

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX031819\
 Data File : VX008160.D
 Acq On : 18 Mar 2019 11:17
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Quant Time: Mar 18 11:54:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X031819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Mar 18 11:50:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	55561	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	308466	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	274421	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	136659	28.76	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.87%
60) 4-Bromofluorobenzene	11.13	95	137455	29.79	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.30%
63) Toluene-d8	8.71	98	400198	29.72	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.07%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	114958	47.389	ug/l 97
3) Chloromethane	1.33	50	141468	47.151	ug/l 95
4) Vinyl Chloride	1.41	62	147076	47.317	ug/l 99
5) Bromomethane	1.64	94	129414	62.977	ug/l 98
6) Chloroethane	1.72	64	90415	48.285	ug/l 98
7) Trichlorofluoromethane	1.93	101	178906	47.275	ug/l 98
8) Diethyl Ether	2.19	74	101823	46.640	ug/l 83
9) 1,1,2-Trichlorotrifluoroet	2.39	101	128475	47.610	ug/l 92
10) 1,1-Dichloroethene	2.37	96	122183	47.797	ug/l # 82
11) Methyl Iodide	2.51	142	161752	53.572	ug/l 97
12) Methyl Acetate	2.78	43	203660	47.870	ug/l 92
13) Acrolein	2.29	56	139321	231.708	ug/l 98
14) Acrylonitrile	3.14	53	444580	238.202	ug/l 98
15) Acetone	2.45	58	144635	219.690	ug/l 91
16) Carbon Disulfide	2.57	76	393443	48.853	ug/l 99
17) Allyl chloride	2.73	41	270120	49.898	ug/l 95
18) Methylene Chloride	2.86	84	141403	47.034	ug/l 89
19) trans-1,2-Dichloroethene	3.17	96	132256	48.149	ug/l 90
20) Diisopropyl ether	3.85	45	530429	48.711	ug/l # 85
21) 1,1-Dichloroethane	3.70	63	266658	47.654	ug/l 96
22) cis-1,2-Dichloroethene	4.60	96	149841	47.795	ug/l # 83
23) tert-Butyl Alcohol	3.05	59	164385	238.610	ug/l # 100
24) Methyl tert-Butyl Ether	3.20	73	444239	48.105	ug/l 98
25) Chloroform	5.21	83	252821	47.260	ug/l 95
26) Cyclohexane	5.58	56	257130	49.453	ug/l # 85
29) 1,1-Dichloropropene	5.80	75	195613	49.693	ug/l 93
30) 2-Butanone	4.68	43	701695	235.699	ug/l 94
31) 2,2-Dichloropropane	4.59	77	198441	50.466	ug/l 93
32) 1,1,1-Trichloroethane	5.49	97	208720	49.483	ug/l 95
33) Carbon Tetrachloride	5.79	117	176540	51.253	ug/l 97
34) Benzene	6.14	78	588438	49.084	ug/l # 96
35) Methacrylonitrile	5.04	41	136885	50.423	ug/l 93
36) 1,2-Dichloroethane	6.20	62	212360	48.153	ug/l 97
37) Trichloroethene	7.21	130	140572	49.798	ug/l 86
38) Methylcyclohexane	7.46	83	240576	50.643	ug/l 90
39) 1,2-Dichloropropane	7.51	63	161370	49.503	ug/l 99
40) Dibromomethane	7.66	93	97699	49.032	ug/l 90

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Mar 18 11:50:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	190911	49.860	ug/l	97
43) Ethyl Acetate	4.84	43	245696	48.208	ug/l #	83
44) Isopropyl Acetate	6.45	43	384930	50.836	ug/l	97
45) 1,4-Dioxane	7.74	88	70783	981.866	ug/l #	85
46) Methyl methacrylate	7.77	41	203800	50.700	ug/l	89
47) n-amyl Acetate	10.90	43	333607	50.845	ug/l	96
48) t-1,3-Dichloropropene	9.04	75	217966	53.632	ug/l	100
49) cis-1,3-Dichloropropene	8.43	75	239109	52.342	ug/l	95
50) 1,1,2-Trichloroethane	9.21	97	142330	49.634	ug/l	97
51) Ethyl methacrylate	9.18	69	235262	51.366	ug/l	91
52) 1,3-Dichloropropane	9.37	76	253176	48.524	ug/l	98
53) Dibromochloromethane	9.58	129	140218	51.214	ug/l	99
54) 1,2-Dibromoethane	9.67	107	147682	48.086	ug/l	100
55) 2-Chloroethyl vinyl ether	8.31	63	857751	250.977	ug/l	95
56) Bromoform	10.85	173	102118	52.599	ug/l #	99
58) 4-Methyl-2-Pentanone	8.64	43	1268252	242.784	ug/l	96
59) 2-Hexanone	9.49	43	996816	234.182	ug/l	97
61) Tetrachloroethene	9.34	164	129802	48.024	ug/l	95
62) Toluene	8.78	91	618791	49.085	ug/l	98
64) Chlorobenzene	10.13	112	368372	48.843	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.22	131	131238	50.674	ug/l	98
66) Ethyl Benzene	10.25	91	665076	50.132	ug/l	96
67) m/p-Xylenes	10.36	106	492444	100.412	ug/l	91
68) o-Xylene	10.69	106	237459	50.173	ug/l	91
69) Styrene	10.71	104	387686	50.451	ug/l	96
70) Isopropylbenzene	11.02	105	639362	50.076	ug/l	95
71) 1,1,2,2-Tetrachloroethane	11.27	83	222420	47.771	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	273143	67.010	ug/l	89
73) Bromobenzene	11.26	156	148948	49.444	ug/l	79
74) n-propylbenzene	11.36	91	757649	50.885	ug/l	94
75) 2-Chlorotoluene	11.42	91	441691	49.364	ug/l	91
76) 1,3,5-Trimethylbenzene	11.51	105	529482	50.214	ug/l	96
77) t-1,4-Dichloro-2-butene	11.07	75	71672	53.824	ug/l	93
78) 4-Chlorotoluene	11.51	91	508942	50.210	ug/l	92
79) tert-butylbenzene	12.06	119	547446	51.876	ug/l	96
80) 1,2,4-Trimethylbenzene	11.80	105	538012	50.719	ug/l	95
81) sec-Butylbenzene	11.94	105	633634	50.671	ug/l	96
82) p-Isopropyltoluene	12.06	119	547446	51.876	ug/l	96
83) 1,3-Dichlorobenzene	12.02	146	268200	49.434	ug/l	95
84) 1,4-Dichlorobenzene	12.10	146	266587	50.675	ug/l	96
85) n-Butylbenzene	12.38	91	510719	53.382	ug/l	97
86) Hexachloroethane	12.60	117	93009	52.142	ug/l	100
87) 1,2-Dichlorobenzene	12.39	146	266003	49.308	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	13.00	75	48772	50.127	ug/l #	77
89) 1,2,4-Trichlorobenzene	13.65	180	175081	51.897	ug/l	98
90) Hexachlorobutadiene	13.78	225	90261	51.946	ug/l	98
91) Naphthalene	13.83	128	569294	51.395	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	174066	51.545	ug/l	99

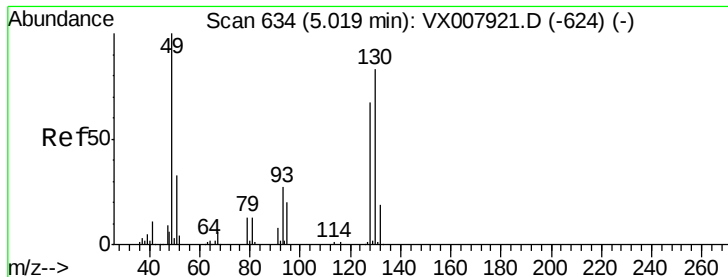
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX031819\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. -0.00 min

Lab File: VX008160.D

Acq: 18 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

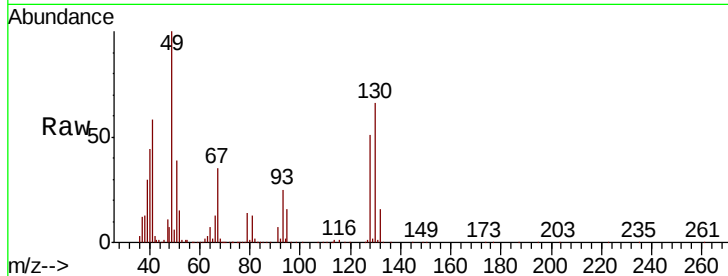
Tgt Ion:128 Resp: 55561

Ion Ratio Lower Upper

128 100

49 193.8 0.0 350.8

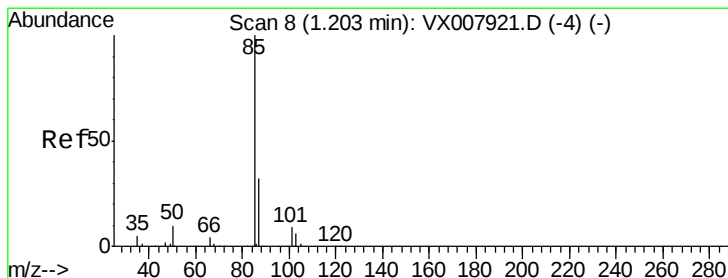
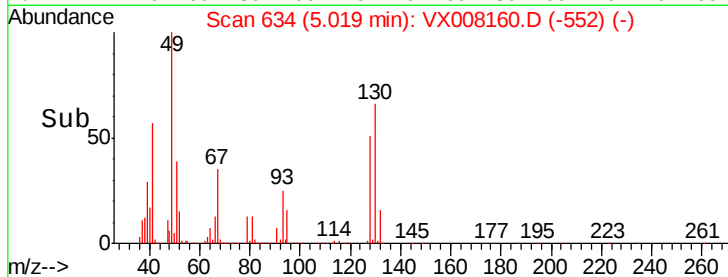
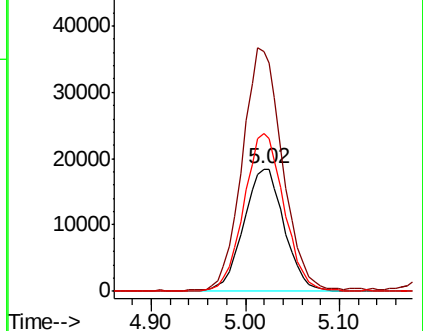
130 128.3 0.0 325.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 47.389 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008160.D

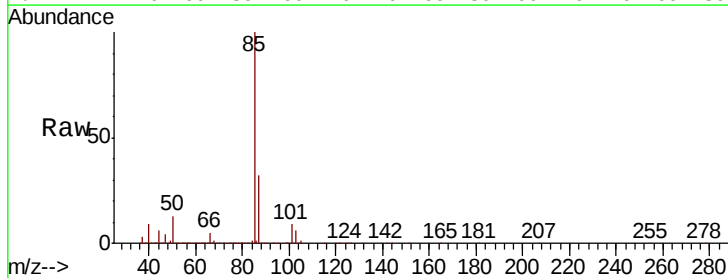
Acq: 18 Mar 2019 11:17

Tgt Ion: 85 Resp: 114958

Ion Ratio Lower Upper

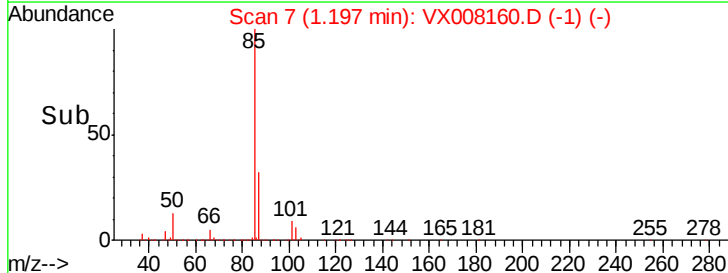
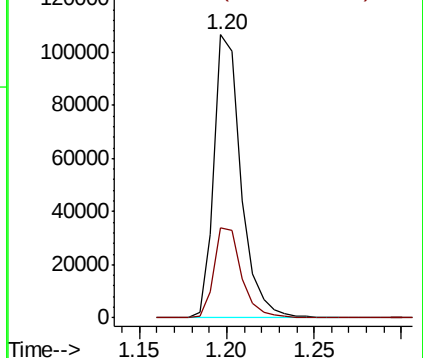
85 100

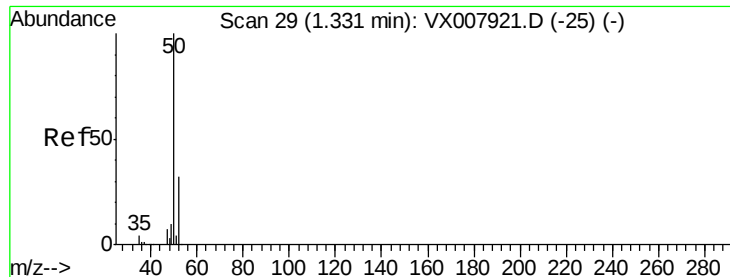
87 31.8 16.6 49.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 47.151 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX008160.D

Acq: 18 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

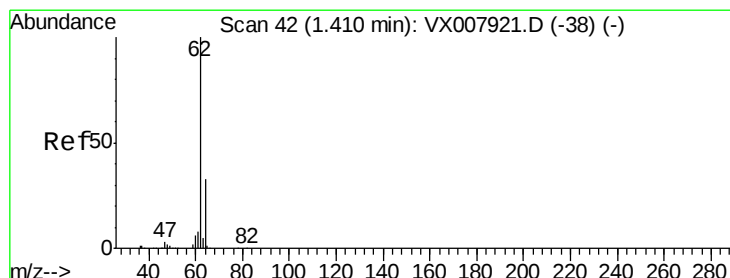
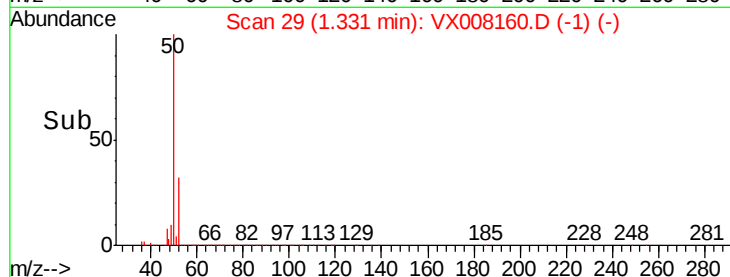
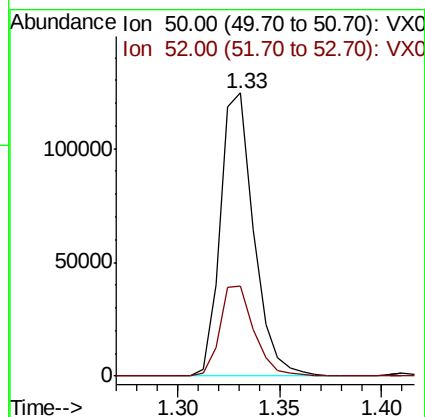
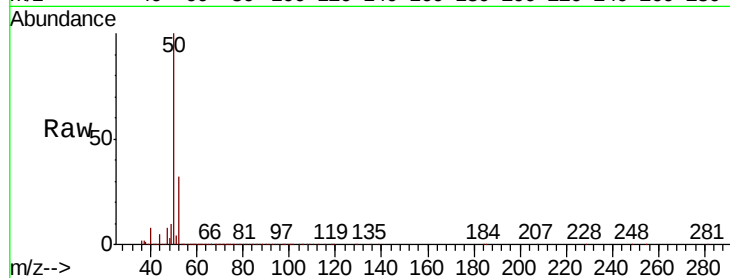
VSTDIC050

Tgt Ion: 50 Resp: 141468

Ion Ratio Lower Upper

50 100

52 31.8 27.5 41.3



#4

Vinyl Chloride

Concen: 47.317 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008160.D

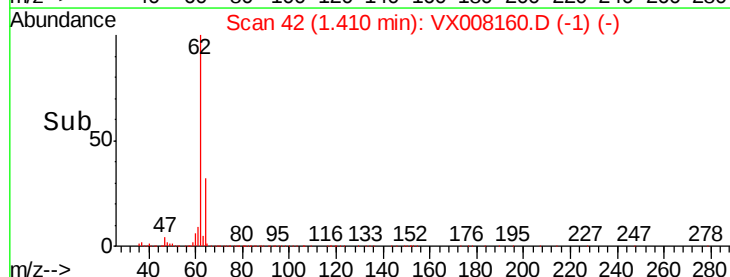
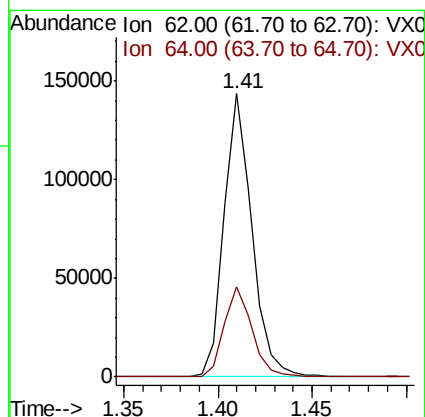
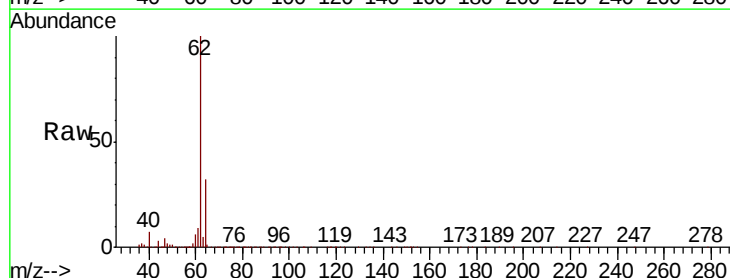
Acq: 18 Mar 2019 11:17

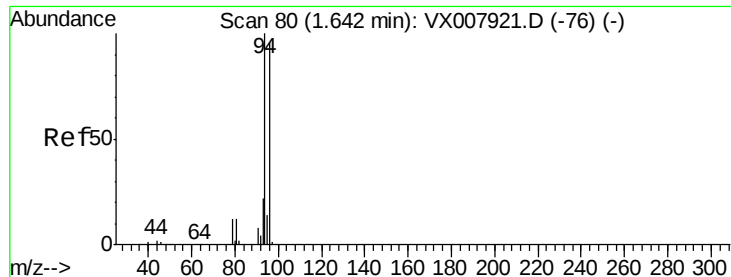
Tgt Ion: 62 Resp: 147076

Ion Ratio Lower Upper

62 100

64 31.7 25.9 38.9





#5

Bromomethane

Concen: 62.977 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX008160.D

Acq: 18 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

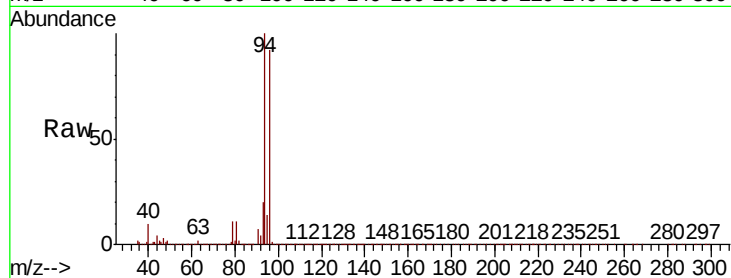
VSTDIC050

Tgt Ion: 94 Resp: 129414

Ion Ratio Lower Upper

94 100

96 92.5 75.6 113.4



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

1.64

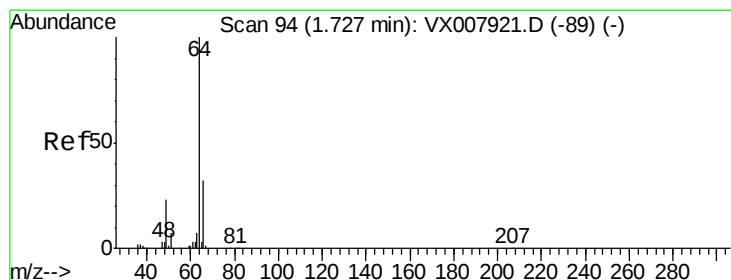
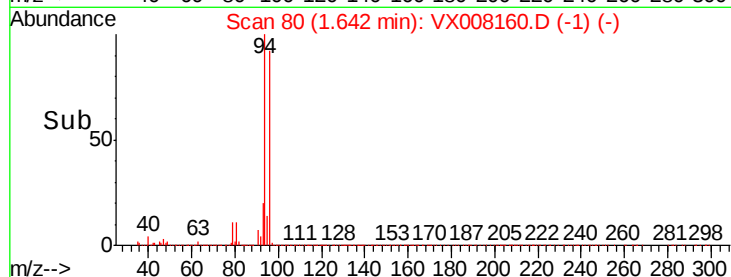
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 48.285 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.01 min

Lab File: VX008160.D

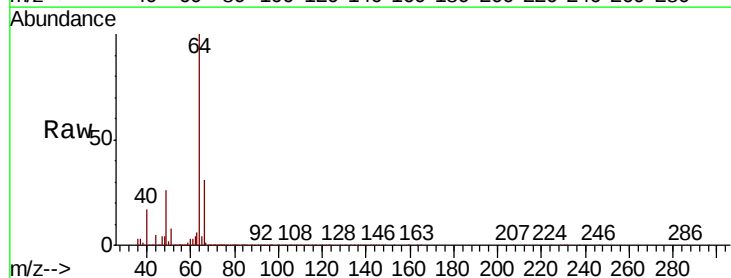
Acq: 18 Mar 2019 11:17

Tgt Ion: 64 Resp: 90415

Ion Ratio Lower Upper

64 100

66 30.9 23.9 35.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

1.72

80000

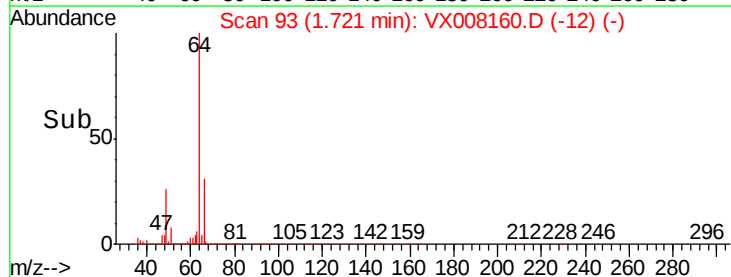
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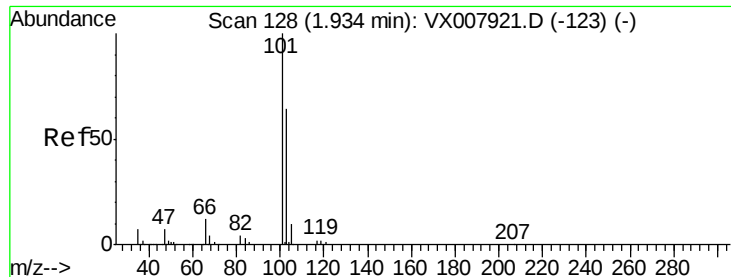
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20000

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Time-->



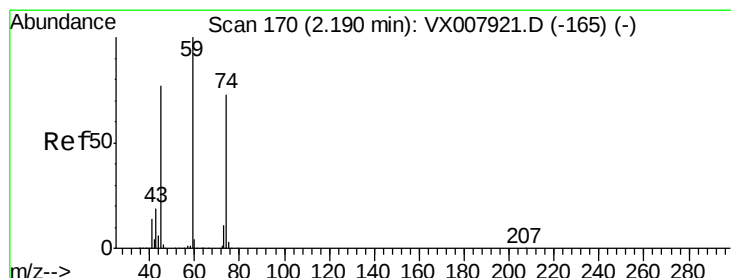
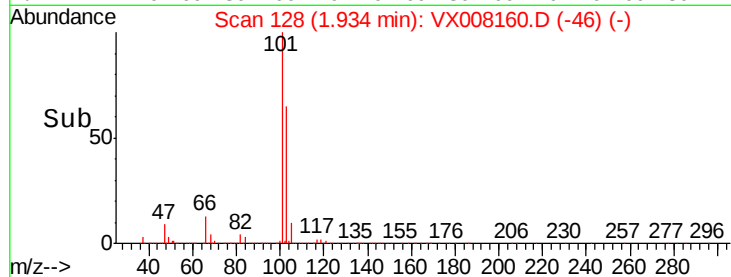
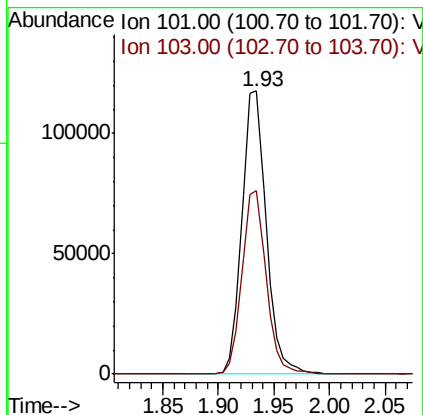
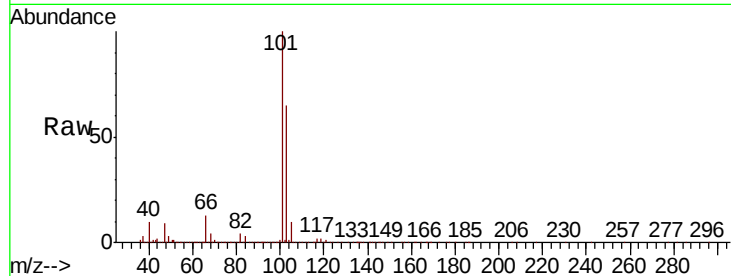


#7

Trichlorofluoromethane
 Concen: 47.275 ug/l
 RT: 1.93 min Scan# 128
 Delta R.T. -0.00 min
 Lab File: VX008160.D
 Acq: 18 Mar 2019 11:17

Instrument :
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 VSTDIC050

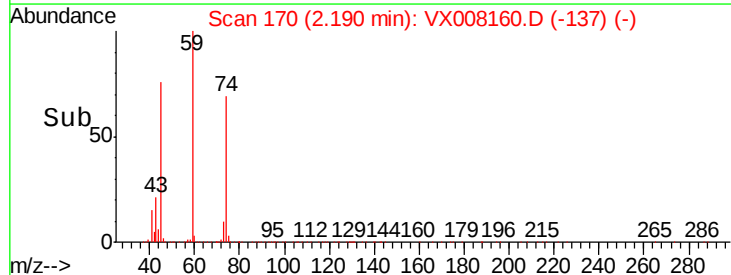
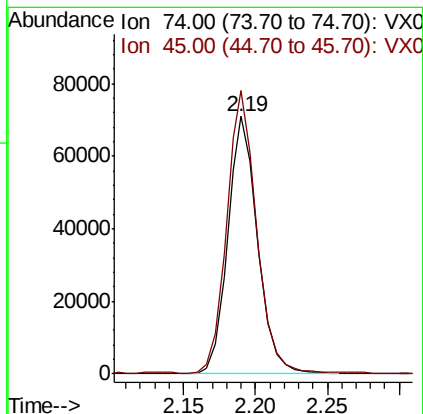
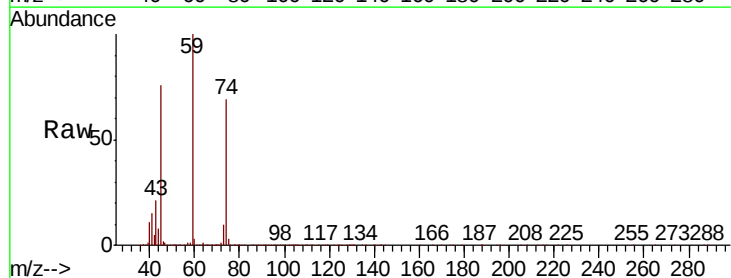
Tgt Ion:101 Resp: 178906
 Ion Ratio Lower Upper
 101 100
 103 64.7 50.4 75.6

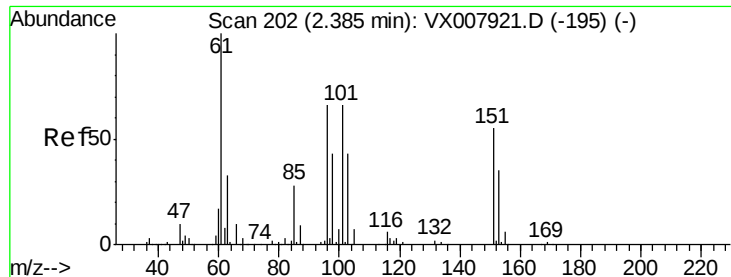


#8

Diethyl Ether
 Concen: 46.640 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX008160.D
 Acq: 18 Mar 2019 11:17

Tgt Ion: 74 Resp: 101823
 Ion Ratio Lower Upper
 74 100
 45 109.8 18.6 167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.610 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX008160.D

Acq: 18 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

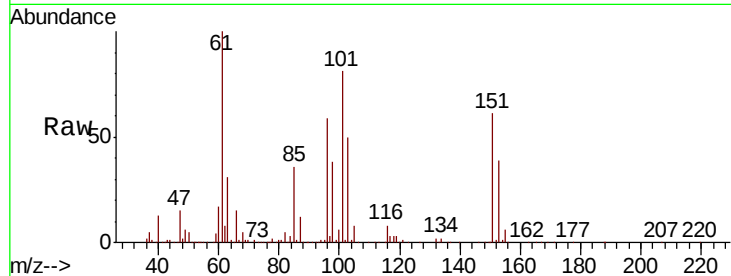
Tgt Ion: 101 Resp: 128475

Ion Ratio Lower Upper

101 100

85 45.4 0.0 86.8

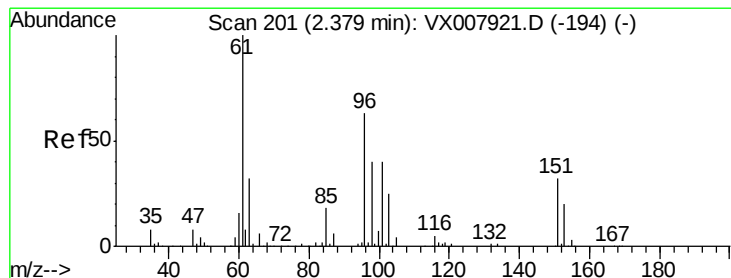
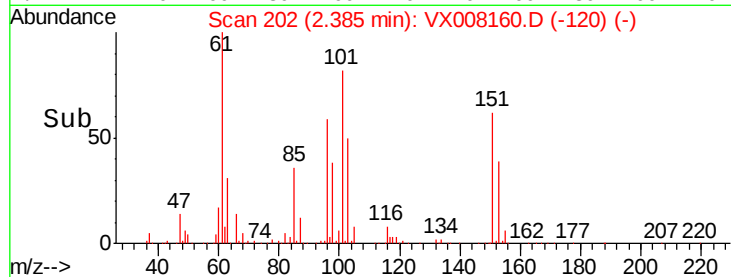
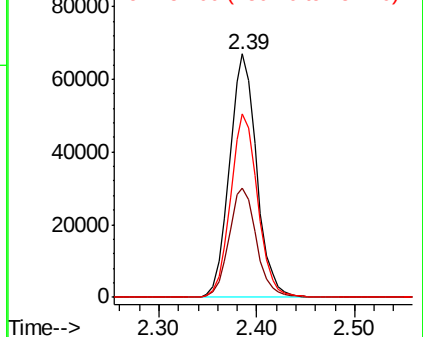
151 75.5 0.0 169.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 47.797 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX008160.D

Acq: 18 Mar 2019 11:17

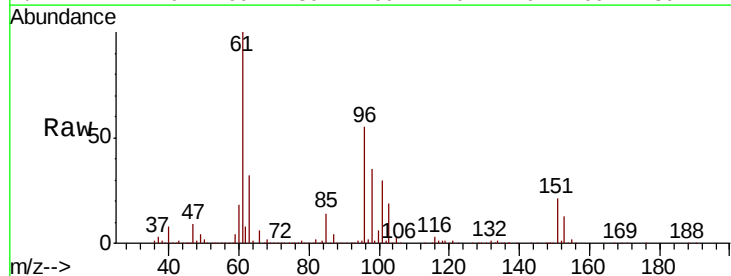
Tgt Ion: 96 Resp: 122183

Ion Ratio Lower Upper

96 100

61 180.6 120.2 180.2#

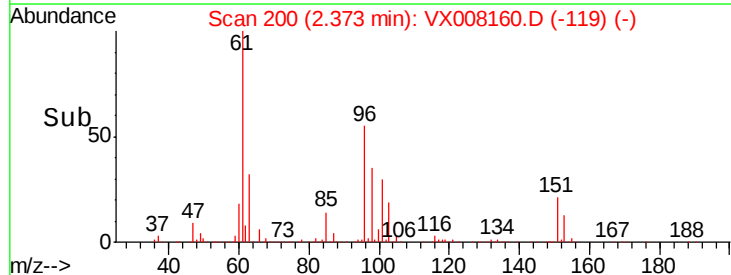
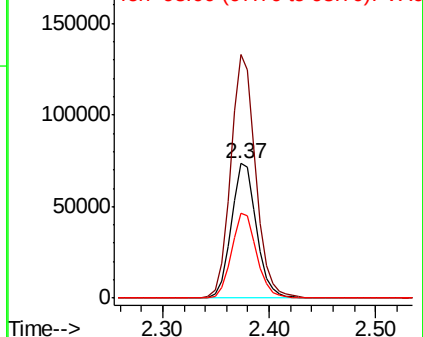
98 62.7 49.0 73.4

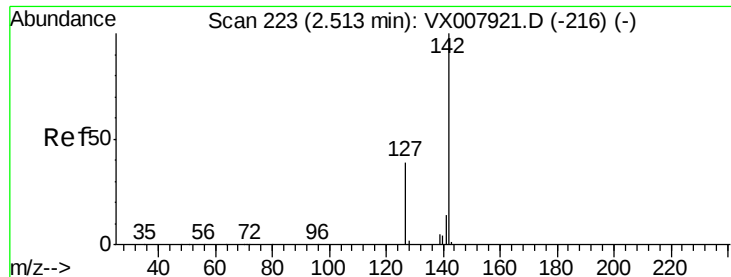


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

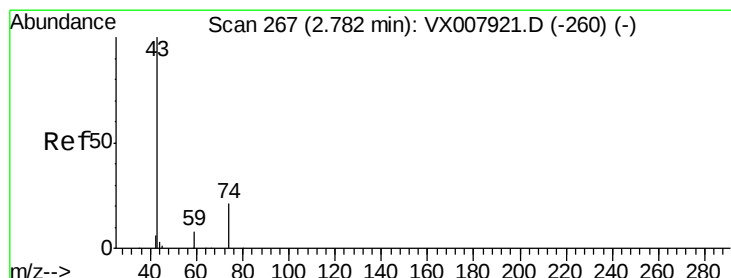
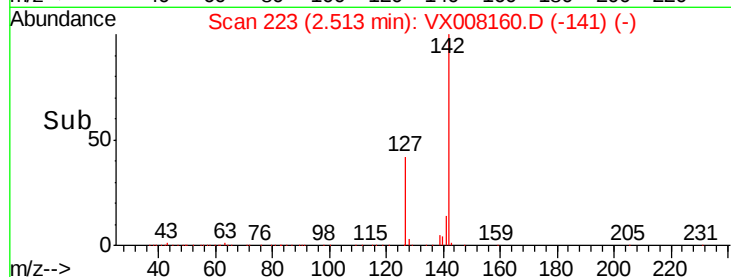
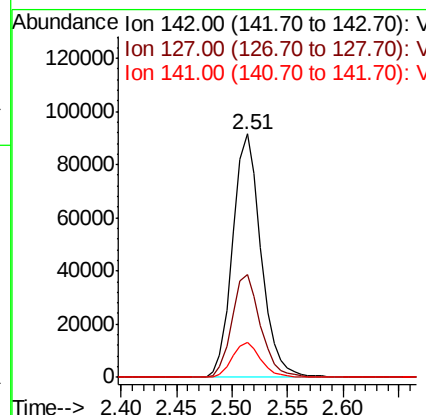
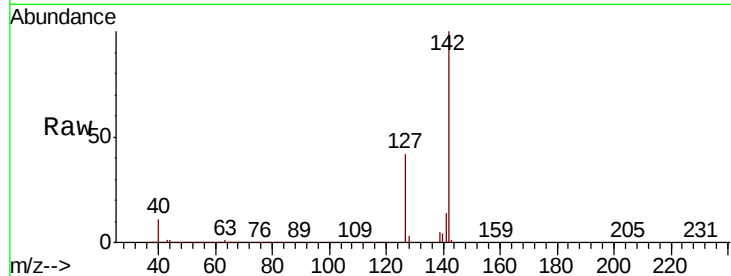




#11
Methyl Iodide
Concen: 53.572 ug/l
RT: 2.51 min Scan# 223
Delta R.T. -0.00 min
Lab File: VX008160.D
Acq: 18 Mar 2019 11:17

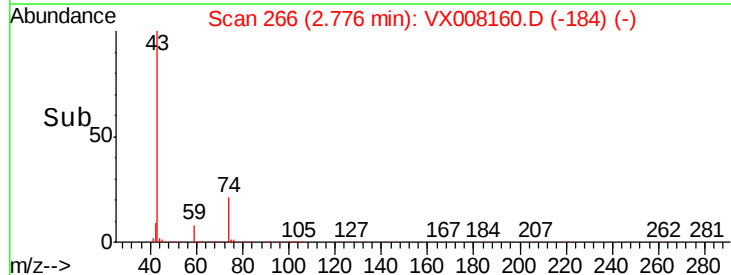
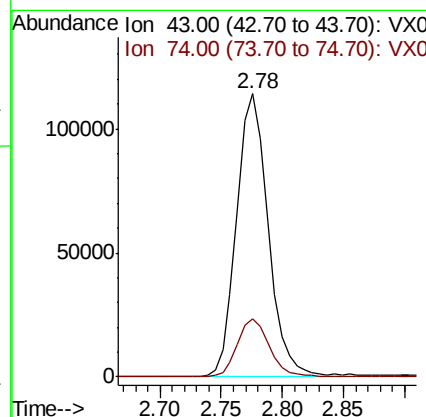
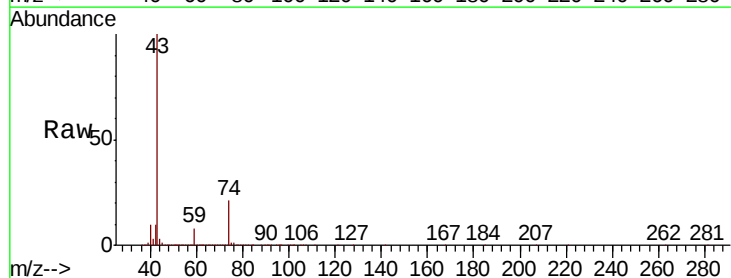
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

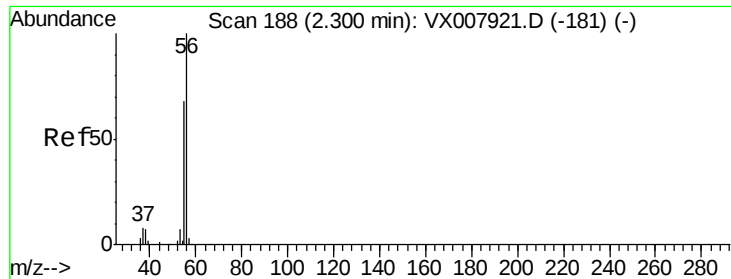
Tgt Ion:142 Resp: 161752
Ion Ratio Lower Upper
142 100
127 42.0 22.1 66.5
141 14.2 7.4 22.3



#12
Methyl Acetate
Concen: 47.870 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX008160.D
Acq: 18 Mar 2019 11:17

Tgt Ion: 43 Resp: 203660
Ion Ratio Lower Upper
43 100
74 20.4 19.4 29.0





#13

Acrolein

Concen: 231.708 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008160.D

Acq: 18 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

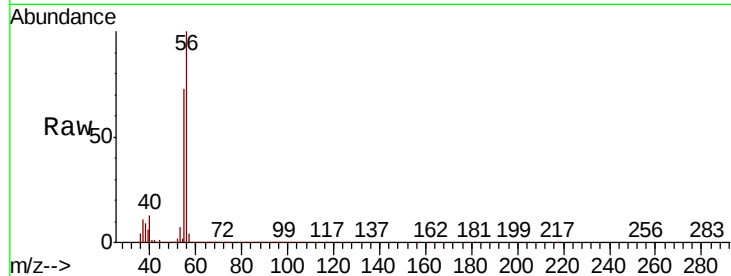
VSTDIC050

Tgt Ion: 56 Resp: 139321

Ion Ratio Lower Upper

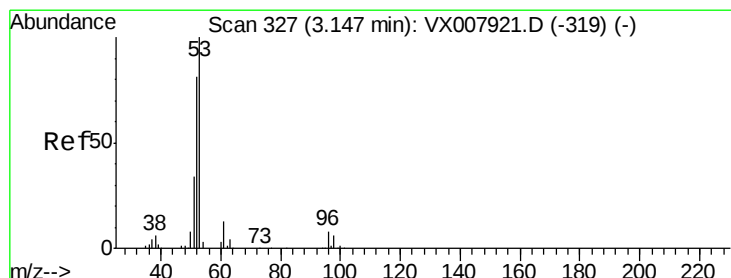
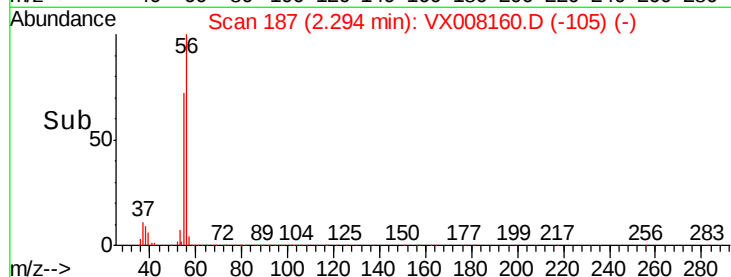
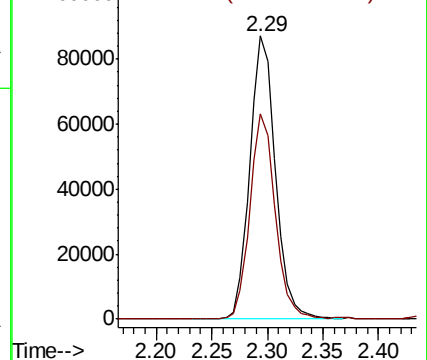
56 100

55 71.4 58.6 87.8



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Acrylonitrile

Concen: 238.202 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX008160.D

Acq: 18 Mar 2019 11:17

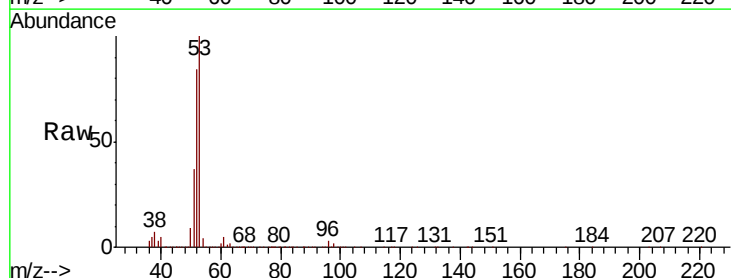
Tgt Ion: 53 Resp: 444580

Ion Ratio Lower Upper

53 100

52 84.0 41.3 124.1

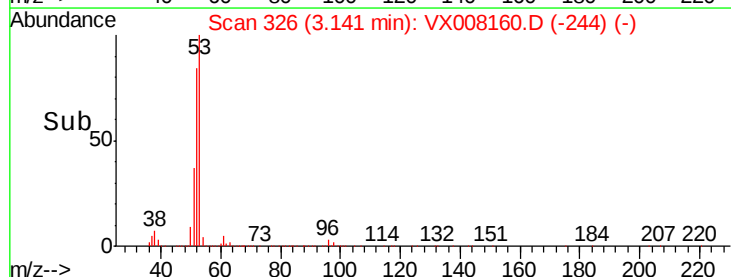
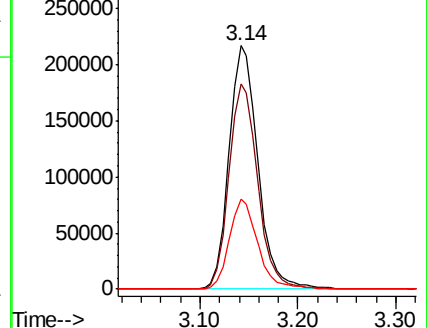
51 36.7 17.5 52.6

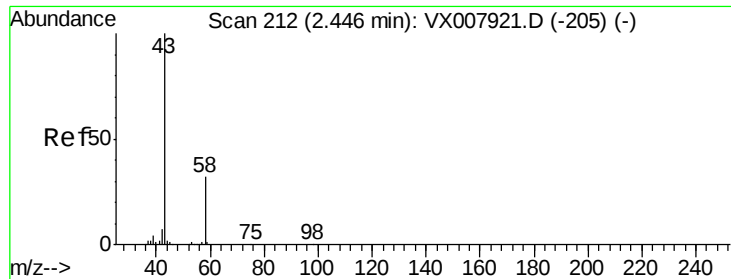


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#15

Acetone

Concen: 219.690 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008160.D

Acq: 18 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

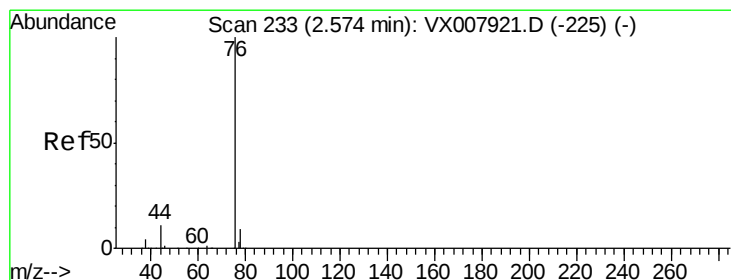
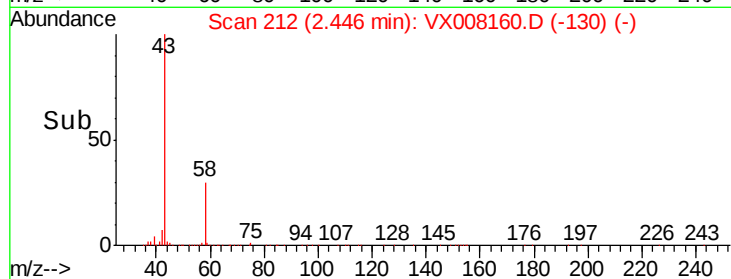
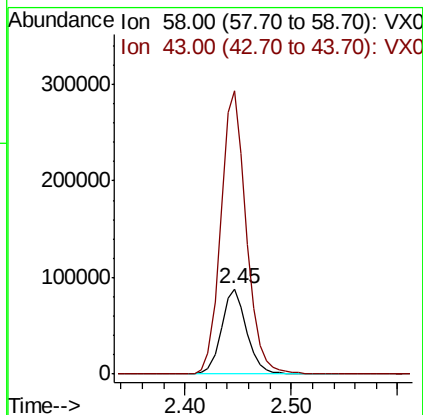
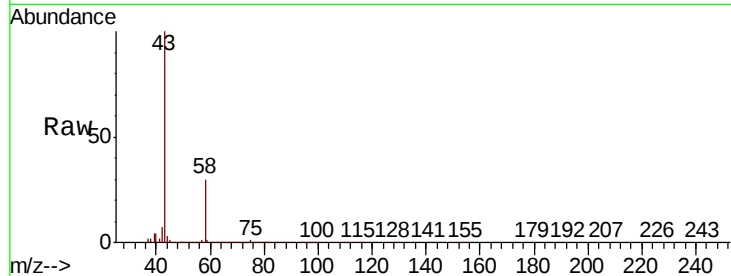
VSTDIC050

Tgt Ion: 58 Resp: 144635

Ion Ratio Lower Upper

58 100

43 331.2 249.8 374.6



#16

Carbon Disulfide

Concen: 48.853 ug/l

RT: 2.57 min Scan# 233

Delta R.T. -0.00 min

Lab File: VX008160.D

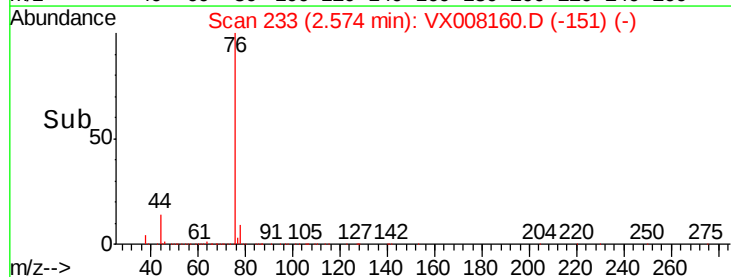
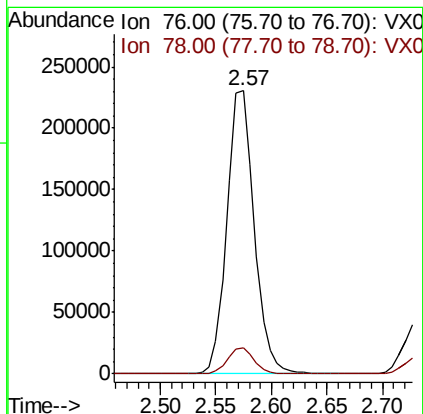
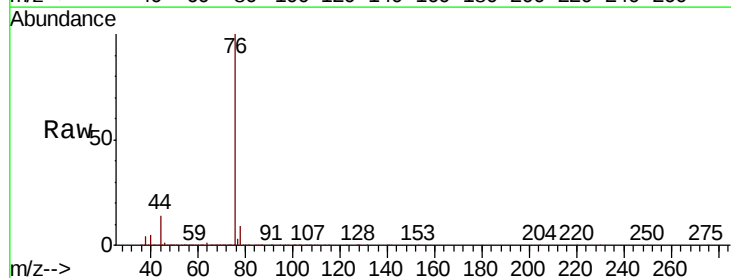
Acq: 18 Mar 2019 11:17

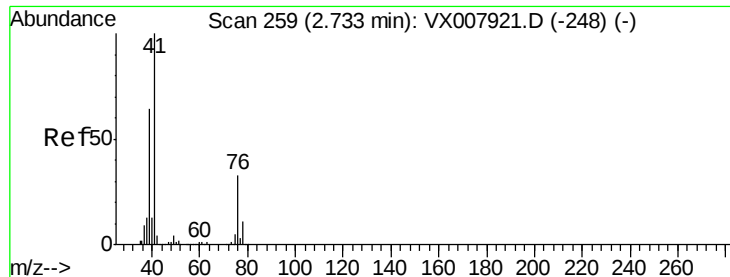
Tgt Ion: 76 Resp: 393443

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3





#17

Allyl chloride

Concen: 49.898 ug/l

RT: 2.73 min Scan# 259

Delta R.T. -0.00 min

Lab File: VX008160.D

Acq: 18 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

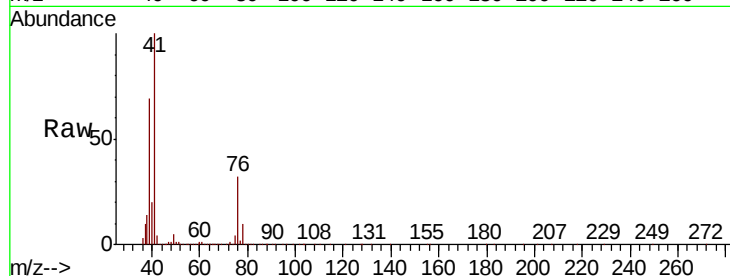
Tgt Ion: 41 Resp: 270120

Ion Ratio Lower Upper

41 100

39 69.1 35.8 107.4

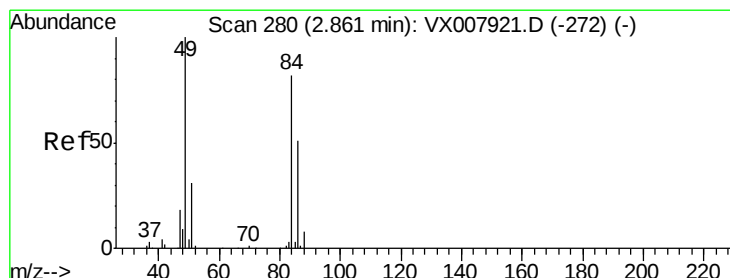
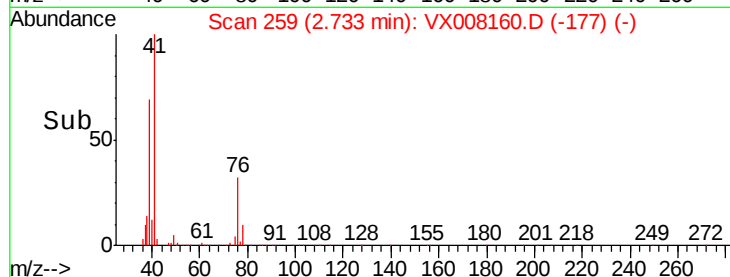
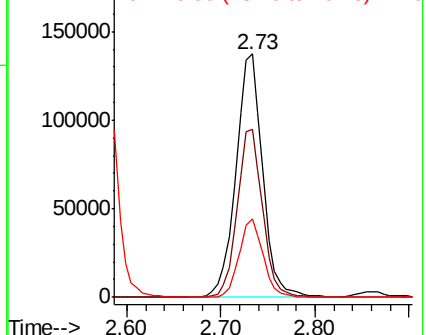
76 32.0 18.3 54.9



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 76.00 (75.70 to 76.70): VX0



#18

Methylene Chloride

Concen: 47.034 ug/l

RT: 2.86 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX008160.D

Acq: 18 Mar 2019 11:17

Tgt Ion: 84 Resp: 141403

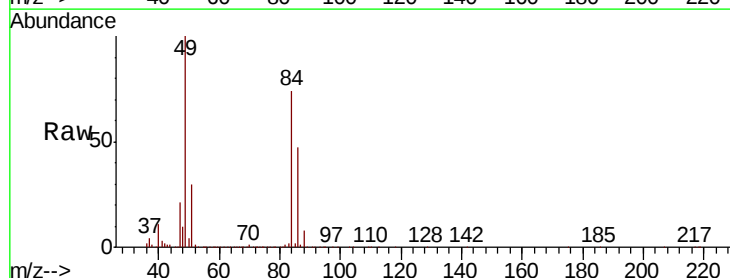
Ion Ratio Lower Upper

84 100

49 135.5 96.1 144.1

51 41.1 29.1 43.7

86 63.3 47.3 70.9

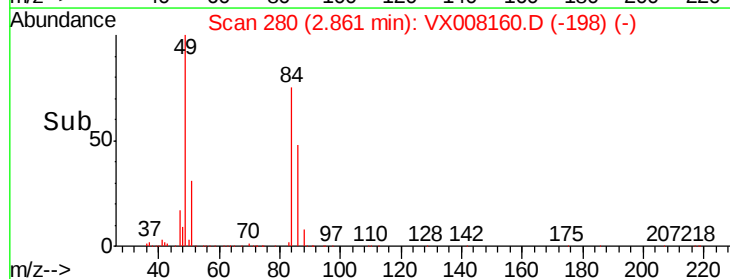
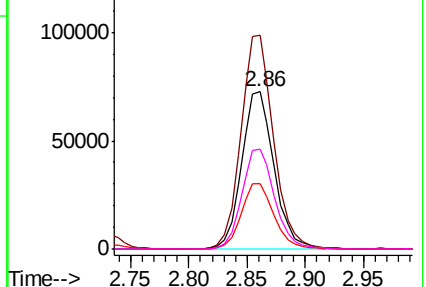


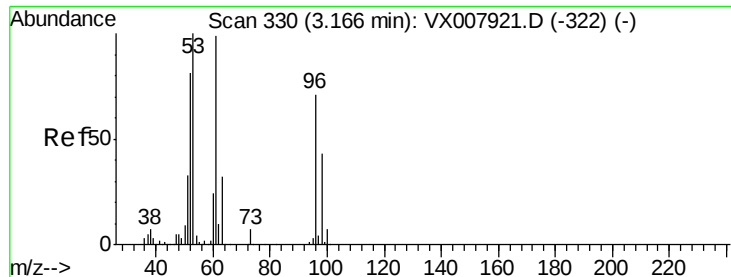
Abundance Ion 84.00 (83.70 to 84.70): VX0

Ion 49.00 (48.70 to 49.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#19

trans-1,2-Dichloroethene

Concen: 48.149 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX008160.D

Acq: 18 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

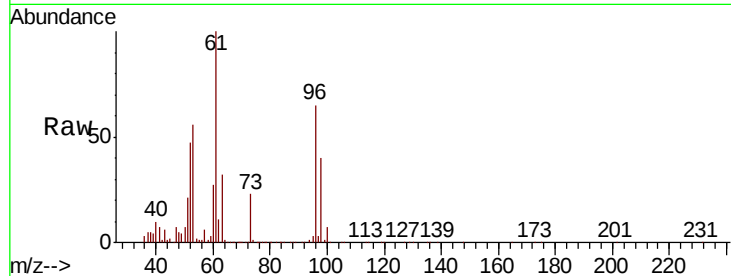
Tgt Ion: 96 Resp: 132256

Ion Ratio Lower Upper

96 100

61 154.9 109.9 164.9

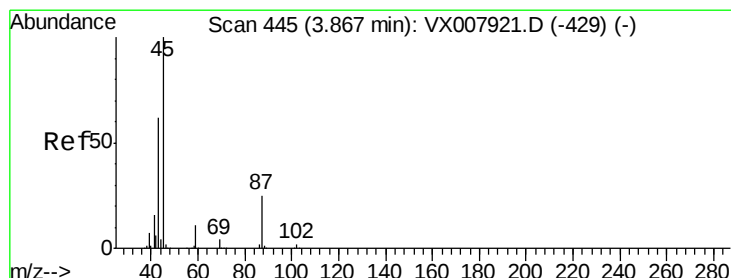
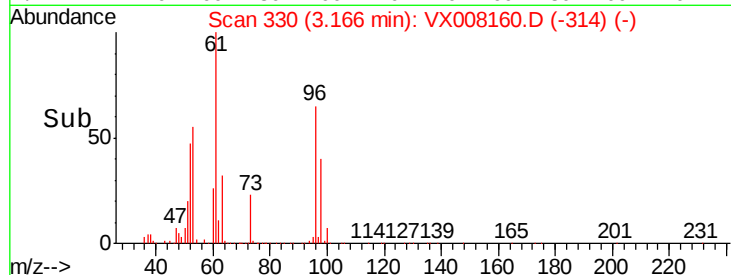
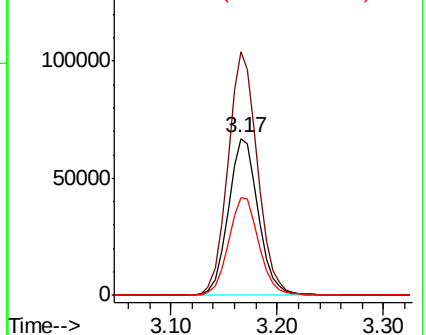
98 62.5 50.4 75.6



Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#20

Diisopropyl ether

Concen: 48.711 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.01 min

Lab File: VX008160.D

Acq: 18 Mar 2019 11:17

Tgt Ion: 45 Resp: 530429

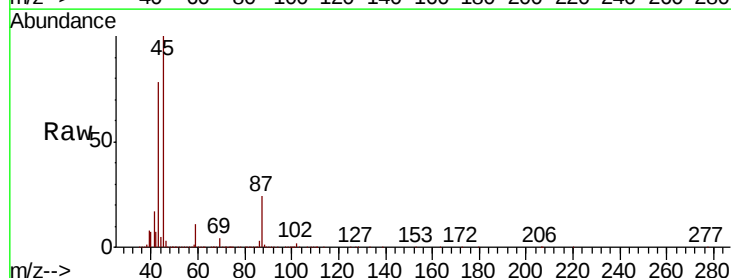
Ion Ratio Lower Upper

45 100

43 77.1 50.6 76.0#

87 23.5 24.5 36.7#

59 10.5 10.2 15.2

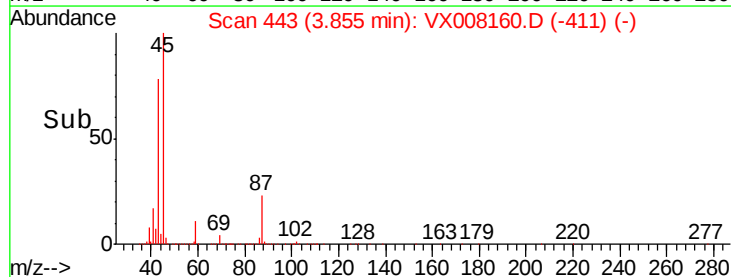
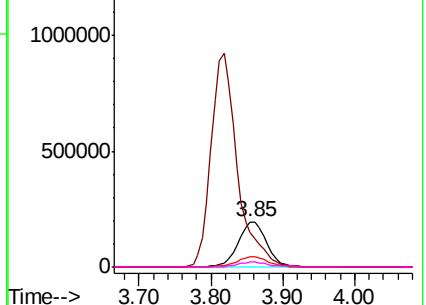


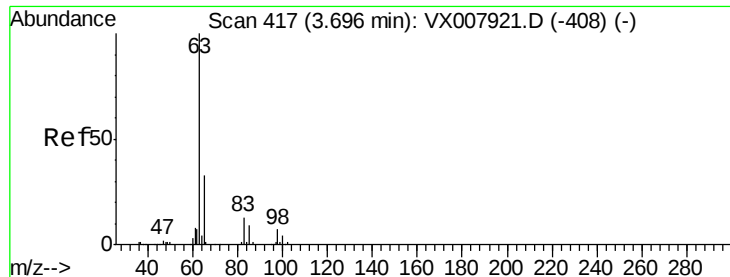
Abundance Ion 45.00 (44.70 to 45.70): VX0

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





#21

1,1-Dichloroethane

Concen: 47.654 ug/l

RT: 3.70 min Scan# 418

Delta R.T. -0.00 min

Lab File: VX008160.D

Acq: 18 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

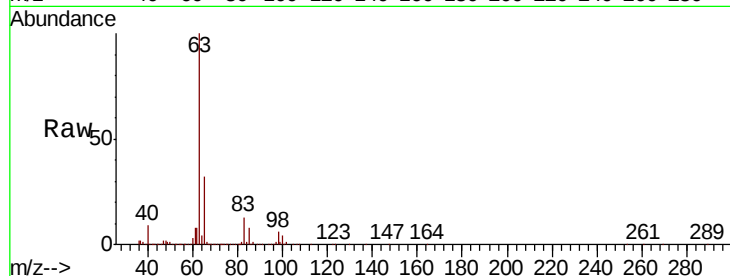
Tgt Ion: 63 Resp: 266658

Ion Ratio Lower Upper

63 100

98 6.0 3.8 11.4

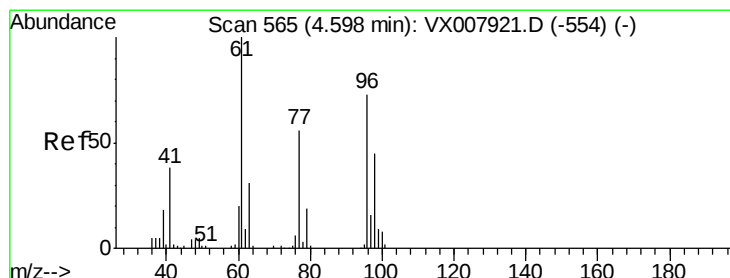
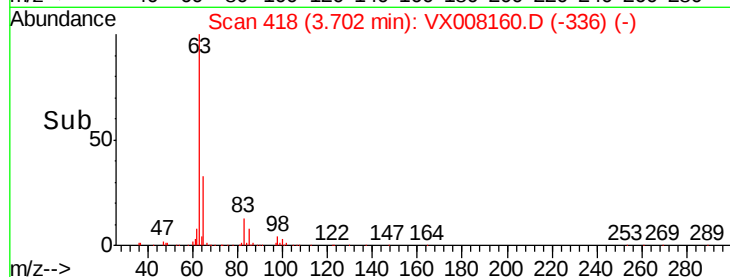
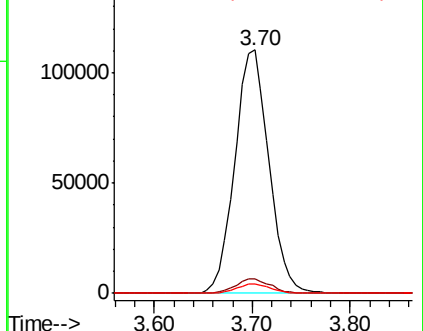
100 3.5 2.4 7.1



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#22

cis-1,2-Dichloroethene

Concen: 47.795 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX008160.D

Acq: 18 Mar 2019 11:17

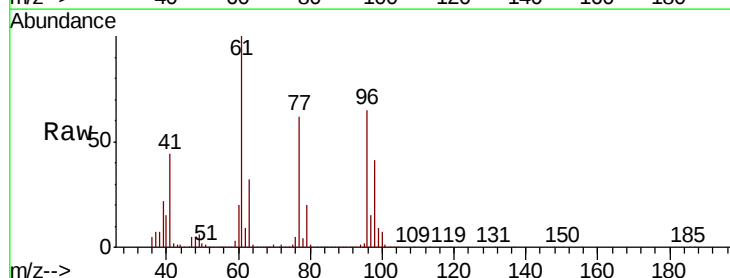
Tgt Ion: 96 Resp: 149841

Ion Ratio Lower Upper

96 100

61 158.8 103.5 155.3#

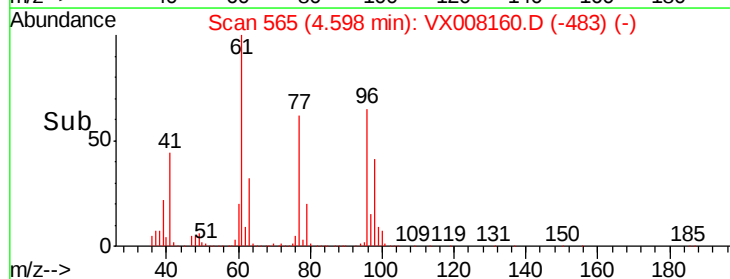
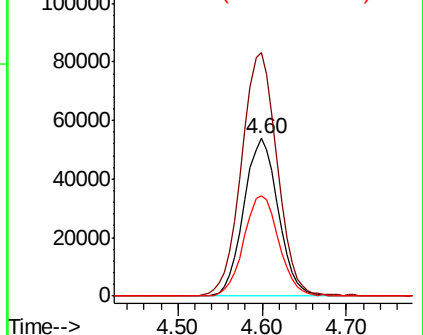
98 64.9 52.1 78.1

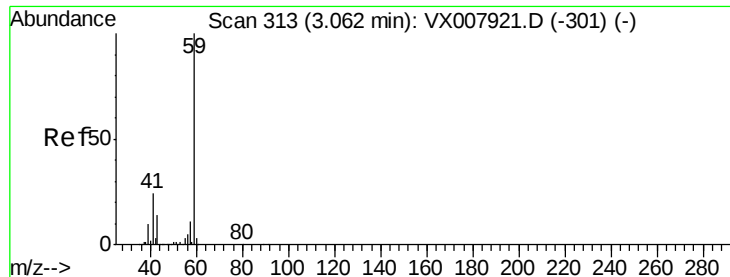


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



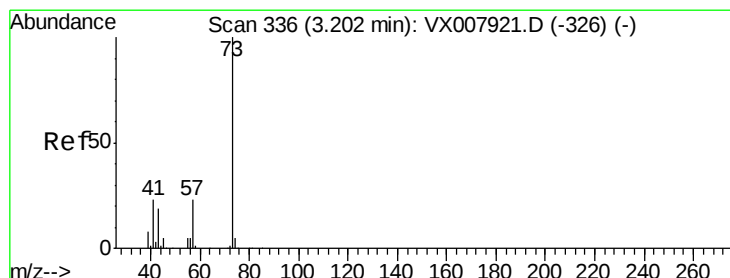
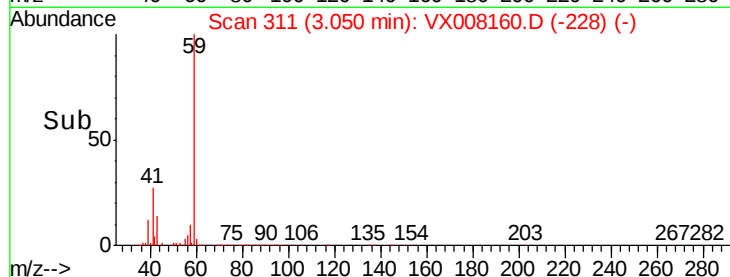
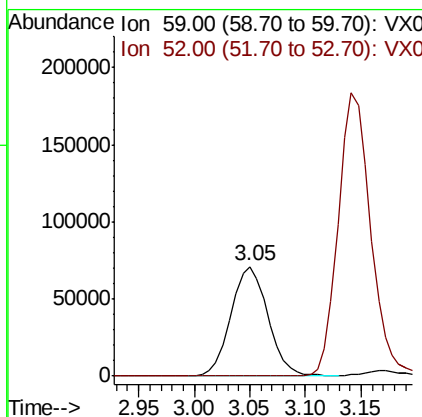
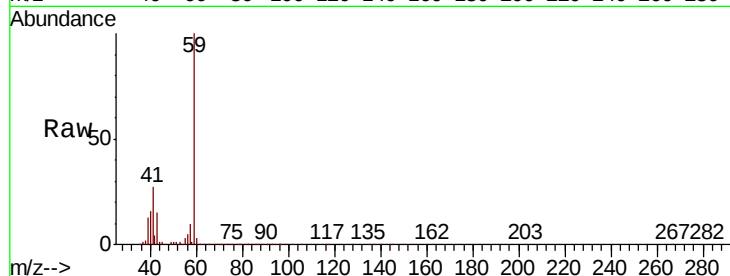


#23

tert-Butyl Alcohol
 Concen: 238.610 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. 0.01 min
 Lab File: VX008160.D
 Acq: 18 Mar 2019 11:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

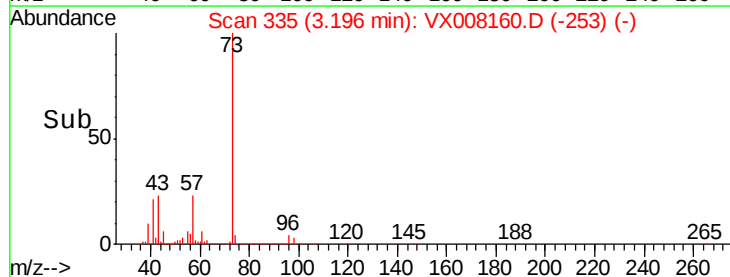
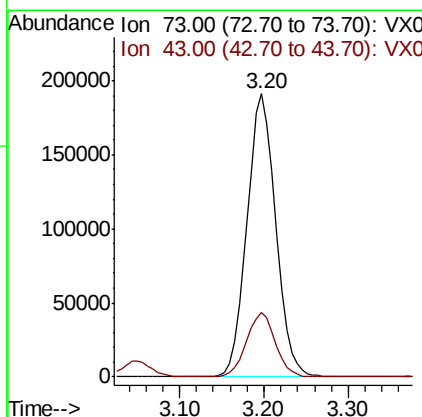
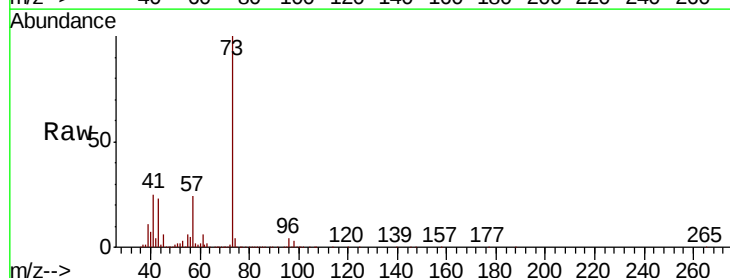
Tgt Ion: 59 Resp: 164385
 Ion Ratio Lower Upper
 59 100
 52 0.4 0.2 0.2#

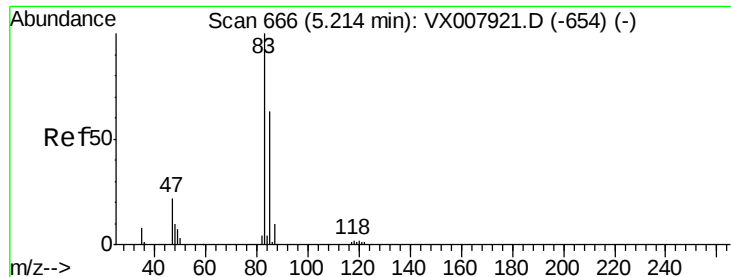


#24

Methyl tert-Butyl Ether
 Concen: 48.105 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VX008160.D
 Acq: 18 Mar 2019 11:17

Tgt Ion: 73 Resp: 444239
 Ion Ratio Lower Upper
 73 100
 43 22.4 17.1 25.7





#25

Chloroform

Concen: 47.260 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX008160.D

Acq: 18 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

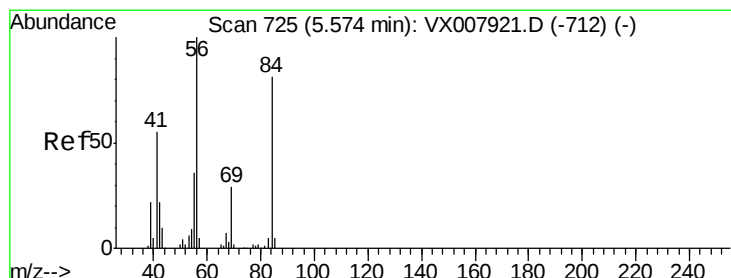
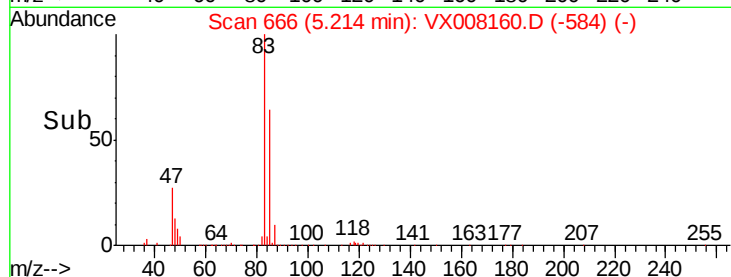
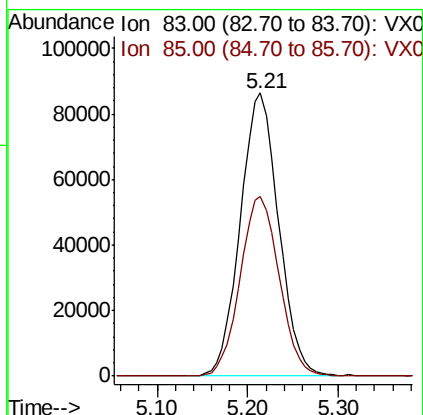
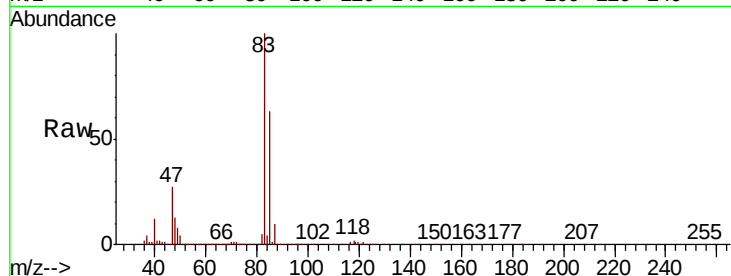
VSTDIC050

Tgt Ion: 83 Resp: 252821

Ion Ratio Lower Upper

83 100

85 63.5 53.8 80.6



#26

Cyclohexane

Concen: 49.453 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.01 min

Lab File: VX008160.D

Acq: 18 Mar 2019 11:17

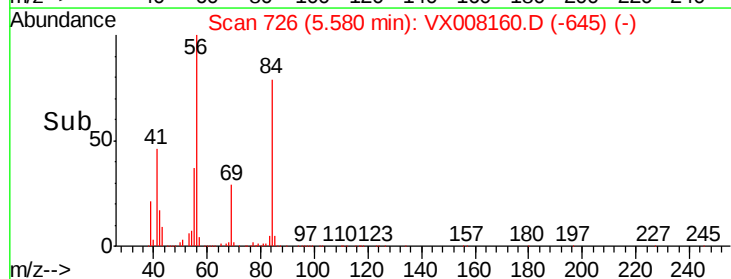
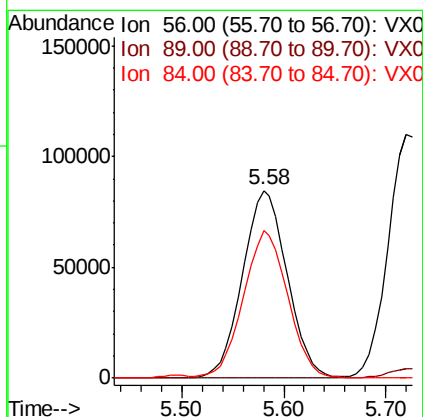
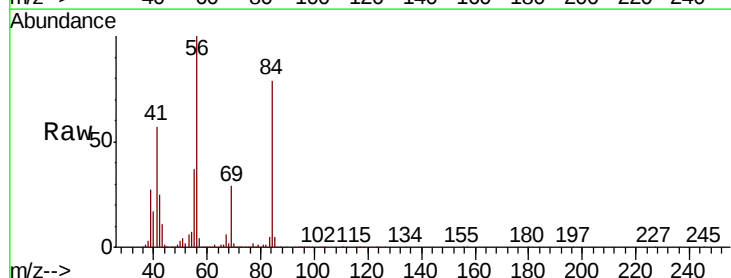
Tgt Ion: 56 Resp: 257130

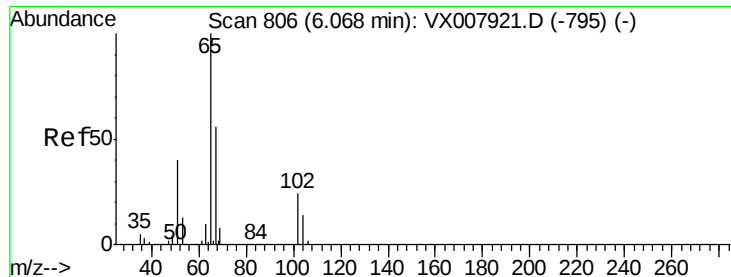
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0#

84 78.2 73.9 110.9





#27

1,2-Dichloroethane-d4

Concen: 28.755 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008160.D

Acq: 18 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

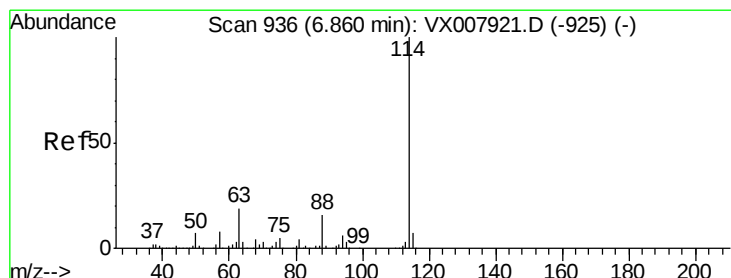
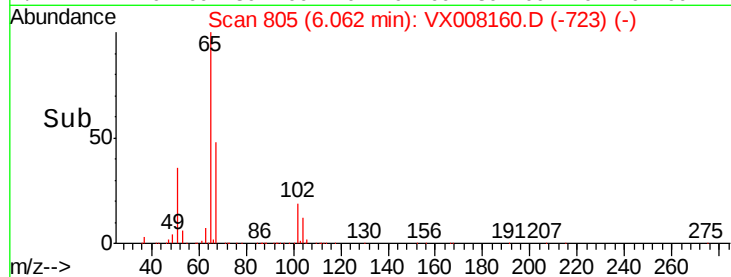
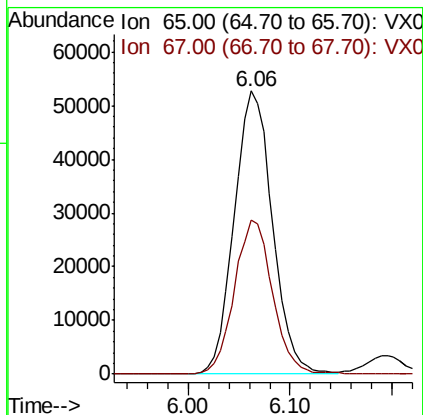
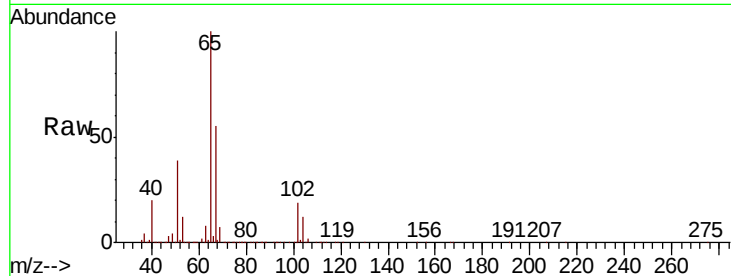
VSTDIC050

Tgt Ion: 65 Resp: 136659

Ion Ratio Lower Upper

65 100

67 53.9 42.9 64.3



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008160.D

Acq: 18 Mar 2019 11:17

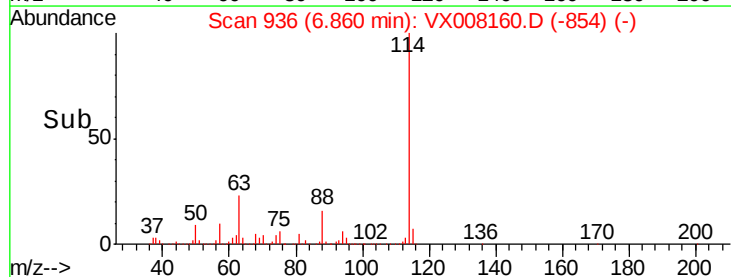
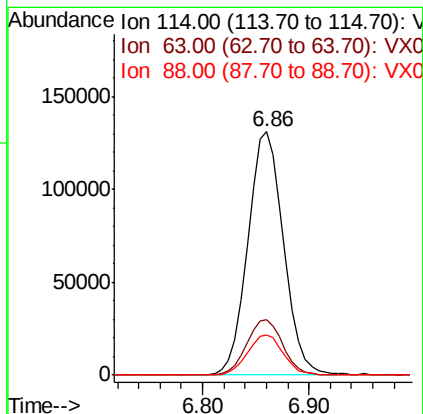
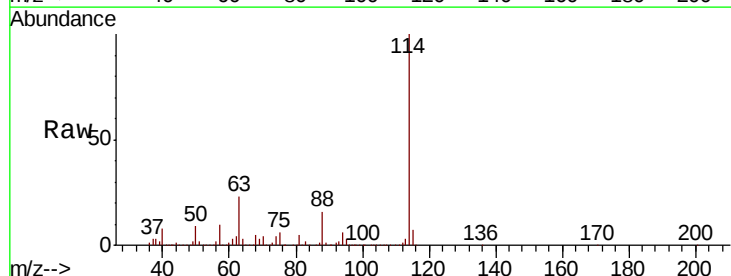
Tgt Ion: 114 Resp: 308466

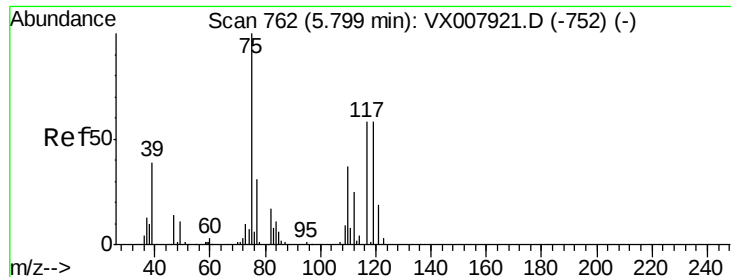
Ion Ratio Lower Upper

114 100

63 23.0 14.2 21.4#

88 16.7 11.9 17.9

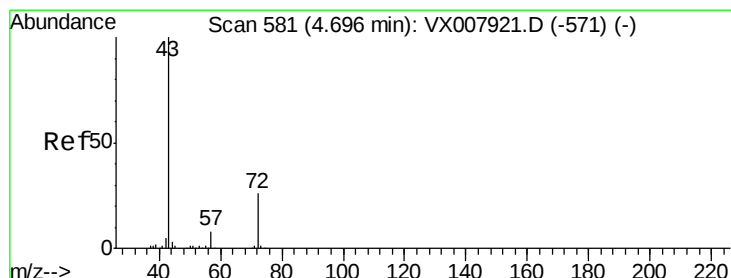
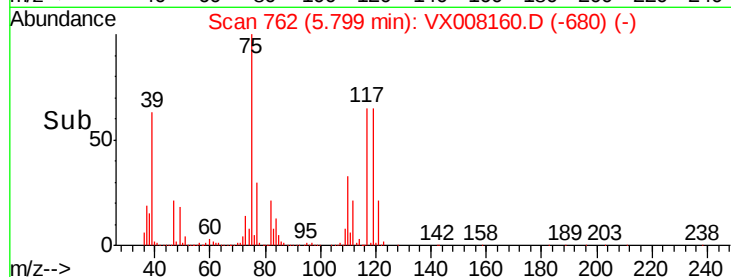
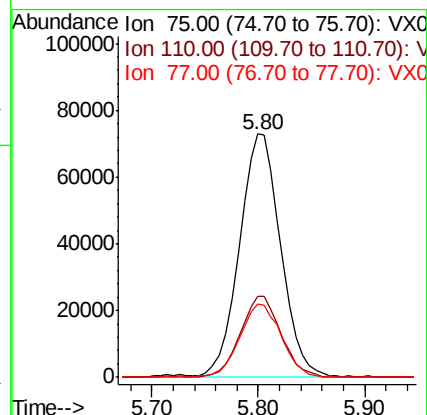
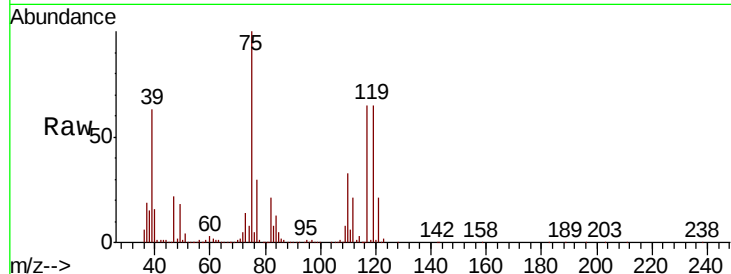




#29
 1,1-Dichloropropene
 Concen: 49.693 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX008160.D
 Acq: 18 Mar 2019 11:17

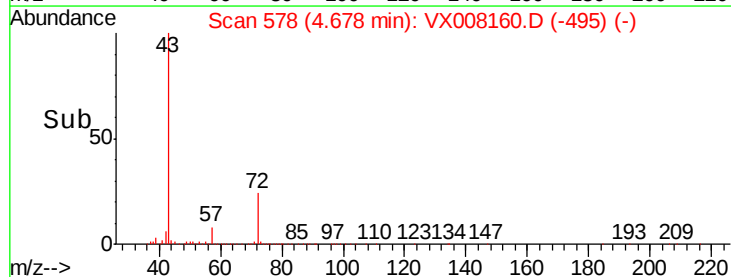
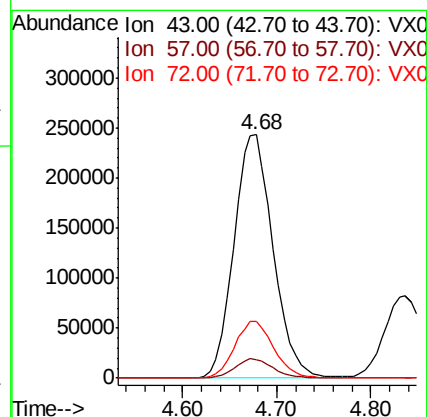
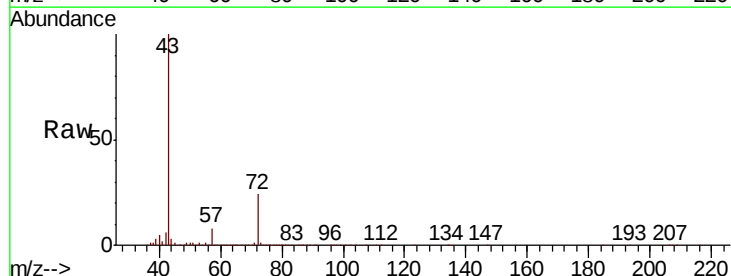
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

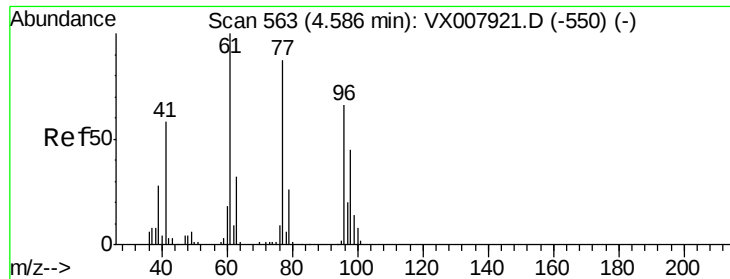
Tgt Ion: 75 Resp: 195613
 Ion Ratio Lower Upper
 75 100
 110 33.4 0.0 80.8
 77 30.5 0.0 62.4



#30
 2-Butanone
 Concen: 235.699 ug/l
 RT: 4.68 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VX008160.D
 Acq: 18 Mar 2019 11:17

Tgt Ion: 43 Resp: 701695
 Ion Ratio Lower Upper
 43 100
 57 7.7 7.0 10.6
 72 23.3 21.5 32.3





#31

2,2-Dichloropropane

Concen: 50.466 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX008160.D

Acq: 18 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

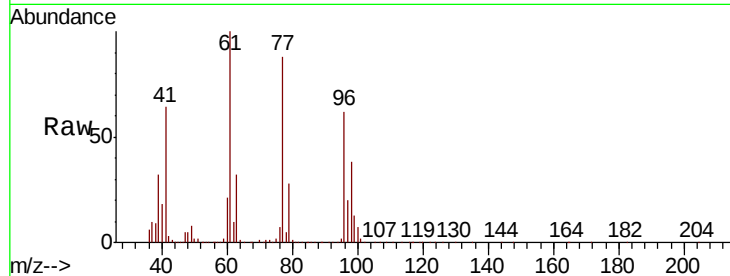
VSTDIC050

Tgt Ion: 77 Resp: 198441

Ion Ratio Lower Upper

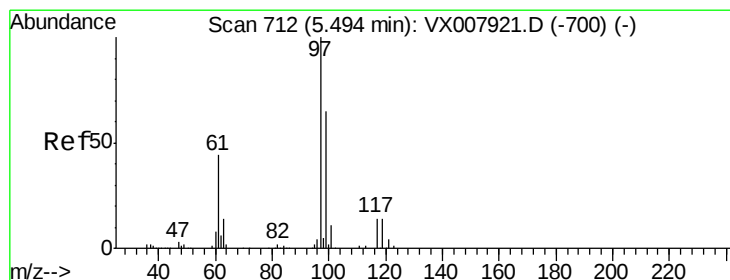
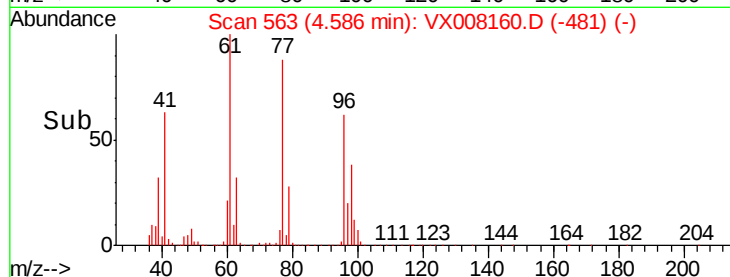
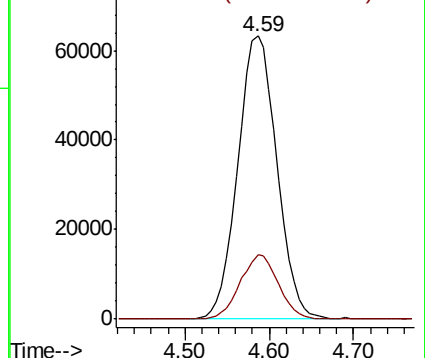
77 100

97 22.5 20.6 31.0



Abundance Ion 77.00 (76.70 to 77.70): VX0

Ion 97.00 (96.70 to 97.70): VX0



#32

1,1,1-Trichloroethane

Concen: 49.483 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX008160.D

Acq: 18 Mar 2019 11:17

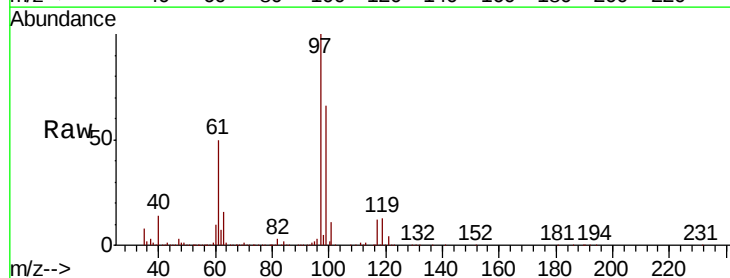
Tgt Ion: 97 Resp: 208720

Ion Ratio Lower Upper

97 100

99 64.6 51.7 77.5

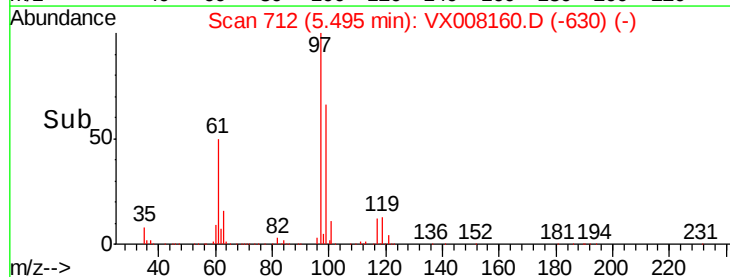
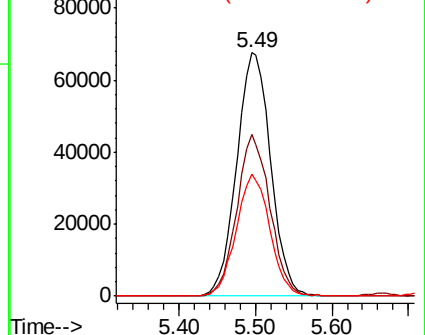
61 49.1 32.8 49.2

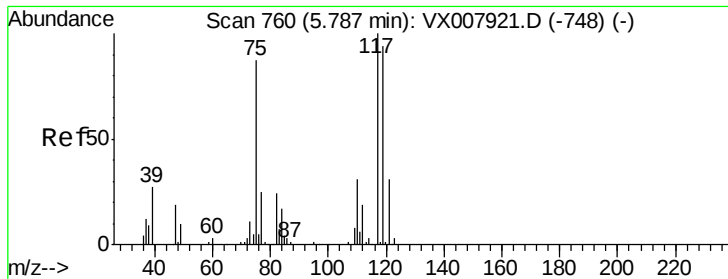


Abundance Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#33

Carbon Tetrachloride

Concen: 51.253 ug/l

RT: 5.79 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX008160.D

Acq: 18 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

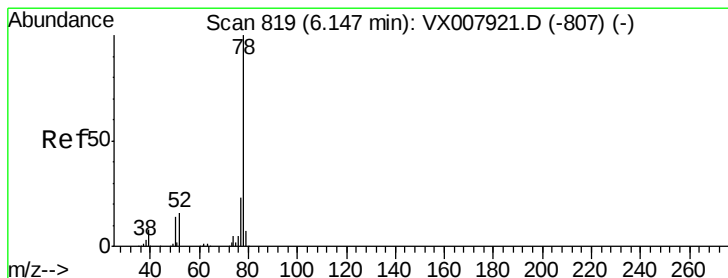
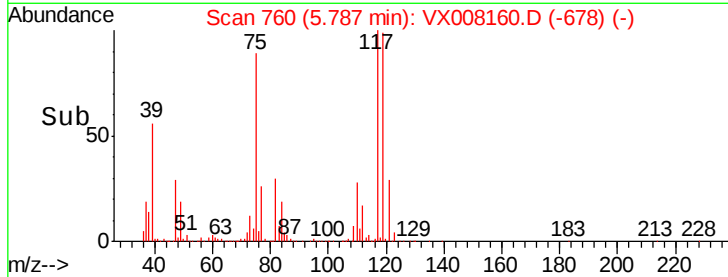
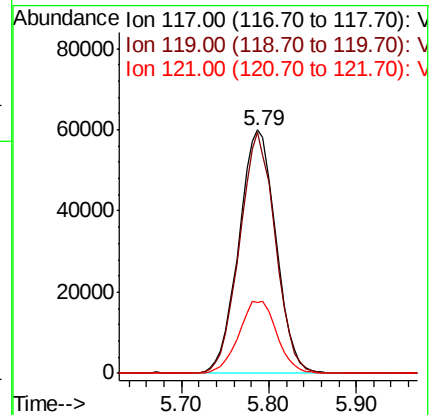
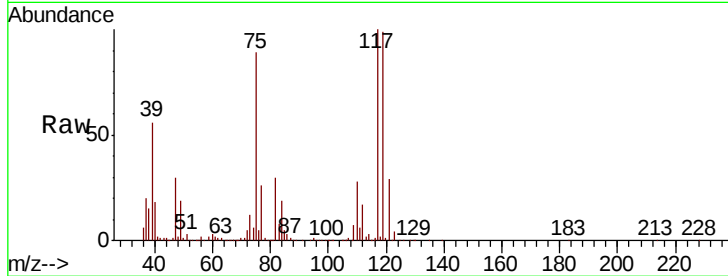
Tgt Ion:117 Resp: 176540

Ion Ratio Lower Upper

117 100

119 98.8 78.1 117.1

121 29.1 27.0 40.6



#34

Benzene

Concen: 49.084 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX008160.D

Acq: 18 Mar 2019 11:17

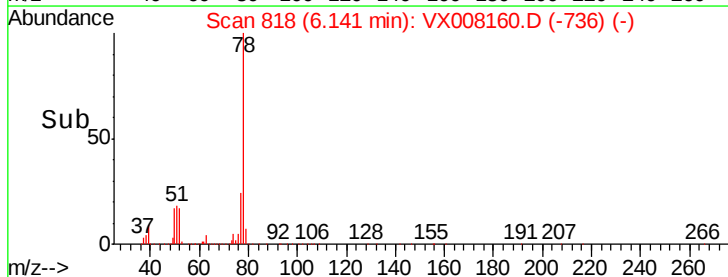
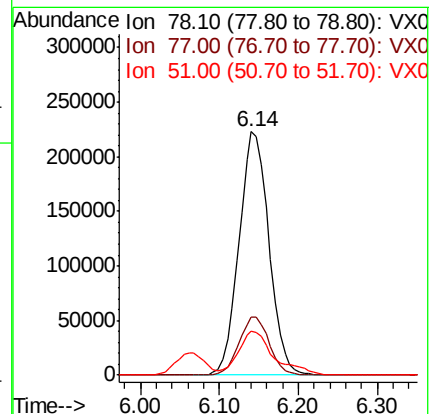
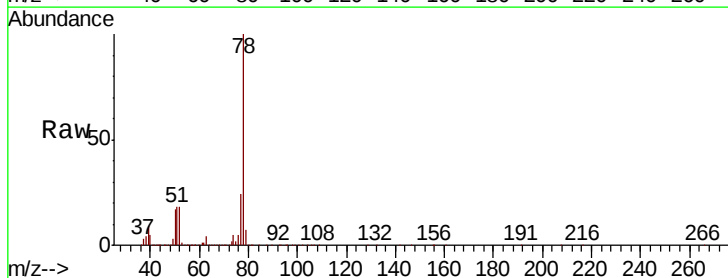
Tgt Ion: 78 Resp: 588438

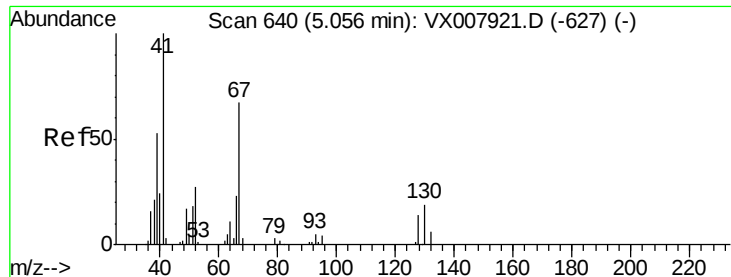
Ion Ratio Lower Upper

78 100

77 23.8 19.1 28.7

51 18.0 10.8 16.2#

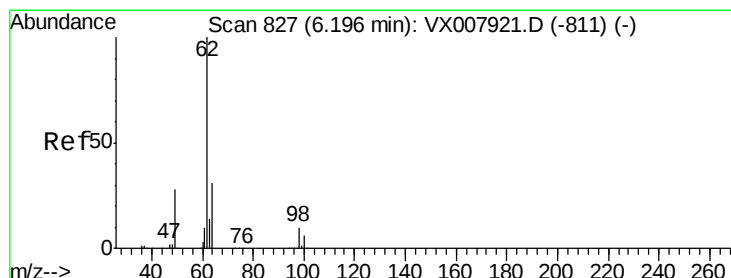
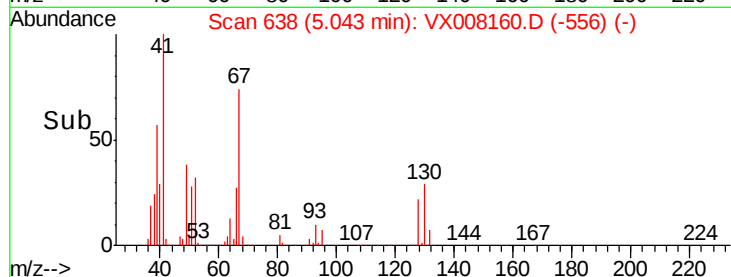
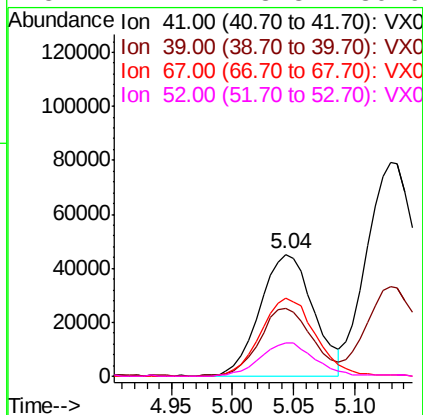
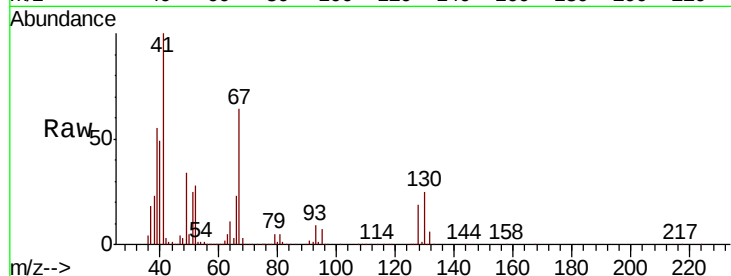




#35
Methacrylonitrile
Concen: 50.423 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX008160.D
Acq: 18 Mar 2019 11:17

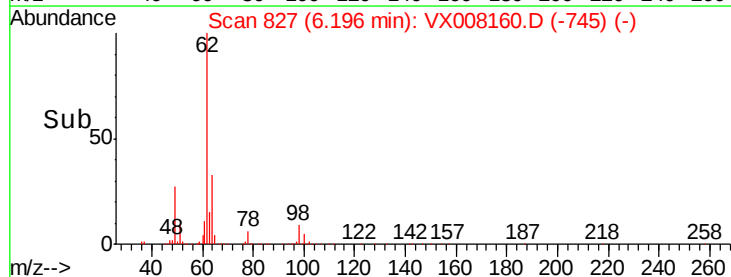
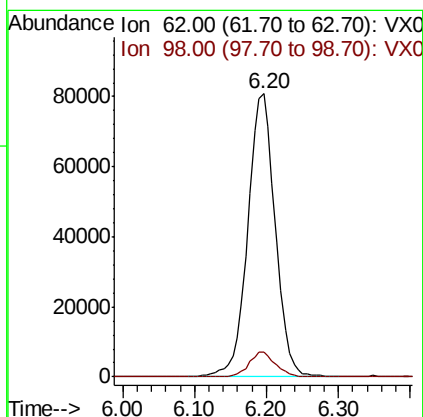
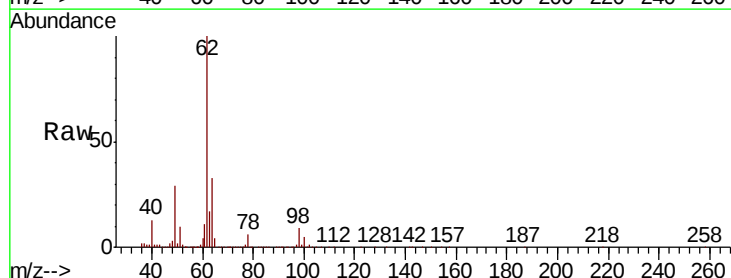
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

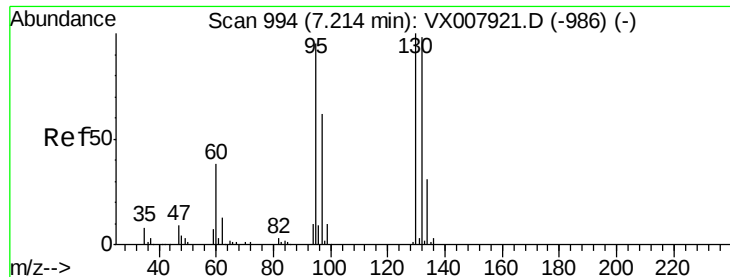
Tgt Ion:	41	Resp:	136885
Ion	Ratio	Lower	Upper
41	100		
39	55.3	27.4	82.0
67	64.4	37.9	113.6
52	27.4	13.3	39.9



#36
1,2-Dichloroethane
Concen: 48.153 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX008160.D
Acq: 18 Mar 2019 11:17

Tgt Ion:	62	Resp:	212360
Ion	Ratio	Lower	Upper
62	100		
98	8.6	7.8	11.8





#37

Trichloroethene

Concen: 49.798 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX008160.D

Acq: 18 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

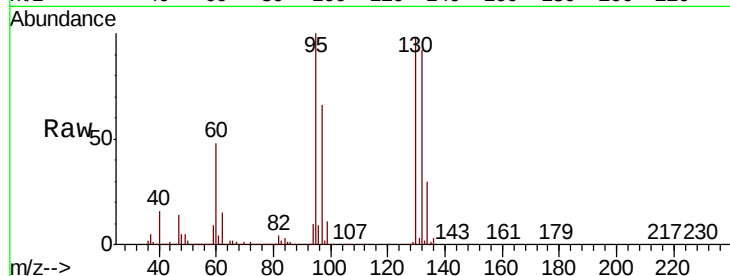
VSTDIC050

Tgt Ion:130 Resp: 140572

Ion Ratio Lower Upper

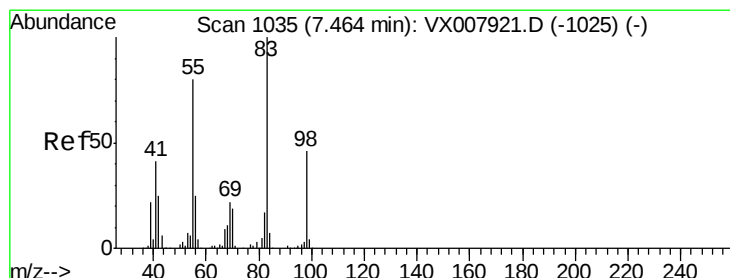
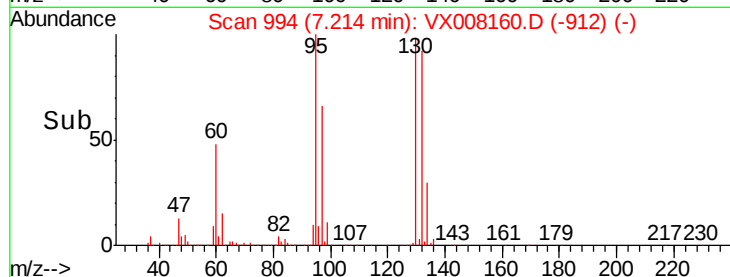
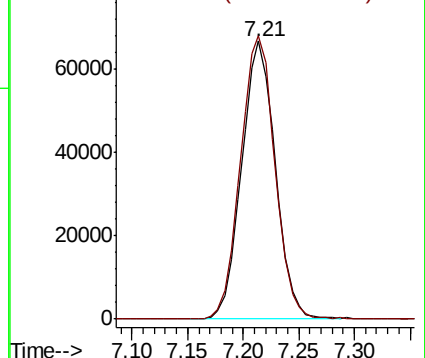
130 100

95 101.9 71.3 106.9



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 50.643 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VX008160.D

Acq: 18 Mar 2019 11:17

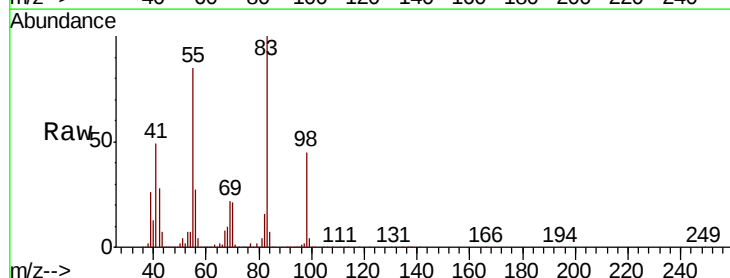
Tgt Ion: 83 Resp: 240576

Ion Ratio Lower Upper

83 100

55 83.9 36.0 108.0

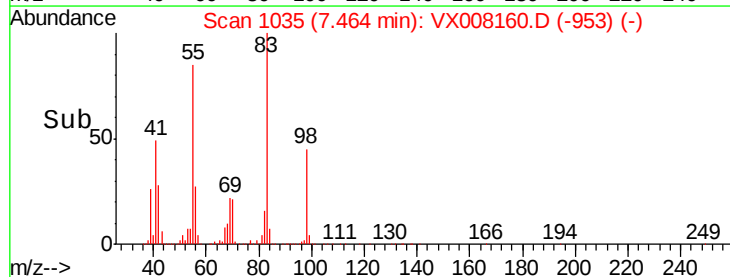
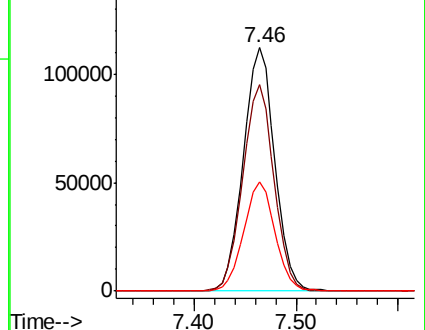
98 44.7 23.8 71.4

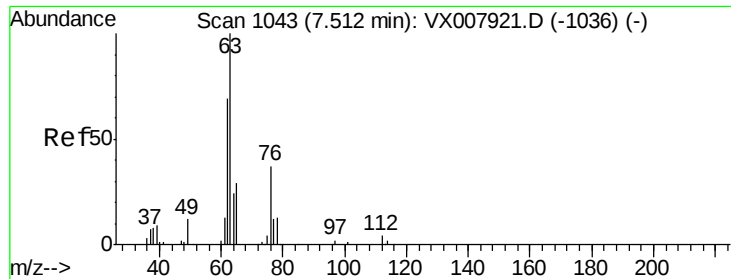


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

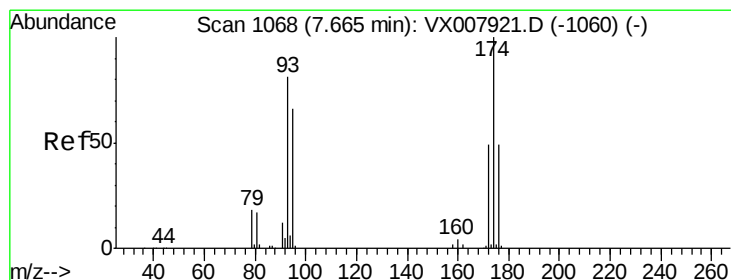
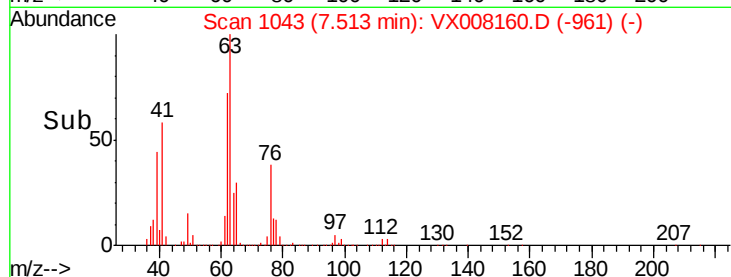
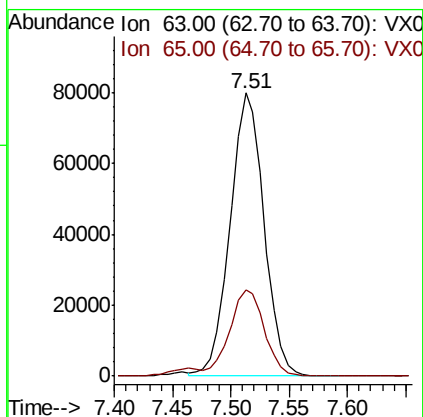
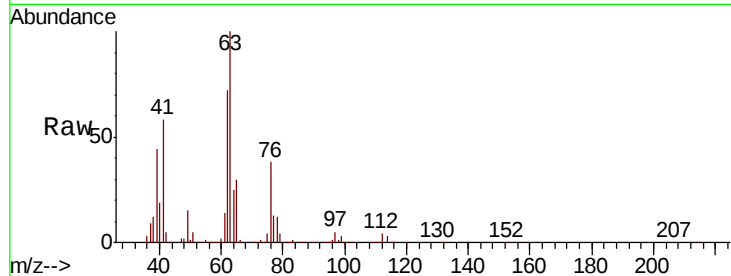




#39
 1,2-Dichloropropane
 Concen: 49.503 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX008160.D
 Acq: 18 Mar 2019 11:17

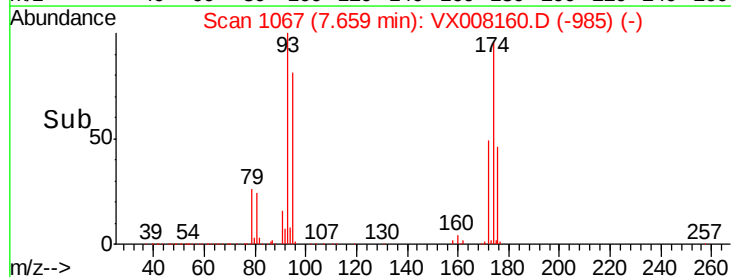
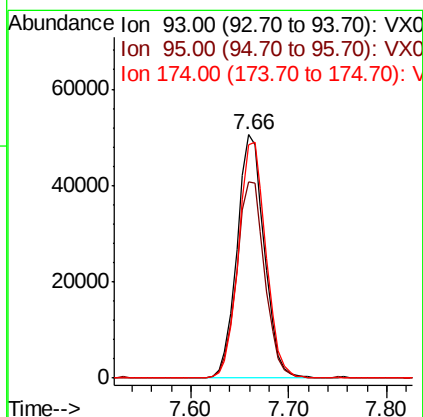
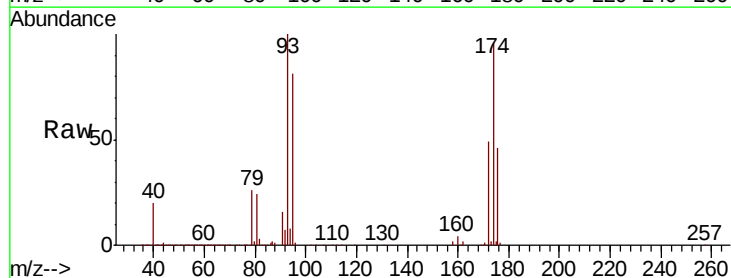
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

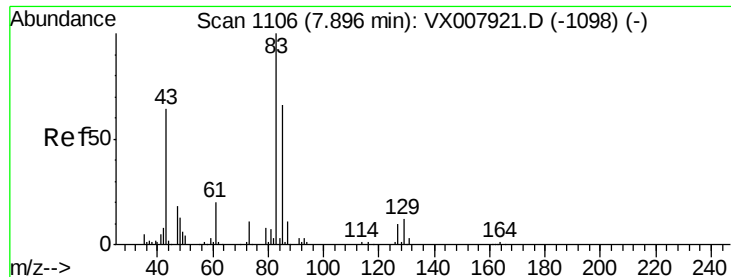
Tgt Ion: 63 Resp: 161370
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.6 37.0



#40
 Dibromomethane
 Concen: 49.032 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX008160.D
 Acq: 18 Mar 2019 11:17

Tgt Ion: 93 Resp: 97699
 Ion Ratio Lower Upper
 93 100
 95 83.1 0.0 158.8
 174 97.3 0.0 224.2





#41

Bromodichloromethane

Concen: 49.860 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008160.D

Acq: 18 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

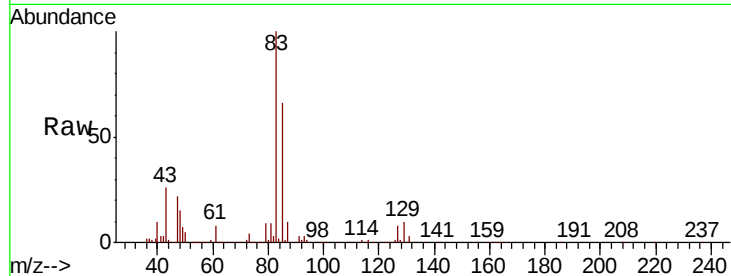
Tgt Ion: 83 Resp: 190911

Ion Ratio Lower Upper

83 100

85 66.1 51.1 76.7

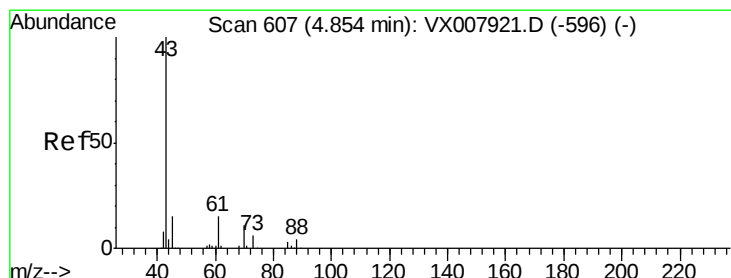
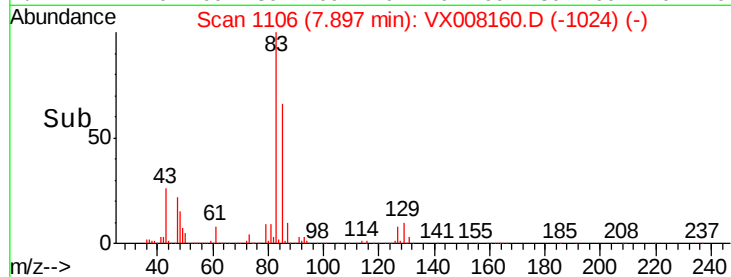
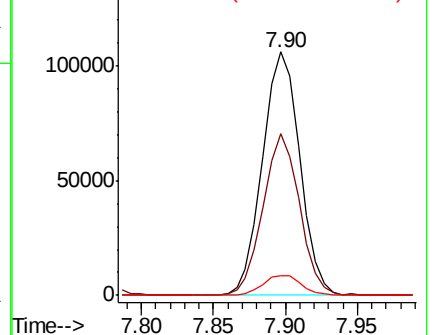
127 8.3 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 127.00 (126.70 to 127.70): V



#43

Ethyl Acetate

Concen: 48.208 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX008160.D

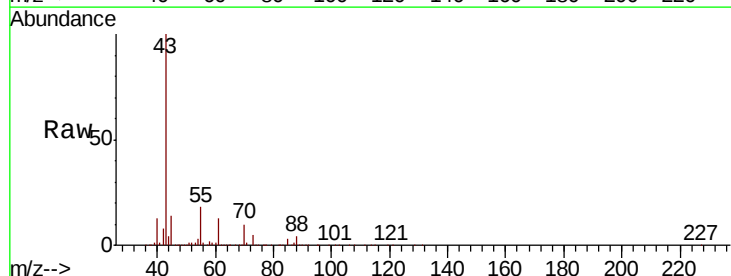
Acq: 18 Mar 2019 11:17

Tgt Ion: 43 Resp: 245696

Ion Ratio Lower Upper

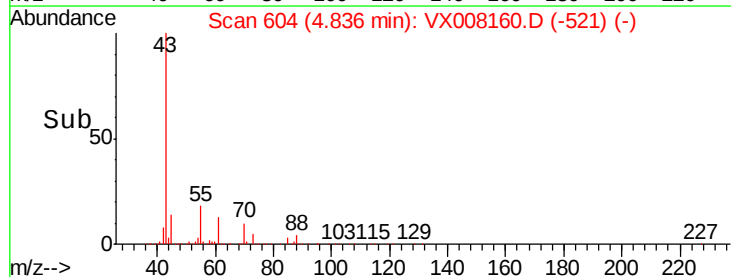
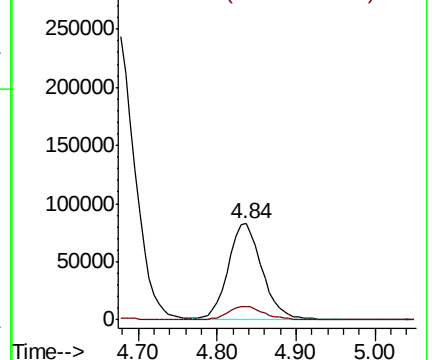
43 100

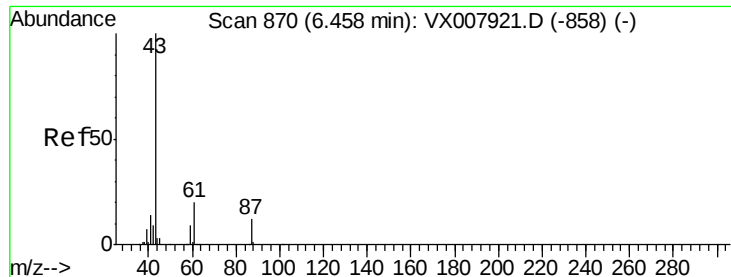
45 14.8 6.9 10.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



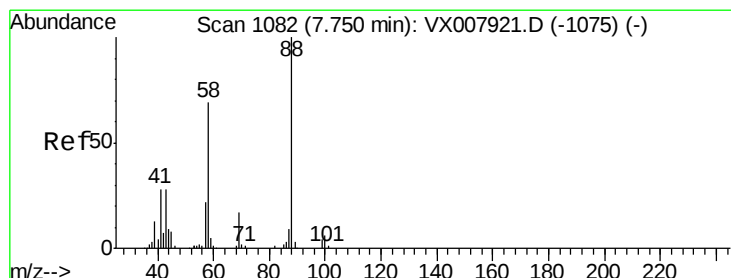
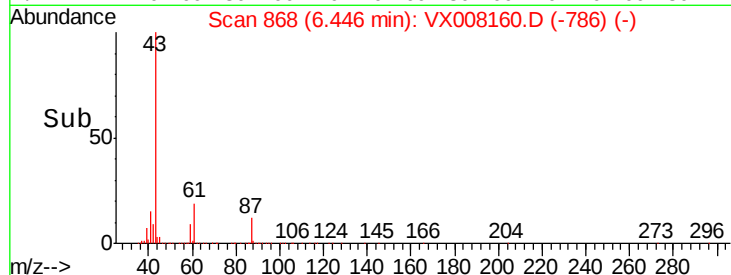
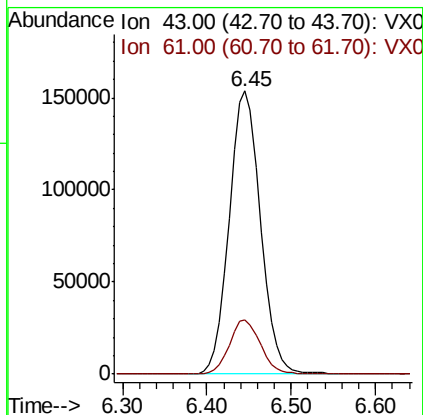
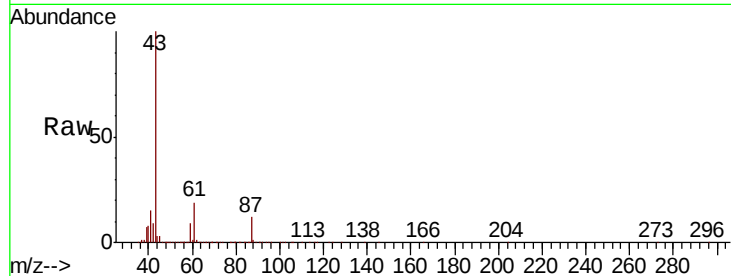


#44

Isopropyl Acetate
 Concen: 50.836 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX008160.D
 Acq: 18 Mar 2019 11:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

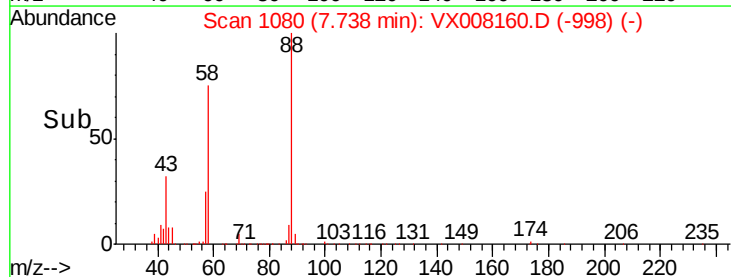
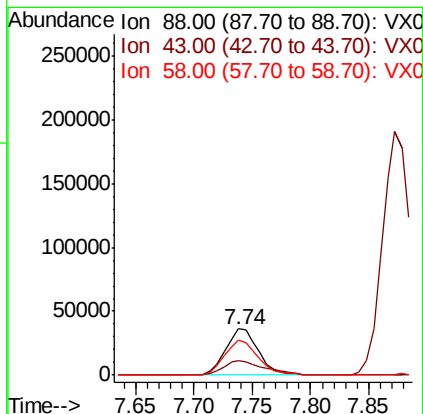
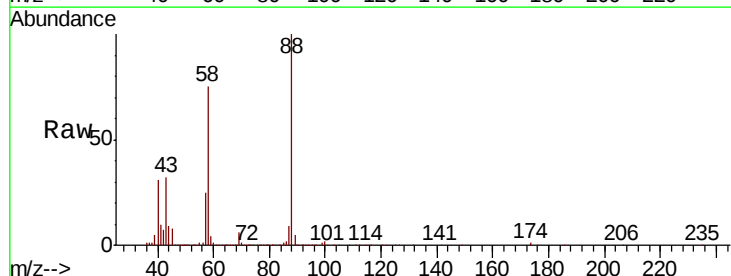
Tgt Ion: 43 Resp: 384930
 Ion Ratio Lower Upper
 43 100
 61 18.9 16.1 24.1

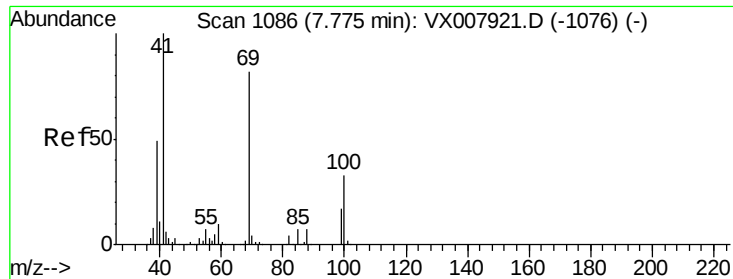


#45

1,4-Dioxane
 Concen: 981.866 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VX008160.D
 Acq: 18 Mar 2019 11:17

Tgt Ion: 88 Resp: 70783
 Ion Ratio Lower Upper
 88 100
 43 36.7 23.6 35.4#
 58 76.3 51.6 77.4

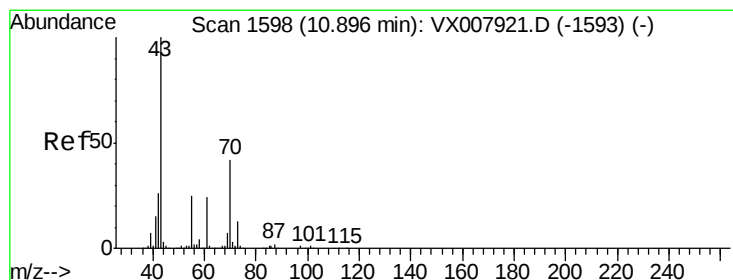
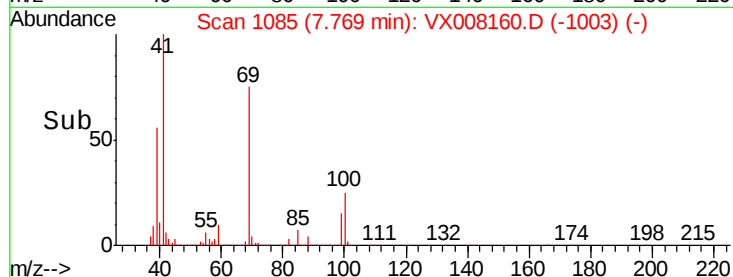
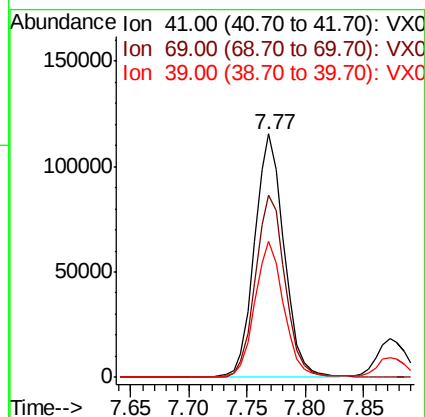
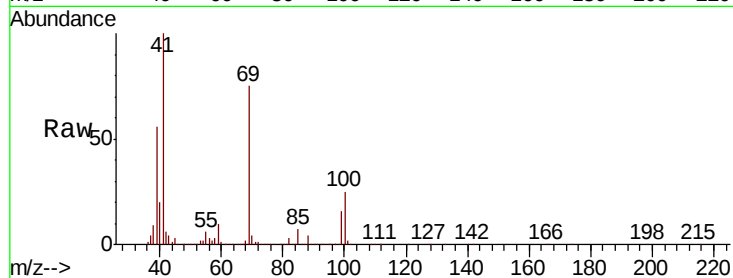




#46
Methyl methacrylate
Concen: 50.700 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VX008160.D
Acq: 18 Mar 2019 11:17

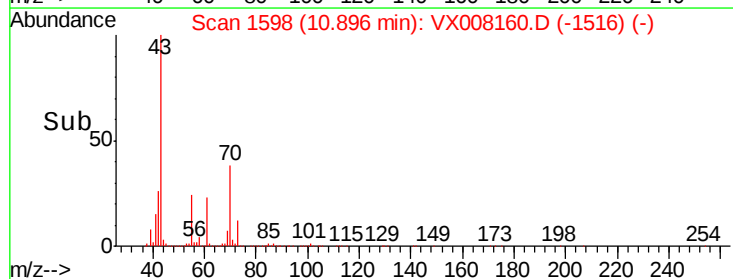
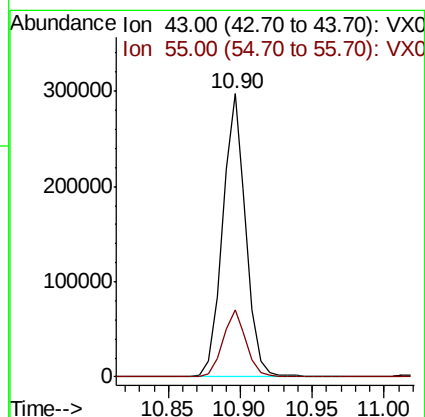
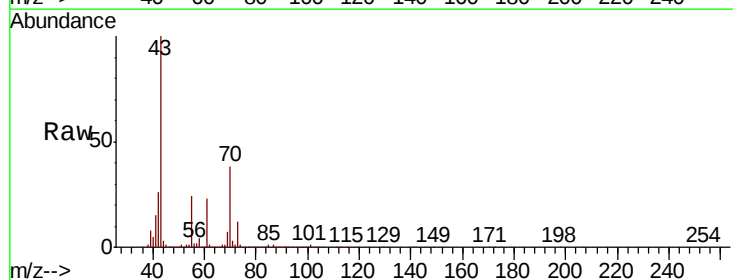
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

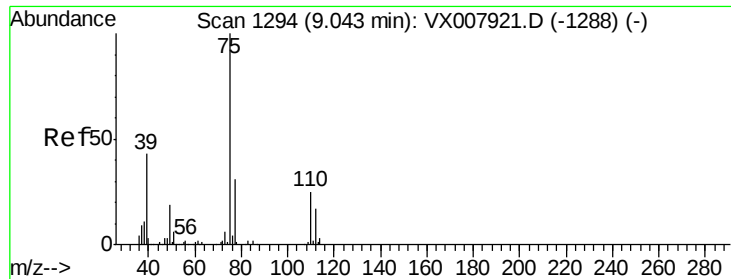
Tgt Ion: 41 Resp: 203800
Ion Ratio Lower Upper
41 100
69 74.6 44.2 132.6
39 55.7 29.9 89.8



#47
n-ethyl acetate
Concen: 50.845 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX008160.D
Acq: 18 Mar 2019 11:17

Tgt Ion: 43 Resp: 333607
Ion Ratio Lower Upper
43 100
55 23.8 20.8 31.2





#48

t-1,3-Dichloropropene

Concen: 53.632 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX008160.D

Acq: 18 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

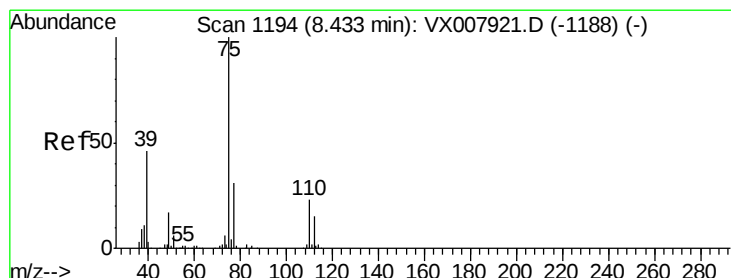
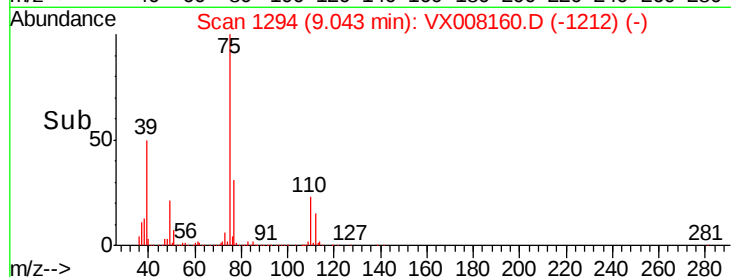
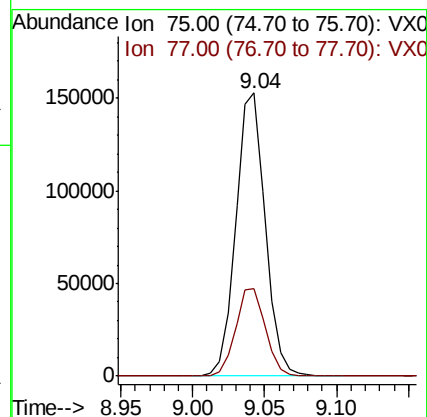
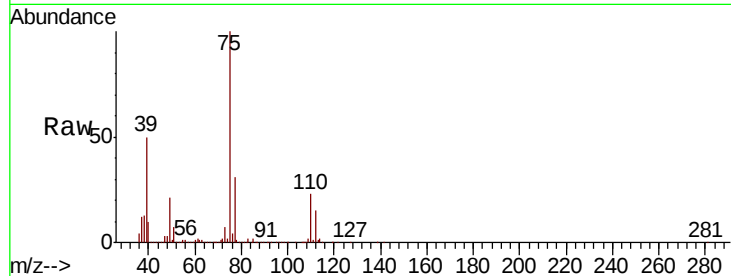
VSTDIC050

Tgt Ion: 75 Resp: 217966

Ion Ratio Lower Upper

75 100

77 30.7 24.5 36.7



#49

cis-1,3-Dichloropropene

Concen: 52.342 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX008160.D

Acq: 18 Mar 2019 11:17

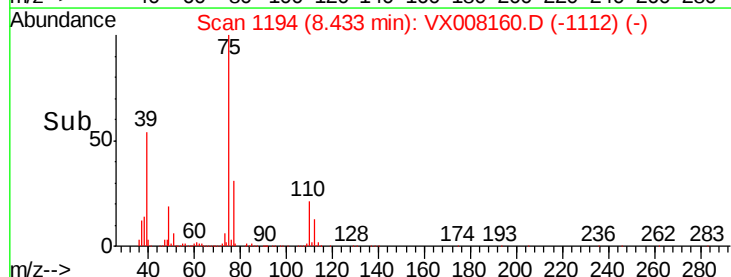
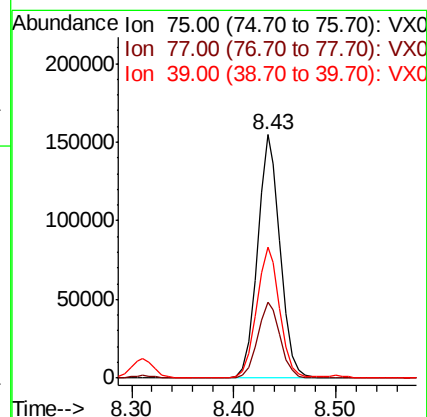
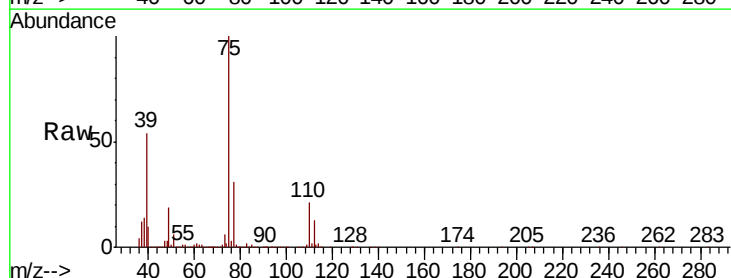
Tgt Ion: 75 Resp: 239109

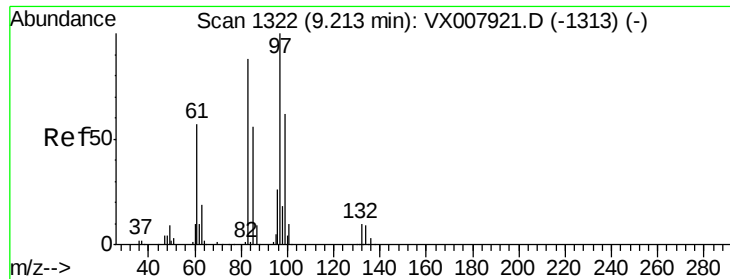
Ion Ratio Lower Upper

75 100

77 31.2 25.0 37.4

39 53.7 38.5 57.7

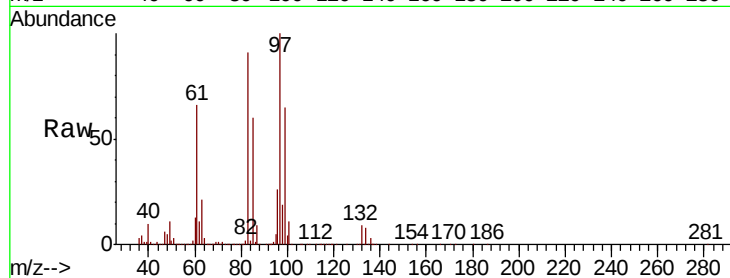




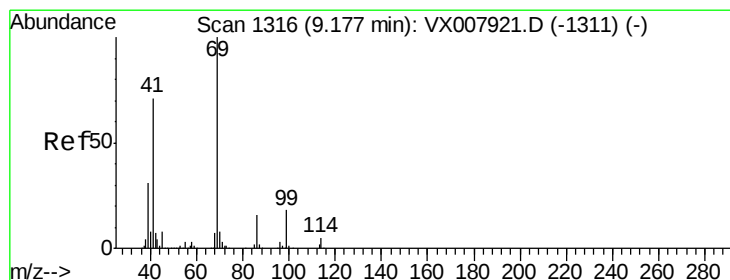
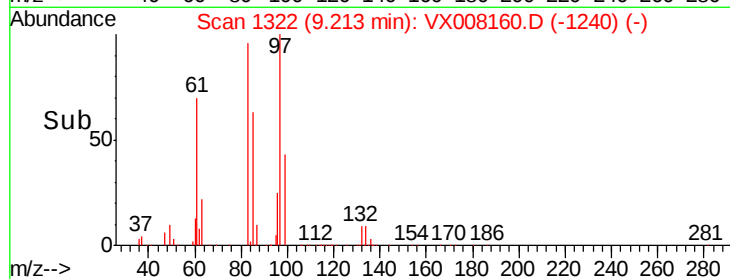
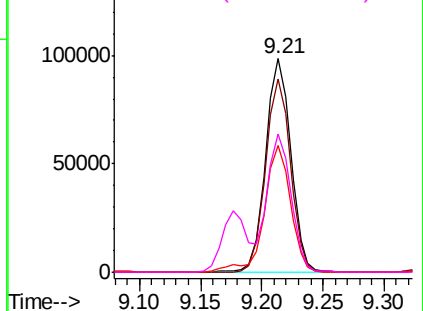
#50
 1,1,2-Trichloroethane
 Concen: 49.634 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008160.D
 Acq: 18 Mar 2019 11:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tgt Ion: 97 Resp: 142330
 Ion Ratio Lower Upper
 97 100
 83 90.6 72.0 108.0
 85 59.6 45.0 67.6
 99 64.7 54.2 81.4

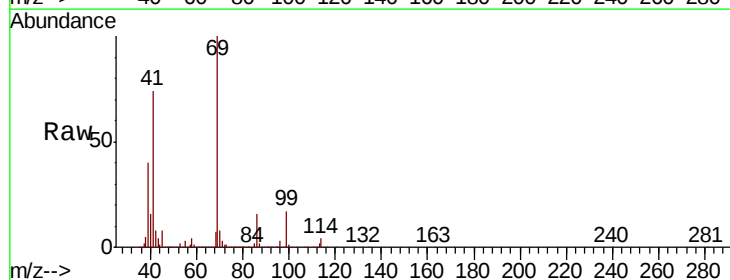


Abundance Ion 97.00 (96.70 to 97.70): VX0
 Ion 82.95 (82.65 to 83.65): VX0
 Ion 84.95 (84.65 to 85.65): VX0
 Ion 98.95 (98.65 to 99.65): VX0

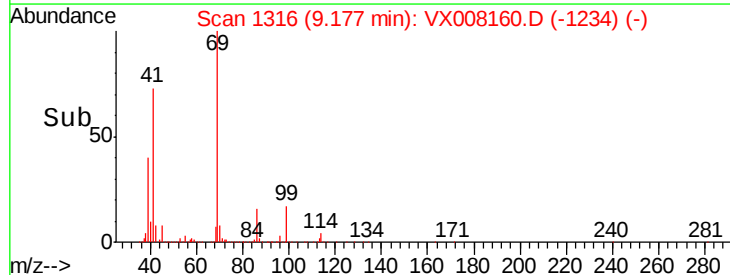
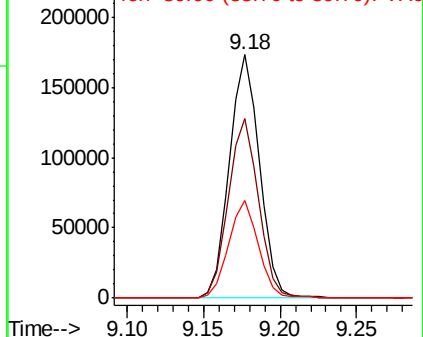


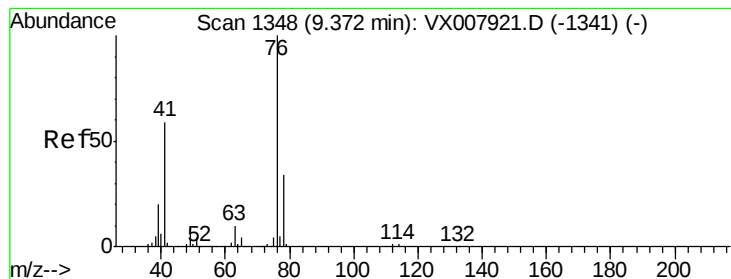
#51
 Ethyl methacrylate
 Concen: 51.366 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX008160.D
 Acq: 18 Mar 2019 11:17

Tgt Ion: 69 Resp: 235262
 Ion Ratio Lower Upper
 69 100
 41 73.8 32.1 96.5
 39 40.1 18.8 56.3



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





#52

1,3-Dichloropropane

Concen: 48.524 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX008160.D

Acq: 18 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

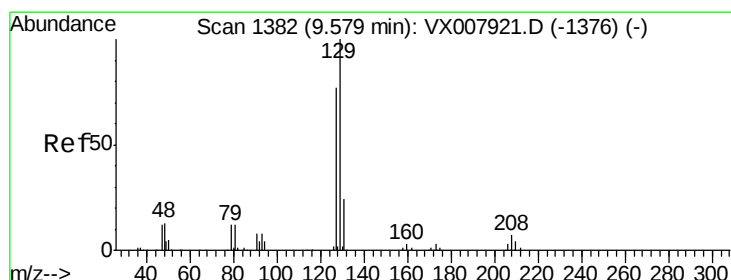
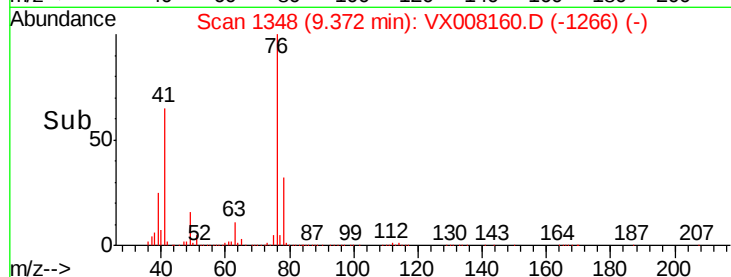
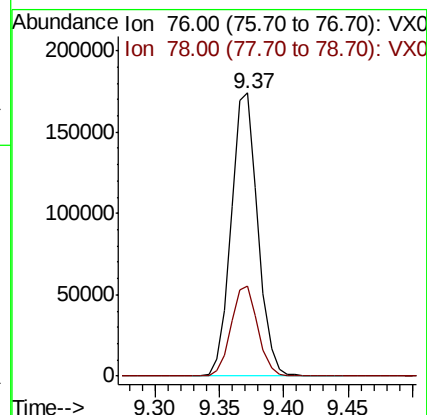
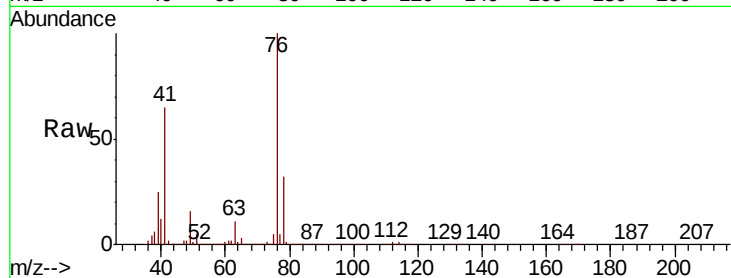
VSTDIC050

Tgt Ion: 76 Resp: 253176

Ion Ratio Lower Upper

76 100

78 31.6 0.0 65.2



#53

Dibromochloromethane

Concen: 51.214 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX008160.D

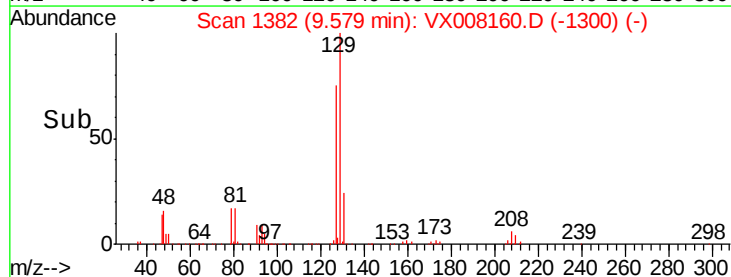
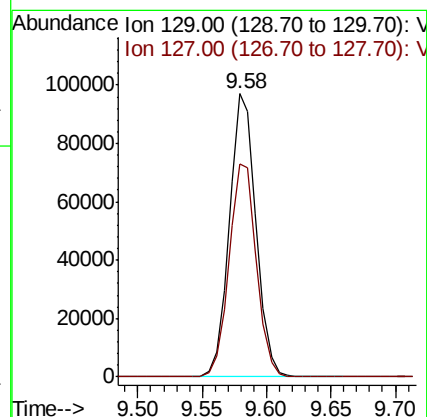
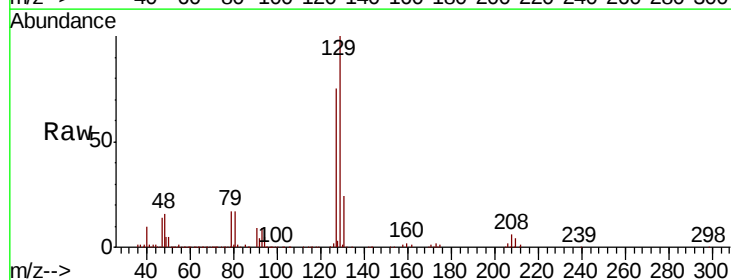
Acq: 18 Mar 2019 11:17

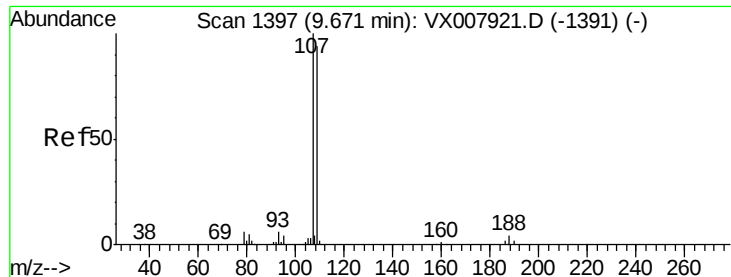
Tgt Ion: 129 Resp: 140218

Ion Ratio Lower Upper

129 100

127 77.4 38.4 115.2

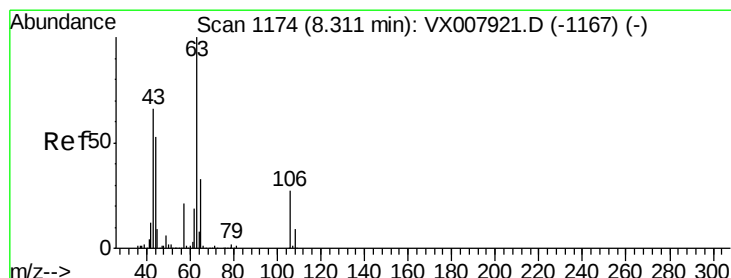
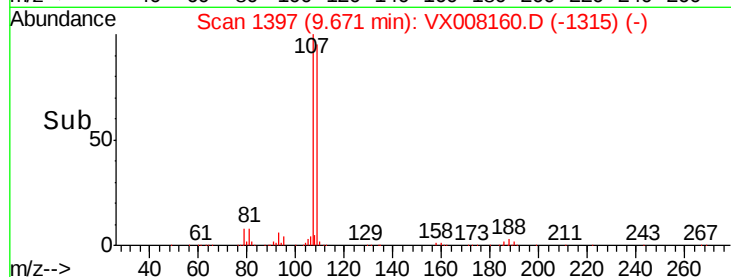
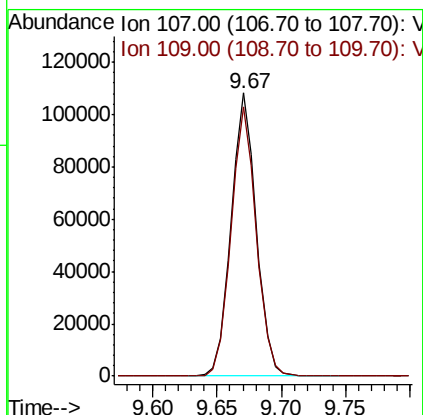
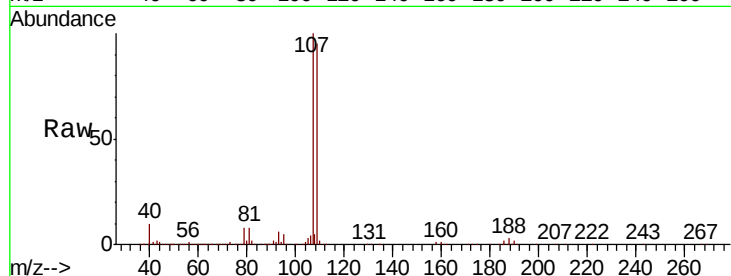




#54
 1,2-Dibromoethane
 Concen: 48.086 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX008160.D
 Acq: 18 Mar 2019 11:17

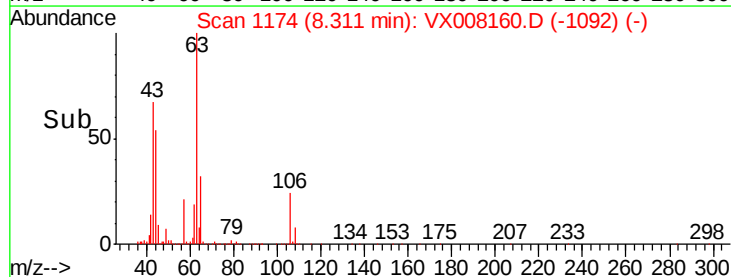
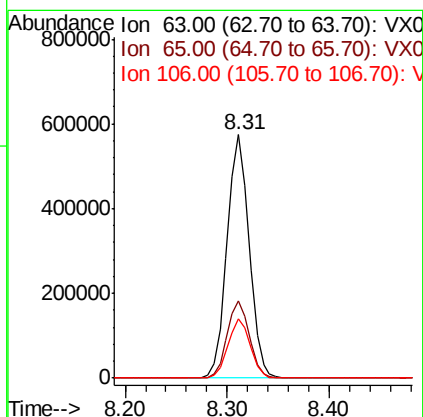
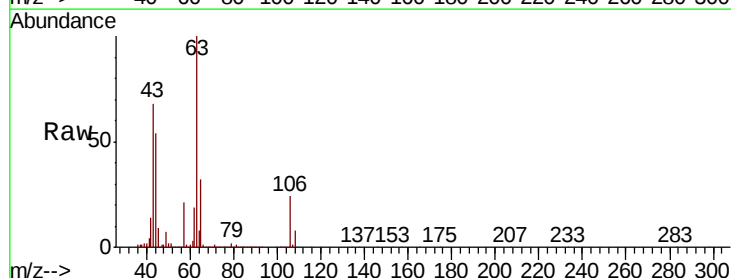
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

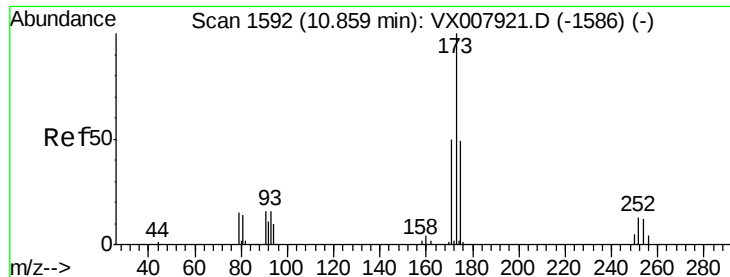
Tgt Ion: 107 Resp: 147682
 Ion Ratio Lower Upper
 107 100
 109 95.3 76.6 115.0



#55
 2-Chloroethyl vinyl ether
 Concen: 250.977 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX008160.D
 Acq: 18 Mar 2019 11:17

Tgt Ion: 63 Resp: 857751
 Ion Ratio Lower Upper
 63 100
 65 31.9 25.7 38.5
 106 24.2 23.7 35.5

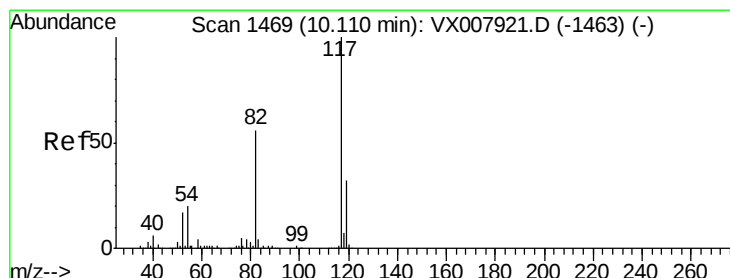
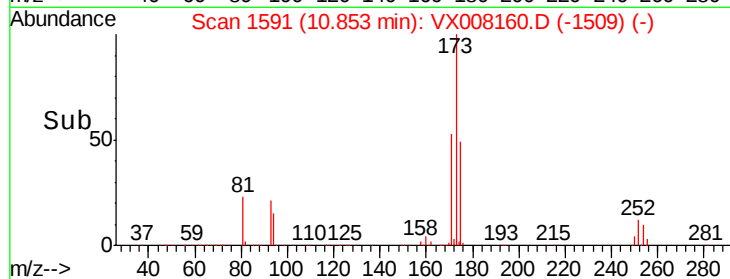
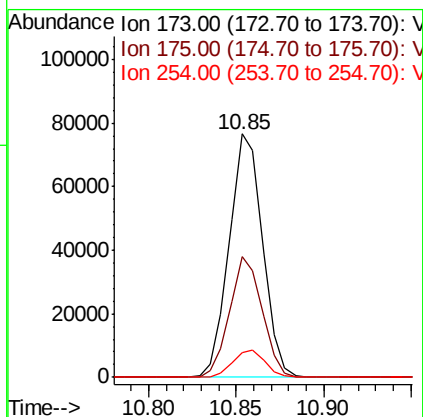
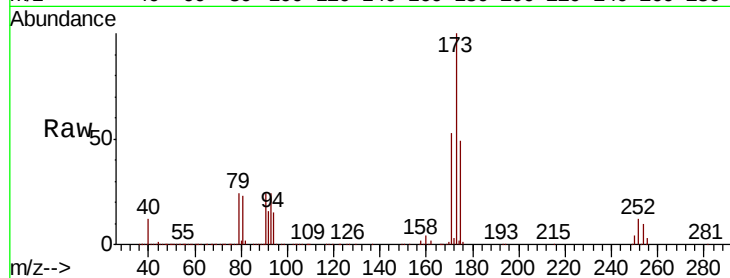




#56
Bromoform
Concen: 52.599 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX008160.D
Acq: 18 Mar 2019 11:17

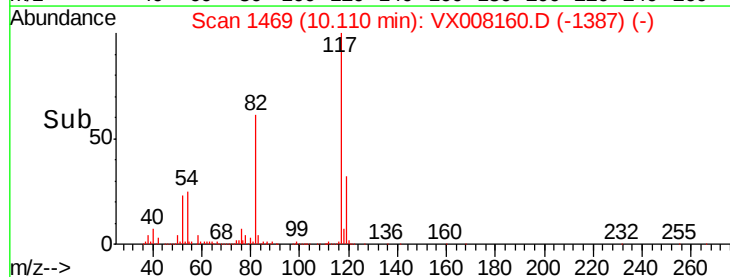
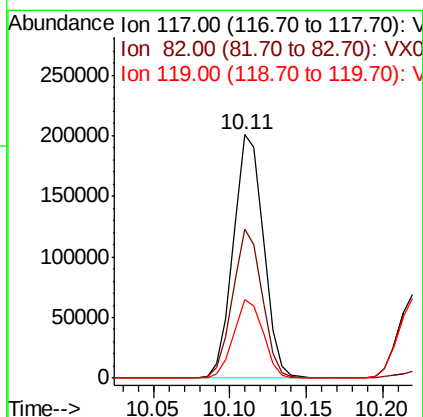
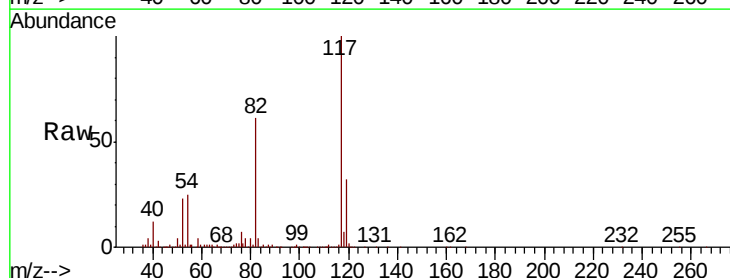
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

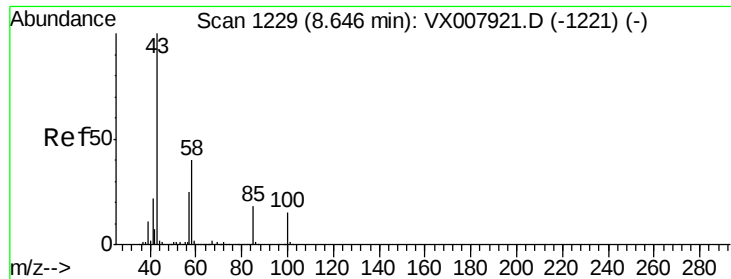
Tgt Ion:173 Resp: 102118
Ion Ratio Lower Upper
173 100
175 48.2 38.5 57.7
254 11.2 7.4 11.2#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008160.D
Acq: 18 Mar 2019 11:17

Tgt Ion:117 Resp: 274421
Ion Ratio Lower Upper
117 100
82 59.8 40.4 60.6
119 31.7 25.8 38.6

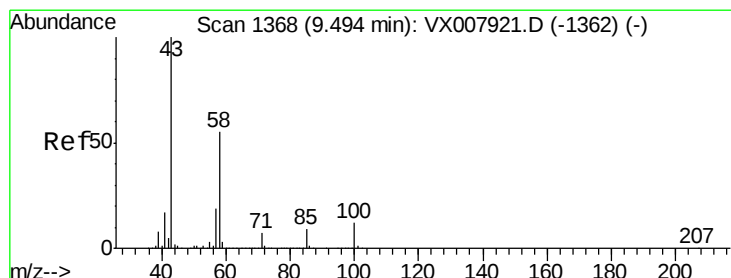
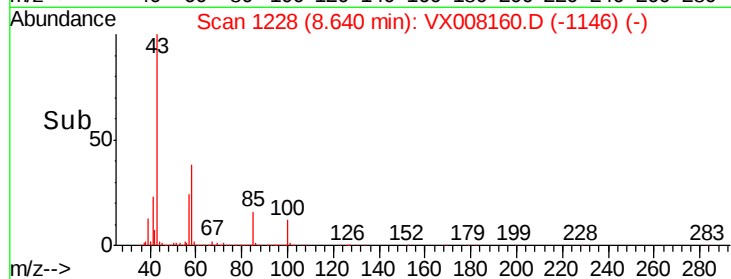
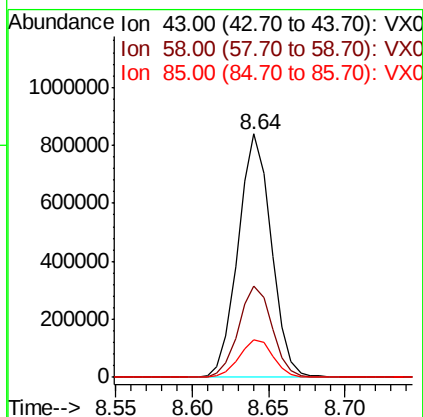
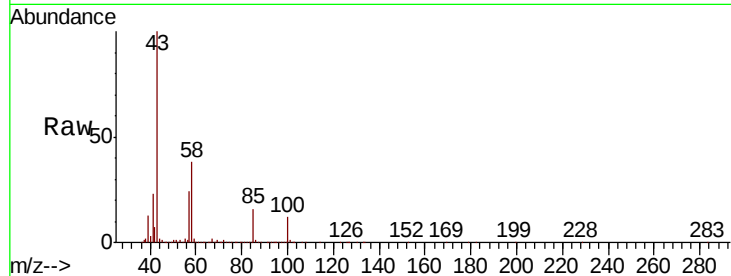




#58
 4-Methyl-2-Pentanone
 Concen: 242.784 ug/l
 RT: 8.64 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VX008160.D
 Acq: 18 Mar 2019 11:17

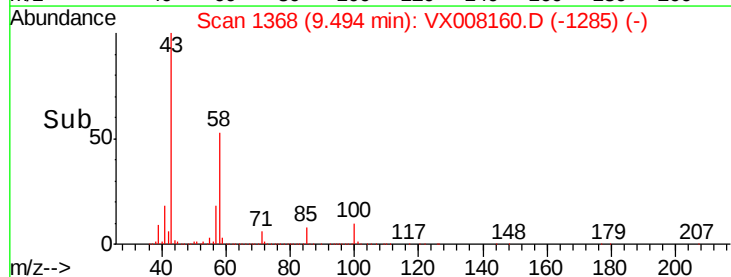
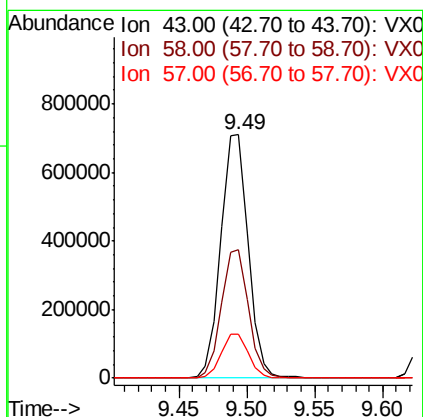
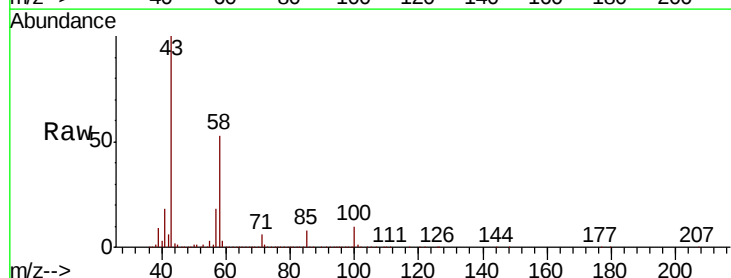
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC050

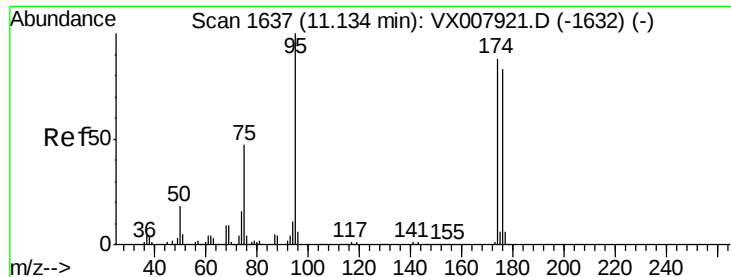
Tgt Ion: 43 Resp: 1268252
 Ion Ratio Lower Upper
 43 100
 58 37.7 31.4 47.0
 85 15.7 15.0 22.6



#59
 2-Hexanone
 Concen: 234.182 ug/l
 RT: 9.49 min Scan# 1368
 Delta R.T. 0.01 min
 Lab File: VX008160.D
 Acq: 18 Mar 2019 11:17

Tgt Ion: 43 Resp: 996816
 Ion Ratio Lower Upper
 43 100
 58 52.1 43.9 65.9
 57 17.9 14.9 22.3





#60

4-Bromofluorobenzene

Concen: 29.787 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008160.D

Acq: 18 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

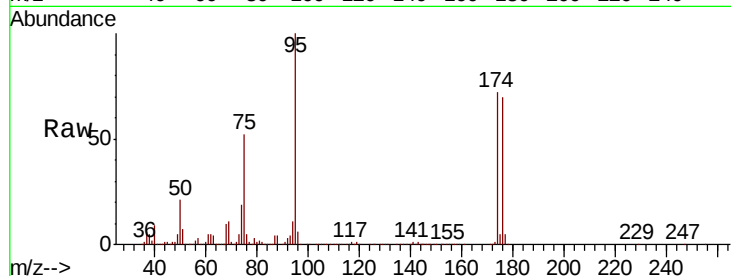
Tgt Ion: 95 Resp: 137455

Ion Ratio Lower Upper

95 100

174 78.1 74.9 112.3

176 76.3 70.7 106.1

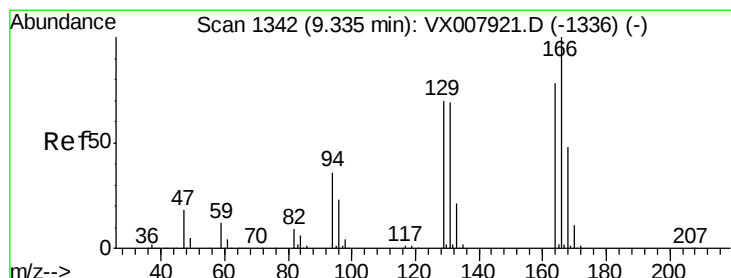
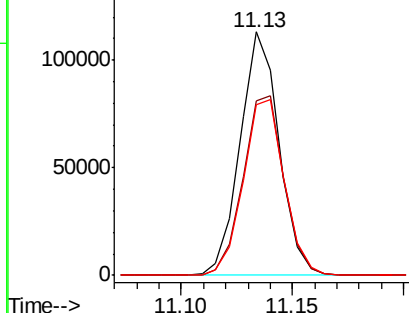
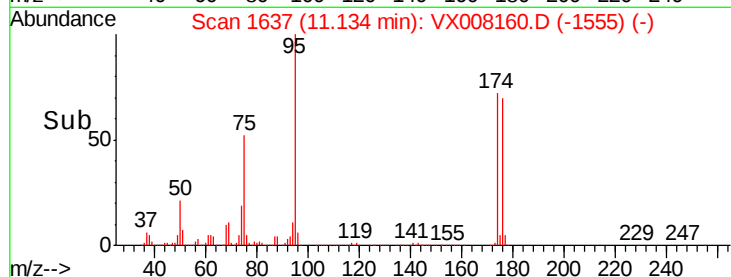


Abundance

Ion 95.00 (94.70 to 95.70): VX008160.D (-1555) (-)

Ion 174.00 (173.70 to 174.70): VX008160.D (-1555) (-)

Ion 176.00 (175.70 to 176.70): VX008160.D (-1555) (-)



#61

Tetrachloroethene

Concen: 48.024 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX008160.D

Acq: 18 Mar 2019 11:17

Tgt Ion: 164 Resp: 129802

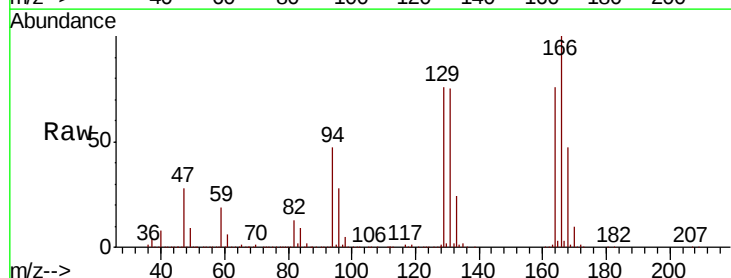
Ion Ratio Lower Upper

164 100

166 130.7 103.9 155.9

129 99.4 74.7 112.1

131 98.3 71.7 107.5



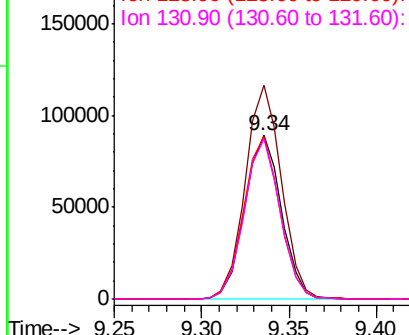
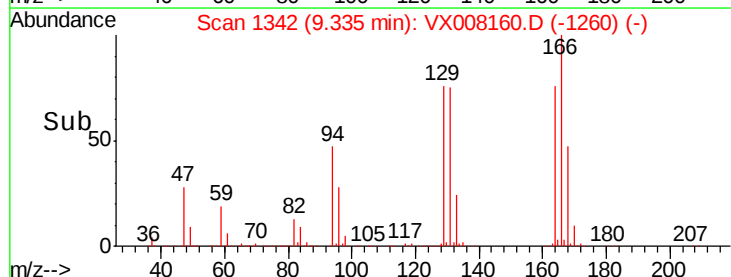
Abundance

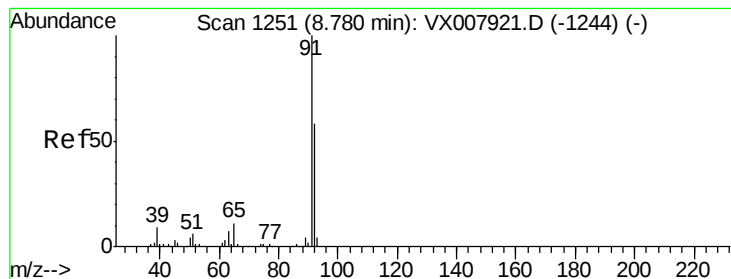
Ion 163.85 (163.55 to 164.55): VX008160.D (-1260) (-)

Ion 165.80 (165.50 to 166.50): VX008160.D (-1260) (-)

Ion 128.90 (128.60 to 129.60): VX008160.D (-1260) (-)

Ion 130.90 (130.60 to 131.60): VX008160.D (-1260) (-)





#62

Toluene

Concen: 49.085 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX008160.D

Acq: 18 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

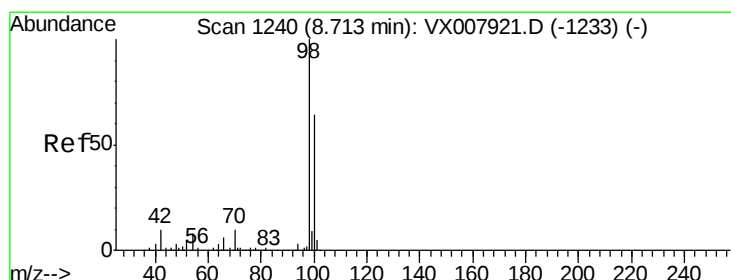
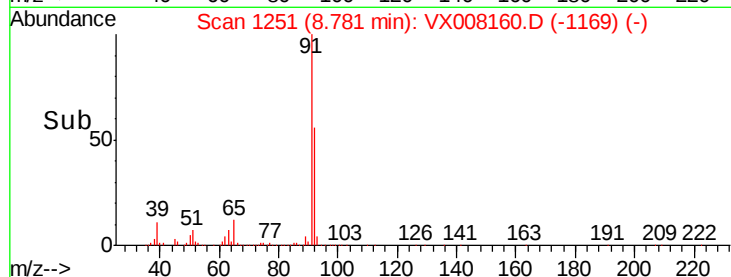
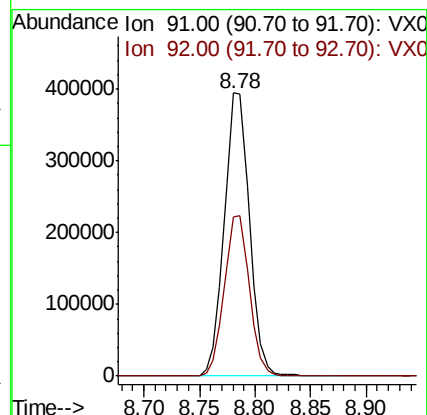
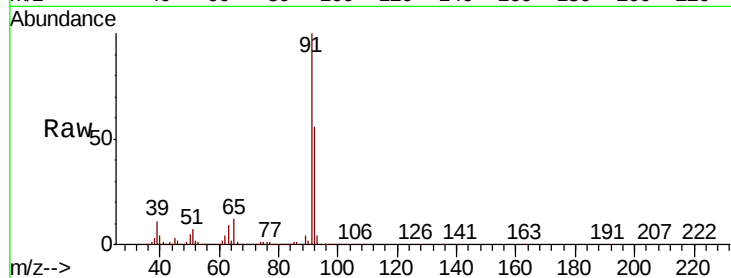
VSTDIC050

Tgt Ion: 91 Resp: 618791

Ion Ratio Lower Upper

91 100

92 56.6 46.4 69.6



#63

Toluene-d8

Concen: 29.724 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008160.D

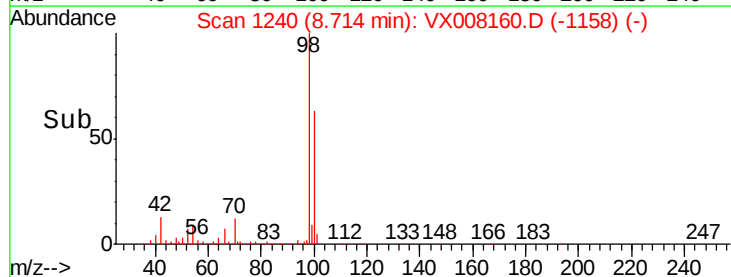
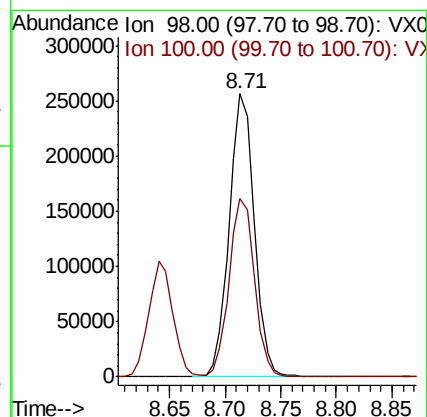
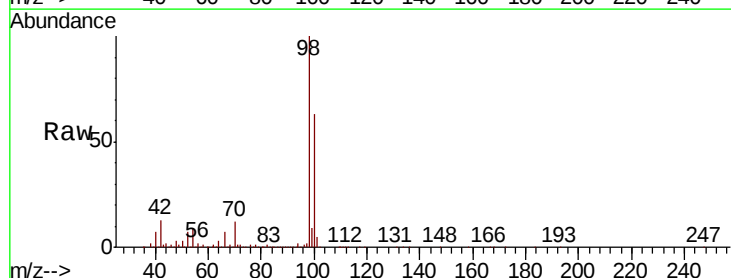
Acq: 18 Mar 2019 11:17

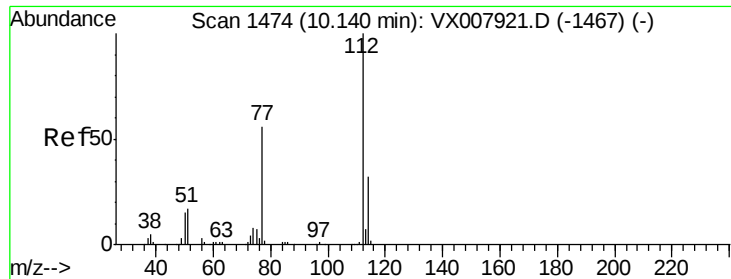
Tgt Ion: 98 Resp: 400198

Ion Ratio Lower Upper

98 100

100 63.6 50.9 76.3

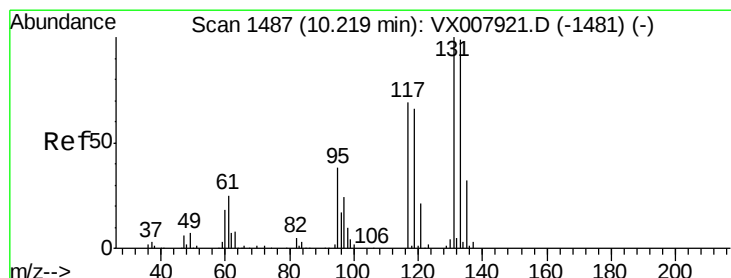
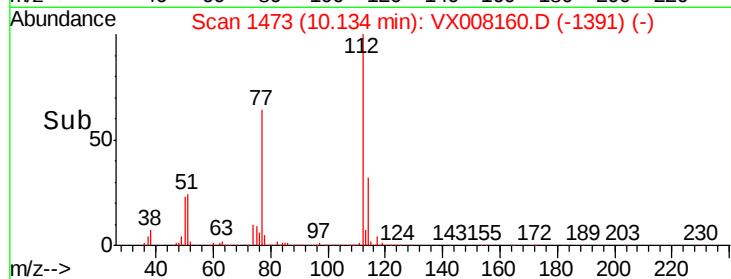
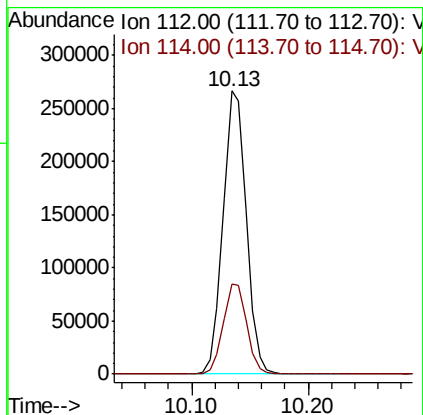
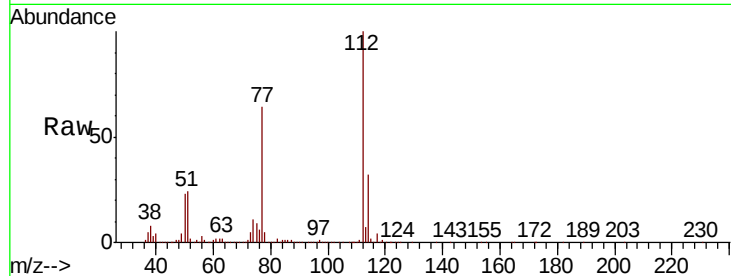




#64
Chlorobenzene
Concen: 48.843 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX008160.D
Acq: 18 Mar 2019 11:17

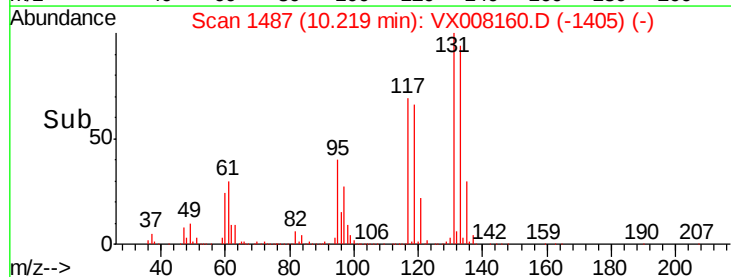
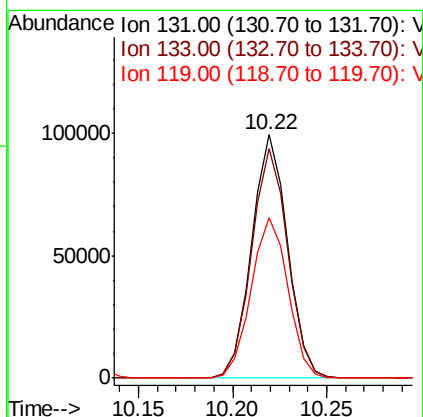
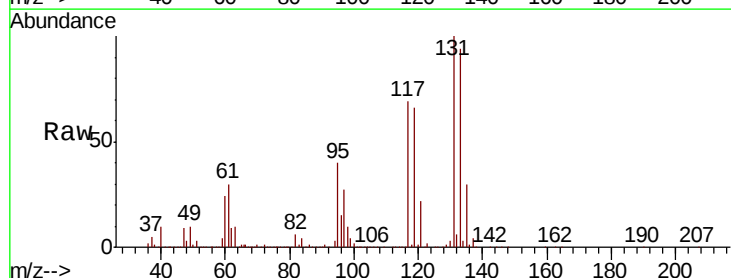
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

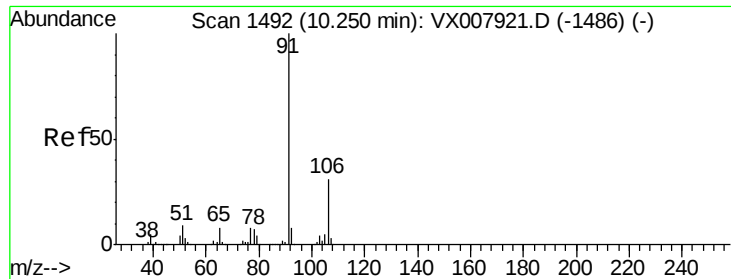
Tgt Ion:112 Resp: 368372
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.2



#65
1,1,1,2-Tetrachloroethane
Concen: 50.674 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX008160.D
Acq: 18 Mar 2019 11:17

Tgt Ion:131 Resp: 131238
Ion Ratio Lower Upper
131 100
133 95.3 0.0 191.6
119 67.7 0.0 127.4





#66

Ethyl Benzene

Concen: 50.132 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX008160.D

Acq: 18 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

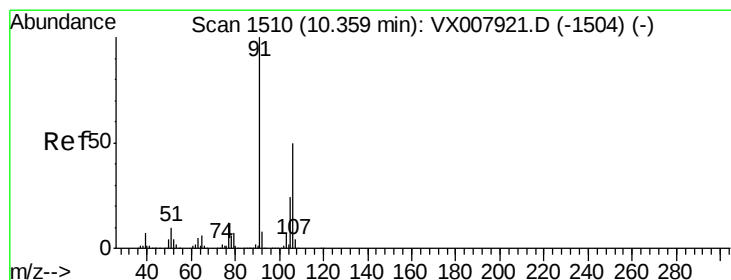
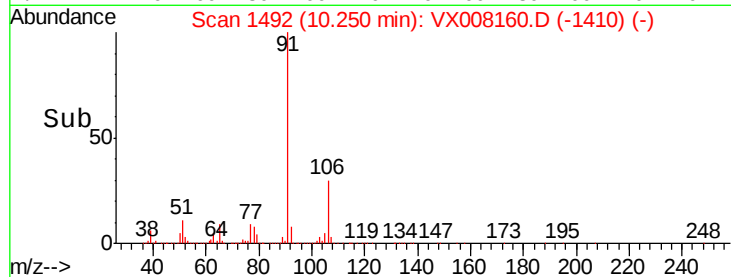
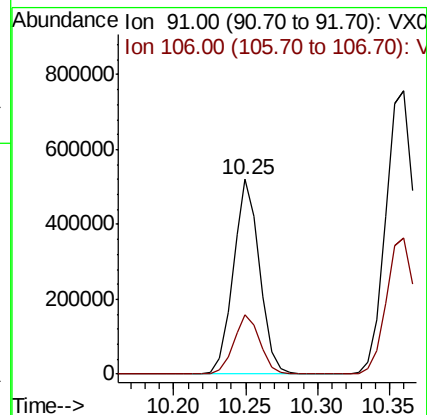
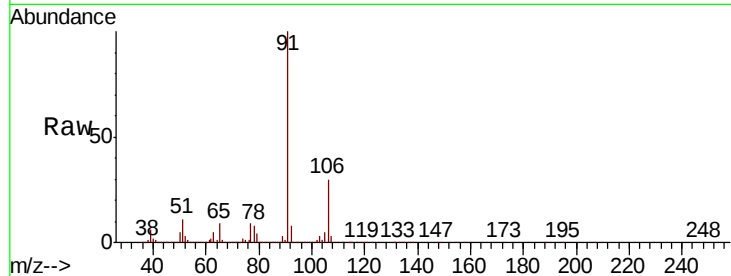
VSTDIC050

Tgt Ion: 91 Resp: 665076

Ion Ratio Lower Upper

91 100

106 30.2 26.0 39.0



#67

m/p-Xylenes

Concen: 100.412 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX008160.D

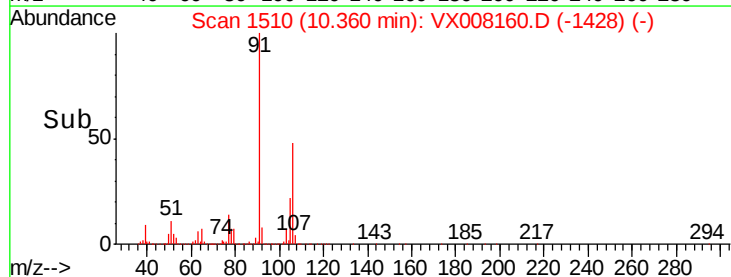
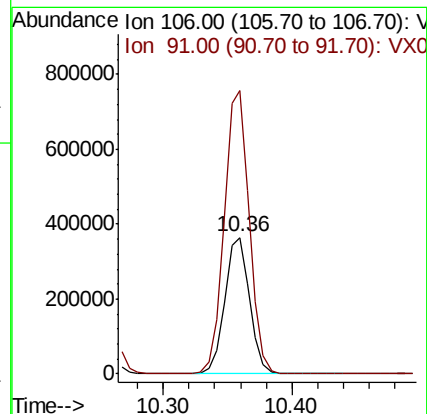
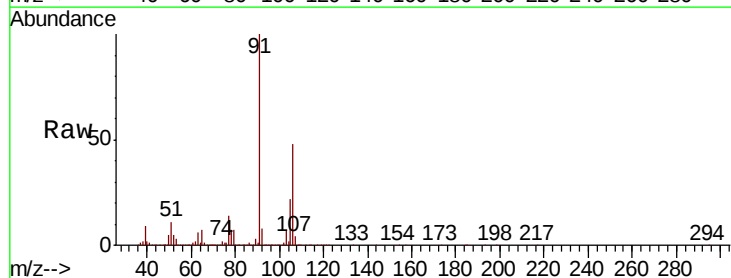
Acq: 18 Mar 2019 11:17

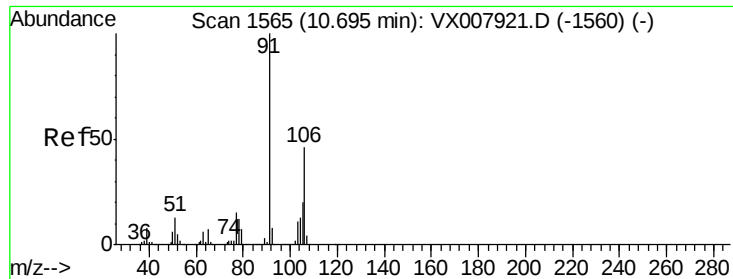
Tgt Ion: 106 Resp: 492444

Ion Ratio Lower Upper

106 100

91 210.1 157.0 235.4

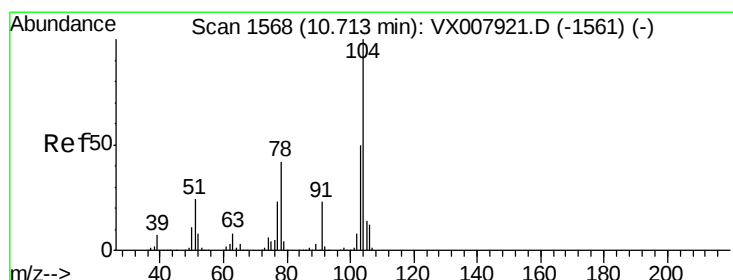
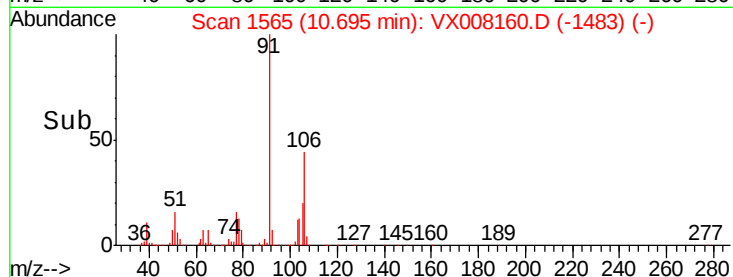
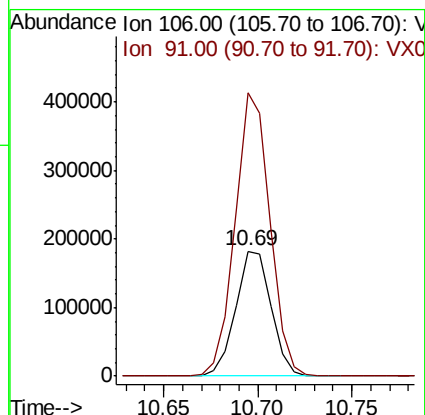
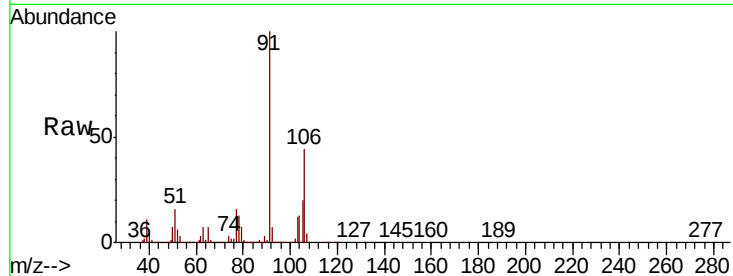




#68
o-Xylene
Concen: 50.173 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX008160.D
Acq: 18 Mar 2019 11:17

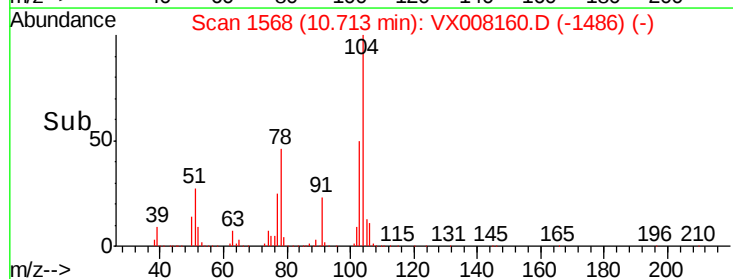
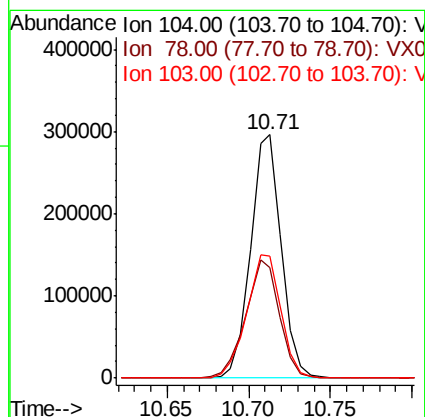
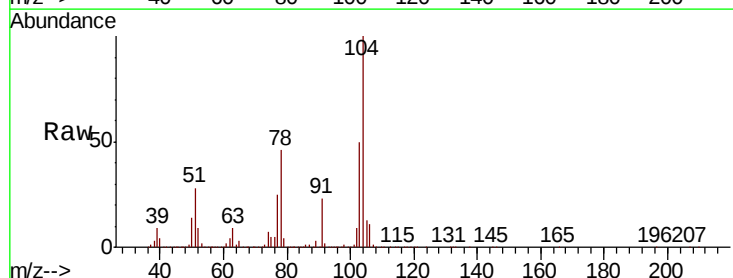
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

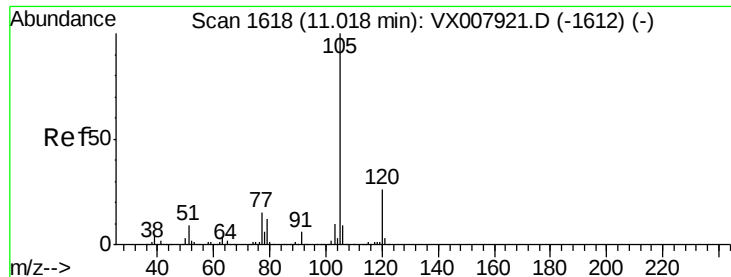
Tgt Ion:106 Resp: 237459
Ion Ratio Lower Upper
106 100
91 222.4 104.4 313.2



#69
Styrene
Concen: 50.451 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008160.D
Acq: 18 Mar 2019 11:17

Tgt Ion:104 Resp: 387686
Ion Ratio Lower Upper
104 100
78 53.5 38.2 57.2
103 56.6 45.0 67.4





#70

Isopropylbenzene

Concen: 50.076 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008160.D

Acq: 18 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

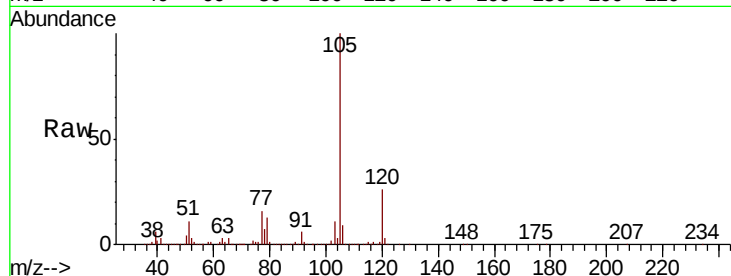
VSTDIC050

Tgt Ion: 105 Resp: 639362

Ion Ratio Lower Upper

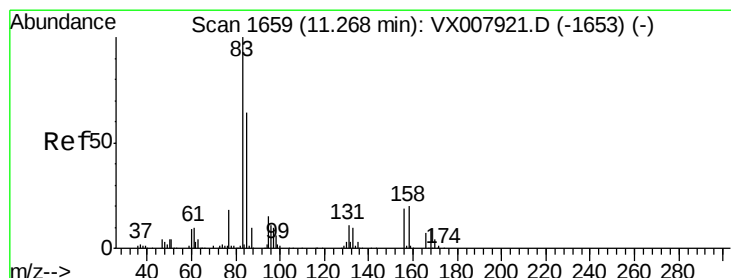
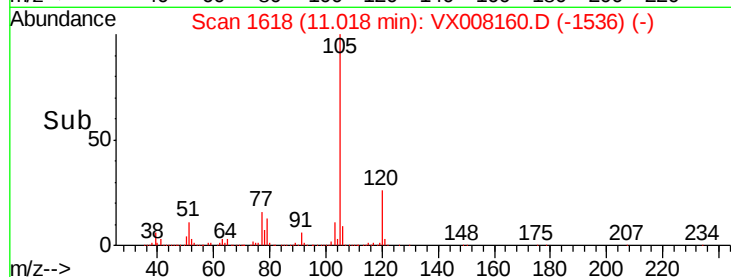
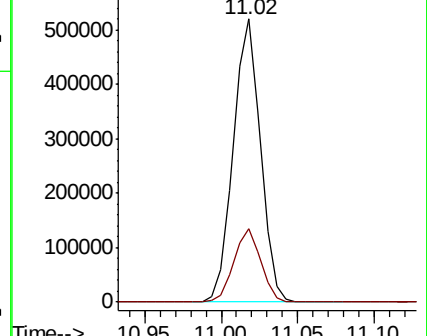
105 100

120 25.7 19.8 36.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#71

1,1,2,2-Tetrachloroethane

Concen: 47.771 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008160.D

Acq: 18 Mar 2019 11:17

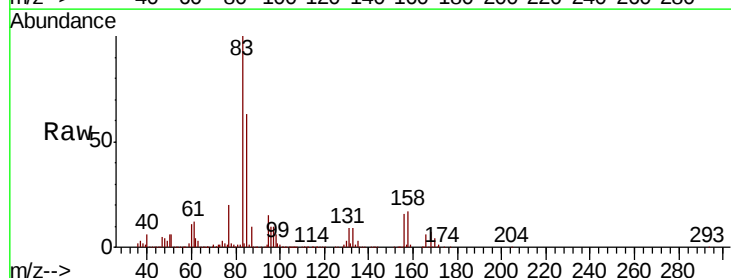
Tgt Ion: 83 Resp: 222420

Ion Ratio Lower Upper

83 100

131 9.3 5.4 16.2

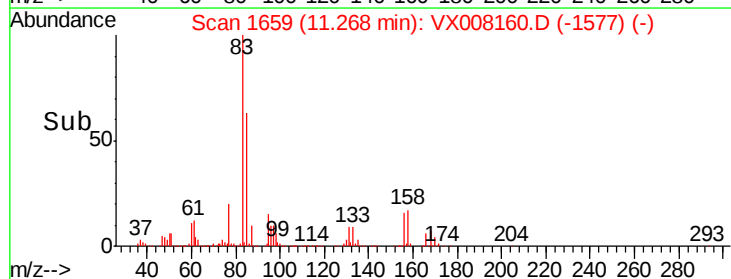
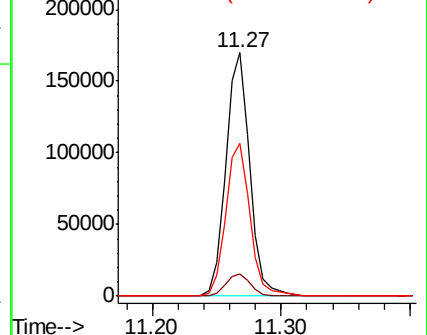
85 63.9 32.8 98.4

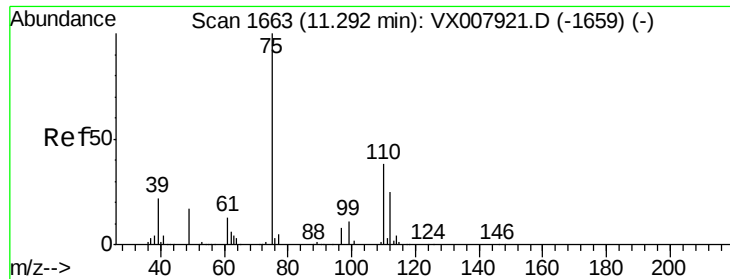


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VX0





#72

1,2,3-Trichloropropane

Concen: 67.010 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX008160.D

Acq: 18 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

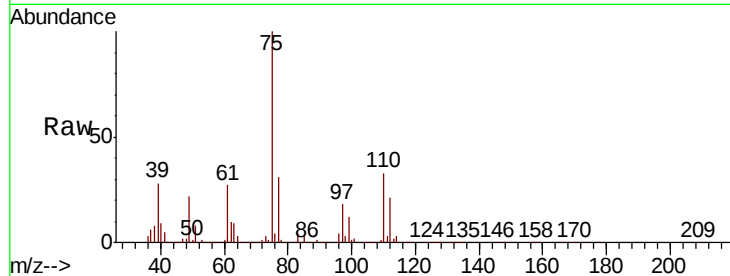
VSTDIC050

Tgt Ion: 75 Resp: 273143

Ion Ratio Lower Upper

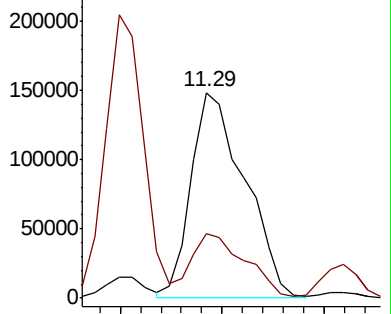
75 100

77 31.5 0.0 76.4

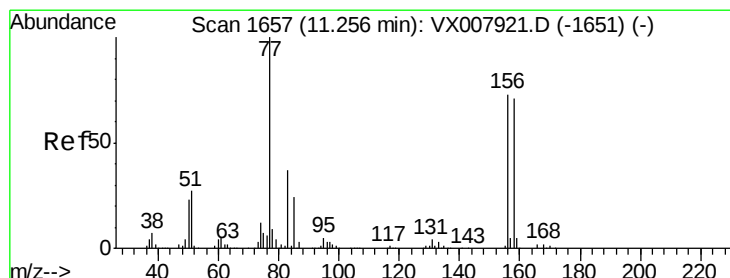
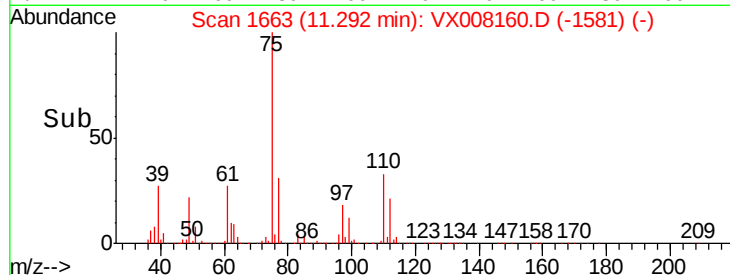


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time-->



#73

Bromobenzene

Concen: 49.444 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008160.D

Acq: 18 Mar 2019 11:17

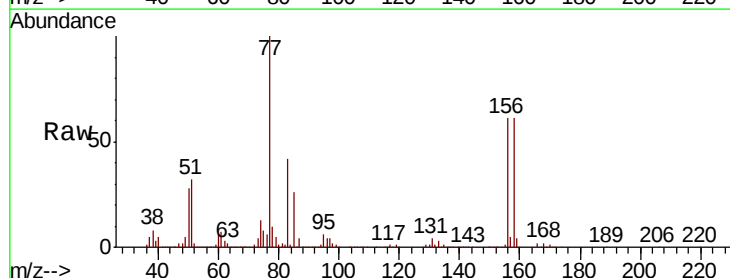
Tgt Ion: 156 Resp: 148948

Ion Ratio Lower Upper

156 100

77 176.8 0.0 271.4

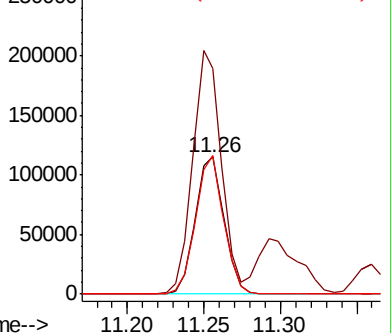
158 98.3 0.0 194.0



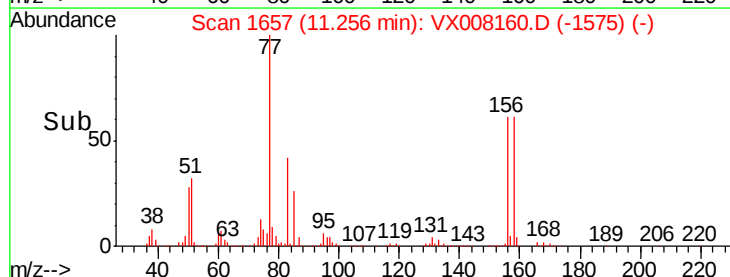
Abundance Ion 156.00 (155.70 to 156.70): V

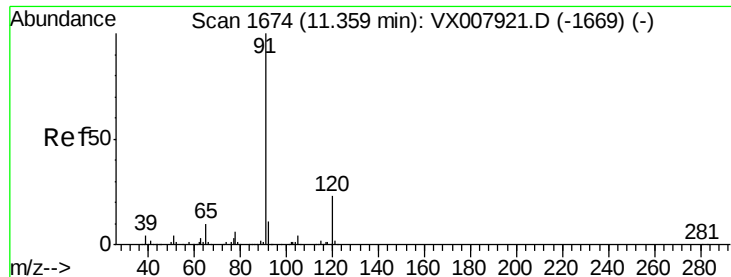
Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



Time-->





#74

n-propylbenzene

Concen: 50.885 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008160.D

Acq: 18 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

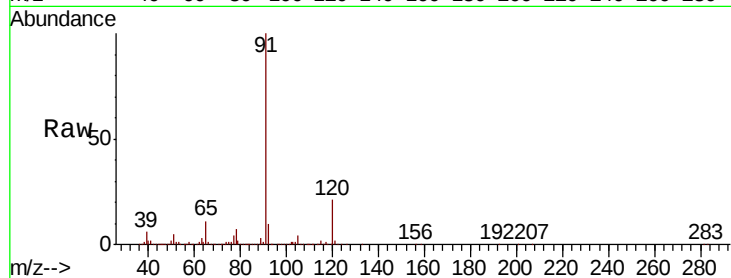
VSTDIC050

Tgt Ion: 91 Resp: 757649

Ion Ratio Lower Upper

91 100

120 21.5 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VX008160.D (-1592) (-)

Ion 120.00 (119.70 to 120.70): VX008160.D (-1592) (-)

11.36

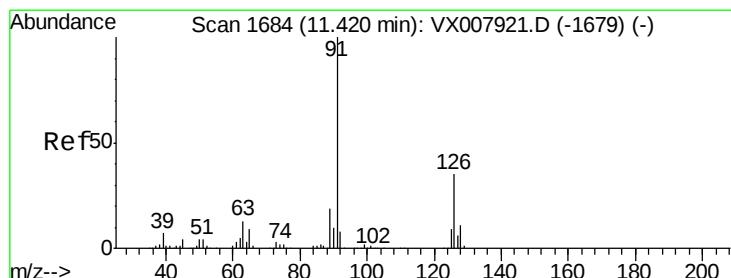
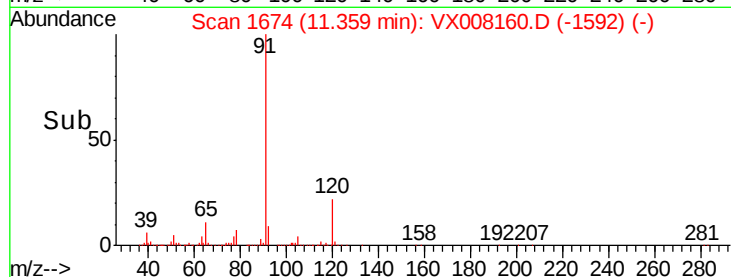
600000

400000

200000

0

Time--> 11.30 11.35 11.40



#75

2-Chlorotoluene

Concen: 49.364 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008160.D

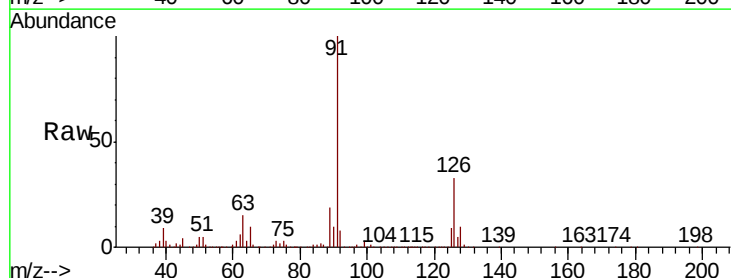
Acq: 18 Mar 2019 11:17

Tgt Ion: 91 Resp: 441691

Ion Ratio Lower Upper

91 100

126 32.1 0.0 75.2



Abundance Ion 91.00 (90.70 to 91.70): VX008160.D (-1602) (-)

Ion 126.00 (125.70 to 126.70): VX008160.D (-1602) (-)

11.42

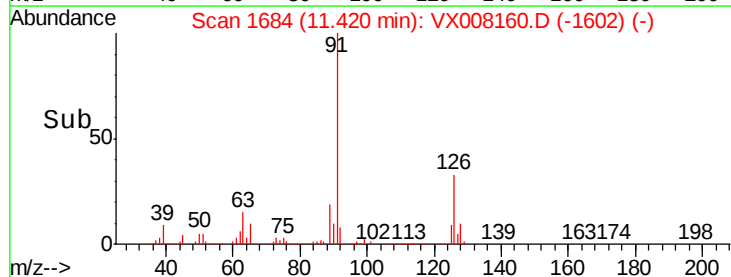
600000

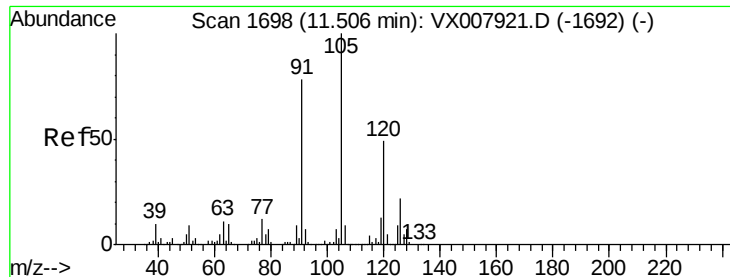
400000

200000

0

Time--> 11.40 11.45





#76

1,3,5-Trimethylbenzene

Concen: 50.214 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008160.D

Acq: 18 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampled :

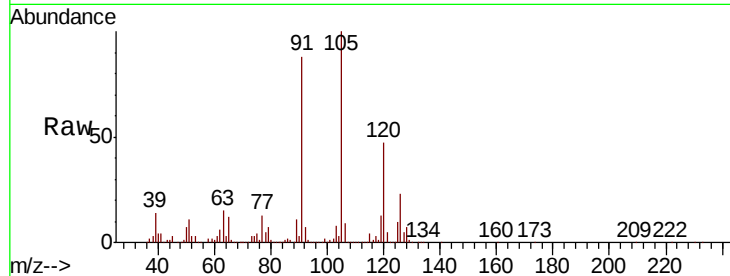
VSTDIC050

Tgt Ion: 105 Resp: 529482

Ion Ratio Lower Upper

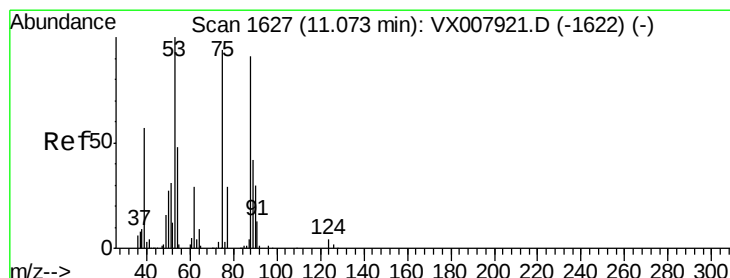
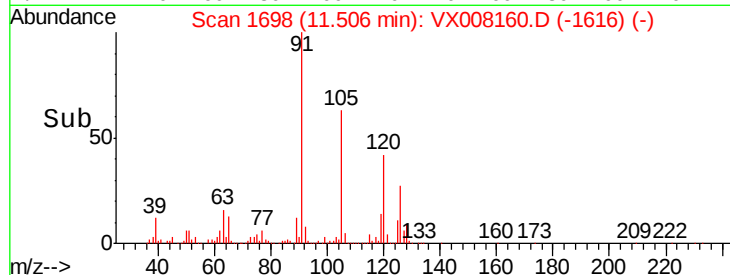
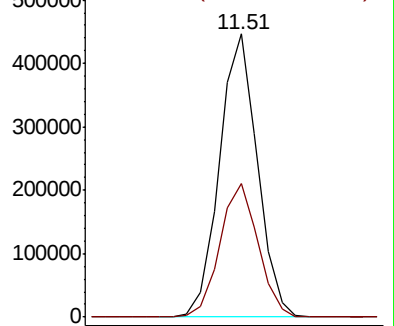
105 100

120 47.4 0.0 101.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#77

t-1,4-Dichloro-2-butene

Concen: 53.824 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008160.D

Acq: 18 Mar 2019 11:17

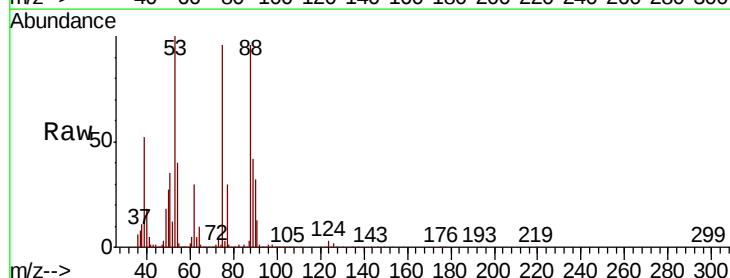
Tgt Ion: 75 Resp: 71672

Ion Ratio Lower Upper

75 100

53 104.1 55.5 166.7

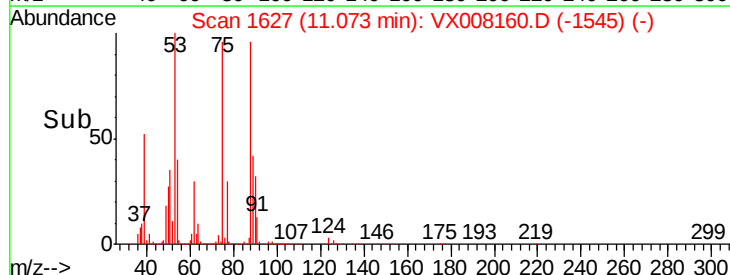
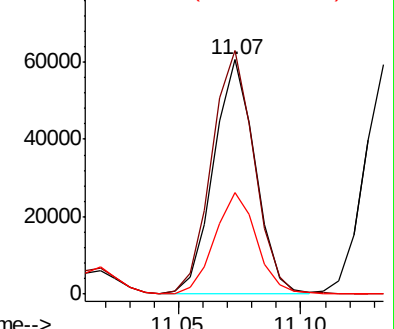
89 43.1 24.4 73.2

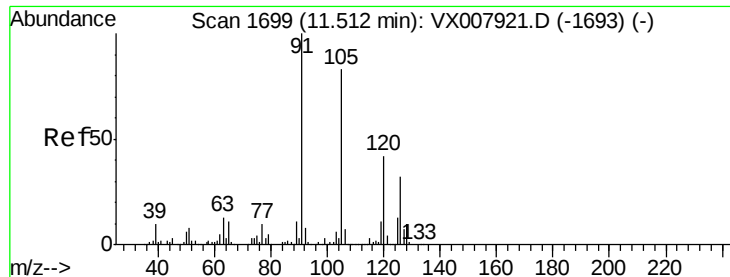


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0





#78

4-Chlorotoluene

Concen: 50.210 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX008160.D

Acq: 18 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

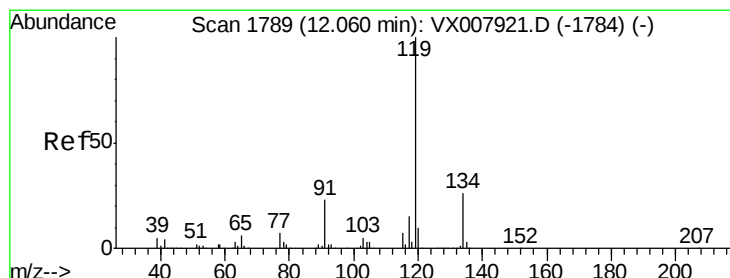
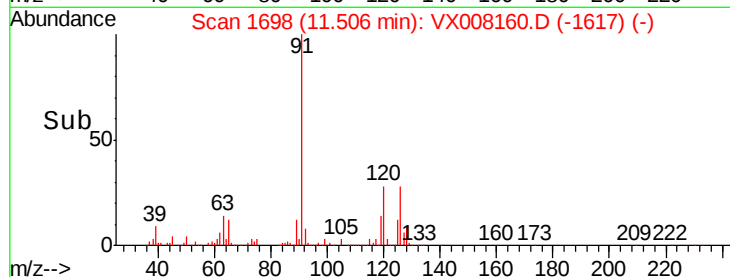
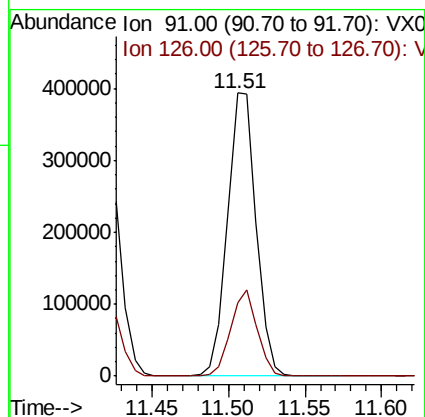
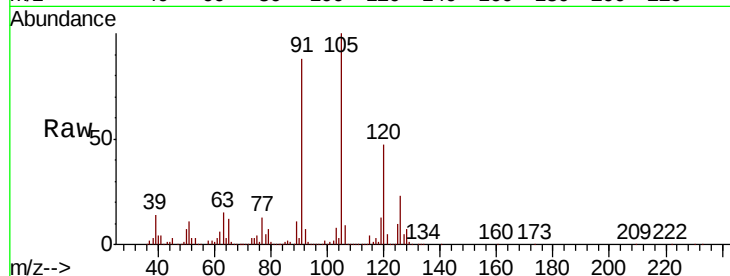
VSTDIC050

Tgt Ion: 91 Resp: 508942

Ion Ratio Lower Upper

91 100

126 28.3 0.0 66.2



#79

tert-butylbenzene

Concen: 51.876 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008160.D

Acq: 18 Mar 2019 11:17

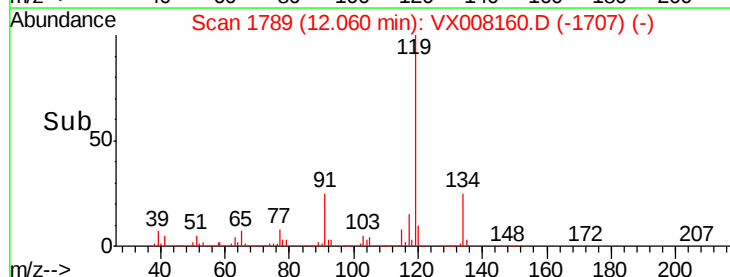
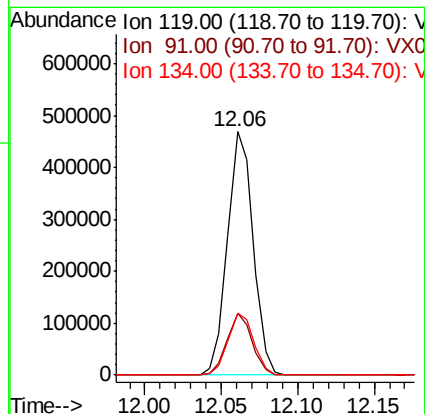
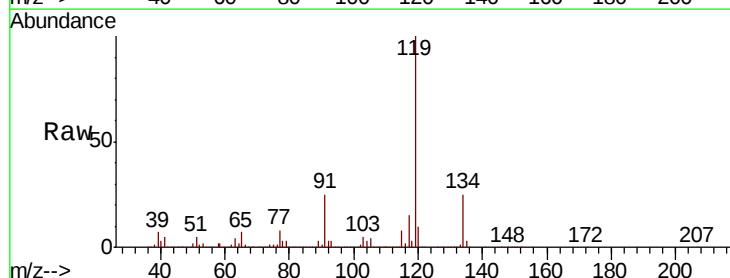
Tgt Ion: 119 Resp: 547446

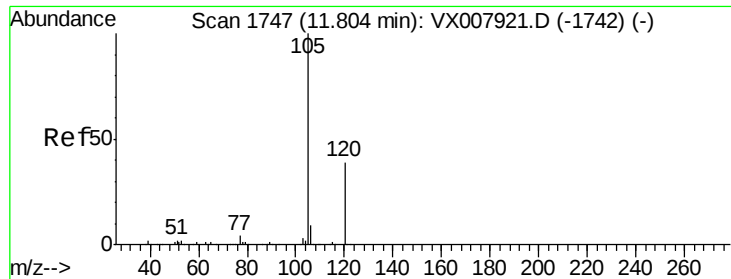
Ion Ratio Lower Upper

119 100

91 24.4 0.0 45.0

134 25.4 0.0 55.4

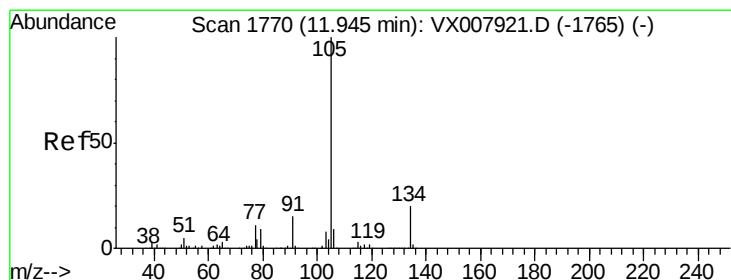
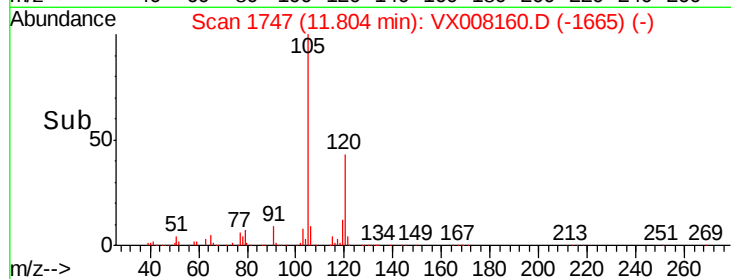
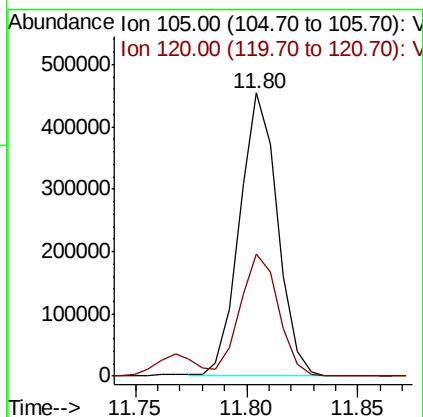
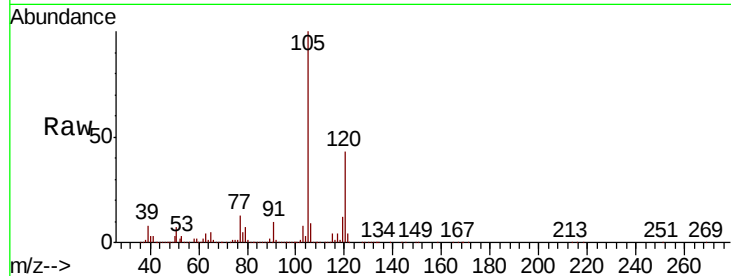




#80
 1,2,4-Trimethylbenzene
 Concen: 50.719 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX008160.D
 Acq: 18 Mar 2019 11:17

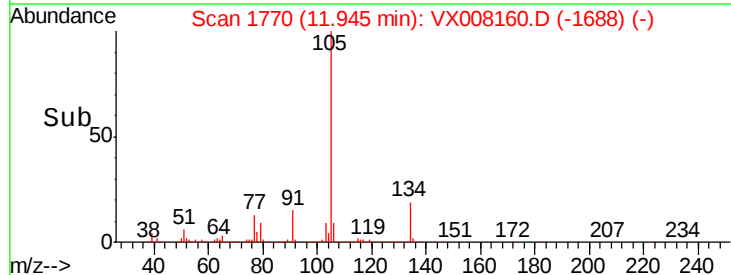
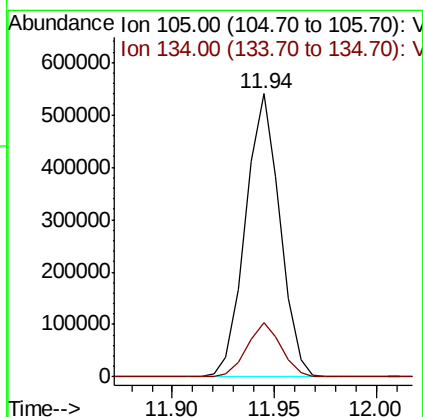
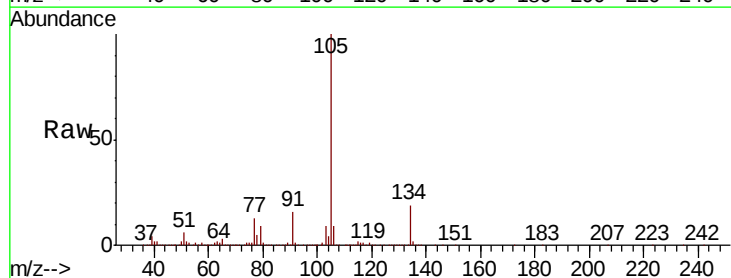
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

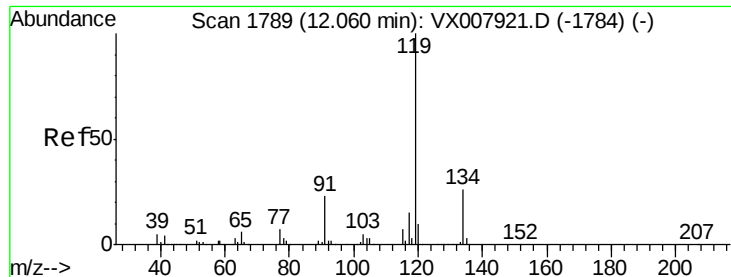
Tgt Ion:105 Resp: 538012
 Ion Ratio Lower Upper
 105 100
 120 43.5 0.0 94.0



#81
 sec-Butylbenzene
 Concen: 50.671 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX008160.D
 Acq: 18 Mar 2019 11:17

Tgt Ion:105 Resp: 633634
 Ion Ratio Lower Upper
 105 100
 134 18.9 0.0 41.8

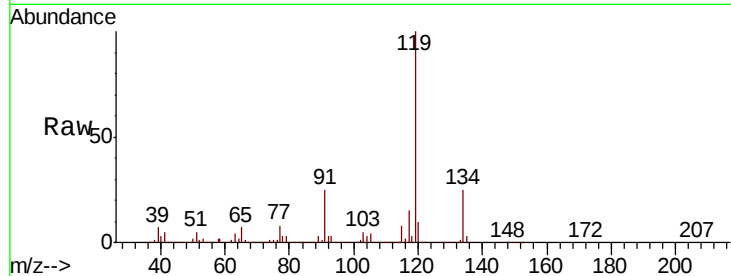




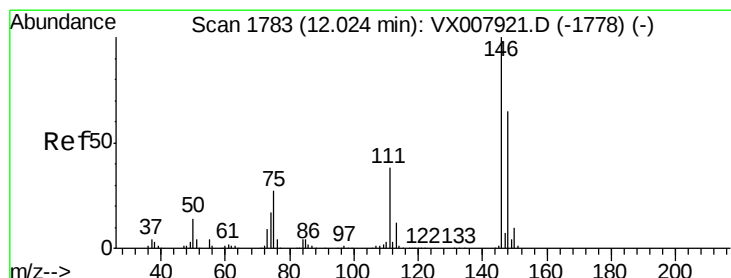
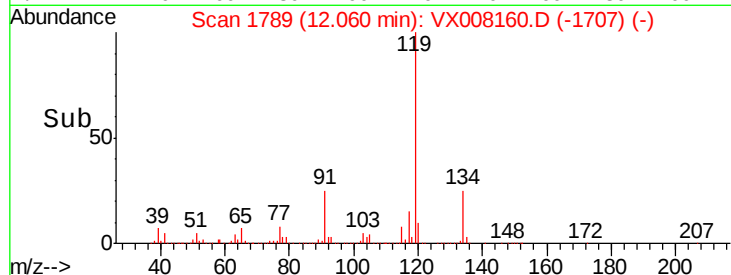
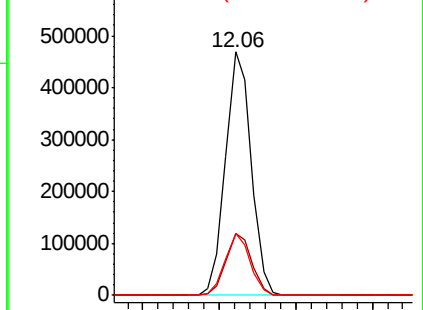
#82
p-Isopropyltoluene
Concen: 51.876 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX008160.D
Acq: 18 Mar 2019 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tgt Ion:119 Resp: 547446
Ion Ratio Lower Upper
119 100
134 25.4 0.0 55.4
91 24.4 0.0 45.0

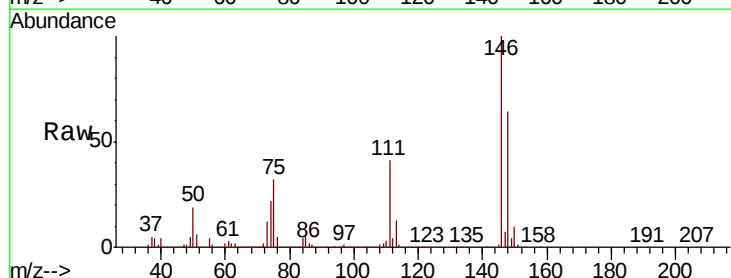


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

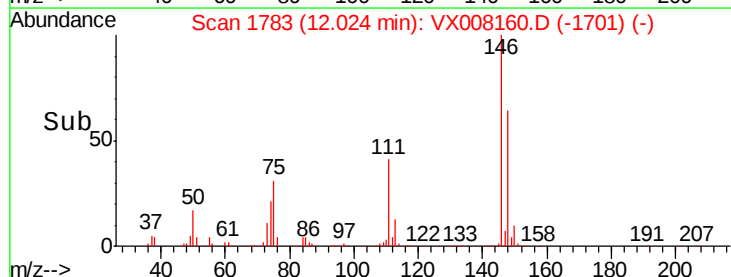
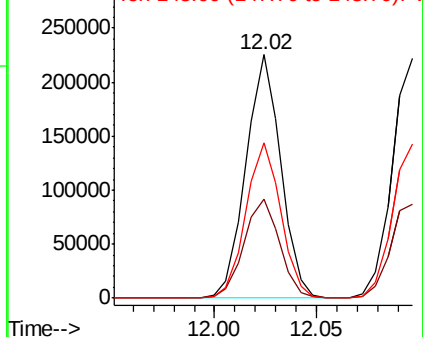


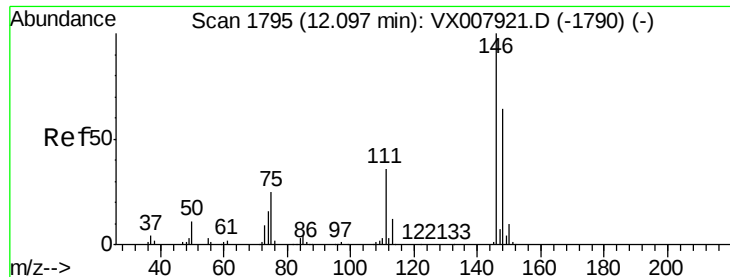
#83
1,3-Dichlorobenzene
Concen: 49.434 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VX008160.D
Acq: 18 Mar 2019 11:17

Tgt Ion:146 Resp: 268200
Ion Ratio Lower Upper
146 100
111 41.3 18.8 56.3
148 64.1 30.6 91.8



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

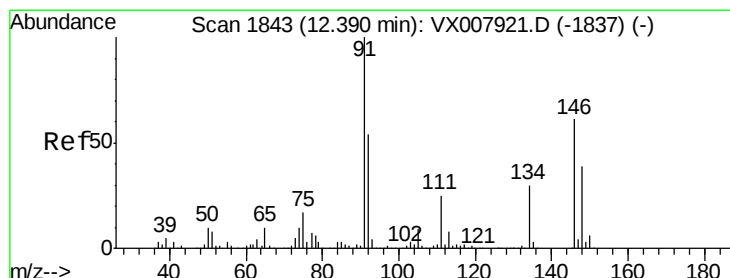
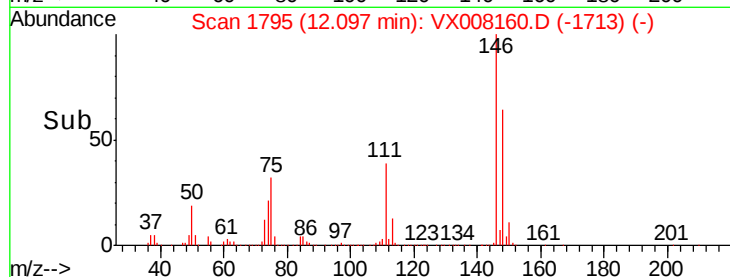
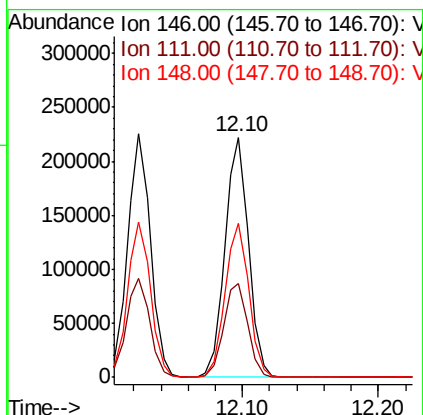
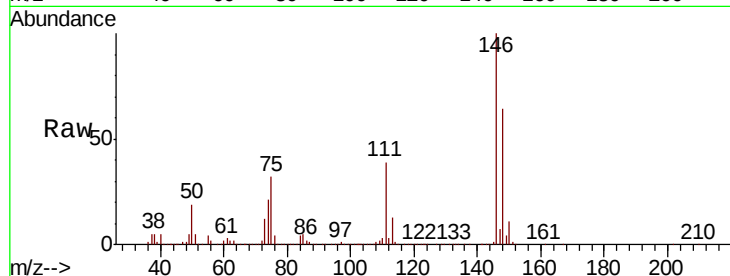




#84
 1,4-Dichlorobenzene
 Concen: 50.675 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008160.D
 Acq: 18 Mar 2019 11:17

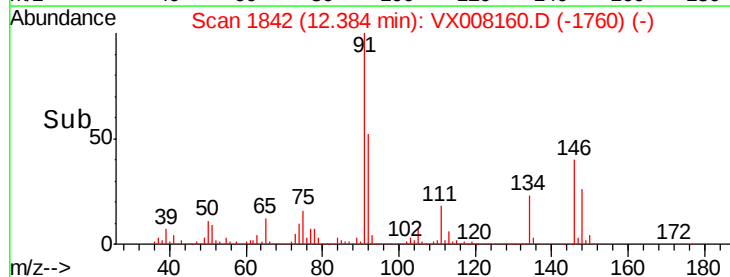
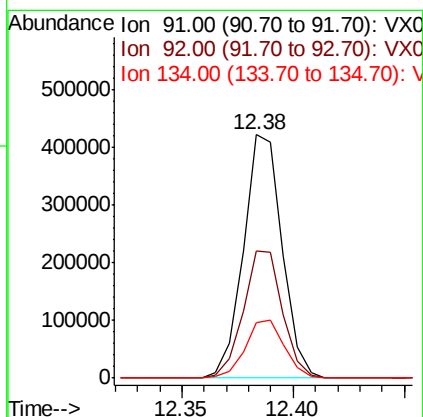
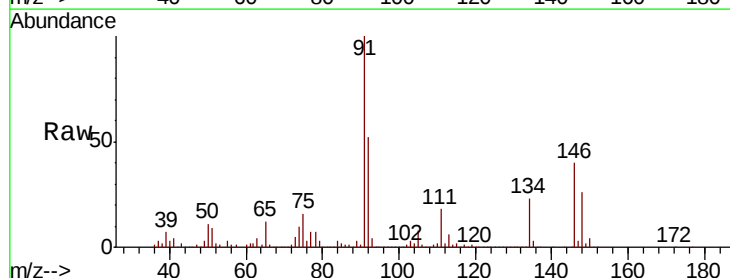
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

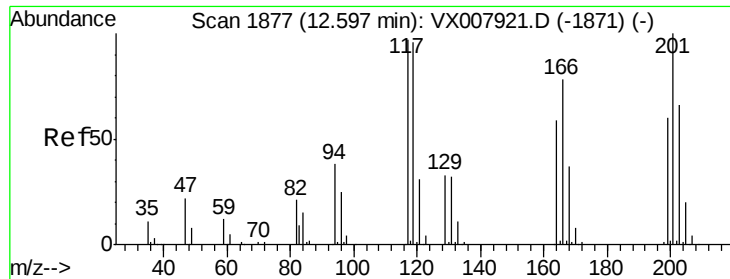
Tgt Ion: 146 Resp: 266587
 Ion Ratio Lower Upper
 146 100
 111 39.5 17.6 52.8
 148 64.4 31.4 94.2



#85
 n-Butylbenzene
 Concen: 53.382 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX008160.D
 Acq: 18 Mar 2019 11:17

Tgt Ion: 91 Resp: 510719
 Ion Ratio Lower Upper
 91 100
 92 52.9 0.0 105.2
 134 24.0 0.0 56.4





#86

Hexachloroethane

Concen: 52.142 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VX008160.D

Acq: 18 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

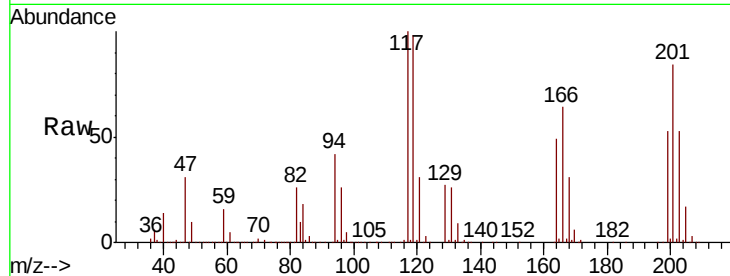
VSTDIC050

Tgt Ion:117 Resp: 93009

Ion Ratio Lower Upper

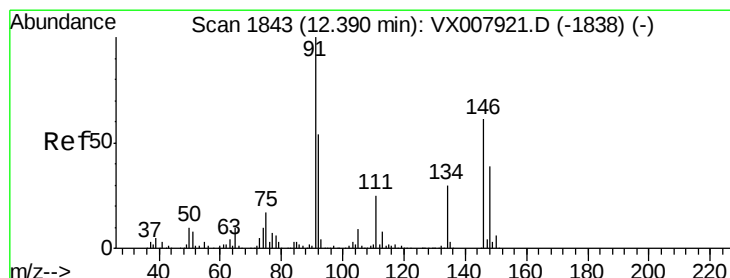
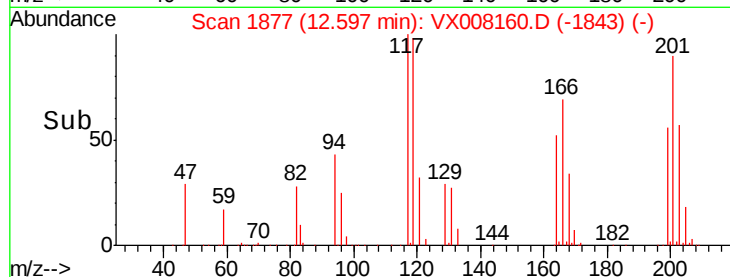
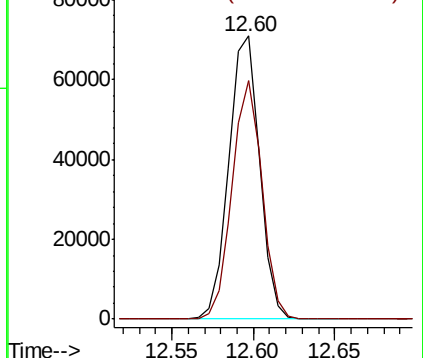
117 100

201 81.9 41.1 123.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V



#87

1,2-Dichlorobenzene

Concen: 49.308 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX008160.D

Acq: 18 Mar 2019 11:17

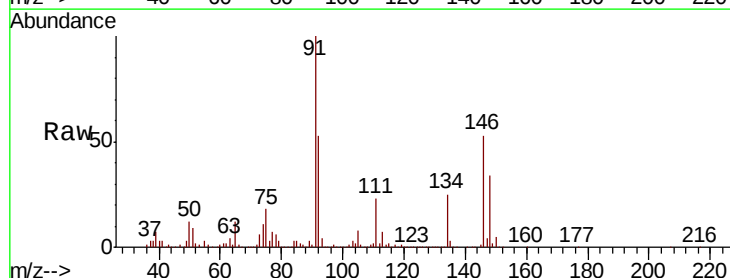
Tgt Ion:146 Resp: 266003

Ion Ratio Lower Upper

146 100

111 42.7 19.3 57.8

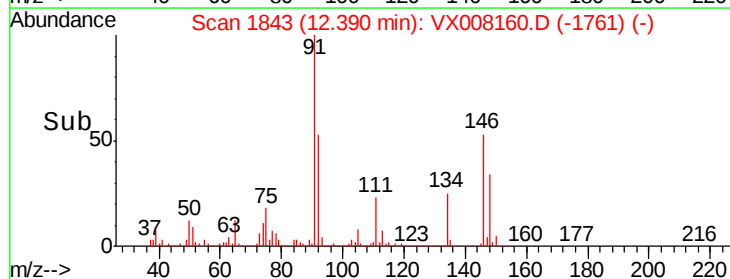
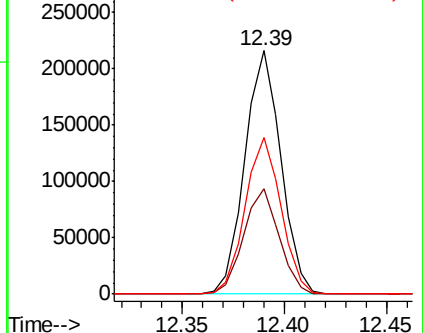
148 63.8 32.1 96.3

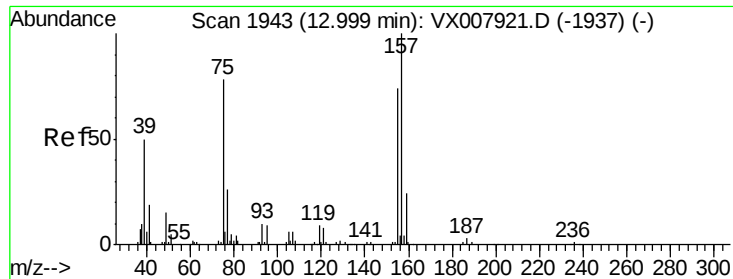


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#88

1,2-Dibromo-3-Chloropropane

Concen: 50.127 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX008160.D

Acq: 18 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

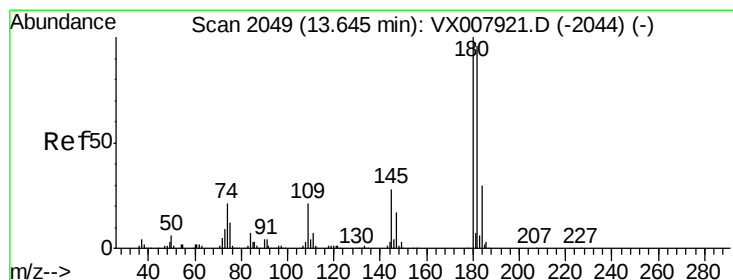
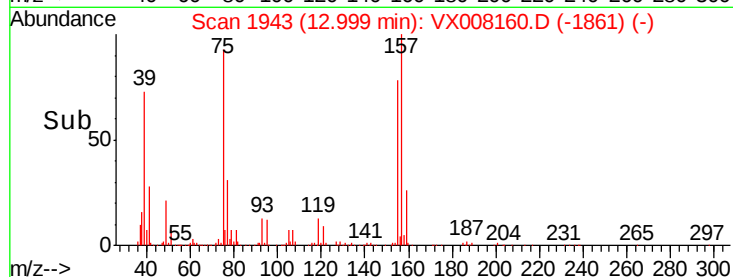
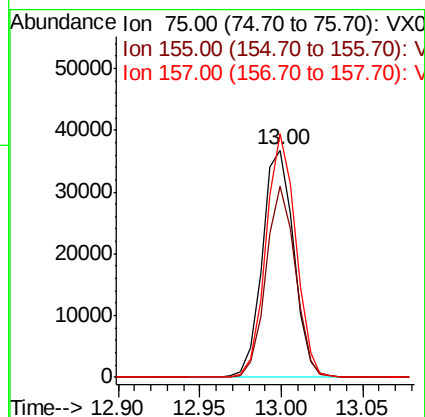
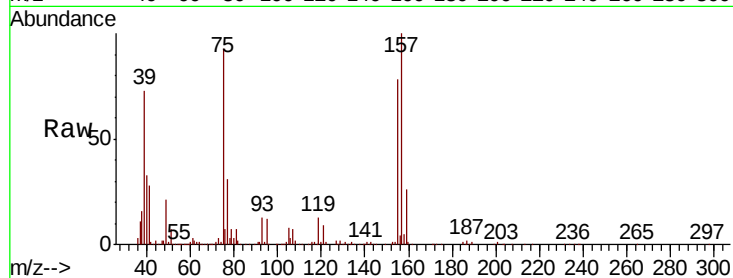
Tgt Ion: 75 Resp: 48772

Ion Ratio Lower Upper

75 100

155 79.2 81.0 121.6#

157 101.8 103.2 154.8#



#89

1,2,4-Trichlorobenzene

Concen: 51.897 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX008160.D

Acq: 18 Mar 2019 11:17

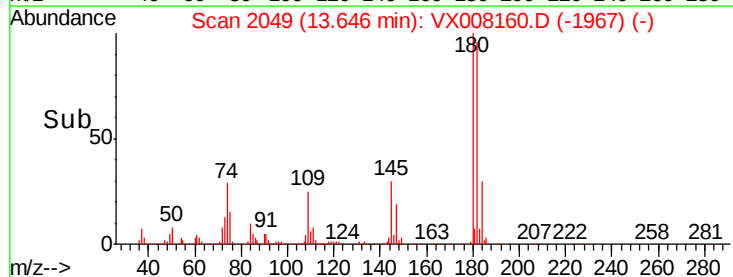
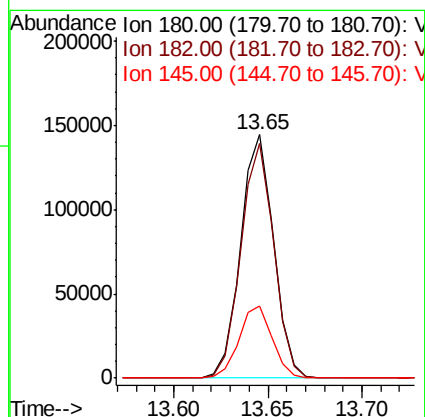
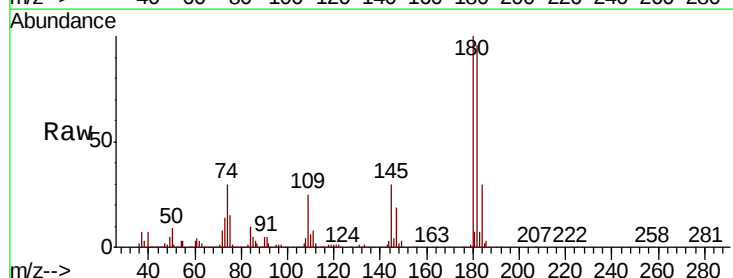
Tgt Ion: 180 Resp: 175081

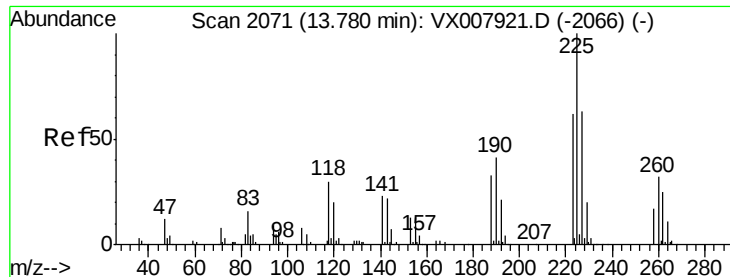
Ion Ratio Lower Upper

180 100

182 96.0 75.6 113.4

145 29.9 23.0 34.6





#90

Hexachlorobutadiene

Concen: 51.946 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VX008160.D

Acq: 18 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

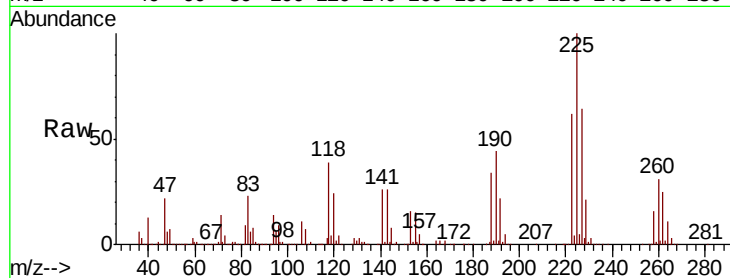
Tgt Ion:225 Resp: 90261

Ion Ratio Lower Upper

225 100

223 61.4 0.0 123.8

227 64.4 0.0 124.4

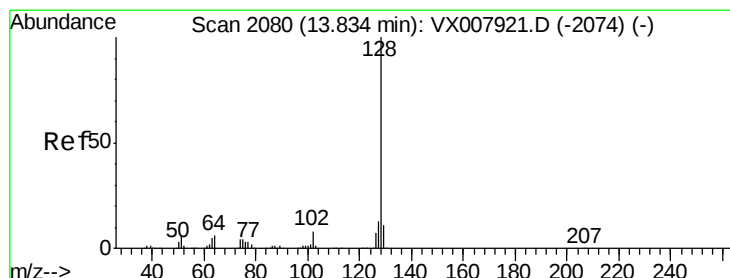
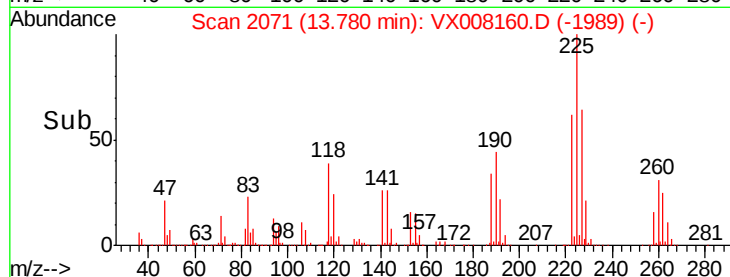
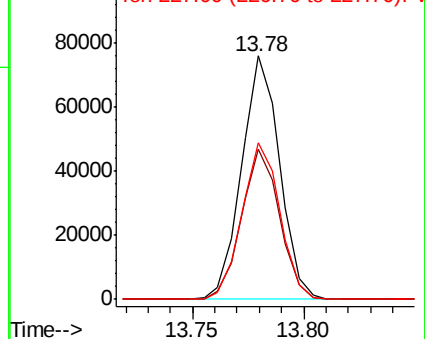


Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#91

Naphthalene

Concen: 51.395 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008160.D

Acq: 18 Mar 2019 11:17

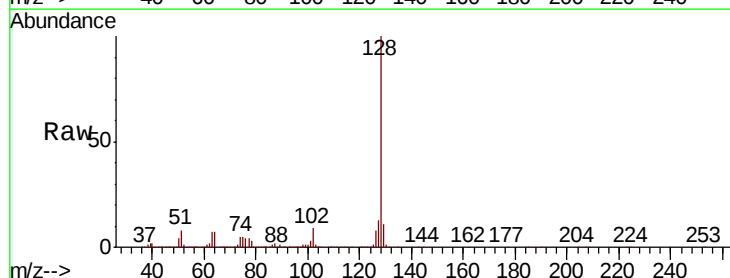
Tgt Ion:128 Resp: 569294

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

129 10.9 8.9 13.3

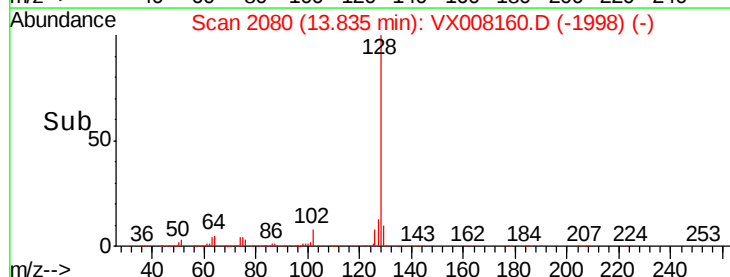
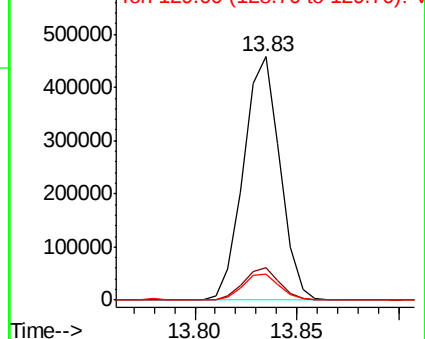


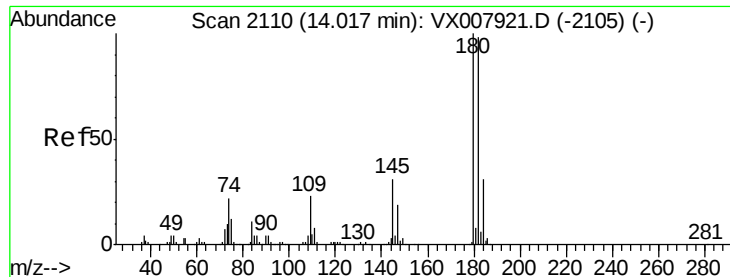
Abundance

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

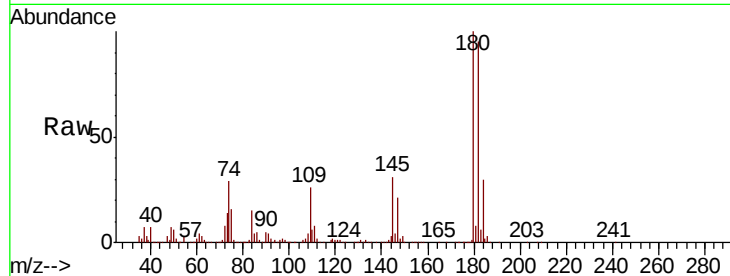




#92
 1,2,3-Trichlorobenzene
 Concen: 51.545 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VX008160.D
 Acq: 18 Mar 2019 11:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	0.0	193.0
145	32.0	0.0	63.0



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

