

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121020\
 Data File : VX019851.D
 Acq On : 11 Dec 2020 02:20
 Operator : JC/MD
 Sample : L4983-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TR1-D-TOP

Quant Time: Dec 11 03:05:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 15:32:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	312073	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	528414	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	494137	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	218658	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	202670	49.41	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.82%
35) Dibromofluoromethane	5.46	113	163933	48.00	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.00%
50) Toluene-d8	8.70	98	653643	50.13	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.26%
62) 4-Bromofluorobenzene	11.12	95	229240	46.20	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	92.40%

Target Compounds

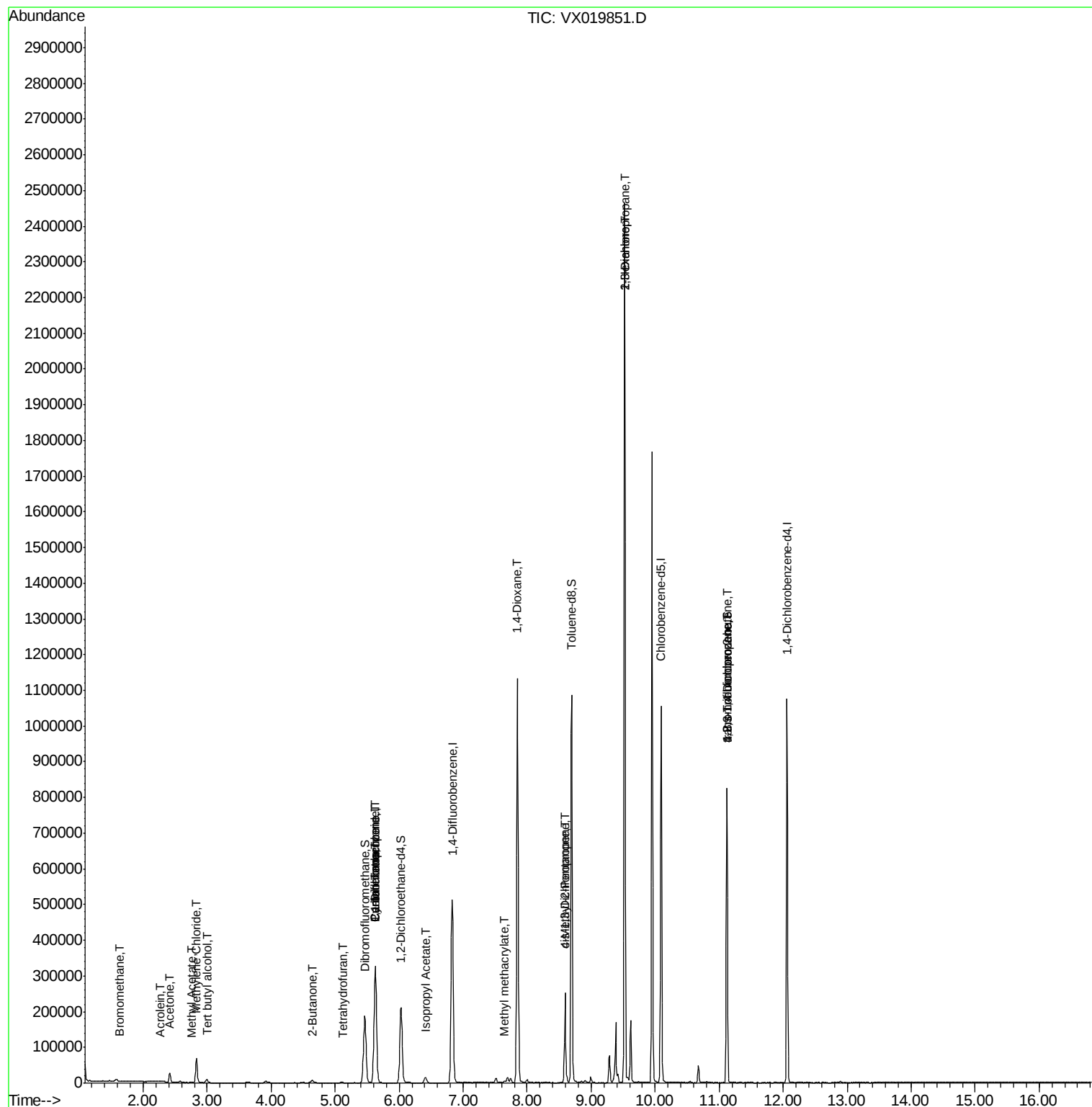
					Qvalue
5) Bromomethane	1.64	94	605	0.514 ug/l #	74
11) Tert butyl alcohol	3.00	59	5967	4.510 ug/l #	80
13) Acrolein	2.27	56	131	0.289 ug/l	96
16) Acetone	2.42	43	26738	17.344 ug/l	100
18) Methyl Acetate	2.75	43	1605	0.425 ug/l	90
20) Methylene Chloride	2.83	84	33330	8.283 ug/l	96
25) 2-Butanone	4.64	43	4127	1.742 ug/l #	85
29) Tetrahydrofuran	5.12	42	1200	0.786 ug/l #	44
31) Cyclohexane	5.62	56	5888	1.154 ug/l #	1
36) 1,1-Dichloropropene	5.63	75	24130	5.053 ug/l #	49
38) Carbon Tetrachloride	5.63	117	30609	6.546 ug/l #	16
43) Isopropyl Acetate	6.41	43	20894	2.666 ug/l	99
48) Methyl methacrylate	7.65	41	6356	1.649 ug/l #	10
49) 1,4-Dioxane	7.85	88	213	2.281 ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	79462	16.605 ug/l #	47
54) cis-1,3-Dichloropropene	8.59	75	41739	7.087 ug/l #	58
57) 1,3-Dichloropropane	9.52	76	21794	3.472 ug/l #	43
59) 2-Hexanone	9.52	43	266427	71.826 ug/l #	46
76) 1,2,3-Trichloropropane	11.12	75	110384	22.508 ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	110384	65.068 ug/l #	12

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

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.01 min

Lab File: VX019851.D

Acq: 11 Dec 2020 02:20

Instrument :

MSVOA_X

ClientSampleId :

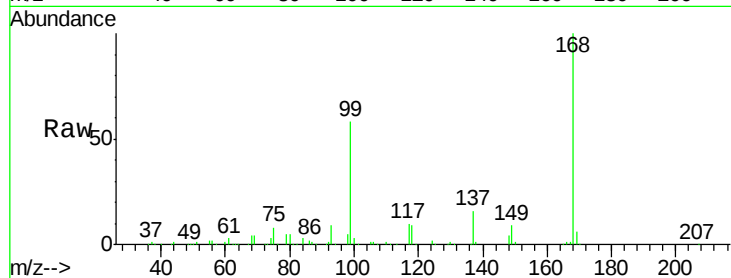
TR1-D-TOP

Tgt Ion:168 Resp: 312073

Ion Ratio Lower Upper

168 100

99 57.8 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

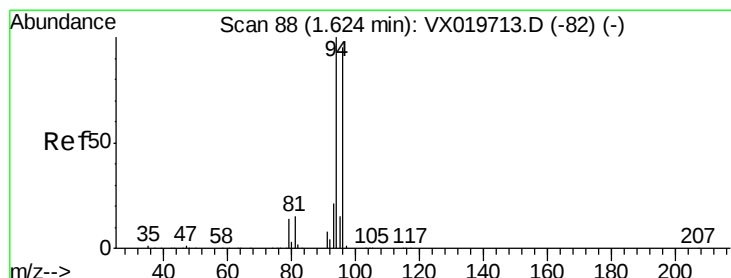
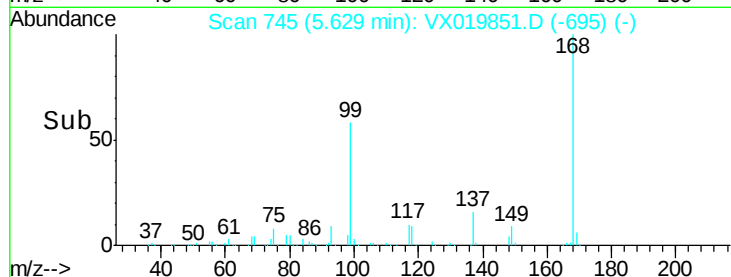
40000

20000

0

Time-->

5.50 5.60 5.70



#5

Bromomethane

Concen: 0.514 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX019851.D

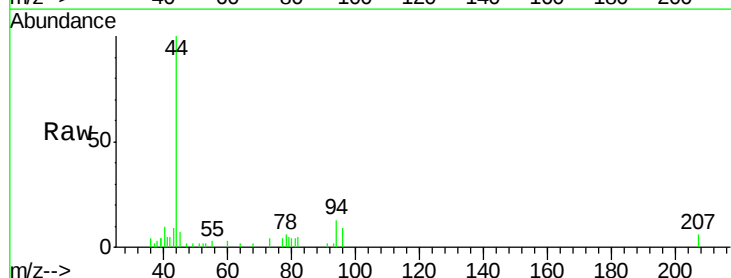
Acq: 11 Dec 2020 02:20

Tgt Ion: 94 Resp: 605

Ion Ratio Lower Upper

94 100

96 69.7 76.4 114.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

400

300

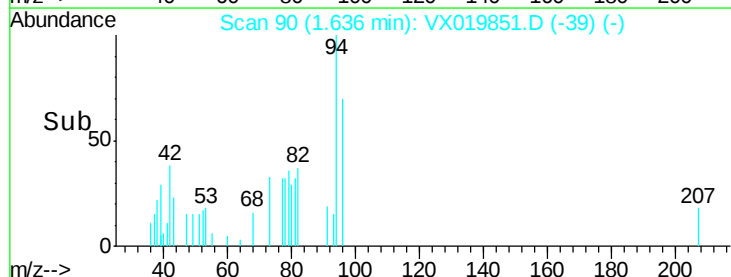
200

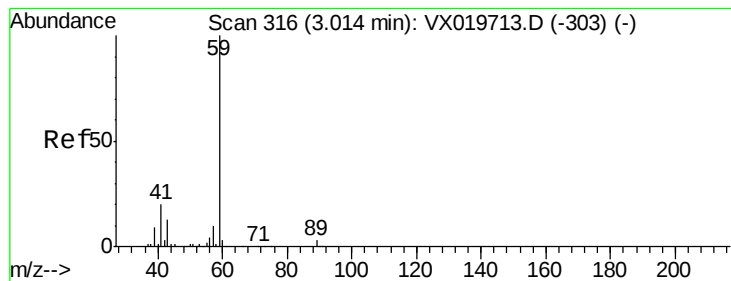
100

0

Time-->

1.60 1.65 1.70



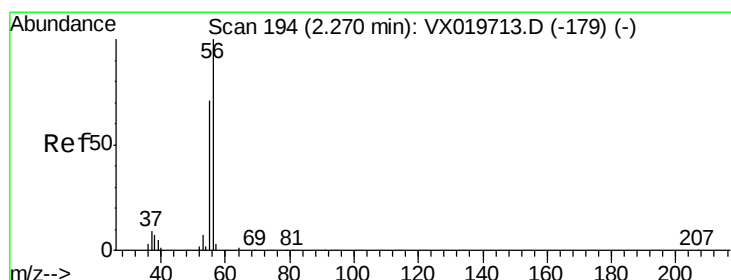
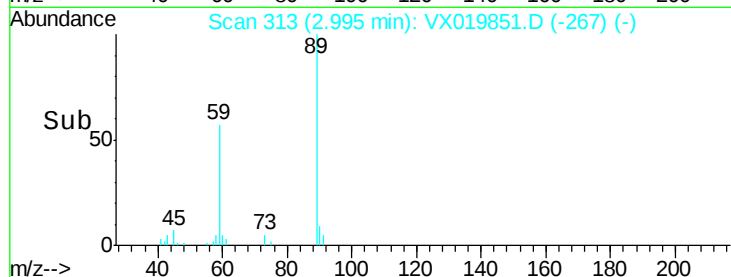
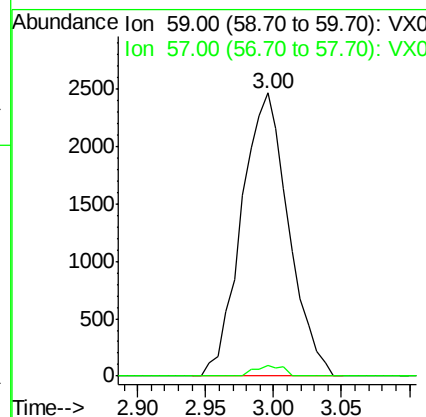
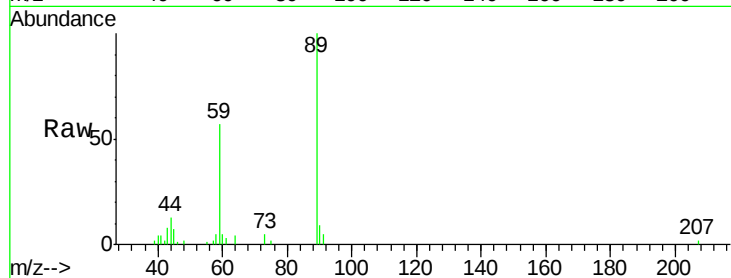


#11

Tert butyl alcohol
 Concen: 4.510 ug/l
 RT: 3.00 min Scan# 313
 Delta R.T. -0.02 min
 Lab File: VX019851.D
 Acq: 11 Dec 2020 02:20

Instrument :
 MSVOA_X
 ClientSampled :
 TR1-D-TOP

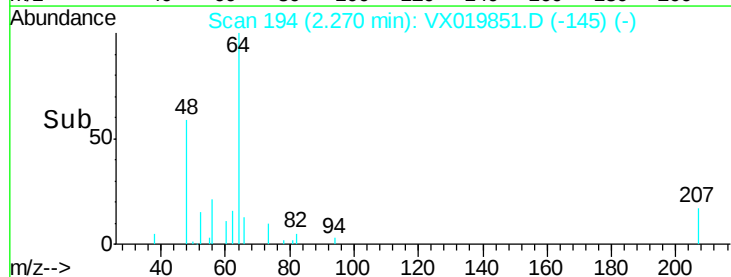
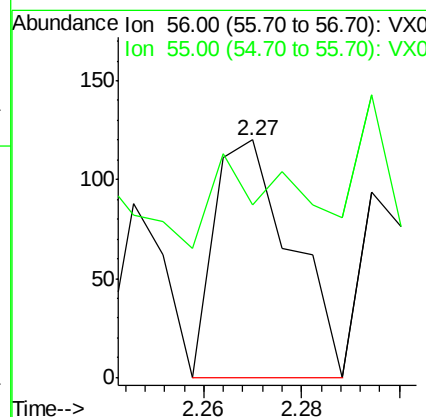
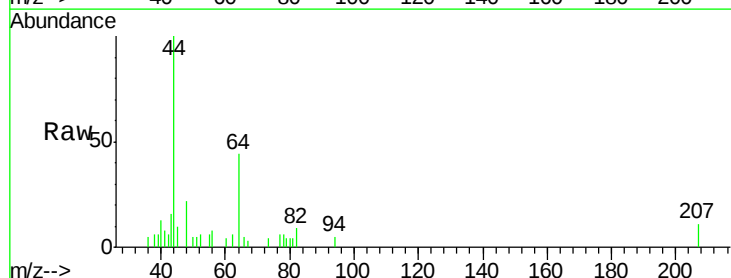
Tgt Ion: 59 Resp: 5967
 Ion Ratio Lower Upper
 59 100
 57 2.3 7.8 11.8#

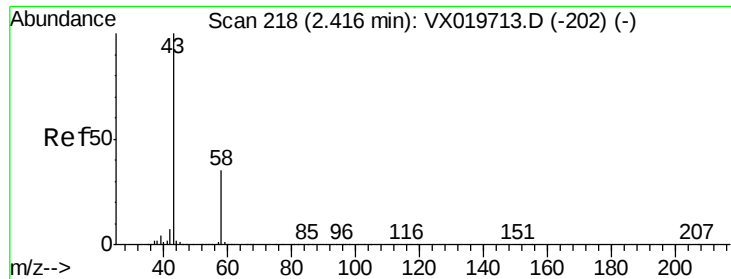


#13

Acrolein
 Concen: 0.289 ug/l
 RT: 2.27 min Scan# 194
 Delta R.T. 0.00 min
 Lab File: VX019851.D
 Acq: 11 Dec 2020 02:20

Tgt Ion: 56 Resp: 131
 Ion Ratio Lower Upper
 56 100
 55 67.2 56.4 84.6





#16

Acetone

Concen: 17.344 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX019851.D

Acq: 11 Dec 2020 02:20

Instrument :

MSVOA_X

ClientSampleId :

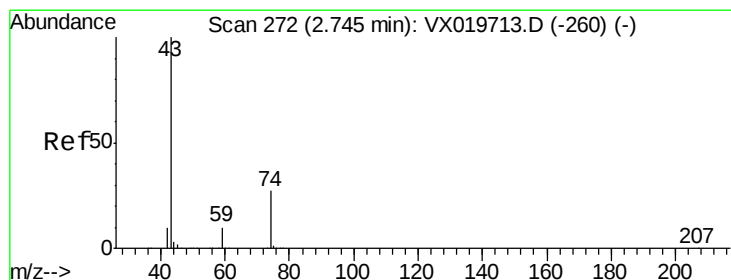
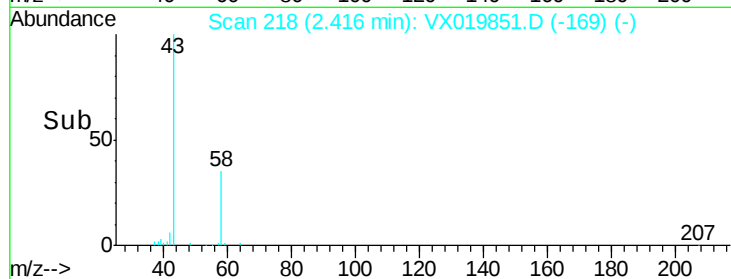
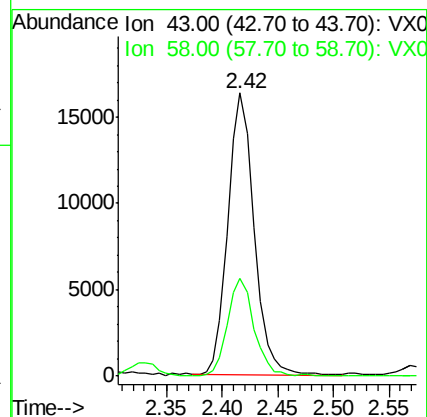
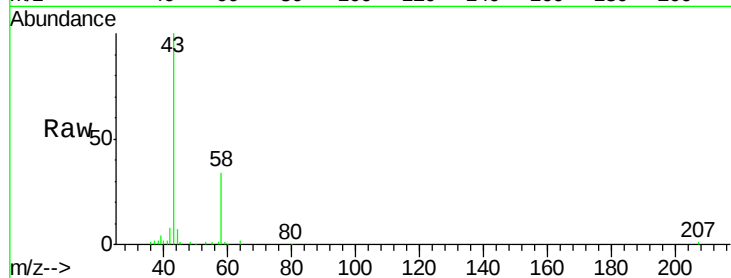
TR1-D-TOP

Tgt Ion: 43 Resp: 26738

Ion Ratio Lower Upper

43 100

58 34.6 27.8 41.8



#18

Methyl Acetate

Concen: 0.425 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX019851.D

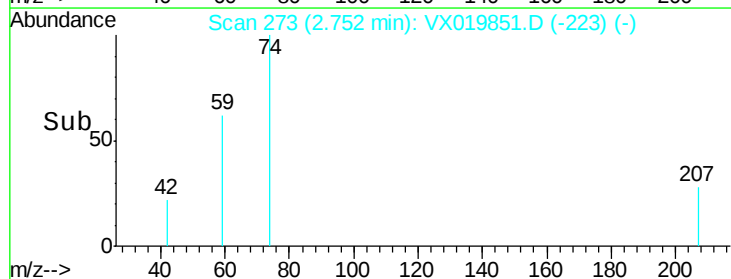
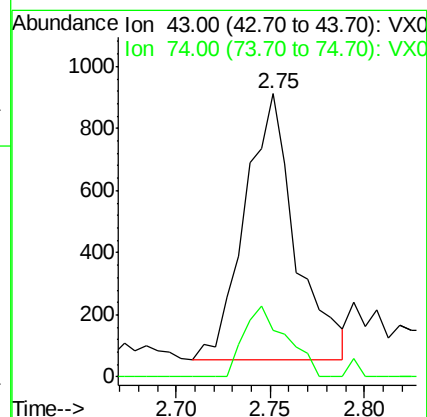
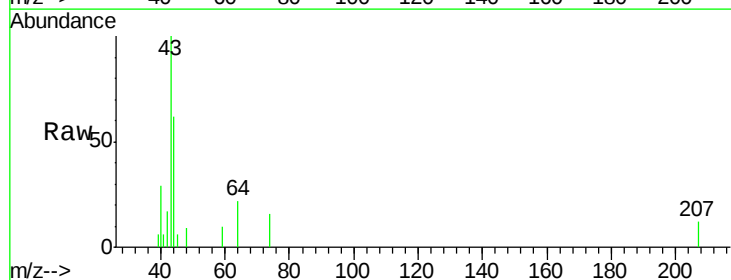
Acq: 11 Dec 2020 02:20

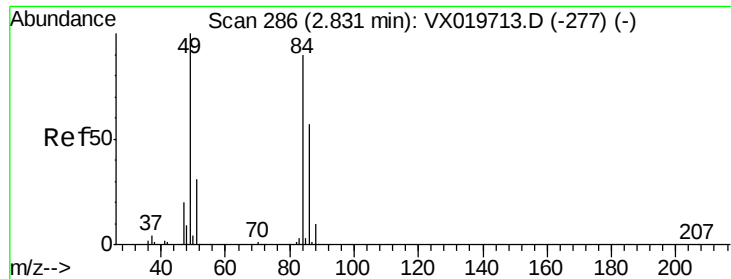
Tgt Ion: 43 Resp: 1605

Ion Ratio Lower Upper

43 100

74 22.2 21.9 32.9

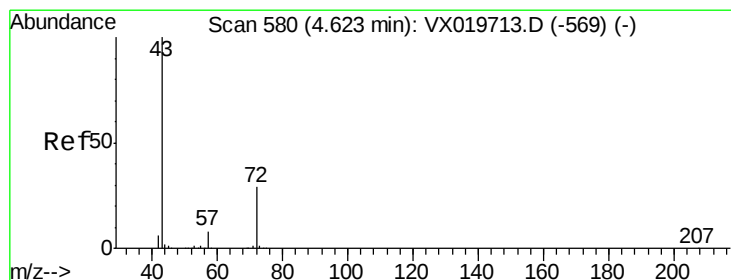
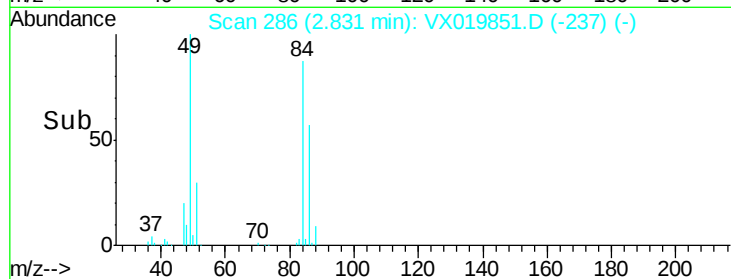
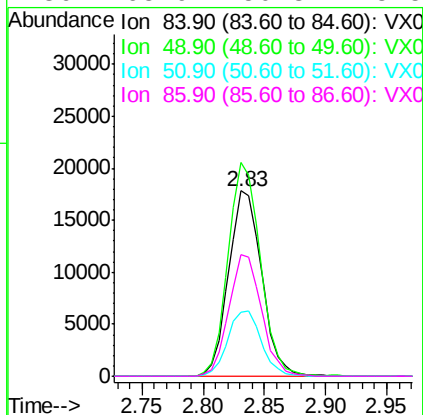
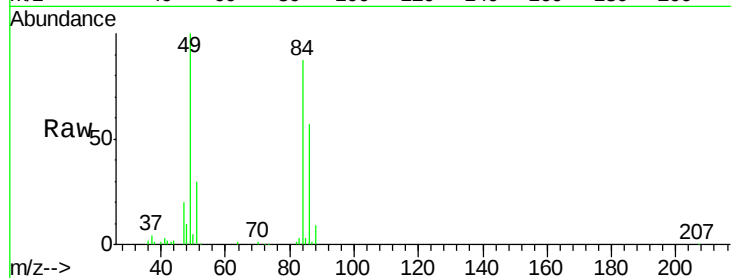




#20
Methylene Chloride
Concen: 8.283 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX019851.D
Acq: 11 Dec 2020 02:20

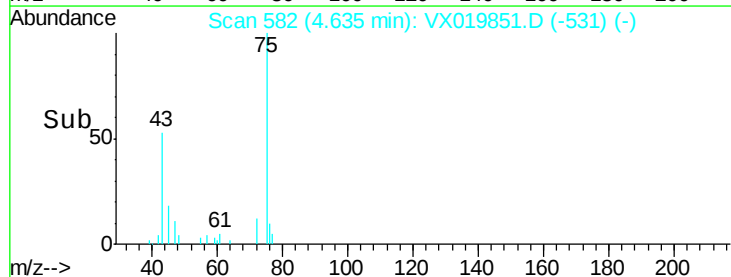
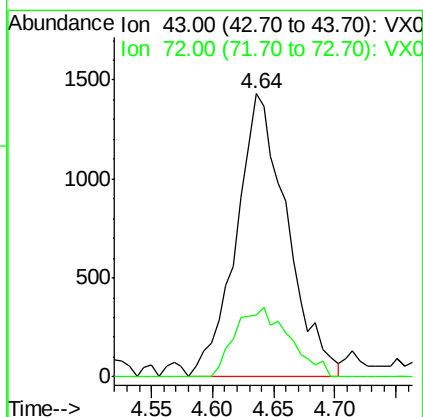
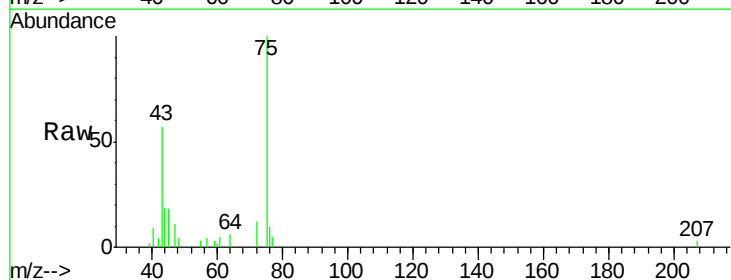
Instrument :
MSVOA_X
ClientSampleId :
TR1-D-TOP

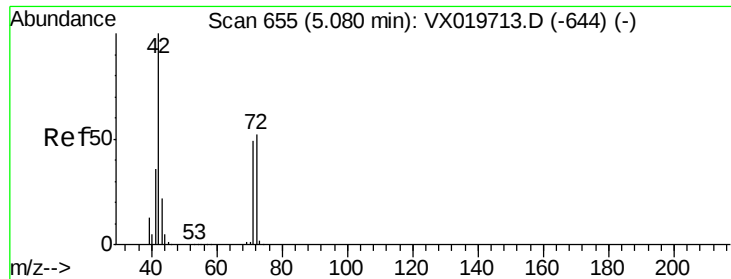
Tgt Ion:	84	Resp:	33330
Ion	Ratio	Lower	Upper
84	100		
49	115.2	88.6	132.8
51	34.8	27.0	40.6
86	65.9	50.3	75.5



#25
2-Butanone
Concen: 1.742 ug/l
RT: 4.64 min Scan# 582
Delta R.T. 0.01 min
Lab File: VX019851.D
Acq: 11 Dec 2020 02:20

Tgt Ion:	43	Resp:	4127
Ion	Ratio	Lower	Upper
43	100		
72	21.7	23.7	35.5#

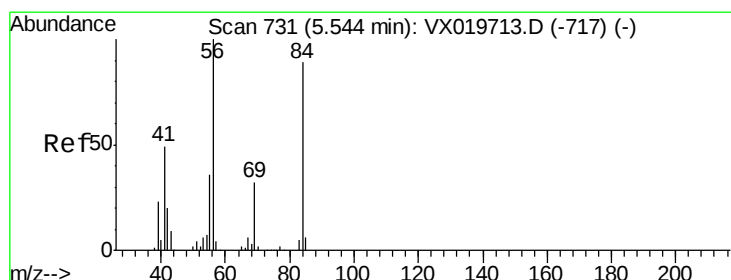
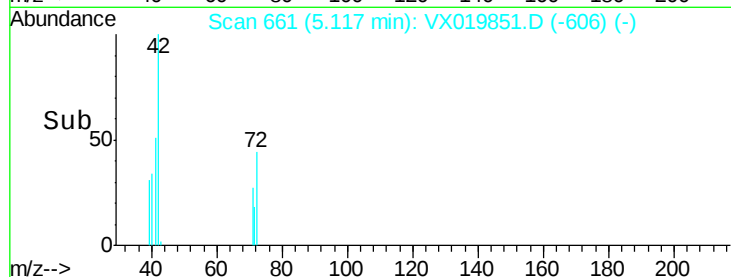
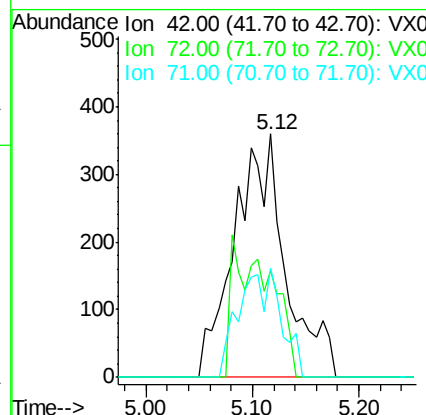
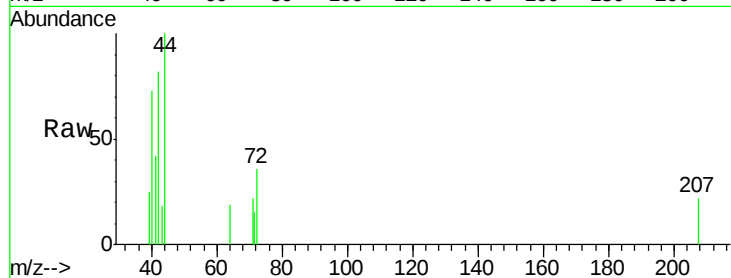




#29
Tetrahydrofuran
Concen: 0.786 ug/l
RT: 5.12 min Scan# 661
Delta R.T. 0.04 min
Lab File: VX019851.D
Acq: 11 Dec 2020 02:20

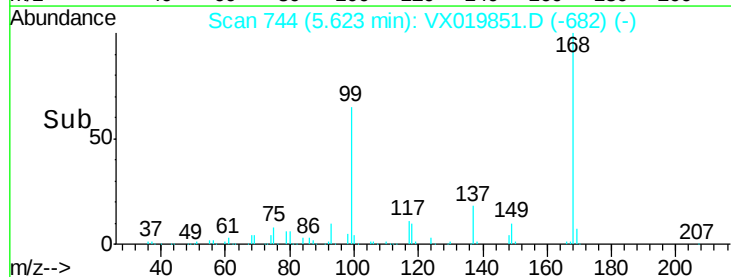
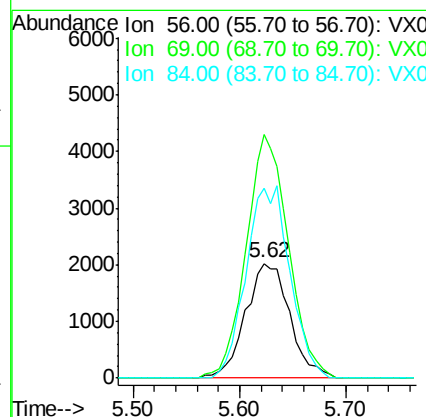
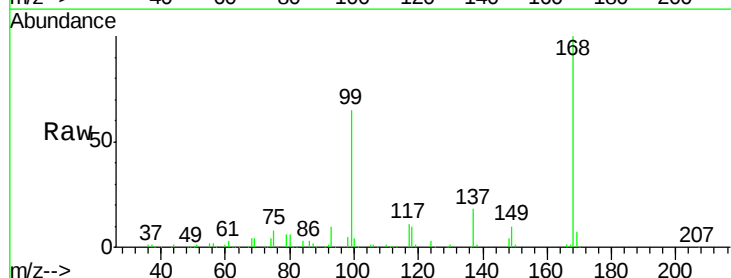
Instrument :
MSVOA_X
ClientSampleId :
TR1-D-TOP

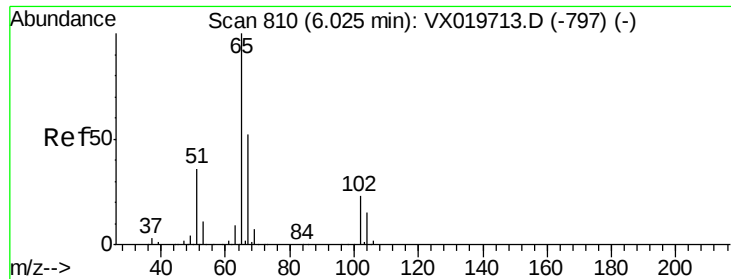
Tgt Ion: 42 Resp: 1200
Ion Ratio Lower Upper
42 100
72 0.0 41.7 62.5#
71 23.0 38.4 57.6#



#31
Cyclohexane
Concen: 1.154 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.08 min
Lab File: VX019851.D
Acq: 11 Dec 2020 02:20

Tgt Ion: 56 Resp: 5888
Ion Ratio Lower Upper
56 100
69 212.3 25.3 37.9#
84 166.1 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 49.413 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.01 min

Lab File: VX019851.D

Acq: 11 Dec 2020 02:20

Instrument :

MSVOA_X

ClientSampleId :

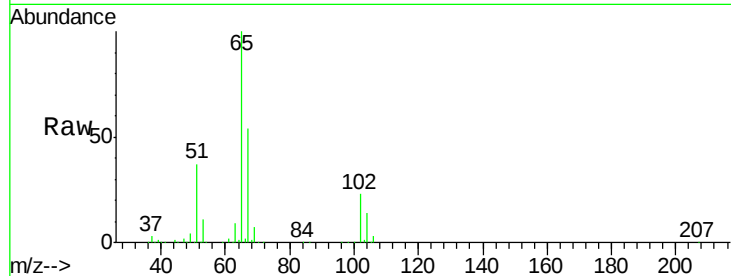
TR1-D-TOP

Tgt Ion: 65 Resp: 202670

Ion Ratio Lower Upper

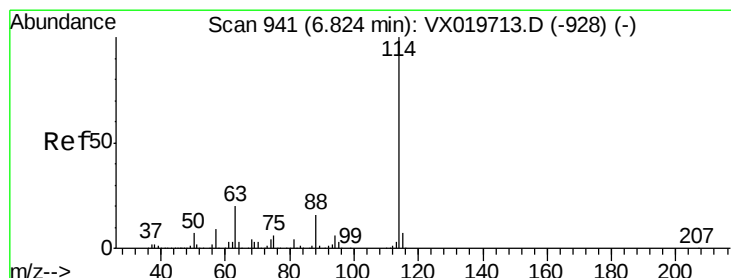
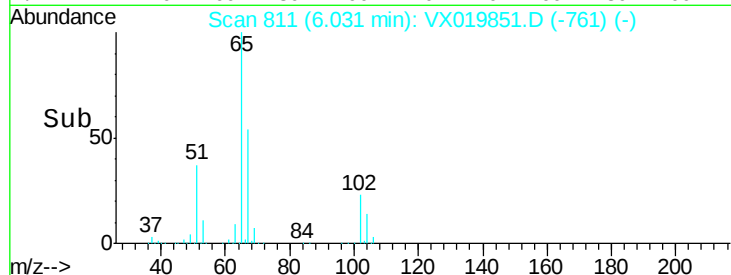
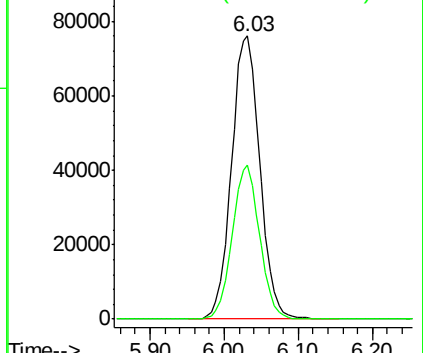
65 100

67 52.7 0.0 105.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.01 min

Lab File: VX019851.D

Acq: 11 Dec 2020 02:20

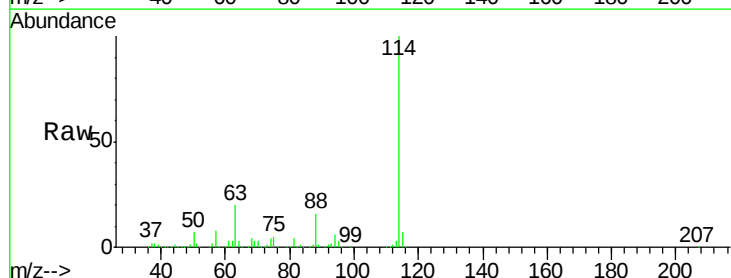
Tgt Ion: 114 Resp: 528414

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

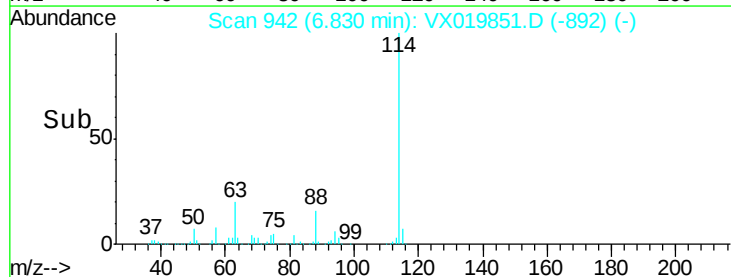
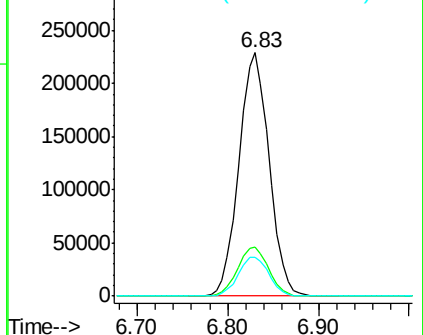
88 15.9 0.0 32.8

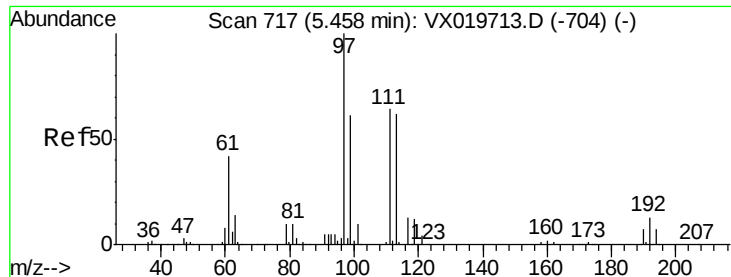


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

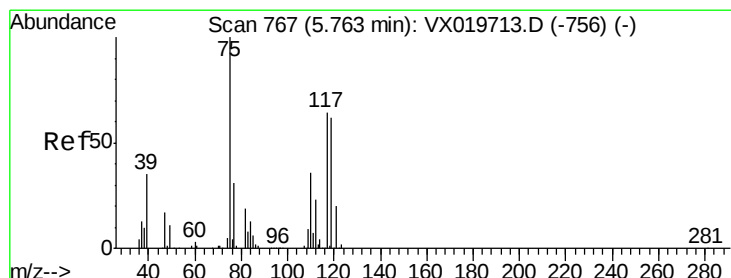
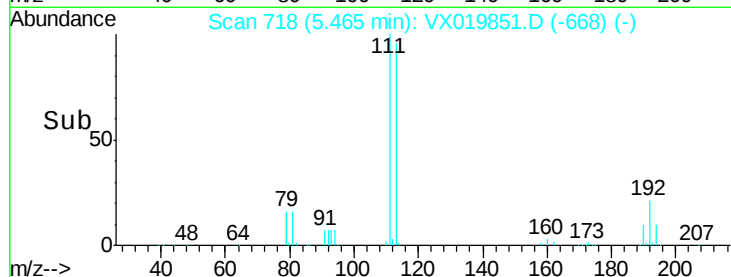
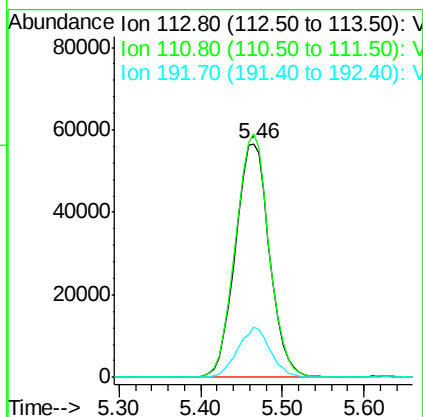
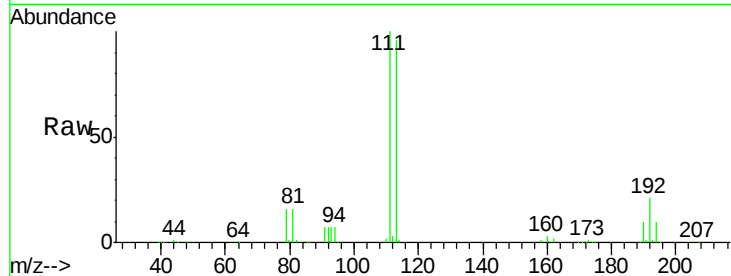




#35
 Dibromofluoromethane
 Concen: 48.003 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. 0.01 min
 Lab File: VX019851.D
 Acq: 11 Dec 2020 02:20

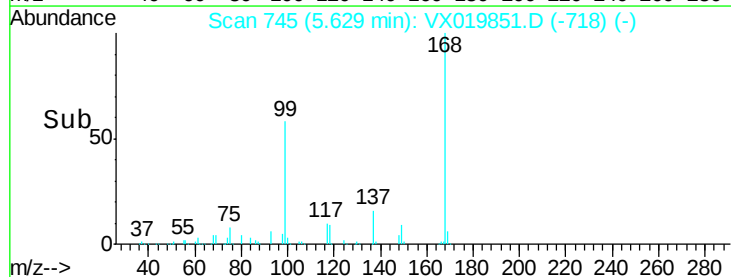
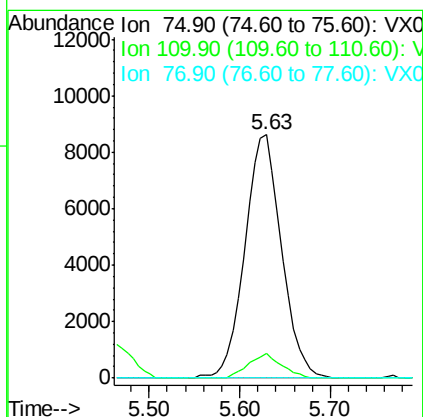
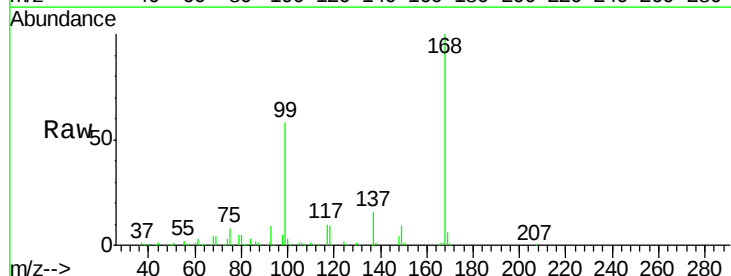
Instrument :
 MSVOA_X
 ClientSampleId :
 TR1-D-TOP

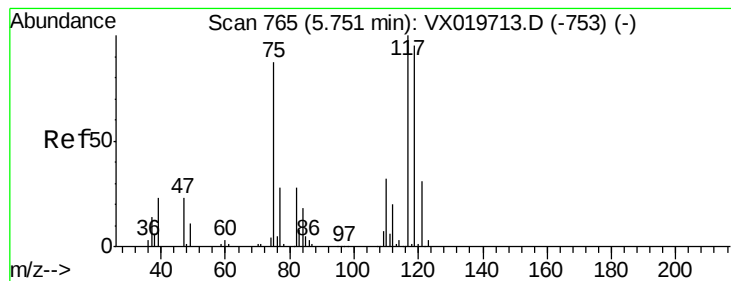
Tgt Ion: 113 Resp: 163933
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.9 122.9
 192 20.6 16.7 25.1



#36
 1,1-Dichloropropene
 Concen: 5.053 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX019851.D
 Acq: 11 Dec 2020 02:20

Tgt Ion: 75 Resp: 24130
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.1 54.4#
 77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 6.546 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019851.D

Acq: 11 Dec 2020 02:20

Instrument :

MSVOA_X

ClientSampleId :

TR1-D-TOP

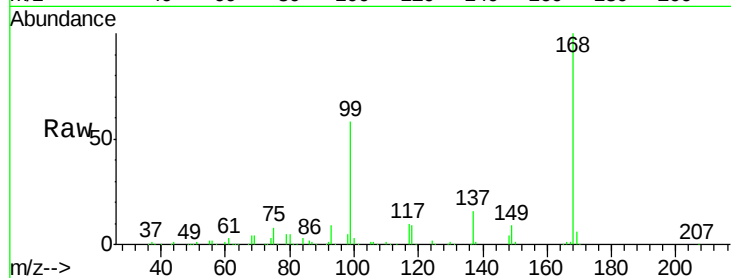
Tgt Ion:117 Resp: 30609

Ion Ratio Lower Upper

117 100

119 5.0 76.2 114.2#

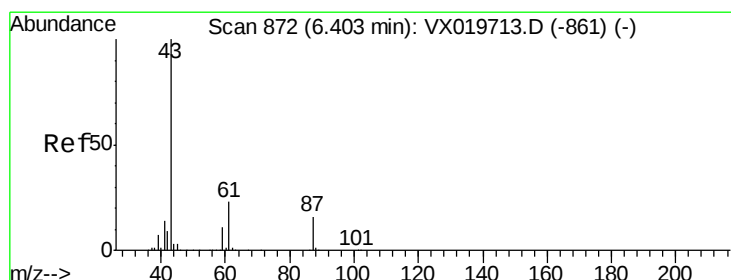
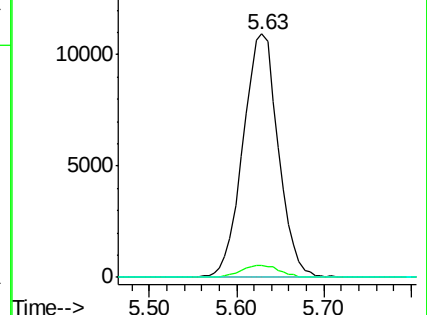
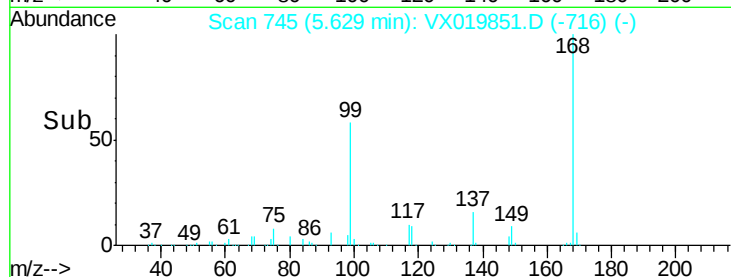
121 0.0 24.8 37.2#



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: 2.666 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.01 min

Lab File: VX019851.D

Acq: 11 Dec 2020 02:20

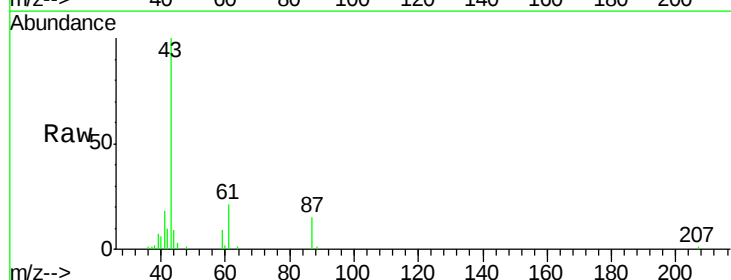
Tgt Ion: 43 Resp: 20894

Ion Ratio Lower Upper

43 100

61 22.8 18.2 27.4

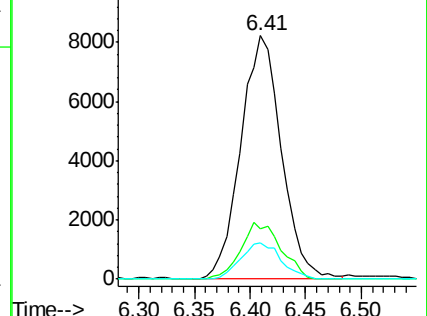
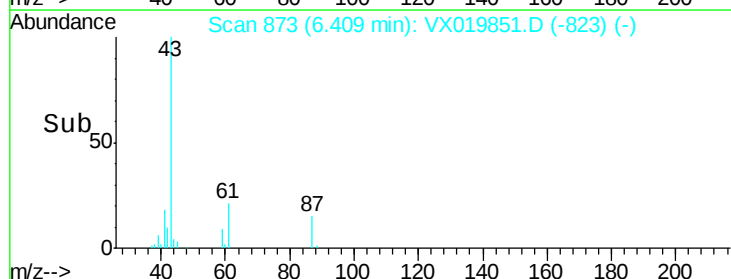
87 14.7 12.5 18.7

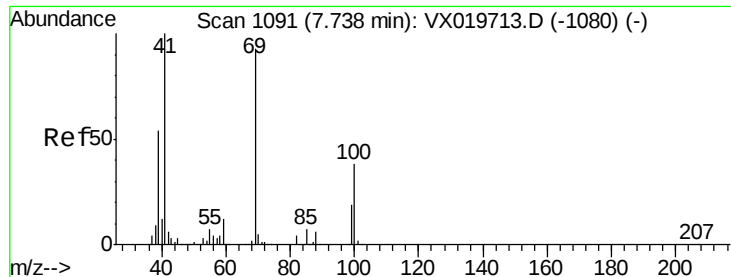


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

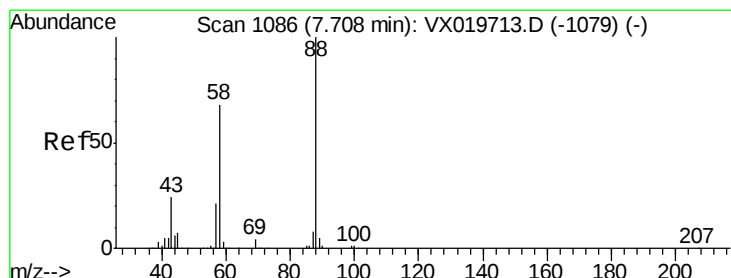
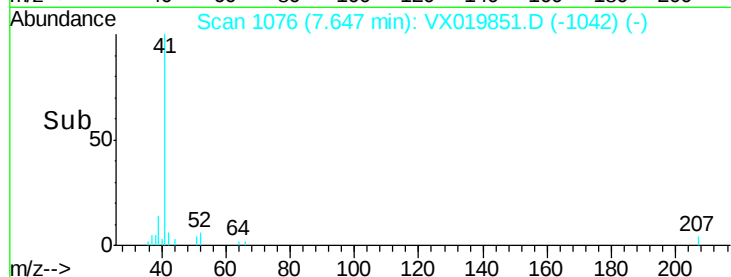
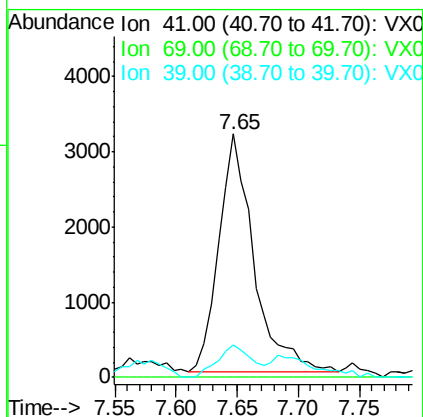
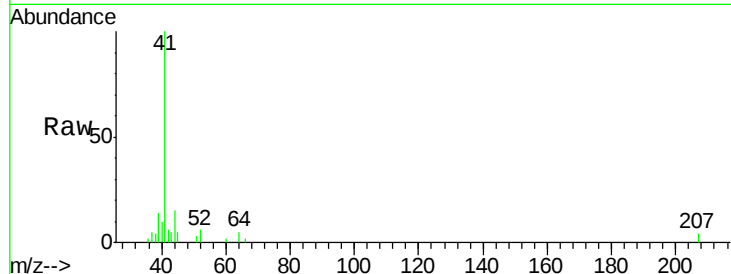




#48
Methyl methacrylate
Concen: 1.649 ug/l
RT: 7.65 min Scan# 1076
Delta R.T. -0.09 min
Lab File: VX019851.D
Acq: 11 Dec 2020 02:20

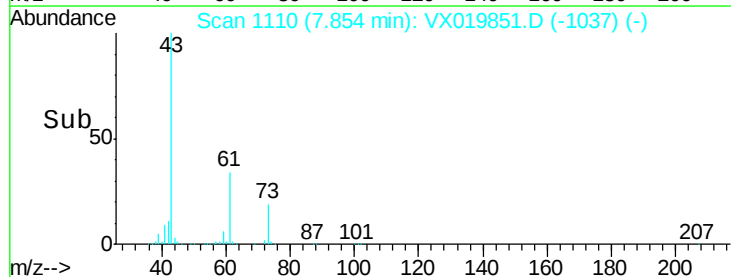
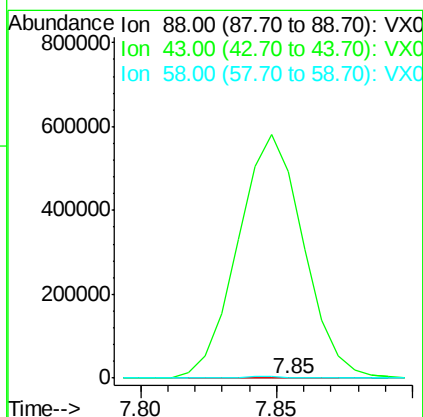
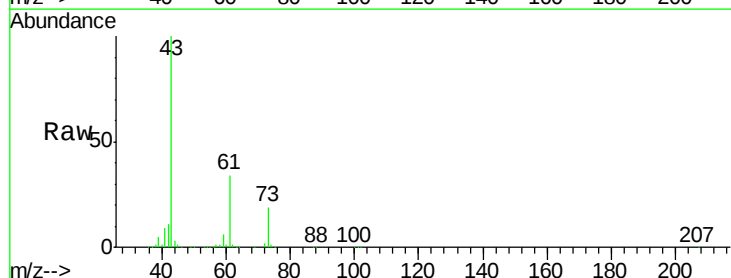
Instrument :
MSVOA_X
ClientSampleId :
TR1-D-TOP

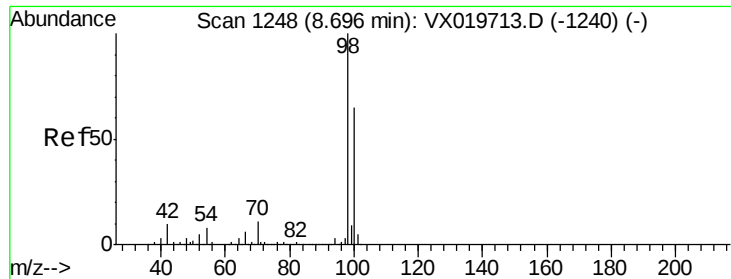
Tgt Ion: 41 Resp: 6356
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 2.281 ug/l
RT: 7.85 min Scan# 1110
Delta R.T. 0.15 min
Lab File: VX019851.D
Acq: 11 Dec 2020 02:20

Tgt Ion: 88 Resp: 213
Ion Ratio Lower Upper
88 100
43 458233.3 23.2 34.8#
58 2555.9 55.0 82.4#

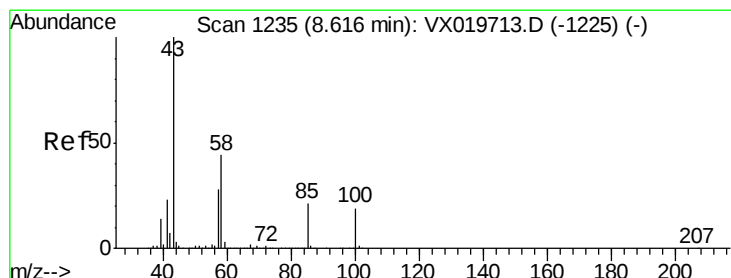
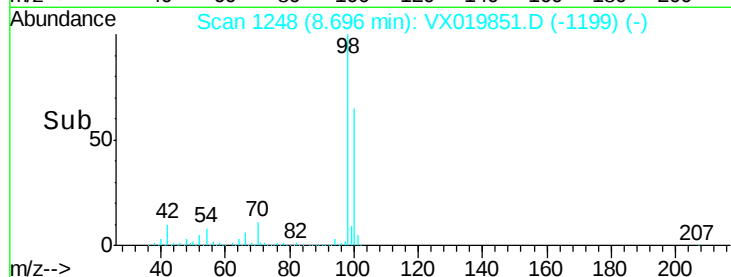
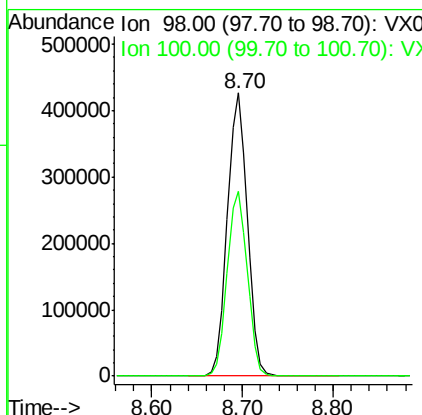
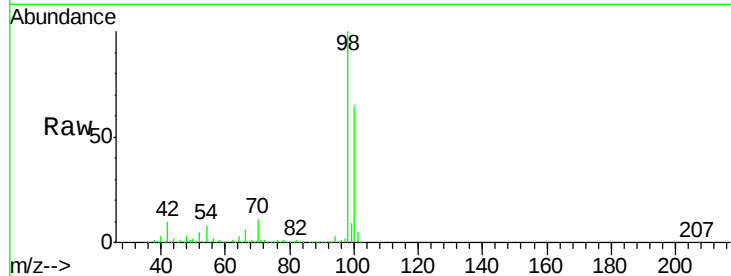




#50
Toluene-d8
Concen: 50.134 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019851.D
Acq: 11 Dec 2020 02:20

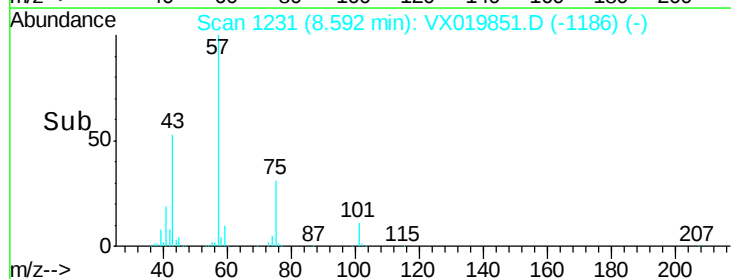
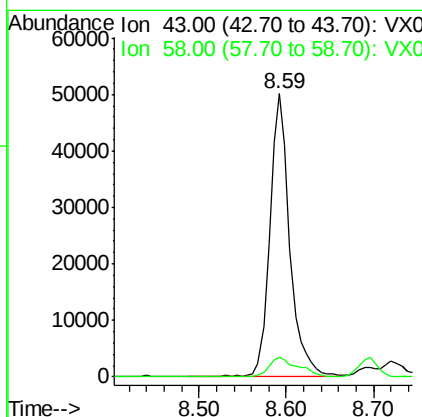
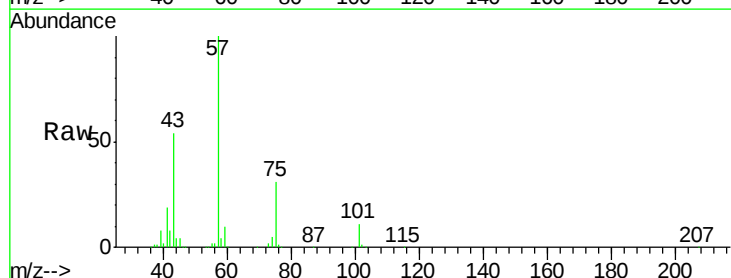
Instrument :
MSVOA_X
ClientSampleId :
TR1-D-TOP

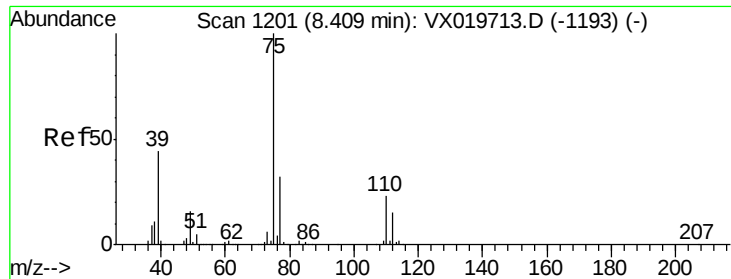
Tgt Ion: 98 Resp: 653643
Ion Ratio Lower Upper
98 100
100 65.7 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 16.605 ug/l
RT: 8.59 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VX019851.D
Acq: 11 Dec 2020 02:20

Tgt Ion: 43 Resp: 79462
Ion Ratio Lower Upper
43 100
58 9.9 35.4 53.0#

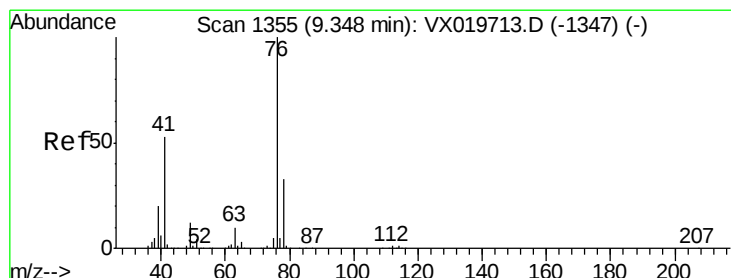
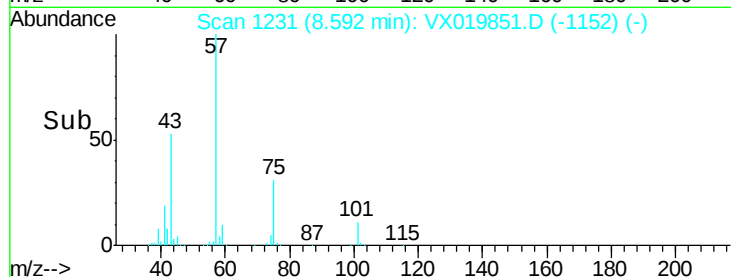
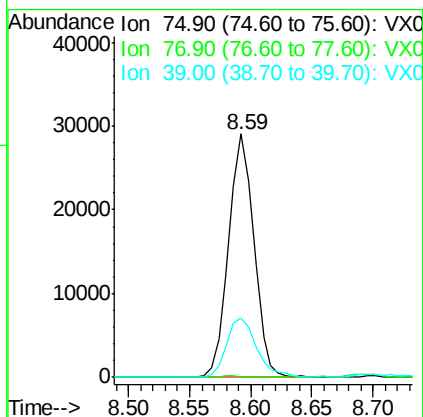
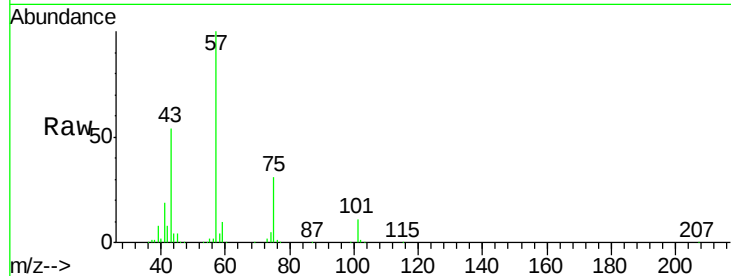




#54
 cis-1,3-Dichloropropene
 Concen: 7.087 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX019851.D
 Acq: 11 Dec 2020 02:20

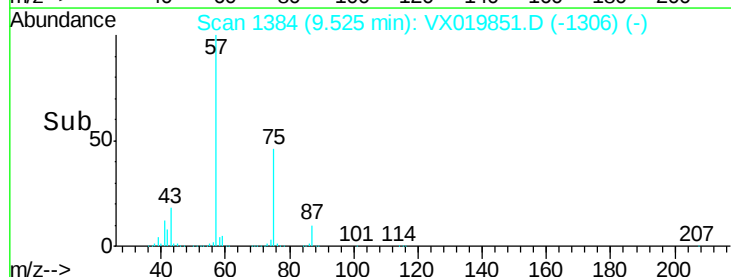
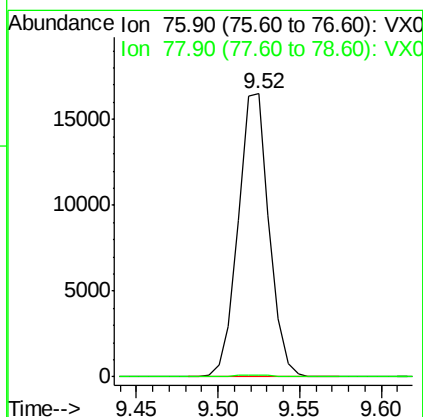
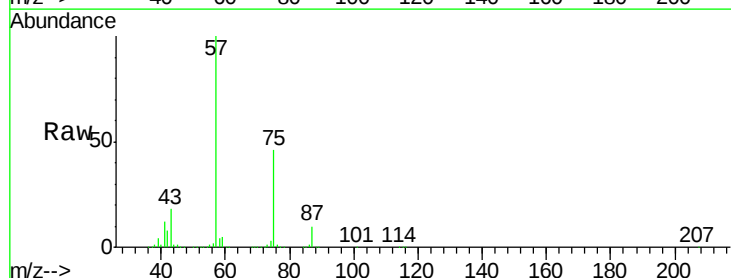
Instrument :
 MSVOA_X
 ClientSampleId :
 TR1-D-TOP

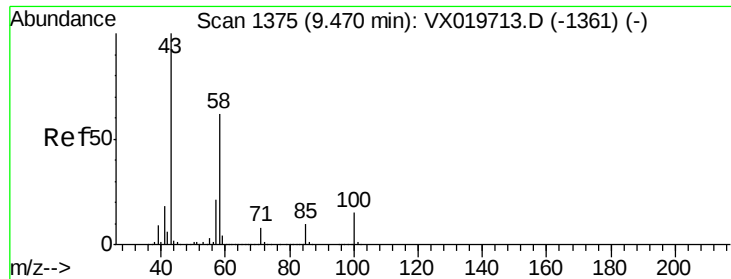
Tgt Ion: 75 Resp: 41739
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.7 38.5#
 39 24.1 35.1 52.7#



#57
 1,3-Dichloropropane
 Concen: 3.472 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.18 min
 Lab File: VX019851.D
 Acq: 11 Dec 2020 02:20

Tgt Ion: 76 Resp: 21794
 Ion Ratio Lower Upper
 76 100
 78 0.8 26.2 39.2#

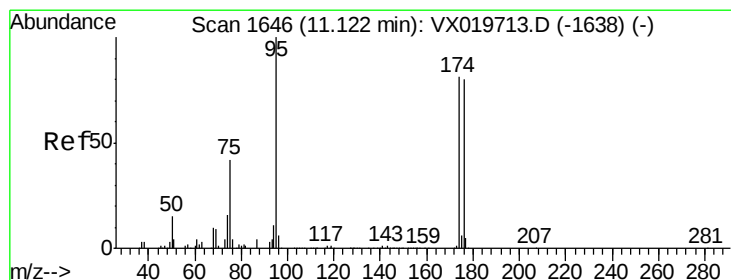
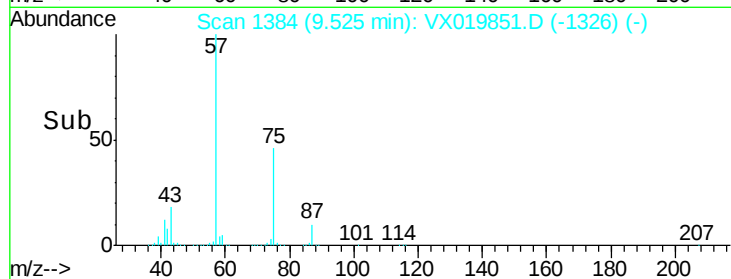
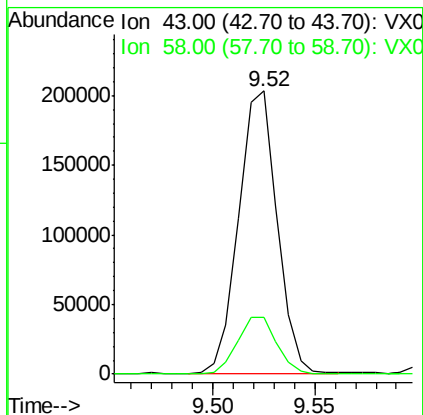
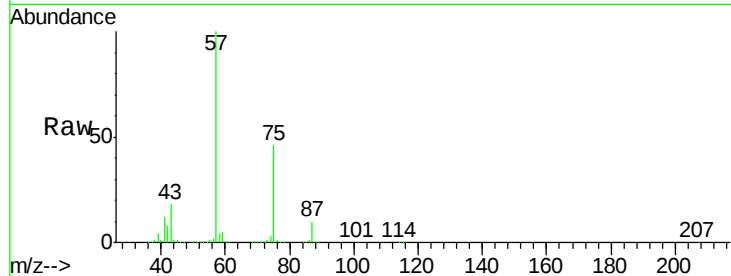




#59
2-Hexanone
Concen: 71.826 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX019851.D
Acq: 11 Dec 2020 02:20

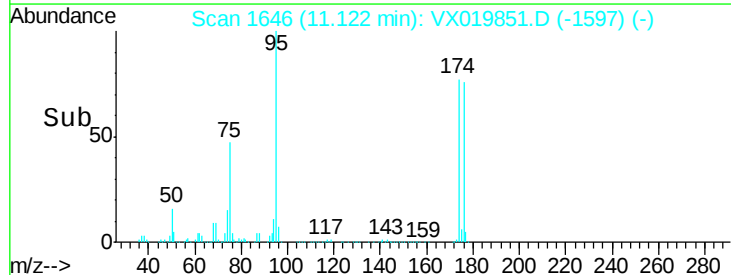
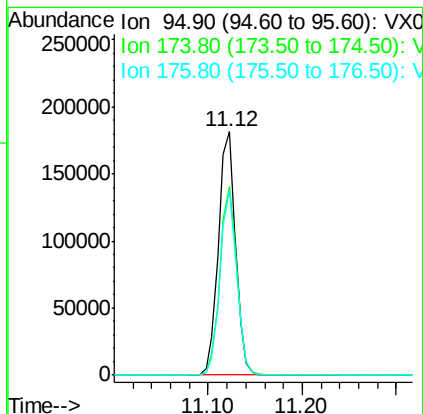
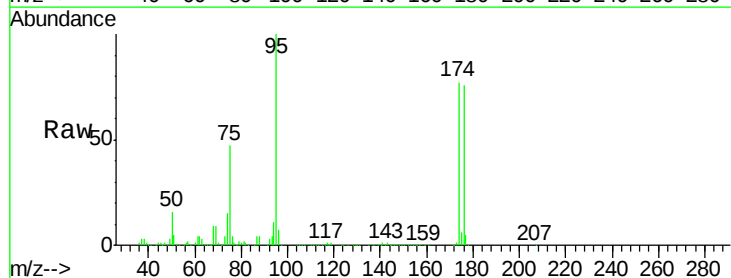
Instrument :
MSVOA_X
ClientSampleId :
TR1-D-TOP

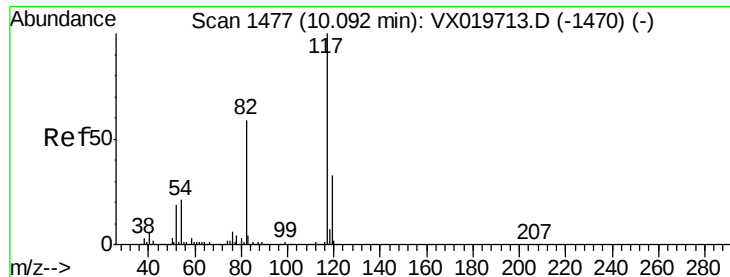
Tgt Ion: 43 Resp: 266427
Ion Ratio Lower Upper
43 100
58 20.6 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 46.196 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX019851.D
Acq: 11 Dec 2020 02:20

Tgt Ion: 95 Resp: 229240
Ion Ratio Lower Upper
95 100
174 76.9 0.0 154.6
176 74.0 0.0 155.8

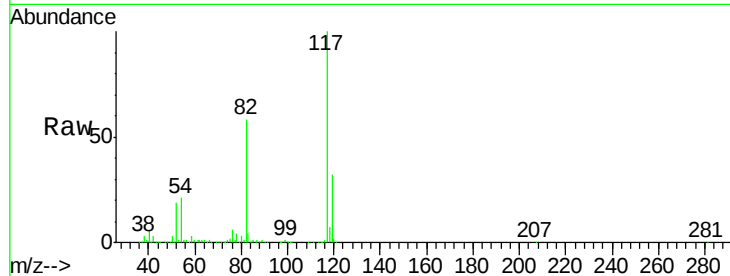




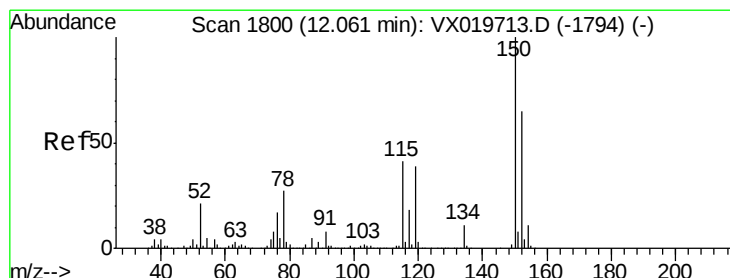
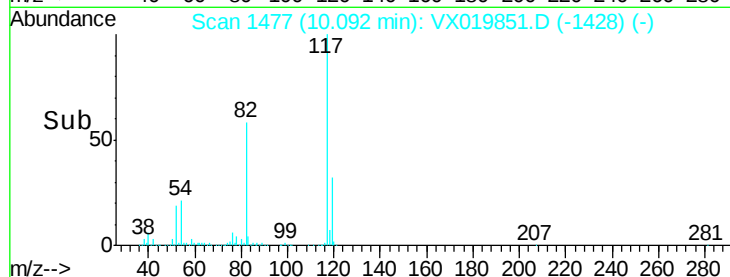
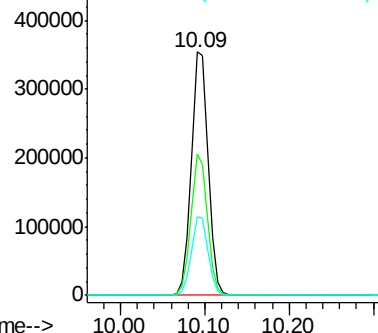
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.09 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX019851.D
Acq: 11 Dec 2020 02:20

Instrument :
MSVOA_X
ClientSampleId :
TR1-D-TOP

Tgt Ion:117 Resp: 494137
Ion Ratio Lower Upper
117 100
82 57.8 47.4 71.2
119 32.5 26.6 39.8

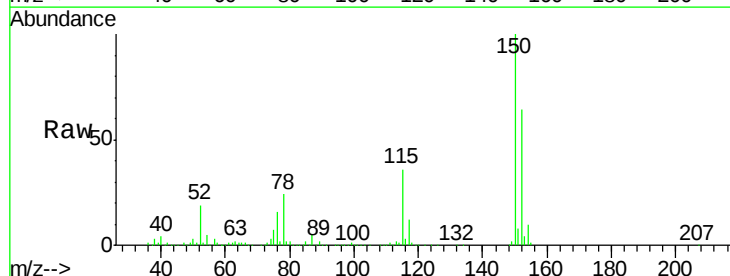


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

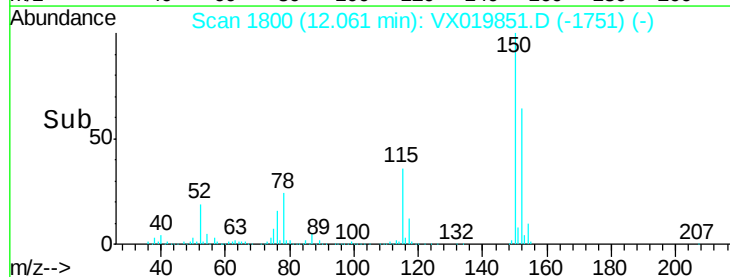
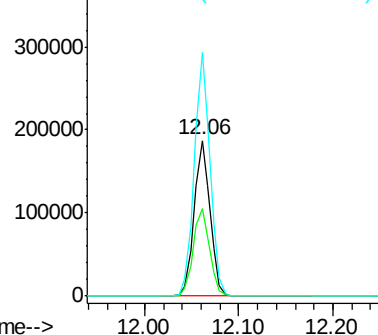


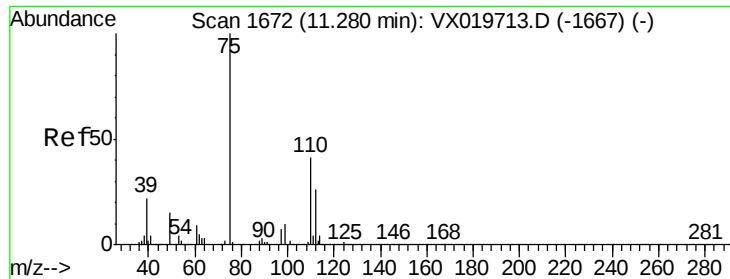
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX019851.D
Acq: 11 Dec 2020 02:20

Tgt Ion:152 Resp: 218658
Ion Ratio Lower Upper
152 100
115 58.0 41.1 123.3
150 154.9 0.0 349.0



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

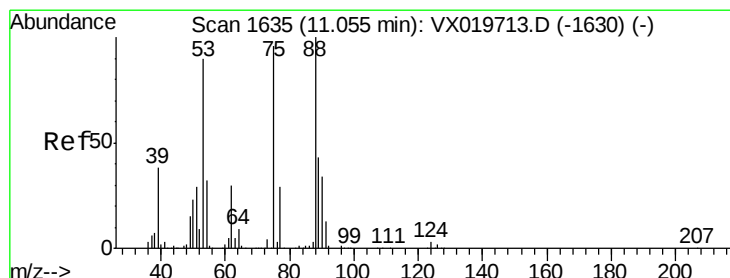
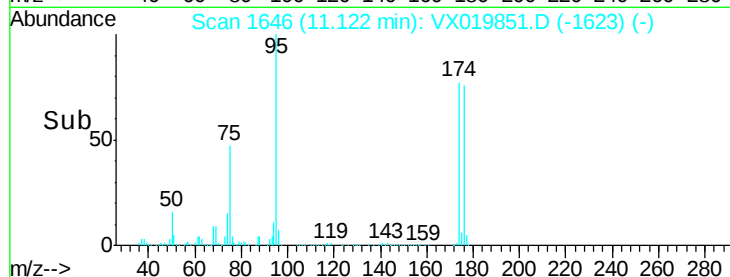
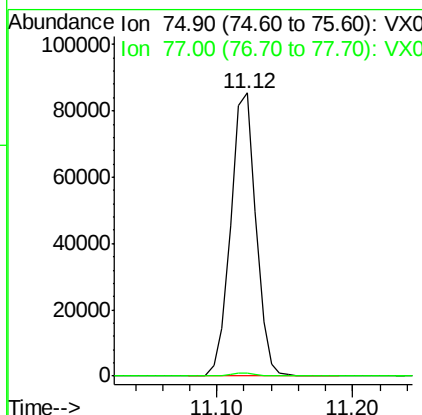
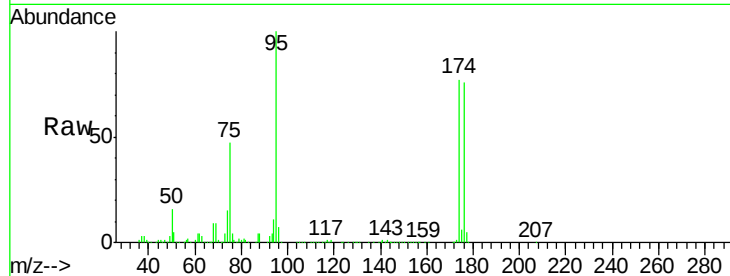




#76
 1,2,3-Trichloropropane
 Concen: 22.508 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX019851.D
 Acq: 11 Dec 2020 02:20

Instrument :
 MSVOA_X
 ClientSampleId :
 TR1-D-TOP

Tgt Ion: 75 Resp: 110384
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.068 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.07 min
 Lab File: VX019851.D
 Acq: 11 Dec 2020 02:20

Tgt Ion: 75 Resp: 110384
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.5 111.7#
 89 0.0 37.9 56.9#

