

Data File : VX019613.D
Acq On : 24 Nov 2020 18:15
Operator : JC/MD
Sample : L4845-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PH-TP

Quant Time: Nov 25 04:04:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 21 01:57:45 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	296277	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	485749	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	442264	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	173090	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	183175	47.68	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.36%		
35) Dibromofluoromethane	5.46	113	145423	47.69	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.38%		
50) Toluene-d8	8.70	98	589219	49.73	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.46%		
62) 4-Bromofluorobenzene	11.12	95	197090	46.23	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	92.46%		

Target Compounds

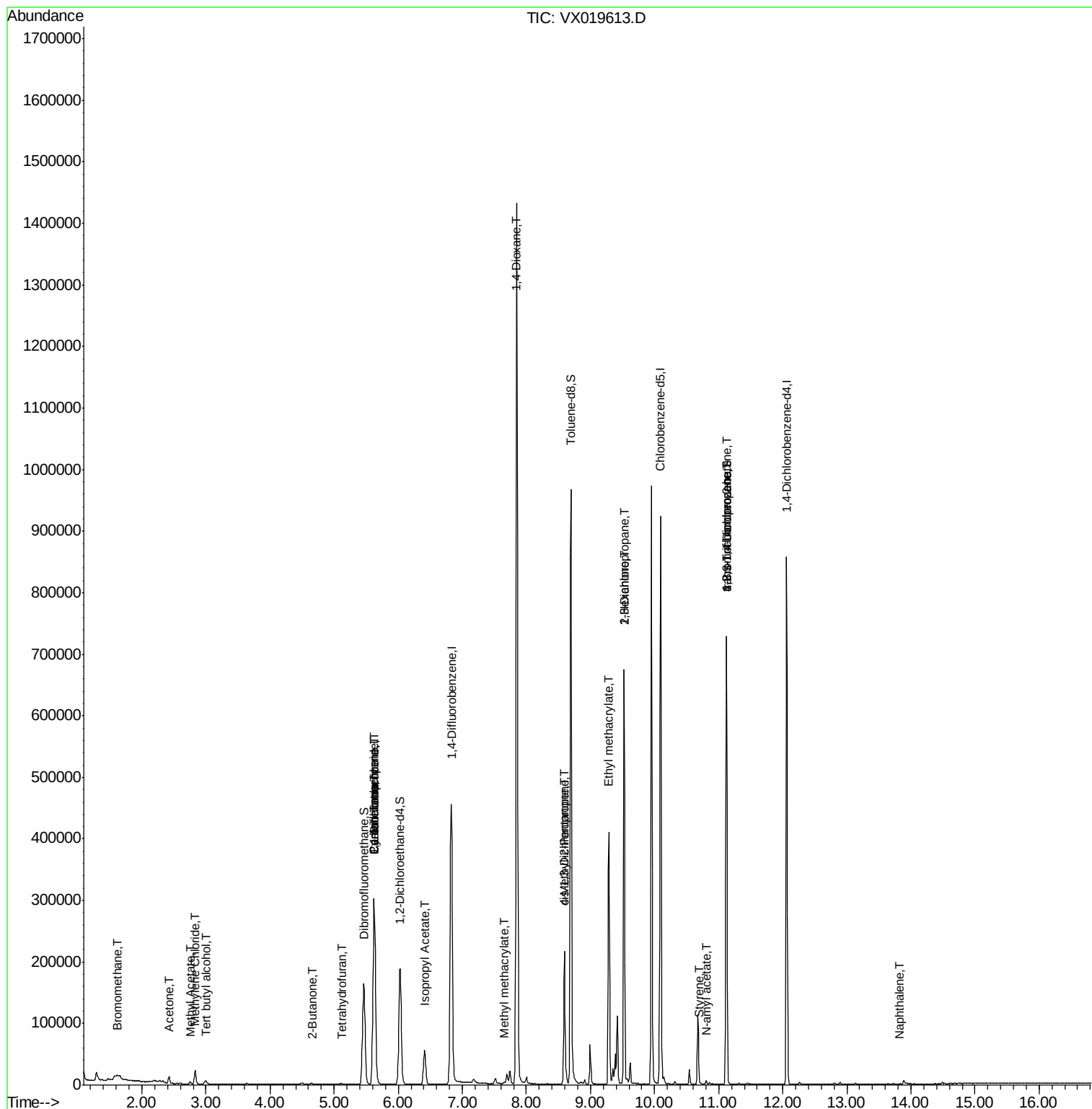
					Qvalue	
5) Bromomethane	1.62	94	482	0.358	ug/l #	35
6) Chloroethane	1.69	64	1830	Below Cal	#	44
11) Tert butyl alcohol	3.00	59	4304	5.920	ug/l #	73
16) Acetone	2.42	43	11646	7.839	ug/l	96
18) Methyl Acetate	2.75	43	4820	1.941	ug/l	99
20) Methylene Chloride	2.83	84	10346	2.786	ug/l	93
25) 2-Butanone	4.65	43	2156	0.966	ug/l	92
29) Tetrahydrofuran	5.12	42	1385	0.973	ug/l #	27
31) Cyclohexane	5.62	56	5903	1.181	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	22541	4.950	ug/l #	49
38) Carbon Tetrachloride	5.62	117	28773	6.528	ug/l #	16
43) Isopropyl Acetate	6.42	43	74775	10.405	ug/l	99
48) Methyl methacrylate	7.65	41	3747	1.113	ug/l #	9
49) 1,4-Dioxane	7.85	88	230	3.010	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	71311	17.016	ug/l #	43
54) cis-1,3-Dichloropropene	8.59	75	37479	6.836	ug/l #	58
56) Ethyl methacrylate	9.29	69	1121	0.227	ug/l #	1
57) 1,3-Dichloropropane	9.52	76	6129	1.050	ug/l #	43
59) 2-Hexanone	9.52	43	73859	23.238	ug/l #	47
70) Styrene	10.69	104	108	1.656	ug/l #	1
74) N-amyl acetate	10.80	43	2998	0.668	ug/l #	43
76) 1,2,3-Trichloropropane	11.12	75	95790	25.359	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	95790	66.926	ug/l #	12
95) Naphthalene	13.82	128	261	2.198	ug/l #	69

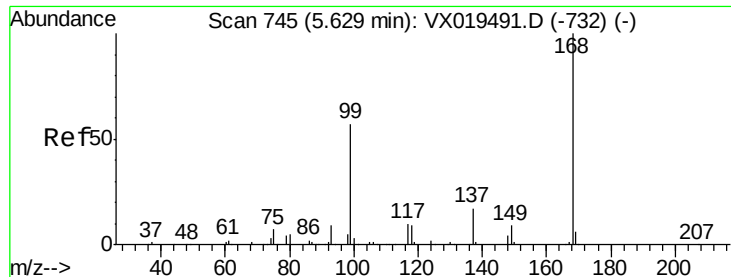
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX019613.D

Acq: 24 Nov 2020 18:15

Instrument :

MSVOA_X

ClientSampleId :

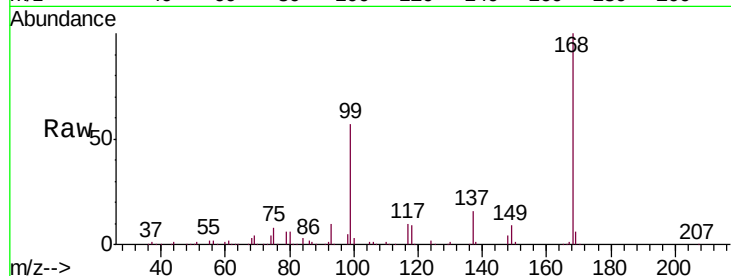
PH-TP

Tgt Ion:168 Resp: 296277

Ion Ratio Lower Upper

168 100

99 56.6 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.62

120000

100000

80000

60000

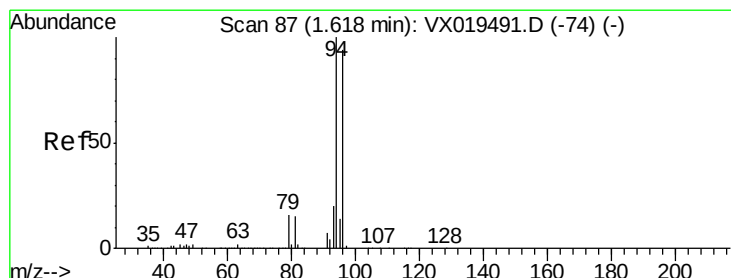
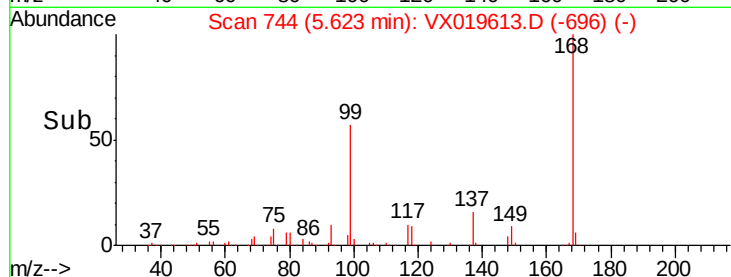
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#5

Bromomethane

Concen: 0.358 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VX019613.D

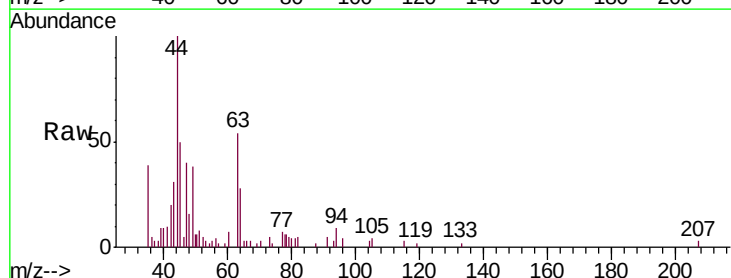
Acq: 24 Nov 2020 18:15

Tgt Ion: 94 Resp: 482

Ion Ratio Lower Upper

94 100

96 31.2 75.6 113.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

250

200

150

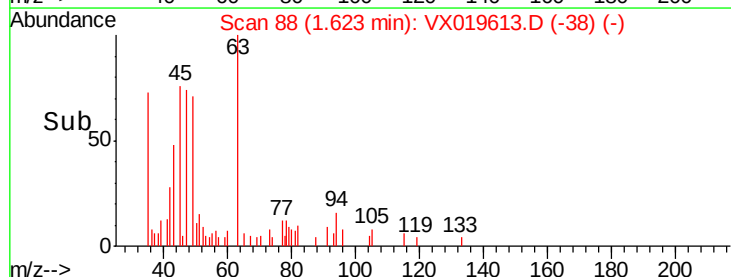
100

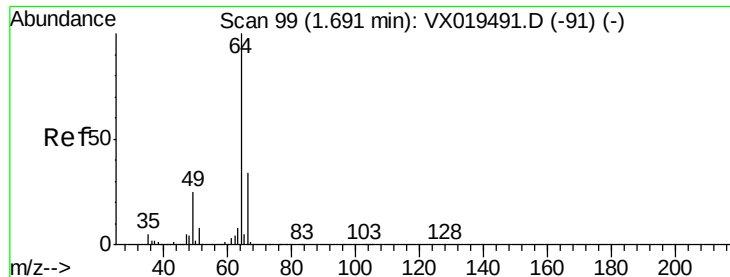
50

0

Time-->

1.55 1.60 1.65





#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 99

Delta R.T. 0.00 min

Lab File: VX019613.D

Acq: 24 Nov 2020 18:15

Instrument :

MSVOA_X

ClientSampled :

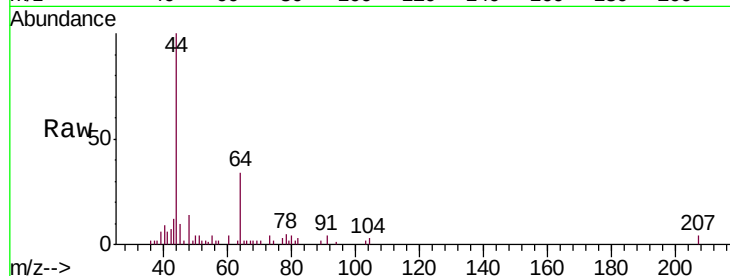
PH-TP

Tgt Ion: 64 Resp: 1830

Ion Ratio Lower Upper

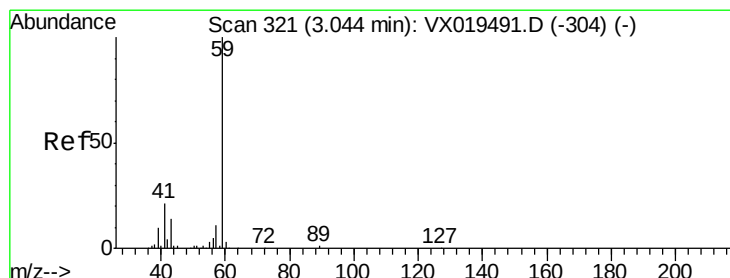
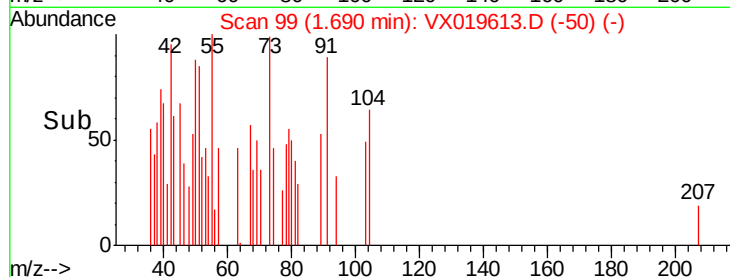
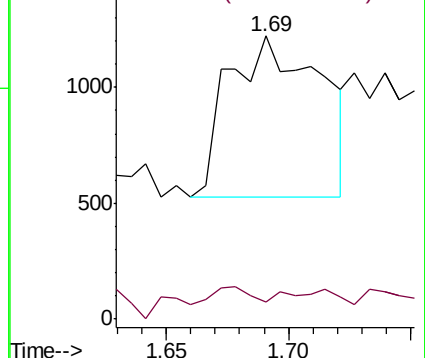
64 100

66 1.6 27.1 40.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 5.920 ug/l

RT: 3.00 min Scan# 313

Delta R.T. -0.05 min

Lab File: VX019613.D

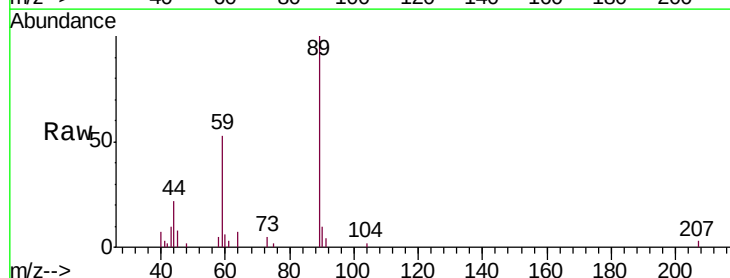
Acq: 24 Nov 2020 18:15

Tgt Ion: 59 Resp: 4304

Ion Ratio Lower Upper

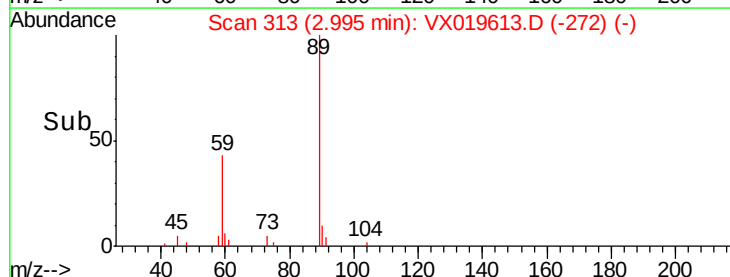
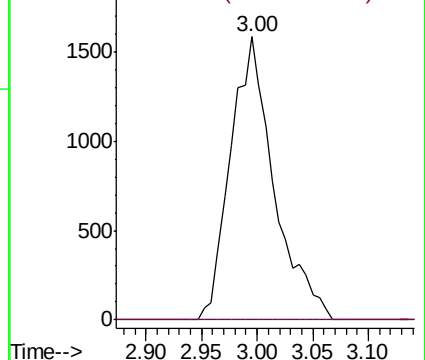
59 100

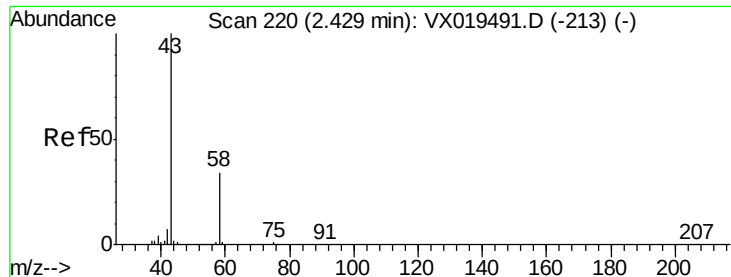
57 0.0 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 7.839 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.01 min

Lab File: VX019613.D

Acq: 24 Nov 2020 18:15

Instrument :

MSVOA_X

ClientSampleId :

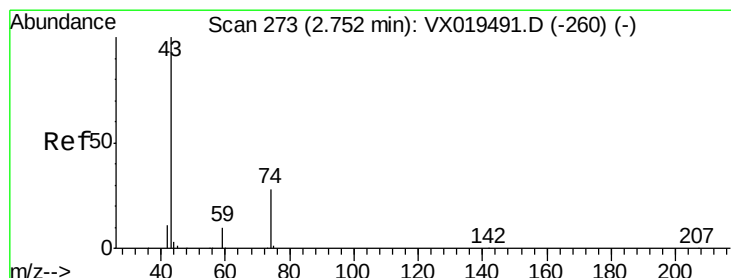
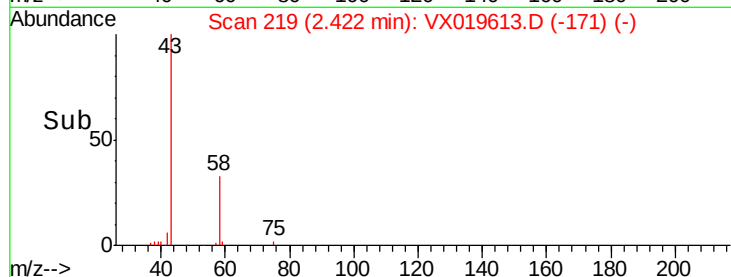
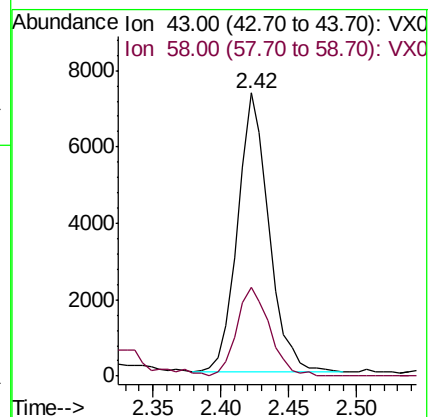
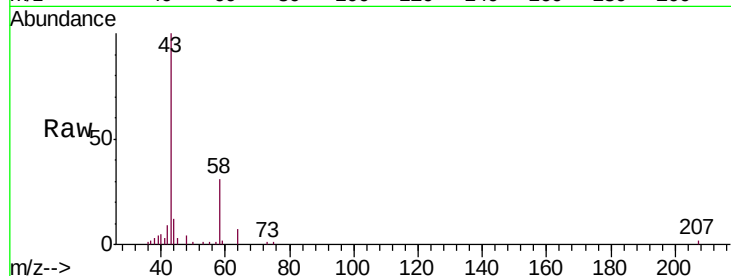
PH-TP

Tgt Ion: 43 Resp: 11646

Ion Ratio Lower Upper

43 100

58 31.9 27.4 41.2



#18

Methyl Acetate

Concen: 1.941 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX019613.D

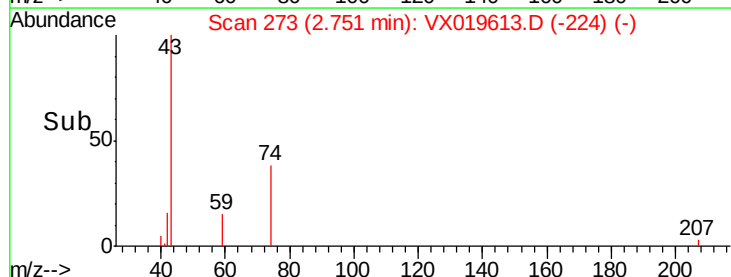
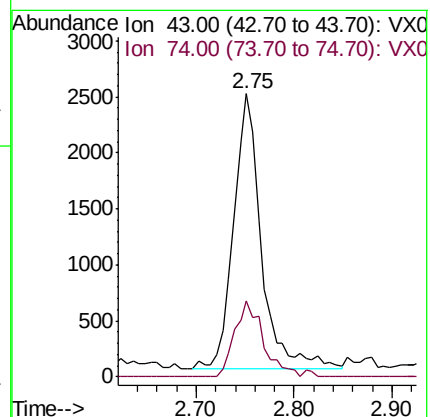
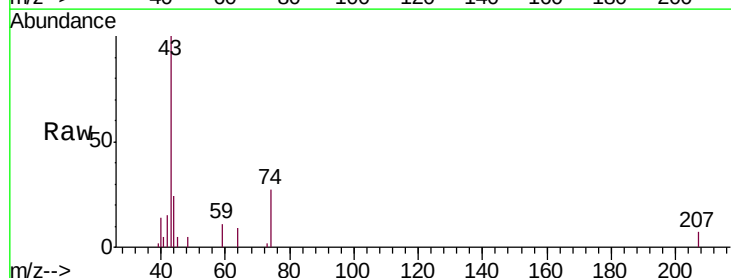
Acq: 24 Nov 2020 18:15

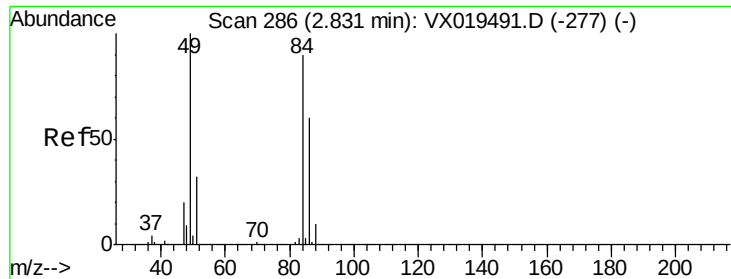
Tgt Ion: 43 Resp: 4820

Ion Ratio Lower Upper

43 100

74 28.3 22.2 33.4

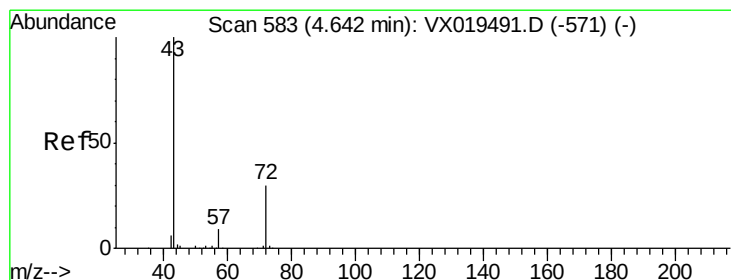
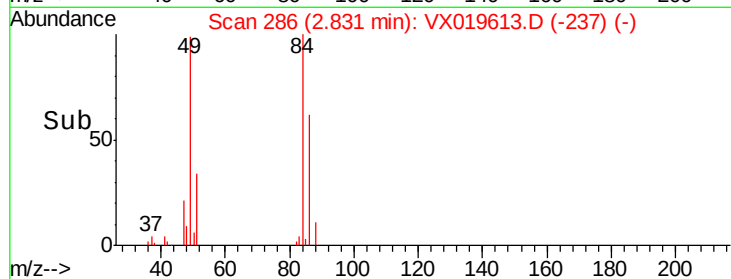
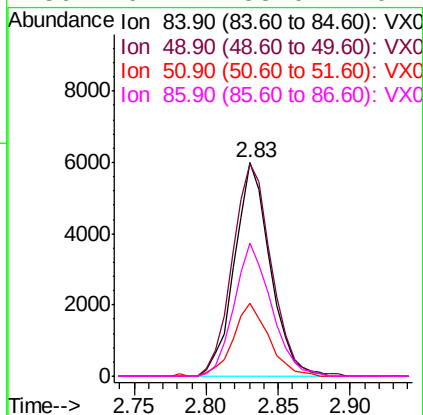
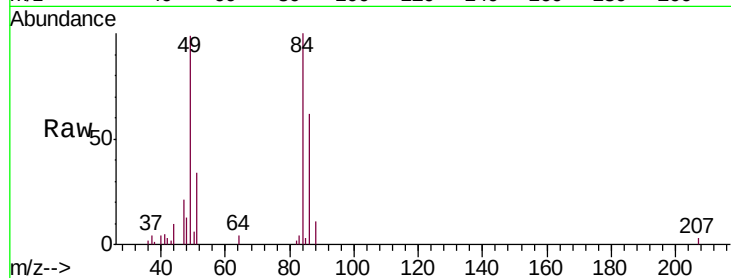




#20
Methylene Chloride
Concen: 2.786 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX019613.D
Acq: 24 Nov 2020 18:15

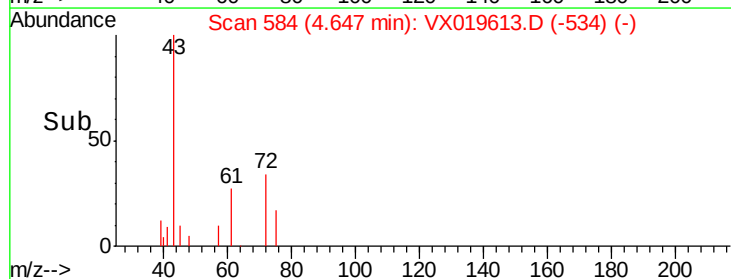
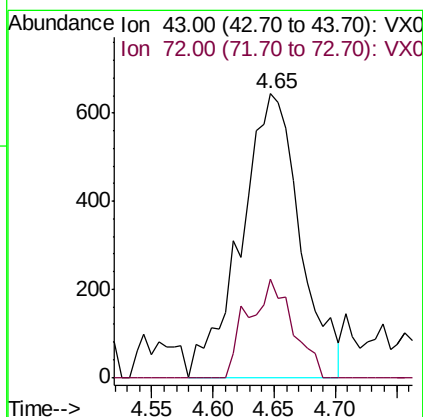
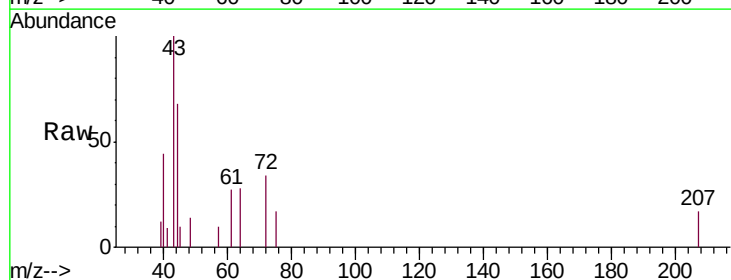
Instrument :
MSVOA_X
ClientSampled :
PH-TP

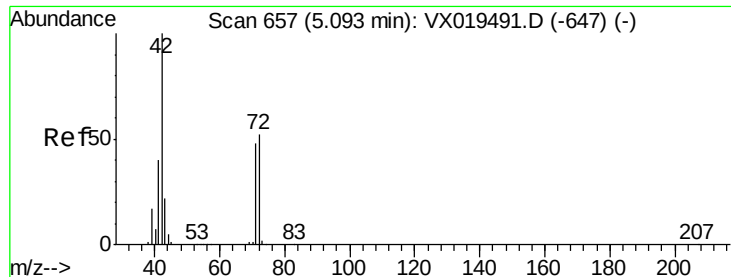
Tgt Ion:	84	Resp:	10346
Ion	Ratio	Lower	Upper
84	100		
49	99.5	88.5	132.7
51	34.5	28.0	42.0
86	62.4	53.0	79.4



#25
2-Butanone
Concen: 0.966 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX019613.D
Acq: 24 Nov 2020 18:15

Tgt Ion:	43	Resp:	2156
Ion	Ratio	Lower	Upper
43	100		
72	34.5	24.0	36.0

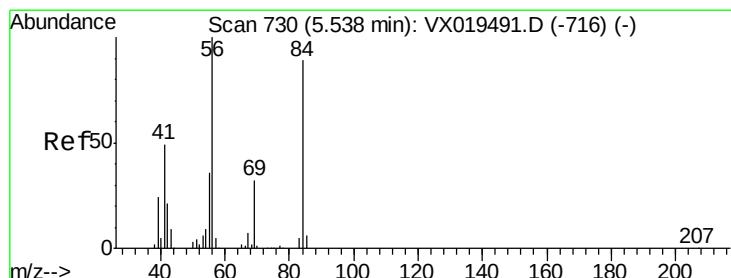
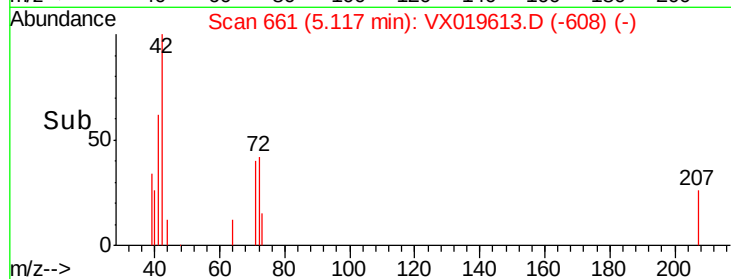
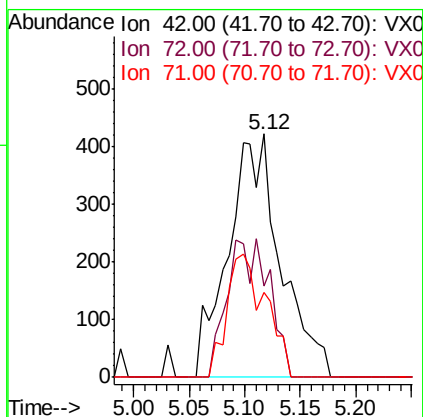
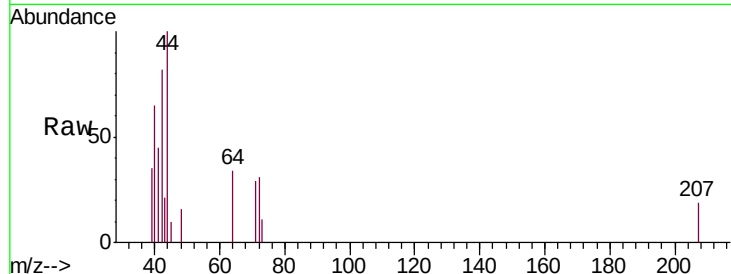




#29
Tetrahydrofuran
Concen: 0.973 ug/l
RT: 5.12 min Scan# 661
Delta R.T. 0.02 min
Lab File: VX019613.D
Acq: 24 Nov 2020 18:15

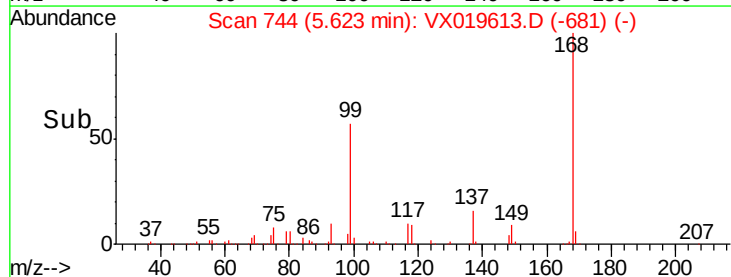
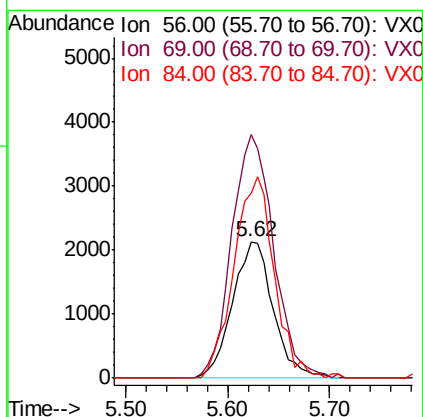
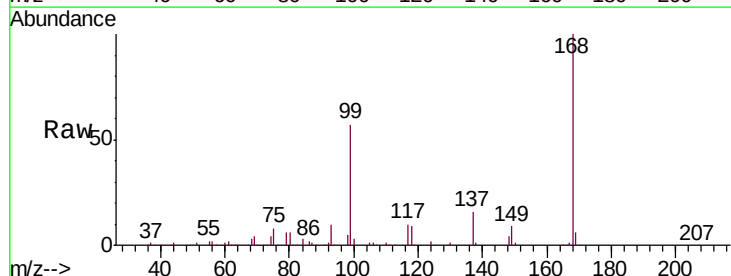
Instrument :
MSVOA_X
ClientSampled :
PH-TP

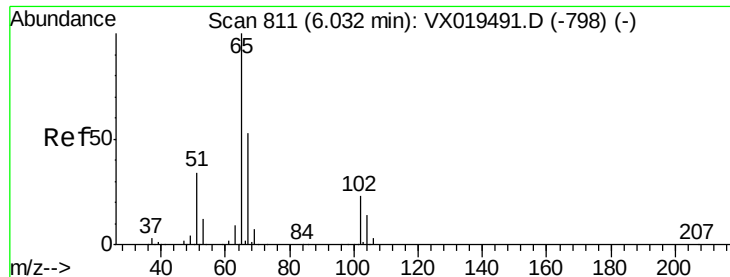
Tgt Ion: 42 Resp: 1385
Ion Ratio Lower Upper
42 100
72 0.0 42.6 63.8#
71 0.0 39.0 58.6#



#31
Cyclohexane
Concen: 1.181 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.09 min
Lab File: VX019613.D
Acq: 24 Nov 2020 18:15

Tgt Ion: 56 Resp: 5903
Ion Ratio Lower Upper
56 100
69 178.6 25.5 38.3#
84 135.1 71.1 106.7#

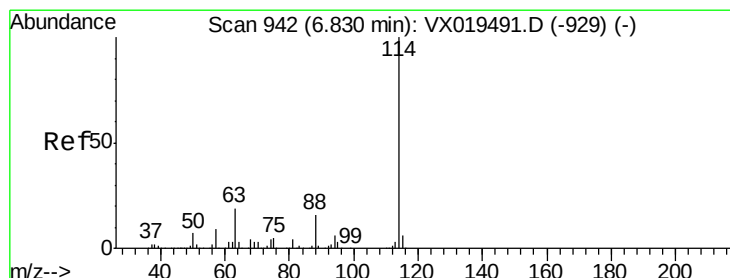
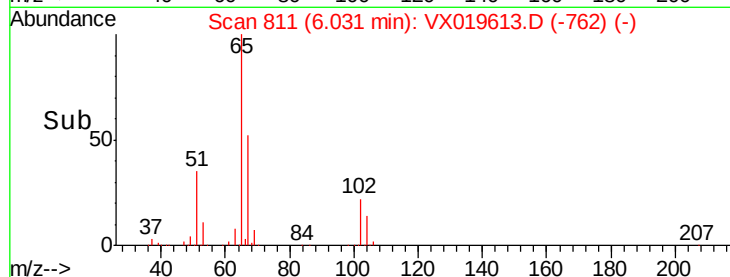
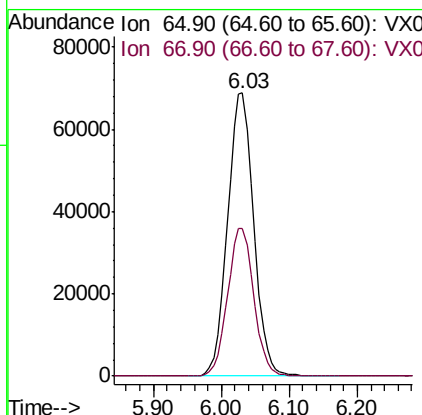
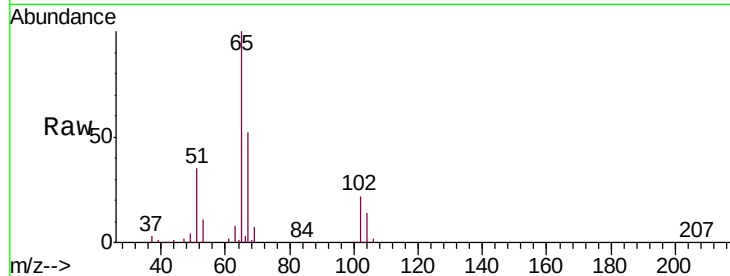




#33
 1,2-Dichloroethane-d4
 Concen: 47.683 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX019613.D
 Acq: 24 Nov 2020 18:15

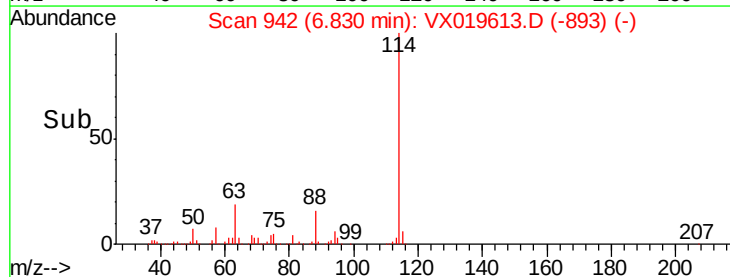
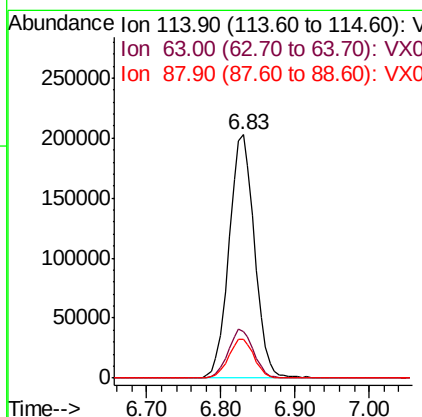
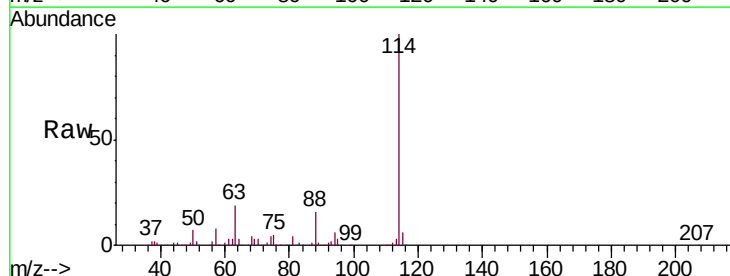
Instrument :
 MSVOA_X
 ClientSampleId :
 PH-TP

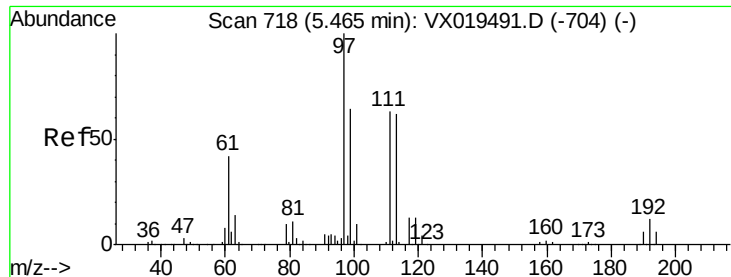
Tgt Ion: 65 Resp: 183175
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX019613.D
 Acq: 24 Nov 2020 18:15

Tgt Ion: 114 Resp: 485749
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.8
 88 15.9 0.0 31.6

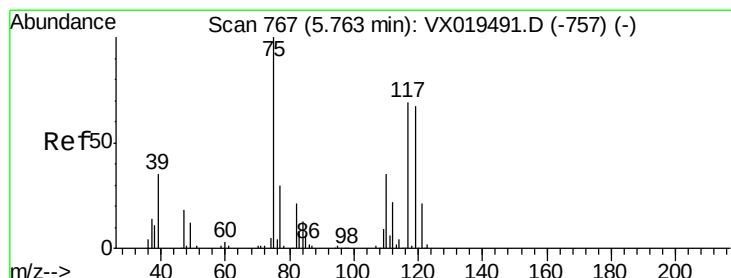
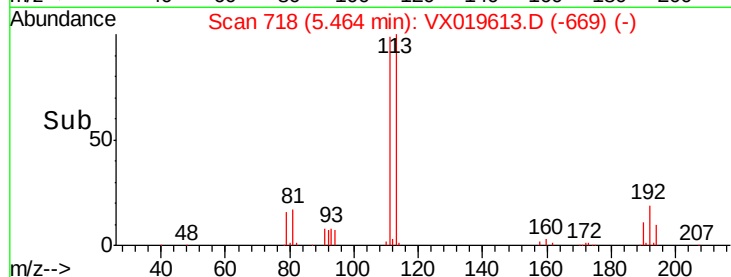
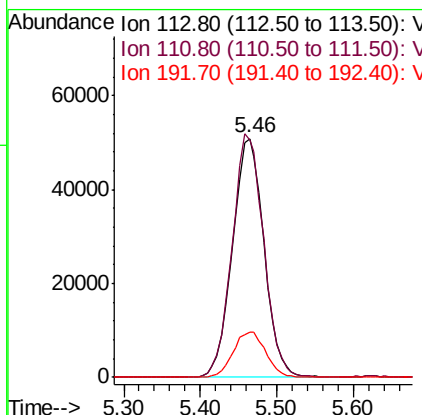
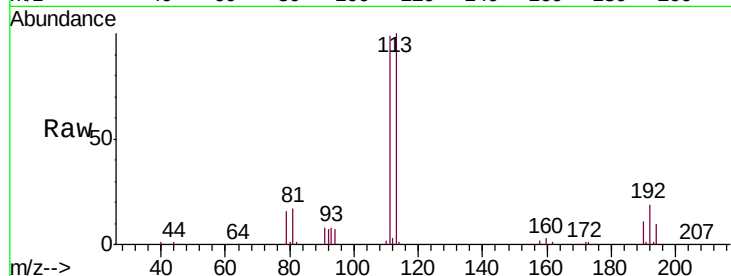




#35
 Dibromofluoromethane
 Concen: 47.695 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX019613.D
 Acq: 24 Nov 2020 18:15

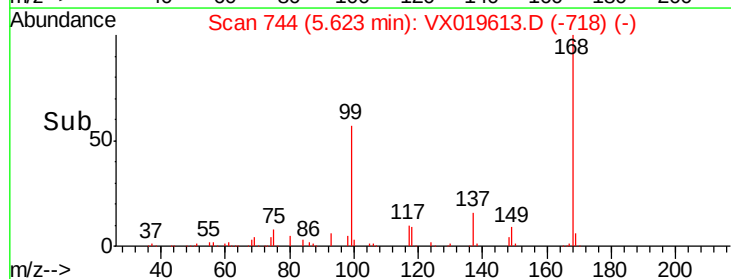
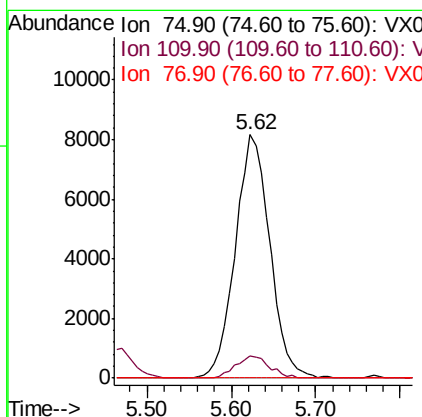
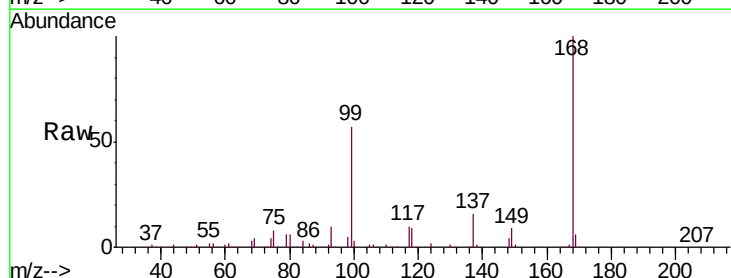
Instrument :
 MSVOA_X
 ClientSampleId :
 PH-TP

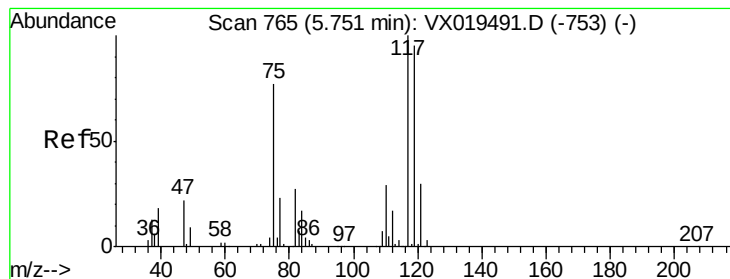
Tgt Ion: 113 Resp: 145423
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.5 122.3
 192 19.8 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.950 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.14 min
 Lab File: VX019613.D
 Acq: 24 Nov 2020 18:15

Tgt Ion: 75 Resp: 22541
 Ion Ratio Lower Upper
 75 100
 110 8.8 18.1 54.3#
 77 0.0 24.2 36.4#





#38

Carbon Tetrachloride

Concen: 6.528 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX019613.D

Acq: 24 Nov 2020 18:15

Instrument :

MSVOA_X

ClientSampled :

PH-TP

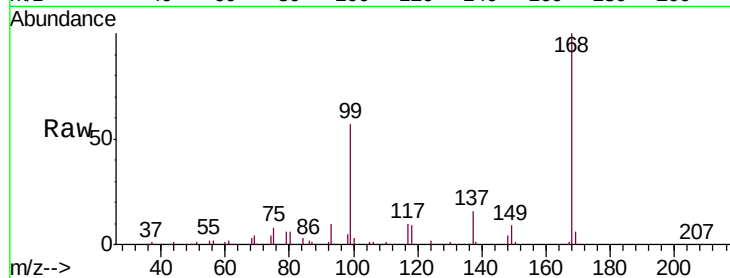
Tgt Ion:117 Resp: 28773

Ion Ratio Lower Upper

117 100

119 5.1 75.9 113.9#

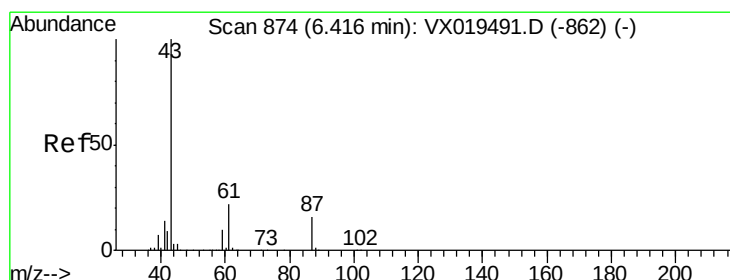
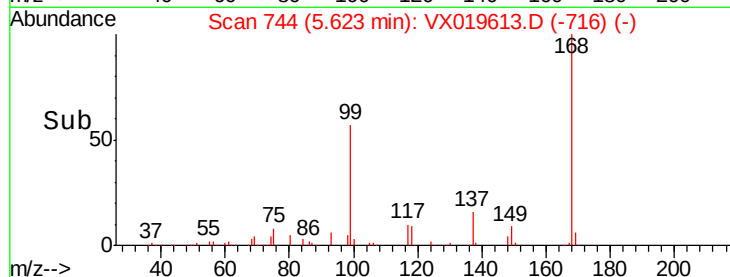
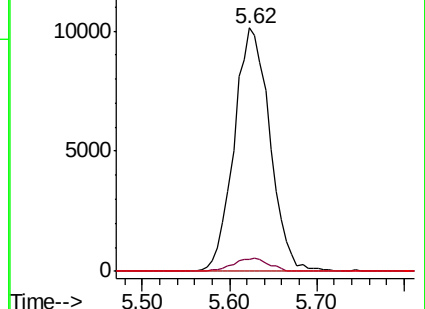
121 0.0 24.0 36.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 10.405 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX019613.D

Acq: 24 Nov 2020 18:15

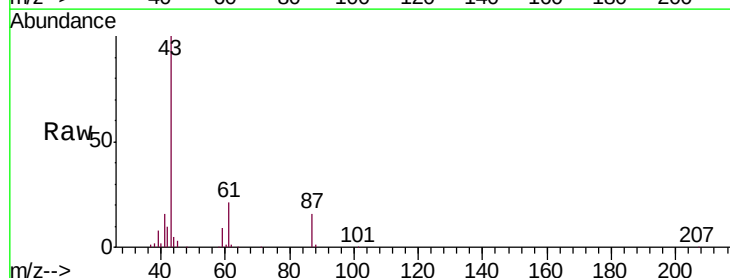
Tgt Ion: 43 Resp: 74775

Ion Ratio Lower Upper

43 100

61 22.4 18.2 27.2

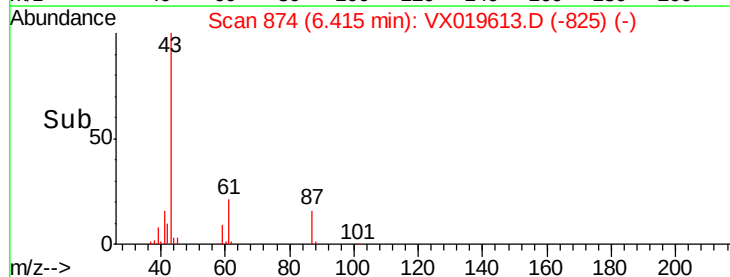
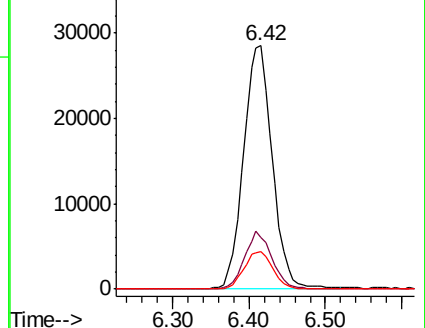
87 15.2 12.6 18.8

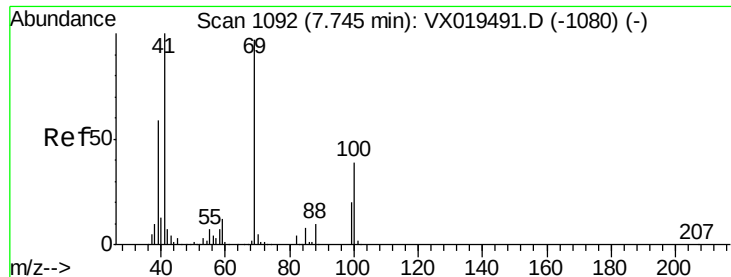


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

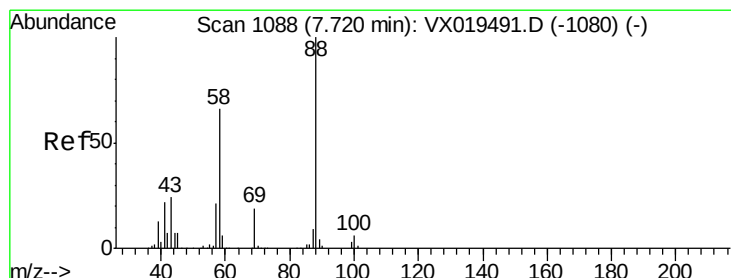
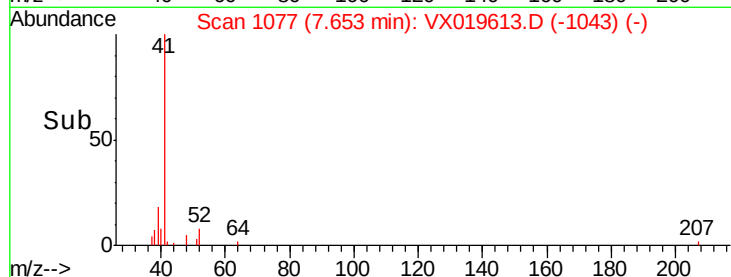
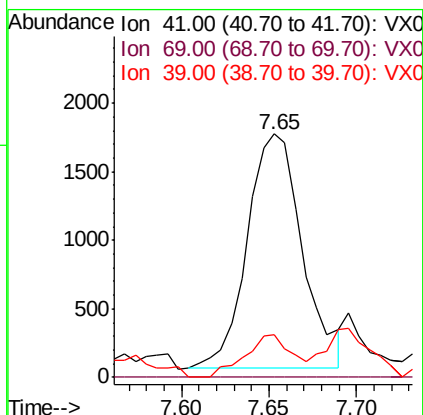
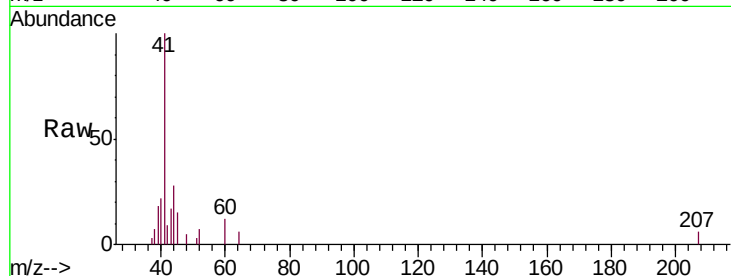




#48
Methyl methacrylate
Concen: 1.113 ug/l
RT: 7.65 min Scan# 1077
Delta R.T. -0.09 min
Lab File: VX019613.D
Acq: 24 Nov 2020 18:15

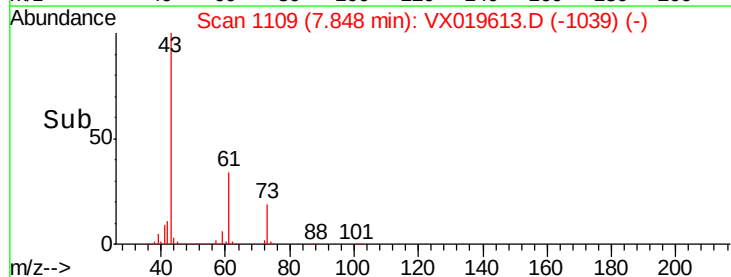
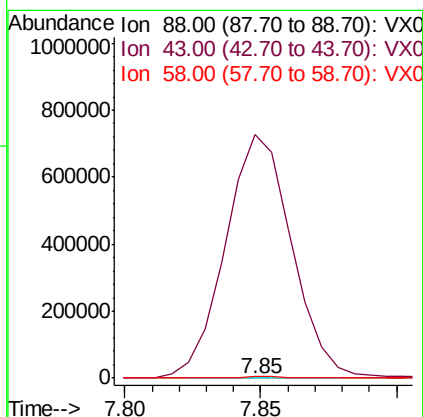
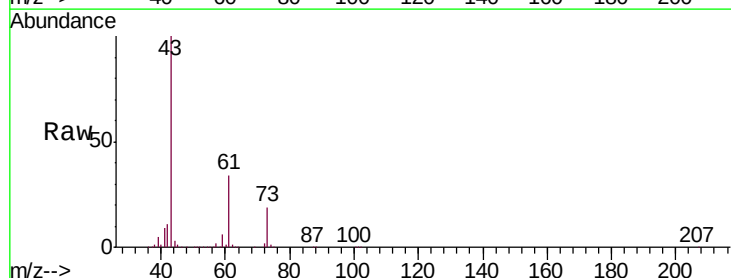
Instrument :
MSVOA_X
ClientSampleId :
PH-TP

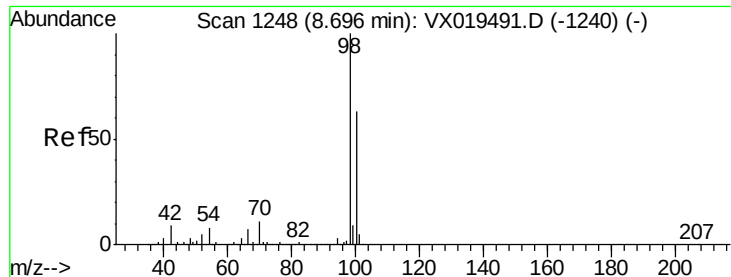
Tgt Ion: 41 Resp: 3747
Ion Ratio Lower Upper
41 100
69 0.0 77.0 115.6#
39 0.0 45.6 68.4#



#49
1,4-Dioxane
Concen: 3.010 ug/l
RT: 7.85 min Scan# 1109
Delta R.T. 0.13 min
Lab File: VX019613.D
Acq: 24 Nov 2020 18:15

Tgt Ion: 88 Resp: 230
Ion Ratio Lower Upper
88 100
43 539845.2 23.8 35.6#
58 2715.7 54.2 81.2#

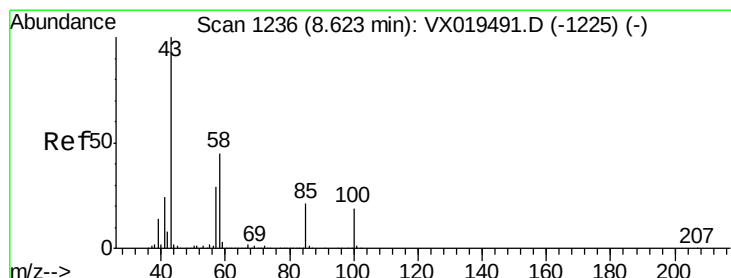
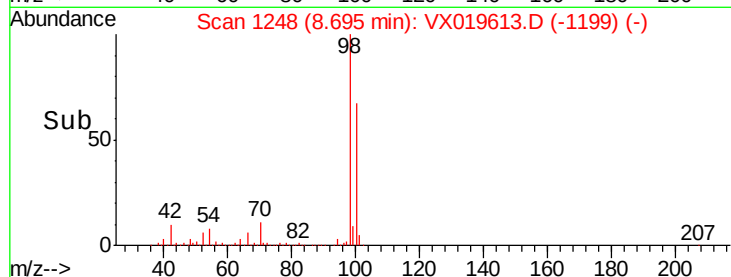
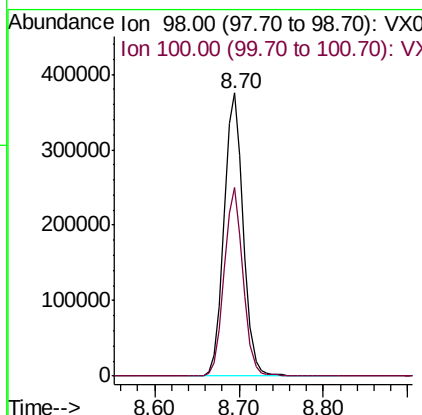
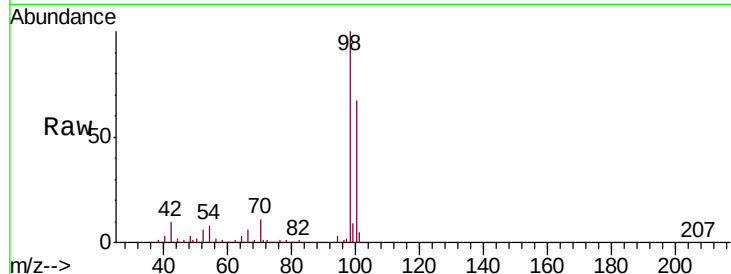




#50
Toluene-d8
Concen: 49.730 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019613.D
Acq: 24 Nov 2020 18:15

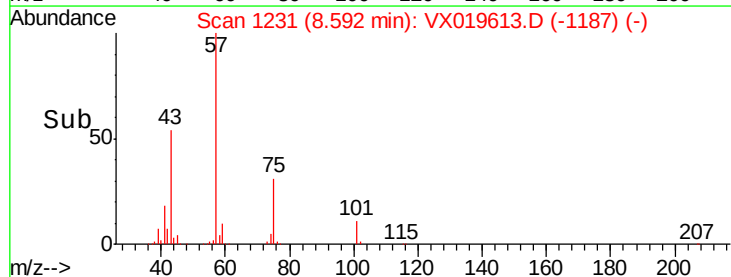
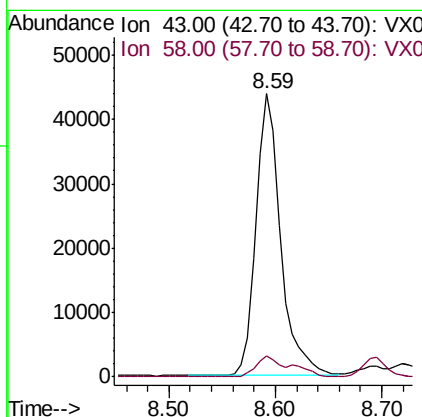
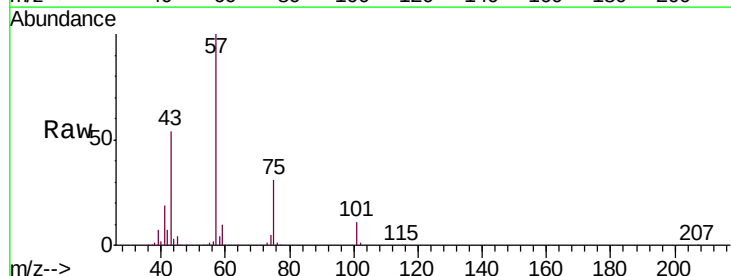
Instrument :
MSVOA_X
ClientSampleId :
PH-TP

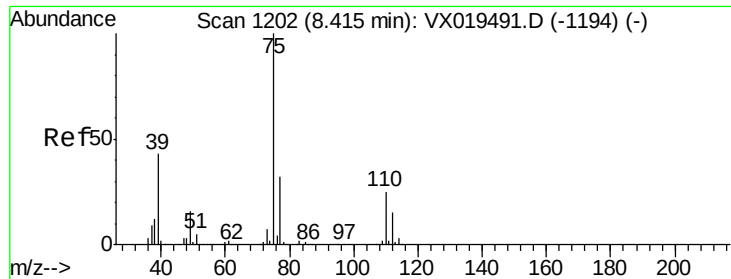
Tgt Ion: 98 Resp: 589219
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 17.016 ug/l
RT: 8.59 min Scan# 1231
Delta R.T. -0.03 min
Lab File: VX019613.D
Acq: 24 Nov 2020 18:15

Tgt Ion: 43 Resp: 71311
Ion Ratio Lower Upper
43 100
58 7.0 35.1 52.7#



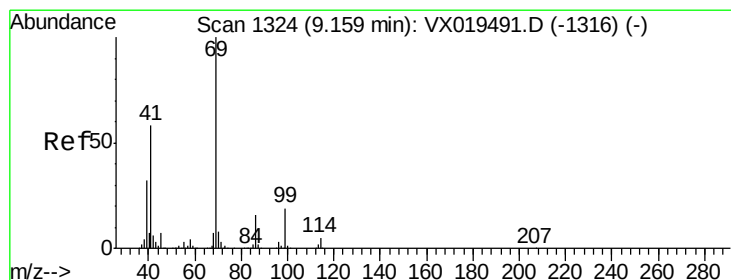
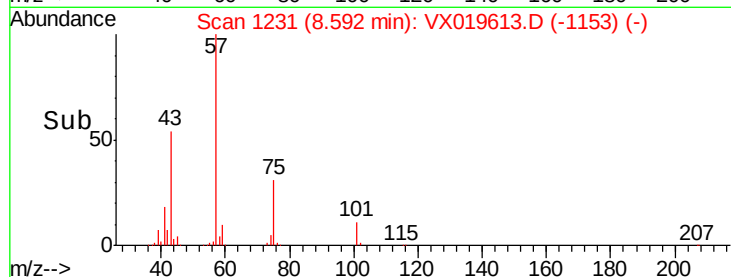
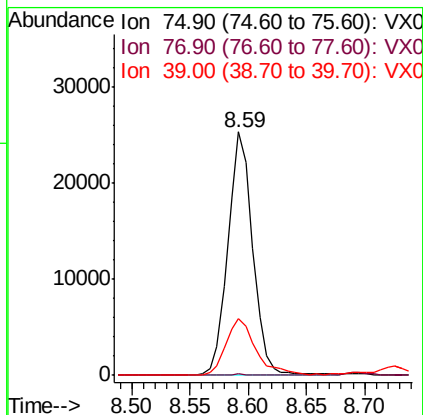
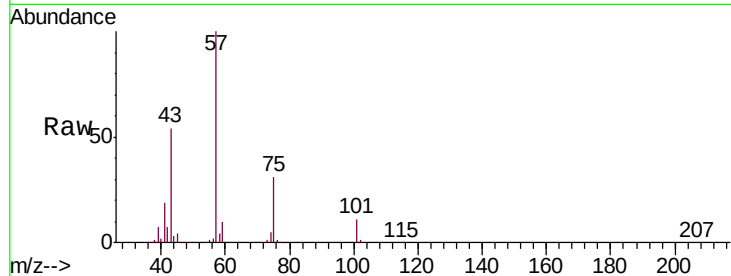


#54

cis-1,3-Dichloropropene
Concen: 6.836 ug/l
RT: 8.59 min Scan# 1231
Delta R.T. 0.18 min
Lab File: VX019613.D
Acq: 24 Nov 2020 18:15

Instrument :
MSVOA_X
ClientSampleId :
PH-TP

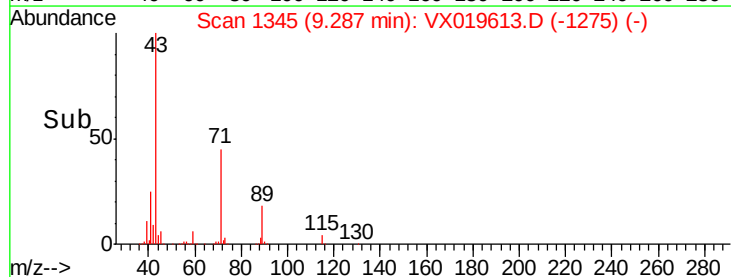
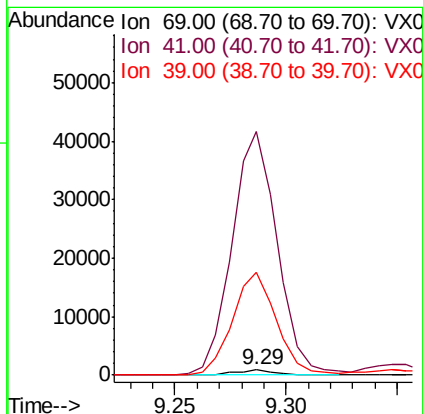
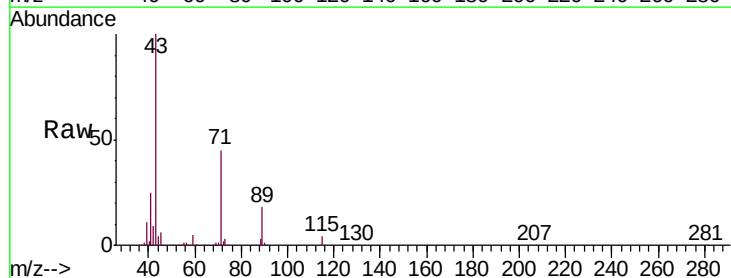
Tgt Ion: 75 Resp: 37479
Ion Ratio Lower Upper
75 100
77 0.6 25.8 38.6#
39 23.5 34.6 51.8#

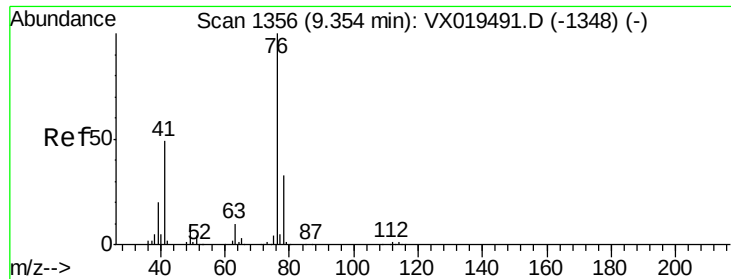


#56

Ethyl methacrylate
Concen: 0.227 ug/l
RT: 9.29 min Scan# 1345
Delta R.T. 0.13 min
Lab File: VX019613.D
Acq: 24 Nov 2020 18:15

Tgt Ion: 69 Resp: 1121
Ion Ratio Lower Upper
69 100
41 5245.3 46.2 69.2#
39 2171.0 25.5 38.3#





#57

1,3-Dichloropropane

Concen: 1.050 ug/l

RT: 9.52 min Scan# 1383

Delta R.T. 0.16 min

Lab File: VX019613.D

Acq: 24 Nov 2020 18:15

Instrument :

MSVOA_X

ClientSampleId :

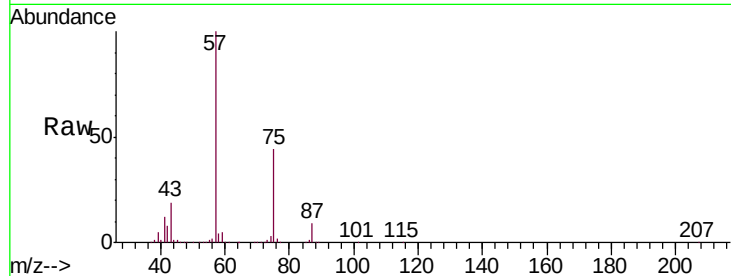
PH-TP

Tgt Ion: 76 Resp: 6129

Ion Ratio Lower Upper

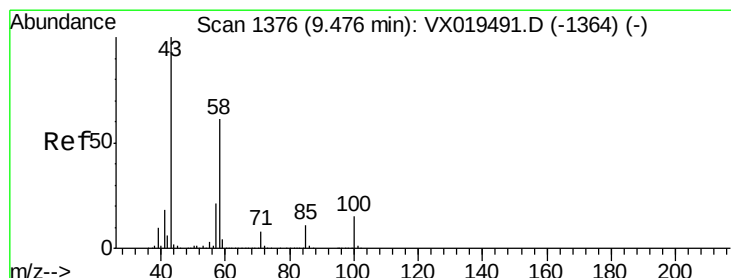
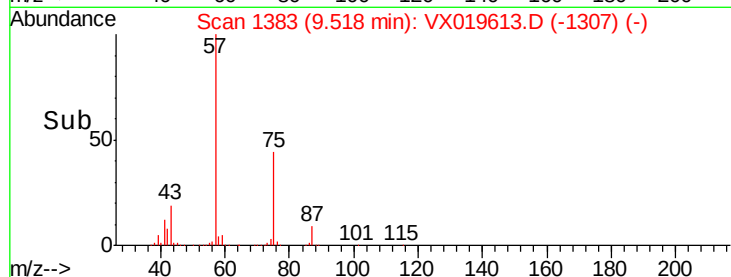
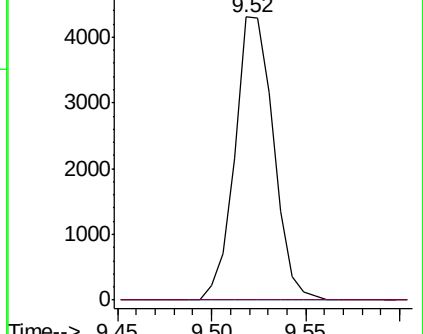
76 100

78 0.0 25.7 38.5#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#59

2-Hexanone

Concen: 23.238 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.05 min

Lab File: VX019613.D

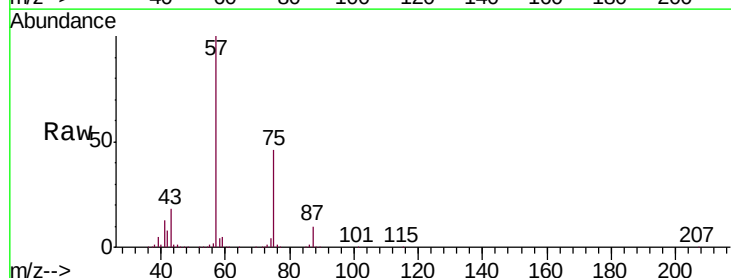
Acq: 24 Nov 2020 18:15

Tgt Ion: 43 Resp: 73859

Ion Ratio Lower Upper

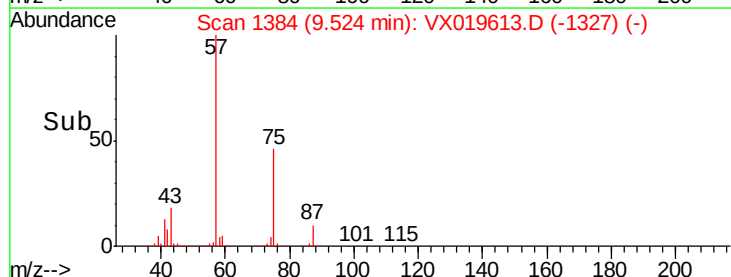
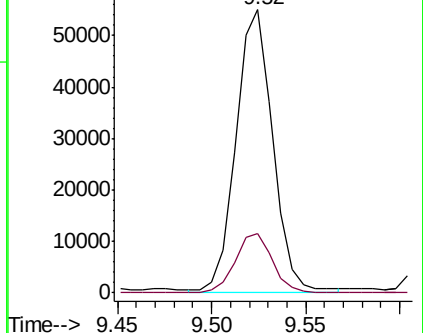
43 100

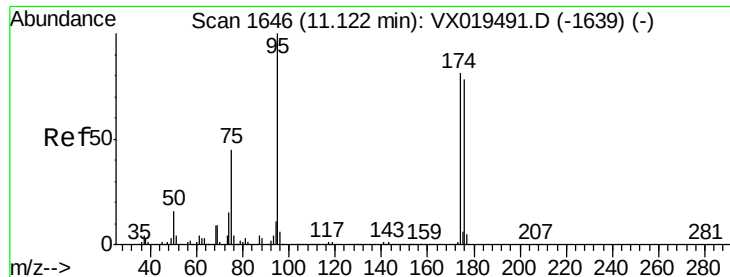
58 20.7 30.6 91.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 46.234 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019613.D

Acq: 24 Nov 2020 18:15

Instrument :

MSVOA_X

ClientSampleId :

PH-TP

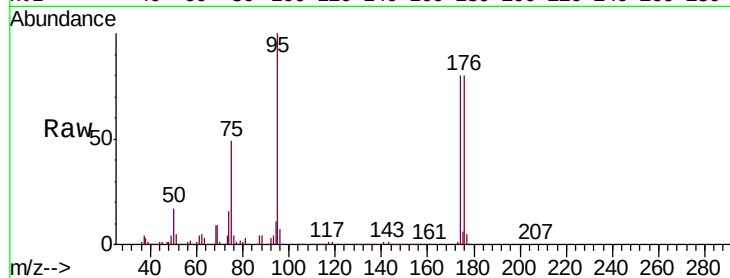
Tgt Ion: 95 Resp: 197090

Ion Ratio Lower Upper

95 100

174 77.1 0.0 156.2

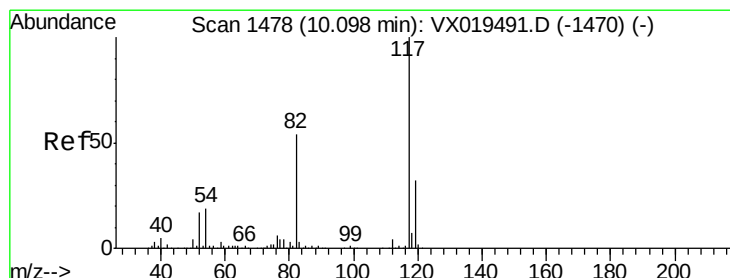
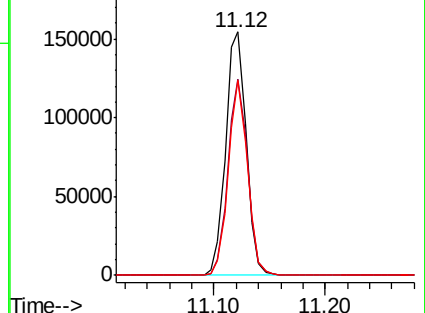
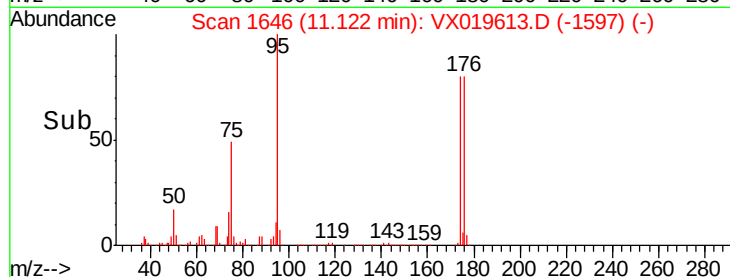
176 74.7 0.0 151.4



Abundance Ion 94.90 (94.60 to 95.60): VX019613.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX019613.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX019613.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX019613.D

Acq: 24 Nov 2020 18:15

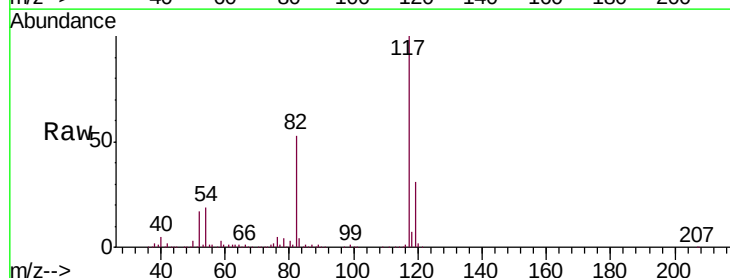
Tgt Ion: 117 Resp: 442264

Ion Ratio Lower Upper

117 100

82 53.1 43.0 64.4

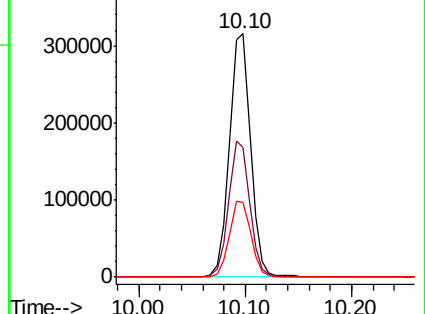
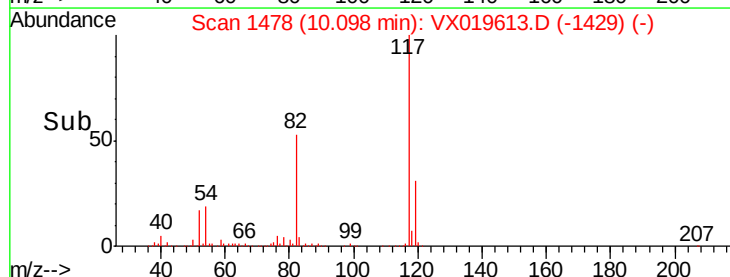
119 30.9 25.6 38.4

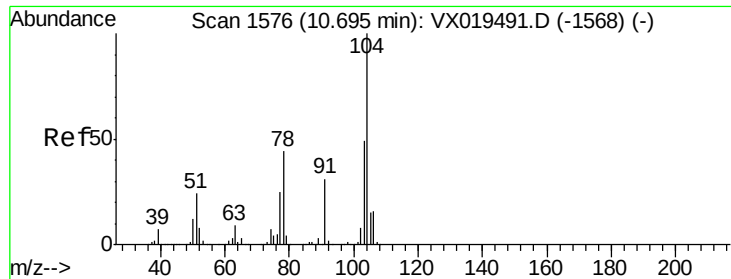


Abundance Ion 116.90 (116.60 to 117.60): VX019613.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX019613.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX019613.D (-1429) (-)

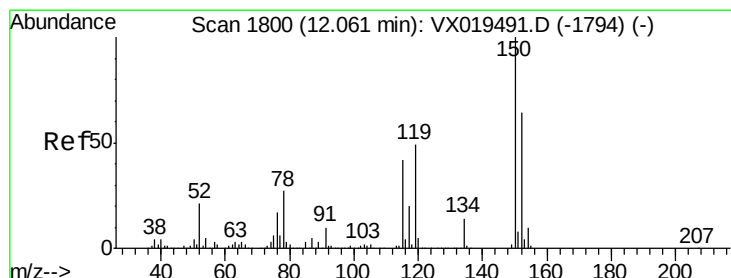
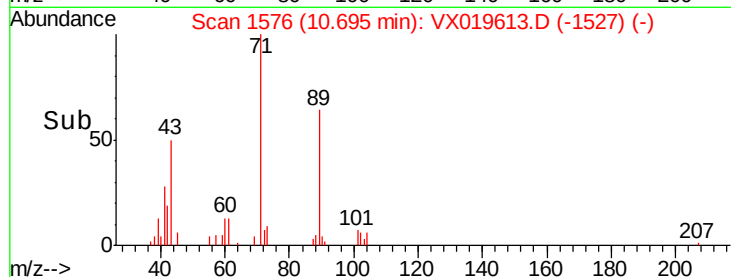
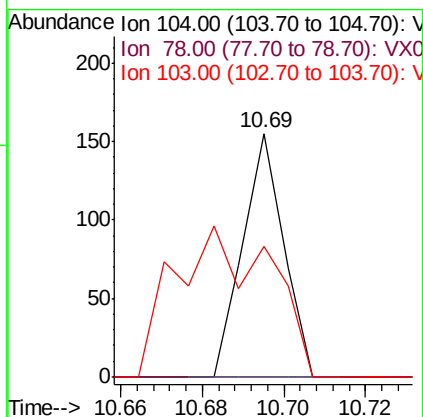
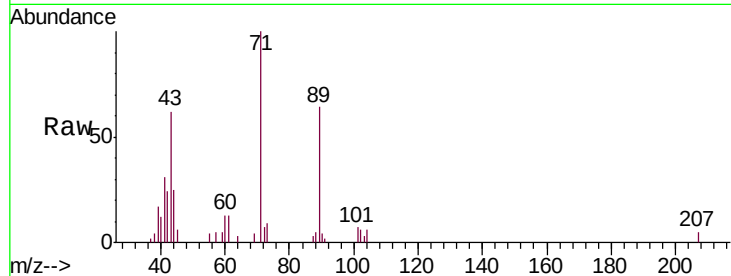




#70
Styrene
Concen: 1.656 ug/l
RT: 10.69 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX019613.D
Acq: 24 Nov 2020 18:15

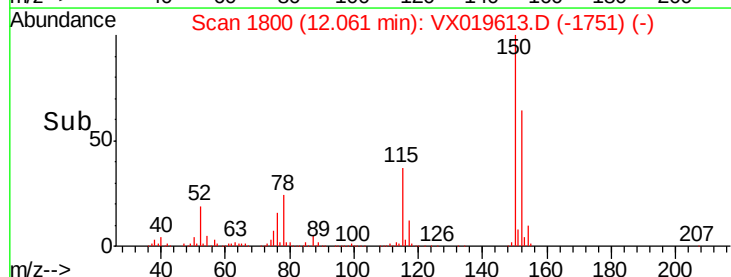
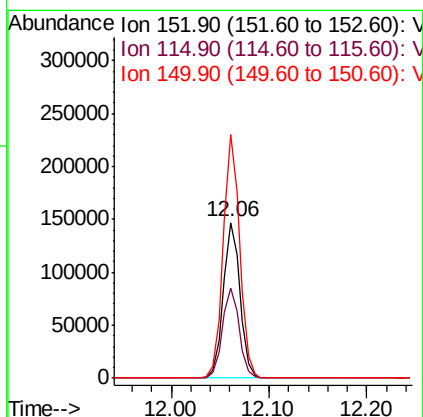
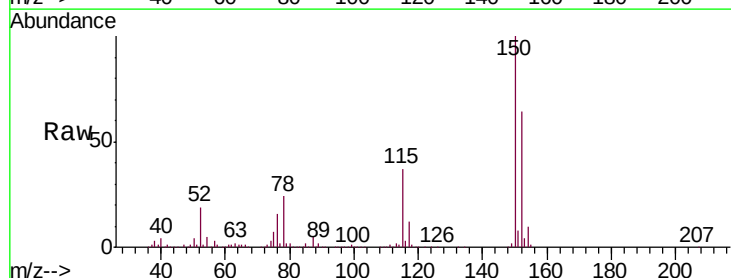
Instrument :
MSVOA_X
ClientSampled :
PH-TP

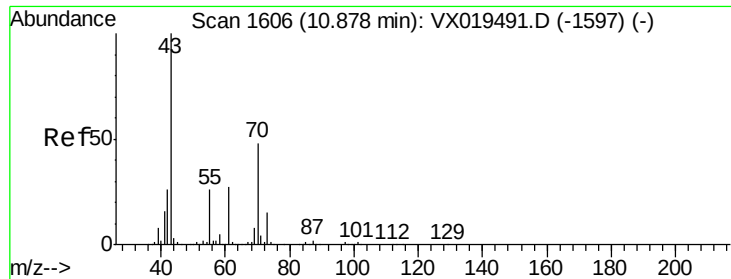
Tgt Ion:104 Resp: 108
Ion Ratio Lower Upper
104 100
78 0.0 39.5 59.3#
103 143.5 43.6 65.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019613.D
Acq: 24 Nov 2020 18:15

Tgt Ion:152 Resp: 173090
Ion Ratio Lower Upper
152 100
115 58.6 41.8 125.4
150 155.2 0.0 348.2





#74

N-amyI acetate

Concen: 0.668 ug/l

RT: 10.80 min Scan# 1594

Delta R.T. -0.07 min

Lab File: VX019613.D

Acq: 24 Nov 2020 18:15

Instrument :

MSVOA_X

ClientSampleId :

PH-TP

Tgt Ion: 43 Resp: 2998

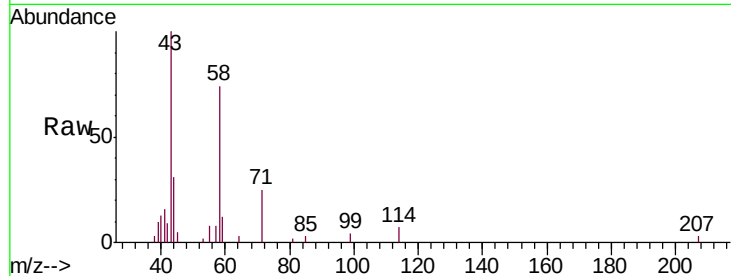
Ion Ratio Lower Upper

43 100

70 0.0 39.7 59.5#

55 10.5 21.8 32.6#

61 0.0 22.2 33.4#

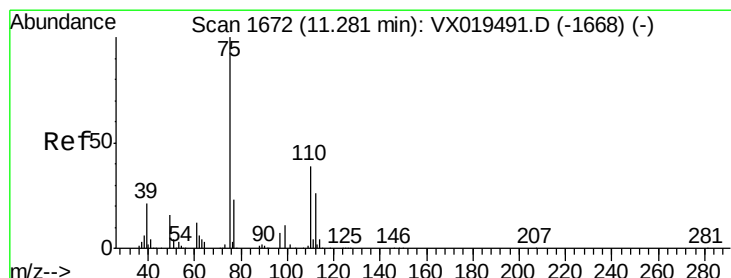
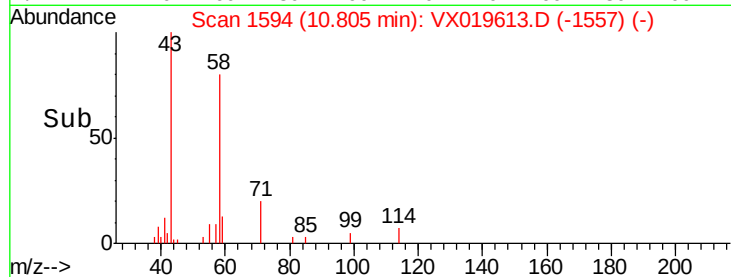
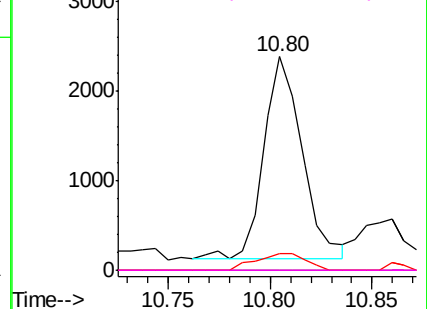


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 25.359 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019613.D

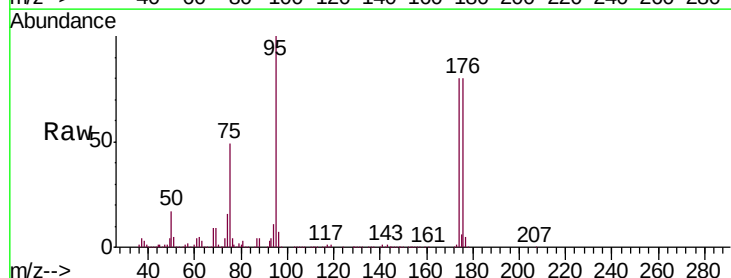
Acq: 24 Nov 2020 18:15

Tgt Ion: 75 Resp: 95790

Ion Ratio Lower Upper

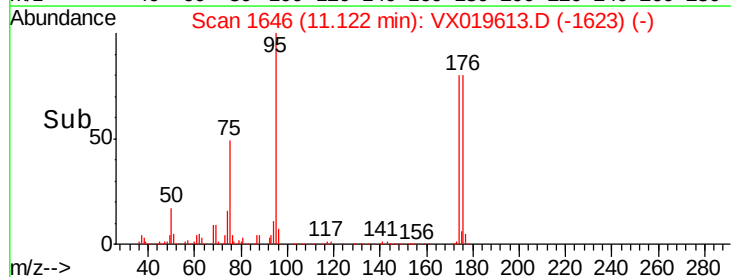
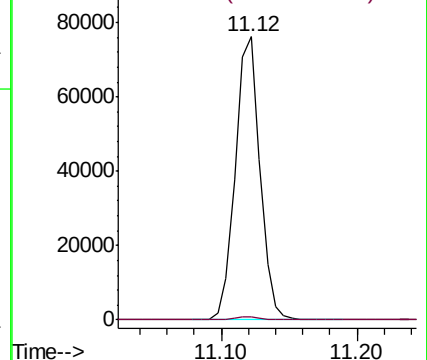
75 100

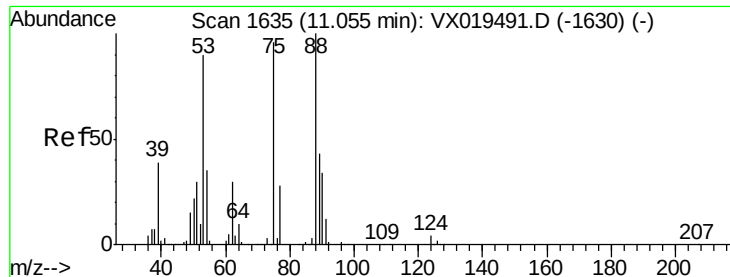
77 1.2 20.0 60.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

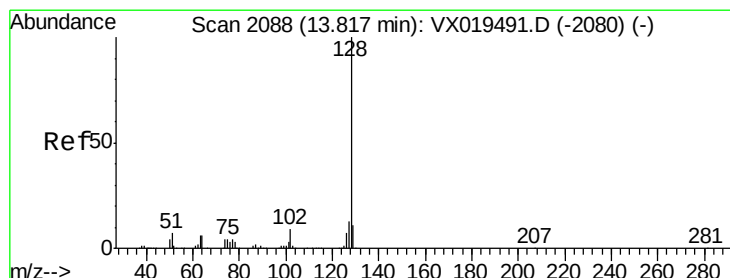
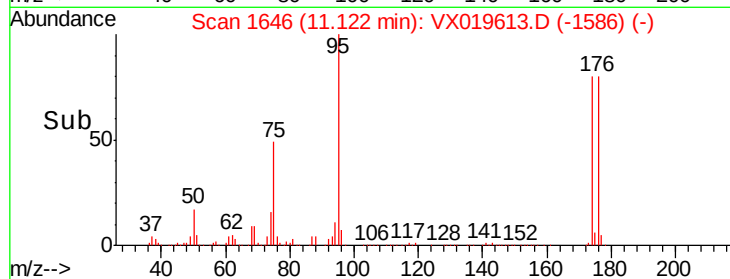
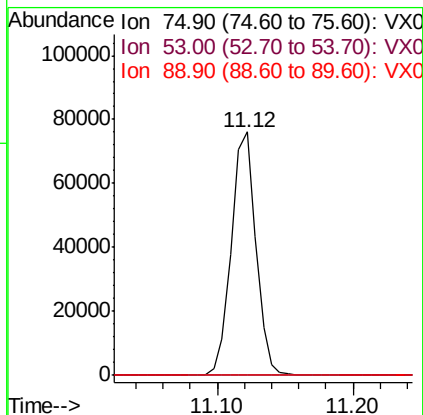
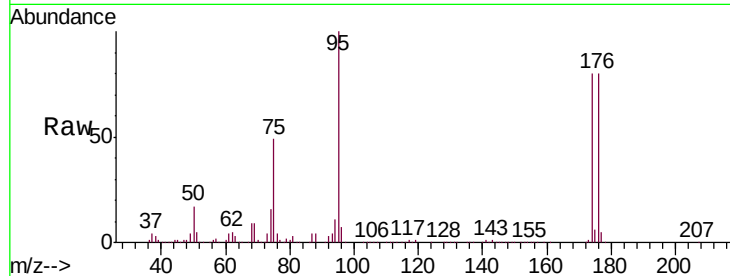




#81
trans-1,4-Dichloro-2-butene
Concen: 66.926 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.07 min
Lab File: VX019613.D
Acq: 24 Nov 2020 18:15

Instrument :
MSVOA_X
ClientSampled :
PH-TP

Tgt Ion: 75 Resp: 95790
Ion Ratio Lower Upper
75 100
53 0.0 73.9 110.9#
89 0.0 37.3 55.9#



#95
Naphthalene
Concen: 2.198 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX019613.D
Acq: 24 Nov 2020 18:15

Tgt Ion: 128 Resp: 261
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.7 13.1#

