

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072720\
 Data File : VX017639.D
 Acq On : 27 Jul 2020 23:52
 Operator : JC/SP
 Sample : L3361-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-1

Quant Time: Jul 28 01:40:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 24 05:48:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	476152	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	799760	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	867292	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	468591	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	329550	53.88	ug/l	0.00
Spiked Amount			Recovery	=	107.76%	
35) Dibromofluoromethane	5.47	113	272686	50.98	ug/l	0.00
Spiked Amount			Recovery	=	101.96%	
50) Toluene-d8	8.70	98	1001536	51.90	ug/l	0.00
Spiked Amount			Recovery	=	103.80%	
62) 4-Bromofluorobenzene	11.12	95	446075	57.77	ug/l	0.00
Spiked Amount			Recovery	=	115.54%	

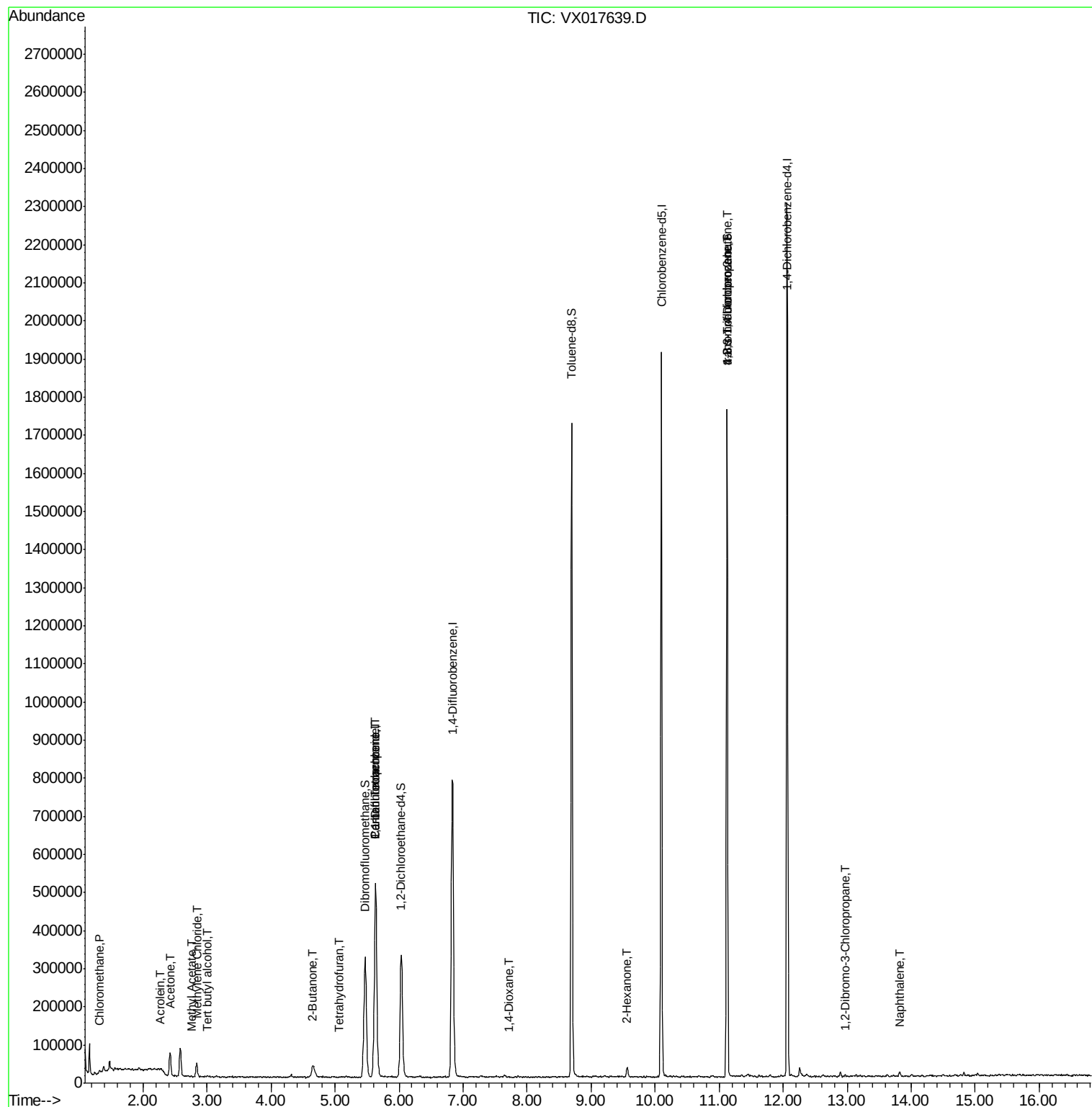
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	57	Below Cal	#	49
3) Chloromethane	1.31	50	4136	1.064	ug/l	99
5) Bromomethane	1.65	94	1353	Below Cal	#	21
6) Chloroethane	1.72	64	566	Below Cal	#	1
8) Diethyl Ether	2.17	74	1473	Below Cal		79
11) Tert butyl alcohol	3.01	59	2465	1.912	ug/l #	72
13) Acrolein	2.27	56	1228	5.376	ug/l	100
16) Acetone	2.42	43	67789	25.181	ug/l	96
18) Methyl Acetate	2.75	43	1462	0.231	ug/l	98
20) Methylene Chloride	2.84	84	17013	2.126	ug/l	96
25) 2-Butanone	4.64	43	6956	1.819	ug/l	94
29) Tetrahydrofuran	5.06	42	1149	0.485	ug/l #	68
36) 1,1-Dichloropropene	5.64	75	35949	4.687	ug/l #	52
38) Carbon Tetrachloride	5.63	117	47660	5.117	ug/l #	17
49) 1,4-Dioxane	7.72	88	146	1.109	ug/l #	61
59) 2-Hexanone	9.56	43	3343	0.537	ug/l	72
76) 1,2,3-Trichloropropane	11.12	75	227929	23.646	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	227929	59.583	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	12.97	75	478	2.736	ug/l #	15
95) Naphthalene	13.82	128	6476	0.209	ug/l #	88

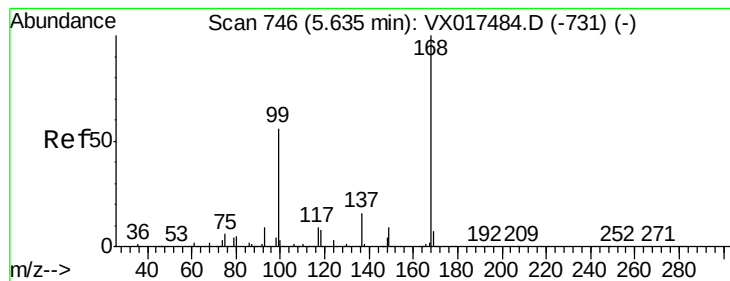
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX017639.D

Acq: 27 Jul 2020 23:52

Instrument :

MSVOA_X

ClientSampleId :

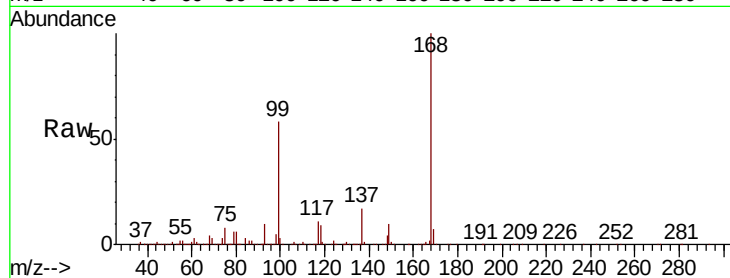
TW-1

Tot Ion:168 Resp: 476152

Ion Ratio Lower Upper

168 100

99 58.2 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

150000

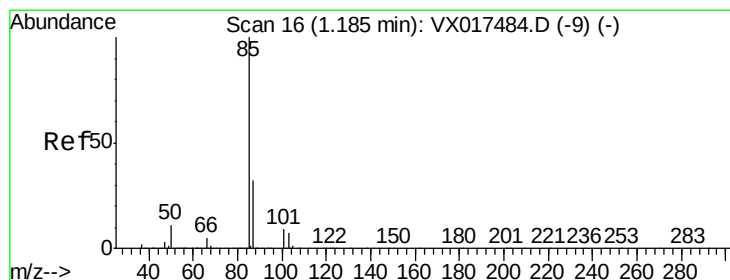
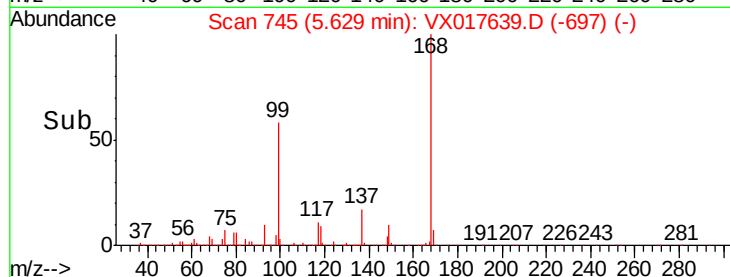
100000

50000

0

Time-->

5.50 5.60 5.70



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017639.D

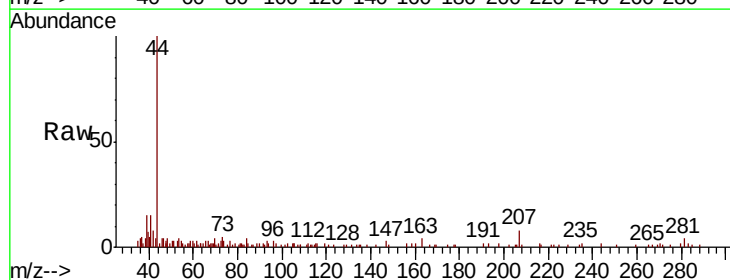
Acq: 27 Jul 2020 23:52

Tgt Ion: 85 Resp: 57

Ion Ratio Lower Upper

85 100

87 3.8 16.1 48.3#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

150

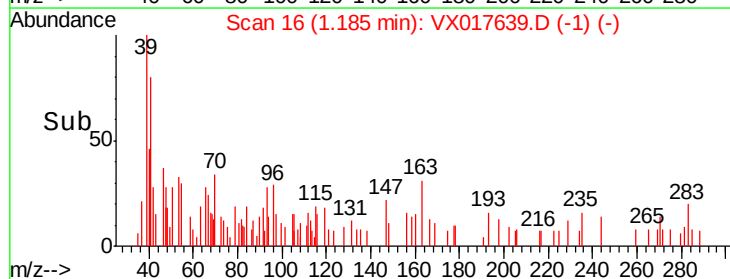
100

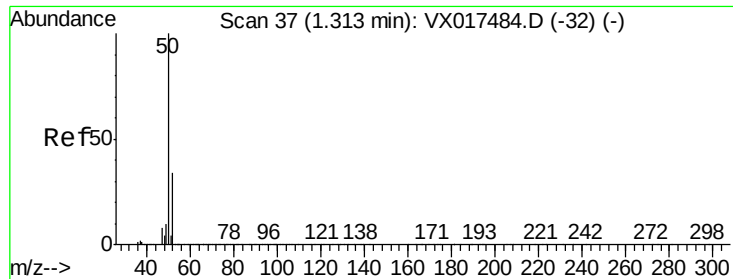
50

0

Time-->

1.17 1.18 1.19

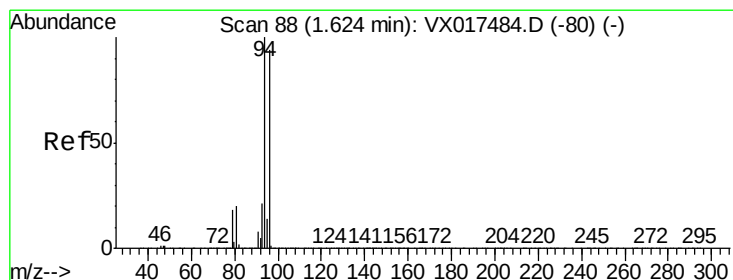
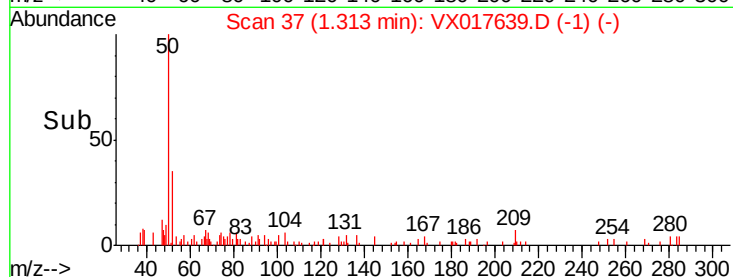
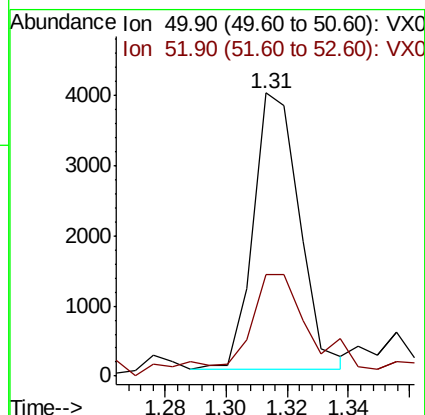
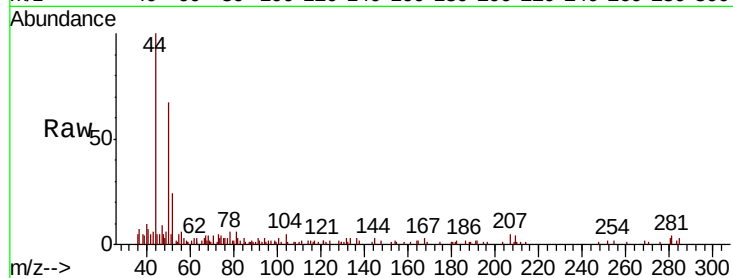




#3
Chloromethane
Concen: 1.064 ug/l
RT: 1.31 min Scan# 37
Delta R.T. 0.00 min
Lab File: VX017639.D
Acq: 27 Jul 2020 23:52

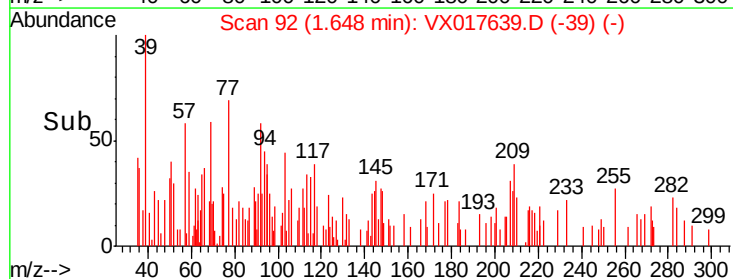
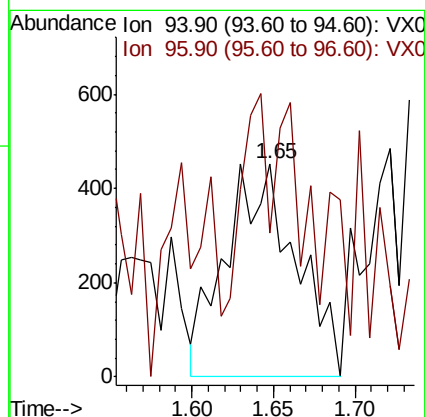
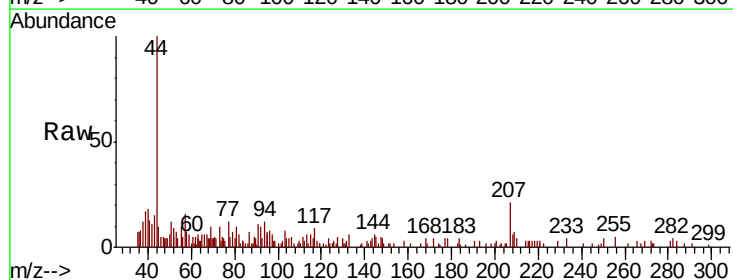
Instrument :
MSVOA_X
ClientSampleId :
TW-1

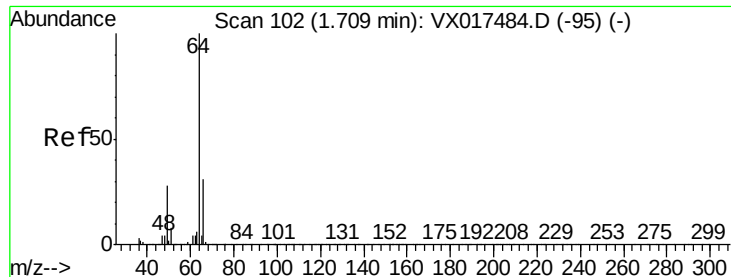
Tot Ion: 50 Resp: 4136
Ion Ratio Lower Upper
50 100
52 31.7 25.9 38.9



#5
Bromomethane
Concen: Below Cal
RT: 1.65 min Scan# 92
Delta R.T. 0.03 min
Lab File: VX017639.D
Acq: 27 Jul 2020 23:52

Tgt Ion: 94 Resp: 1353
Ion Ratio Lower Upper
94 100
96 16.8 74.1 111.1#





#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX017639.D

Acq: 27 Jul 2020 23:52

Instrument :

MSVOA_X

ClientSampleId :

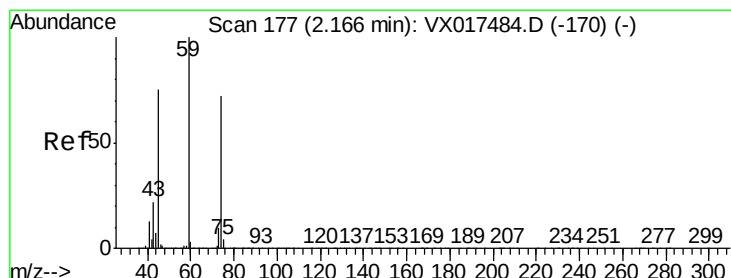
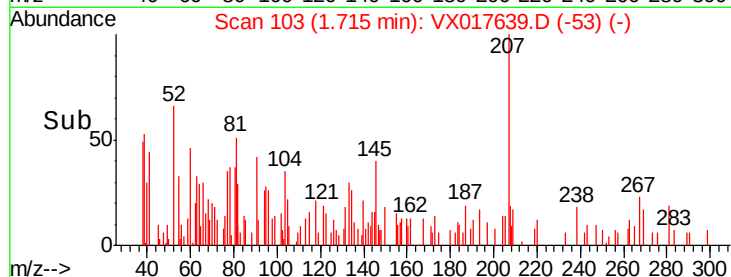
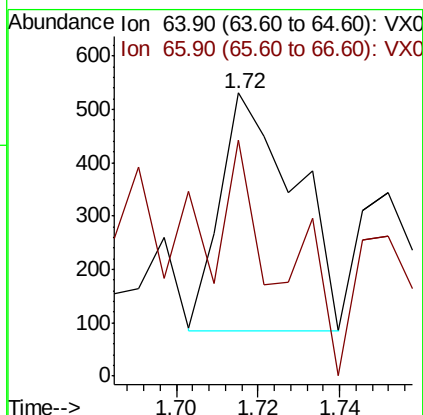
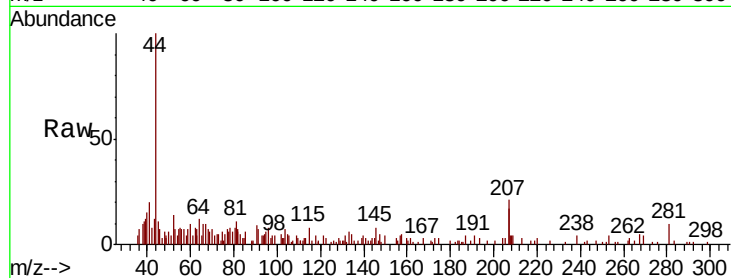
TW-1

Tot Ion: 64 Resp: 566

Ion Ratio Lower Upper

64 100

66 99.3 24.9 37.3#



#8

Diethyl Ether

Concen: Below Cal

RT: 2.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VX017639.D

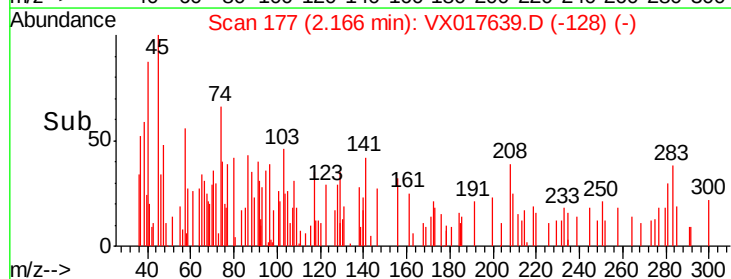
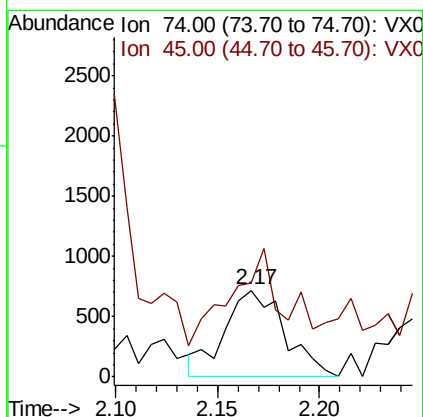
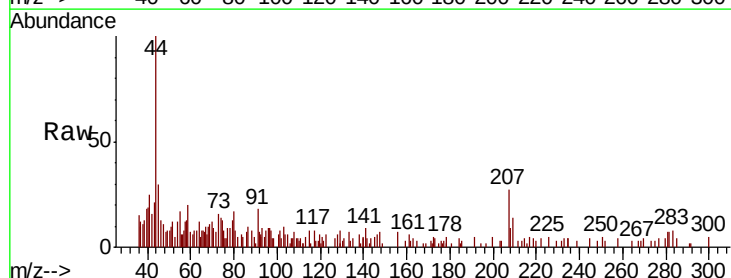
Acq: 27 Jul 2020 23:52

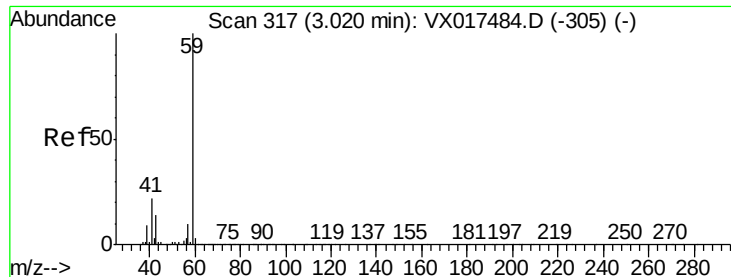
Tgt Ion: 74 Resp: 1473

Ion Ratio Lower Upper

74 100

45 80.7 50.8 152.5

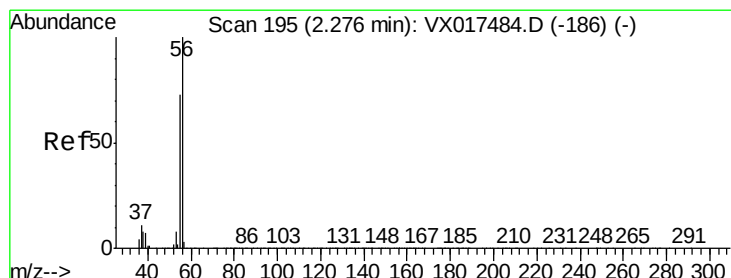
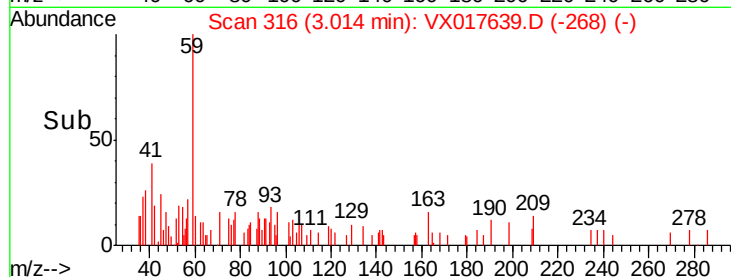
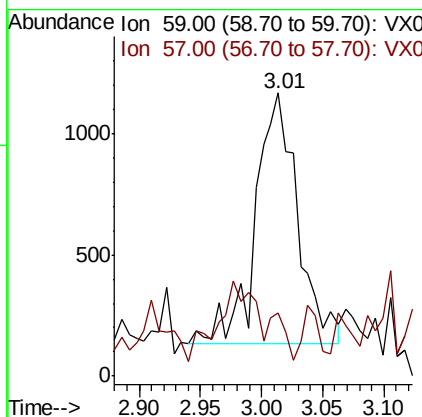
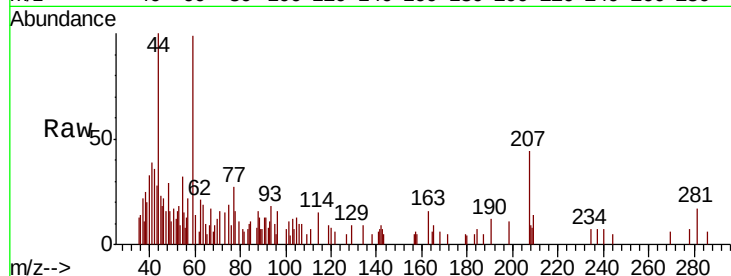




#11
Tert butyl alcohol
Concen: 1.912 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX017639.D
Acq: 27 Jul 2020 23:52

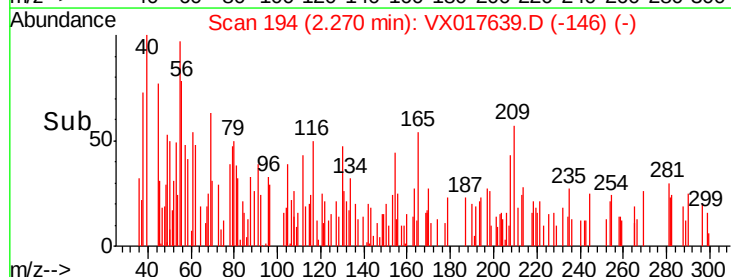
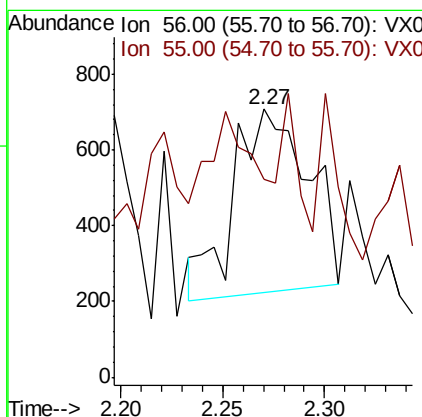
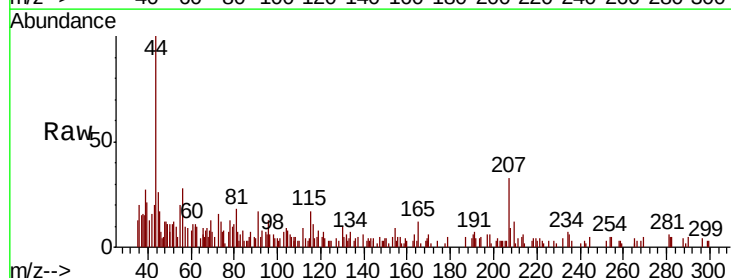
Instrument :
MSVOA_X
ClientSampled :
TW-1

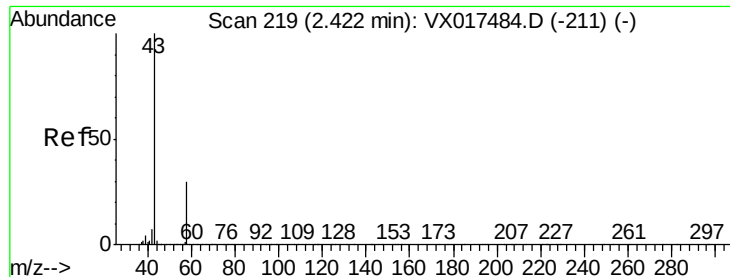
Tot Ion: 59 Resp: 2465
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 5.376 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.01 min
Lab File: VX017639.D
Acq: 27 Jul 2020 23:52

Tgt Ion: 56 Resp: 1228
Ion Ratio Lower Upper
56 100
55 71.7 57.4 86.2





#16

Acetone

Concen: 25.181 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017639.D

Acq: 27 Jul 2020 23:52

Instrument :

MSVOA_X

ClientSampleId :

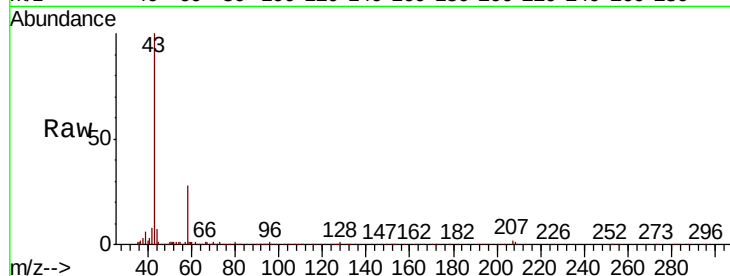
TW-1

Tot Ion: 43 Resp: 67789

Ion Ratio Lower Upper

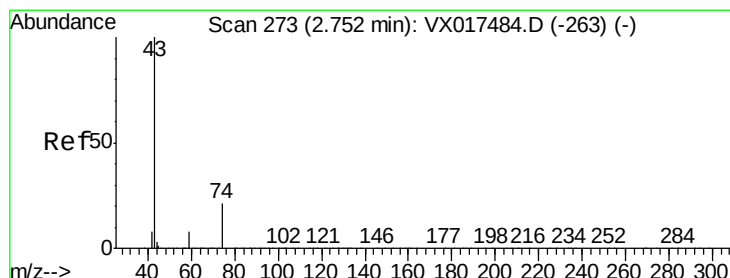
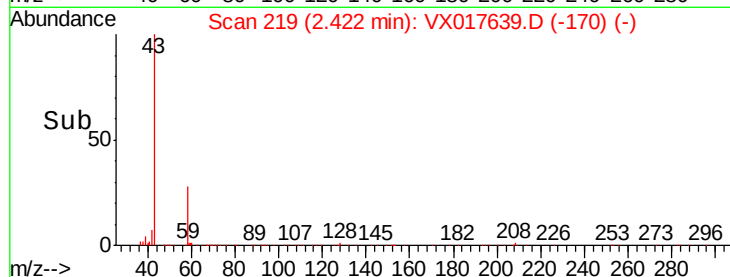
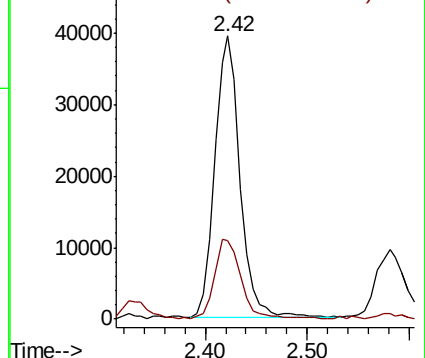
43 100

58 27.9 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.231 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.01 min

Lab File: VX017639.D

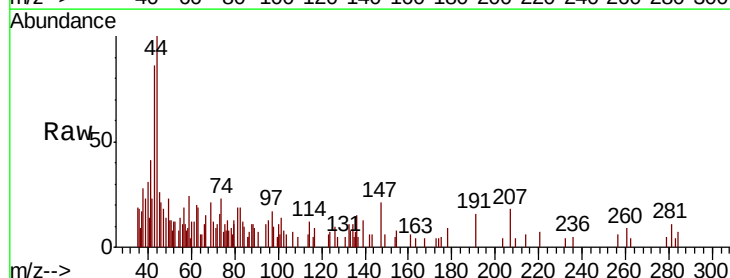
Acq: 27 Jul 2020 23:52

Tgt Ion: 43 Resp: 1462

Ion Ratio Lower Upper

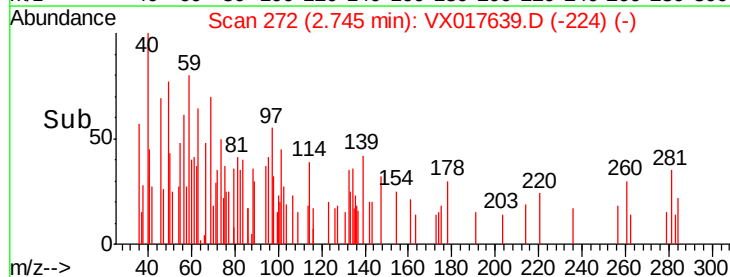
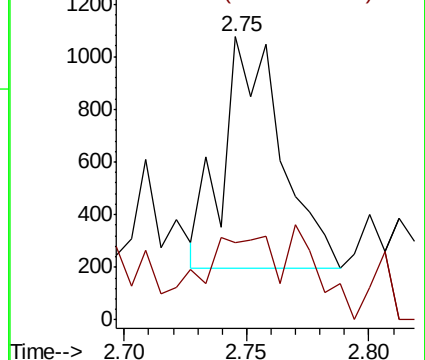
43 100

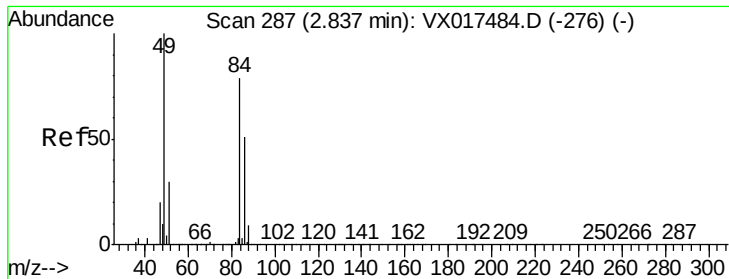
74 20.9 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

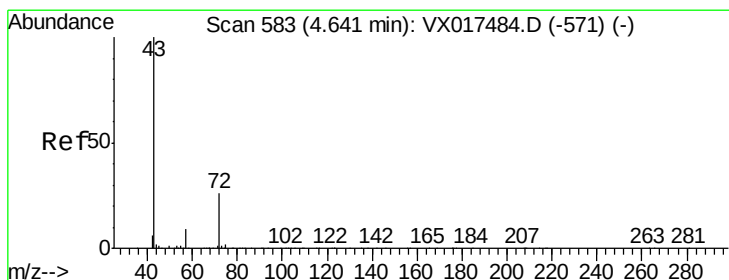
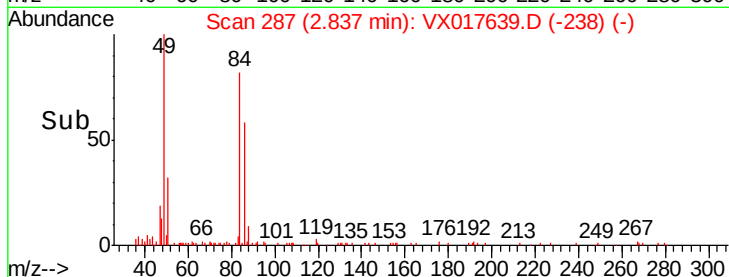
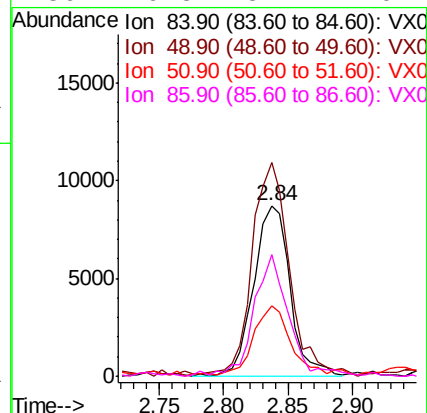
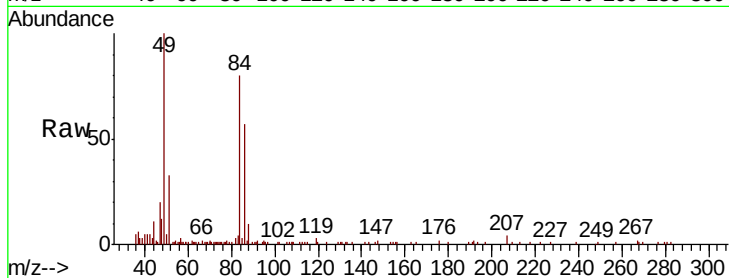




#20
Methvlene Chloride
Concen: 2.126 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017639.D
Acq: 27 Jul 2020 23:52

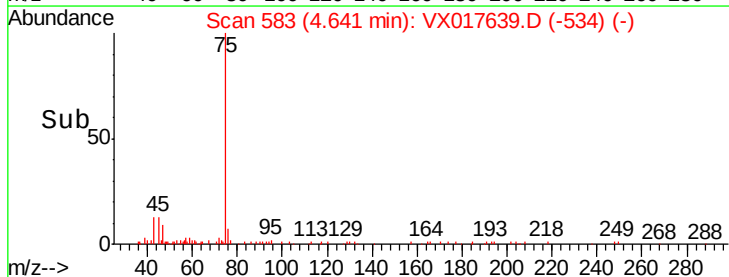
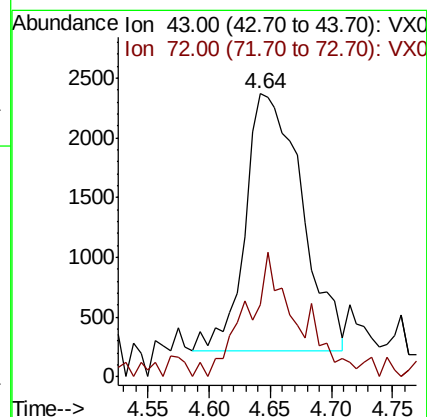
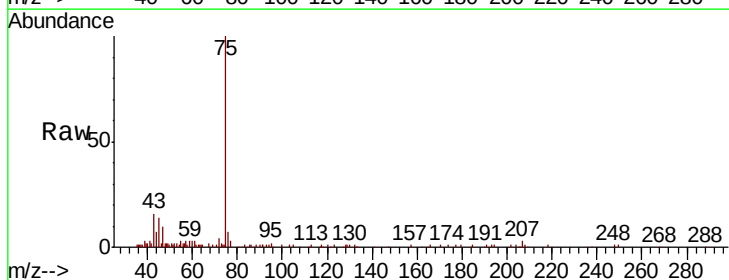
Instrument :
MSVOA_X
ClientSampleId :
TW-1

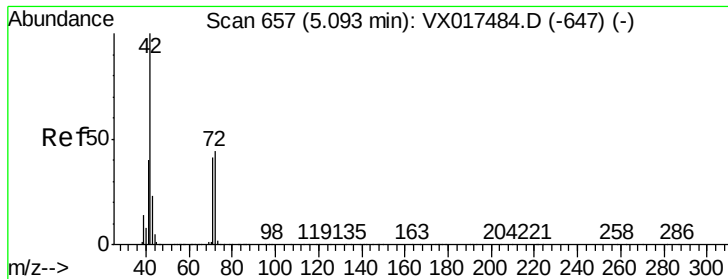
Tot Ion: 84 Resp: 17013
Ion Ratio Lower Upper
84 100
49 123.7 100.3 150.5
51 39.8 30.5 45.7
86 70.3 51.1 76.7



#25
2-Butanone
Concen: 1.819 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.00 min
Lab File: VX017639.D
Acq: 27 Jul 2020 23:52

Tgt Ion: 43 Resp: 6956
Ion Ratio Lower Upper
43 100
72 20.7 19.0 28.4





#29

Tetrahydrofuran

Concen: 0.485 ug/l

RT: 5.06 min Scan# 652

Delta R.T. -0.03 min

Lab File: VX017639.D

Acq: 27 Jul 2020 23:52

Instrument :

MSVOA_X

ClientSampled :

TW-1

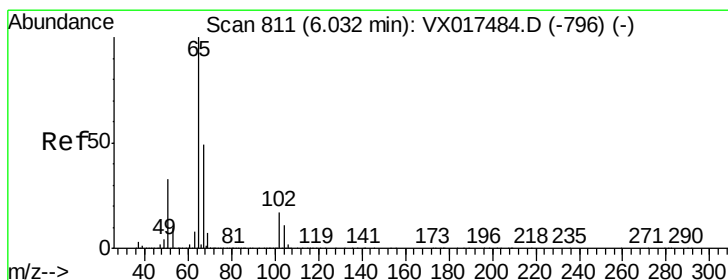
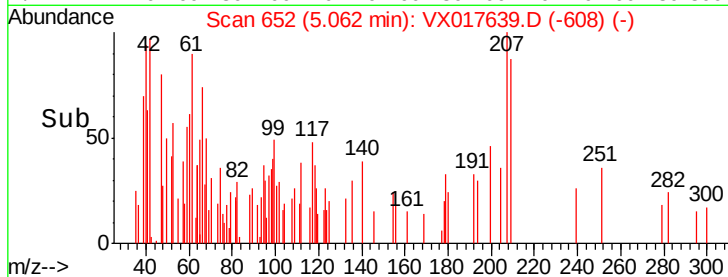
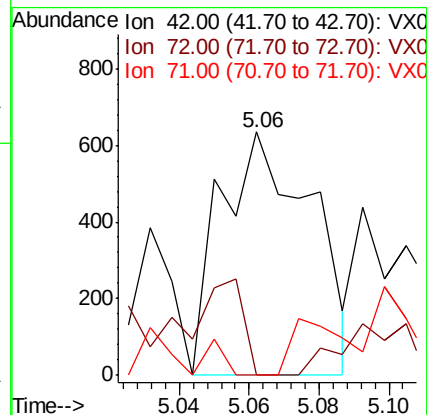
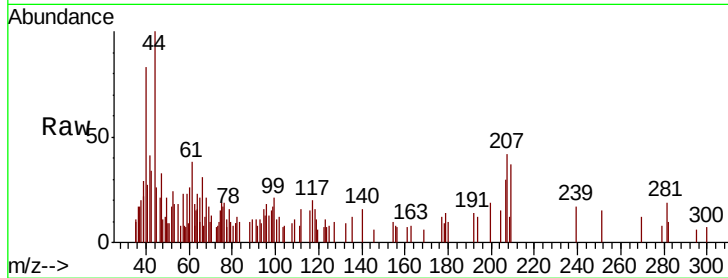
Tot Ion: 42 Resp: 1149

Ion Ratio Lower Upper

42 100

72 31.2 35.5 53.3#

71 13.8 33.0 49.4#



#33

1,2-Dichloroethane-d4

Concen: 53.880 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017639.D

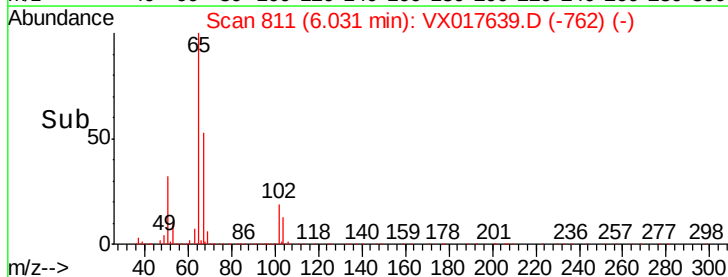
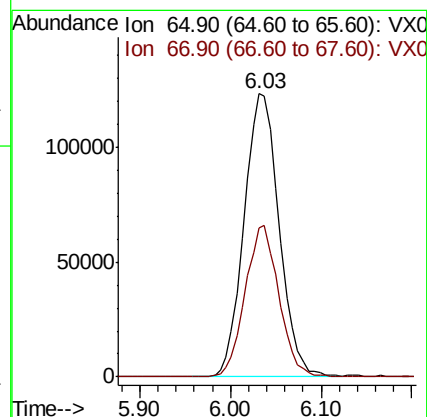
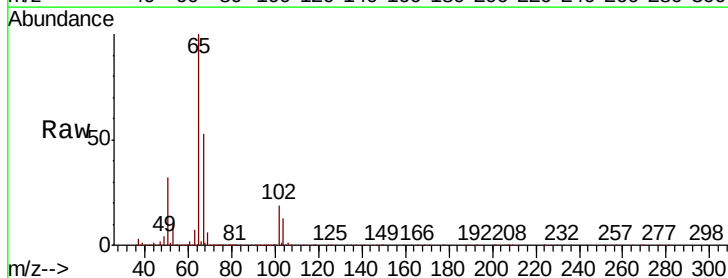
Acq: 27 Jul 2020 23:52

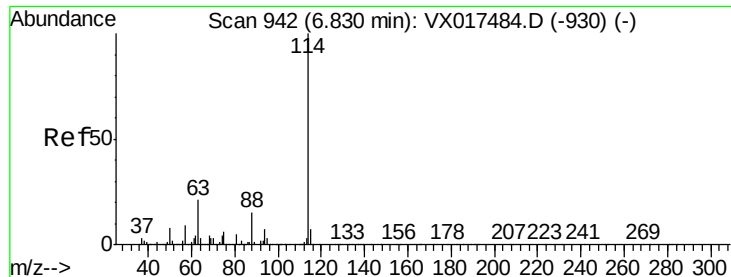
Tgt Ion: 65 Resp: 329550

Ion Ratio Lower Upper

65 100

67 51.3 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017639.D

Acq: 27 Jul 2020 23:52

Instrument :

MSVOA_X

ClientSampleId :

TW-1

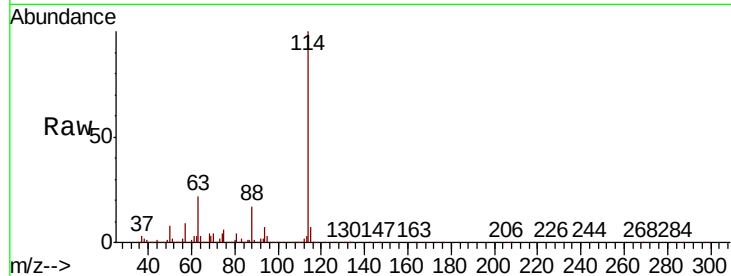
Tot Ion:114 Resp: 799760

Ion Ratio Lower Upper

114 100

63 21.8 0.0 40.6

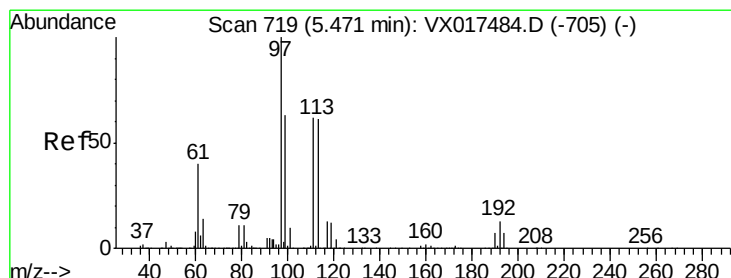
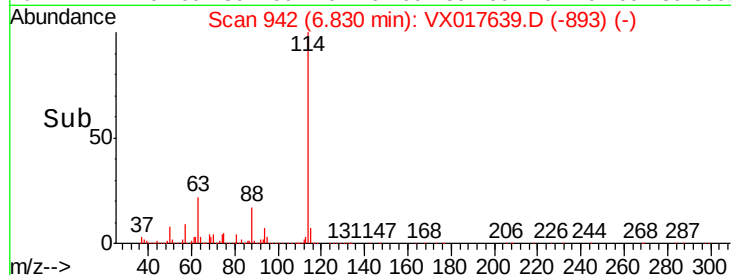
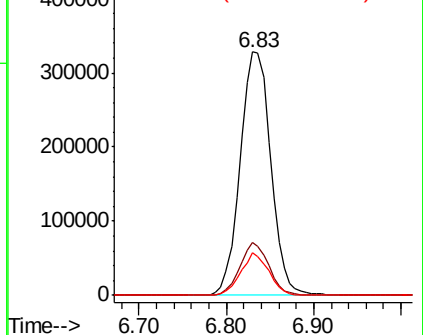
88 17.3 0.0 33.4



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: 50.980 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX017639.D

Acq: 27 Jul 2020 23:52

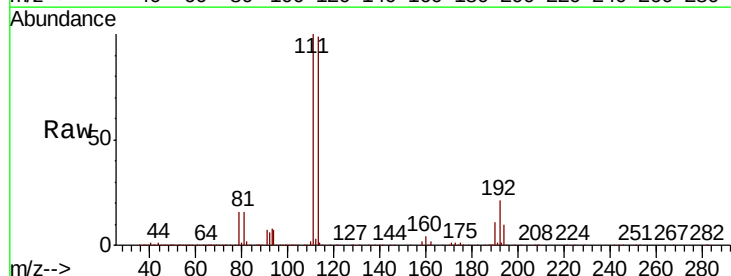
Tgt Ion:113 Resp: 272686

Ion Ratio Lower Upper

113 100

111 102.6 80.7 121.1

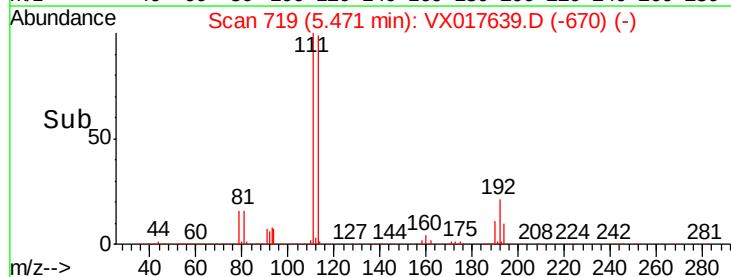
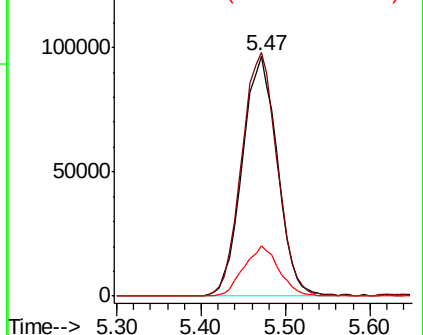
192 20.9 16.9 25.3

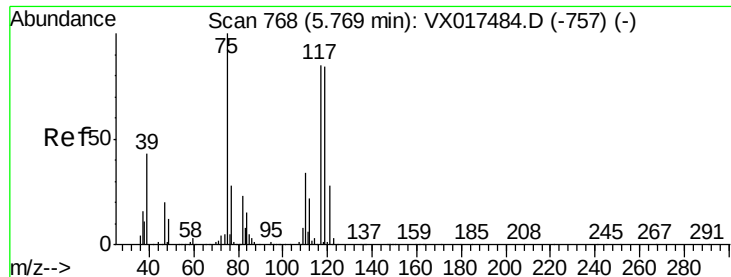


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

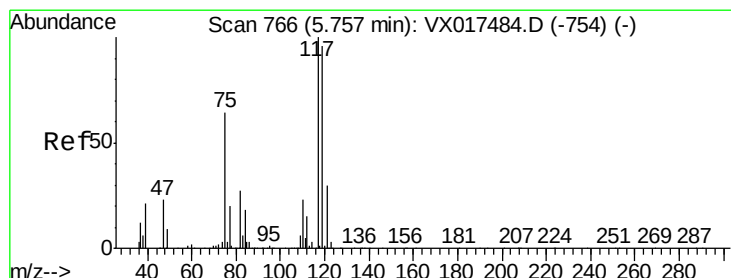
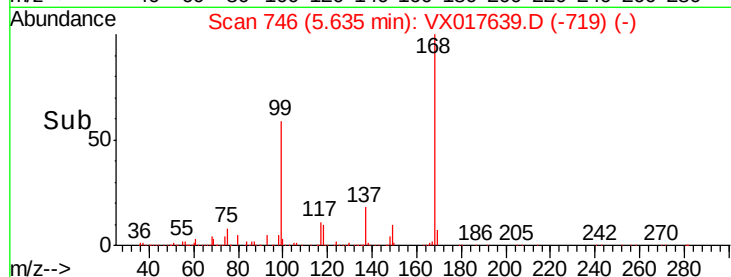
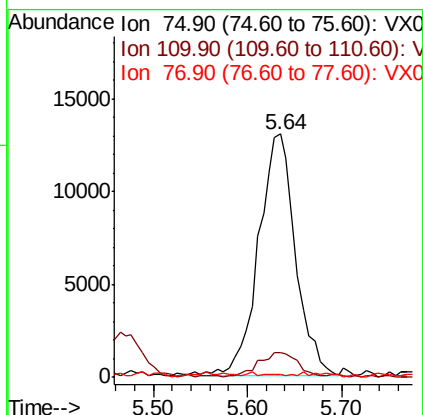
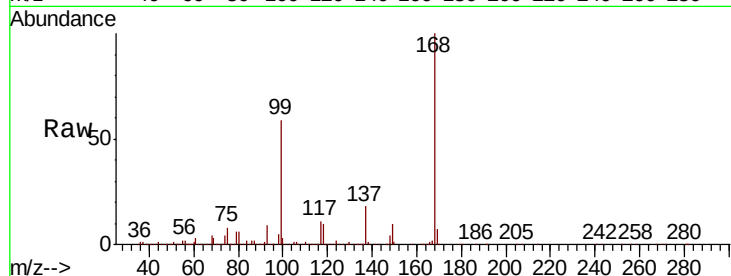




#36
 1,1-Dichloropropene
 Concen: 4.687 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX017639.D
 Acq: 27 Jul 2020 23:52

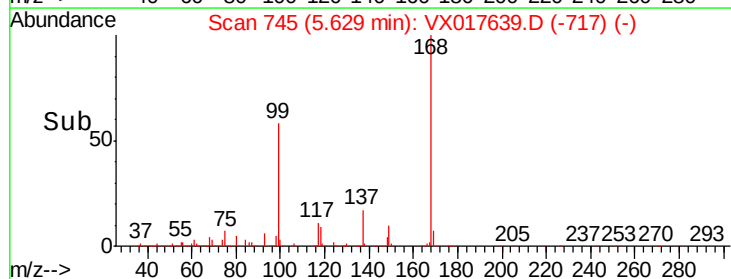
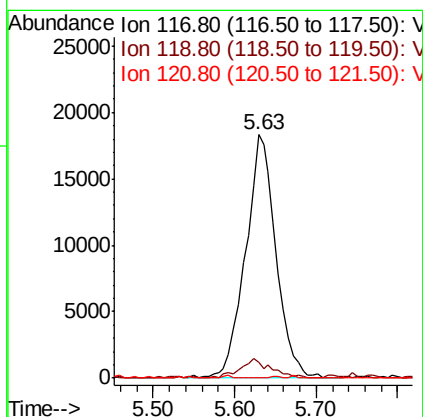
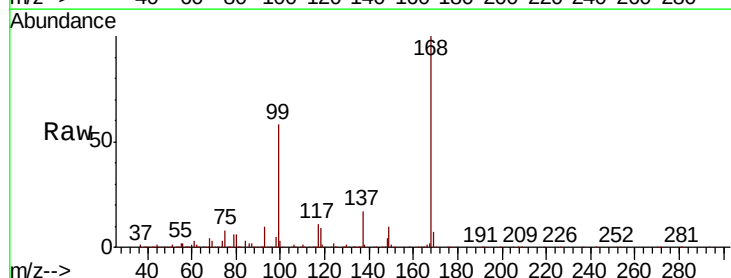
Instrument :
 MSVOA_X
 ClientSampleId :
 TW-1

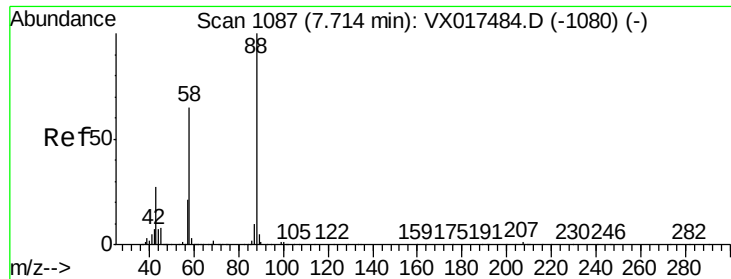
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.2	18.1	54.3#
77	0.3	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 5.117 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX017639.D
 Acq: 27 Jul 2020 23:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	75.4	113.0#
121	0.0	24.3	36.5#

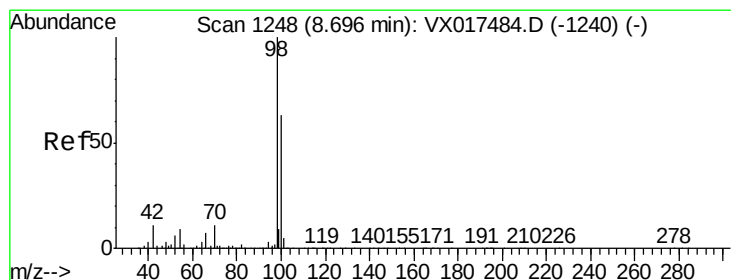
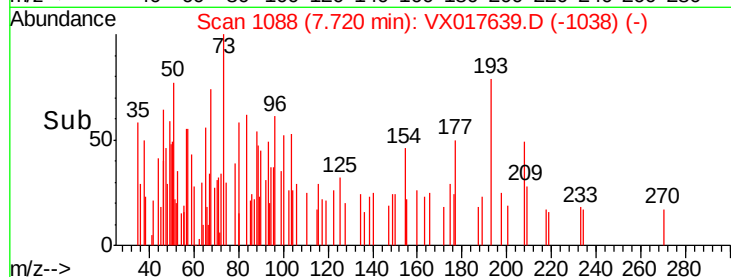
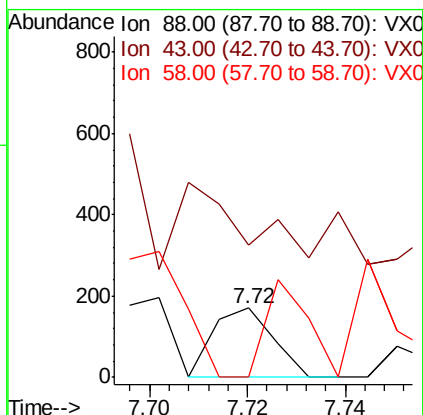
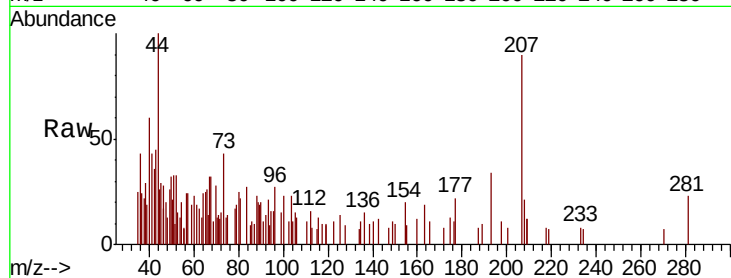




#49
1,4-Dioxane
Concen: 1.109 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX017639.D
Acq: 27 Jul 2020 23:52

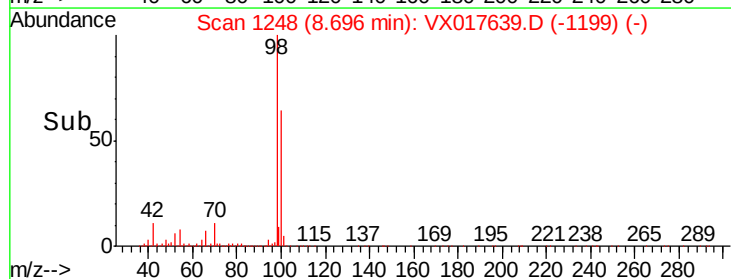
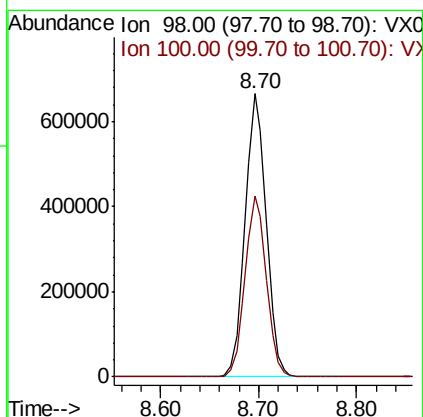
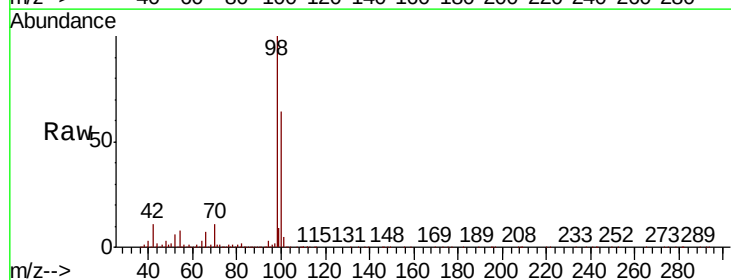
Instrument :
MSVOA_X
ClientSampled :
TW-1

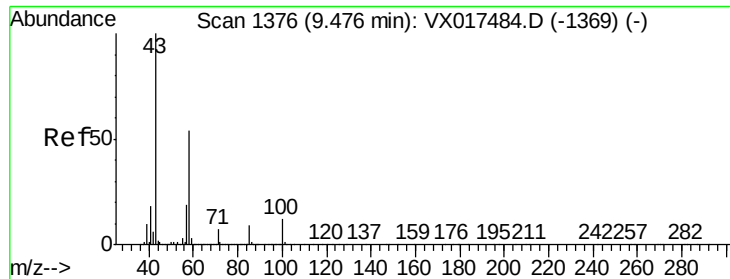
Tot Ion: 88 Resp: 146
Ion Ratio Lower Upper
88 100
43 0.0 27.8 41.6#
58 97.3 58.3 87.5#



#50
Toluene-d8
Concen: 51.904 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017639.D
Acq: 27 Jul 2020 23:52

Tgt Ion: 98 Resp: 1001536
Ion Ratio Lower Upper
98 100
100 64.3 52.3 78.5

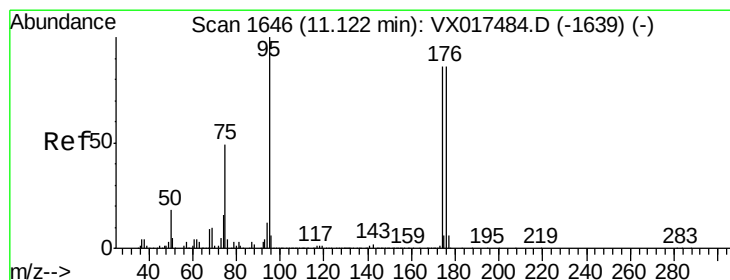
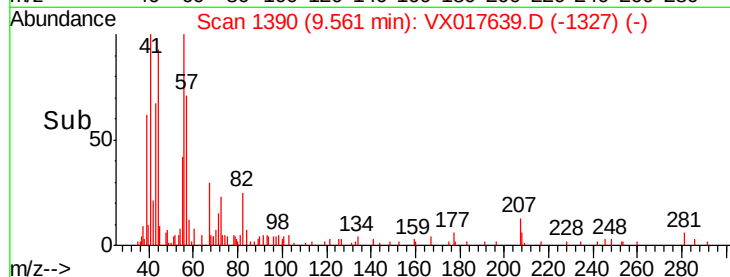
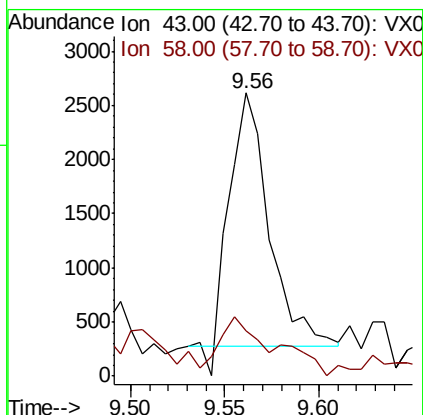
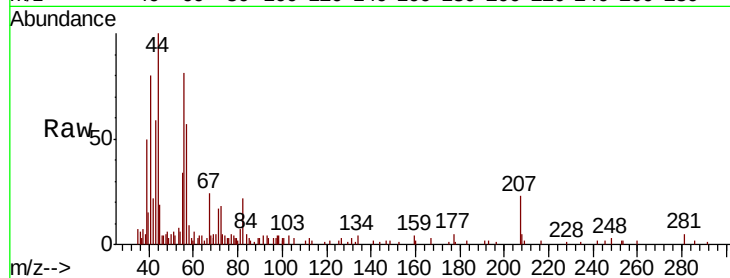




#59
2-Hexanone
Concen: 0.537 ug/l
RT: 9.56 min Scan# 1390
Delta R.T. 0.09 min
Lab File: VX017639.D
Acq: 27 Jul 2020 23:52

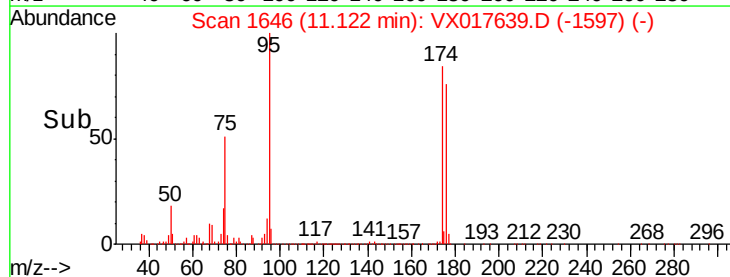
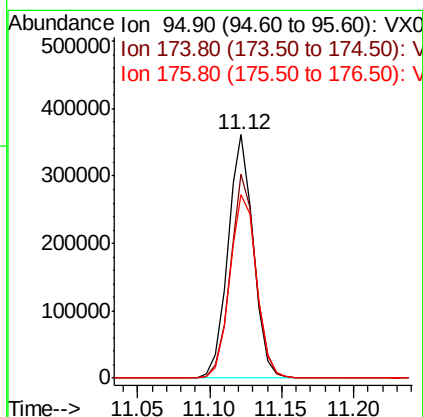
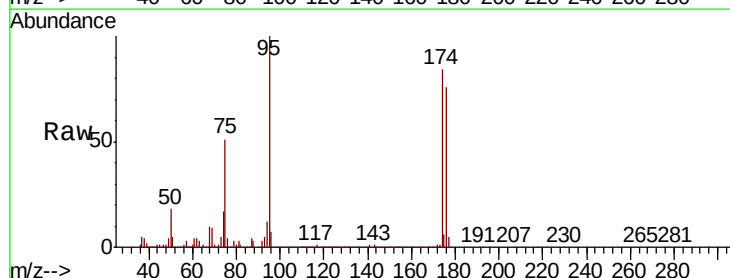
Instrument :
MSVOA_X
ClientSampled :
TW-1

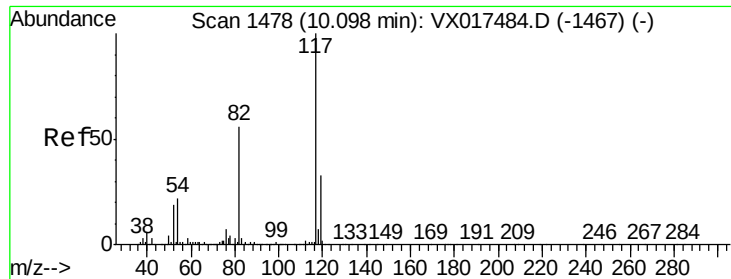
Tot Ion: 43 Resp: 3343
Ion Ratio Lower Upper
43 100
58 33.0 26.6 79.8



#62
4-Bromofluorobenzene
Concen: 57.765 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017639.D
Acq: 27 Jul 2020 23:52

Tgt Ion: 95 Resp: 446075
Ion Ratio Lower Upper
95 100
174 83.6 0.0 169.0
176 79.7 0.0 161.0

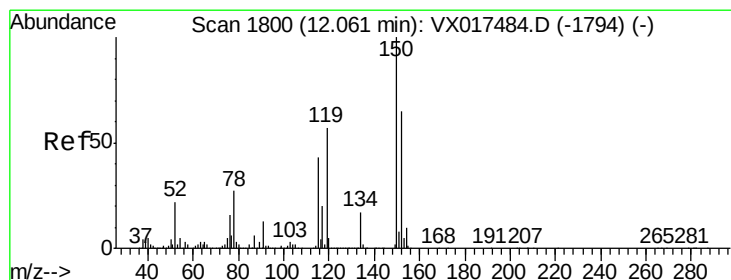
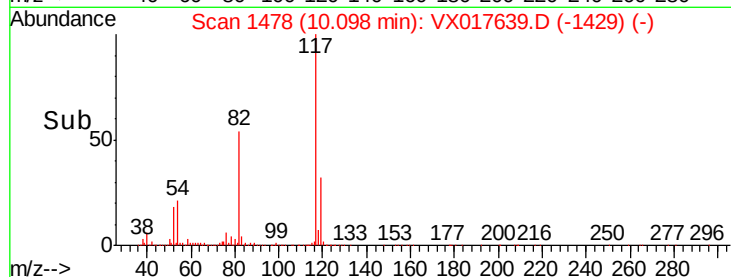
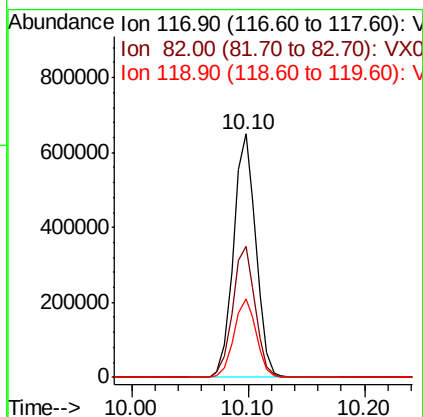
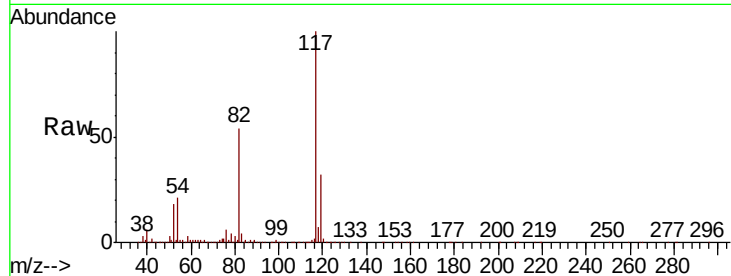




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017639.D
Acq: 27 Jul 2020 23:52

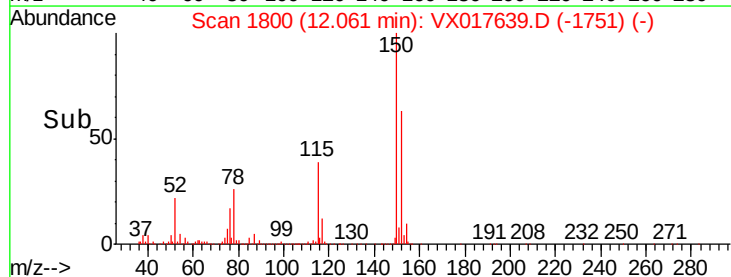
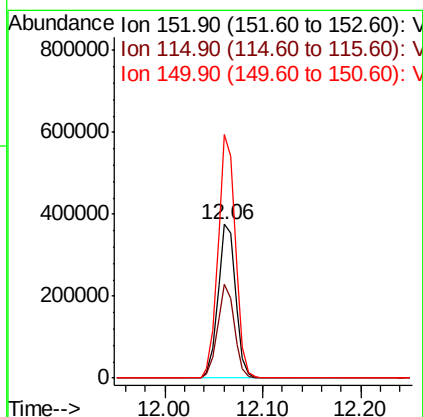
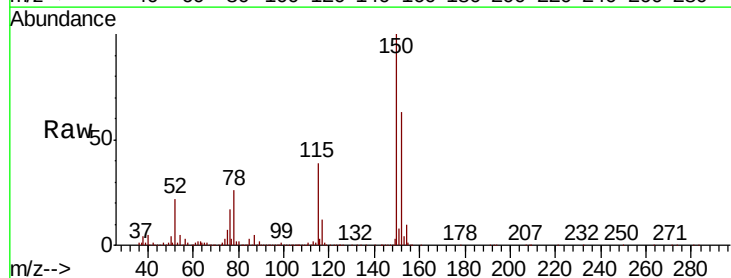
Instrument :
MSVOA_X
ClientSampleId :
TW-1

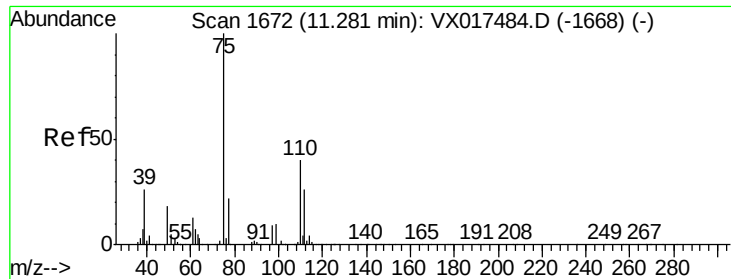
Tot Ion:117 Resp: 867292
Ion Ratio Lower Upper
117 100
82 53.6 44.0 66.0
119 32.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017639.D
Acq: 27 Jul 2020 23:52

Tgt Ion:152 Resp: 468591
Ion Ratio Lower Upper
152 100
115 58.6 65.5 196.6#
150 155.9 0.0 412.6

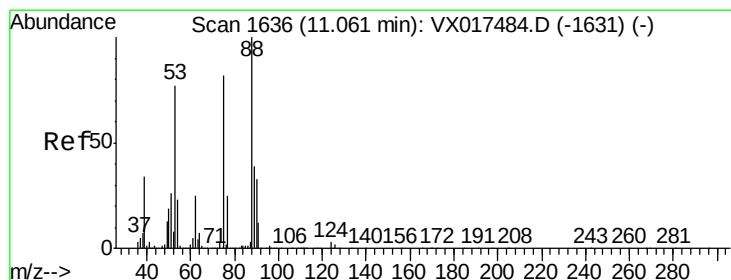
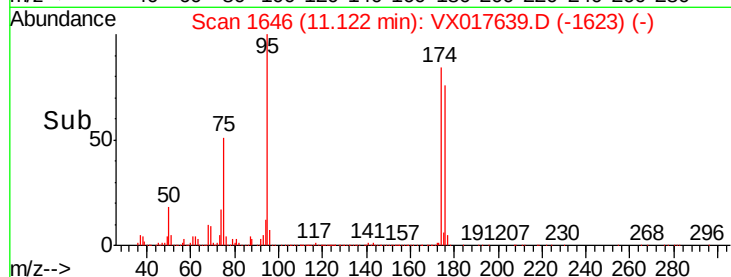
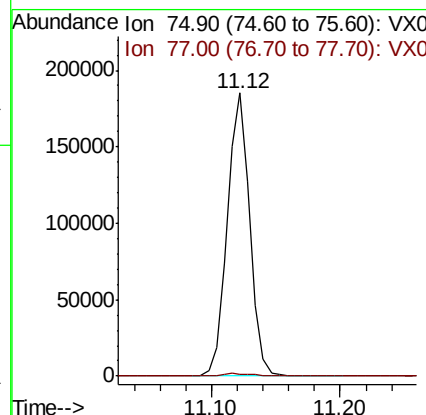
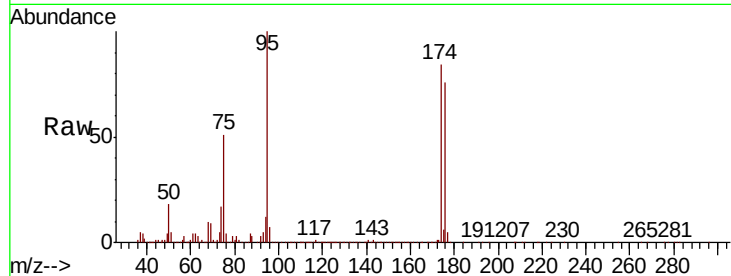




#76
 1,2,3-Trichloropropane
 Concen: 23.646 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX017639.D
 Acq: 27 Jul 2020 23:52

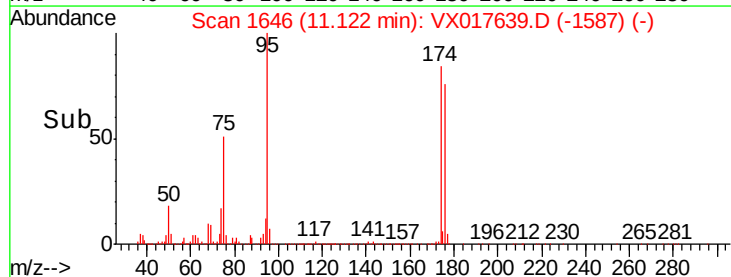
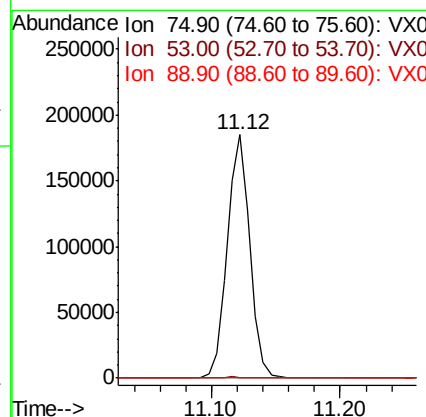
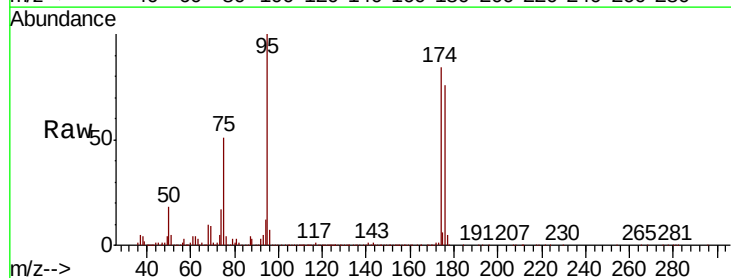
Instrument :
 MSVOA_X
 ClientSampled :
 TW-1

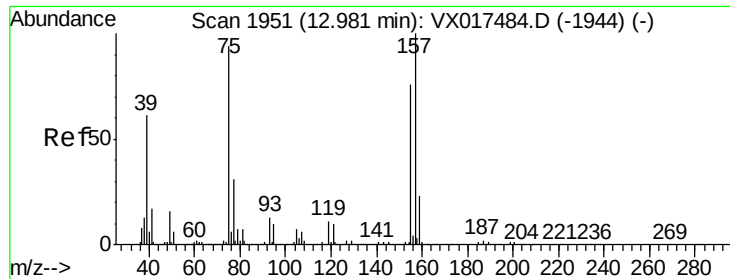
Tot Ion: 75 Resp: 227929
 Ion Ratio Lower Upper
 75 100
 77 1.5 21.8 65.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.583 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX017639.D
 Acq: 27 Jul 2020 23:52

Tgt Ion: 75 Resp: 227929
 Ion Ratio Lower Upper
 75 100
 53 0.3 75.9 113.9#
 89 0.1 37.8 56.6#

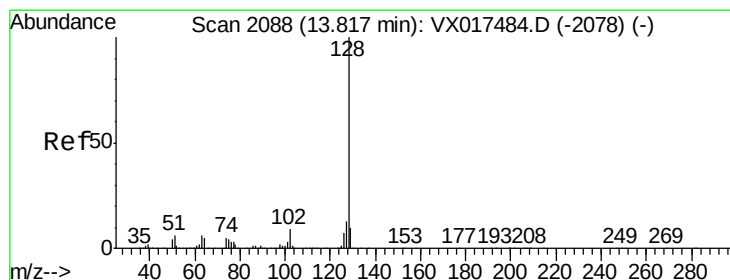
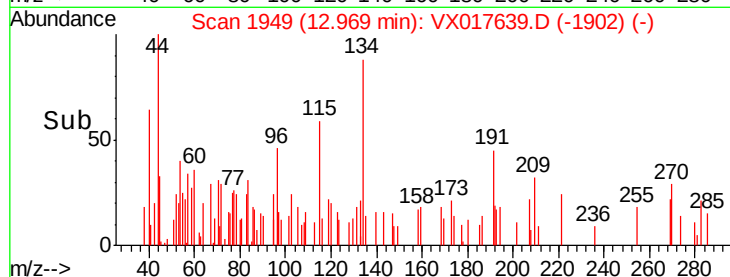
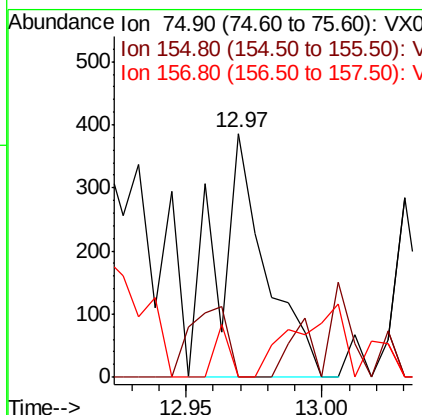
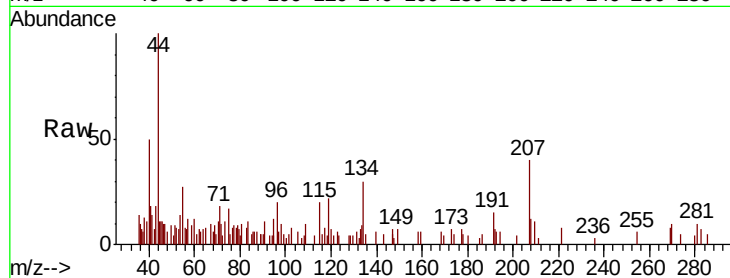




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.736 ug/l
 RT: 12.97 min Scan# 1949
 Delta R.T. -0.01 min
 Lab File: VX017639.D
 Acq: 27 Jul 2020 23:52

Instrument :
 MSVOA_X
 ClientSampled :
 TW-1

Tot Ion: 75 Resp: 478
 Ion Ratio Lower Upper
 75 100
 155 22.2 42.3 126.8#
 157 6.5 54.3 162.9#



#95
 Naphthalene
 Concen: 0.209 ug/l
 RT: 13.82 min Scan# 2089
 Delta R.T. 0.01 min
 Lab File: VX017639.D
 Acq: 27 Jul 2020 23:52

Tgt Ion: 128 Resp: 6476
 Ion Ratio Lower Upper
 128 100
 127 21.1 10.4 15.6#
 129 10.1 8.9 13.3

