

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121020\
 Data File : VX019858.D
 Acq On : 11 Dec 2020 05:03
 Operator : JC/MD
 Sample : L4983-21
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TR2-D-TOP

Quant Time: Dec 11 05:39:31 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	323513	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	535198	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	494522	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	213510	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	206391	48.54	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.08%
35) Dibromofluoromethane	5.46	113	166349	48.09	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.18%
50) Toluene-d8	8.70	98	657919	49.82	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.64%
62) 4-Bromofluorobenzene	11.12	95	230305	45.82	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	91.64%

Target Compounds

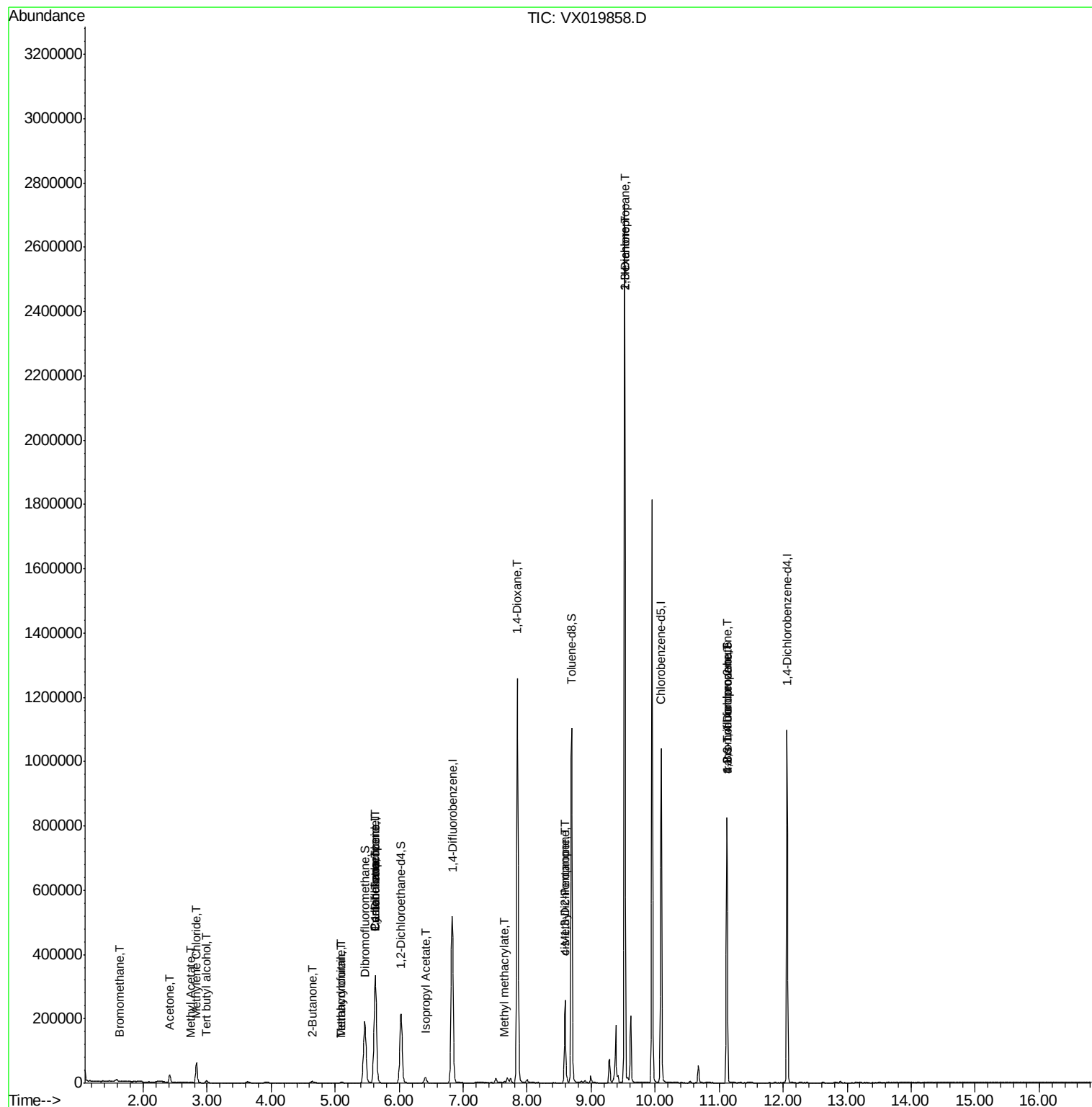
					Qvalue	
5) Bromomethane	1.64	94	581	0.476	ug/l	95
11) Tert butyl alcohol	3.00	59	4349	2.387	ug/l #	75
16) Acetone	2.42	43	25782	16.132	ug/l	99
18) Methyl Acetate	2.75	43	1852	0.474	ug/l #	86
20) Methylene Chloride	2.84	84	31453	7.409	ug/l	96
25) 2-Butanone	4.64	43	3900	1.588	ug/l #	85
29) Tetrahydrofuran	5.09	42	1139	0.720	ug/l #	80
31) Cyclohexane	5.63	56	6209	1.174	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	24912	5.151	ug/l #	48
38) Carbon Tetrachloride	5.63	117	31368	6.623	ug/l #	16
41) Methacrylonitrile	5.10	41	699	0.261	ug/l #	40
43) Isopropyl Acetate	6.41	43	22056	2.778	ug/l	98
48) Methyl methacrylate	7.65	41	5934	1.520	ug/l #	10
49) 1,4-Dioxane	7.84	88	218	2.305	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	81439	16.802	ug/l #	47
54) cis-1,3-Dichloropropene	8.59	75	42566	7.136	ug/l #	61
57) 1,3-Dichloropropane	9.52	76	24080	3.787	ug/l #	43
59) 2-Hexanone	9.52	43	288220	76.716	ug/l #	47
76) 1,2,3-Trichloropropane	11.12	75	109975	22.966	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	109975	66.390	ug/l #	12

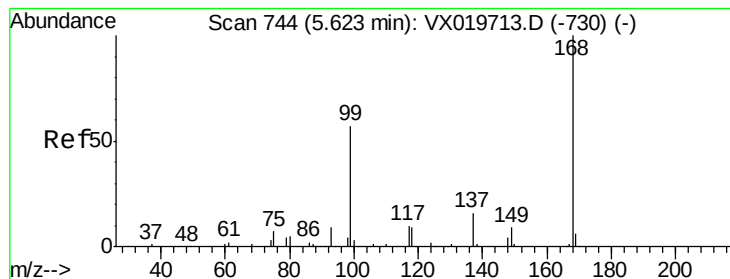
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX121020\
Data File : VX019858.D
Acq On : 11 Dec 2020 05:03
Operator : JC/MD
Sample : L4983-21
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 52 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TR2-D-TOP

Quant Time: Dec 11 05:39:31 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: 5.63 min Scan# 745

Delta R.T. 0.01 min

Lab File: VX019858.D

Acq: 11 Dec 2020 05:03

Instrument :

MSVOA_X

ClientSampleId :

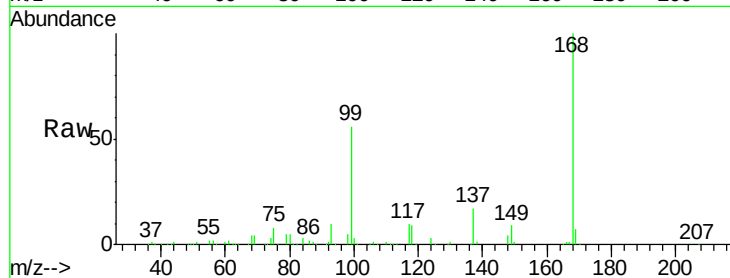
TR2-D-TOP

Tgt Ion: 168 Resp: 323513

Ion Ratio Lower Upper

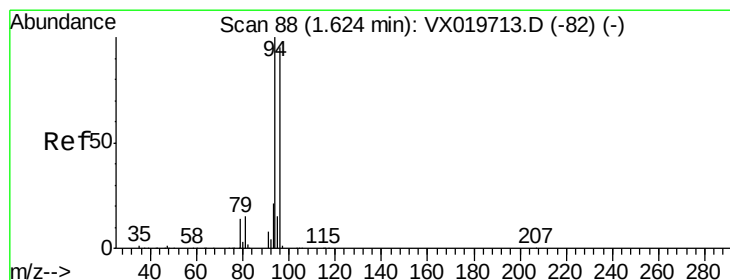
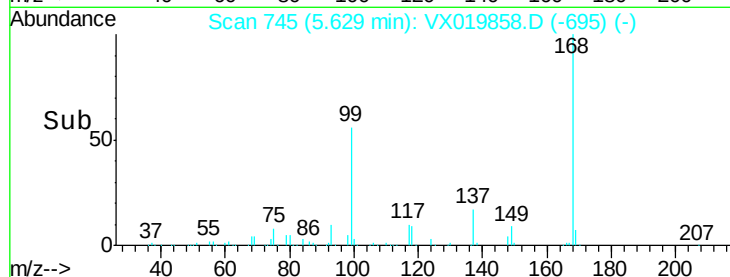
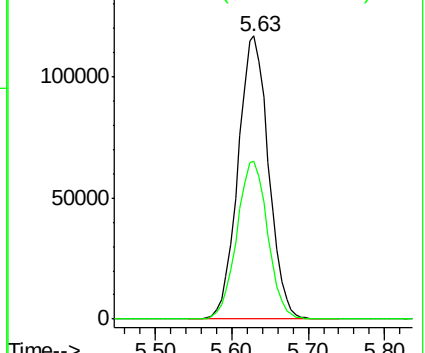
168 100

99 55.6 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.476 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX019858.D

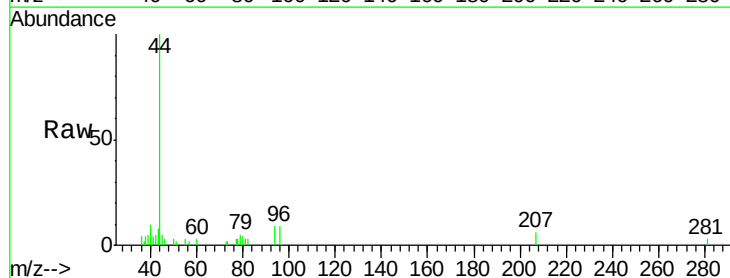
Acq: 11 Dec 2020 05:03

Tgt Ion: 94 Resp: 581

Ion Ratio Lower Upper

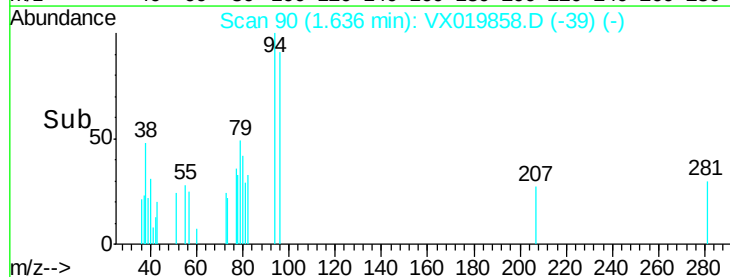
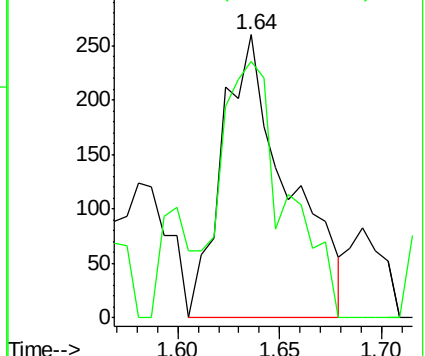
94 100

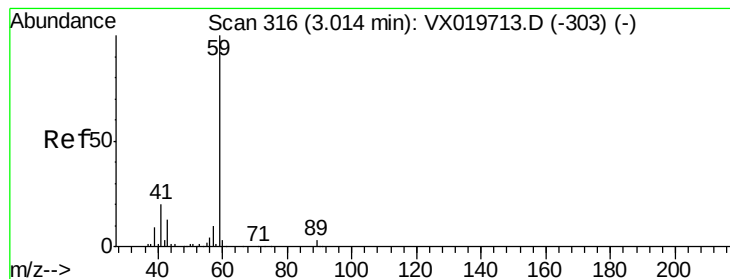
96 90.8 76.4 114.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



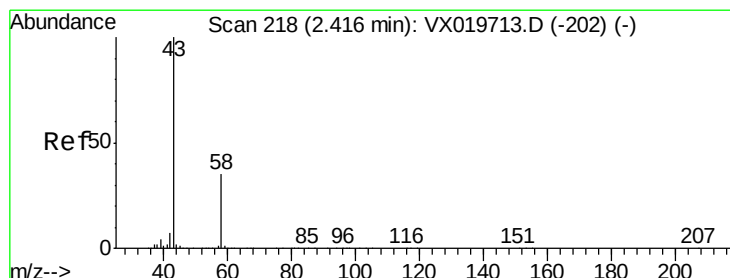
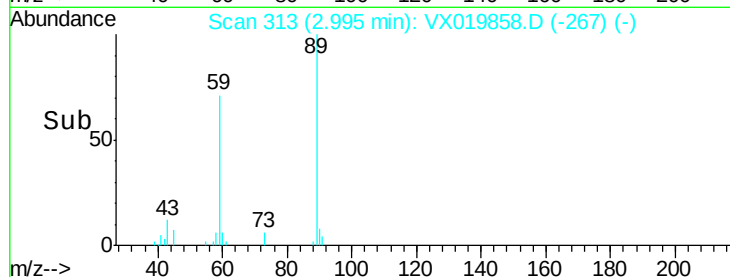
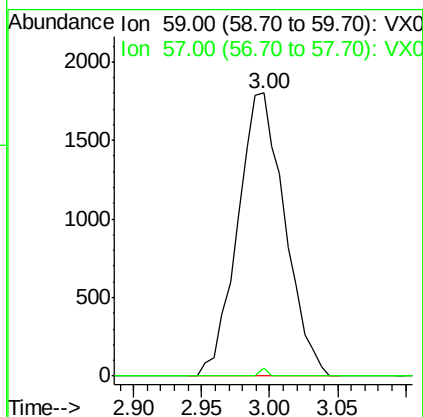
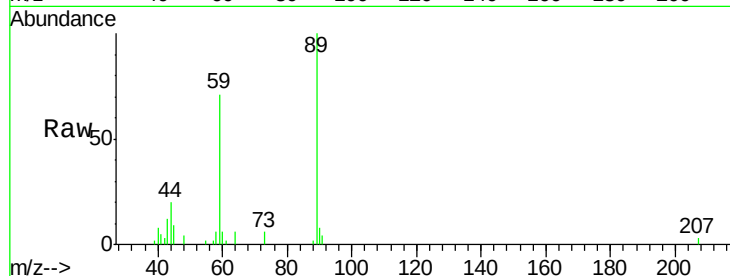


#11

Tert butyl alcohol
 Concen: 2.387 ug/l
 RT: 3.00 min Scan# 313
 Delta R.T. -0.02 min
 Lab File: VX019858.D
 Acq: 11 Dec 2020 05:03

Instrument :
 MSVOA_X
 ClientSampleId :
 TR2-D-TOP

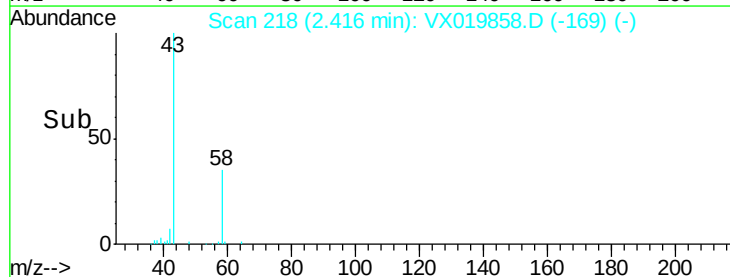
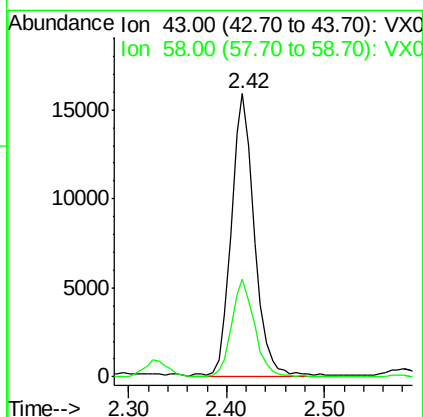
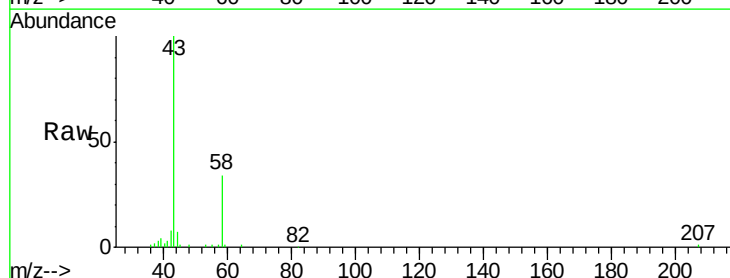
Tgt Ion: 59 Resp: 4349
 Ion Ratio Lower Upper
 59 100
 57 0.4 7.8 11.8#

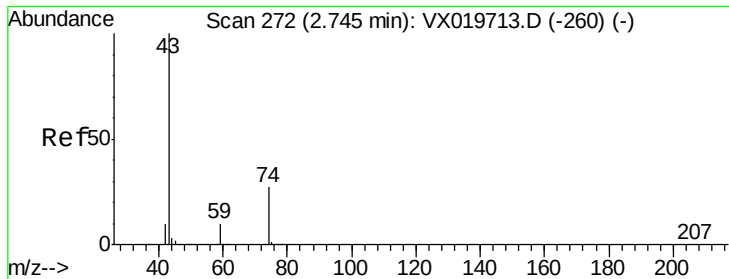


#16

Acetone
 Concen: 16.132 ug/l
 RT: 2.42 min Scan# 218
 Delta R.T. 0.00 min
 Lab File: VX019858.D
 Acq: 11 Dec 2020 05:03

Tgt Ion: 43 Resp: 25782
 Ion Ratio Lower Upper
 43 100
 58 34.5 27.8 41.8

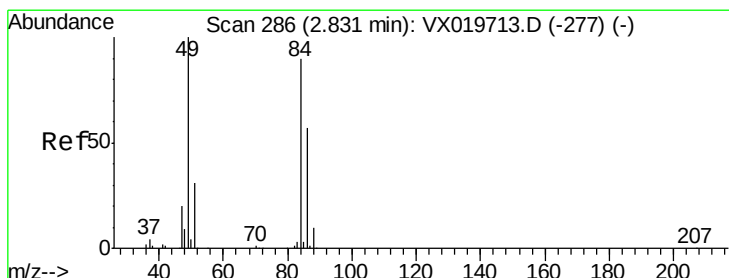
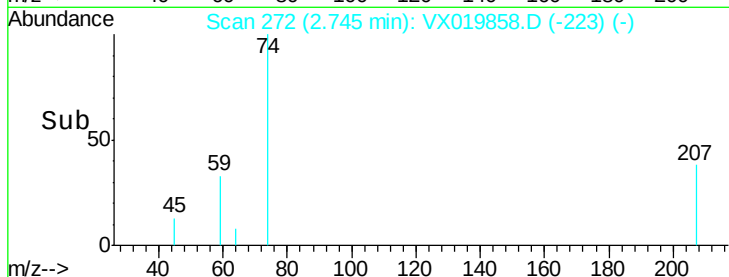
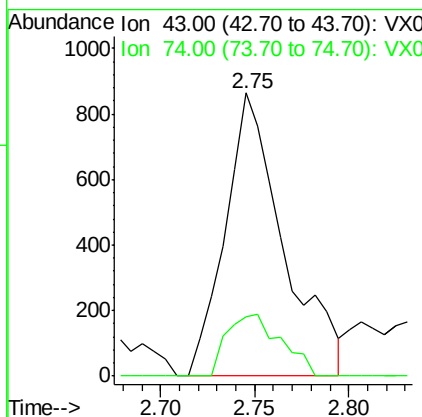
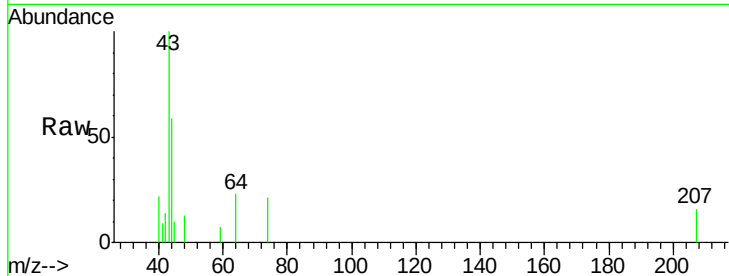




#18
Methyl Acetate
Concen: 0.474 ug/l
RT: 2.75 min Scan# 272
Delta R.T. 0.00 min
Lab File: VX019858.D
Acq: 11 Dec 2020 05:03

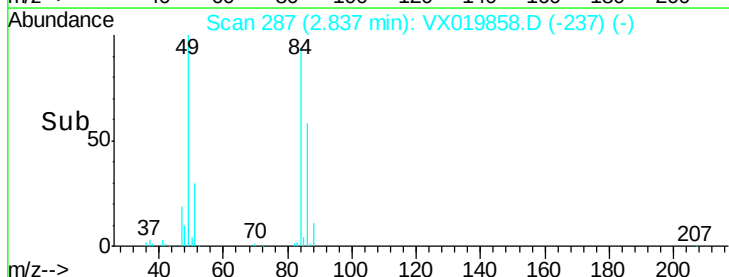
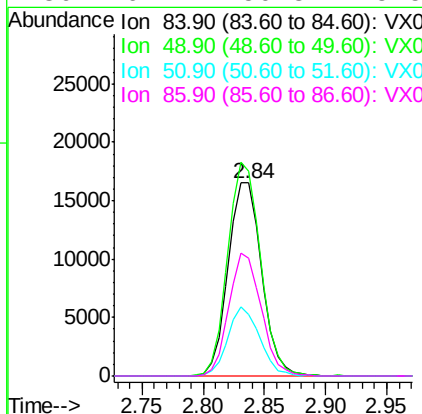
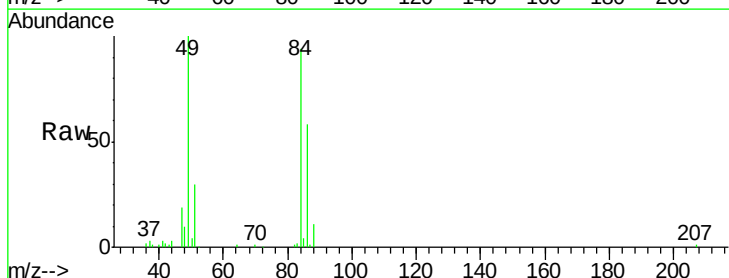
Instrument :
MSVOA_X
ClientSampleId :
TR2-D-TOP

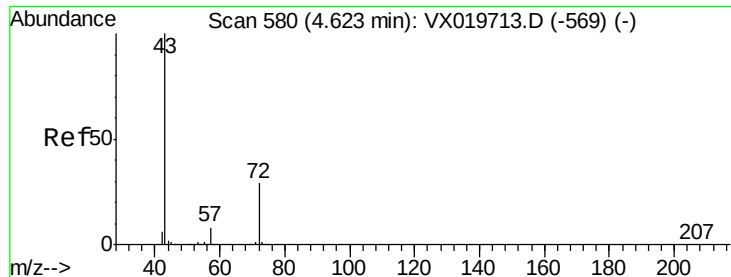
Tgt Ion: 43 Resp: 1852
Ion Ratio Lower Upper
43 100
74 20.2 21.9 32.9#



#20
Methylene Chloride
Concen: 7.409 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX019858.D
Acq: 11 Dec 2020 05:03

Tgt Ion: 84 Resp: 31453
Ion Ratio Lower Upper
84 100
49 105.9 88.6 132.8
51 32.0 27.0 40.6
86 61.1 50.3 75.5





#25

2-Butanone

Concen: 1.588 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX019858.D

Acq: 11 Dec 2020 05:03

Instrument :

MSVOA_X

ClientSampled :

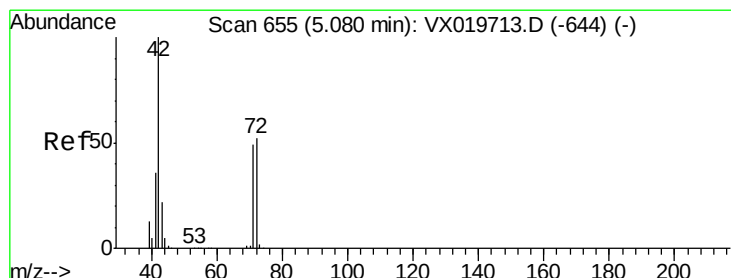
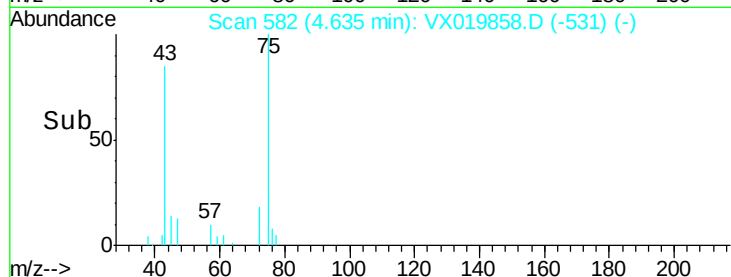
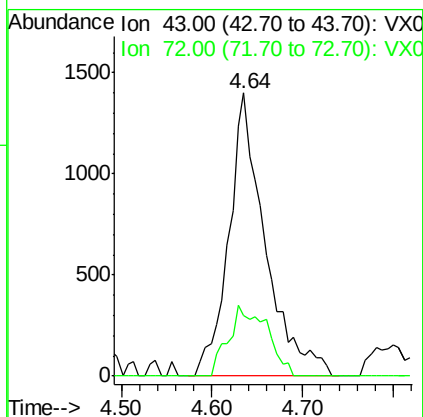
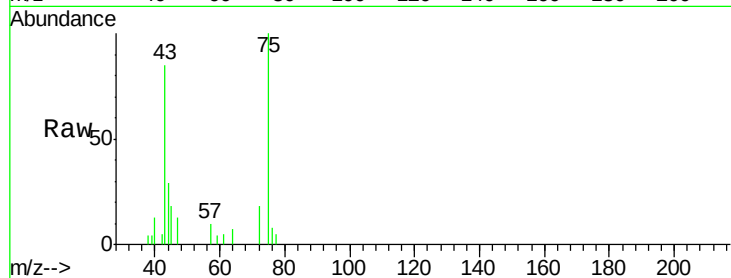
TR2-D-TOP

Tgt Ion: 43 Resp: 3900

Ion Ratio Lower Upper

43 100

72 21.4 23.7 35.5#



#29

Tetrahydrofuran

Concen: 0.720 ug/l

RT: 5.09 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX019858.D

Acq: 11 Dec 2020 05:03

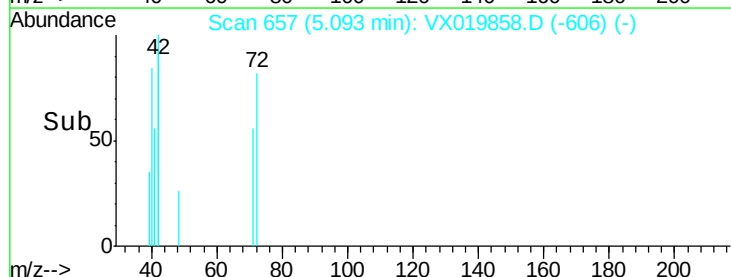
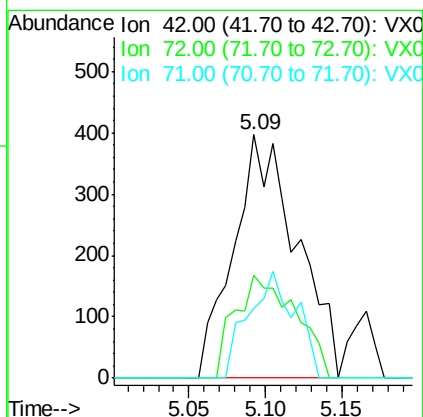
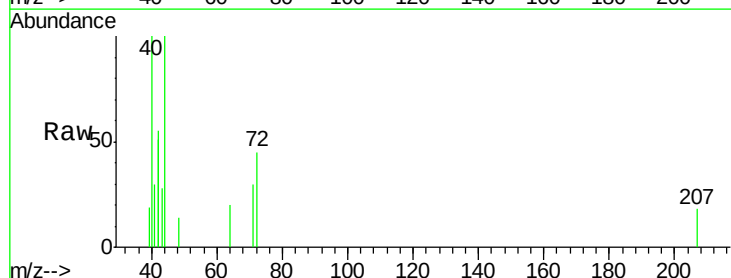
Tgt Ion: 42 Resp: 1139

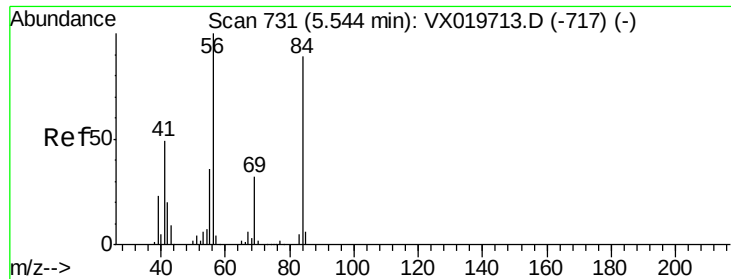
Ion Ratio Lower Upper

42 100

72 40.3 41.7 62.5#

71 32.6 38.4 57.6#

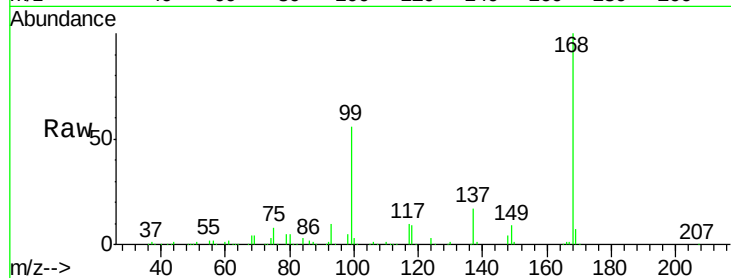




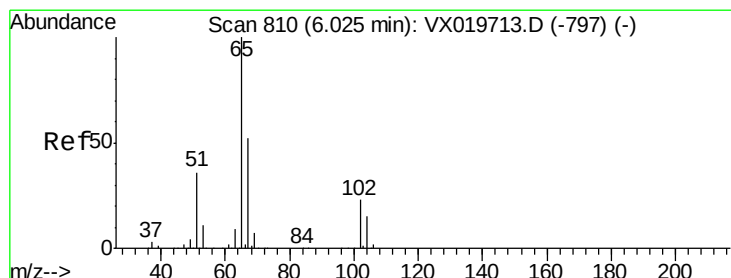
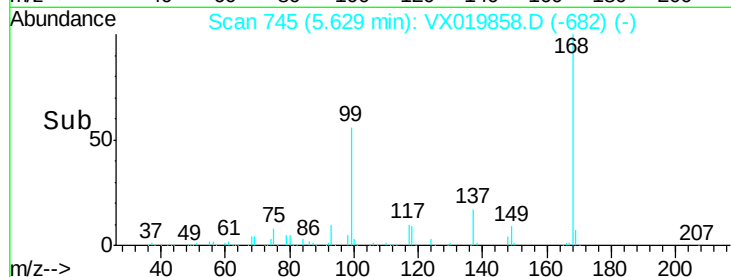
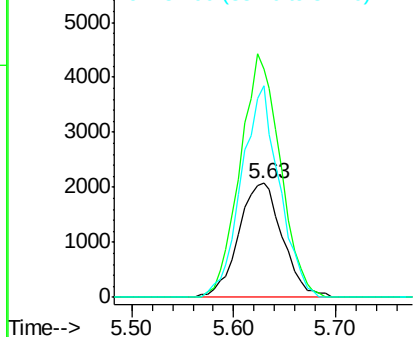
#31
Cyclohexane
Concen: 1.174 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.09 min
Lab File: VX019858.D
Acq: 11 Dec 2020 05:03

Instrument :
MSVOA_X
ClientSampled :
TR2-D-TOP

Tgt Ion: 56 Resp: 6209
Ion Ratio Lower Upper
56 100
69 200.9 25.3 37.9#
84 186.2 71.4 107.0#

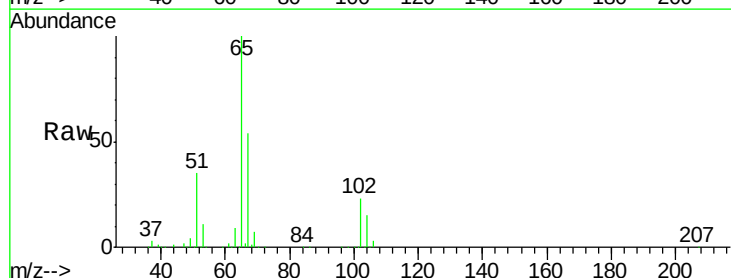


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

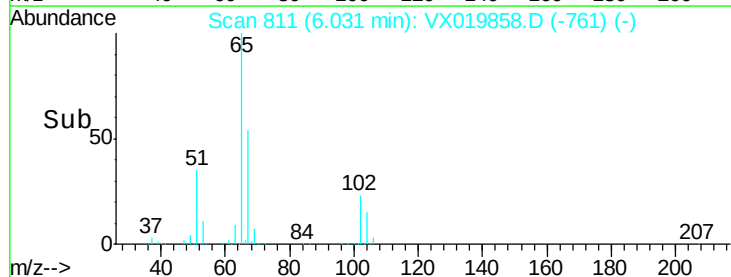
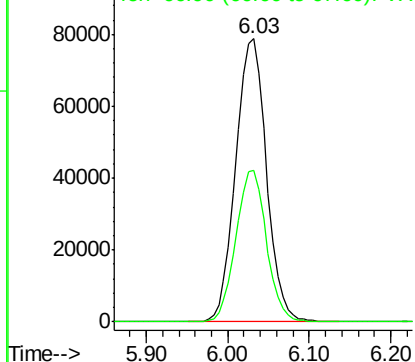


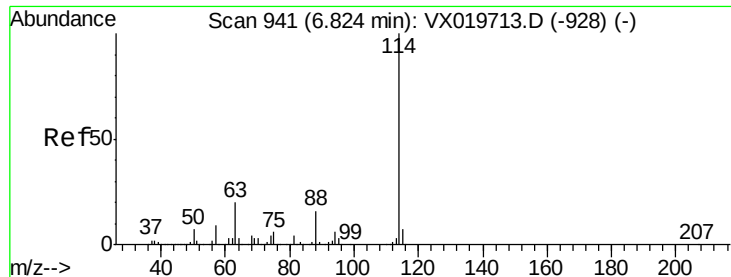
#33
1,2-Dichloroethane-d4
Concen: 48.541 ug/l
RT: 6.03 min Scan# 811
Delta R.T. 0.01 min
Lab File: VX019858.D
Acq: 11 Dec 2020 05:03

Tgt Ion: 65 Resp: 206391
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

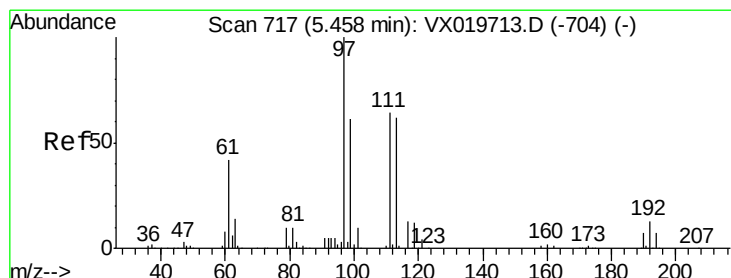
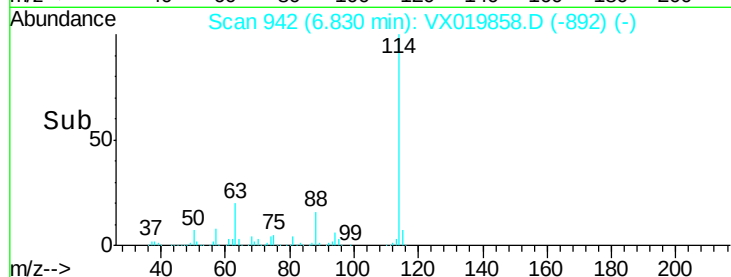
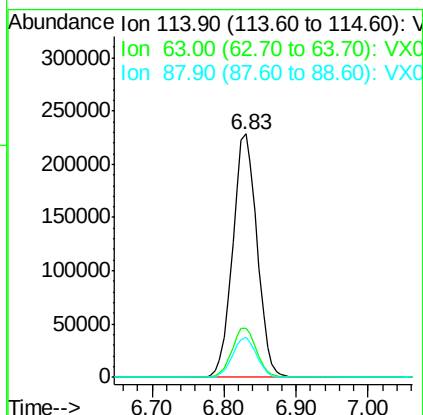
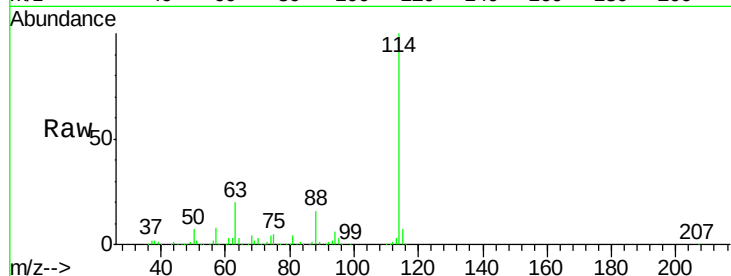




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.01 min
 Lab File: VX019858.D
 Acq: 11 Dec 2020 05:03

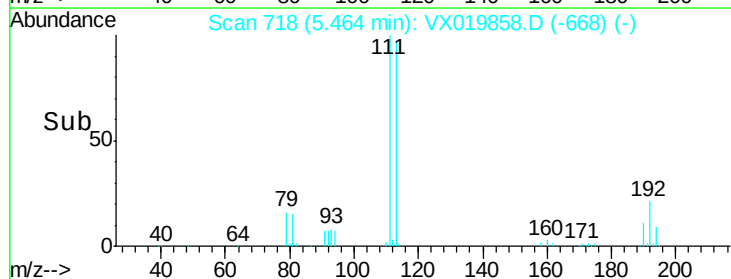
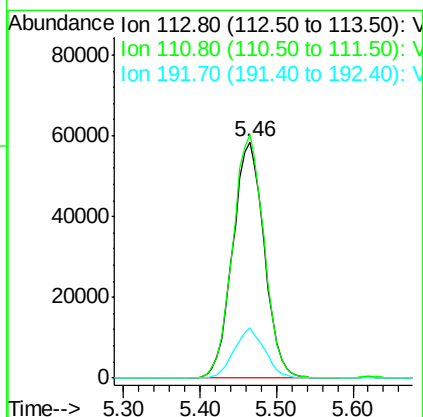
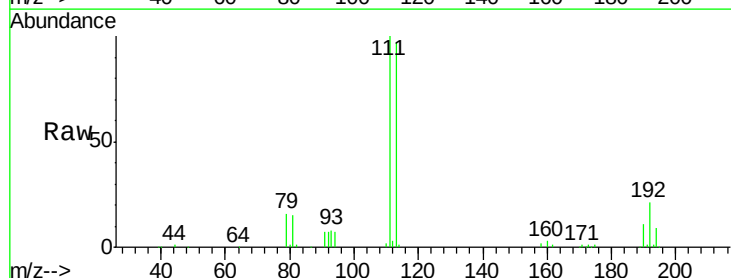
Instrument :
 MSVOA_X
 ClientSampleId :
 TR2-D-TOP

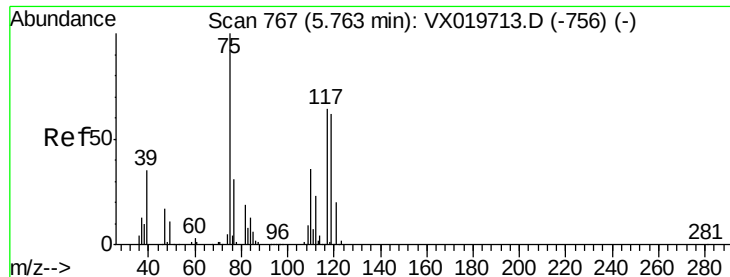
Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	40.8
88	16.4	0.0	32.8



#35
 Dibromofluoromethane
 Concen: 48.093 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. 0.01 min
 Lab File: VX019858.D
 Acq: 11 Dec 2020 05:03

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.9	122.9
192	20.5	16.7	25.1

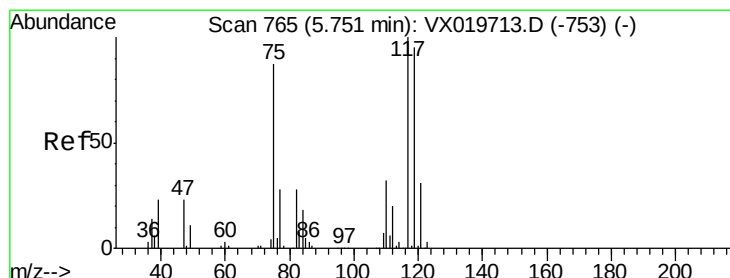
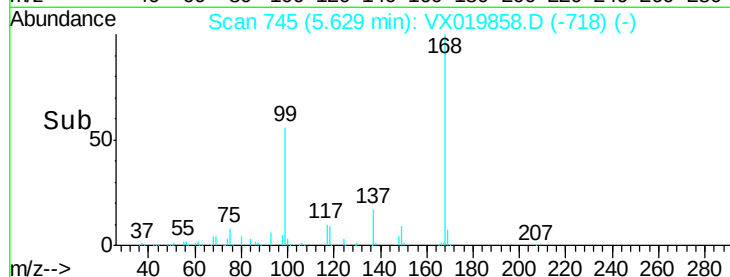
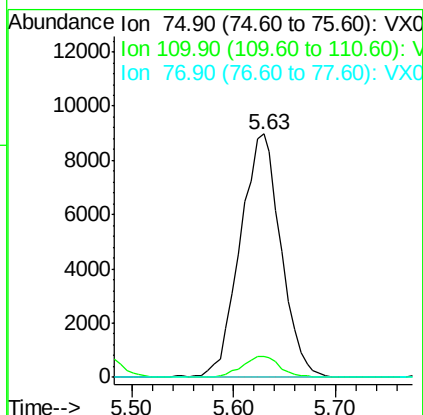
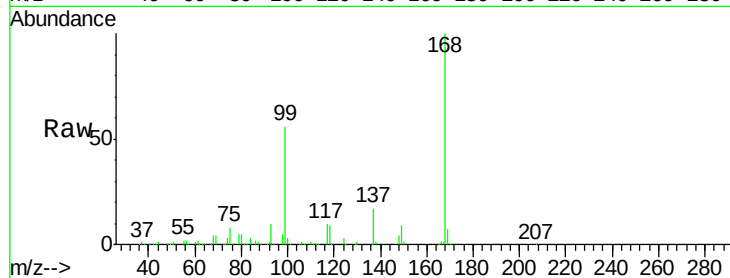




#36
 1,1-Dichloropropene
 Concen: 5.151 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX019858.D
 Acq: 11 Dec 2020 05:03

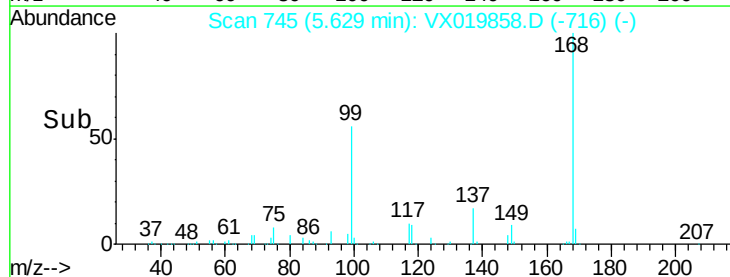
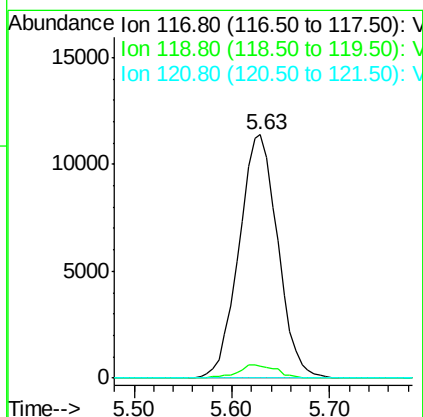
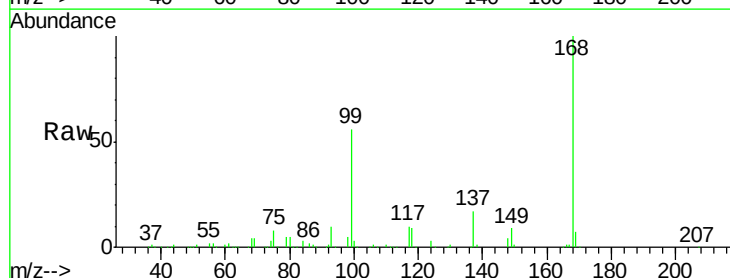
Instrument :
 MSVOA_X
 ClientSampleId :
 TR2-D-TOP

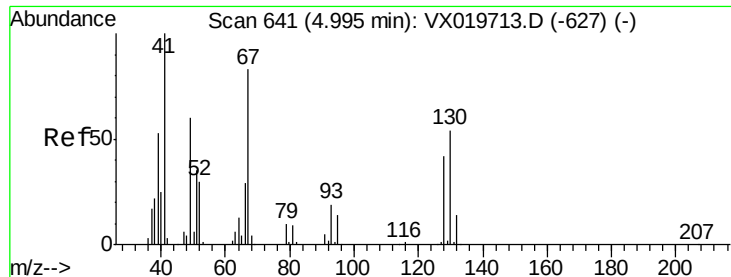
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.0	18.1	54.4#
77	0.0	25.3	37.9#



#38
 Carbon Tetrachloride
 Concen: 6.623 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX019858.D
 Acq: 11 Dec 2020 05:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	76.2	114.2#
121	0.0	24.8	37.2#

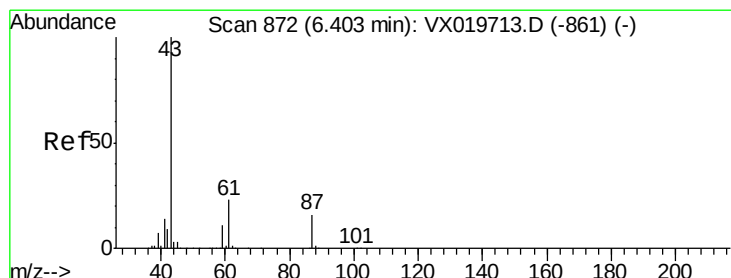
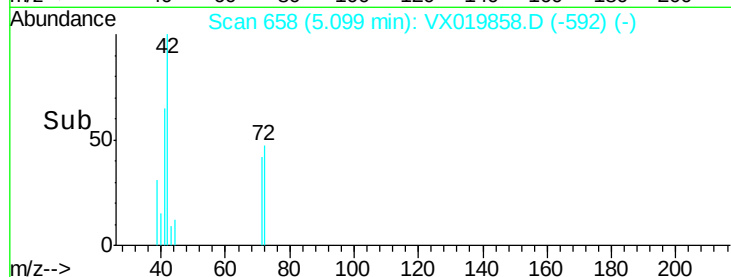
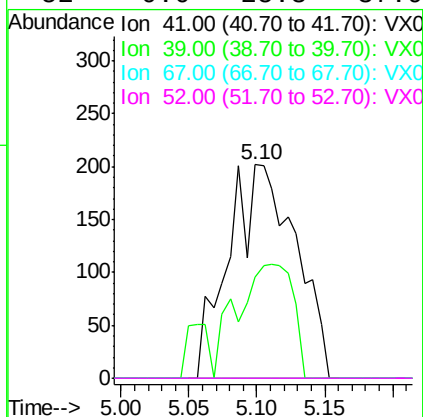
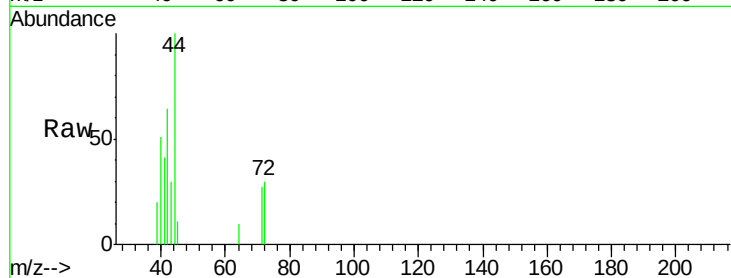




#41
Methacrylonitrile
Concen: 0.261 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.10 min
Lab File: VX019858.D
Acq: 11 Dec 2020 05:03

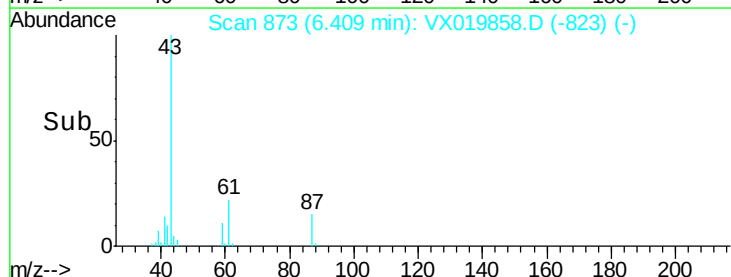
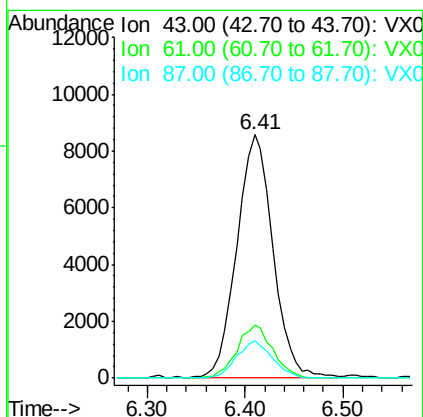
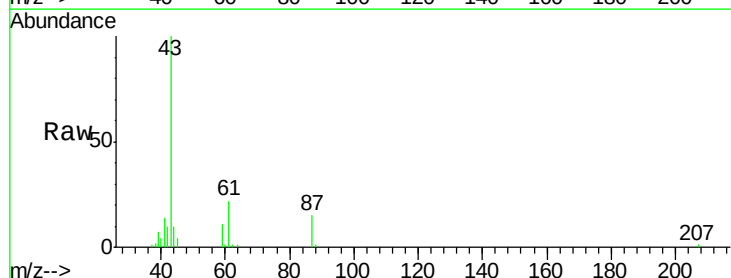
Instrument :
MSVOA_X
ClientSampled :
TR2-D-TOP

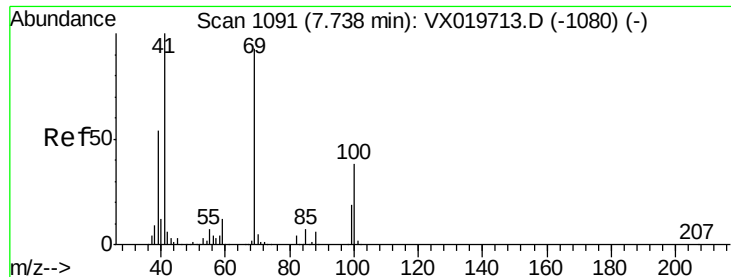
Tgt Ion:	41	Resp:	699
Ion	Ratio	Lower	Upper
41	100		
39	44.2	42.5	63.7
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#



#43
Isopropyl Acetate
Concen: 2.778 ug/l
RT: 6.41 min Scan# 873
Delta R.T. 0.01 min
Lab File: VX019858.D
Acq: 11 Dec 2020 05:03

Tgt Ion:	43	Resp:	22056
Ion	Ratio	Lower	Upper
43	100		
61	21.5	18.2	27.4
87	15.0	12.5	18.7

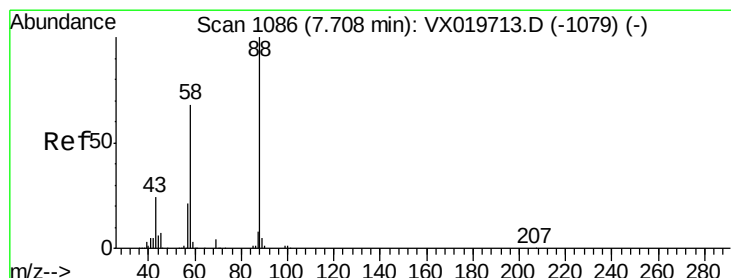
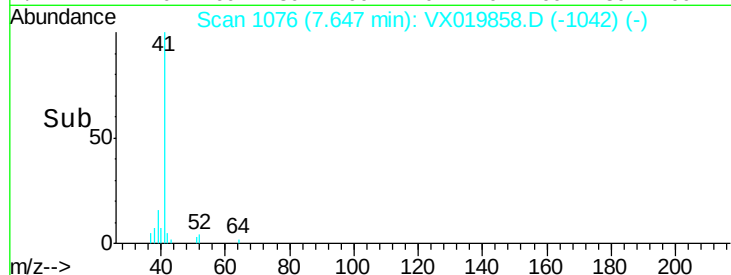
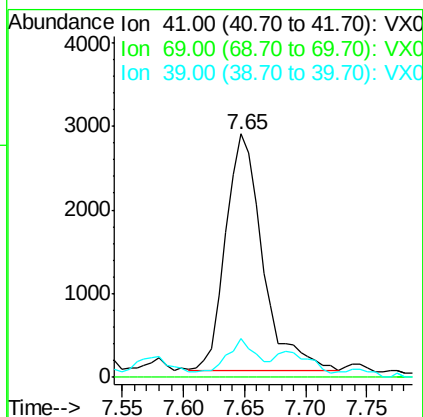
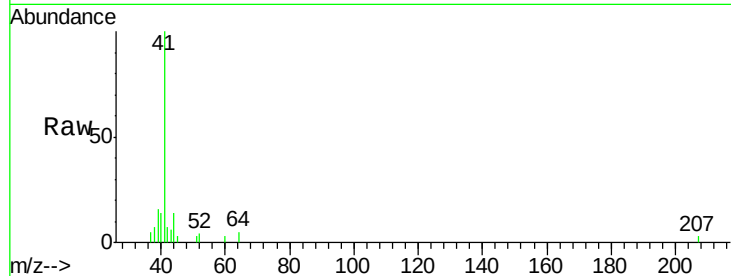




#48
Methyl methacrylate
Concen: 1.520 ug/l
RT: 7.65 min Scan# 1076
Delta R.T. -0.09 min
Lab File: VX019858.D
Acq: 11 Dec 2020 05:03

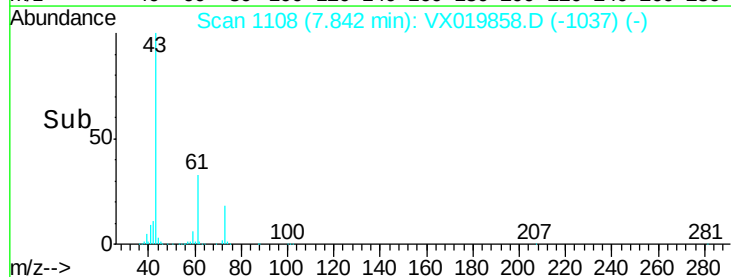
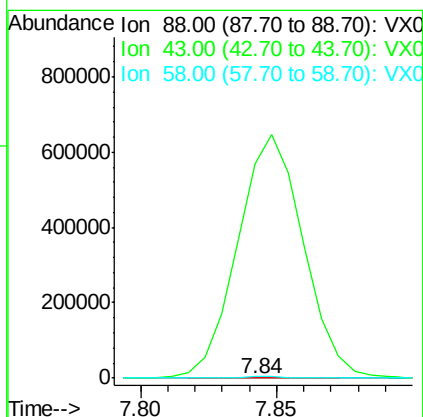
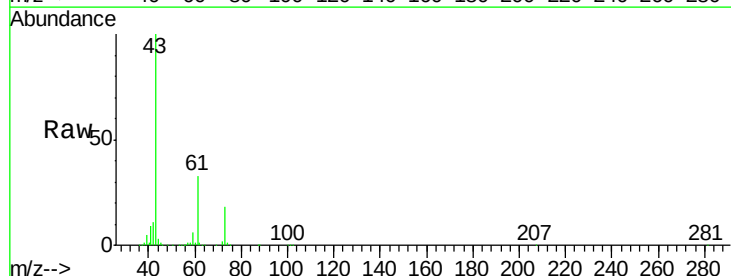
Instrument :
MSVOA_X
ClientSampleId :
TR2-D-TOP

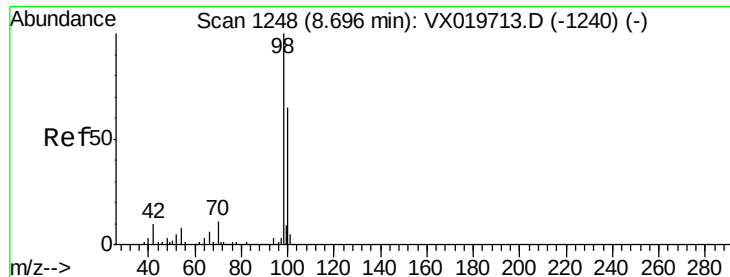
Tgt Ion: 41 Resp: 5934
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 2.305 ug/l
RT: 7.84 min Scan# 1108
Delta R.T. 0.13 min
Lab File: VX019858.D
Acq: 11 Dec 2020 05:03

Tgt Ion: 88 Resp: 218
Ion Ratio Lower Upper
88 100
43 498900.9 23.2 34.8#
58 2710.6 55.0 82.4#

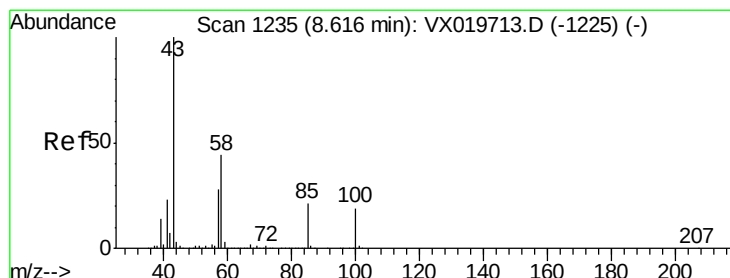
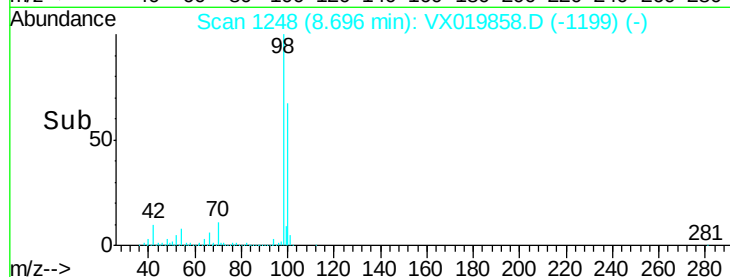
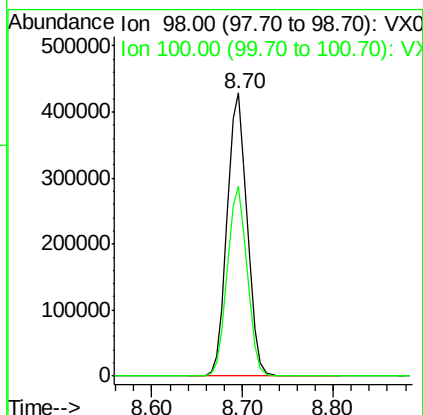
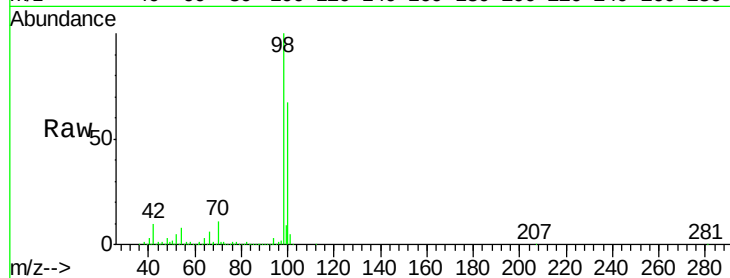




#50
Toluene-d8
Concen: 49.823 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019858.D
Acq: 11 Dec 2020 05:03

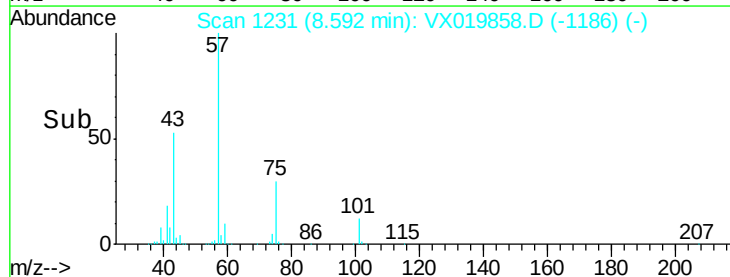
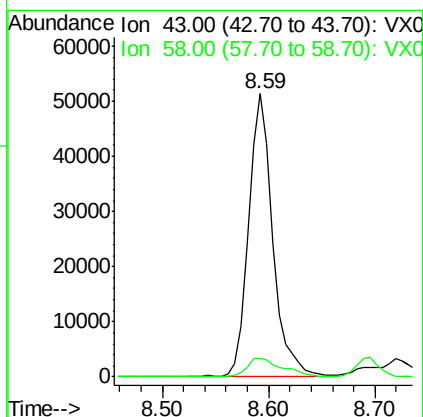
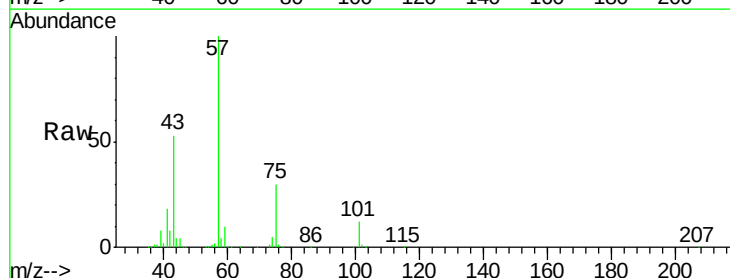
Instrument :
MSVOA_X
ClientSampleId :
TR2-D-TOP

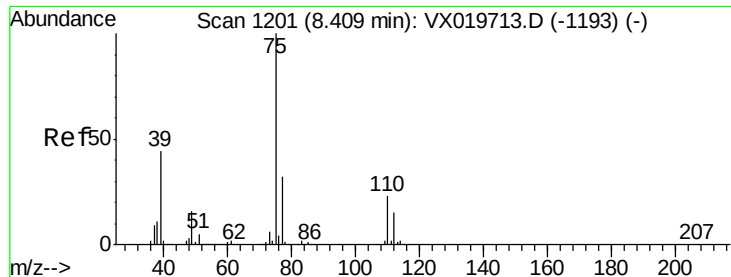
Tgt Ion: 98 Resp: 657919
Ion Ratio Lower Upper
98 100
100 66.6 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 16.802 ug/l
RT: 8.59 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VX019858.D
Acq: 11 Dec 2020 05:03

Tgt Ion: 43 Resp: 81439
Ion Ratio Lower Upper
43 100
58 9.6 35.4 53.0#



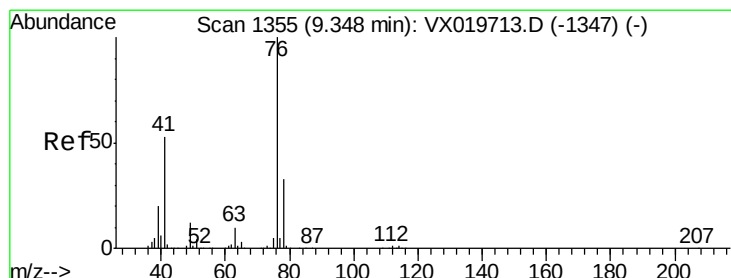
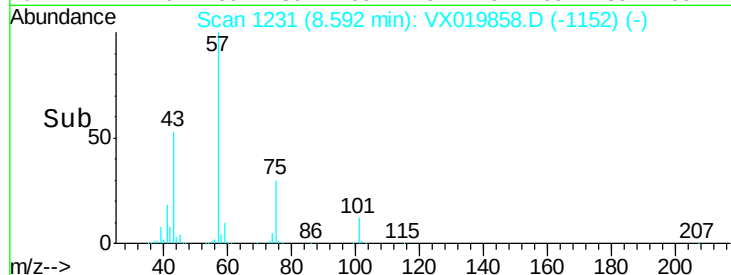
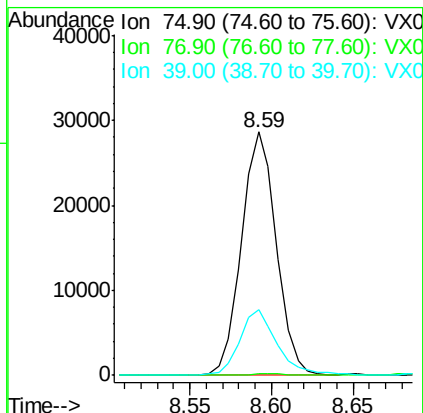
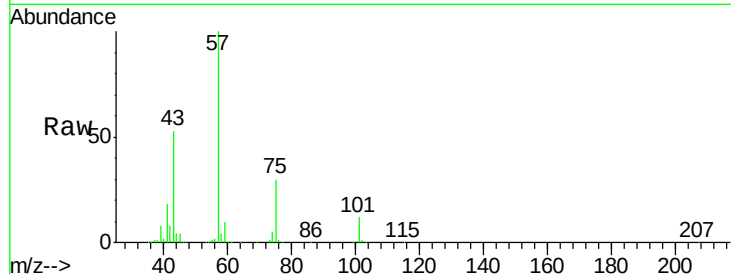


#54

cis-1,3-Dichloropropene
 Concen: 7.136 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX019858.D
 Acq: 11 Dec 2020 05:03

Instrument :
 MSVOA_X
 ClientSampleId :
 TR2-D-TOP

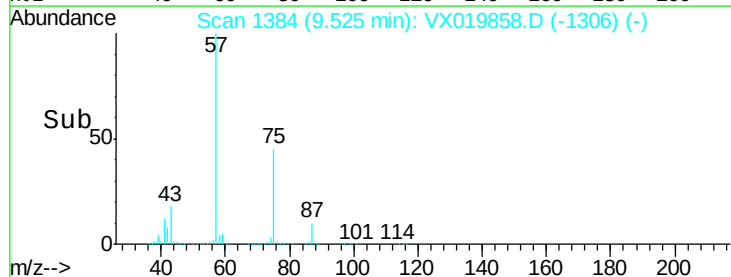
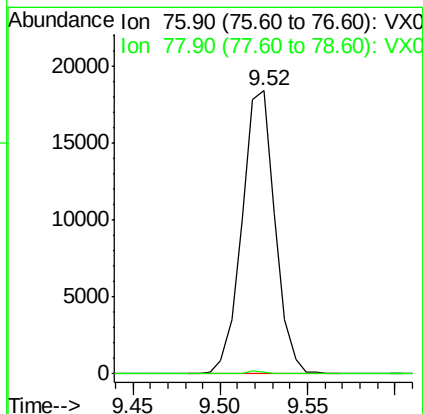
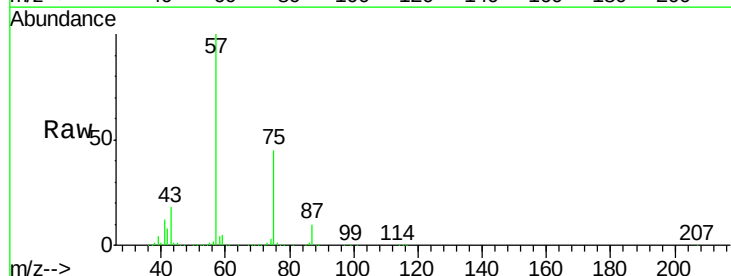
Tgt Ion: 75 Resp: 42566
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.7 38.5#
 39 27.1 35.1 52.7#

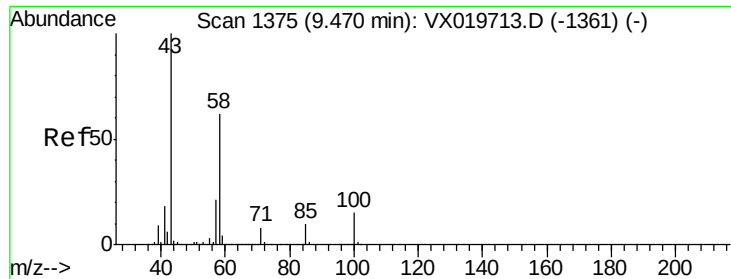


#57

1,3-Dichloropropane
 Concen: 3.787 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.18 min
 Lab File: VX019858.D
 Acq: 11 Dec 2020 05:03

Tgt Ion: 76 Resp: 24080
 Ion Ratio Lower Upper
 76 100
 78 0.5 26.2 39.2#

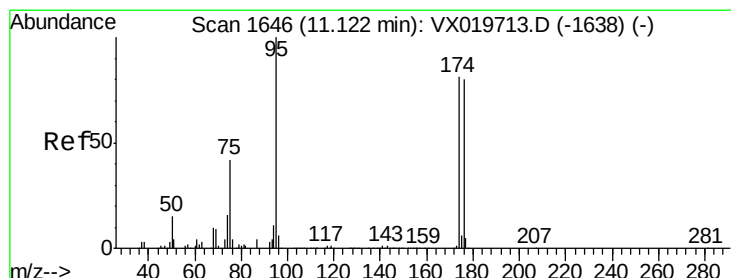
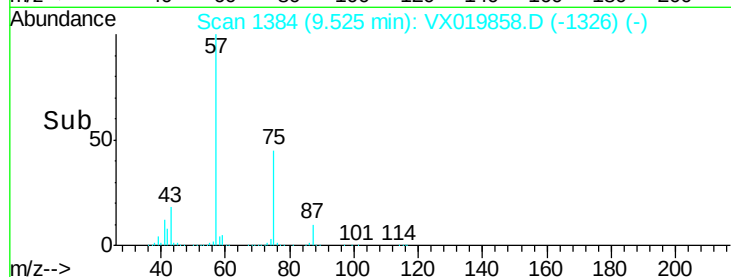
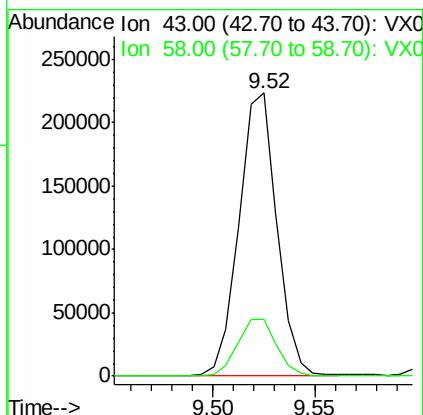
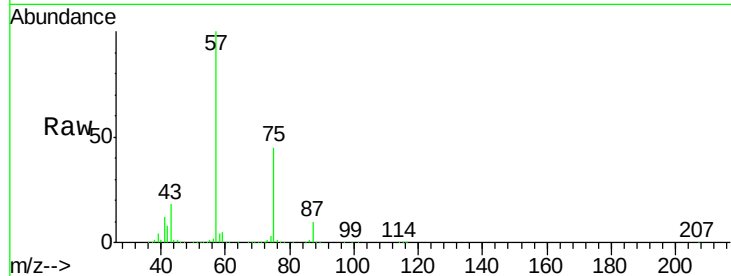




#59
2-Hexanone
Concen: 76.716 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX019858.D
Acq: 11 Dec 2020 05:03

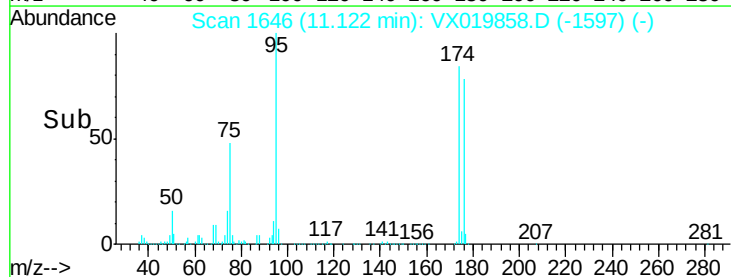
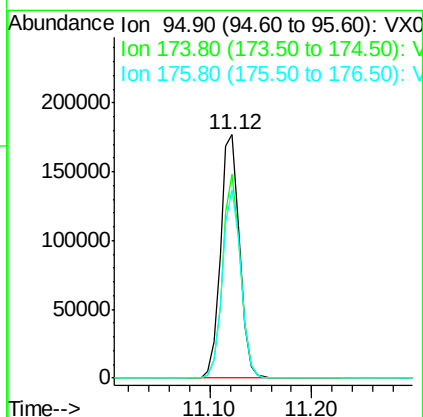
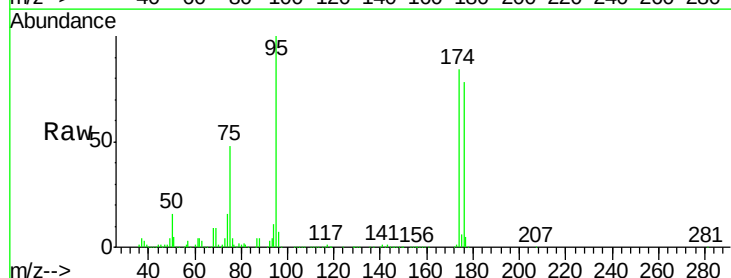
Instrument :
MSVOA_X
ClientSampleId :
TR2-D-TOP

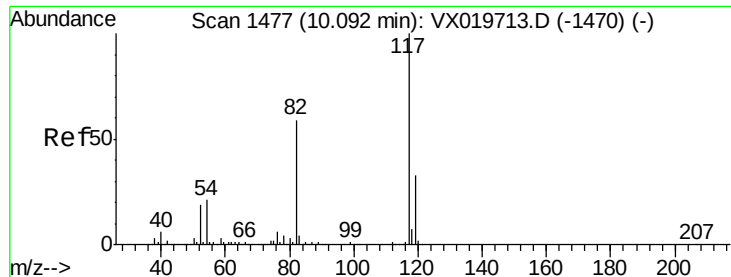
Tgt Ion: 43 Resp: 288220
Ion Ratio Lower Upper
43 100
58 20.8 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 45.822 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX019858.D
Acq: 11 Dec 2020 05:03

Tgt Ion: 95 Resp: 230305
Ion Ratio Lower Upper
95 100
174 78.5 0.0 154.6
176 75.3 0.0 155.8

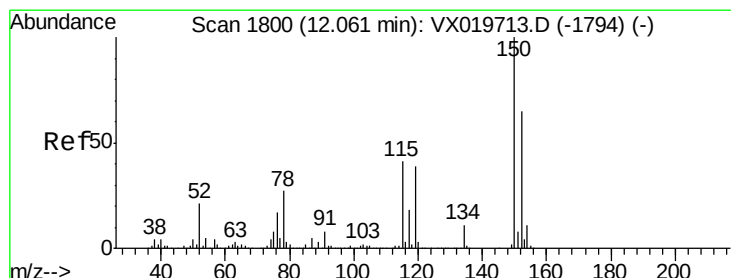
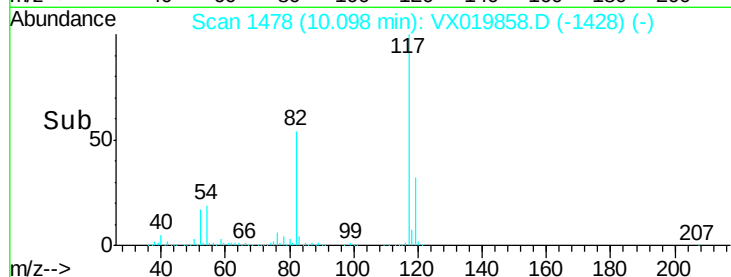
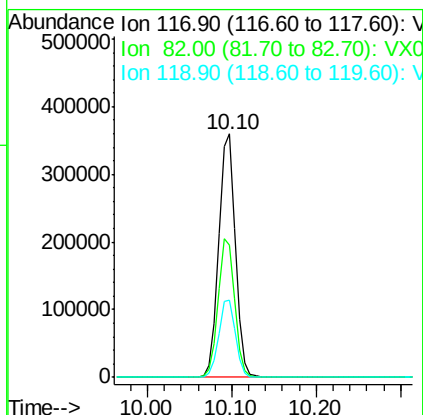
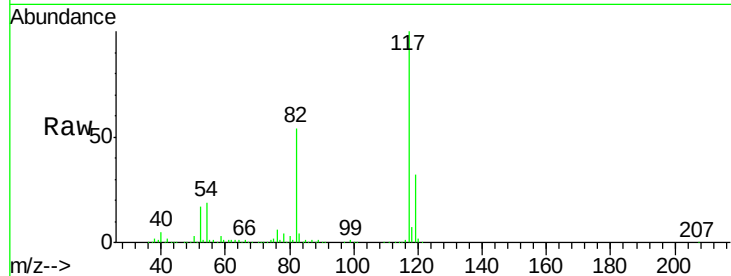




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.01 min
Lab File: VX019858.D
Acq: 11 Dec 2020 05:03

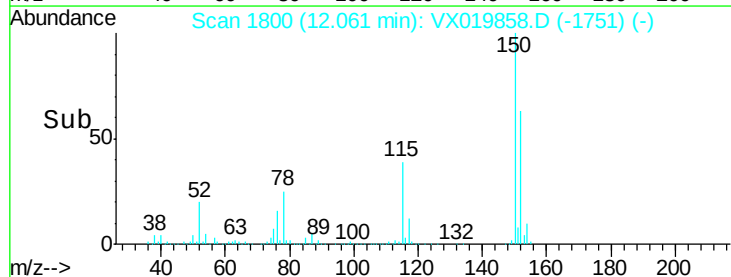
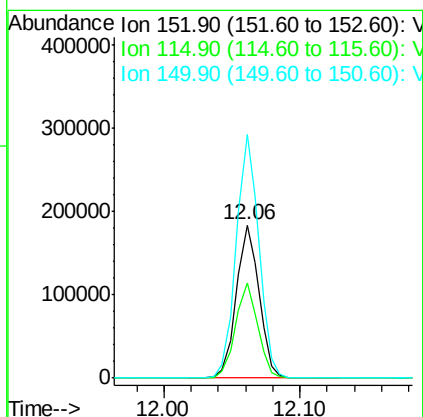
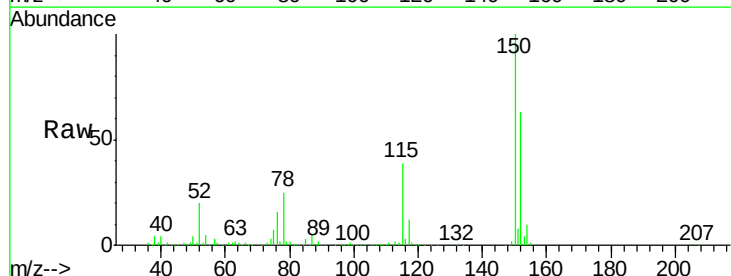
Instrument :
MSVOA_X
ClientSampleId :
TR2-D-TOP

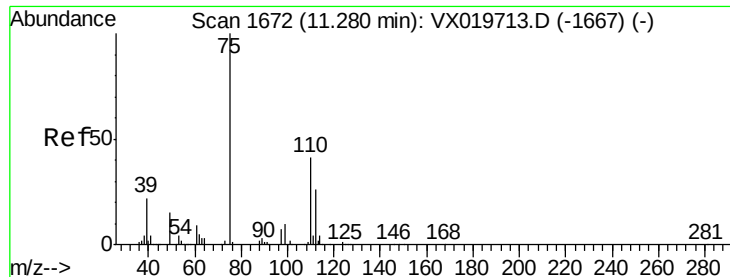
Tgt Ion:117 Resp: 494522
Ion Ratio Lower Upper
117 100
82 54.4 47.4 71.2
119 32.0 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX019858.D
Acq: 11 Dec 2020 05:03

Tgt Ion:152 Resp: 213510
Ion Ratio Lower Upper
152 100
115 60.9 41.1 123.3
150 158.6 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 22.966 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019858.D

Acq: 11 Dec 2020 05:03

Instrument :

MSVOA_X

ClientSampleId :

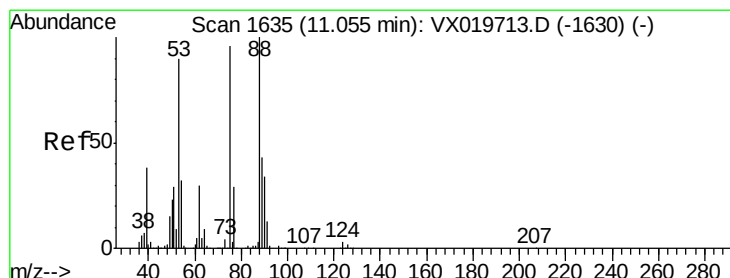
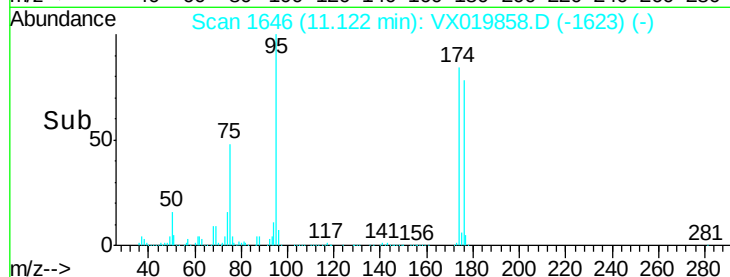
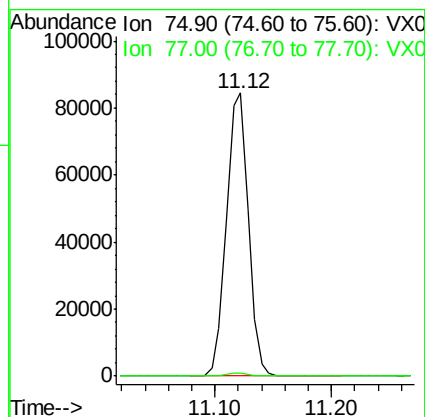
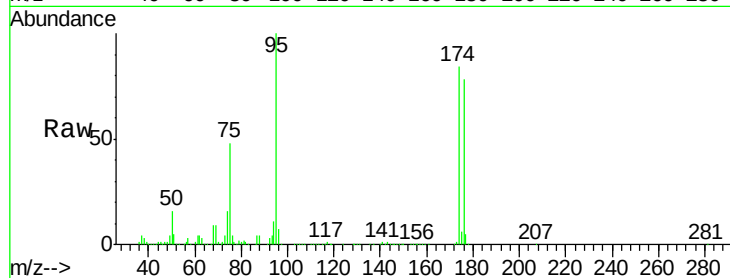
TR2-D-TOP

Tgt Ion: 75 Resp: 109975

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.390 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019858.D

Acq: 11 Dec 2020 05:03

Tgt Ion: 75 Resp: 109975

Ion Ratio Lower Upper

75 100

53 0.1 74.5 111.7#

89 0.0 37.9 56.9#

