

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050919\
 Data File : VX009418.D
 Acq On : 09 May 2019 11:31
 Operator : JC/SP
 Sample : VX0509WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 10 07:05:09 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	5.65	168	172001	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.85	114	268648	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	242003	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	119356	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	119177	50.76	ug/l	0.00
Spiked Amount						
			Recovery	=	101.52%	
35) Dibromofluoromethane	5.49	113	88822	52.59	ug/l	0.00
Spiked Amount						
			Recovery	=	105.18%	
50) Toluene-d8	8.71	98	358606	52.60	ug/l	0.00
Spiked Amount						
			Recovery	=	105.20%	
62) 4-Bromofluorobenzene	11.13	95	130402	52.63	ug/l	0.00
Spiked Amount						
			Recovery	=	105.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	29218	18.434	ug/l	100
3) Chloromethane	1.32	50	41997	19.408	ug/l	100
4) Vinyl Chloride	1.40	62	41169	19.510	ug/l	98
5) Bromomethane	1.64	94	23938	18.901	ug/l	94
6) Chloroethane	1.72	64	26213	19.349	ug/l	100
7) Trichlorofluoromethane	1.93	101	51459	20.062	ug/l	98
8) Diethyl Ether	2.18	74	23676	19.487	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	32152	19.961	ug/l	98
10) Methyl Iodide	2.51	142	32652	20.438	ug/l	99
11) Tert butyl alcohol	3.04	59	48222	88.723	ug/l	97
12) 1,1-Dichloroethene	2.37	96	32132	19.910	ug/l	96
13) Acrolein	2.29	56	46913	95.309	ug/l	98
14) Allyl chloride	2.73	41	73962	18.805	ug/l	99
15) Acrylonitrile	3.14	53	120288	90.516	ug/l	98
16) Acetone	2.44	43	113088	89.696	ug/l	98
17) Carbon Disulfide	2.57	76	93645	20.667	ug/l	99
18) Methyl Acetate	2.77	43	52424	17.484	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	119875	19.128	ug/l	99
20) Methylene Chloride	2.85	84	38232	18.728	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	34603	19.770	ug/l	100
22) Diisopropyl ether	3.85	45	144261	19.073	ug/l	90
23) Vinyl Acetate	3.81	43	637161	98.376	ug/l	100
24) 1,1-Dichloroethane	3.70	63	70878	18.996	ug/l	98
25) 2-Butanone	4.67	43	179429	91.581	ug/l	99
26) 2,2-Dichloropropane	4.58	77	52393	18.865	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	40932	19.593	ug/l	98
28) Bromochloromethane	5.01	49	29068	17.575	ug/l	99
29) Tetrahydrofuran	5.12	42	118051	93.635	ug/l	100
30) Chloroform	5.21	83	65921	19.534	ug/l	97
31) Cyclohexane	5.57	56	69739	20.090	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	54472	19.390	ug/l	99
36) 1,1-Dichloropropene	5.79	75	51010	20.432	ug/l	99
37) Ethyl Acetate	4.83	43	67926	19.527	ug/l	99
38) Carbon Tetrachloride	5.78	117	44596	19.660	ug/l	96

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Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 10 07:05:09 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	63939	20.854	ug/l	96
40) Benzene	6.14	78	155740	20.157	ug/l	99
41) Methacrylonitrile	5.04	41	37546	18.133	ug/l	96
42) 1,2-Dichloroethane	6.19	62	55990	20.201	ug/l	99
43) Isopropyl Acetate	6.44	43	105499	18.961	ug/l	100
44) Trichloroethene	7.21	130	37931	20.307	ug/l	97
45) 1,2-Dichloropropane	7.51	63	43962	20.094	ug/l	100
46) Dibromomethane	7.66	93	24700	19.441	ug/l	96
47) Bromodichloromethane	7.89	83	49546	19.550	ug/l	100
48) Methyl methacrylate	7.77	41	53747	19.470	ug/l	100
49) 1,4-Dioxane	7.74	88	20982	374.803	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	347664	95.597	ug/l	100
52) Toluene	8.78	92	95437	20.320	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	57116	19.962	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	62945	19.875	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	37735	19.693	ug/l	99
56) Ethyl methacrylate	9.18	69	66073	19.317	ug/l	100
57) 1,3-Dichloropropane	9.37	76	66919	19.846	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	168046	92.612	ug/l	99
59) 2-Hexanone	9.49	43	270152	94.582	ug/l	99
60) Dibromochloromethane	9.58	129	36494	19.500	ug/l	100
61) 1,2-Dibromoethane	9.67	107	38911	20.117	ug/l	99
64) Tetrachloroethene	9.34	164	34585	20.834	ug/l	98
65) Chlorobenzene	10.13	112	98264	20.298	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	35044	19.967	ug/l	99
67) Ethyl Benzene	10.25	91	180621	20.273	ug/l	99
68) m/p-Xylenes	10.35	106	134692	41.369	ug/l	100
69) o-Xylene	10.69	106	65476	20.382	ug/l	98
70) Styrene	10.71	104	111926	20.046	ug/l	99
71) Bromoform	10.85	173	27045	18.962	ug/l	99
73) Isopropylbenzene	11.02	105	174693	20.127	ug/l	99
74) N-amyl acetate	10.90	43	93716	18.520	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	60575	18.722	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	70089	25.315	ug/l	81
77) Bromobenzene	11.26	156	43122	20.017	ug/l	98
78) n-propylbenzene	11.36	91	200795	20.257	ug/l	99
79) 2-Chlorotoluene	11.42	91	119562	19.551	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	148577	20.330	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	19406	17.934	ug/l	95
82) 4-Chlorotoluene	11.51	91	138947	20.112	ug/l	99
83) tert-Butylbenzene	11.77	119	141647	19.924	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	150011	20.450	ug/l	99
85) sec-Butylbenzene	11.94	105	169550	20.116	ug/l	100
86) p-Isopropyltoluene	12.06	119	154322	20.366	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	76257	19.857	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	77232	19.947	ug/l	98
89) n-Butylbenzene	12.38	91	139709	20.400	ug/l	100
90) Hexachloroethane	12.59	117	24914	19.300	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	77310	19.764	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	13658	18.817	ug/l	99

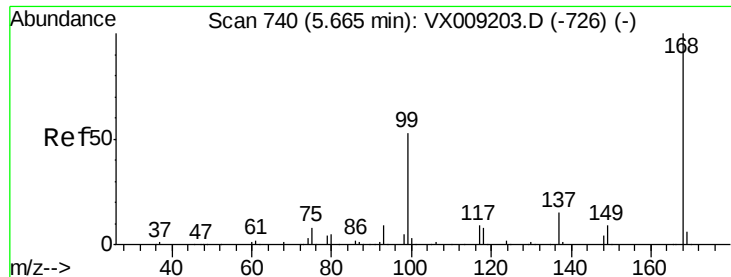
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Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	54433	20.350	ug/l	99
94) Hexachlorobutadiene	13.78	225	28367	20.767	ug/l	98
95) Naphthalene	13.83	128	176163	20.243	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	56729	20.922	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

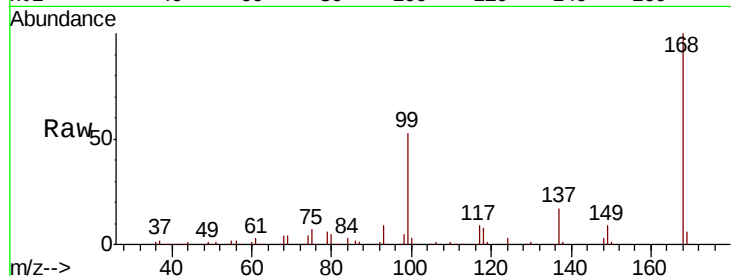
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 172001

Ion Ratio Lower Upper

168 100

99 53.3 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

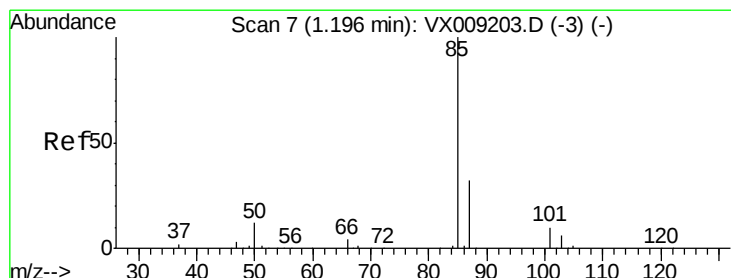
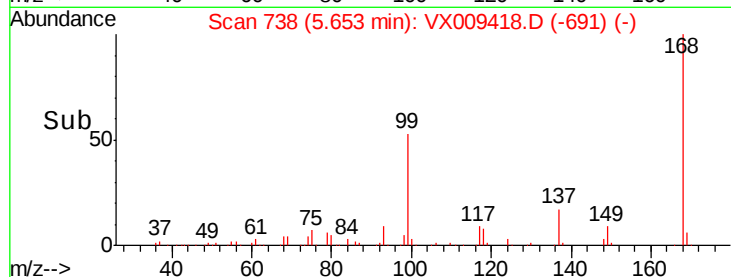
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 18.434 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009418.D

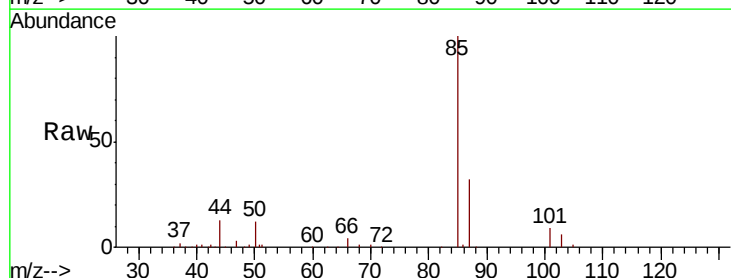
Acq: 09 May 2019 11:31

Tgt Ion: 85 Resp: 29218

Ion Ratio Lower Upper

85 100

87 32.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

30000

25000

20000

15000

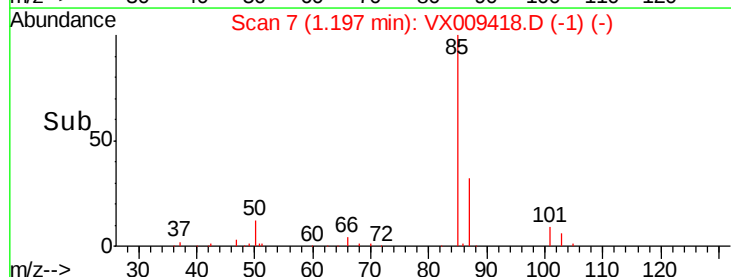
10000

5000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 19.408 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Instrument :

MSVOA_X

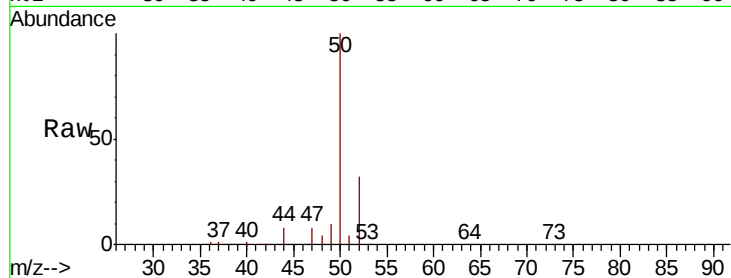
ClientSampleId :

Tot Ion: 50 Resp: 41997

Ion Ratio Lower Upper

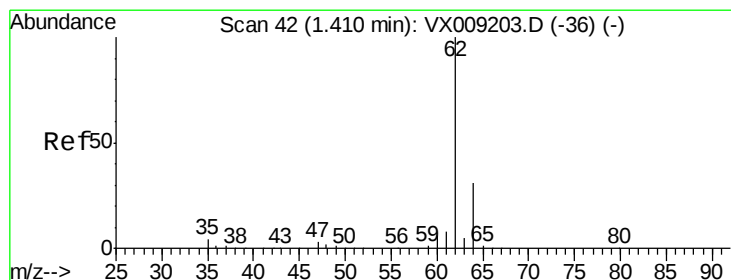
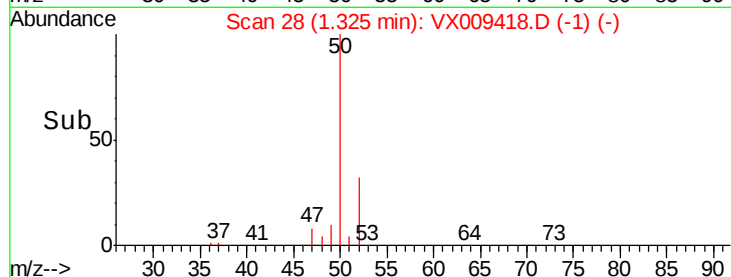
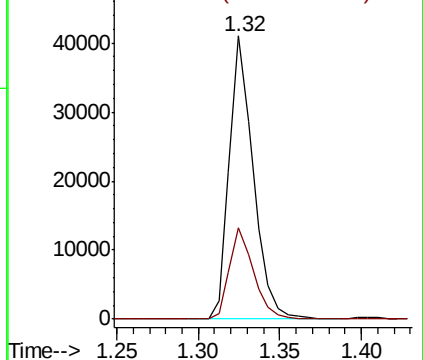
50 100

52 32.3 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: 19.510 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009418.D

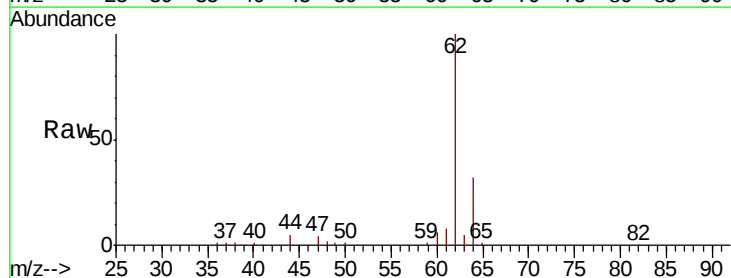
Acq: 09 May 2019 11:31

Tgt Ion: 62 Resp: 41169

Ion Ratio Lower Upper

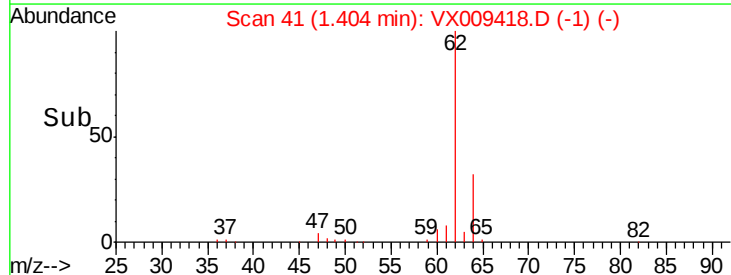
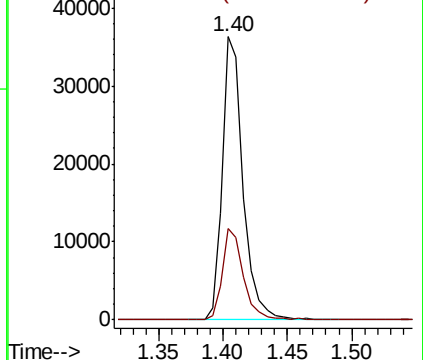
62 100

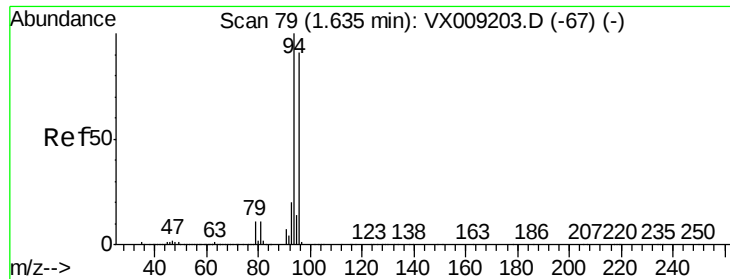
64 32.0 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 18.901 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

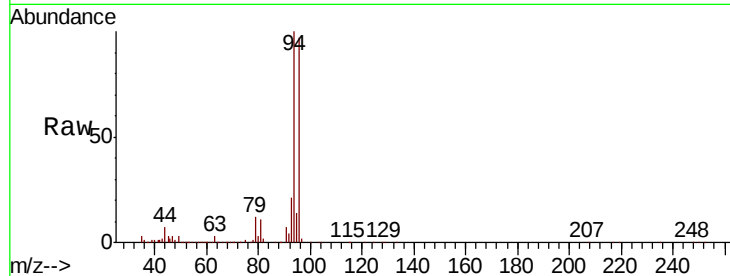
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 94 Resp: 23938

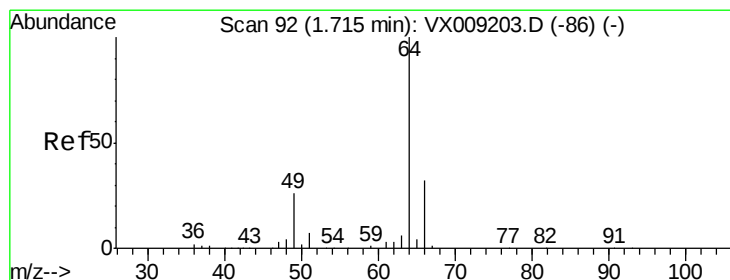
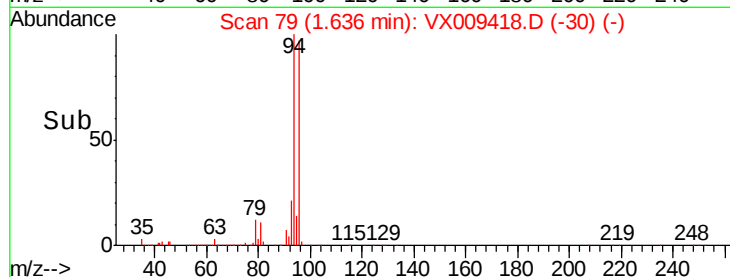
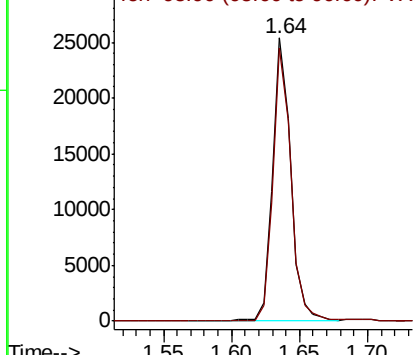
Ion Ratio Lower Upper

94 100

96 96.7 73.0 109.6



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



#6

Chloroethane

Concen: 19.349 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009418.D

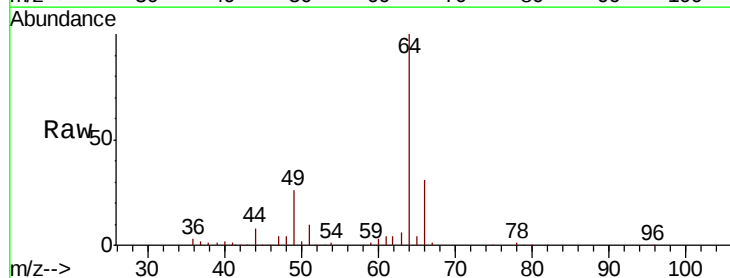
Acq: 09 May 2019 11:31

Tgt Ion: 64 Resp: 26213

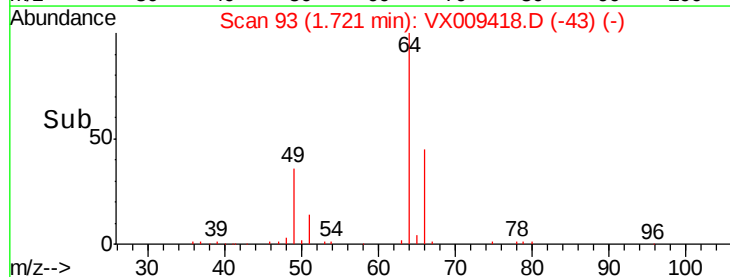
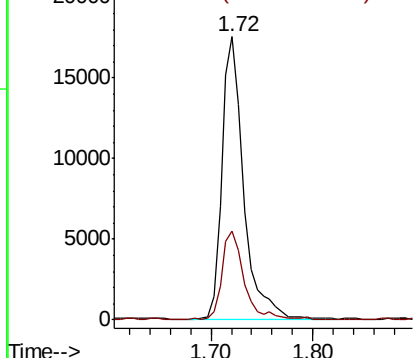
Ion Ratio Lower Upper

64 100

66 31.4 25.3 37.9



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



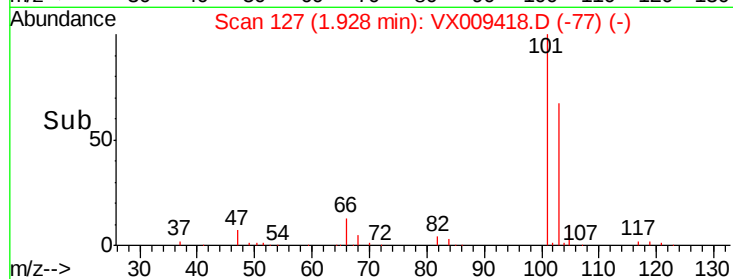
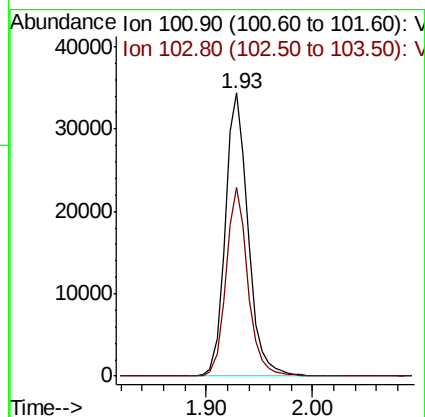
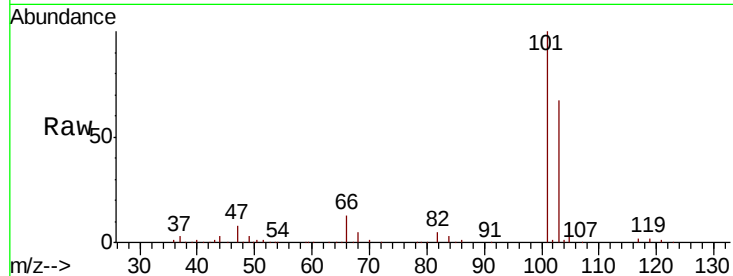


#7

Trichlorofluoromethane
 Concen: 20.062 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX009418.D
 Acq: 09 May 2019 11:31

Instrument :
 MSVOA_X
 ClientSampleId :

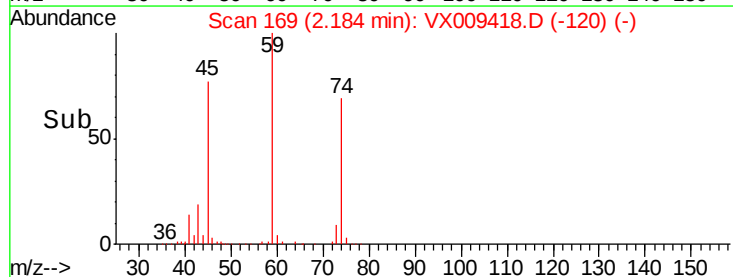
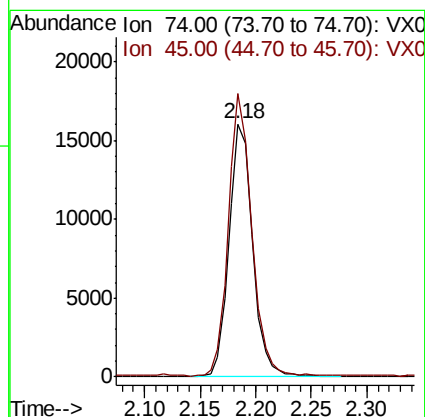
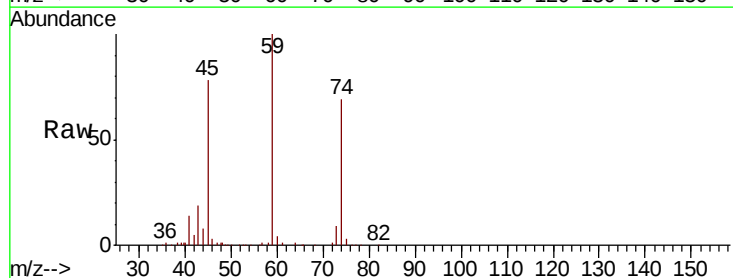
Tot Ion:101 Resp: 51459
 Ion Ratio Lower Upper
 101 100
 103 66.8 52.4 78.6



#8

Diethyl Ether
 Concen: 19.487 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX009418.D
 Acq: 09 May 2019 11:31

Tgt Ion: 74 Resp: 23676
 Ion Ratio Lower Upper
 74 100
 45 109.8 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.961 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Instrument :

MSVOA_X

ClientSampled :

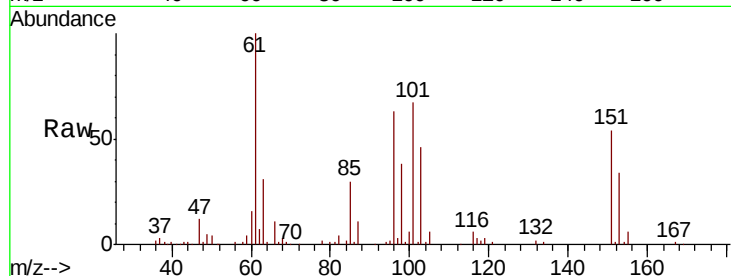
Tot Ion:101 Resp: 32152

Ion Ratio Lower Upper

101 100

85 43.9 35.7 53.5

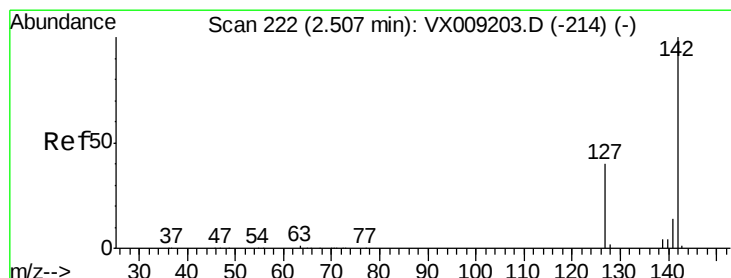
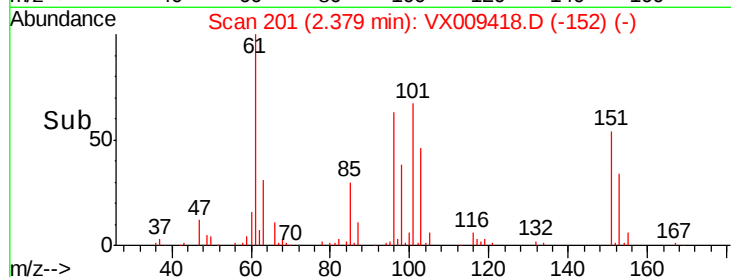
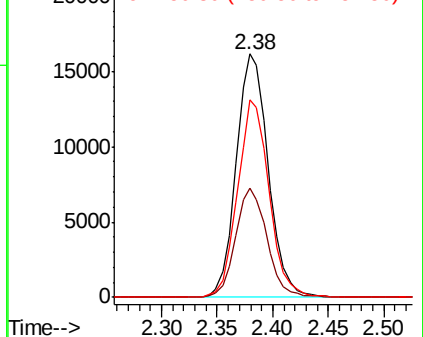
151 79.9 62.2 93.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.438 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

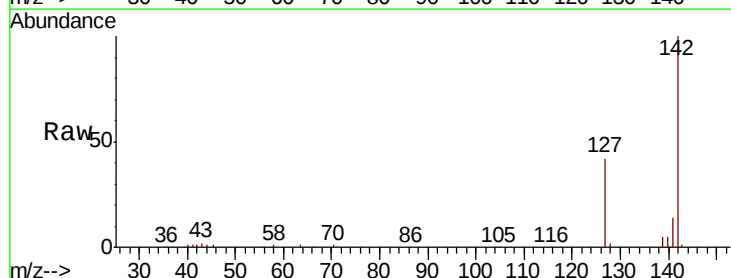
Tgt Ion:142 Resp: 32652

Ion Ratio Lower Upper

142 100

127 41.6 32.7 49.1

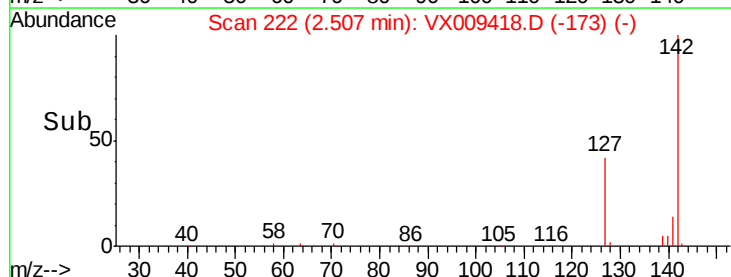
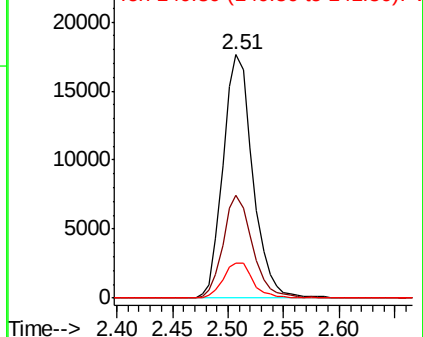
141 14.5 11.5 17.3

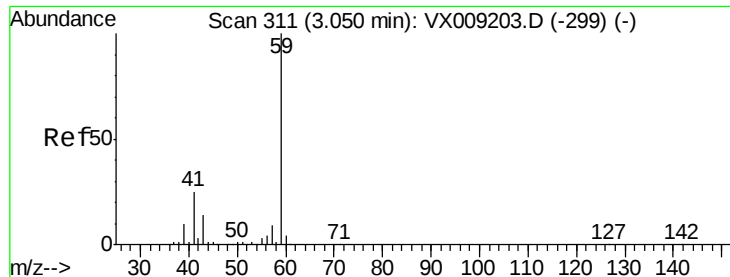


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

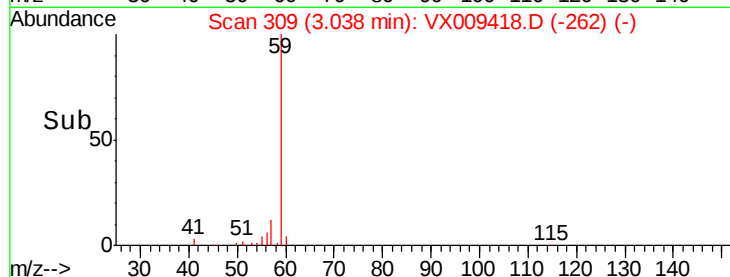
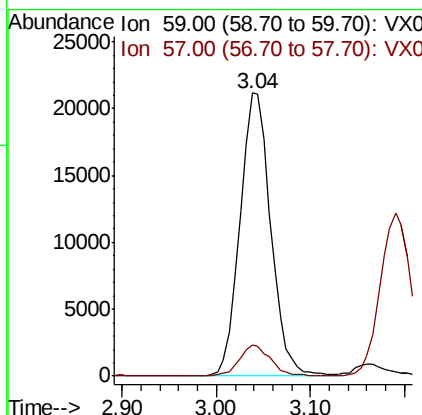
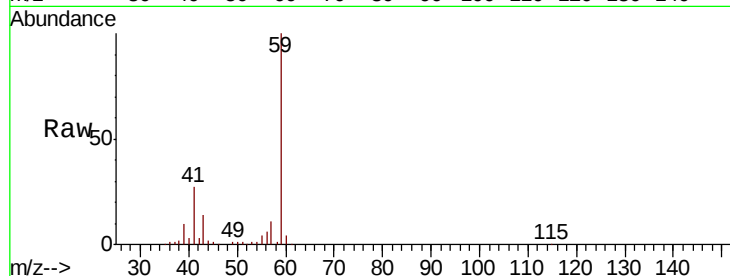




#11
Tert butyl alcohol
Concen: 88.723 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.01 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

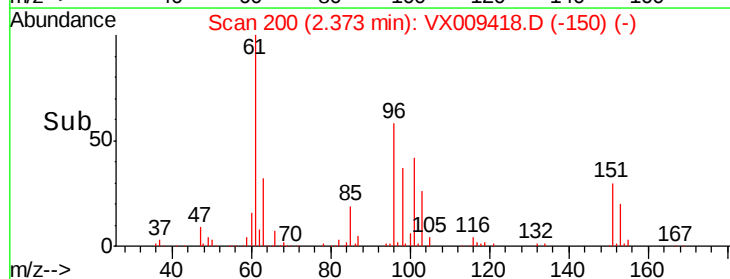
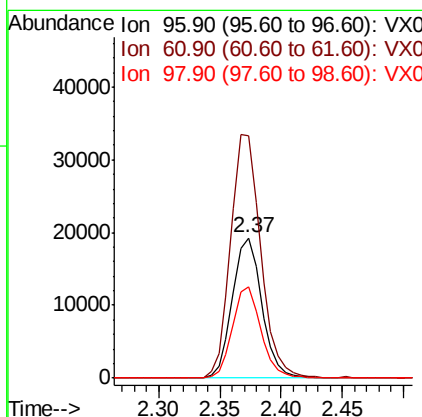
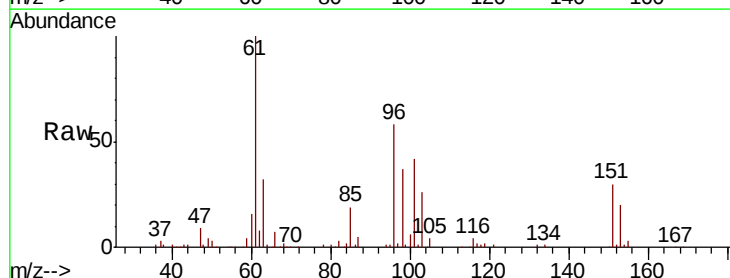
Instrument :
MSVOA_X
ClientSampleId :

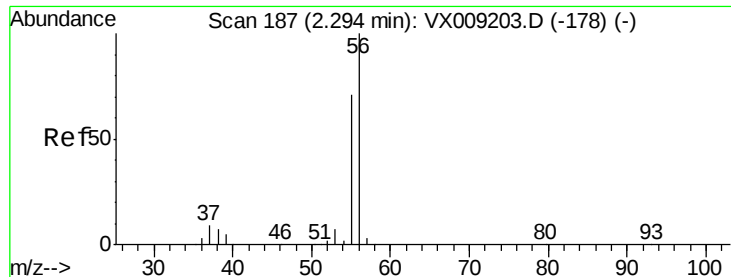
Tot Ion: 59 Resp: 48222
Ion Ratio Lower Upper
59 100
57 11.2 8.2 12.2



#12
1,1-Dichloroethene
Concen: 19.910 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Tgt Ion: 96 Resp: 32132
Ion Ratio Lower Upper
96 100
61 173.2 144.3 216.5
98 64.7 50.3 75.5





#13

Acrolein

Concen: 95.309 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Instrument :

MSVOA_X

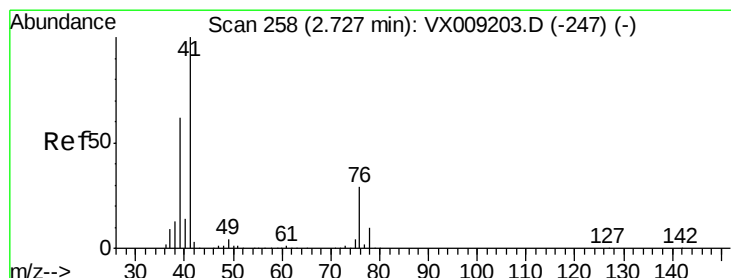
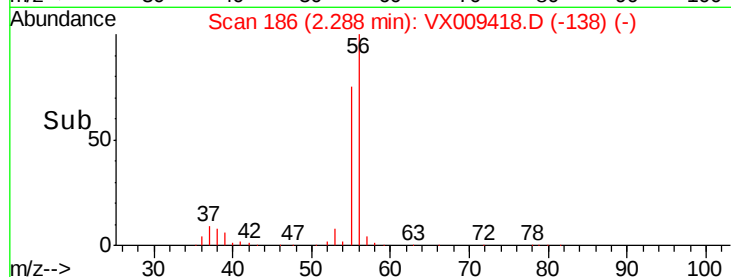
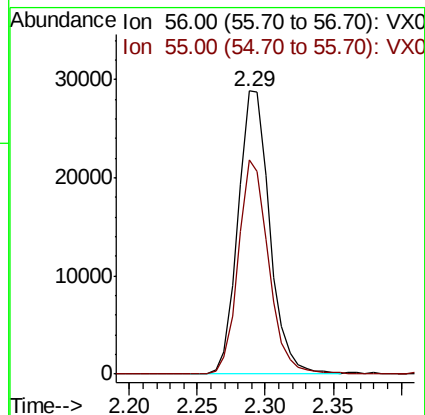
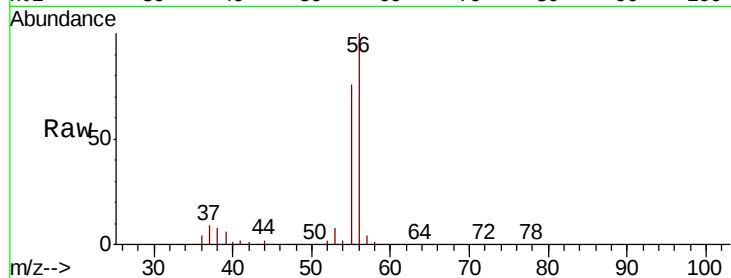
ClientSampleId :

Tot Ion: 56 Resp: 46913

Ion Ratio Lower Upper

56 100

55 72.8 56.6 85.0



#14

Allyl chloride

Concen: 18.805 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

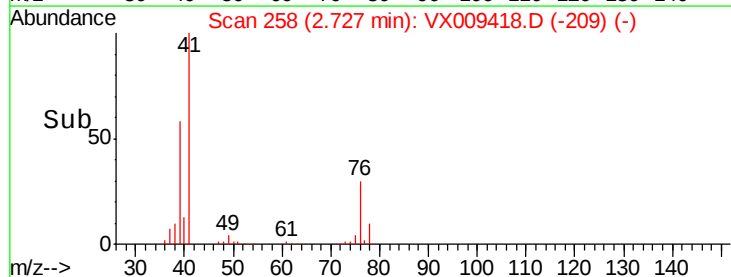
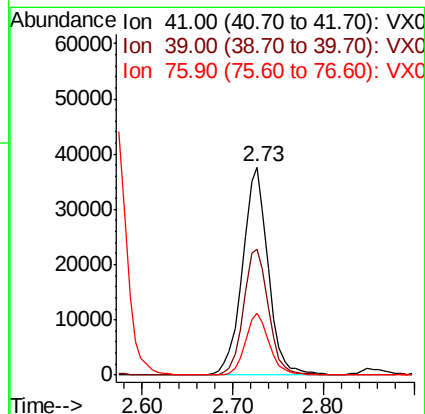
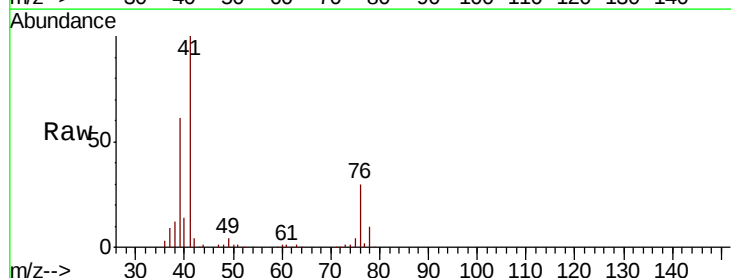
Tgt Ion: 41 Resp: 73962

Ion Ratio Lower Upper

41 100

39 59.1 46.7 70.1

76 27.3 21.8 32.8





#15

Acrylonitrile

Concen: 90.516 ug/l

RT: 3.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Instrument :

MSVOA_X

ClientSampleId :

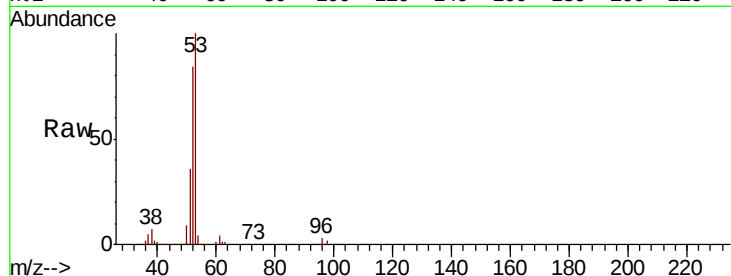
Tot Ion: 53 Resp: 120288

Ion Ratio Lower Upper

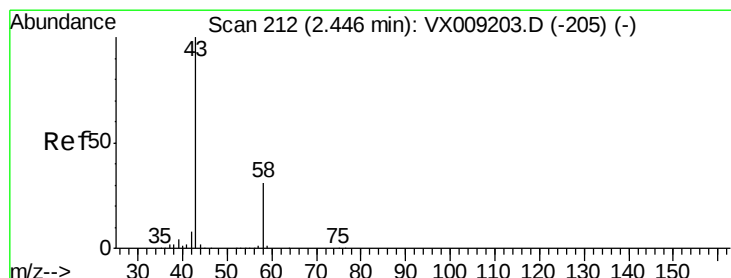
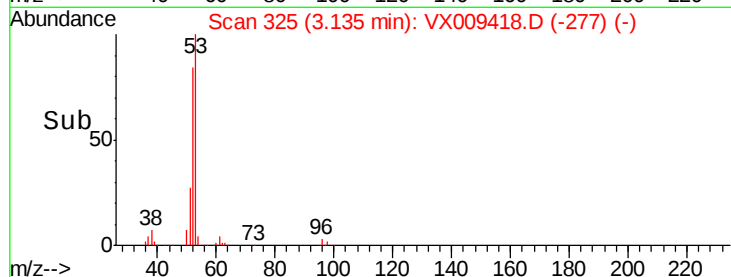
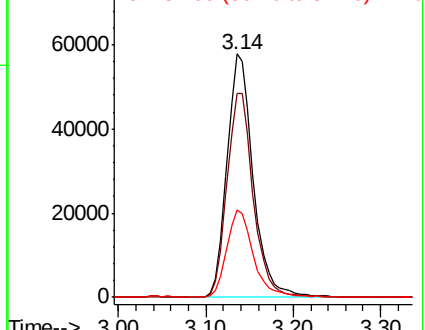
53 100

52 84.8 66.9 100.3

51 36.8 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: 89.696 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009418.D

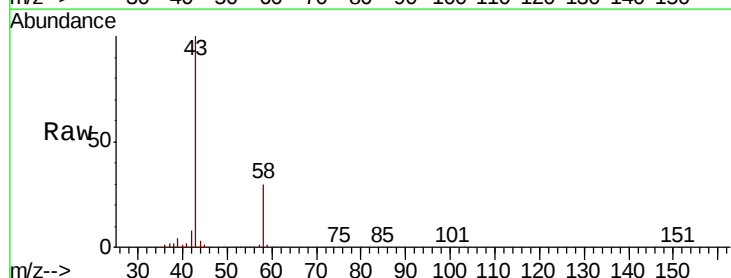
Acq: 09 May 2019 11:31

Tgt Ion: 43 Resp: 113088

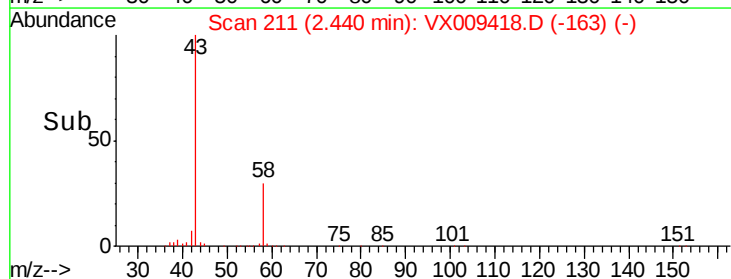
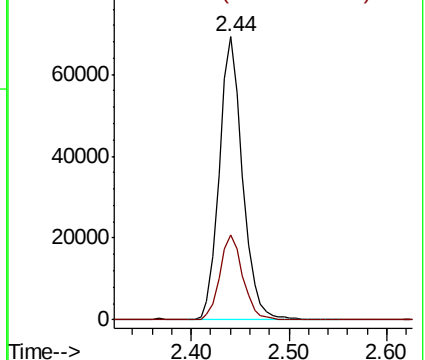
Ion Ratio Lower Upper

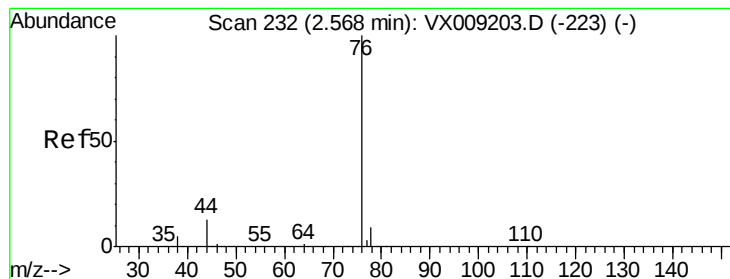
43 100

58 30.1 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: 20.667 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Instrument :

MSVOA_X

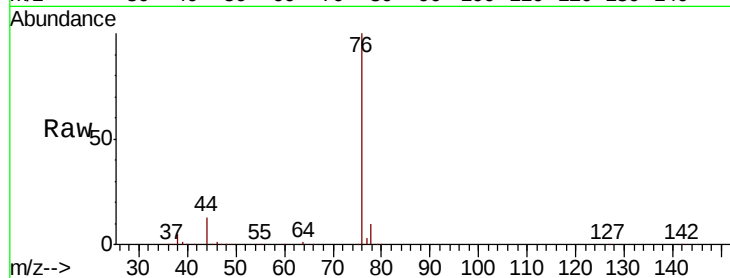
ClientSampleId :

Tot Ion: 76 Resp: 93645

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

60000

50000

40000

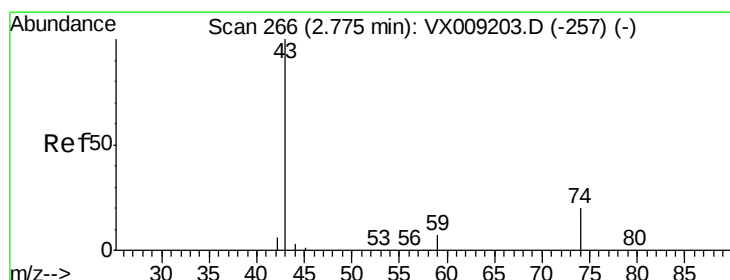
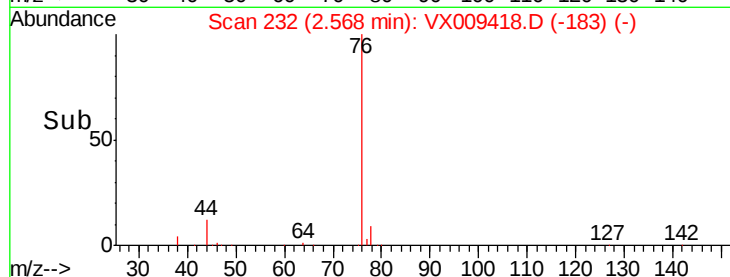
30000

20000

10000

0

Time-->



#18

Methyl Acetate

Concen: 17.484 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX009418.D

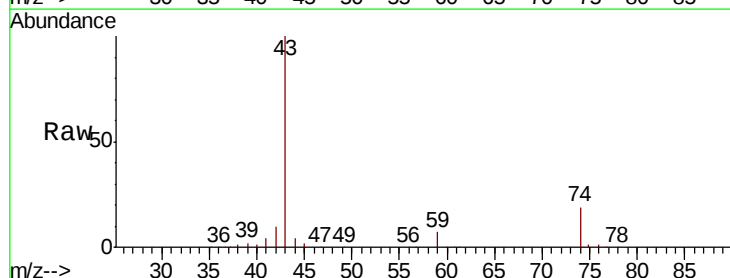
Acq: 09 May 2019 11:31

Tgt Ion: 43 Resp: 52424

Ion Ratio Lower Upper

43 100

74 20.5 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.77

30000

25000

20000

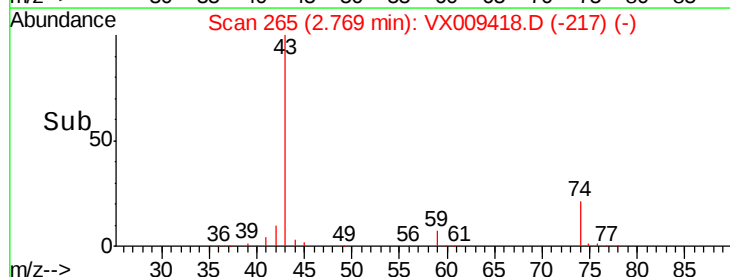
15000

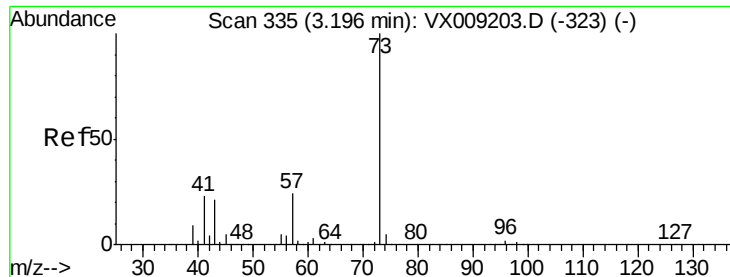
10000

5000

0

Time-->

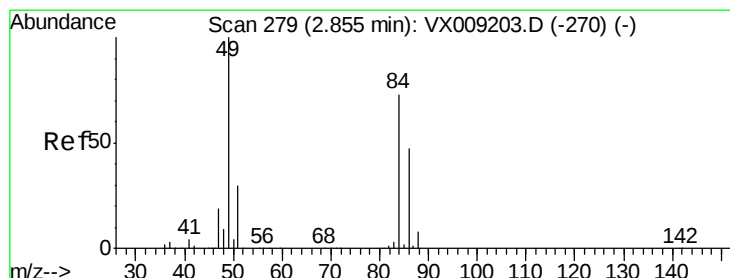
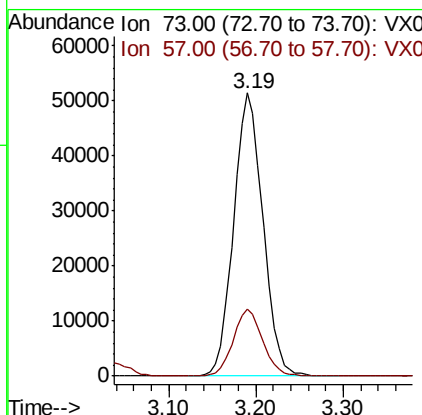
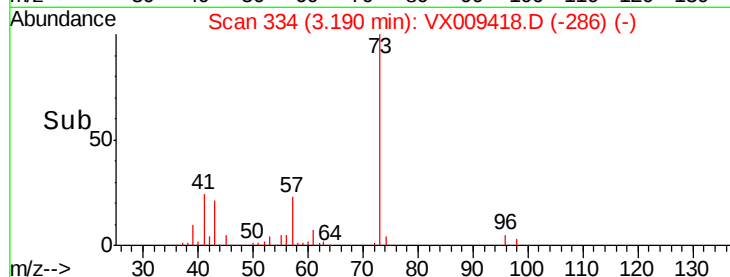
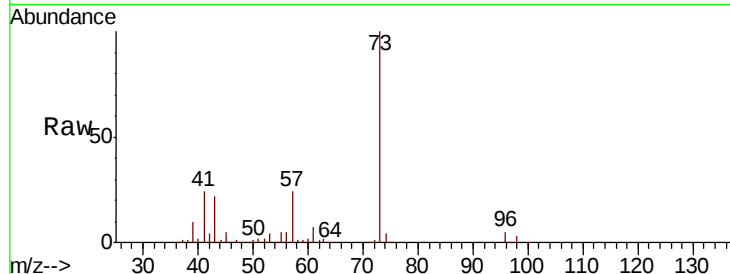




#19
Methyl tert-butyl Ether
Concen: 19.128 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

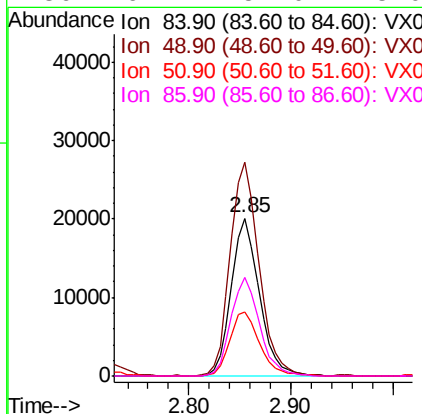
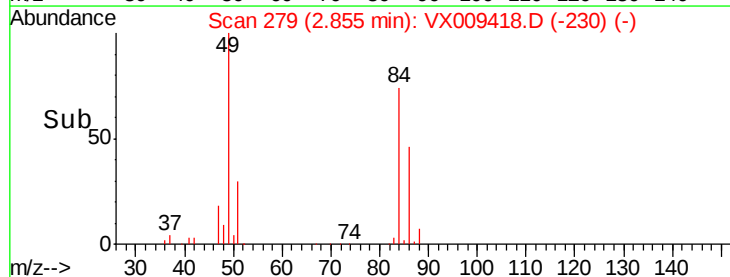
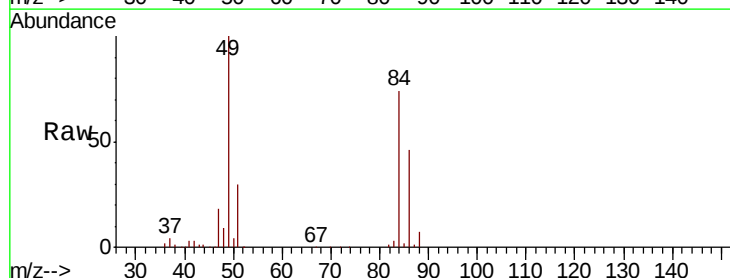
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 73 Resp: 119875
Ion Ratio Lower Upper
73 100
57 23.7 19.3 28.9



#20
Methylene Chloride
Concen: 18.728 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Tgt Ion: 84 Resp: 38232
Ion Ratio Lower Upper
84 100
49 135.2 109.9 164.9
51 40.9 32.7 49.1
86 62.4 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 19.770 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Instrument :
MSVOA_X
ClientSampleId :

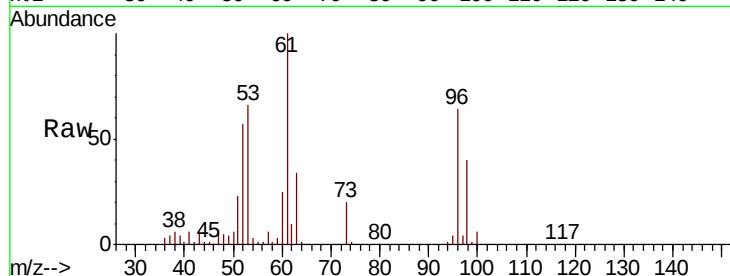
Tot Ion: 96 Resp: 34603

Ion Ratio Lower Upper

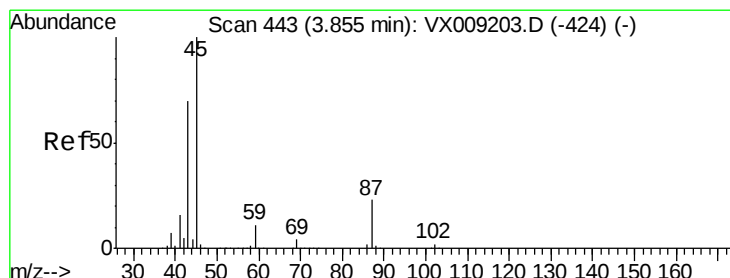
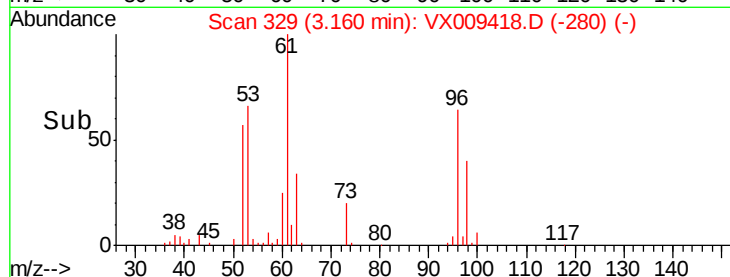
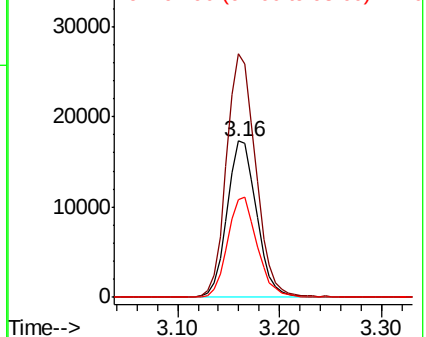
96 100

61 156.1 124.5 186.7

98 62.7 50.4 75.6



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



#22

Diisopropyl ether

Concen: 19.073 ug/l

RT: 3.85 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Tgt Ion: 45 Resp: 144261

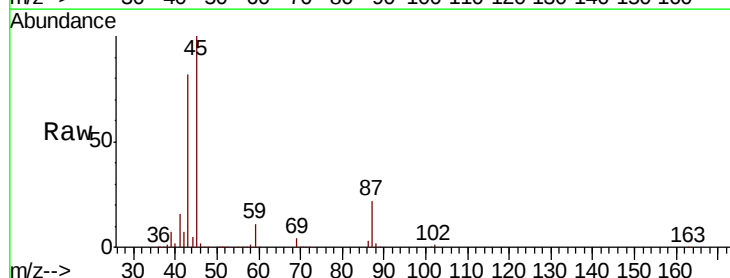
Ion Ratio Lower Upper

45 100

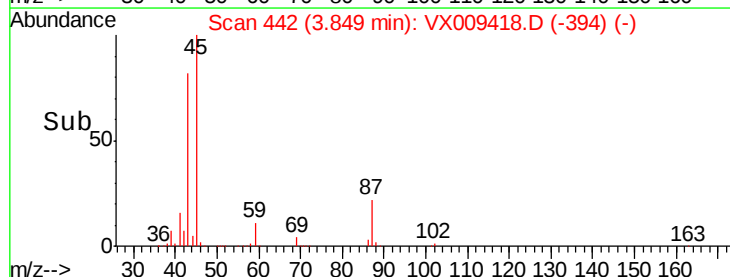
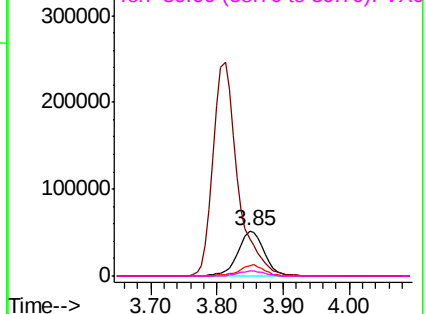
43 81.7 56.1 84.1

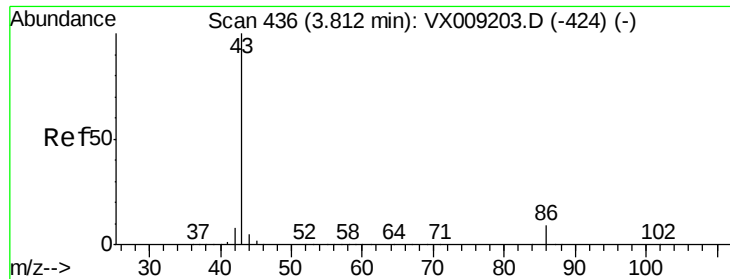
87 22.4 18.1 27.1

59 11.1 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: 98.376 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Instrument :

MSVOA_X

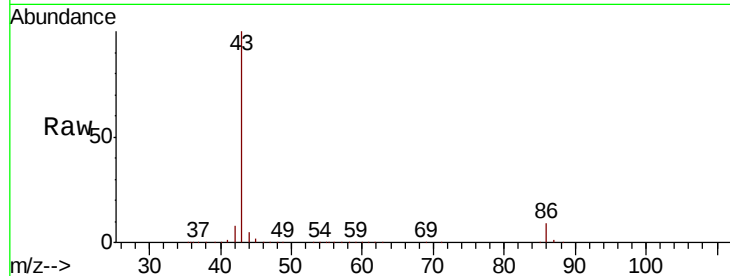
ClientSampled :

Tot Ion: 43 Resp: 637161

Ion Ratio Lower Upper

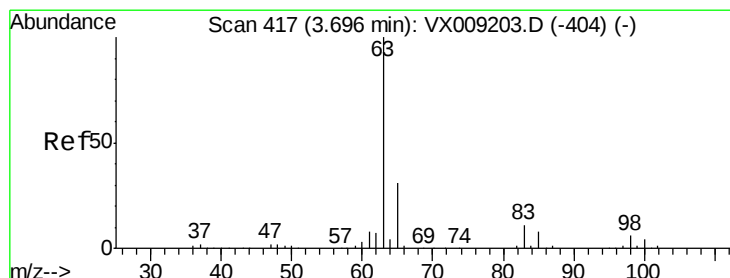
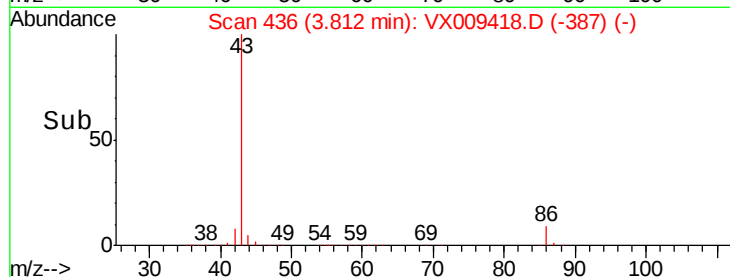
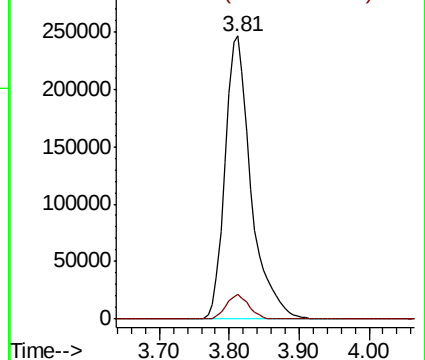
43 100

86 8.6 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: 18.996 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

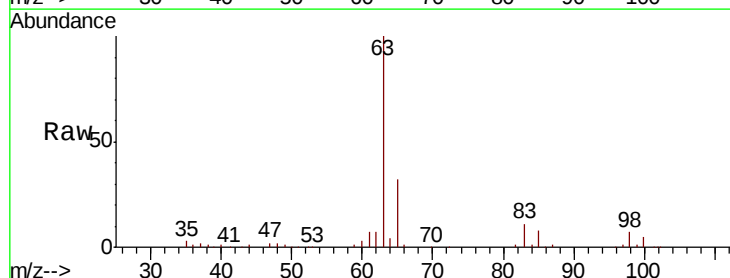
Tgt Ion: 63 Resp: 70878

Ion Ratio Lower Upper

63 100

98 6.6 3.0 9.2

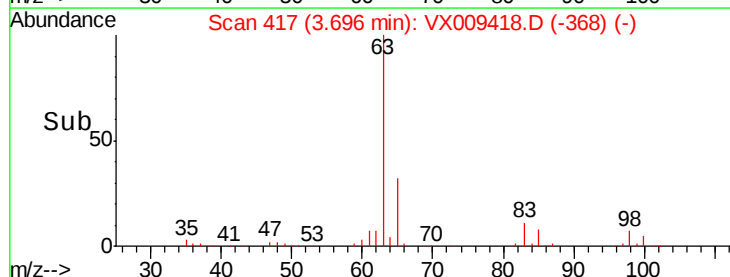
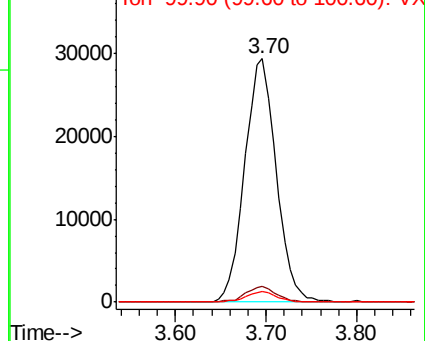
100 4.6 2.0 6.0



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: 91.581 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Instrument :

MSVOA_X

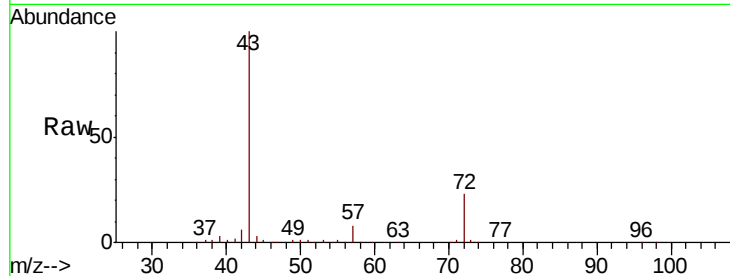
ClientSampled :

Tot Ion: 43 Resp: 179429

Ion Ratio Lower Upper

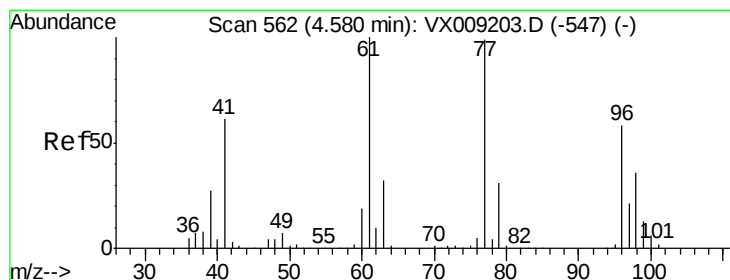
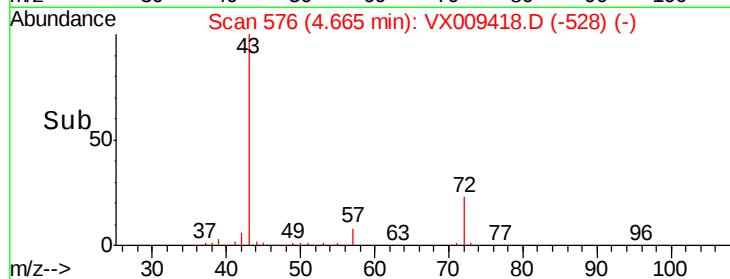
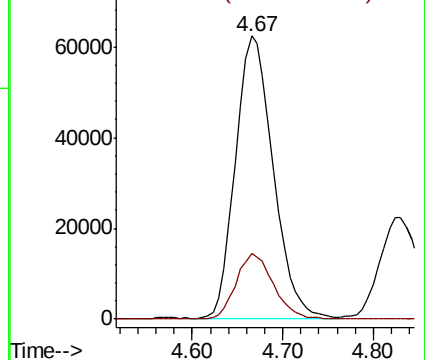
43 100

72 23.1 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 18.865 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX009418.D

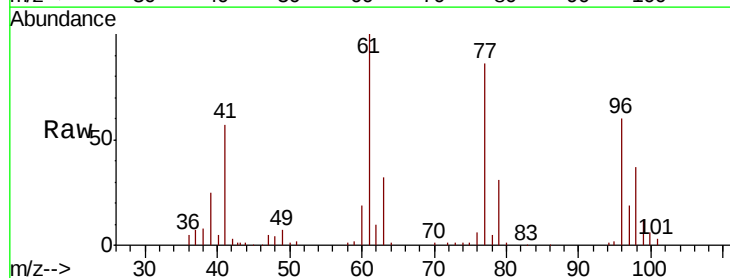
Acq: 09 May 2019 11:31

Tgt Ion: 77 Resp: 52393

Ion Ratio Lower Upper

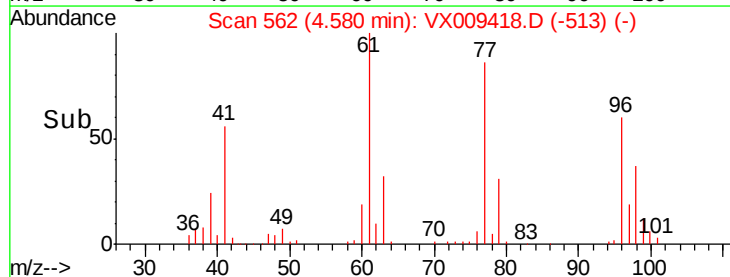
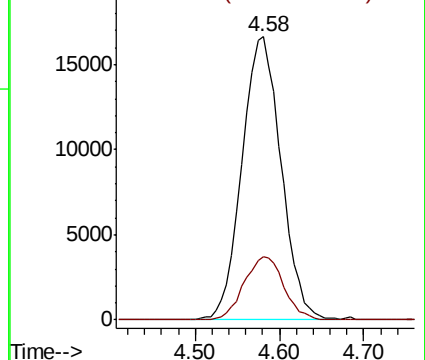
77 100

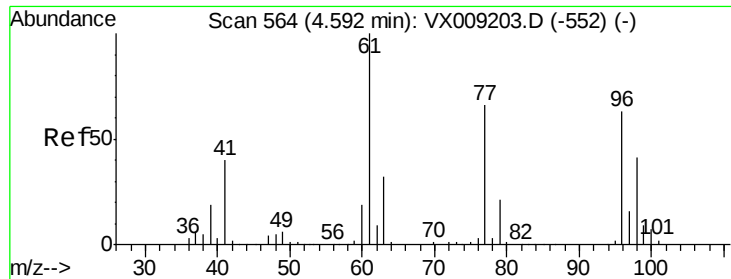
97 22.7 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



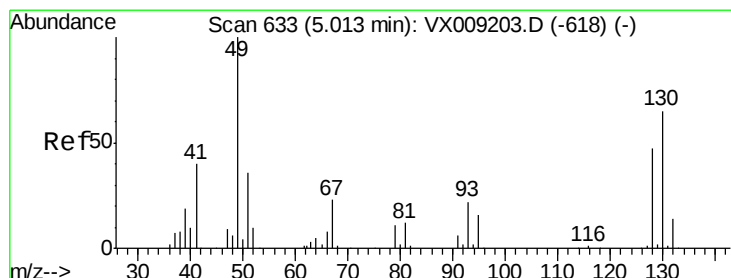
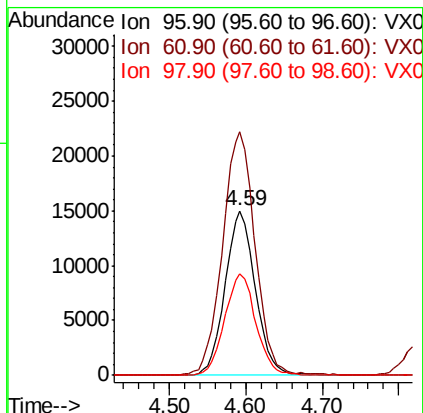
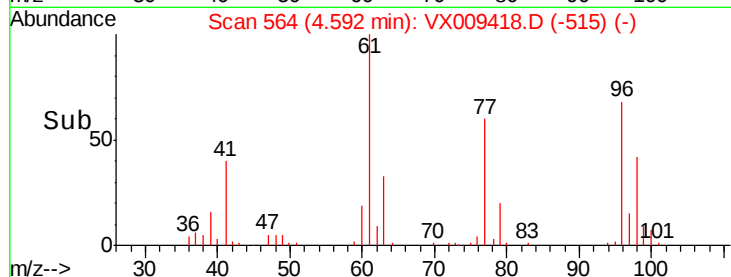
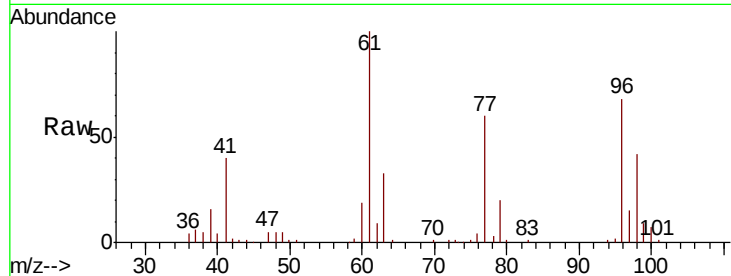


#27

cis-1,2-Dichloroethene
Concen: 19.593 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Instrument :
MSVOA_X
ClientSampleId :

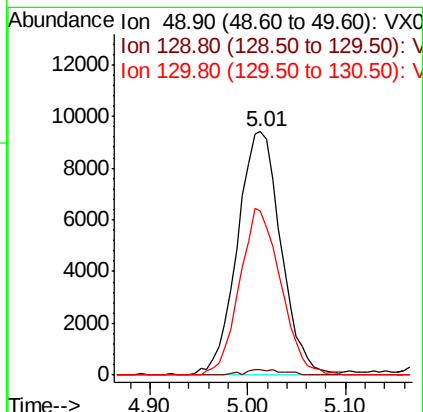
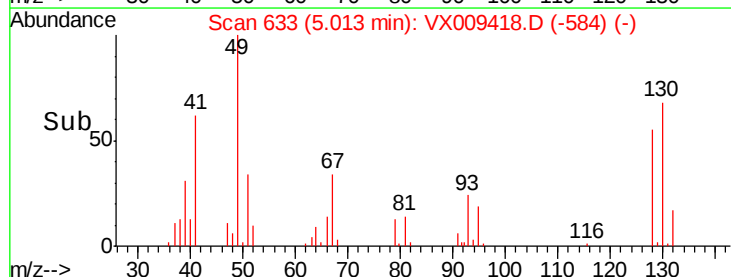
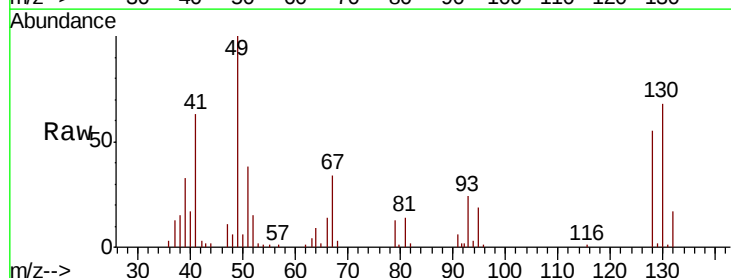
Tot Ion: 96 Resp: 40932
Ion Ratio Lower Upper
96 100
61 158.8 0.0 324.0
98 63.4 0.0 130.4

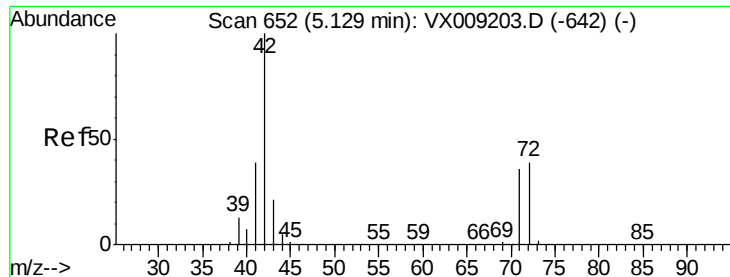


#28

Bromochloromethane
Concen: 17.575 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Tgt Ion: 49 Resp: 29068
Ion Ratio Lower Upper
49 100
129 1.9 0.0 3.8
130 64.9 51.2 76.8

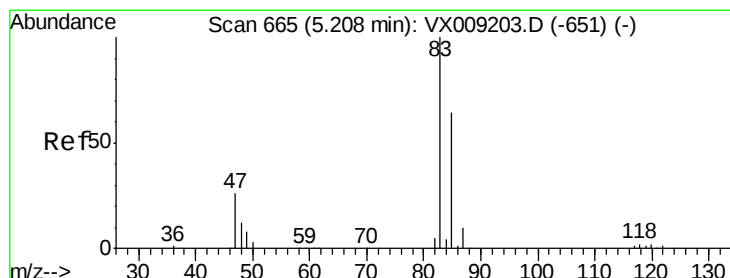
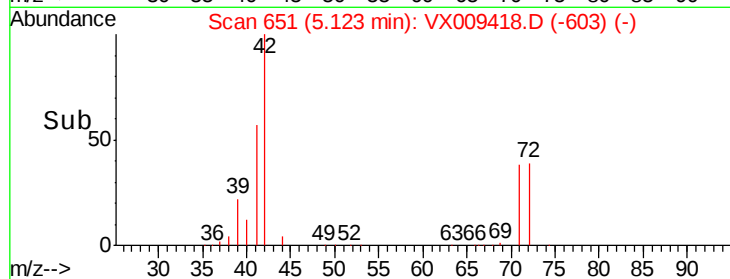
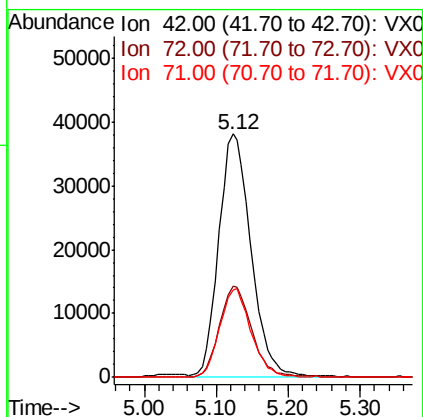
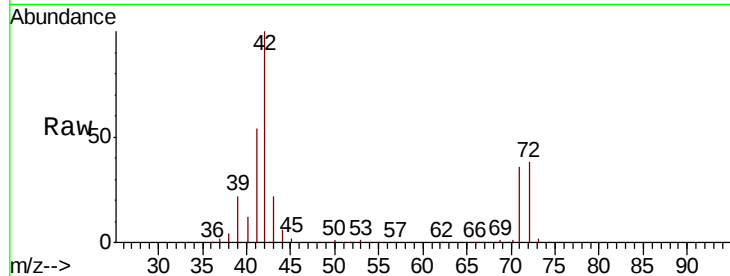




#29
Tetrahydrofuran
Concen: 93.635 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

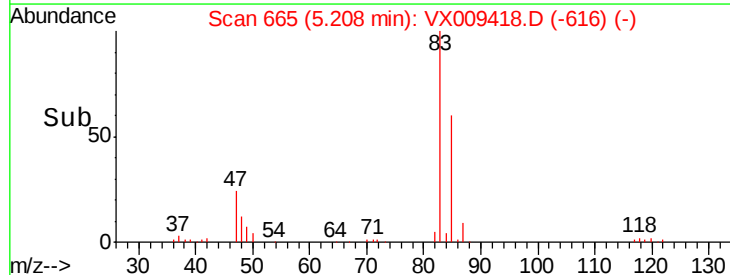
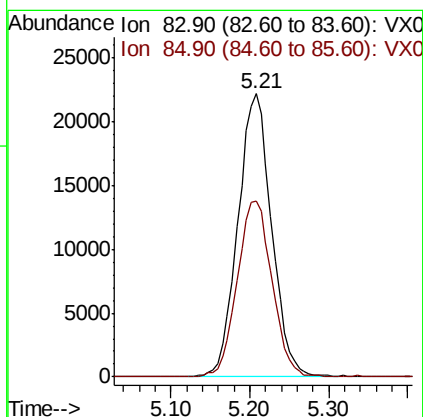
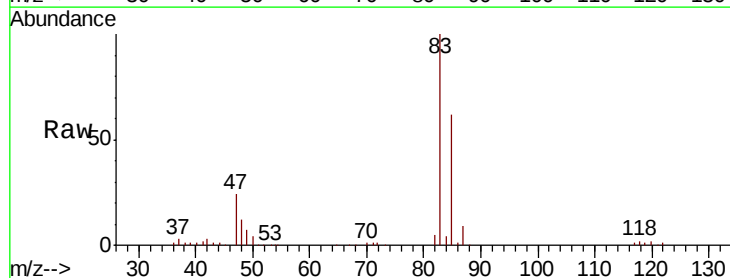
Instrument :
MSVOA_X
ClientSampleId :

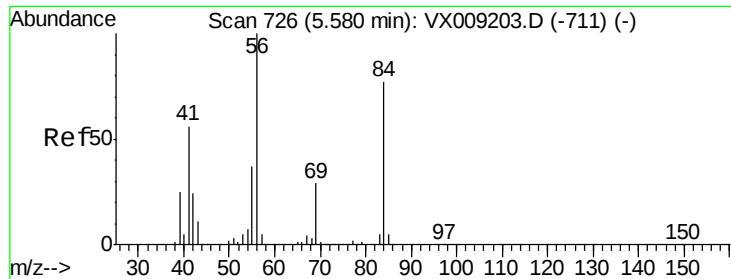
Tot Ion: 42 Resp: 118051
Ion Ratio Lower Upper
42 100
72 37.9 30.4 45.6
71 35.7 28.6 43.0



#30
Chloroform
Concen: 19.534 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Tgt Ion: 83 Resp: 65921
Ion Ratio Lower Upper
83 100
85 62.1 51.5 77.3

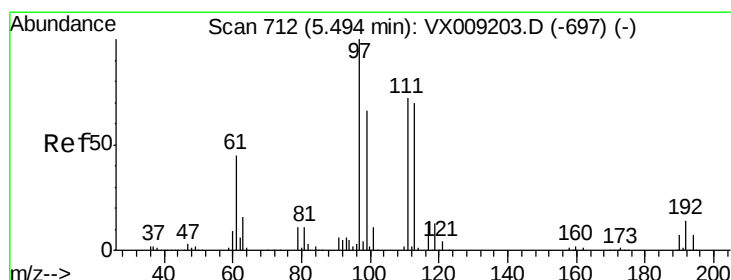
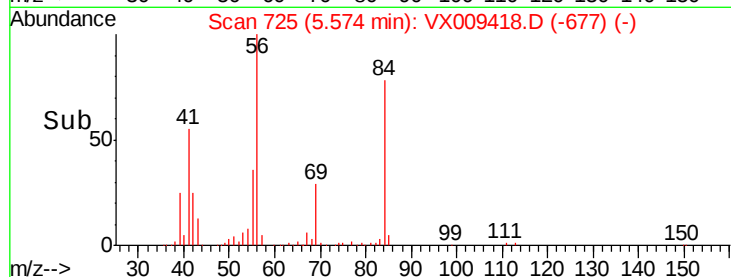
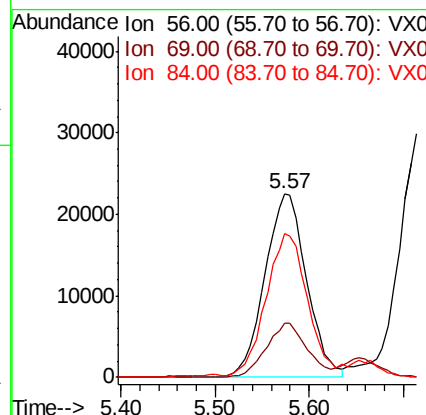
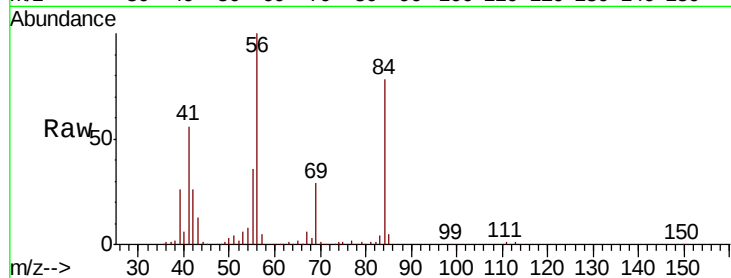




#31
Cyclohexane
Concen: 20.090 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

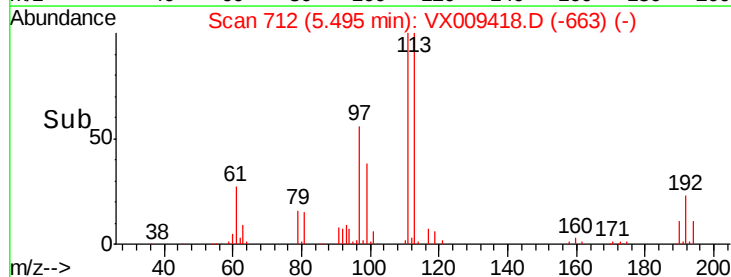
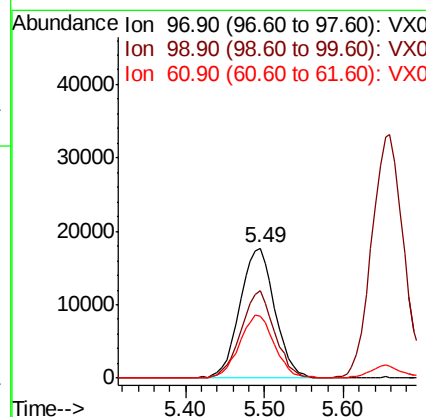
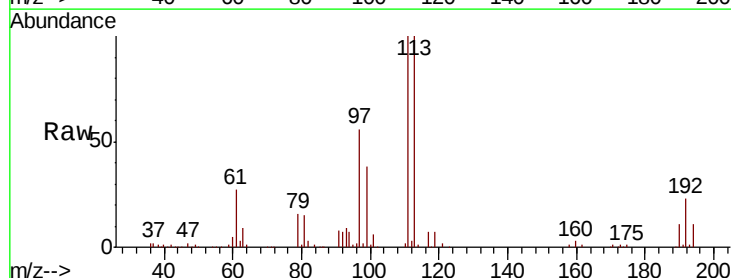
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 69739
Ion Ratio Lower Upper
56 100
69 28.8 23.4 35.0
84 77.6 61.9 92.9



#32
1,1,1-Trichloroethane
Concen: 19.390 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Tgt Ion: 97 Resp: 54472
Ion Ratio Lower Upper
97 100
99 64.5 51.8 77.8
61 48.5 37.8 56.8





#33

1,2-Dichloroethane-d4

Concen: 50.756 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Instrument :

MSVOA_X

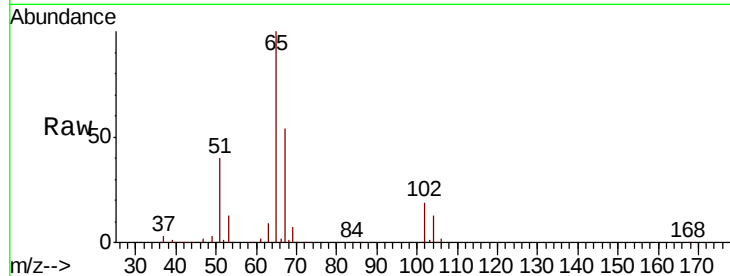
ClientSampled :

Tot Ion: 65 Resp: 119177

Ion Ratio Lower Upper

65 100

67 53.1 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

50000

40000

30000

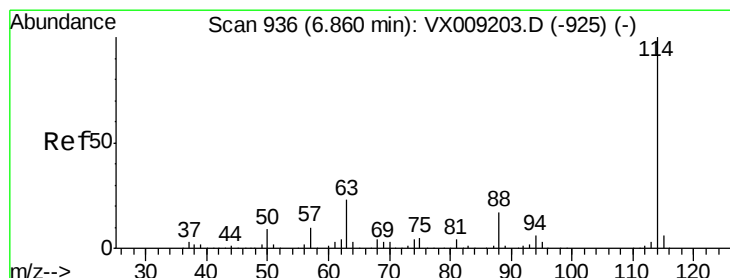
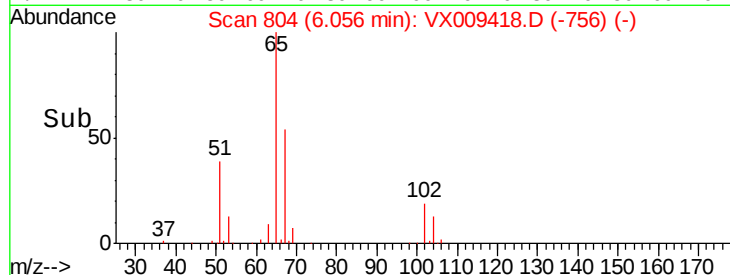
20000

10000

0

Time-->

6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

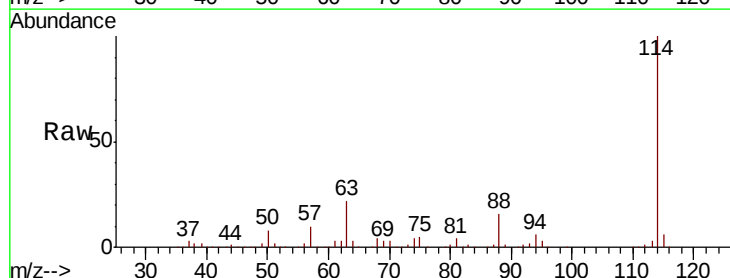
Tgt Ion: 114 Resp: 268648

Ion Ratio Lower Upper

114 100

63 22.0 0.0 45.6

88 15.8 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

150000

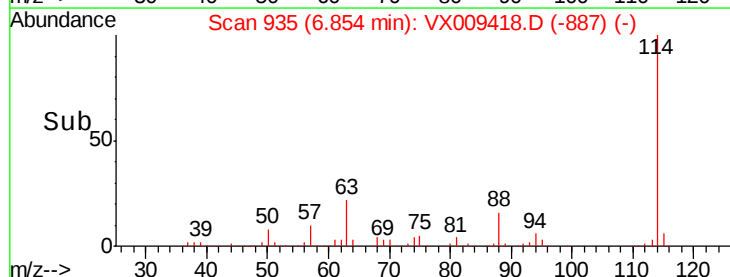
100000

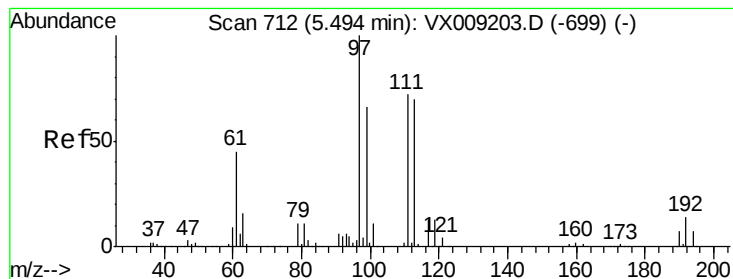
50000

0

Time-->

6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 52.594 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Instrument :

MSVOA_X

ClientSampleId :

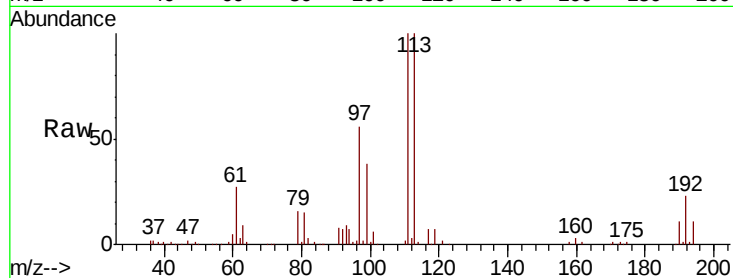
Tot Ion:113 Resp: 88822

Ion Ratio Lower Upper

113 100

111 101.6 82.8 124.2

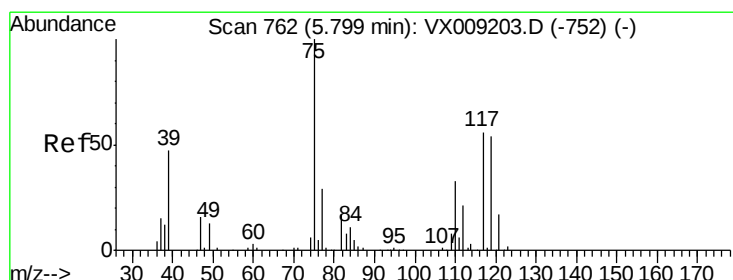
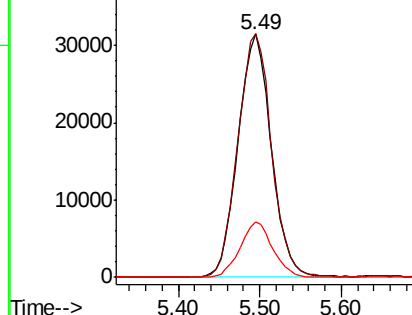
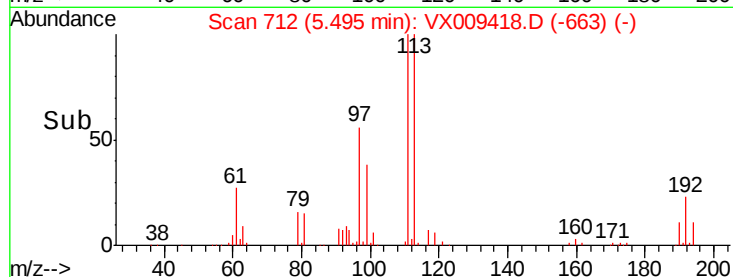
192 22.3 17.0 25.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.432 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

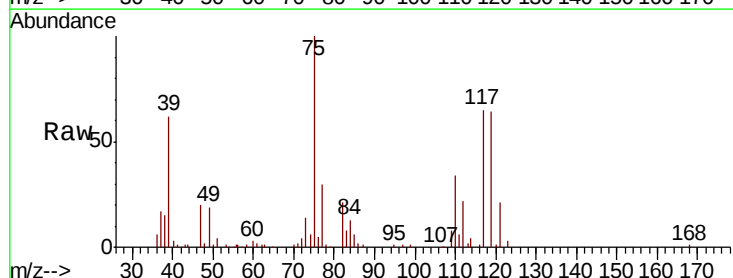
Tgt Ion: 75 Resp: 51010

Ion Ratio Lower Upper

75 100

110 34.3 16.9 50.6

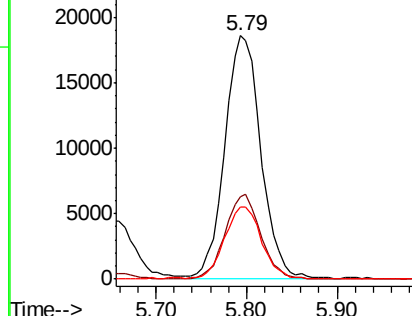
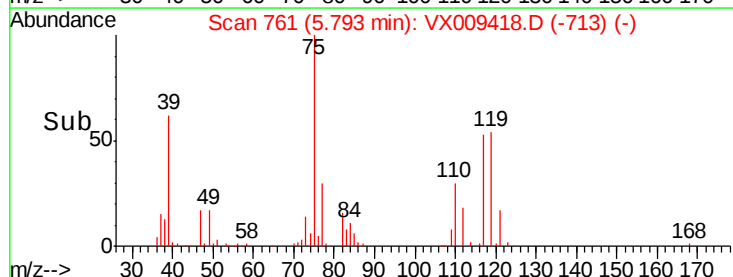
77 30.9 24.8 37.2

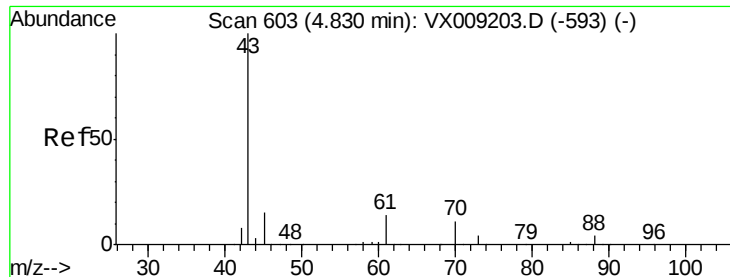


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 19.527 ug/l

RT: 4.83 min Scan# 603

Delta R.T. 0.00 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Instrument :

MSVOA_X

ClientSampled :

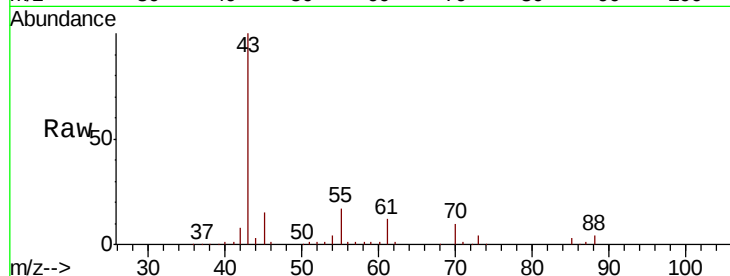
Tot Ion: 43 Resp: 67926

Ion Ratio Lower Upper

43 100

61 13.3 10.5 15.7

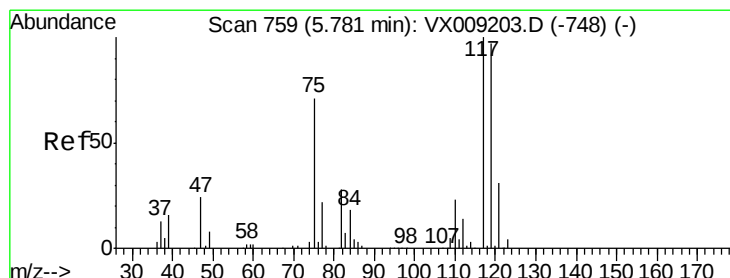
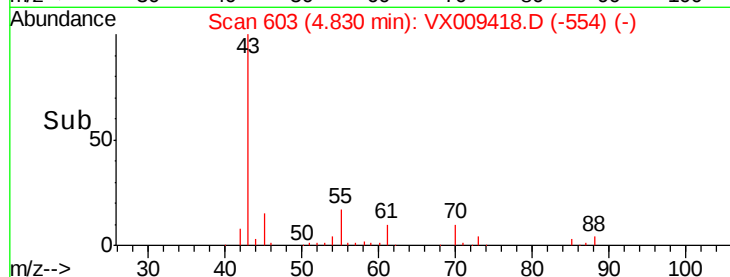
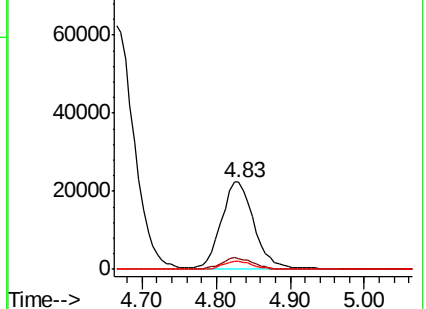
70 9.2 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 19.660 ug/l

RT: 5.78 min Scan# 759

Delta R.T. 0.00 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

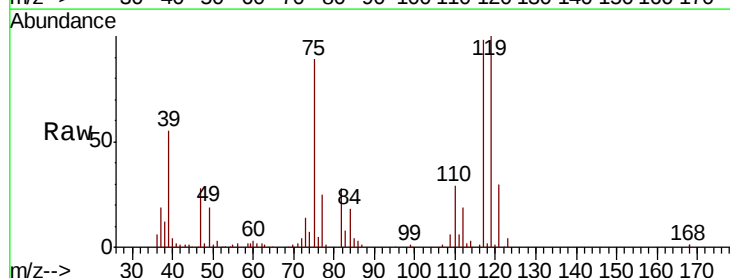
Tgt Ion: 117 Resp: 44596

Ion Ratio Lower Upper

117 100

119 101.8 77.5 116.3

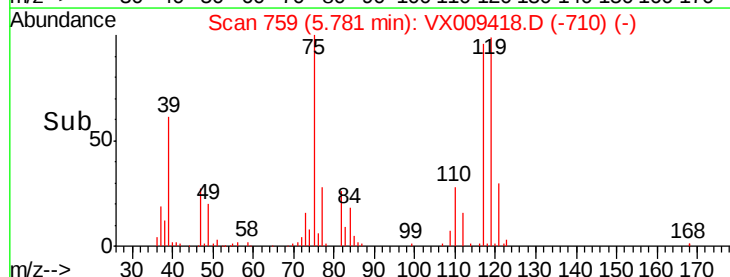
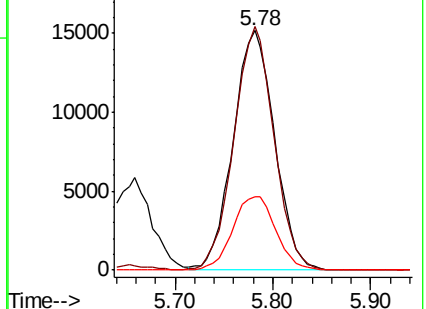
121 30.9 24.7 37.1

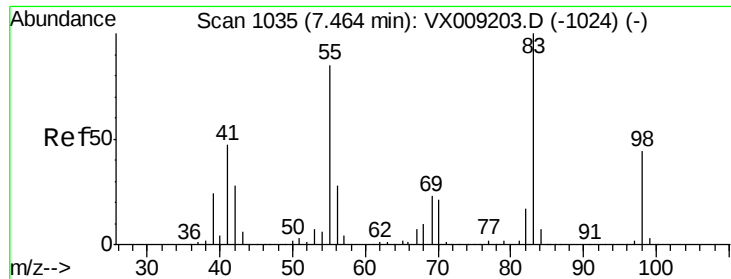


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

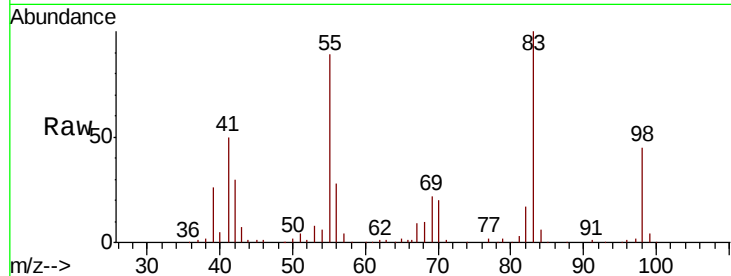




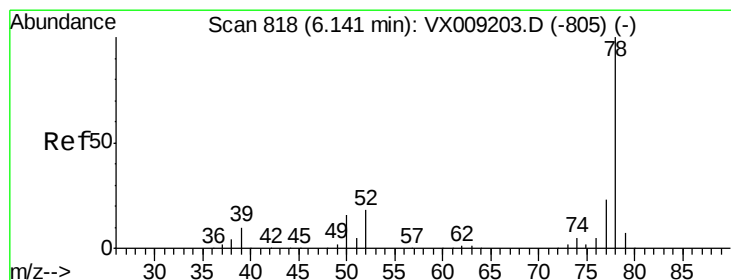
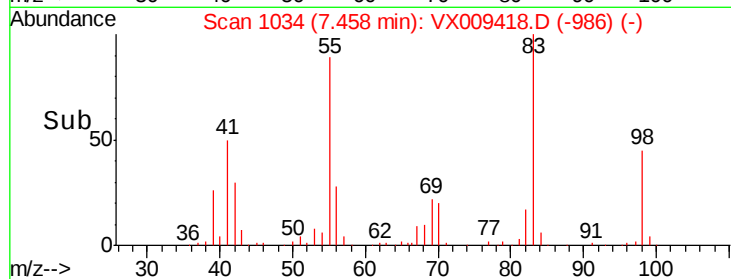
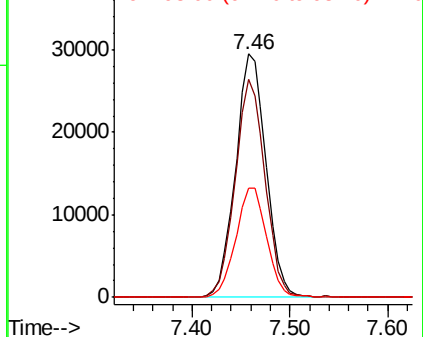
#39
Methvlcvclohexane
Concen: 20.854 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 83 Resp: 63939
Ion Ratio Lower Upper
83 100
55 89.3 67.7 101.5
98 45.1 35.5 53.3

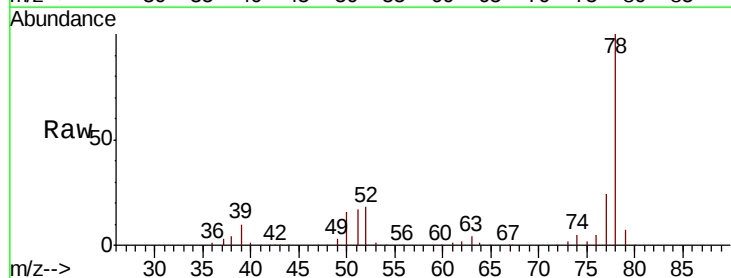


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

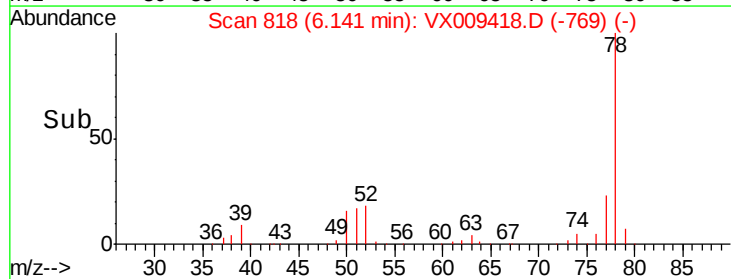
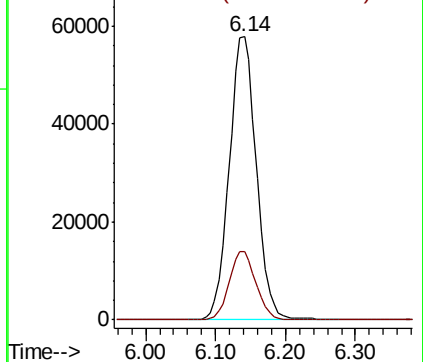


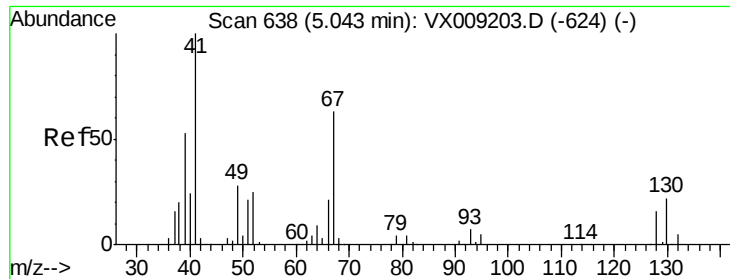
#40
Benzene
Concen: 20.157 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Tgt Ion: 78 Resp: 155740
Ion Ratio Lower Upper
78 100
77 24.1 18.8 28.2



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





#41

Methacrylonitrile

Concen: 18.133 ug/l

RT: 5.04 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 41 Resp: 37546

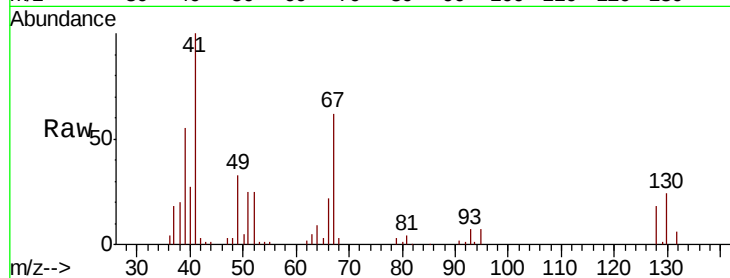
Ion Ratio Lower Upper

41 100

39 55.1 42.0 63.0

67 66.2 49.8 74.8

52 27.4 20.3 30.5

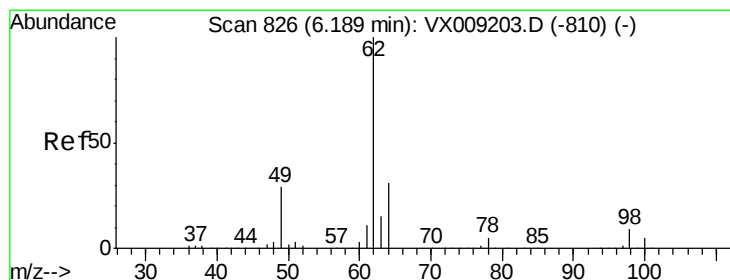
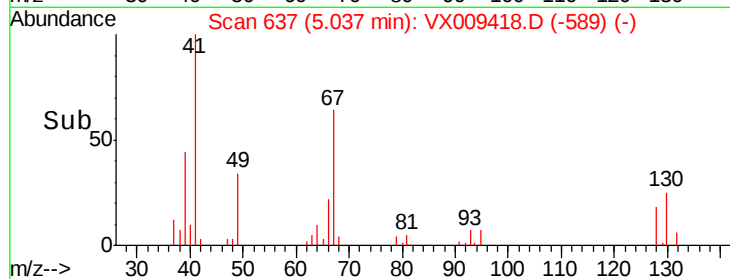
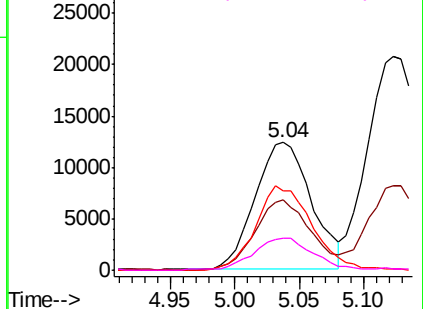


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 20.201 ug/l

RT: 6.19 min Scan# 826

Delta R.T. 0.00 min

Lab File: VX009418.D

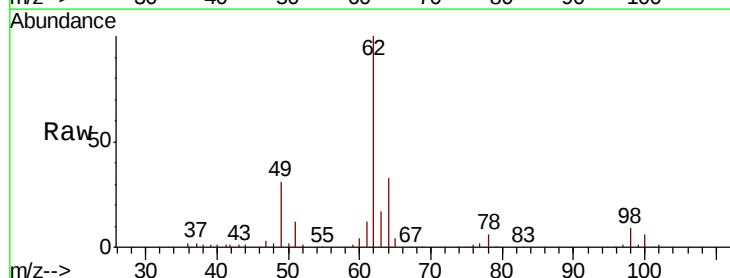
Acq: 09 May 2019 11:31

Tgt Ion: 62 Resp: 55990

Ion Ratio Lower Upper

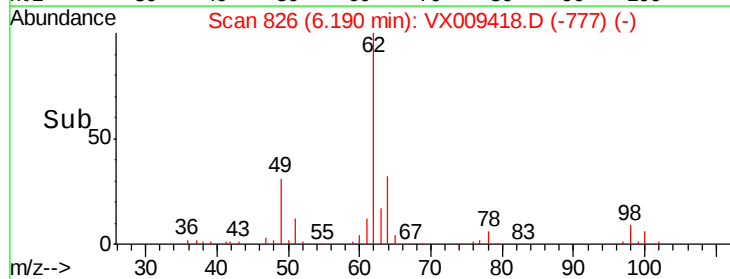
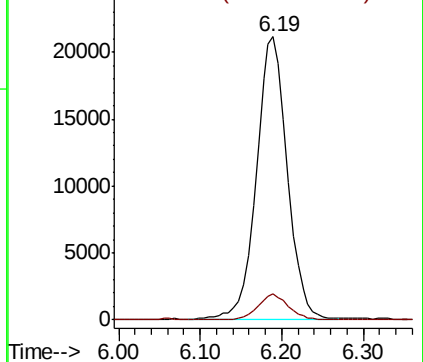
62 100

98 8.8 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



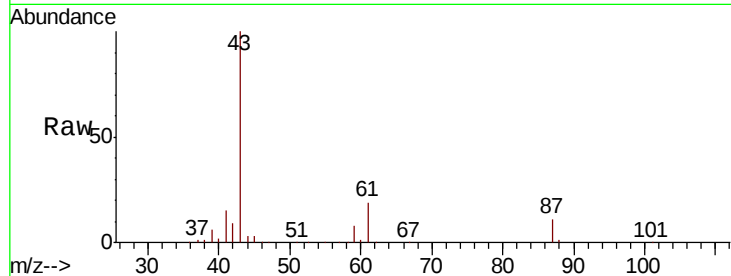


#43

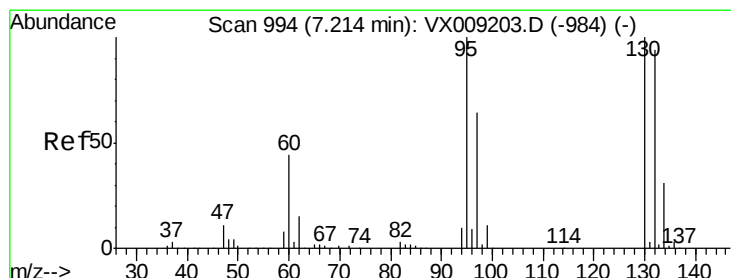
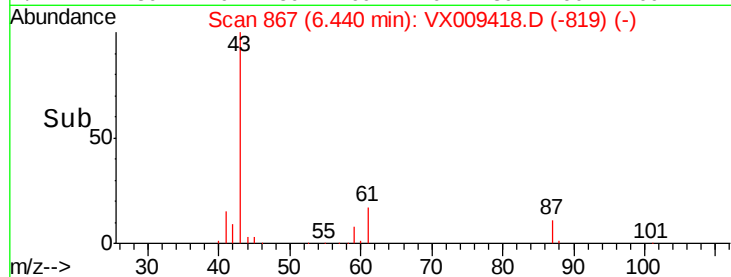
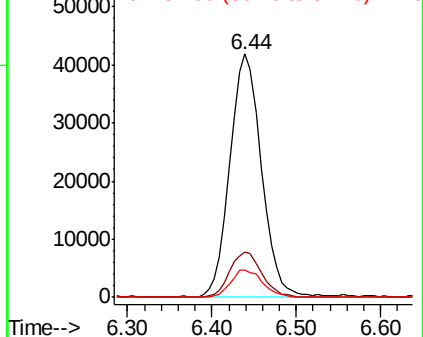
Isopropyl Acetate
 Concen: 18.961 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX009418.D
 Acq: 09 May 2019 11:31

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 43 Resp: 105499
 Ion Ratio Lower Upper
 43 100
 61 19.2 15.1 22.7
 87 11.4 9.0 13.6



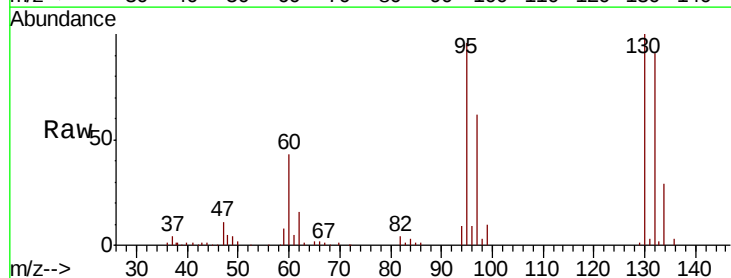
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



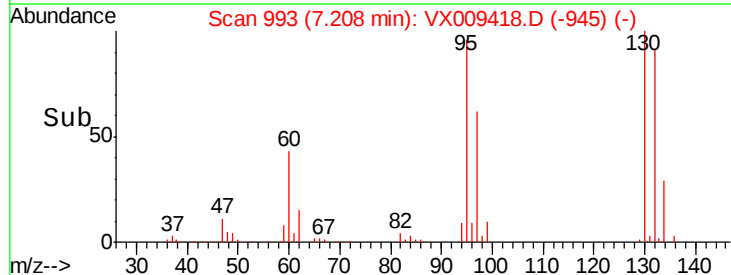
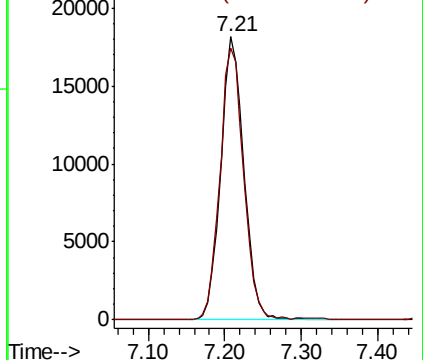
#44

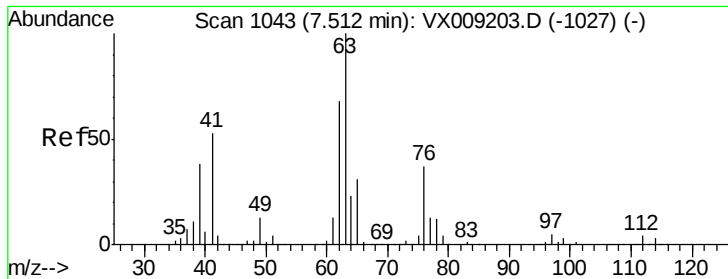
Trichloroethene
 Concen: 20.307 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX009418.D
 Acq: 09 May 2019 11:31

Tgt Ion:130 Resp: 37931
 Ion Ratio Lower Upper
 130 100
 95 96.2 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: 20.094 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Instrument :

MSVOA_X

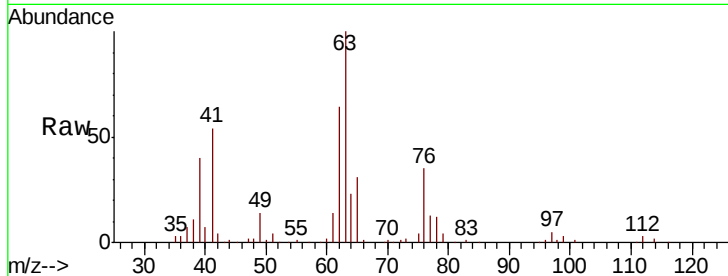
ClientSampled :

Tot Ion: 63 Resp: 43962

Ion Ratio Lower Upper

63 100

65 31.4 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

20000

15000

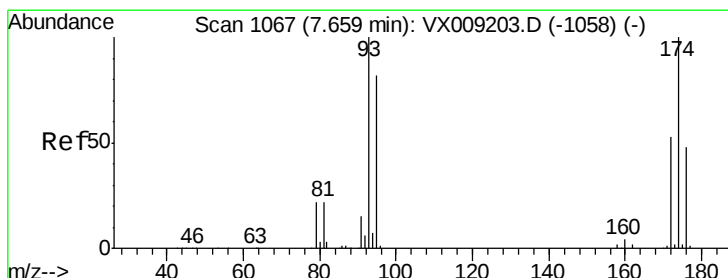
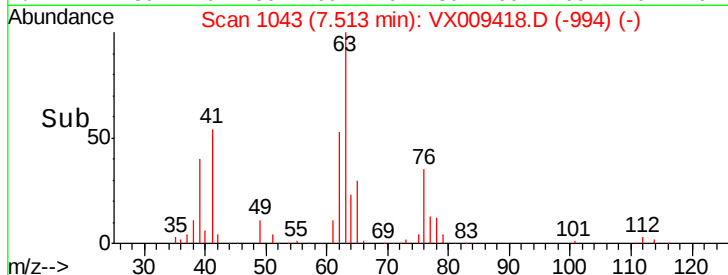
10000

5000

0

7.40 7.50 7.60

Time-->



#46

Dibromomethane

Concen: 19.441 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

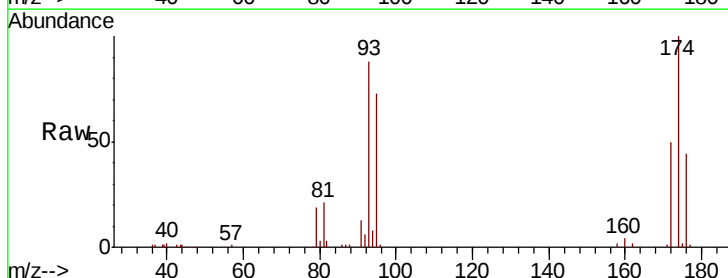
Tgt Ion: 93 Resp: 24700

Ion Ratio Lower Upper

93 100

95 82.4 66.5 99.7

174 108.5 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

20000

15000

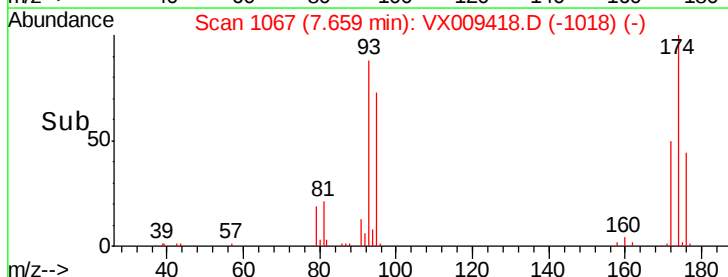
10000

5000

0

7.60 7.70 7.80

Time-->





#47

Bromodichloromethane

Concen: 19.550 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Instrument :

MSVOA_X

ClientSampleId :

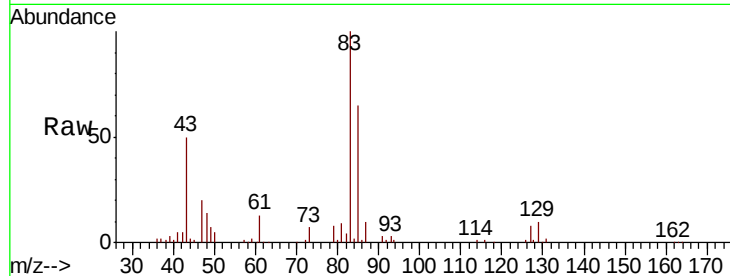
Tot Ion: 83 Resp: 49546

Ion Ratio Lower Upper

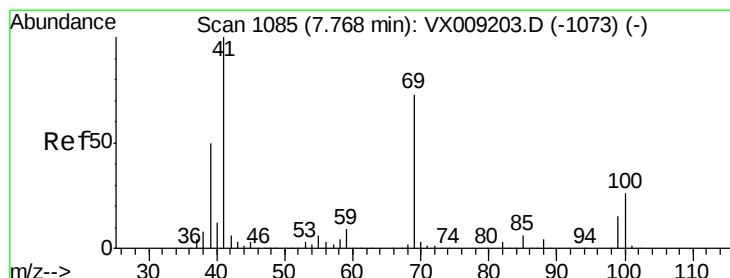
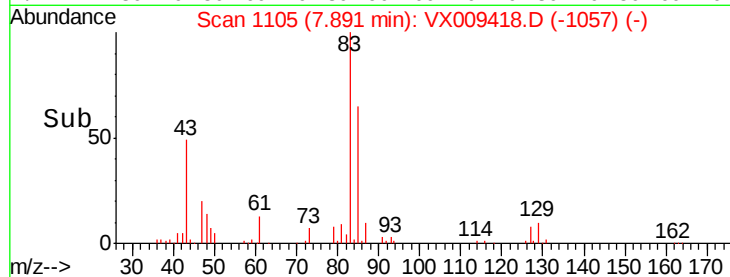
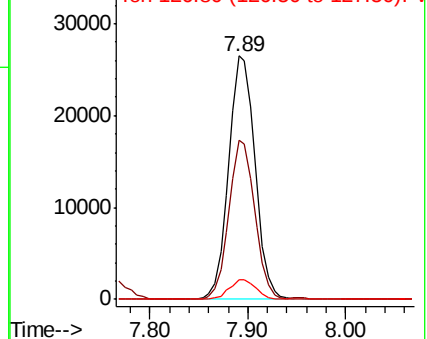
83 100

85 65.3 52.4 78.6

127 8.2 6.6 10.0



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.470 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

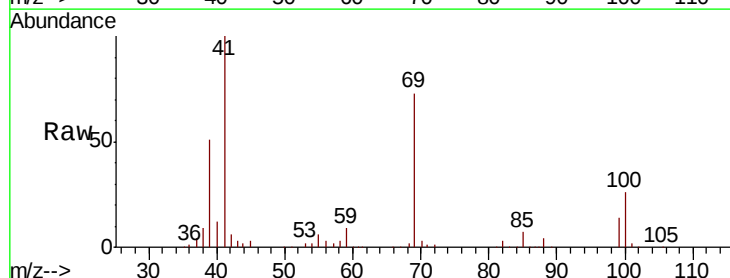
Tgt Ion: 41 Resp: 53747

Ion Ratio Lower Upper

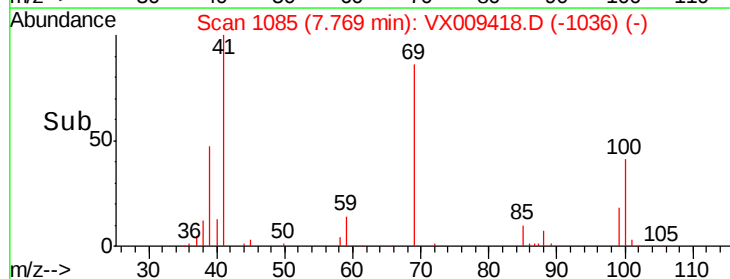
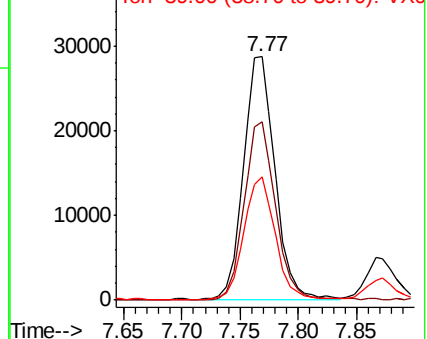
41 100

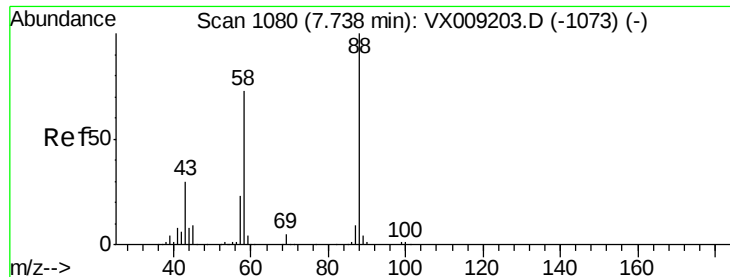
69 73.5 59.1 88.7

39 50.3 40.4 60.6



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

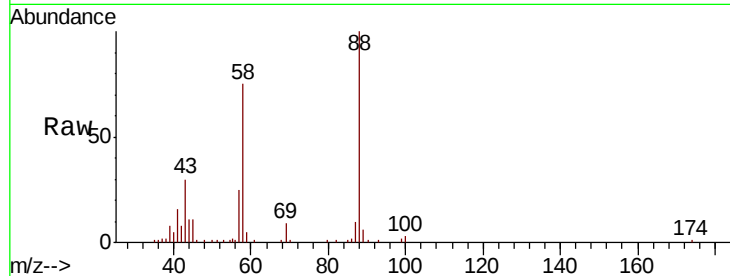




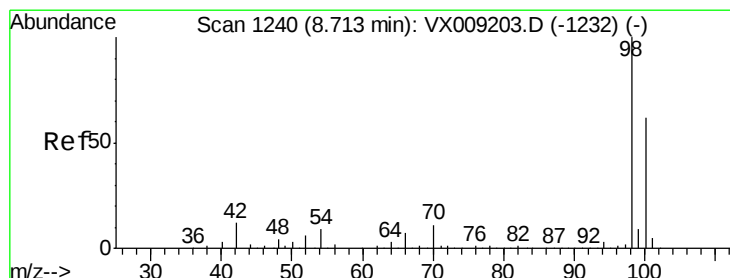
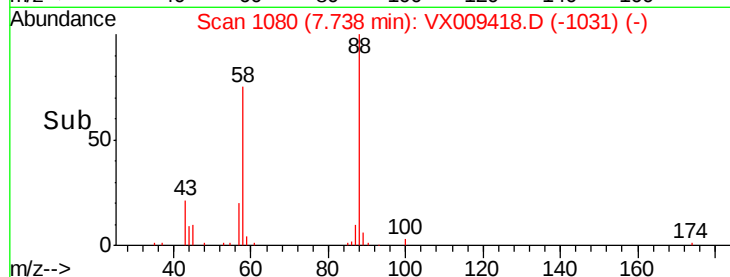
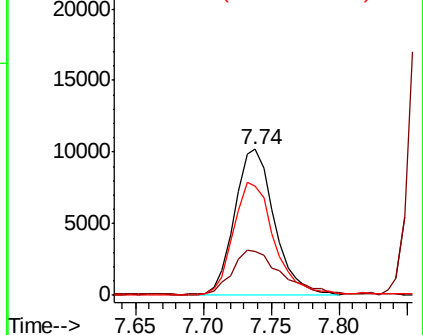
#49
1,4-Dioxane
Concen: 374.803 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 88 Resp: 20982
Ion Ratio Lower Upper
88 100
43 36.9 28.6 42.8
58 79.2 61.7 92.5

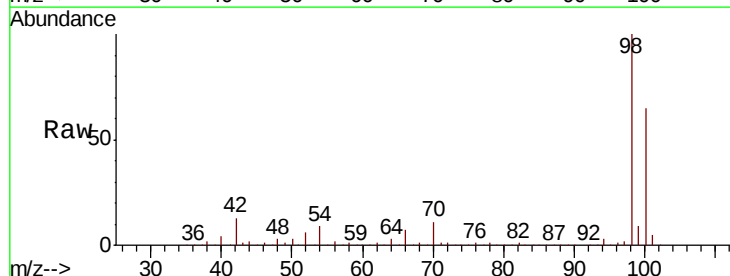


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

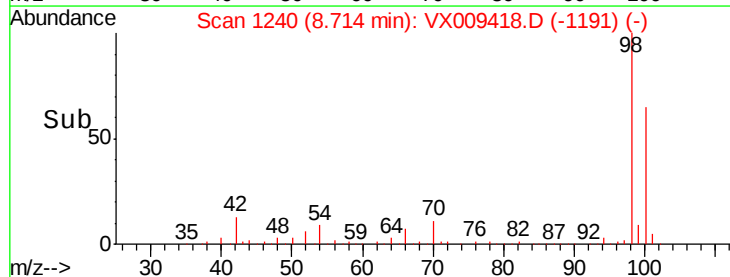
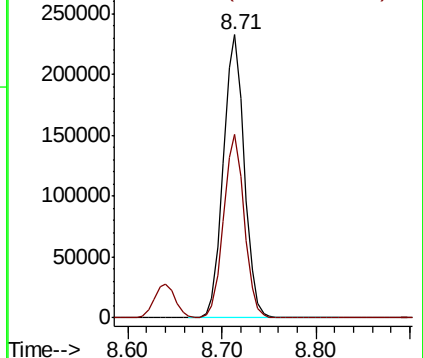


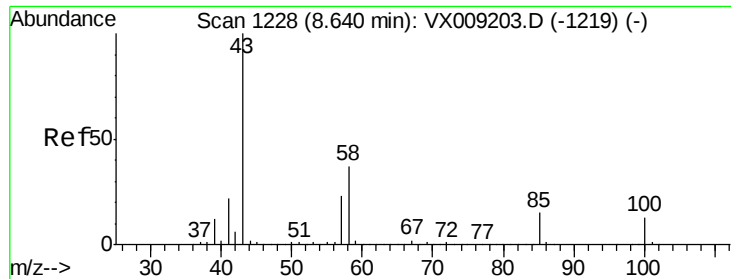
#50
Toluene-d8
Concen: 52.595 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Tgt Ion: 98 Resp: 358606
Ion Ratio Lower Upper
98 100
100 64.1 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: 95.597 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Instrument :

MSVOA_X

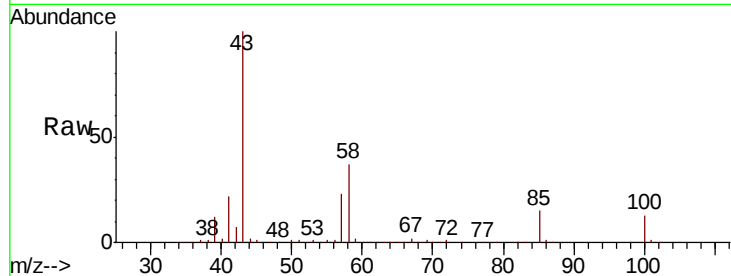
ClientSampleId :

Tot Ion: 43 Resp: 347664

Ion Ratio Lower Upper

43 100

58 36.9 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VX009418.D (-1179) (-)

Ion 58.00 (57.70 to 58.70): VX009418.D (-1179) (-)

8.64

250000

200000

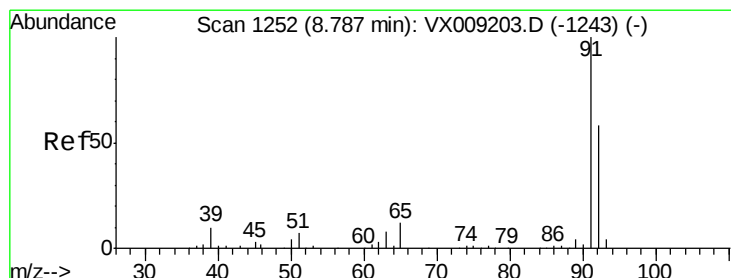
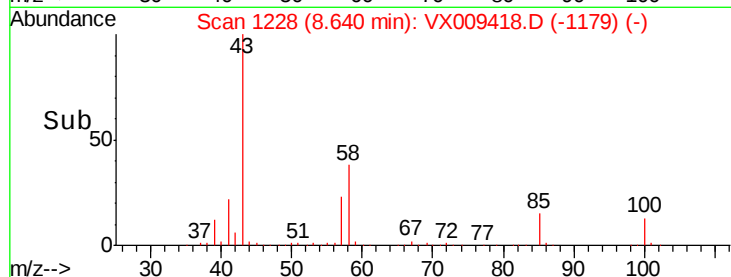
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.320 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009418.D

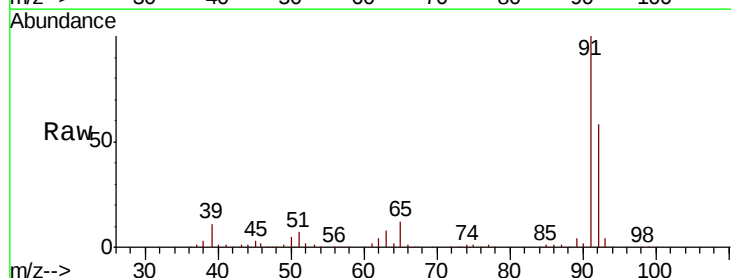
Acq: 09 May 2019 11:31

Tgt Ion: 92 Resp: 95437

Ion Ratio Lower Upper

92 100

91 173.4 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX009418.D (-1203) (-)

Ion 91.00 (90.70 to 91.70): VX009418.D (-1203) (-)

8.78

120000

100000

80000

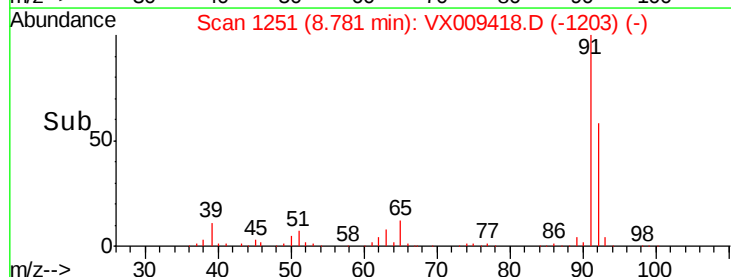
60000

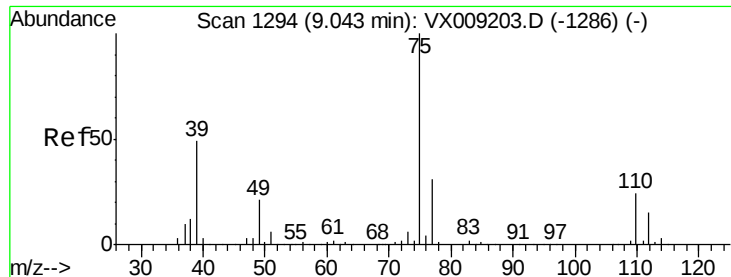
40000

20000

0

Time-->

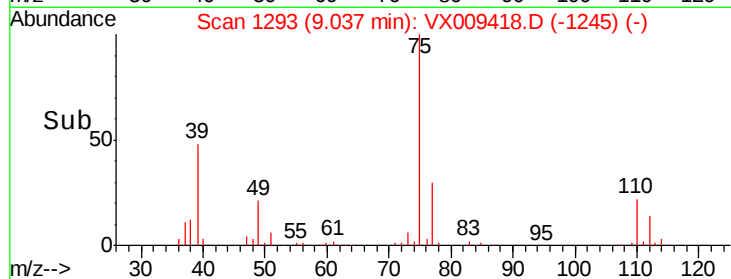
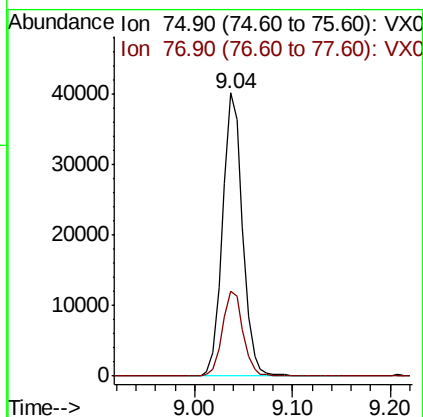
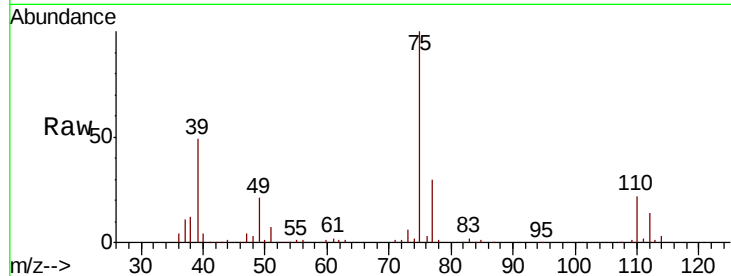




#53
t-1,3-Dichloropropene
Concen: 19.962 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

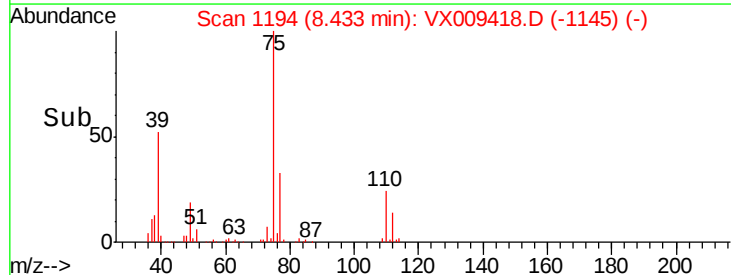
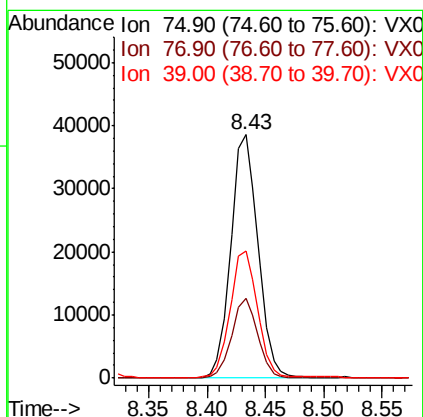
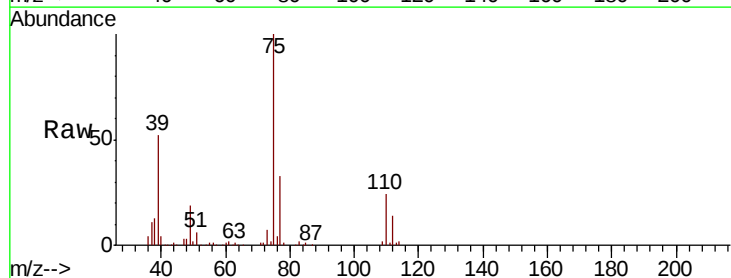
Instrument :
MSVOA_X
ClientSampleId :

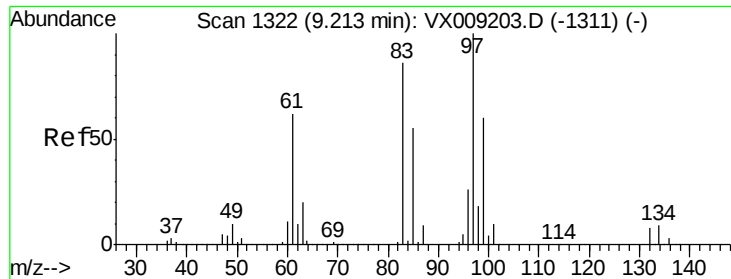
Tot Ion: 75 Resp: 57116
Ion Ratio Lower Upper
75 100
77 30.0 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 19.875 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Tgt Ion: 75 Resp: 62945
Ion Ratio Lower Upper
75 100
77 32.6 24.6 36.8
39 52.1 40.6 60.8

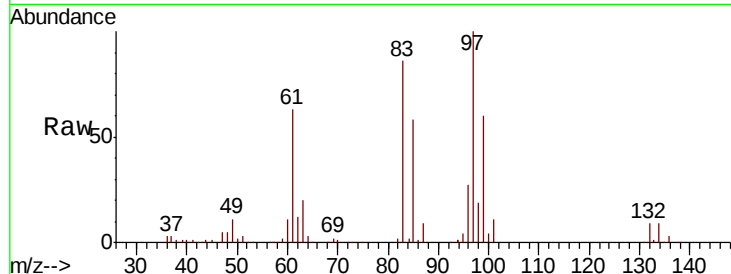




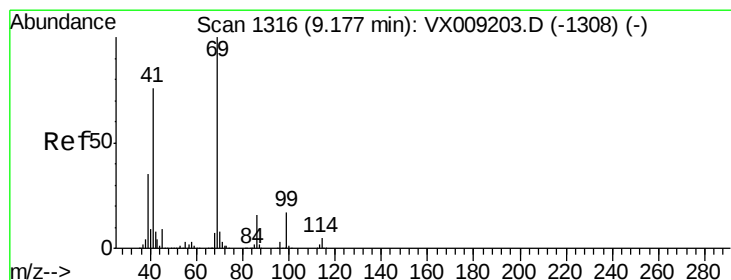
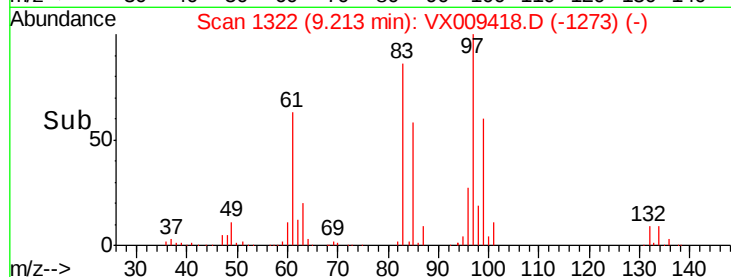
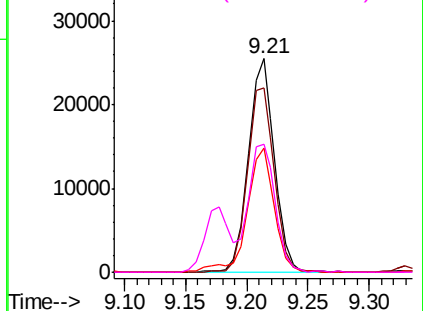
#55
 1,1,2-Trichloroethane
 Concen: 19.693 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009418.D
 Acq: 09 May 2019 11:31

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:	97	Resp:	37735
Ion	Ratio	Lower	Upper
97	100		
83	86.4	68.9	103.3
85	57.9	43.8	65.6
99	59.9	48.2	72.2

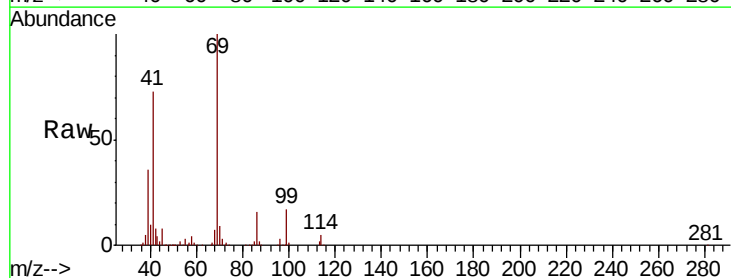


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

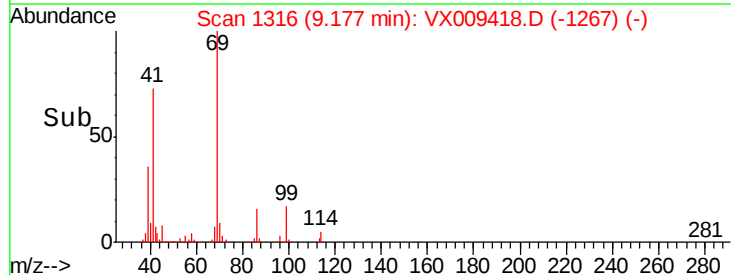
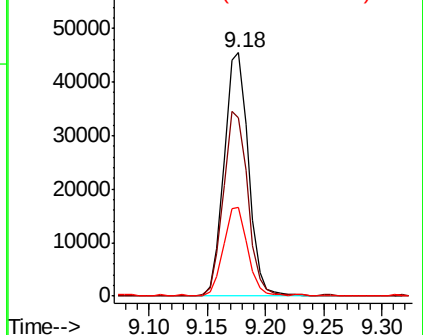


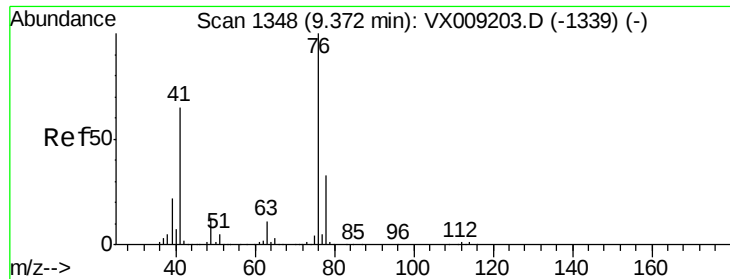
#56
 Ethyl methacrylate
 Concen: 19.317 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009418.D
 Acq: 09 May 2019 11:31

Tgt Ion:	69	Resp:	66073
Ion	Ratio	Lower	Upper
69	100		
41	75.7	60.6	90.8
39	35.4	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: 19.846 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Instrument :

MSVOA_X

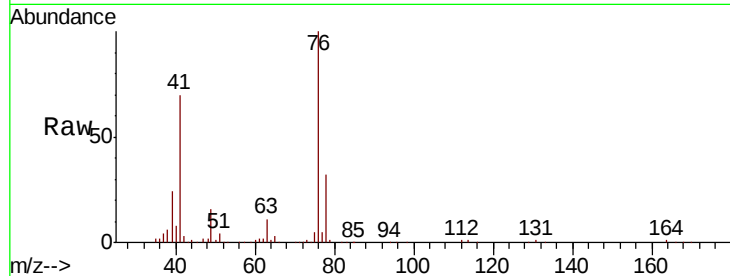
ClientSampled :

Tot Ion: 76 Resp: 66919

Ion Ratio Lower Upper

76 100

78 32.1 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

50000

40000

30000

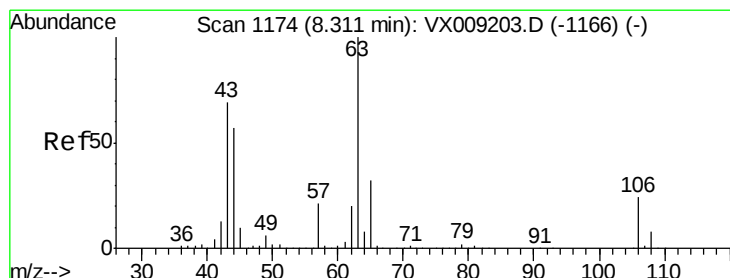
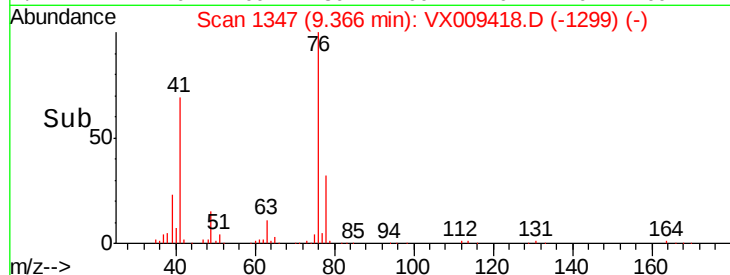
20000

10000

0

9.30 9.35 9.40 9.45

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 92.612 ug/l

RT: 8.31 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VX009418.D

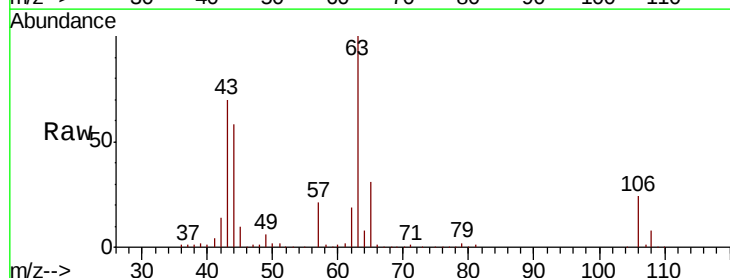
Acq: 09 May 2019 11:31

Tgt Ion: 63 Resp: 168046

Ion Ratio Lower Upper

63 100

106 24.9 19.7 29.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

120000

100000

80000

60000

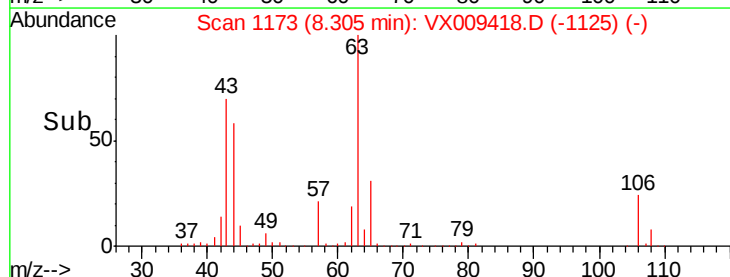
40000

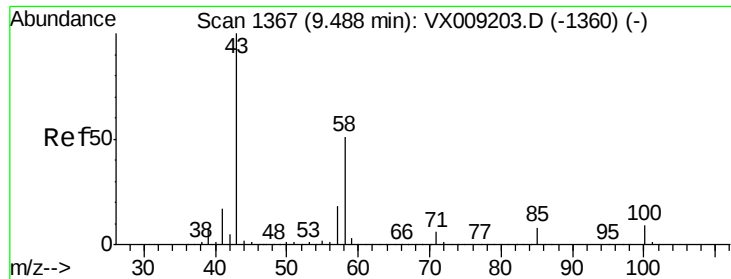
20000

0

8.20 8.30 8.40

Time-->

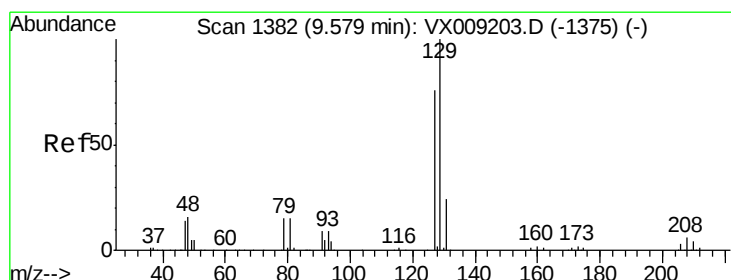
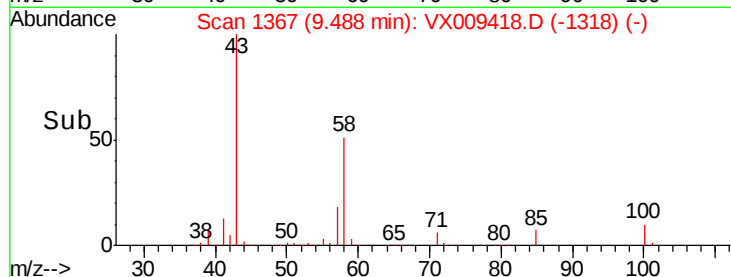
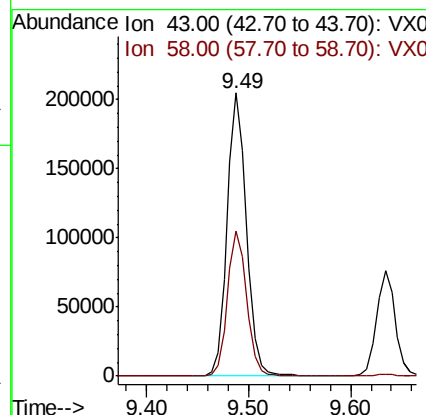
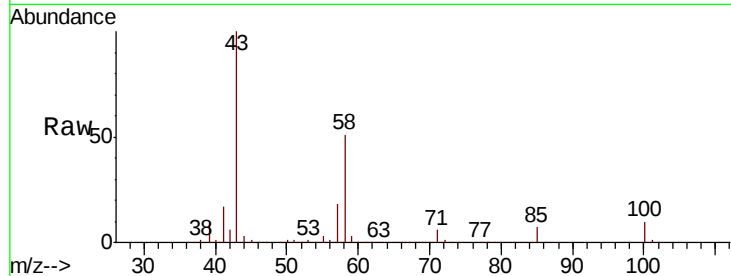




#59
2-Hexanone
Concen: 94.582 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

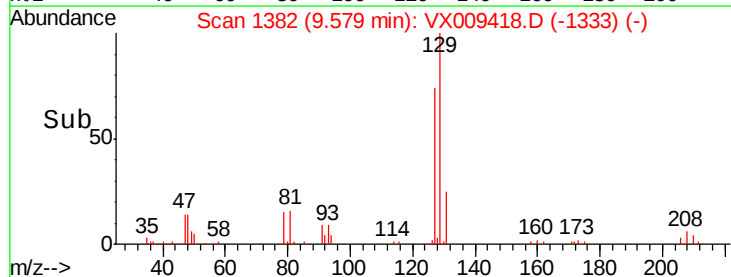
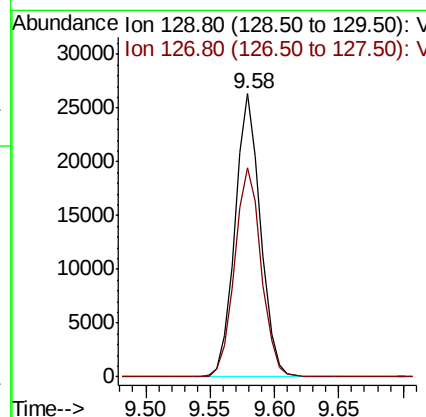
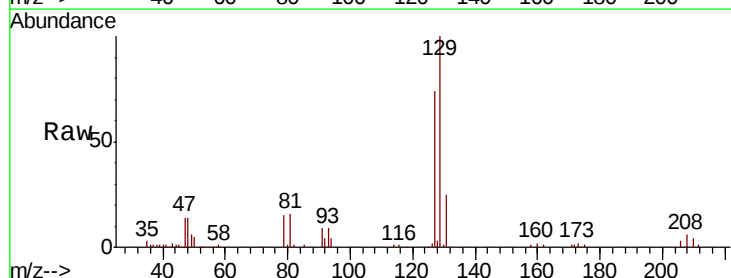
Instrument :
MSVOA_X
ClientSampleId :

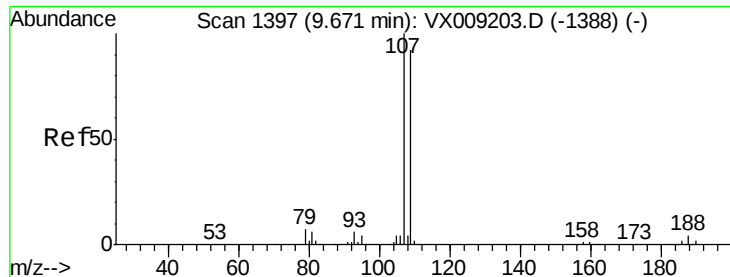
Tot Ion: 43 Resp: 270152
Ion Ratio Lower Upper
43 100
58 51.0 25.9 77.7



#60
Dibromochloromethane
Concen: 19.500 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Tgt Ion:129 Resp: 36494
Ion Ratio Lower Upper
129 100
127 77.0 38.4 115.1





#61

1,2-Dibromoethane

Concen: 20.117 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Instrument :

MSVOA_X

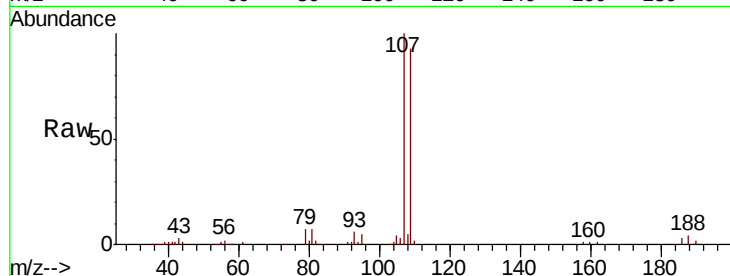
ClientSampleId :

Tot Ion:107 Resp: 38911

Ion Ratio Lower Upper

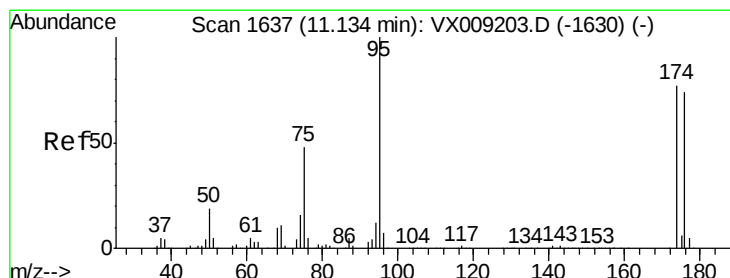
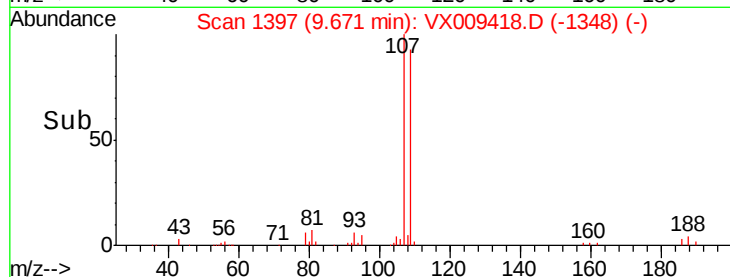
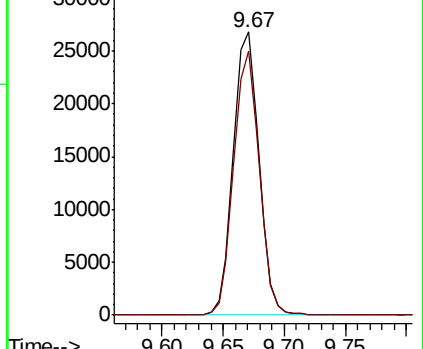
107 100

109 92.7 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.635 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

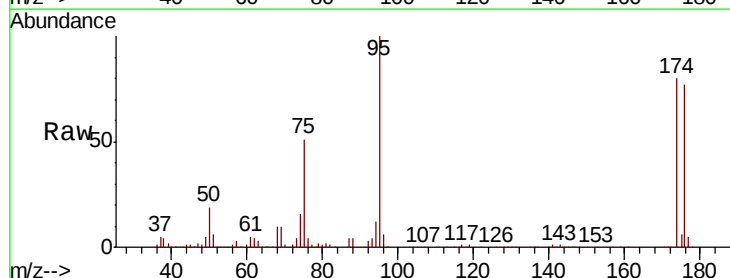
Tgt Ion: 95 Resp: 130402

Ion Ratio Lower Upper

95 100

174 82.1 0.0 161.6

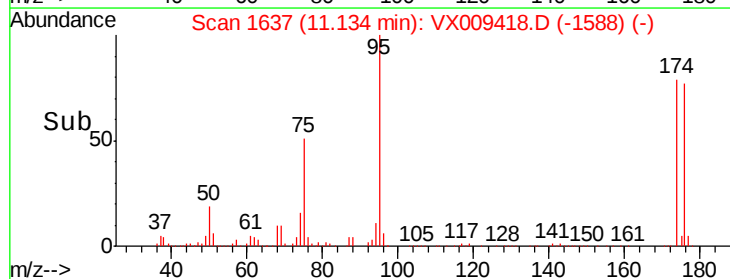
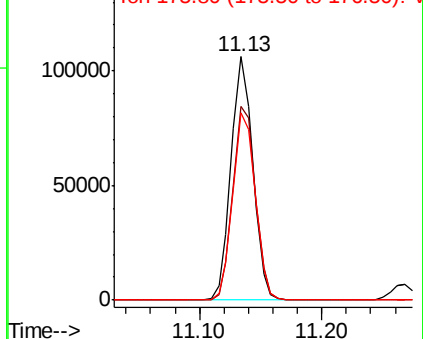
176 79.7 0.0 159.2

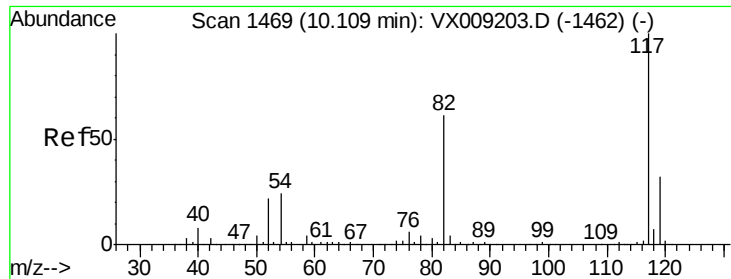


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

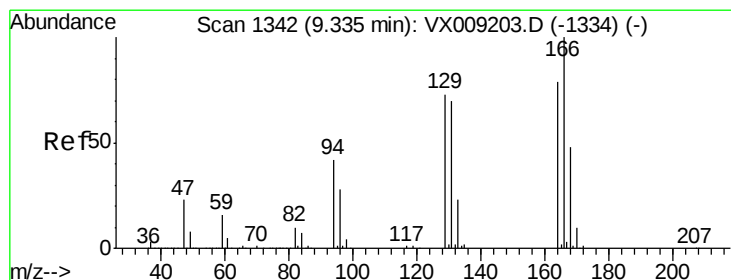
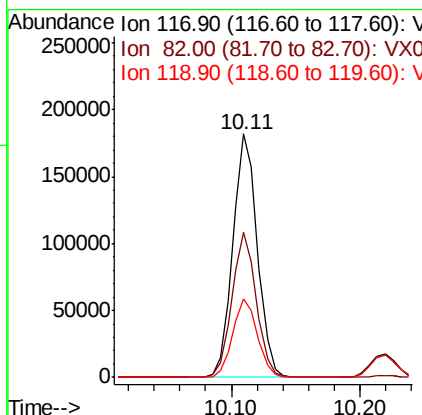
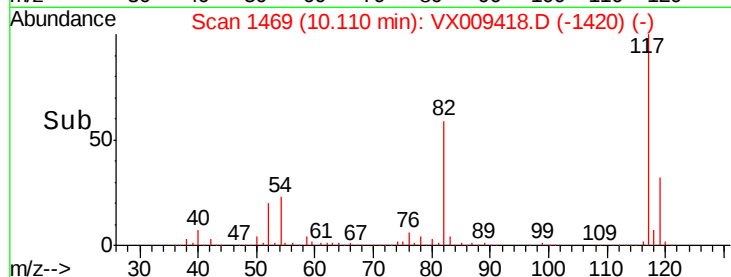
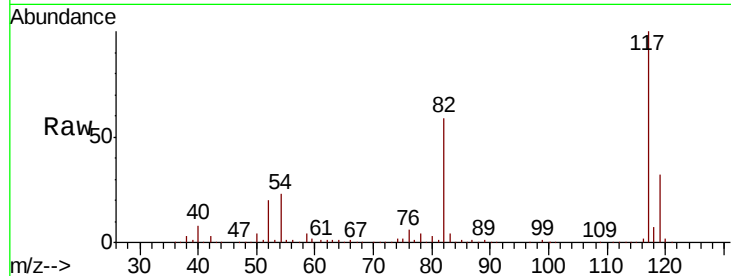




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

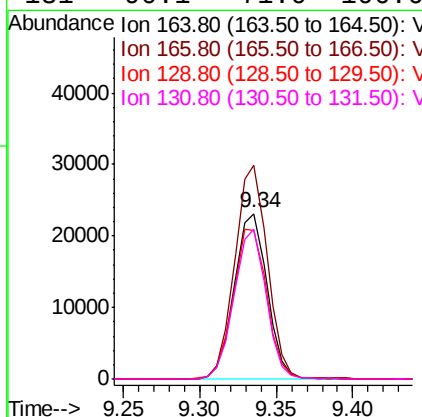
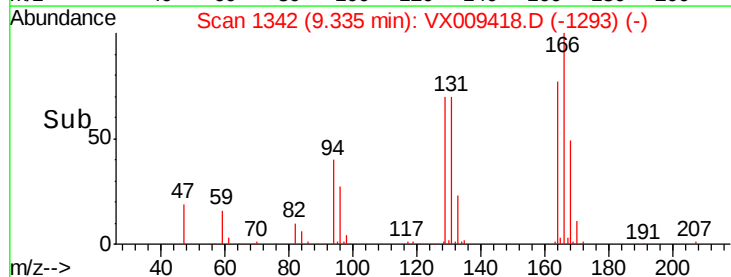
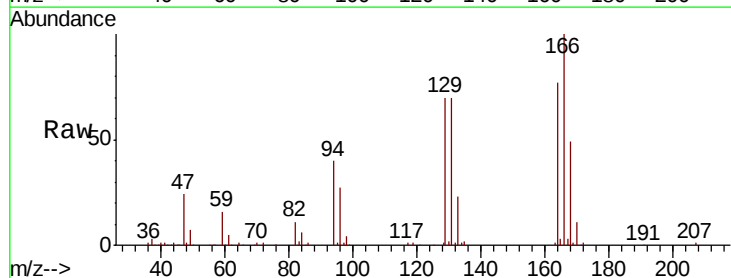
Instrument :
MSVOA_X
ClientSampled :

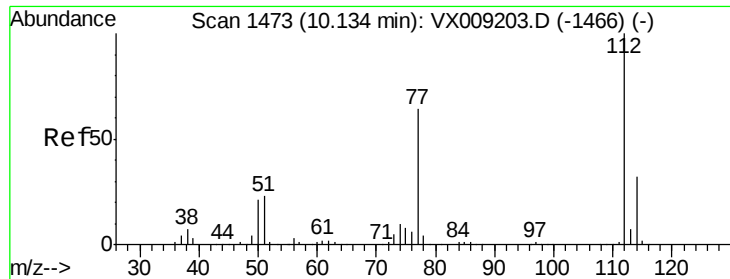
Tot Ion:117 Resp: 242003
Ion Ratio Lower Upper
117 100
82 59.3 48.8 73.2
119 32.0 25.8 38.6



#64
Tetrachloroethene
Concen: 20.834 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Tgt Ion:164 Resp: 34585
Ion Ratio Lower Upper
164 100
166 129.1 101.2 151.8
129 89.9 74.3 111.5
131 90.1 71.0 106.6

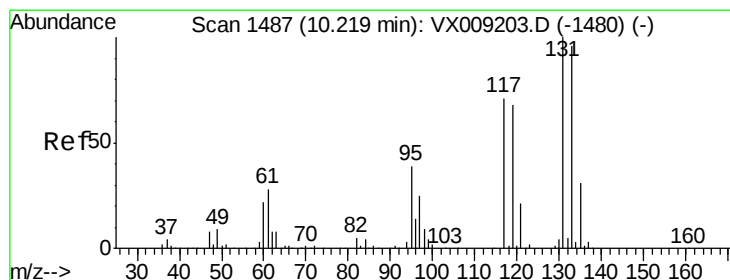
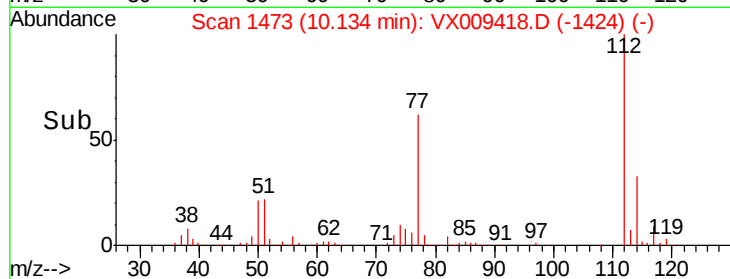
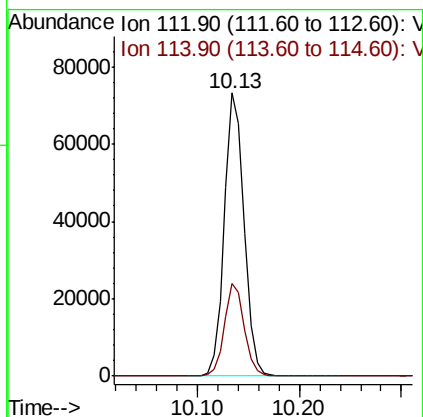
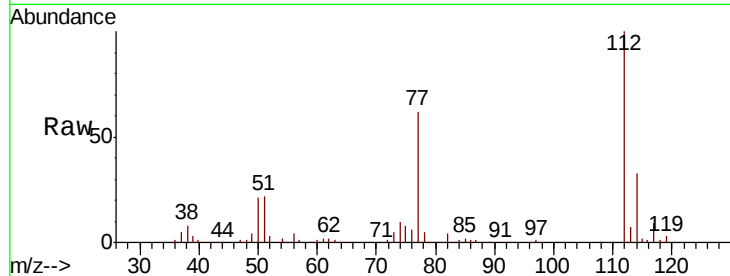




#65
Chlorobenzene
Concen: 20.298 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

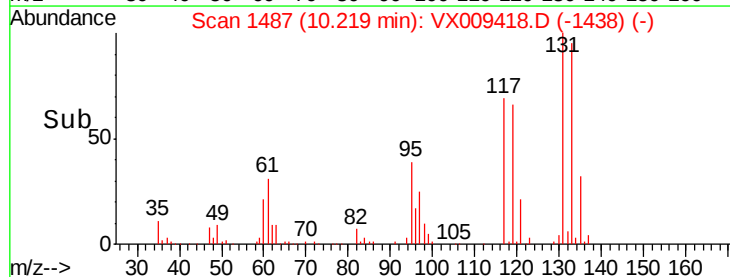
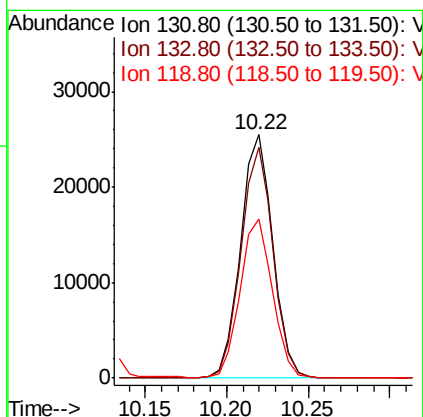
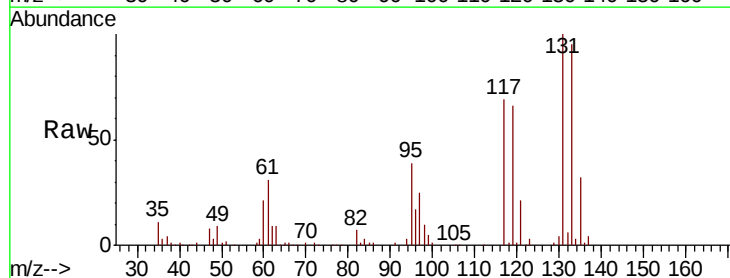
Instrument :
MSVOA_X
ClientSampled :

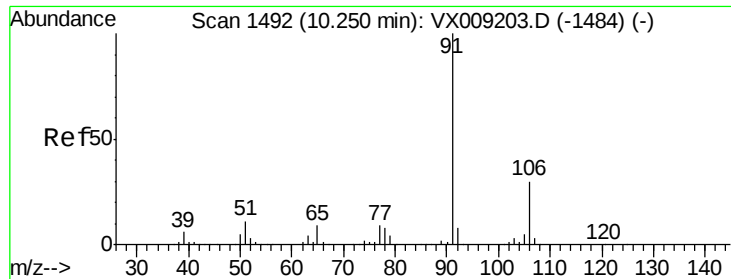
Tot Ion:112 Resp: 98264
Ion Ratio Lower Upper
112 100
114 32.5 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 19.967 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Tgt Ion:131 Resp: 35044
Ion Ratio Lower Upper
131 100
133 94.5 47.7 143.1
119 66.0 33.5 100.4

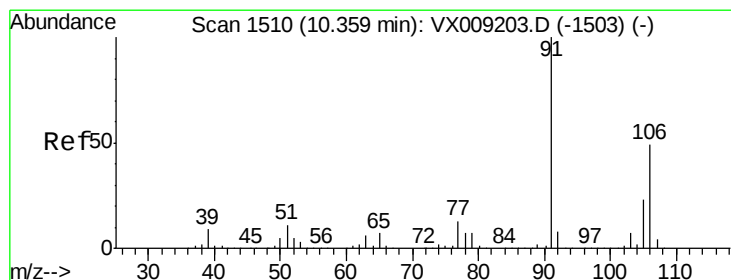
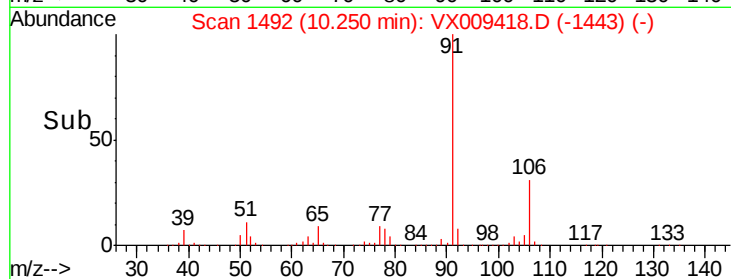
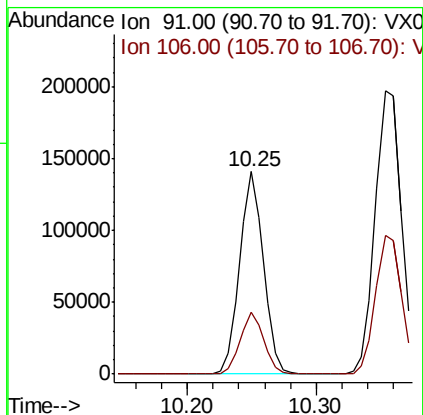
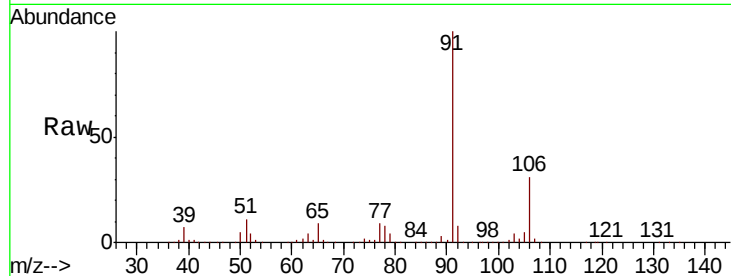




#67
Ethyl Benzene
Concen: 20.273 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

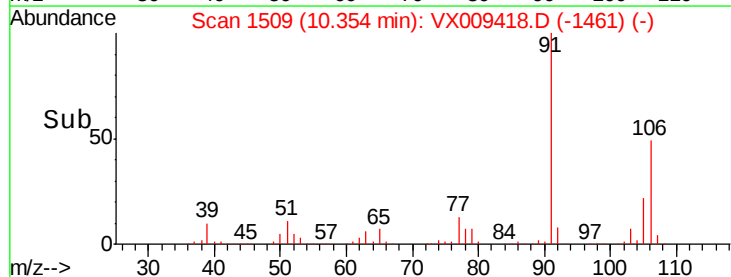
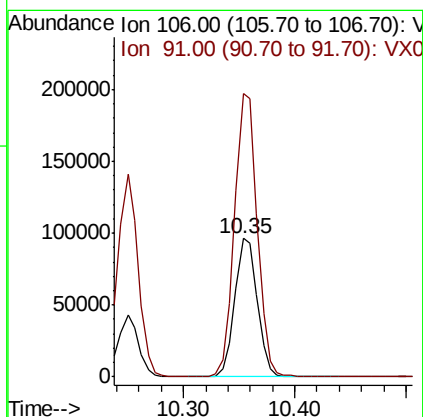
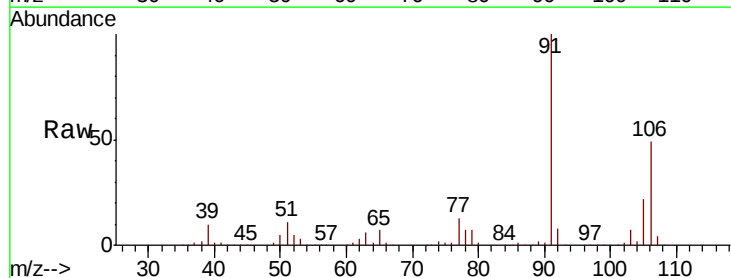
Instrument :
MSVOA_X
ClientSampled :

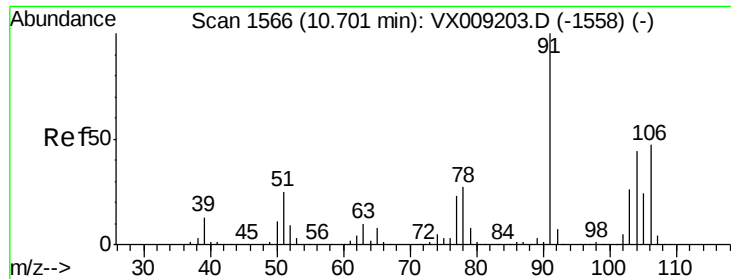
Tot Ion: 91 Resp: 180621
Ion Ratio Lower Upper
91 100
106 30.6 24.0 36.0



#68
m/p-Xylenes
Concen: 41.369 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Tgt Ion: 106 Resp: 134692
Ion Ratio Lower Upper
106 100
91 205.7 164.0 246.0

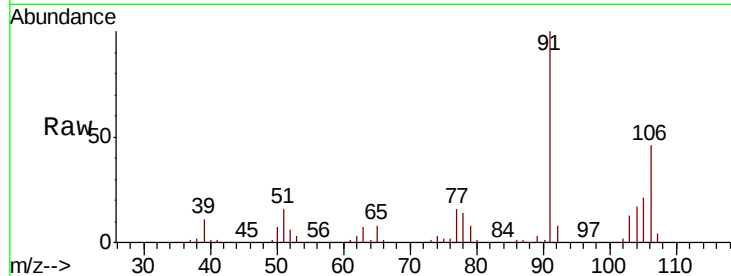




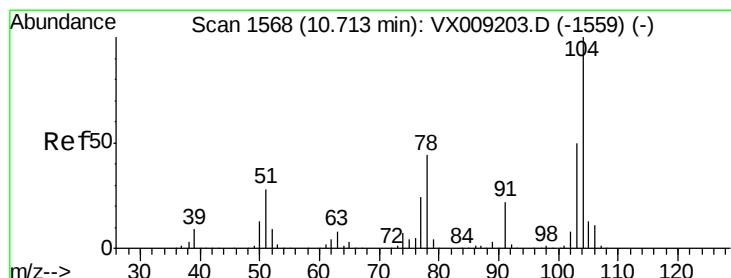
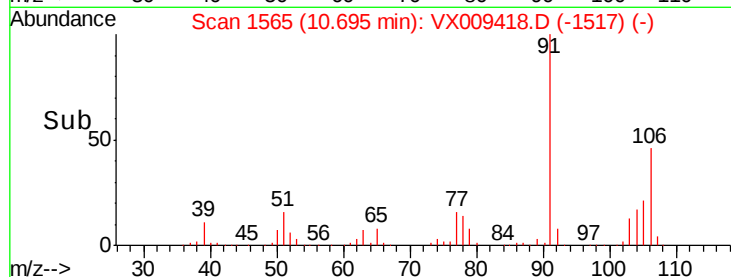
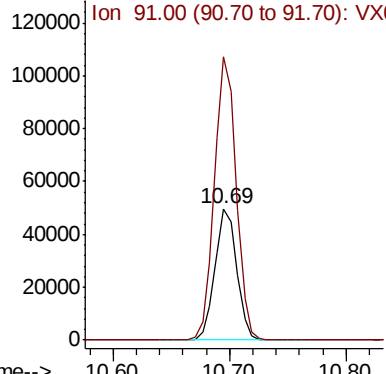
#69
o-Xylene
Concen: 20.382 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:106 Resp: 65476
Ion Ratio Lower Upper
106 100
91 215.0 109.5 328.4

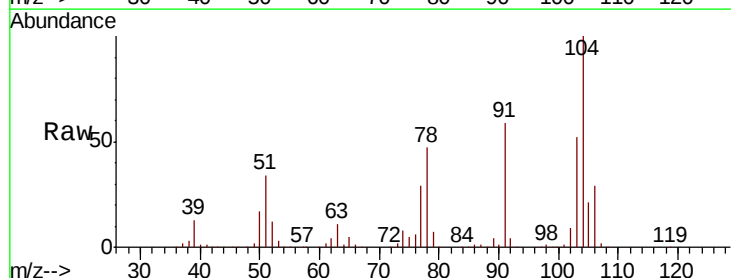


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

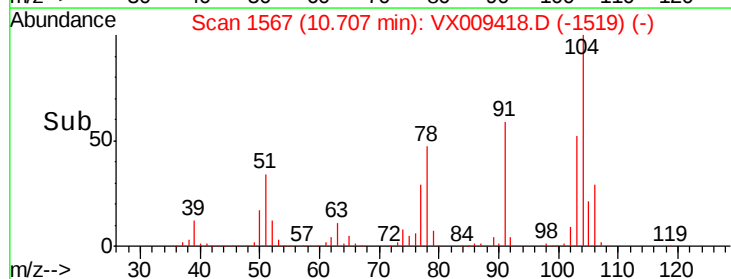
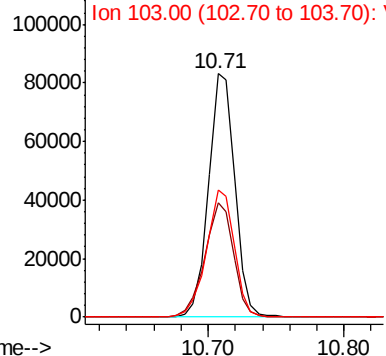


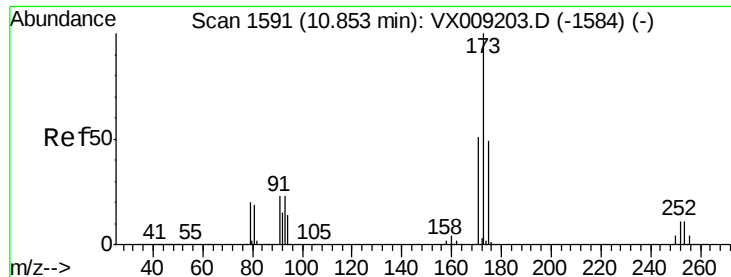
#70
Styrene
Concen: 20.046 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Tgt Ion:104 Resp: 111926
Ion Ratio Lower Upper
104 100
78 51.6 41.0 61.4
103 55.8 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





#71

Bromoform

Concen: 18.962 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Instrument :

MSVOA_X

ClientSampled :

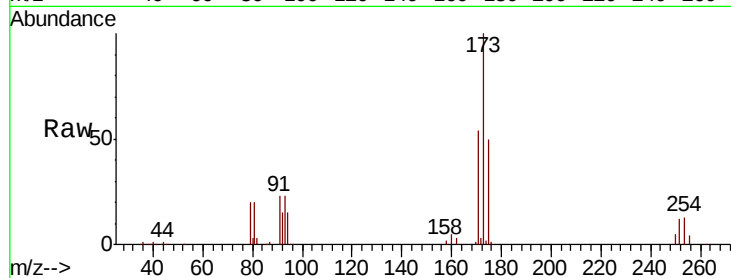
Tot Ion:173 Resp: 27045

Ion Ratio Lower Upper

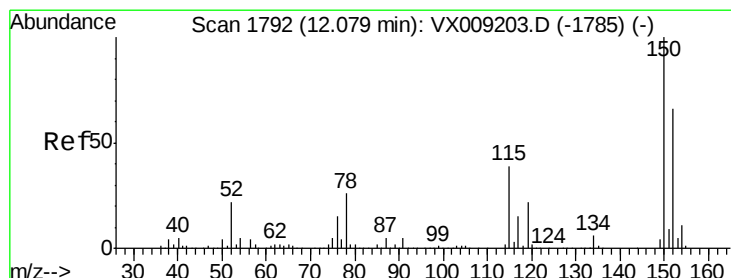
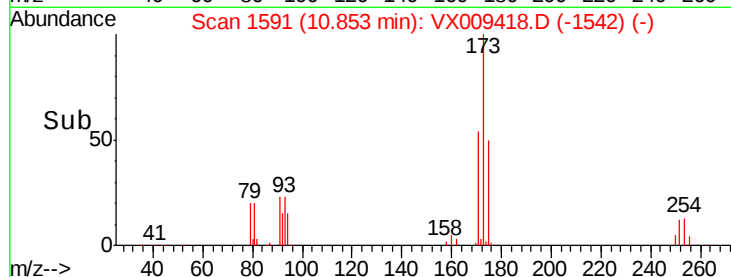
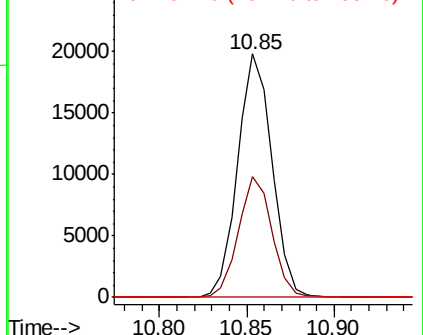
173 100

175 48.5 24.5 73.5

254 0.1 0.1 0.1



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

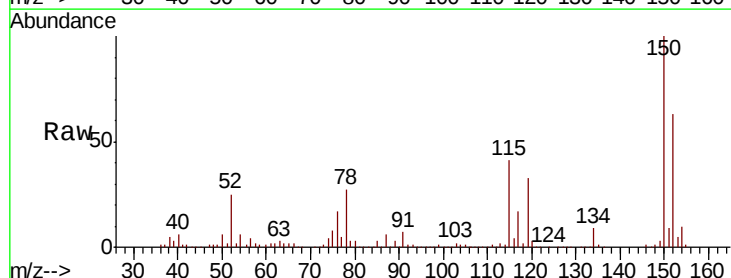
Tgt Ion:152 Resp: 119356

Ion Ratio Lower Upper

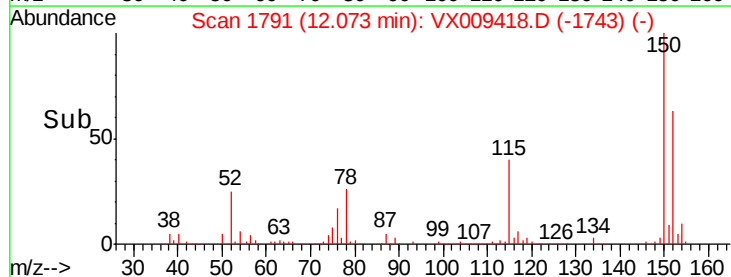
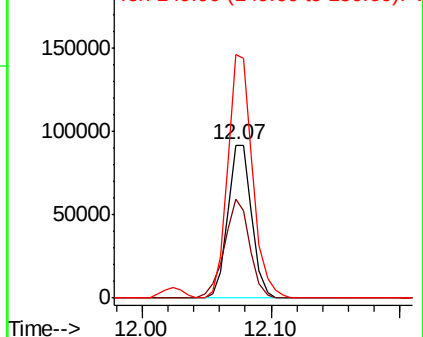
152 100

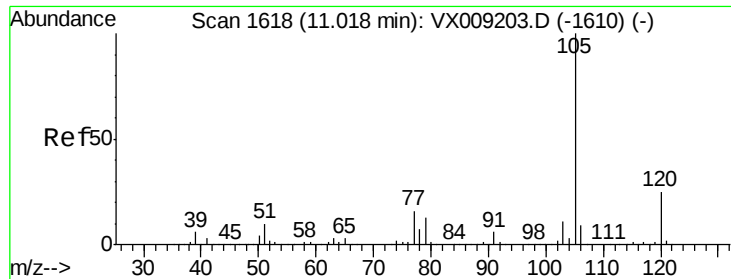
115 68.3 41.2 123.6

150 164.0 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: 20.127 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Instrument :

MSVOA_X

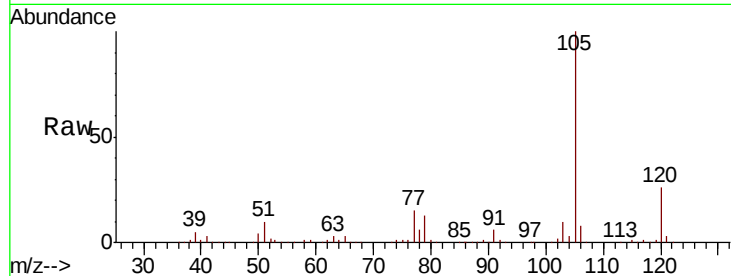
ClientSampleId :

Tot Ion:105 Resp: 174693

Ion Ratio Lower Upper

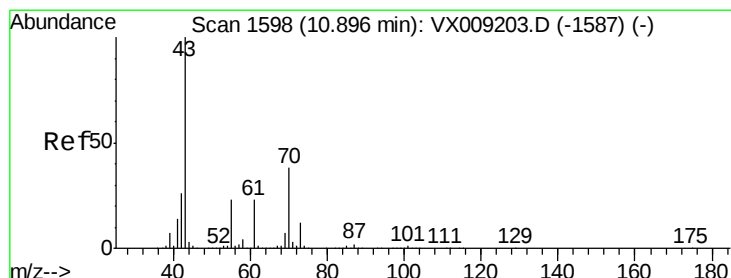
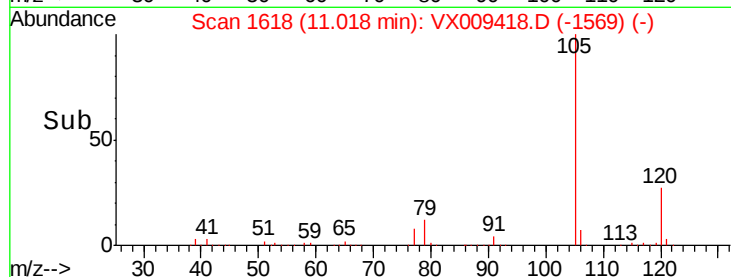
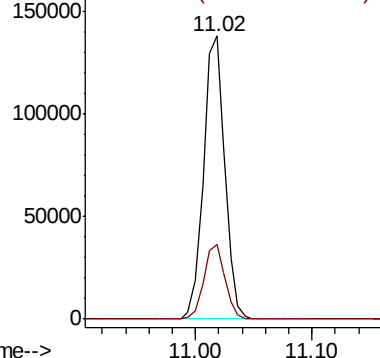
105 100

120 26.1 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.520 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Tgt Ion: 43 Resp: 93716

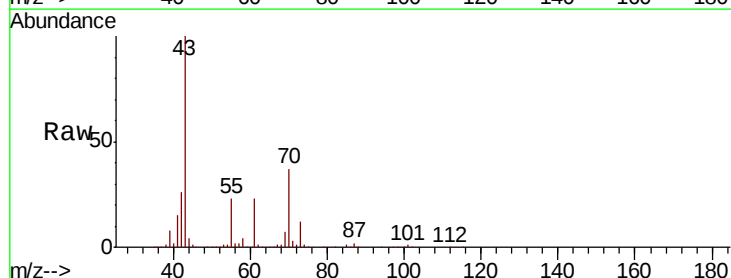
Ion Ratio Lower Upper

43 100

70 37.4 30.0 45.0

55 23.3 17.9 26.9

61 22.6 18.4 27.6

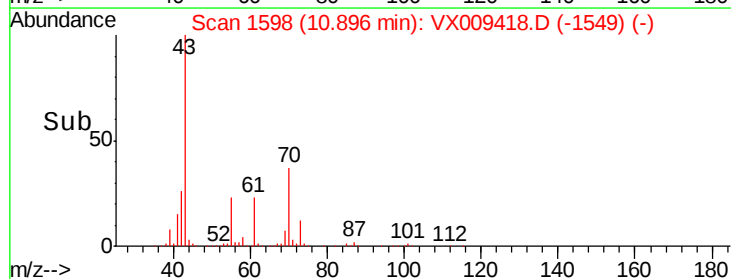
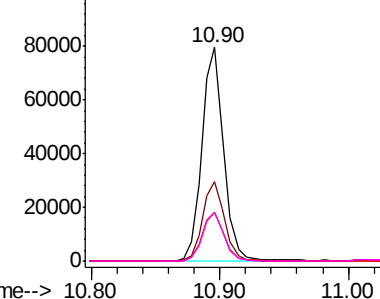


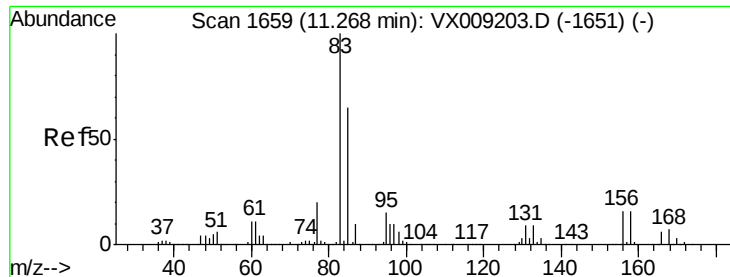
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.722 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Instrument :

MSVOA_X

ClientSampleId :

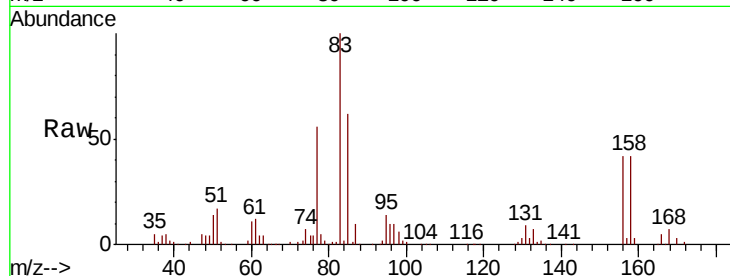
Tot Ion: 83 Resp: 60575

Ion Ratio Lower Upper

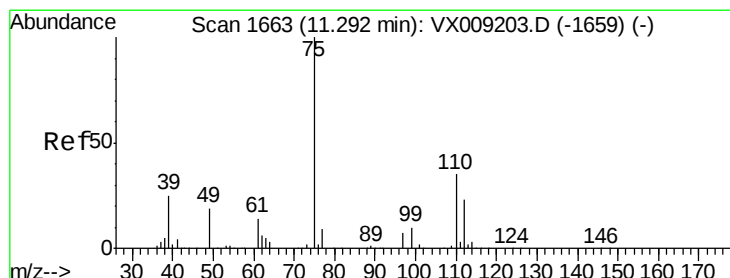
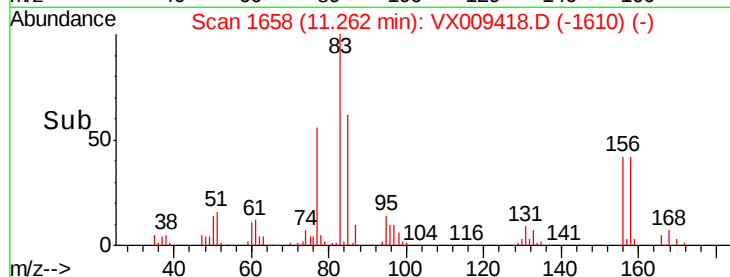
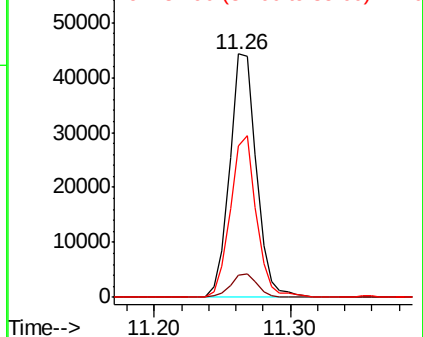
83 100

131 9.6 4.6 13.8

85 64.5 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: 25.315 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX009418.D

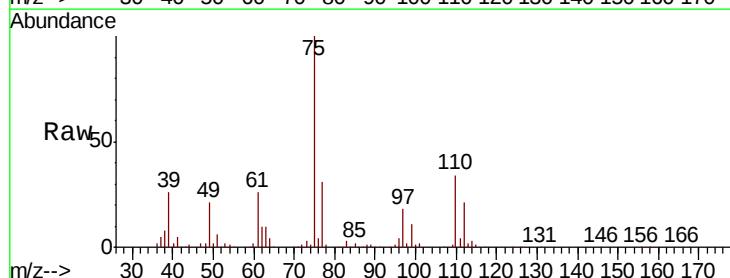
Acq: 09 May 2019 11:31

Tgt Ion: 75 Resp: 70089

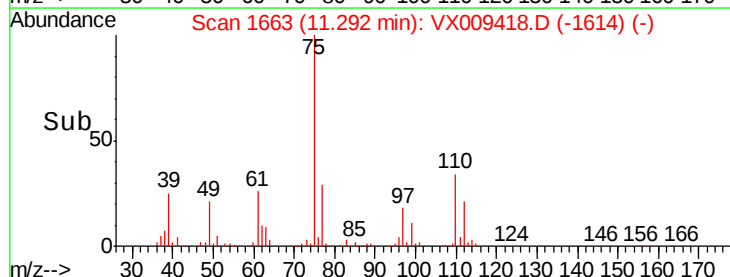
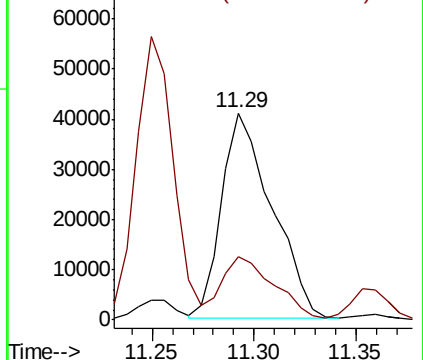
Ion Ratio Lower Upper

75 100

77 32.0 22.1 66.1



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





#77

Bromobenzene

Concen: 20.017 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Instrument :

MSVOA_X

ClientSampleId :

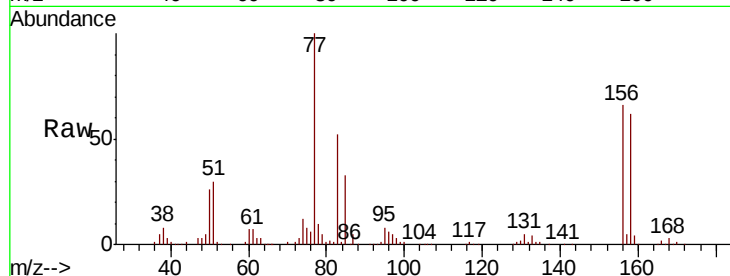
Tot Ion:156 Resp: 43122

Ion Ratio Lower Upper

156 100

77 166.9 84.8 254.3

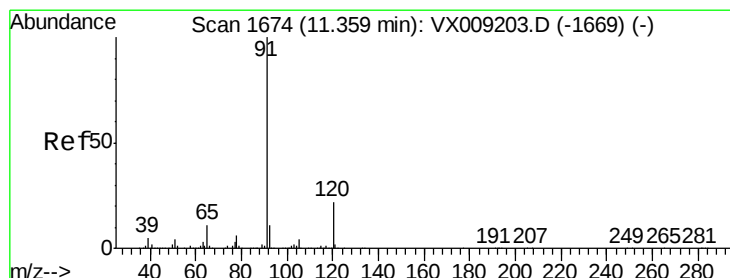
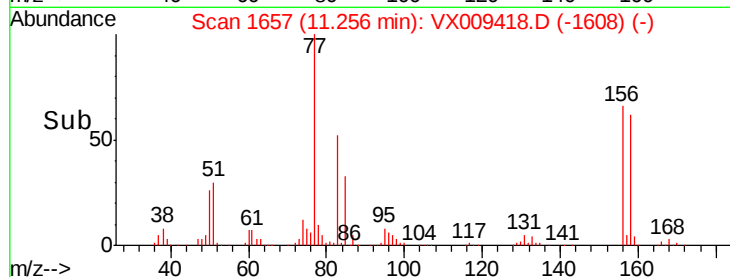
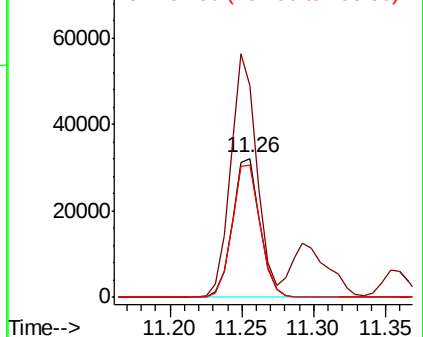
158 96.9 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.257 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009418.D

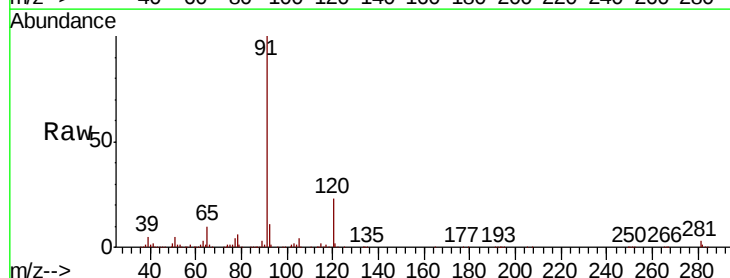
Acq: 09 May 2019 11:31

Tgt Ion: 91 Resp: 200795

Ion Ratio Lower Upper

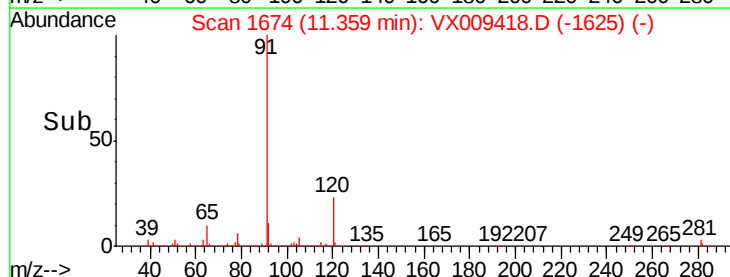
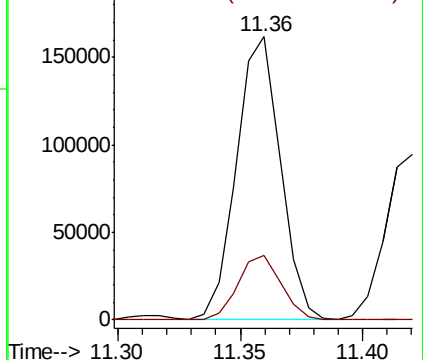
91 100

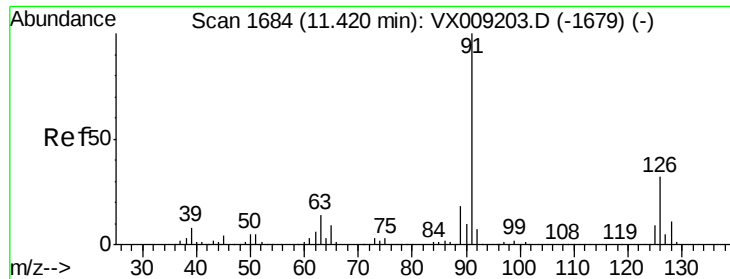
120 22.7 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

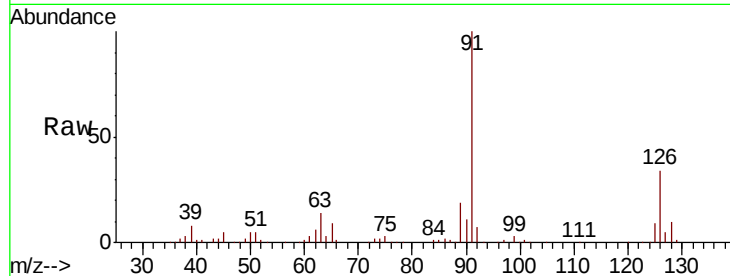




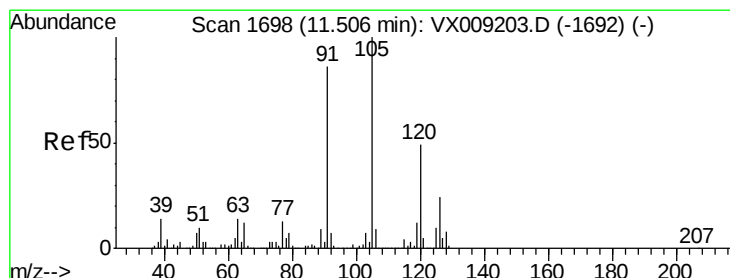
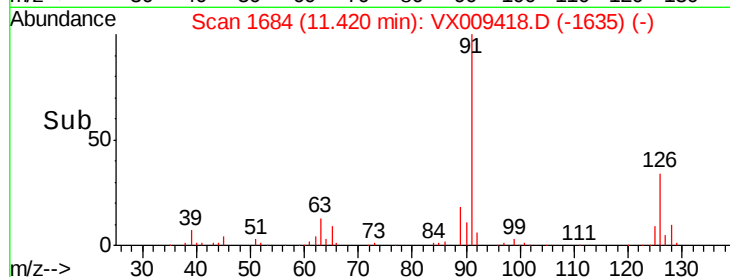
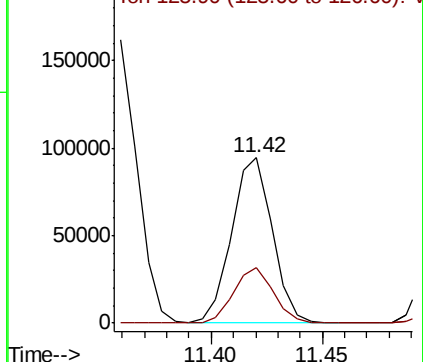
#79
2-Chlorotoluene
Concen: 19.551 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 91 Resp: 119562
Ion Ratio Lower Upper
91 100
126 33.3 16.3 48.9

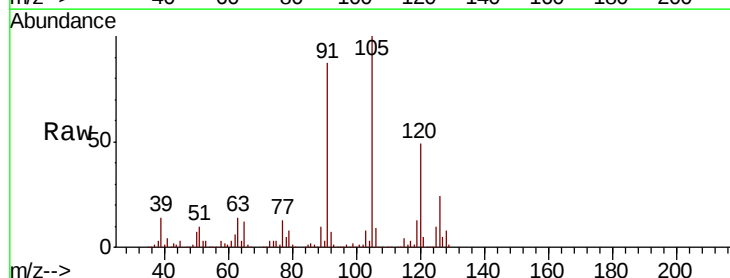


Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V

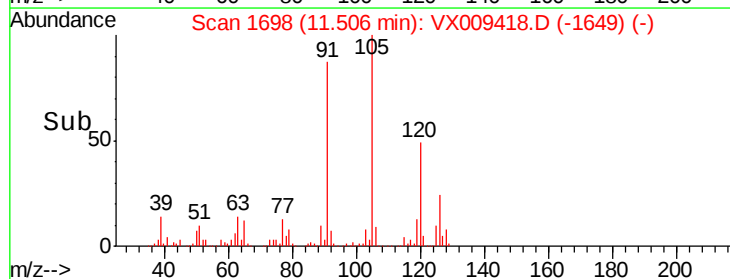
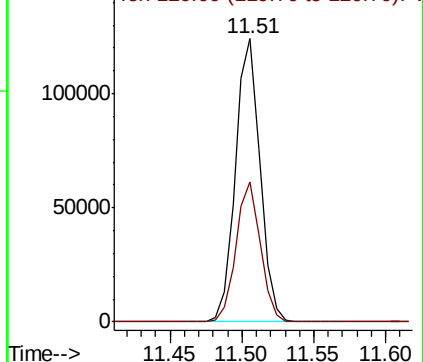


#80
1,3,5-Trimethylbenzene
Concen: 20.330 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Tgt Ion:105 Resp: 148577
Ion Ratio Lower Upper
105 100
120 48.9 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

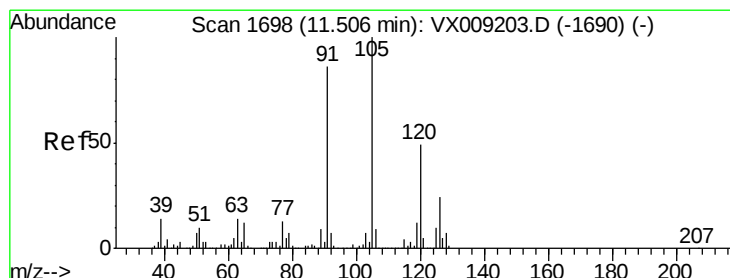
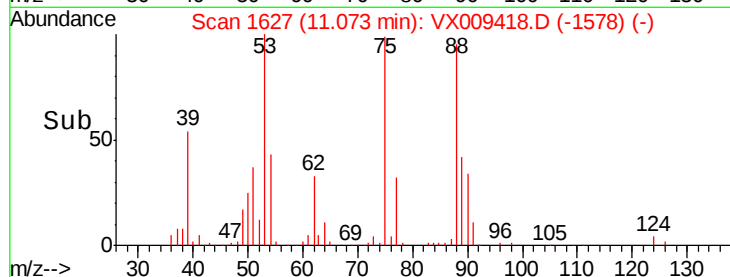
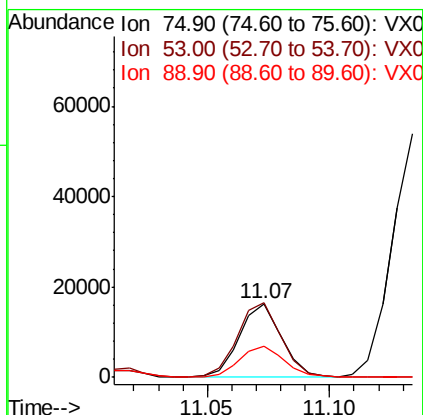
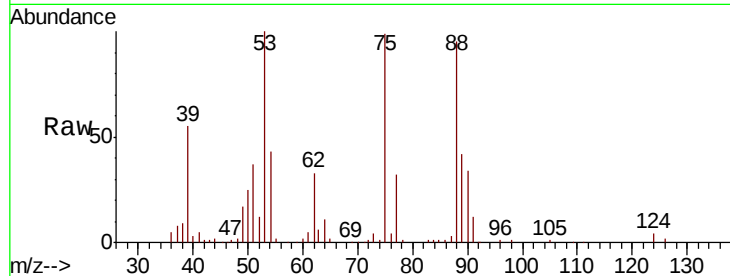




#81
trans-1,4-Dichloro-2-butene
Concen: 17.934 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

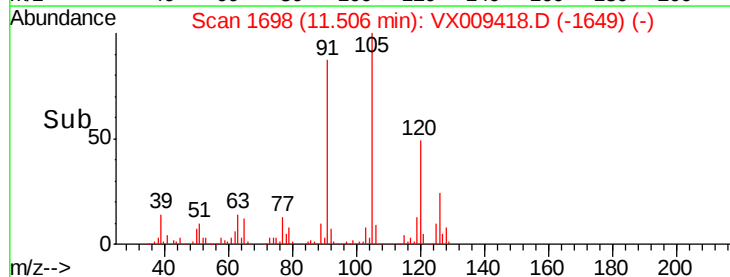
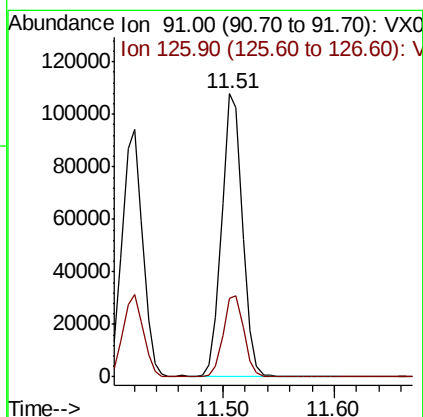
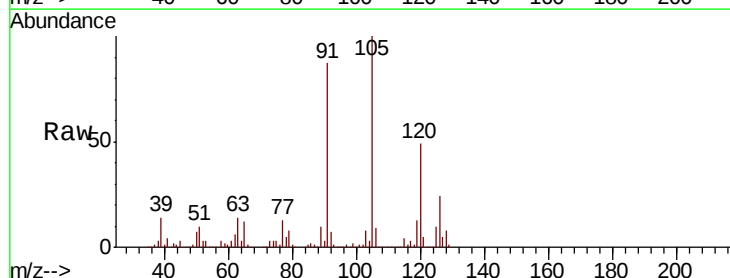
Instrument :
MSVOA_X
ClientSampleId :

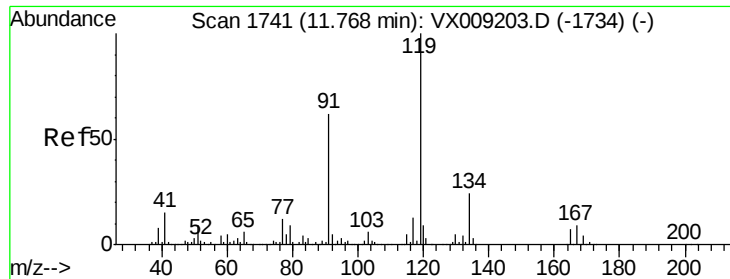
Tot Ion: 75 Resp: 19406
Ion Ratio Lower Upper
75 100
53 104.5 79.0 118.6
89 45.5 34.7 52.1



#82
4-Chlorotoluene
Concen: 20.112 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Tgt Ion: 91 Resp: 138947
Ion Ratio Lower Upper
91 100
126 28.7 14.5 43.6

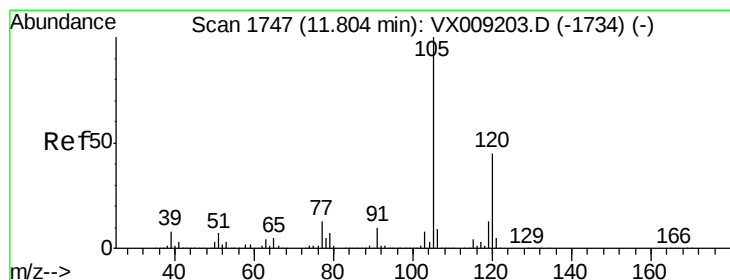
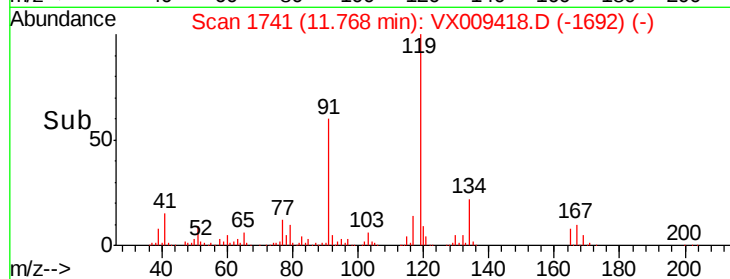
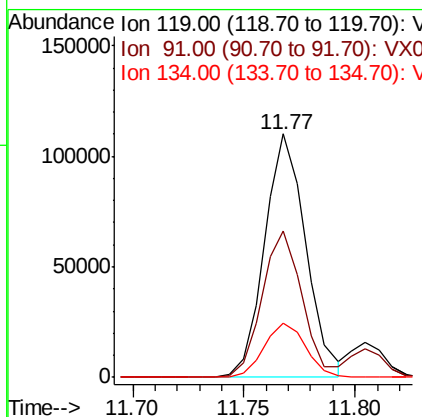
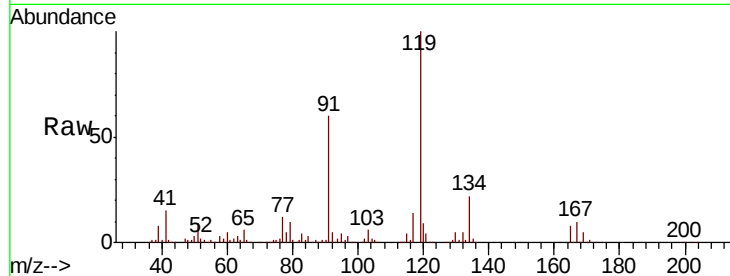




#83
tert-Butylbenzene
Concen: 19.924 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

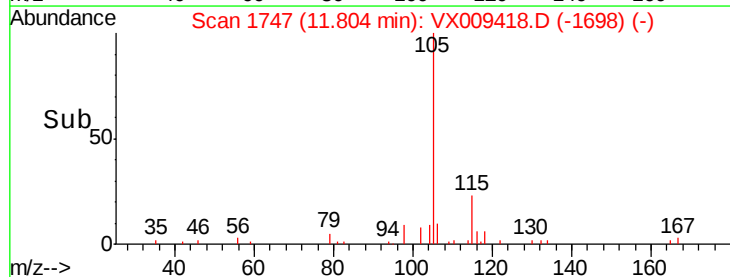
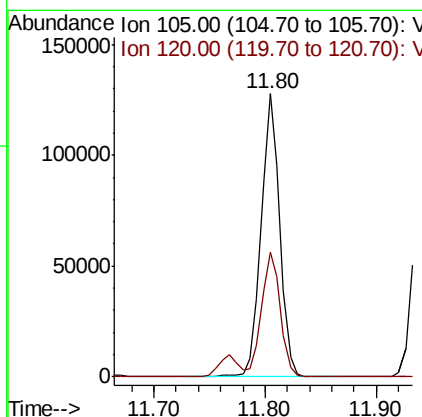
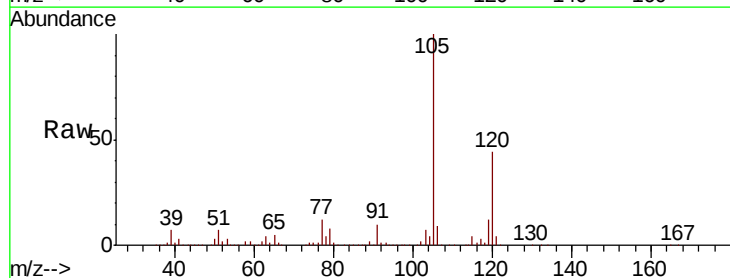
Instrument :
MSVOA_X
ClientSampled :

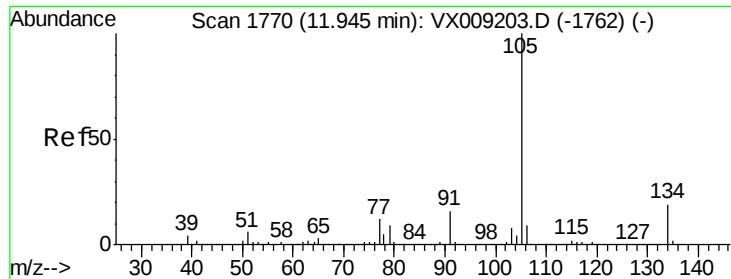
Tot Ion	Ratio	Lower	Upper
119	100		
91	58.9	29.5	88.5
134	22.1	11.4	34.1



#84
1,2,4-Trimethylbenzene
Concen: 20.450 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.0	66.0





#85

sec-Butylbenzene

Concen: 20.116 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Instrument :

MSVOA_X

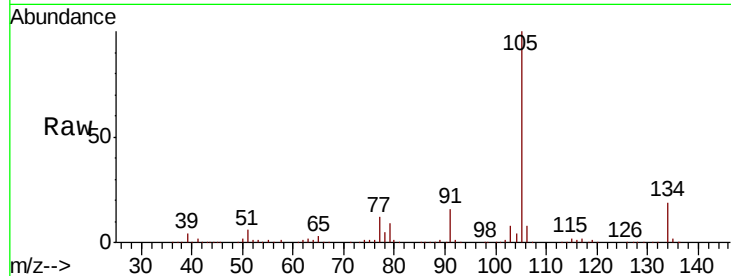
ClientSampleId :

Tot Ion:105 Resp: 169550

Ion Ratio Lower Upper

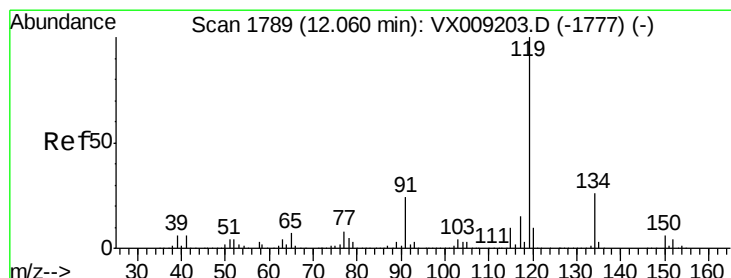
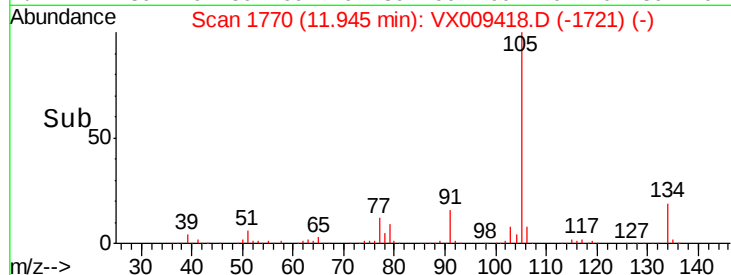
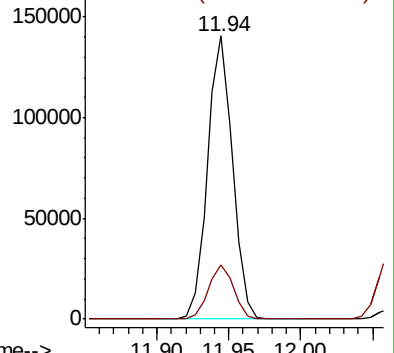
105 100

134 19.4 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.366 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

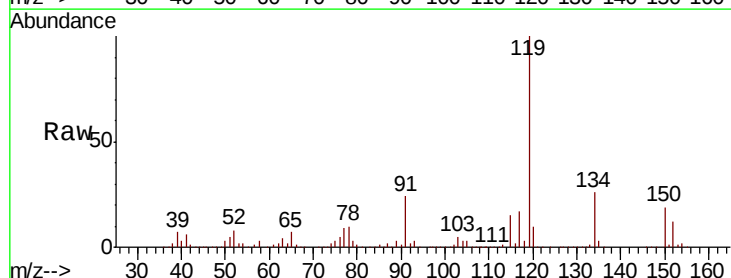
Tgt Ion:119 Resp: 154322

Ion Ratio Lower Upper

119 100

134 26.2 12.9 38.7

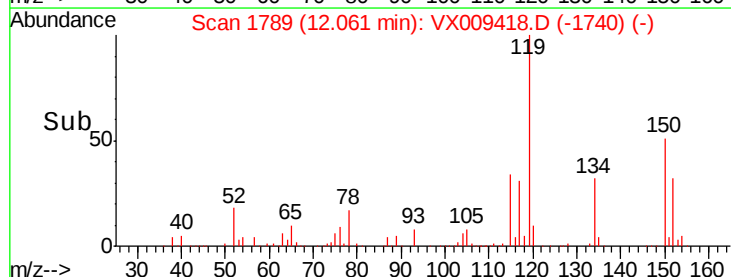
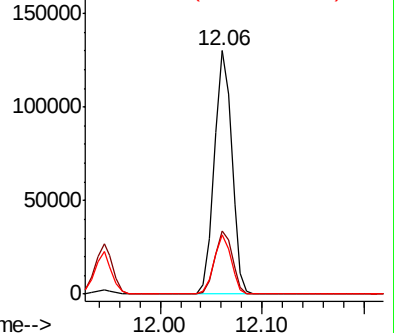
91 24.1 11.8 35.4

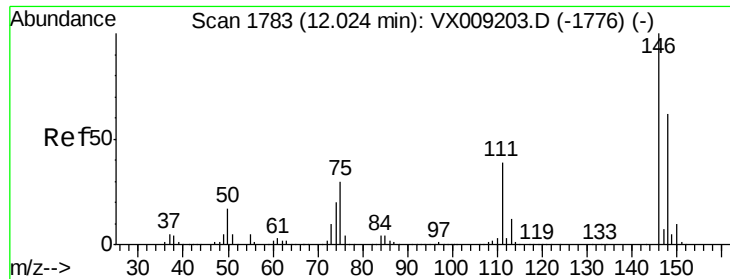


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

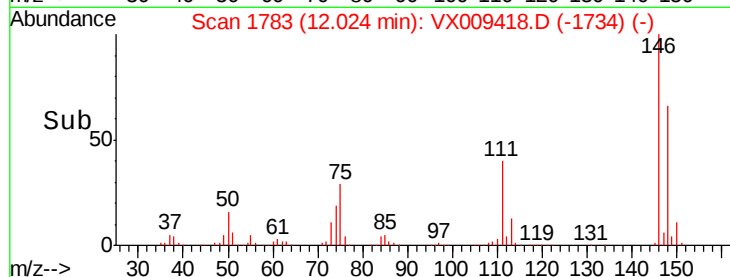
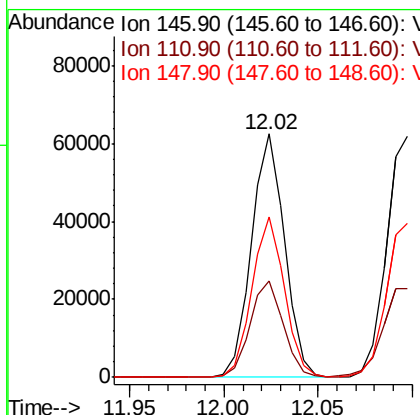
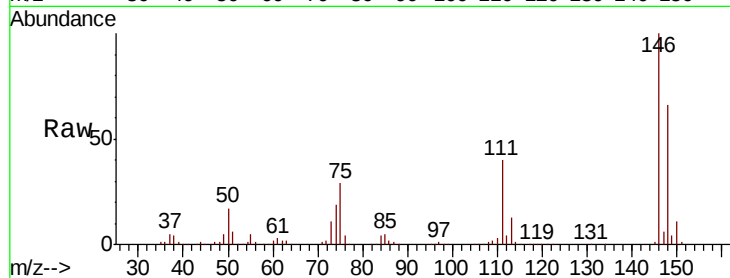




#87
 1,3-Dichlorobenzene
 Concen: 19.857 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009418.D
 Acq: 09 May 2019 11:31

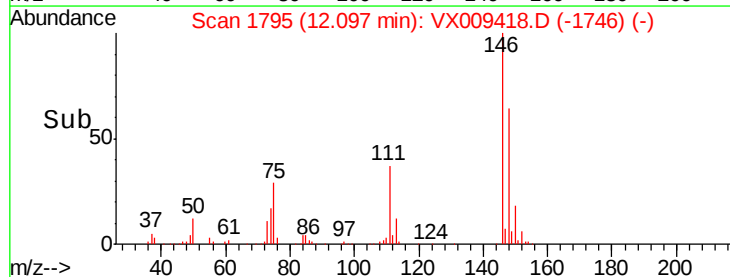
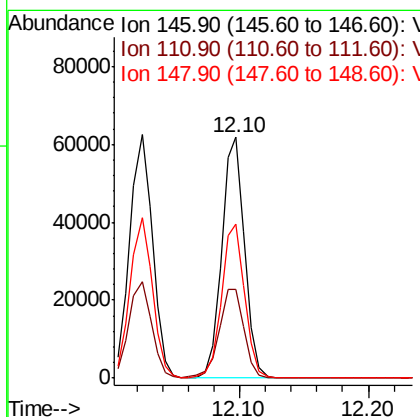
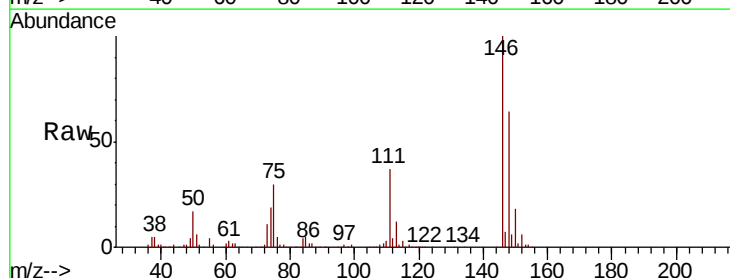
Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	59.9
148	64.5	31.8	95.3



#88
 1,4-Dichlorobenzene
 Concen: 19.947 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009418.D
 Acq: 09 May 2019 11:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.6	58.8
148	64.7	31.8	95.3





#89

n-Butylbenzene

Concen: 20.400 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Instrument :

MSVOA_X

ClientSampleId :

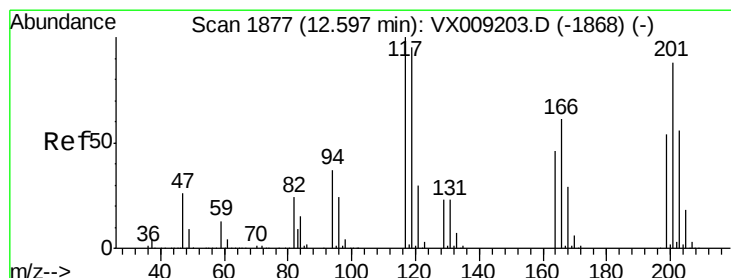
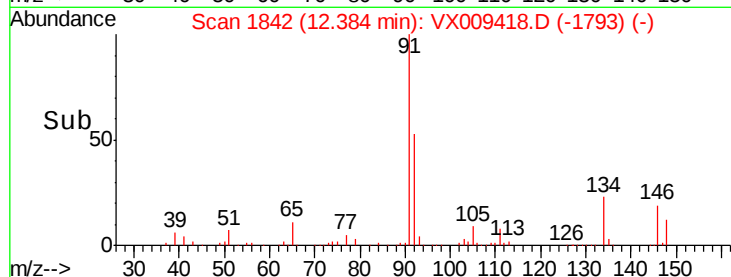
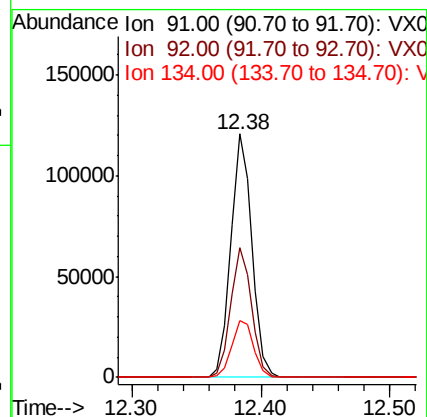
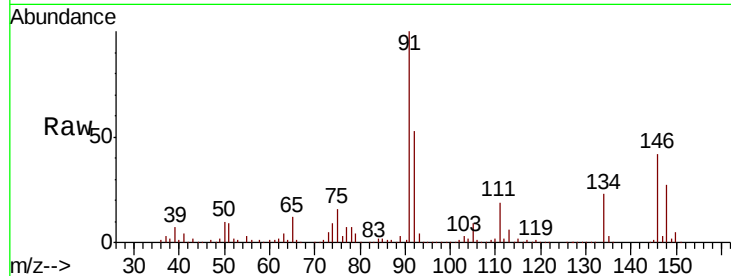
Tot Ion: 91 Resp: 139709

Ion Ratio Lower Upper

91 100

92 52.9 26.5 79.5

134 24.3 12.4 37.2



#90

Hexachloroethane

Concen: 19.300 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. -0.01 min

Lab File: VX009418.D

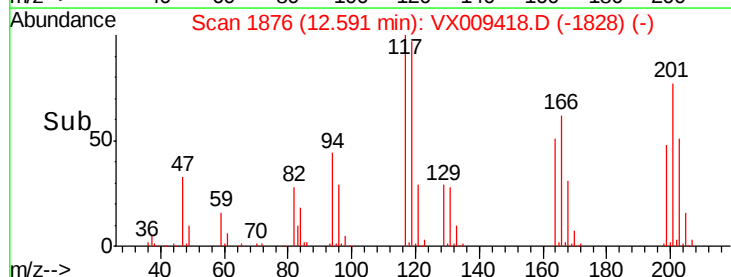
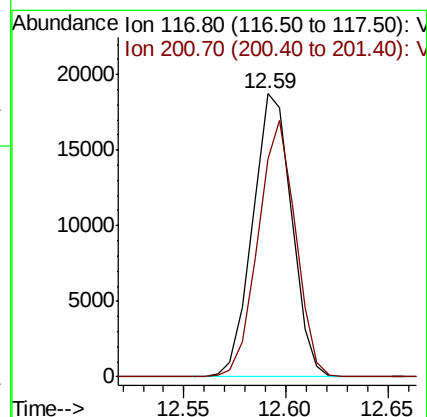
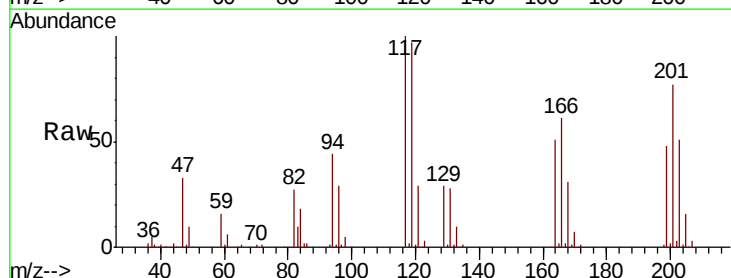
Acq: 09 May 2019 11:31

Tgt Ion: 117 Resp: 24914

Ion Ratio Lower Upper

117 100

201 86.9 42.3 126.9





#91

1,2-Dichlorobenzene

Concen: 19.764 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

Instrument :

MSVOA_X

ClientSampleId :

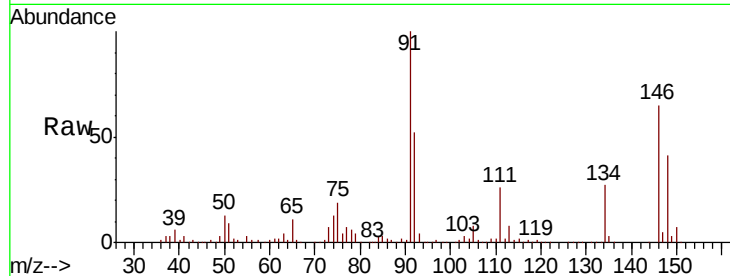
Tot Ion:146 Resp: 77310

Ion Ratio Lower Upper

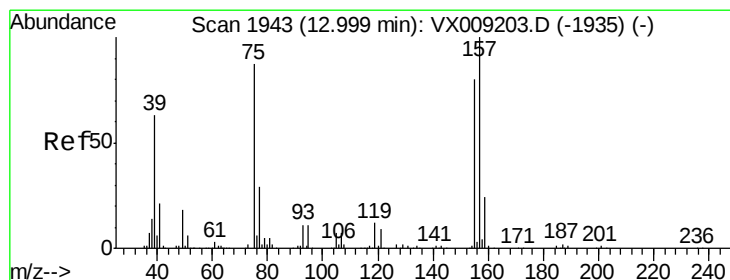
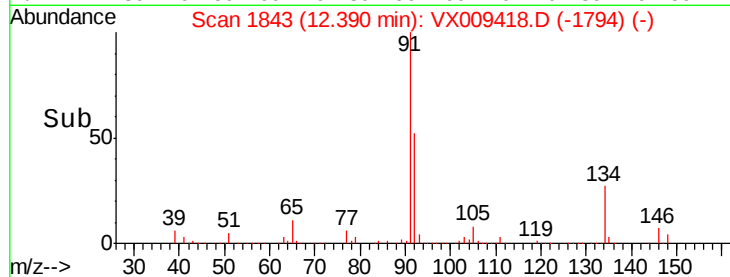
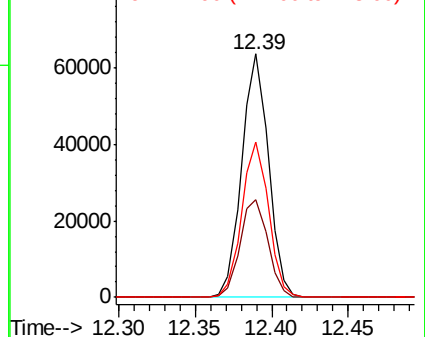
146 100

111 41.7 20.8 62.4

148 63.8 31.9 95.9



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.817 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX009418.D

Acq: 09 May 2019 11:31

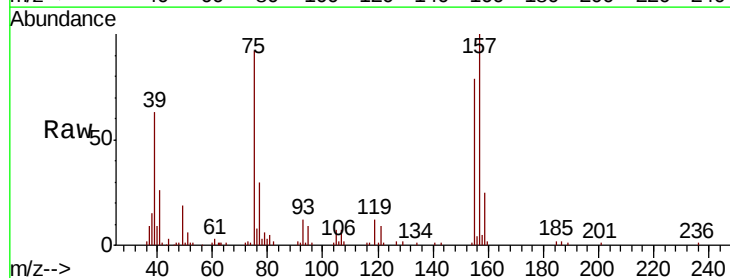
Tgt Ion: 75 Resp: 13658

Ion Ratio Lower Upper

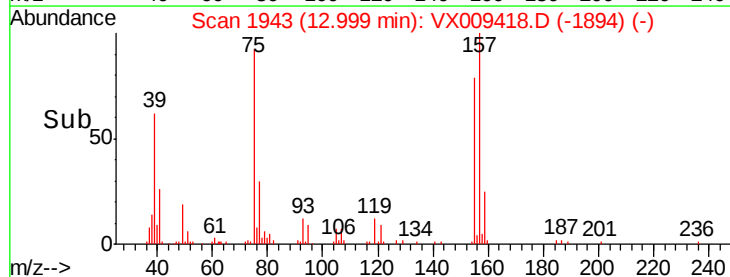
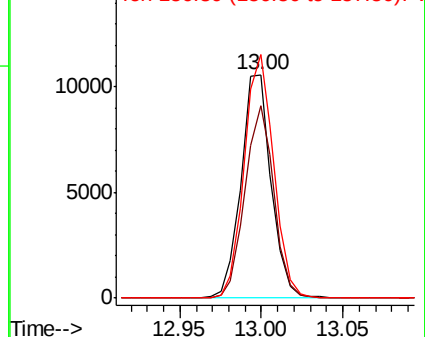
75 100

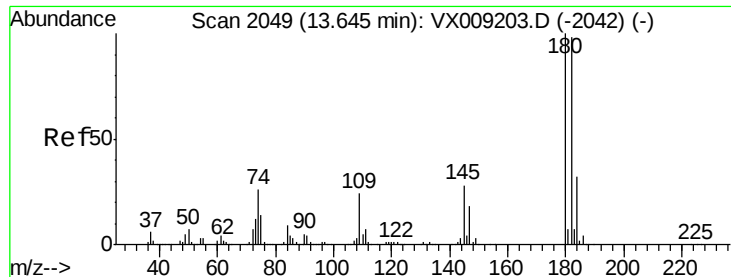
155 82.8 42.0 126.0

157 106.5 53.2 159.6



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

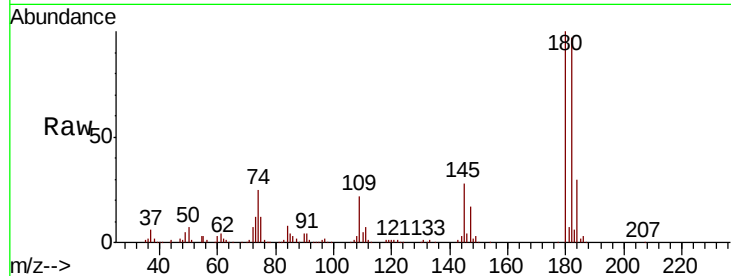




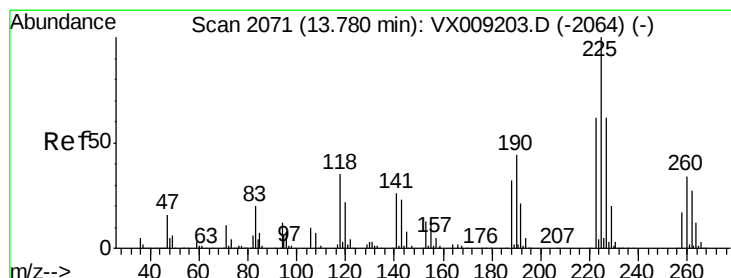
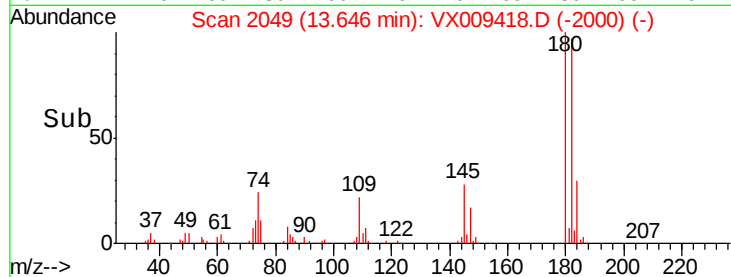
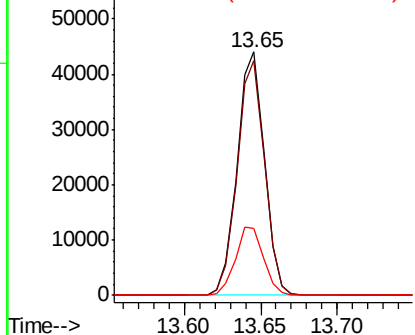
#93
 1,2,4-Trichlorobenzene
 Concen: 20.350 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009418.D
 Acq: 09 May 2019 11:31

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:180 Resp: 54433
 Ion Ratio Lower Upper
 180 100
 182 96.3 48.4 145.2
 145 28.8 14.6 43.8

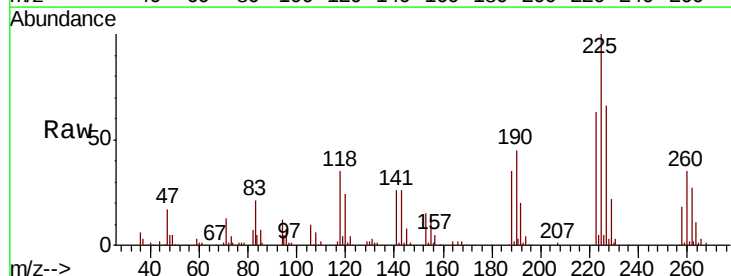


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

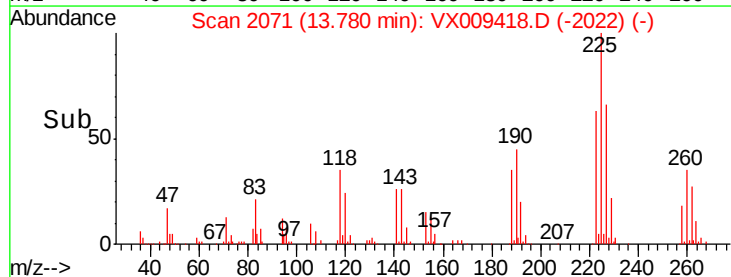
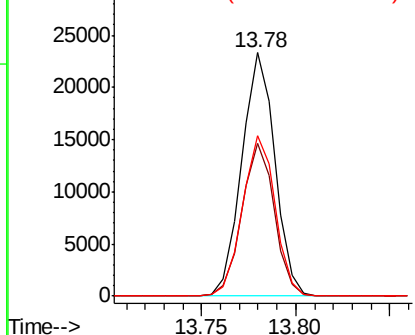


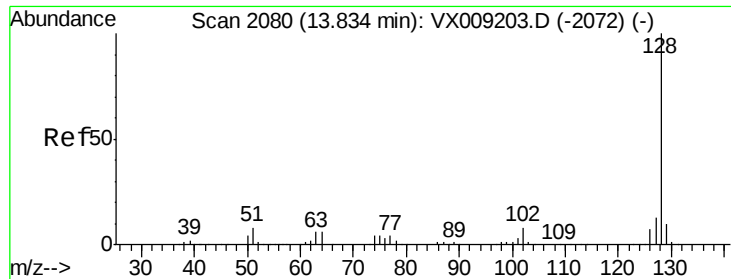
#94
 Hexachlorobutadiene
 Concen: 20.767 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009418.D
 Acq: 09 May 2019 11:31

Tgt Ion:225 Resp: 28367
 Ion Ratio Lower Upper
 225 100
 223 61.8 31.3 93.8
 227 65.4 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

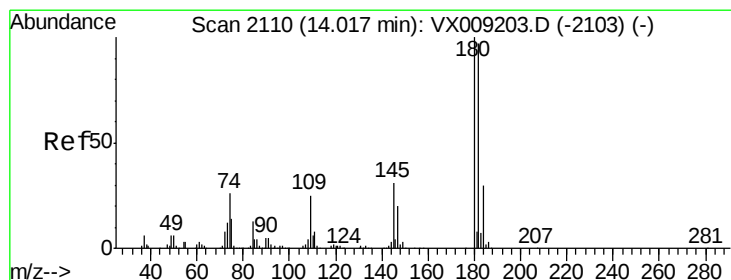
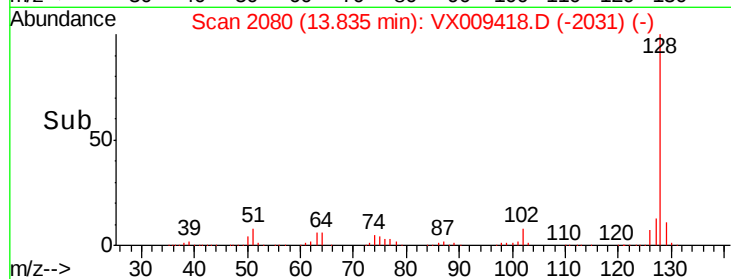
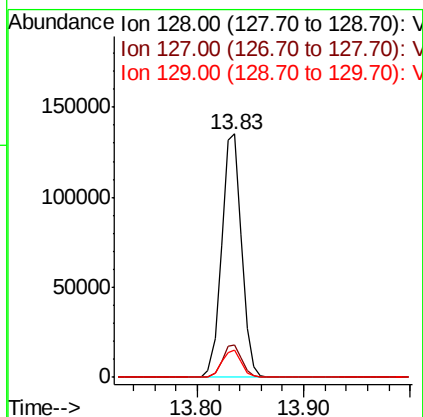
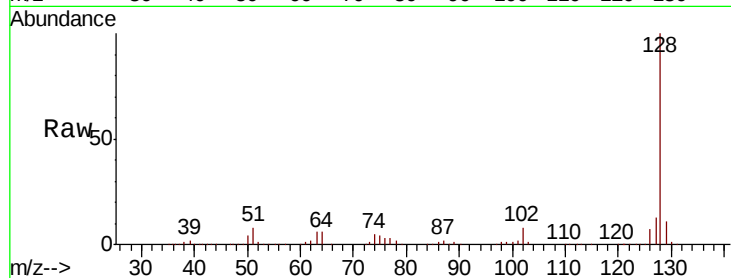




#95
Naphthalene
Concen: 20.243 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:128 Resp: 176163
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 20.922 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX009418.D
Acq: 09 May 2019 11:31

Tgt Ion:180 Resp: 56729
Ion Ratio Lower Upper
180 100
182 94.3 47.8 143.4
145 30.6 15.4 46.4

