

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100521\
 Data File : VX024574.D
 Acq On : 05 Oct 2021 16:26
 Operator : JC/MD
 Sample : M3989-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2R

Quant Time: Oct 06 06:49:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 23 18:24:34 2021
 Response via : Initial Calibration

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

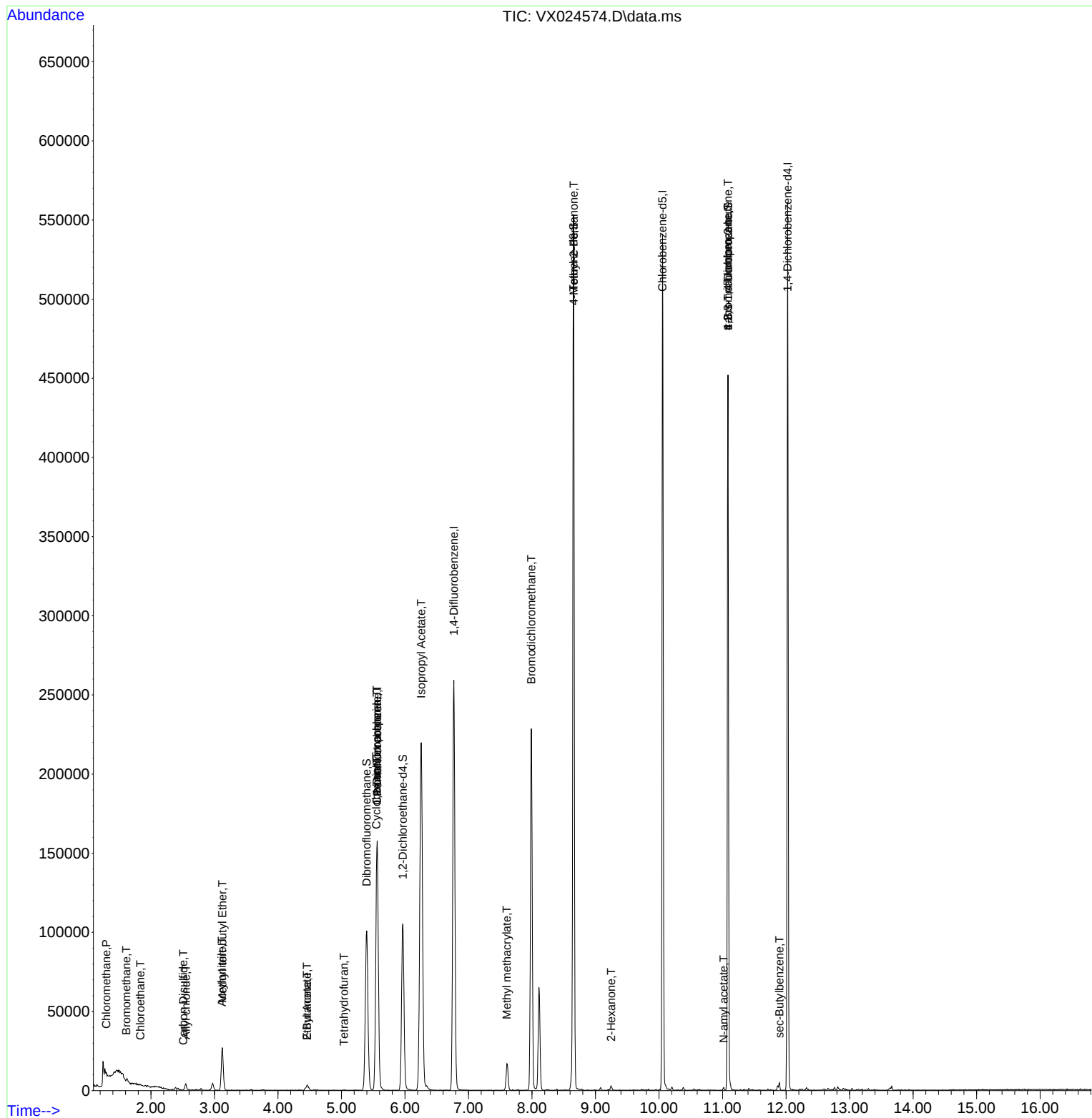
Internal Standards						
1) Pentafluorobenzene	5.562	168	146995	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	264024	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	236112	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	113012	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	107419	51.850	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.700%	
35) Dibromofluoromethane	5.397	113	87801	50.058	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.120%	
50) Toluene-d8	8.653	98	327035	50.659	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.320%	
62) 4-Bromofluorobenzene	11.085	95	119443	47.058	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 94.120%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	728	0.522	ug/l	91
5) Bromomethane	1.611	94	259	0.264	ug/l #	37
6) Chloroethane	1.831	64	496	0.766	ug/l #	43
11) Tert butyl alcohol	2.971	59	4830	Below Cal		99
14) Allyl chloride	2.550	41	552	0.224	ug/l #	62
15) Acrylonitrile	3.117	53	363	0.386	ug/l #	16
16) Acetone	2.386	43	1685	Below Cal	#	77
17) Carbon Disulfide	2.508	76	645	0.413	ug/l #	75
19) Methyl tert-butyl Ether	3.123	73	28078	5.529	ug/l	98
20) Methylene Chloride	2.788	84	378	Below Cal	#	80
25) 2-Butanone	4.458	43	1607	1.126	ug/l #	45
29) Tetrahydrofuran	5.038	42	184	0.202	ug/l #	27
31) Cyclohexane	5.550	56	2922	1.178	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	11333	4.478	ug/l #	50
37) Ethyl Acetate	4.458	43	1112	0.352	ug/l #	64
38) Carbon Tetrachloride	5.556	117	15161	5.503	ug/l #	17
43) Isopropyl Acetate	6.257	43	52117	10.848	ug/l #	57
47) Bromodichloromethane	7.988	83	1777	0.692	ug/l #	25
48) Methyl methacrylate	7.604	41	5066	2.130	ug/l #	26
51) 4-Methyl-2-Pentanone	8.659	43	2550	0.804	ug/l #	1
59) 2-Hexanone	9.244	43	1763	0.706	ug/l	63
74) N-amyl acetate	11.018	43	977	0.266	ug/l #	41
76) 1,2,3-Trichloropropane	11.085	75	60635	23.626	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	60635	64.534	ug/l #	12
85) sec-Butylbenzene	11.896	105	2621	0.311	ug/l	96

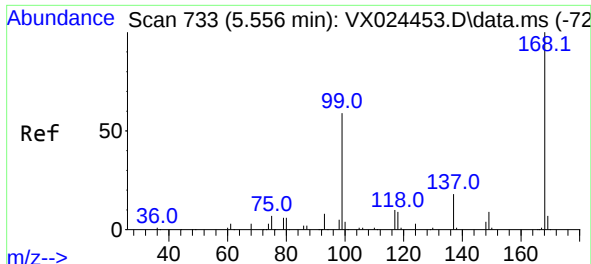
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
Quant Title : SW846 8260
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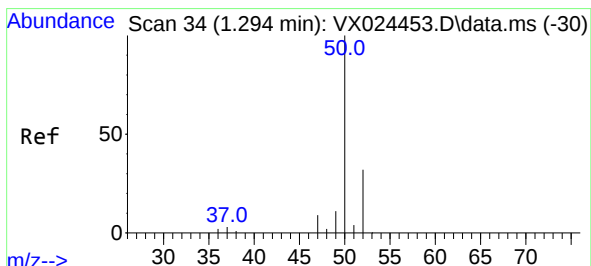
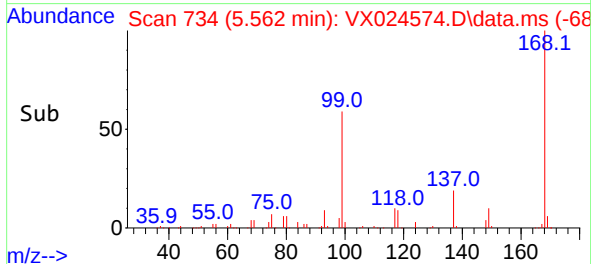
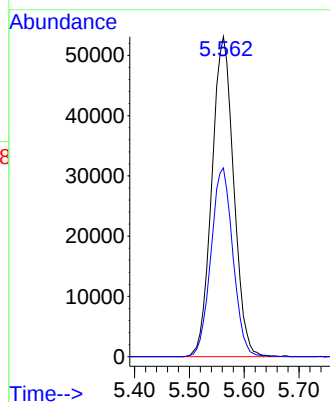
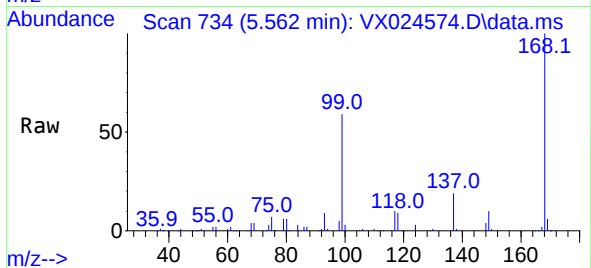




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024574.D
Acq: 05 Oct 2021 16:26

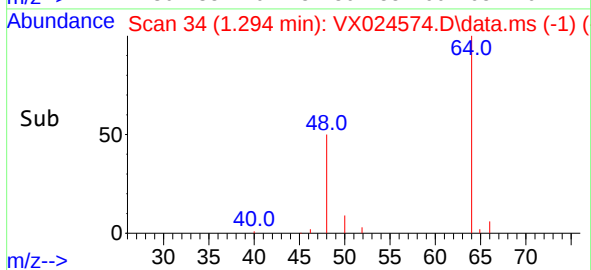
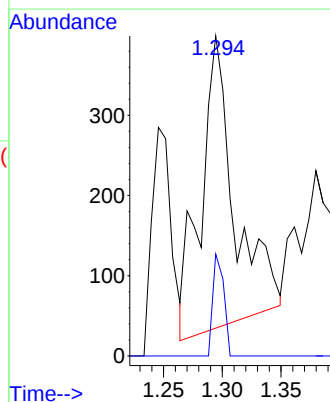
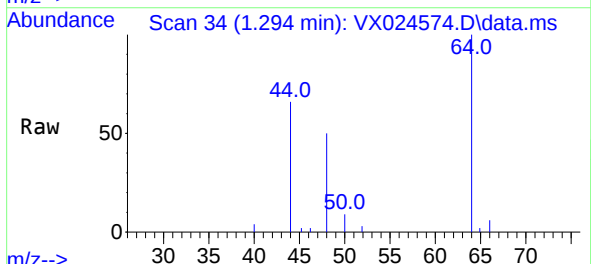
Instrument :
MSVOA_X
ClientSampleId :
MW-2R

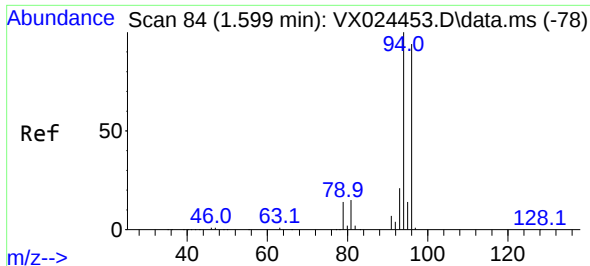
Tgt Ion:168 Resp: 146995
Ion Ratio Lower Upper
168 100
99 59.0 45.8 68.6



#3
Chloromethane
Concen: 0.522 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX024574.D
Acq: 05 Oct 2021 16:26

Tgt Ion: 50 Resp: 728
Ion Ratio Lower Upper
50 100
52 38.1 26.4 39.6

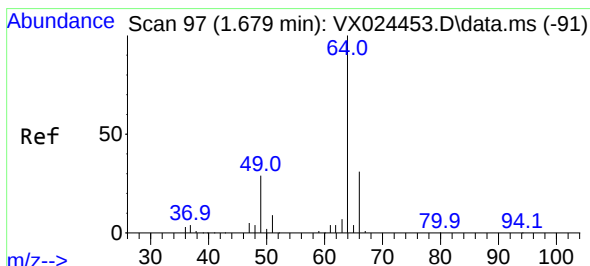
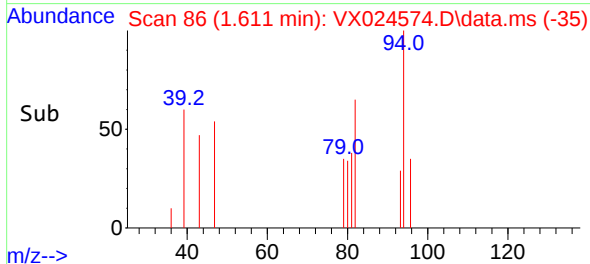
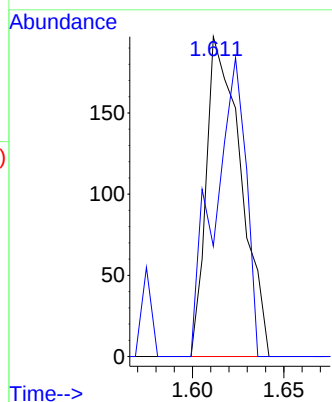
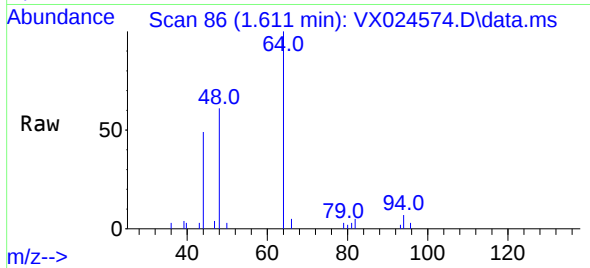




#5
Bromomethane
Concen: 0.264 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX024574.D
Acq: 05 Oct 2021 16:26

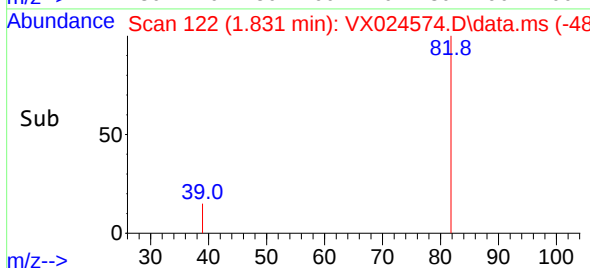
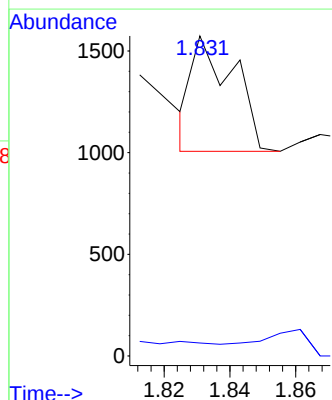
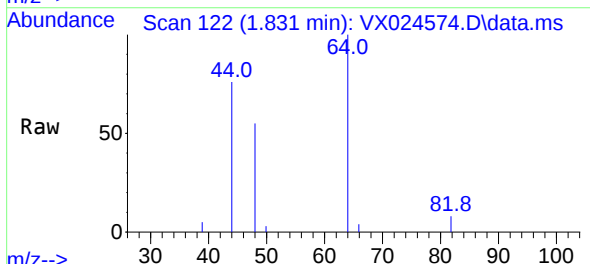
Instrument :
MSVOA_X
ClientSampled :
MW-2R

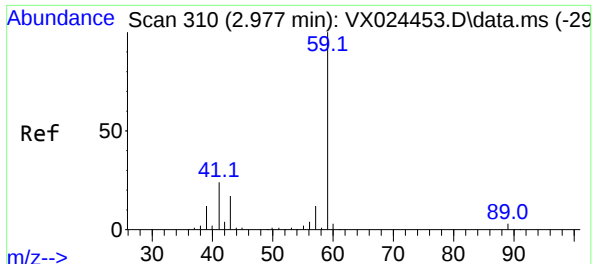
Tgt Ion: 94 Resp: 259
Ion Ratio Lower Upper
94 100
96 34.5 76.4 114.6#



#6
Chloroethane
Concen: 0.766 ug/l
RT: 1.831 min Scan# 122
Delta R.T. 0.152 min
Lab File: VX024574.D
Acq: 05 Oct 2021 16:26

Tgt Ion: 64 Resp: 496
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



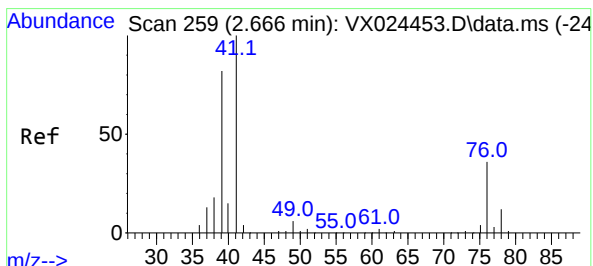
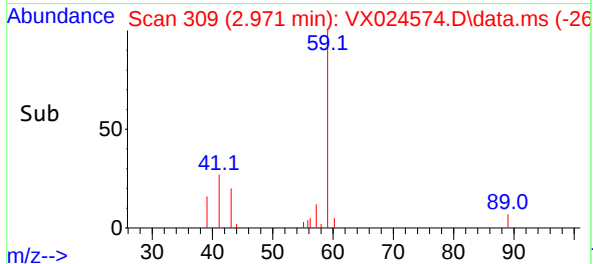
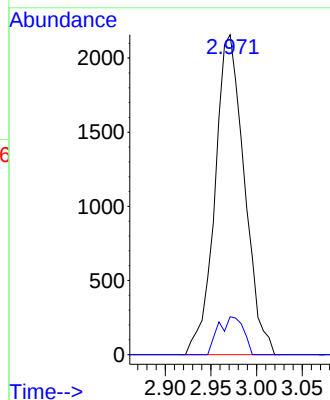
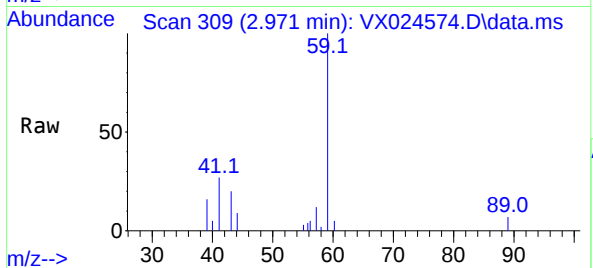


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX024574.D
Acq: 05 Oct 2021 16:26

Instrument :
MSVOA_X
ClientSampled :
MW-2R

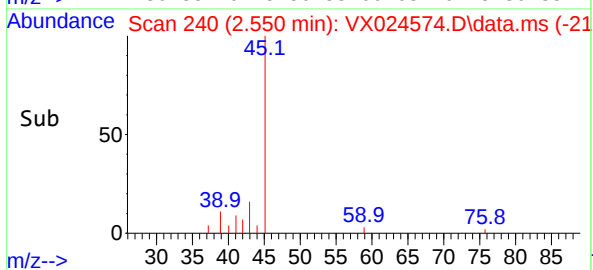
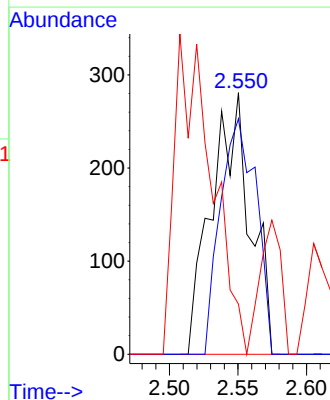
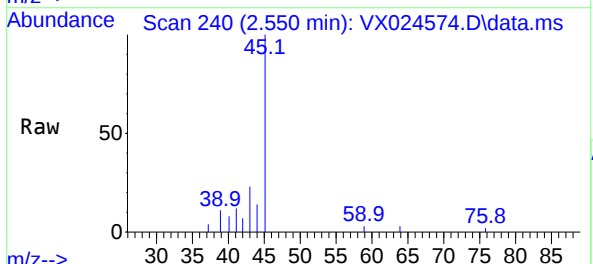
Tgt Ion: 59 Resp: 4830
Ion Ratio Lower Upper
59 100
57 10.0 7.8 11.8

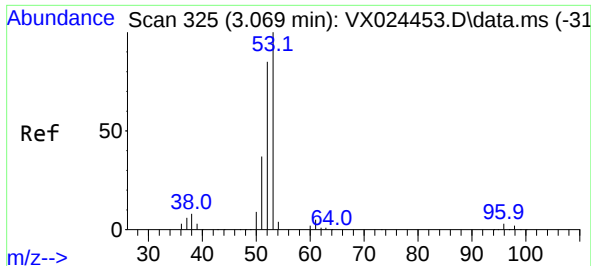


#14

Allyl chloride
Concen: 0.224 ug/l
RT: 2.550 min Scan# 240
Delta R.T. -0.116 min
Lab File: VX024574.D
Acq: 05 Oct 2021 16:26

Tgt Ion: 41 Resp: 552
Ion Ratio Lower Upper
41 100
39 83.2 51.6 77.4#
76 0.0 30.5 45.7#

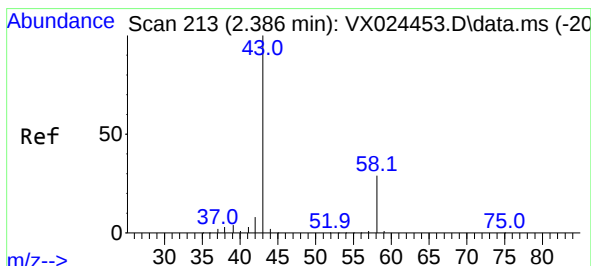
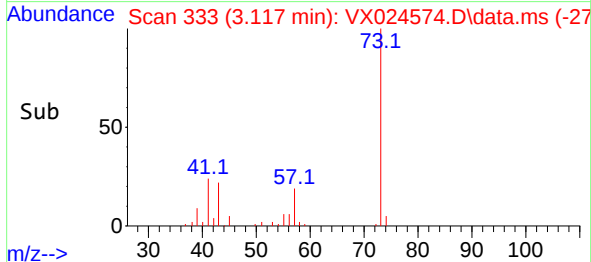
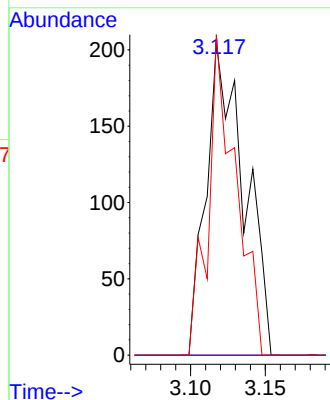
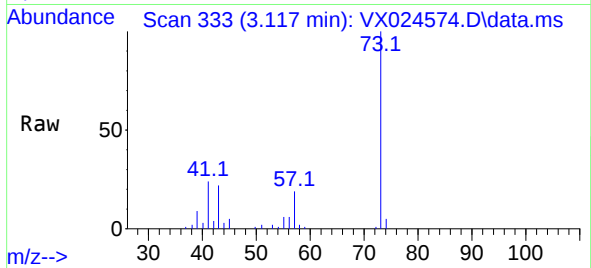




#15
Acrylonitrile
Concen: 0.386 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.048 min
Lab File: VX024574.D
Acq: 05 Oct 2021 16:26

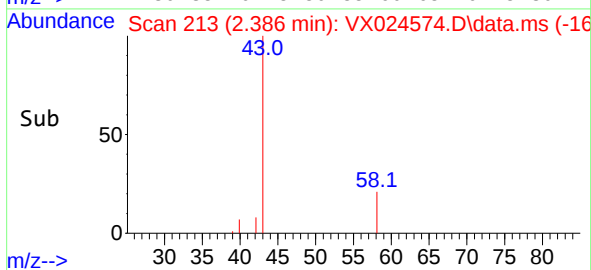
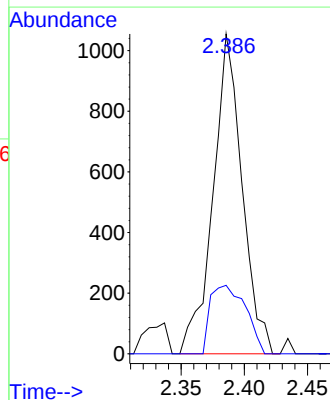
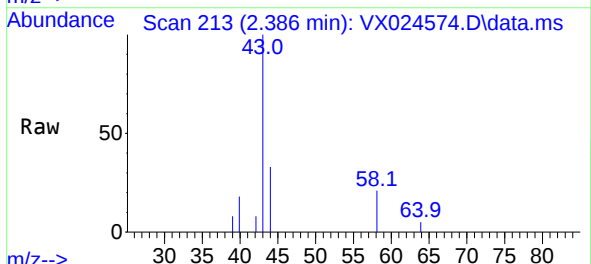
Instrument :
MSVOA_X
ClientSampled :
MW-2R

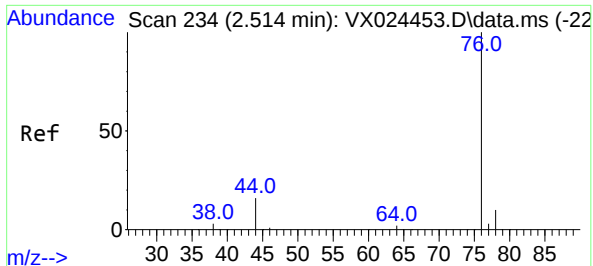
Tgt Ion: 53 Resp: 363
Ion Ratio Lower Upper
53 100
52 0.0 65.3 97.9#
51 74.4 28.2 42.2#



#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024574.D
Acq: 05 Oct 2021 16:26

Tgt Ion: 43 Resp: 1685
Ion Ratio Lower Upper
43 100
58 21.4 27.8 41.8#

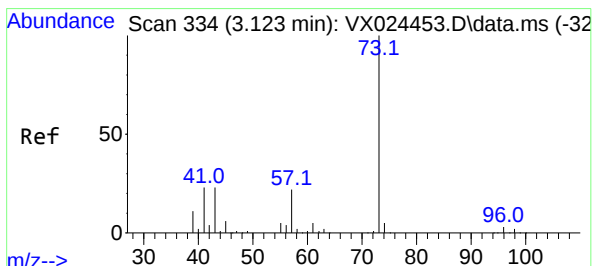
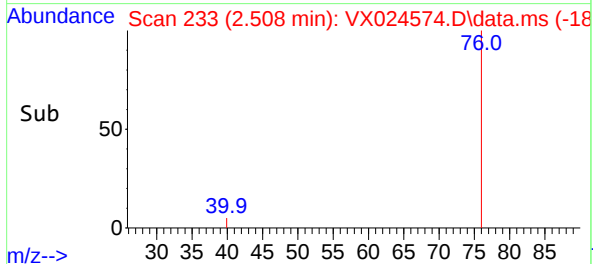
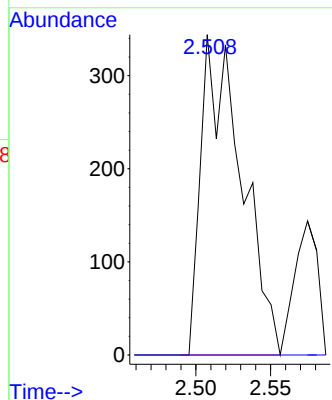
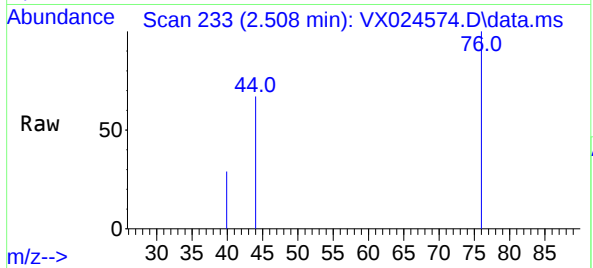




#17
Carbon Disulfide
Concen: 0.413 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX024574.D
Acq: 05 Oct 2021 16:26

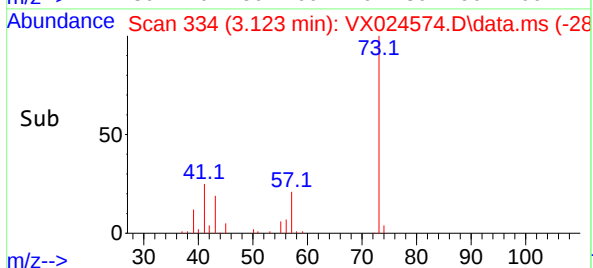
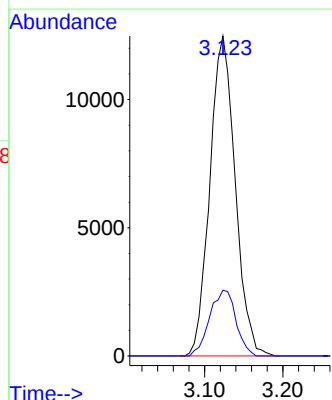
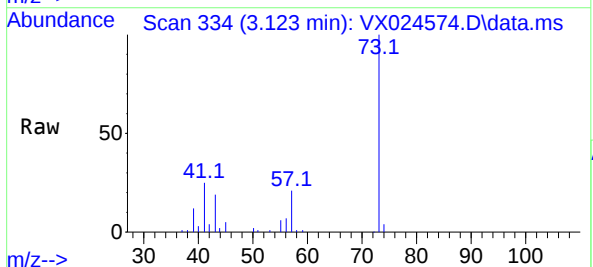
Instrument :
MSVOA_X
ClientSampleId :
MW-2R

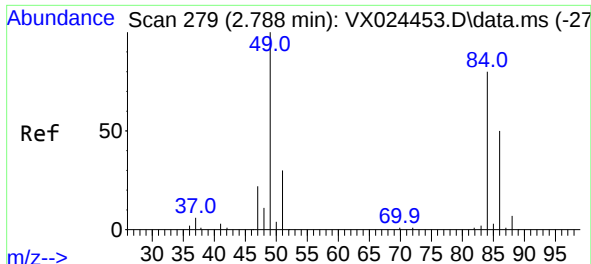
Tgt Ion: 76 Resp: 645
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#19
Methyl tert-butyl Ether
Concen: 5.529 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.000 min
Lab File: VX024574.D
Acq: 05 Oct 2021 16:26

Tgt Ion: 73 Resp: 28078
Ion Ratio Lower Upper
73 100
57 20.6 17.1 25.7





#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX024574.D

Acq: 05 Oct 2021 16:26

Instrument :

MSVOA_X

ClientSampleId :

MW-2R

Tgt Ion: 84 Resp: 378

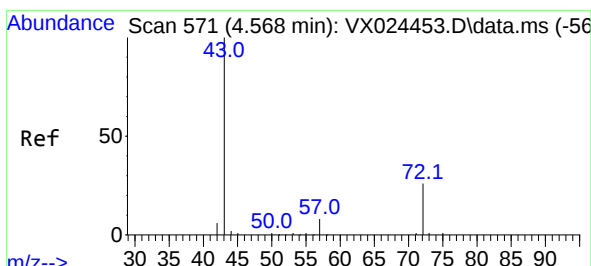
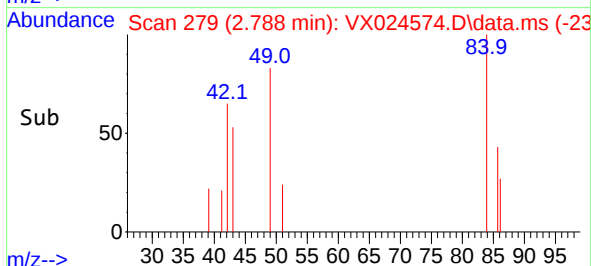
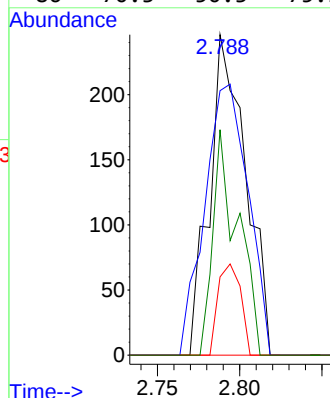
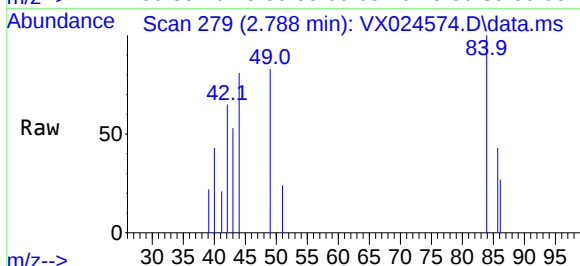
Ion Ratio Lower Upper

84 100

49 82.5 88.6 132.8#

51 24.4 27.0 40.6#

86 70.3 50.3 75.5



#25

2-Butanone

Concen: 1.126 ug/l

RT: 4.458 min Scan# 553

Delta R.T. -0.110 min

Lab File: VX024574.D

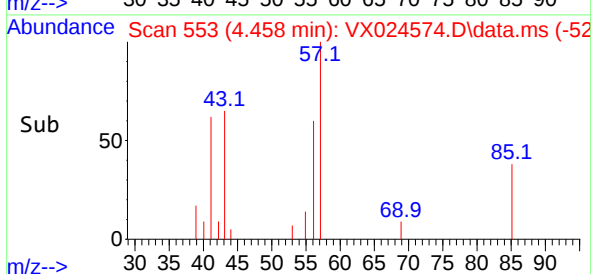
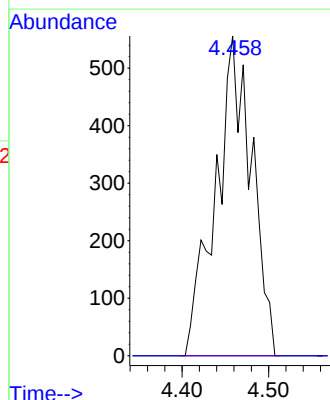
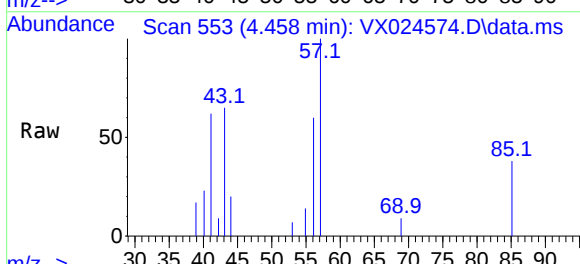
Acq: 05 Oct 2021 16:26

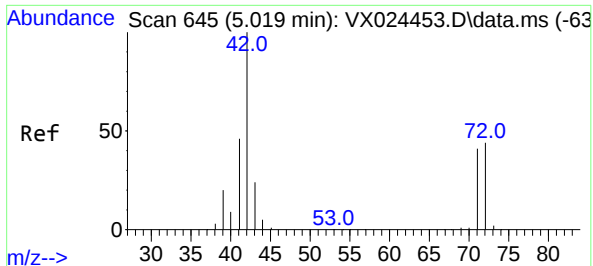
Tgt Ion: 43 Resp: 1607

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#





#29

Tetrahydrofuran

Concen: 0.202 ug/l

RT: 5.038 min Scan# 648

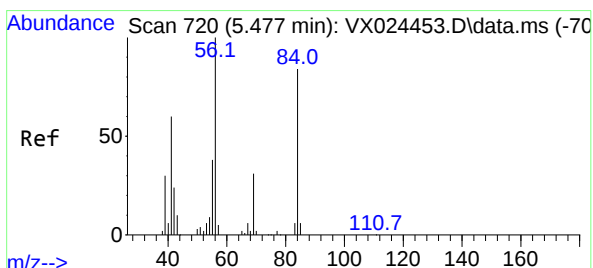
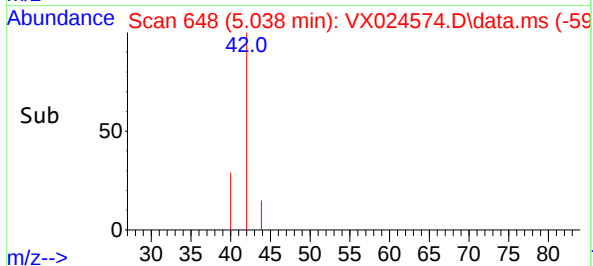
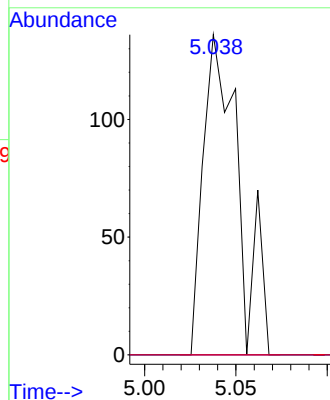
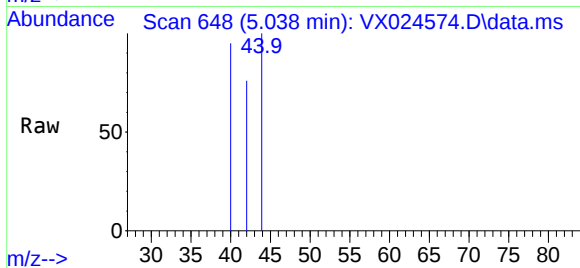
Delta R.T. 0.019 min

Lab File: VX024574.D

Acq: 05 Oct 2021 16:26

Tgt Ion:	42	Resp:	184
Ion	Ratio	Lower	Upper
42	100		
72	0.0	41.7	62.5#
71	0.0	38.4	57.6#

Instrument :
MSVOA_X
ClientSampleId :
MW-2R



#31

Cyclohexane

Concen: 1.178 ug/l

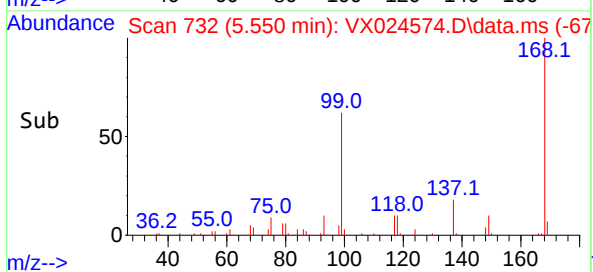
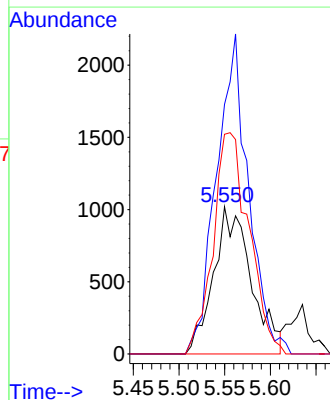
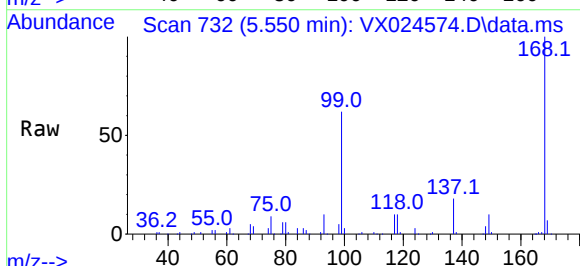
RT: 5.550 min Scan# 732

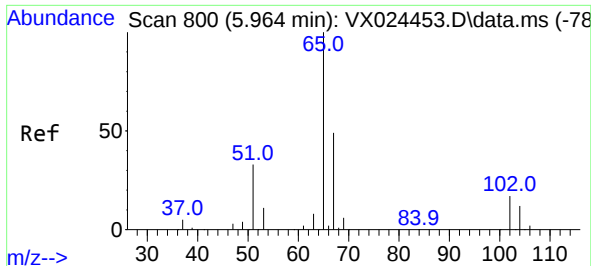
Delta R.T. 0.073 min

Lab File: VX024574.D

Acq: 05 Oct 2021 16:26

Tgt Ion:	56	Resp:	2922
Ion	Ratio	Lower	Upper
56	100		
69	169.5	25.3	37.9#
84	149.1	71.4	107.0#



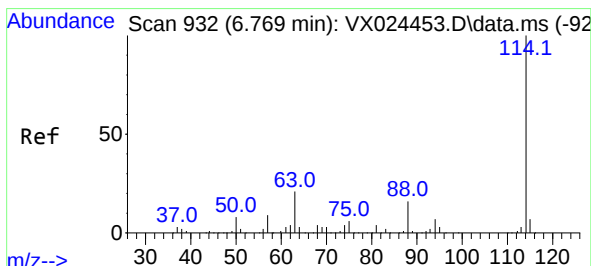
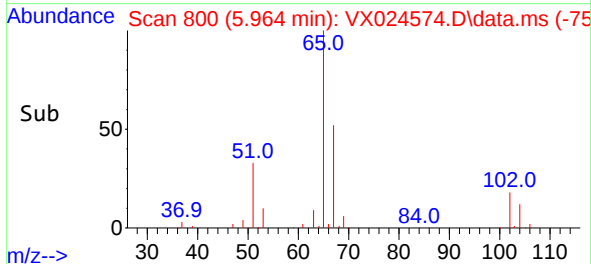
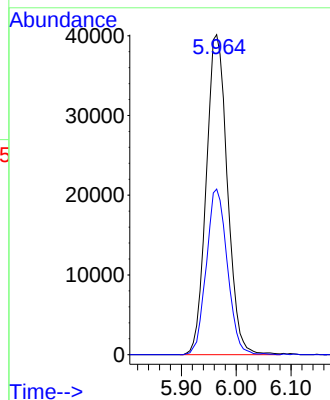
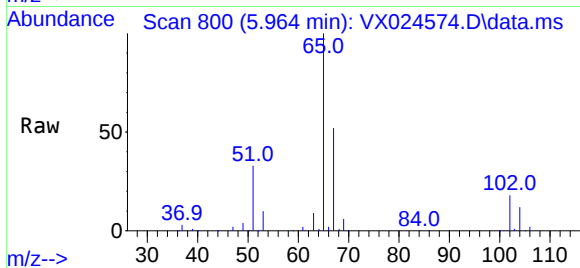


#33

1,2-Dichloroethane-d4
Concen: 51.850 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024574.D
Acq: 05 Oct 2021 16:26

Instrument :
MSVOA_X
ClientSampled :
MW-2R

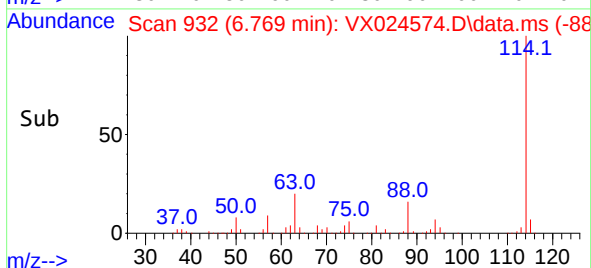
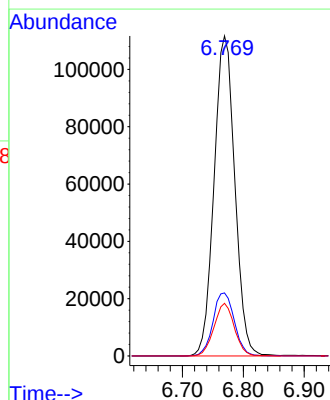
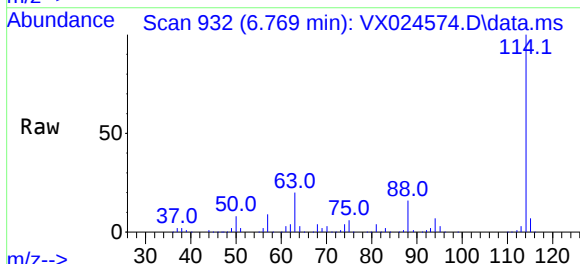
Tgt Ion: 65 Resp: 107419
Ion Ratio Lower Upper
65 100
67 51.5 0.0 105.4

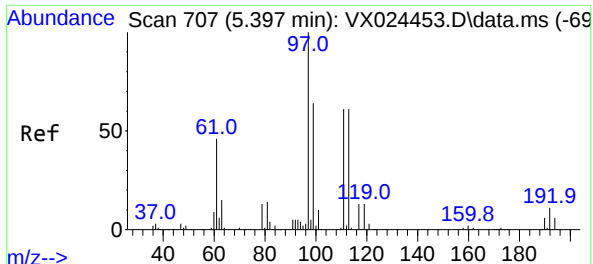


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024574.D
Acq: 05 Oct 2021 16:26

Tgt Ion: 114 Resp: 264024
Ion Ratio Lower Upper
114 100
63 19.7 0.0 40.8
88 16.5 0.0 32.8



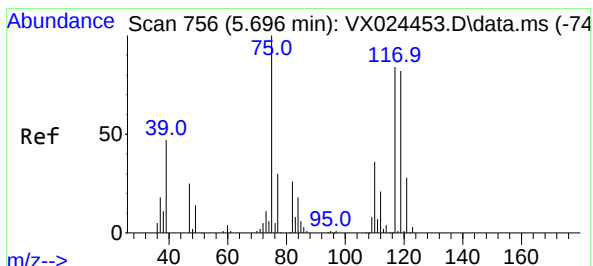
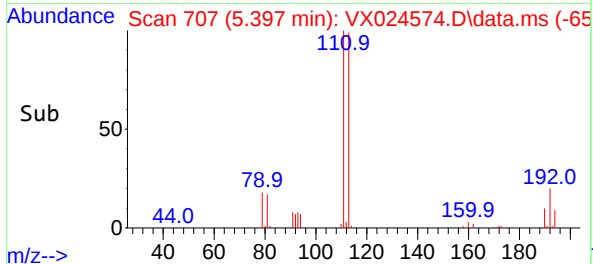
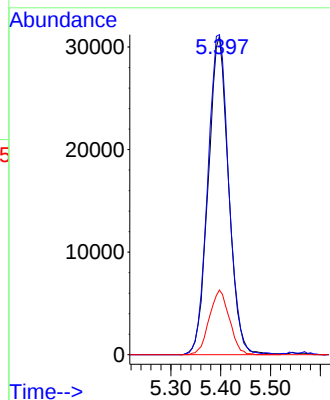
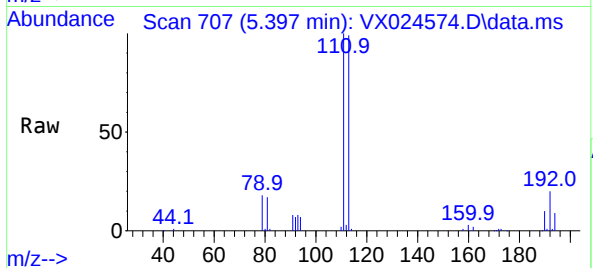


#35
Dibromofluoromethane
Concen: 50.058 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024574.D
Acq: 05 Oct 2021 16:26

Instrument :
MSVOA_X
ClientSampleId :
MW-2R

Tgt Ion:113 Resp: 87801

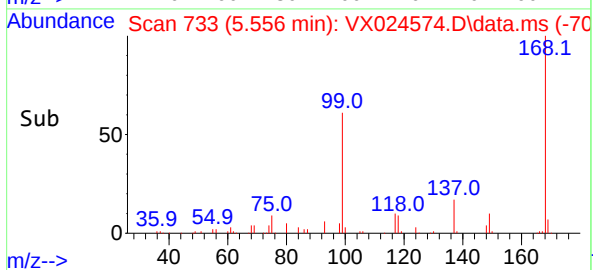
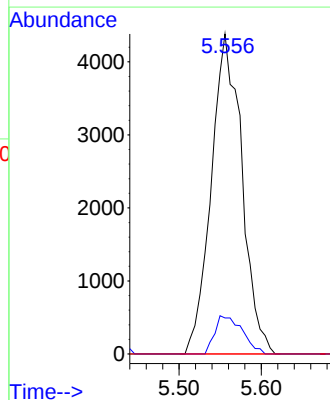
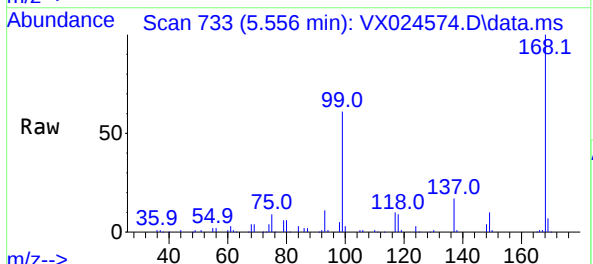
Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.9	122.9
192	20.1	16.7	25.1

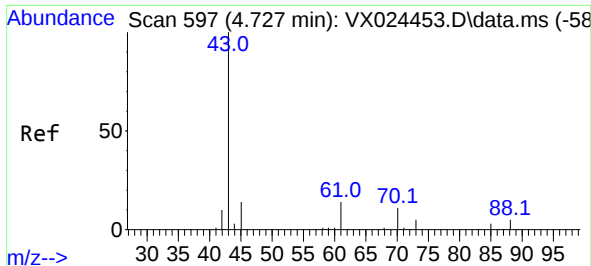


#36
1,1-Dichloropropene
Concen: 4.478 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX024574.D
Acq: 05 Oct 2021 16:26

Tgt Ion: 75 Resp: 11333

Ion	Ratio	Lower	Upper
75	100		
110	10.7	18.1	54.4#
77	0.0	25.3	37.9#





#37

Ethyl Acetate

Concen: 0.352 ug/l

RT: 4.458 min Scan# 553

Delta R.T. -0.269 min

Lab File: VX024574.D

Acq: 05 Oct 2021 16:26

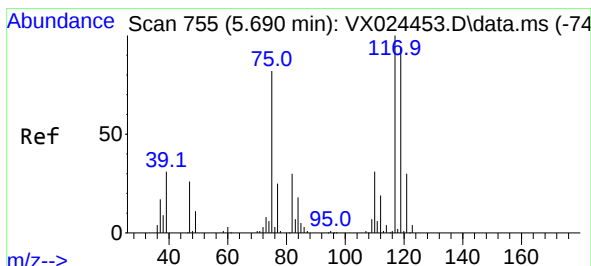
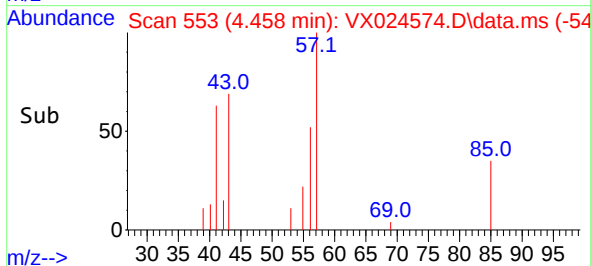
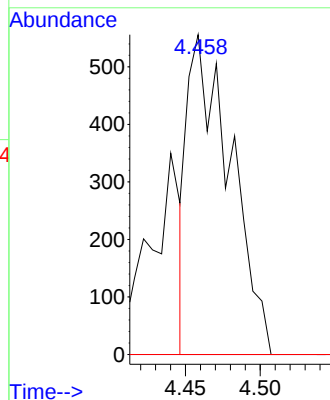
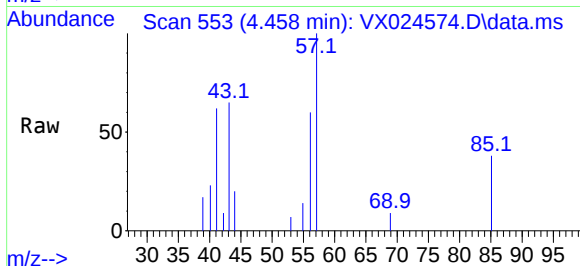
Instrument :

MSVOA_X

ClientSampleId :

MW-2R

Tgt Ion:	43	Resp:	1112
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	0.0	10.5	15.7#



#38

Carbon Tetrachloride

Concen: 5.503 ug/l

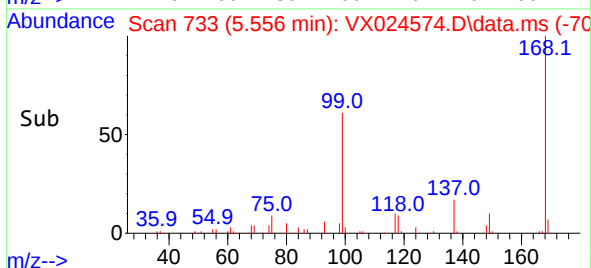
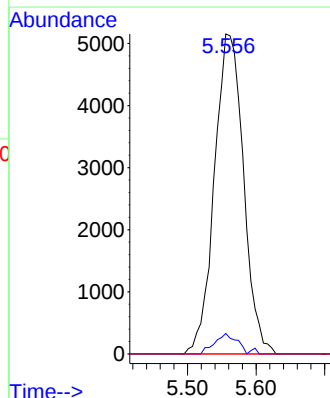
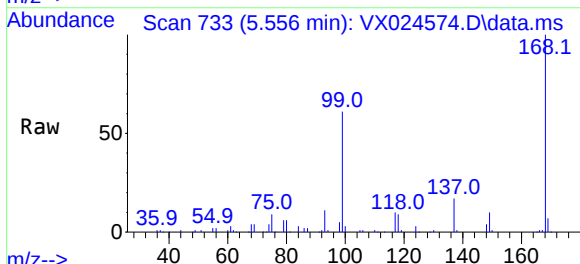
RT: 5.556 min Scan# 733

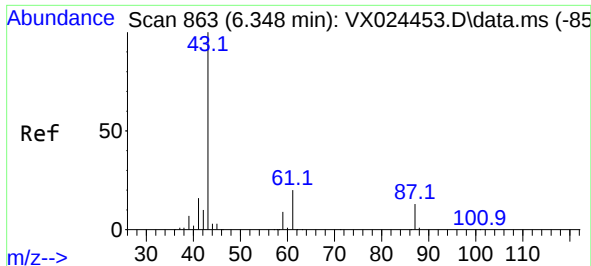
Delta R.T. -0.134 min

Lab File: VX024574.D

Acq: 05 Oct 2021 16:26

Tgt Ion:	117	Resp:	15161
Ion	Ratio	Lower	Upper
117	100		
119	6.4	76.2	114.2#
121	0.0	24.8	37.2#

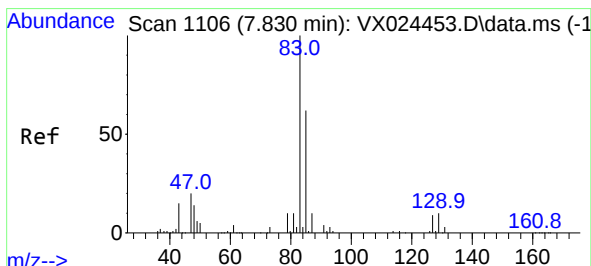
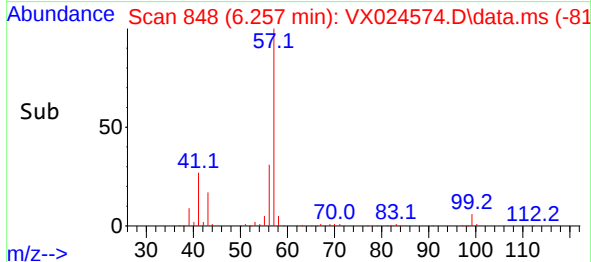
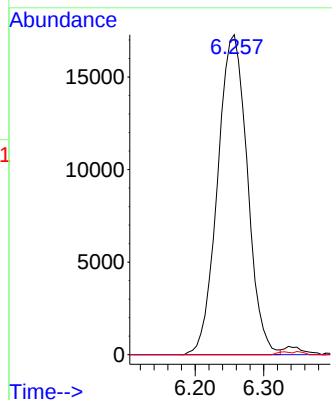
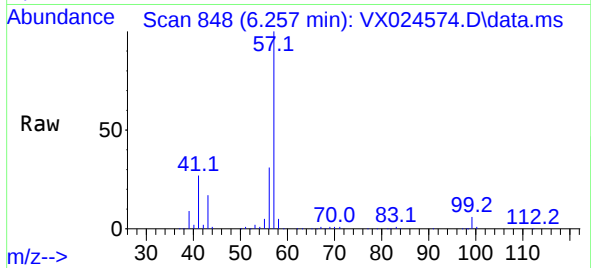




#43
Isopropyl Acetate
Concen: 10.848 ug/l
RT: 6.257 min Scan# 848
Delta R.T. -0.091 min
Lab File: VX024574.D
Acq: 05 Oct 2021 16:26

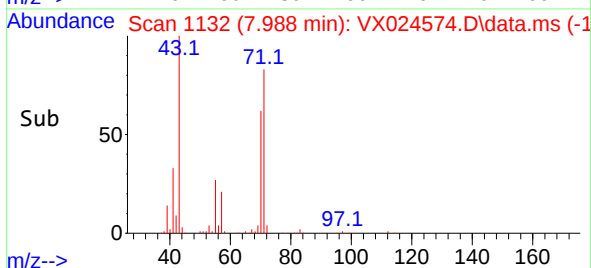
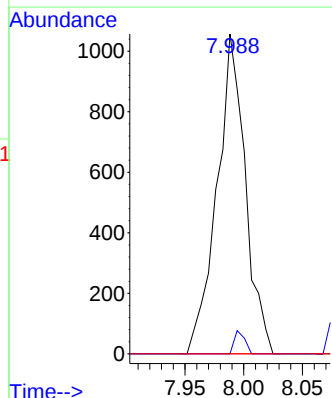
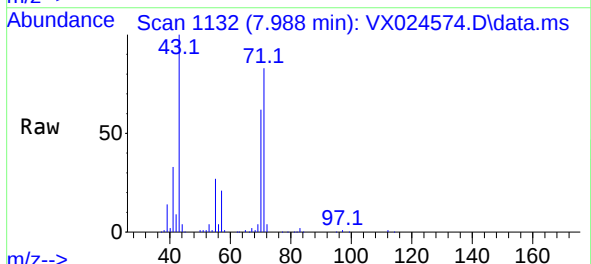
Instrument :
MSVOA_X
ClientSampleId :
MW-2R

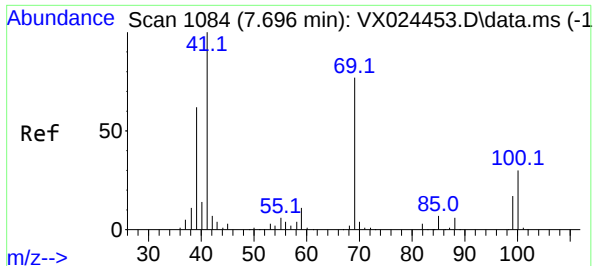
Tgt Ion: 43 Resp: 52117
Ion Ratio Lower Upper
43 100
61 0.0 18.2 27.4#
87 0.0 12.5 18.7#



#47
Bromodichloromethane
Concen: 0.692 ug/l
RT: 7.988 min Scan# 1132
Delta R.T. 0.158 min
Lab File: VX024574.D
Acq: 05 Oct 2021 16:26

Tgt Ion: 83 Resp: 1777
Ion Ratio Lower Upper
83 100
85 0.0 51.4 77.0#
127 0.0 6.8 10.2#



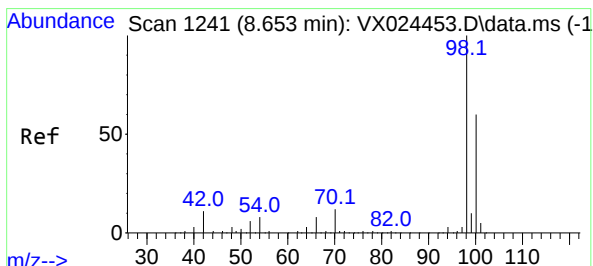
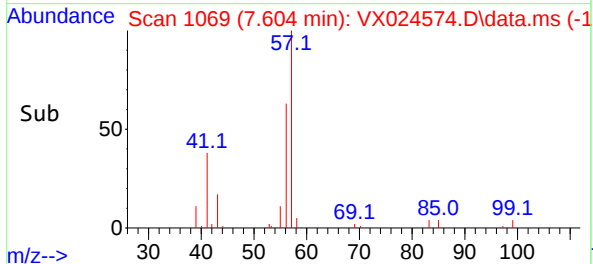
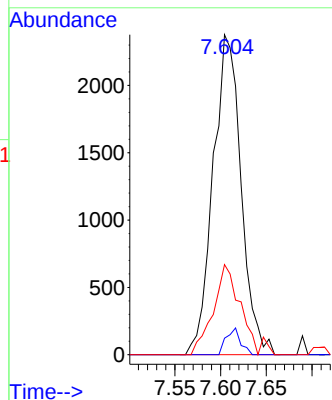
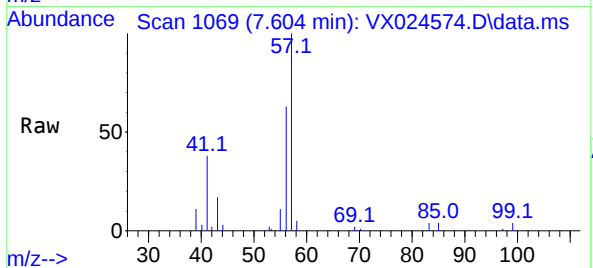


#48

Methyl methacrylate
Concen: 2.130 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX024574.D
Acq: 05 Oct 2021 16:26

Instrument :
MSVOA_X
ClientSampleId :
MW-2R

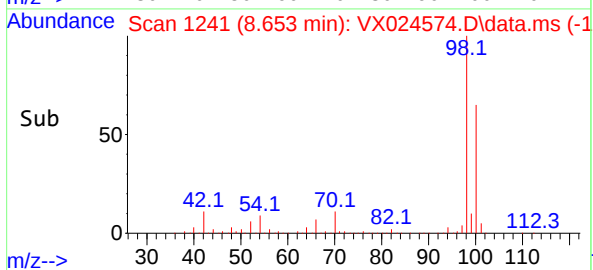
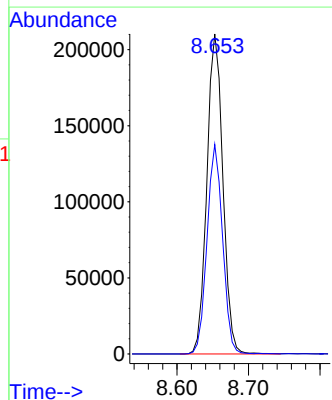
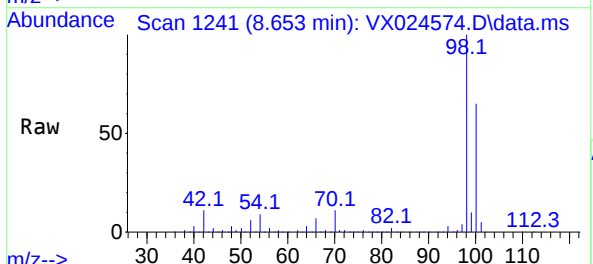
Tgt Ion: 41 Resp: 5066
Ion Ratio Lower Upper
41 100
69 4.3 76.0 114.0#
39 26.6 44.6 67.0#

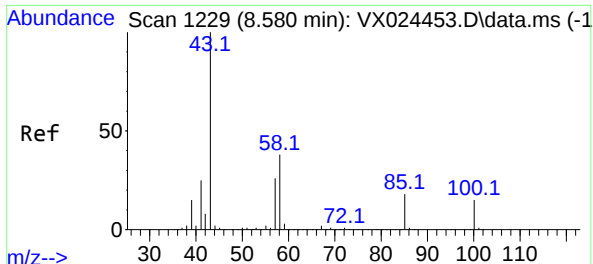


#50

Toluene-d8
Concen: 50.659 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024574.D
Acq: 05 Oct 2021 16:26

Tgt Ion: 98 Resp: 327035
Ion Ratio Lower Upper
98 100
100 63.6 51.9 77.9

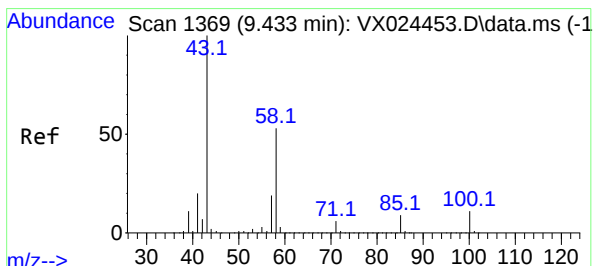
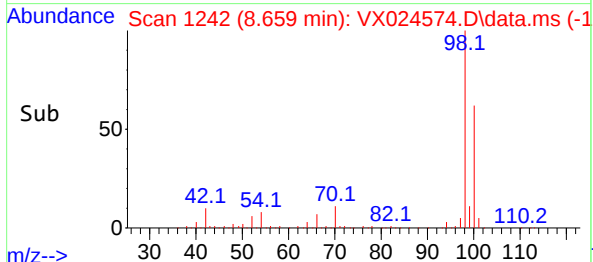
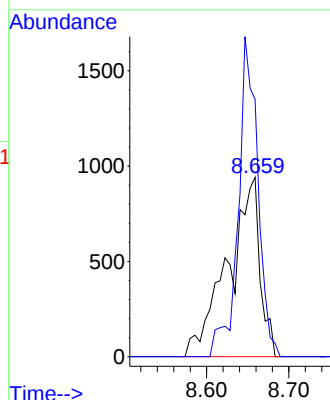
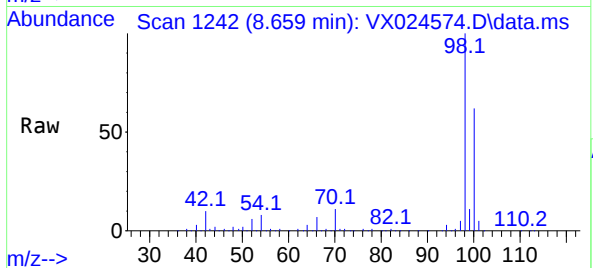




#51
4-Methyl-2-Pentanone
Concen: 0.804 ug/l
RT: 8.659 min Scan# 1242
Delta R.T. 0.079 min
Lab File: VX024574.D
Acq: 05 Oct 2021 16:26

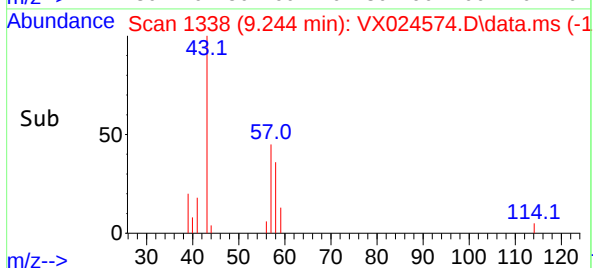
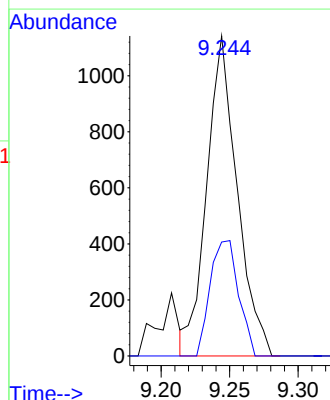
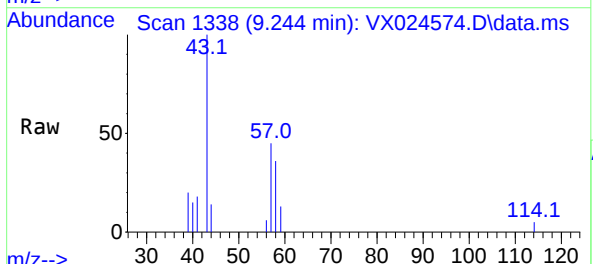
Instrument :
MSVOA_X
ClientSampleId :
MW-2R

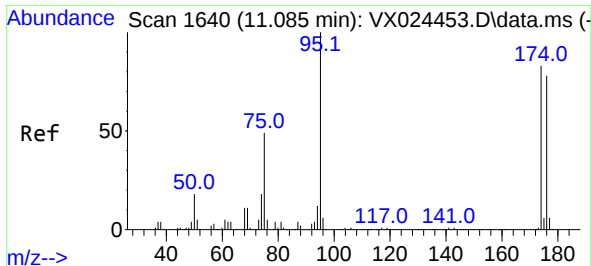
Tgt Ion: 43 Resp: 2550
Ion Ratio Lower Upper
43 100
58 108.8 35.4 53.0#



#59
2-Hexanone
Concen: 0.706 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. -0.189 min
Lab File: VX024574.D
Acq: 05 Oct 2021 16:26

Tgt Ion: 43 Resp: 1763
Ion Ratio Lower Upper
43 100
58 33.6 30.9 92.8

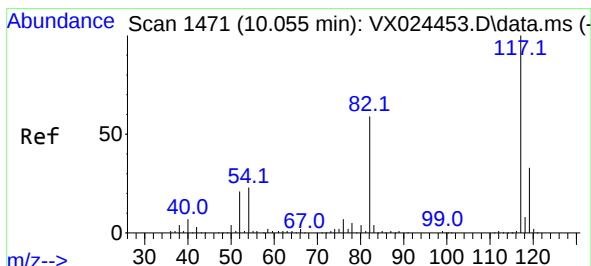
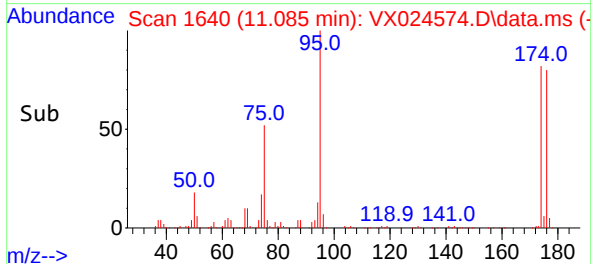
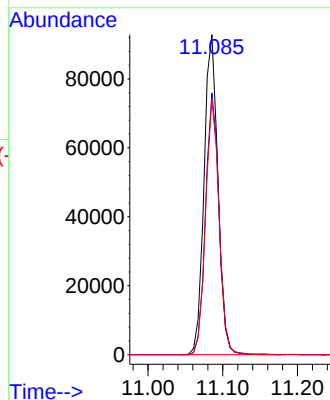
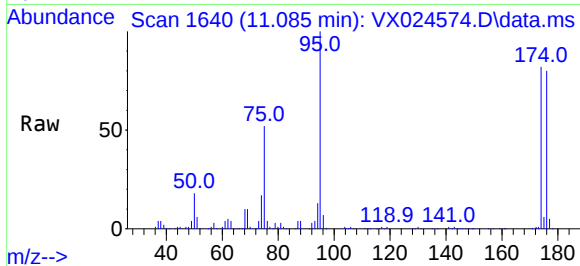




#62
4-Bromofluorobenzene
Concen: 47.058 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024574.D
Acq: 05 Oct 2021 16:26

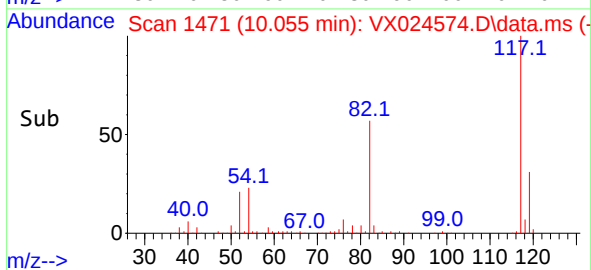
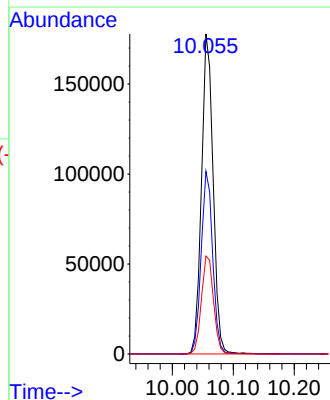
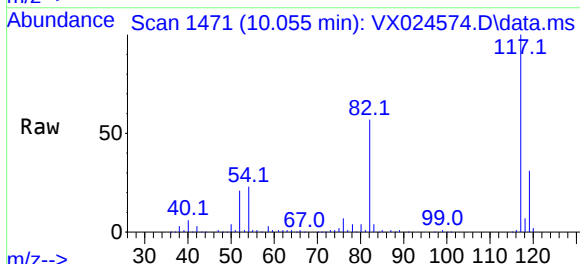
Instrument :
MSVOA_X
ClientSampled :
MW-2R

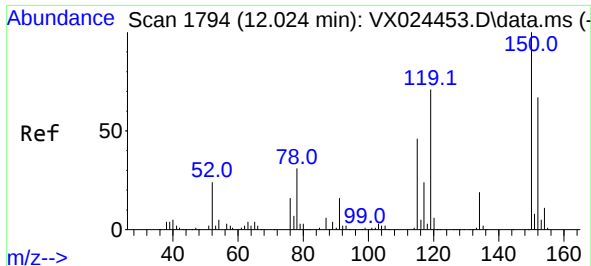
Tgt Ion: 95 Resp: 119443
Ion Ratio Lower Upper
95 100
174 79.7 0.0 154.6
176 77.4 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024574.D
Acq: 05 Oct 2021 16:26

Tgt Ion: 117 Resp: 236112
Ion Ratio Lower Upper
117 100
82 57.0 47.4 71.2
119 30.6 26.6 39.8

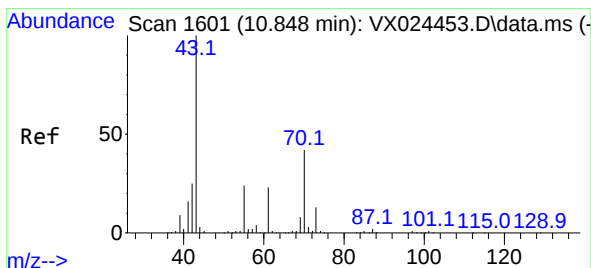
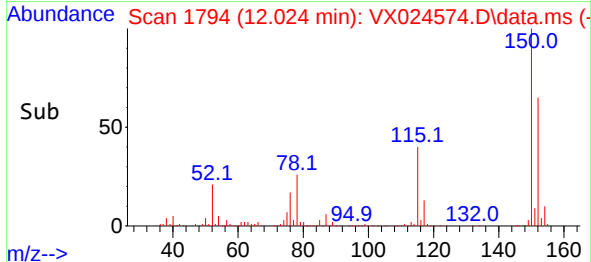
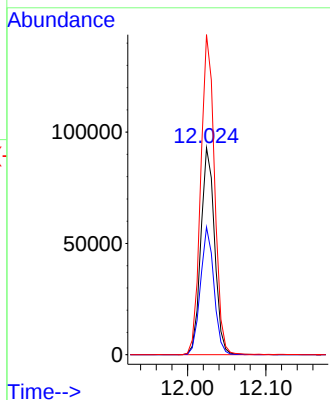
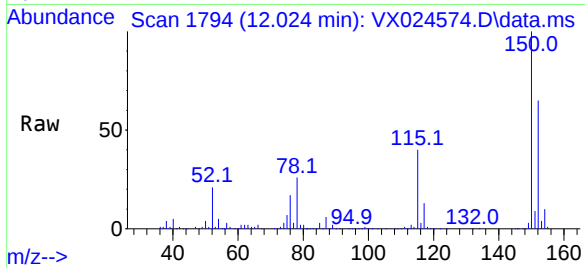




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024574.D
Acq: 05 Oct 2021 16:26

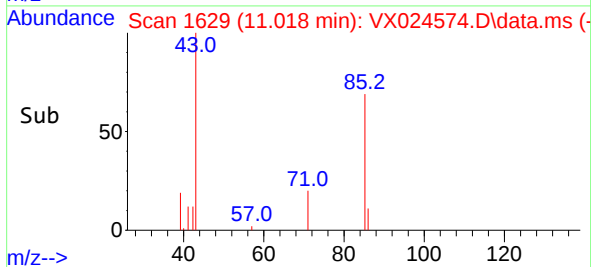
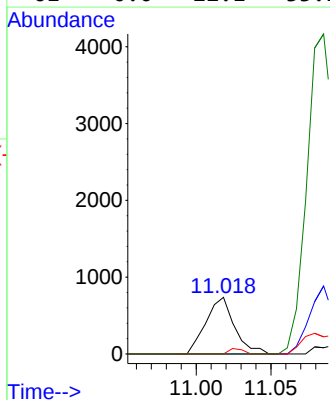
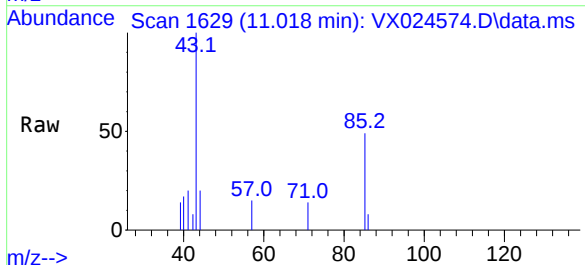
Instrument :
MSVOA_X
ClientSampled :
MW-2R

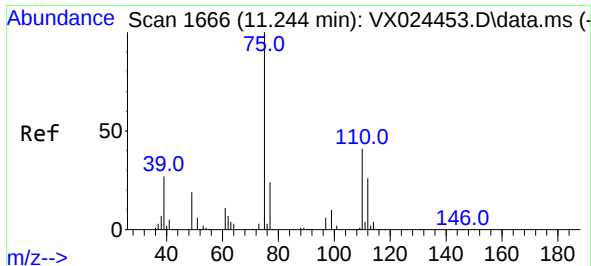
Tgt Ion:152 Resp: 113012
Ion Ratio Lower Upper
152 100
115 60.6 41.1 123.3
150 155.8 0.0 349.0



#74
N-ethyl acetate
Concen: 0.266 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.170 min
Lab File: VX024574.D
Acq: 05 Oct 2021 16:26

Tgt Ion: 43 Resp: 977
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 4.6 21.5 32.3#
61 0.0 22.1 33.1#

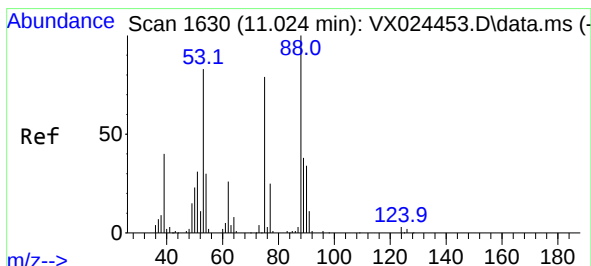
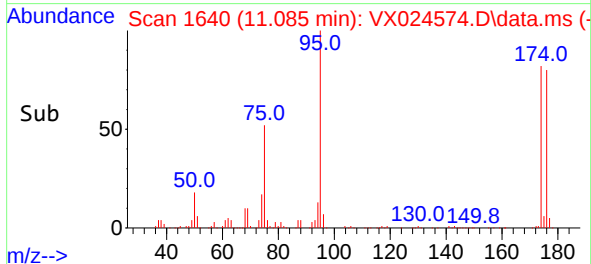
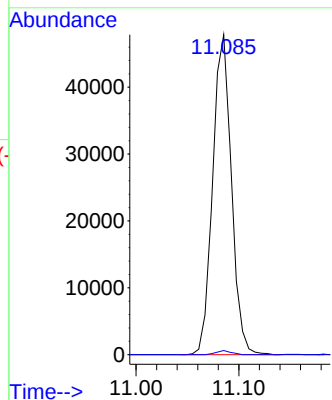
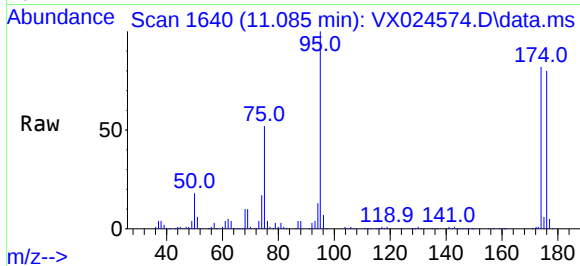




#76
1,2,3-Trichloropropane
Concen: 23.626 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024574.D
Acq: 05 Oct 2021 16:26

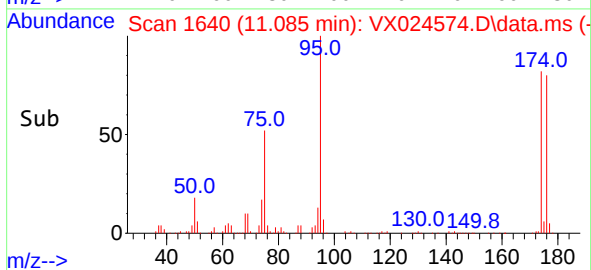
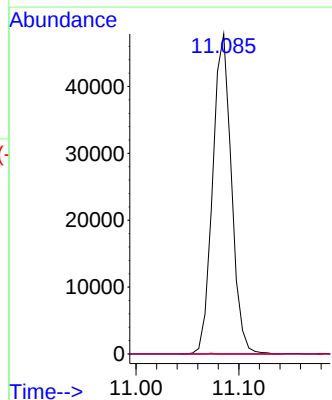
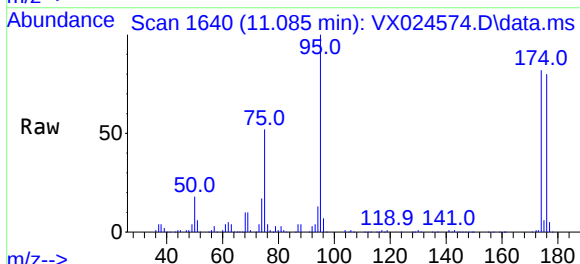
Instrument :
MSVOA_X
ClientSampleId :
MW-2R

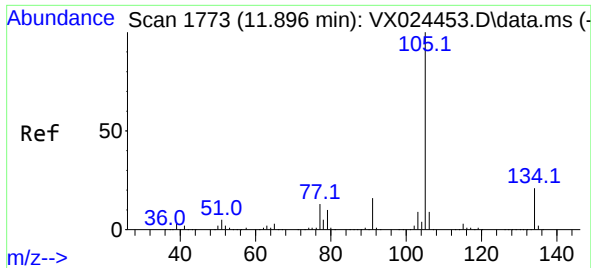
Tgt Ion: 75 Resp: 60635
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.534 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024574.D
Acq: 05 Oct 2021 16:26

Tgt Ion: 75 Resp: 60635
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#





#85
sec-Butylbenzene
Concen: 0.311 ug/l
RT: 11.896 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VX024574.D
Acq: 05 Oct 2021 16:26

Instrument :
MSVOA_X
ClientSampleId :
MW-2R

Tgt Ion:105 Resp: 2621
Ion Ratio Lower Upper
105 100
134 18.2 10.0 29.8

