

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112320\
 Data File : VX019586.D
 Acq On : 24 Nov 2020 05:52
 Operator : JC/MD
 Sample : L4848-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TR5-3-TOP

Quant Time: Nov 24 06:59:20 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	5.63	168	316820	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	515332	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	445152	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	171744	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	192980	46.98	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.96%		
35) Dibromofluoromethane	5.46	113	152037	47.00	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.00%		
50) Toluene-d8	8.70	98	616738	49.06	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.12%		
62) 4-Bromofluorobenzene	11.12	95	199168	44.04	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	88.08%		

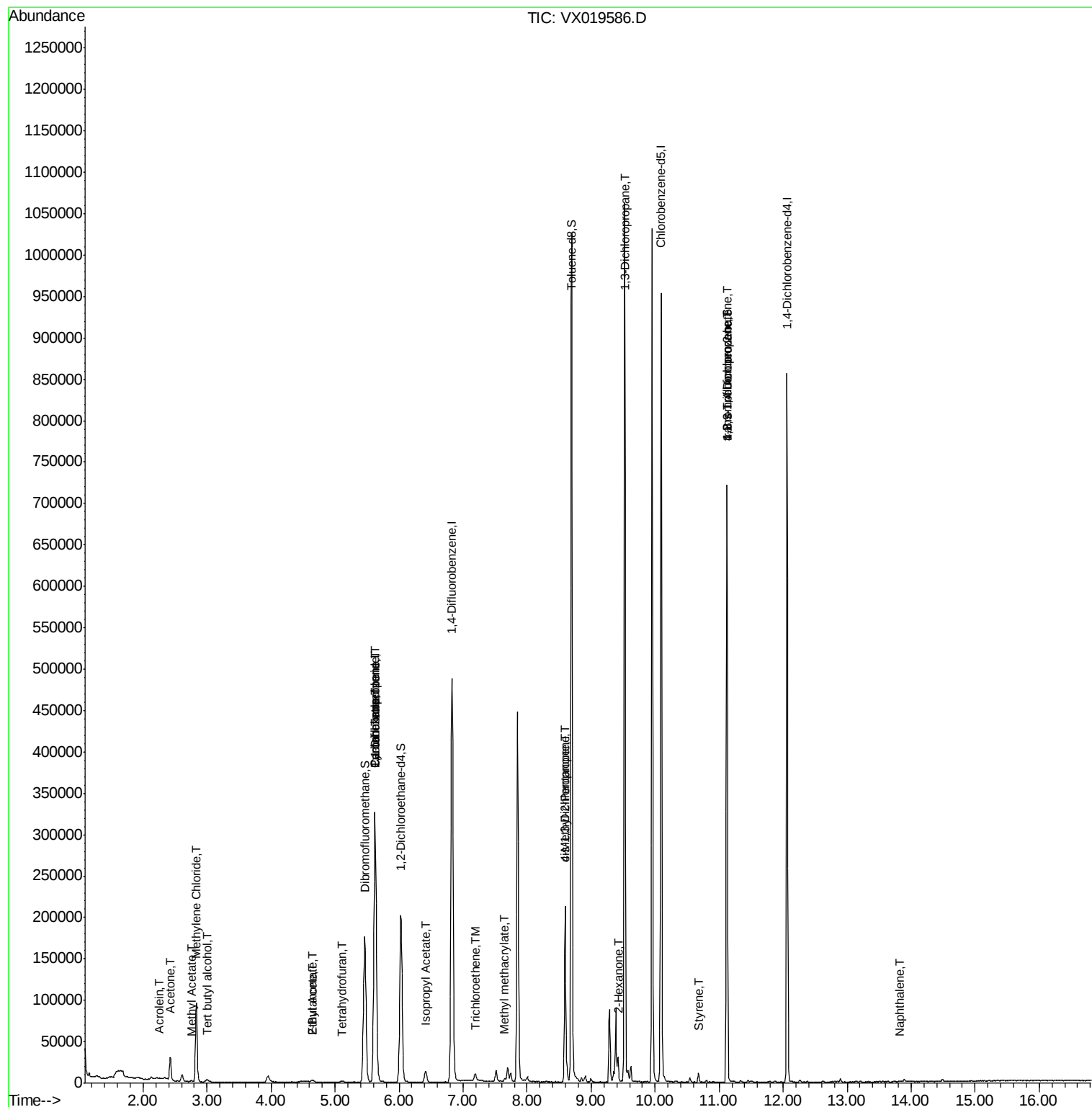
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.69	64	376	Below Cal	#	87
11) Tert butyl alcohol	3.00	59	1988	2.557	ug/l #	73
13) Acrolein	2.26	56	172	0.329	ug/l #	43
16) Acetone	2.42	43	30474	19.183	ug/l	99
18) Methyl Acetate	2.75	43	2234	1.201	ug/l	98
20) Methylene Chloride	2.83	84	46676	11.756	ug/l	98
25) 2-Butanone	4.65	43	4525	1.896	ug/l	96
29) Tetrahydrofuran	5.10	42	1540	1.011	ug/l #	72
31) Cyclohexane	5.62	56	6055	1.133	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	23634	4.892	ug/l #	50
37) Ethyl Acetate	4.65	43	4525	0.998	ug/l #	65
38) Carbon Tetrachloride	5.63	117	30711	6.567	ug/l #	16
43) Isopropyl Acetate	6.42	43	18935	2.484	ug/l	98
44) Trichloroethene	7.18	130	1769	0.455	ug/l	93
48) Methyl methacrylate	7.65	41	5959	1.669	ug/l #	15
51) 4-Methyl-2-Pentanone	8.59	43	70109	15.769	ug/l #	42
54) cis-1,3-Dichloropropene	8.59	75	36652	6.301	ug/l #	60
57) 1,3-Dichloropropane	9.52	76	9766	1.577	ug/l #	43
59) 2-Hexanone	9.42	43	17455	5.177	ug/l #	20
70) Styrene	10.69	104	108	1.656	ug/l #	54
76) 1,2,3-Trichloropropane	11.12	75	98048	26.160	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	98048	68.907	ug/l #	12
95) Naphthalene	13.82	128	732	2.233	ug/l #	79

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX112320\
Data File : VX019586.D
Acq On : 24 Nov 2020 05:52
Operator : JC/MD
Sample : L4848-08
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TR5-3-TOP

Quant Time: Nov 24 06:59:20 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 21 01:57:45 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019586.D

Acq: 24 Nov 2020 05:52

Instrument :

MSVOA_X

ClientSampleId :

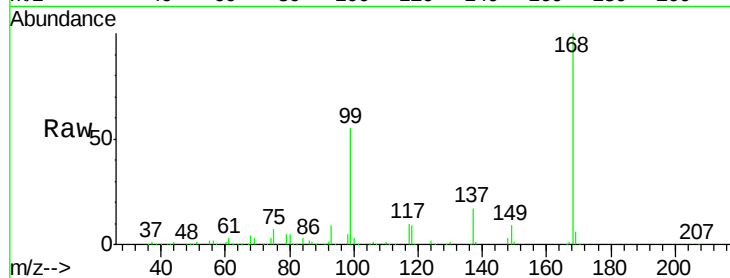
TR5-3-TOP

Tot Ion:168 Resp: 316820

Ion Ratio Lower Upper

168 100

99 54.9 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

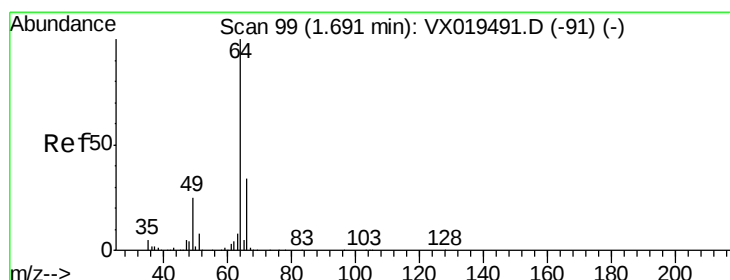
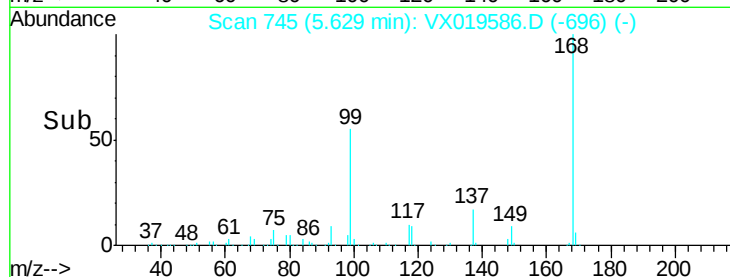
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 99

Delta R.T. 0.00 min

Lab File: VX019586.D

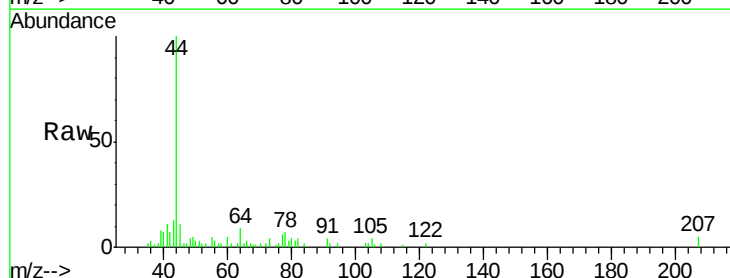
Acq: 24 Nov 2020 05:52

Tgt Ion: 64 Resp: 376

Ion Ratio Lower Upper

64 100

66 26.5 27.1 40.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.69

400

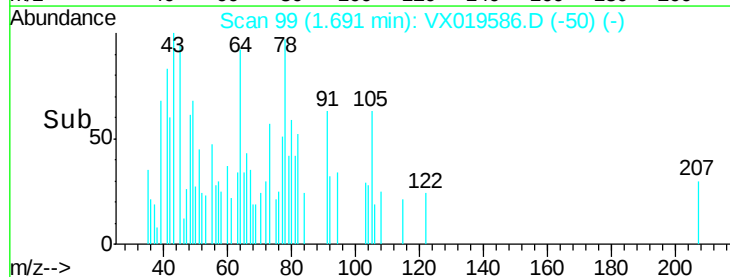
300

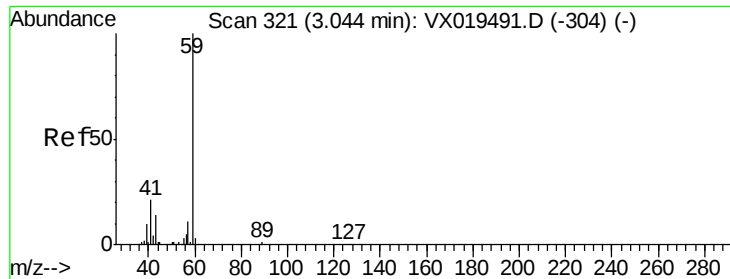
200

100

0

Time-->

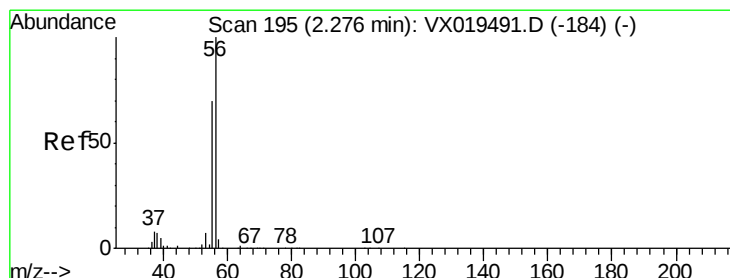
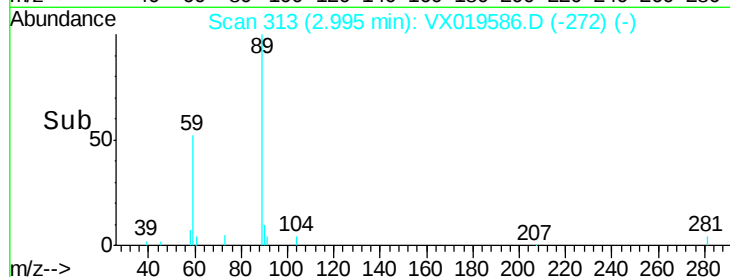
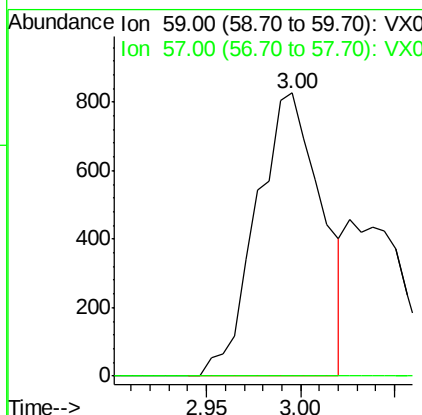
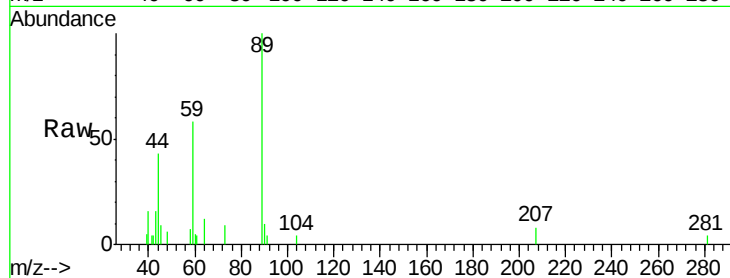




#11
Tert butyl alcohol
Concen: 2.557 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.05 min
Lab File: VX019586.D
Acq: 24 Nov 2020 05:52

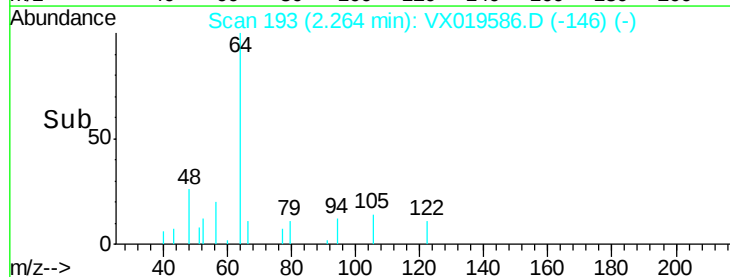
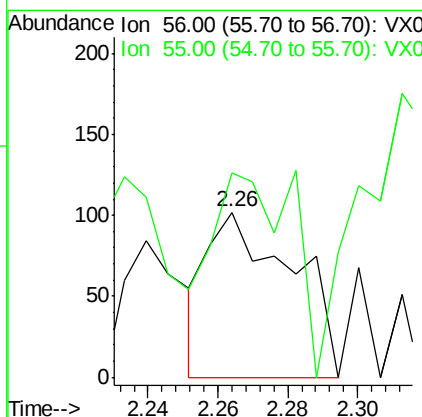
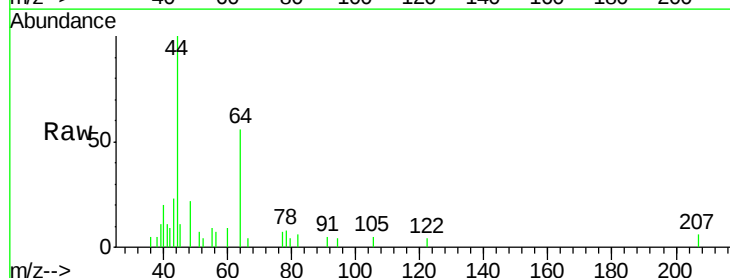
Instrument :
MSVOA_X
ClientSampled :
TR5-3-TOP

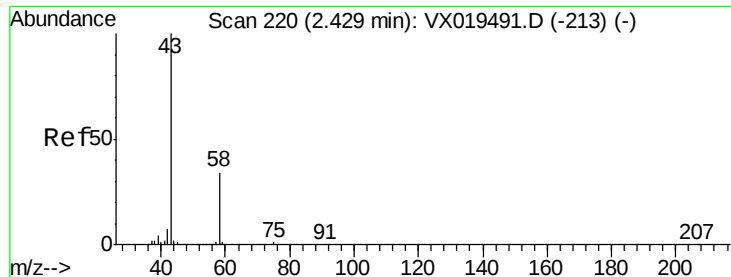
Tot Ion: 59 Resp: 1988
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#



#13
Acrolein
Concen: 0.329 ug/l
RT: 2.26 min Scan# 193
Delta R.T. -0.01 min
Lab File: VX019586.D
Acq: 24 Nov 2020 05:52

Tgt Ion: 56 Resp: 172
Ion Ratio Lower Upper
56 100
55 115.7 55.5 83.3#





#16

Acetone

Concen: 19.183 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.01 min

Lab File: VX019586.D

Acq: 24 Nov 2020 05:52

Instrument :

MSVOA_X

ClientSampleId :

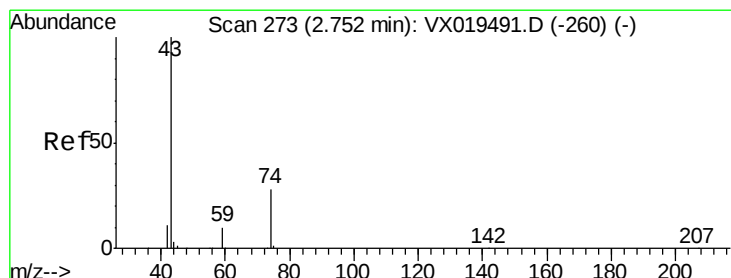
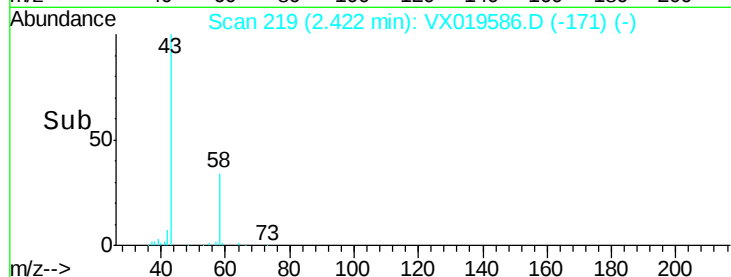
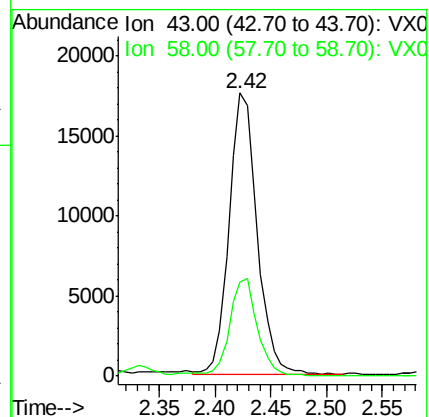
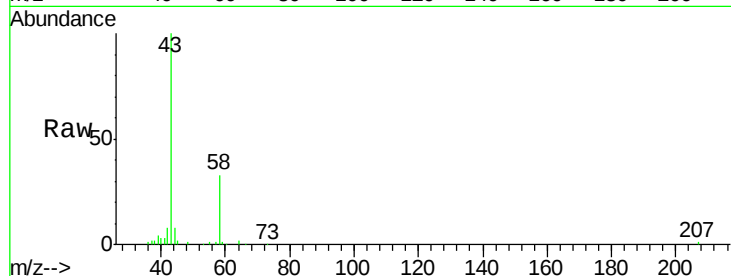
TR5-3-TOP

Tot Ion: 43 Resp: 30474

Ion Ratio Lower Upper

43 100

58 33.5 27.4 41.2



#18

Methyl Acetate

Concen: 1.201 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX019586.D

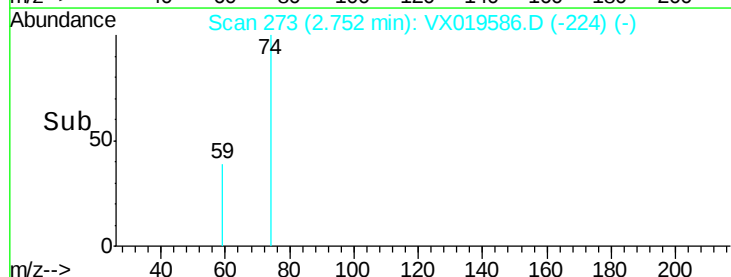
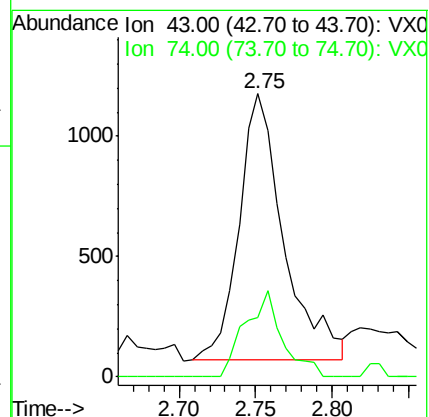
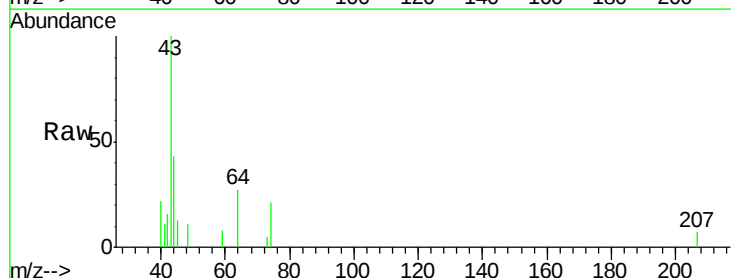
Acq: 24 Nov 2020 05:52

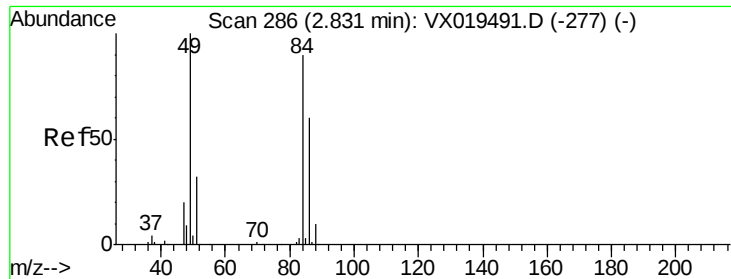
Tgt Ion: 43 Resp: 2234

Ion Ratio Lower Upper

43 100

74 27.0 22.2 33.4

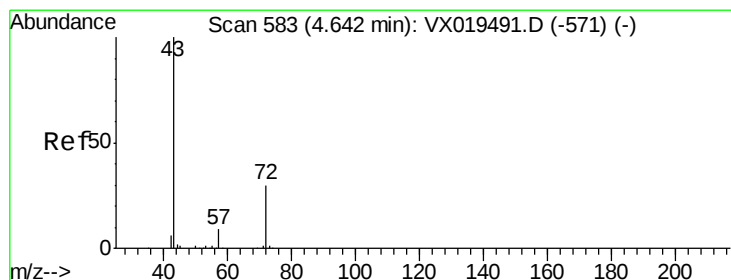
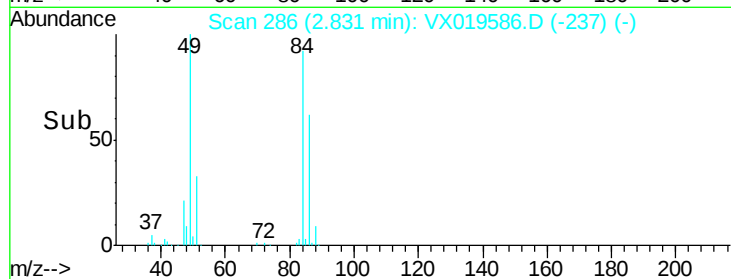
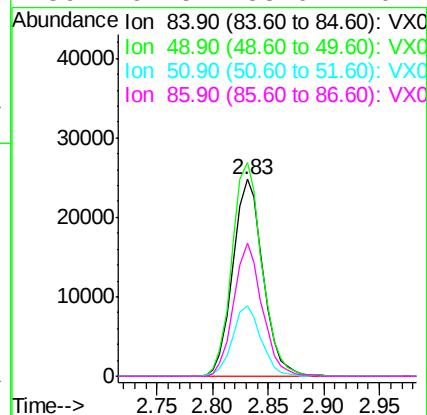
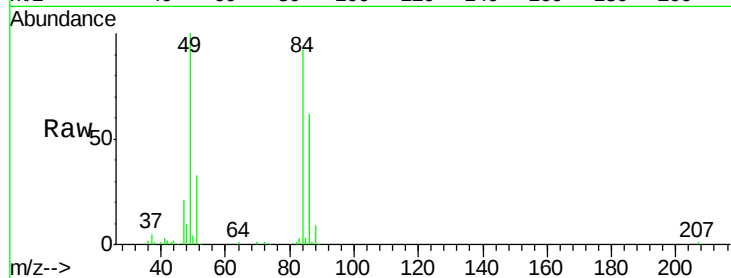




#20
Methvlene Chloride
Concen: 11.756 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX019586.D
Acq: 24 Nov 2020 05:52

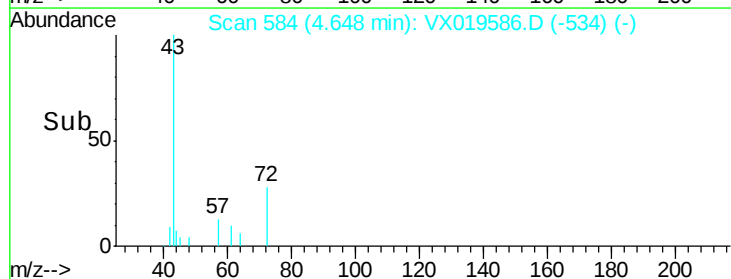
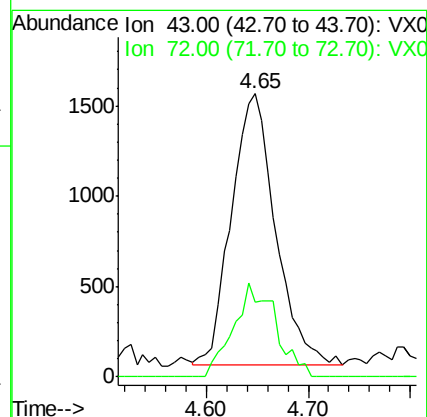
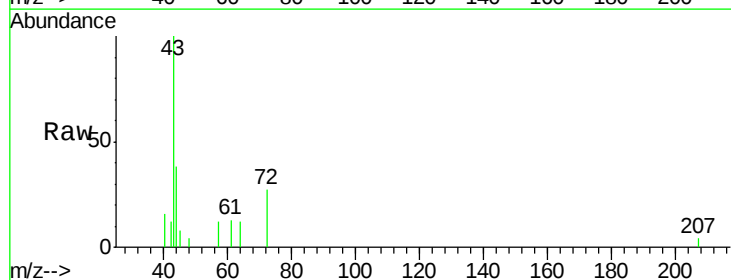
Instrument :
MSVOA_X
ClientSampled :
TR5-3-TOP

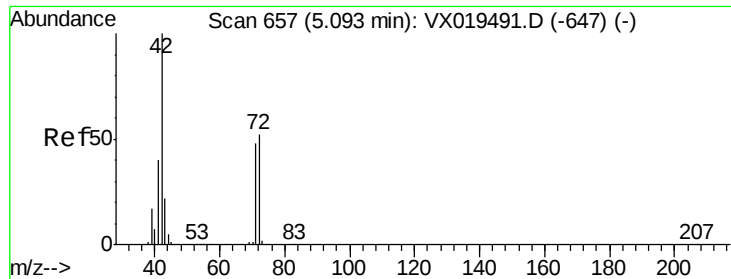
Tot Ion:	84	Resp:	46676
Ion	Ratio	Lower	Upper
84	100		
49	108.6	88.5	132.7
51	35.6	28.0	42.0
86	67.5	53.0	79.4



#25
2-Butanone
Concen: 1.896 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX019586.D
Acq: 24 Nov 2020 05:52

Tgt Ion:	43	Resp:	4525
Ion	Ratio	Lower	Upper
43	100		
72	27.7	24.0	36.0

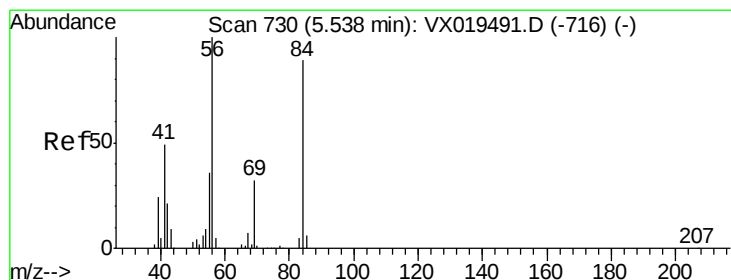
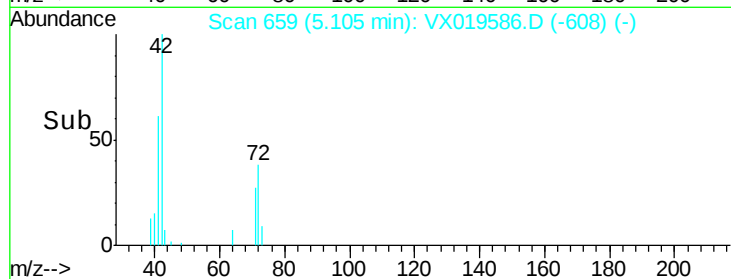
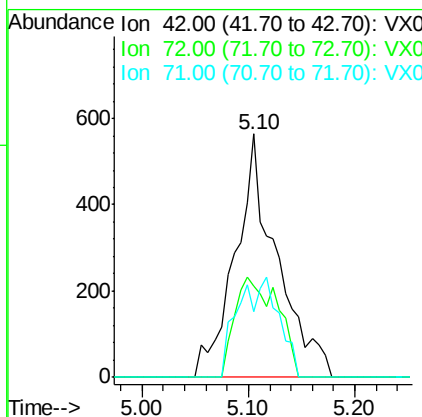
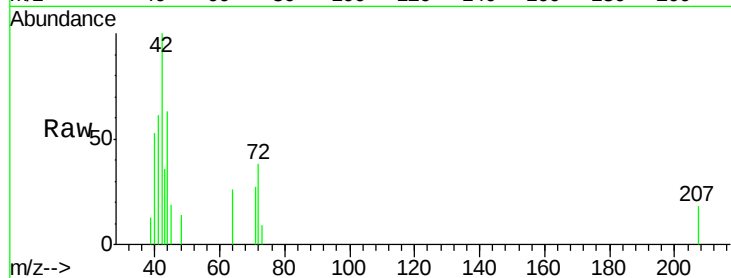




#29
Tetrahydrofuran
Concen: 1.011 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX019586.D
Acq: 24 Nov 2020 05:52

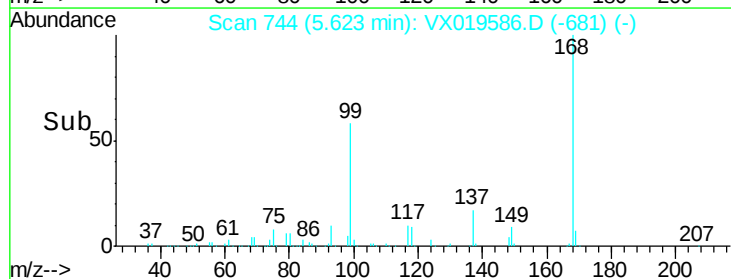
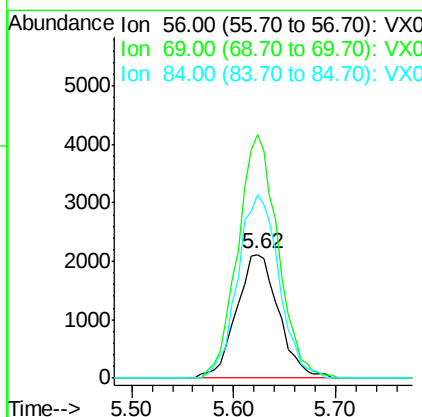
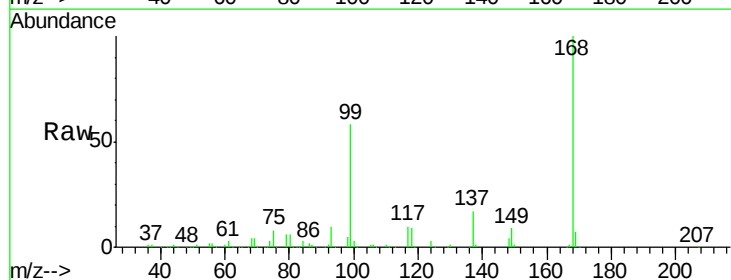
Instrument :
MSVOA_X
ClientSampleId :
TR5-3-TOP

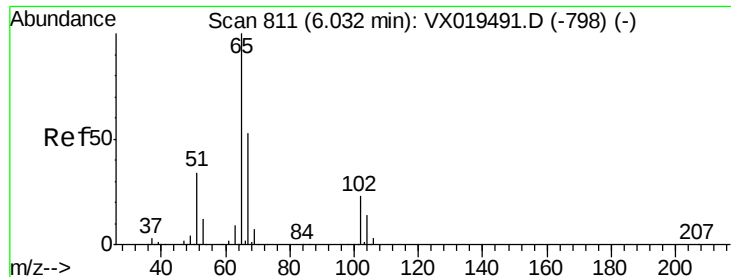
Tot Ion	Ratio	Lower	Upper
42	100		
72	42.8	42.6	63.8
71	19.2	39.0	58.6#



#31
Cyclohexane
Concen: 1.133 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.09 min
Lab File: VX019586.D
Acq: 24 Nov 2020 05:52

Tgt Ion	Ratio	Lower	Upper
56	100		
69	197.0	25.5	38.3#
84	148.7	71.1	106.7#

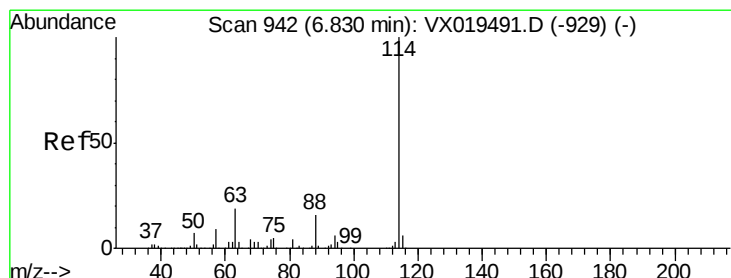
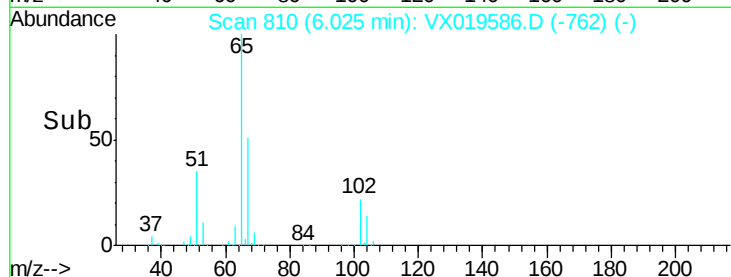
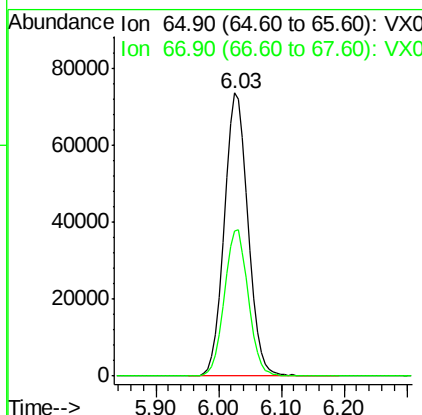
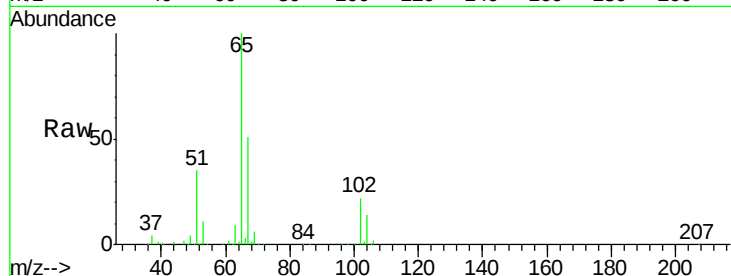




#33
 1,2-Dichloroethane-d4
 Concen: 46.978 ug/l
 RT: 6.03 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: VX019586.D
 Acq: 24 Nov 2020 05:52

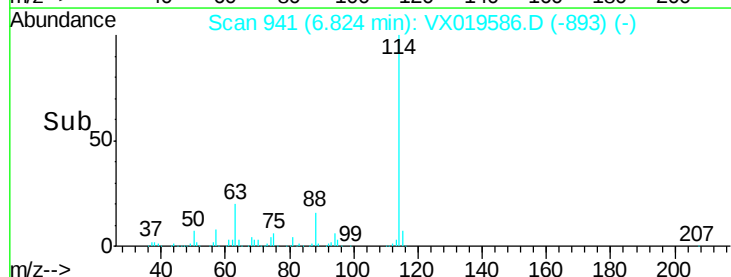
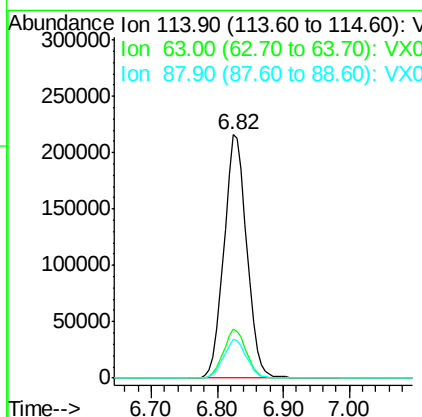
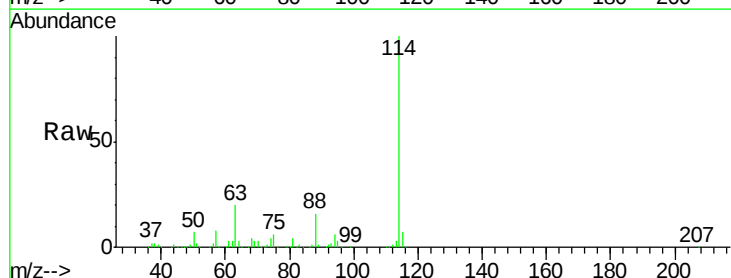
Instrument :
 MSVOA_X
 ClientSampleId :
 TR5-3-TOP

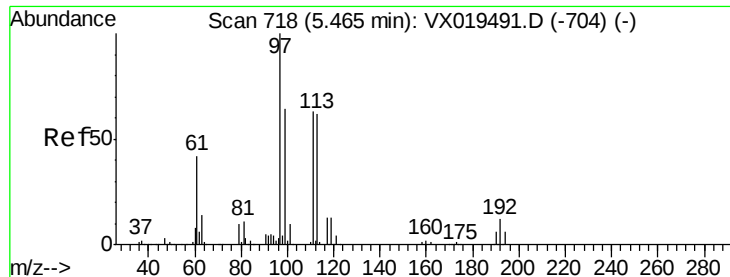
Tot Ion: 65 Resp: 192980
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.82 min Scan# 941
 Delta R.T. -0.01 min
 Lab File: VX019586.D
 Acq: 24 Nov 2020 05:52

Tgt Ion: 114 Resp: 515332
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 38.8
 88 16.0 0.0 31.6





#35

Dibromofluoromethane

Concen: 47.001 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019586.D

Acq: 24 Nov 2020 05:52

Instrument :

MSVOA_X

ClientSampleId :

TR5-3-TOP

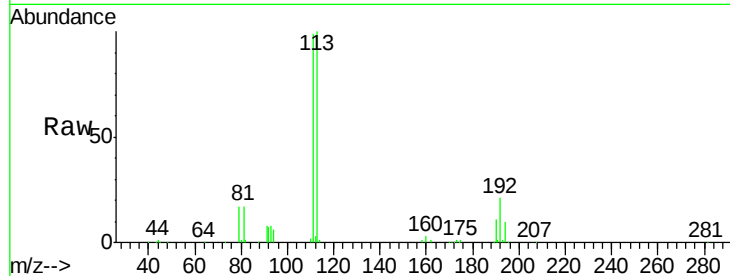
Tot Ion:113 Resp: 152037

Ion Ratio Lower Upper

113 100

111 101.7 81.5 122.3

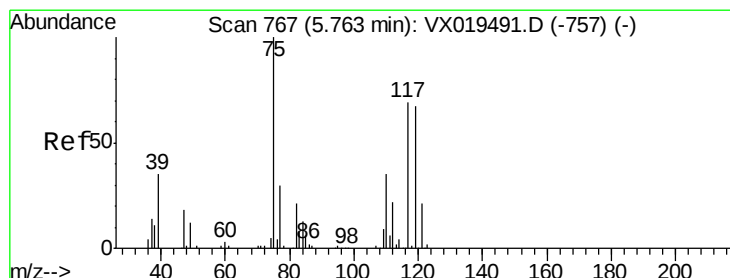
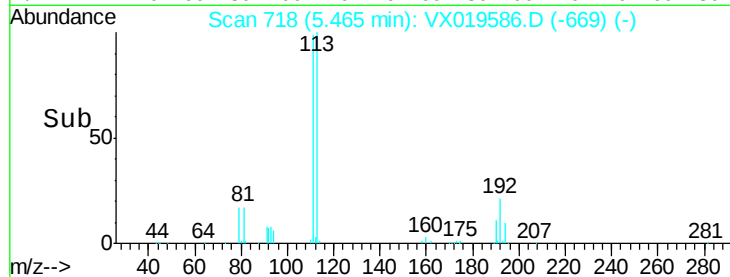
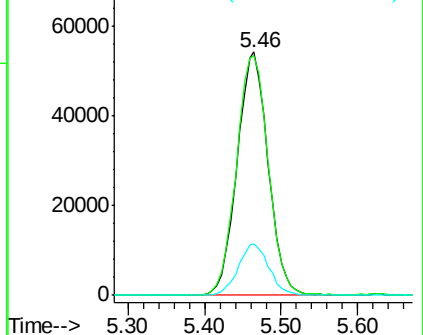
192 20.9 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.892 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.14 min

Lab File: VX019586.D

Acq: 24 Nov 2020 05:52

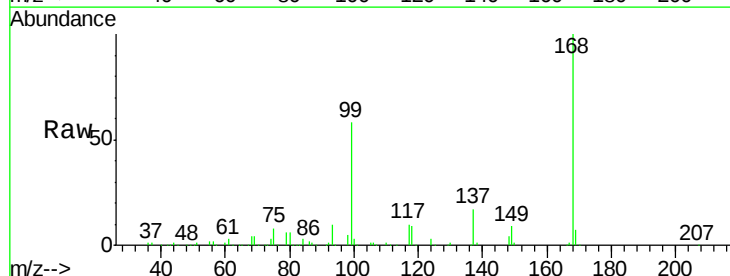
Tgt Ion: 75 Resp: 23634

Ion Ratio Lower Upper

75 100

110 9.2 18.1 54.3#

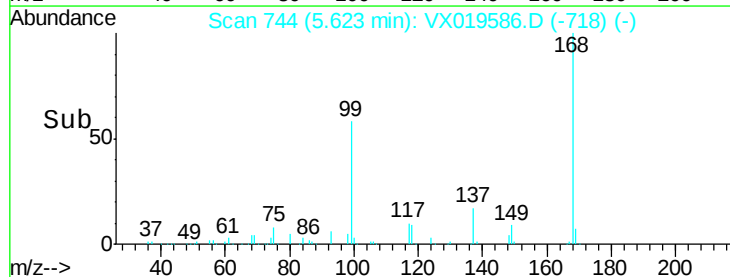
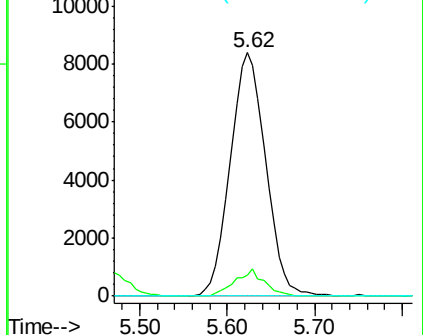
77 0.0 24.2 36.4#

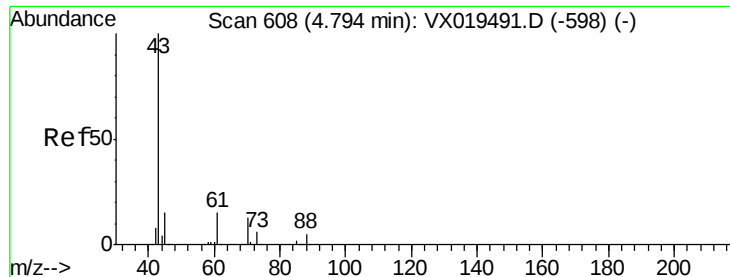


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

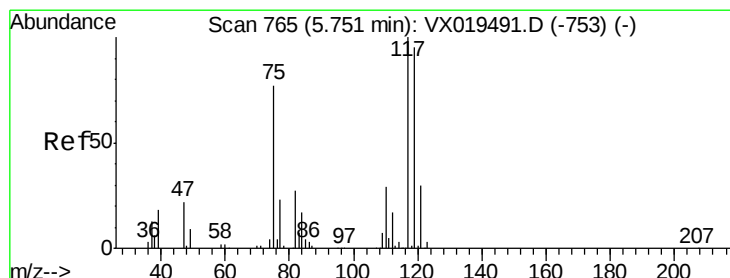
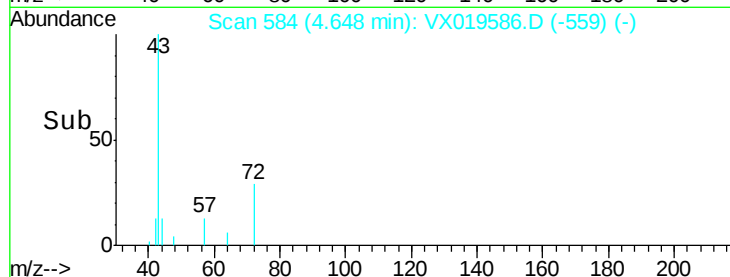
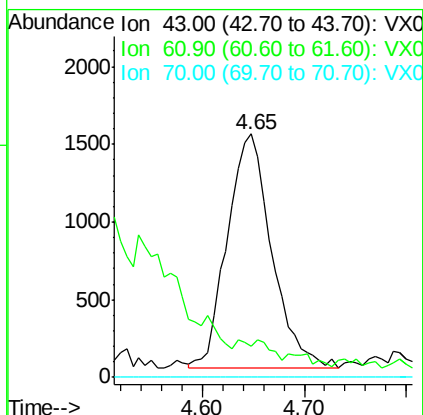
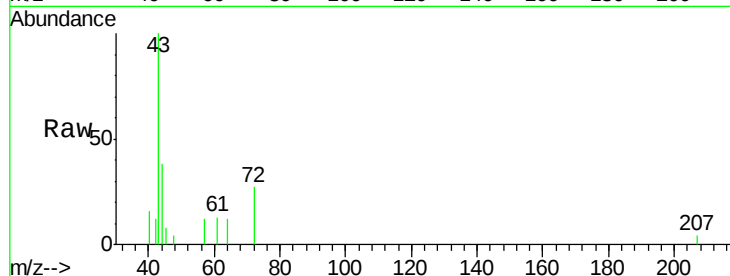




#37
Ethyl Acetate
Concen: 0.998 ug/l
RT: 4.65 min Scan# 584
Delta R.T. -0.15 min
Lab File: VX019586.D
Acq: 24 Nov 2020 05:52

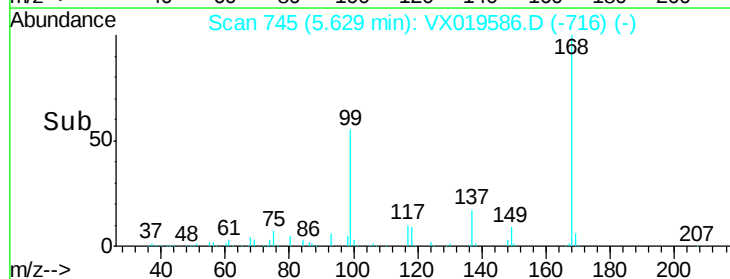
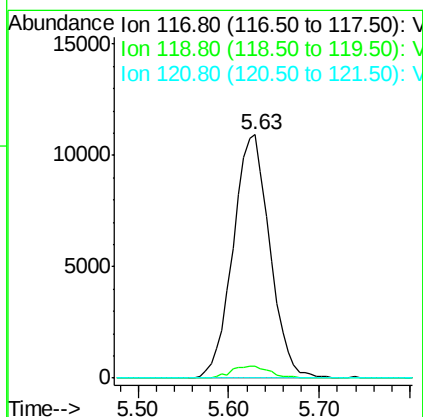
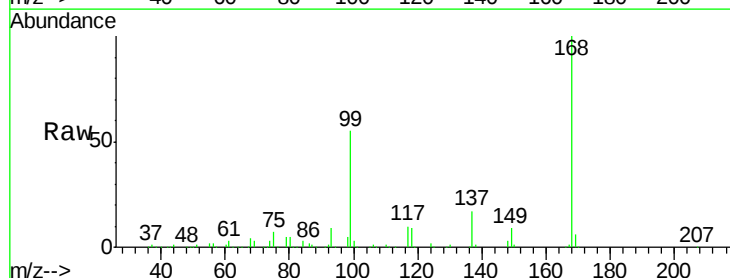
Instrument :
MSVOA_X
ClientSampleId :
TR5-3-TOP

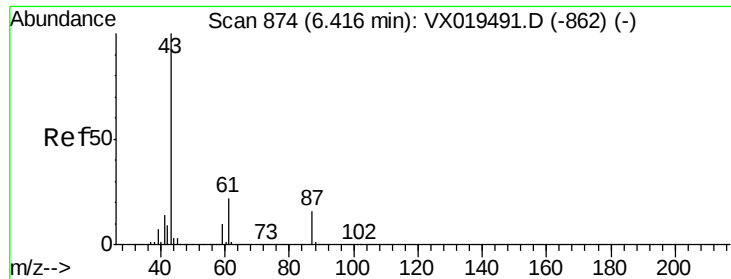
Tot Ion	43	Resp	4525
Ion Ratio	100		
Lower	12.7		
Upper	19.1#		
61	0.0		
70	0.0		
	10.2		
	15.2#		



#38
Carbon Tetrachloride
Concen: 6.567 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.12 min
Lab File: VX019586.D
Acq: 24 Nov 2020 05:52

Tgt Ion	117	Resp	30711
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower <td>75.9</td> <td></td> <td></td>	75.9		
Upper <td>113.9#</td> <td></td> <td></td>	113.9#		
119	5.0		
121	0.0		
	24.0		
	36.0#		





#43

Isopropyl Acetate

Concen: 2.484 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX019586.D

Acq: 24 Nov 2020 05:52

Instrument :

MSVOA_X

ClientSampled :

TR5-3-TOP

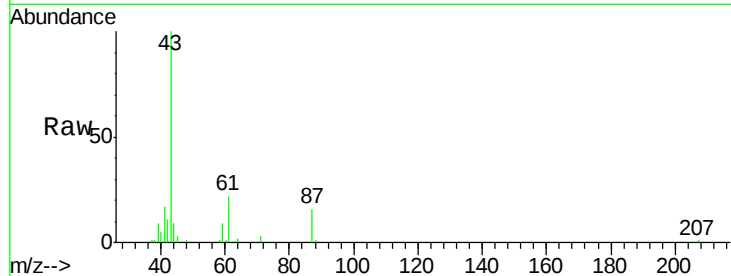
Tot Ion: 43 Resp: 18935

Ion Ratio Lower Upper

43 100

61 22.0 18.2 27.2

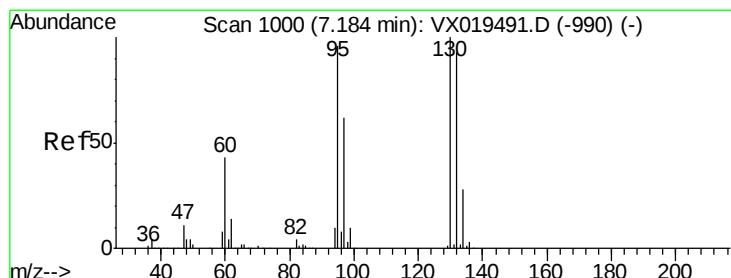
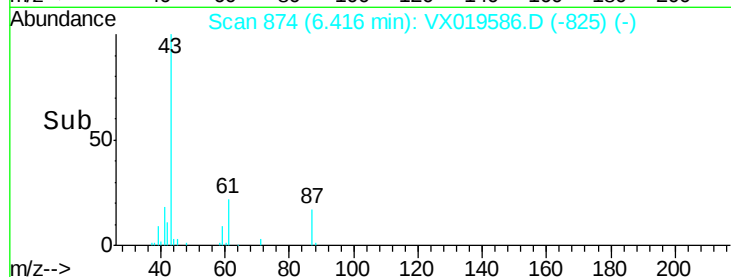
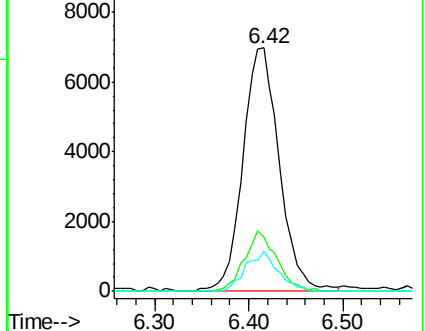
87 14.3 12.6 18.8



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



#44

Trichloroethene

Concen: 0.455 ug/l

RT: 7.18 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VX019586.D

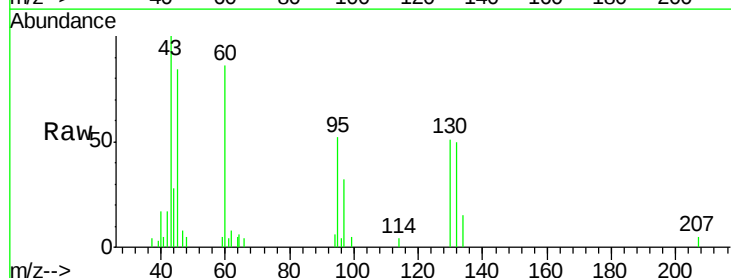
Acq: 24 Nov 2020 05:52

Tgt Ion: 130 Resp: 1769

Ion Ratio Lower Upper

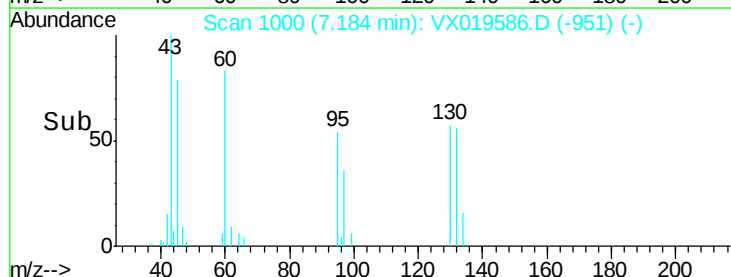
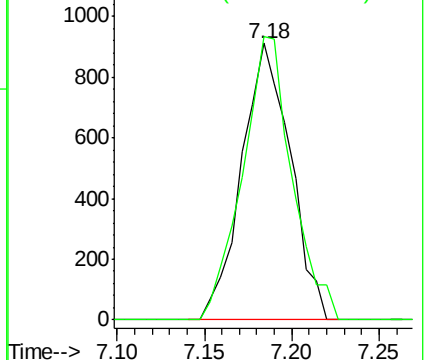
130 100

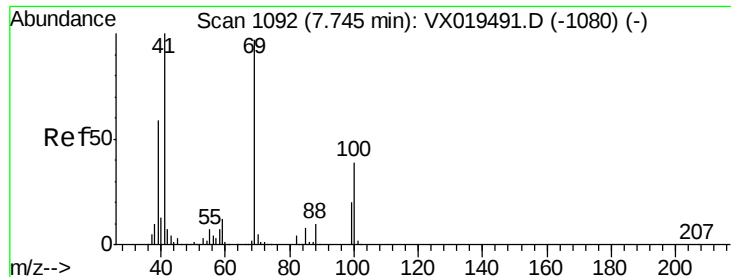
95 102.2 0.0 191.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

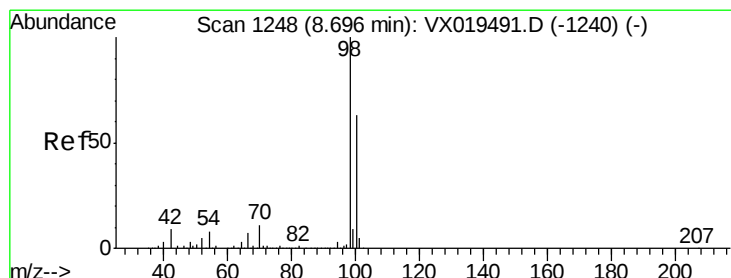
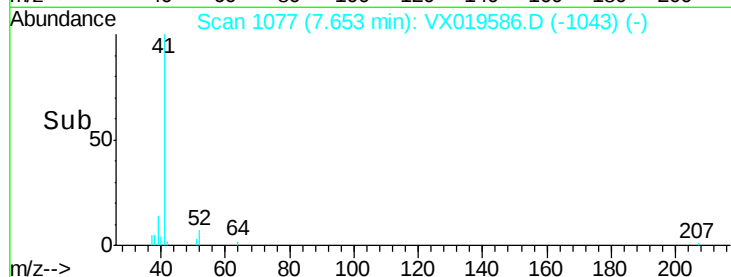
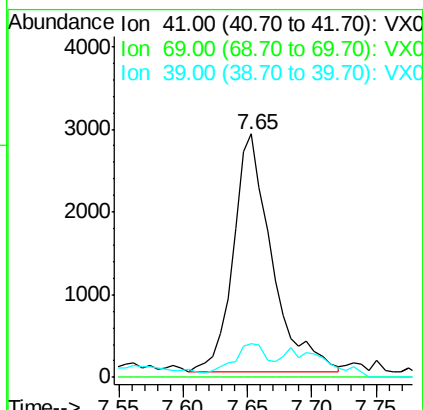
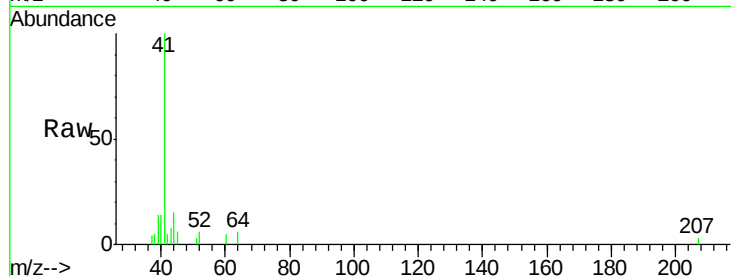




#48
Methvl methacrylate
Concen: 1.669 ug/l
RT: 7.65 min Scan# 1077
Delta R.T. -0.09 min
Lab File: VX019586.D
Acq: 24 Nov 2020 05:52

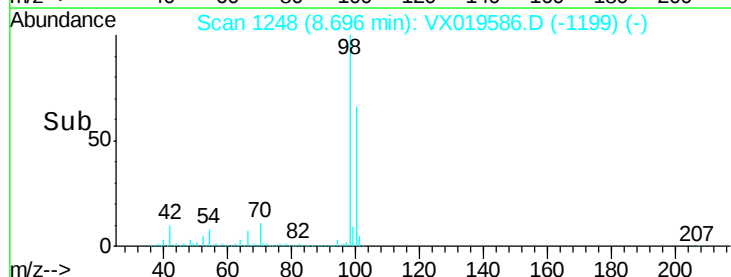
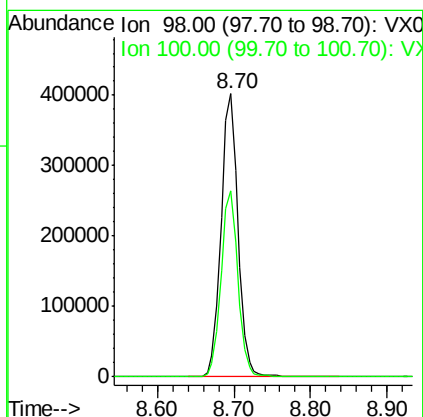
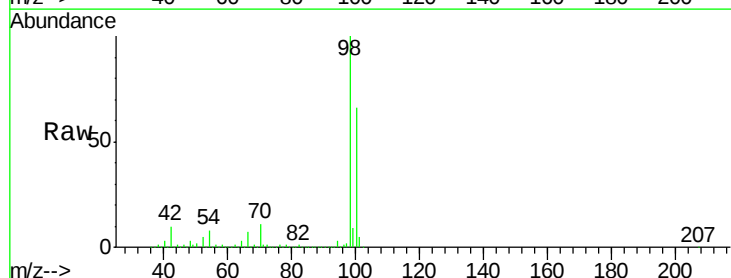
Instrument :
MSVOA_X
ClientSampleId :
TR5-3-TOP

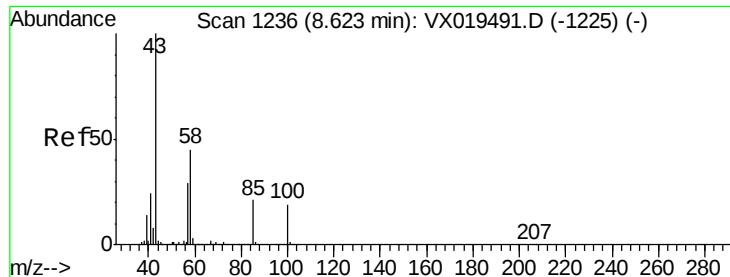
Tot Ion: 41 Resp: 5959
Ion Ratio Lower Upper
41 100
69 0.0 77.0 115.6#
39 11.0 45.6 68.4#



#50
Toluene-d8
Concen: 49.065 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019586.D
Acq: 24 Nov 2020 05:52

Tgt Ion: 98 Resp: 616738
Ion Ratio Lower Upper
98 100
100 65.5 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 15.769 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX019586.D

Acq: 24 Nov 2020 05:52

Instrument :

MSVOA_X

ClientSampleId :

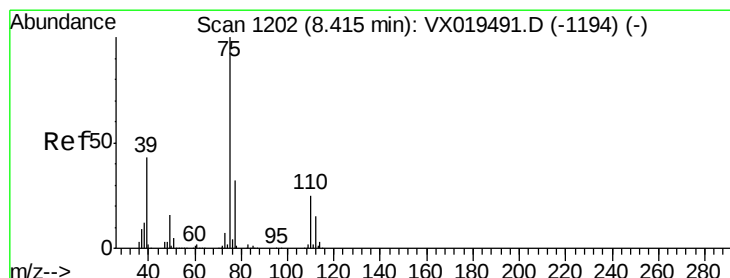
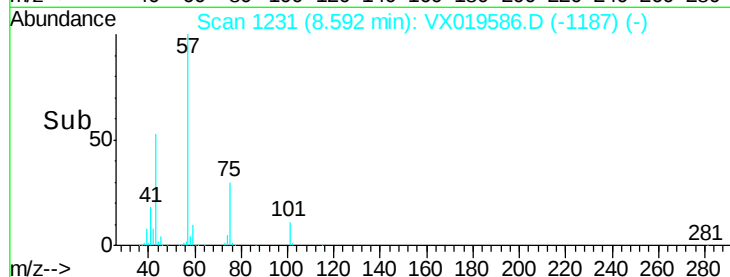
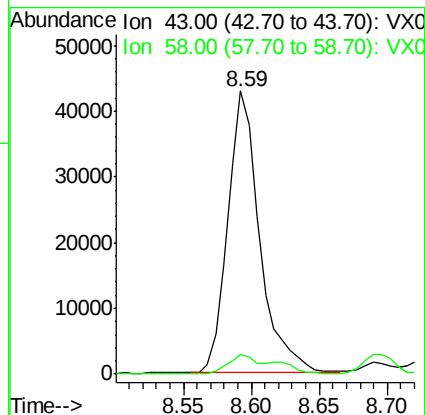
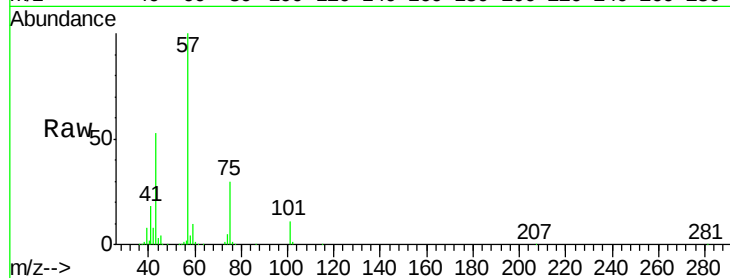
TR5-3-TOP

Tot Ion: 43 Resp: 70109

Ion Ratio Lower Upper

43 100

58 6.6 35.1 52.7#



#54

cis-1,3-Dichloropropene

Concen: 6.301 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. 0.18 min

Lab File: VX019586.D

Acq: 24 Nov 2020 05:52

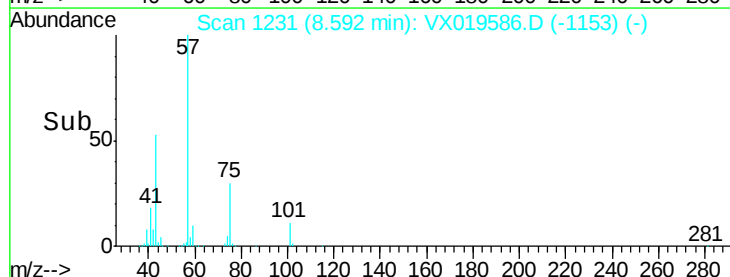
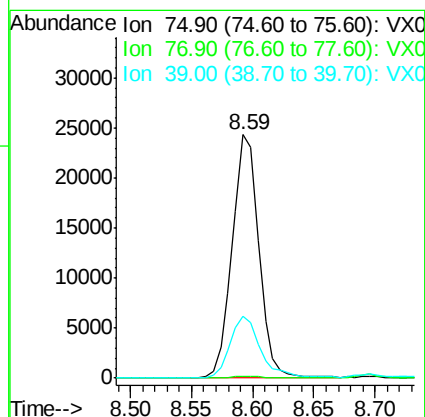
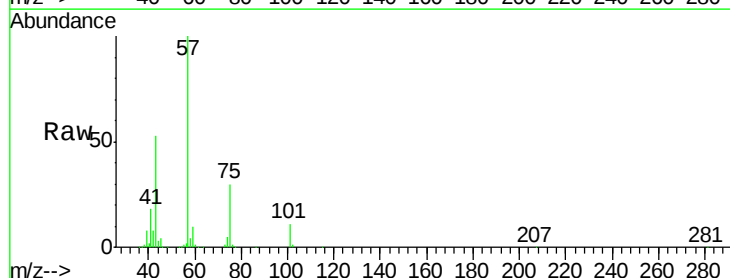
Tgt Ion: 75 Resp: 36652

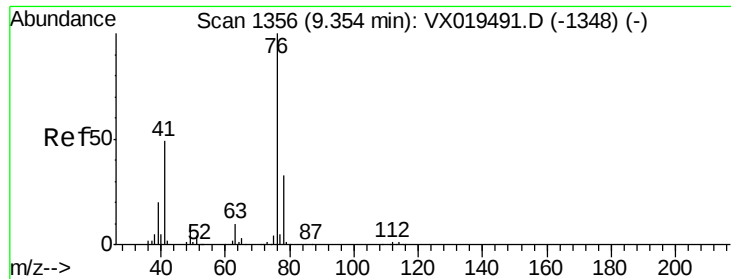
Ion Ratio Lower Upper

75 100

77 0.6 25.8 38.6#

39 25.5 34.6 51.8#





#57

1,3-Dichloropropane

Concen: 1.577 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.17 min

Lab File: VX019586.D

Acq: 24 Nov 2020 05:52

Instrument :

MSVOA_X

ClientSampled :

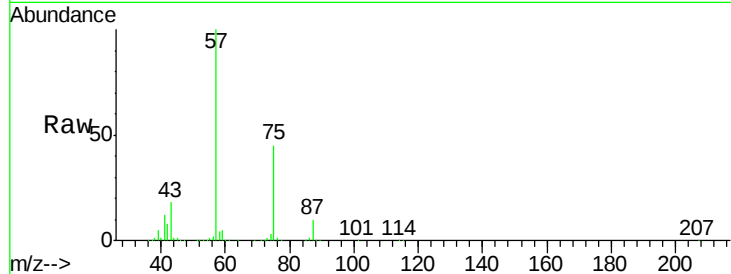
TR5-3-TOP

Tot Ion: 76 Resp: 9766

Ion Ratio Lower Upper

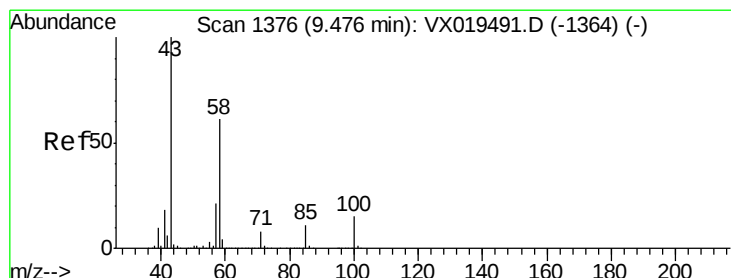
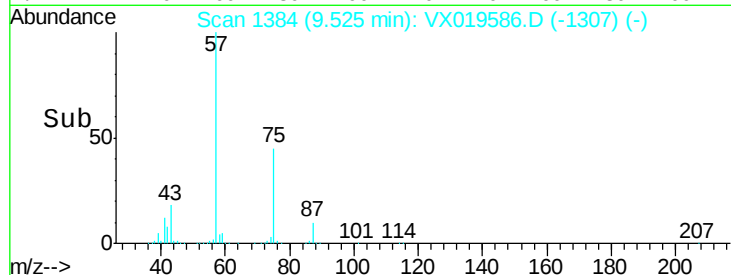
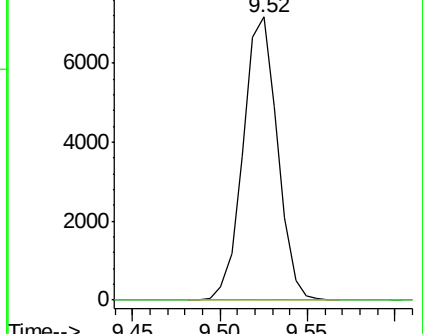
76 100

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: 5.177 ug/l

RT: 9.42 min Scan# 1367

Delta R.T. -0.05 min

Lab File: VX019586.D

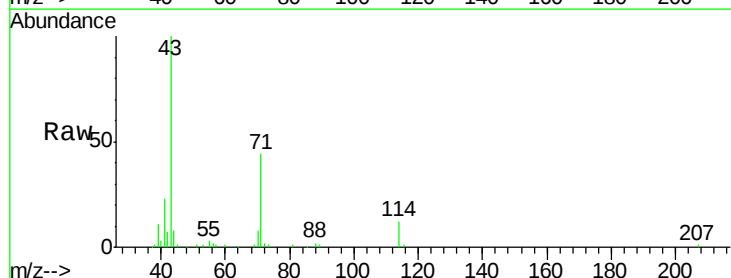
Acq: 24 Nov 2020 05:52

Tgt Ion: 43 Resp: 17455

Ion Ratio Lower Upper

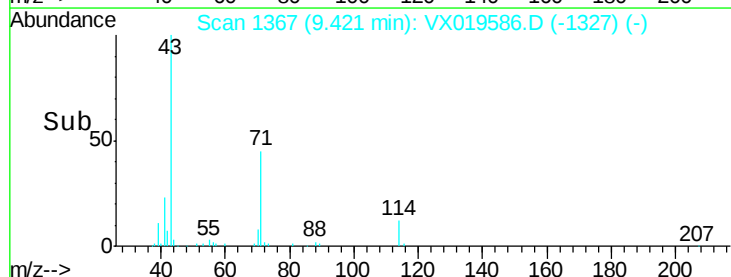
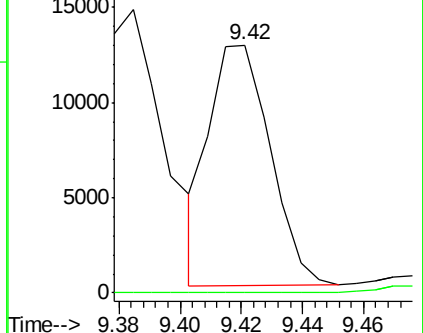
43 100

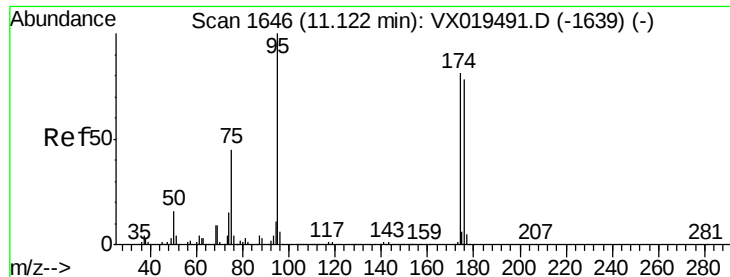
58 0.0 30.6 91.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

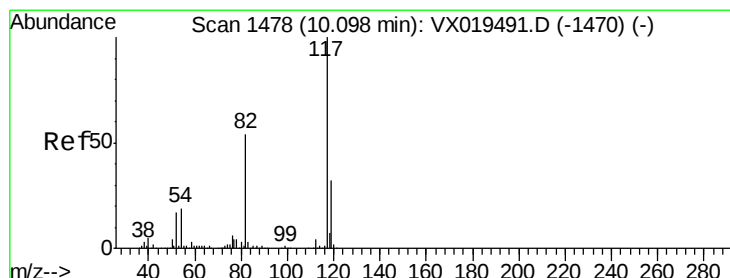
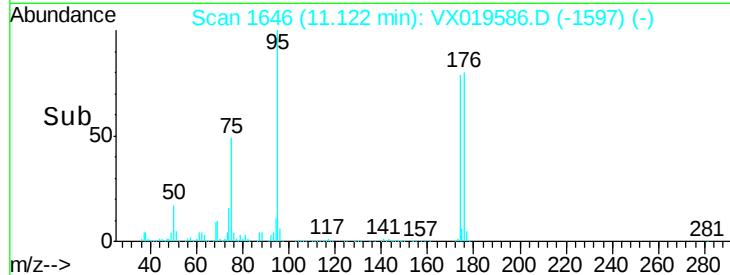
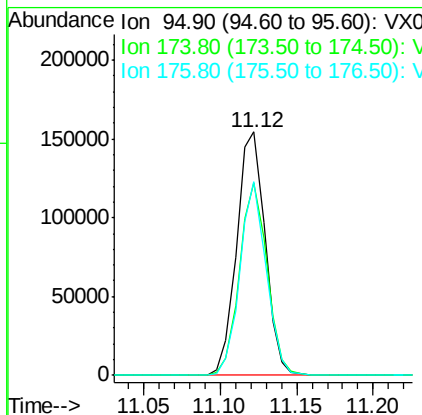
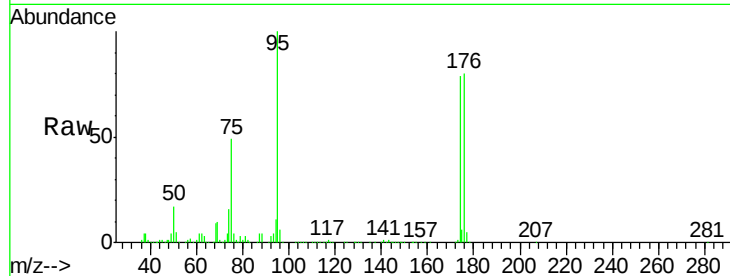




#62
4-Bromofluorobenzene
Concen: 44.040 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019586.D
Acq: 24 Nov 2020 05:52

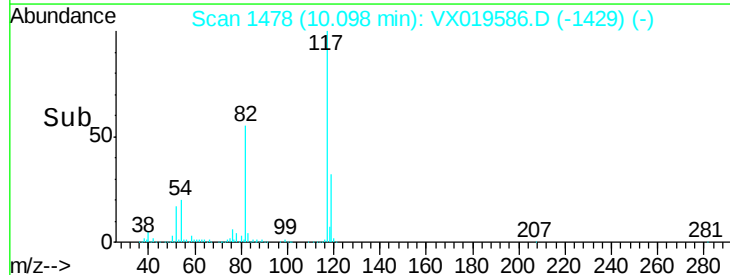
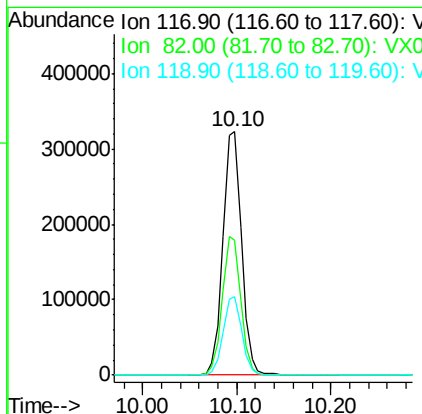
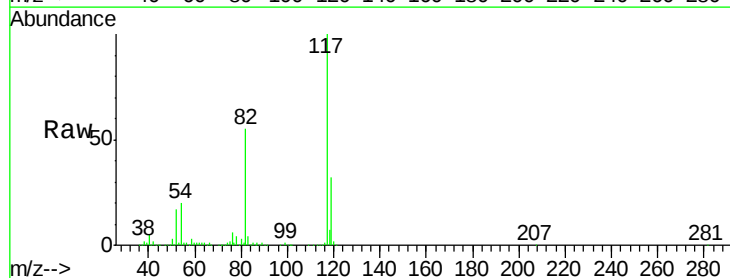
Instrument :
MSVOA_X
ClientSampled :
TR5-3-TOP

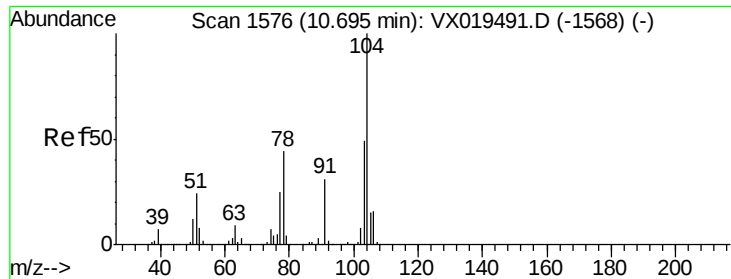
Tot Ion: 95 Resp: 199168
Ion Ratio Lower Upper
95 100
174 76.8 0.0 156.2
176 73.8 0.0 151.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019586.D
Acq: 24 Nov 2020 05:52

Tgt Ion: 117 Resp: 445152
Ion Ratio Lower Upper
117 100
82 55.1 43.0 64.4
119 32.4 25.6 38.4

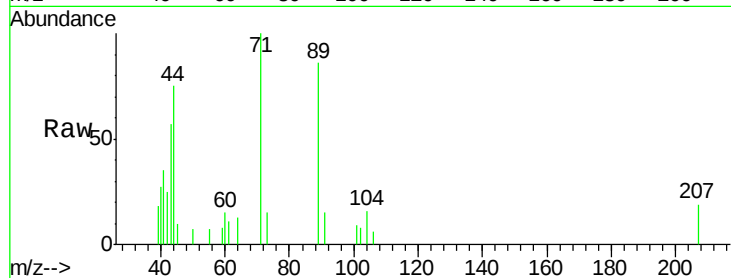




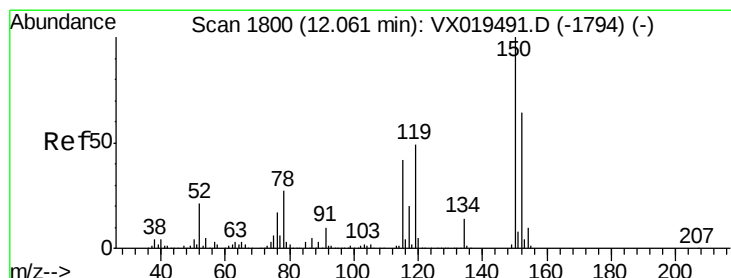
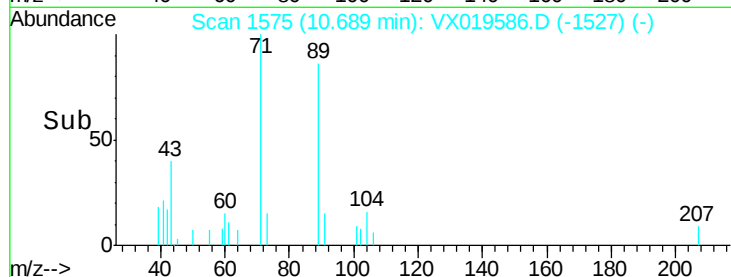
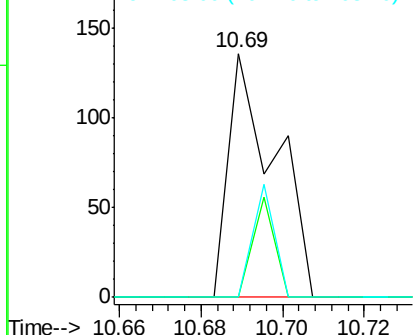
#70
Stvrene
Concen: 1.656 ug/l
RT: 10.69 min Scan# 1575
Delta R.T. -0.01 min
Lab File: VX019586.D
Acq: 24 Nov 2020 05:52

Instrument :
MSVOA_X
ClientSampleId :
TR5-3-TOP

Tot Ion:104 Resp: 108
Ion Ratio Lower Upper
104 100
78 18.5 39.5 59.3#
103 21.3 43.6 65.4#

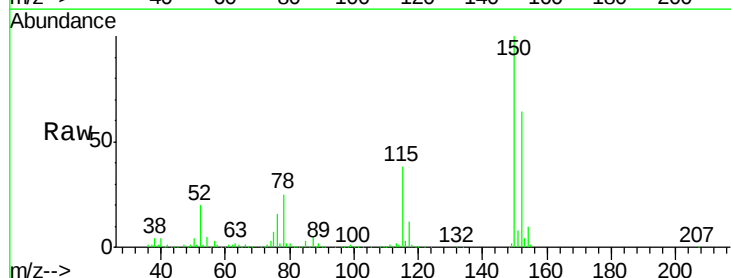


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

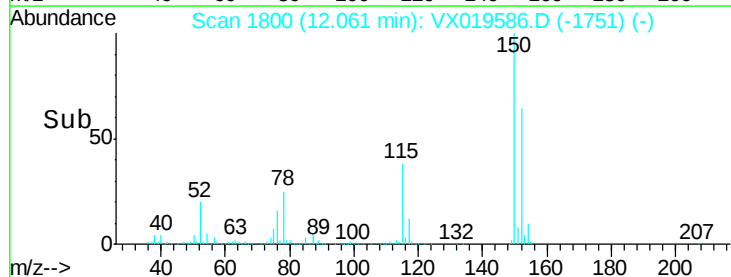
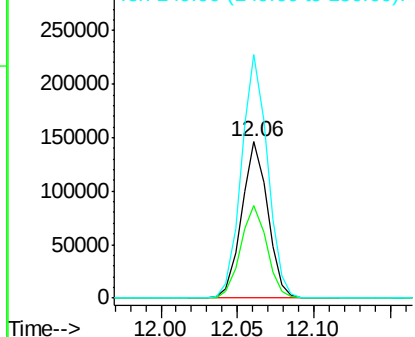


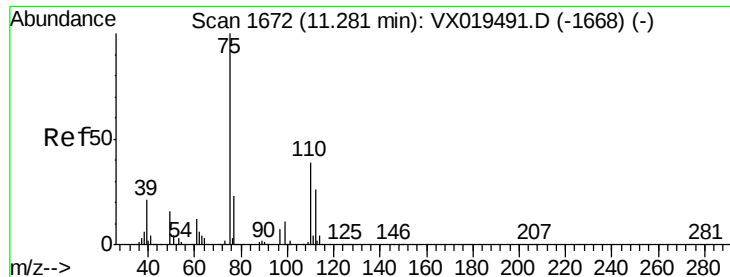
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019586.D
Acq: 24 Nov 2020 05:52

Tgt Ion:152 Resp: 171744
Ion Ratio Lower Upper
152 100
115 60.0 41.8 125.4
150 156.9 0.0 348.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 26.160 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019586.D

Acq: 24 Nov 2020 05:52

Instrument :

MSVOA_X

ClientSampleId :

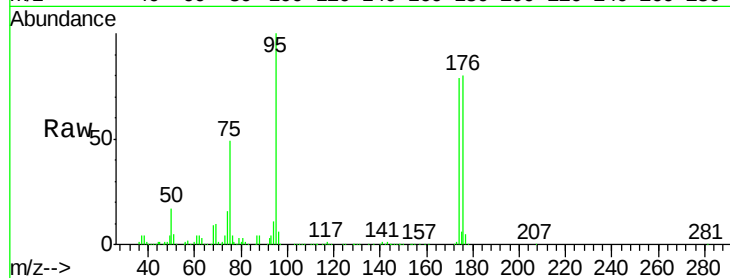
TR5-3-TOP

Tot Ion: 75 Resp: 98048

Ion Ratio Lower Upper

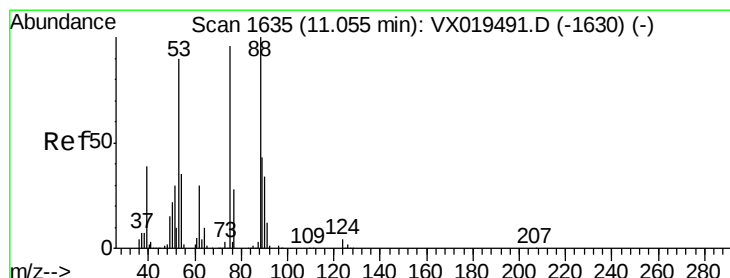
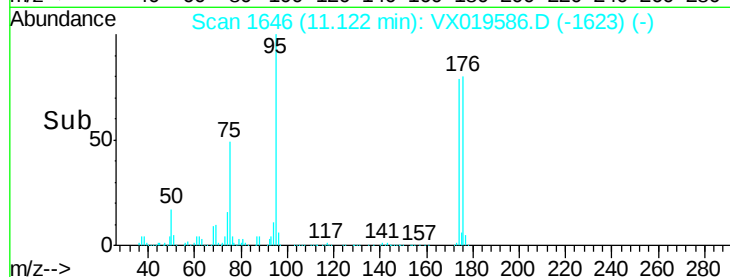
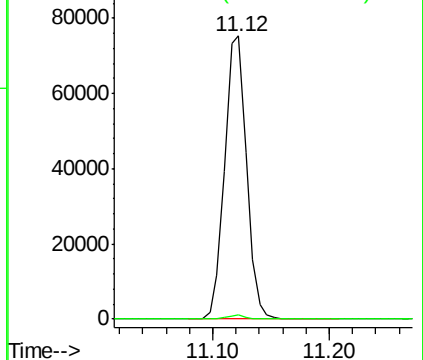
75 100

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: 68.907 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019586.D

Acq: 24 Nov 2020 05:52

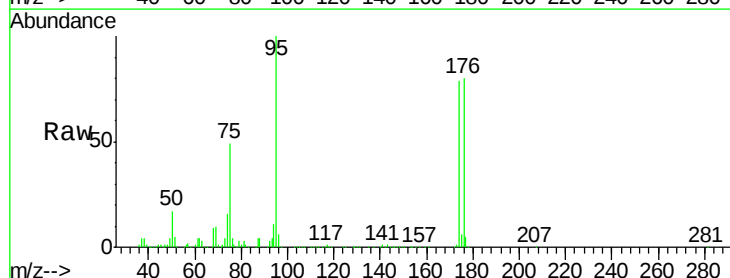
Tgt Ion: 75 Resp: 98048

Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

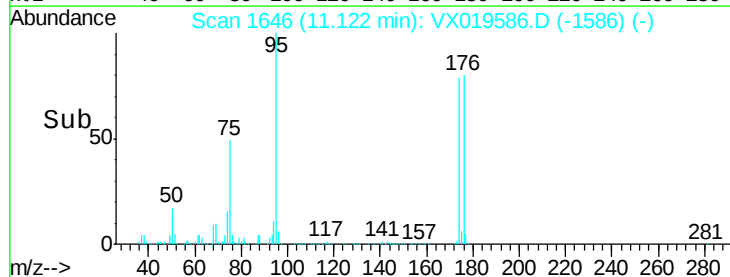
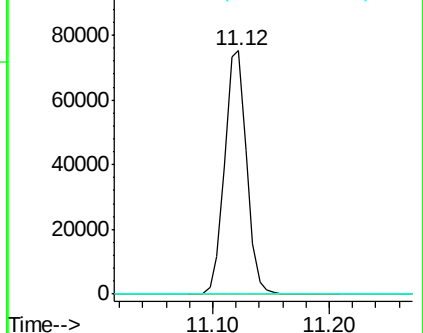
89 0.0 37.3 55.9#

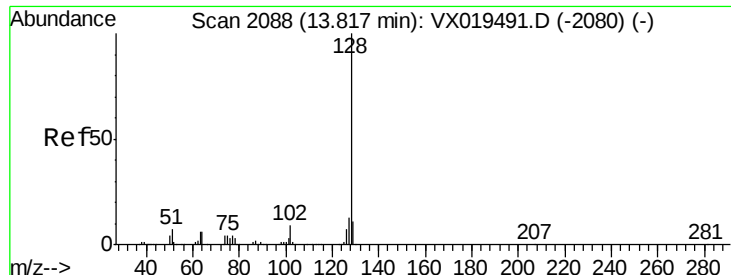


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#95

Naphthalene

Concen: 2.233 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX019586.D

Acq: 24 Nov 2020 05:52

Instrument :

MSVOA_X

ClientSampleId :

TR5-3-TOP

Tot Ion:128 Resp: 732

Ion Ratio Lower Upper

128 100

127 7.5 10.3 15.5#

129 0.0 8.7 13.1#

