

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031919\
 Data File : VX008208.D
 Acq On : 19 Mar 2019 23:28
 Operator : JC/SP
 Sample : VX0319WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 20 07:14:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 06:51:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	286546	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	483985	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	430293	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	198032	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	216876	50.25	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.50%	
35) Dibromofluoromethane	5.50	113	160061	49.40	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.80%	
50) Toluene-d8	8.71	98	618655	50.36	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.72%	
62) 4-Bromofluorobenzene	11.13	95	218824	51.74	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	69534	20.015	ug/l	99
3) Chloromethane	1.33	50	83015	19.043	ug/l	100
4) Vinyl Chloride	1.41	62	84488	19.439	ug/l	99
5) Bromomethane	1.64	94	62512	16.884	ug/l	99
6) Chloroethane	1.73	64	54346	19.942	ug/l	99
7) Trichlorofluoromethane	1.93	101	104215	18.788	ug/l	97
8) Diethyl Ether	2.19	74	59459	20.835	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.39	101	71750	19.483	ug/l	91
10) Methyl Iodide	2.51	142	93460	19.931	ug/l	96
11) Tert butyl alcohol	3.04	59	95464	103.331	ug/l	99
12) 1,1-Dichloroethene	2.38	96	70533	20.287	ug/l	93
13) Acrolein	2.29	56	55401	77.975	ug/l	99
14) Allyl chloride	2.73	41	151629	20.034	ug/l	93
15) Acrylonitrile	3.14	53	254358	104.089	ug/l	99
16) Acetone	2.45	43	224335	91.652	ug/l	97
17) Carbon Disulfide	2.57	76	216236	19.471	ug/l	98
18) Methyl Acetate	2.78	43	123514	21.797	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	259383	20.633	ug/l	98
20) Methylene Chloride	2.86	84	83001	20.336	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	74555	19.849	ug/l	91
22) Diisopropyl ether	3.86	45	307933	20.774	ug/l	89
23) Vinyl Acetate	3.82	43	1321853	104.013	ug/l	97
24) 1,1-Dichloroethane	3.70	63	157287	20.631	ug/l	99
25) 2-Butanone	4.67	43	369552	102.281	ug/l	96
26) 2,2-Dichloropropane	4.59	77	94334	16.425	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	85975	20.079	ug/l	93
28) Bromochloromethane	5.02	49	67969	19.854	ug/l #	82
29) Tetrahydrofuran	5.13	42	242487	107.359	ug/l	97
30) Chloroform	5.21	83	146888	20.597	ug/l	100
31) Cyclohexane	5.58	56	143569	20.054	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	120708	20.347	ug/l	96
36) 1,1-Dichloropropene	5.80	75	112375	19.943	ug/l	96
37) Ethyl Acetate	4.84	43	140670	21.118	ug/l	98
38) Carbon Tetrachloride	5.79	117	99407	19.800	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 06:51:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	126216	18.613	ug/l	95
40) Benzene	6.15	78	338863	20.318	ug/l	100
41) Methacrylonitrile	5.04	41	78094	20.901	ug/l	97
42) 1,2-Dichloroethane	6.20	62	124325	20.349	ug/l	95
43) Isopropyl Acetate	6.45	43	218073	20.425	ug/l	97
44) Trichloroethene	7.21	130	82254	20.170	ug/l	88
45) 1,2-Dichloropropane	7.51	63	94059	20.146	ug/l	98
46) Dibromomethane	7.66	93	56059	19.831	ug/l	88
47) Bromodichloromethane	7.90	83	108223	20.089	ug/l	98
48) Methyl methacrylate	7.77	41	116287	20.484	ug/l	92
49) 1,4-Dioxane	7.74	88	41625	415.500	ug/l	93
51) 4-Methyl-2-Pentanone	8.64	43	741903	107.484	ug/l	98
52) Toluene	8.78	92	201310	20.346	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	114805	17.955	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	129198	19.324	ug/l #	90
55) 1,1,2-Trichloroethane	9.21	97	83198	20.812	ug/l	98
56) Ethyl methacrylate	9.18	69	135747	19.681	ug/l #	91
57) 1,3-Dichloropropane	9.37	76	146591	20.729	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	319819	97.642	ug/l	94
59) 2-Hexanone	9.49	43	561616	105.685	ug/l	95
60) Dibromochloromethane	9.58	129	79339	20.651	ug/l	99
61) 1,2-Dibromoethane	9.67	107	86317	20.679	ug/l	98
64) Tetrachloroethene	9.34	164	78857	20.313	ug/l	94
65) Chlorobenzene	10.14	112	211403	19.967	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	75645	20.491	ug/l	99
67) Ethyl Benzene	10.25	91	376893	20.200	ug/l	96
68) m/p-Xylenes	10.36	106	275446	40.189	ug/l	93
69) o-Xylene	10.69	106	135499	20.346	ug/l	94
70) Styrene	10.71	104	220516	20.374	ug/l	96
71) Bromoform	10.85	173	56334	19.134	ug/l #	99
73) Isopropylbenzene	11.02	105	359408	20.361	ug/l	98
74) N-amyl acetate	10.90	43	190571	20.606	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	130719	20.652	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	150757	27.067	ug/l	92
77) Bromobenzene	11.26	156	86177	20.192	ug/l	85
78) n-propylbenzene	11.36	91	415821	20.282	ug/l	96
79) 2-Chlorotoluene	11.42	91	250624	20.367	ug/l	95
80) 1,3,5-Trimethylbenzene	11.51	105	296741	20.348	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	36696	17.750	ug/l	88
82) 4-Chlorotoluene	11.51	91	283738	19.815	ug/l	95
83) tert-Butylbenzene	11.77	119	277590	19.938	ug/l	92
84) 1,2,4-Trimethylbenzene	11.80	105	304209	20.577	ug/l	97
85) sec-Butylbenzene	11.94	105	348149	20.192	ug/l	96
86) p-Isopropyltoluene	12.06	119	298480	19.999	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	151128	19.814	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	151573	19.212	ug/l	97
89) n-Butylbenzene	12.38	91	265288	18.939	ug/l	97
90) Hexachloroethane	12.60	117	50839	20.001	ug/l	81
91) 1,2-Dichlorobenzene	12.39	146	153764	19.994	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	28310	20.137	ug/l	77

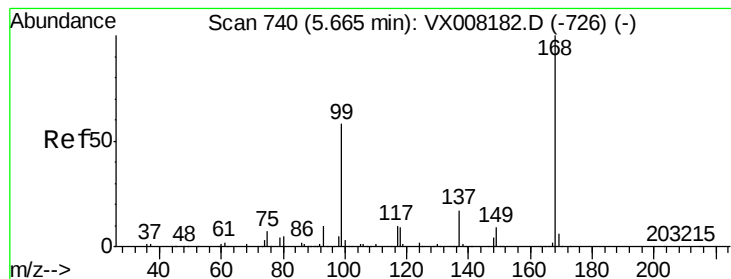
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031919\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 20 06:51:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	96584	19.067	ug/l	99
94) Hexachlorobutadiene	13.78	225	47975	19.419	ug/l	99
95) Naphthalene	13.83	128	322058	20.144	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	99172	19.896	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX008208.D

Acq: 19 Mar 2019 23:28

Instrument :

MSVOA_X

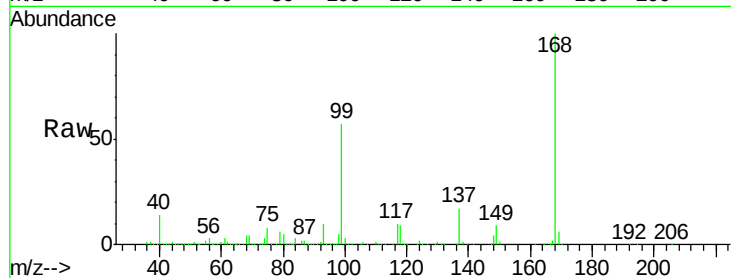
ClientSampled :

Tot Ion:168 Resp: 286546

Ion Ratio Lower Upper

168 100

99 56.4 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

40000

20000

0

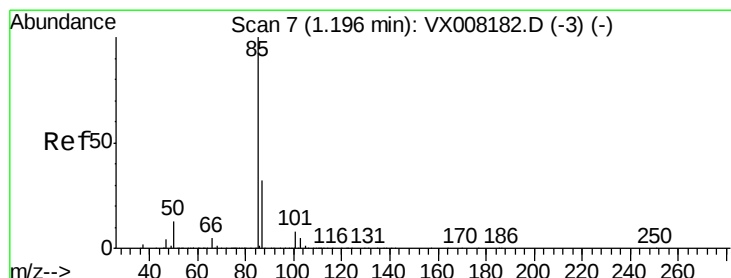
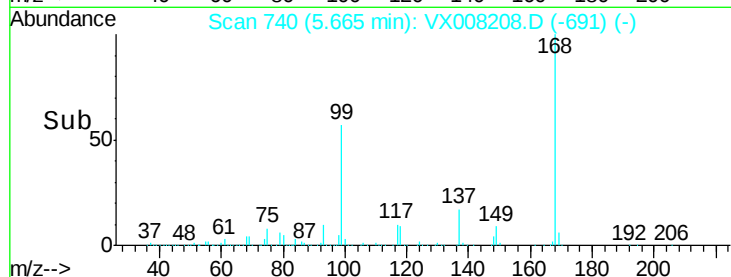
Time-->

5.50

5.60

5.70

5.80



#2

Dichlorodifluoromethane

Concen: 20.015 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX008208.D

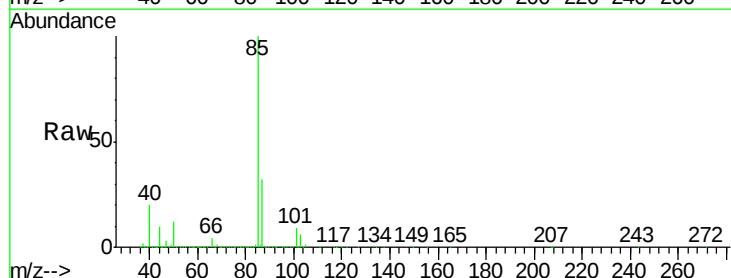
Acq: 19 Mar 2019 23:28

Tgt Ion: 85 Resp: 69534

Ion Ratio Lower Upper

85 100

87 31.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

40000

20000

0

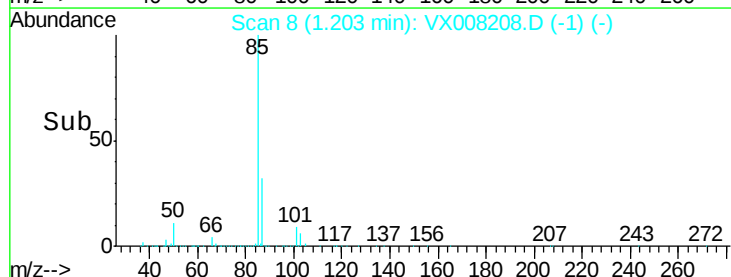
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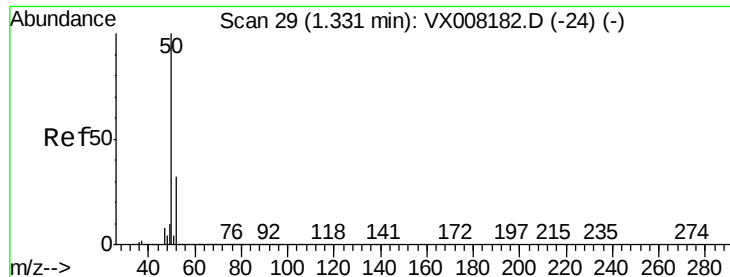
1.15

1.20

1.25

1.30





#3

Chloromethane

Concen: 19.043 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX008208.D

Acq: 19 Mar 2019 23:28

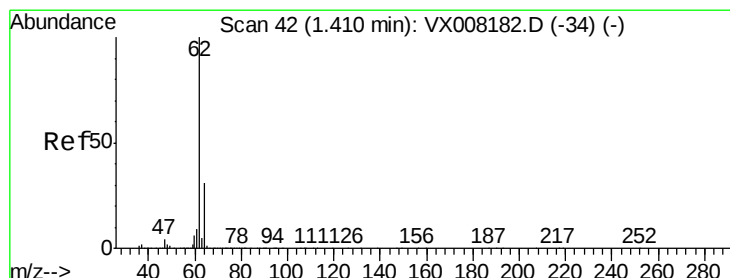
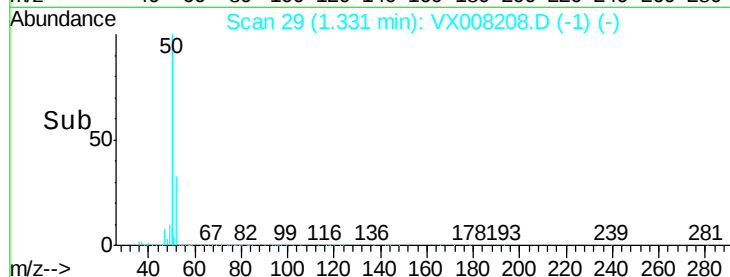
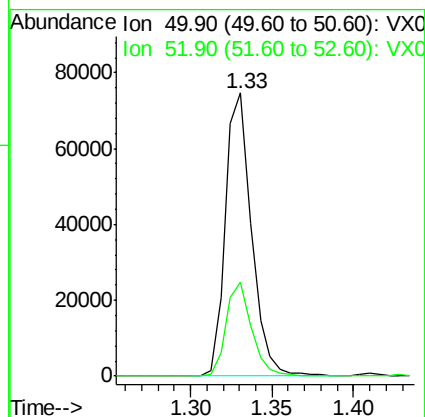
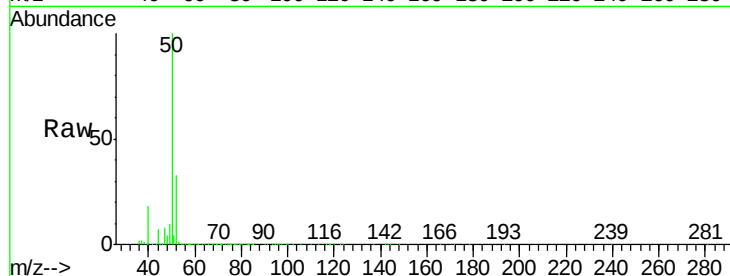
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 50 Resp: 83015

Ion Ratio Lower Upper

50 100

52 32.9 26.5 39.7



#4

Vinyl Chloride

Concen: 19.439 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX008208.D

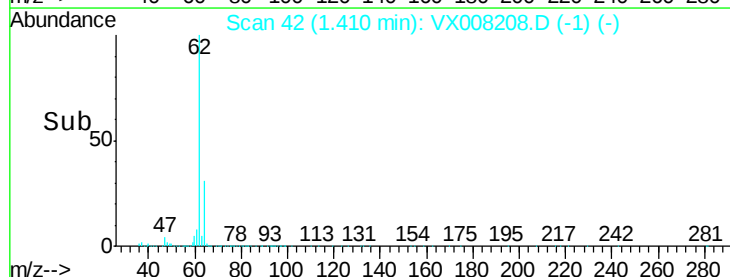
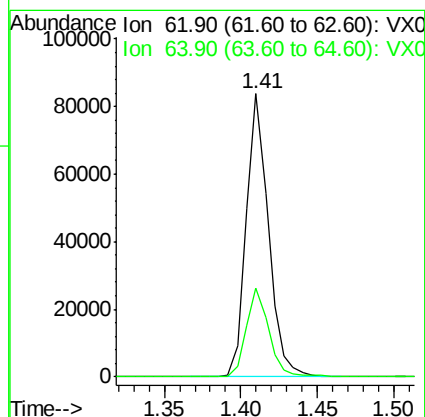
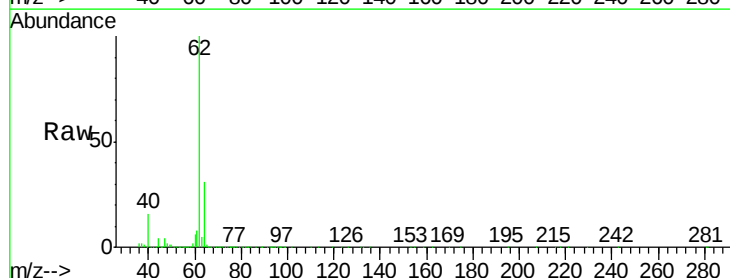
Acq: 19 Mar 2019 23:28

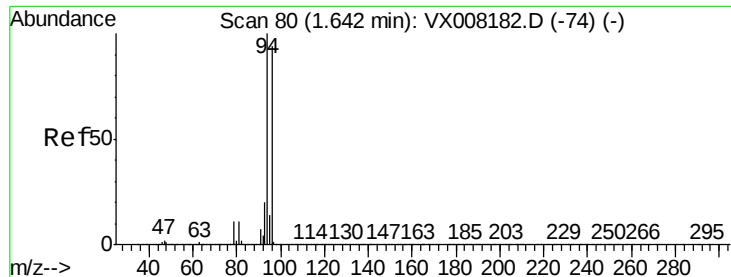
Tgt Ion: 62 Resp: 84488

Ion Ratio Lower Upper

62 100

64 31.0 25.3 37.9





#5

Bromomethane

Concen: 16.884 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX008208.D

Acq: 19 Mar 2019 23:28

Instrument :

MSVOA_X

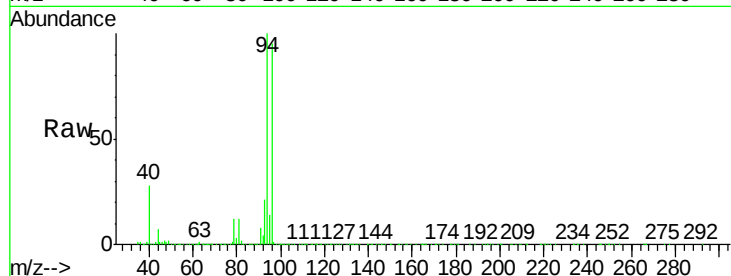
ClientSampleId :

Tot Ion: 94 Resp: 62512

Ion Ratio Lower Upper

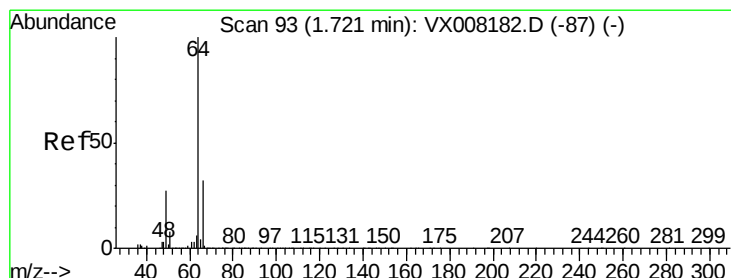
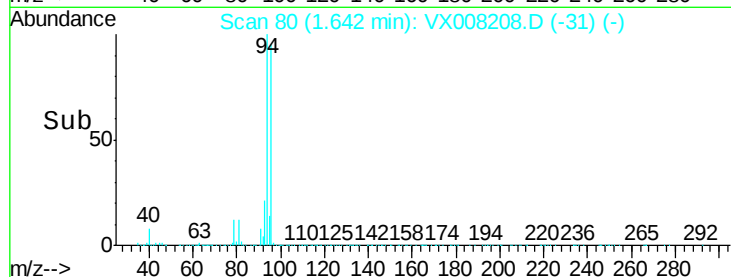
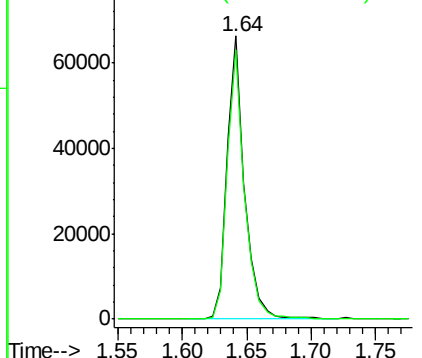
94 100

96 95.0 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.942 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX008208.D

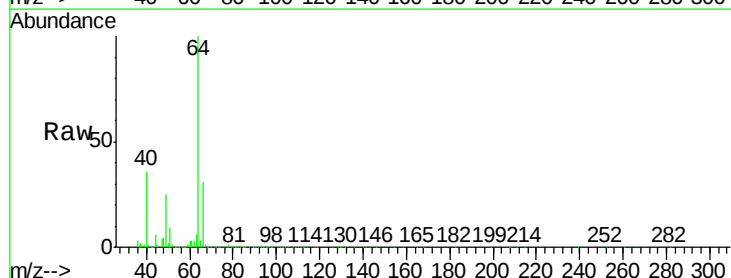
Acq: 19 Mar 2019 23:28

Tgt Ion: 64 Resp: 54346

Ion Ratio Lower Upper

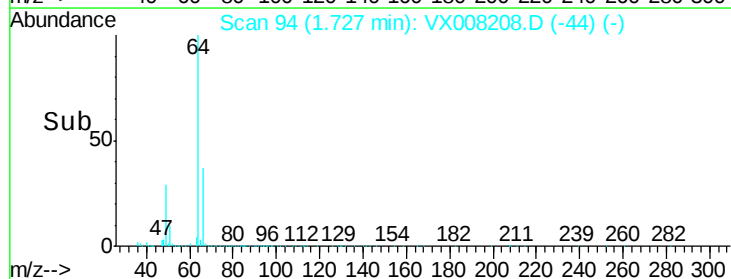
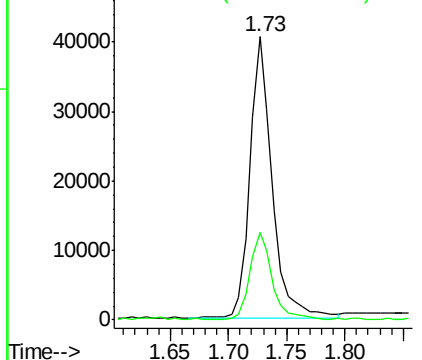
64 100

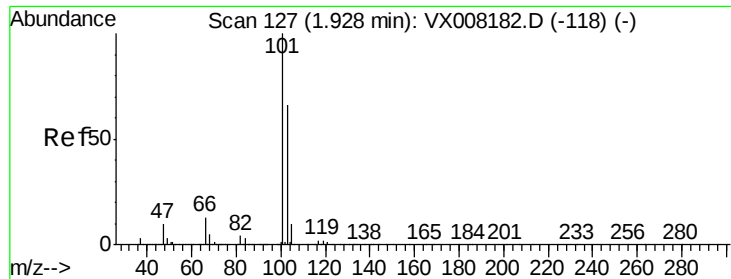
66 30.9 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



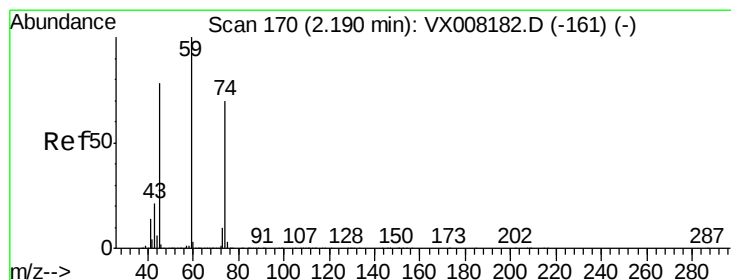
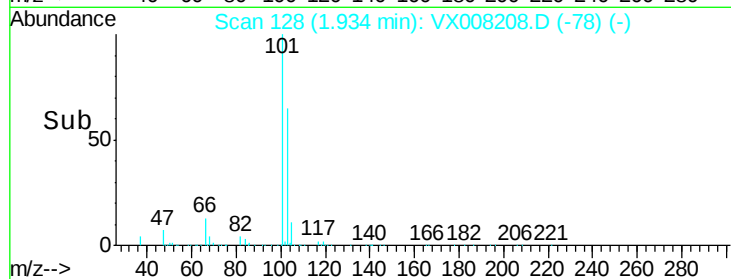
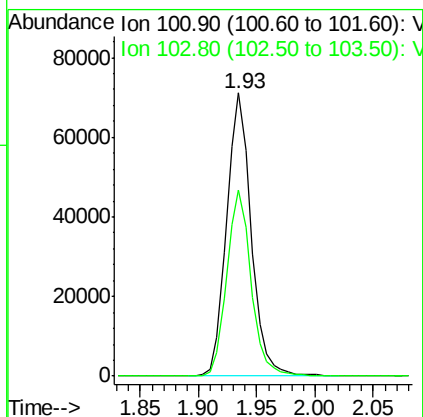
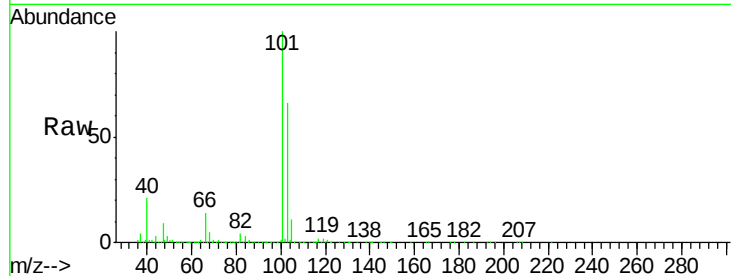


#7

Trichlorofluoromethane
 Concen: 18.788 ug/l
 RT: 1.93 min Scan# 128
 Delta R.T. 0.01 min
 Lab File: VX008208.D
 Acq: 19 Mar 2019 23:28

Instrument :
 MSVOA_X
 ClientSampleId :

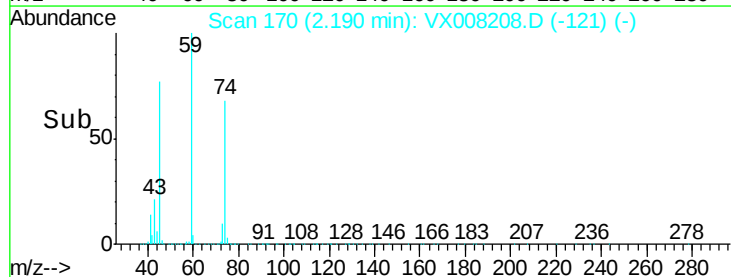
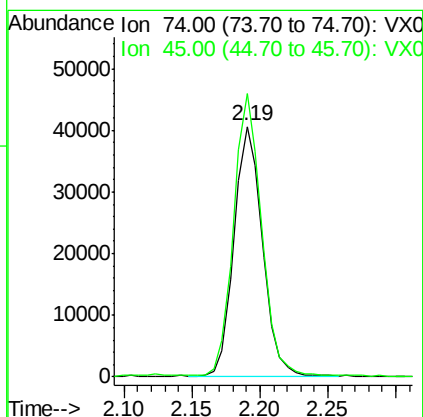
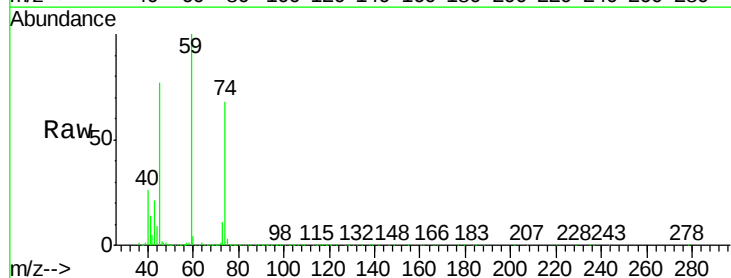
Tot Ion:101 Resp: 104215
 Ion Ratio Lower Upper
 101 100
 103 65.5 50.4 75.6

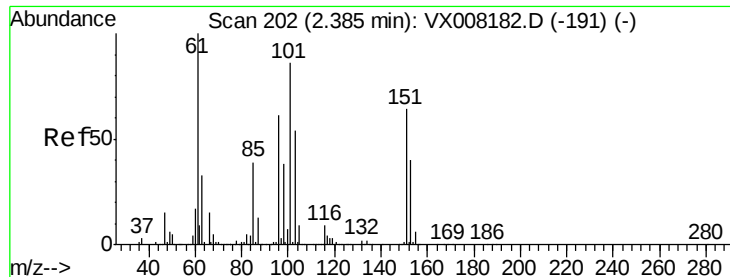


#8

Diethyl Ether
 Concen: 20.835 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX008208.D
 Acq: 19 Mar 2019 23:28

Tgt Ion: 74 Resp: 59459
 Ion Ratio Lower Upper
 74 100
 45 112.6 52.1 156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.483 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX008208.D

Acq: 19 Mar 2019 23:28

Instrument :

MSVOA_X

ClientSampleId :

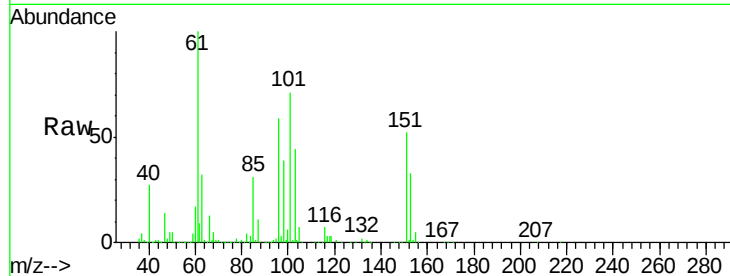
Tot Ion:101 Resp: 71750

Ion Ratio Lower Upper

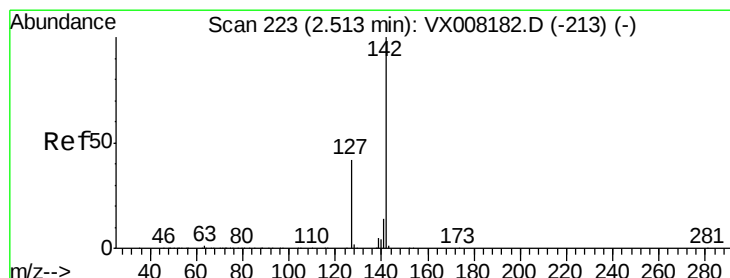
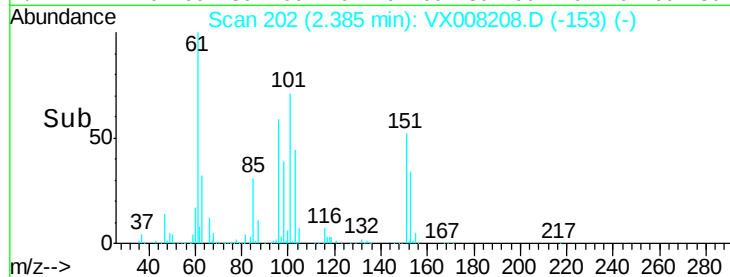
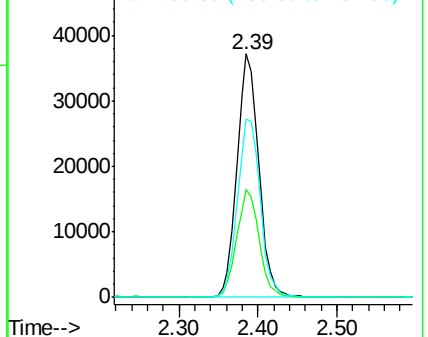
101 100

85 45.3 33.8 50.6

151 76.6 69.1 103.7



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: 19.931 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

Lab File: VX008208.D

Acq: 19 Mar 2019 23:28

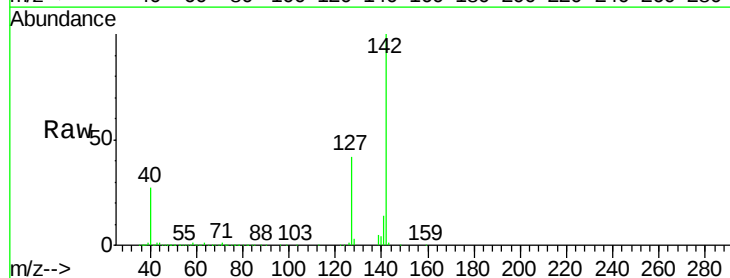
Tgt Ion:142 Resp: 93460

Ion Ratio Lower Upper

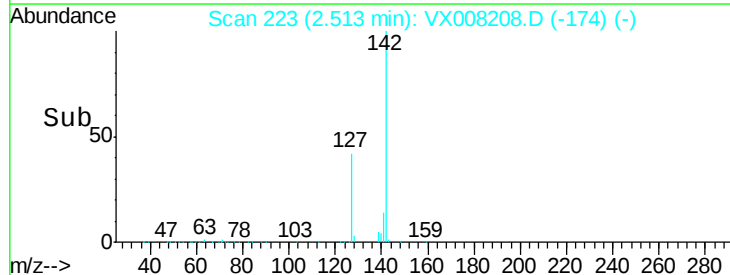
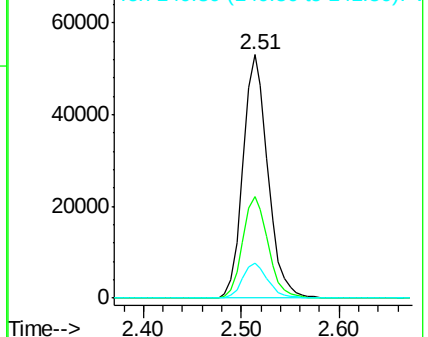
142 100

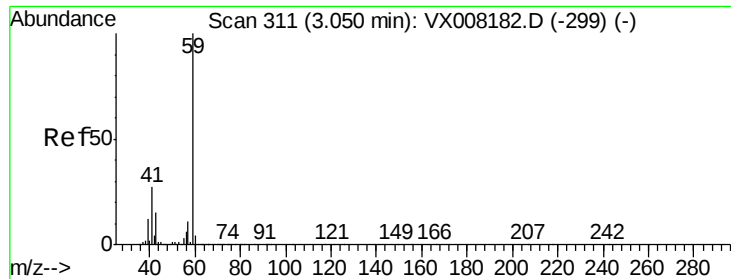
127 42.9 32.1 48.1

141 14.7 11.4 17.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



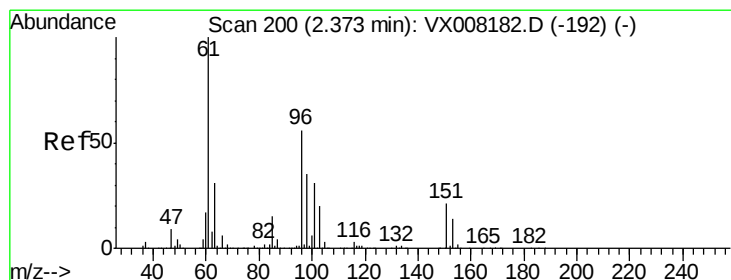
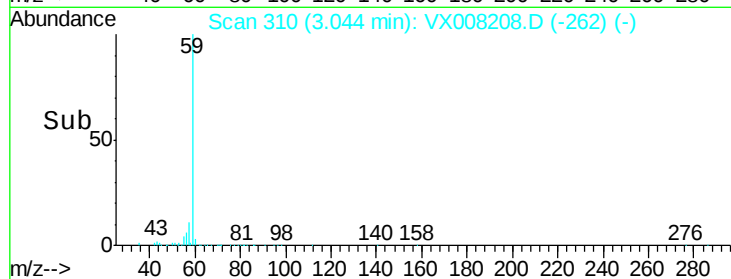
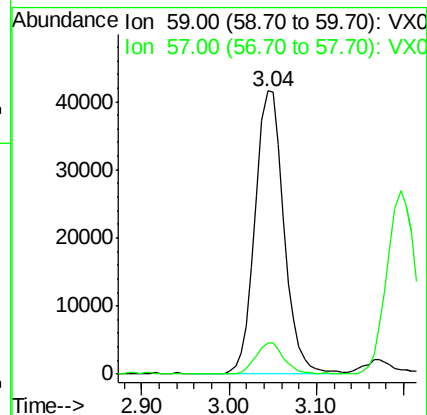
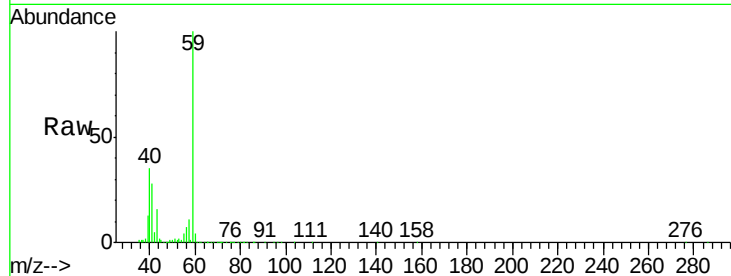


#11

Tert butyl alcohol
 Concen: 103.331 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. -0.01 min
 Lab File: VX008208.D
 Acq: 19 Mar 2019 23:28

Instrument :
 MSVOA_X
 ClientSampleId :

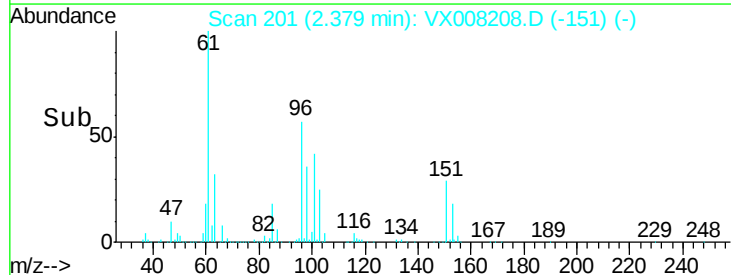
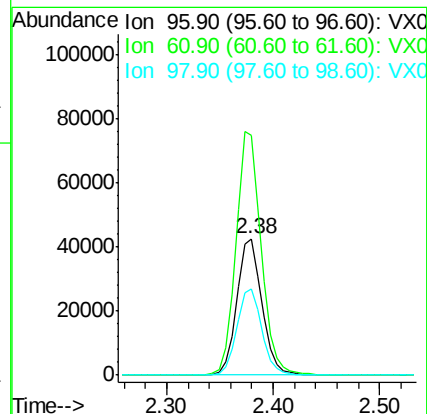
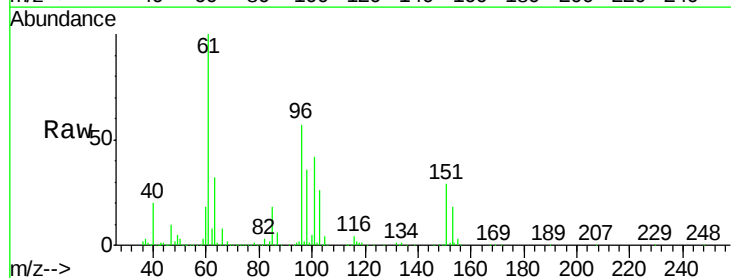
Tot Ion: 59 Resp: 95464
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.2 12.2

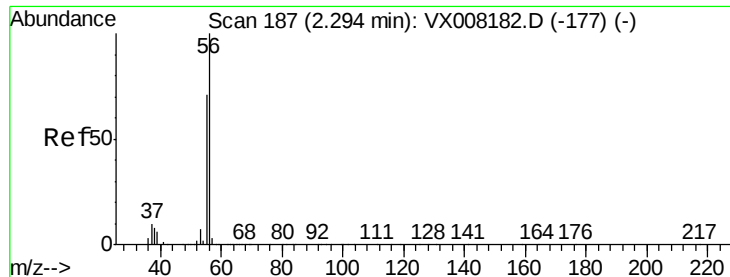


#12

1,1-Dichloroethene
 Concen: 20.287 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. 0.01 min
 Lab File: VX008208.D
 Acq: 19 Mar 2019 23:28

Tgt Ion: 96 Resp: 70533
 Ion Ratio Lower Upper
 96 100
 61 175.2 129.8 194.6
 98 63.2 51.0 76.6





#13

Acrolein

Concen: 77.975 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008208.D

Acq: 19 Mar 2019 23:28

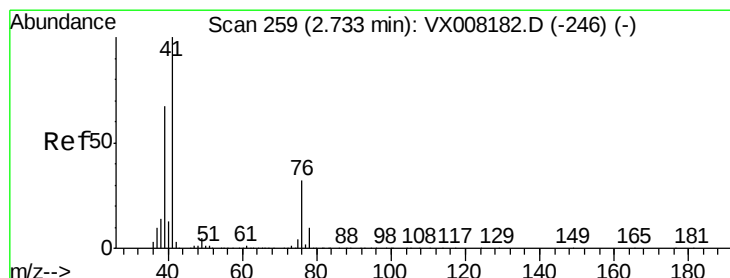
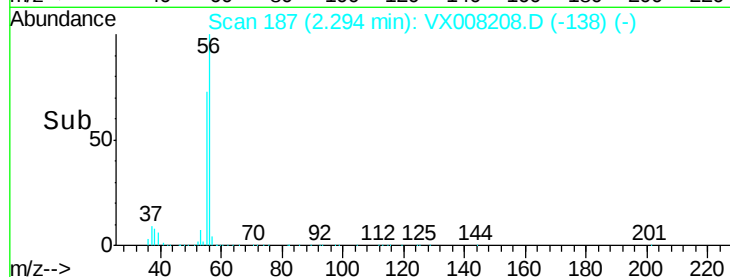
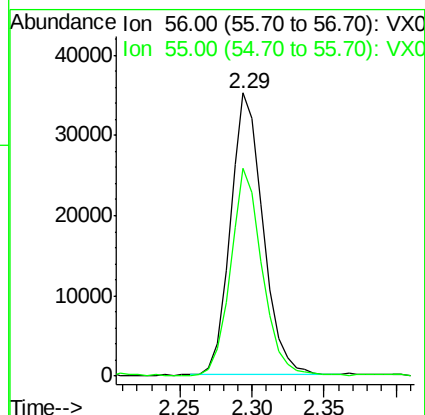
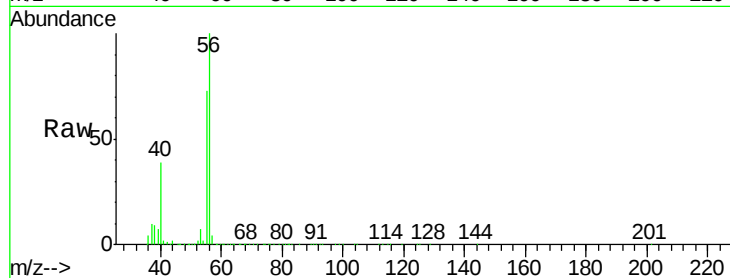
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 55401

Ion Ratio Lower Upper

56 100

55 71.7 57.8 86.6



#14

Allyl chloride

Concen: 20.034 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.00 min

Lab File: VX008208.D

Acq: 19 Mar 2019 23:28

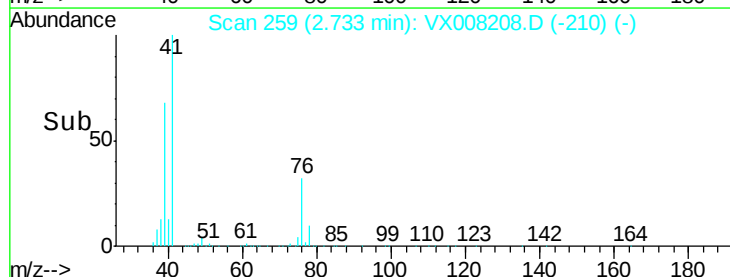
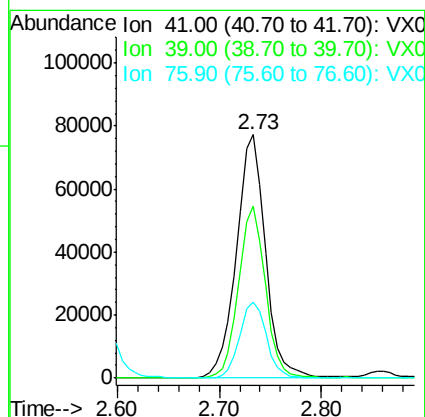
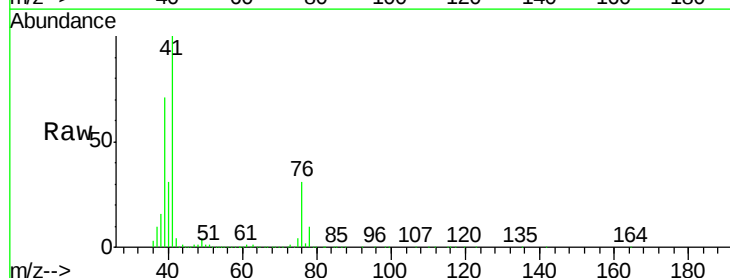
Tgt Ion: 41 Resp: 151629

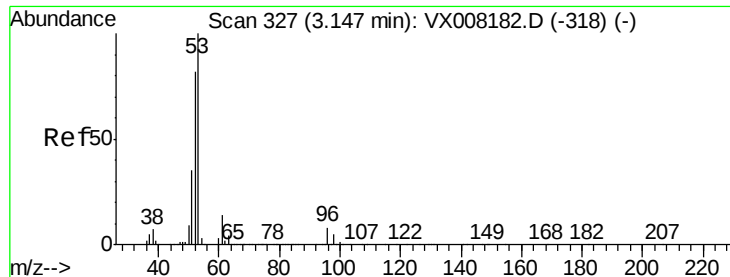
Ion Ratio Lower Upper

41 100

39 64.9 46.1 69.1

76 28.9 24.0 36.0





#15

Acrylonitrile

Concen: 104.089 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008208.D

Acq: 19 Mar 2019 23:28

Instrument :

MSVOA_X

ClientSampleId :

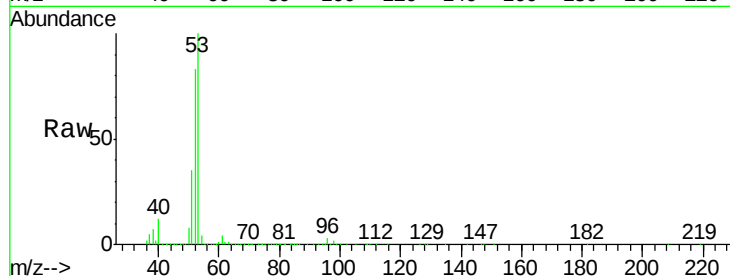
Tot Ion: 53 Resp: 254358

Ion Ratio Lower Upper

53 100

52 83.3 66.0 99.0

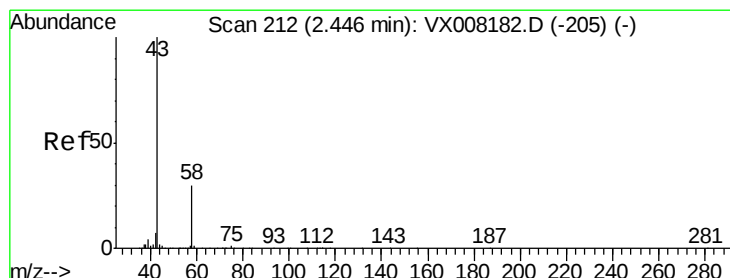
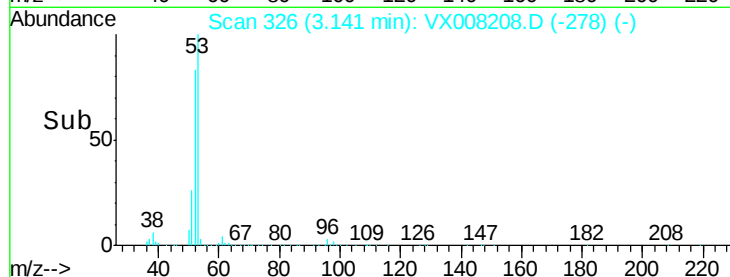
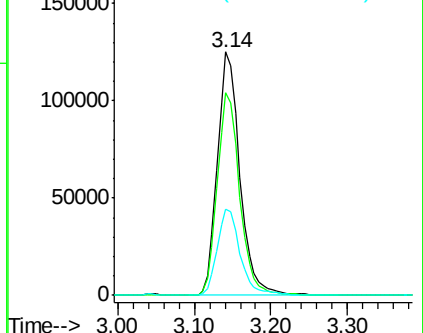
51 36.4 28.0 42.0



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: 91.652 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX008208.D

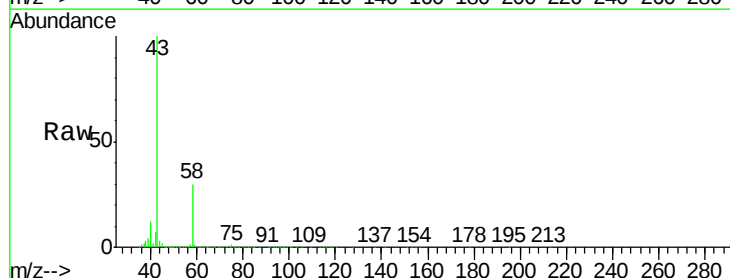
Acq: 19 Mar 2019 23:28

Tgt Ion: 43 Resp: 224335

Ion Ratio Lower Upper

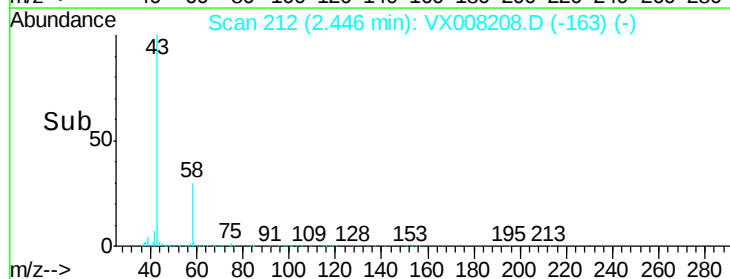
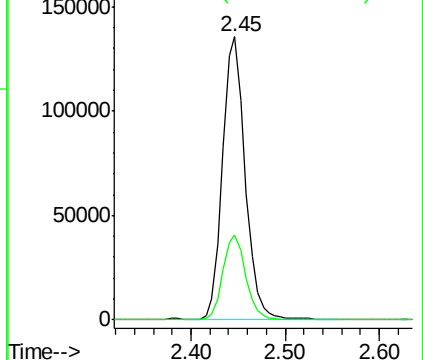
43 100

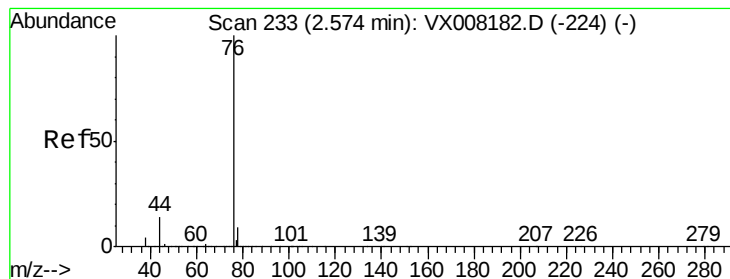
58 30.1 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 19.471 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX008208.D

Acq: 19 Mar 2019 23:28

Instrument :

MSVOA_X

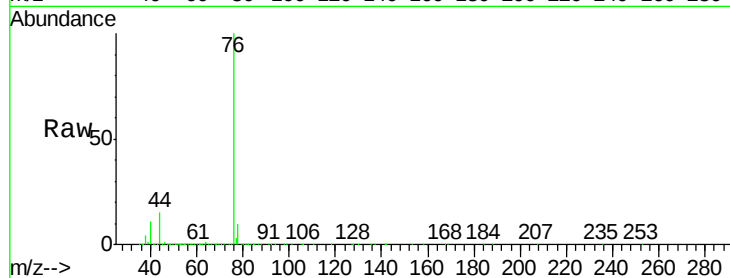
ClientSampled :

Tot Ion: 76 Resp: 216236

Ion Ratio Lower Upper

76 100

78 9.6 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

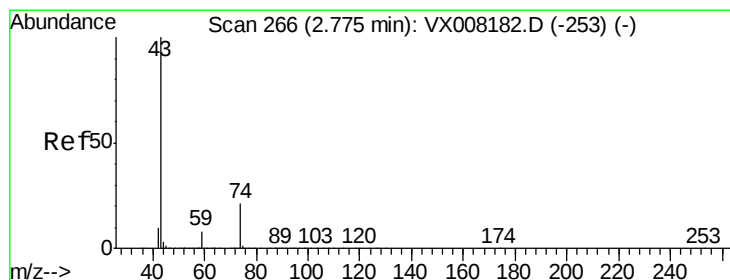
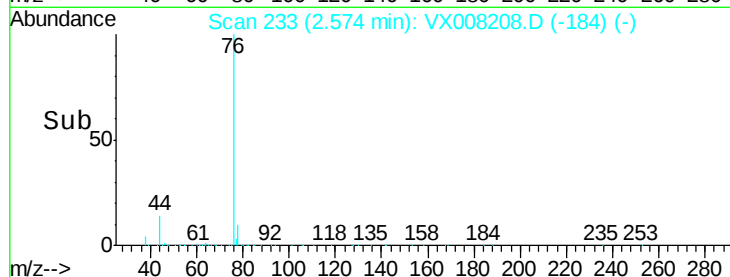
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 21.797 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX008208.D

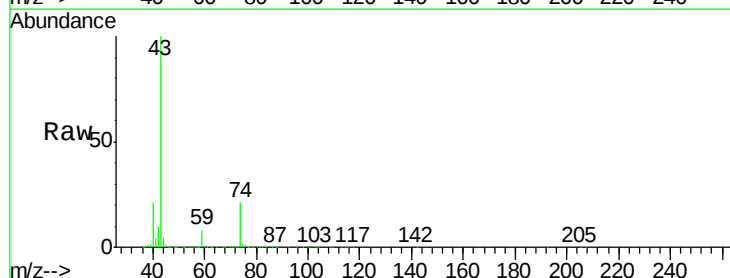
Acq: 19 Mar 2019 23:28

Tgt Ion: 43 Resp: 123514

Ion Ratio Lower Upper

43 100

74 21.3 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

80000

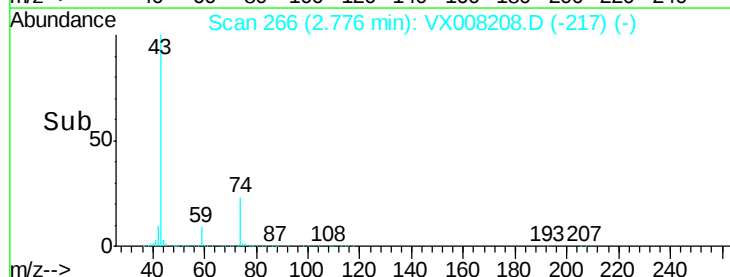
60000

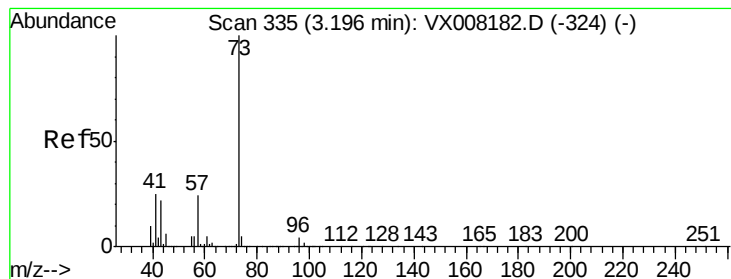
40000

20000

0

Time-->



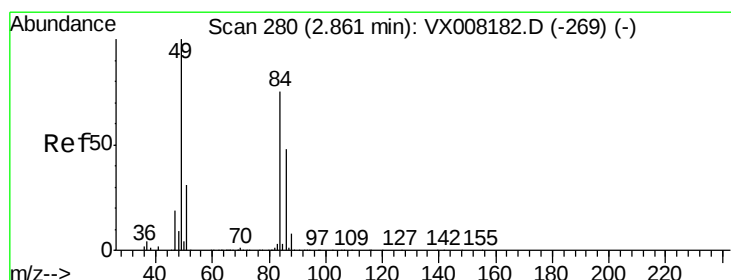
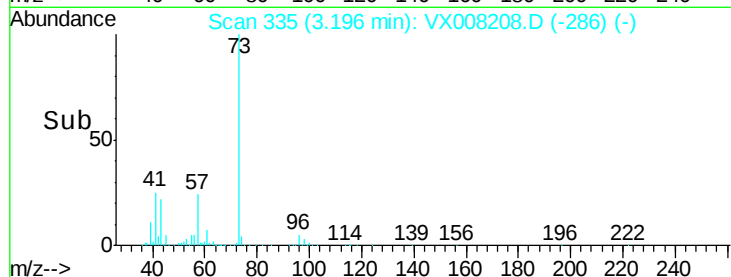
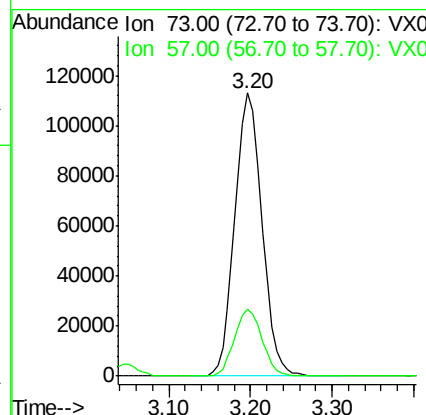
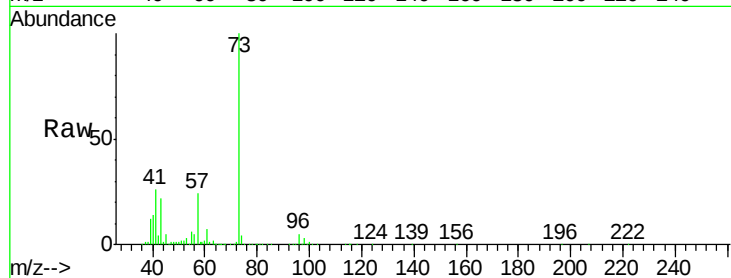


#19

Methyl tert-butyl Ether
 Concen: 20.633 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VX008208.D
 Acq: 19 Mar 2019 23:28

Instrument :
 MSVOA_X
 ClientSampleId :

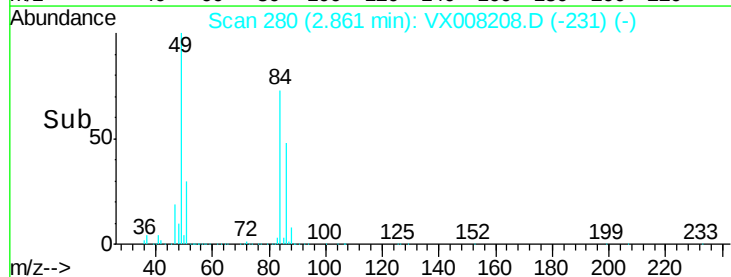
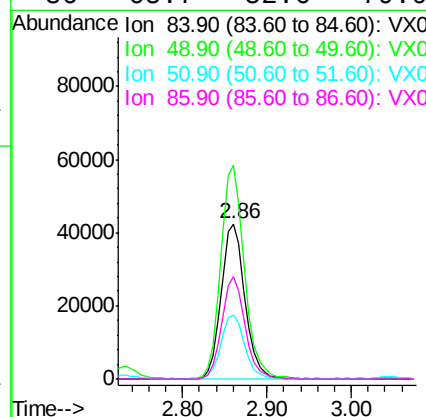
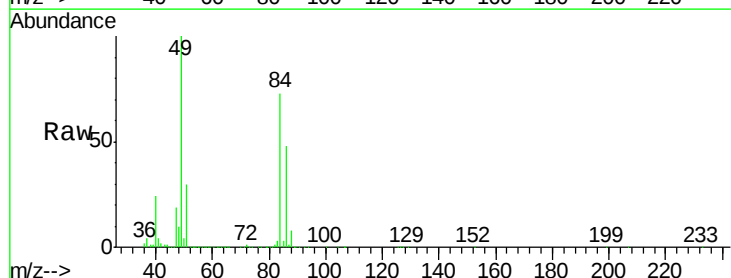
Tot Ion: 73 Resp: 259383
 Ion Ratio Lower Upper
 73 100
 57 23.7 18.2 27.4

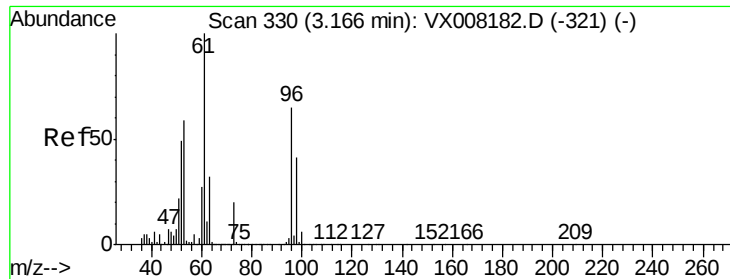


#20

Methylene Chloride
 Concen: 20.336 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. 0.00 min
 Lab File: VX008208.D
 Acq: 19 Mar 2019 23:28

Tgt Ion: 84 Resp: 83001
 Ion Ratio Lower Upper
 84 100
 49 137.2 99.3 148.9
 51 40.9 31.3 46.9
 86 65.7 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 19.849 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008208.D

Acq: 19 Mar 2019 23:28

Instrument :
MSVOA_X
ClientSampleId :

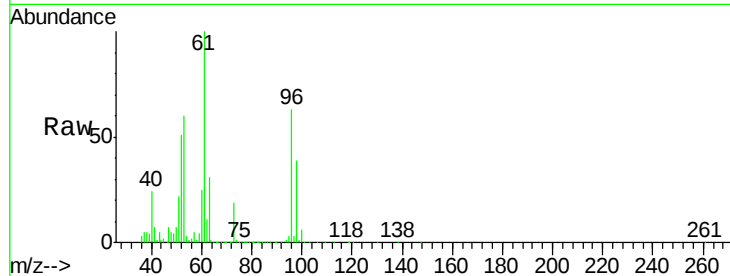
Tot Ion: 96 Resp: 74555

Ion Ratio Lower Upper

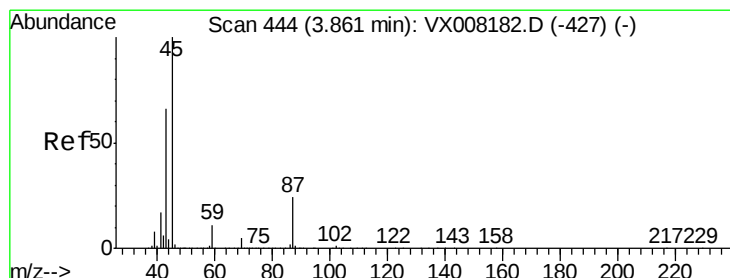
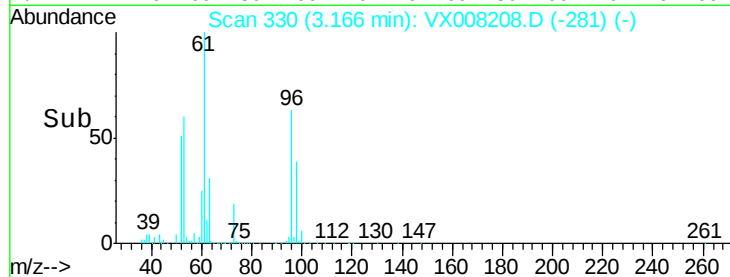
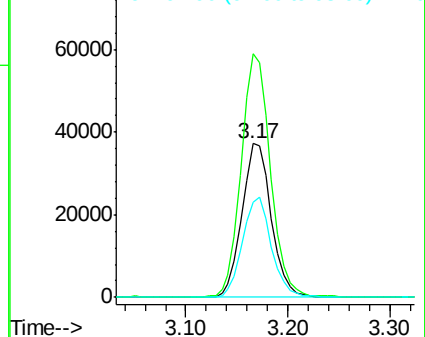
96 100

61 158.3 114.4 171.6

98 61.7 51.1 76.7



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



#22

Diisopropyl ether

Concen: 20.774 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.00 min

Lab File: VX008208.D

Acq: 19 Mar 2019 23:28

Tgt Ion: 45 Resp: 307933

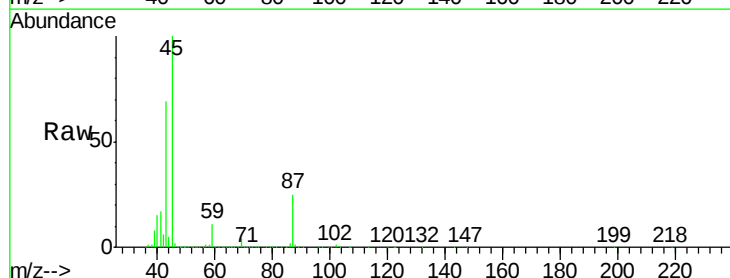
Ion Ratio Lower Upper

45 100

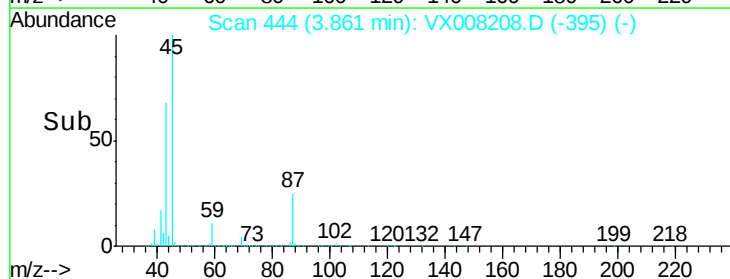
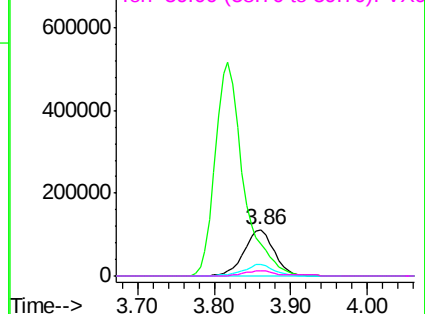
43 67.9 45.3 67.9

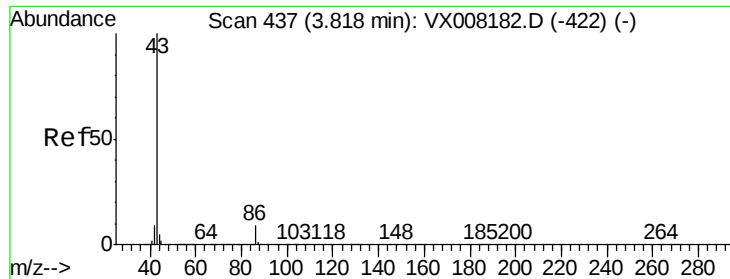
87 24.5 21.4 32.0

59 11.0 9.5 14.3



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: 104.013 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX008208.D

Acq: 19 Mar 2019 23:28

Instrument :

MSVOA_X

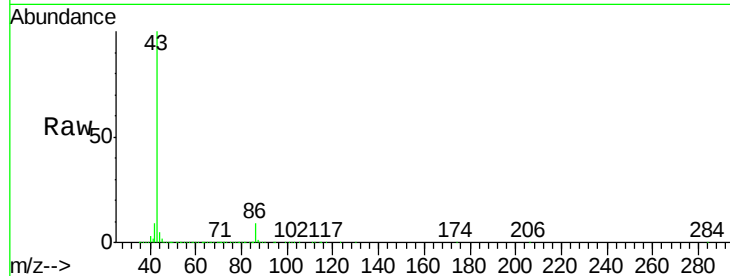
ClientSampled :

Tot Ion: 43 Resp: 1321853

Ion Ratio Lower Upper

43 100

86 8.9 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

500000

400000

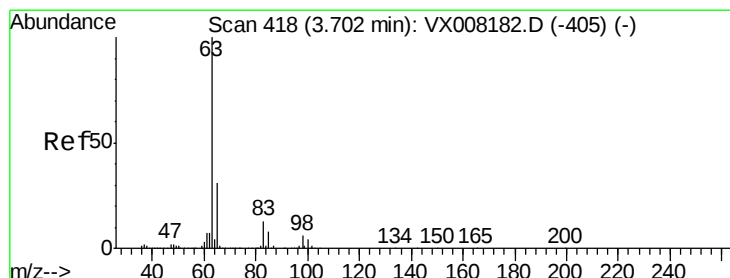
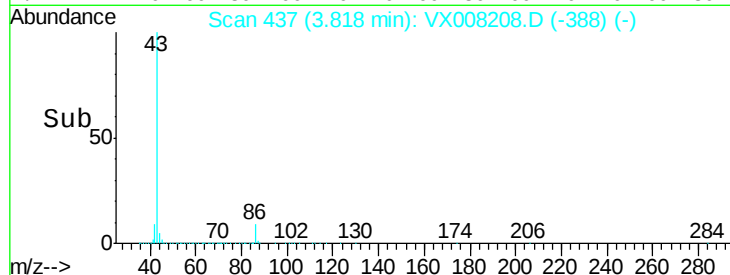
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.631 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.00 min

Lab File: VX008208.D

Acq: 19 Mar 2019 23:28

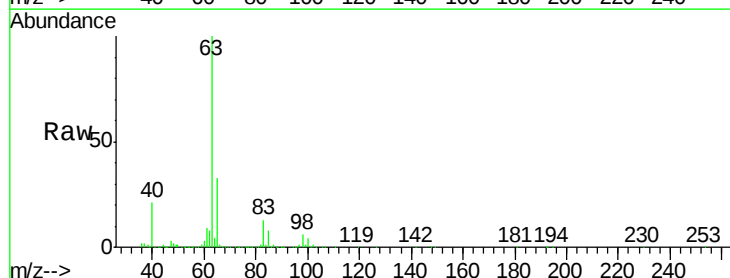
Tgt Ion: 63 Resp: 157287

Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.8

100 4.3 2.3 6.8



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

3.70

80000

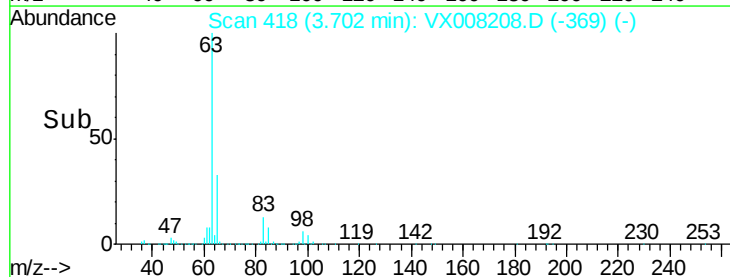
60000

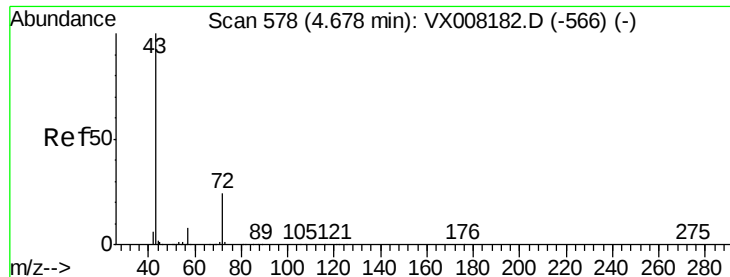
40000

20000

0

Time-->





#25

2-Butanone

Concen: 102.281 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX008208.D

Acq: 19 Mar 2019 23:28

Instrument :

MSVOA_X

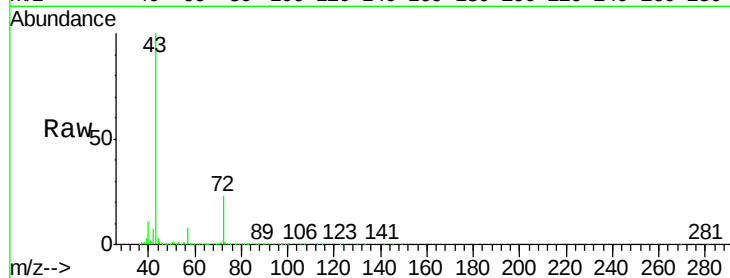
ClientSampled :

Tot Ion: 43 Resp: 369552

Ion Ratio Lower Upper

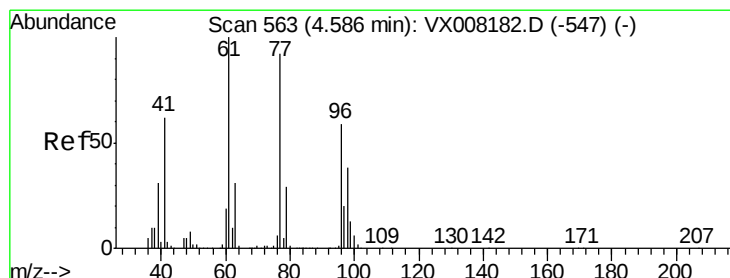
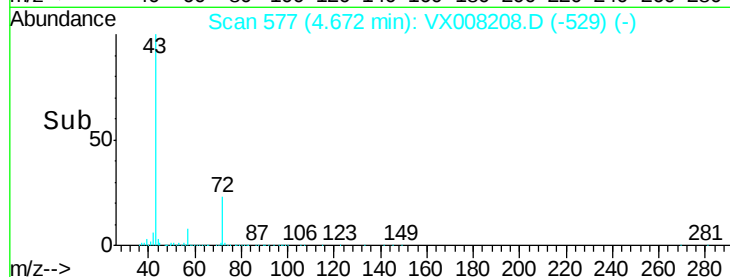
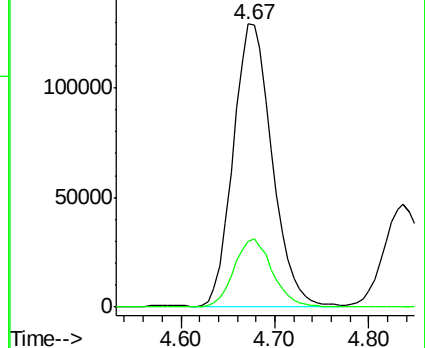
43 100

72 22.9 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 16.425 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX008208.D

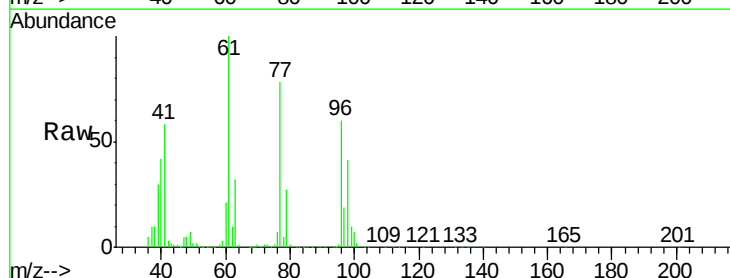
Acq: 19 Mar 2019 23:28

Tgt Ion: 77 Resp: 94334

Ion Ratio Lower Upper

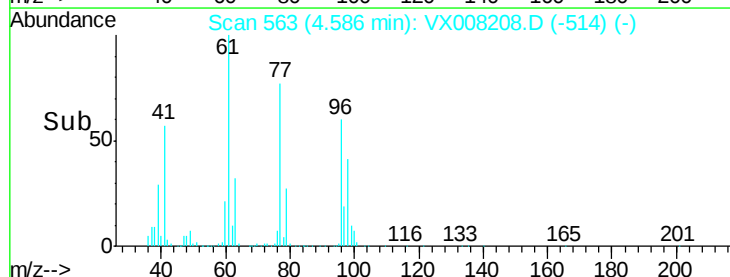
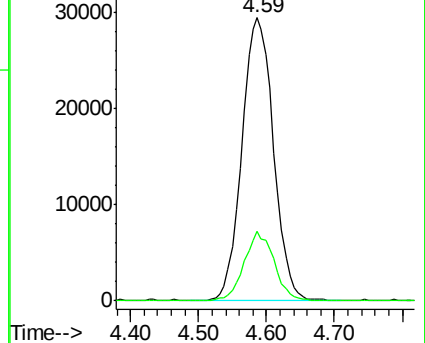
77 100

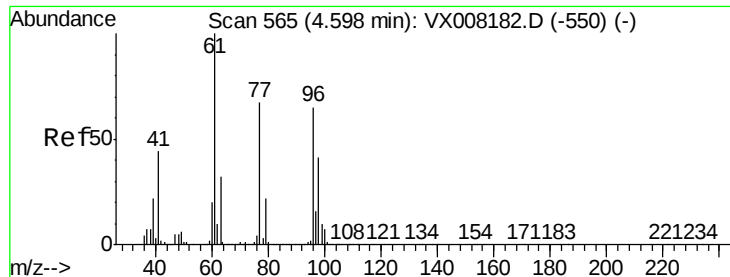
97 23.6 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



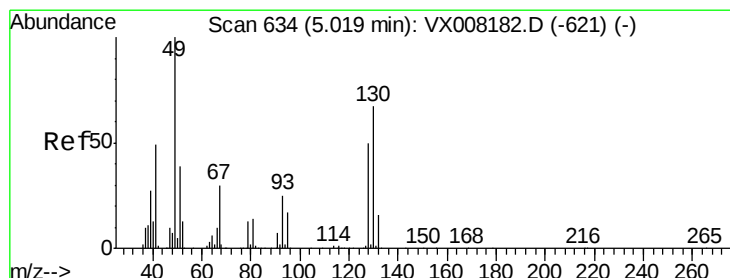
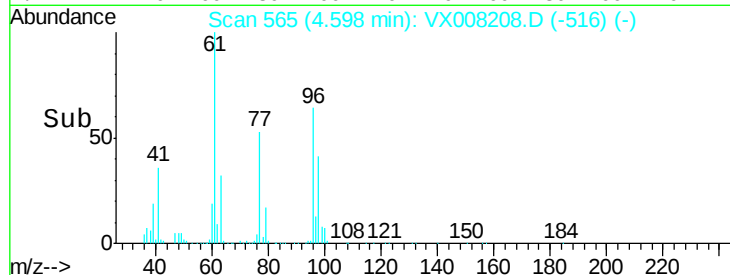
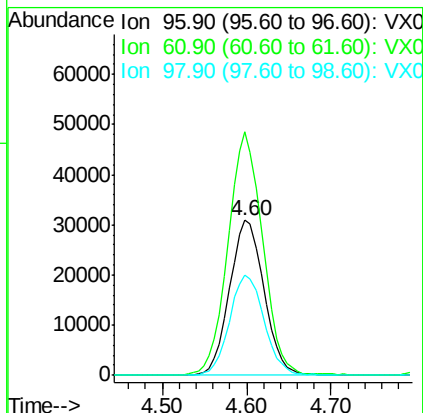
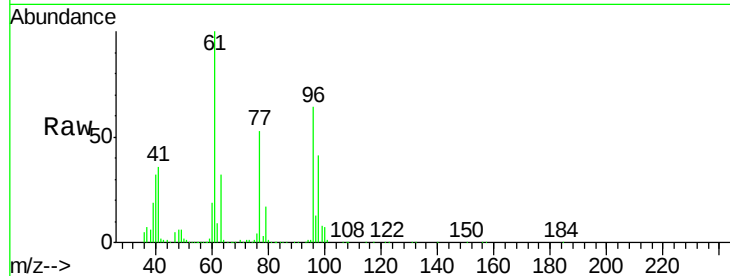


#27

cis-1,2-Dichloroethene
 Concen: 20.079 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX008208.D
 Acq: 19 Mar 2019 23:28

Instrument :
 MSVOA_X
 ClientSampled :

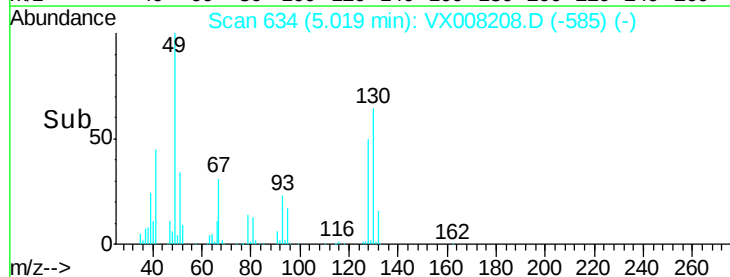
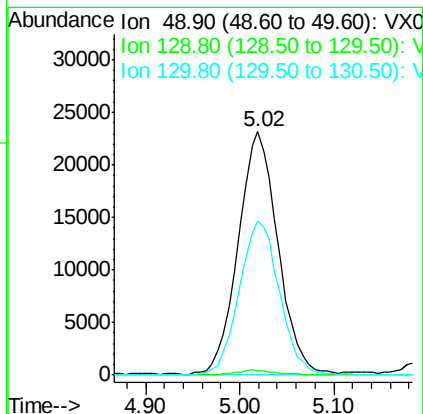
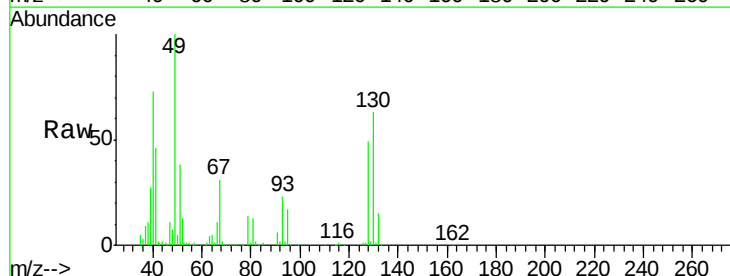
Tot Ion: 96 Resp: 85975
 Ion Ratio Lower Upper
 96 100
 61 156.6 0.0 288.0
 98 64.8 0.0 129.0

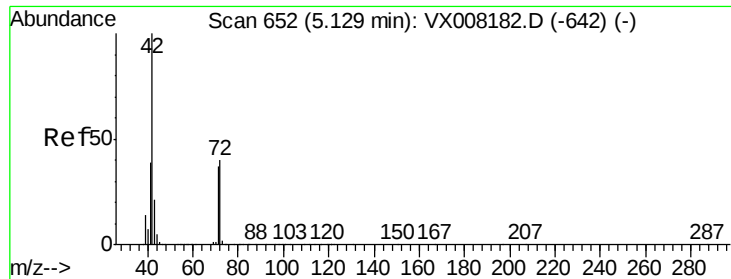


#28

Bromochloromethane
 Concen: 19.854 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VX008208.D
 Acq: 19 Mar 2019 23:28

Tgt Ion: 49 Resp: 67969
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.0
 130 64.7 65.0 97.4#

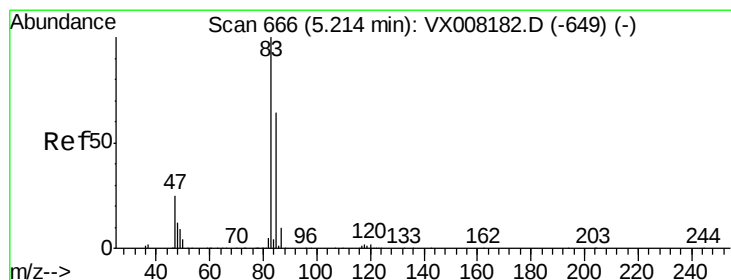
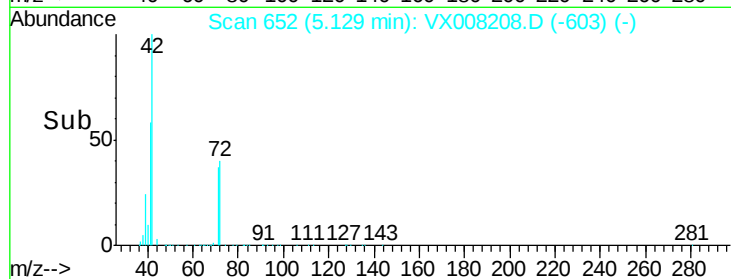
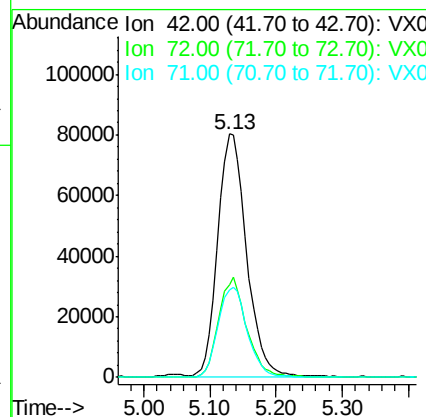
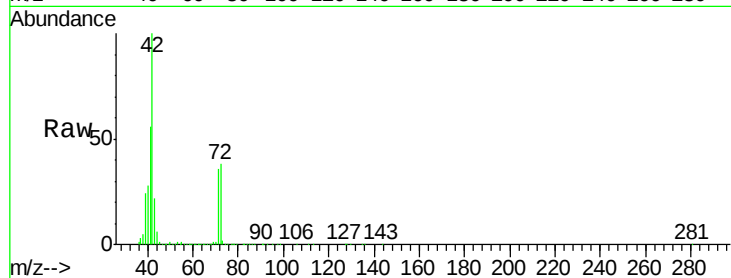




#29
Tetrahydrofuran
Concen: 107.359 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX008208.D
Acq: 19 Mar 2019 23:28

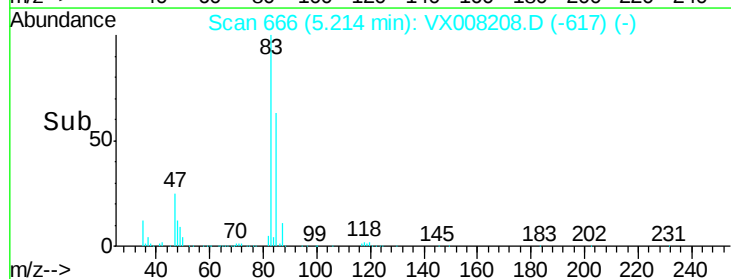
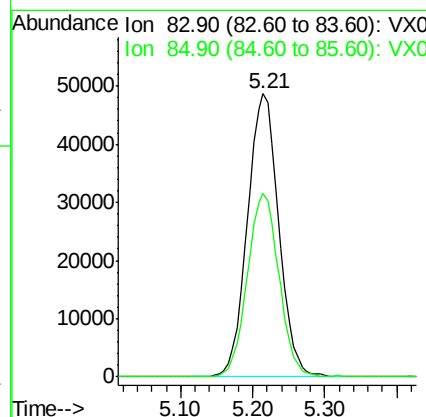
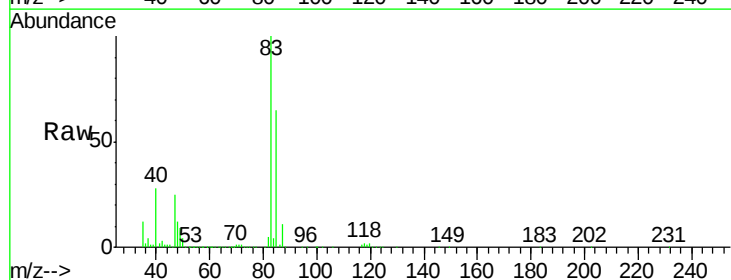
Instrument :
MSVOA_X
ClientSampleId :

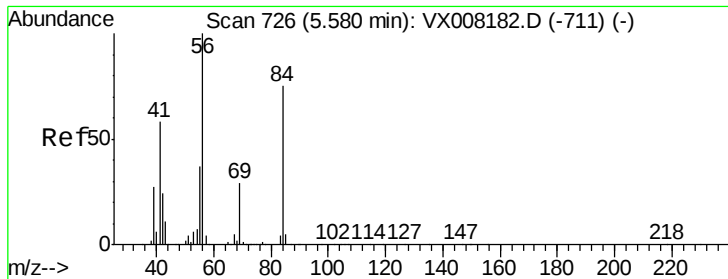
Tot Ion: 42 Resp: 242487
Ion Ratio Lower Upper
42 100
72 40.2 33.8 50.6
71 37.7 31.5 47.3



#30
Chloroform
Concen: 20.597 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX008208.D
Acq: 19 Mar 2019 23:28

Tgt Ion: 83 Resp: 146888
Ion Ratio Lower Upper
83 100
85 64.6 51.8 77.6





#31

Cyclohexane

Concen: 20.054 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX008208.D

Acq: 19 Mar 2019 23:28

Instrument :

MSVOA_X

ClientSampleId :

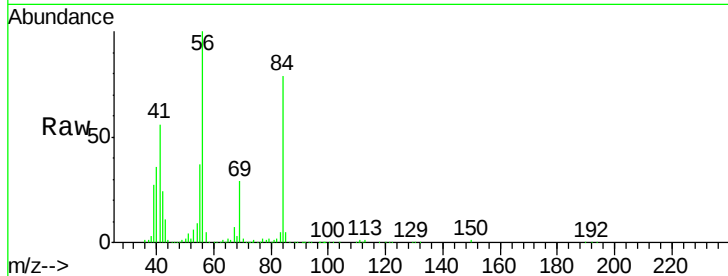
Tot Ion: 56 Resp: 143569

Ion Ratio Lower Upper

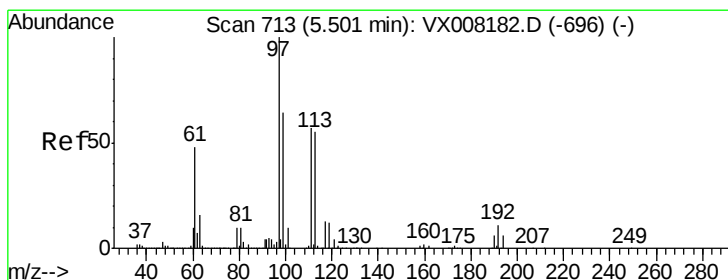
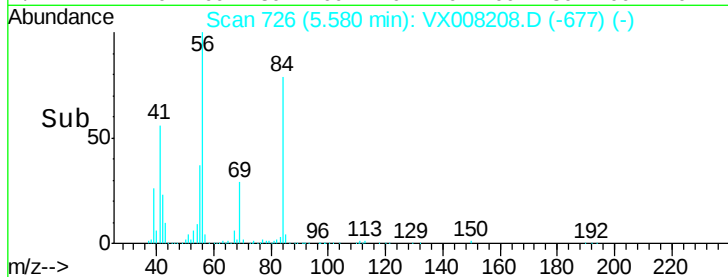
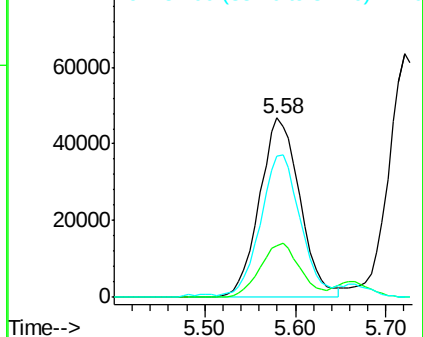
56 100

69 28.6 24.0 36.0

84 77.5 65.3 97.9



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



#32

1,1,1-Trichloroethane

Concen: 20.347 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008208.D

Acq: 19 Mar 2019 23:28

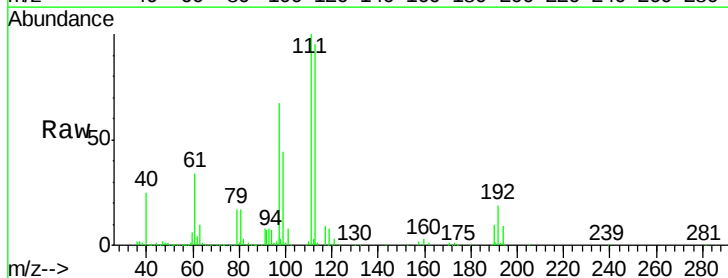
Tgt Ion: 97 Resp: 120708

Ion Ratio Lower Upper

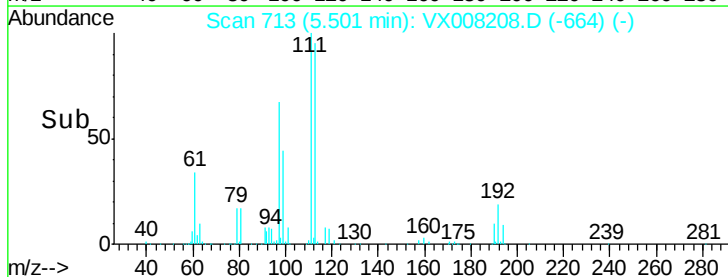
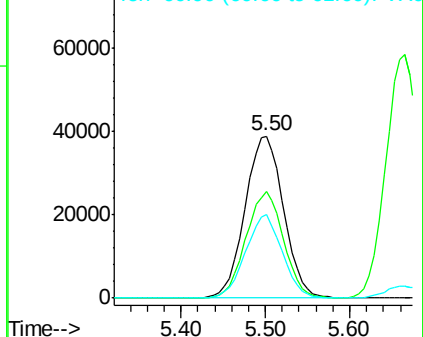
97 100

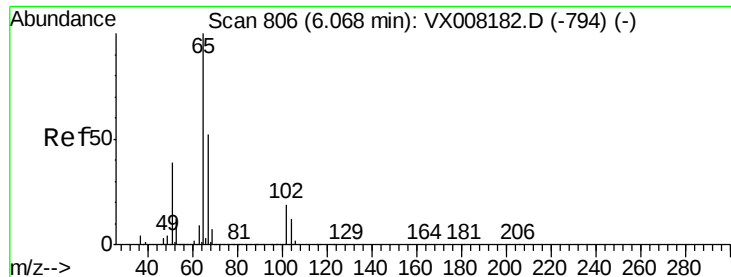
99 64.4 52.2 78.2

61 49.6 34.9 52.3



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





#33

1,2-Dichloroethane-d4

Concen: 50.254 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX008208.D

Acq: 19 Mar 2019 23:28

Instrument :

MSVOA_X

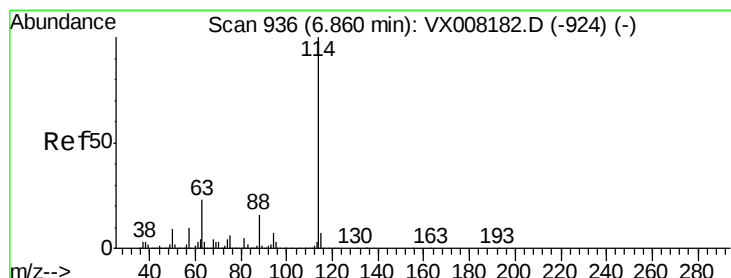
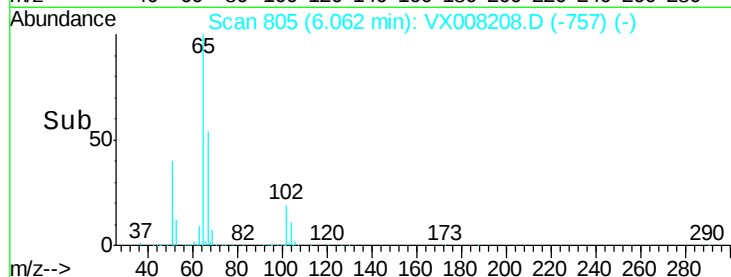
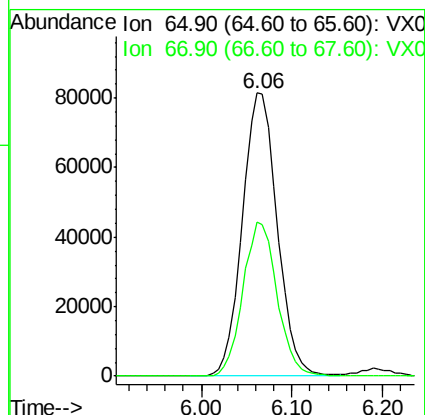
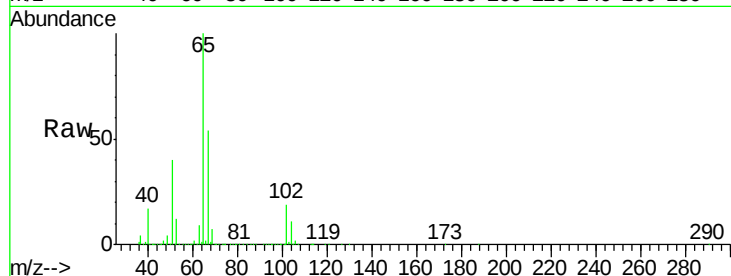
ClientSampleId :

Tot Ion: 65 Resp: 216876

Ion Ratio Lower Upper

65 100

67 53.3 0.0 110.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008208.D

Acq: 19 Mar 2019 23:28

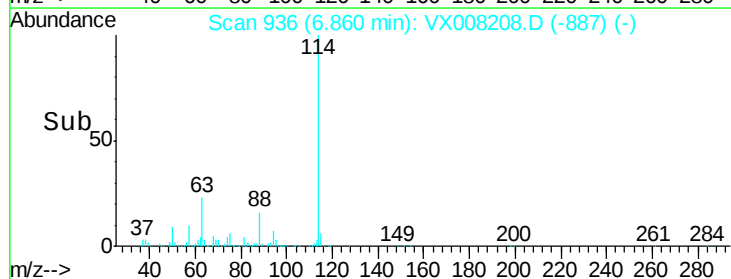
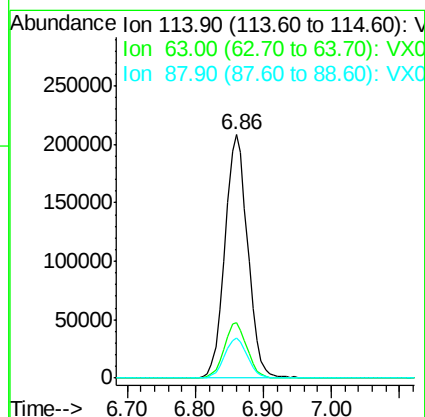
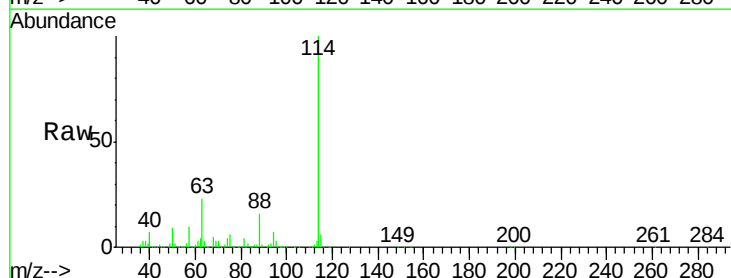
Tgt Ion: 114 Resp: 483985

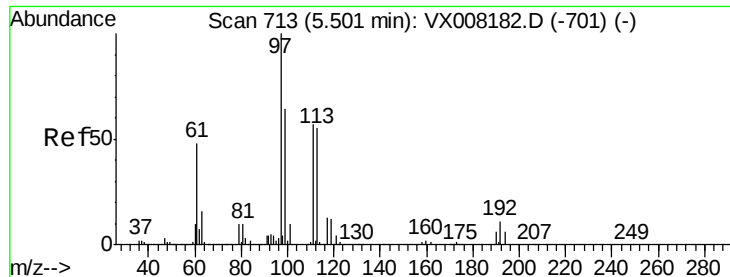
Ion Ratio Lower Upper

114 100

63 22.7 0.0 39.8

88 16.5 0.0 31.4

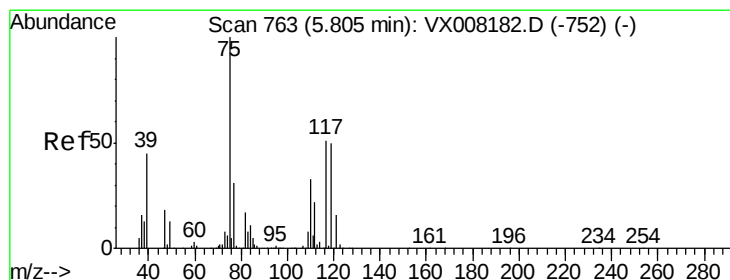
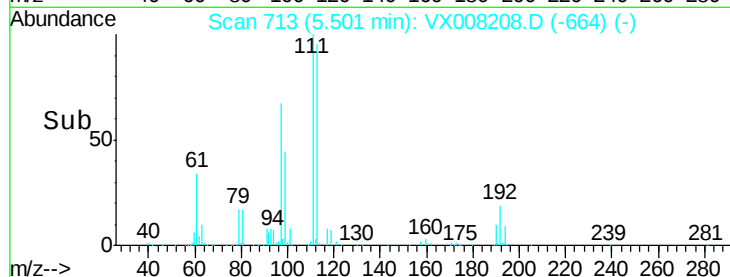
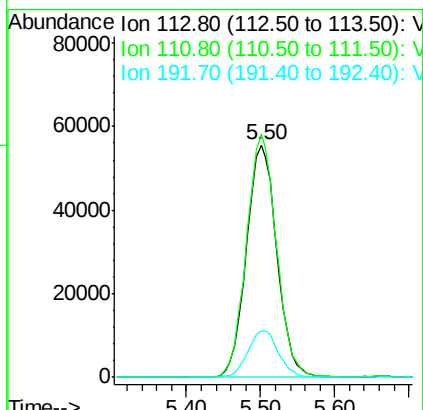
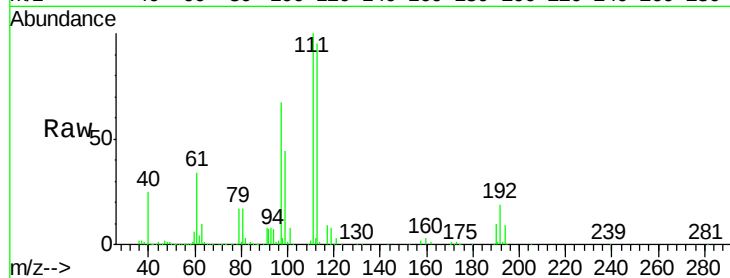




#35
 Dibromofluoromethane
 Concen: 49.402 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX008208.D
 Acq: 19 Mar 2019 23:28

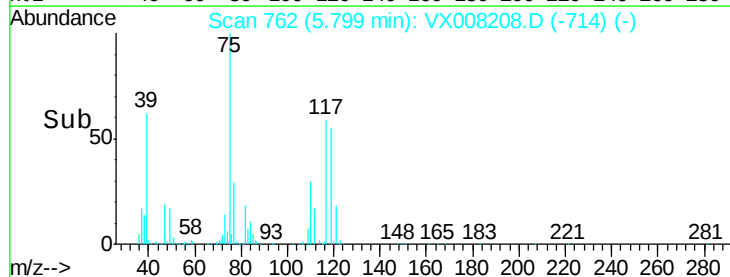
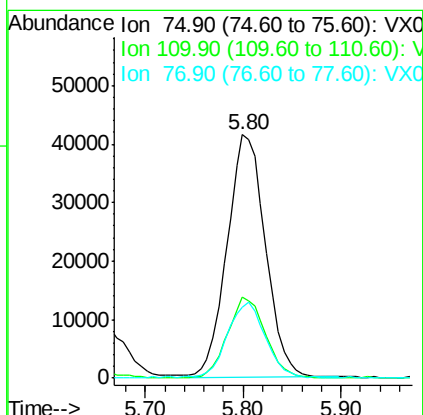
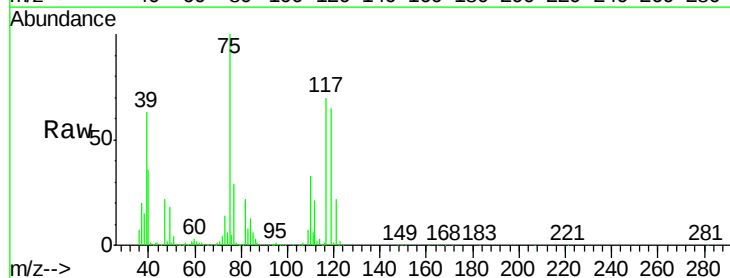
Instrument :
 MSVOA_X
 ClientSampleId :

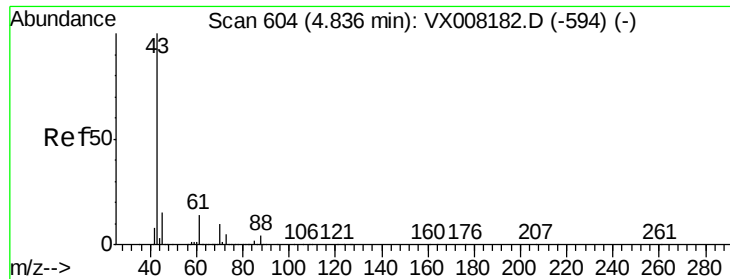
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.4	122.0
192	20.3	19.4	29.0



#36
 1,1-Dichloropropene
 Concen: 19.943 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: VX008208.D
 Acq: 19 Mar 2019 23:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.3	18.4	55.0
77	30.6	25.0	37.4

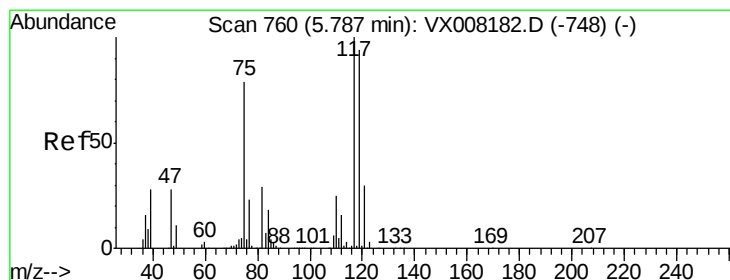
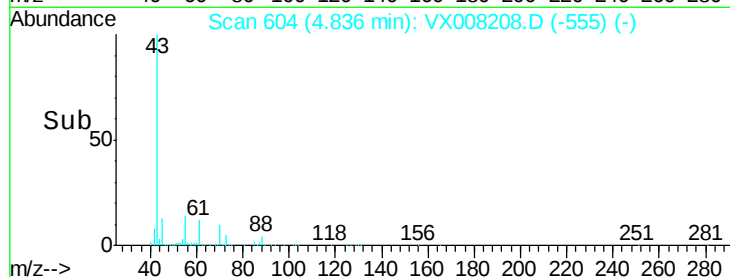
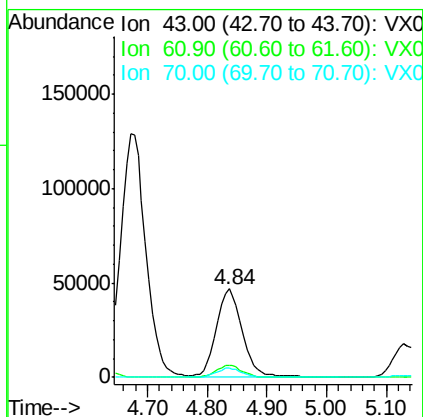
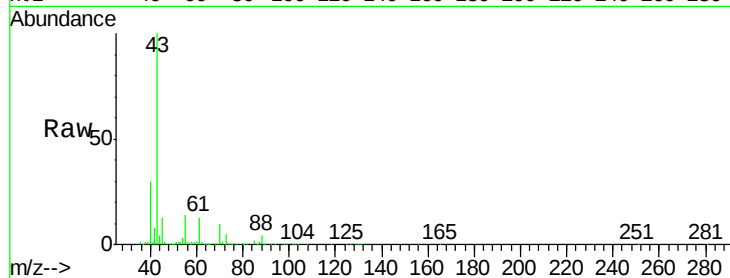




#37
Ethyl Acetate
Concen: 21.118 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX008208.D
Acq: 19 Mar 2019 23:28

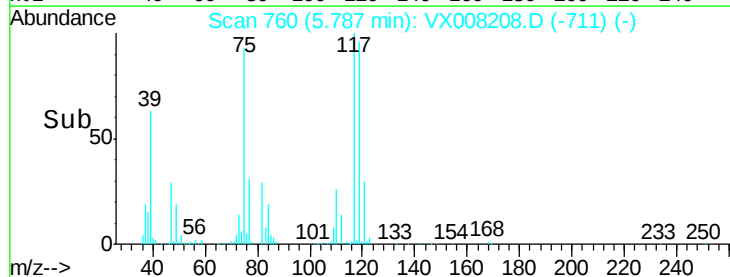
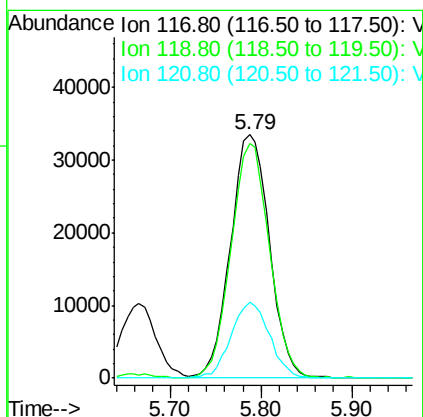
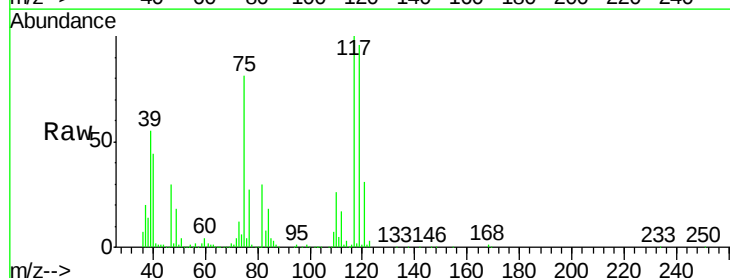
Instrument :
MSVOA_X
ClientSampleId :

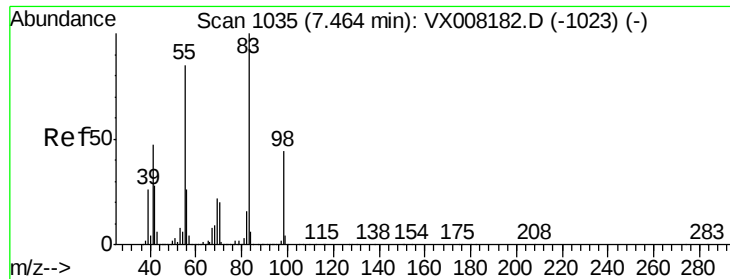
Tot Ion: 43 Resp: 140670
Ion Ratio Lower Upper
43 100
61 12.8 11.3 16.9
70 10.0 8.5 12.7



#38
Carbon Tetrachloride
Concen: 19.800 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX008208.D
Acq: 19 Mar 2019 23:28

Tgt Ion: 117 Resp: 99407
Ion Ratio Lower Upper
117 100
119 96.5 76.2 114.2
121 30.9 24.6 36.8

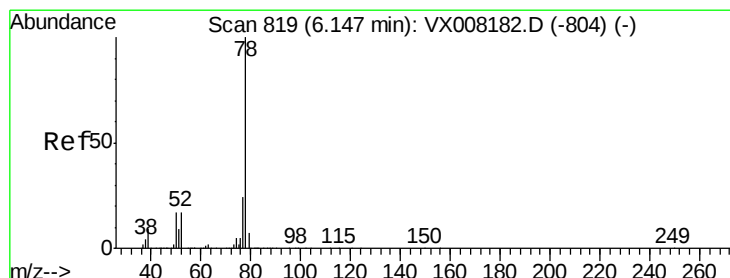
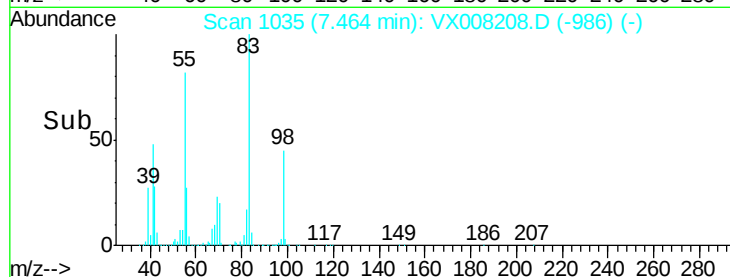
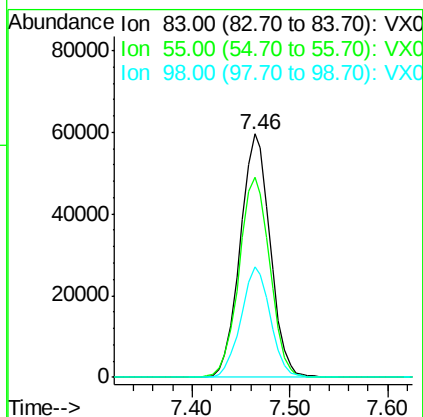
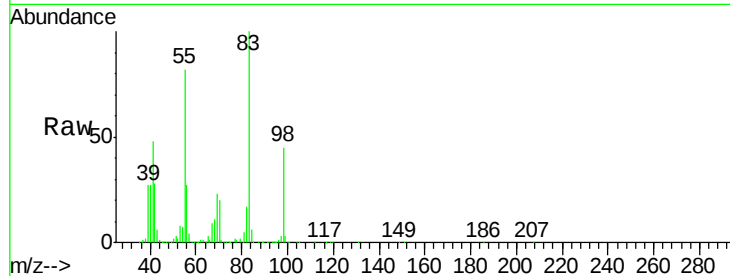




#39
Methvlcvclohexane
Concen: 18.613 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008208.D
Acq: 19 Mar 2019 23:28

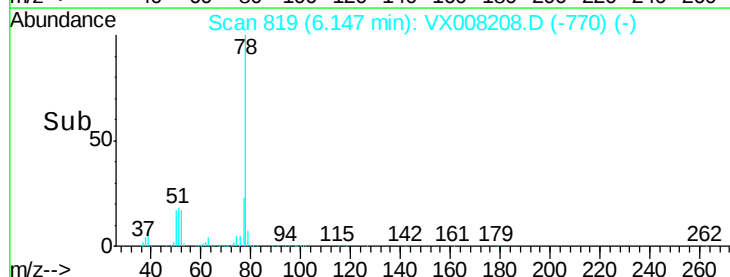
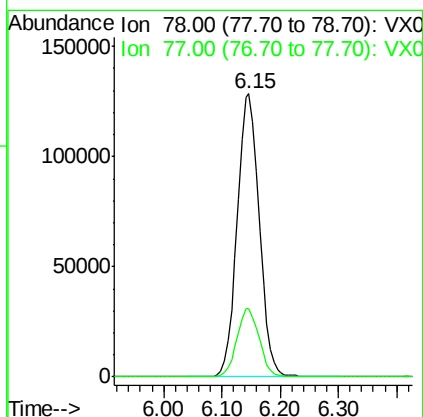
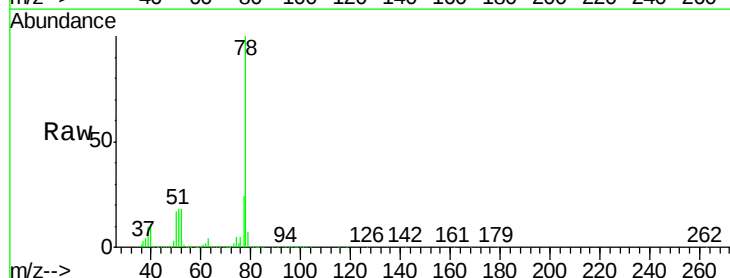
Instrument :
MSVOA_X
ClientSampleId :

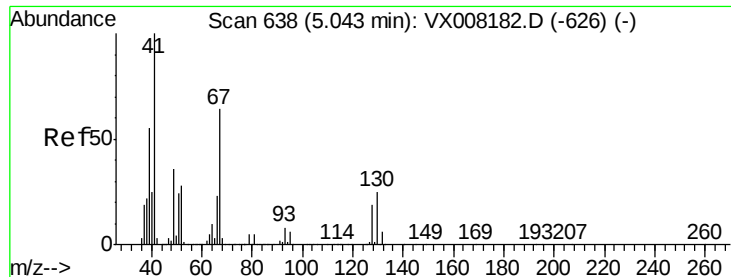
Tot Ion	83.00	Resp	126216
Ion	Ratio	Lower	Upper
83	100		
55	82.1	60.4	90.6
98	45.3	36.5	54.7



#40
Benzene
Concen: 20.318 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.00 min
Lab File: VX008208.D
Acq: 19 Mar 2019 23:28

Tgt Ion	78.00	Resp	338863
Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4





#41

Methacrylonitrile

Concen: 20.901 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX008208.D

Acq: 19 Mar 2019 23:28

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 41 Resp: 78094

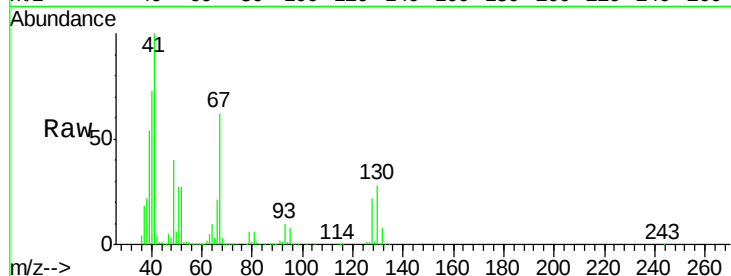
Ion Ratio Lower Upper

41 100

39 54.1 41.6 62.4

67 66.4 55.8 83.6

52 28.1 21.7 32.5

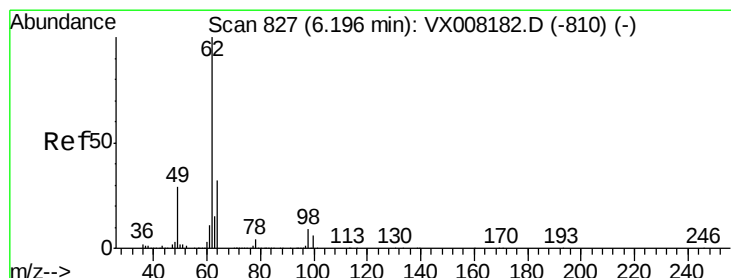
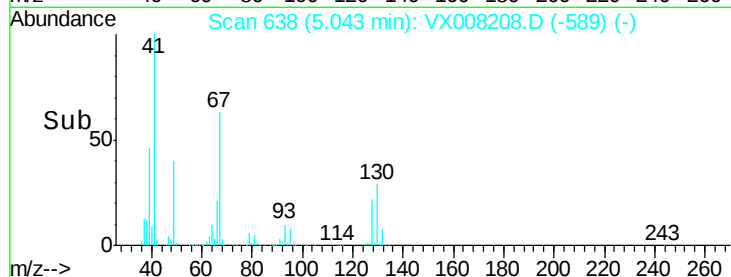
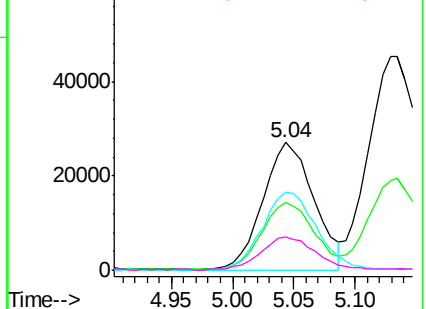


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 20.349 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.00 min

Lab File: VX008208.D

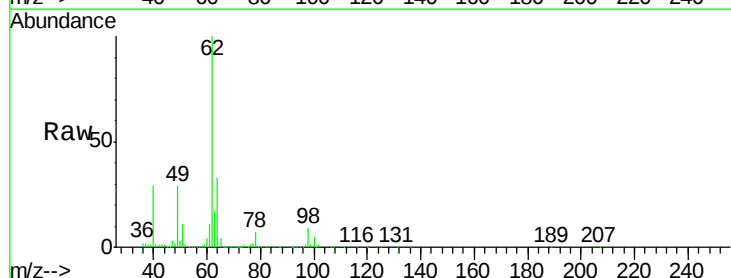
Acq: 19 Mar 2019 23:28

Tgt Ion: 62 Resp: 124325

Ion Ratio Lower Upper

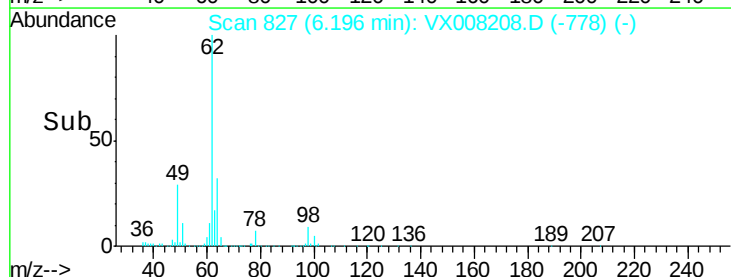
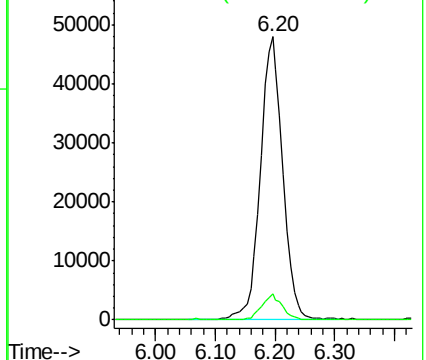
62 100

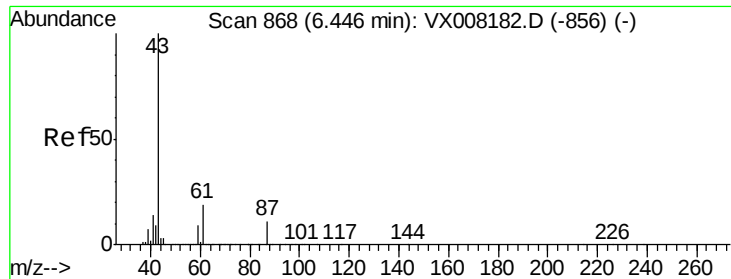
98 8.5 0.0 20.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



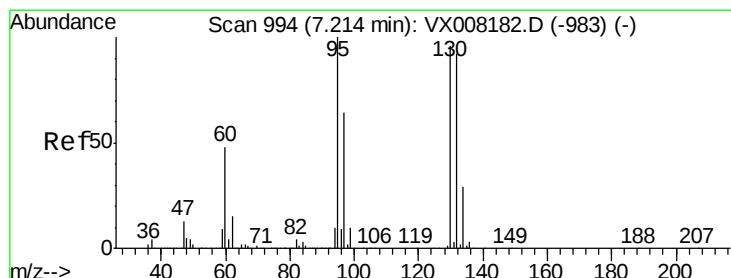
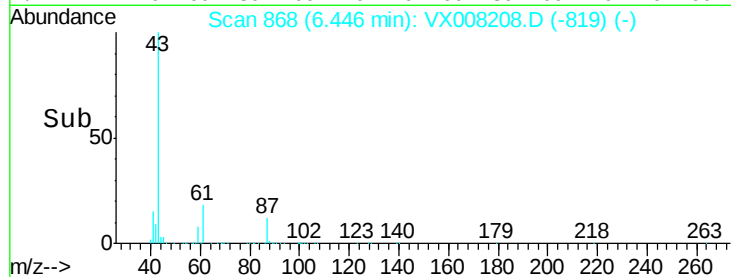
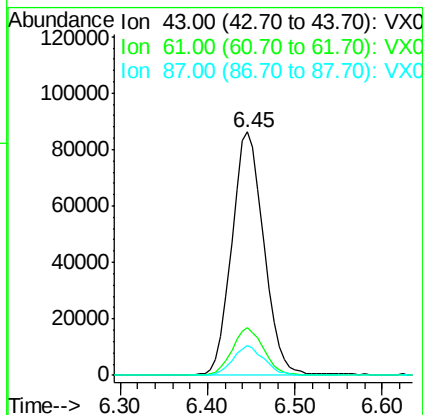
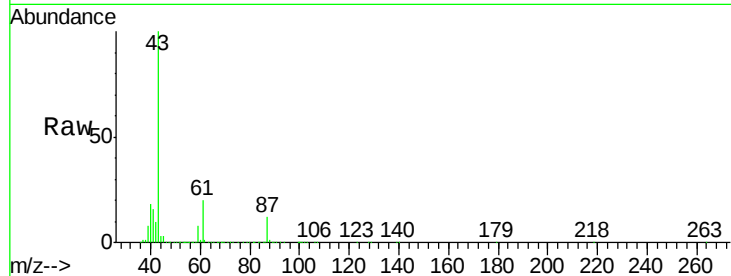


#43

Isopropyl Acetate
 Concen: 20.425 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX008208.D
 Acq: 19 Mar 2019 23:28

Instrument :
 MSVOA_X
 ClientSampleId :

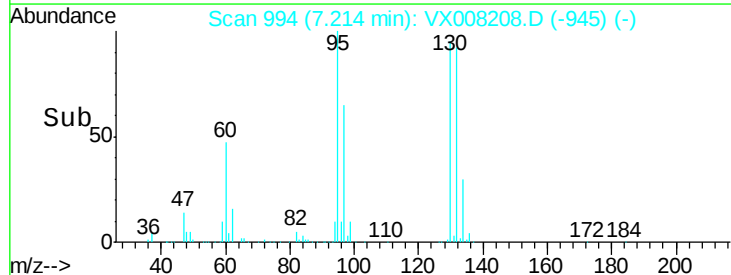
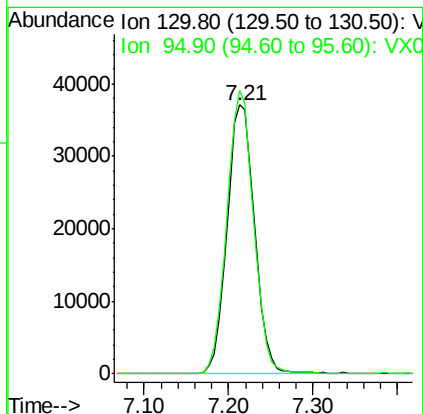
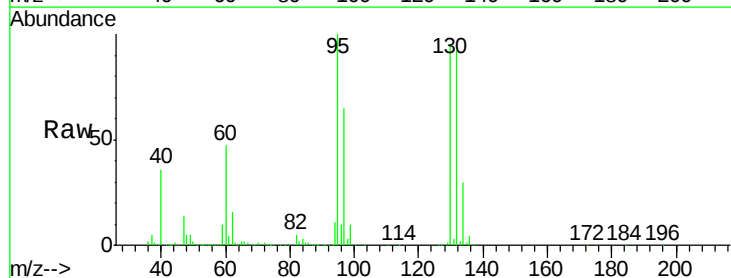
Tot Ion: 43 Resp: 218073
 Ion Ratio Lower Upper
 43 100
 61 19.2 16.3 24.5
 87 12.0 10.5 15.7

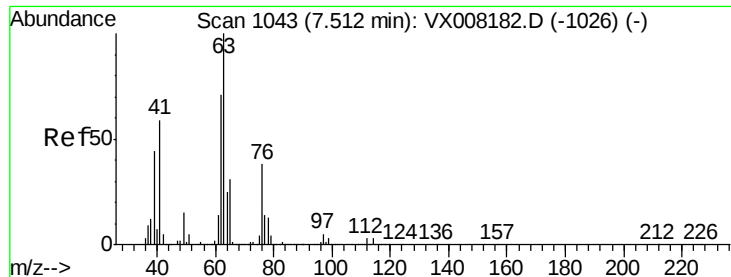


#44

Trichloroethene
 Concen: 20.170 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX008208.D
 Acq: 19 Mar 2019 23:28

Tgt Ion: 130 Resp: 82254
 Ion Ratio Lower Upper
 130 100
 95 105.2 0.0 188.0





#45

1,2-Dichloropropane

Concen: 20.146 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX008208.D

Acq: 19 Mar 2019 23:28

Instrument :

MSVOA_X

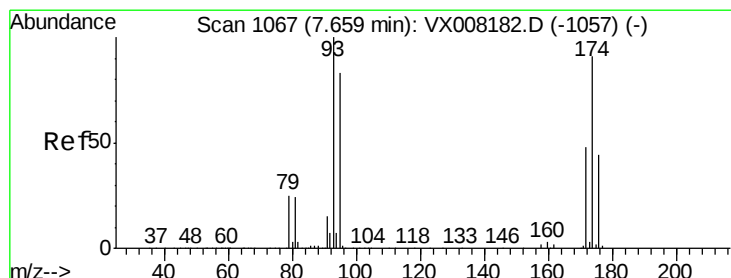
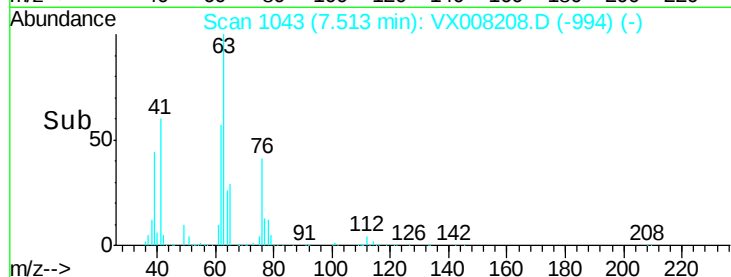
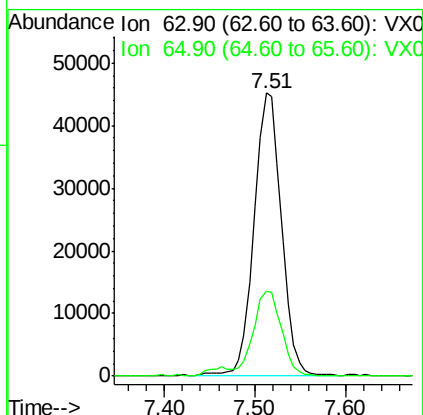
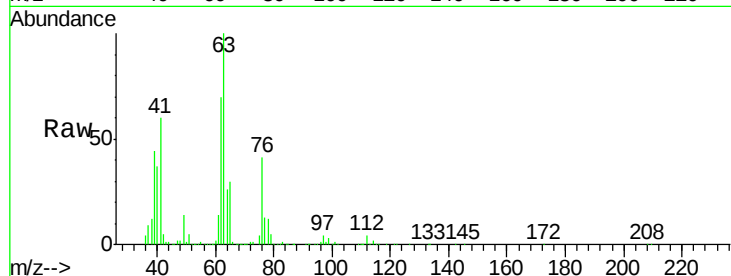
ClientSampled :

Tot Ion: 63 Resp: 94059

Ion Ratio Lower Upper

63 100

65 29.9 24.7 37.1



#46

Dibromomethane

Concen: 19.831 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX008208.D

Acq: 19 Mar 2019 23:28

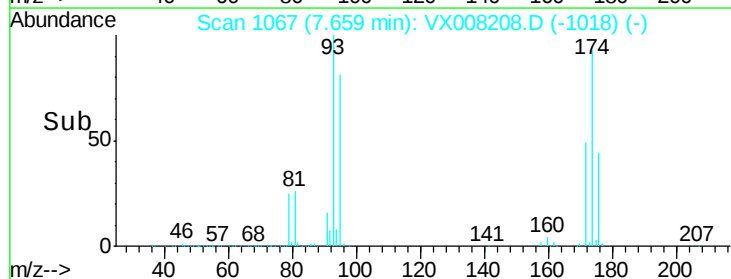
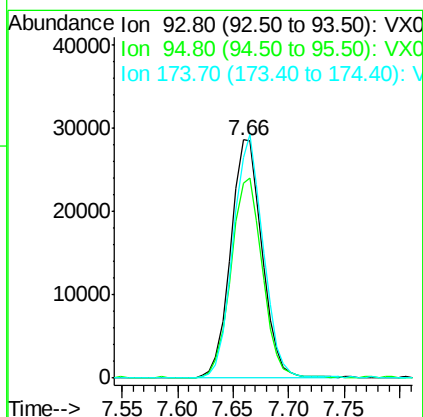
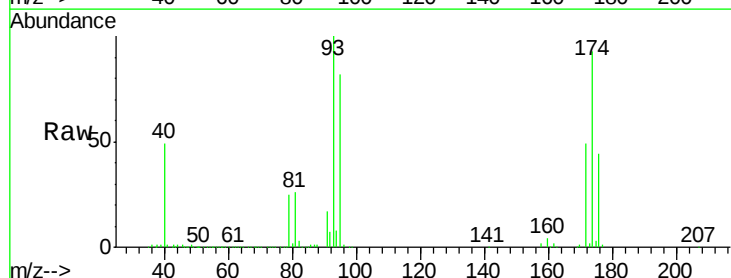
Tgt Ion: 93 Resp: 56059

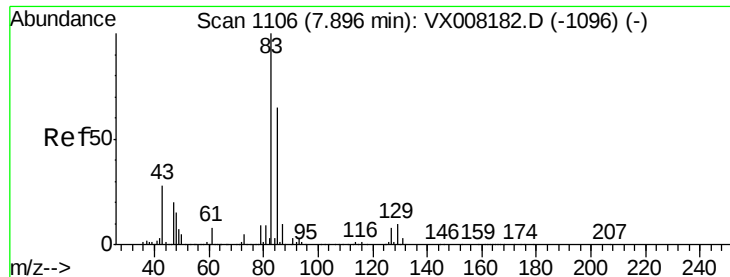
Ion Ratio Lower Upper

93 100

95 83.6 66.8 100.2

174 98.1 97.3 145.9





#47

Bromodichloromethane

Concen: 20.089 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008208.D

Acq: 19 Mar 2019 23:28

Instrument :

MSVOA_X

ClientSampleId :

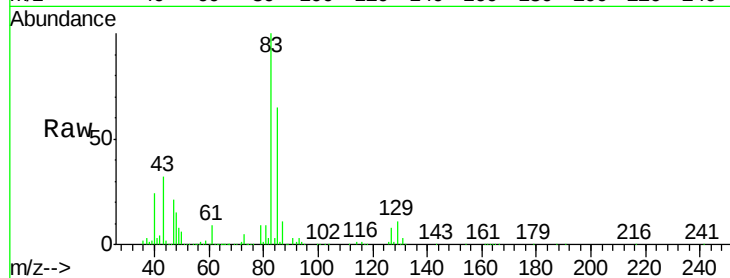
Tot Ion: 83 Resp: 108223

Ion Ratio Lower Upper

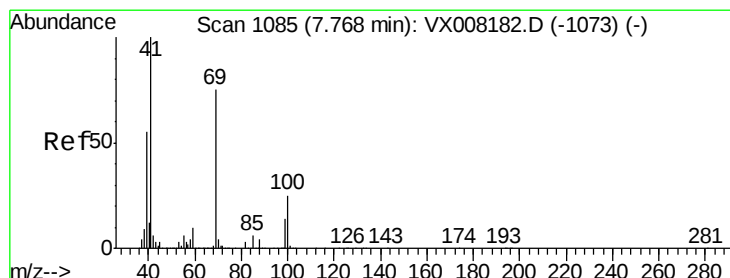
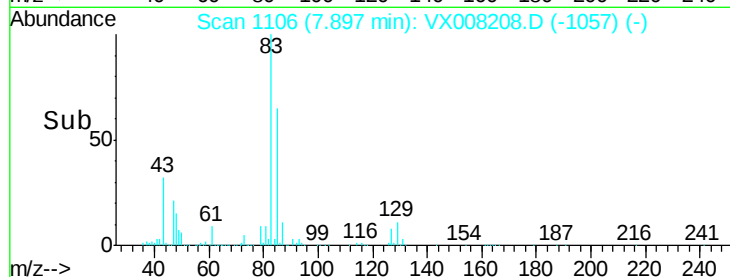
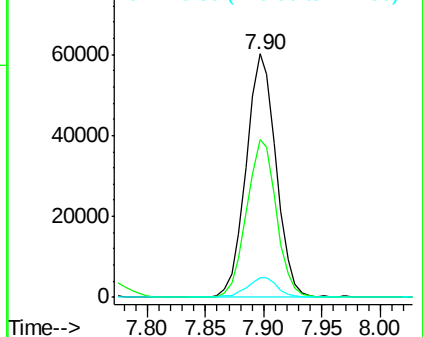
83 100

85 64.7 50.9 76.3

127 8.0 7.4 11.0



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



#48

Methyl methacrylate

Concen: 20.484 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX008208.D

Acq: 19 Mar 2019 23:28

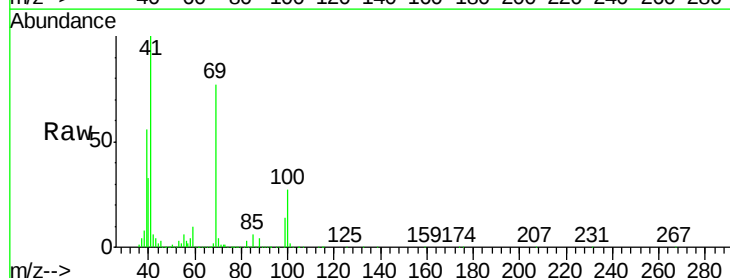
Tgt Ion: 41 Resp: 116287

Ion Ratio Lower Upper

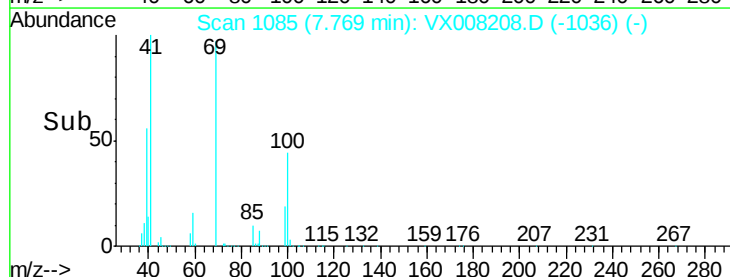
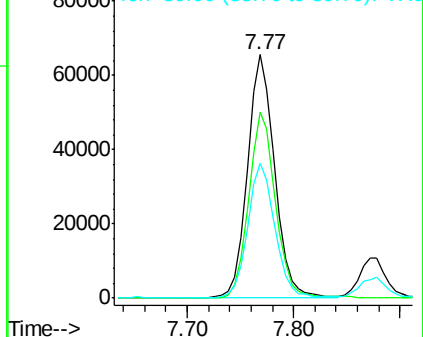
41 100

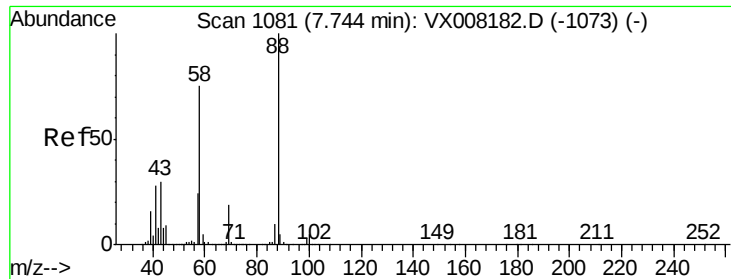
69 76.5 65.2 97.8

39 56.5 39.4 59.2



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

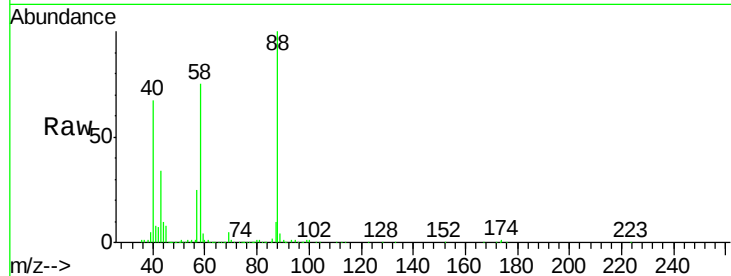




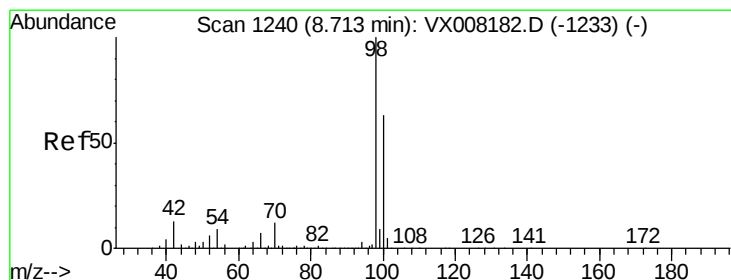
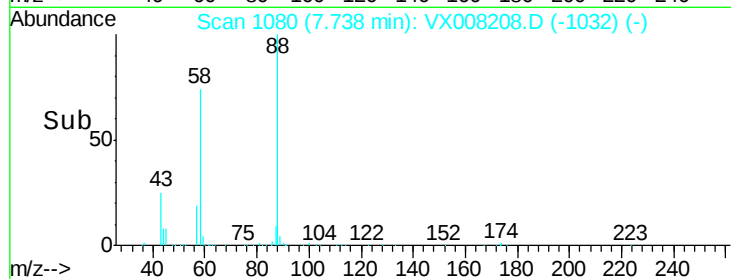
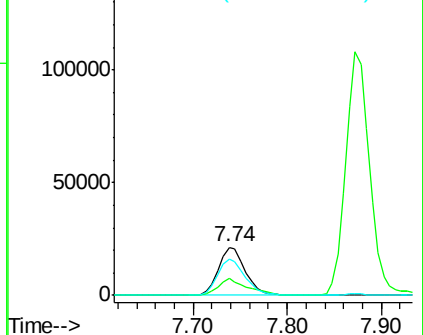
#49
1,4-Dioxane
Concen: 415.500 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.01 min
Lab File: VX008208.D
Acq: 19 Mar 2019 23:28

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 88 Resp: 41625
Ion Ratio Lower Upper
88 100
43 36.1 25.1 37.7
58 77.1 57.8 86.6

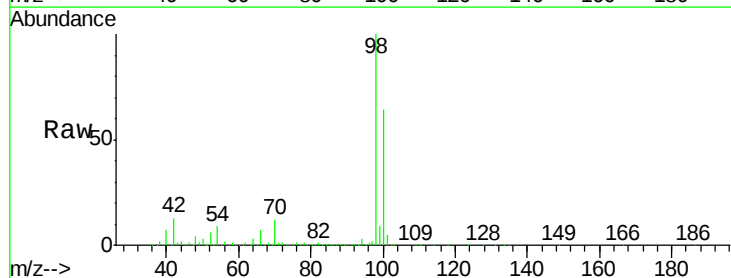


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

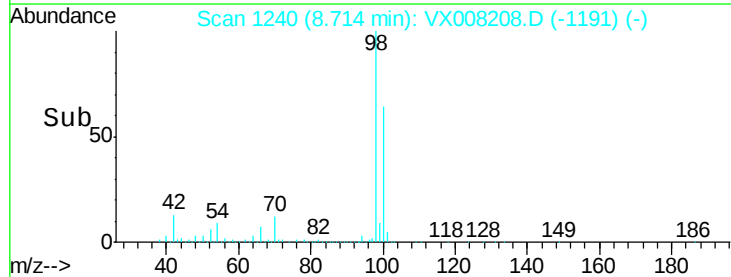
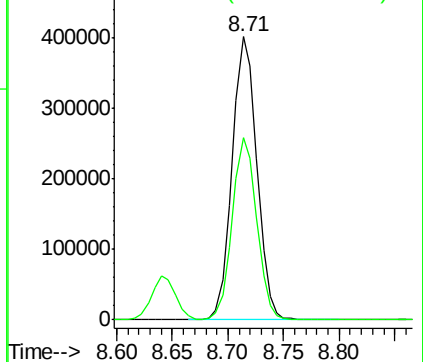


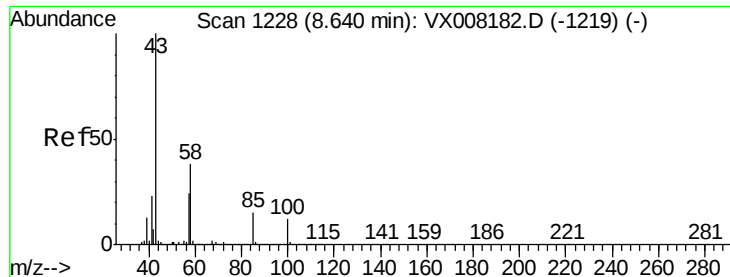
#50
Toluene-d8
Concen: 50.363 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008208.D
Acq: 19 Mar 2019 23:28

Tgt Ion: 98 Resp: 618655
Ion Ratio Lower Upper
98 100
100 63.6 51.7 77.5



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





#51

4-Methyl-2-Pentanone

Concen: 107.484 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX008208.D

Acq: 19 Mar 2019 23:28

Instrument :

MSVOA_X

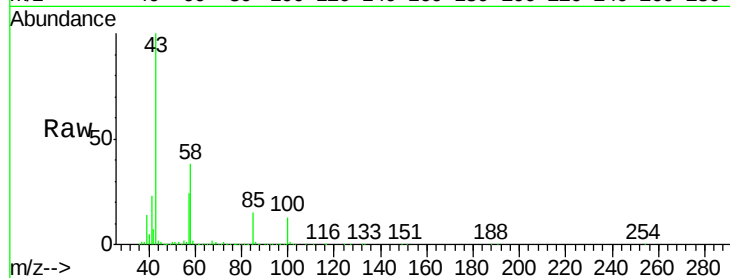
ClientSampled :

Tot Ion: 43 Resp: 741903

Ion Ratio Lower Upper

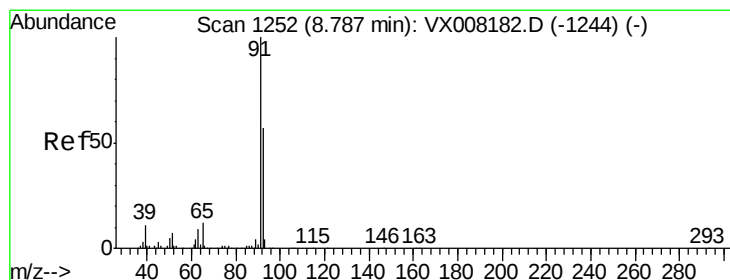
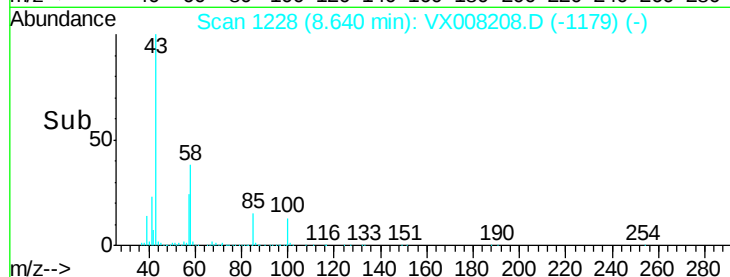
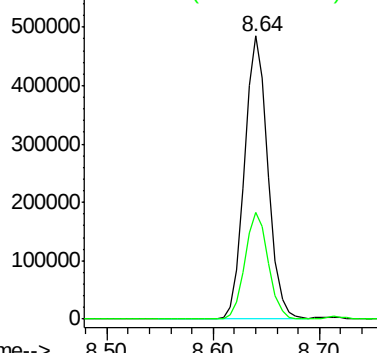
43 100

58 37.6 31.3 46.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.346 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008208.D

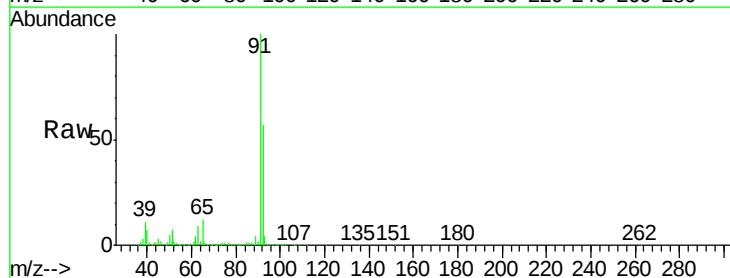
Acq: 19 Mar 2019 23:28

Tgt Ion: 92 Resp: 201310

Ion Ratio Lower Upper

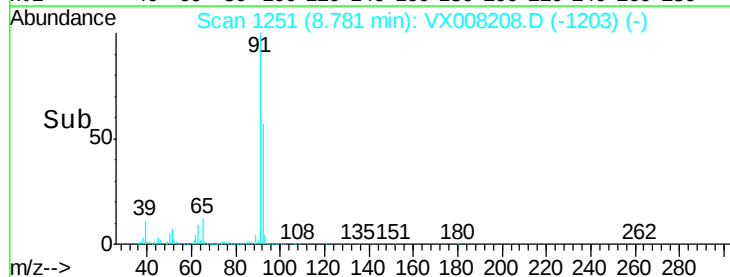
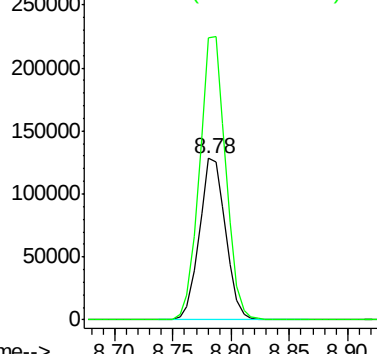
92 100

91 175.2 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 17.955 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX008208.D

Acq: 19 Mar 2019 23:28

Instrument :

MSVOA_X

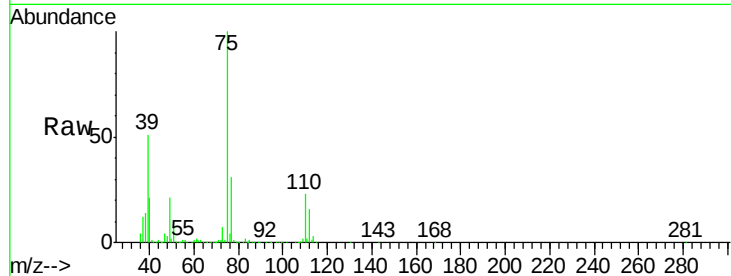
ClientSampleId :

Tot Ion: 75 Resp: 114805

Ion Ratio Lower Upper

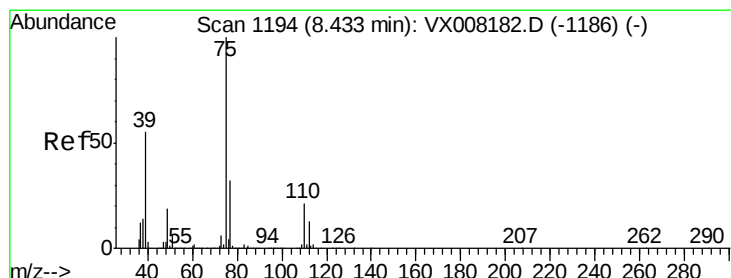
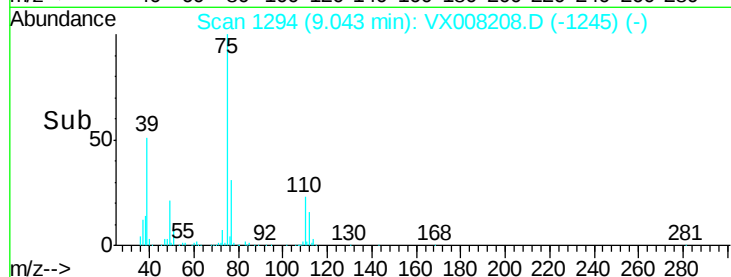
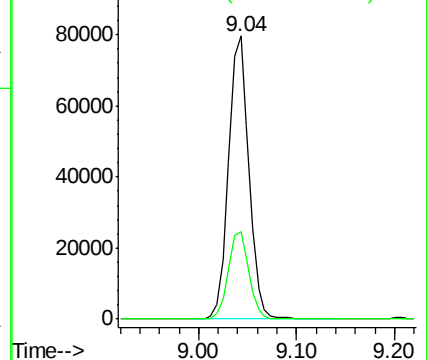
75 100

77 31.0 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 19.324 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX008208.D

Acq: 19 Mar 2019 23:28

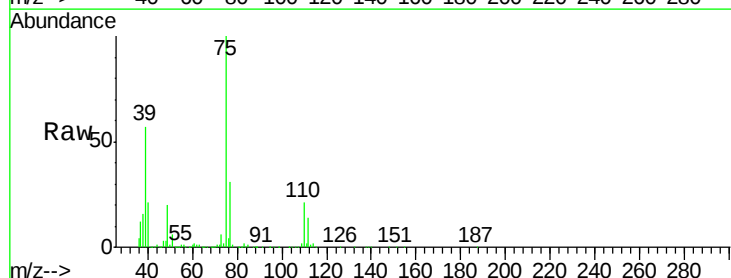
Tgt Ion: 75 Resp: 129198

Ion Ratio Lower Upper

75 100

77 30.9 25.0 37.6

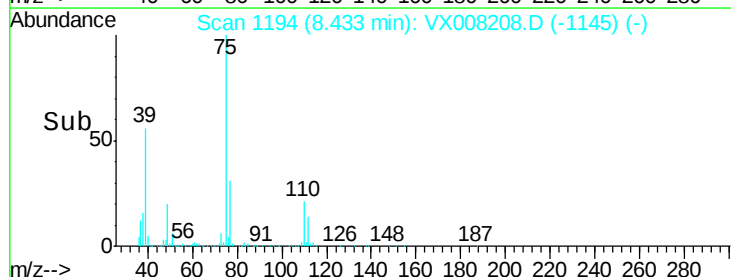
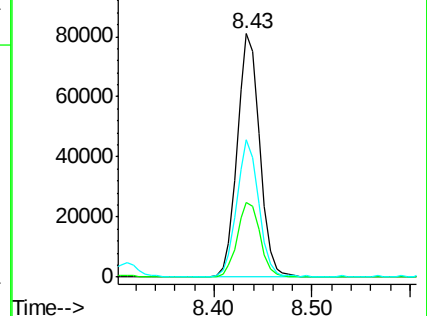
39 56.4 36.6 54.8#

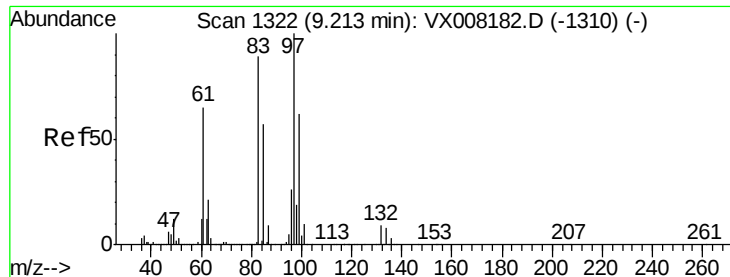


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





#55

1,1,2-Trichloroethane

Concen: 20.812 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX008208.D

Acq: 19 Mar 2019 23:28

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 97 Resp: 83198

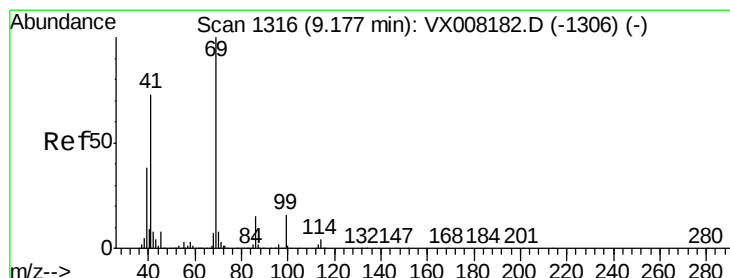
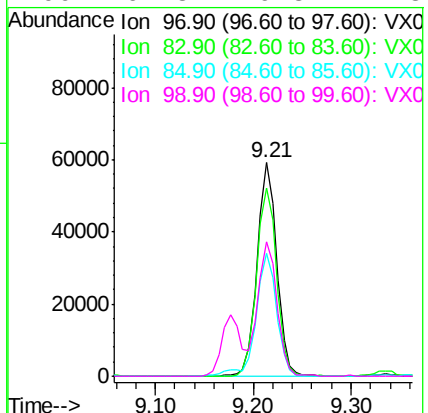
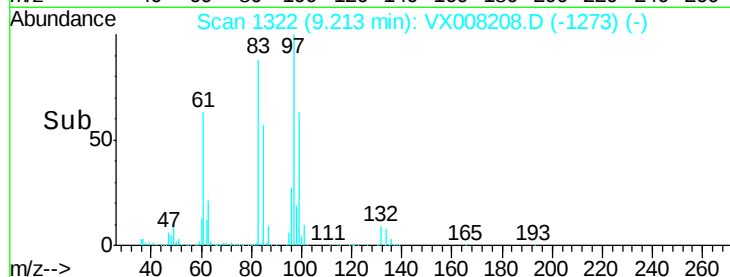
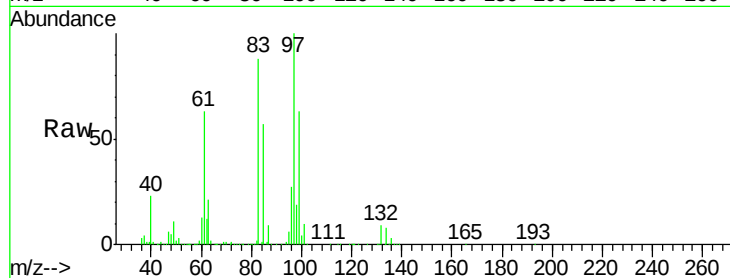
Ion	Ratio	Lower	Upper
97	100		
83	88.1	69.1	103.7
85	57.2	44.3	66.5
99	62.8	49.8	74.8

97 100

83 88.1 69.1 103.7

85 57.2 44.3 66.5

99 62.8 49.8 74.8



#56

Ethyl methacrylate

Concen: 19.681 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX008208.D

Acq: 19 Mar 2019 23:28

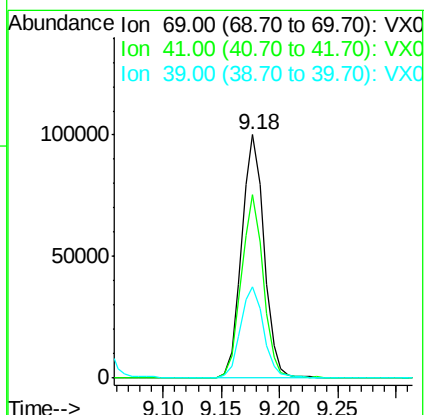
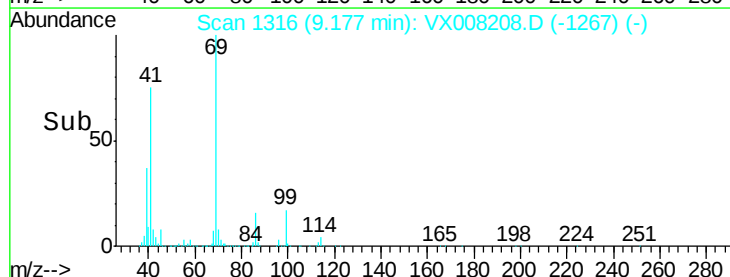
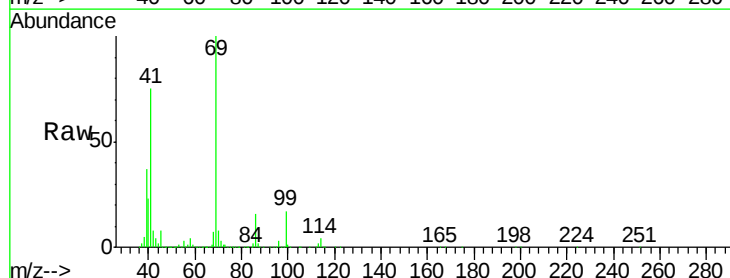
Tgt Ion: 69 Resp: 135747

Ion	Ratio	Lower	Upper
69	100		
41	73.9	54.2	81.4
39	38.3	25.0	37.4#

69 100

41 73.9 54.2 81.4

39 38.3 25.0 37.4#





#57

1,3-Dichloropropane

Concen: 20.729 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX008208.D

Acq: 19 Mar 2019 23:28

Instrument :

MSVOA_X

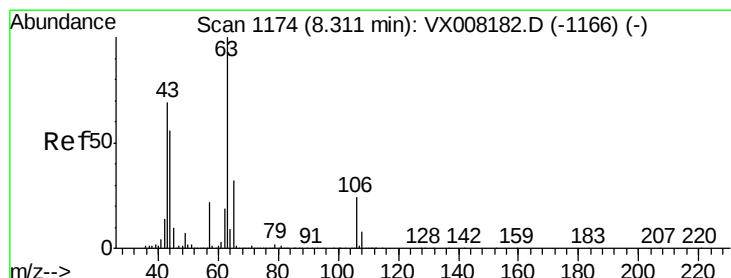
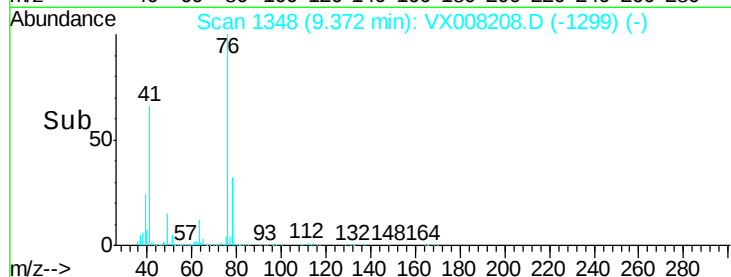
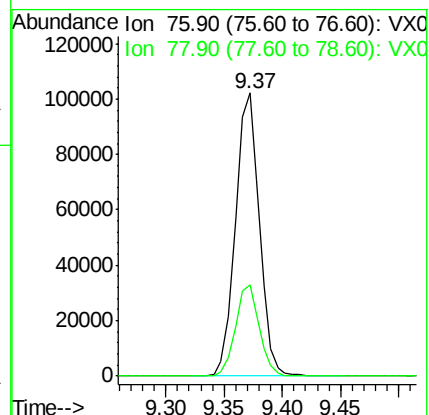
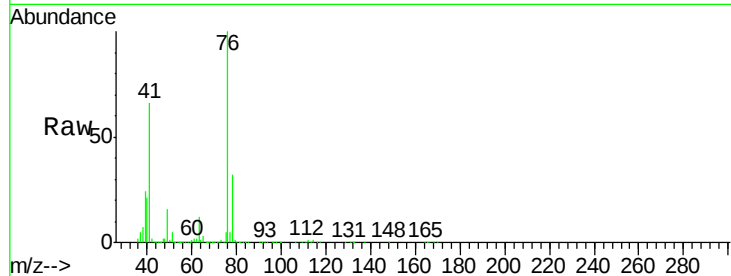
ClientSampleId :

Tot Ion: 76 Resp: 146591

Ion Ratio Lower Upper

76 100

78 32.3 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 97.642 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX008208.D

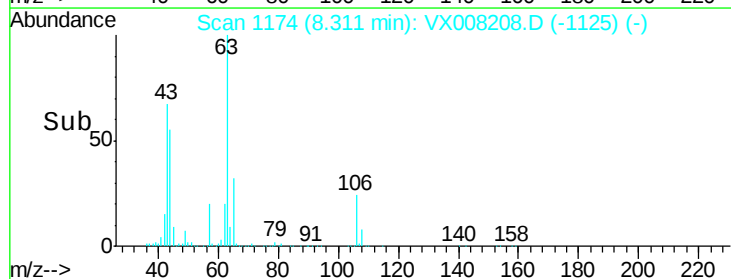
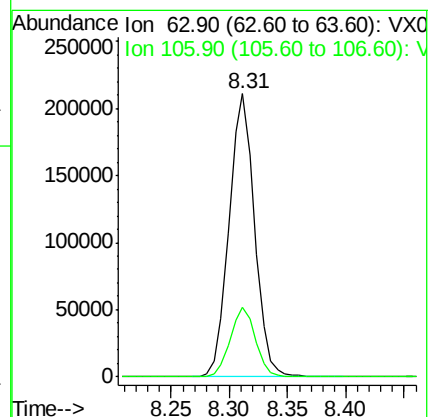
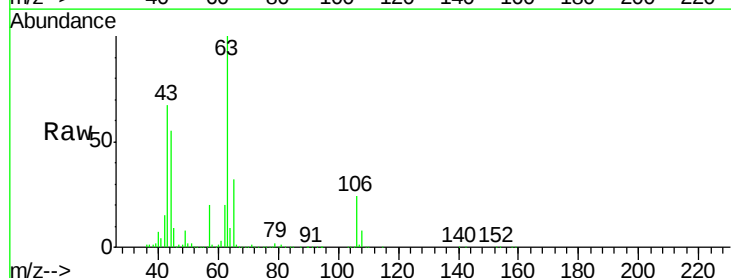
Acq: 19 Mar 2019 23:28

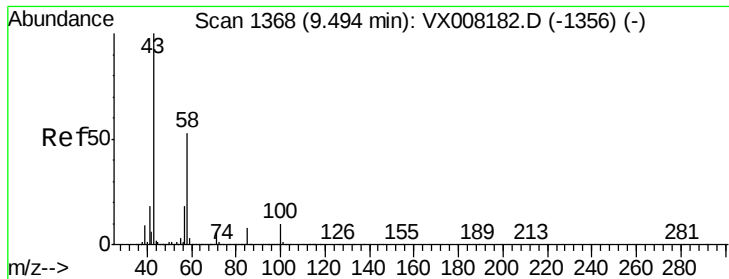
Tgt Ion: 63 Resp: 319819

Ion Ratio Lower Upper

63 100

106 24.5 22.2 33.2

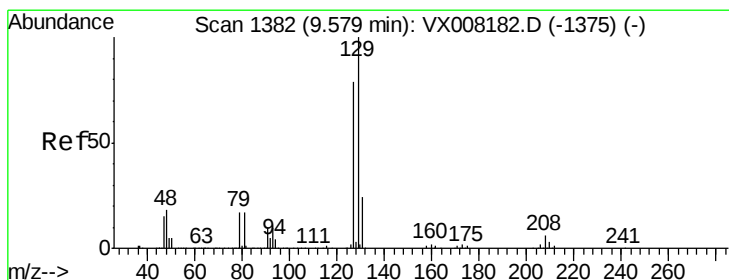
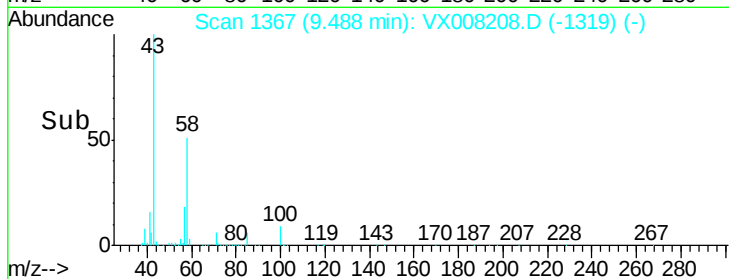
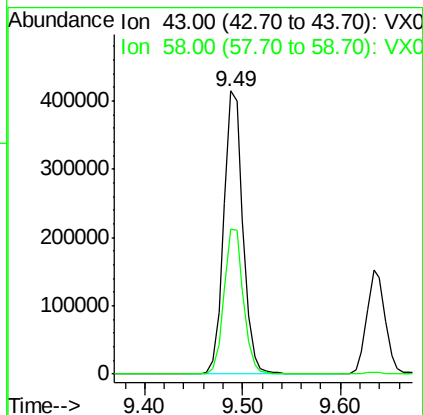
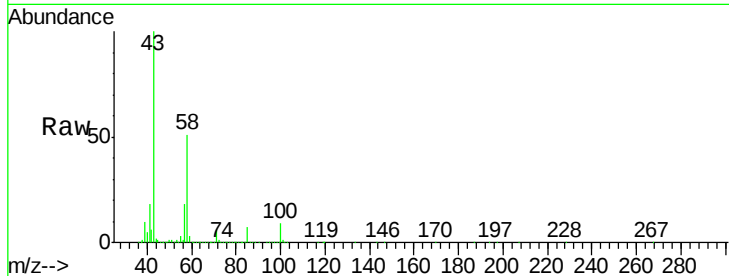




#59
2-Hexanone
Concen: 105.685 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VX008208.D
Acq: 19 Mar 2019 23:28

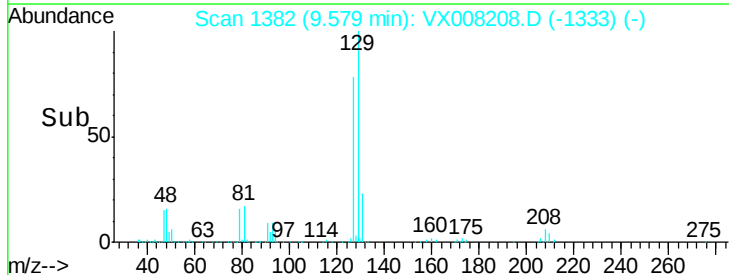
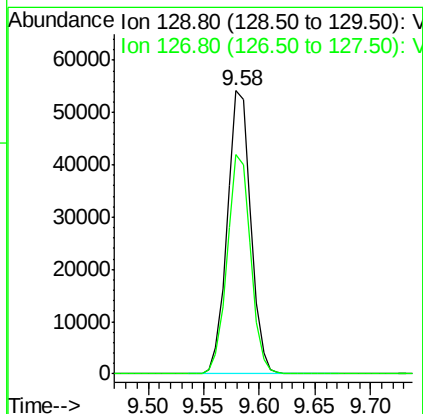
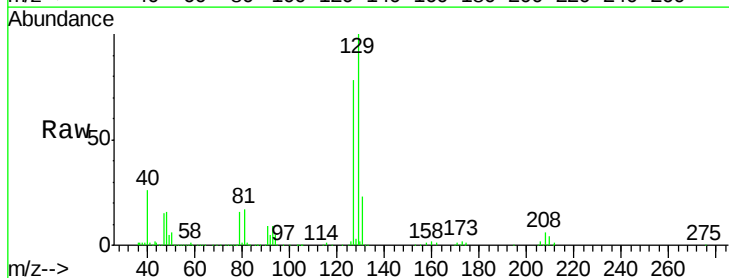
Instrument :
MSVOA_X
ClientSampleId :

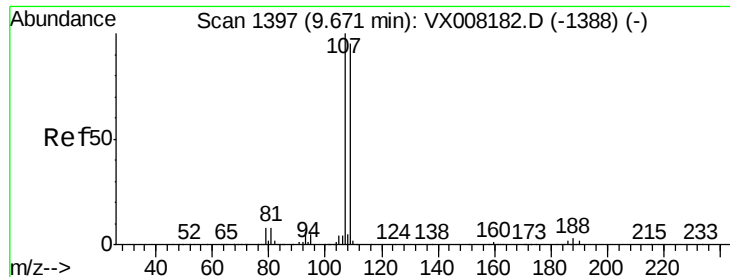
Tot Ion: 43 Resp: 561616
Ion Ratio Lower Upper
43 100
58 51.8 27.6 82.7



#60
Dibromochloromethane
Concen: 20.651 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX008208.D
Acq: 19 Mar 2019 23:28

Tgt Ion:129 Resp: 79339
Ion Ratio Lower Upper
129 100
127 77.0 38.3 114.8





#61

1,2-Dibromoethane

Concen: 20.679 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008208.D

Acq: 19 Mar 2019 23:28

Instrument :

MSVOA_X

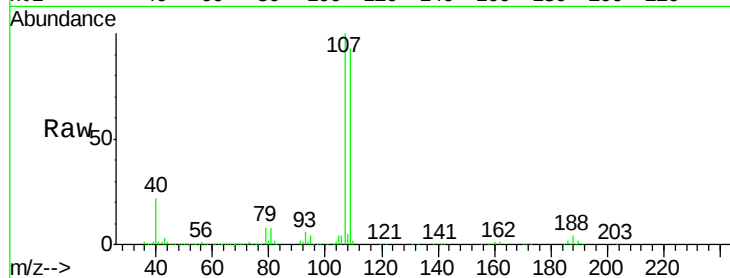
ClientSampleId :

Tot Ion:107 Resp: 86317

Ion Ratio Lower Upper

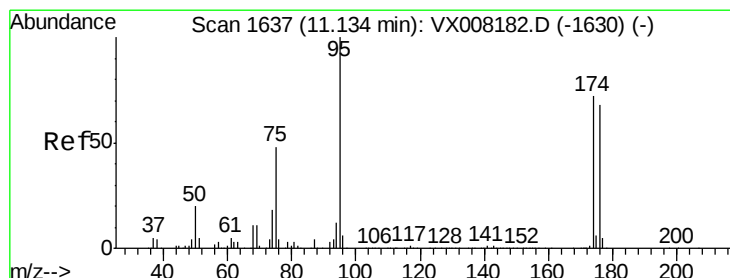
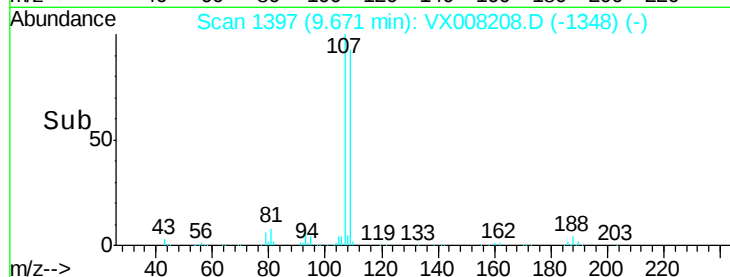
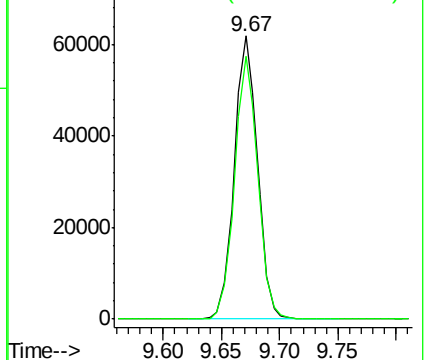
107 100

109 93.0 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.737 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008208.D

Acq: 19 Mar 2019 23:28

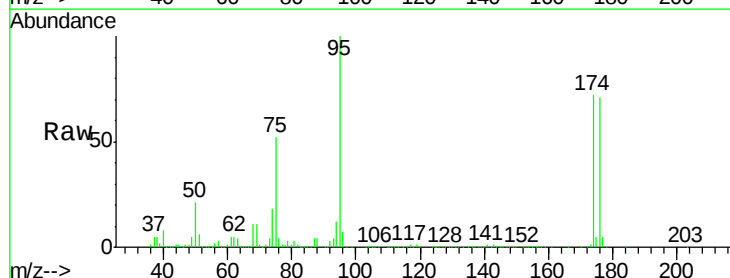
Tgt Ion: 95 Resp: 218824

Ion Ratio Lower Upper

95 100

174 77.6 0.0 182.8

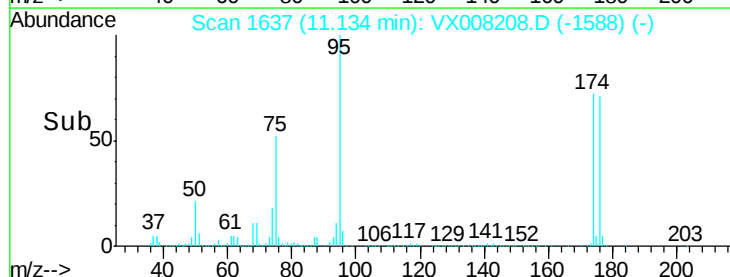
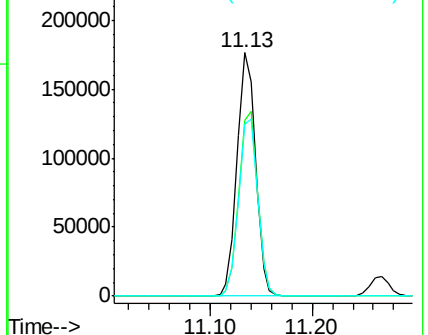
176 75.4 0.0 178.0

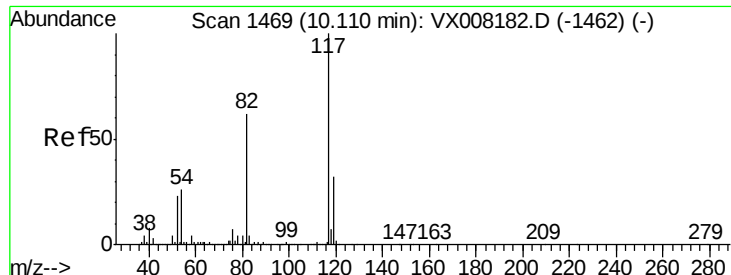


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

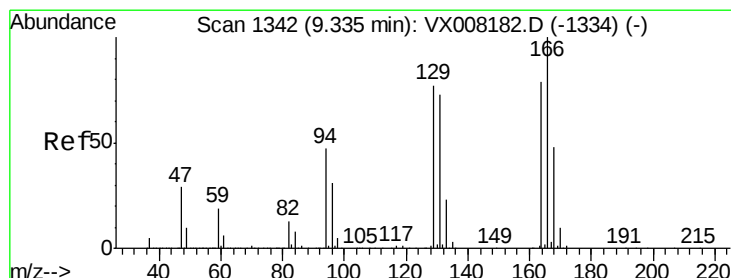
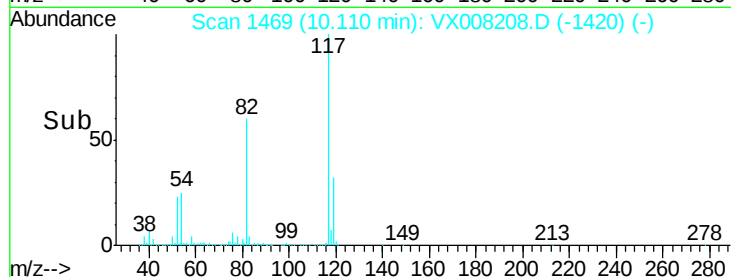
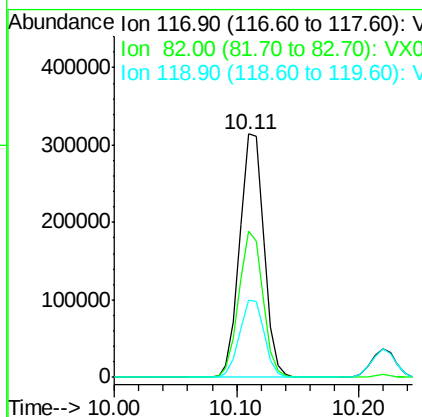
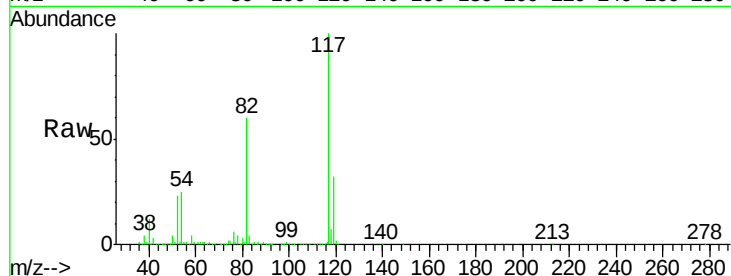




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008208.D
Acq: 19 Mar 2019 23:28

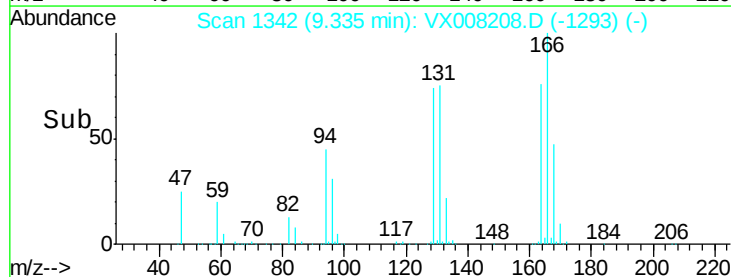
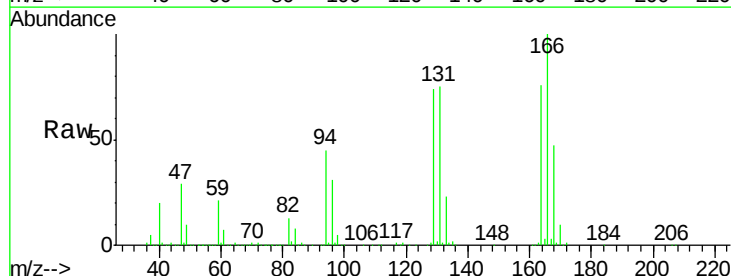
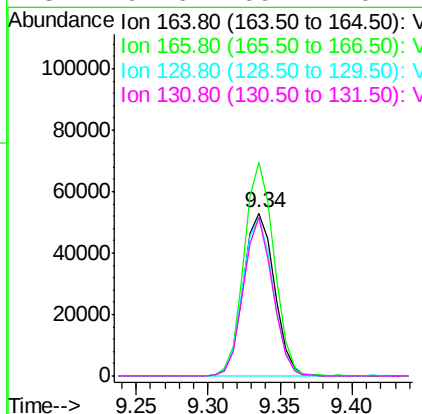
Instrument :
MSVOA_X
ClientSampleId :

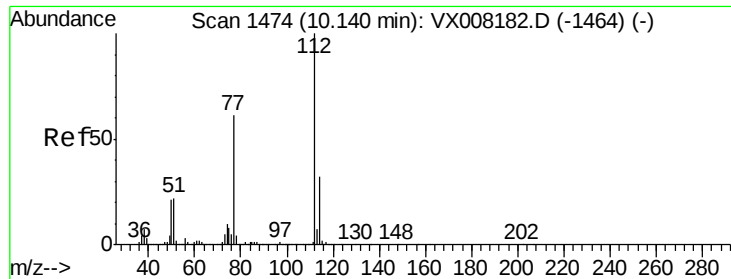
Tot Ion:117 Resp: 430293
Ion Ratio Lower Upper
117 100
82 60.2 44.3 66.5
119 31.9 25.3 37.9



#64
Tetrachloroethene
Concen: 20.313 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008208.D
Acq: 19 Mar 2019 23:28

Tgt Ion:164 Resp: 78857
Ion Ratio Lower Upper
164 100
166 130.9 103.4 155.0
129 97.2 72.2 108.4
131 97.6 69.4 104.2





#65

Chlorobenzene

Concen: 19.967 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX008208.D

Acq: 19 Mar 2019 23:28

Instrument :

MSVOA_X

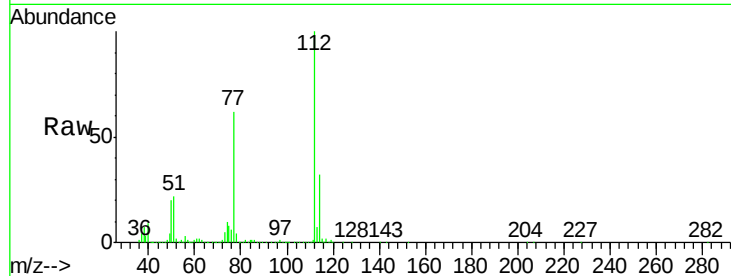
ClientSampleId :

Tot Ion:112 Resp: 211403

Ion Ratio Lower Upper

112 100

114 31.6 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

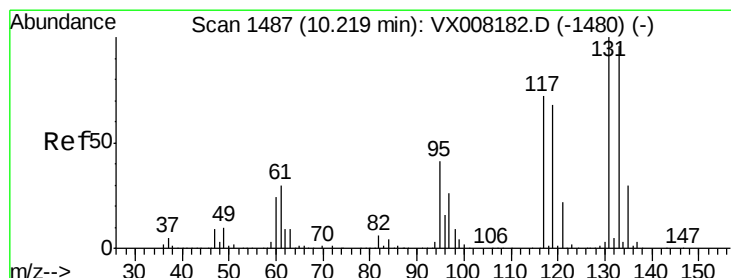
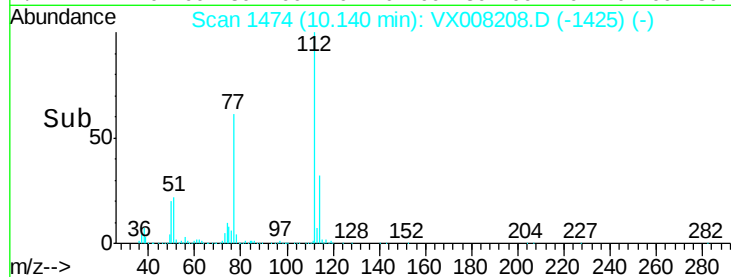
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.491 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX008208.D

Acq: 19 Mar 2019 23:28

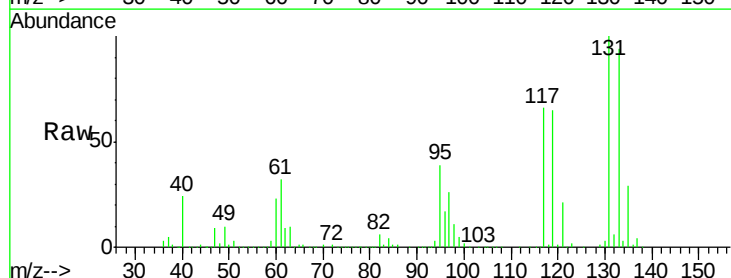
Tgt Ion:131 Resp: 75645

Ion Ratio Lower Upper

131 100

133 94.1 47.8 143.3

119 66.1 32.5 97.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

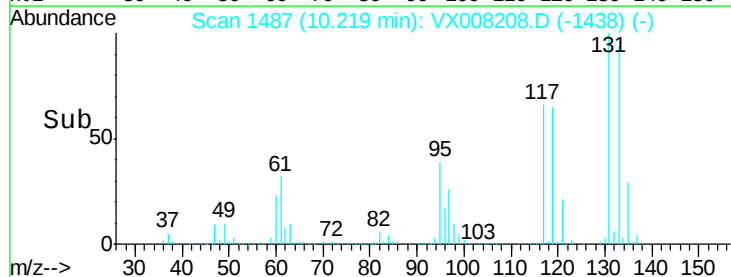
10.22

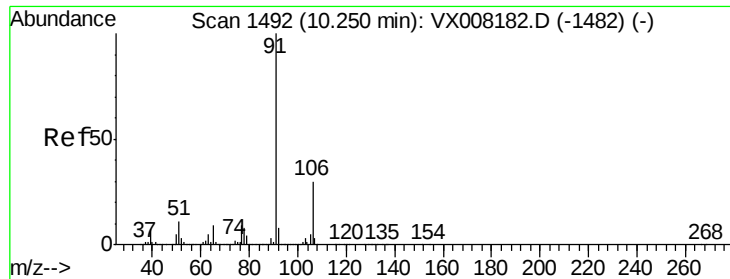
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 20.200 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008208.D

Acq: 19 Mar 2019 23:28

Instrument :

MSVOA_X

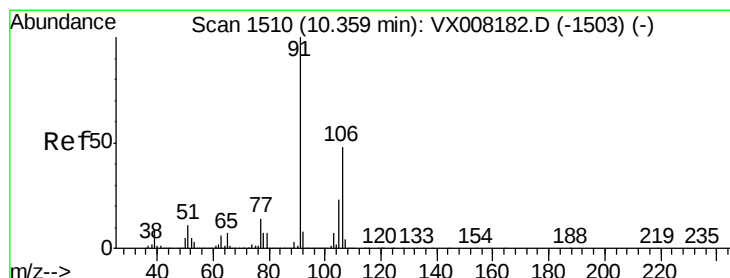
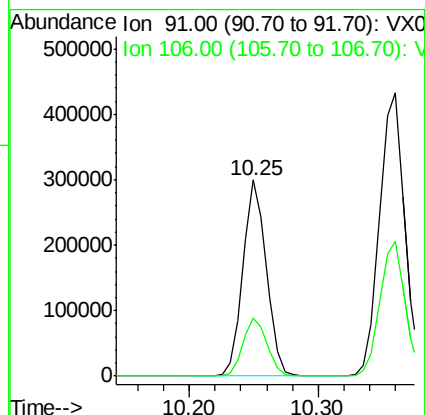
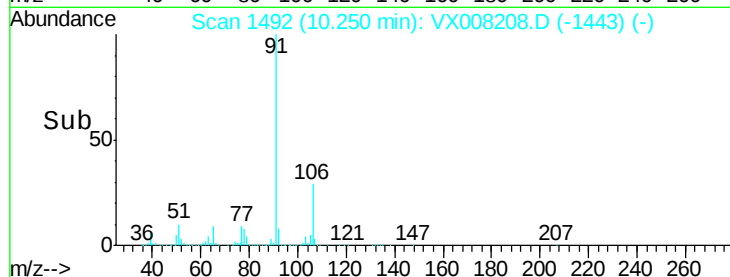
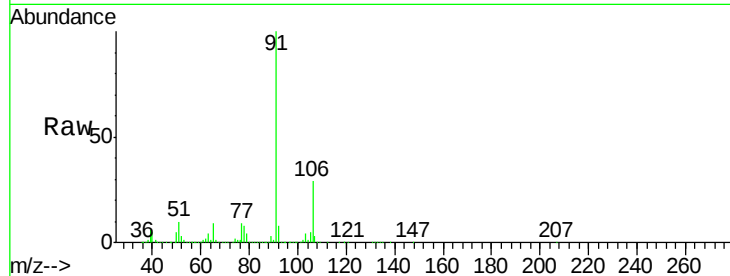
ClientSampleId :

Tot Ion: 91 Resp: 376893

Ion Ratio Lower Upper

91 100

106 29.5 25.2 37.8



#68

m/p-Xylenes

Concen: 40.189 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008208.D

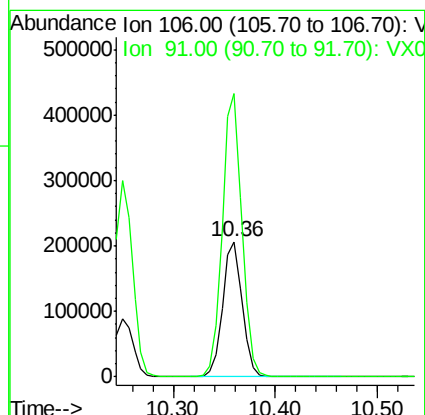
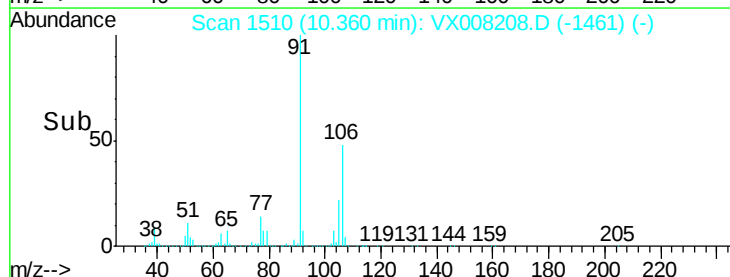
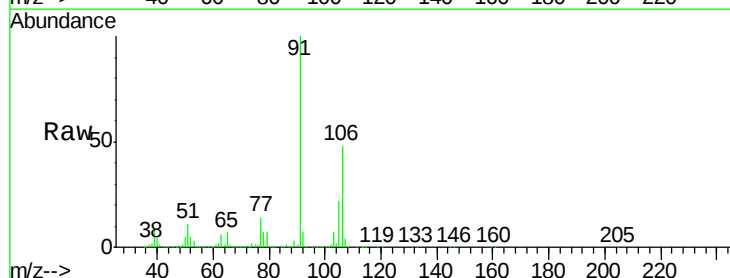
Acq: 19 Mar 2019 23:28

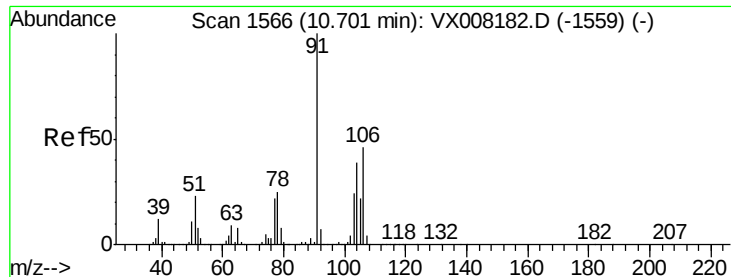
Tgt Ion: 106 Resp: 275446

Ion Ratio Lower Upper

106 100

91 210.1 159.8 239.6

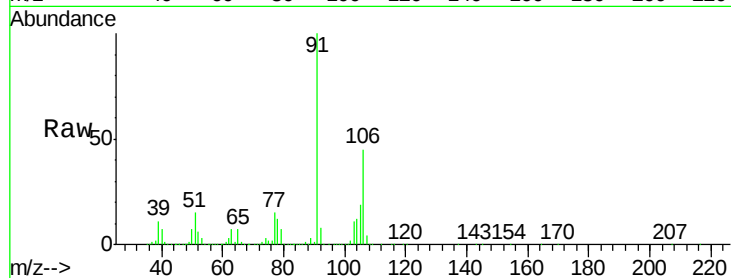




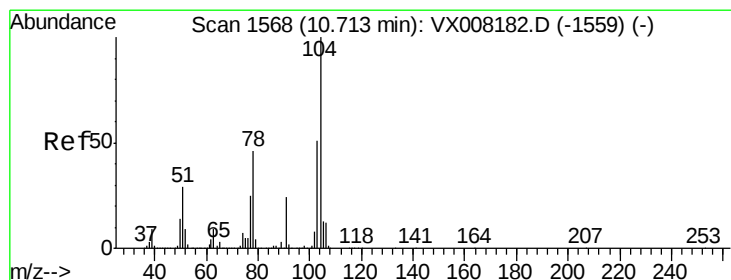
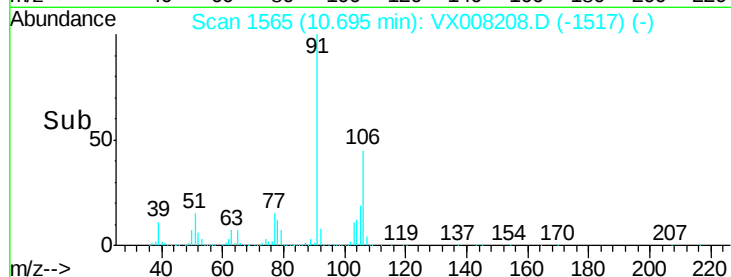
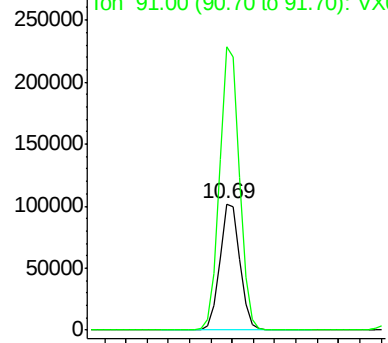
#69
o-Xylene
Concen: 20.346 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008208.D
Acq: 19 Mar 2019 23:28

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:106 Resp: 135499
Ion Ratio Lower Upper
106 100
91 221.5 106.3 318.9

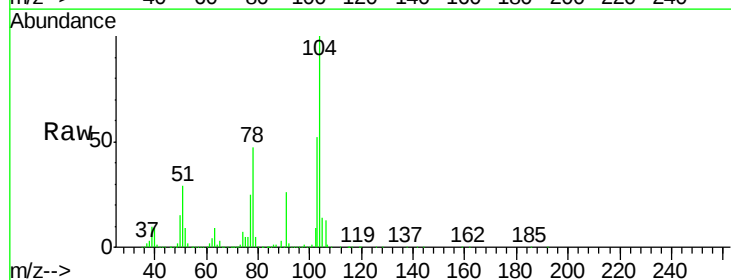


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

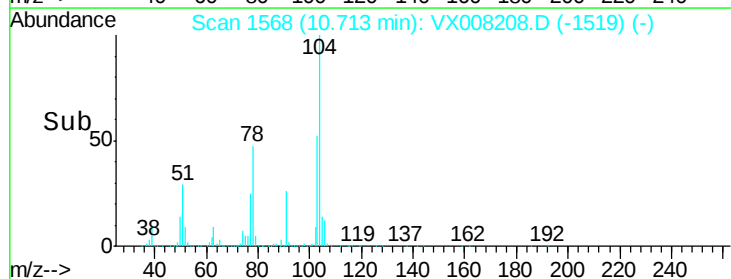
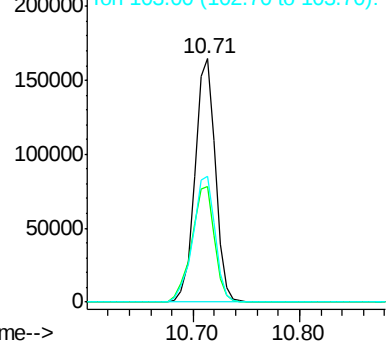


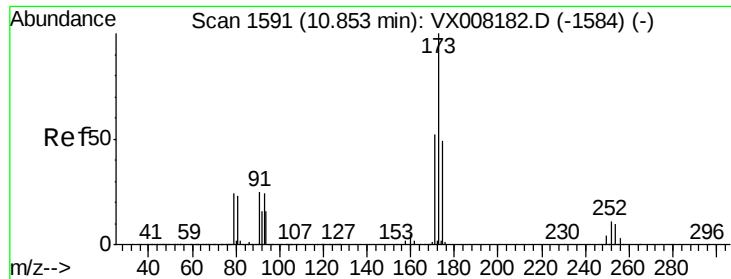
#70
Styrene
Concen: 20.374 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008208.D
Acq: 19 Mar 2019 23:28

Tgt Ion:104 Resp: 220516
Ion Ratio Lower Upper
104 100
78 53.3 38.5 57.7
103 56.2 44.1 66.1



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

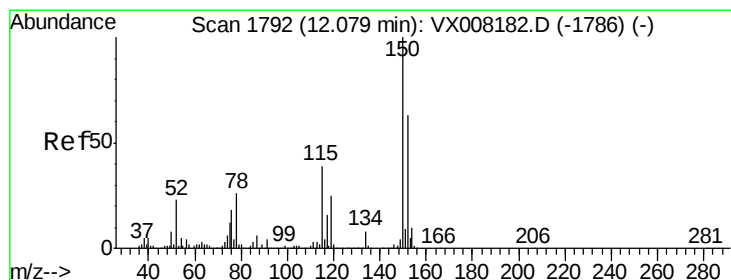
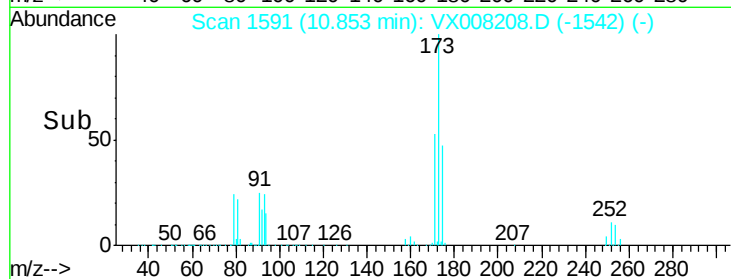
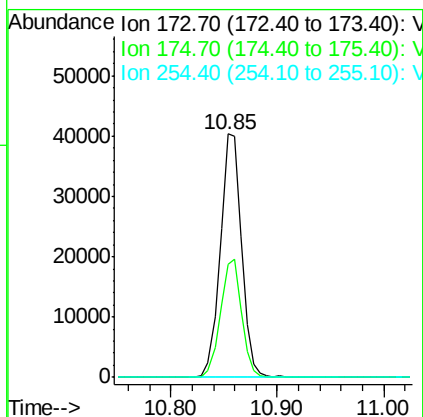
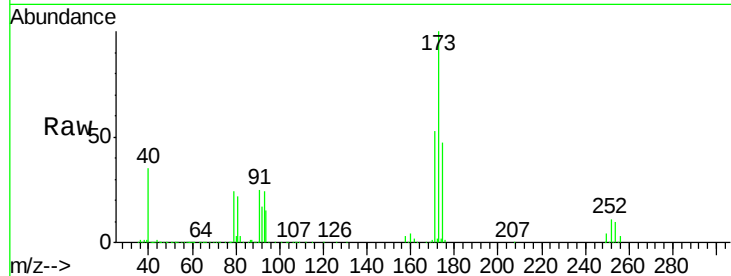




#71
Bromoform
Concen: 19.134 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX008208.D
Acq: 19 Mar 2019 23:28

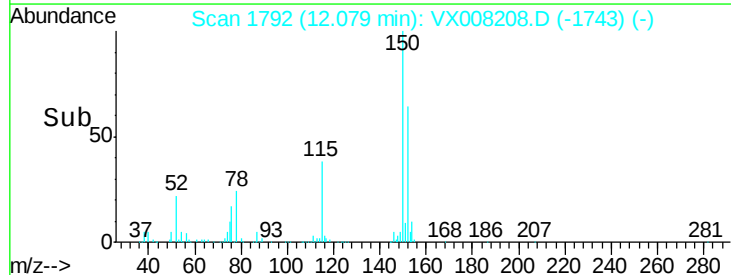
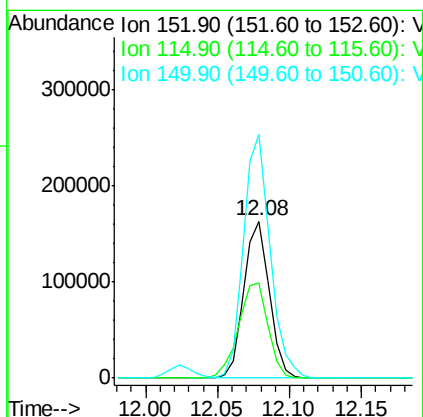
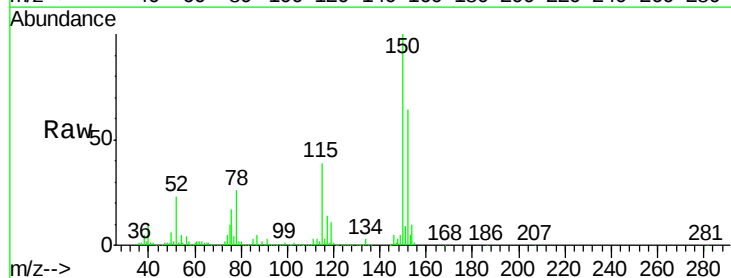
Instrument :
MSVOA_X
ClientSampleId :

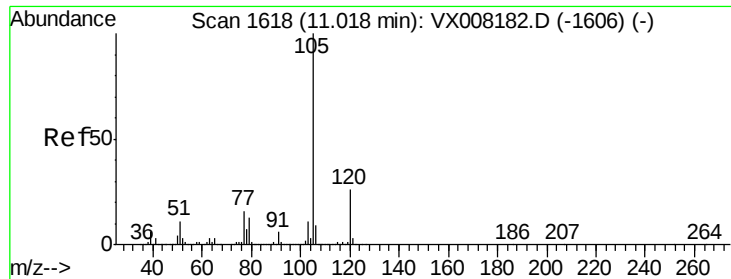
Tot Ion:173 Resp: 56334
Ion Ratio Lower Upper
173 100
175 48.2 24.3 72.9
254 0.1 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008208.D
Acq: 19 Mar 2019 23:28

Tgt Ion:152 Resp: 198032
Ion Ratio Lower Upper
152 100
115 71.5 38.6 115.7
150 163.5 0.0 348.4





#73

Isopropylbenzene

Concen: 20.361 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008208.D

Acq: 19 Mar 2019 23:28

Instrument :

MSVOA_X

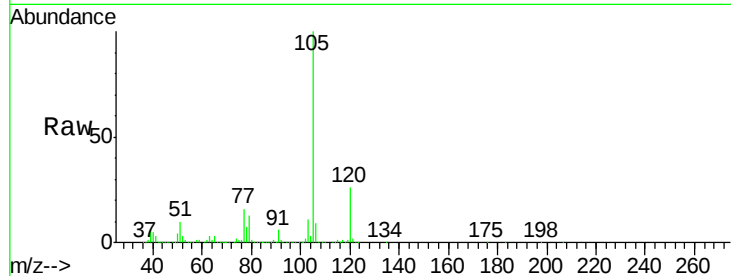
ClientSampleId :

Tot Ion:105 Resp: 359408

Ion Ratio Lower Upper

105 100

120 25.8 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

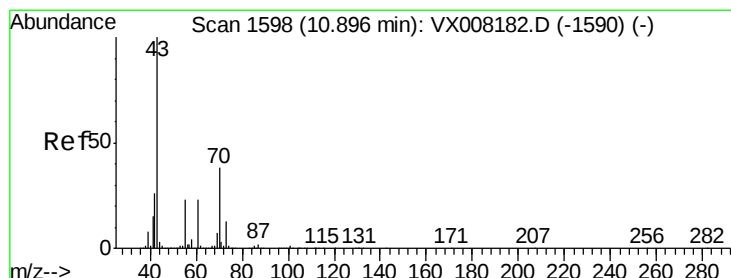
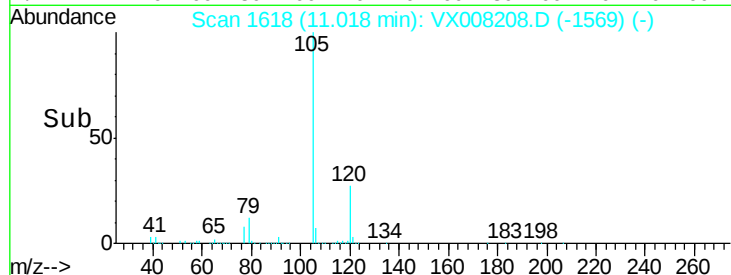
300000

200000

100000

0

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 20.606 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008208.D

Acq: 19 Mar 2019 23:28

Tgt Ion: 43 Resp: 190571

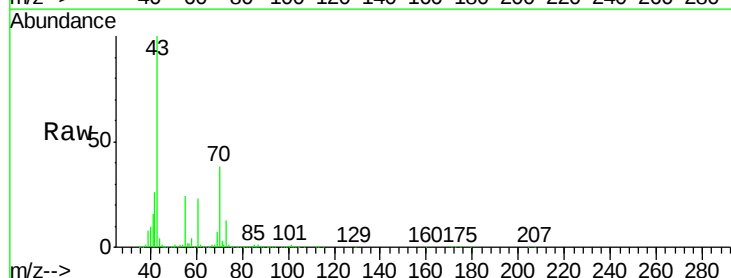
Ion Ratio Lower Upper

43 100

70 37.9 33.5 50.3

55 25.0 19.2 28.8

61 22.8 19.0 28.6



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

250000

200000

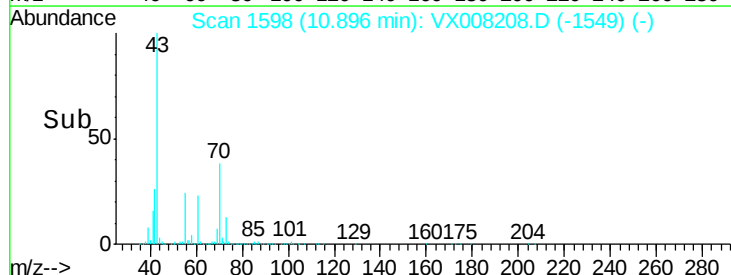
150000

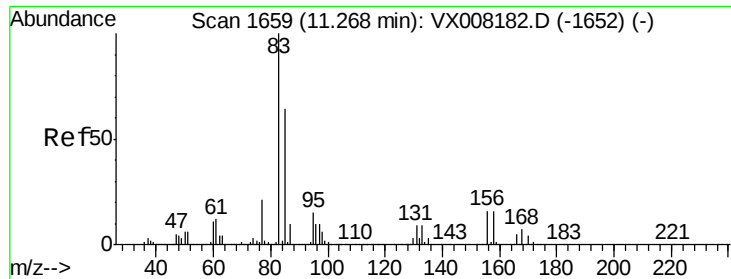
100000

50000

0

Time--> 10.80 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 20.652 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008208.D

Acq: 19 Mar 2019 23:28

Instrument :

MSVOA_X

ClientSampleId :

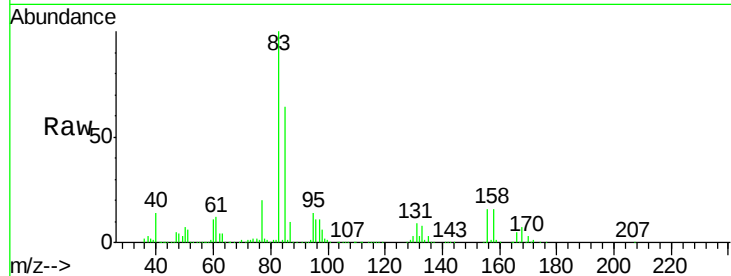
Tot Ion: 83 Resp: 130719

Ion Ratio Lower Upper

83 100

131 9.2 5.4 16.2

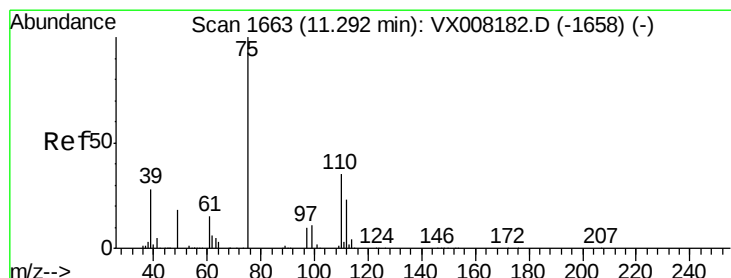
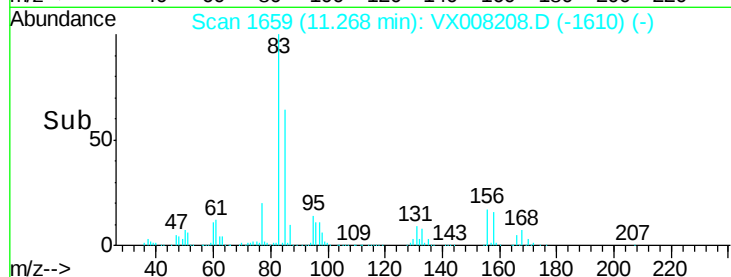
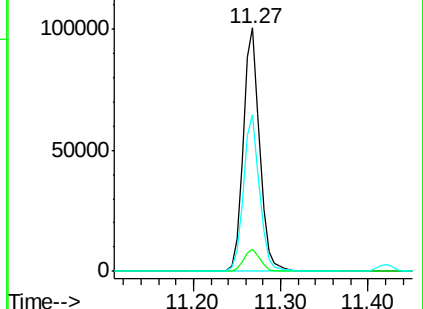
85 63.7 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 27.067 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX008208.D

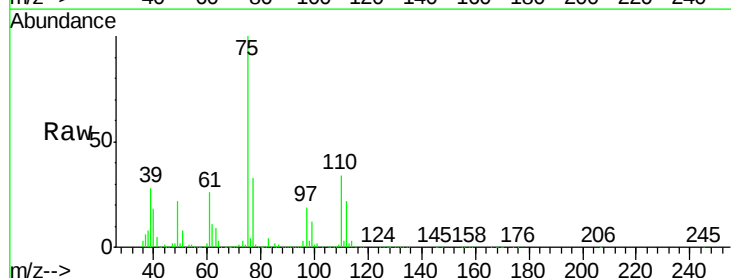
Acq: 19 Mar 2019 23:28

Tgt Ion: 75 Resp: 150757

Ion Ratio Lower Upper

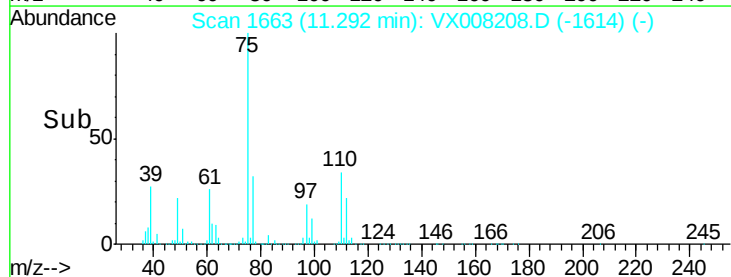
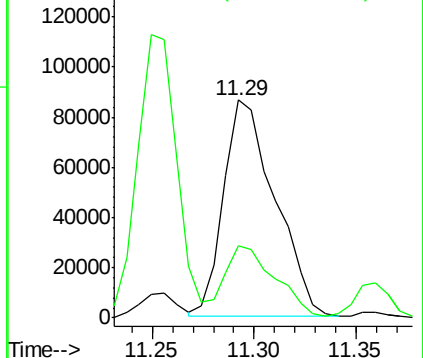
75 100

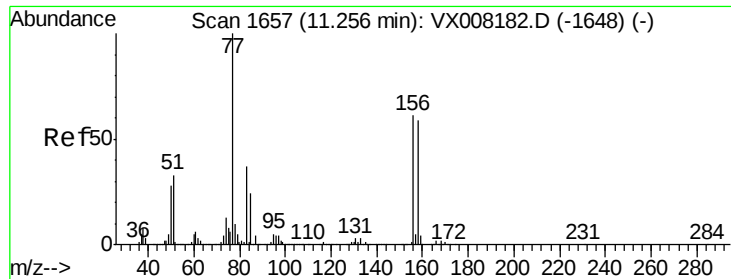
77 33.1 18.9 56.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.192 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008208.D

Acq: 19 Mar 2019 23:28

Instrument :

MSVOA_X

ClientSampleId :

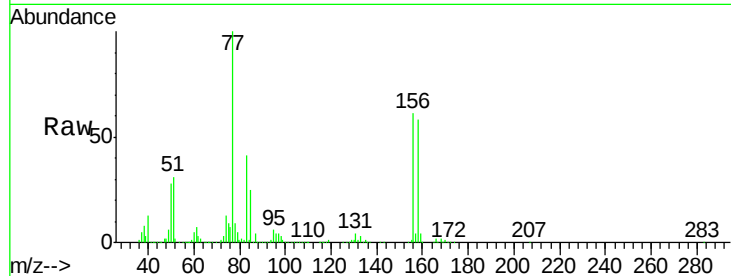
Tot Ion:156 Resp: 86177

Ion Ratio Lower Upper

156 100

77 174.3 72.0 215.9

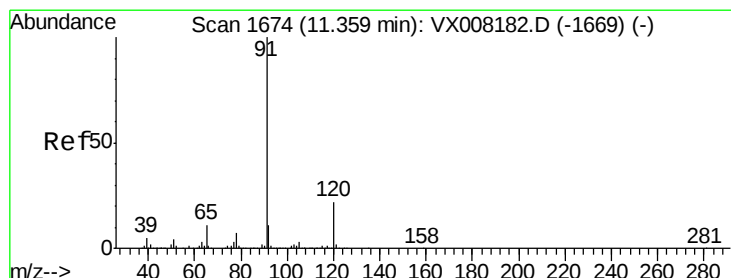
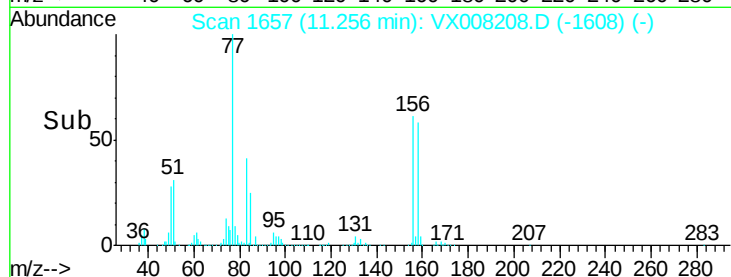
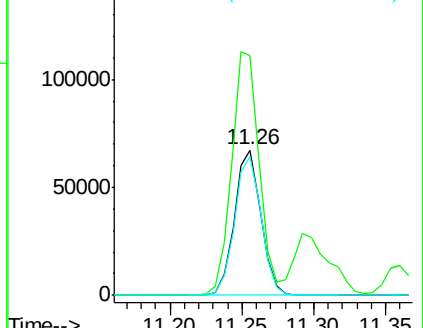
158 96.5 48.6 145.9



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: 20.282 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008208.D

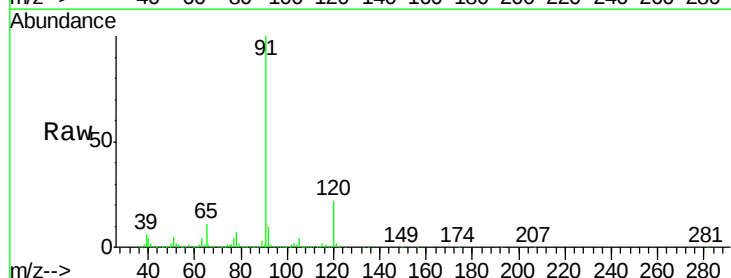
Acq: 19 Mar 2019 23:28

Tgt Ion: 91 Resp: 415821

Ion Ratio Lower Upper

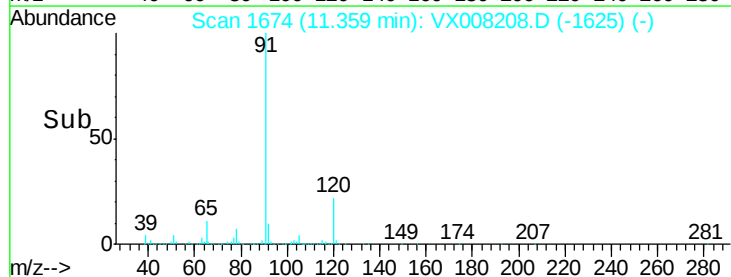
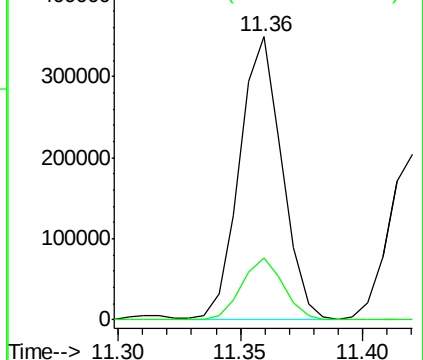
91 100

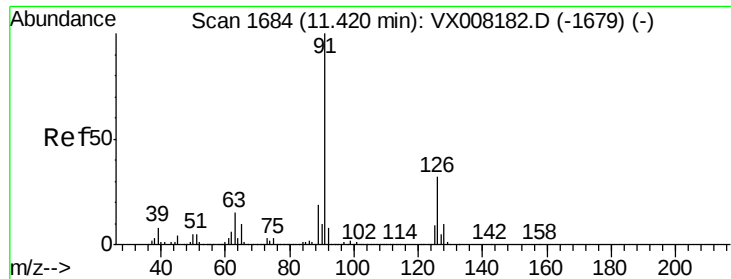
120 21.9 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.367 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008208.D

Acq: 19 Mar 2019 23:28

Instrument :

MSVOA_X

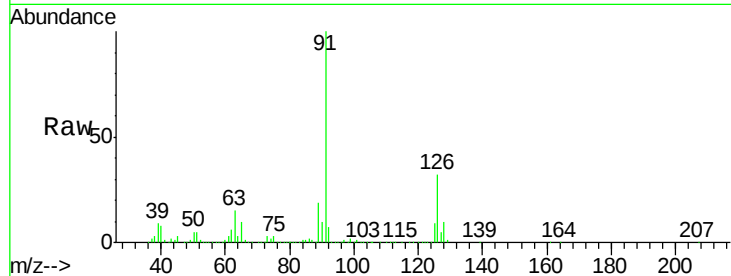
ClientSampled :

Tot Ion: 91 Resp: 250624

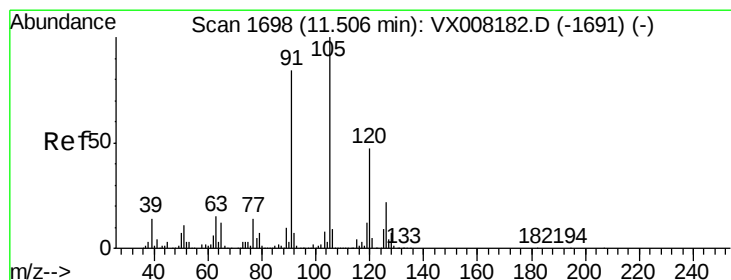
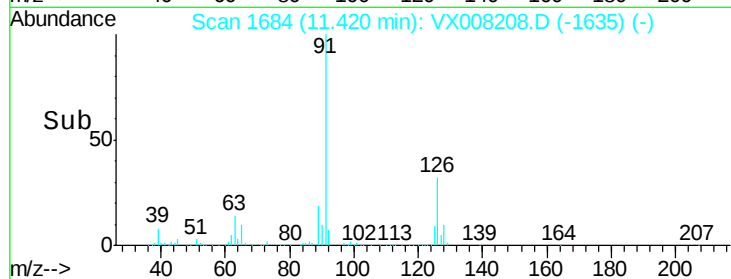
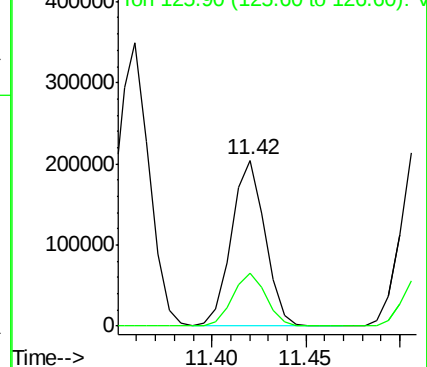
Ion Ratio Lower Upper

91 100

126 32.1 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VX008208.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.348 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008208.D

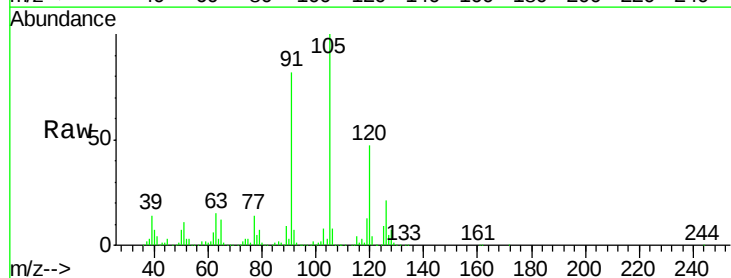
Acq: 19 Mar 2019 23:28

Tgt Ion: 105 Resp: 296741

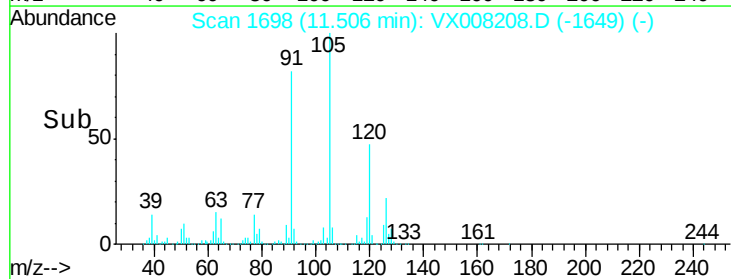
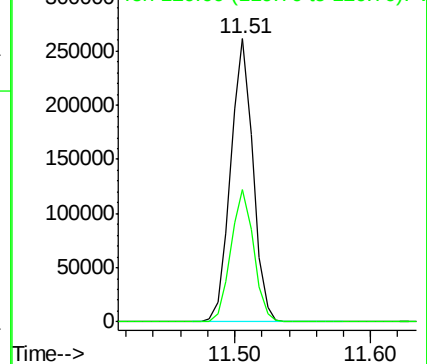
Ion Ratio Lower Upper

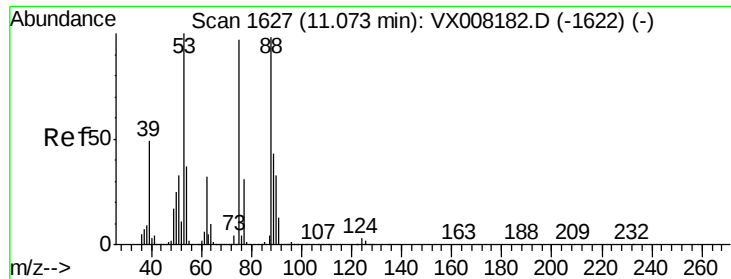
105 100

120 47.8 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VX008208.D (-1691) (-)

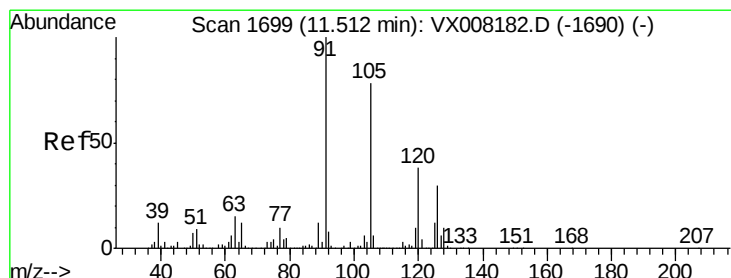
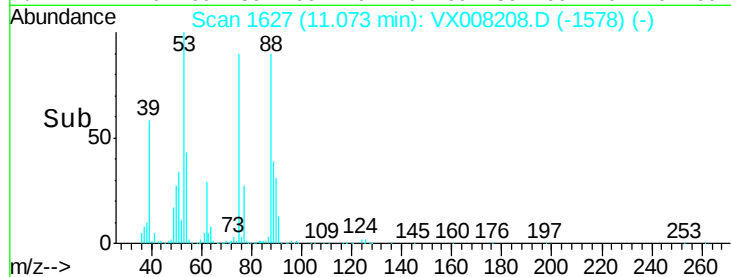
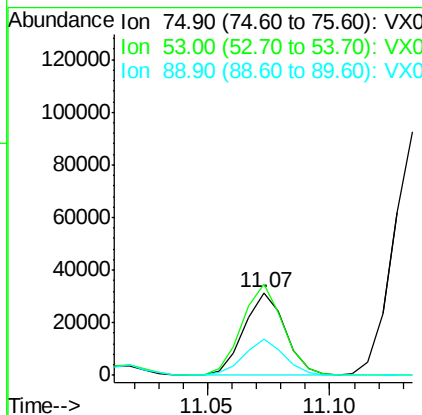
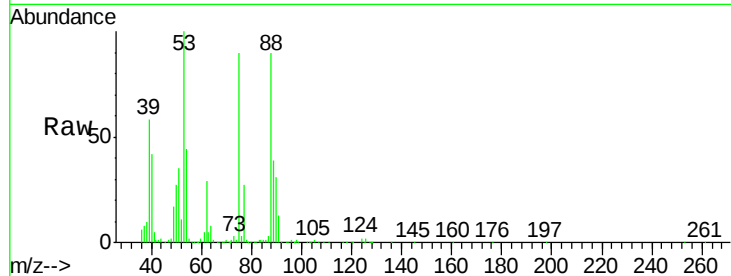




#81
trans-1,4-Dichloro-2-butene
Concen: 17.750 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX008208.D
Acq: 19 Mar 2019 23:28

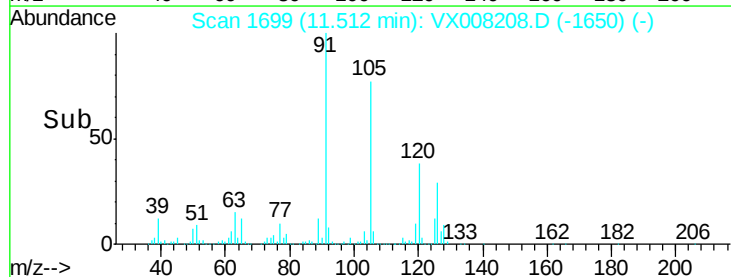
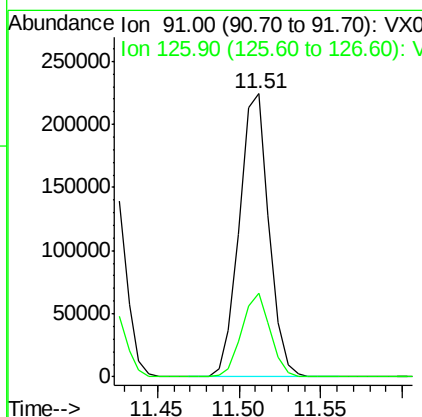
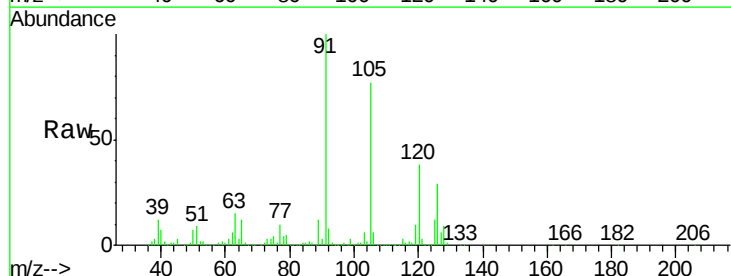
Instrument :
MSVOA_X
ClientSampled :

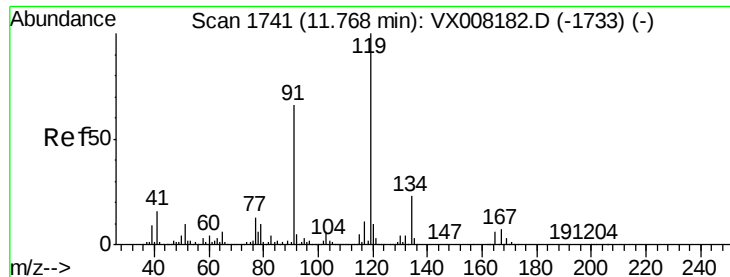
Tot Ion: 75 Resp: 36696
Ion Ratio Lower Upper
75 100
53 111.3 76.1 114.1
89 43.8 36.3 54.5



#82
4-Chlorotoluene
Concen: 19.815 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX008208.D
Acq: 19 Mar 2019 23:28

Tgt Ion: 91 Resp: 283738
Ion Ratio Lower Upper
91 100
126 28.6 15.6 46.8





#83

tert-Butylbenzene

Concen: 19.938 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX008208.D

Acq: 19 Mar 2019 23:28

Instrument :

MSVOA_X

ClientSampleId :

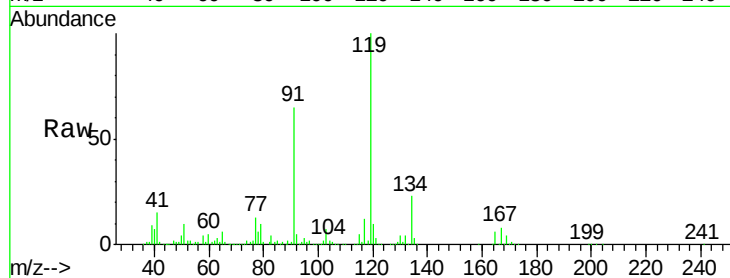
Tot Ion:119 Resp: 277590

Ion Ratio Lower Upper

119 100

91 62.4 27.1 81.3

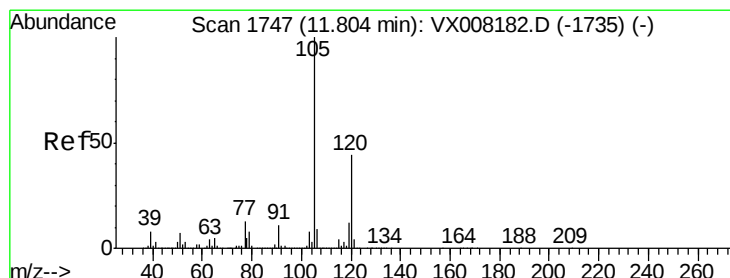
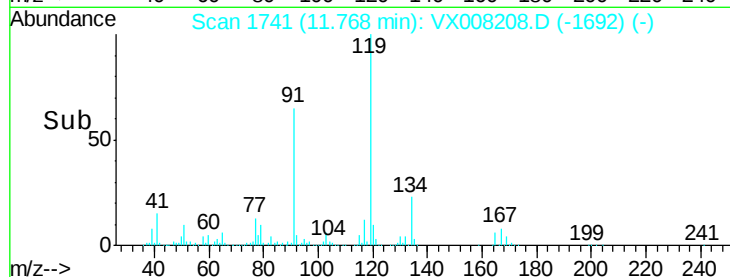
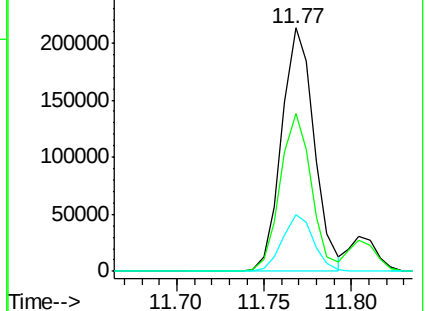
134 22.5 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.577 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX008208.D

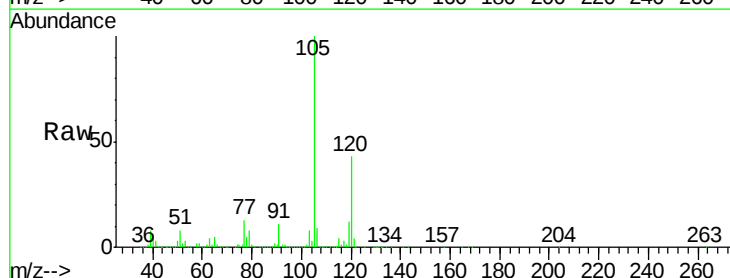
Acq: 19 Mar 2019 23:28

Tgt Ion:105 Resp: 304209

Ion Ratio Lower Upper

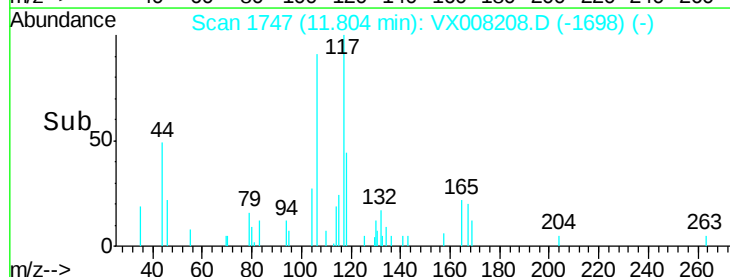
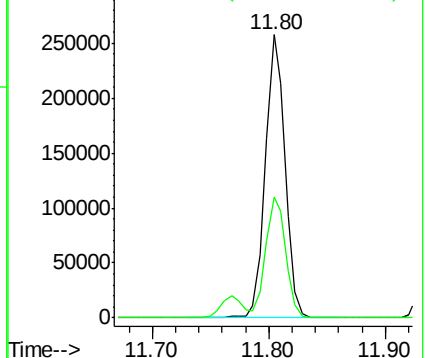
105 100

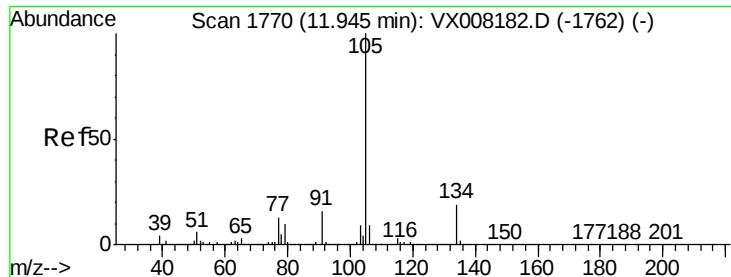
120 43.2 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

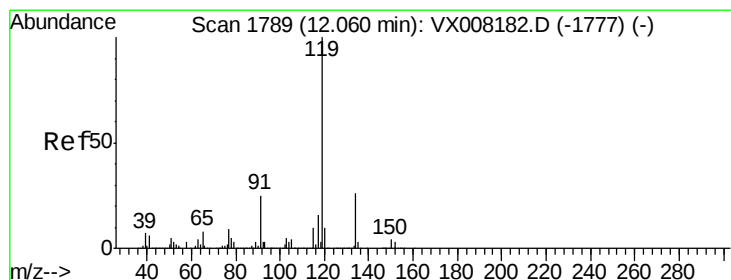
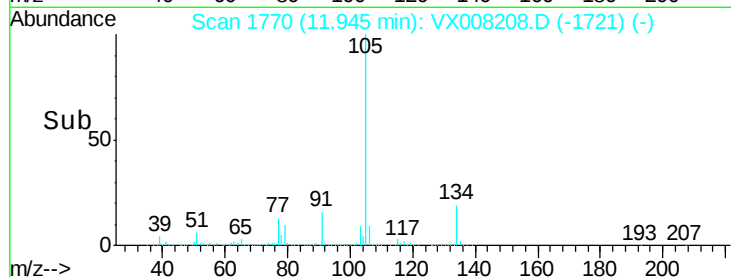
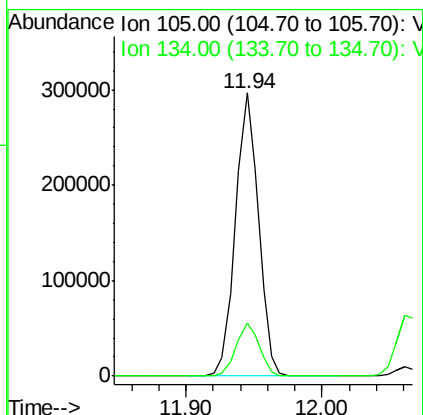
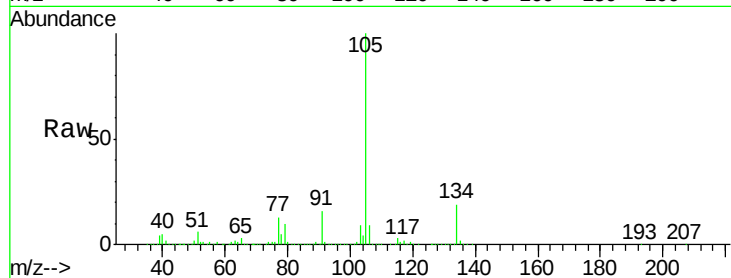




#85
 sec-Butylbenzene
 Concen: 20.192 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX008208.D
 Acq: 19 Mar 2019 23:28

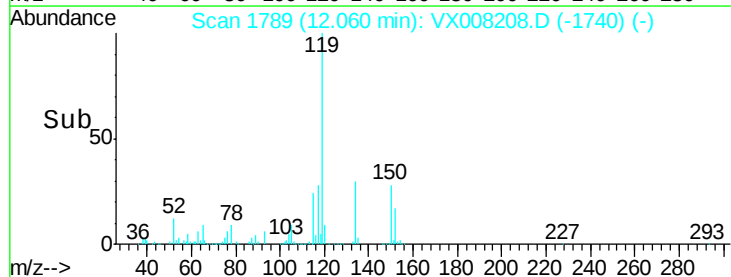
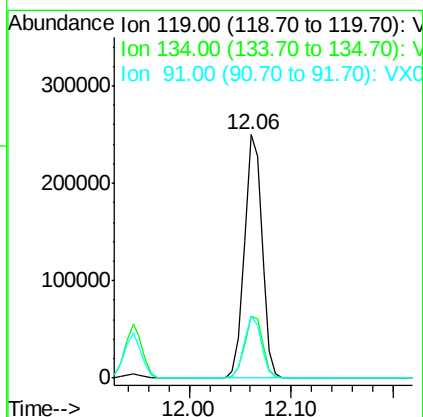
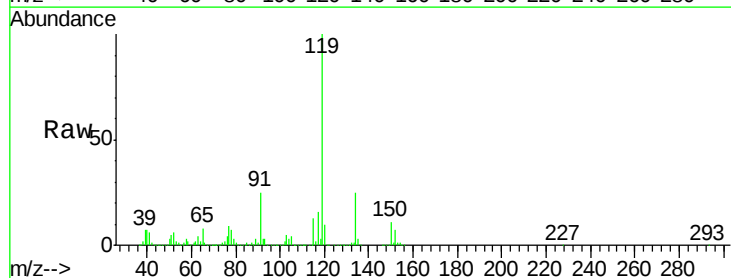
Instrument :
 MSVOA_X
 ClientSampleId :

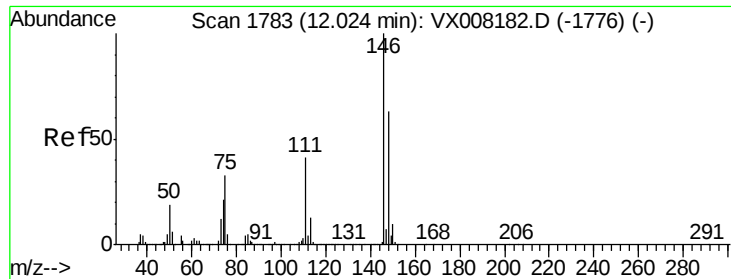
Tot Ion:105 Resp: 348149
 Ion Ratio Lower Upper
 105 100
 134 19.1 10.4 31.2



#86
 p-Isopropyltoluene
 Concen: 19.999 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX008208.D
 Acq: 19 Mar 2019 23:28

Tgt Ion:119 Resp: 298480
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.3 39.9
 91 25.1 10.9 32.7

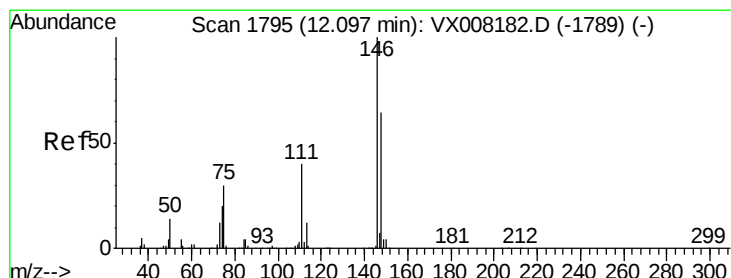
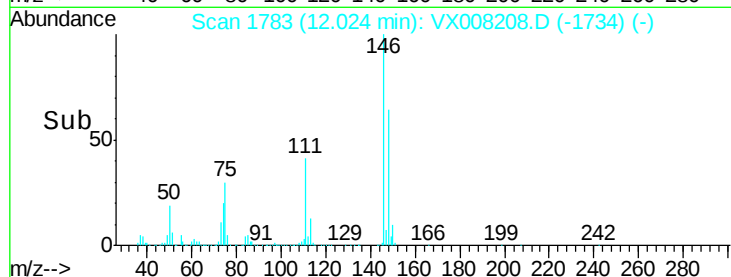
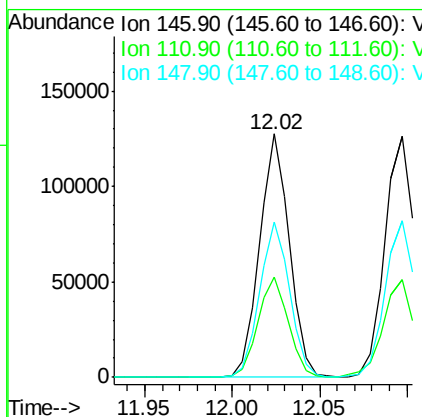
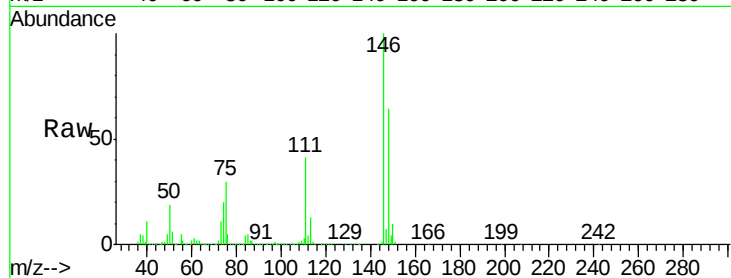




#87
 1,3-Dichlorobenzene
 Concen: 19.814 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008208.D
 Acq: 19 Mar 2019 23:28

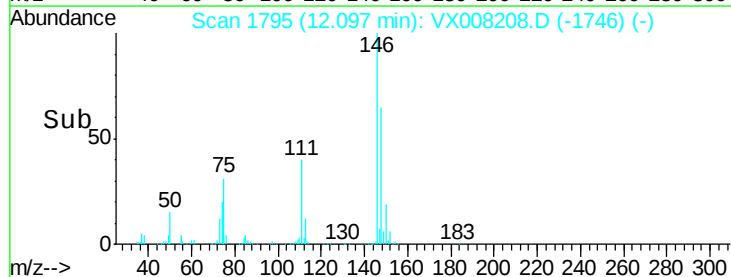
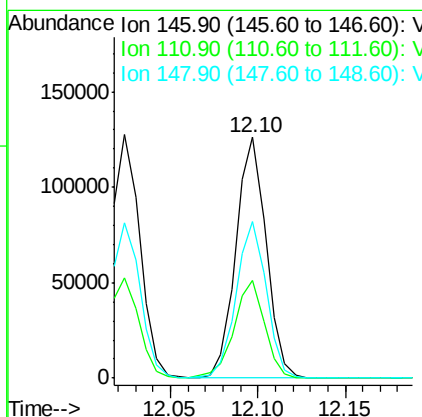
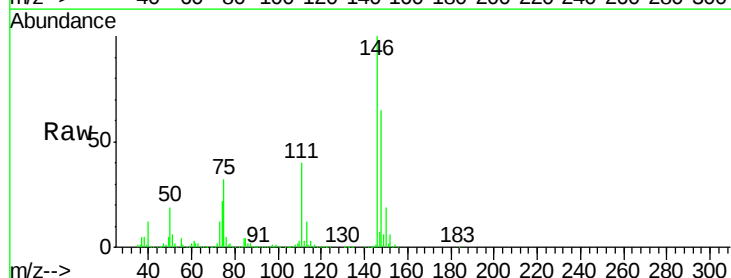
Instrument :
 MSVOA_X
 ClientSampleId :

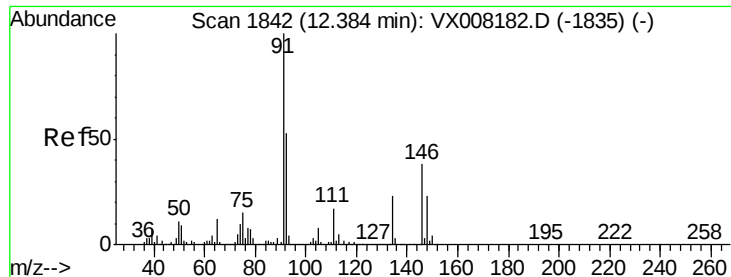
Tot Ion:146 Resp: 151128
 Ion Ratio Lower Upper
 146 100
 111 41.8 18.9 56.7
 148 64.3 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 19.212 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008208.D
 Acq: 19 Mar 2019 23:28

Tgt Ion:146 Resp: 151573
 Ion Ratio Lower Upper
 146 100
 111 41.1 18.4 55.0
 148 65.1 32.2 96.6





#89

n-Butylbenzene

Concen: 18.939 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX008208.D

Acq: 19 Mar 2019 23:28

Instrument :

MSVOA_X

ClientSampleId :

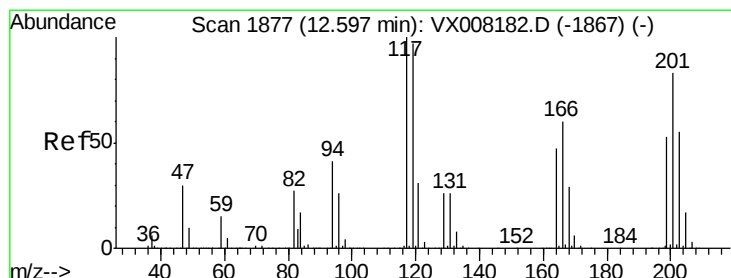
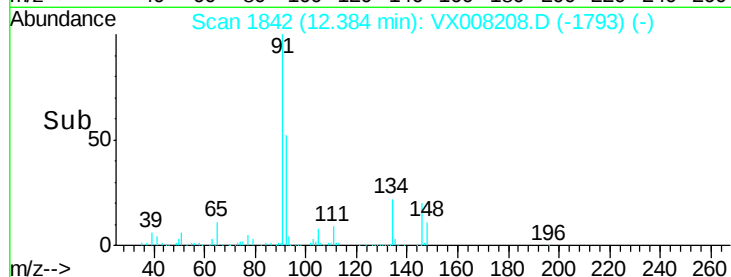
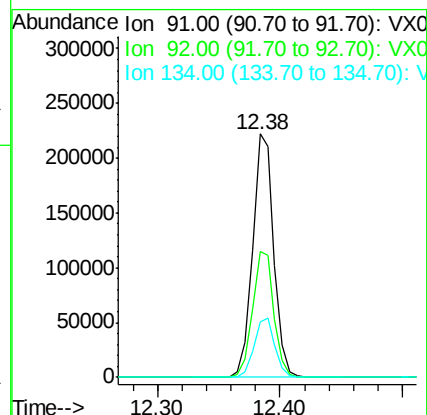
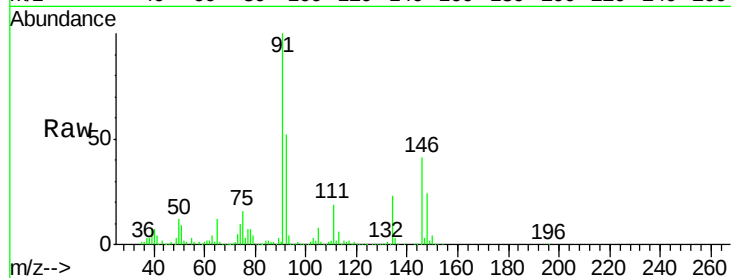
Tot Ion: 91 Resp: 265288

Ion Ratio Lower Upper

91 100

92 52.5 27.0 80.8

134 24.4 13.7 41.0



#90

Hexachloroethane

Concen: 20.001 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX008208.D

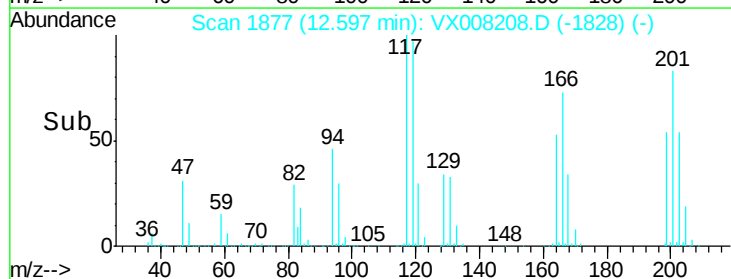
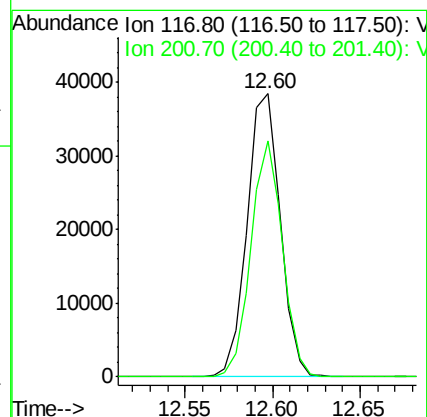
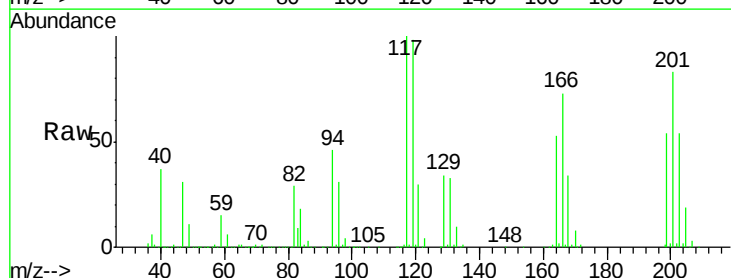
Acq: 19 Mar 2019 23:28

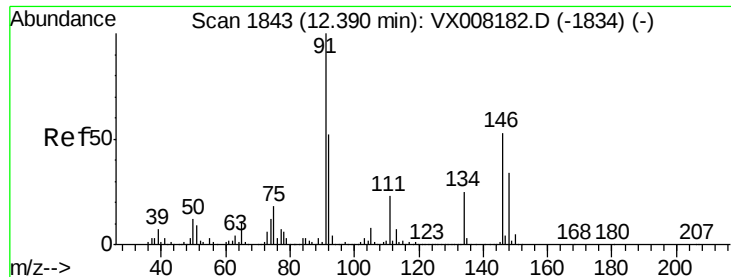
Tgt Ion: 117 Resp: 50839

Ion Ratio Lower Upper

117 100

201 78.9 48.9 146.7

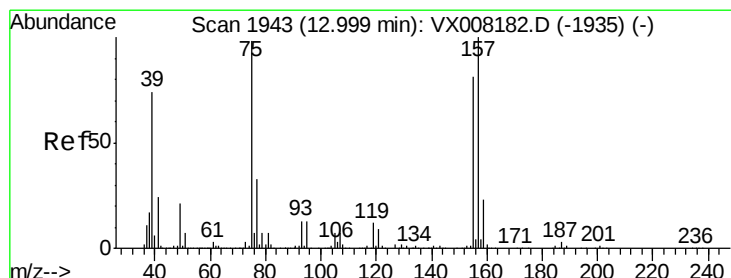
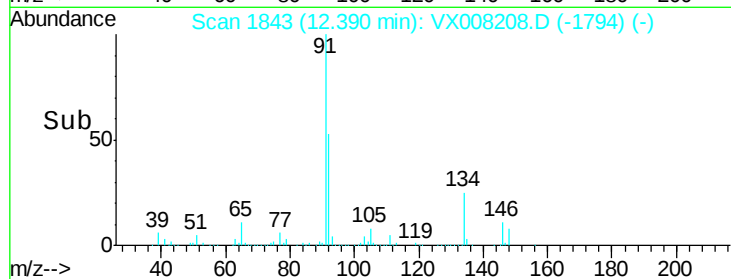
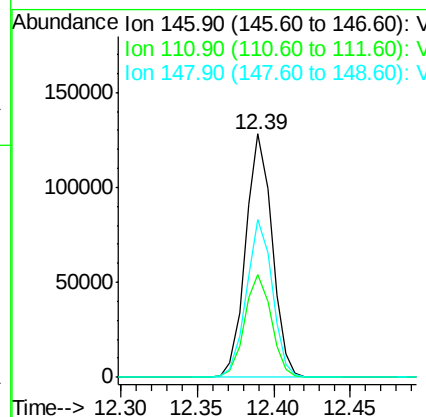
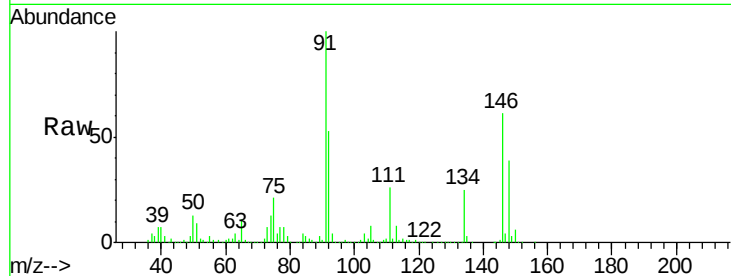




#91
 1,2-Dichlorobenzene
 Concen: 19.994 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008208.D
 Acq: 19 Mar 2019 23:28

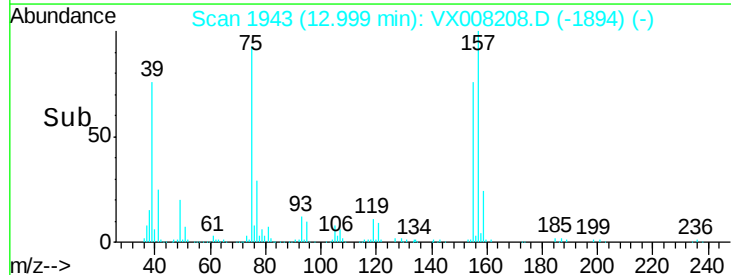
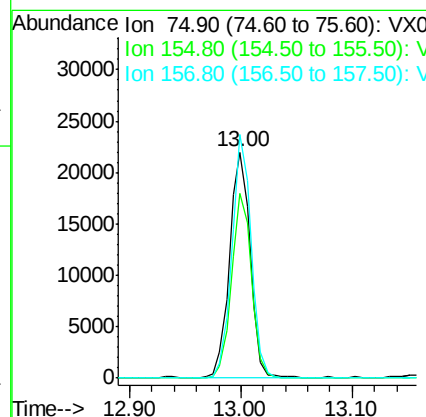
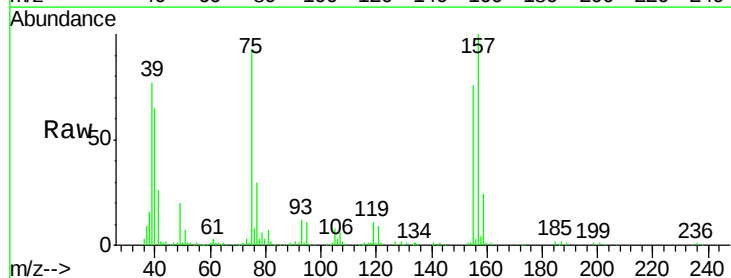
Instrument :
 MSVOA_X
 ClientSampleId :

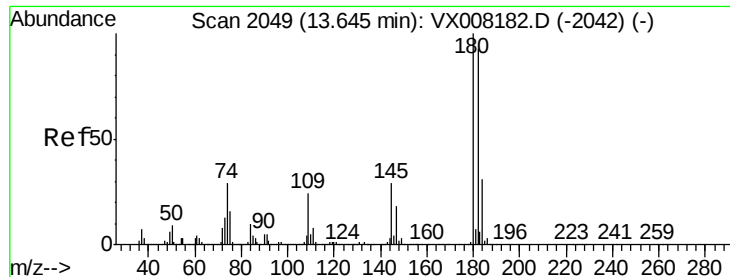
Tot Ion:146 Resp: 153764
 Ion Ratio Lower Upper
 146 100
 111 42.7 19.6 58.8
 148 63.7 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.137 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX008208.D
 Acq: 19 Mar 2019 23:28

Tgt Ion: 75 Resp: 28310
 Ion Ratio Lower Upper
 75 100
 155 77.9 49.7 149.1
 157 99.7 63.8 191.4

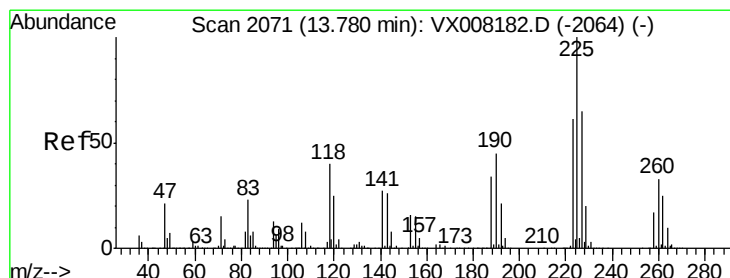
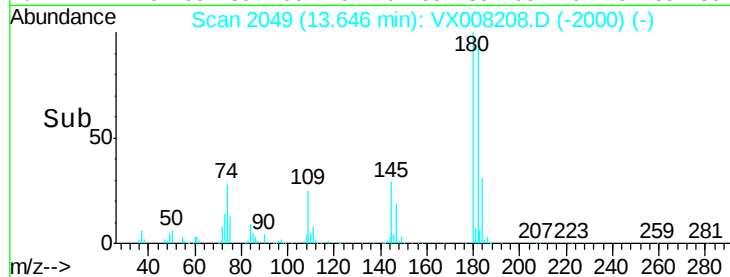
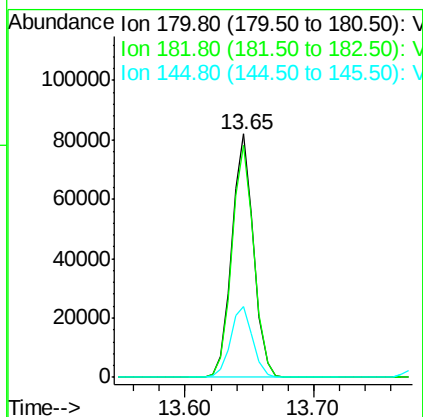
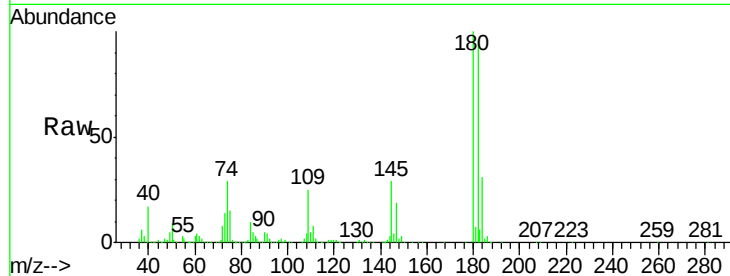




#93
 1,2,4-Trichlorobenzene
 Concen: 19.067 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008208.D
 Acq: 19 Mar 2019 23:28

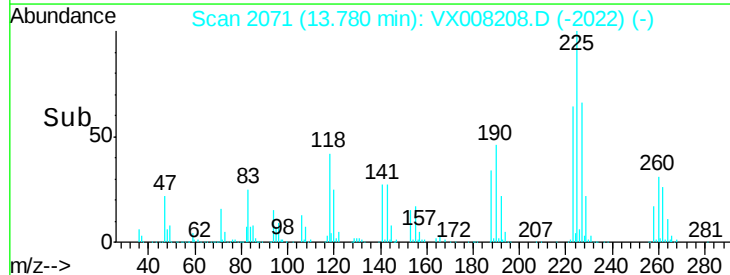
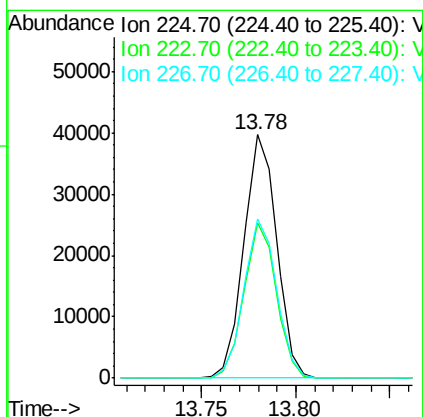
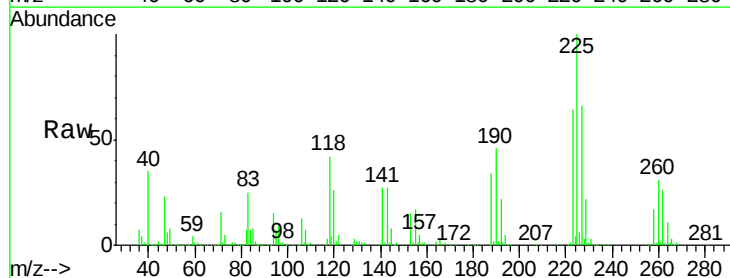
Instrument :
 MSVOA_X
 ClientSampleId :

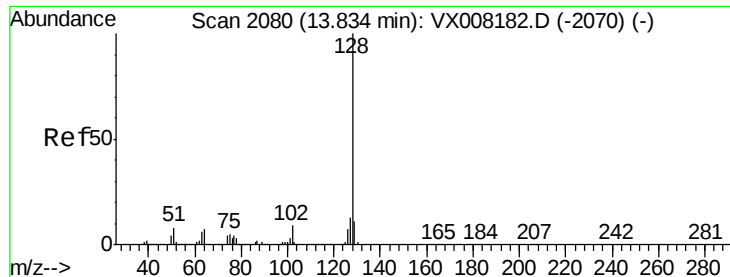
Tot Ion:180 Resp: 96584
 Ion Ratio Lower Upper
 180 100
 182 96.5 47.9 143.7
 145 29.8 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 19.419 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008208.D
 Acq: 19 Mar 2019 23:28

Tgt Ion:225 Resp: 47975
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.1 93.2
 227 65.5 32.0 96.0





#95

Naphthalene

Concen: 20.144 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008208.D

Acq: 19 Mar 2019 23:28

Instrument :

MSVOA_X

ClientSampleId :

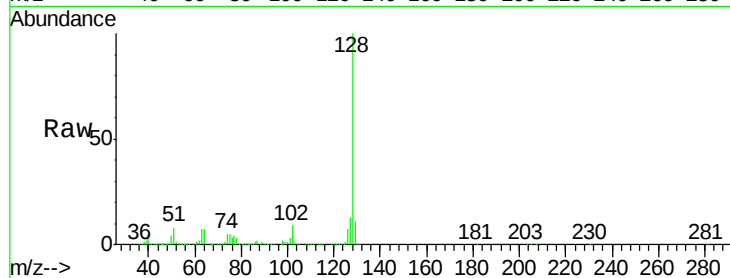
Tot Ion:128 Resp: 322058

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

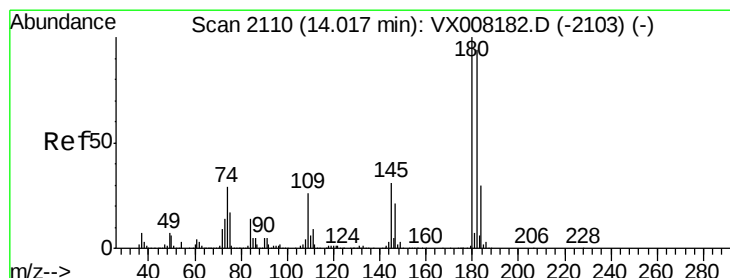
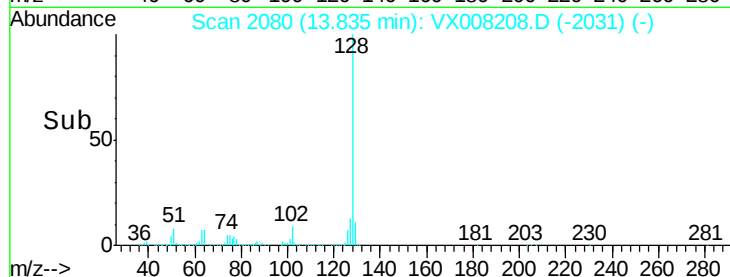
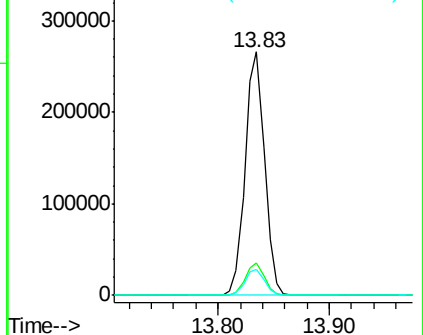
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.896 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX008208.D

Acq: 19 Mar 2019 23:28

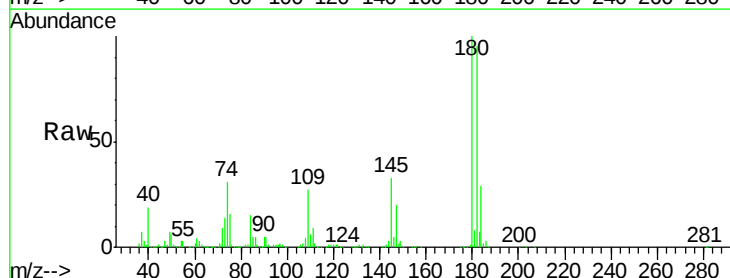
Tgt Ion:180 Resp: 99172

Ion Ratio Lower Upper

180 100

182 95.6 47.5 142.5

145 32.0 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

