

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121020\
 Data File : VX019859.D
 Acq On : 11 Dec 2020 05:26
 Operator : JC/MD
 Sample : L4983-22
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TR2-D-BOTTOM

Quant Time: Dec 11 06:27:23 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	5.62	168	325305	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	540838	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	500179	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	218557	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	208727	48.82	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.64%	
35) Dibromofluoromethane		5.46	113	167301	47.86	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.72%	
50) Toluene-d8		8.70	98	668401	50.09	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.18%	
62) 4-Bromofluorobenzene		11.12	95	237309	46.72	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	93.44%	

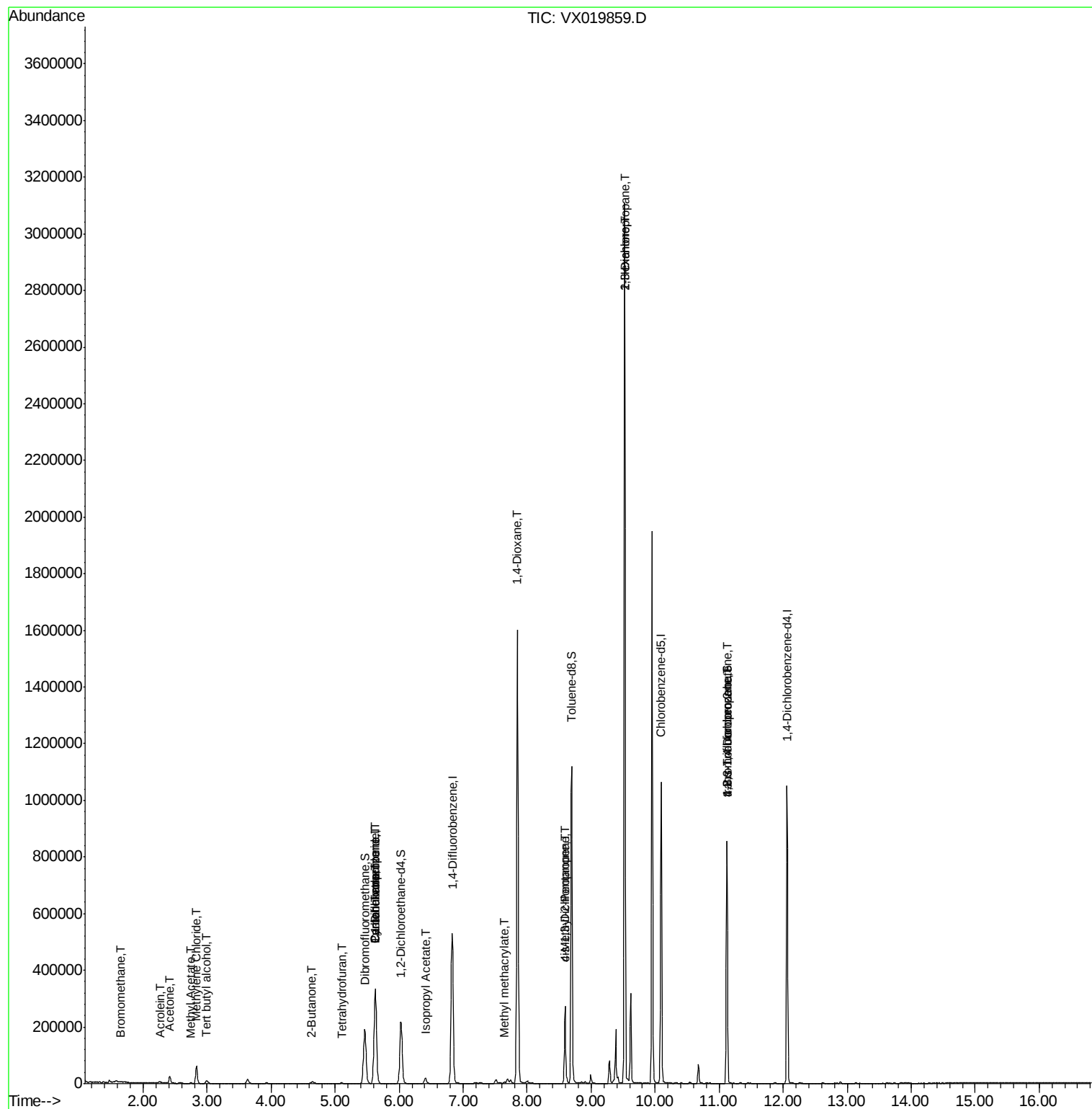
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	451	0.368	ug/l #	76
11) Tert butyl alcohol	3.00	59	6211	4.500	ug/l #	81
13) Acrolein	2.27	56	272	0.576	ug/l #	1
16) Acetone	2.42	43	26037	16.202	ug/l	96
18) Methyl Acetate	2.75	43	1843	0.469	ug/l #	86
20) Methylene Chloride	2.83	84	29505	6.814	ug/l	97
25) 2-Butanone	4.64	43	3855	1.561	ug/l #	86
29) Tetrahydrofuran	5.10	42	705	0.443	ug/l #	76
31) Cyclohexane	5.63	56	6229	1.171	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	24467	5.006	ug/l #	49
38) Carbon Tetrachloride	5.63	117	31533	6.589	ug/l #	17
43) Isopropyl Acetate	6.41	43	24084	3.002	ug/l	100
48) Methyl methacrylate	7.65	41	6633	1.681	ug/l #	10
49) 1,4-Dioxane	7.85	88	197	2.061	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	84326	17.217	ug/l #	47
54) cis-1,3-Dichloropropene	8.59	75	44808	7.434	ug/l #	60
57) 1,3-Dichloropropane	9.52	76	27486	4.278	ug/l #	43
59) 2-Hexanone	9.52	43	332698	87.632	ug/l #	46
76) 1,2,3-Trichloropropane	11.12	75	113146	23.082	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	113146	66.727	ug/l #	12

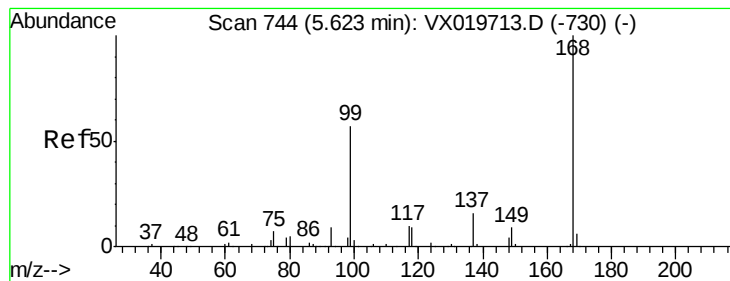
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX121020\
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Quant Time: Dec 11 06:27:23 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 04 15:32:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.00 min

Lab File: VX019859.D

Acq: 11 Dec 2020 05:26

Instrument :

MSVOA_X

ClientSampleId :

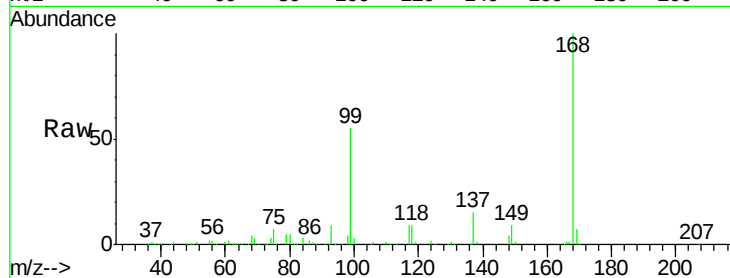
TR2-D-BOTTOM

Tgt Ion:168 Resp: 325305

Ion Ratio Lower Upper

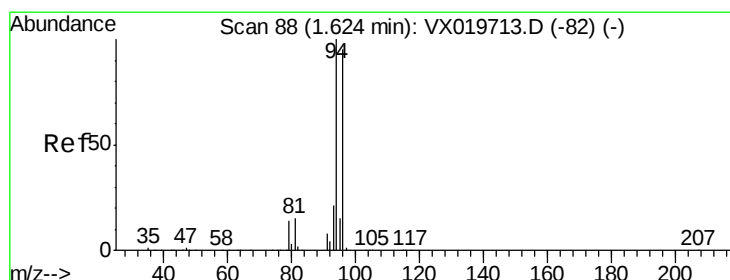
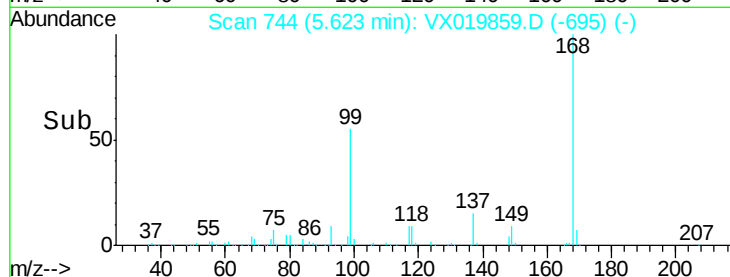
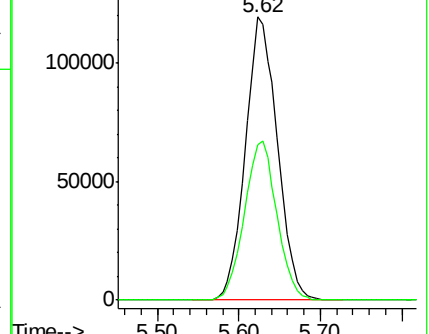
168 100

99 54.8 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.368 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX019859.D

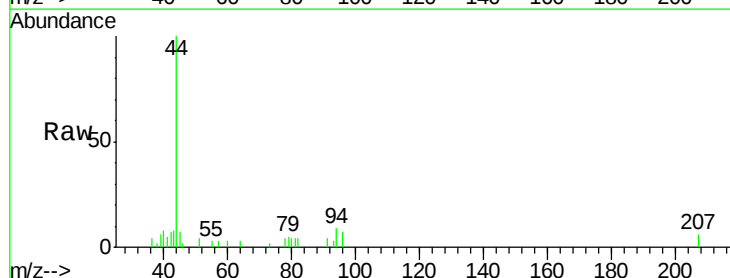
Acq: 11 Dec 2020 05:26

Tgt Ion: 94 Resp: 451

Ion Ratio Lower Upper

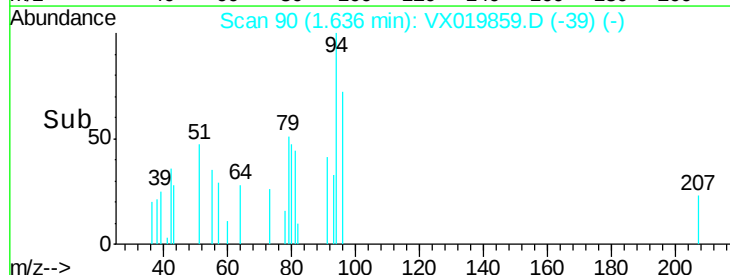
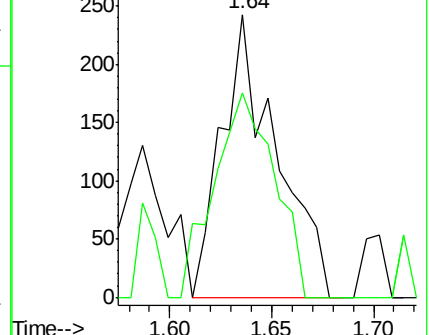
94 100

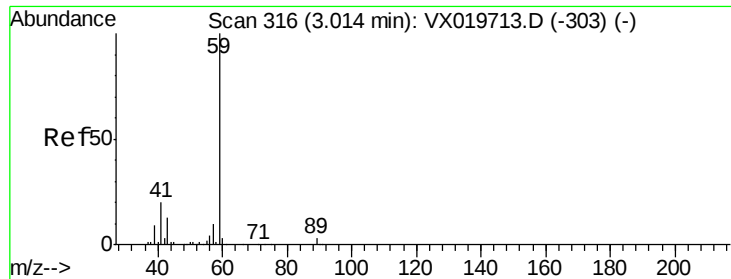
96 72.0 76.4 114.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

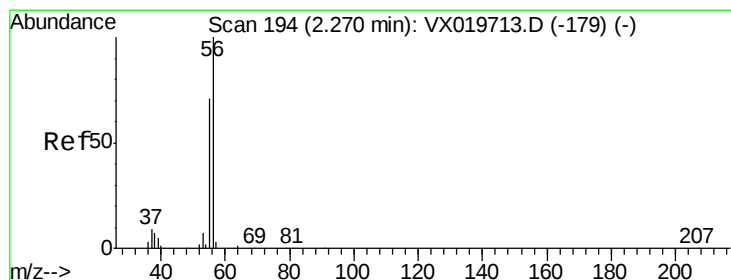
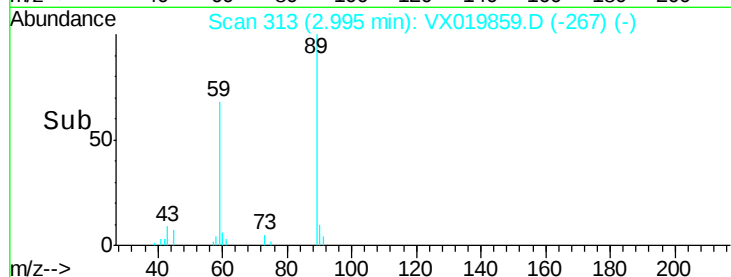
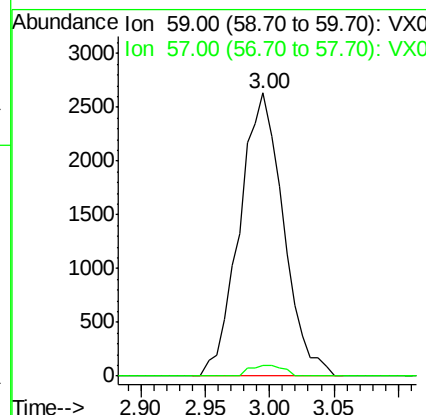
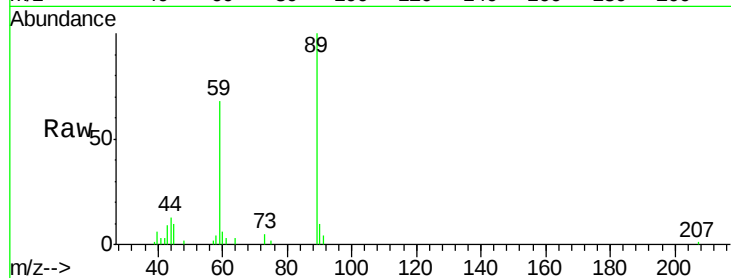




#11
Tert butyl alcohol
Concen: 4.500 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX019859.D
Acq: 11 Dec 2020 05:26

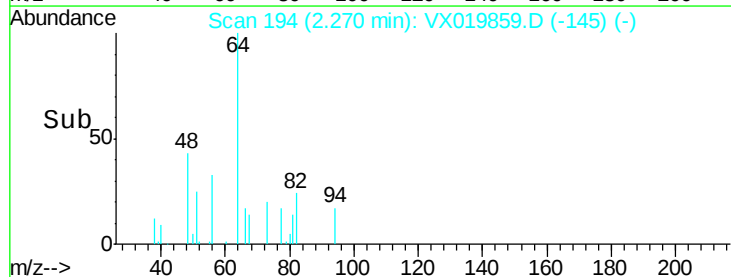
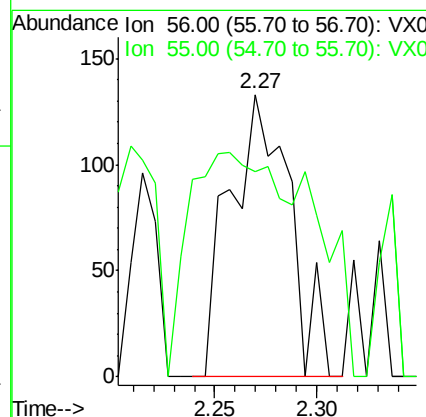
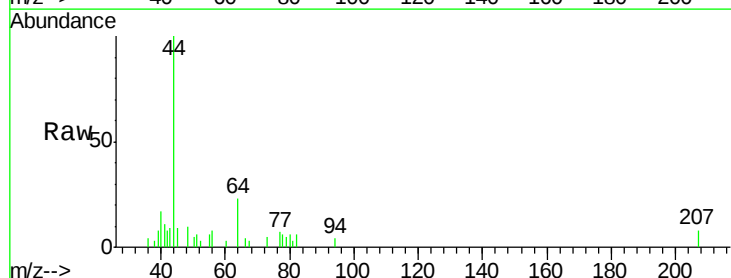
Instrument :
MSVOA_X
ClientSampleId :
TR2-D-BOTTOM

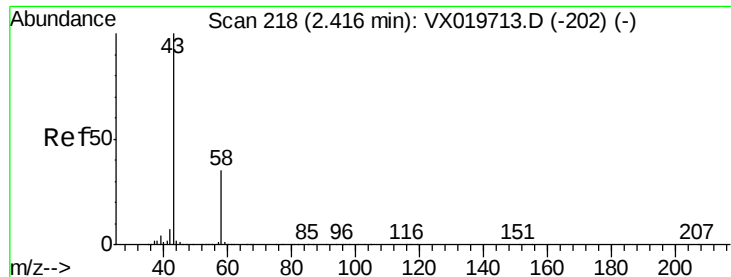
Tgt Ion: 59 Resp: 6211
Ion Ratio Lower Upper
59 100
57 2.8 7.8 11.8#



#13
Acrolein
Concen: 0.576 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.00 min
Lab File: VX019859.D
Acq: 11 Dec 2020 05:26

Tgt Ion: 56 Resp: 272
Ion Ratio Lower Upper
56 100
55 162.9 56.4 84.6#





#16

Acetone

Concen: 16.202 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX019859.D

Acq: 11 Dec 2020 05:26

Instrument :

MSVOA_X

ClientSampleId :

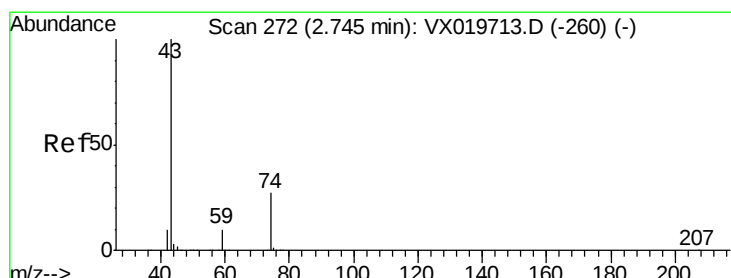
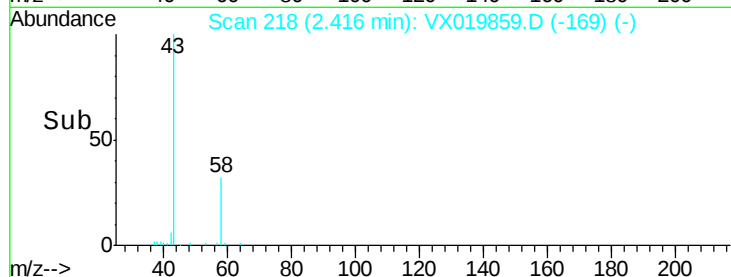
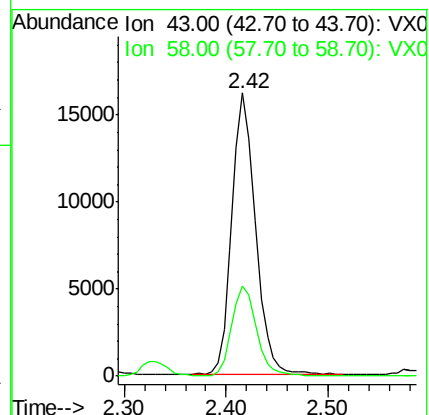
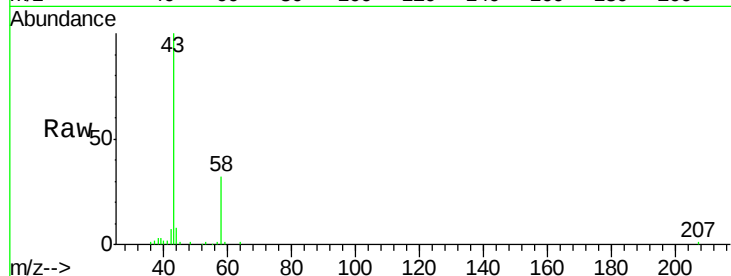
TR2-D-BOTTOM

Tgt Ion: 43 Resp: 26037

Ion Ratio Lower Upper

43 100

58 32.2 27.8 41.8



#18

Methyl Acetate

Concen: 0.469 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.00 min

Lab File: VX019859.D

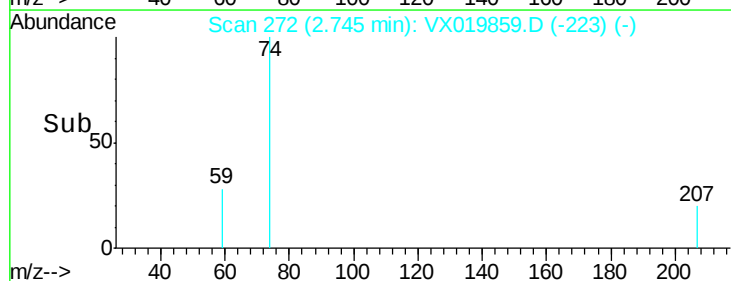
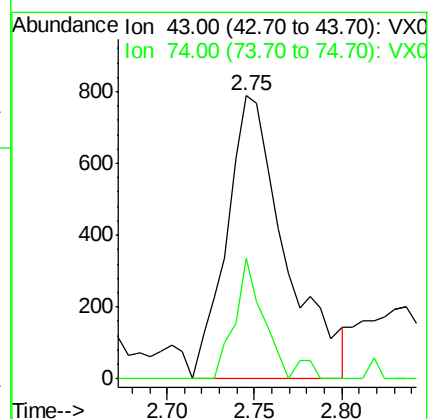
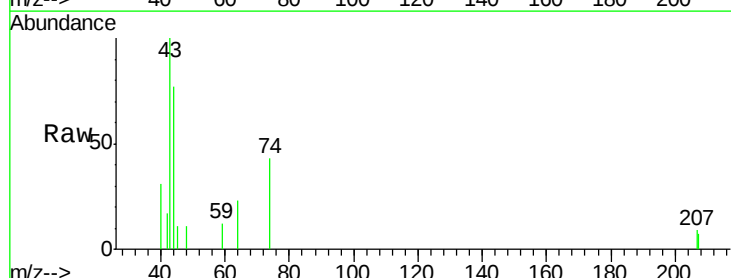
Acq: 11 Dec 2020 05:26

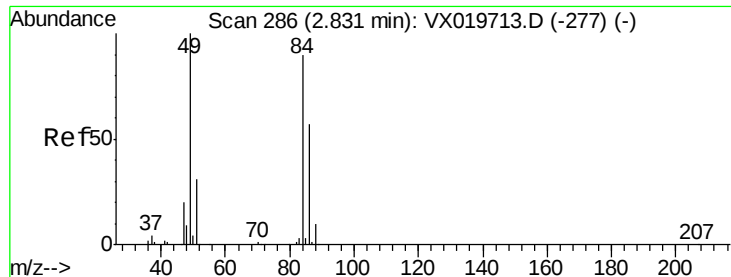
Tgt Ion: 43 Resp: 1843

Ion Ratio Lower Upper

43 100

74 20.3 21.9 32.9#

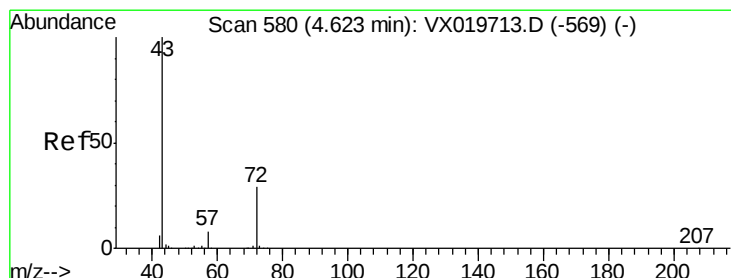
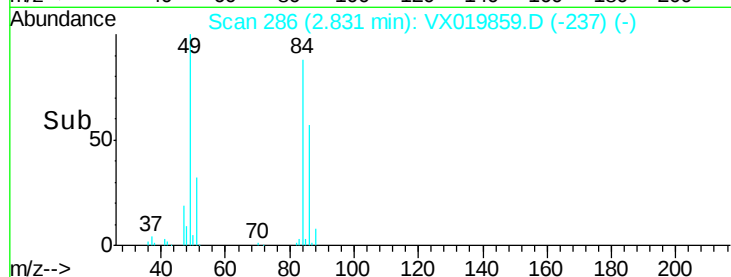
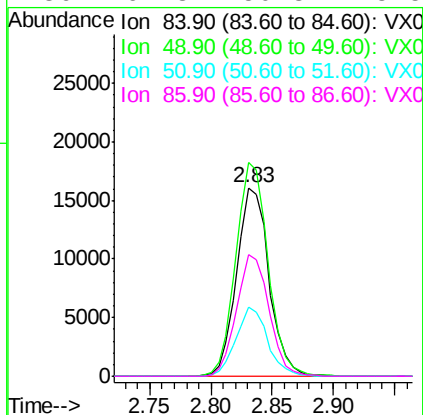
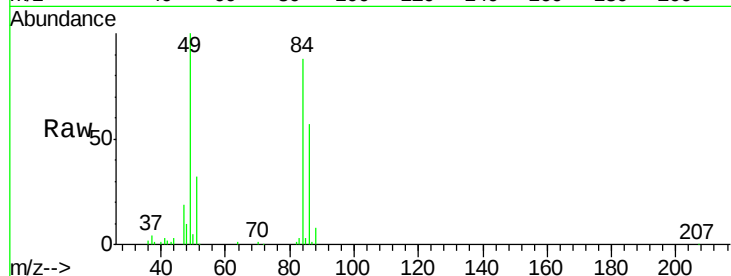




#20
Methylene Chloride
Concen: 6.814 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX019859.D
Acq: 11 Dec 2020 05:26

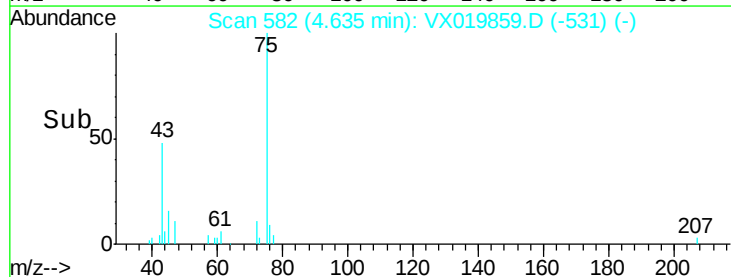
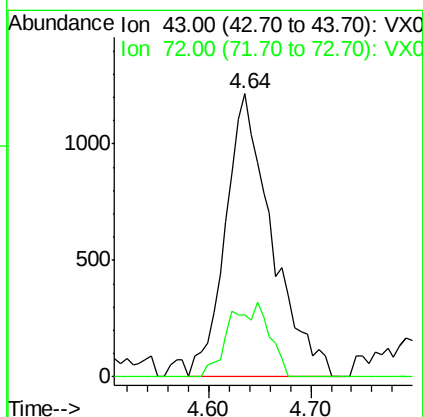
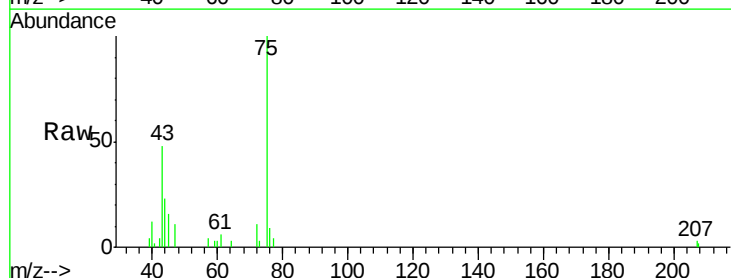
Instrument :
MSVOA_X
ClientSampled :
TR2-D-BOTTOM

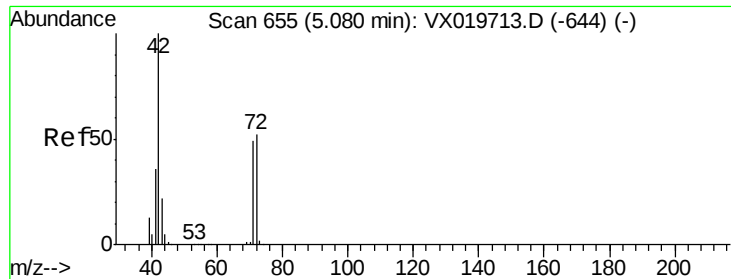
Tgt Ion:	84	Resp:	29505
Ion	Ratio	Lower	Upper
84	100		
49	113.3	88.6	132.8
51	36.4	27.0	40.6
86	64.3	50.3	75.5



#25
2-Butanone
Concen: 1.561 ug/l
RT: 4.64 min Scan# 582
Delta R.T. 0.01 min
Lab File: VX019859.D
Acq: 11 Dec 2020 05:26

Tgt Ion:	43	Resp:	3855
Ion	Ratio	Lower	Upper
43	100		
72	22.0	23.7	35.5#

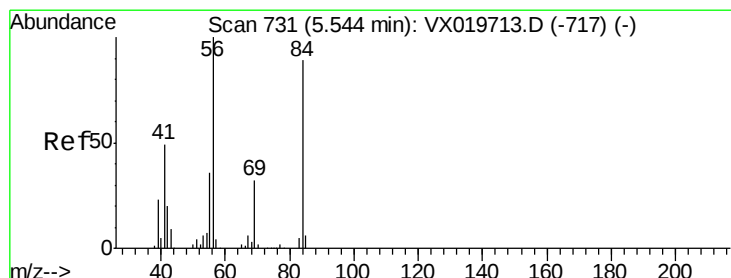
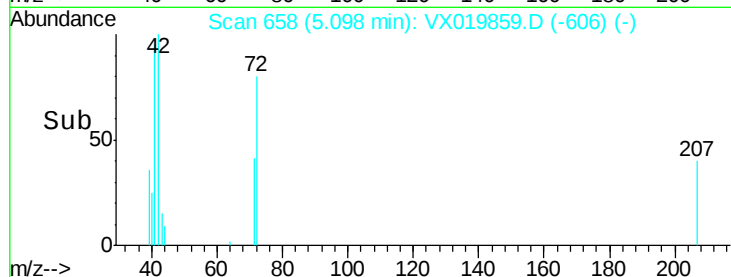
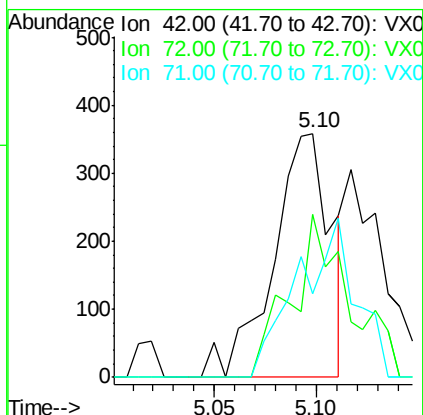
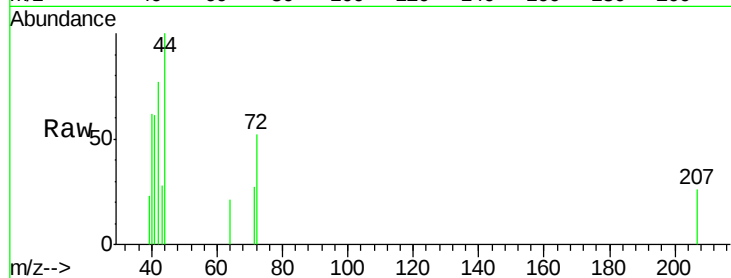




#29
Tetrahydrofuran
Concen: 0.443 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.02 min
Lab File: VX019859.D
Acq: 11 Dec 2020 05:26

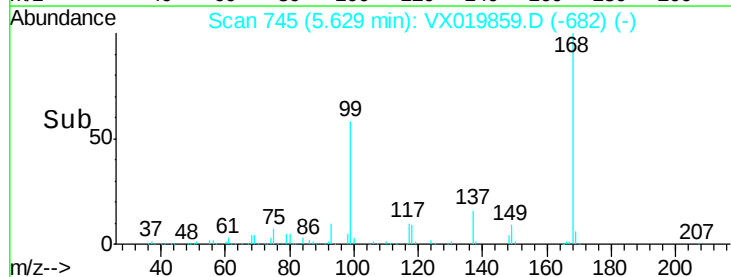
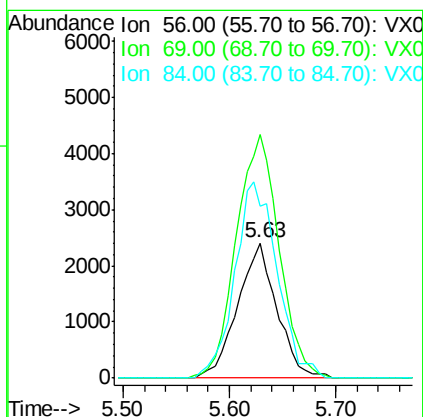
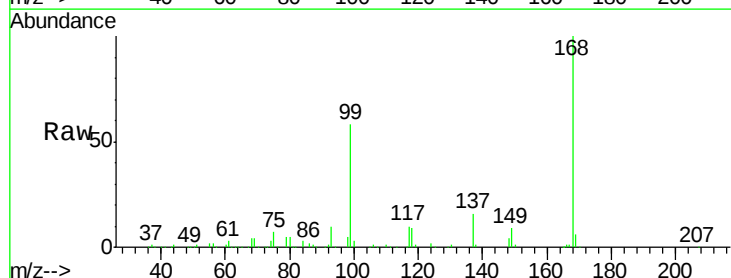
Instrument :
MSVOA_X
ClientSampleId :
TR2-D-BOTTOM

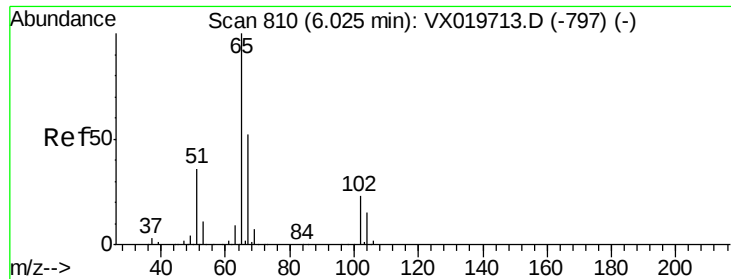
Tgt Ion: 42 Resp: 705
Ion Ratio Lower Upper
42 100
72 67.1 41.7 62.5#
71 65.5 38.4 57.6#



#31
Cyclohexane
Concen: 1.171 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.09 min
Lab File: VX019859.D
Acq: 11 Dec 2020 05:26

Tgt Ion: 56 Resp: 6229
Ion Ratio Lower Upper
56 100
69 180.3 25.3 37.9#
84 127.0 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 48.820 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.00 min

Lab File: VX019859.D

Acq: 11 Dec 2020 05:26

Instrument :

MSVOA_X

ClientSampleId :

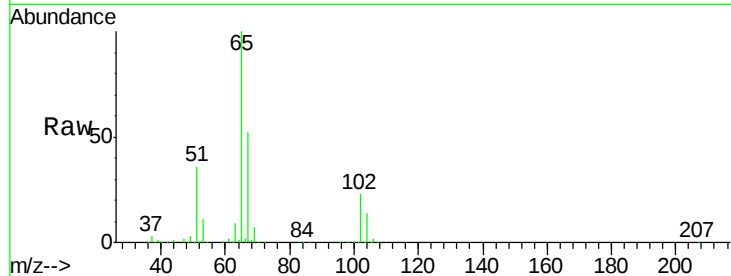
TR2-D-BOTTOM

Tgt Ion: 65 Resp: 208727

Ion Ratio Lower Upper

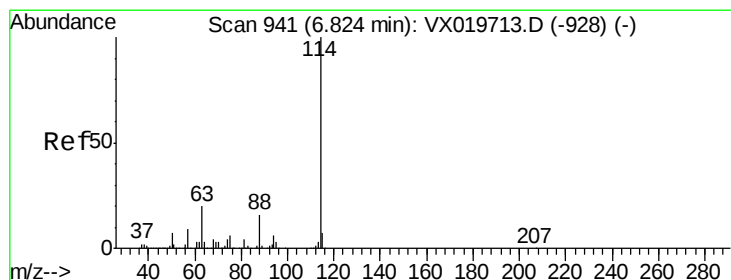
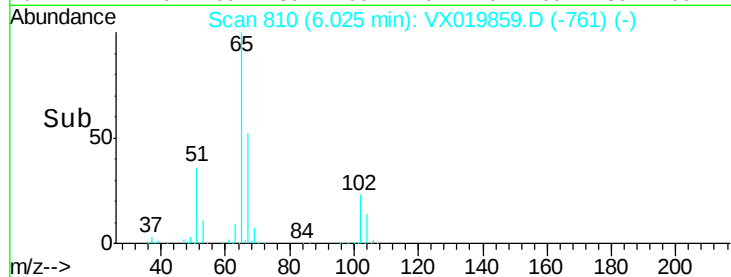
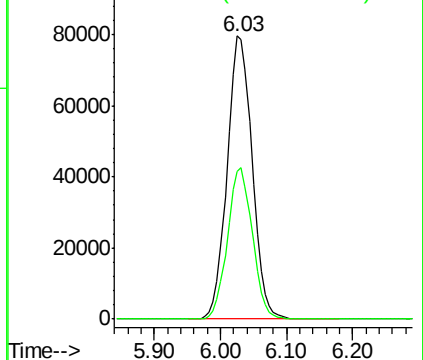
65 100

67 53.1 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: VX019859.D

Acq: 11 Dec 2020 05:26

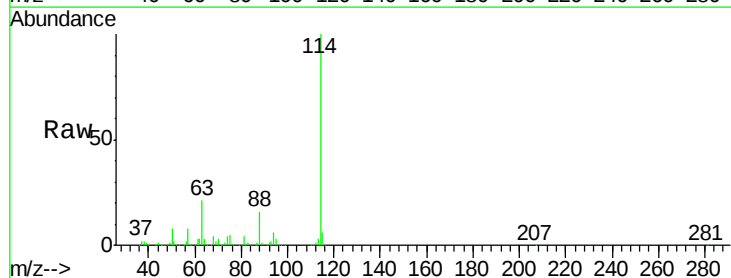
Tgt Ion: 114 Resp: 540838

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

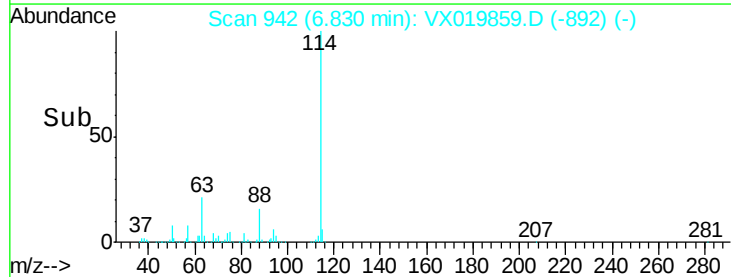
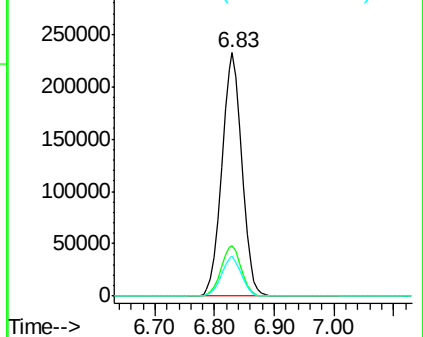
88 16.4 0.0 32.8

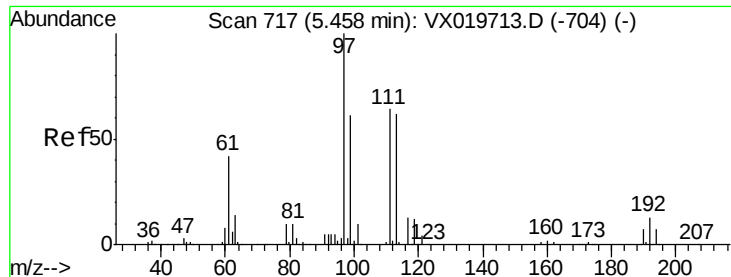


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

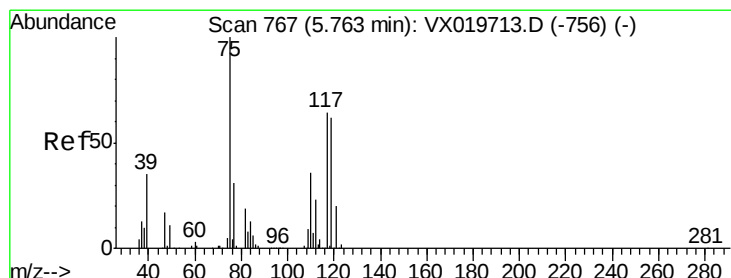
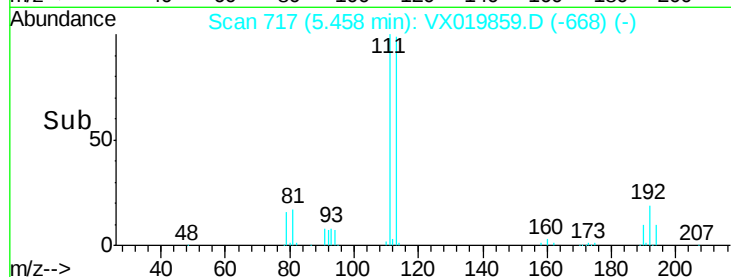
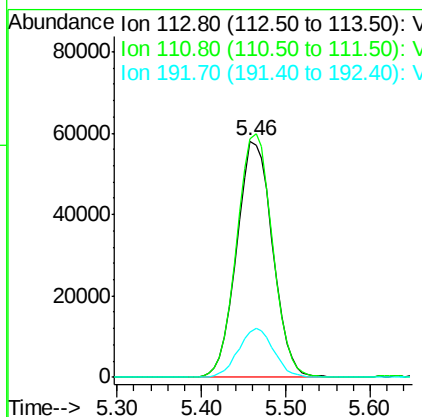
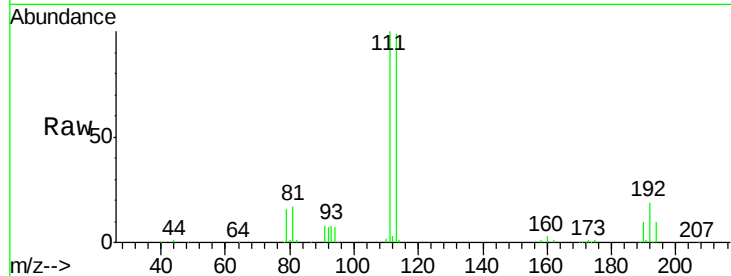




#35
 Dibromofluoromethane
 Concen: 47.864 ug/l
 RT: 5.46 min Scan# 717
 Delta R.T. -0.00 min
 Lab File: VX019859.D
 Acq: 11 Dec 2020 05:26

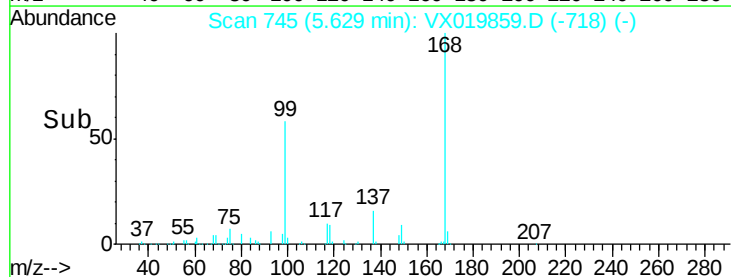
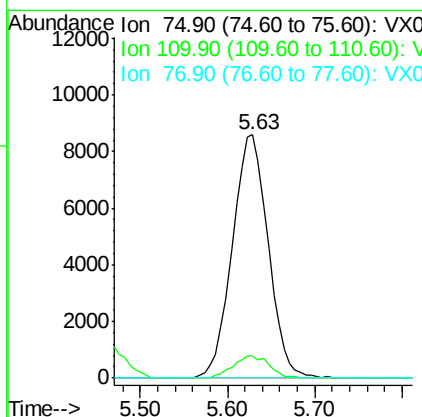
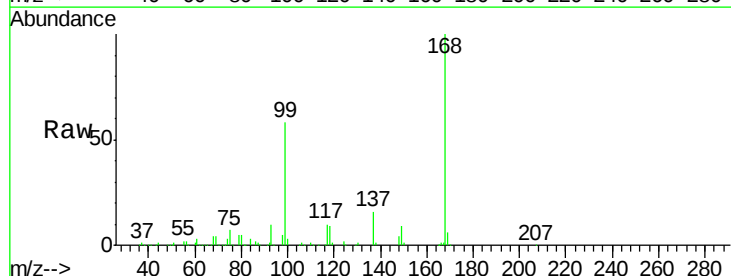
Instrument :
 MSVOA_X
 ClientSampleId :
 TR2-D-BOTTOM

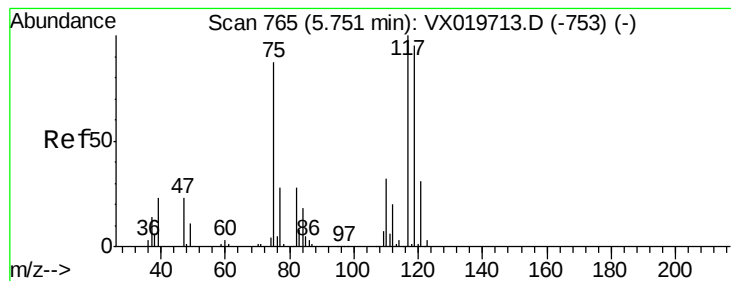
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.9	122.9
192	20.4	16.7	25.1



#36
 1,1-Dichloropropene
 Concen: 5.006 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX019859.D
 Acq: 11 Dec 2020 05:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	18.1	54.4#
77	0.0	25.3	37.9#





#38

Carbon Tetrachloride

Concen: 6.589 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019859.D

Acq: 11 Dec 2020 05:26

Instrument :

MSVOA_X

ClientSampleId :

TR2-D-BOTTOM

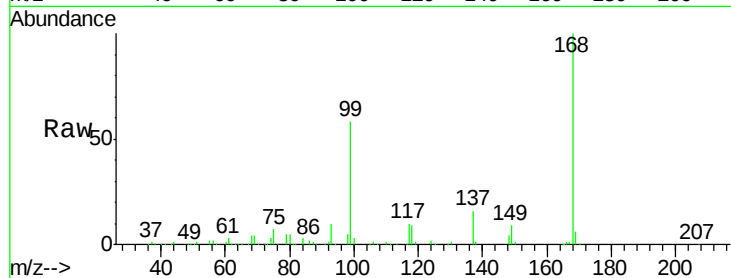
Tgt Ion: 117 Resp: 31533

Ion Ratio Lower Upper

117 100

119 5.6 76.2 114.2#

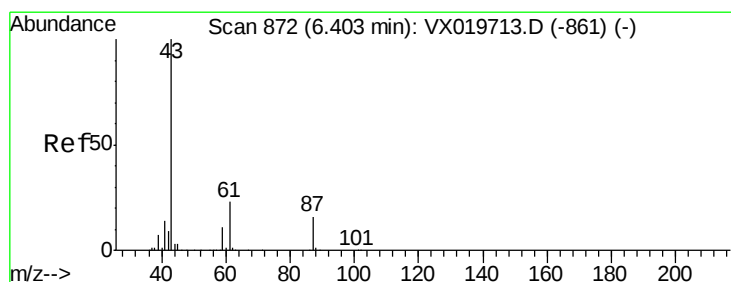
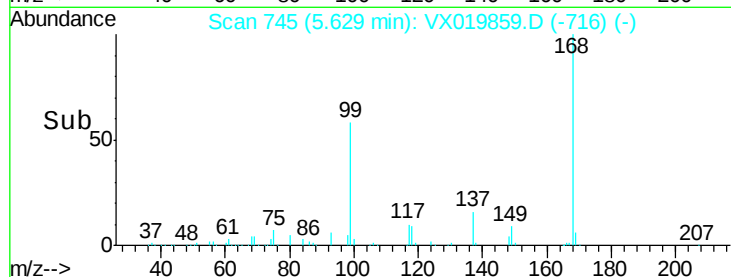
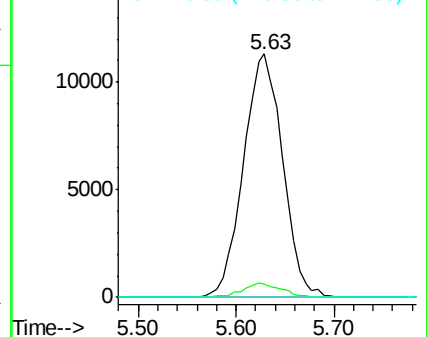
121 0.0 24.8 37.2#



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: 3.002 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.01 min

Lab File: VX019859.D

Acq: 11 Dec 2020 05:26

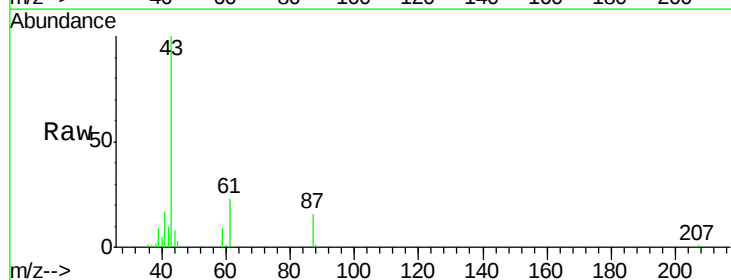
Tgt Ion: 43 Resp: 24084

Ion Ratio Lower Upper

43 100

61 23.0 18.2 27.4

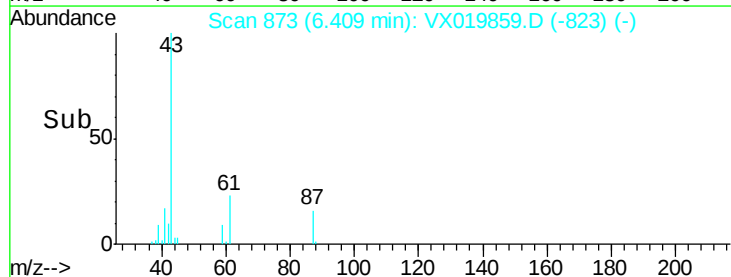
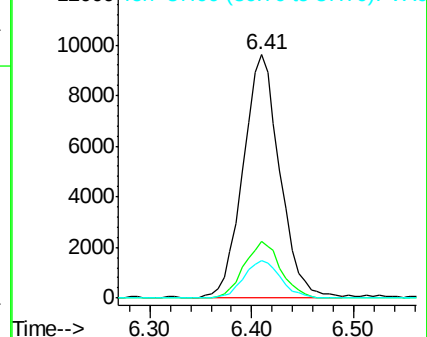
87 15.5 12.5 18.7

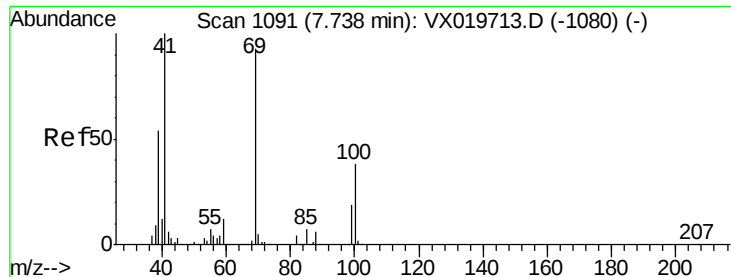


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

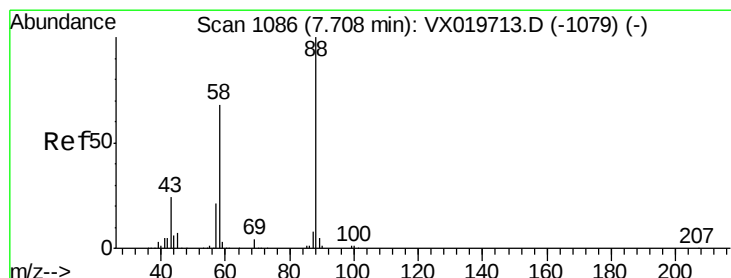
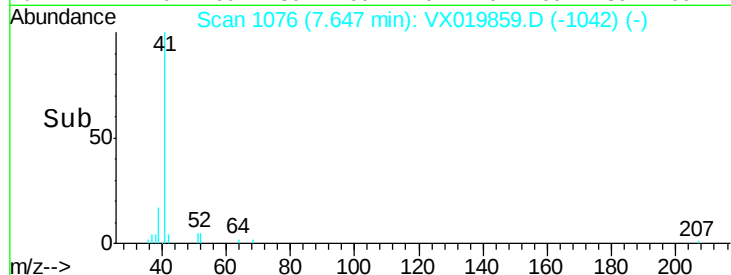
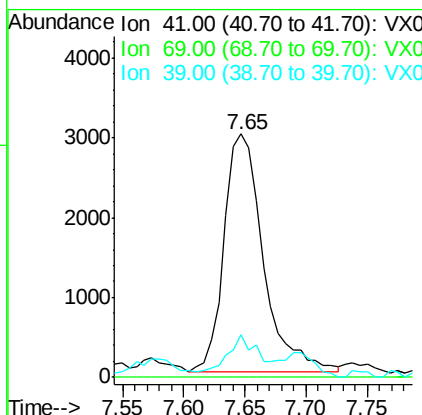
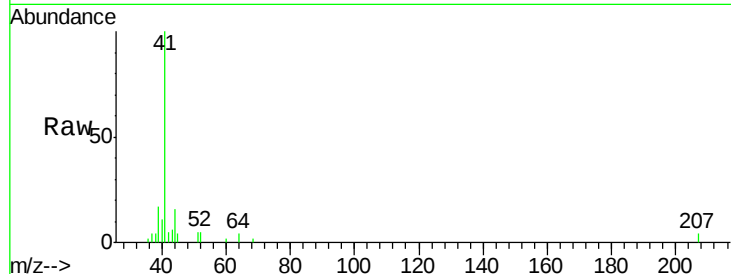




#48
Methyl methacrylate
Concen: 1.681 ug/l
RT: 7.65 min Scan# 1076
Delta R.T. -0.09 min
Lab File: VX019859.D
Acq: 11 Dec 2020 05:26

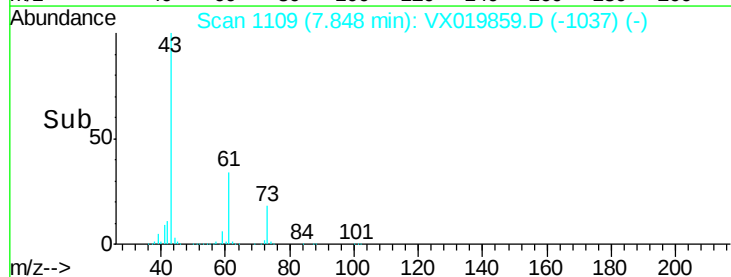
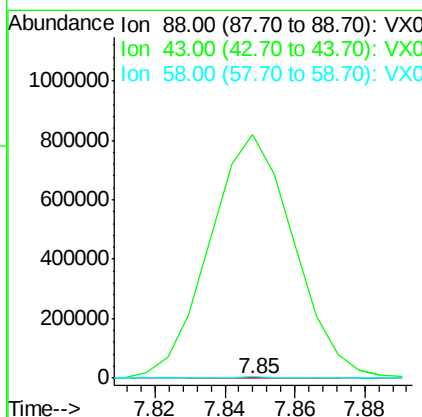
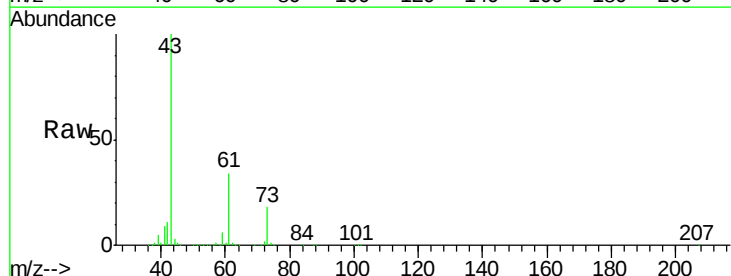
Instrument :
MSVOA_X
ClientSampleId :
TR2-D-BOTTOM

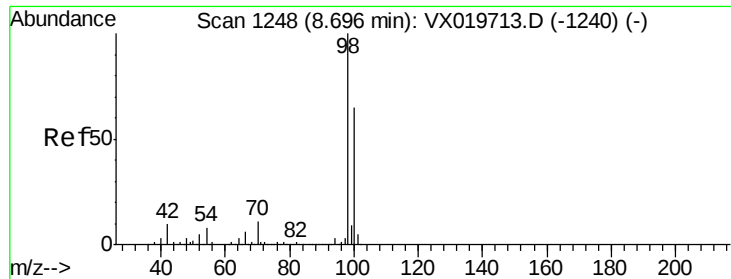
Tgt Ion: 41 Resp: 6633
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 2.061 ug/l
RT: 7.85 min Scan# 1109
Delta R.T. 0.14 min
Lab File: VX019859.D
Acq: 11 Dec 2020 05:26

Tgt Ion: 88 Resp: 197
Ion Ratio Lower Upper
88 100
43 701713.7 23.2 34.8#
58 3657.9 55.0 82.4#

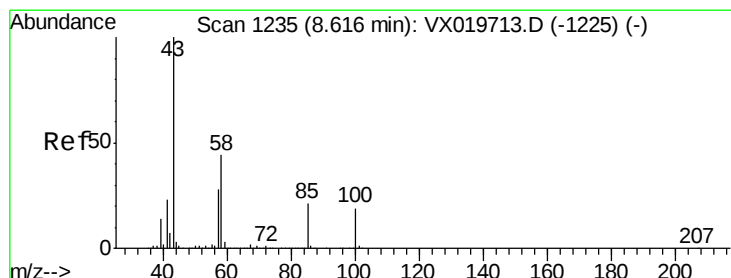
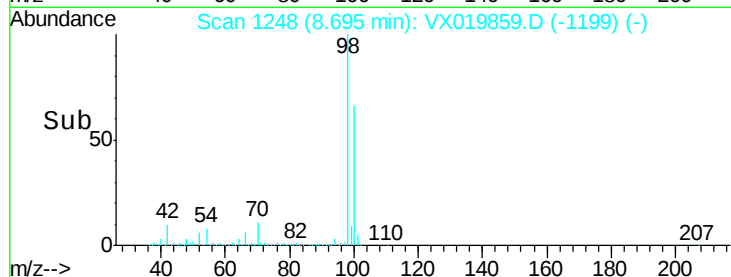
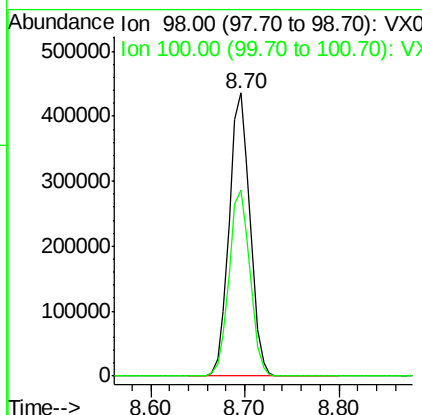
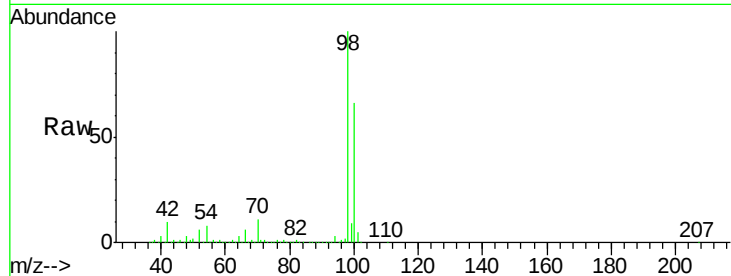




#50
Toluene-d8
Concen: 50.089 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019859.D
Acq: 11 Dec 2020 05:26

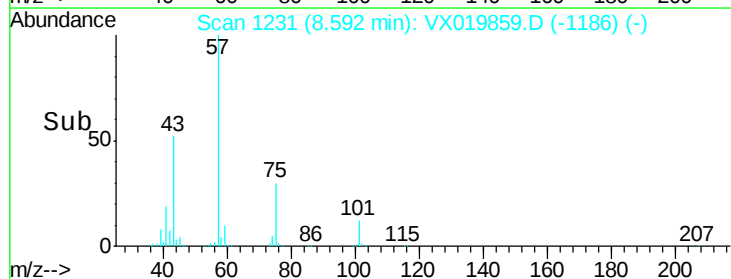
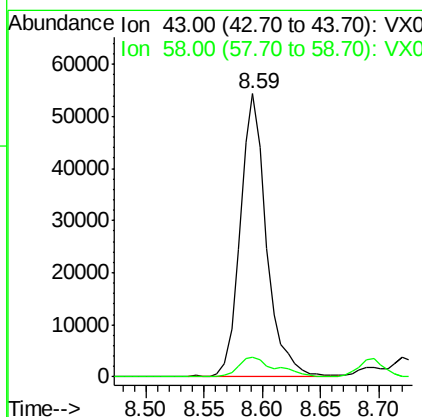
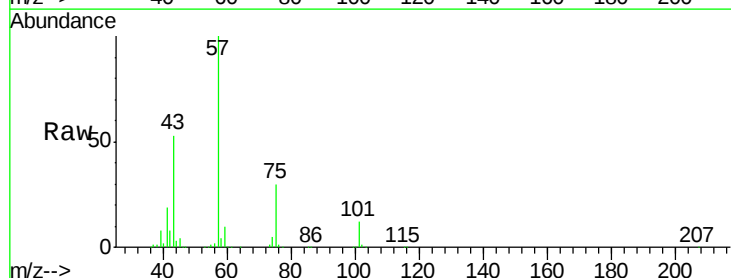
Instrument :
MSVOA_X
ClientSampleId :
TR2-D-BOTTOM

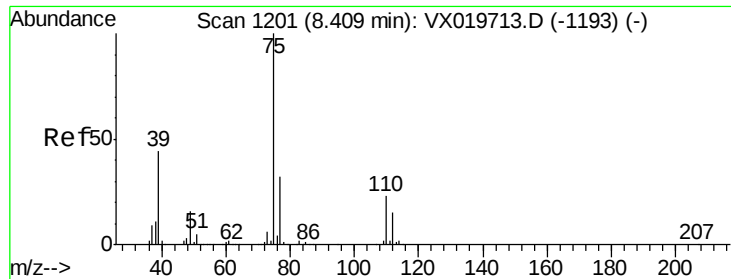
Tgt Ion: 98 Resp: 668401
Ion Ratio Lower Upper
98 100
100 66.1 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 17.217 ug/l
RT: 8.59 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VX019859.D
Acq: 11 Dec 2020 05:26

Tgt Ion: 43 Resp: 84326
Ion Ratio Lower Upper
43 100
58 9.8 35.4 53.0#

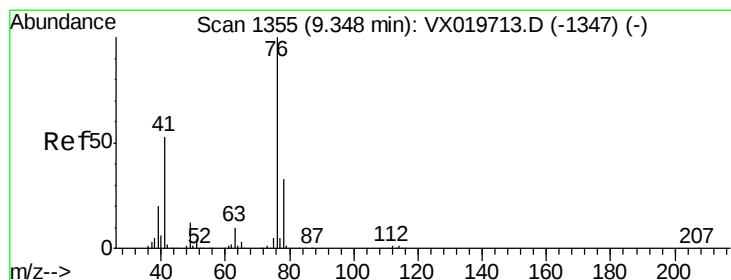
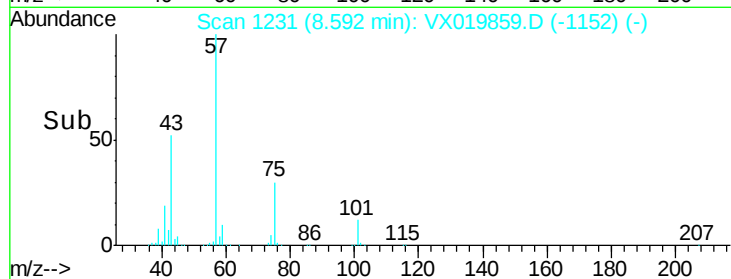
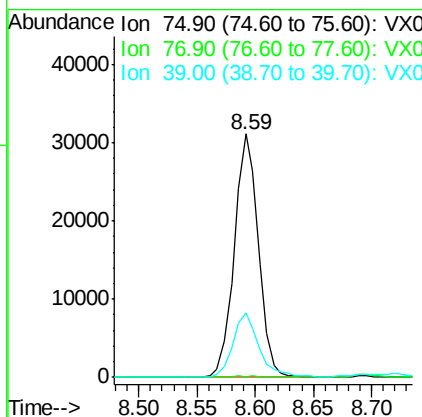
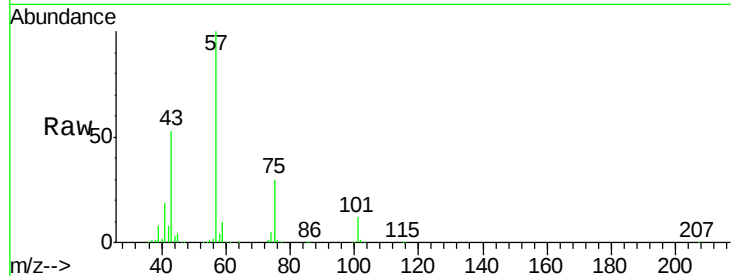




#54
 cis-1,3-Dichloropropene
 Concen: 7.434 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX019859.D
 Acq: 11 Dec 2020 05:26

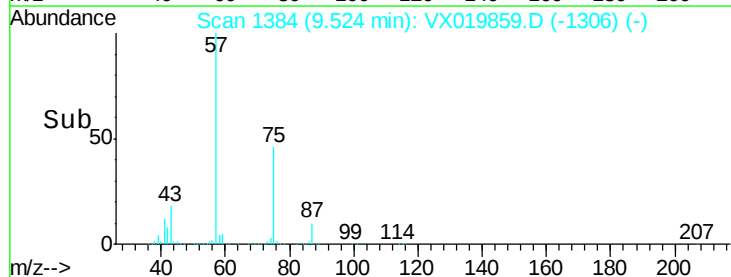
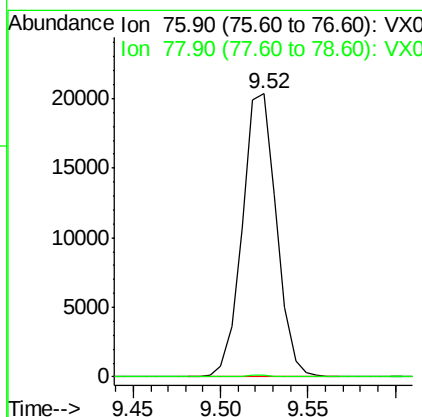
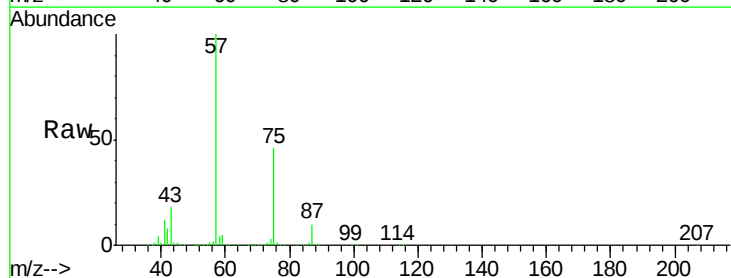
Instrument :
 MSVOA_X
 ClientSampleId :
 TR2-D-BOTTOM

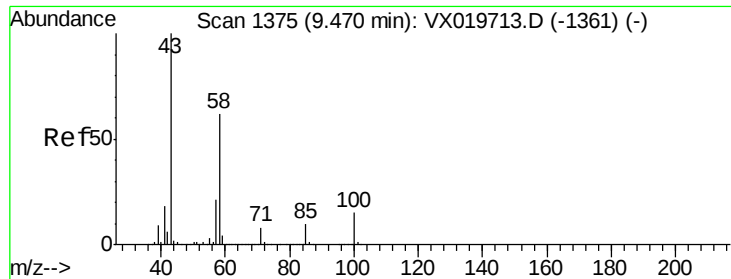
Tgt Ion: 75 Resp: 44808
 Ion Ratio Lower Upper
 75 100
 77 0.3 25.7 38.5#
 39 26.6 35.1 52.7#



#57
 1,3-Dichloropropane
 Concen: 4.278 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.18 min
 Lab File: VX019859.D
 Acq: 11 Dec 2020 05:26

Tgt Ion: 76 Resp: 27486
 Ion Ratio Lower Upper
 76 100
 78 0.5 26.2 39.2#

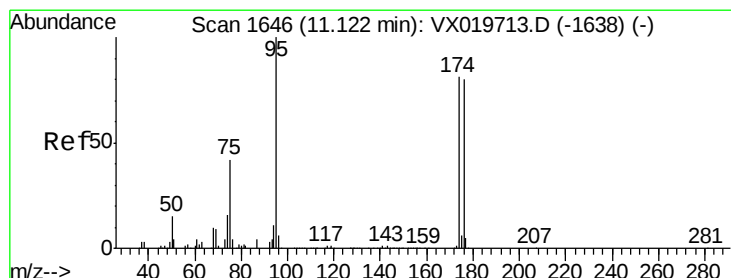
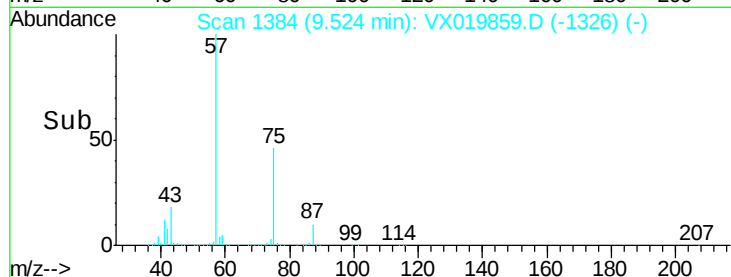
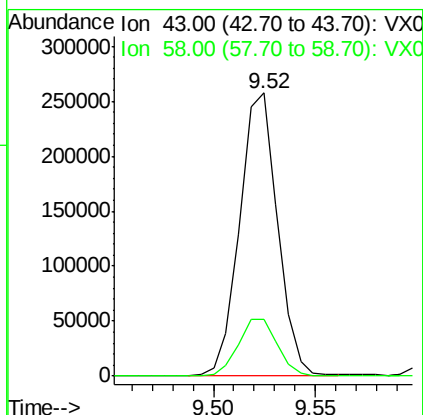
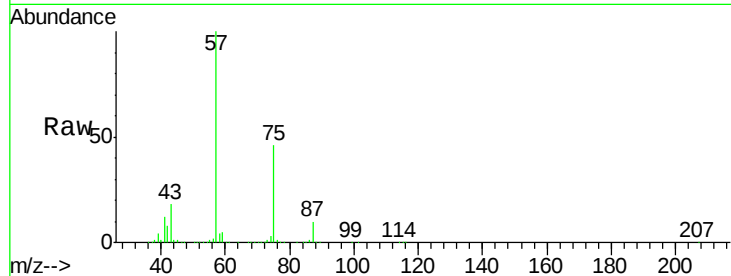




#59
2-Hexanone
Concen: 87.632 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX019859.D
Acq: 11 Dec 2020 05:26

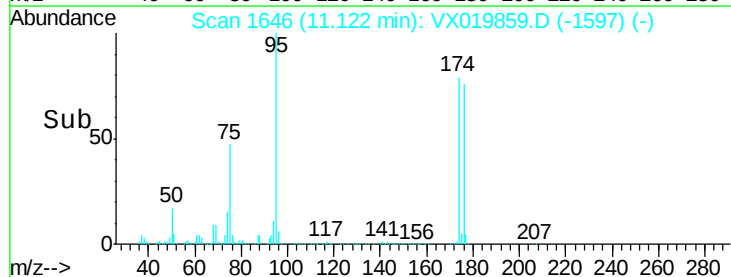
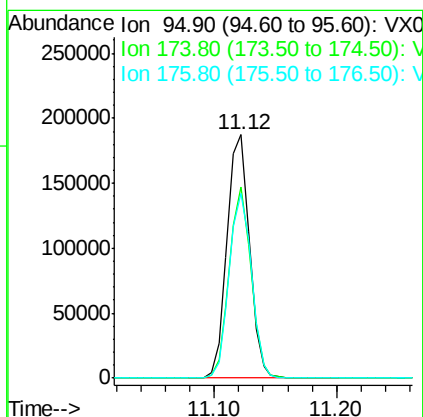
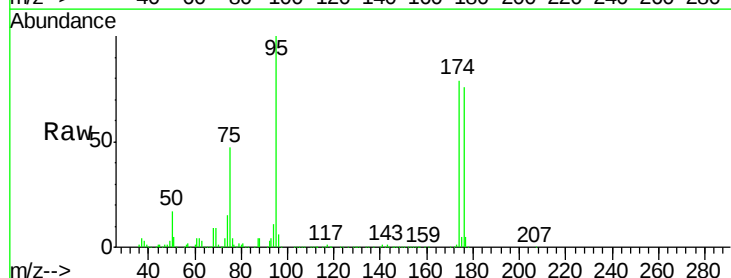
Instrument :
MSVOA_X
ClientSampleId :
TR2-D-BOTTOM

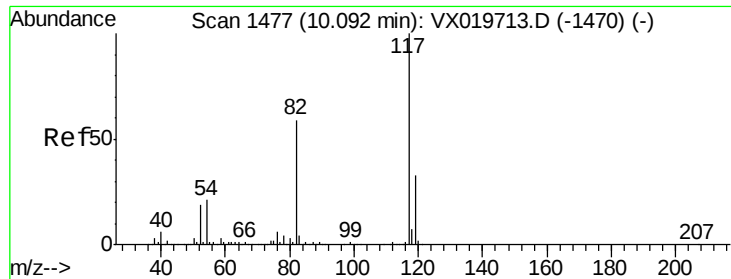
Tgt Ion: 43 Resp: 332698
Ion Ratio Lower Upper
43 100
58 20.7 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 46.723 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019859.D
Acq: 11 Dec 2020 05:26

Tgt Ion: 95 Resp: 237309
Ion Ratio Lower Upper
95 100
174 76.3 0.0 154.6
176 75.6 0.0 155.8

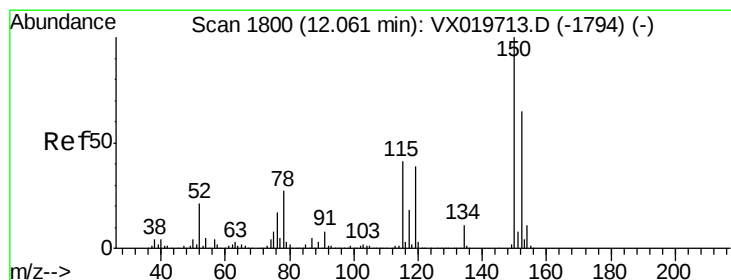
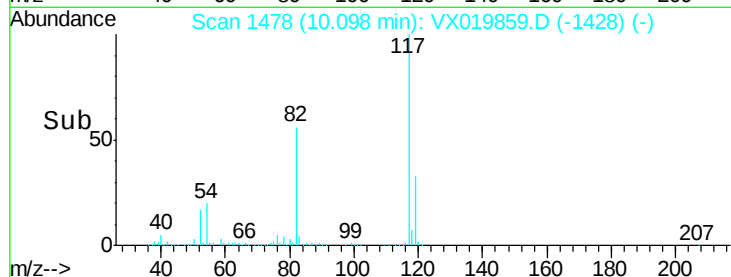
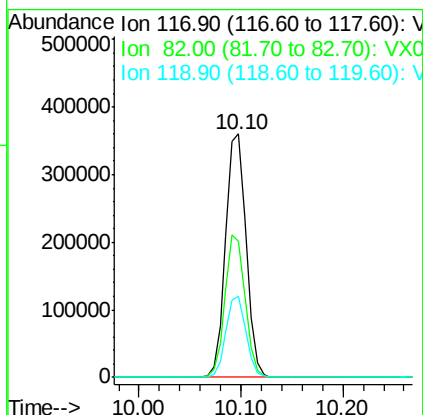
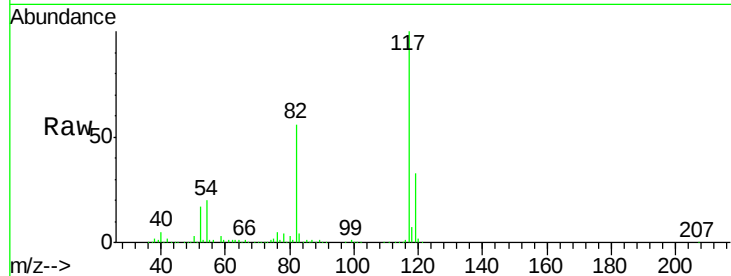




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.01 min
Lab File: VX019859.D
Acq: 11 Dec 2020 05:26

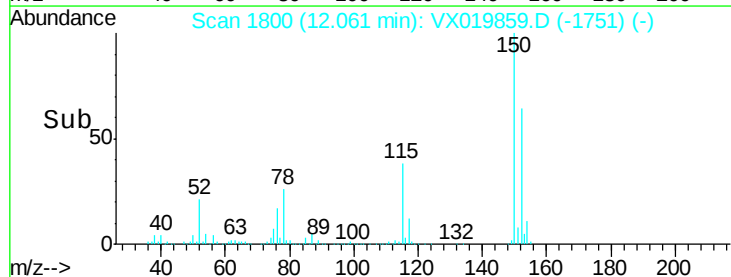
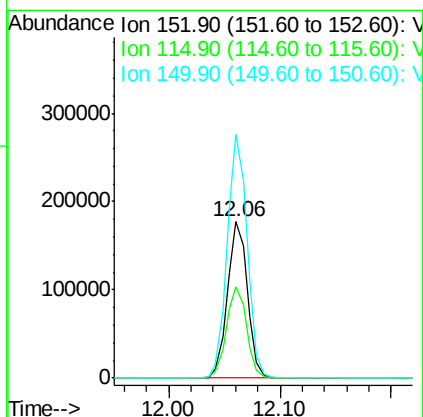
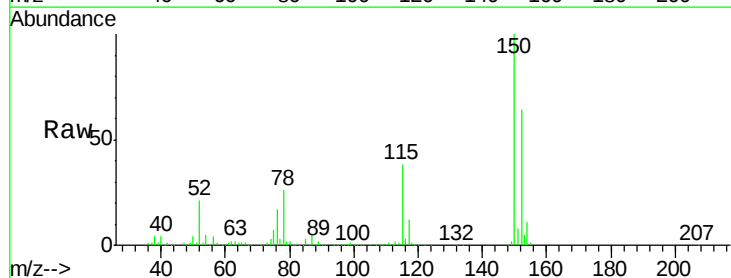
Instrument :
MSVOA_X
ClientSampleId :
TR2-D-BOTTOM

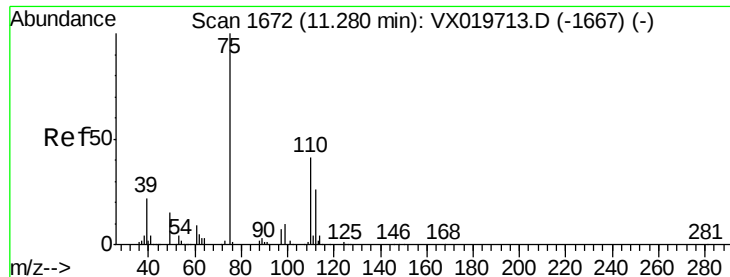
Tgt Ion:117 Resp: 500179
Ion Ratio Lower Upper
117 100
82 55.8 47.4 71.2
119 33.5 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019859.D
Acq: 11 Dec 2020 05:26

Tgt Ion:152 Resp: 218557
Ion Ratio Lower Upper
152 100
115 59.2 41.1 123.3
150 156.5 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 23.082 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019859.D

Acq: 11 Dec 2020 05:26

Instrument :

MSVOA_X

ClientSampleId :

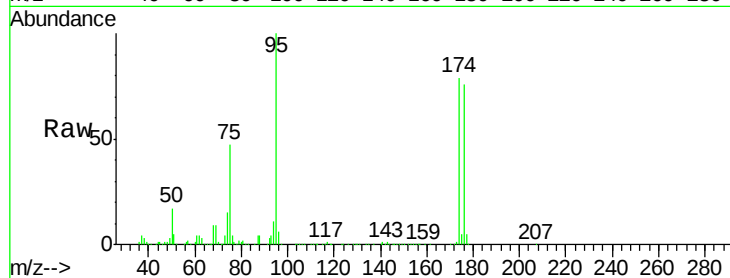
TR2-D-BOTTOM

Tgt Ion: 75 Resp: 113146

Ion Ratio Lower Upper

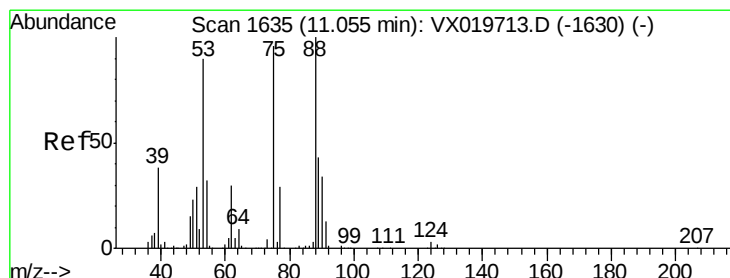
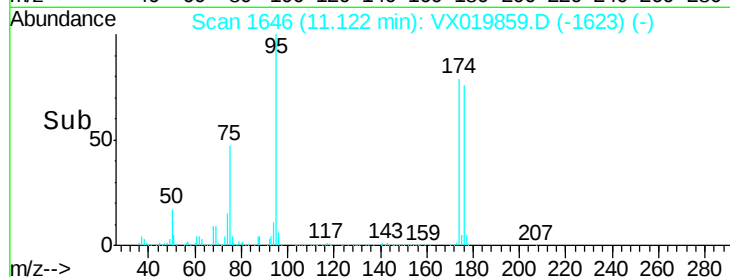
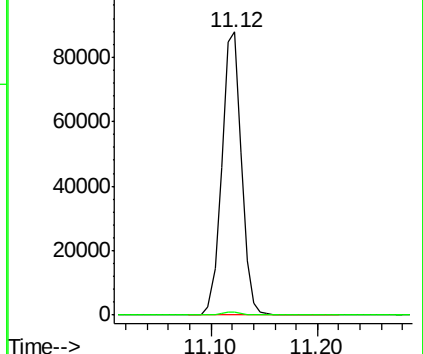
75 100

77 1.2 19.1 57.5#



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: 66.727 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019859.D

Acq: 11 Dec 2020 05:26

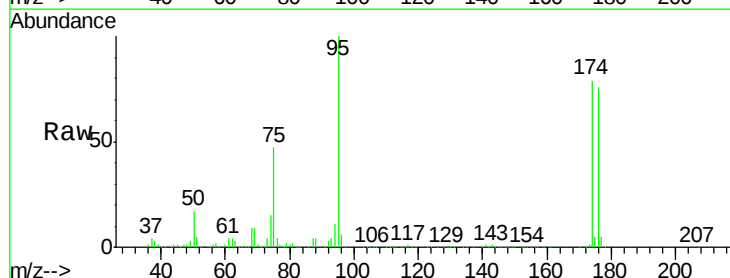
Tgt Ion: 75 Resp: 113146

Ion Ratio Lower Upper

75 100

53 0.0 74.5 111.7#

89 0.0 37.9 56.9#



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

