

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060421\
 Data File : VX022468.D
 Acq On : 05 Jun 2021 13:47
 Operator : JC/MD
 Sample : M2580-29
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 07 03:23:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 19 14:23:10 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

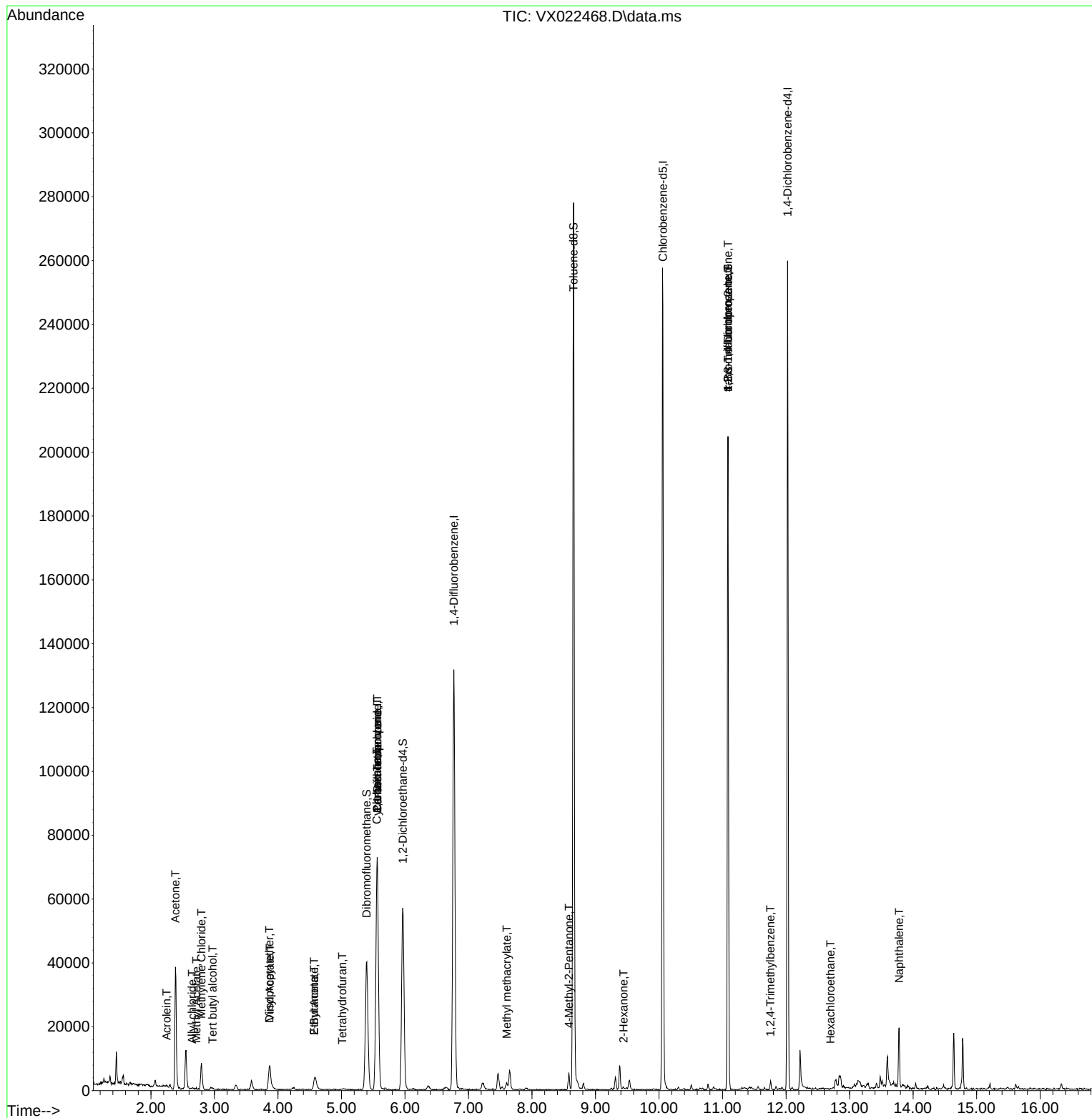
Internal Standards						
1) Pentafluorobenzene	5.562	168	61114	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	129817	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	114562	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	46711	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	52495	55.684	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	111.360%
35) Dibromofluoromethane	5.397	113	34127	41.455	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	82.900%
50) Toluene-d8	8.653	98	157783	49.755	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.500%
62) 4-Bromofluorobenzene	11.085	95	56789	48.449	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.900%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.971	59	702	3.256	ug/l	# 73
13) Acrolein	2.245	56	68	0.476	ug/l	# 71
14) Allyl chloride	2.648	41	329	0.256	ug/l	# 54
16) Acetone	2.386	43	38553	93.920	ug/l	93
18) Methyl Acetate	2.715	43	497	0.455	ug/l	# 47
20) Methylene Chloride	2.794	84	3651	4.006	ug/l	# 87
22) Diisopropyl ether	3.861	45	508	0.205	ug/l	# 1
23) Vinyl Acetate	3.873	43	1390	0.583	ug/l	# 68
25) 2-Butanone	4.568	43	4342	6.538	ug/l	# 85
29) Tetrahydrofuran	5.013	42	101	0.256	ug/l	# 27
31) Cyclohexane	5.556	56	1787	1.508	ug/l	# 3
36) 1,1-Dichloropropene	5.562	75	6301	5.249	ug/l	# 47
37) Ethyl Acetate	4.568	43	4342	2.951	ug/l	# 64
38) Carbon Tetrachloride	5.562	117	7152	6.091	ug/l	# 16
48) Methyl methacrylate	7.604	41	2943	2.653	ug/l	# 15
51) 4-Methyl-2-Pentanone	8.580	43	3141	2.179	ug/l	96
59) 2-Hexanone	9.439	43	576	0.531	ug/l	# 59
76) 1,2,3-Trichloropropane	11.085	75	30016	26.047	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.085	75	30016	61.715	ug/l	# 12
84) 1,2,4-Trimethylbenzene	11.756	105	1024	0.310	ug/l	# 42
90) Hexachloroethane	12.701	117	216	0.387	ug/l	# 9
95) Naphthalene	13.780	128	10818	2.961	ug/l	97

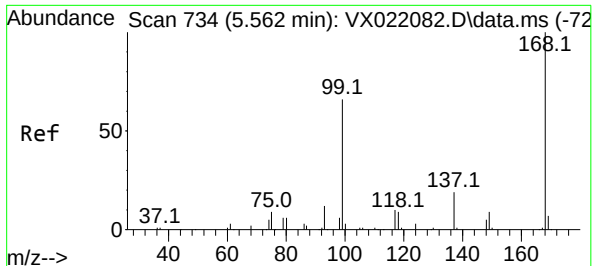
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 64 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

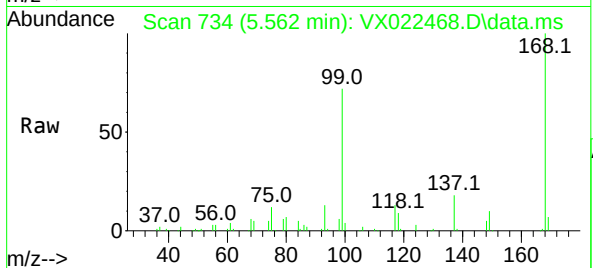
Quant Time: Jun 07 03:23:22 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
Quant Title : SW846 8260
QLast Update : Wed May 19 14:23:10 2021
Response via : Initial Calibration



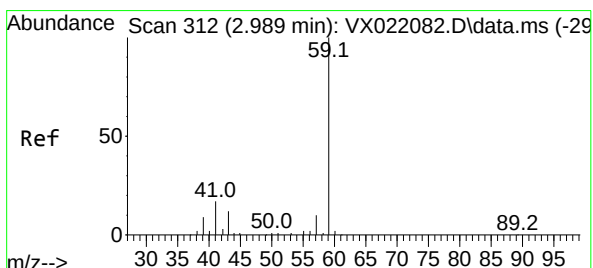
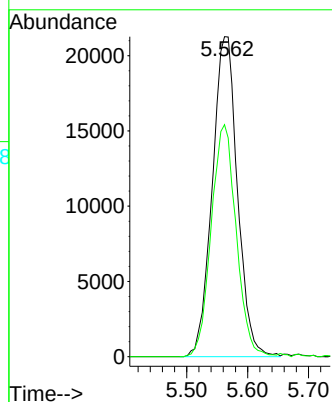
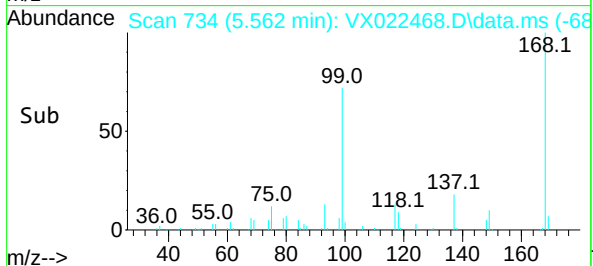


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX022468.D
Acq: 05 Jun 2021 13:47

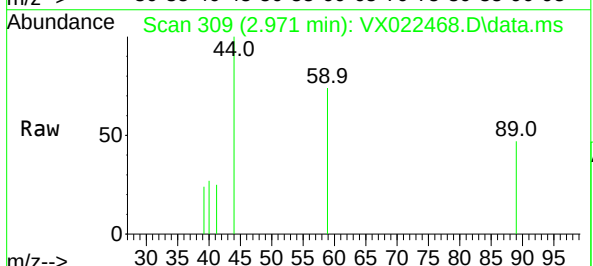
Instrument :
MSVOA_X
ClientSampled :



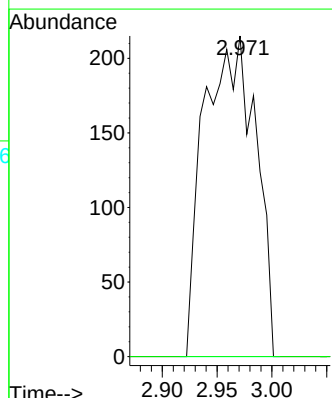
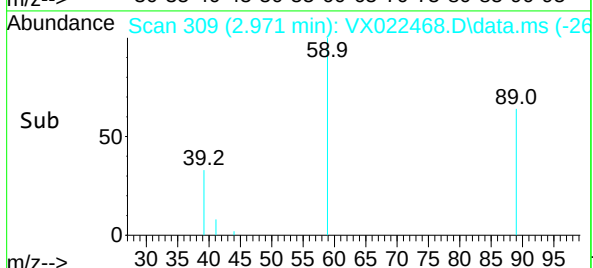
Tgt Ion:168 Resp: 61114
Ion Ratio Lower Upper
168 100
99 72.5 45.8 68.6#

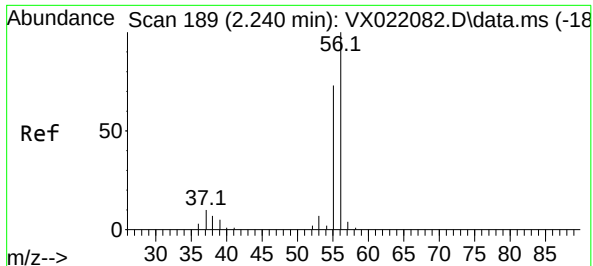


#11
Tert butyl alcohol
Concen: 3.256 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.018 min
Lab File: VX022468.D
Acq: 05 Jun 2021 13:47



Tgt Ion: 59 Resp: 702
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

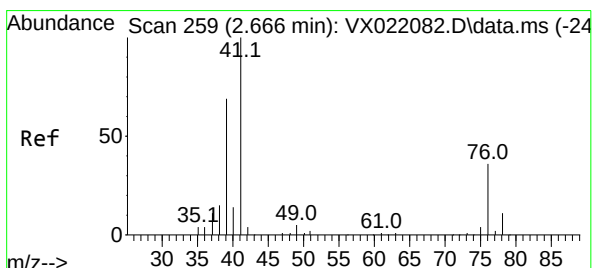
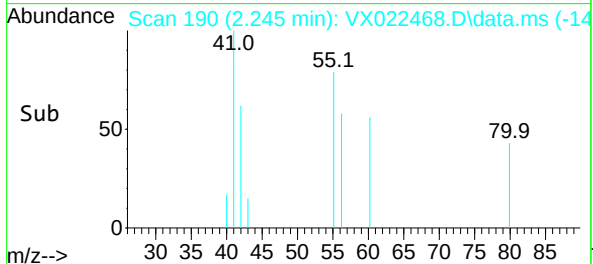
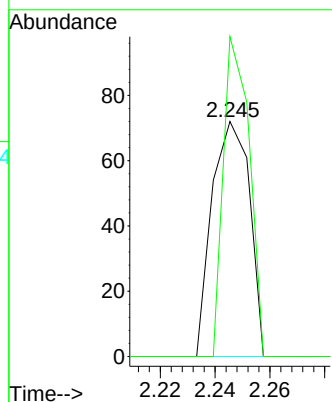
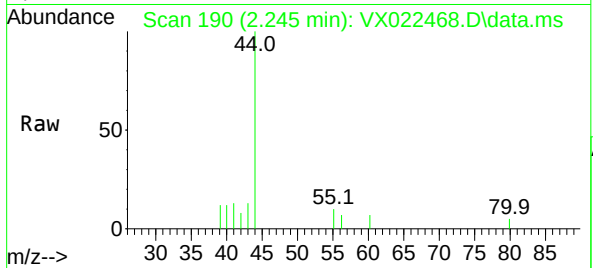




#13
Acrolein
Concen: 0.476 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.005 min
Lab File: VX022468.D
Acq: 05 Jun 2021 13:47

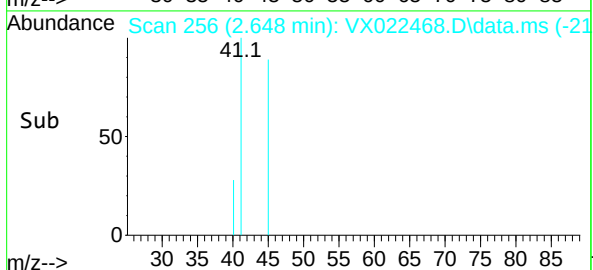
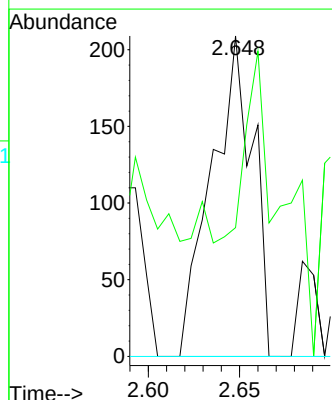
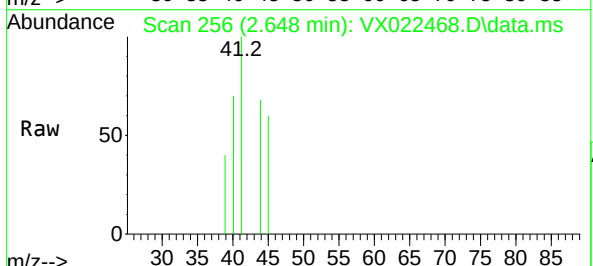
Instrument :
MSVOA_X
ClientSampled :

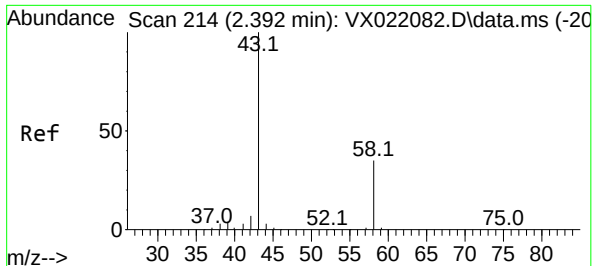
Tgt Ion: 56 Resp: 68
Ion Ratio Lower Upper
56 100
55 94.1 56.4 84.6#



#14
Allyl chloride
Concen: 0.256 ug/l
RT: 2.648 min Scan# 256
Delta R.T. -0.018 min
Lab File: VX022468.D
Acq: 05 Jun 2021 13:47

Tgt Ion: 41 Resp: 329
Ion Ratio Lower Upper
41 100
39 92.7 51.6 77.4#
76 0.0 30.5 45.7#

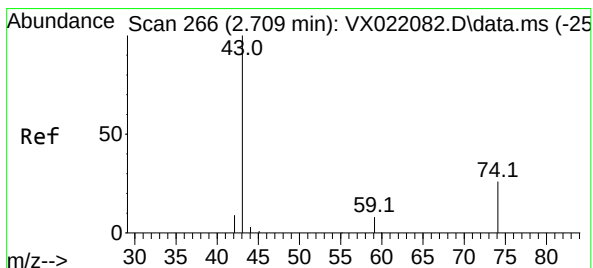
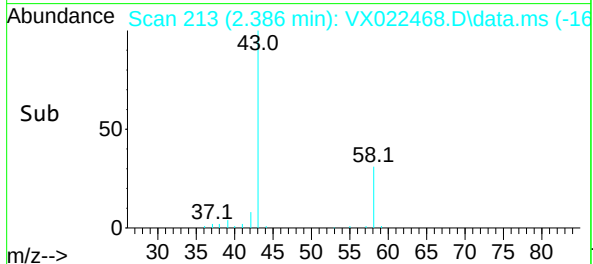
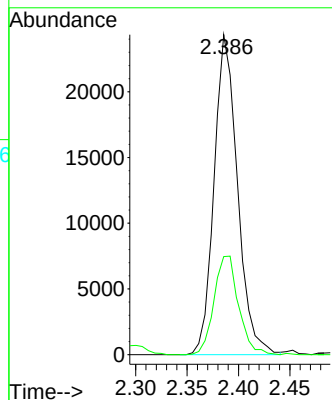
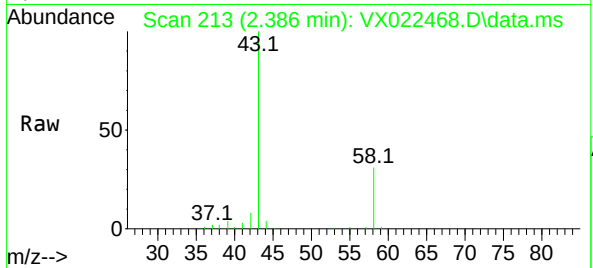




#16
Acetone
Concen: 93.920 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX022468.D
Acq: 05 Jun 2021 13:47

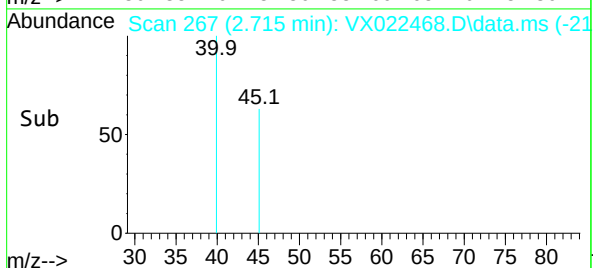
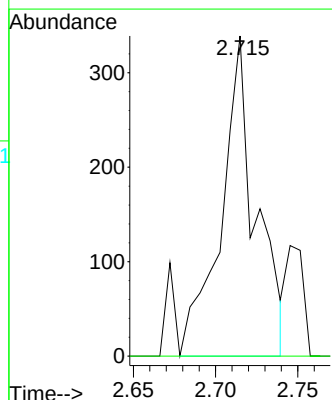
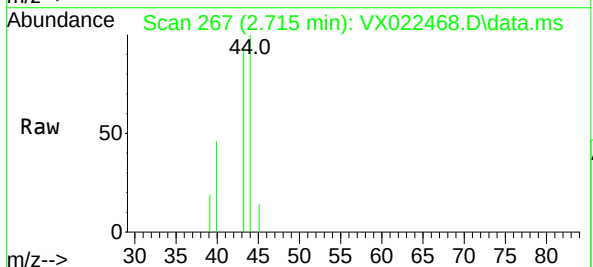
Instrument :
MSVOA_X
ClientSampled :

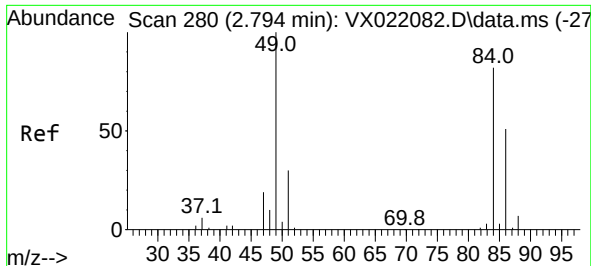
Tgt Ion: 43 Resp: 38553
Ion Ratio Lower Upper
43 100
58 30.7 27.8 41.8



#18
Methyl Acetate
Concen: 0.455 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX022468.D
Acq: 05 Jun 2021 13:47

Tgt Ion: 43 Resp: 497
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#





#20

Methylene Chloride

Concen: 4.006 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX022468.D

Acq: 05 Jun 2021 13:47

Tgt Ion: 84 Resp: 3651

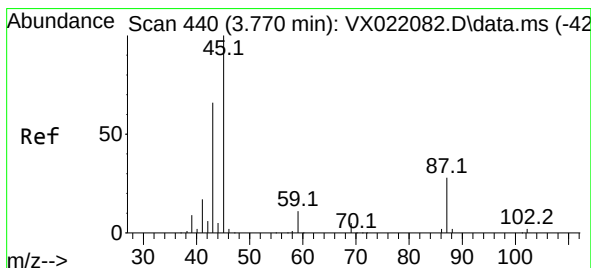
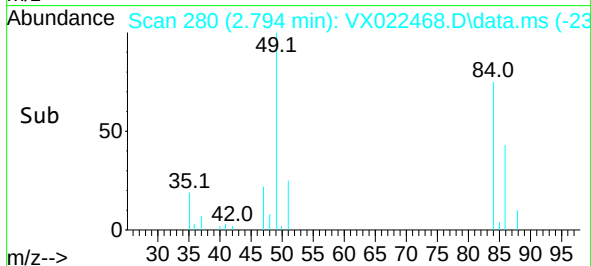
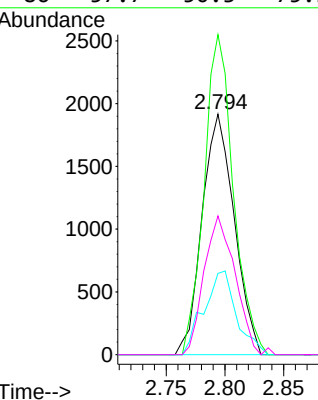
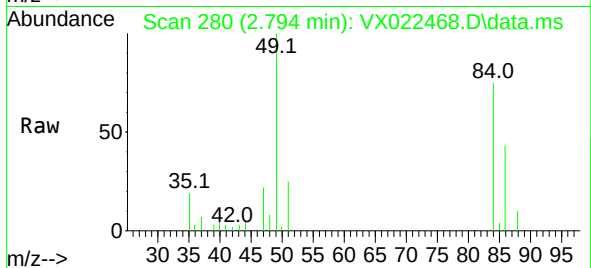
Ion Ratio Lower Upper

84 100

49 133.1 88.6 132.8#

51 33.8 27.0 40.6

86 57.7 50.3 75.5



#22

Diisopropyl ether

Concen: 0.205 ug/l

RT: 3.861 min Scan# 455

Delta R.T. 0.091 min

Lab File: VX022468.D

Acq: 05 Jun 2021 13:47

Tgt Ion: 45 Resp: 508

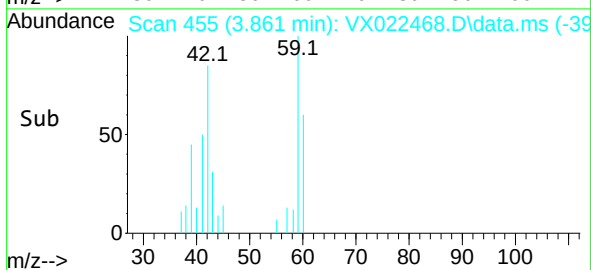
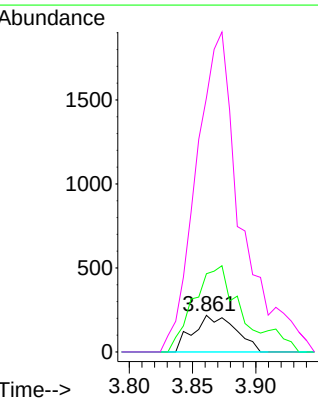
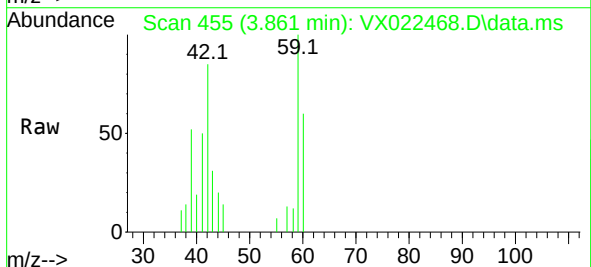
Ion Ratio Lower Upper

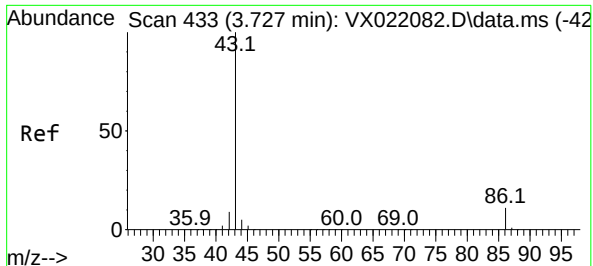
45 100

43 213.8 58.0 87.0#

87 0.0 25.4 38.0#

59 650.5 10.2 15.2#

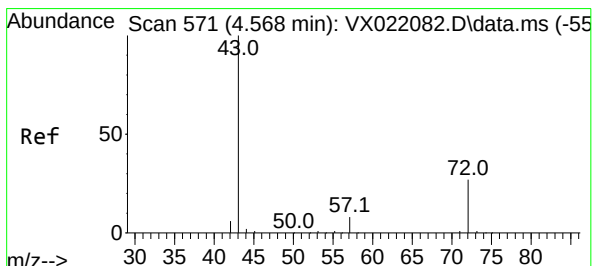
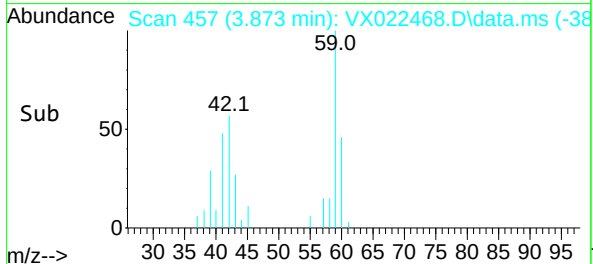
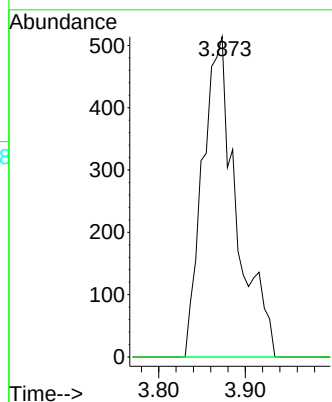
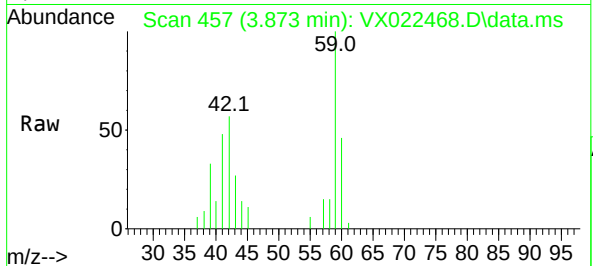




#23
 Vinyl Acetate
 Concen: 0.583 ug/l
 RT: 3.873 min Scan# 457
 Delta R.T. 0.146 min
 Lab File: VX022468.D
 Acq: 05 Jun 2021 13:47

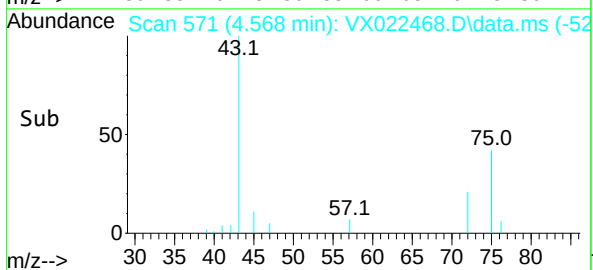
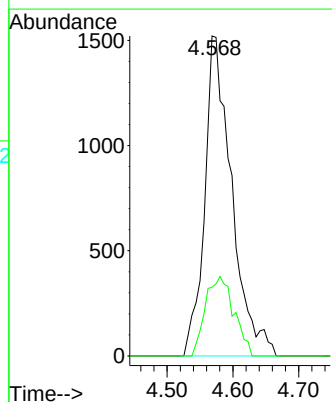
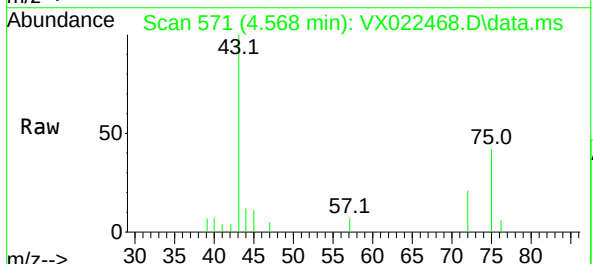
Instrument :
 MSVOA_X
 ClientSampled :

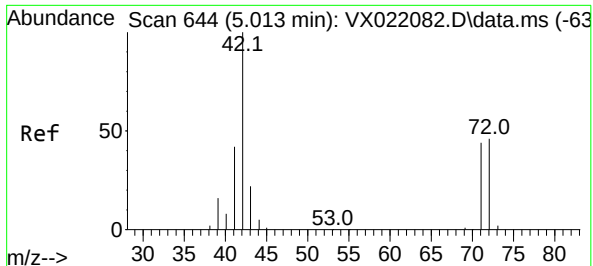
Tgt Ion: 43 Resp: 1390
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.9 14.9#



#25
 2-Butanone
 Concen: 6.538 ug/l
 RT: 4.568 min Scan# 571
 Delta R.T. 0.000 min
 Lab File: VX022468.D
 Acq: 05 Jun 2021 13:47

Tgt Ion: 43 Resp: 4342
 Ion Ratio Lower Upper
 43 100
 72 21.5 23.7 35.5#





#29

Tetrahydrofuran

Concen: 0.256 ug/l

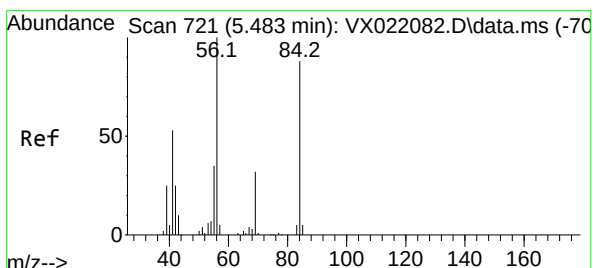
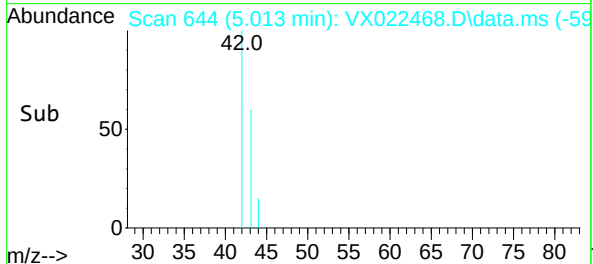
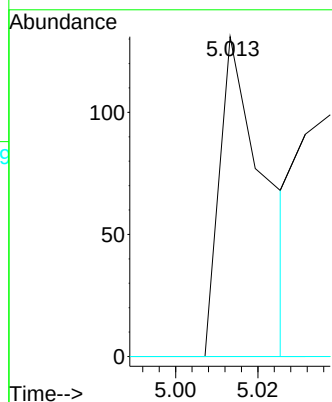
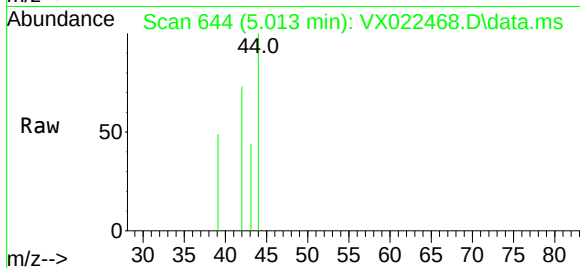
RT: 5.013 min Scan# 644

Delta R.T. 0.000 min

Lab File: VX022468.D

Acq: 05 Jun 2021 13:47

Tgt Ion:	42	Resp:	101
Ion	Ratio	Lower	Upper
42	100		
72	0.0	41.7	62.5#
71	0.0	38.4	57.6#



#31

Cyclohexane

Concen: 1.508 ug/l

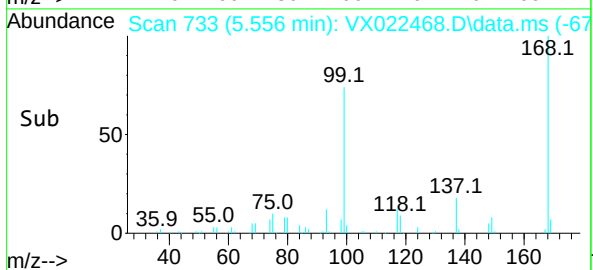
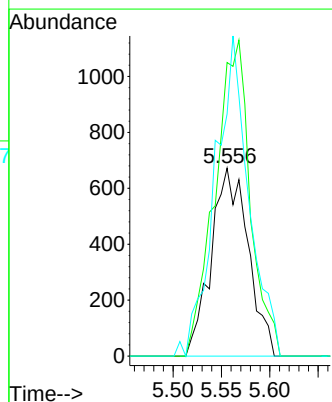
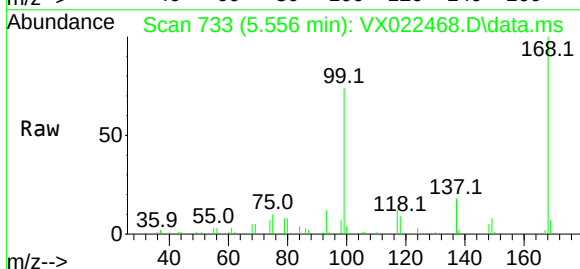
RT: 5.556 min Scan# 733

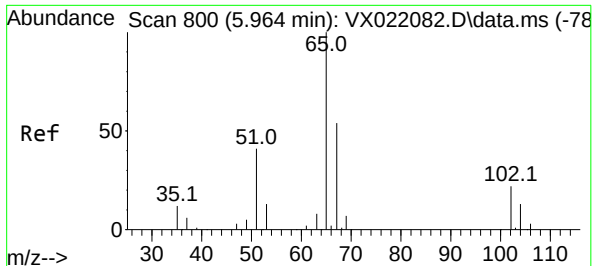
Delta R.T. 0.073 min

Lab File: VX022468.D

Acq: 05 Jun 2021 13:47

Tgt Ion:	56	Resp:	1787
Ion	Ratio	Lower	Upper
56	100		
69	156.3	25.3	37.9#
84	137.2	71.4	107.0#

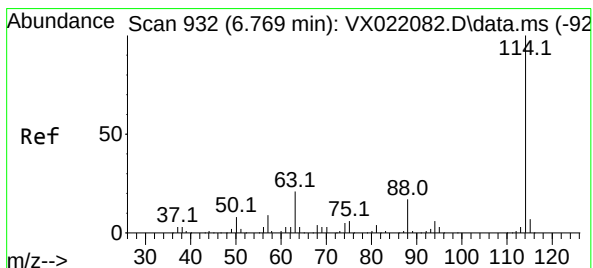
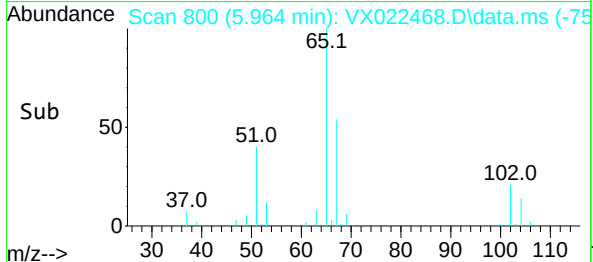
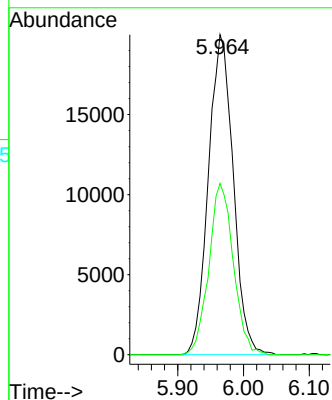
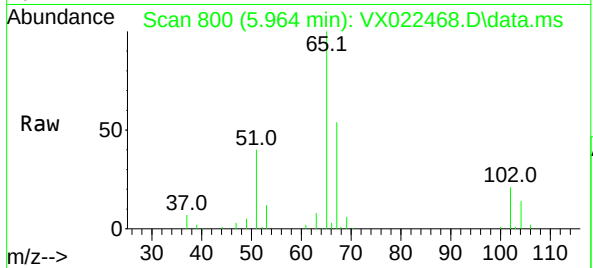




#33
 1,2-Dichloroethane-d4
 Concen: 55.684 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX022468.D
 Acq: 05 Jun 2021 13:47

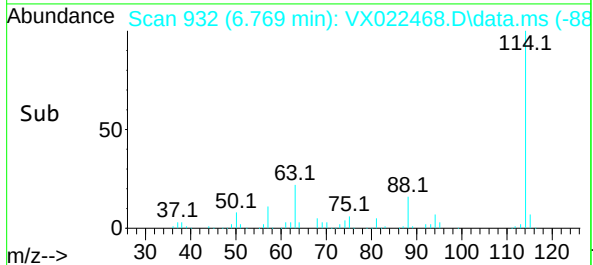
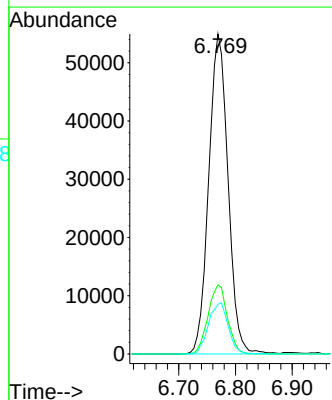
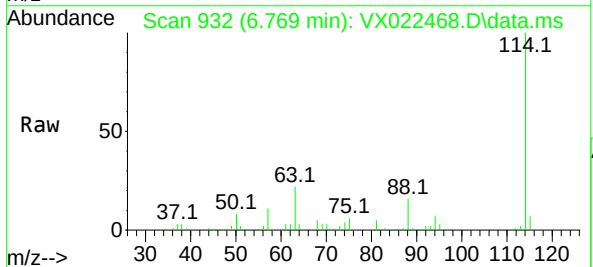
Instrument :
 MSVOA_X
 ClientSampled :

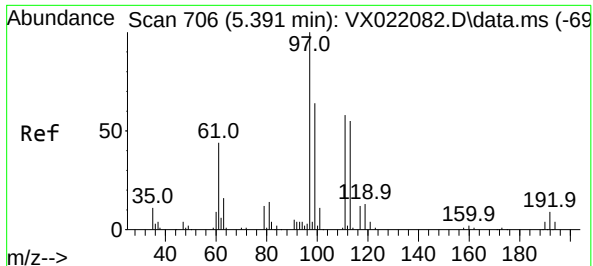
Tgt Ion: 65 Resp: 52495
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX022468.D
 Acq: 05 Jun 2021 13:47

Tgt Ion: 114 Resp: 129817
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 40.8
 88 15.5 0.0 32.8

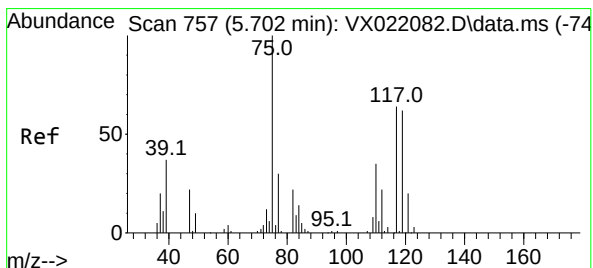
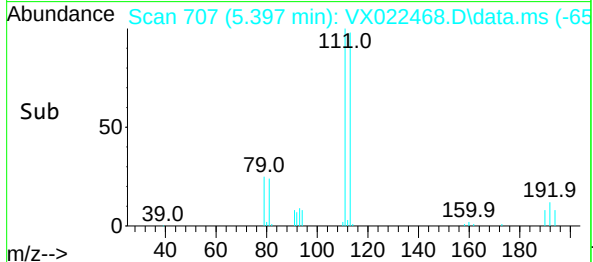
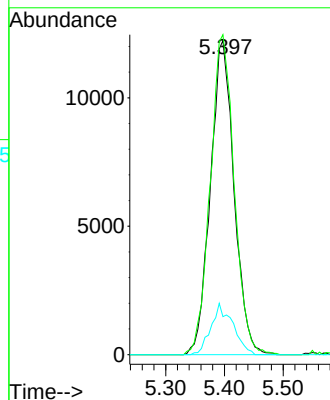
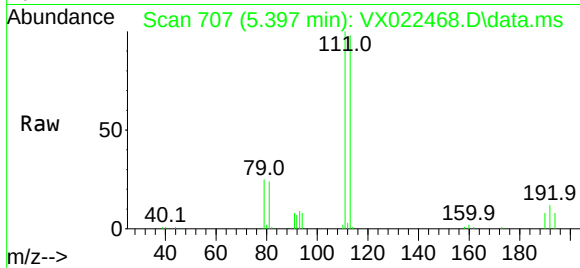




#35
Dibromofluoromethane
Concen: 41.455 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX022468.D
Acq: 05 Jun 2021 13:47

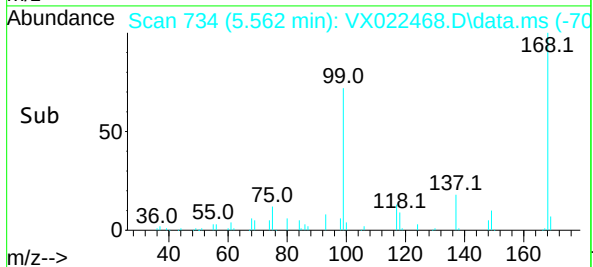
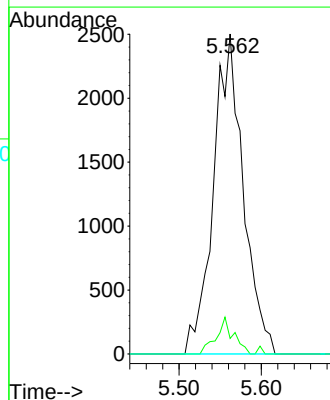
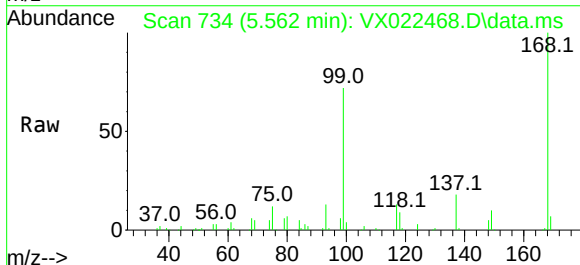
Instrument :
MSVOA_X
ClientSampled :

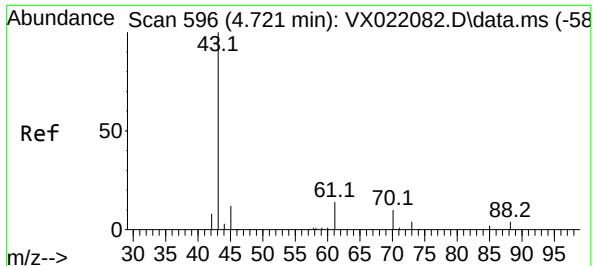
Tgt Ion:113 Resp: 34127
Ion Ratio Lower Upper
113 100
111 103.4 81.9 122.9
192 15.2 16.7 25.1#



#36
1,1-Dichloropropene
Concen: 5.249 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX022468.D
Acq: 05 Jun 2021 13:47

Tgt Ion: 75 Resp: 6301
Ion Ratio Lower Upper
75 100
110 6.6 18.1 54.4#
77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 2.951 ug/l

RT: 4.568 min Scan# 571

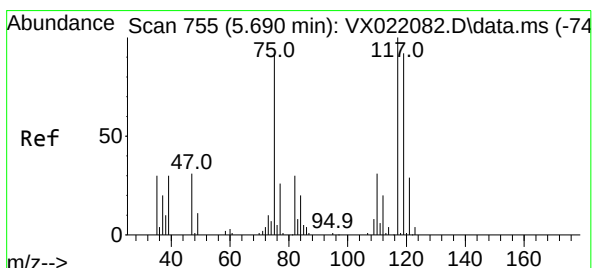
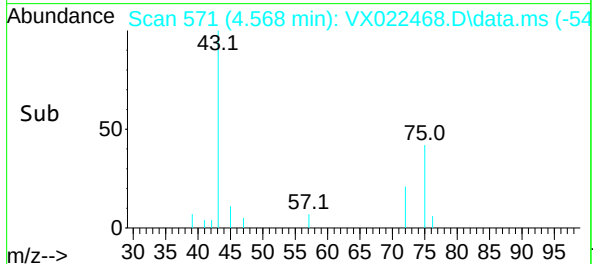
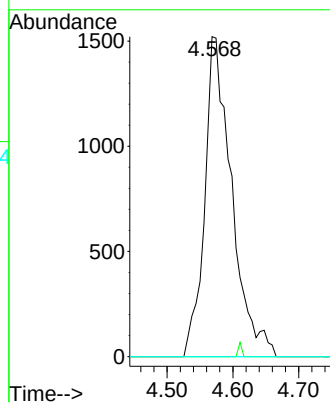
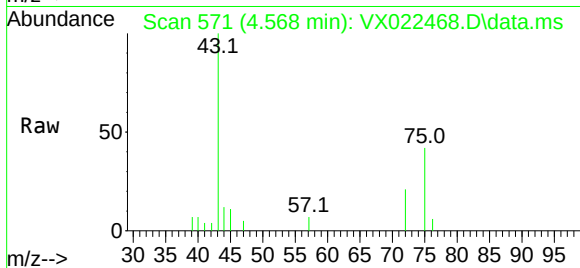
Delta R.T. -0.153 min

Lab File: VX022468.D

Acq: 05 Jun 2021 13:47

Tgt Ion:	43	Resp:	4342
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	0.0	10.5	15.7#

Instrument :
MSVOA_X
ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.091 ug/l

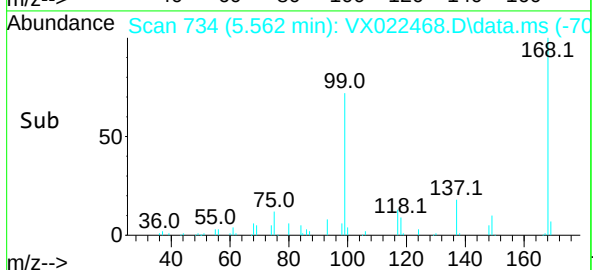
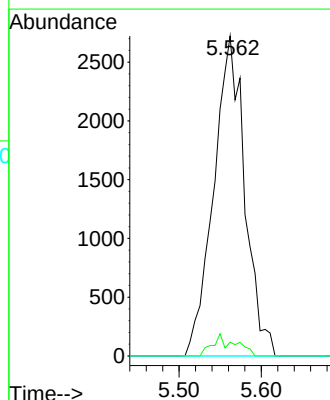
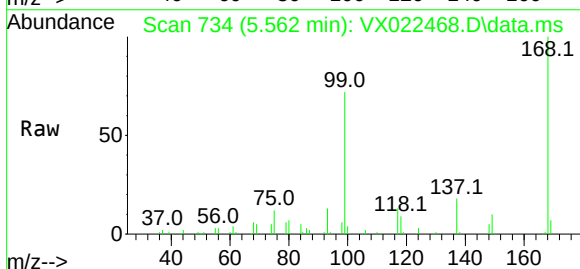
RT: 5.562 min Scan# 734

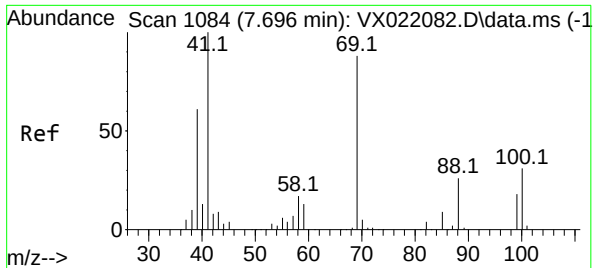
Delta R.T. -0.128 min

Lab File: VX022468.D

Acq: 05 Jun 2021 13:47

Tgt Ion:	117	Resp:	7152
Ion	Ratio	Lower	Upper
117	100		
119	4.3	76.2	114.2#
121	0.0	24.8	37.2#

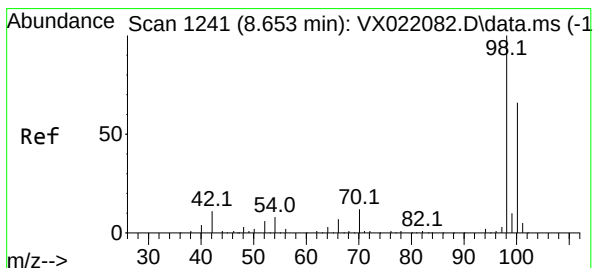
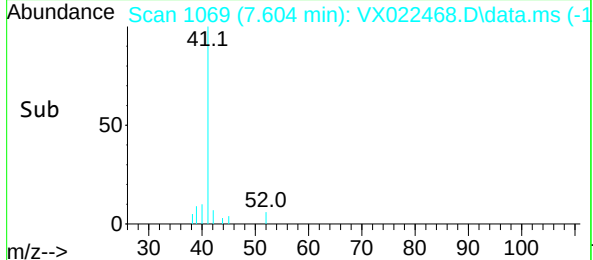
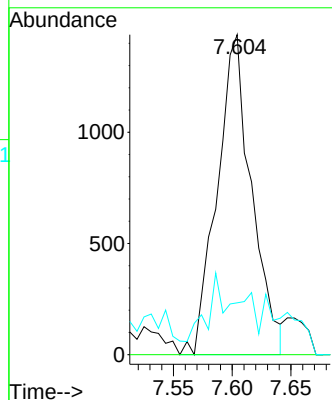
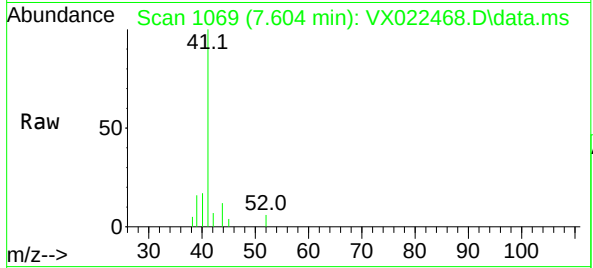




#48
Methyl methacrylate
Concen: 2.653 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX022468.D
Acq: 05 Jun 2021 13:47

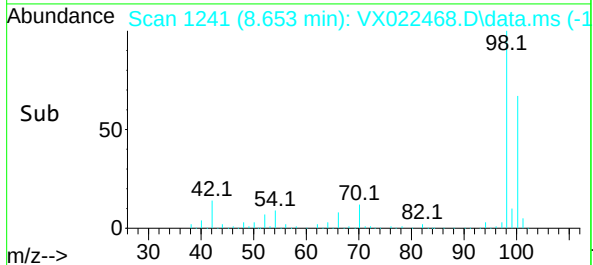
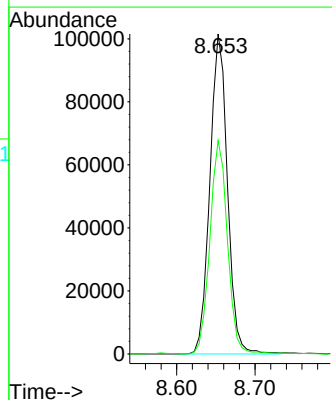
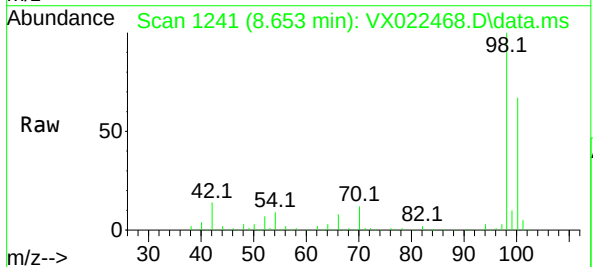
Instrument :
MSVOA_X
ClientSampled :

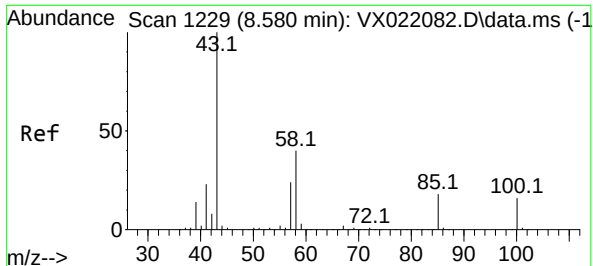
Tgt Ion: 41 Resp: 2943
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 10.7 44.6 67.0#



#50
Toluene-d8
Concen: 49.755 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022468.D
Acq: 05 Jun 2021 13:47

Tgt Ion: 98 Resp: 157783
Ion Ratio Lower Upper
98 100
100 67.1 51.9 77.9

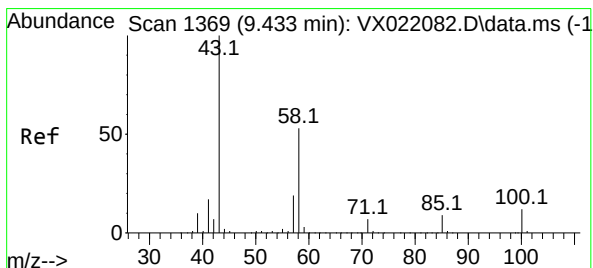
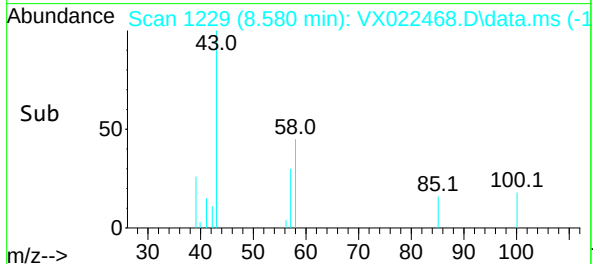
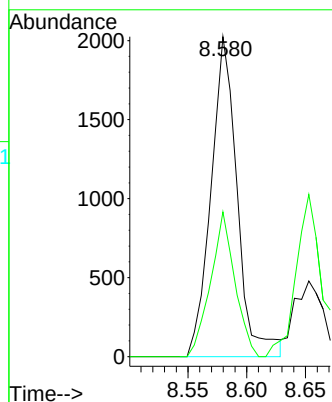
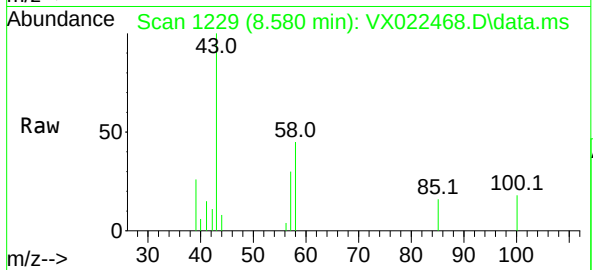




#51
4-Methyl-2-Pentanone
Concen: 2.179 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VX022468.D
Acq: 05 Jun 2021 13:47

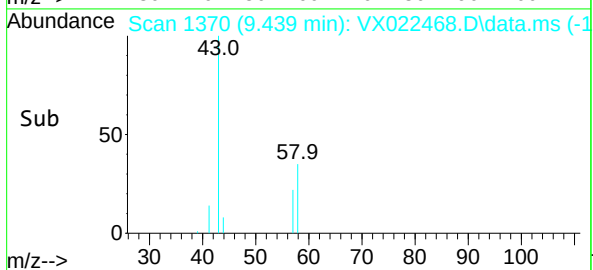
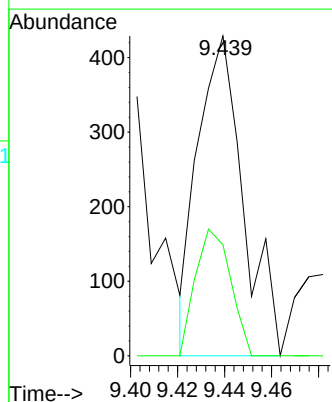
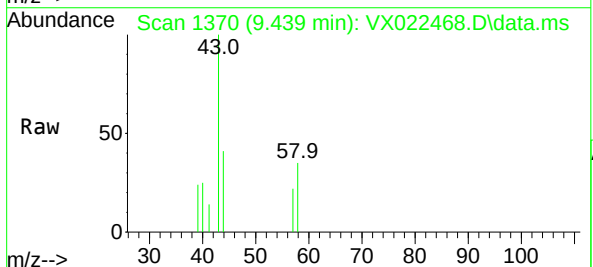
Instrument :
MSVOA_X
ClientSampled :

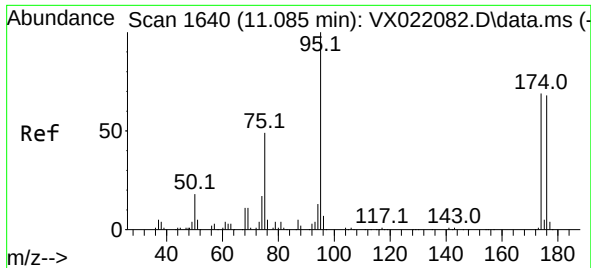
Tgt Ion: 43 Resp: 3141
Ion Ratio Lower Upper
43 100
58 41.8 35.4 53.0



#59
2-Hexanone
Concen: 0.531 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VX022468.D
Acq: 05 Jun 2021 13:47

Tgt Ion: 43 Resp: 576
Ion Ratio Lower Upper
43 100
58 30.7 30.9 92.8#

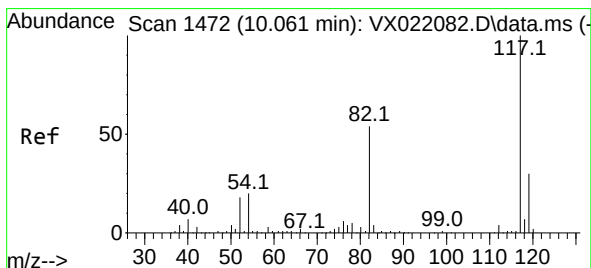
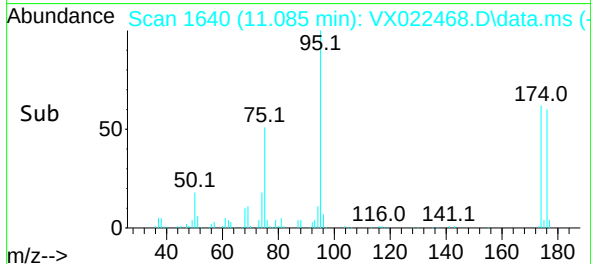
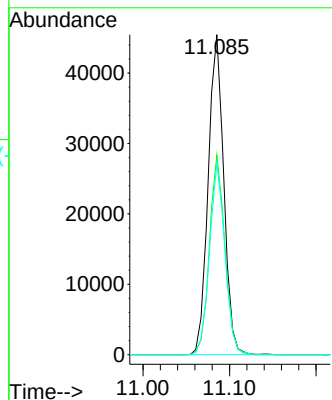
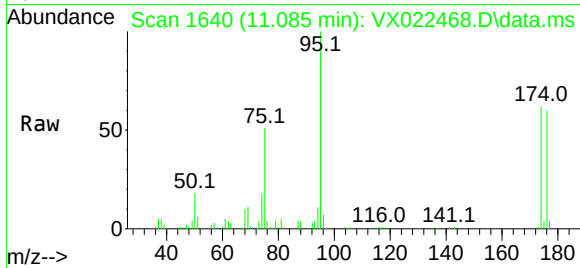




#62
4-Bromofluorobenzene
Concen: 48.449 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022468.D
Acq: 05 Jun 2021 13:47

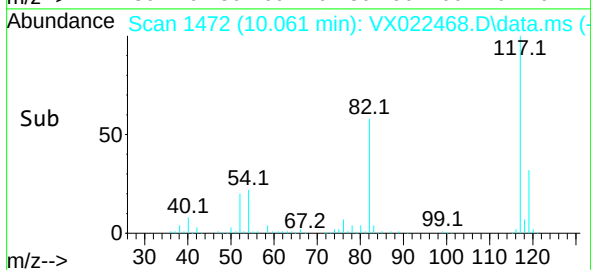
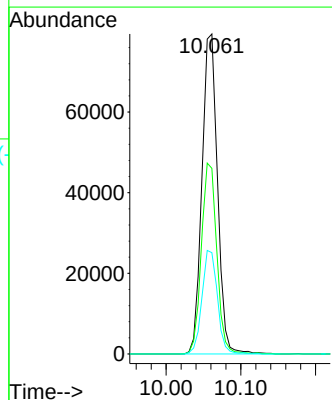
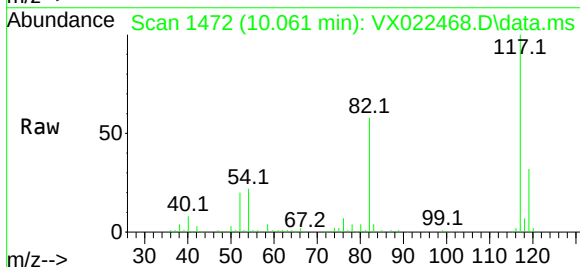
Instrument :
MSVOA_X
ClientSampled :

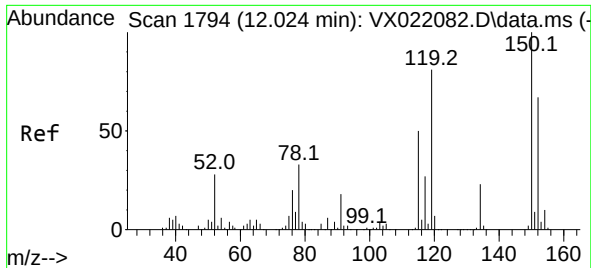
Tgt Ion: 95 Resp: 56789
Ion Ratio Lower Upper
95 100
174 61.7 0.0 154.6
176 59.1 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX022468.D
Acq: 05 Jun 2021 13:47

Tgt Ion: 117 Resp: 114562
Ion Ratio Lower Upper
117 100
82 58.0 47.4 71.2
119 31.6 26.6 39.8

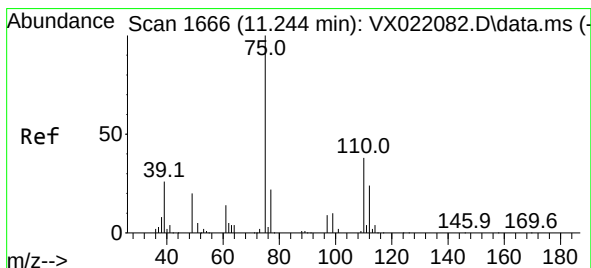
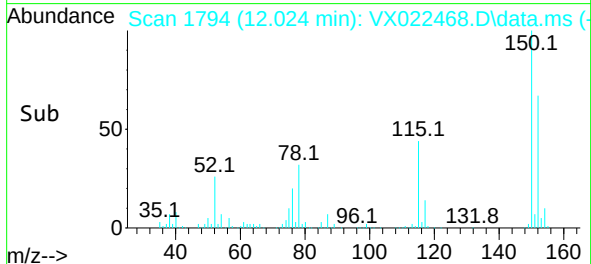
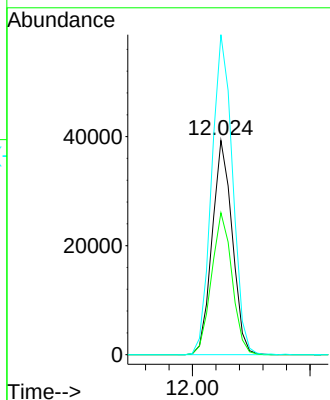
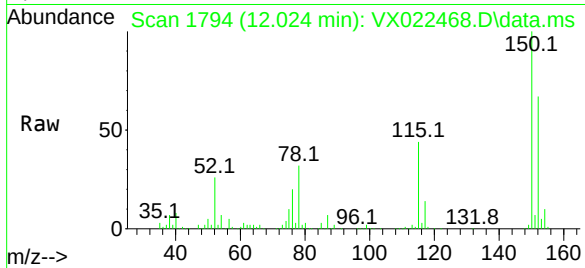




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX022468.D
 Acq: 05 Jun 2021 13:47

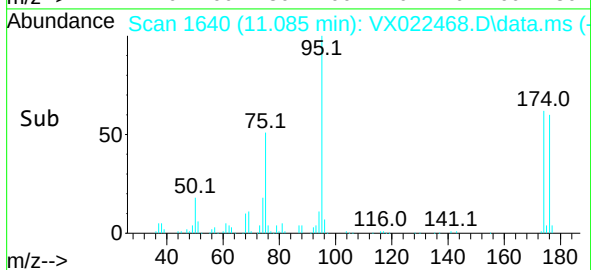
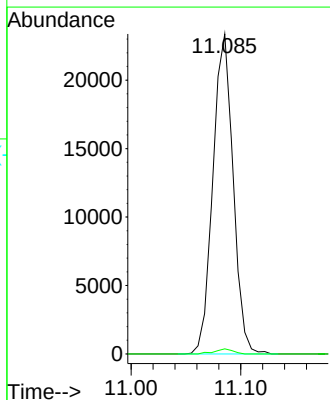
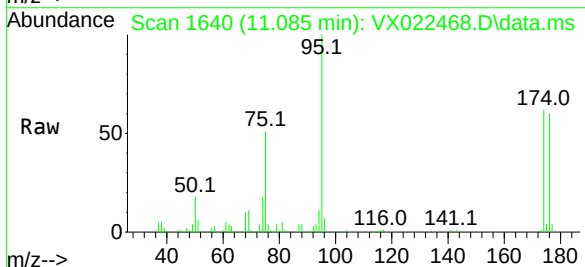
Instrument :
 MSVOA_X
 ClientSampled :

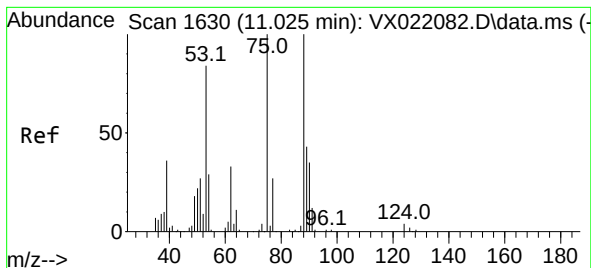
Tgt Ion:152 Resp: 46711
 Ion Ratio Lower Upper
 152 100
 115 67.7 41.1 123.3
 150 155.5 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 26.047 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX022468.D
 Acq: 05 Jun 2021 13:47

Tgt Ion: 75 Resp: 30016
 Ion Ratio Lower Upper
 75 100
 77 1.5 19.1 57.5#

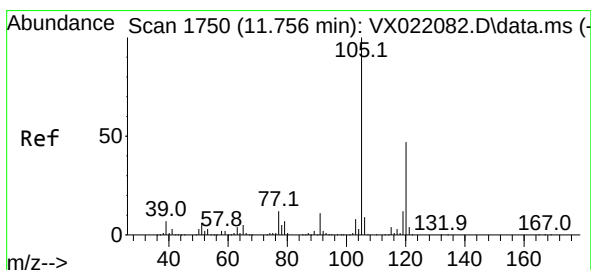
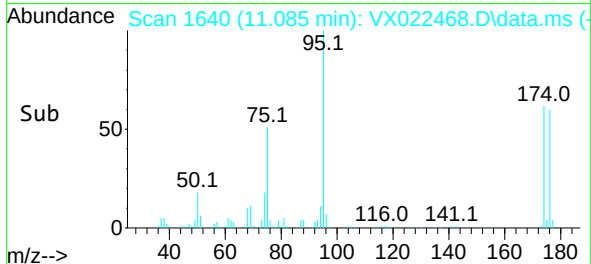
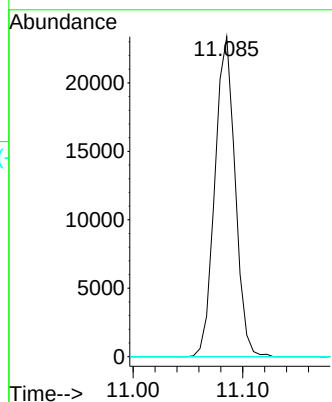
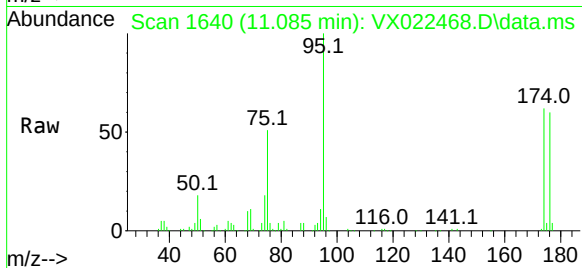




#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.715 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.060 min
 Lab File: VX022468.D
 Acq: 05 Jun 2021 13:47

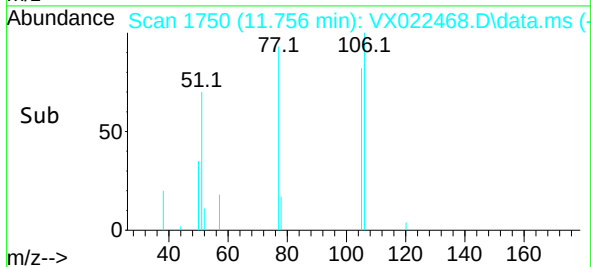
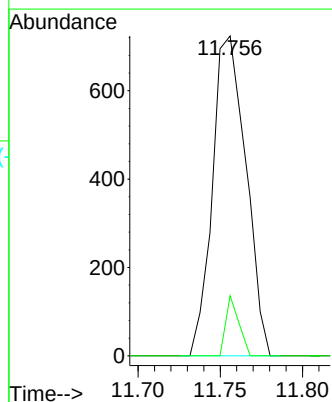
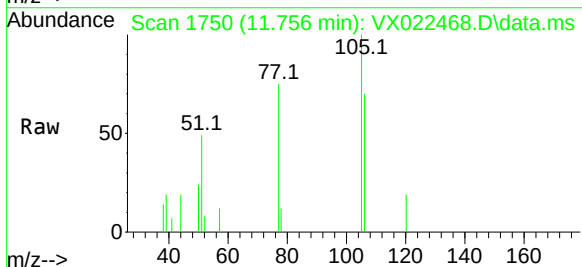
Instrument :
 MSVOA_X
 ClientSampled :

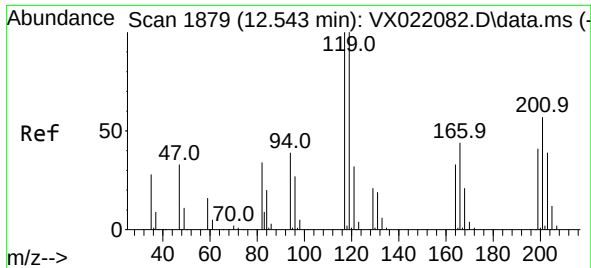
Tgt Ion: 75 Resp: 30016
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.310 ug/l
 RT: 11.756 min Scan# 1750
 Delta R.T. -0.000 min
 Lab File: VX022468.D
 Acq: 05 Jun 2021 13:47

Tgt Ion: 105 Resp: 1024
 Ion Ratio Lower Upper
 105 100
 120 7.2 22.4 67.3#

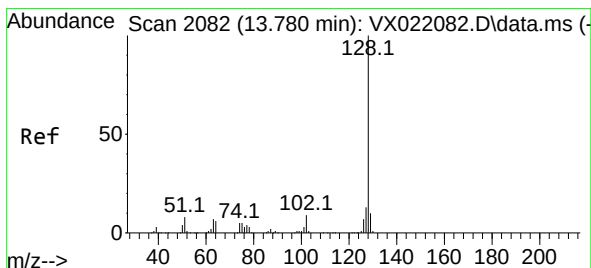
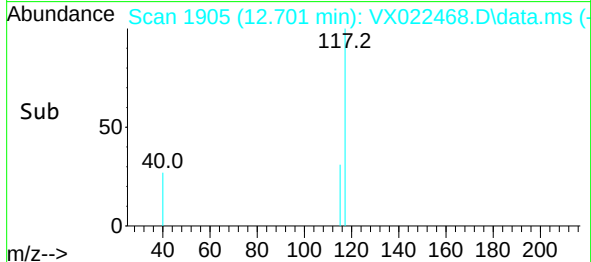
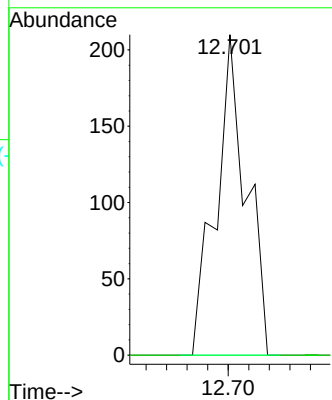
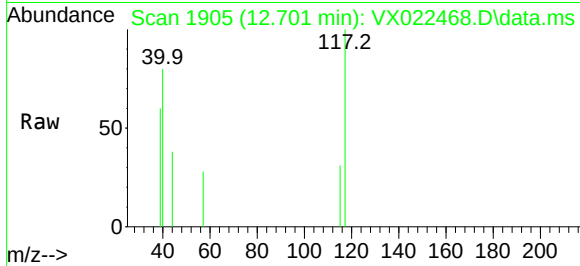




#90
Hexachloroethane
Concen: 0.387 ug/l
RT: 12.701 min Scan# 1905
Delta R.T. 0.158 min
Lab File: VX022468.D
Acq: 05 Jun 2021 13:47

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:117 Resp: 216
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#



#95
Naphthalene
Concen: 2.961 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX022468.D
Acq: 05 Jun 2021 13:47

Tgt Ion:128 Resp: 10818
Ion Ratio Lower Upper
128 100
127 13.4 10.3 15.5
129 12.5 8.8 13.2

