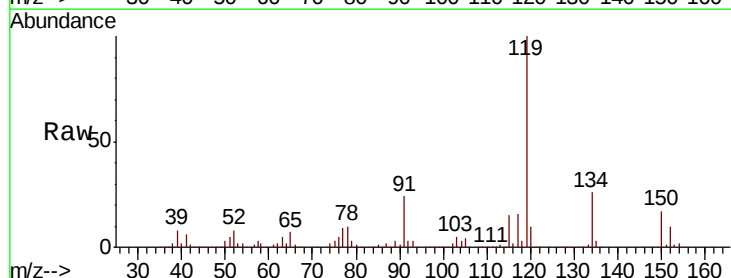
Tgt Ion:119 Resp: 144800

Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.6

91 24.2 11.9 35.9



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

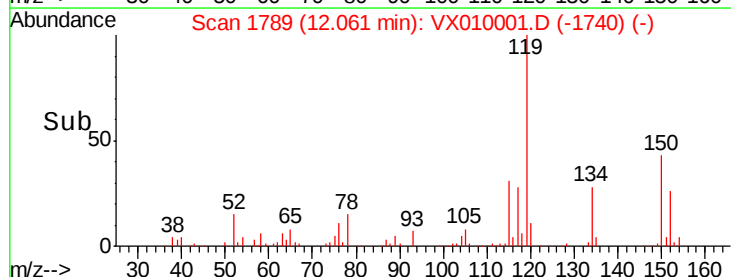
150000

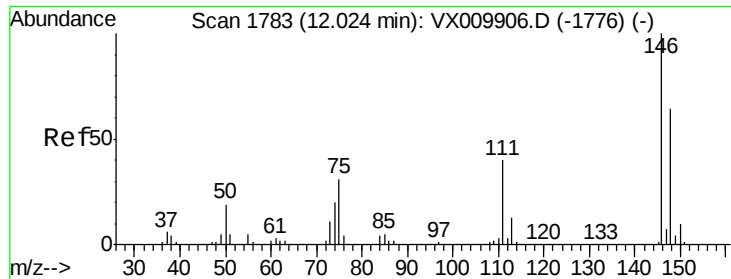
100000

50000

0

Time-->

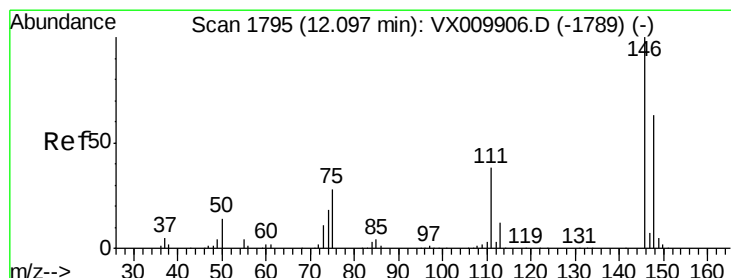
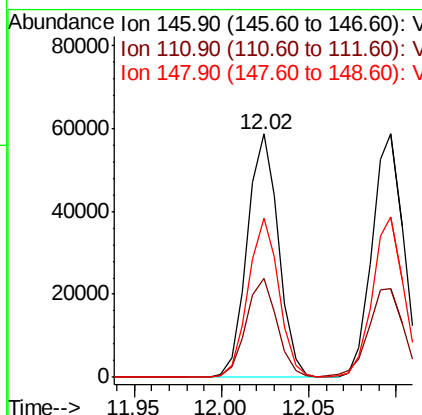
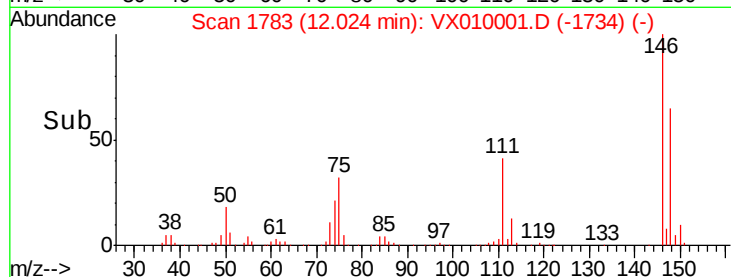
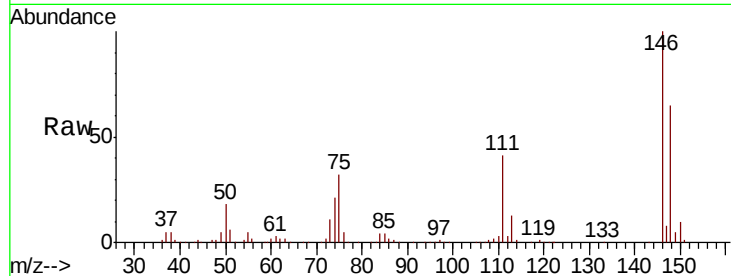




#87
 1,3-Dichlorobenzene
 Concen: 18.899 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010001.D
 Acq: 31 May 2019 22:37

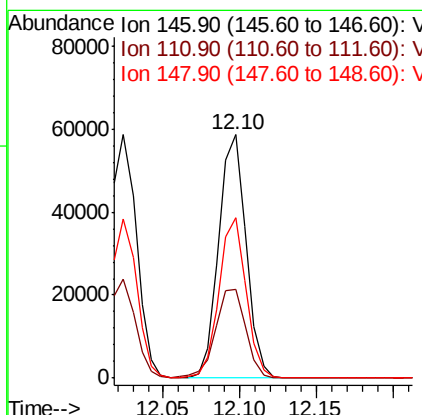
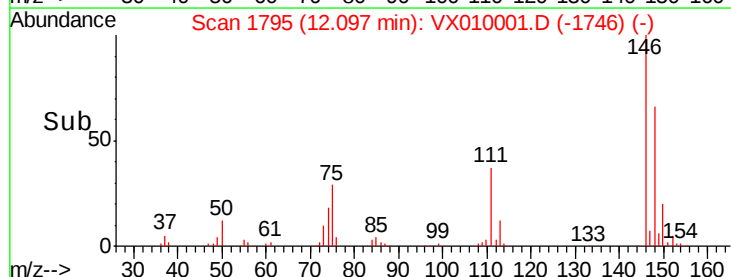
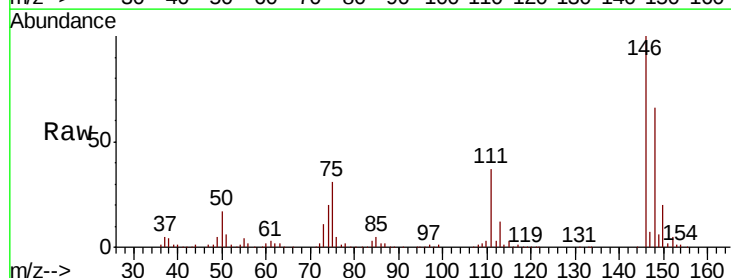
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0531WBS02

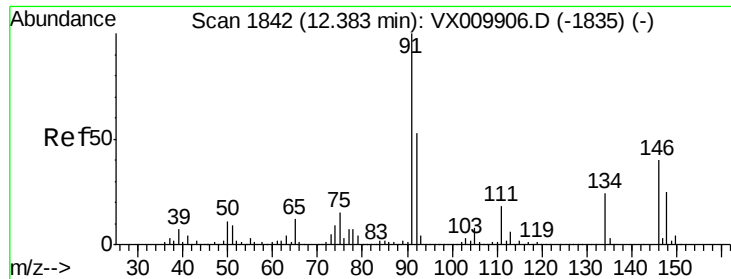
Tot Ion:146 Resp: 72782
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.1 60.2
 148 64.0 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 18.626 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010001.D
 Acq: 31 May 2019 22:37

Tgt Ion:146 Resp: 73155
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.0 59.9
 148 65.2 32.3 96.9





#89

n-Butylbenzene

Concen: 18.712 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX010001.D

Acq: 31 May 2019 22:37

Instrument :

MSVOA_X

ClientSampled :

VX0531WBS02

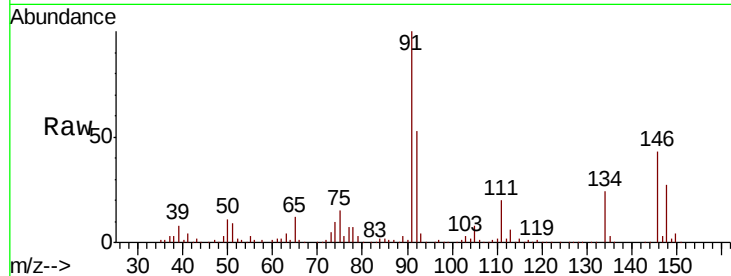
Tot Ion: 91 Resp: 128736

Ion Ratio Lower Upper

91 100

92 52.3 26.3 78.8

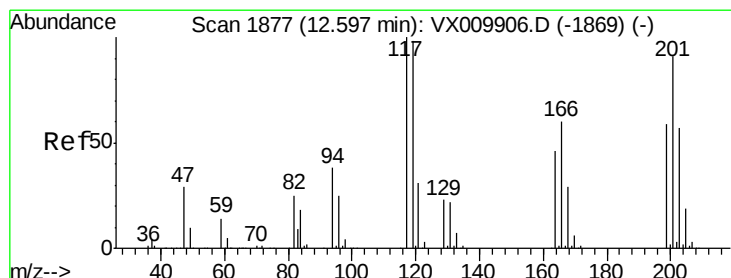
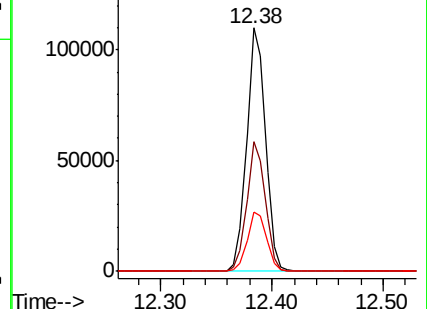
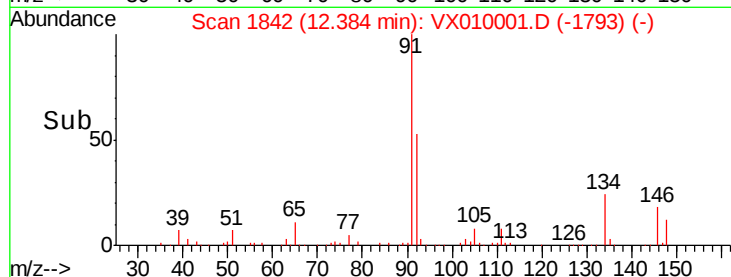
134 24.9 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 19.619 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. -0.01 min

Lab File: VX010001.D

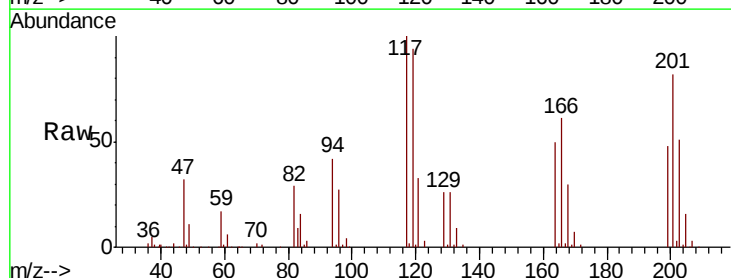
Acq: 31 May 2019 22:37

Tgt Ion: 117 Resp: 24648

Ion Ratio Lower Upper

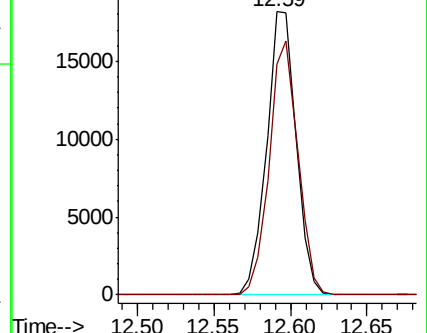
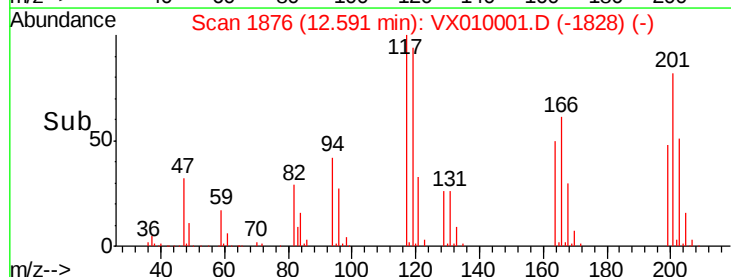
117 100

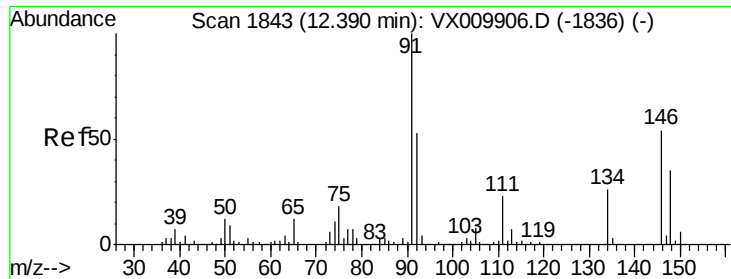
201 87.3 43.6 130.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

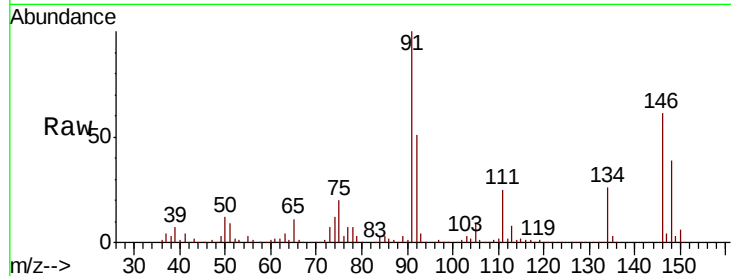




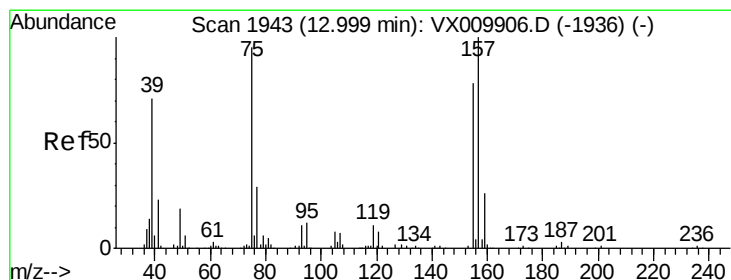
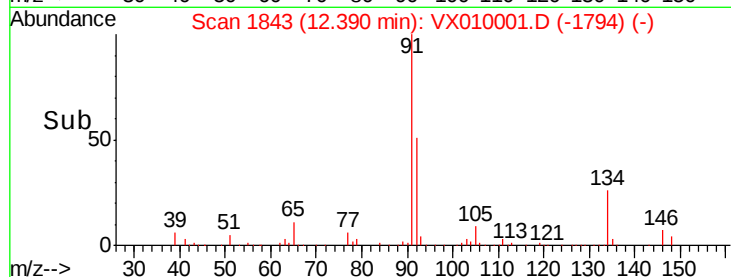
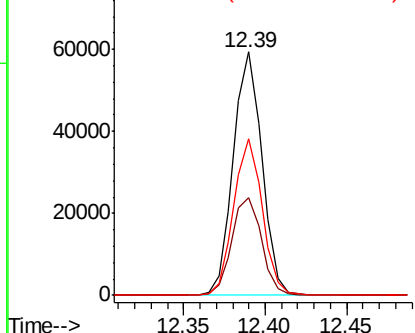
#91
 1,2-Dichlorobenzene
 Concen: 19.237 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010001.D
 Acq: 31 May 2019 22:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0531WBS02

Tot Ion:146 Resp: 73041
 Ion Ratio Lower Upper
 146 100
 111 41.7 21.1 63.1
 148 64.2 32.3 96.8

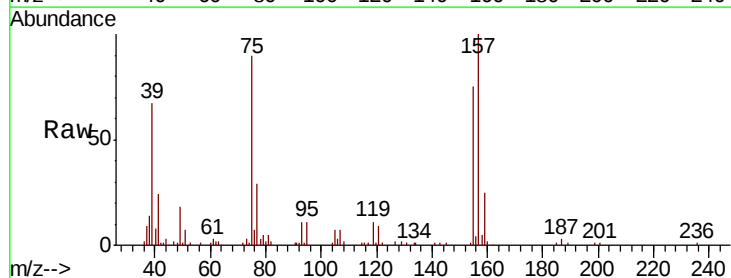


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

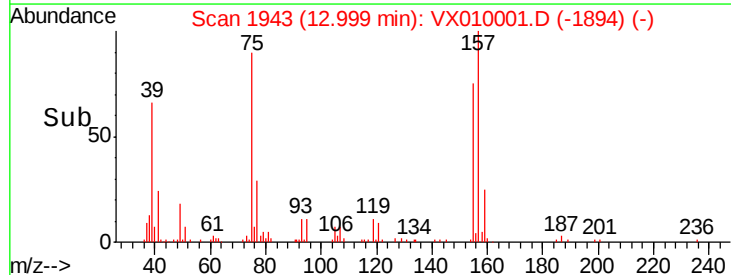
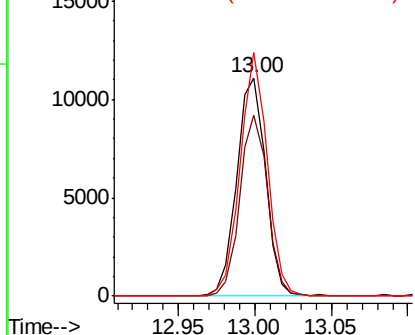


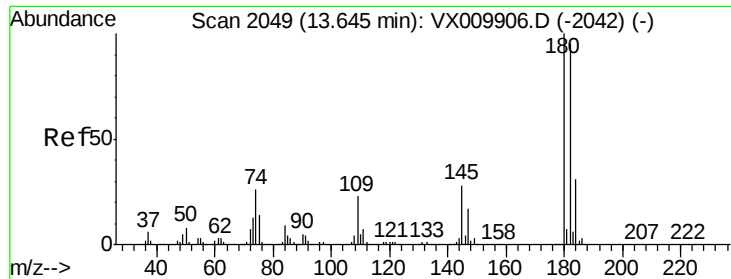
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.462 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010001.D
 Acq: 31 May 2019 22:37

Tgt Ion: 75 Resp: 14507
 Ion Ratio Lower Upper
 75 100
 155 79.4 39.3 117.8
 157 104.6 50.6 151.8



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

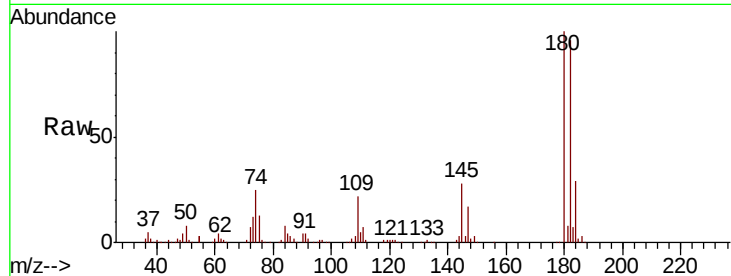




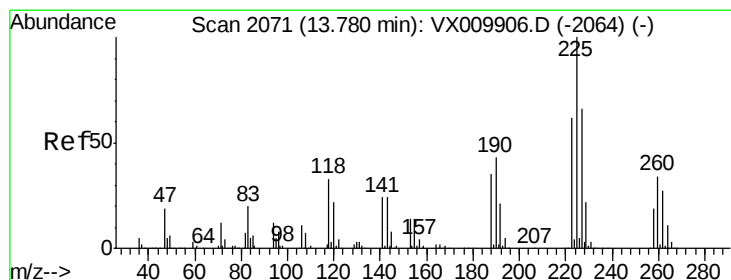
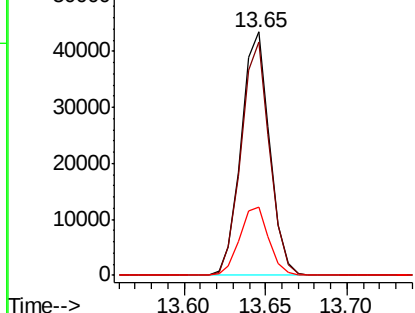
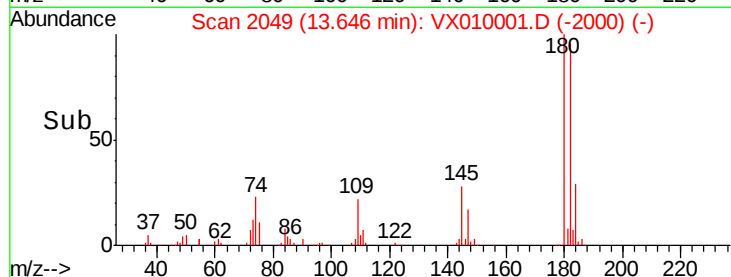
#93
 1,2,4-Trichlorobenzene
 Concen: 19.543 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010001.D
 Acq: 31 May 2019 22:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0531WBS02

Tot Ion:180 Resp: 53027
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.4 142.2
 145 28.7 14.5 43.5

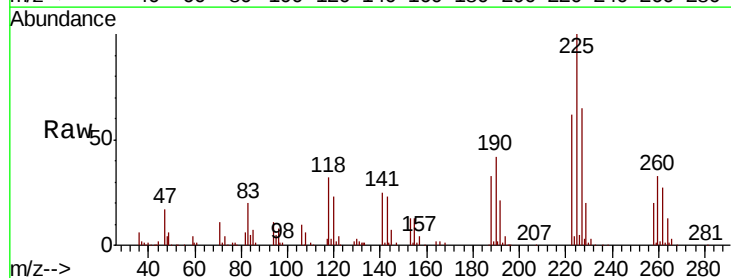


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

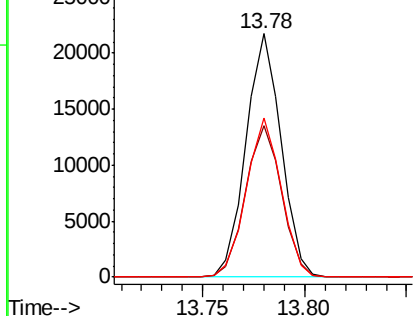
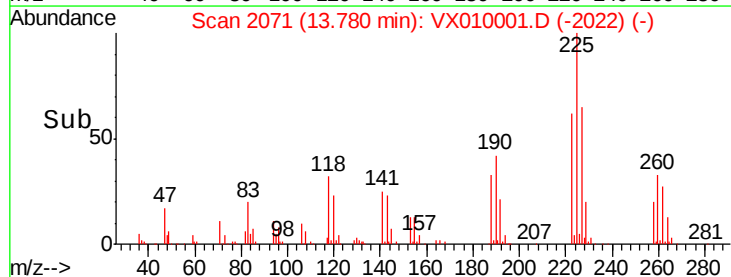


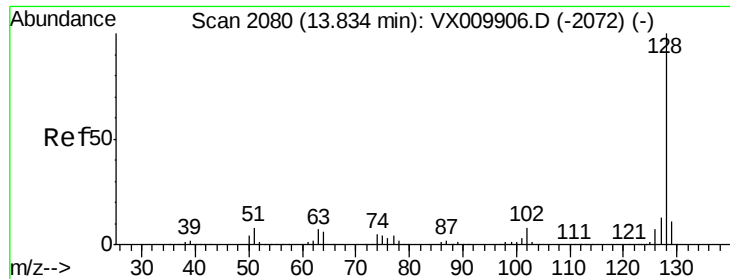
#94
 Hexachlorobutadiene
 Concen: 19.160 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010001.D
 Acq: 31 May 2019 22:37

Tgt Ion:225 Resp: 26076
 Ion Ratio Lower Upper
 225 100
 223 64.0 31.3 93.8
 227 65.0 32.3 96.8



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

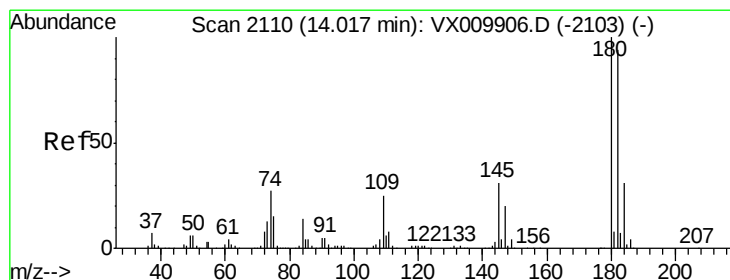
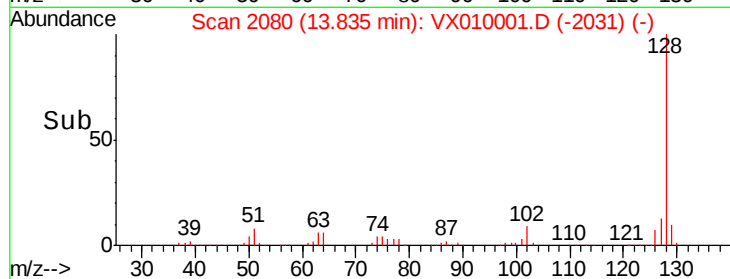
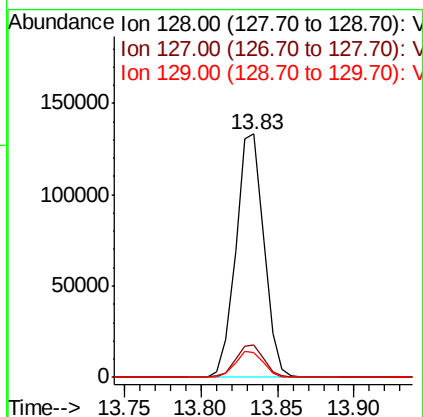
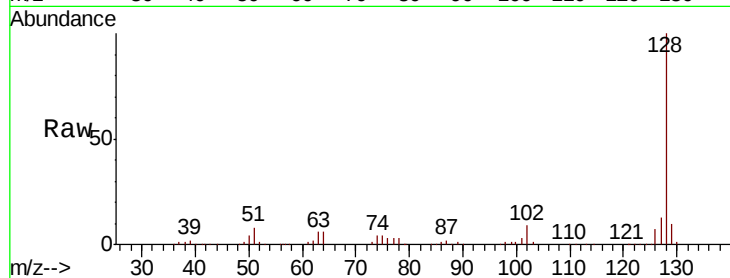




#95
Naphthalene
Concen: 20.043 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Instrument :
MSVOA_X
ClientSampleId :
VX0531WBS02

Tot Ion:128 Resp: 169244
Ion Ratio Lower Upper
128 100
127 13.4 10.6 16.0
129 10.7 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 19.423 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX010001.D
Acq: 31 May 2019 22:37

Tgt Ion:180 Resp: 52755
Ion Ratio Lower Upper
180 100
182 96.1 47.3 142.0
145 31.4 15.6 46.7

