

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051119\
 Data File : VX009517.D
 Acq On : 11 May 2019 12:01
 Operator : JC/SP
 Sample : VN0511WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511WBS01

Quant Time: May 12 01:57:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	168583	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	267893	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	238750	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	118145	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	113932	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	
35) Dibromofluoromethane	5.50	113	84563	50.21	ug/l	0.00
Spiked Amount			Recovery	=	100.42%	
50) Toluene-d8	8.71	98	336920	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
62) 4-Bromofluorobenzene	11.13	95	121269	49.09	ug/l	0.00
Spiked Amount			Recovery	=	98.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	28933	18.624	ug/l	99
3) Chloromethane	1.32	50	42730	20.147	ug/l	98
4) Vinyl Chloride	1.40	62	43196	20.886	ug/l	97
5) Bromomethane	1.64	94	26338	21.217	ug/l	98
6) Chloroethane	1.72	64	26486	19.946	ug/l	96
7) Trichlorofluoromethane	1.93	101	53238	21.177	ug/l	100
8) Diethyl Ether	2.18	74	24350	20.448	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	32767	20.755	ug/l	99
10) Methyl Iodide	2.51	142	34941	21.892	ug/l	100
11) Tert butyl alcohol	3.04	59	55384	103.967	ug/l	99
12) 1,1-Dichloroethene	2.37	96	33080	20.913	ug/l	96
13) Acrolein	2.29	56	42331	87.744	ug/l	100
14) Allyl chloride	2.73	41	78856	20.456	ug/l	99
15) Acrylonitrile	3.14	53	134699	103.415	ug/l	100
16) Acetone	2.44	43	130752	105.809	ug/l	98
17) Carbon Disulfide	2.57	76	92886	20.916	ug/l	99
18) Methyl Acetate	2.78	43	57284	19.492	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	127680	20.786	ug/l	99
20) Methylene Chloride	2.85	84	40714	20.348	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	36020	20.997	ug/l	98
22) Diisopropyl ether	3.85	45	155169	20.931	ug/l	98
23) Vinyl Acetate	3.81	43	687453	108.293	ug/l	98
24) 1,1-Dichloroethane	3.70	63	75295	20.589	ug/l	100
25) 2-Butanone	4.67	43	204850	106.676	ug/l	99
26) 2,2-Dichloropropane	4.58	77	55786	20.494	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	42642	20.825	ug/l	99
28) Bromochloromethane	5.01	49	29200	18.085	ug/l	99
29) Tetrahydrofuran	5.13	42	131194	106.169	ug/l	100
30) Chloroform	5.21	83	69996	21.162	ug/l	99
31) Cyclohexane	5.58	56	72772	21.388	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	58150	21.119	ug/l	98
36) 1,1-Dichloropropene	5.80	75	52048	20.906	ug/l	98
37) Ethyl Acetate	4.83	43	76684	22.107	ug/l	100
38) Carbon Tetrachloride	5.79	117	47768	21.118	ug/l	97

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Quant Time: May 12 01:57:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	64691	21.159	ug/l	96
40) Benzene	6.14	78	163245	21.187	ug/l	100
41) Methacrylonitrile	5.04	41	42472	20.569	ug/l	99
42) 1,2-Dichloroethane	6.19	62	59784	21.631	ug/l	100
43) Isopropyl Acetate	6.44	43	116997	21.087	ug/l	99
44) Trichloroethene	7.21	130	38586	20.716	ug/l	99
45) 1,2-Dichloropropane	7.51	63	46141	21.149	ug/l	99
46) Dibromomethane	7.66	93	26197	20.678	ug/l	97
47) Bromodichloromethane	7.90	83	52611	20.818	ug/l	99
48) Methyl methacrylate	7.77	41	60341	21.921	ug/l	97
49) 1,4-Dioxane	7.74	88	23574	422.291	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	389958	107.529	ug/l	99
52) Toluene	8.78	92	99298	21.202	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	60200	21.099	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	67218	21.285	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	40306	21.094	ug/l	96
56) Ethyl methacrylate	9.18	69	72517	21.261	ug/l	99
57) 1,3-Dichloropropane	9.37	76	70679	21.020	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	175820	97.170	ug/l	100
59) 2-Hexanone	9.49	43	301947	106.012	ug/l	99
60) Dibromochloromethane	9.58	129	39111	20.958	ug/l	99
61) 1,2-Dibromoethane	9.67	107	40658	21.080	ug/l	99
64) Tetrachloroethene	9.34	164	36396	22.224	ug/l	96
65) Chlorobenzene	10.13	112	101684	21.290	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	36492	21.075	ug/l	99
67) Ethyl Benzene	10.25	91	189084	21.512	ug/l	99
68) m/p-Xylenes	10.36	106	140125	43.625	ug/l	98
69) o-Xylene	10.69	106	67925	21.433	ug/l	100
70) Styrene	10.71	104	119818	21.752	ug/l	100
71) Bromoform	10.85	173	29103	20.683	ug/l #	100
73) Isopropylbenzene	11.02	105	183177	21.321	ug/l	99
74) N-amyl acetate	10.90	43	104636	20.890	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	66019	20.613	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	76428	27.888	ug/l	82
77) Bromobenzene	11.26	156	44682	20.954	ug/l	99
78) n-propylbenzene	11.36	91	207502	21.148	ug/l	99
79) 2-Chlorotoluene	11.42	91	123181	20.349	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	153676	21.244	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	21392	19.972	ug/l	96
82) 4-Chlorotoluene	11.51	91	143814	21.030	ug/l	99
83) tert-Butylbenzene	11.77	119	148707	21.132	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	155039	21.352	ug/l	99
85) sec-Butylbenzene	11.94	105	174913	20.965	ug/l	99
86) p-Isopropyltoluene	12.06	119	159625	21.282	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	78694	20.701	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	79346	20.703	ug/l	99
89) n-Butylbenzene	12.38	91	141482	20.870	ug/l	100
90) Hexachloroethane	12.59	117	25838	20.220	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	79859	20.625	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15276	21.262	ug/l	98

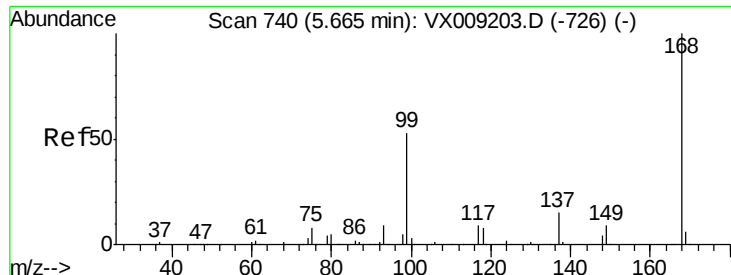
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051119\
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Instrument :
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ClientSampleId :
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Quant Time: May 12 01:57:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	55721	21.045	ug/l	99
94) Hexachlorobutadiene	13.78	225	28266	20.905	ug/l	98
95) Naphthalene	13.83	128	183091	21.254	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	57989	21.606	ug/l	100

(#) = 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: VX009517.D

Acq: 11 May 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

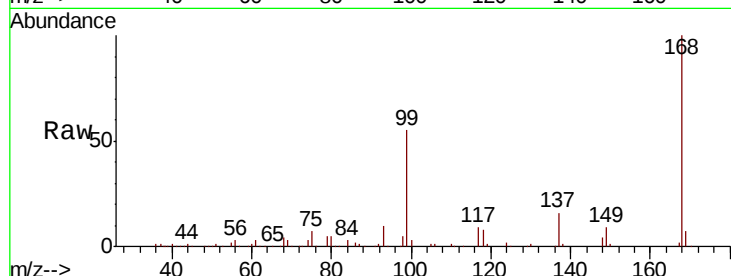
VX0511WBS01

Tot Ion:168 Resp: 168583

Ion Ratio Lower Upper

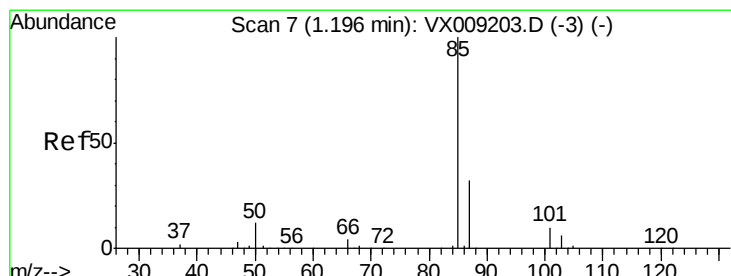
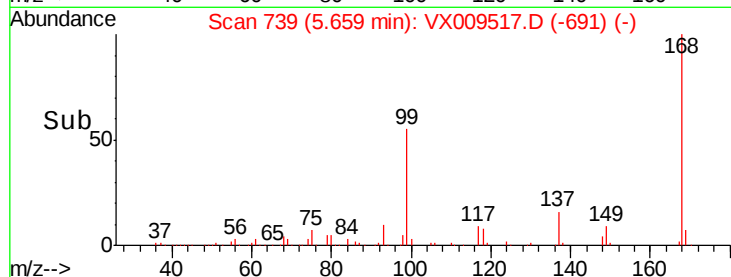
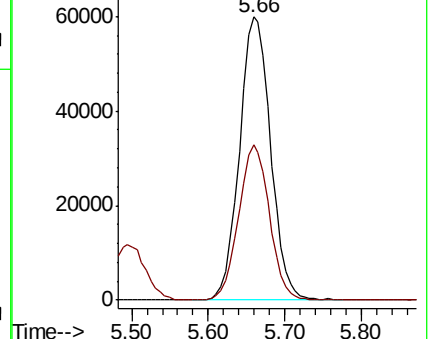
168 100

99 54.7 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 18.624 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009517.D

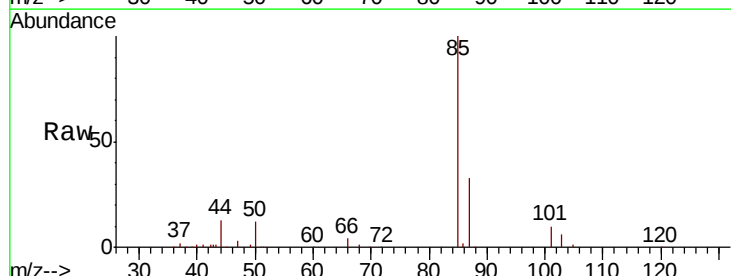
Acq: 11 May 2019 12:01

Tgt Ion: 85 Resp: 28933

Ion Ratio Lower Upper

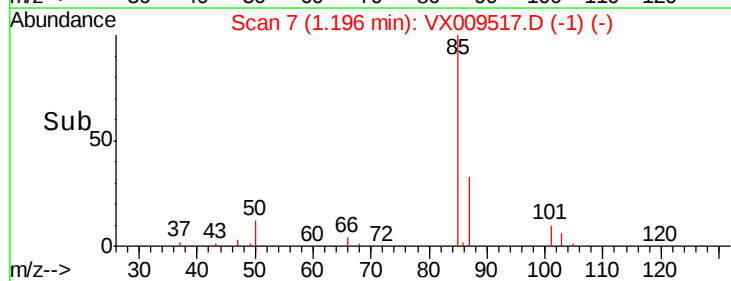
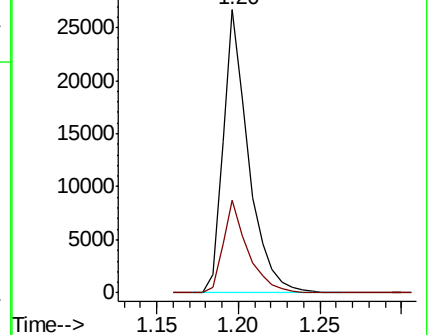
85 100

87 32.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 20.147 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

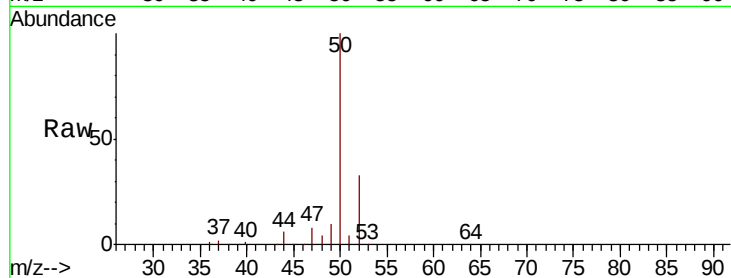
VX0511WBS01

Tot Ion: 50 Resp: 42730

Ion Ratio Lower Upper

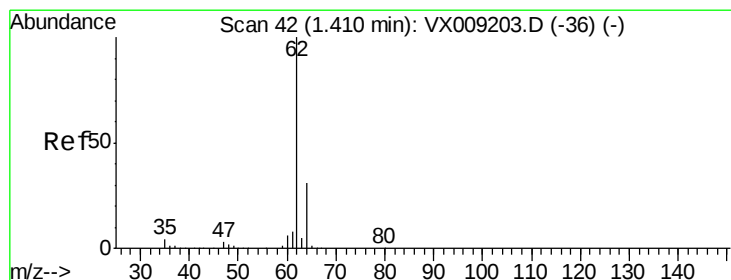
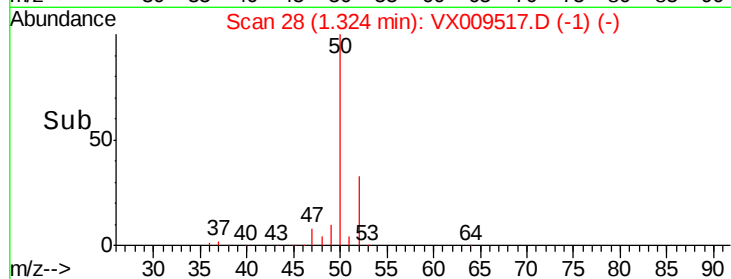
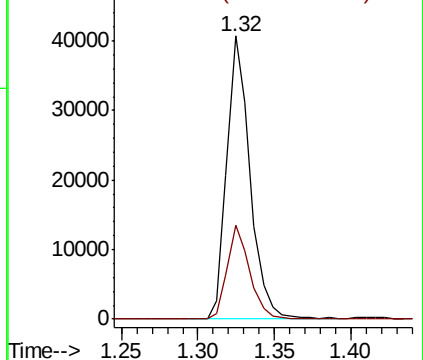
50 100

52 33.3 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.886 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009517.D

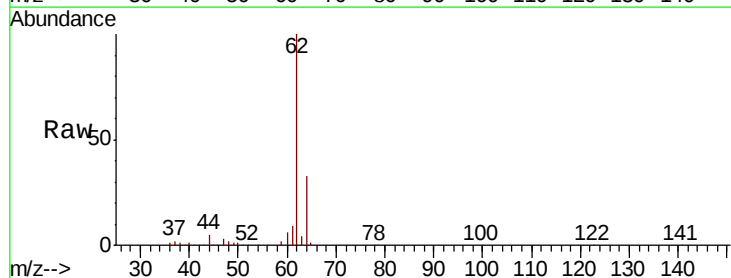
Acq: 11 May 2019 12:01

Tgt Ion: 62 Resp: 43196

Ion Ratio Lower Upper

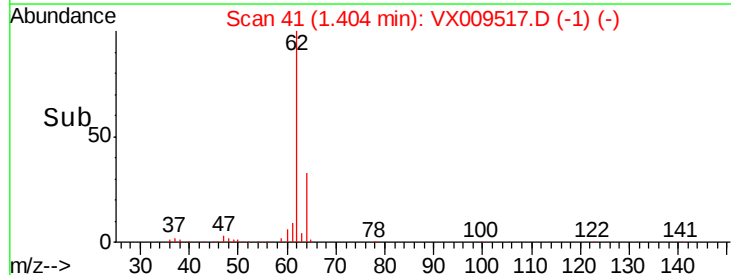
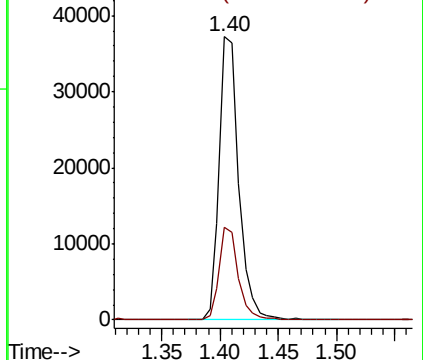
62 100

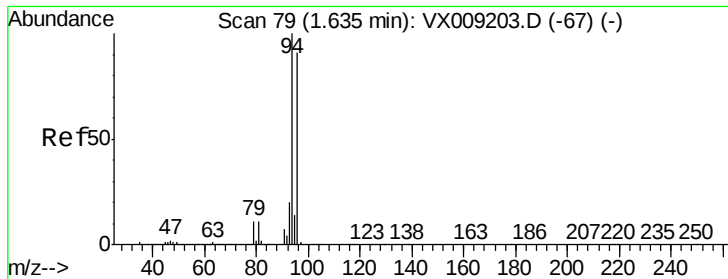
64 32.6 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 21.217 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

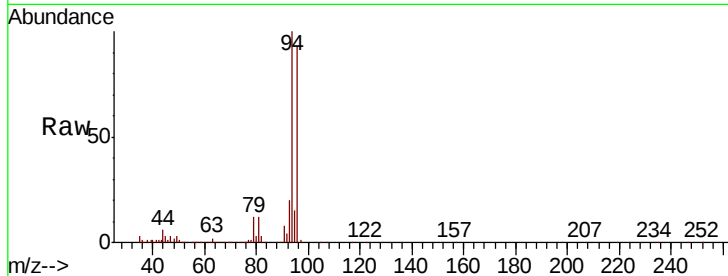
VX0511WBS01

Tot Ion: 94 Resp: 26338

Ion Ratio Lower Upper

94 100

96 93.4 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

30000

25000

20000

15000

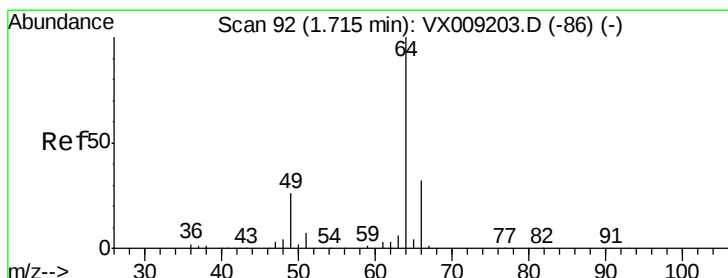
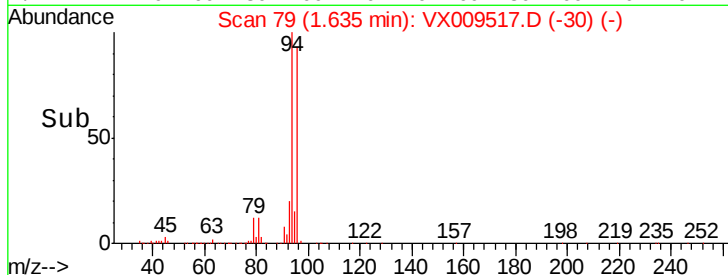
10000

5000

0

Time-->

1.60 1.65 1.70 1.75



#6

Chloroethane

Concen: 19.946 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009517.D

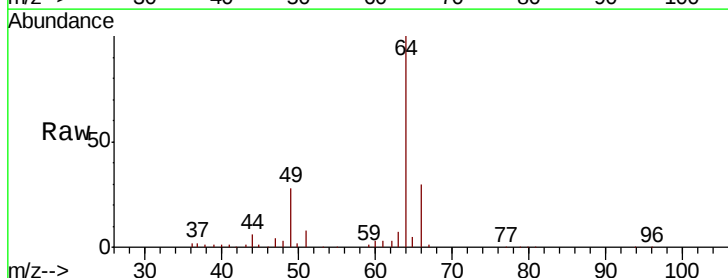
Acq: 11 May 2019 12:01

Tgt Ion: 64 Resp: 26486

Ion Ratio Lower Upper

64 100

66 29.6 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

20000

15000

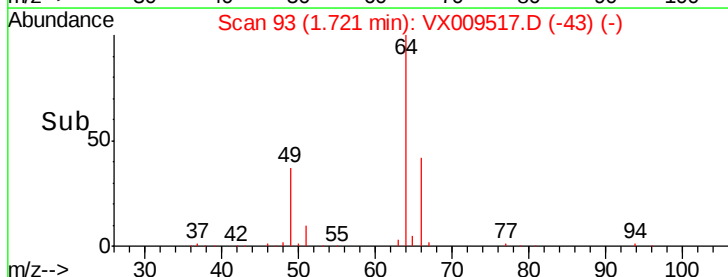
10000

5000

0

Time-->

1.65 1.70 1.75 1.80



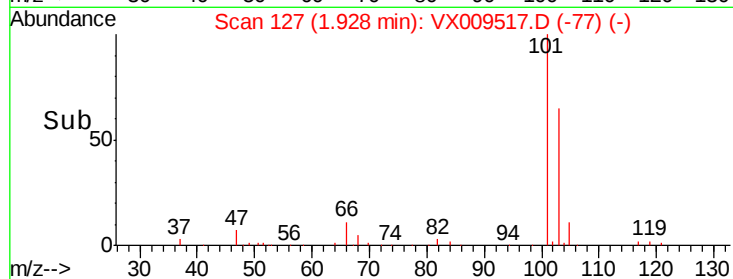
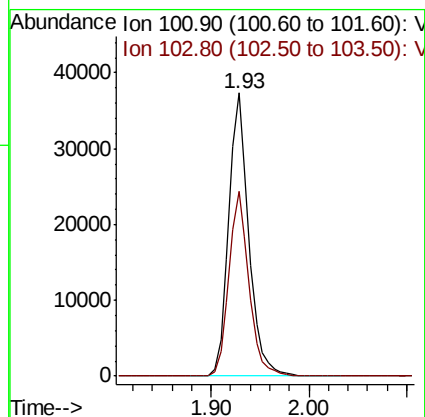
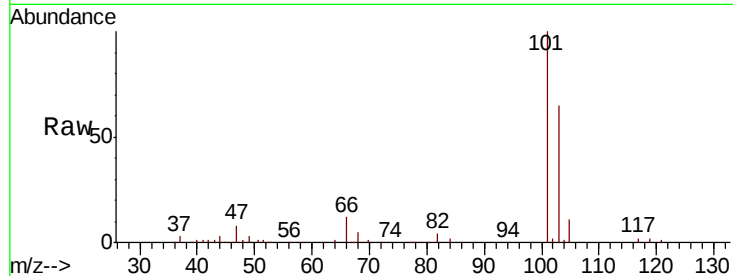


#7

Trichlorofluoromethane
 Concen: 21.177 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX009517.D
 Acq: 11 May 2019 12:01

Instrument :
 MSVOA_X
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 VX0511WBS01

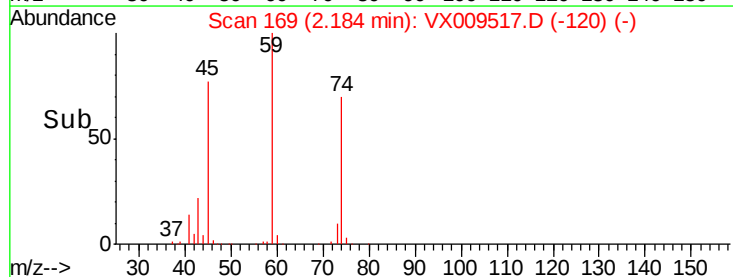
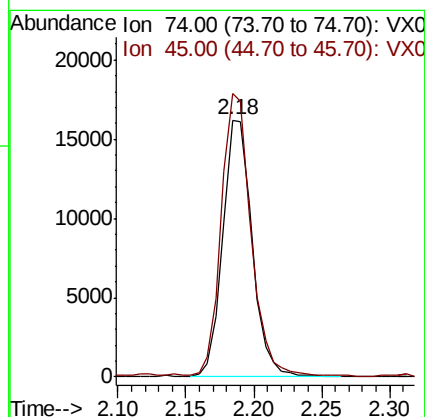
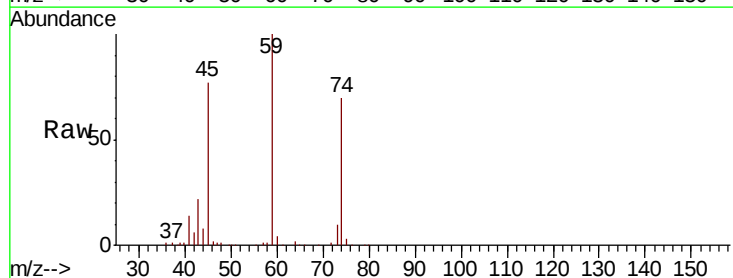
Tot Ion:101 Resp: 53238
 Ion Ratio Lower Upper
 101 100
 103 65.4 52.4 78.6



#8

Diethyl Ether
 Concen: 20.448 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX009517.D
 Acq: 11 May 2019 12:01

Tgt Ion: 74 Resp: 24350
 Ion Ratio Lower Upper
 74 100
 45 113.2 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.755 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

VX0511WBS01

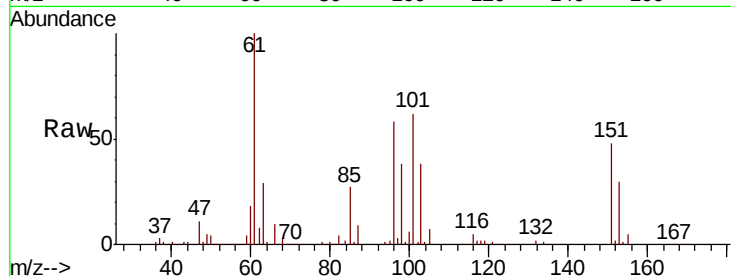
Tot Ion:101 Resp: 32767

Ion Ratio Lower Upper

101 100

85 44.5 35.7 53.5

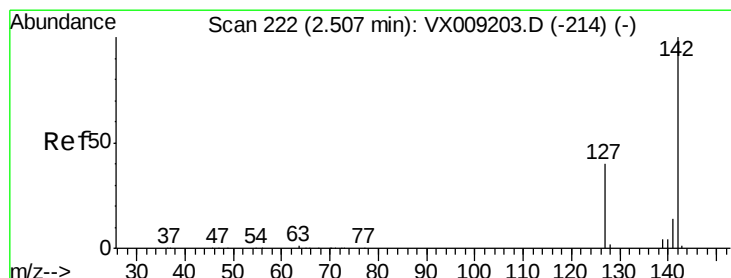
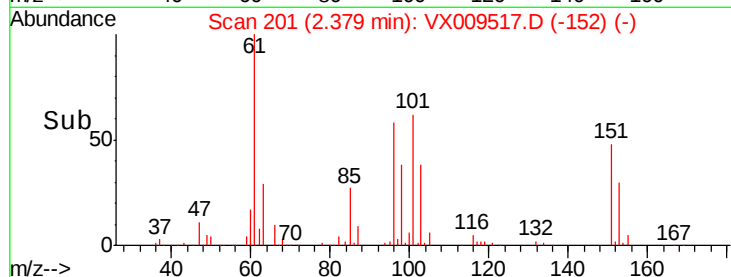
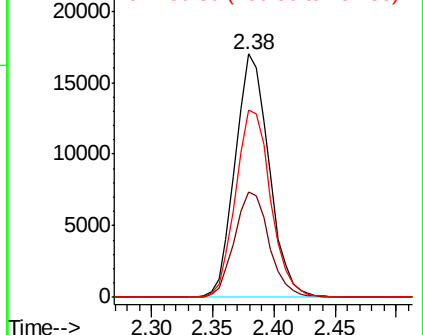
151 79.6 62.2 93.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.892 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

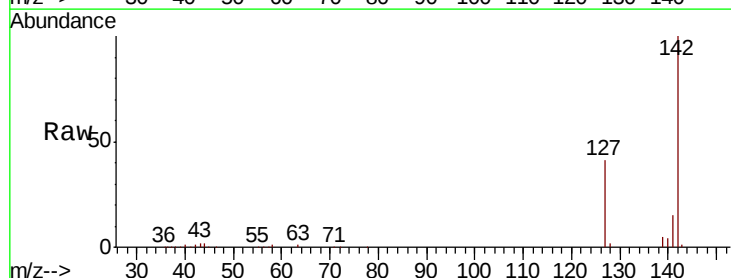
Tgt Ion:142 Resp: 34941

Ion Ratio Lower Upper

142 100

127 40.8 32.7 49.1

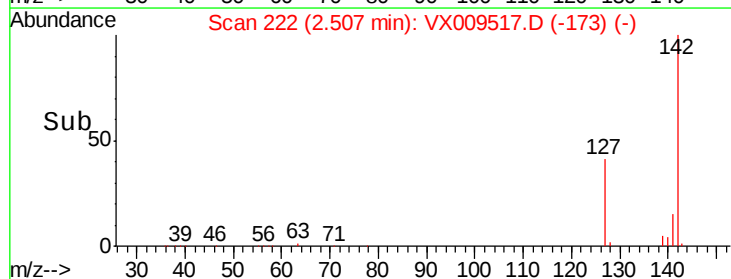
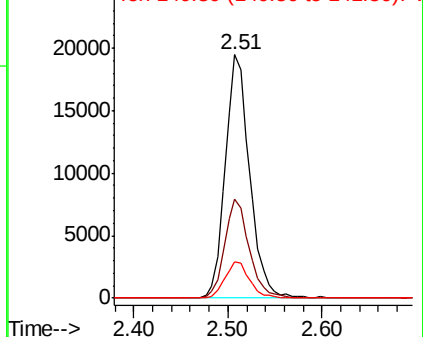
141 14.9 11.5 17.3

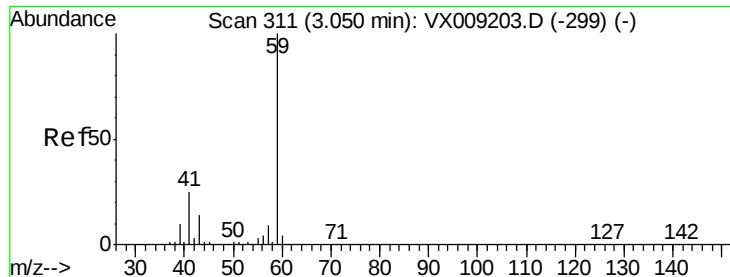


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



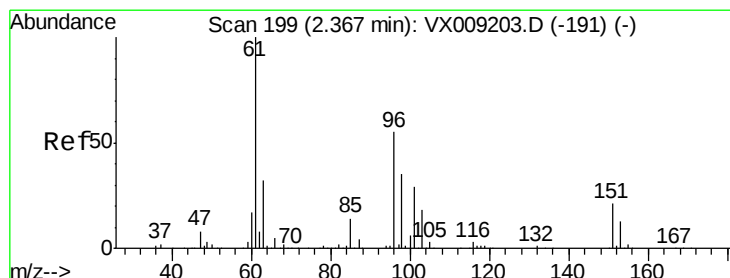
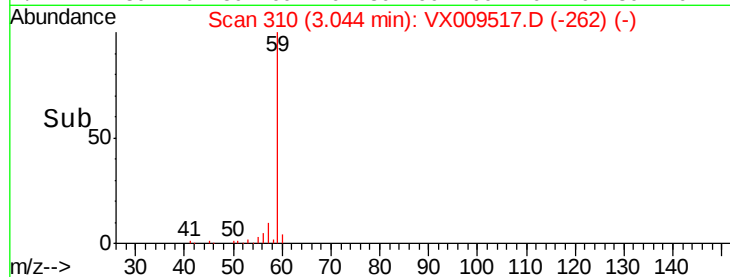
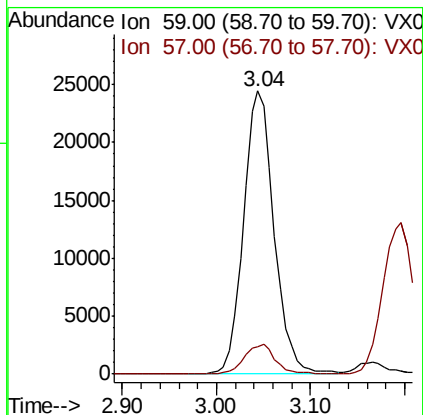
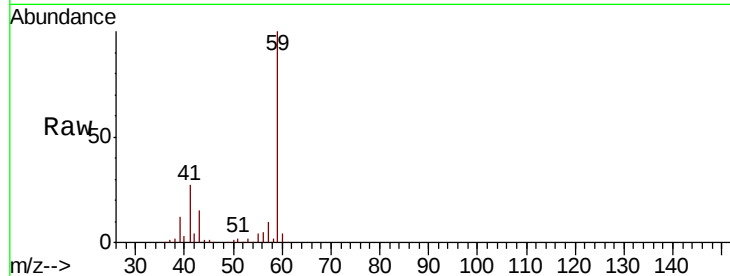


#11

Tert butyl alcohol
 Concen: 103.967 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. -0.01 min
 Lab File: VX009517.D
 Acq: 11 May 2019 12:01

Instrument :
 MSVOA_X
 ClientSampled :
 VX0511WBS01

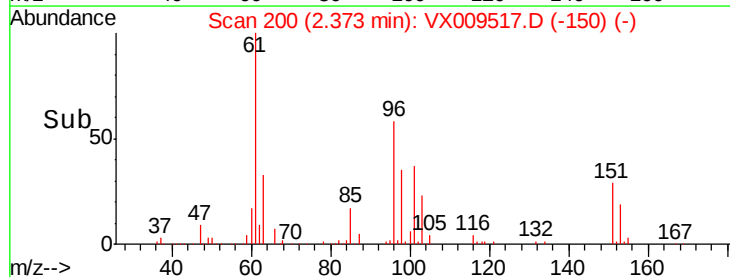
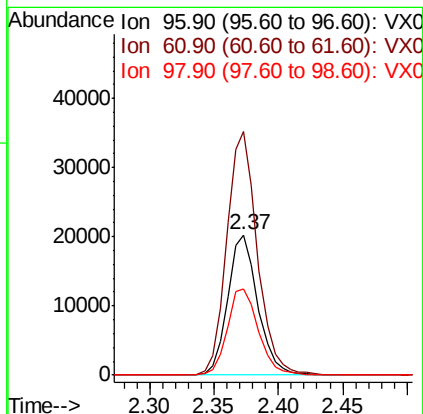
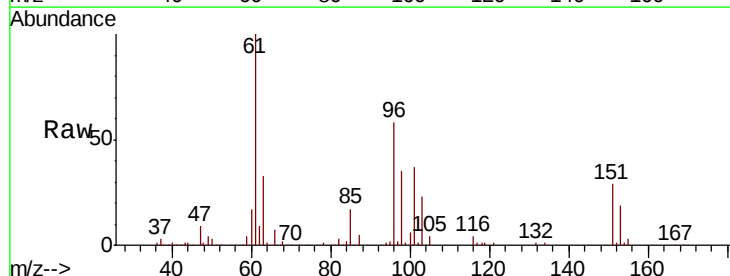
Tot Ion: 59 Resp: 55384
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.2 12.2



#12

1,1-Dichloroethene
 Concen: 20.913 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.01 min
 Lab File: VX009517.D
 Acq: 11 May 2019 12:01

Tgt Ion: 96 Resp: 33080
 Ion Ratio Lower Upper
 96 100
 61 173.8 144.3 216.5
 98 61.6 50.3 75.5





#13

Acrolein

Concen: 87.744 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

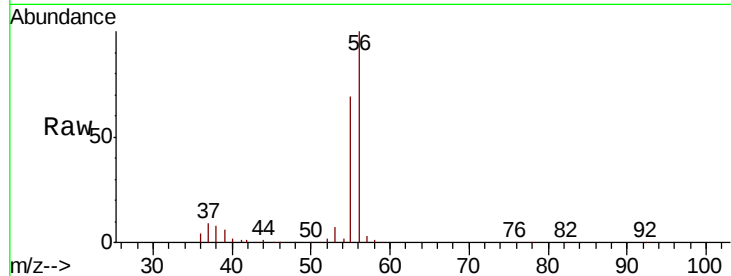
VX0511WBS01

Tot Ion: 56 Resp: 42331

Ion Ratio Lower Upper

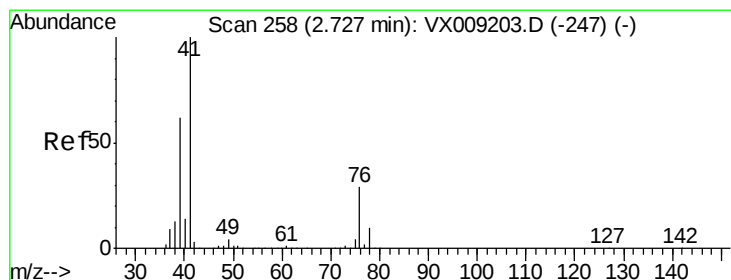
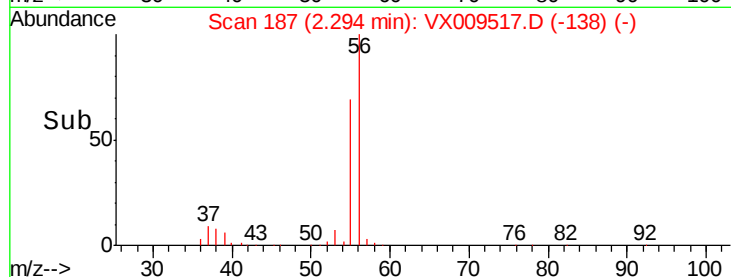
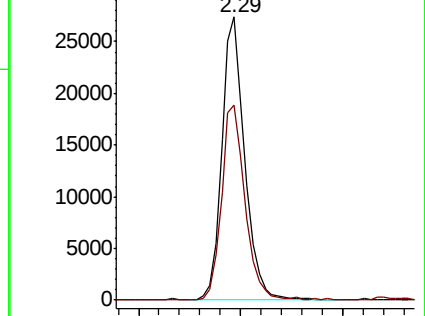
56 100

55 71.1 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 20.456 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

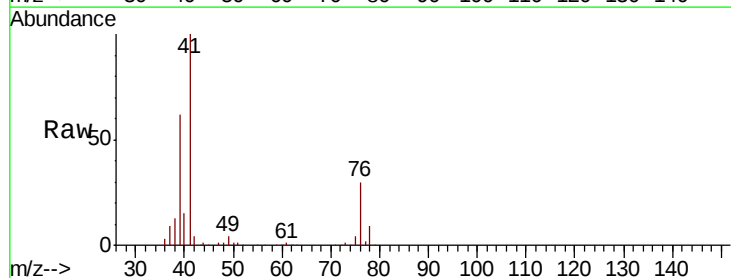
Tgt Ion: 41 Resp: 78856

Ion Ratio Lower Upper

41 100

39 58.0 46.7 70.1

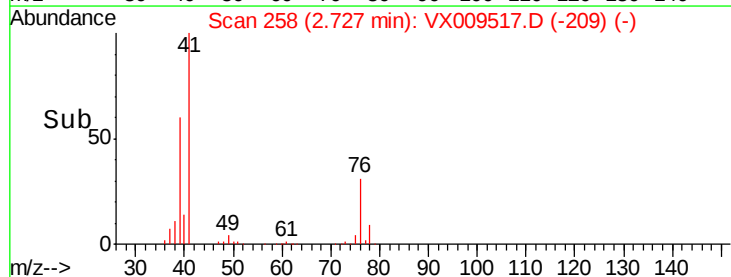
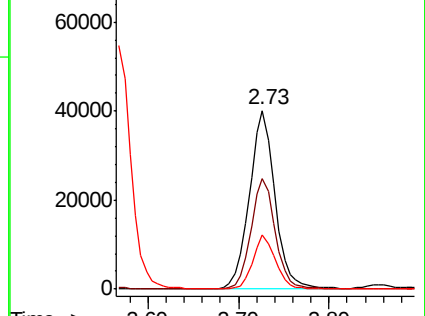
76 26.6 21.8 32.8



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 103.415 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

VX0511WBS01

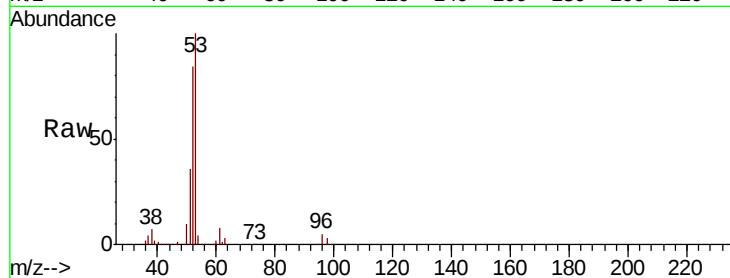
Tot Ion: 53 Resp: 134699

Ion Ratio Lower Upper

53 100

52 83.3 66.9 100.3

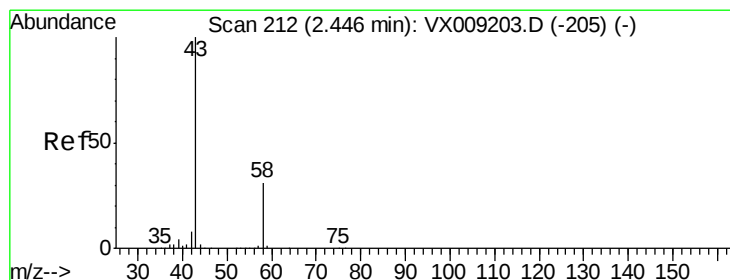
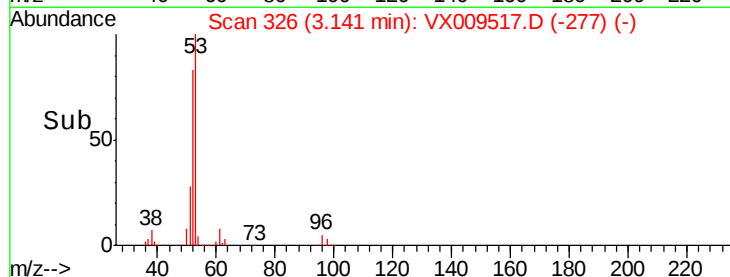
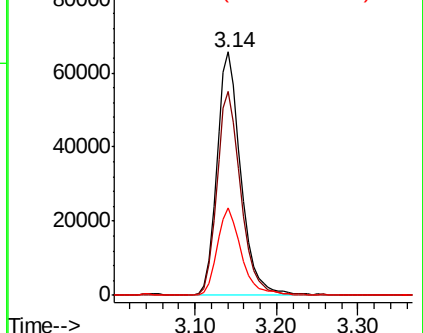
51 35.7 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 105.809 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009517.D

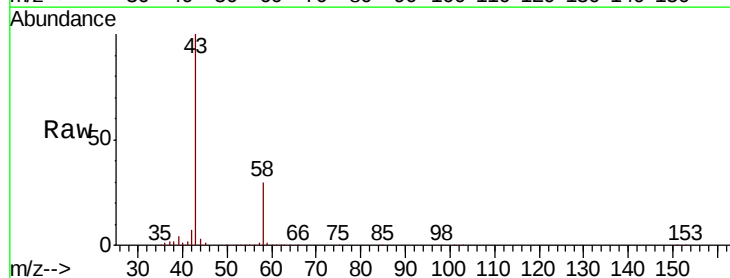
Acq: 11 May 2019 12:01

Tgt Ion: 43 Resp: 130752

Ion Ratio Lower Upper

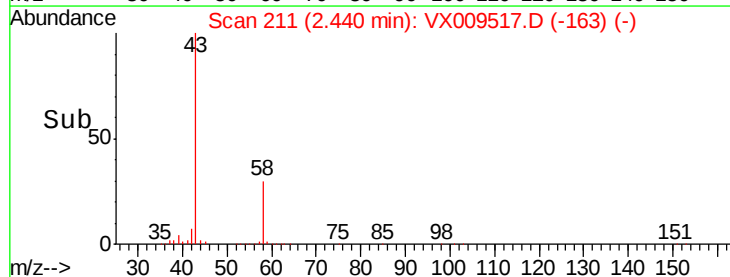
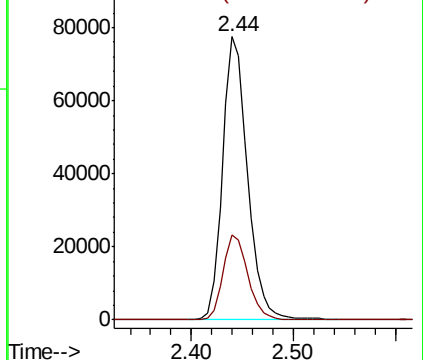
43 100

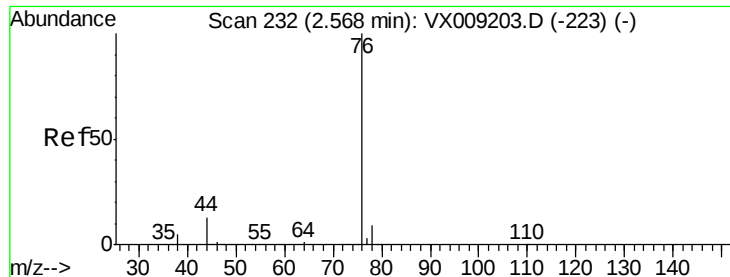
58 30.2 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

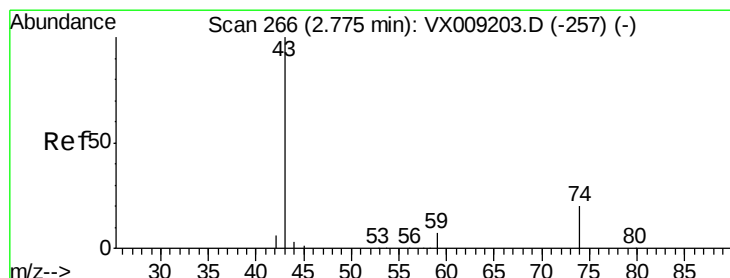
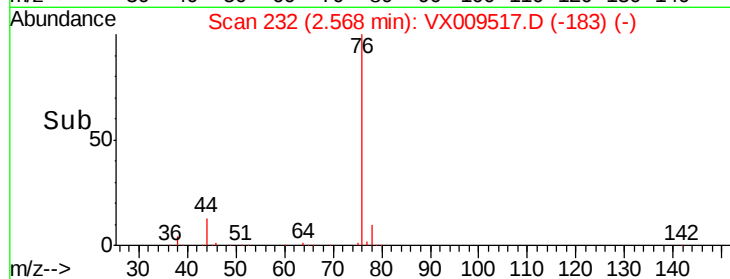
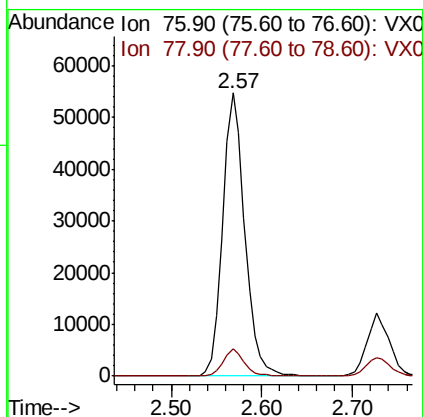
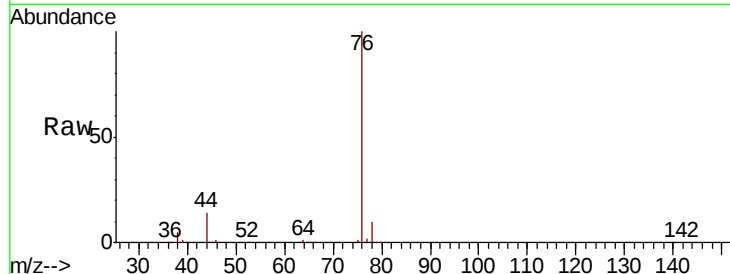




#17
Carbon Disulfide
Concen: 20.916 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

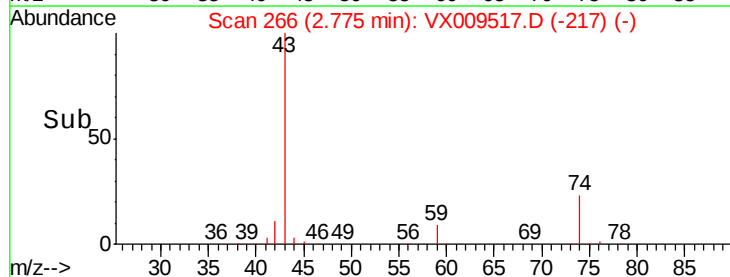
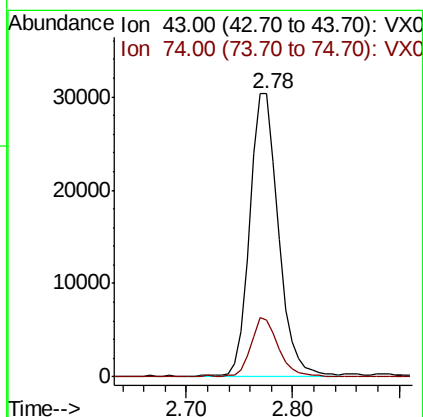
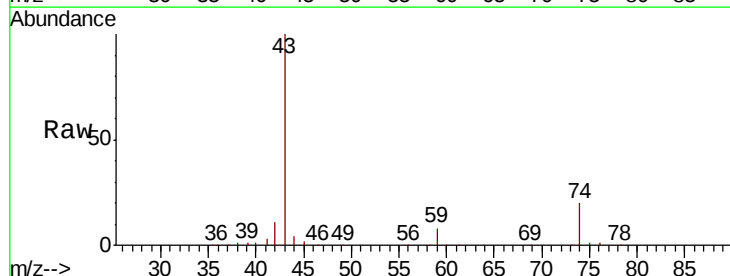
Instrument :
MSVOA_X
ClientSampleId :
VX0511WBS01

Tot Ion: 76 Resp: 92886
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.0



#18
Methyl Acetate
Concen: 19.492 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

Tgt Ion: 43 Resp: 57284
Ion Ratio Lower Upper
43 100
74 20.4 16.2 24.4

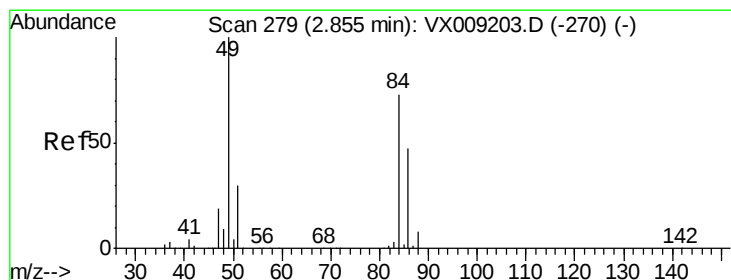
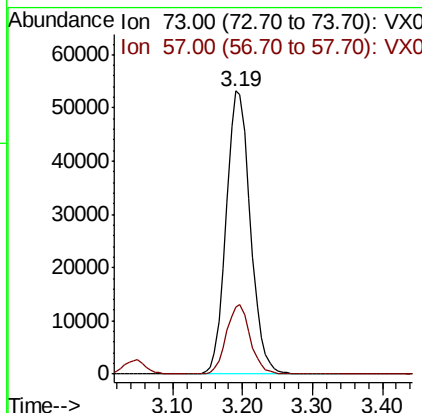
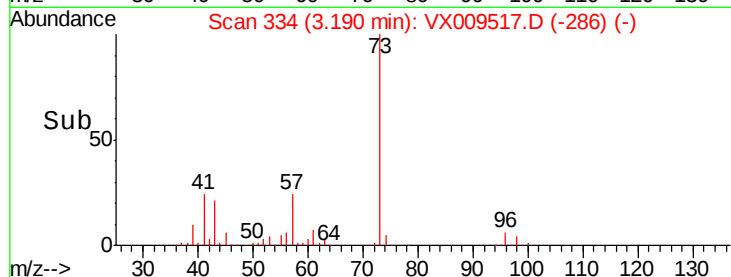
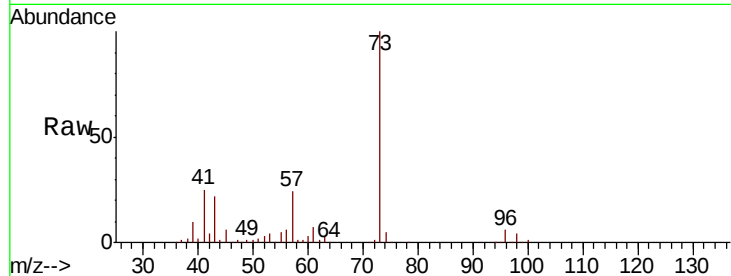




#19
Methyl tert-butyl Ether
Concen: 20.786 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

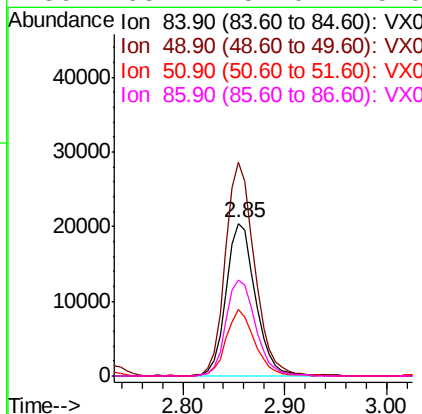
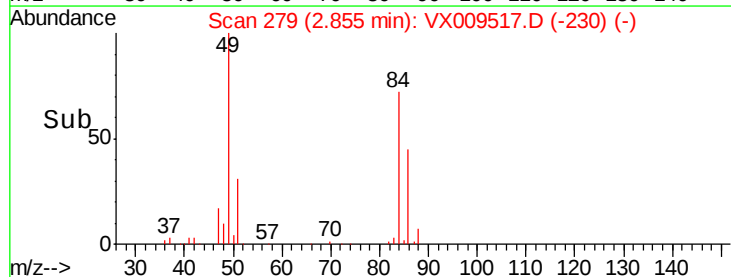
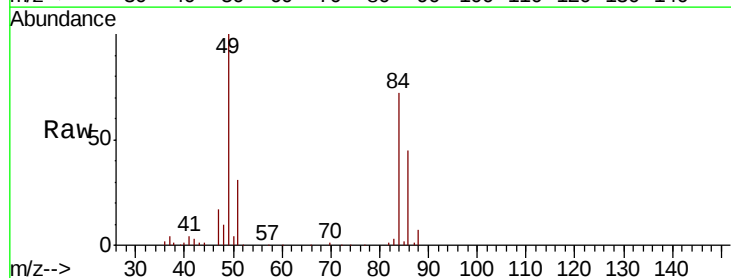
Instrument :
MSVOA_X
ClientSampleId :
VX0511WBS01

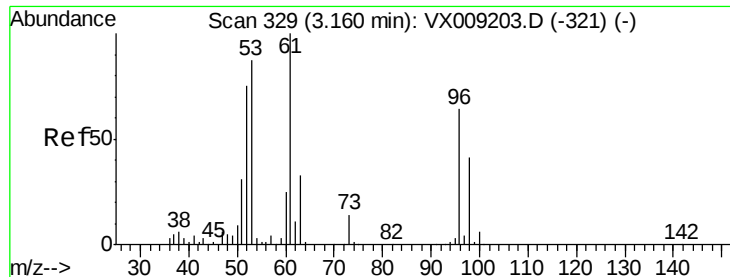
Tot Ion: 73 Resp: 127680
Ion Ratio Lower Upper
73 100
57 23.5 19.3 28.9



#20
Methylene Chloride
Concen: 20.348 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

Tgt Ion: 84 Resp: 40714
Ion Ratio Lower Upper
84 100
49 139.5 109.9 164.9
51 43.6 32.7 49.1
86 63.1 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 20.997 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Instrument :

MSVOA_X

ClientSampled :

VX0511WBS01

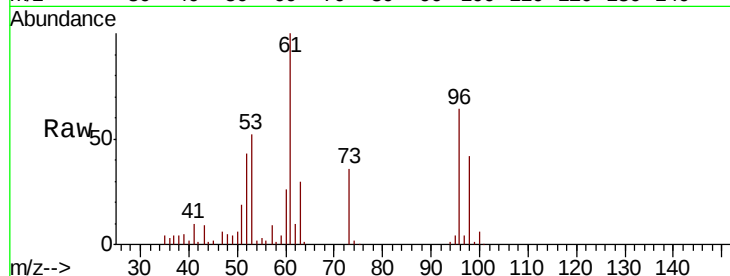
Tot Ion: 96 Resp: 36020

Ion Ratio Lower Upper

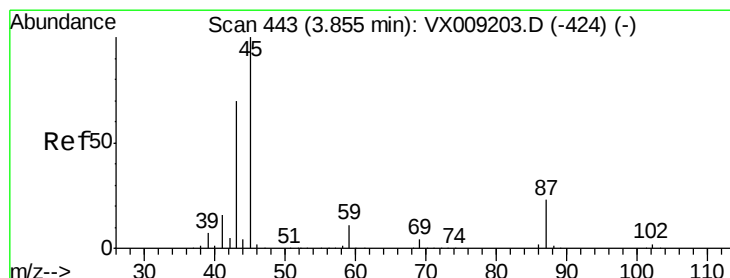
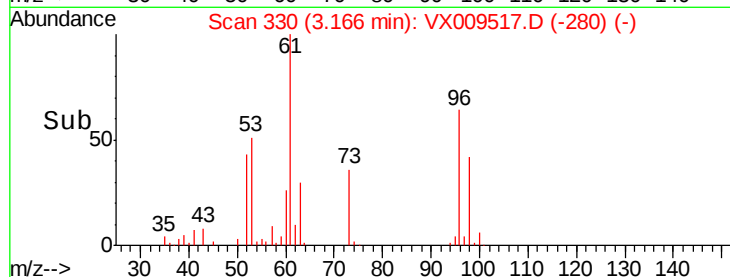
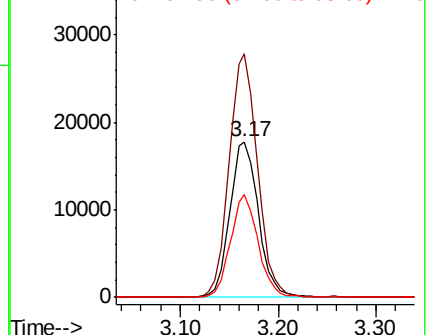
96 100

61 156.4 124.5 186.7

98 66.1 50.4 75.6



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



#22

Diisopropyl ether

Concen: 20.931 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Tgt Ion: 45 Resp: 155169

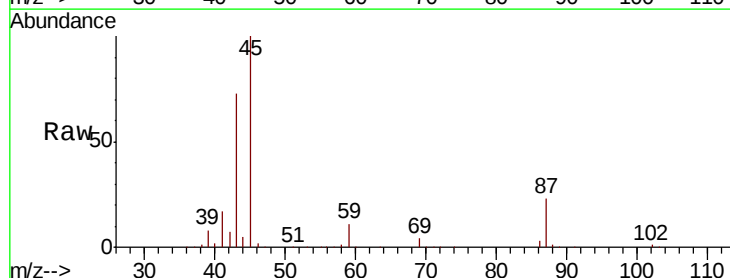
Ion Ratio Lower Upper

45 100

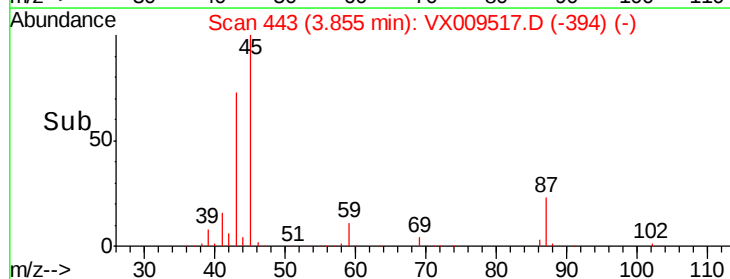
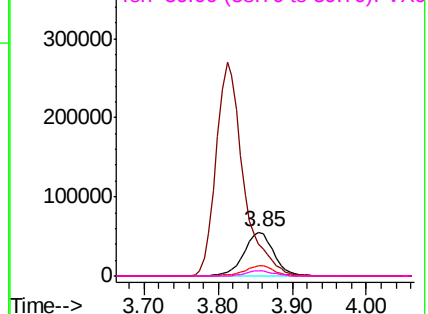
43 72.6 56.1 84.1

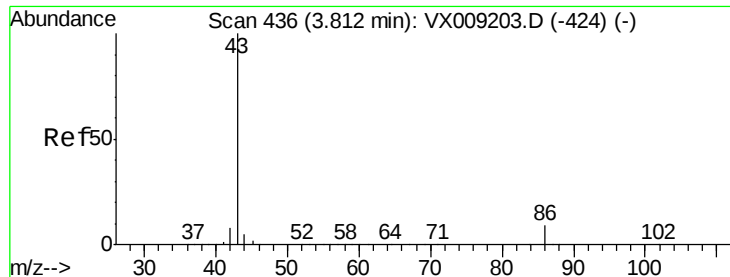
87 22.7 18.1 27.1

59 11.2 8.5 12.7



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 108.293 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

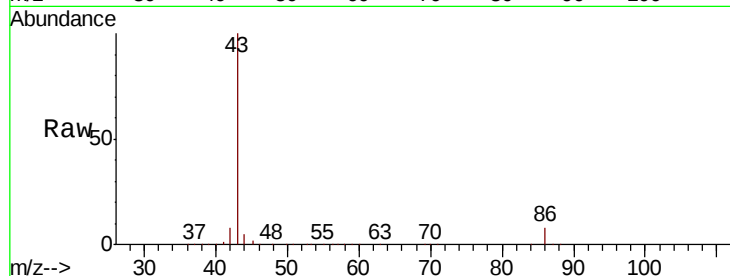
VX0511WBS01

Tot Ion: 43 Resp: 687453

Ion Ratio Lower Upper

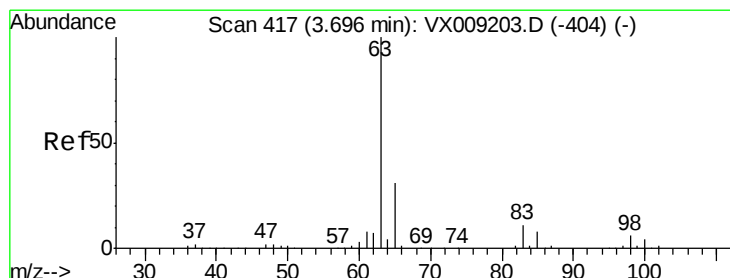
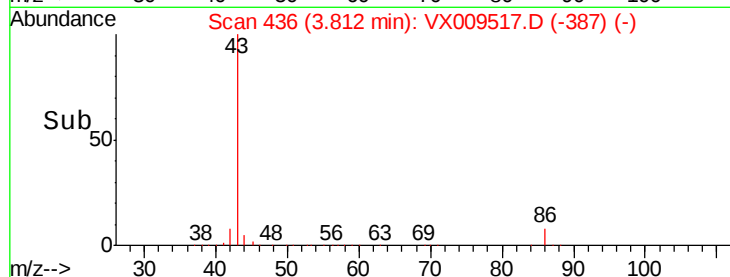
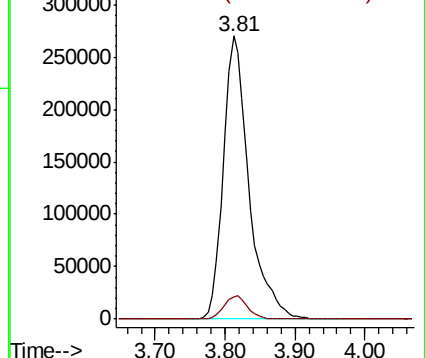
43 100

86 8.0 6.9 10.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 20.589 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

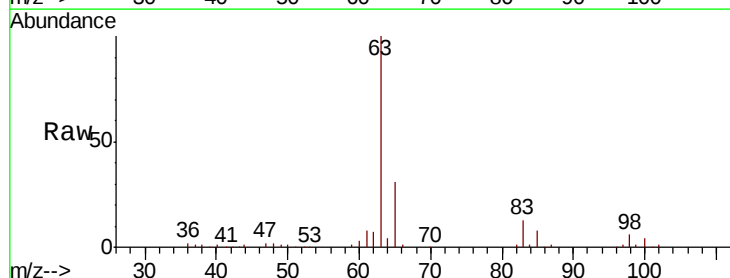
Tgt Ion: 63 Resp: 75295

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

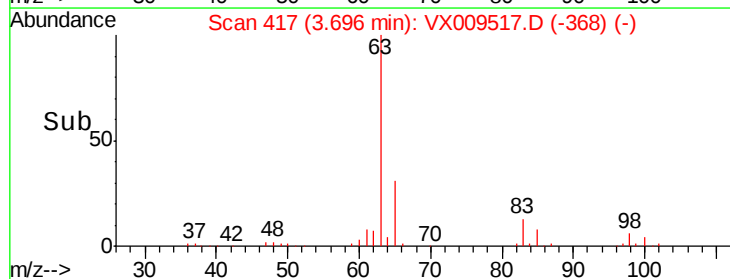
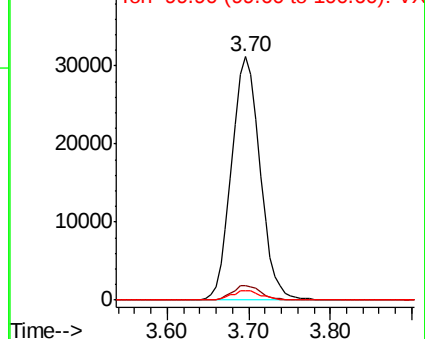
100 3.9 2.0 6.0

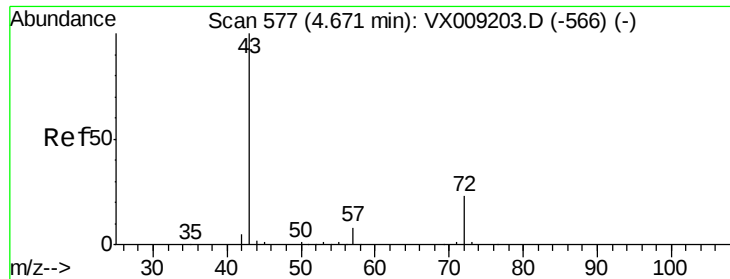


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 106.676 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

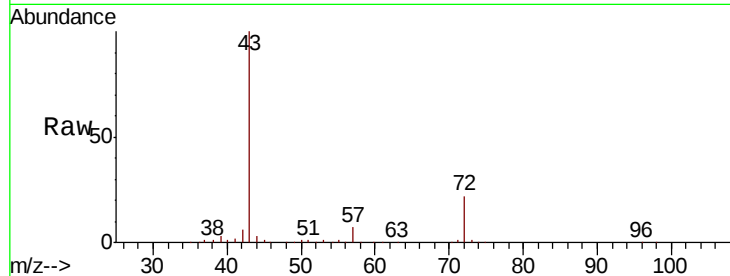
VX0511WBS01

Tot Ion: 43 Resp: 204850

Ion Ratio Lower Upper

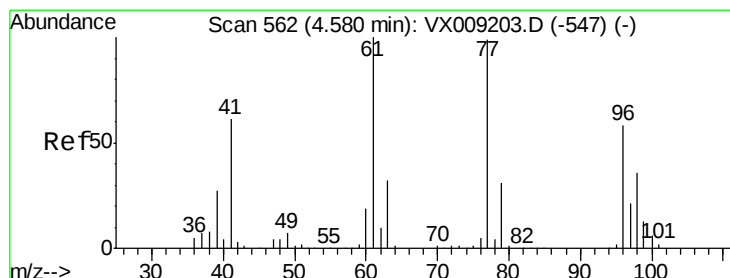
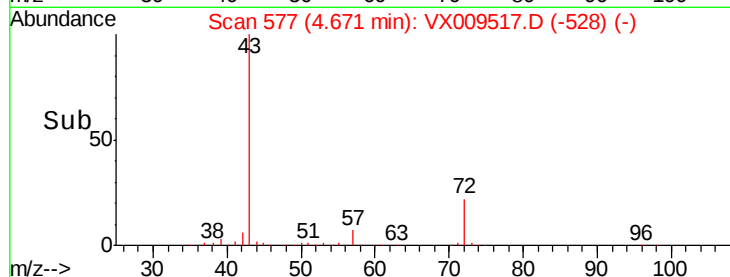
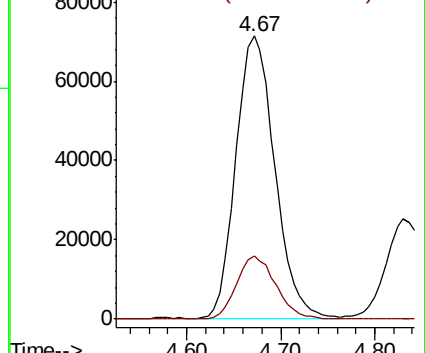
43 100

72 22.0 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 20.494 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX009517.D

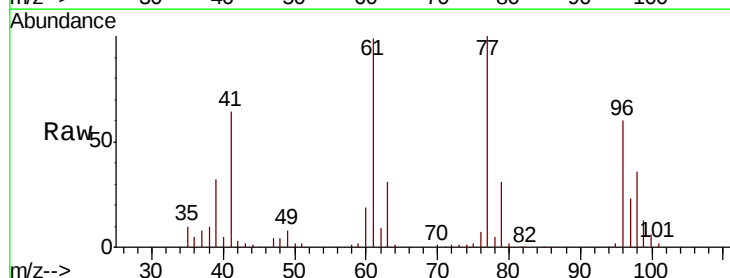
Acq: 11 May 2019 12:01

Tgt Ion: 77 Resp: 55786

Ion Ratio Lower Upper

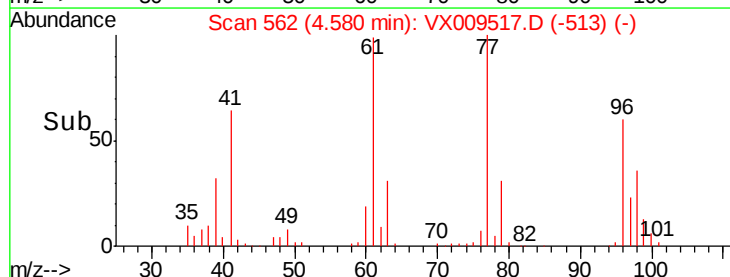
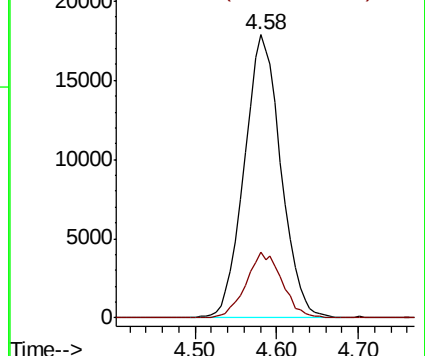
77 100

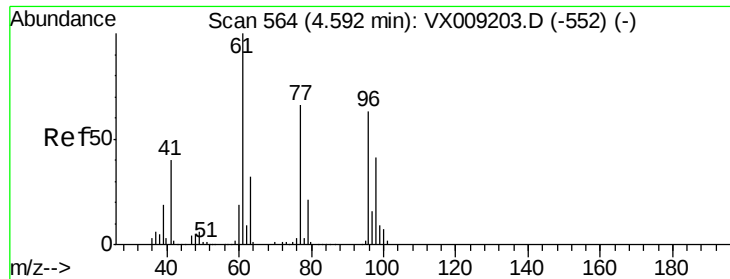
97 22.9 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



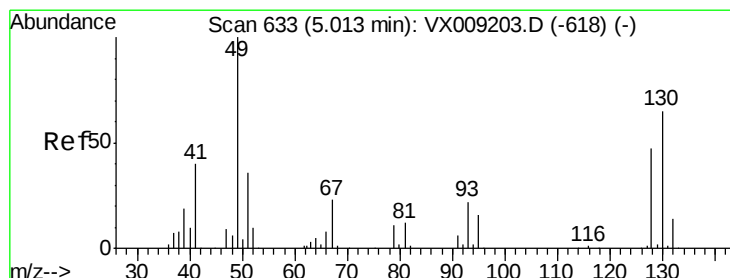
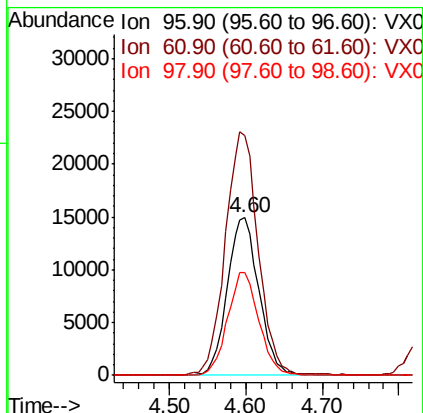
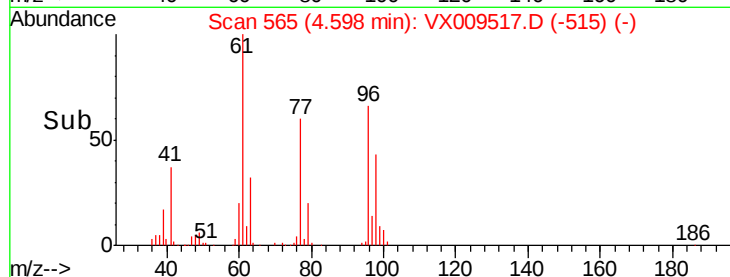
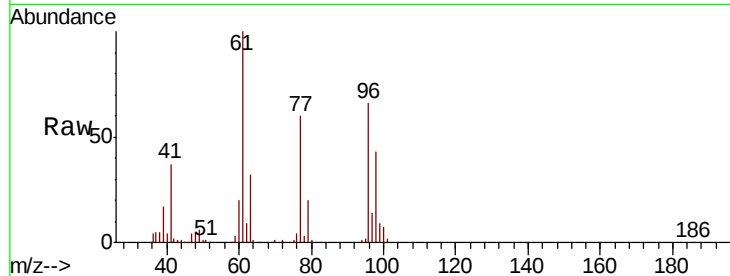


#27

cis-1,2-Dichloroethene
Concen: 20.825 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

Instrument :
MSVOA_X
ClientSampleId :
VX0511WBS01

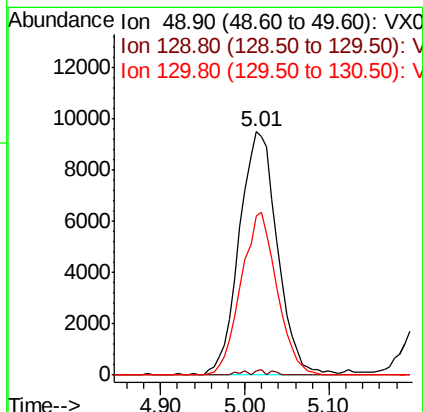
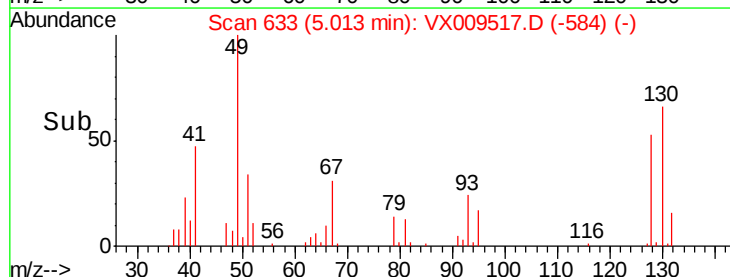
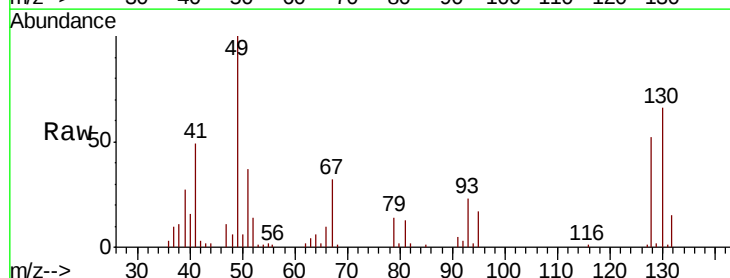
Tot Ion: 96 Resp: 42642
Ion Ratio Lower Upper
96 100
61 159.9 0.0 324.0
98 64.3 0.0 130.4

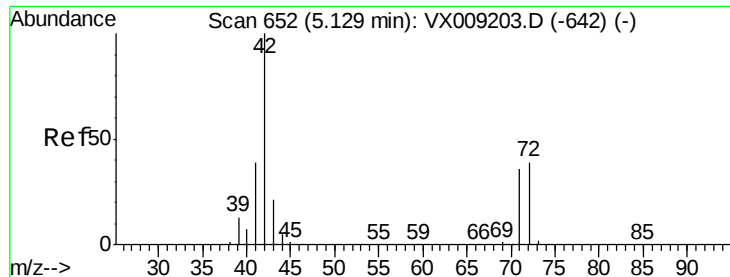


#28

Bromochloromethane
Concen: 18.085 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

Tgt Ion: 49 Resp: 29200
Ion Ratio Lower Upper
49 100
129 0.4 0.0 3.8
130 63.1 51.2 76.8

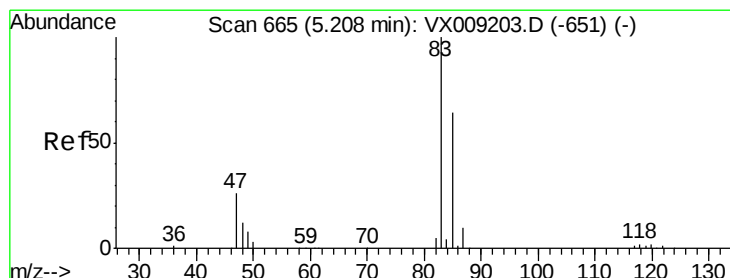
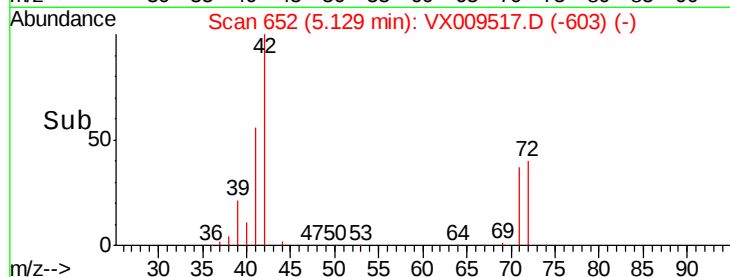
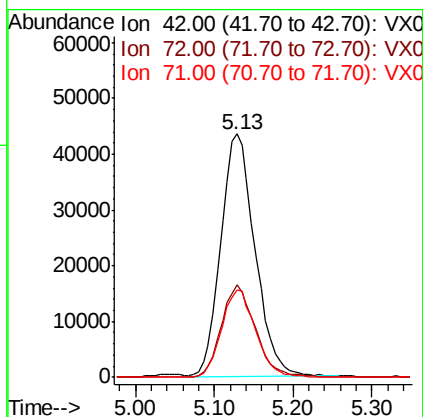
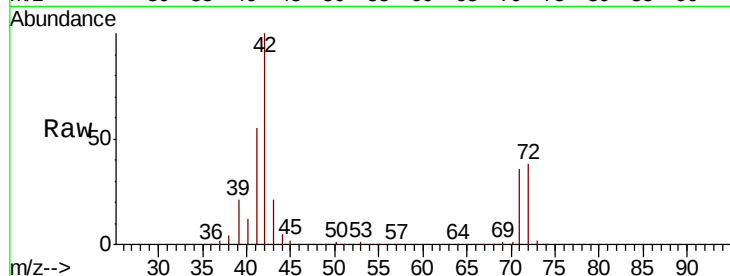




#29
Tetrahydrofuran
Concen: 106.169 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

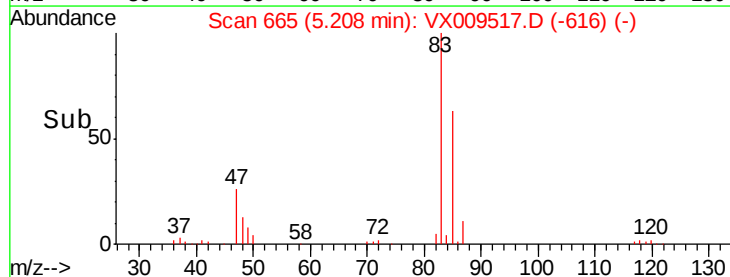
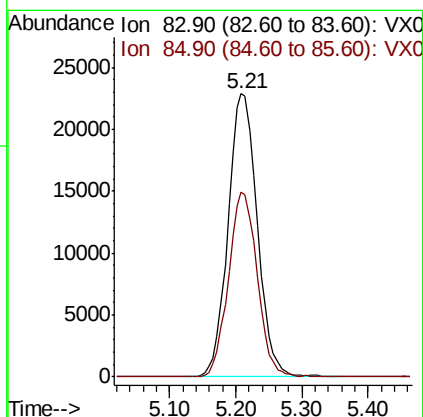
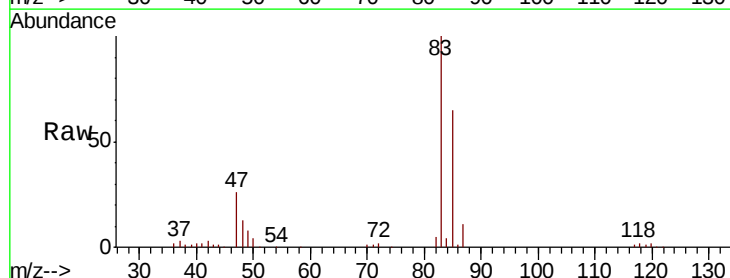
Instrument :
MSVOA_X
ClientSampleId :
VX0511WBS01

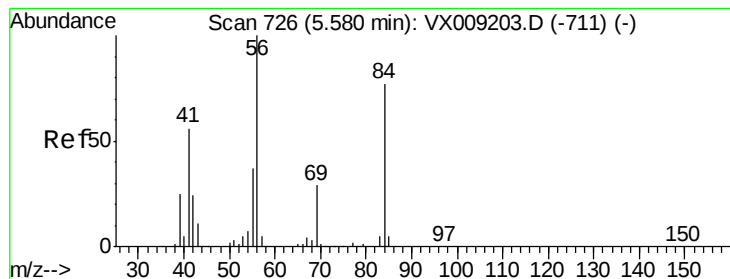
Tot Ion: 42 Resp: 131194
Ion Ratio Lower Upper
42 100
72 38.0 30.4 45.6
71 36.1 28.6 43.0



#30
Chloroform
Concen: 21.162 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

Tgt Ion: 83 Resp: 69996
Ion Ratio Lower Upper
83 100
85 65.5 51.5 77.3





#31

Cyclohexane

Concen: 21.388 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

VX0511WBS01

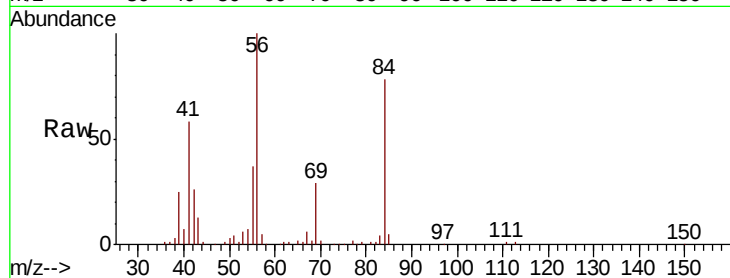
Tot Ion: 56 Resp: 72772

Ion Ratio Lower Upper

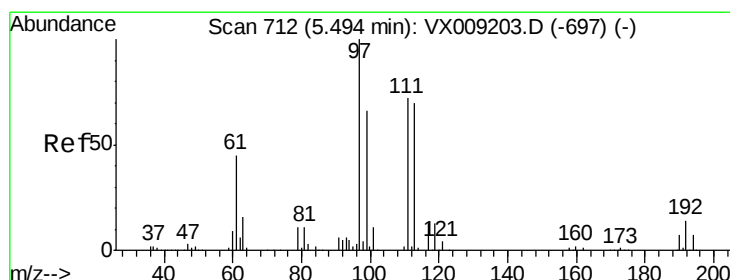
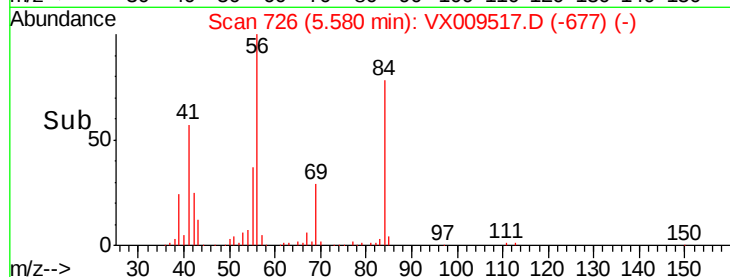
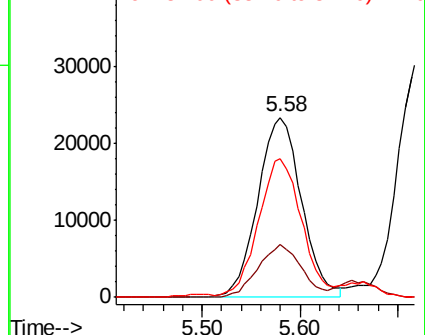
56 100

69 29.5 23.4 35.0

84 75.8 61.9 92.9



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



#32

1,1,1-Trichloroethane

Concen: 21.119 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

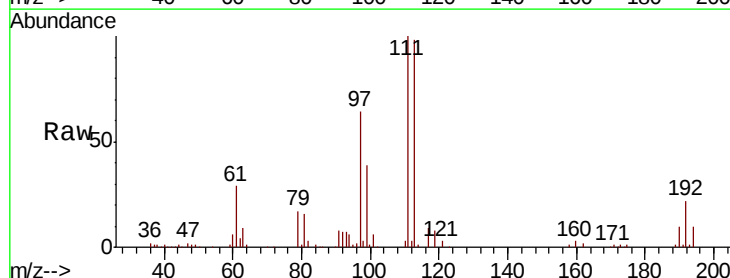
Tgt Ion: 97 Resp: 58150

Ion Ratio Lower Upper

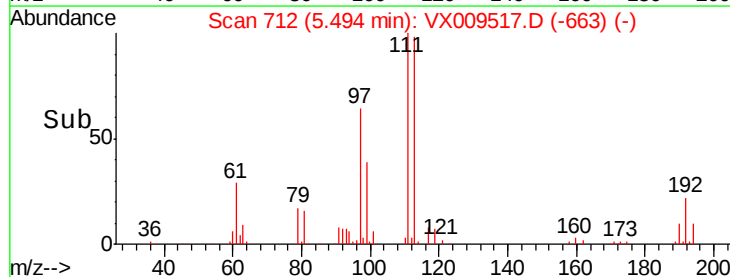
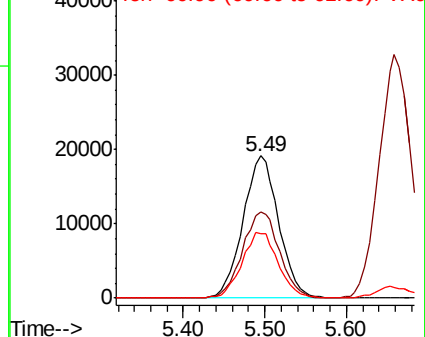
97 100

99 62.8 51.8 77.8

61 47.0 37.8 56.8



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





#33

1,2-Dichloroethane-d4

Concen: 49.506 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

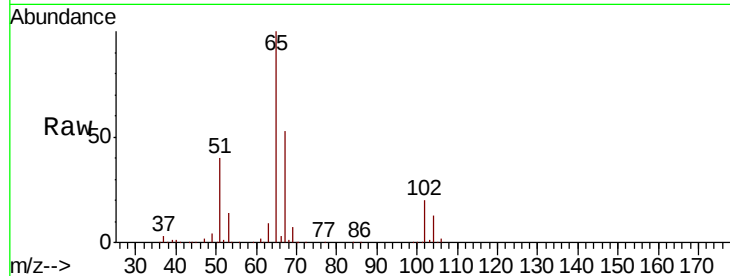
VX0511WBS01

Tot Ion: 65 Resp: 113932

Ion Ratio Lower Upper

65 100

67 53.7 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

40000

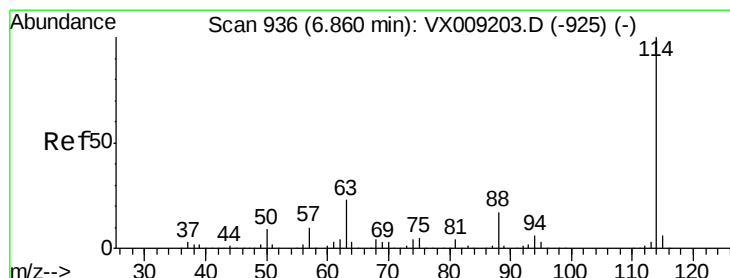
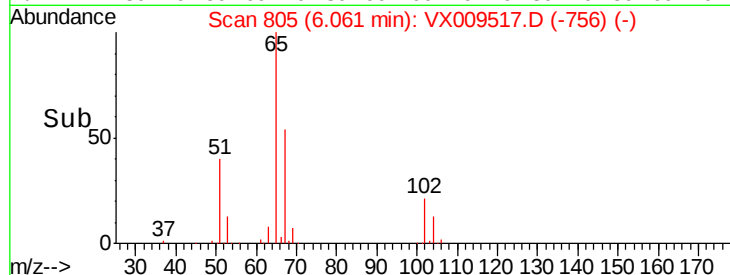
30000

20000

10000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

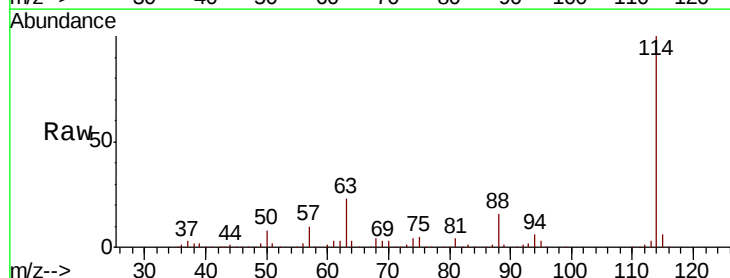
Tgt Ion: 114 Resp: 267893

Ion Ratio Lower Upper

114 100

63 22.6 0.0 45.6

88 16.4 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

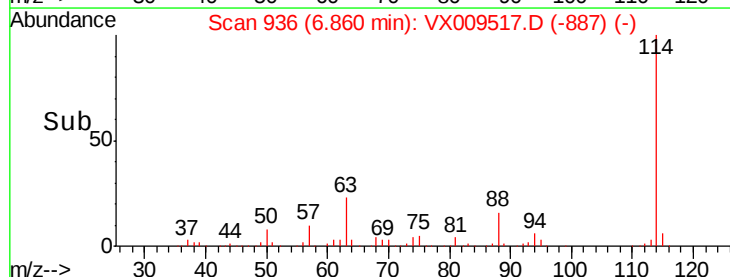
150000

100000

50000

0

Time--> 6.80 7.00

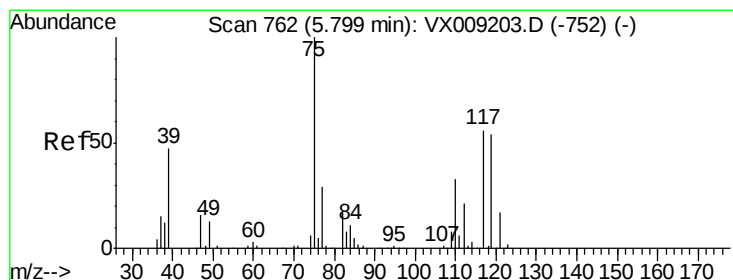
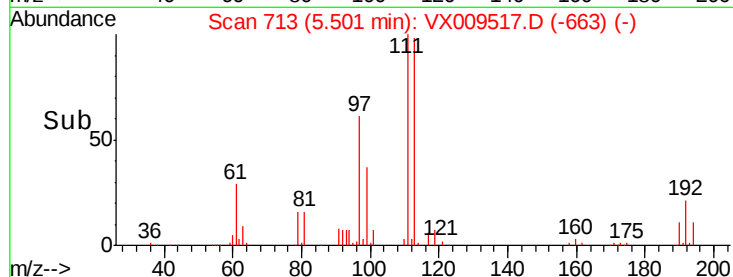
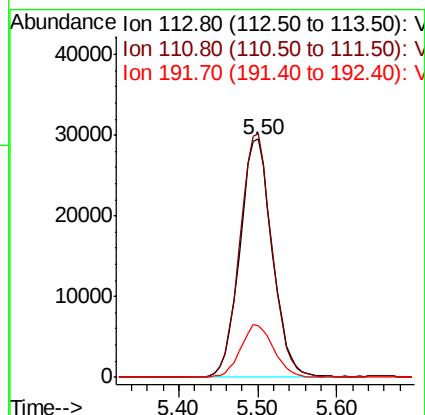
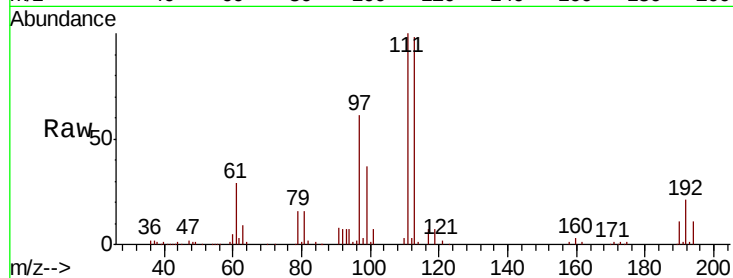




#35
 Dibromofluoromethane
 Concen: 50.213 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009517.D
 Acq: 11 May 2019 12:01

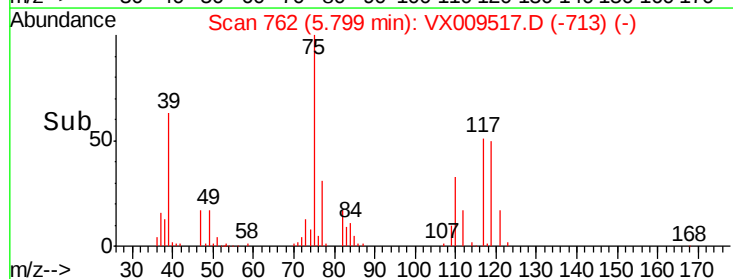
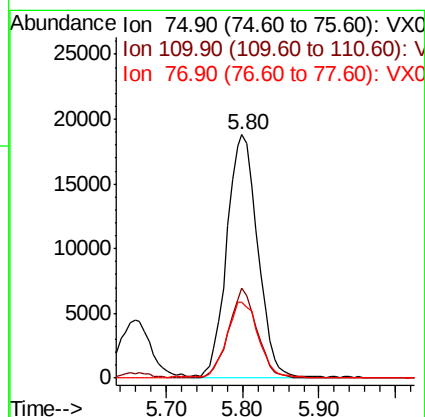
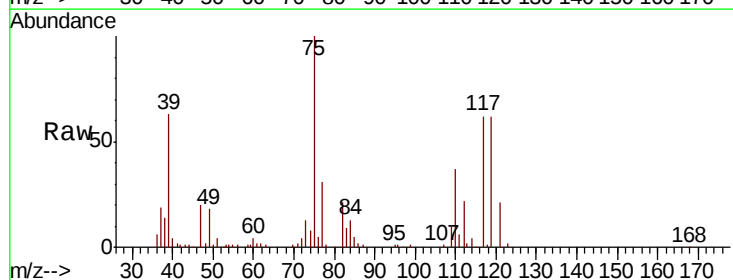
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511WBS01

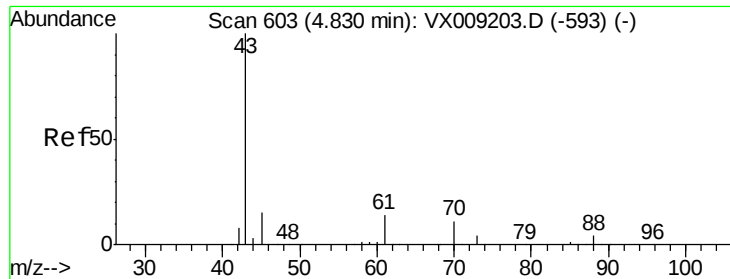
Tot Ion:113 Resp: 84563
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.8 124.2
 192 22.3 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 20.906 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX009517.D
 Acq: 11 May 2019 12:01

Tgt Ion: 75 Resp: 52048
 Ion Ratio Lower Upper
 75 100
 110 34.0 16.9 50.6
 77 32.7 24.8 37.2

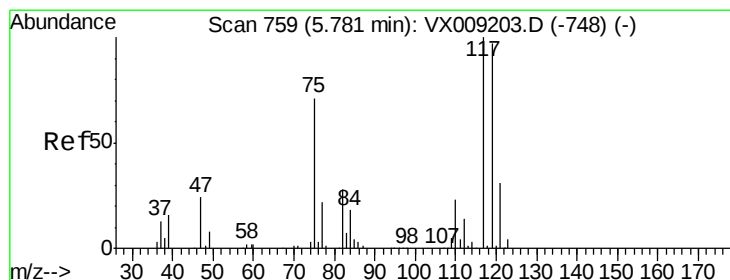
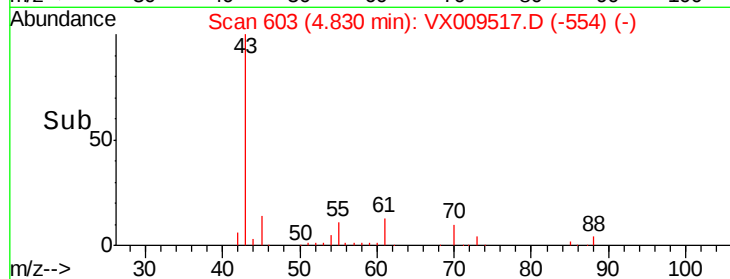
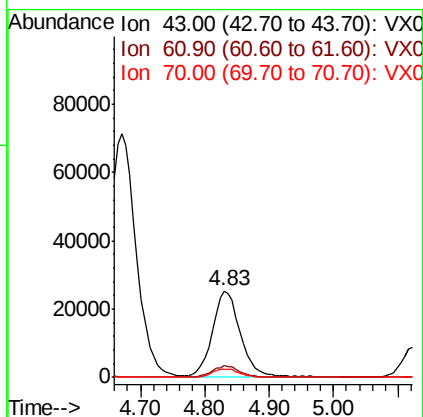
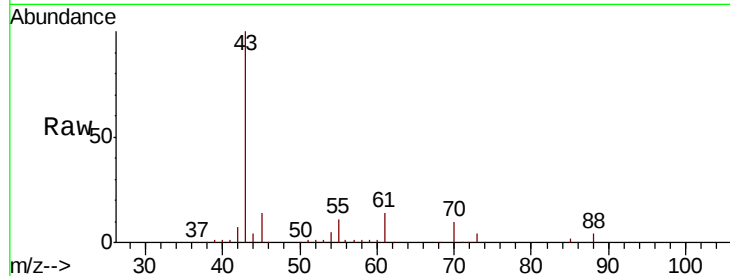




#37
Ethyl Acetate
Concen: 22.107 ug/l
RT: 4.83 min Scan# 603
Delta R.T. 0.00 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

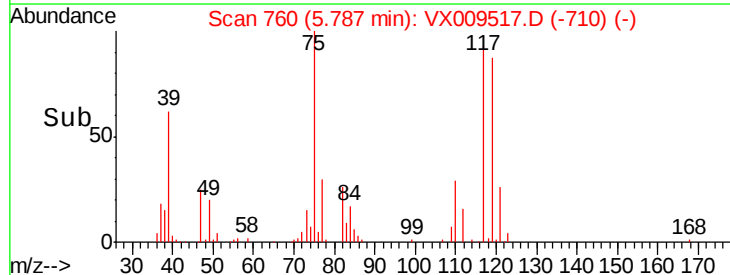
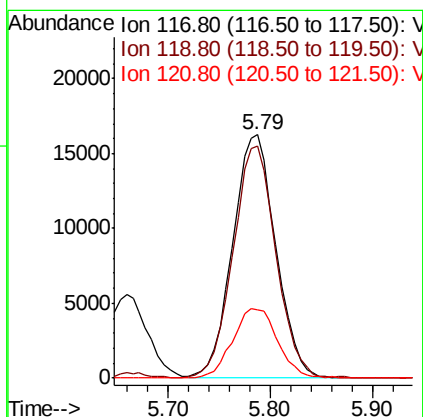
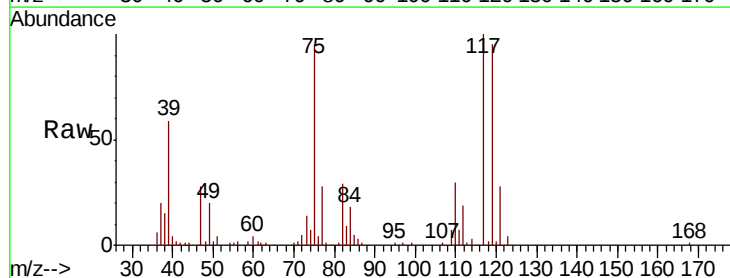
Instrument :
MSVOA_X
ClientSampleId :
VX0511WBS01

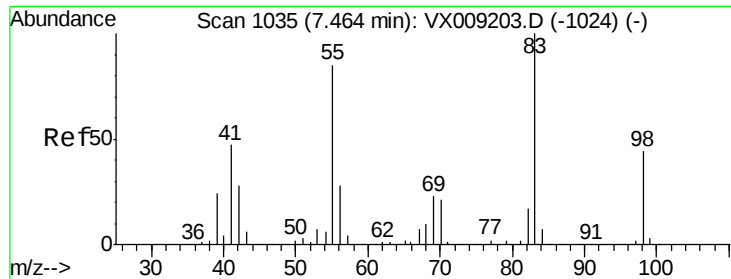
Tot Ion: 43 Resp: 76684
Ion Ratio Lower Upper
43 100
61 13.1 10.5 15.7
70 9.6 7.9 11.9



#38
Carbon Tetrachloride
Concen: 21.118 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

Tgt Ion: 117 Resp: 47768
Ion Ratio Lower Upper
117 100
119 94.9 77.5 116.3
121 27.9 24.7 37.1

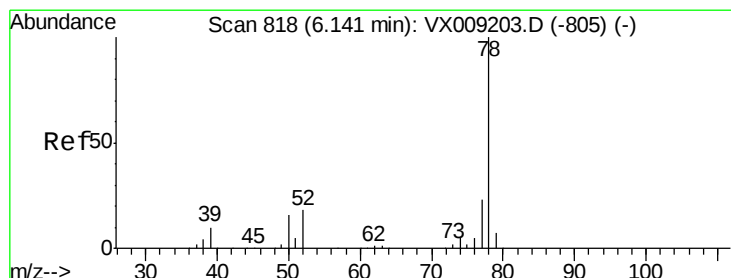
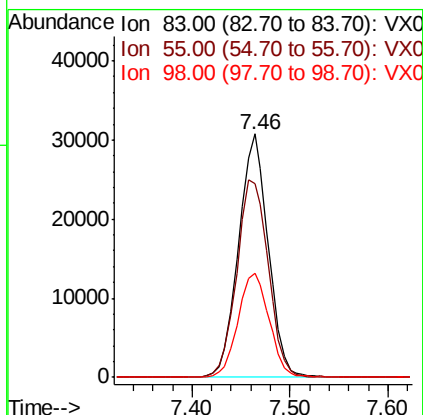
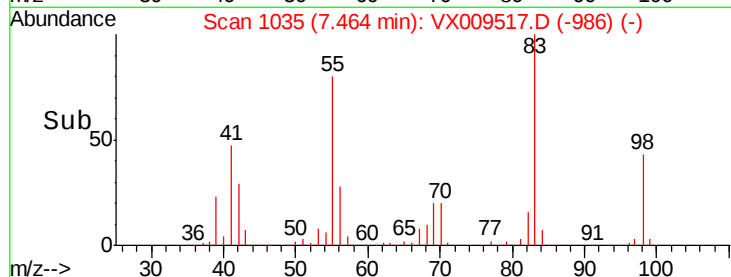
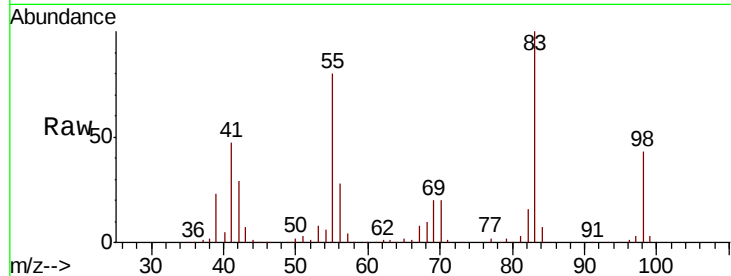




#39
Methvlcvclohexane
Concen: 21.159 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

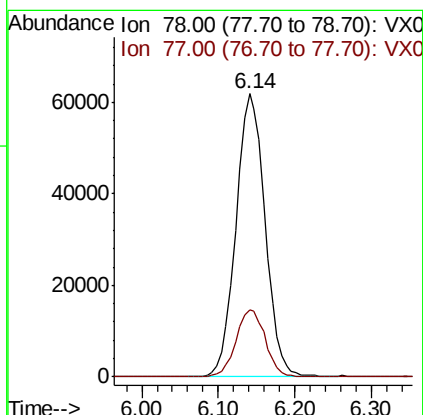
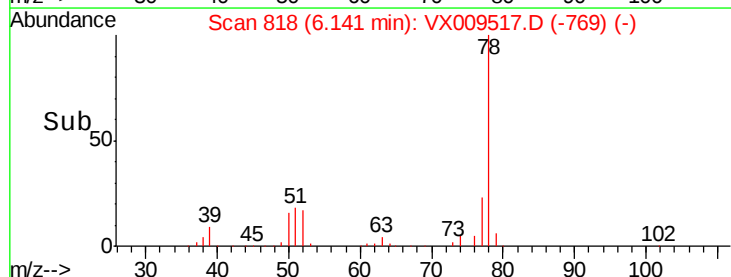
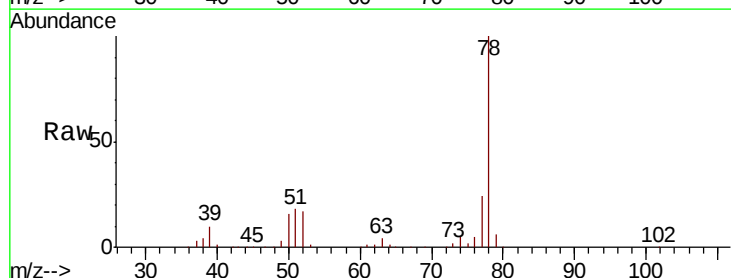
Instrument :
MSVOA_X
ClientSampleId :
VX0511WBS01

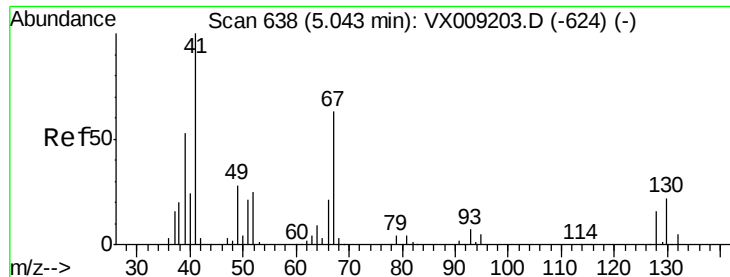
Tot Ion: 83 Resp: 64691
Ion Ratio Lower Upper
83 100
55 79.6 67.7 101.5
98 42.8 35.5 53.3



#40
Benzene
Concen: 21.187 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

Tgt Ion: 78 Resp: 163245
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2





#41

Methacrylonitrile

Concen: 20.569 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Instrument :

MSVOA_X

ClientSampled :

VX0511WBS01

Tot Ion: 41 Resp: 42472

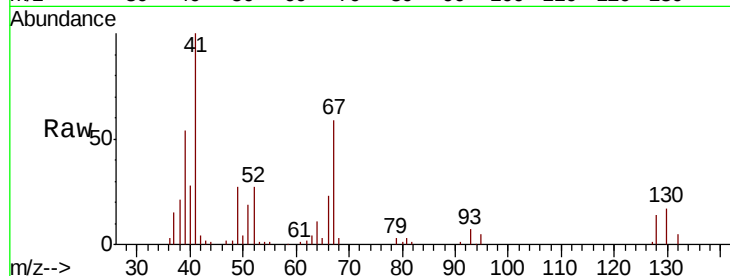
Ion Ratio Lower Upper

41 100

39 52.9 42.0 63.0

67 62.7 49.8 74.8

52 27.0 20.3 30.5

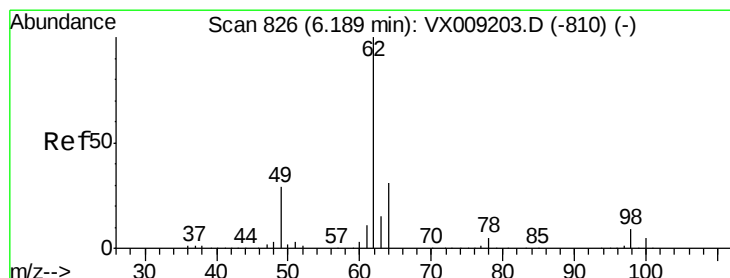
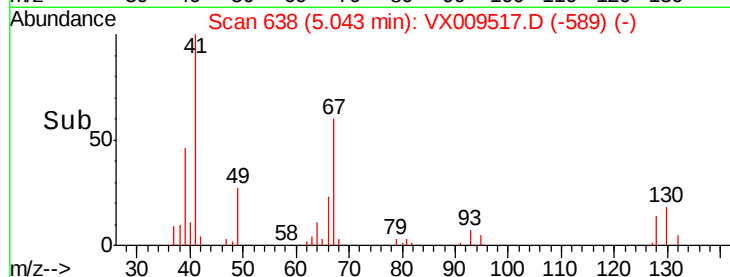
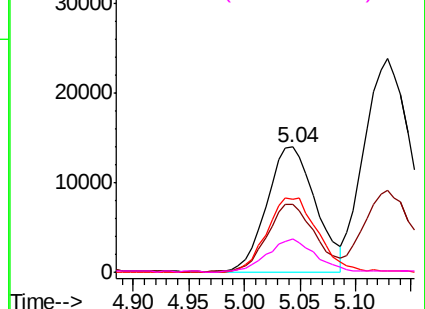


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 21.631 ug/l

RT: 6.19 min Scan# 826

Delta R.T. 0.00 min

Lab File: VX009517.D

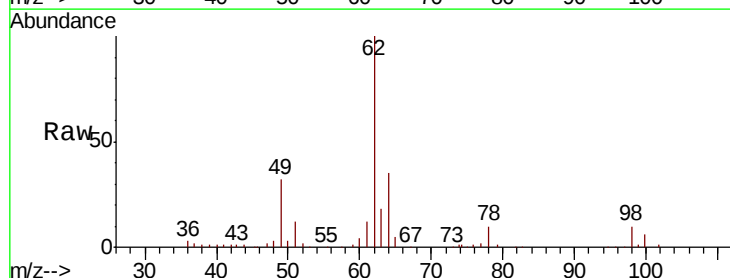
Acq: 11 May 2019 12:01

Tgt Ion: 62 Resp: 59784

Ion Ratio Lower Upper

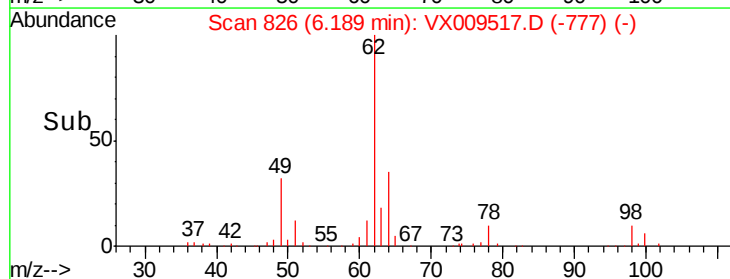
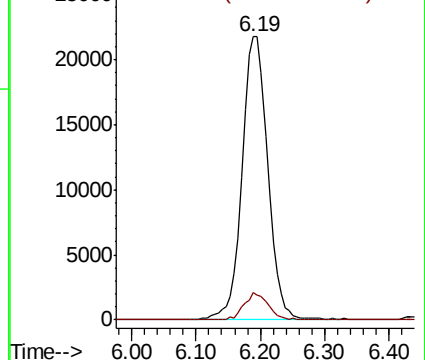
62 100

98 9.0 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



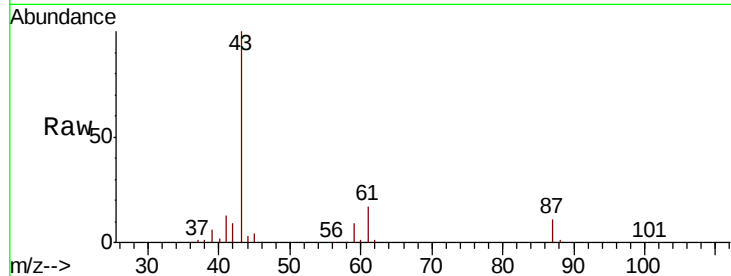


#43

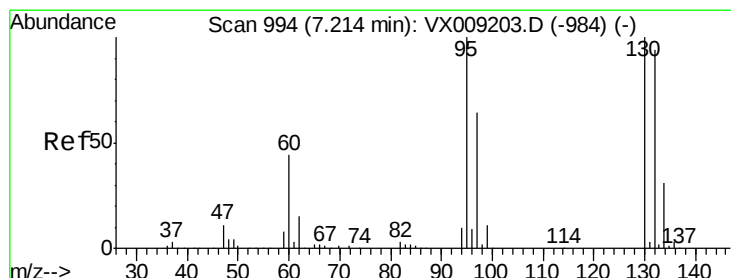
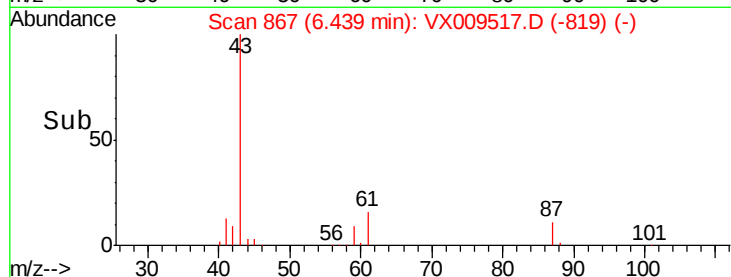
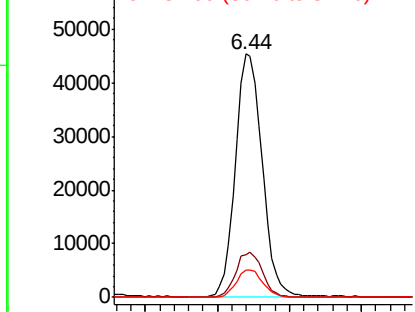
Isopropyl Acetate
 Concen: 21.087 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX009517.D
 Acq: 11 May 2019 12:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511WBS01

Tot Ion: 43 Resp: 116997
 Ion Ratio Lower Upper
 43 100
 61 18.5 15.1 22.7
 87 11.5 9.0 13.6



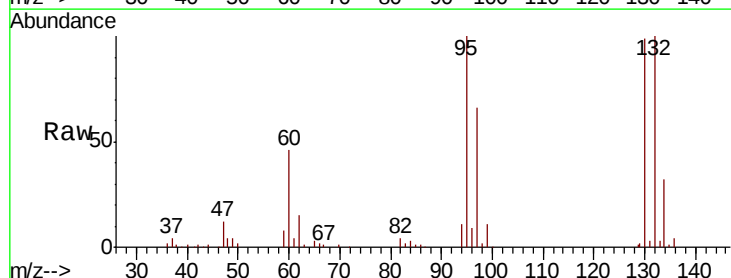
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



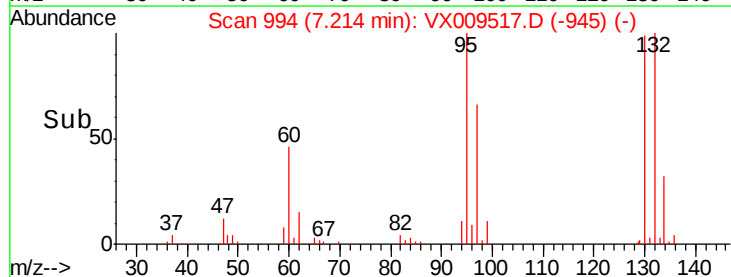
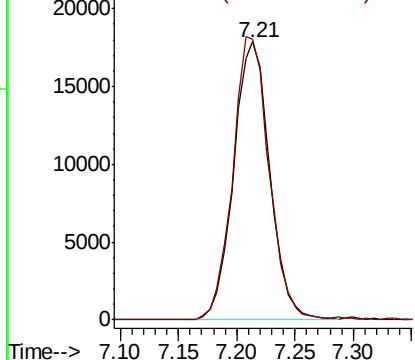
#44

Trichloroethene
 Concen: 20.716 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX009517.D
 Acq: 11 May 2019 12:01

Tgt Ion:130 Resp: 38586
 Ion Ratio Lower Upper
 130 100
 95 101.1 0.0 199.2



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





#45

1,2-Dichloropropane

Concen: 21.149 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Instrument :

MSVOA_X

ClientSampled :

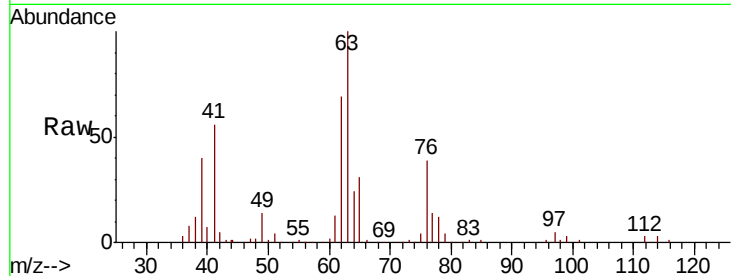
VX0511WBS01

Tot Ion: 63 Resp: 46141

Ion Ratio Lower Upper

63 100

65 30.6 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

25000

20000

15000

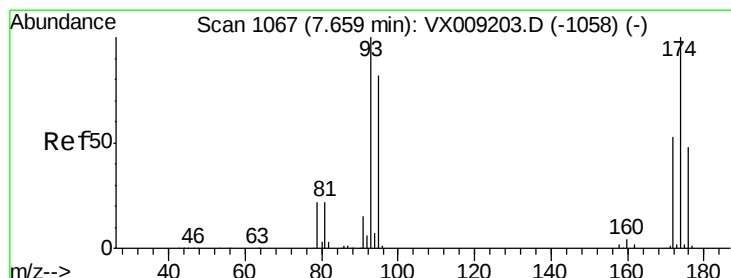
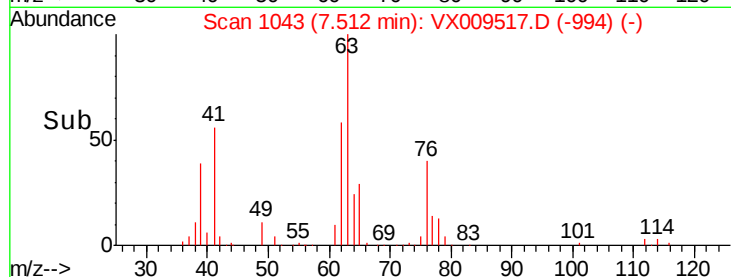
10000

5000

0

7.40 7.50 7.60

Time-->



#46

Dibromomethane

Concen: 20.678 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

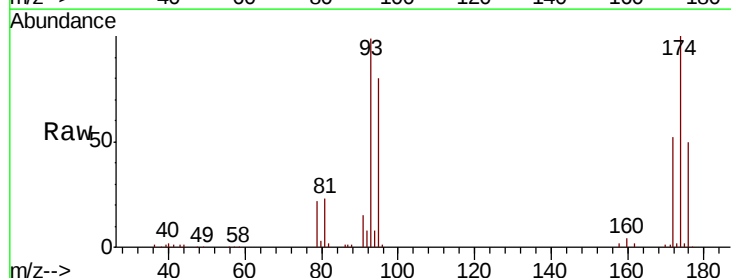
Tgt Ion: 93 Resp: 26197

Ion Ratio Lower Upper

93 100

95 84.0 66.5 99.7

174 107.6 82.1 123.1



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

15000

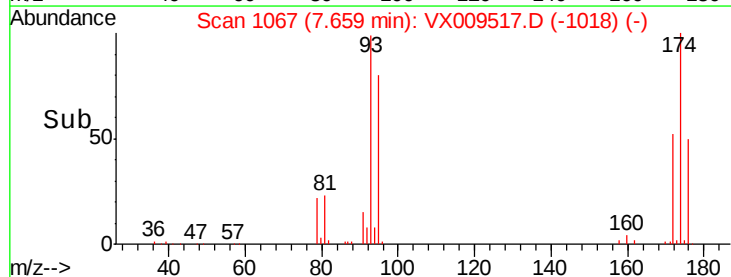
10000

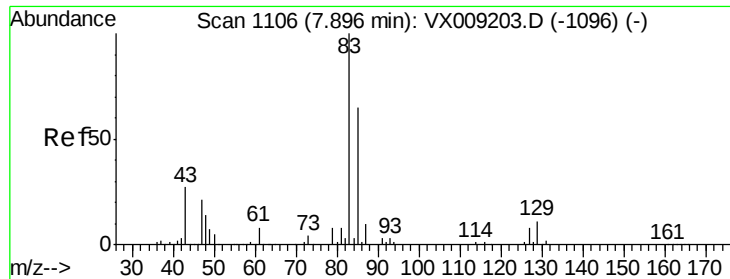
5000

0

7.60 7.70 7.80

Time-->





#47

Bromodichloromethane

Concen: 20.818 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

VX0511WBS01

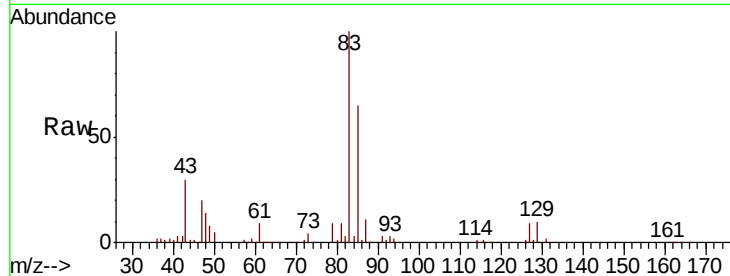
Tot Ion: 83 Resp: 52611

Ion Ratio Lower Upper

83 100

85 64.8 52.4 78.6

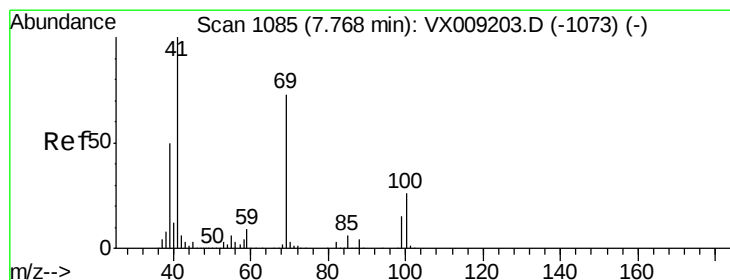
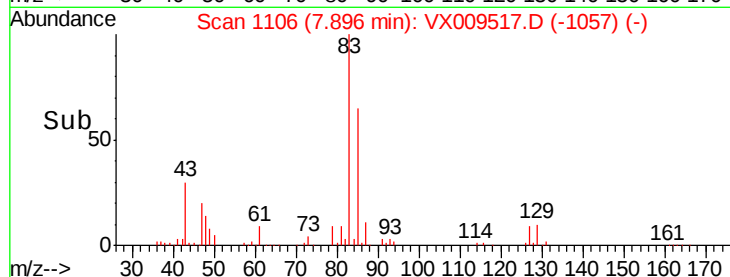
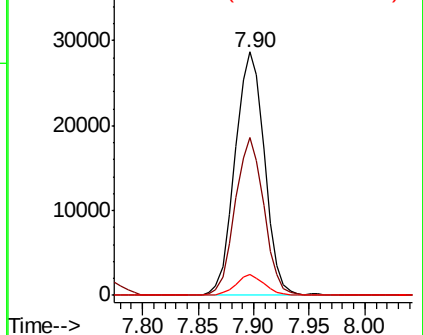
127 8.6 6.6 10.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 21.921 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

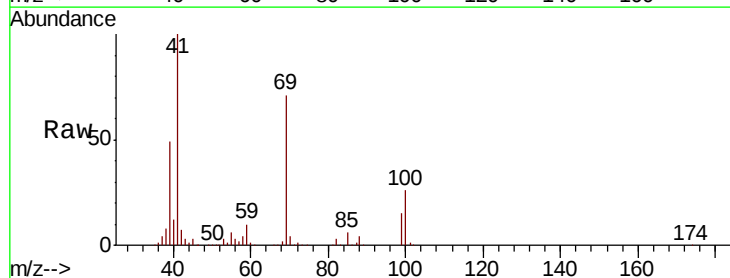
Tgt Ion: 41 Resp: 60341

Ion Ratio Lower Upper

41 100

69 70.8 59.1 88.7

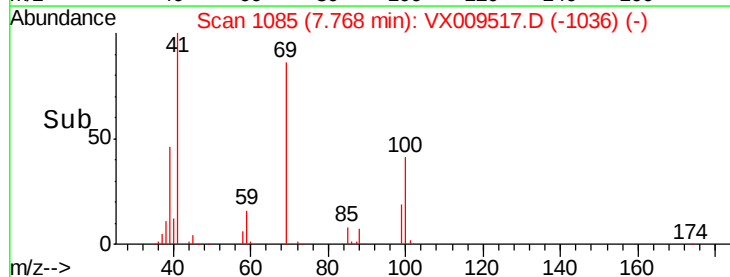
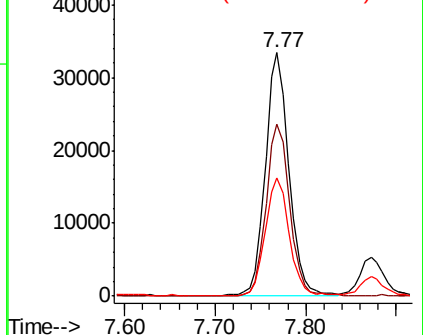
39 49.8 40.4 60.6

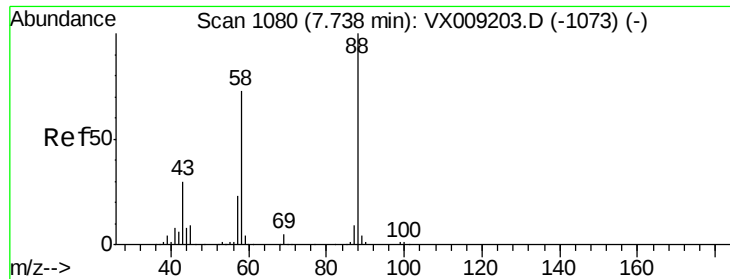


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

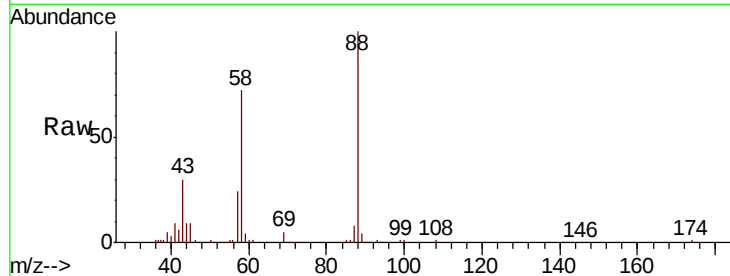




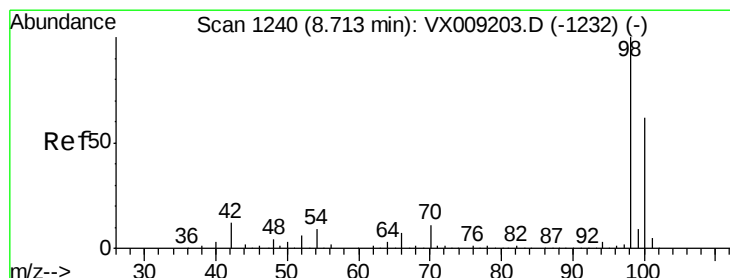
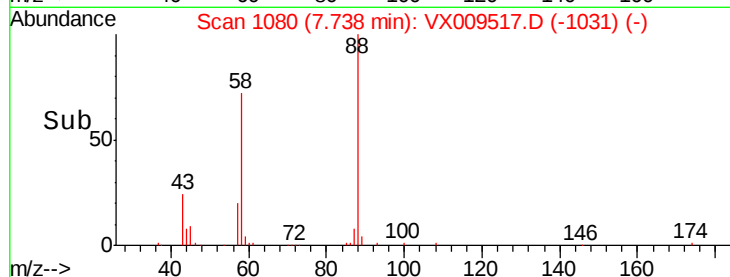
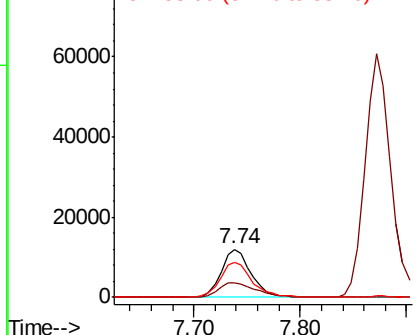
#49
1,4-Dioxane
Concen: 422.291 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

Instrument :
MSVOA_X
ClientSampleId :
VX0511WBS01

Tot Ion: 88 Resp: 23574
Ion Ratio Lower Upper
88 100
43 36.3 28.6 42.8
58 77.3 61.7 92.5

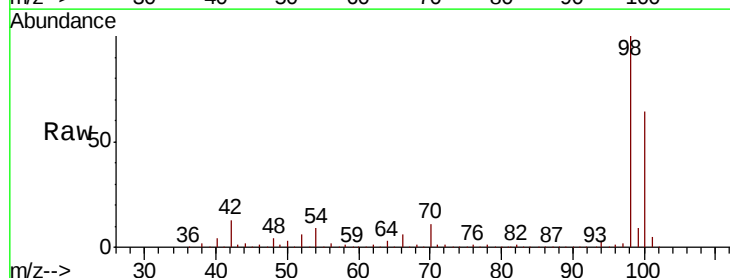


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

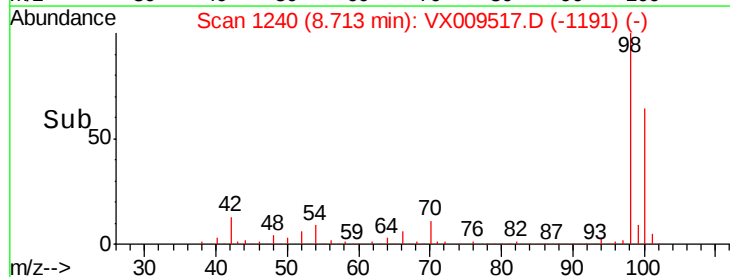
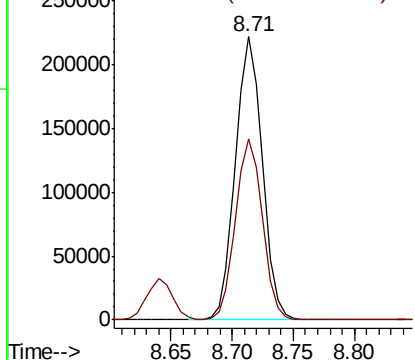


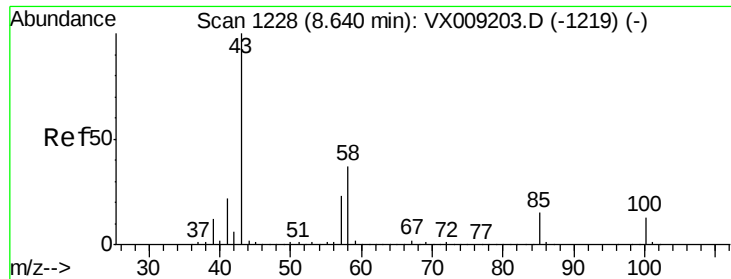
#50
Toluene-d8
Concen: 49.554 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

Tgt Ion: 98 Resp: 336920
Ion Ratio Lower Upper
98 100
100 63.7 51.2 76.8



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





#51

4-Methyl-2-Pentanone

Concen: 107.529 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

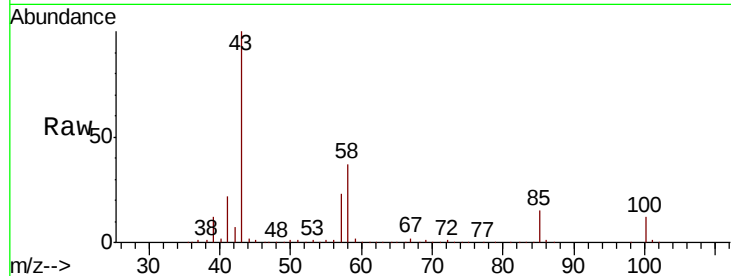
VX0511WBS01

Tot Ion: 43 Resp: 389958

Ion Ratio Lower Upper

43 100

58 36.4 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

250000

200000

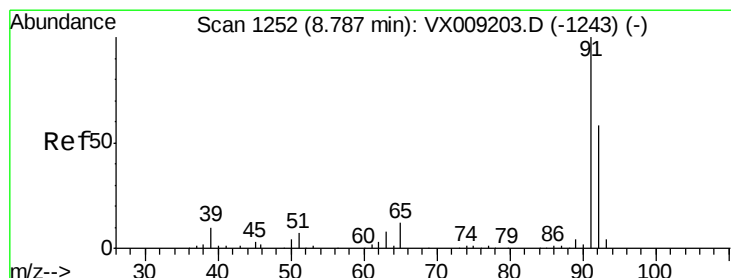
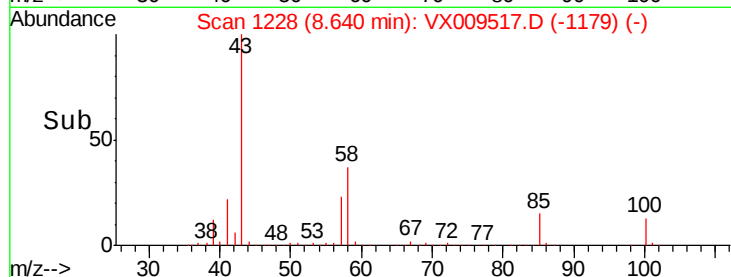
150000

100000

50000

0

Time--> 8.55 8.60 8.65 8.70



#52

Toluene

Concen: 21.202 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009517.D

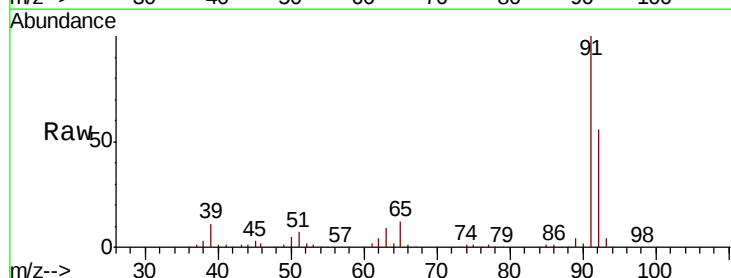
Acq: 11 May 2019 12:01

Tgt Ion: 92 Resp: 99298

Ion Ratio Lower Upper

92 100

91 174.6 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

120000

100000

80000

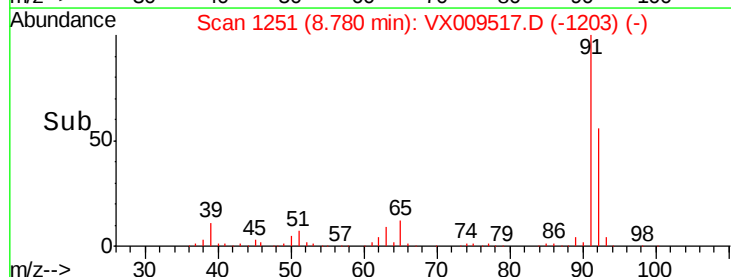
60000

40000

20000

0

Time--> 8.70 8.75 8.80 8.85

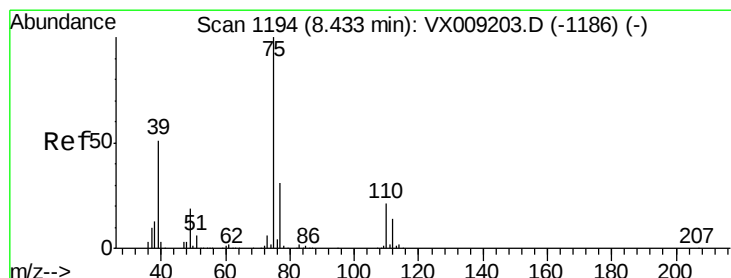
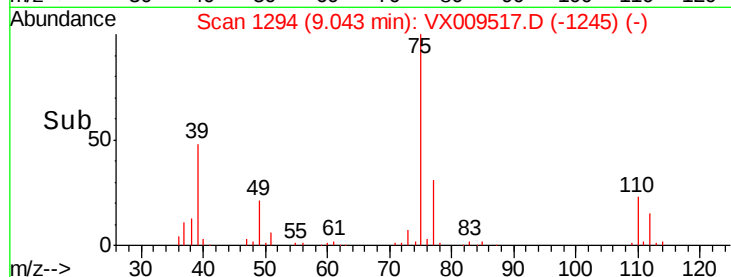
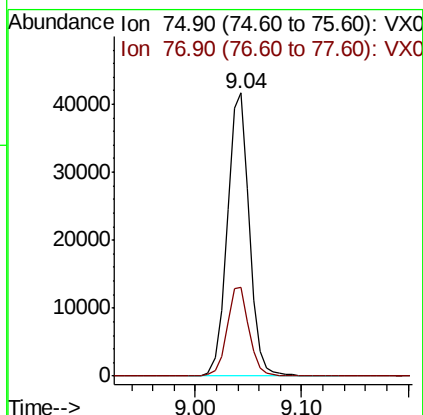
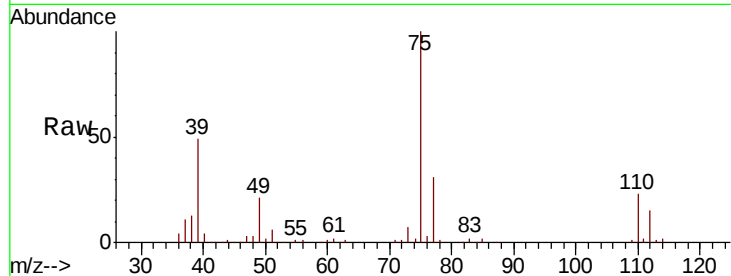




#53
t-1,3-Dichloropropene
Concen: 21.099 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

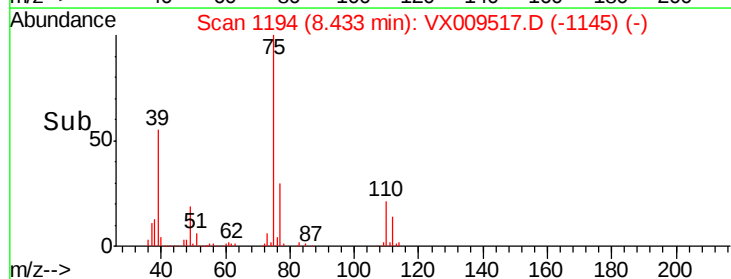
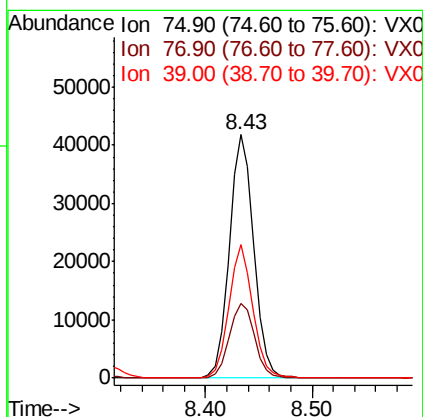
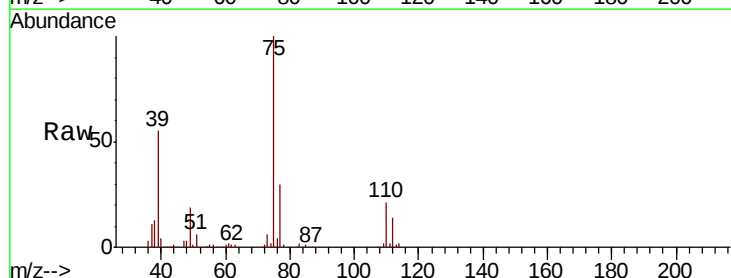
Instrument :
MSVOA_X
ClientSampleId :
VX0511WBS01

Tot Ion: 75 Resp: 60200
Ion Ratio Lower Upper
75 100
77 31.2 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 21.285 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

Tgt Ion: 75 Resp: 67218
Ion Ratio Lower Upper
75 100
77 30.4 24.6 36.8
39 54.8 40.6 60.8

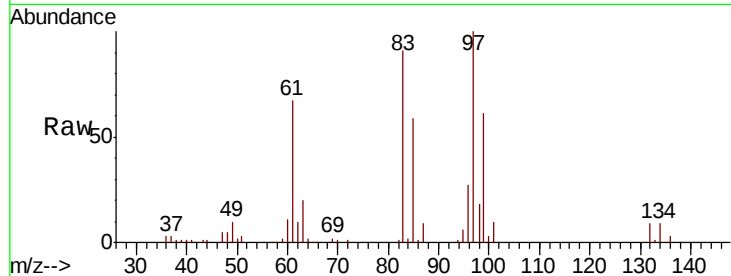




#55
 1,1,2-Trichloroethane
 Concen: 21.094 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009517.D
 Acq: 11 May 2019 12:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511WBS01

Tot Ion:	97	Resp:	40306
Ion	Ratio	Lower	Upper
97	100		
83	90.7	68.9	103.3
85	59.1	43.8	65.6
99	61.2	48.2	72.2



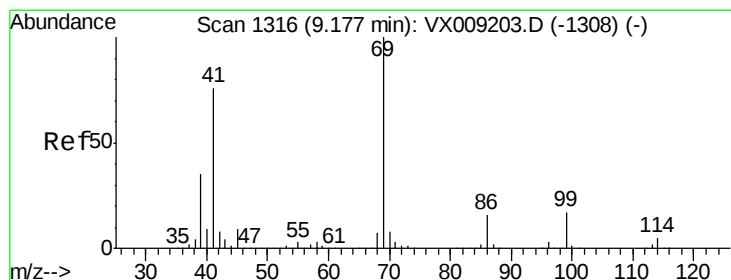
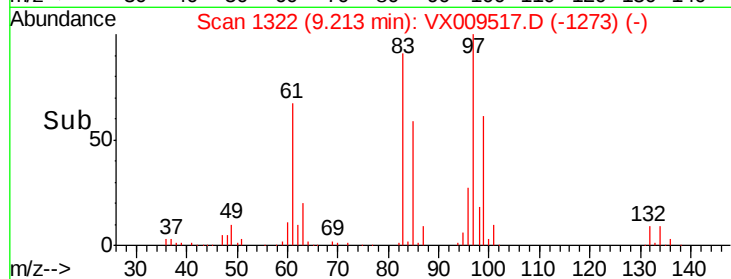
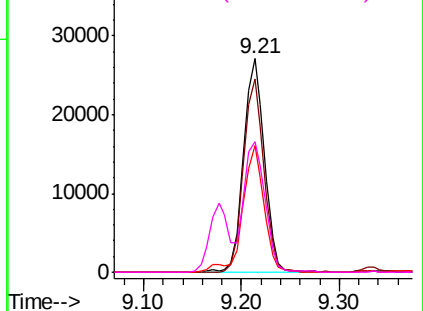
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

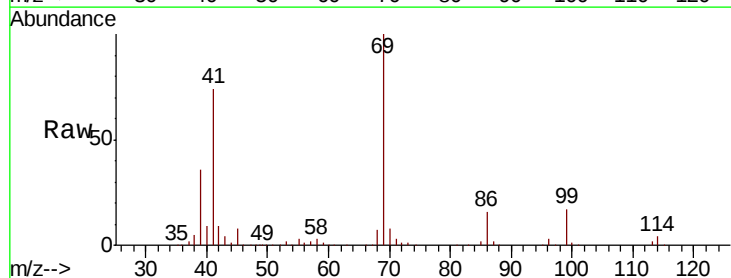
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56
 Ethyl methacrylate
 Concen: 21.261 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009517.D
 Acq: 11 May 2019 12:01

Tgt Ion:	69	Resp:	72517
Ion	Ratio	Lower	Upper
69	100		
41	75.1	60.6	90.8
39	35.5	28.2	42.4

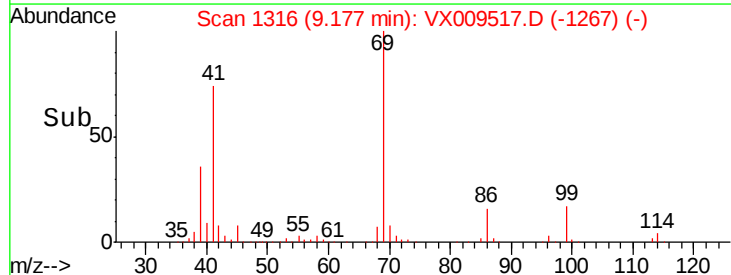
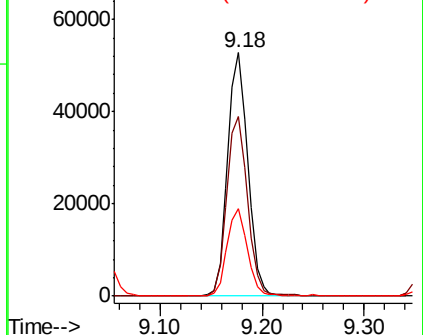


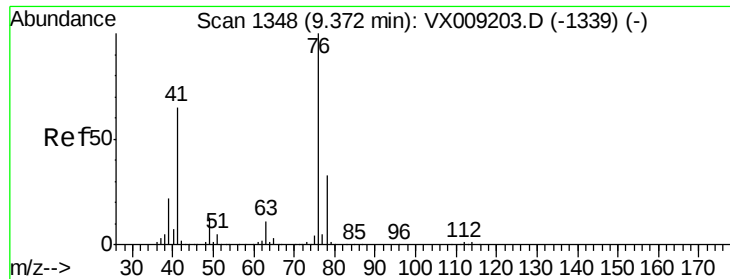
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 21.020 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

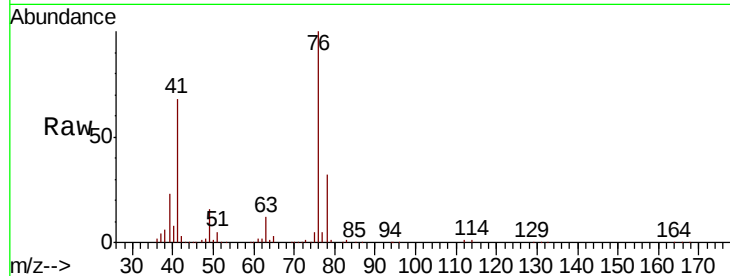
VX0511WBS01

Tot Ion: 76 Resp: 70679

Ion Ratio Lower Upper

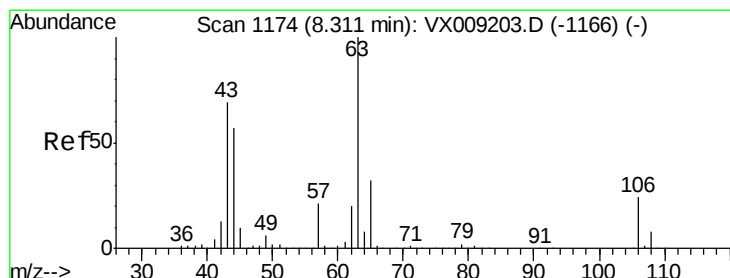
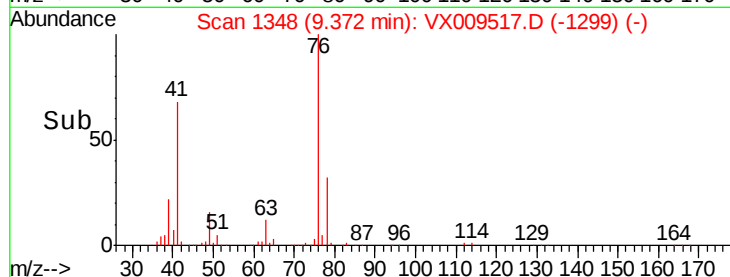
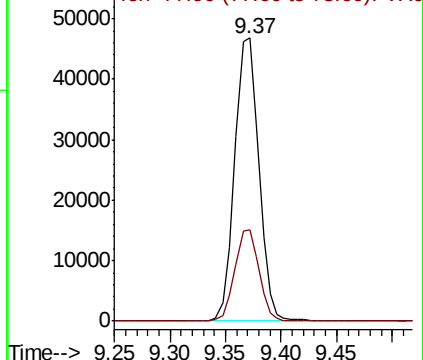
76 100

78 32.5 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 97.170 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX009517.D

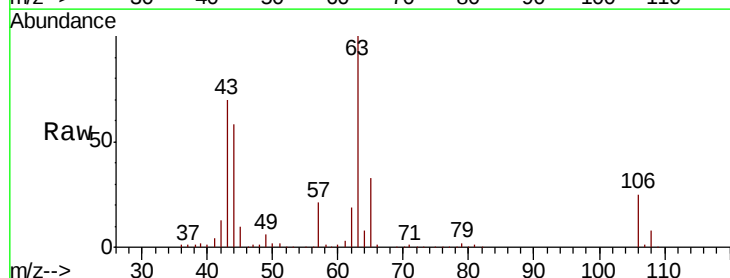
Acq: 11 May 2019 12:01

Tgt Ion: 63 Resp: 175820

Ion Ratio Lower Upper

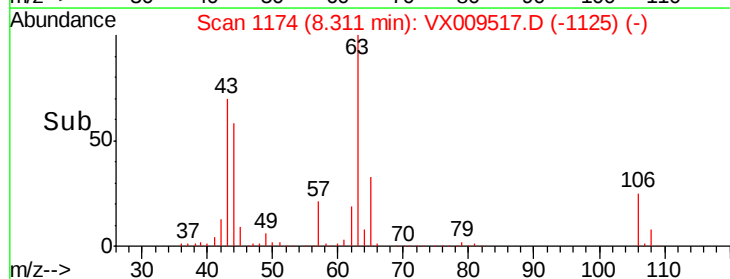
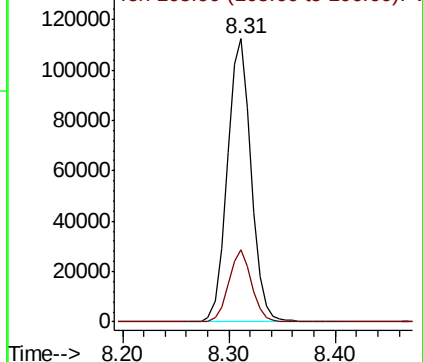
63 100

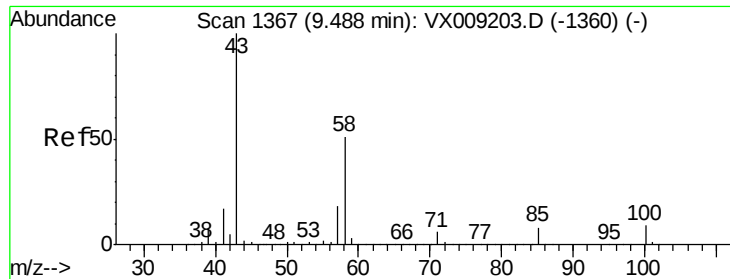
106 24.6 19.7 29.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

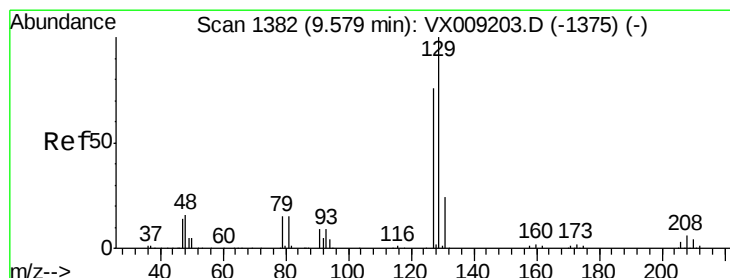
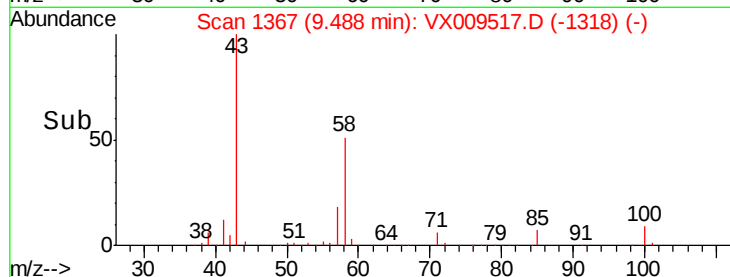
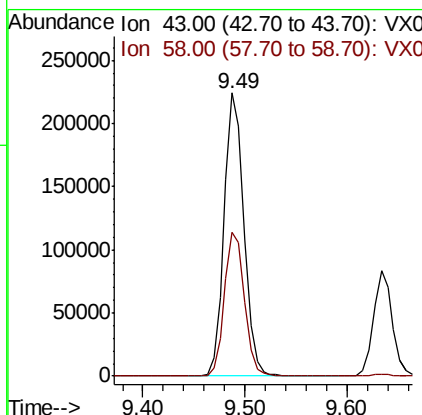
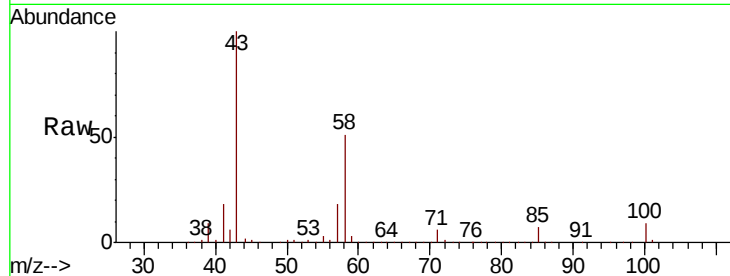




#59
2-Hexanone
Concen: 106.012 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

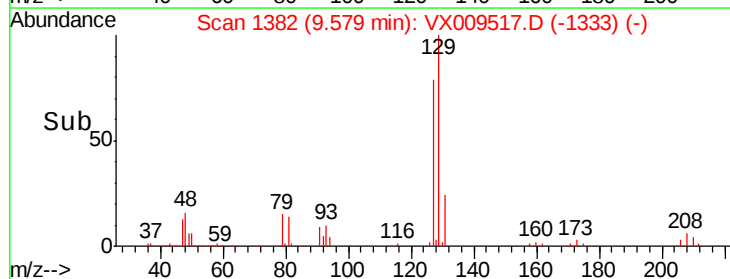
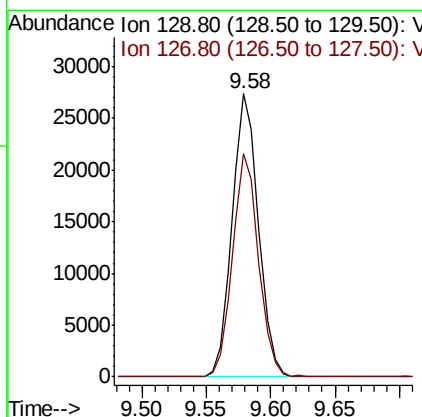
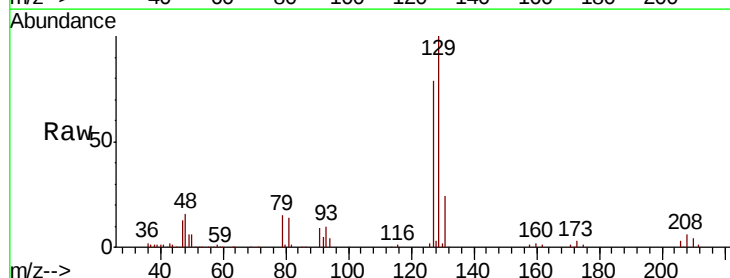
Instrument :
MSVOA_X
ClientSampleId :
VX0511WBS01

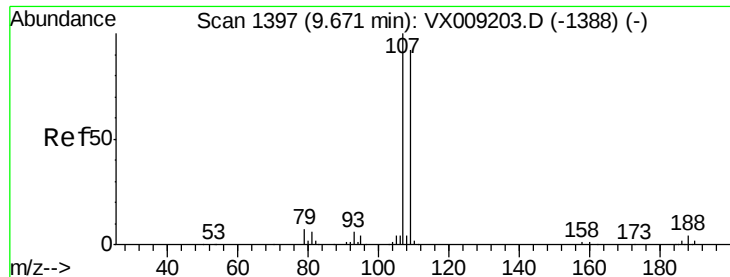
Tot Ion: 43 Resp: 301947
Ion Ratio Lower Upper
43 100
58 51.4 25.9 77.7



#60
Dibromochloromethane
Concen: 20.958 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

Tgt Ion:129 Resp: 39111
Ion Ratio Lower Upper
129 100
127 77.7 38.4 115.1





#61

1,2-Dibromoethane

Concen: 21.080 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

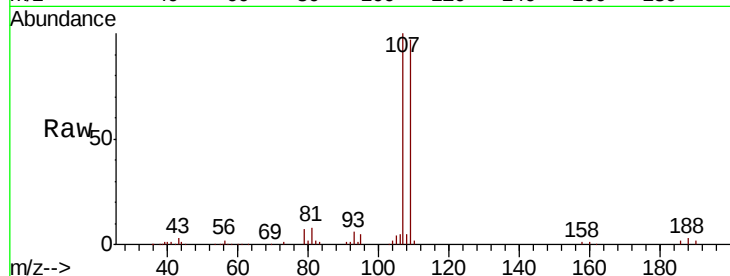
VX0511WBS01

Tot Ion:107 Resp: 40658

Ion Ratio Lower Upper

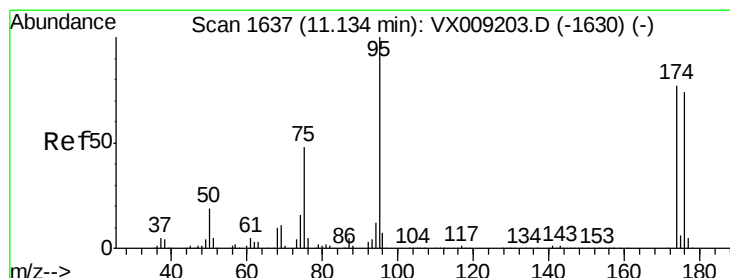
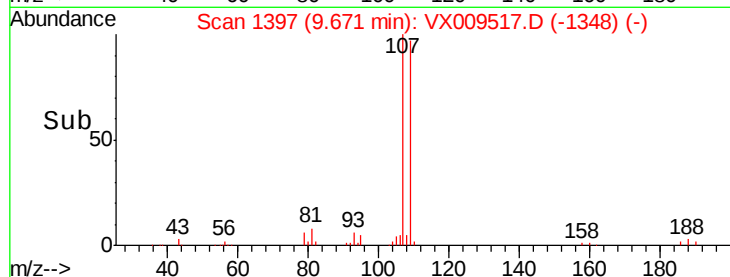
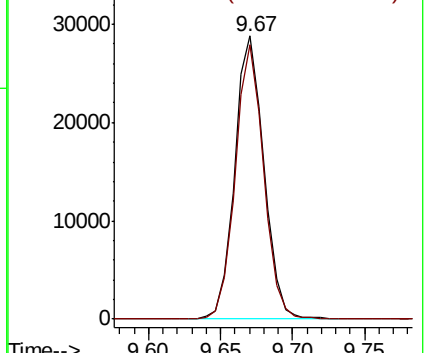
107 100

109 94.5 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.086 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

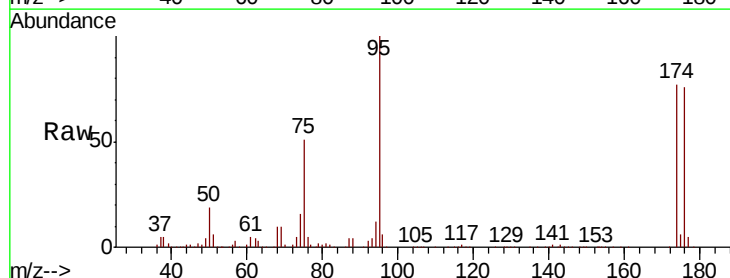
Tgt Ion: 95 Resp: 121269

Ion Ratio Lower Upper

95 100

174 82.4 0.0 161.6

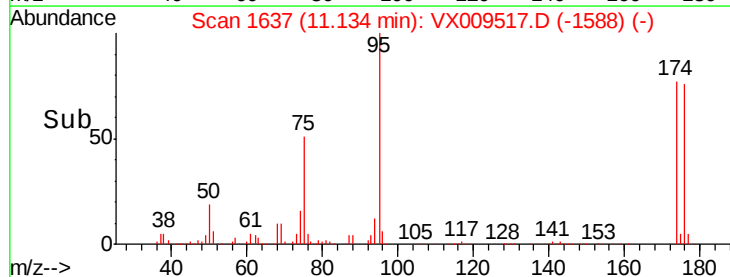
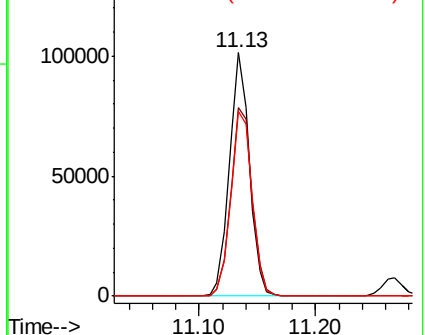
176 80.9 0.0 159.2

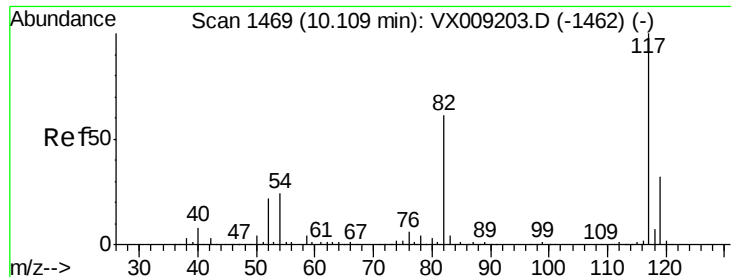


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

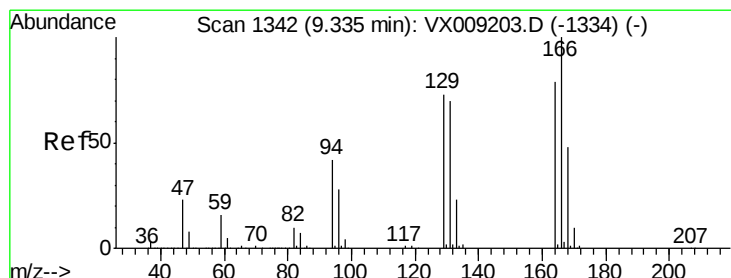
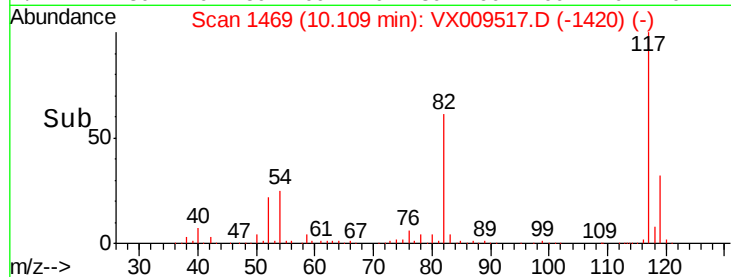
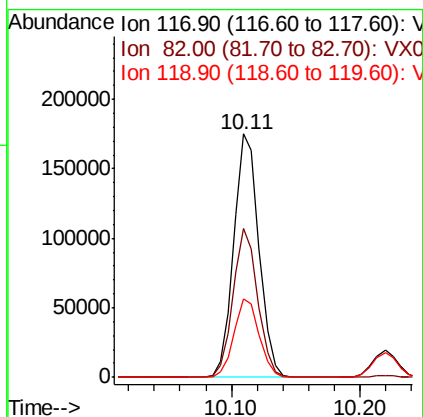
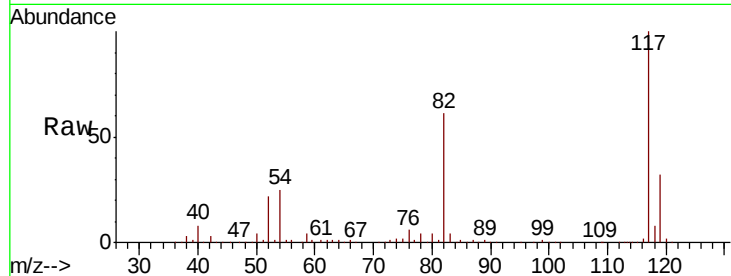




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

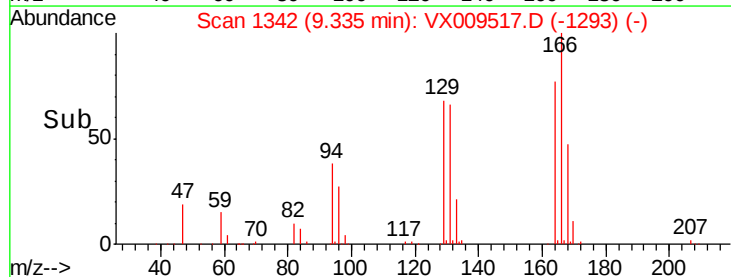
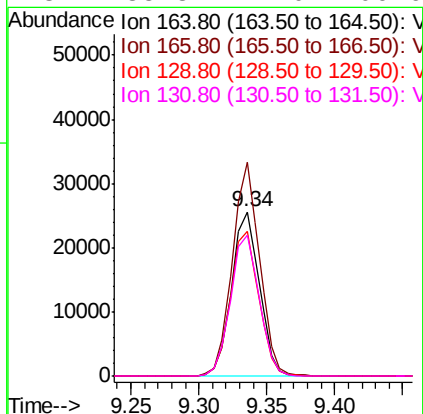
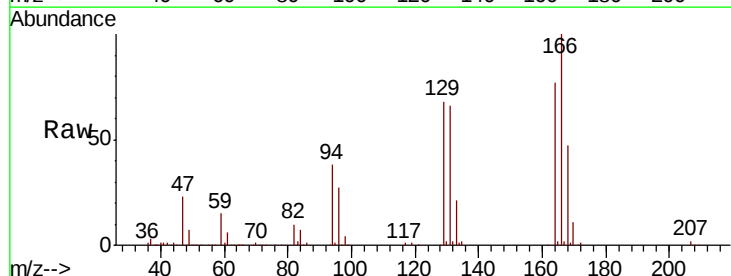
Instrument :
MSVOA_X
ClientSampleId :
VX0511WBS01

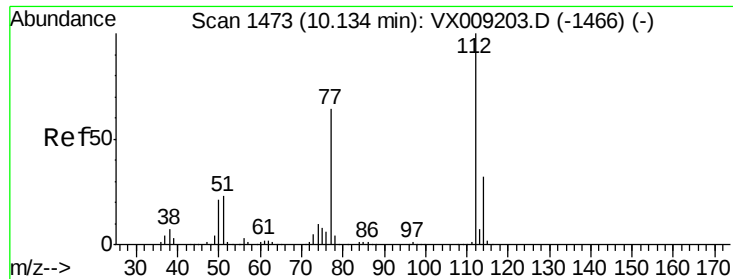
Tot Ion:117 Resp: 238750
Ion Ratio Lower Upper
117 100
82 61.2 48.8 73.2
119 32.3 25.8 38.6



#64
Tetrachloroethene
Concen: 22.224 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

Tgt Ion:164 Resp: 36396
Ion Ratio Lower Upper
164 100
166 130.0 101.2 151.8
129 88.4 74.3 111.5
131 85.8 71.0 106.6

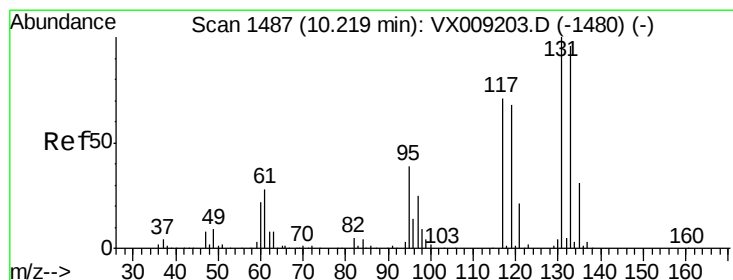
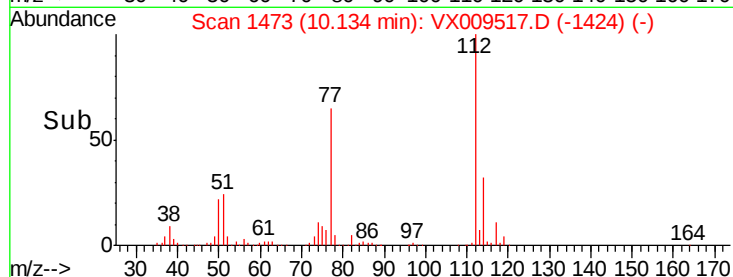
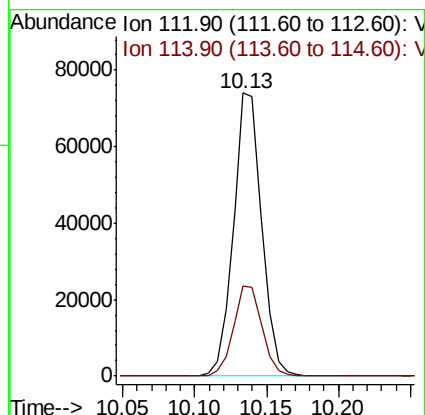
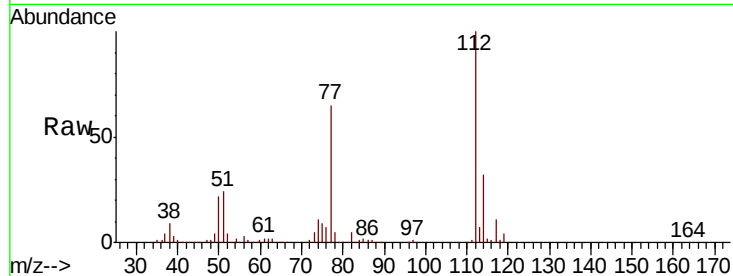




#65
Chlorobenzene
Concen: 21.290 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

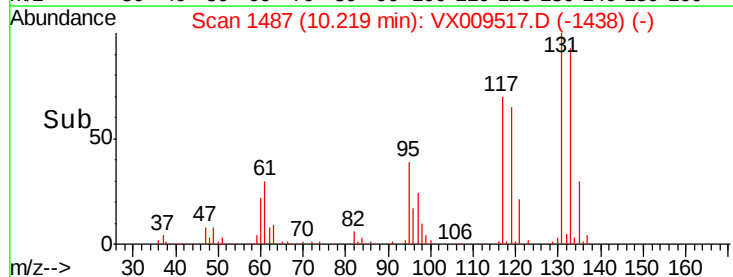
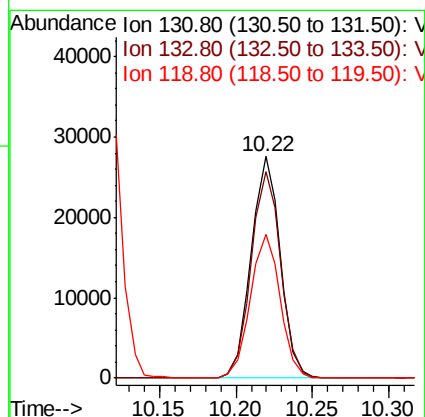
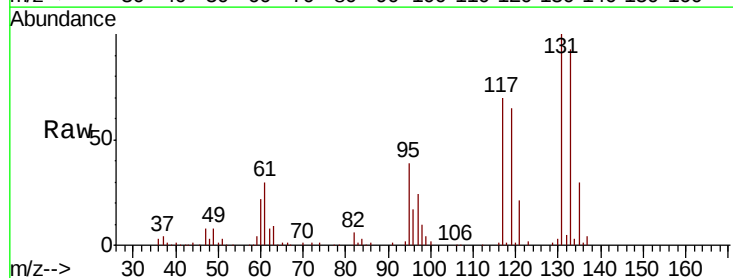
Instrument :
MSVOA_X
ClientSampleId :
VX0511WBS01

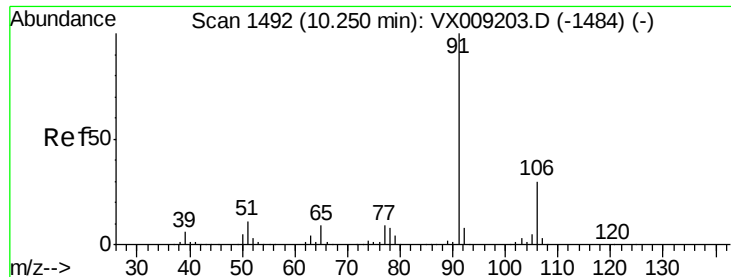
Tot Ion:112 Resp: 101684
Ion Ratio Lower Upper
112 100
114 31.8 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 21.075 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

Tgt Ion:131 Resp: 36492
Ion Ratio Lower Upper
131 100
133 94.9 47.7 143.1
119 66.3 33.5 100.4

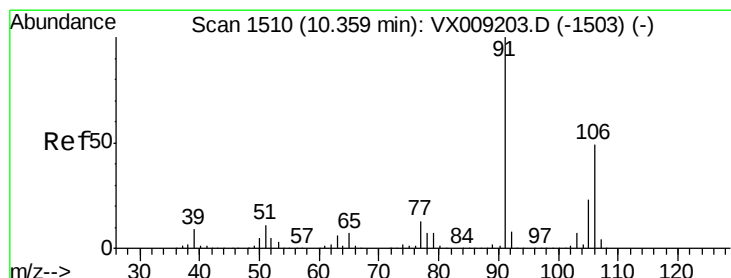
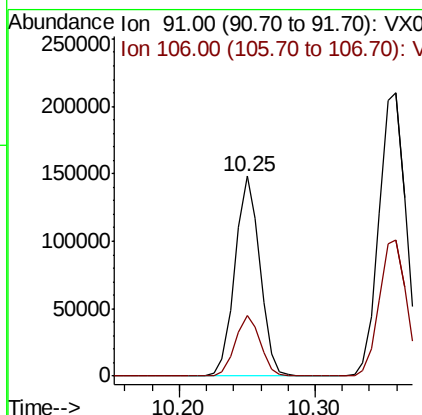
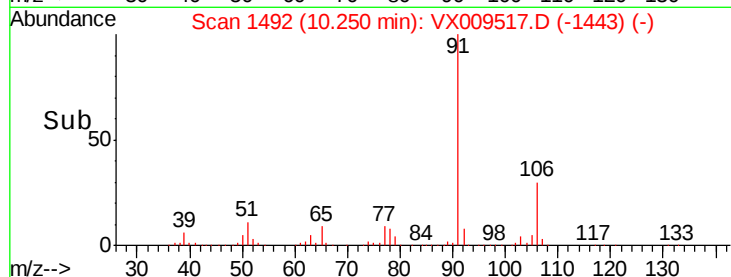
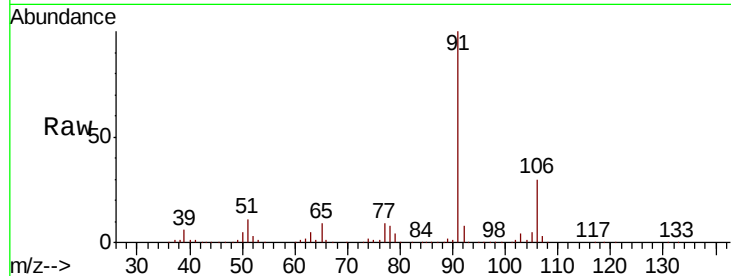




#67
Ethyl Benzene
Concen: 21.512 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

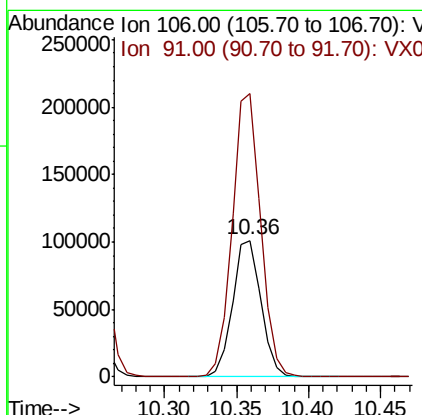
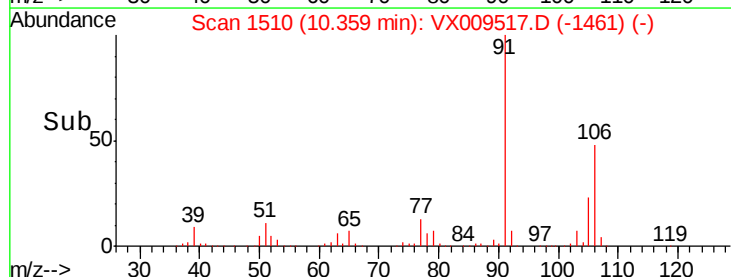
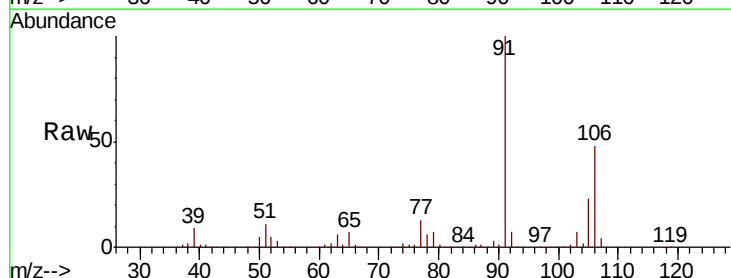
Instrument :
MSVOA_X
ClientSampleId :
VX0511WBS01

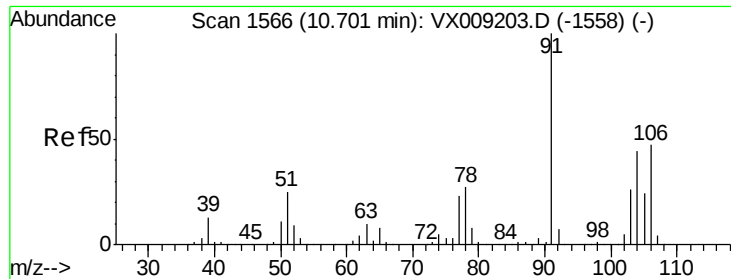
Tot Ion: 91 Resp: 189084
Ion Ratio Lower Upper
91 100
106 30.4 24.0 36.0



#68
m/p-Xylenes
Concen: 43.625 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

Tgt Ion: 106 Resp: 140125
Ion Ratio Lower Upper
106 100
91 207.5 164.0 246.0

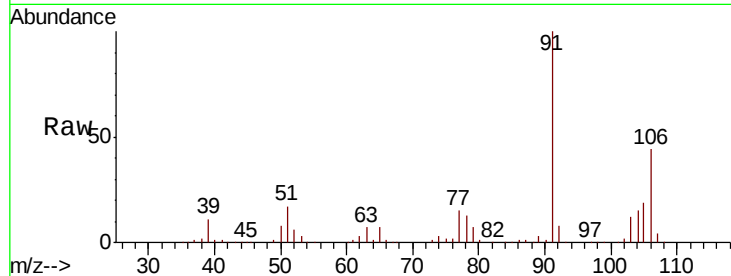




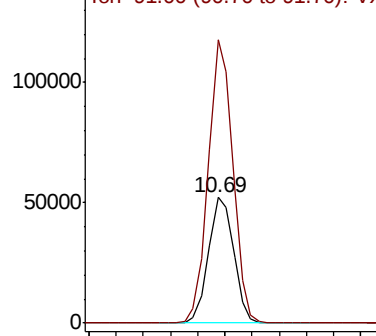
#69
o-Xylene
Concen: 21.433 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

Instrument :
MSVOA_X
ClientSampleId :
VX0511WBS01

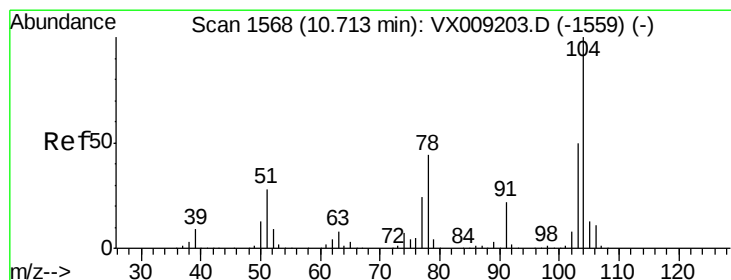
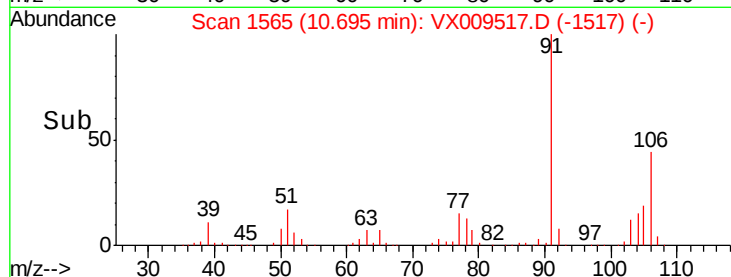
Tot Ion:106 Resp: 67925
Ion Ratio Lower Upper
106 100
91 218.9 109.5 328.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

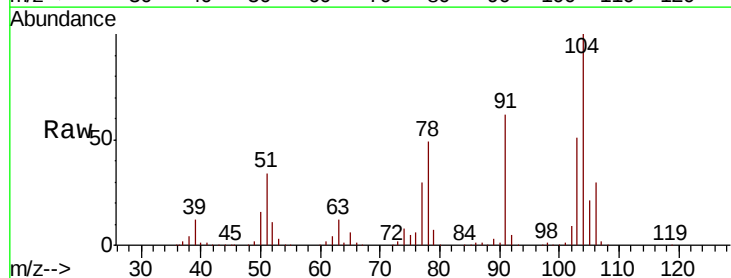


Time--> 10.60 10.70

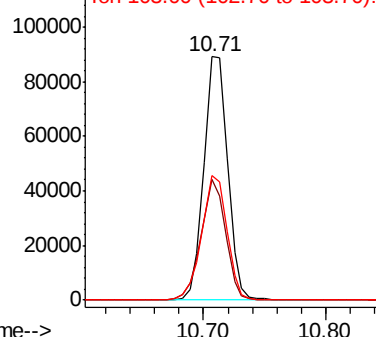


#70
Styrene
Concen: 21.752 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

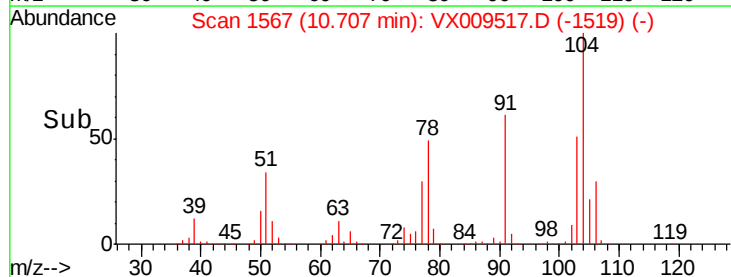
Tgt Ion:104 Resp: 119818
Ion Ratio Lower Upper
104 100
78 51.1 41.0 61.4
103 54.6 43.8 65.6

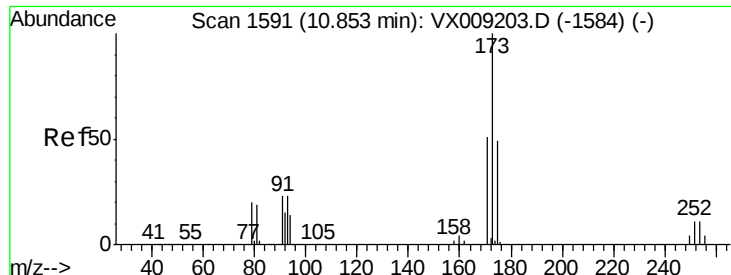


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V



Time--> 10.70 10.80





#71

Bromoform

Concen: 20.683 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

VX0511WBS01

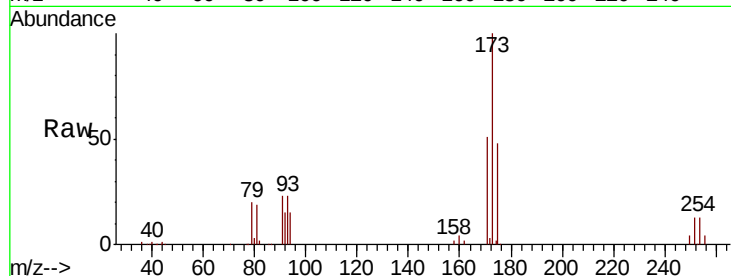
Tot Ion:173 Resp: 29103

Ion Ratio Lower Upper

173 100

175 49.3 24.5 73.5

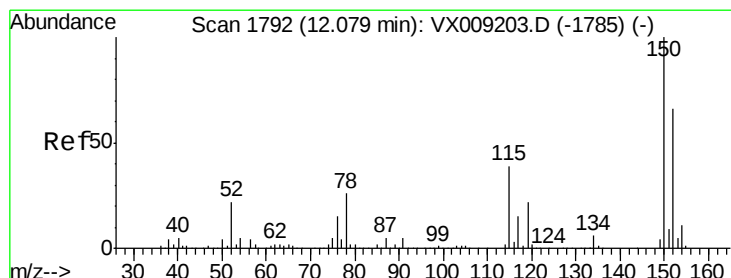
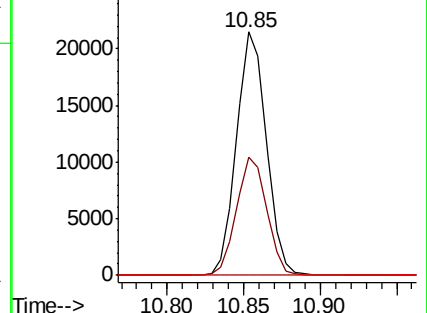
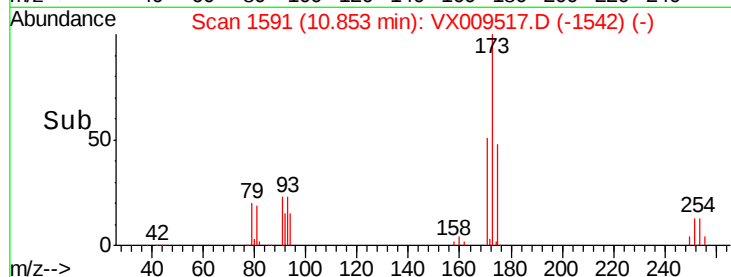
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

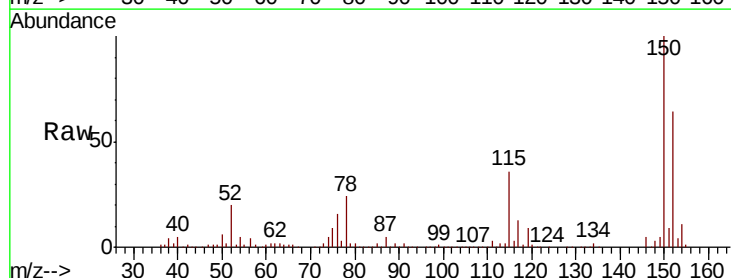
Tgt Ion:152 Resp: 118145

Ion Ratio Lower Upper

152 100

115 68.9 41.2 123.6

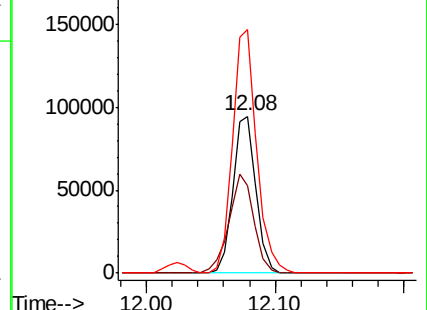
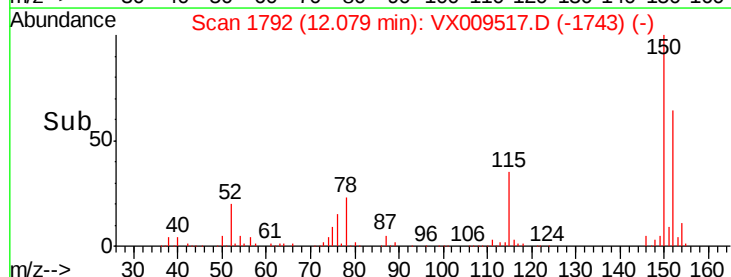
150 163.2 0.0 346.4

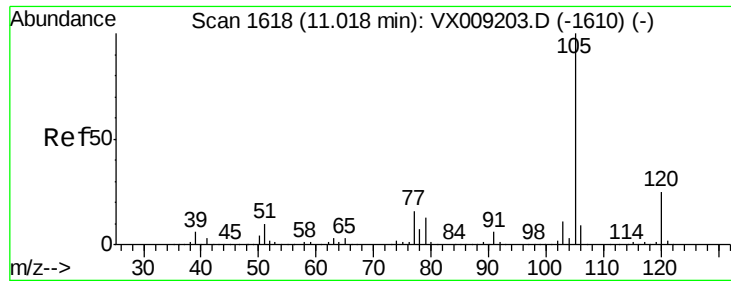


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.321 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

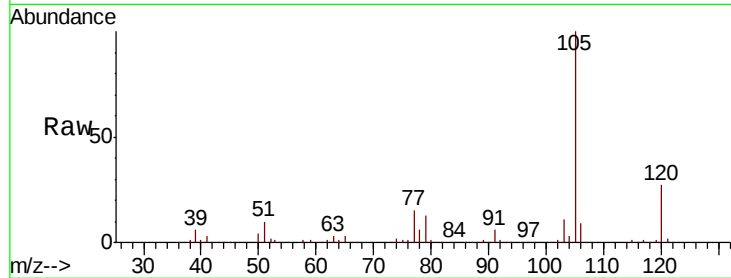
VX0511WBS01

Tot Ion:105 Resp: 183177

Ion Ratio Lower Upper

105 100

120 25.9 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

150000

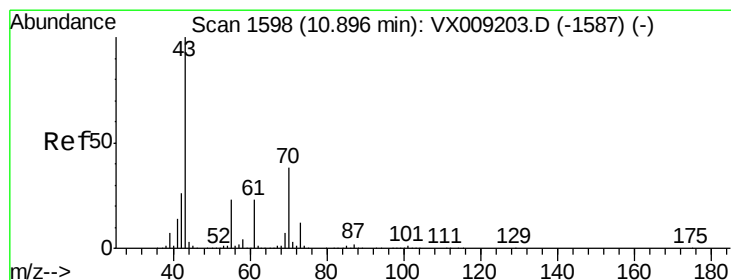
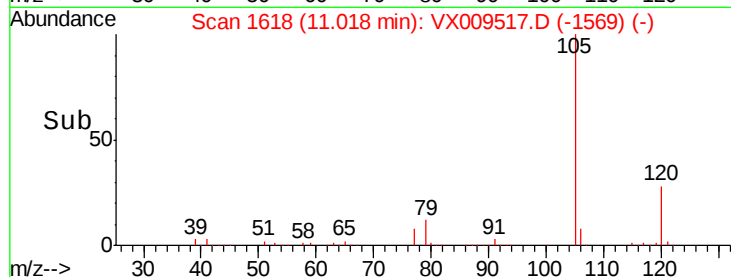
100000

50000

0

Time-->

11.00 11.10



#74

N-ethyl acetate

Concen: 20.890 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Tgt Ion: 43 Resp: 104636

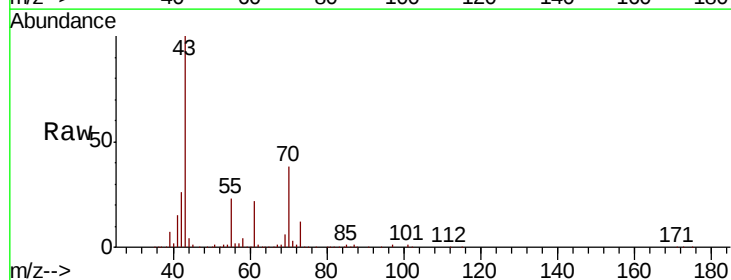
Ion Ratio Lower Upper

43 100

70 37.3 30.0 45.0

55 23.0 17.9 26.9

61 22.5 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

10.90

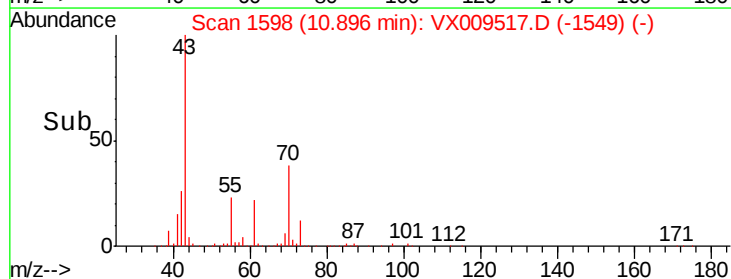
100000

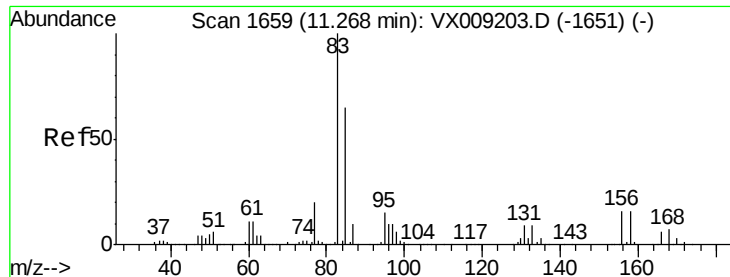
50000

0

Time-->

10.80 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 20.613 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

VX0511WBS01

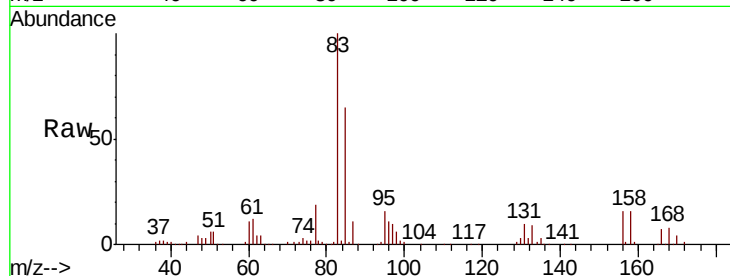
Tot Ion: 83 Resp: 66019

Ion Ratio Lower Upper

83 100

131 9.7 4.6 13.8

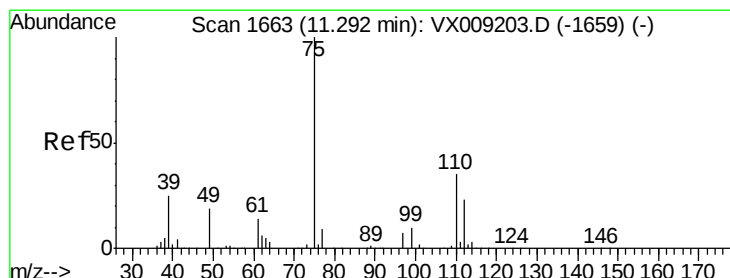
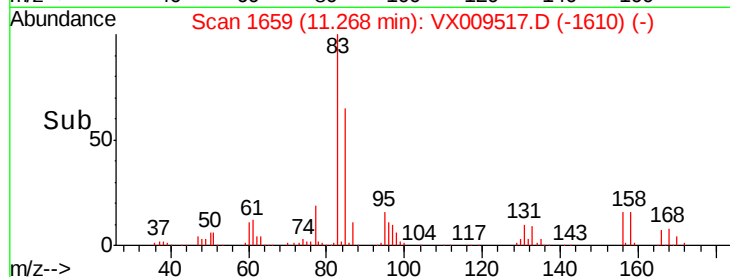
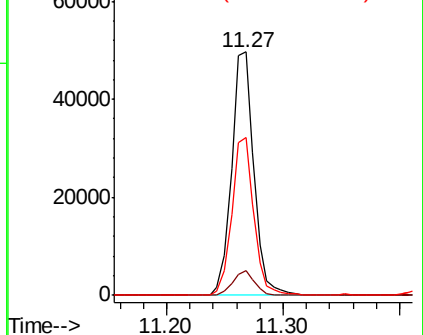
85 64.4 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 27.888 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX009517.D

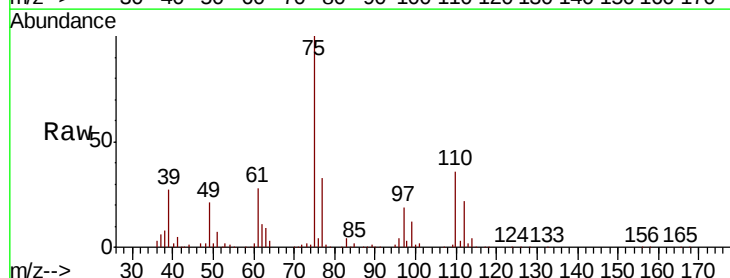
Acq: 11 May 2019 12:01

Tgt Ion: 75 Resp: 76428

Ion Ratio Lower Upper

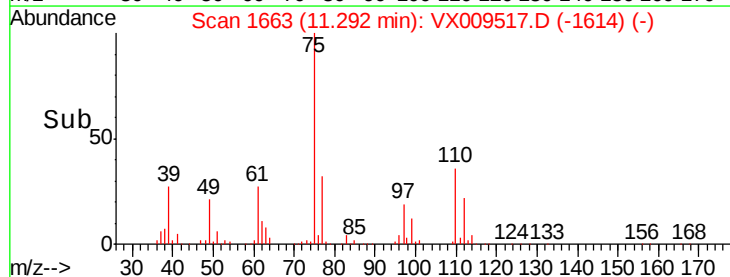
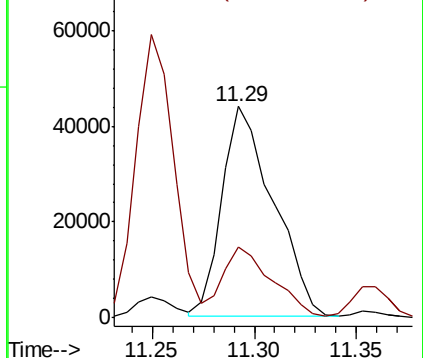
75 100

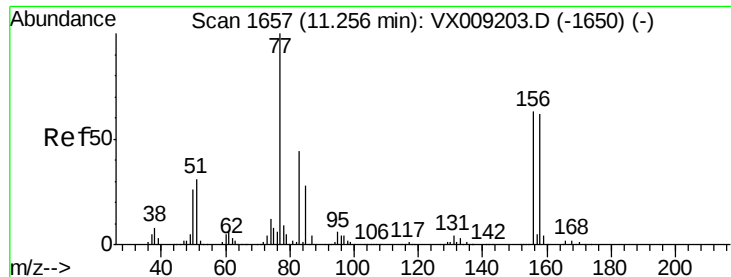
77 32.5 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.954 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

VX0511WBS01

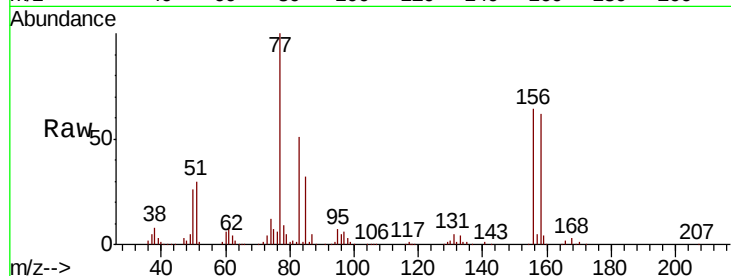
Tot Ion:156 Resp: 44682

Ion Ratio Lower Upper

156 100

77 171.0 84.8 254.3

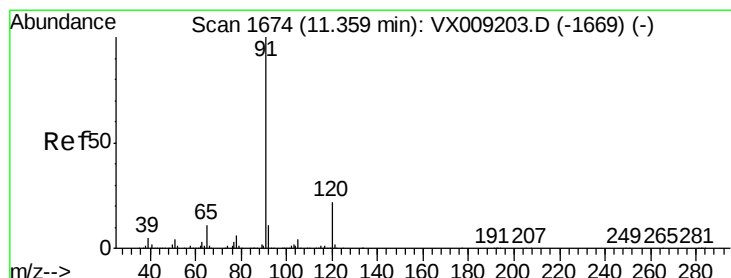
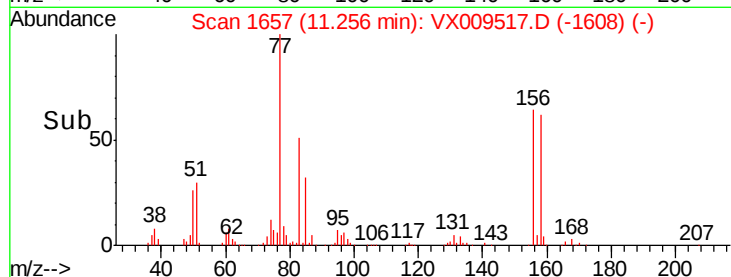
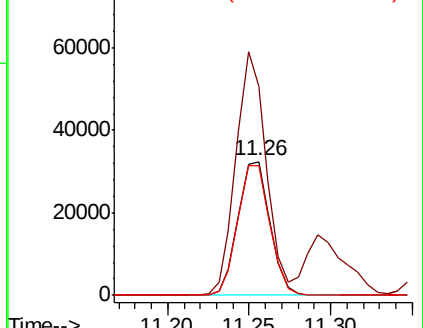
158 97.7 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.148 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009517.D

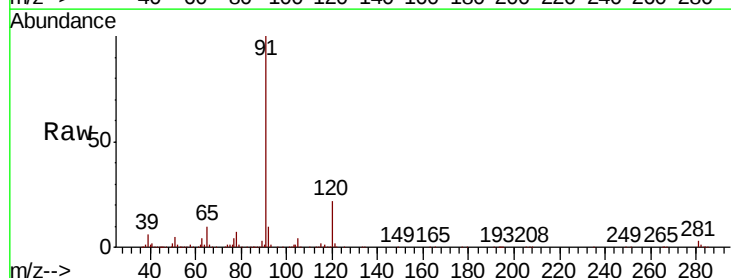
Acq: 11 May 2019 12:01

Tgt Ion: 91 Resp: 207502

Ion Ratio Lower Upper

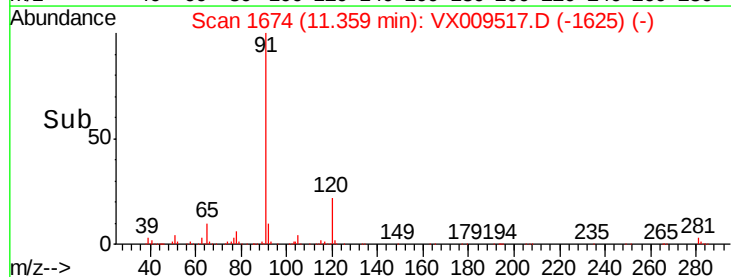
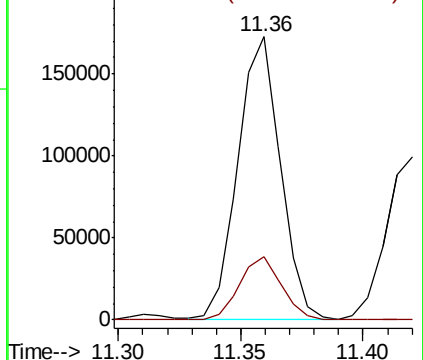
91 100

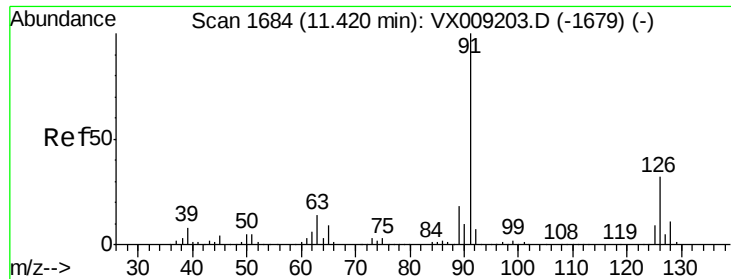
120 22.4 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

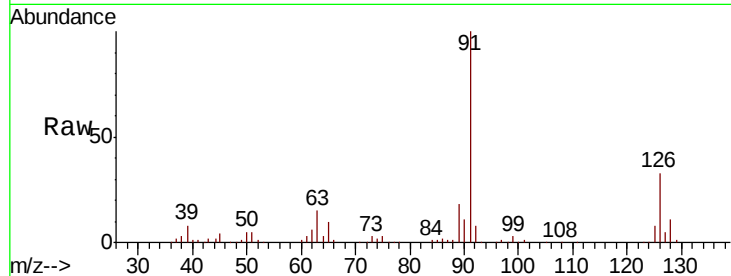




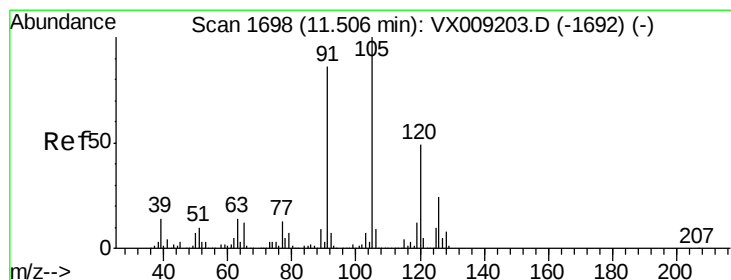
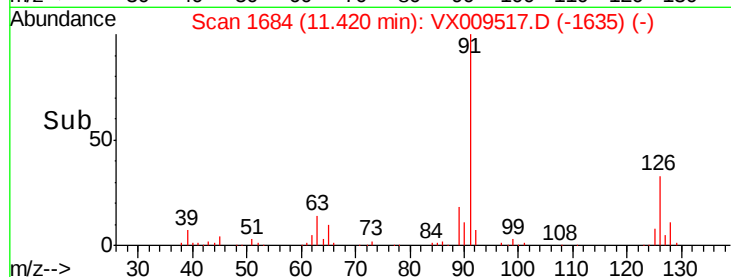
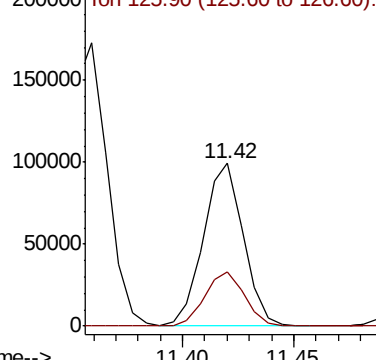
#79
 2-Chlorotoluene
 Concen: 20.349 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX009517.D
 Acq: 11 May 2019 12:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511WBS01

Tot Ion: 91 Resp: 123181
 Ion Ratio Lower Upper
 91 100
 126 33.4 16.3 48.9

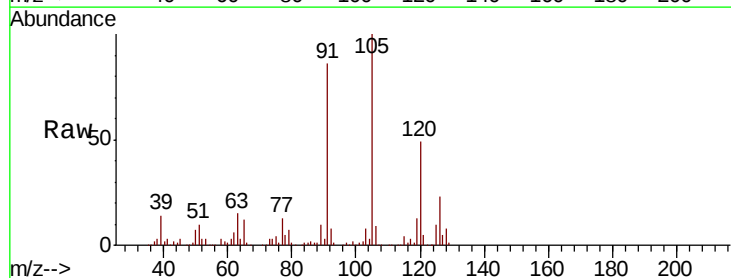


Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 125.90 (125.60 to 126.60): V

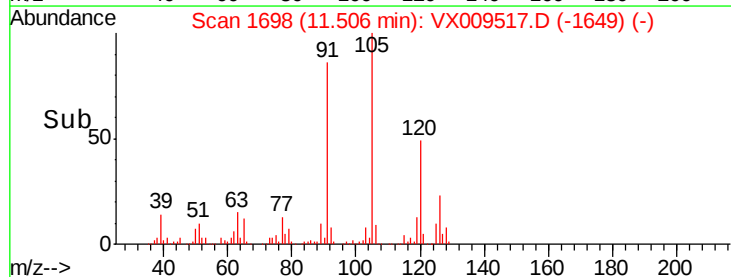
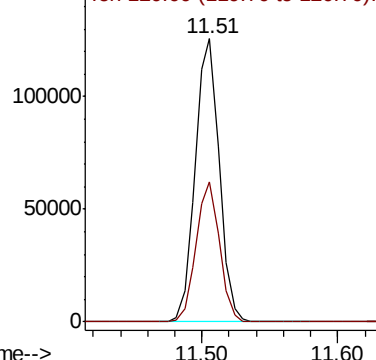


#80
 1,3,5-Trimethylbenzene
 Concen: 21.244 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX009517.D
 Acq: 11 May 2019 12:01

Tgt Ion:105 Resp: 153676
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.3 72.9



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: 19.972 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

VX0511WBS01

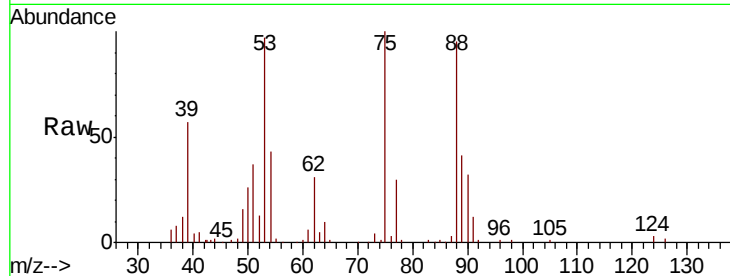
Tot Ion: 75 Resp: 21392

Ion Ratio Lower Upper

75 100

53 103.3 79.0 118.6

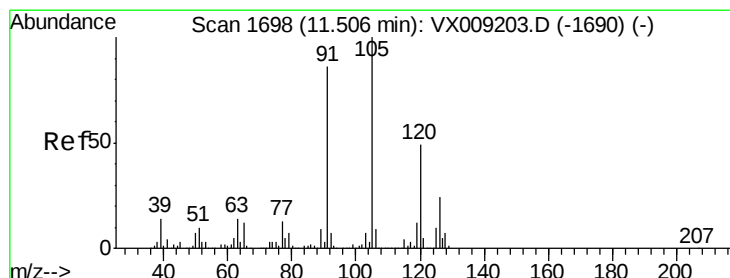
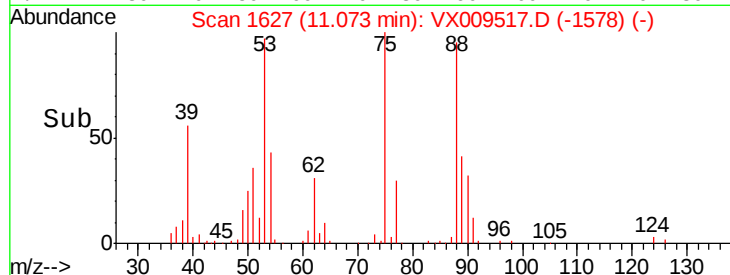
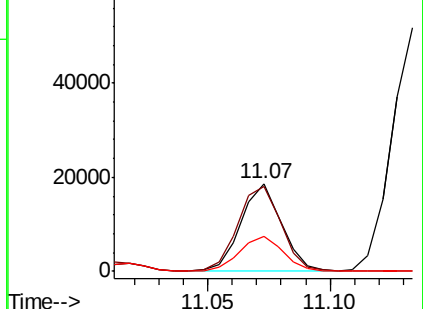
89 44.4 34.7 52.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 21.030 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009517.D

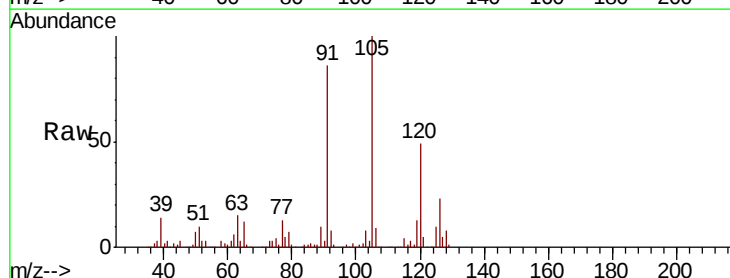
Acq: 11 May 2019 12:01

Tgt Ion: 91 Resp: 143814

Ion Ratio Lower Upper

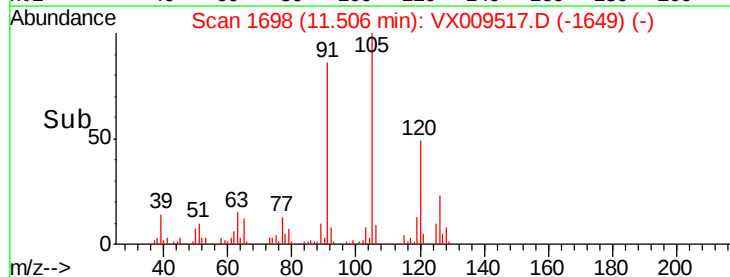
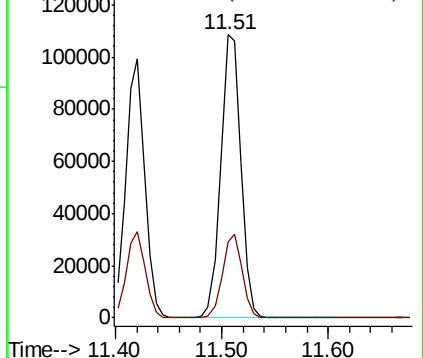
91 100

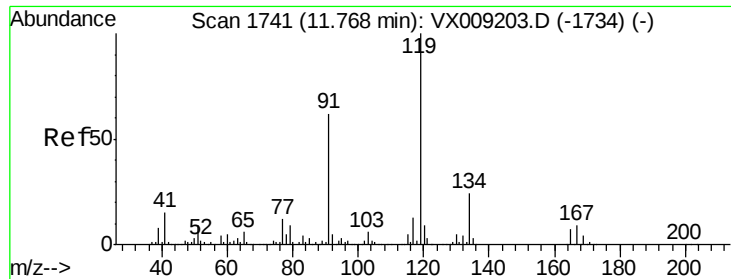
126 28.5 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

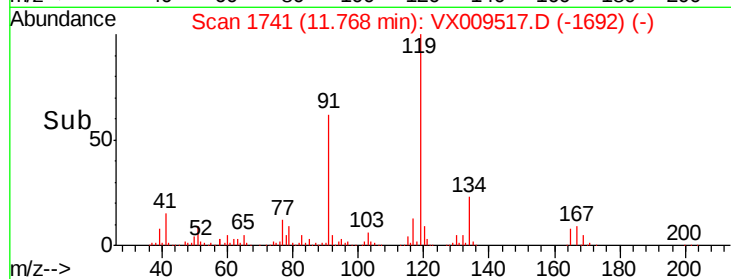
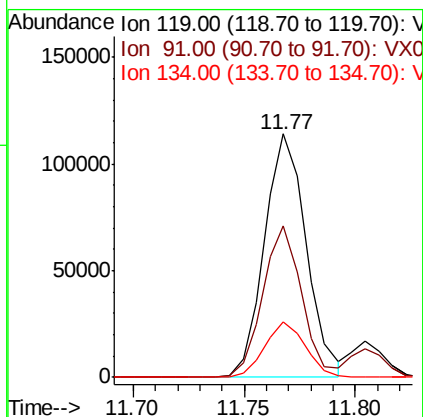
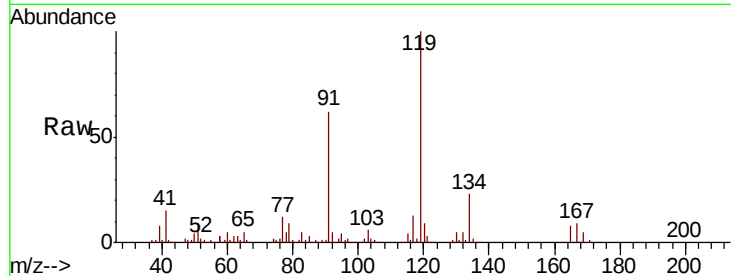




#83
tert-Butylbenzene
Concen: 21.132 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

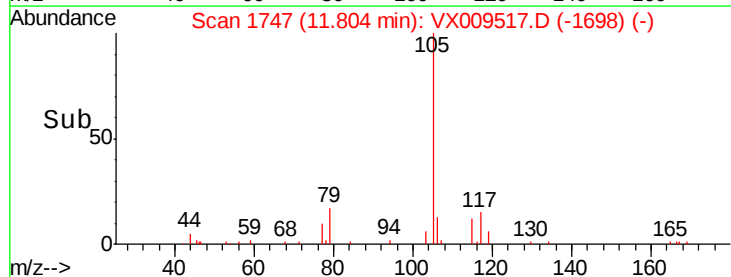
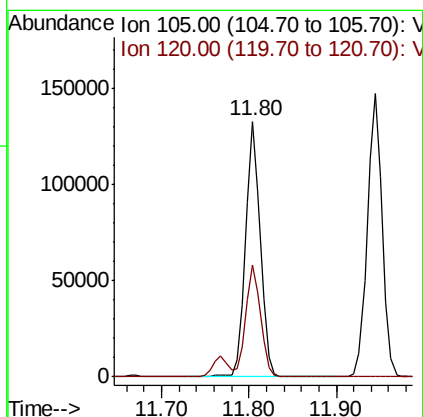
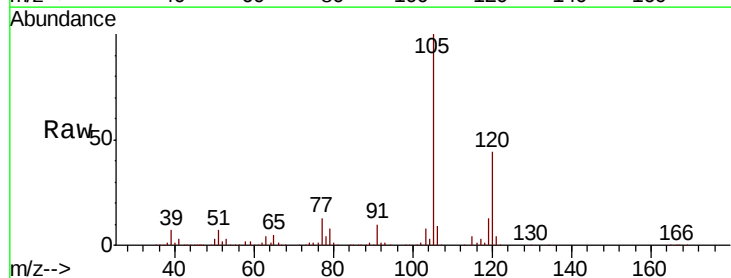
Instrument :
MSVOA_X
ClientSampleId :
VX0511WBS01

Tot Ion:119 Resp: 148707
Ion Ratio Lower Upper
119 100
91 58.5 29.5 88.5
134 22.2 11.4 34.1



#84
1,2,4-Trimethylbenzene
Concen: 21.352 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

Tgt Ion:105 Resp: 155039
Ion Ratio Lower Upper
105 100
120 44.4 22.0 66.0





#85

sec-Butylbenzene

Concen: 20.965 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

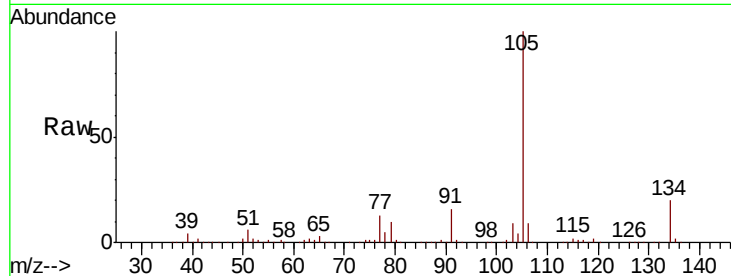
VX0511WBS01

Tot Ion:105 Resp: 174913

Ion Ratio Lower Upper

105 100

134 19.6 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

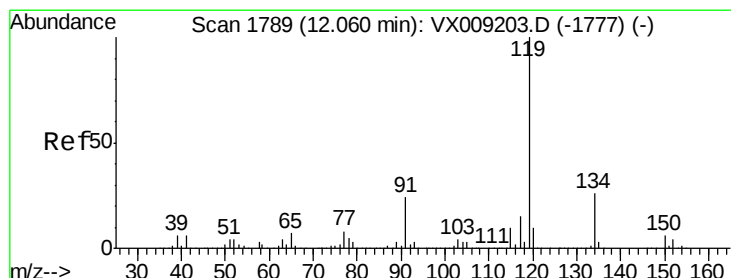
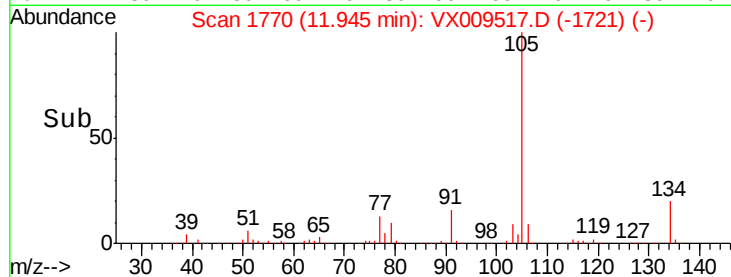
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.282 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

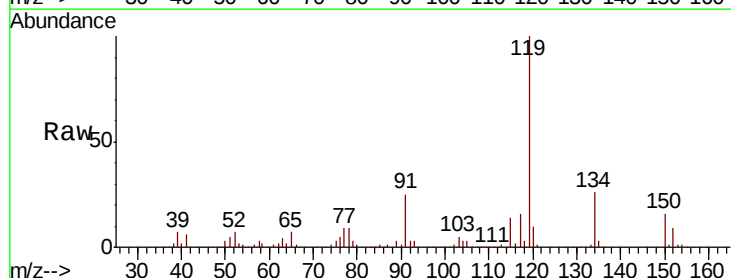
Tgt Ion:119 Resp: 159625

Ion Ratio Lower Upper

119 100

134 26.2 12.9 38.7

91 23.9 11.8 35.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.06

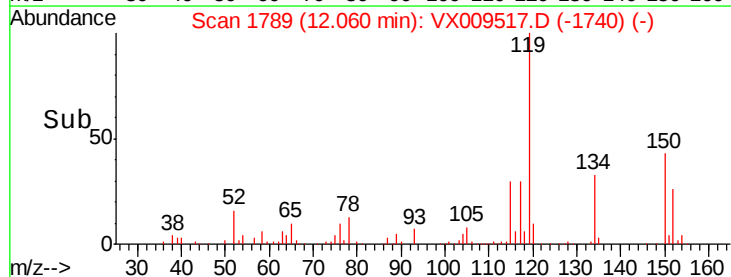
150000

100000

50000

0

Time-->

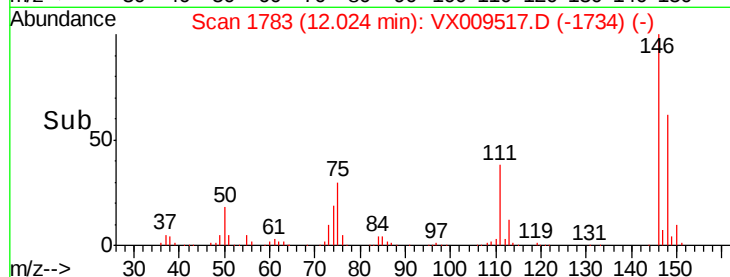
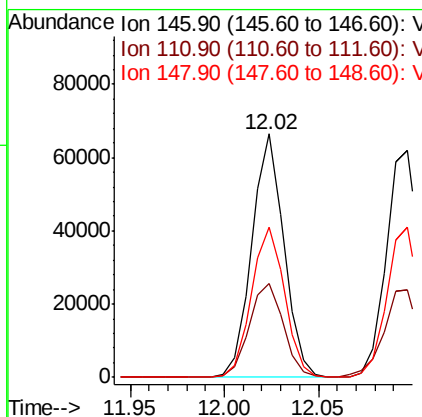
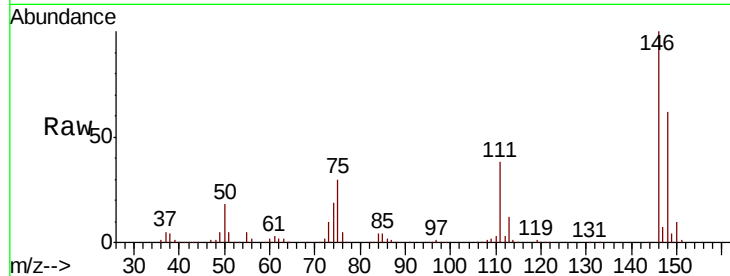




#87
 1,3-Dichlorobenzene
 Concen: 20.701 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009517.D
 Acq: 11 May 2019 12:01

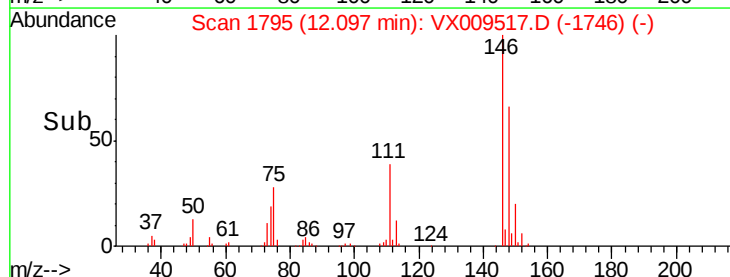
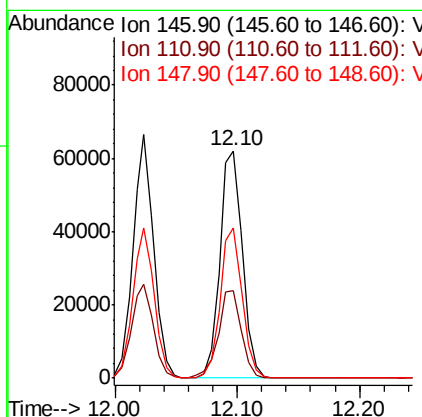
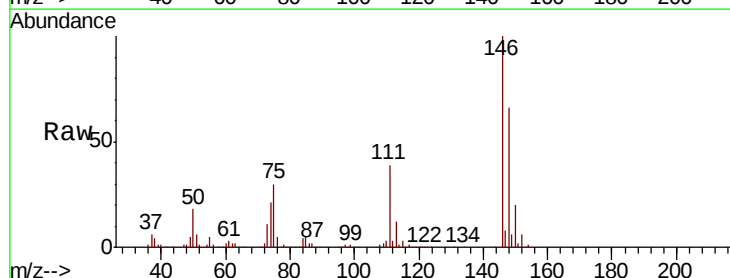
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511WBS01

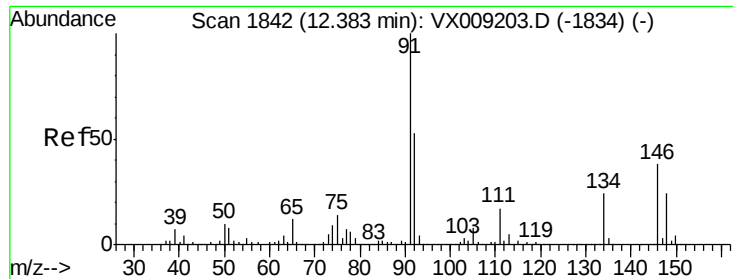
Tot Ion:146 Resp: 78694
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.0 59.9
 148 63.8 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 20.703 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009517.D
 Acq: 11 May 2019 12:01

Tgt Ion:146 Resp: 79346
 Ion Ratio Lower Upper
 146 100
 111 40.1 19.6 58.8
 148 64.6 31.8 95.3

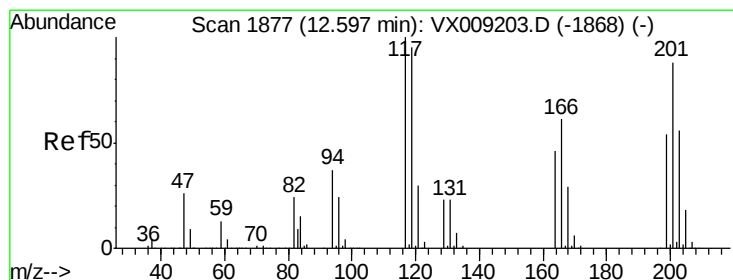
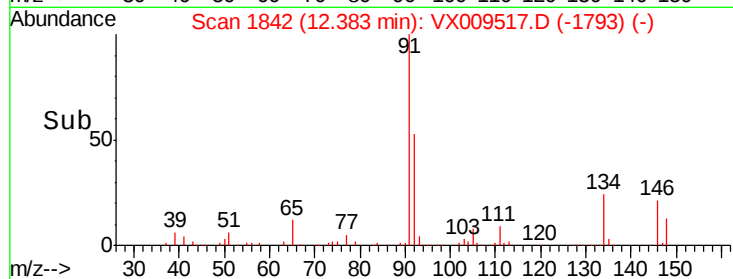
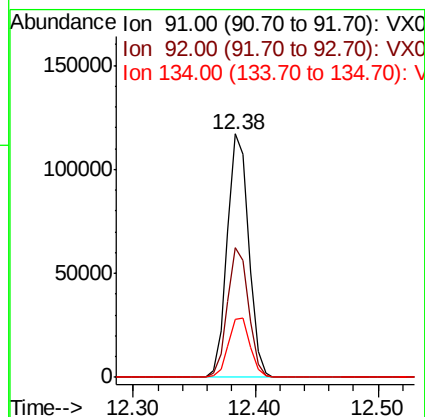
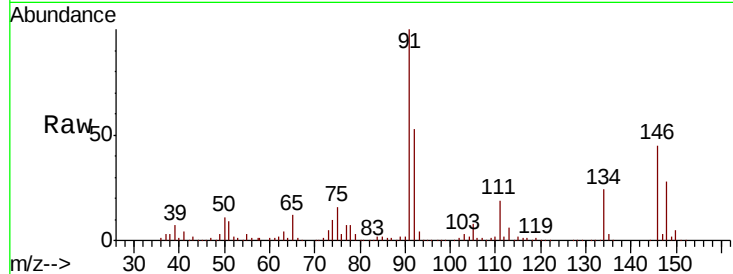




#89
n-Butylbenzene
Concen: 20.870 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

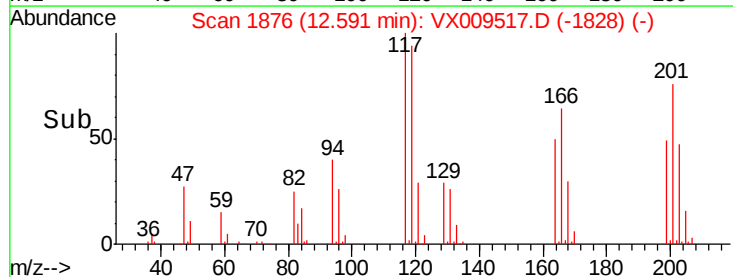
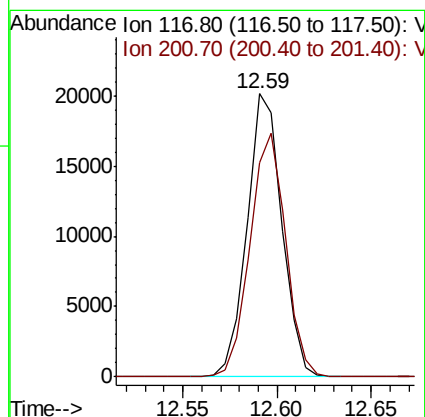
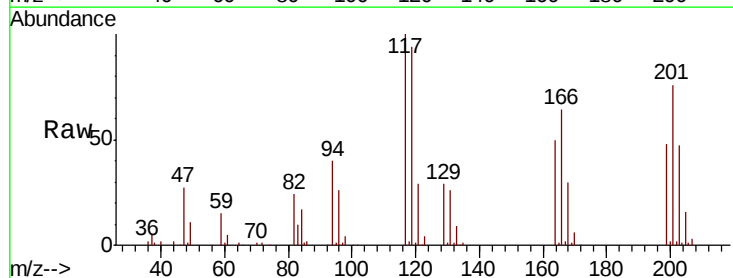
Instrument :
MSVOA_X
ClientSampleId :
VX0511WBS01

Tot Ion: 91 Resp: 141482
Ion Ratio Lower Upper
91 100
92 52.6 26.5 79.5
134 24.8 12.4 37.2



#90
Hexachloroethane
Concen: 20.220 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

Tgt Ion: 117 Resp: 25838
Ion Ratio Lower Upper
117 100
201 87.7 42.3 126.9

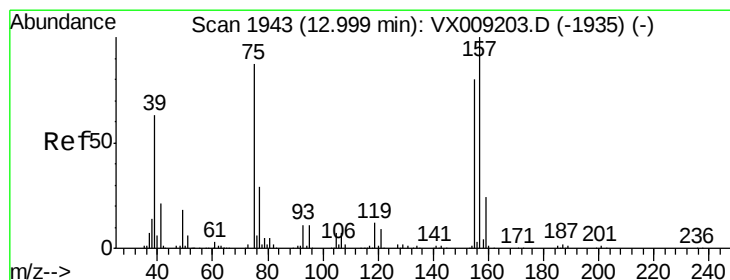
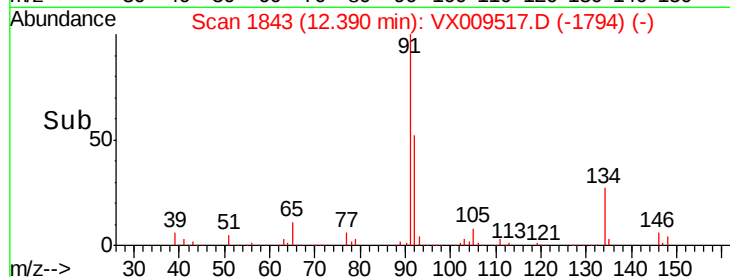
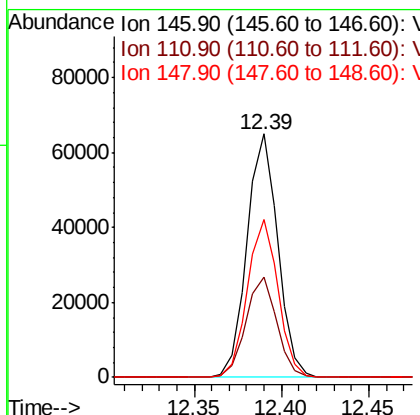
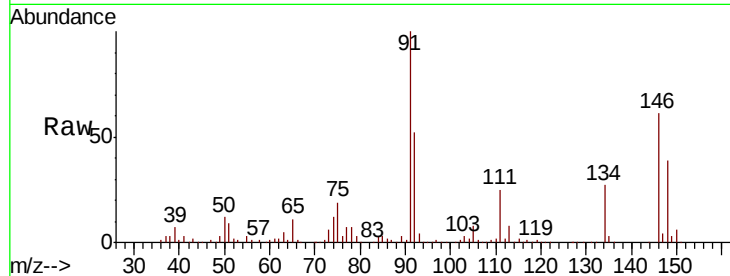




#91
 1,2-Dichlorobenzene
 Concen: 20.625 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009517.D
 Acq: 11 May 2019 12:01

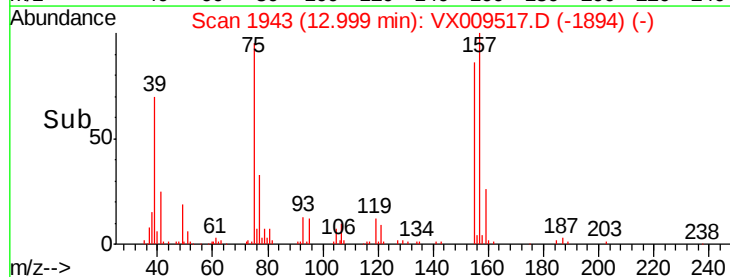
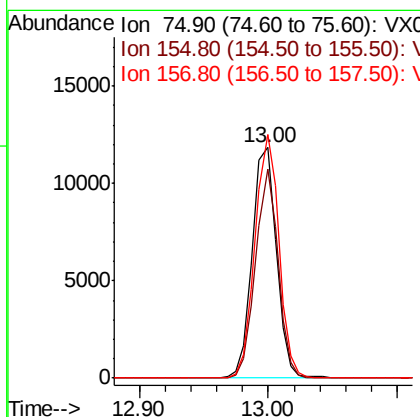
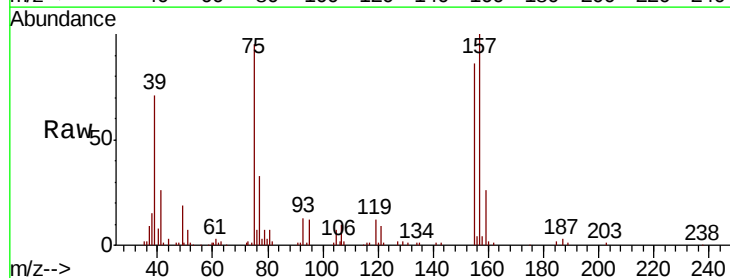
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511WBS01

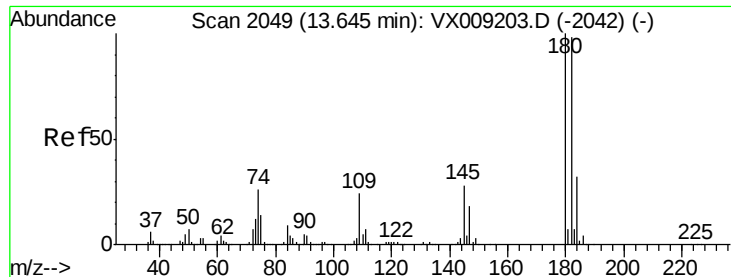
Tot Ion:146 Resp: 79859
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.8 62.4
 148 64.7 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.262 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009517.D
 Acq: 11 May 2019 12:01

Tgt Ion: 75 Resp: 15276
 Ion Ratio Lower Upper
 75 100
 155 84.3 42.0 126.0
 157 103.8 53.2 159.6

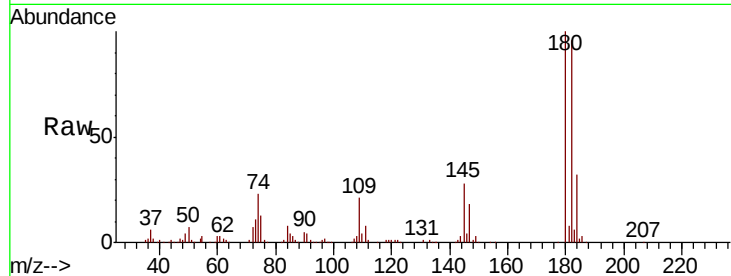




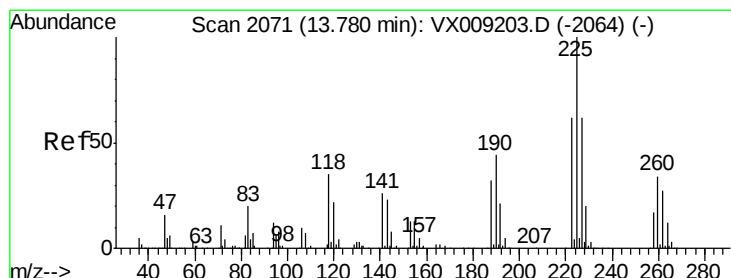
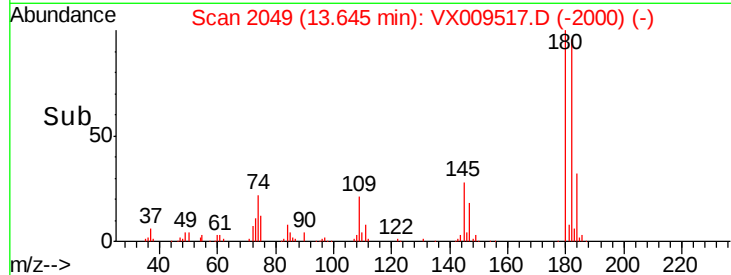
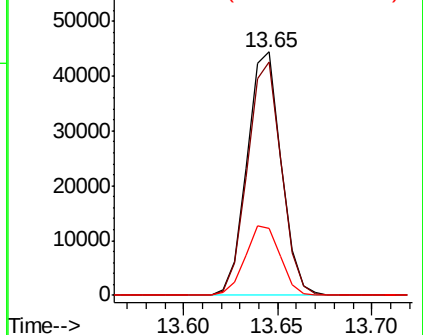
#93
 1,2,4-Trichlorobenzene
 Concen: 21.045 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009517.D
 Acq: 11 May 2019 12:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511WBS01

Tot Ion:180 Resp: 55721
 Ion Ratio Lower Upper
 180 100
 182 95.5 48.4 145.2
 145 29.2 14.6 43.8

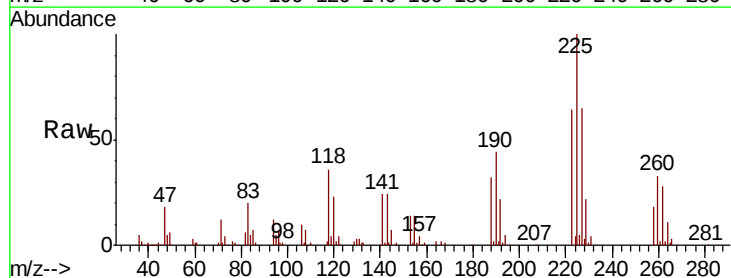


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

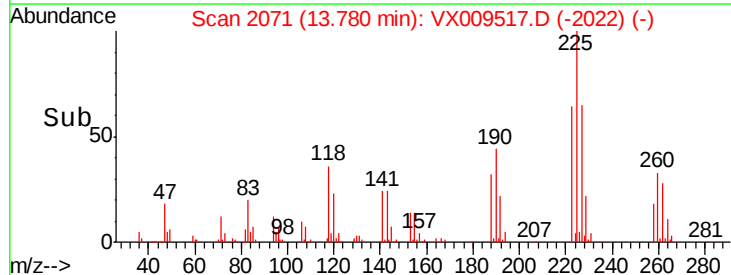
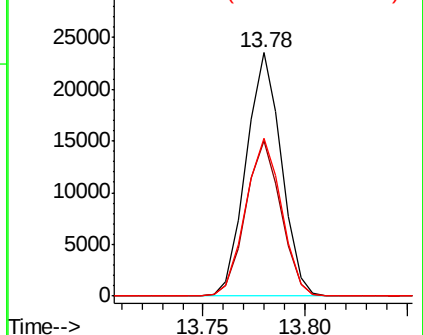


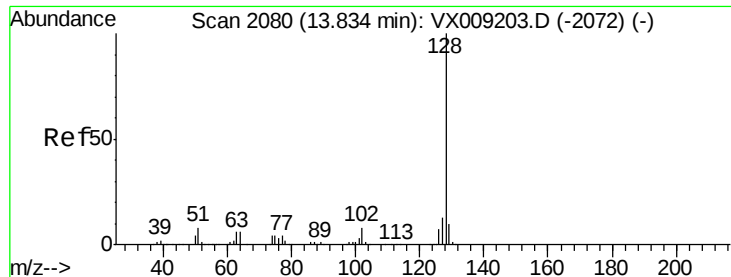
#94
 Hexachlorobutadiene
 Concen: 20.905 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009517.D
 Acq: 11 May 2019 12:01

Tgt Ion:225 Resp: 28266
 Ion Ratio Lower Upper
 225 100
 223 63.8 31.3 93.8
 227 65.8 31.8 95.3



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





#95

Naphthalene

Concen: 21.254 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

VX0511WBS01

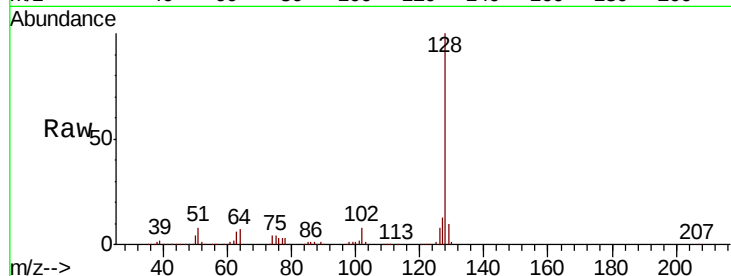
Tot Ion:128 Resp: 183091

Ion Ratio Lower Upper

128 100

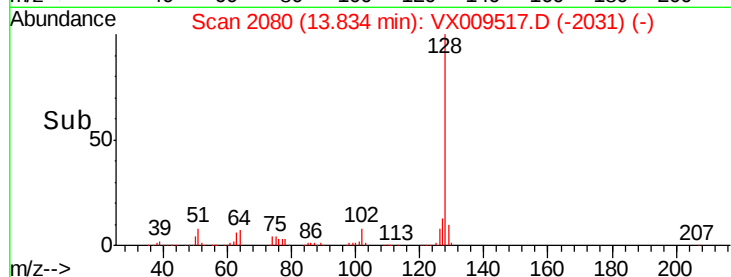
127 13.3 10.4 15.6

129 10.8 8.6 13.0

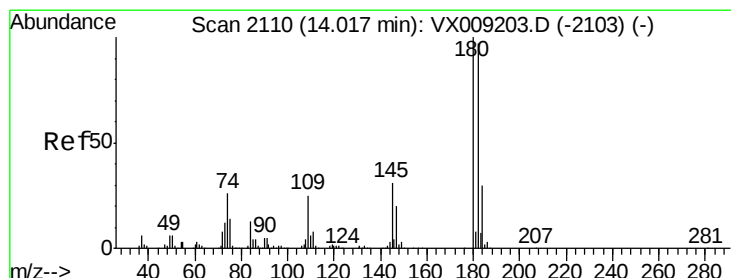


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

13.83



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 21.606 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

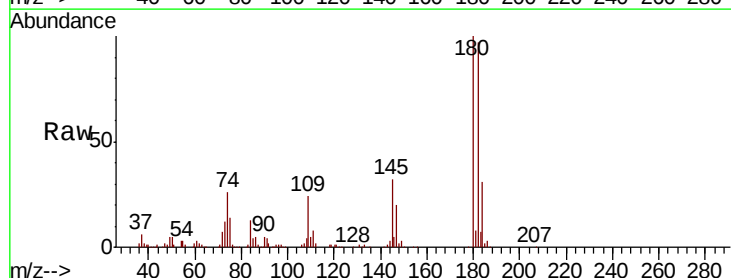
Tgt Ion:180 Resp: 57989

Ion Ratio Lower Upper

180 100

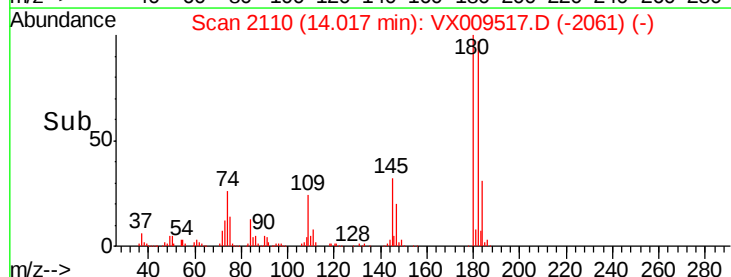
182 95.6 47.8 143.4

145 30.6 15.4 46.4



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

14.02



Time-->