

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100421\
 Data File : VX024551.D
 Acq On : 05 Oct 2021 04:29
 Operator : JC/MD
 Sample : M4039-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-2

Quant Time: Oct 05 08:35:16 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)

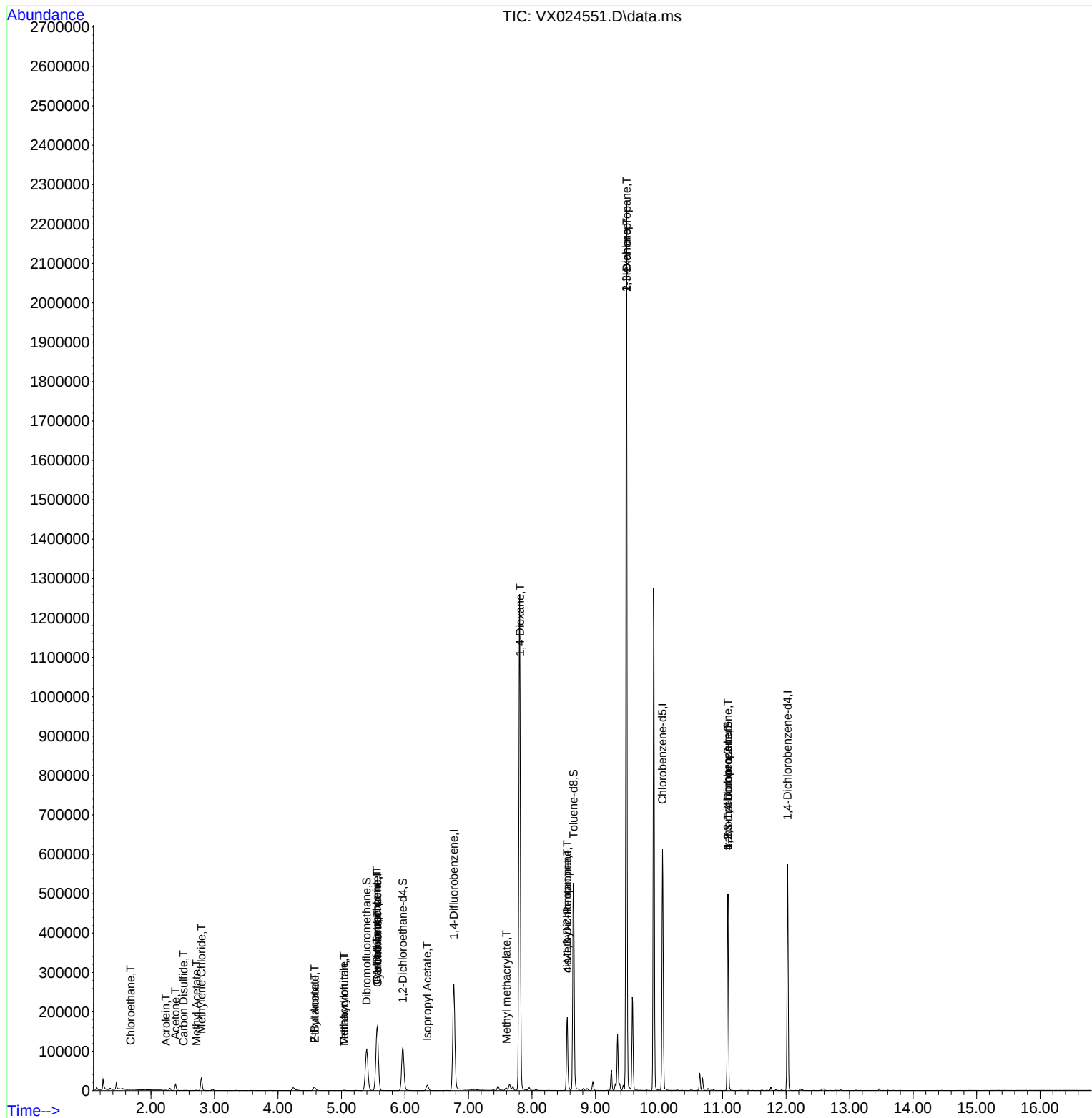
Internal Standards						
1) Pentafluorobenzene	5.562	168	151363	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	271378	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	275674	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	114371	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	110073	51.598	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	103.200%
35) Dibromofluoromethane	5.397	113	91422	50.710	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.420%
50) Toluene-d8	8.653	98	318159	47.949	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.900%
62) 4-Bromofluorobenzene	11.085	95	129225	49.532	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.060%
Target Compounds						
						Qvalue
6) Chloroethane	1.678	64	541	0.796	ug/l	90
11) Tert butyl alcohol	2.965	59	3416	Below Cal		98
13) Acrolein	2.233	56	97	10.865	ug/l #	14
16) Acetone	2.386	43	16783	8.864	ug/l	99
17) Carbon Disulfide	2.514	76	371	0.331	ug/l #	75
18) Methyl Acetate	2.715	43	1569	0.491	ug/l #	77
20) Methylene Chloride	2.794	84	14256	7.970	ug/l	97
25) 2-Butanone	4.574	43	15914	10.832	ug/l #	86
29) Tetrahydrofuran	5.044	42	939	1.003	ug/l #	54
31) Cyclohexane	5.568	56	3187	1.248	ug/l #	27
36) 1,1-Dichloropropene	5.556	75	11693	4.495	ug/l #	49
37) Ethyl Acetate	4.574	43	15914	4.899	ug/l #	64
38) Carbon Tetrachloride	5.556	117	15672	5.534	ug/l #	17
41) Methacrylonitrile	5.038	41	636	0.379	ug/l #	36
43) Isopropyl Acetate	6.348	43	18655	3.778	ug/l	95
48) Methyl methacrylate	7.598	41	7361	3.010	ug/l #	10
49) 1,4-Dioxane	7.811	88	195	3.482	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	64456	19.772	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	27777	9.138	ug/l #	65
57) 1,3-Dichloropropane	9.488	76	18530	5.527	ug/l #	42
59) 2-Hexanone	9.488	43	254539	99.147	ug/l #	44
76) 1,2,3-Trichloropropane	11.085	75	66038	25.426	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	66038	69.302	ug/l #	12

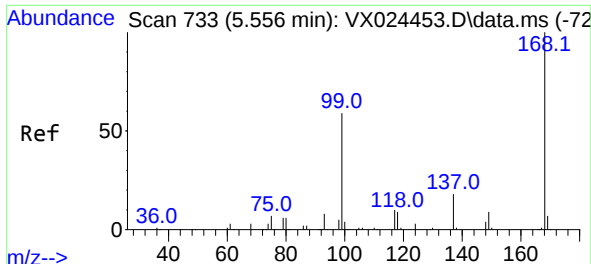
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TP-2

Quant Time: Oct 05 08:35:16 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

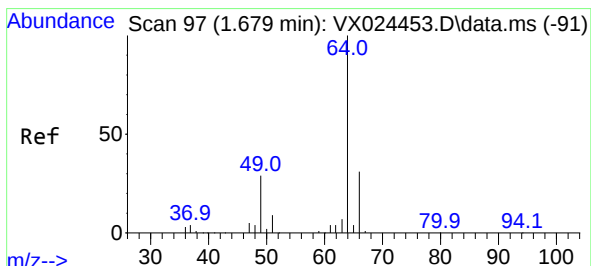
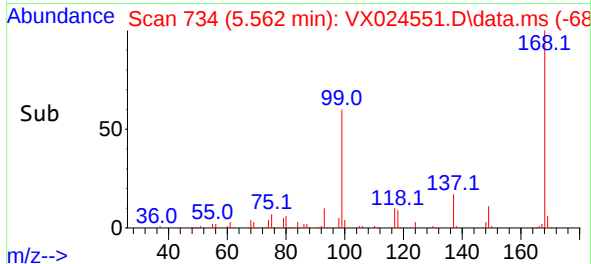
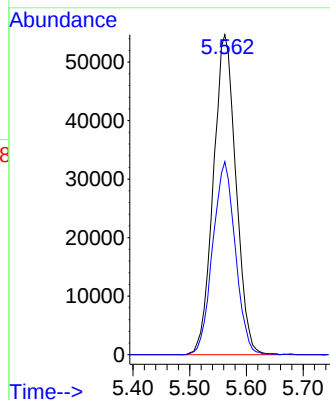
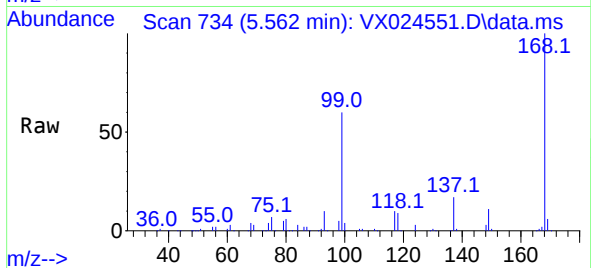




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024551.D
Acq: 05 Oct 2021 04:29

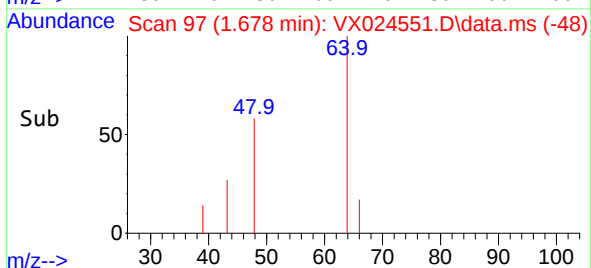
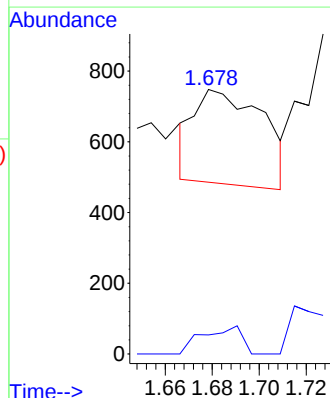
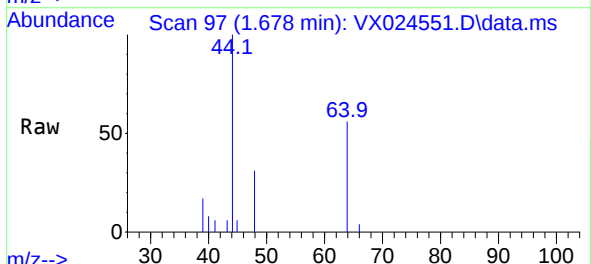
Instrument :
MSVOA_X
ClientSampled :
TP-2

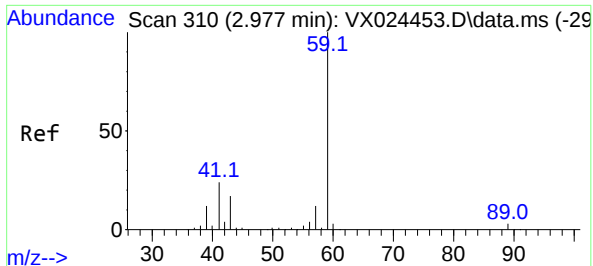
Tgt Ion:168 Resp: 151363
Ion Ratio Lower Upper
168 100
99 60.3 45.8 68.6



#6
Chloroethane
Concen: 0.796 ug/l
RT: 1.678 min Scan# 97
Delta R.T. -0.001 min
Lab File: VX024551.D
Acq: 05 Oct 2021 04:29

Tgt Ion: 64 Resp: 541
Ion Ratio Lower Upper
64 100
66 37.2 25.4 38.0



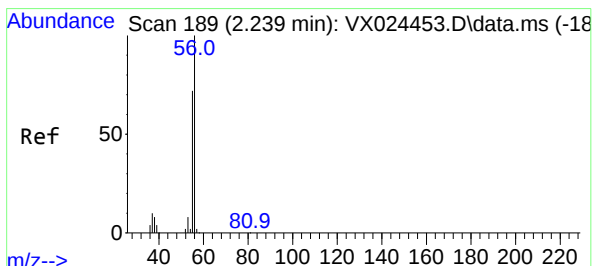
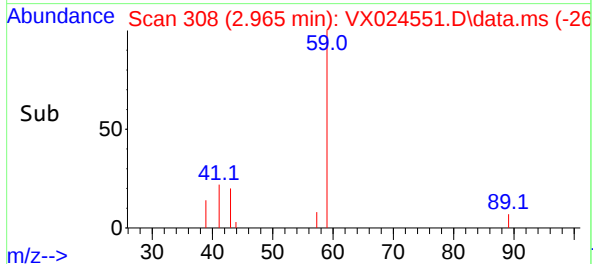
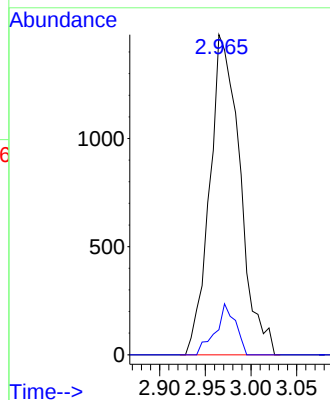
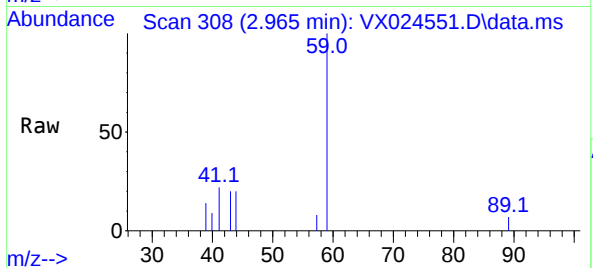


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX024551.D
Acq: 05 Oct 2021 04:29

Instrument :
MSVOA_X
ClientSampled :
TP-2

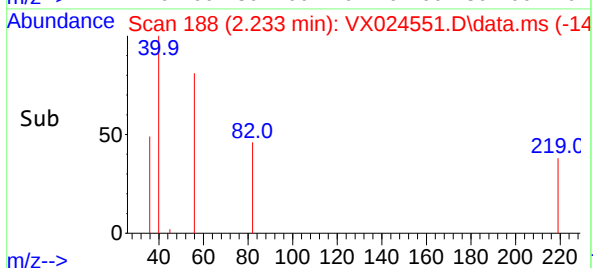
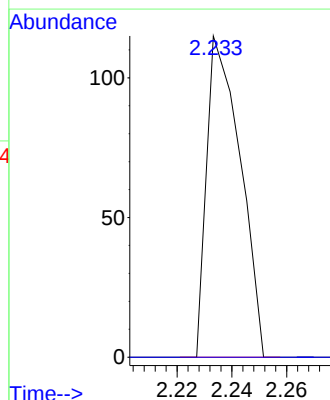
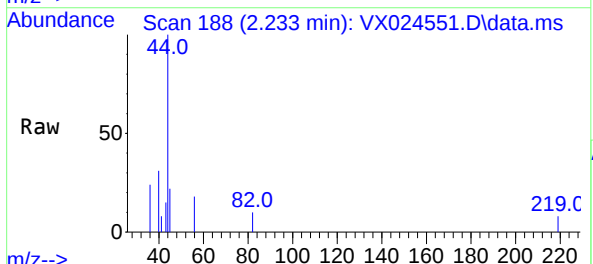
Tgt Ion: 59 Resp: 3416
Ion Ratio Lower Upper
59 100
57 10.5 7.8 11.8

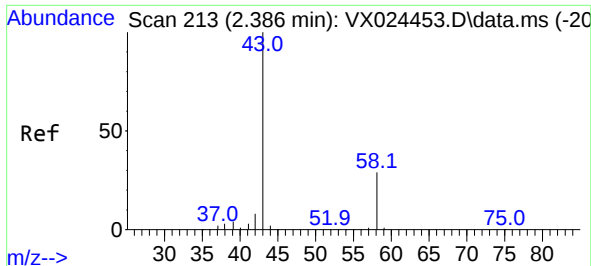


#13

Acrolein
Concen: 10.865 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX024551.D
Acq: 05 Oct 2021 04:29

Tgt Ion: 56 Resp: 97
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

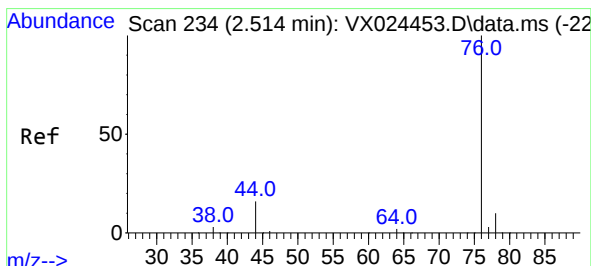
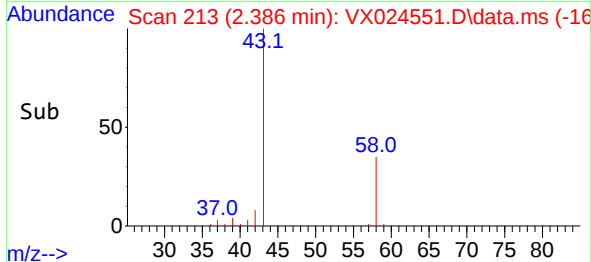
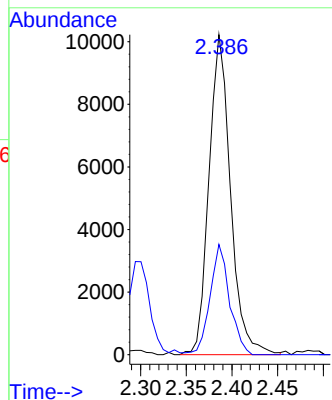
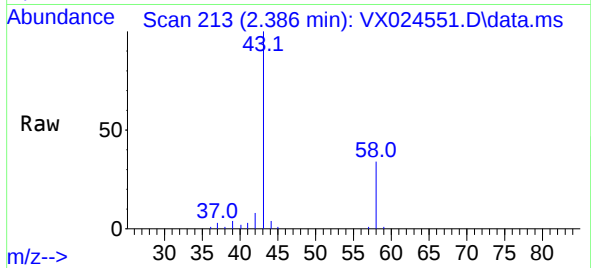




#16
Acetone
Concen: 8.864 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024551.D
Acq: 05 Oct 2021 04:29

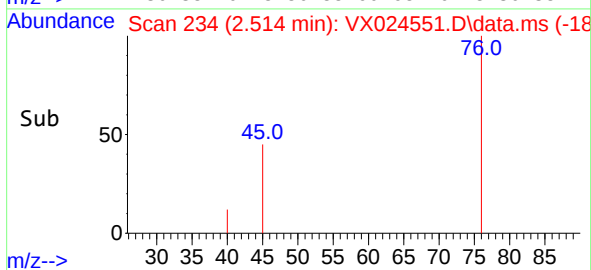
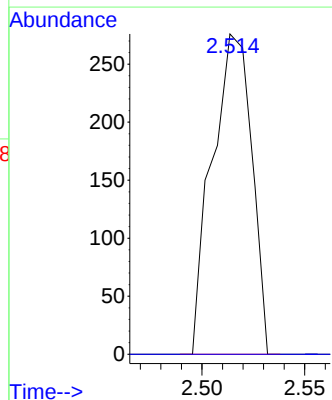
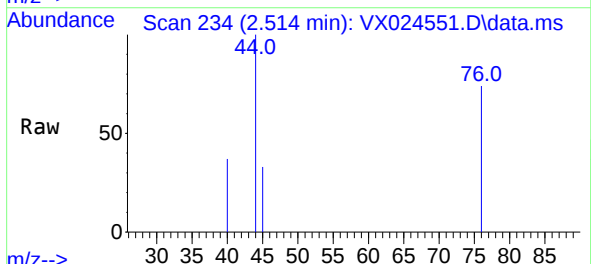
Instrument :
MSVOA_X
ClientSampled :
TP-2

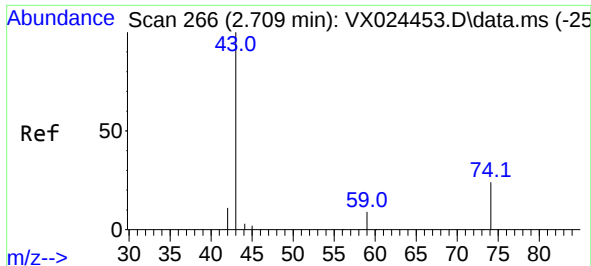
Tgt Ion: 43 Resp: 16783
Ion Ratio Lower Upper
43 100
58 34.4 27.8 41.8



#17
Carbon Disulfide
Concen: 0.331 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024551.D
Acq: 05 Oct 2021 04:29

Tgt Ion: 76 Resp: 371
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

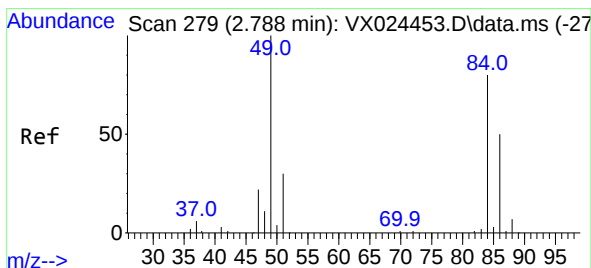
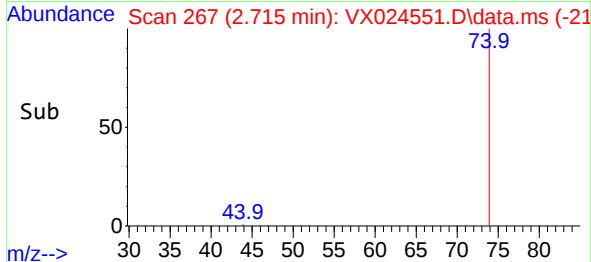
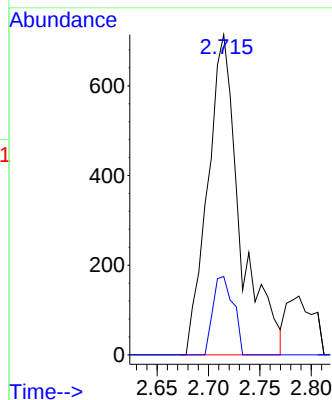
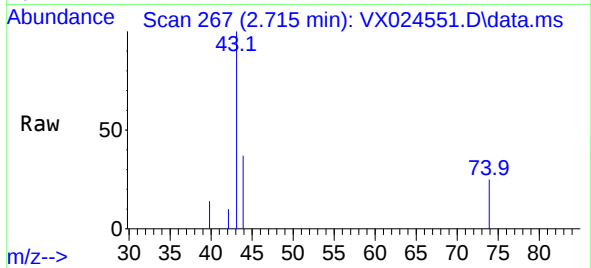




#18
Methyl Acetate
Concen: 0.491 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX024551.D
Acq: 05 Oct 2021 04:29

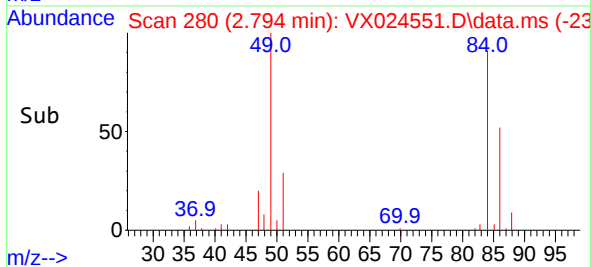
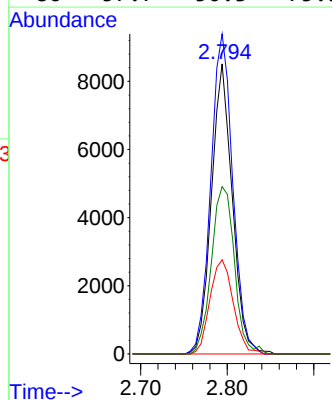
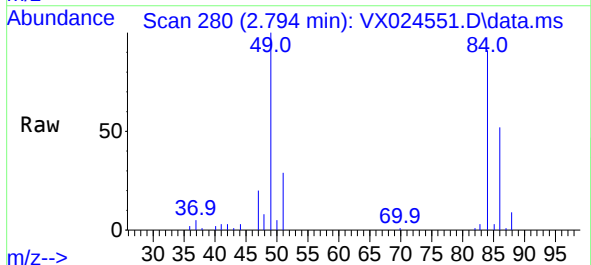
Instrument :
MSVOA_X
ClientSampled :
TP-2

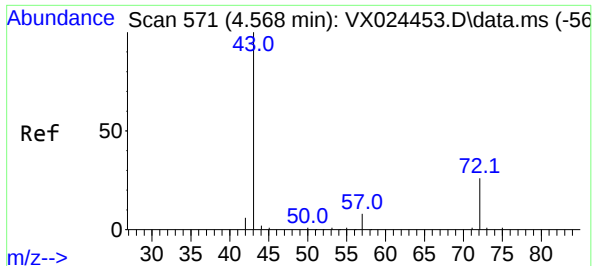
Tgt Ion: 43 Resp: 1569
Ion Ratio Lower Upper
43 100
74 15.3 21.9 32.9#



#20
Methylene Chloride
Concen: 7.970 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX024551.D
Acq: 05 Oct 2021 04:29

Tgt Ion: 84 Resp: 14256
Ion Ratio Lower Upper
84 100
49 110.3 88.6 132.8
51 32.5 27.0 40.6
86 57.7 50.3 75.5

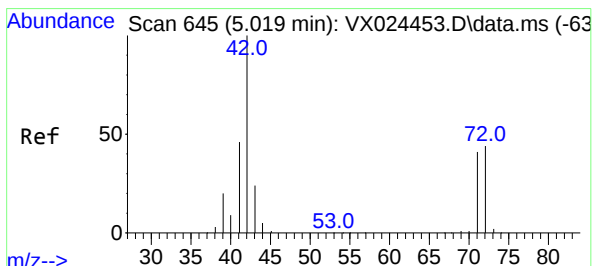
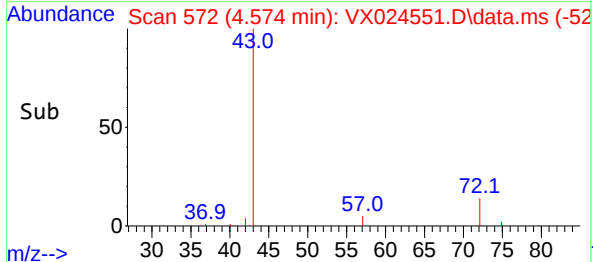
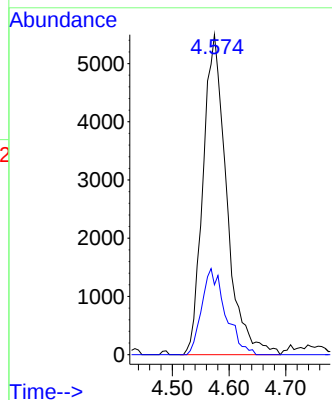
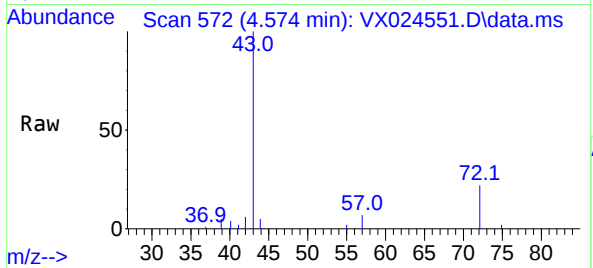




#25
2-Butanone
Concen: 10.832 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX024551.D
Acq: 05 Oct 2021 04:29

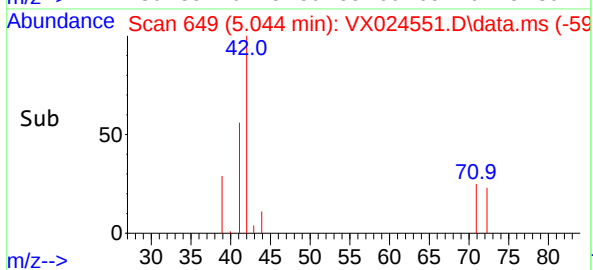
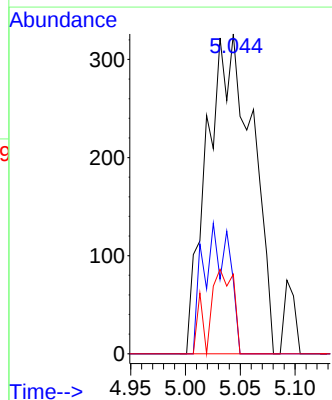
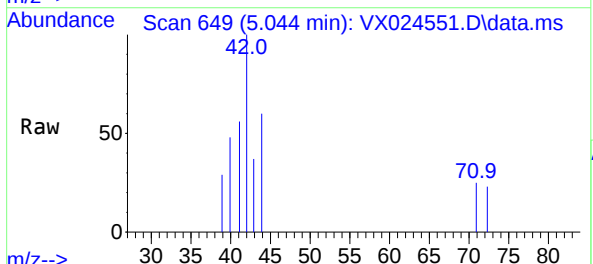
Instrument :
MSVOA_X
ClientSampled :
TP-2

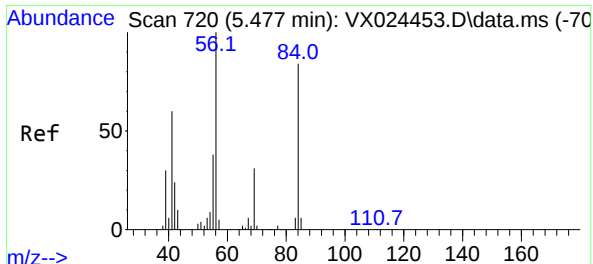
Tgt Ion: 43 Resp: 15914
Ion Ratio Lower Upper
43 100
72 21.8 23.7 35.5#



#29
Tetrahydrofuran
Concen: 1.003 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.025 min
Lab File: VX024551.D
Acq: 05 Oct 2021 04:29

Tgt Ion: 42 Resp: 939
Ion Ratio Lower Upper
42 100
72 22.9 41.7 62.5#
71 14.3 38.4 57.6#

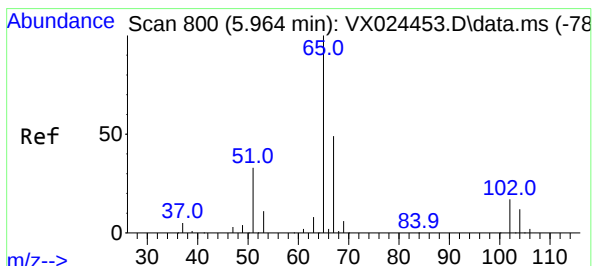
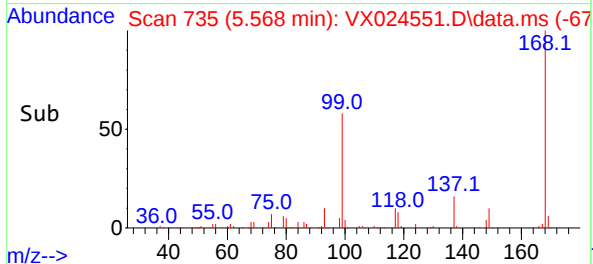
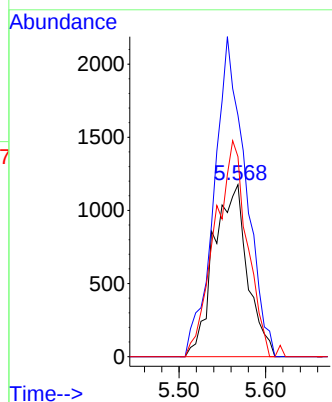
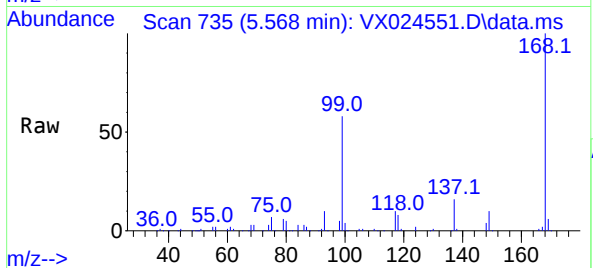




#31
Cyclohexane
Concen: 1.248 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.091 min
Lab File: VX024551.D
Acq: 05 Oct 2021 04:29

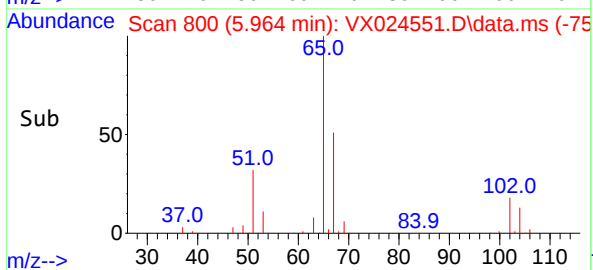
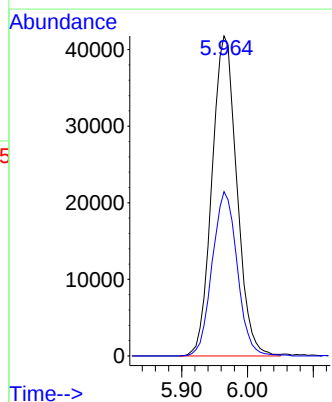
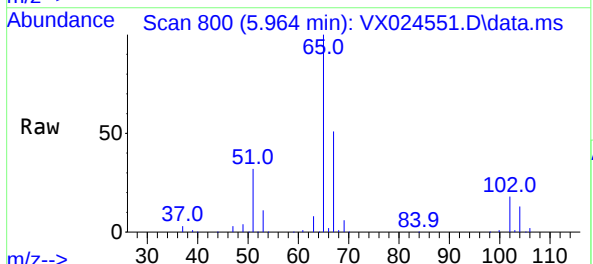
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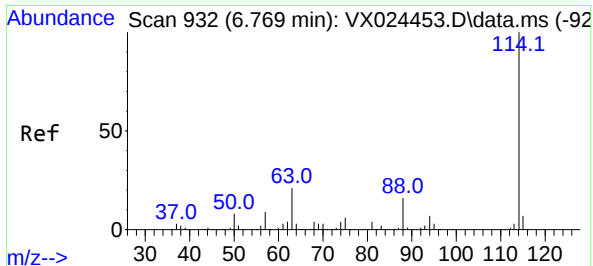
Tgt Ion: 56 Resp: 3187
Ion Ratio Lower Upper
56 100
69 140.4 25.3 37.9#
84 116.2 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 51.598 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024551.D
Acq: 05 Oct 2021 04:29

Tgt Ion: 65 Resp: 110073
Ion Ratio Lower Upper
65 100
67 51.5 0.0 105.4

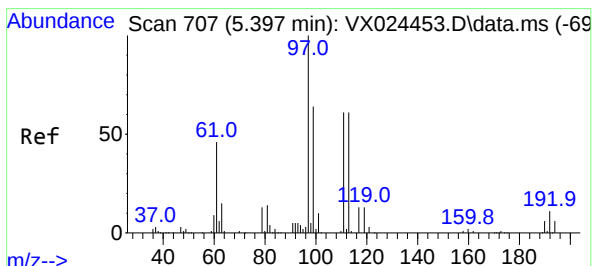
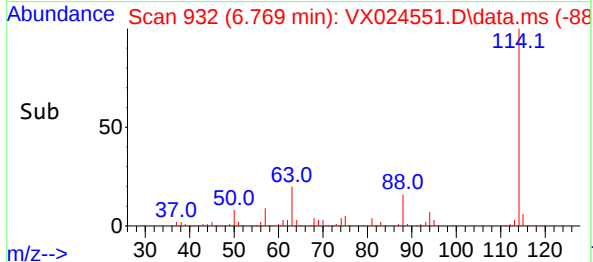
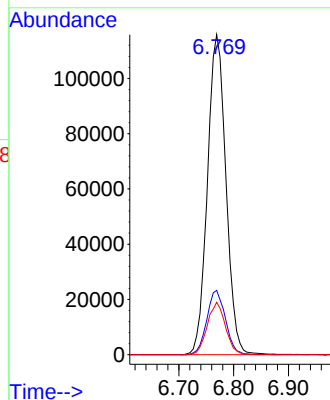
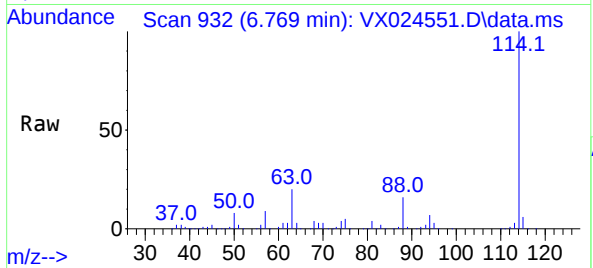




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX024551.D
Acq: 05 Oct 2021 04:29

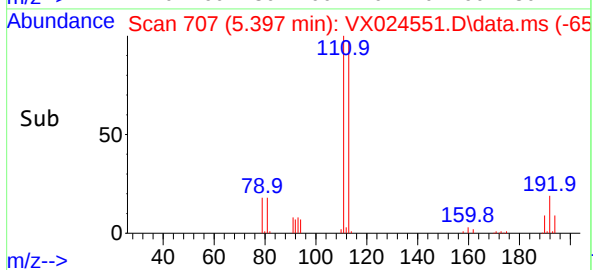
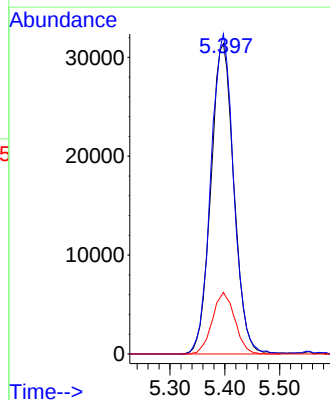
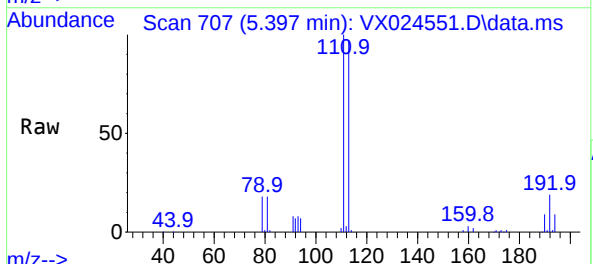
Instrument :
MSVOA_X
ClientSampled :
TP-2

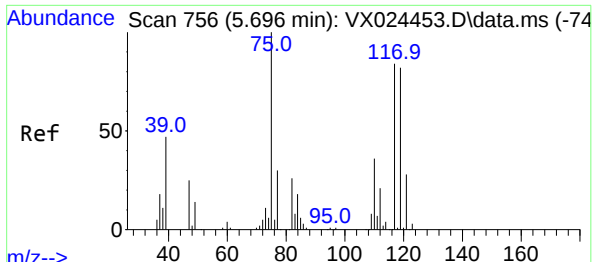
Tgt Ion:114 Resp: 271378
Ion Ratio Lower Upper
114 100
63 20.1 0.0 40.8
88 16.3 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.710 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024551.D
Acq: 05 Oct 2021 04:29

Tgt Ion:113 Resp: 91422
Ion Ratio Lower Upper
113 100
111 102.4 81.9 122.9
192 19.4 16.7 25.1

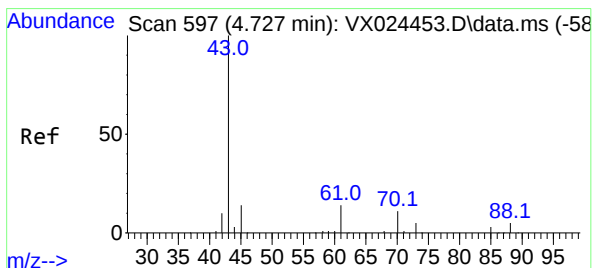
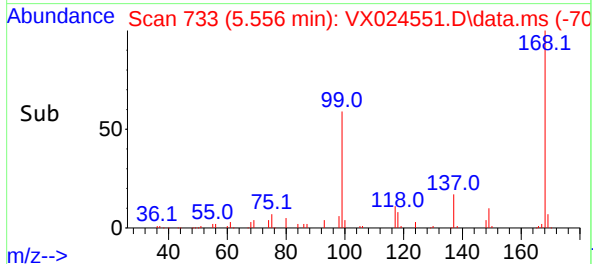
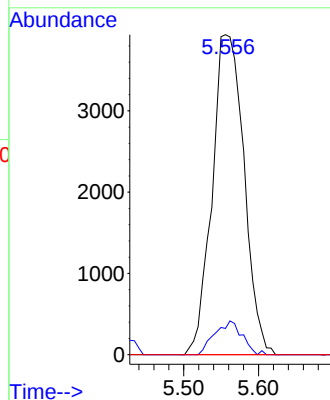
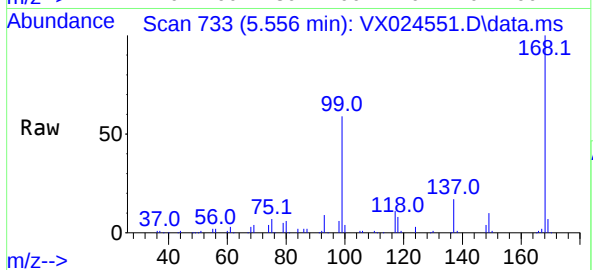




#36
1,1-Dichloropropene
Concen: 4.495 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX024551.D
Acq: 05 Oct 2021 04:29

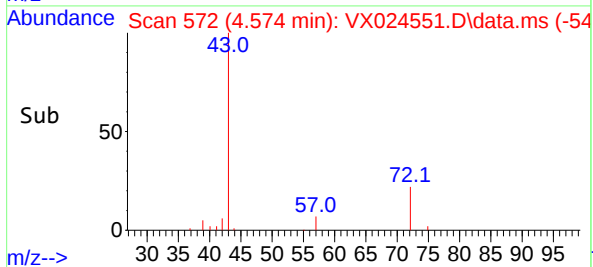
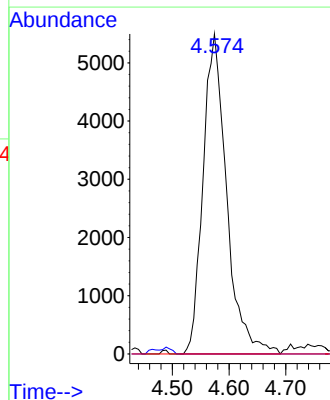
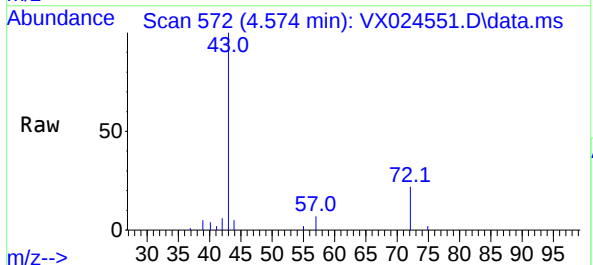
Instrument :
MSVOA_X
ClientSampleId :
TP-2

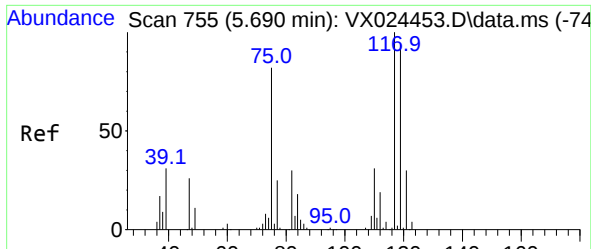
Tgt Ion: 75 Resp: 11693
Ion Ratio Lower Upper
75 100
110 9.1 18.1 54.4#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 4.899 ug/l
RT: 4.574 min Scan# 572
Delta R.T. -0.153 min
Lab File: VX024551.D
Acq: 05 Oct 2021 04:29

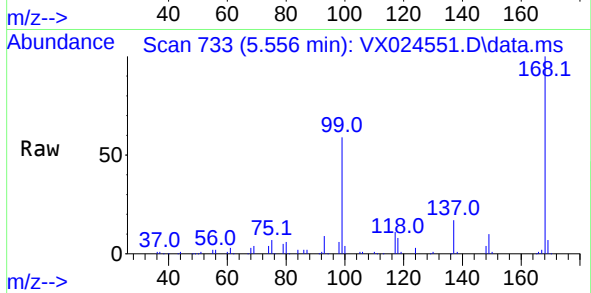
Tgt Ion: 43 Resp: 15914
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 10.5 15.7#



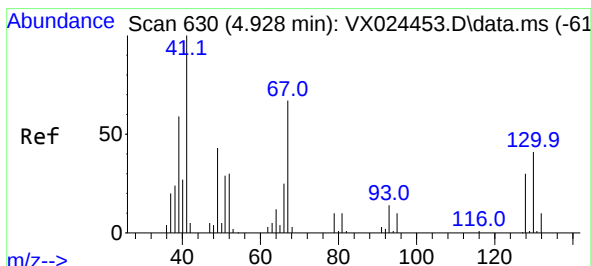
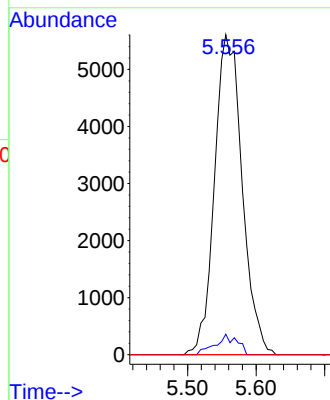
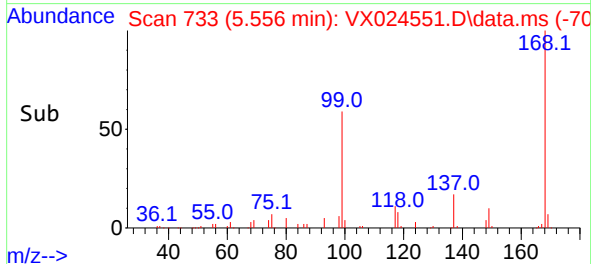


#38
Carbon Tetrachloride
Concen: 5.534 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX024551.D
Acq: 05 Oct 2021 04:29

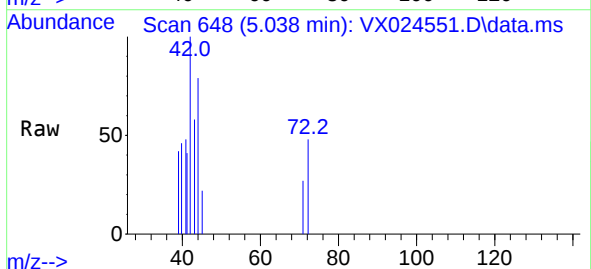
Instrument :
MSVOA_X
ClientSampleId :
TP-2



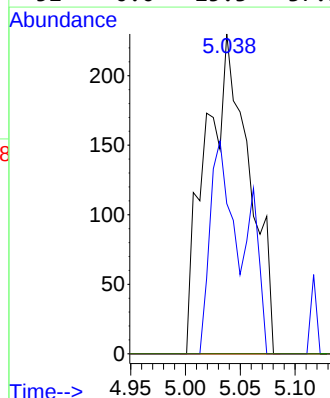
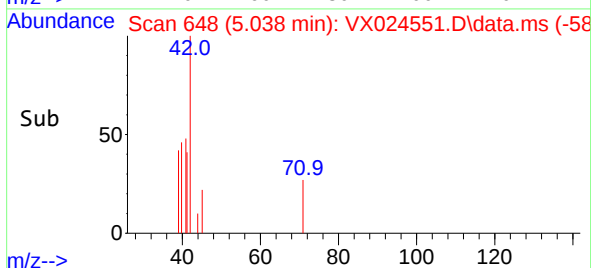
Tgt Ion:117 Resp: 15672
Ion Ratio Lower Upper
117 100
119 6.4 76.2 114.2#
121 0.0 24.8 37.2#

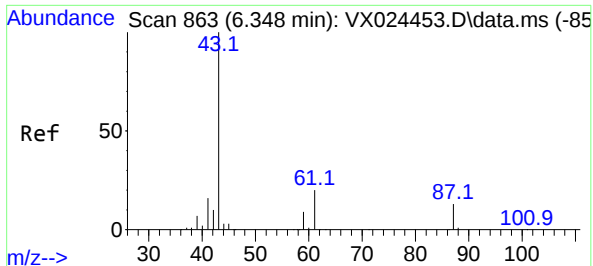


#41
Methacrylonitrile
Concen: 0.379 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.110 min
Lab File: VX024551.D
Acq: 05 Oct 2021 04:29



Tgt Ion: 41 Resp: 636
Ion Ratio Lower Upper
41 100
39 34.6 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

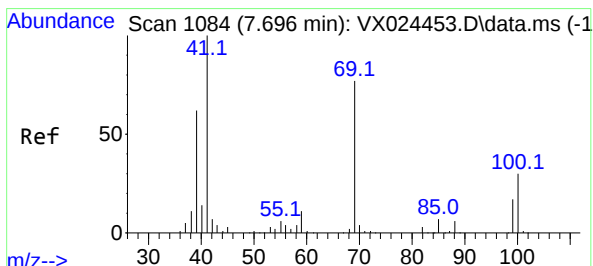
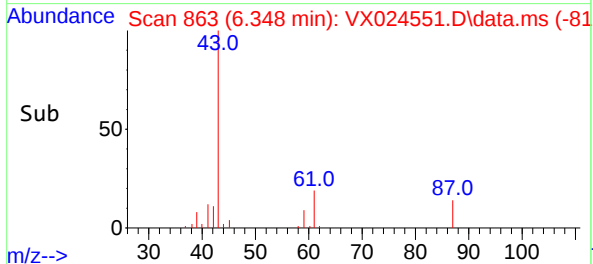
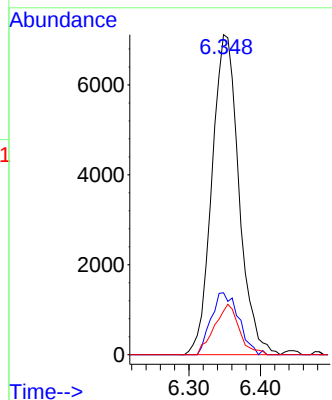
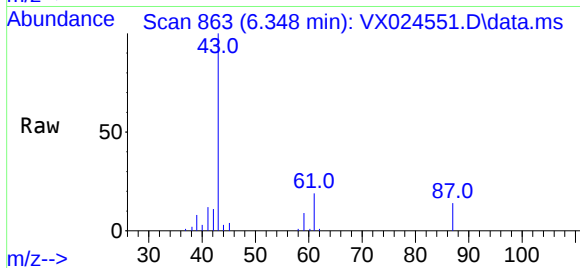




#43
Isopropyl Acetate
Concen: 3.778 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX024551.D
Acq: 05 Oct 2021 04:29

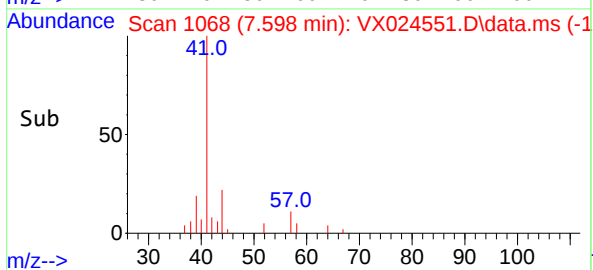
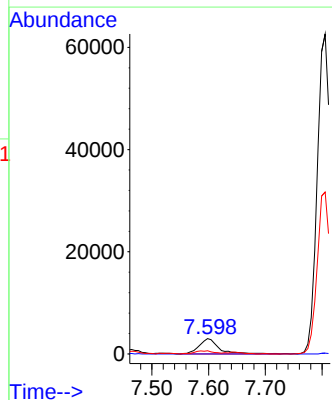
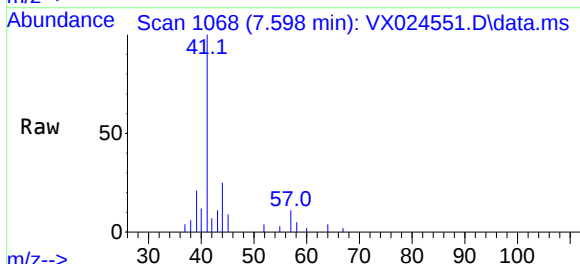
Instrument :
MSVOA_X
ClientSampled :
TP-2

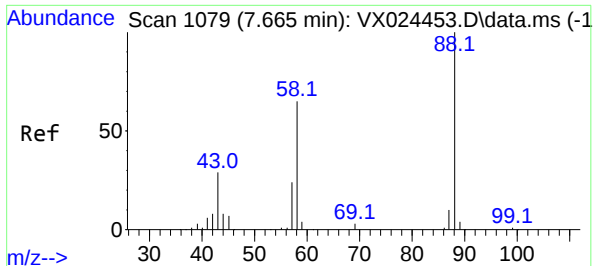
Tgt Ion:	43	Resp:	18655
Ion	Ratio	Lower	Upper
43	100		
61	19.8	18.2	27.4
87	14.4	12.5	18.7



#48
Methyl methacrylate
Concen: 3.010 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX024551.D
Acq: 05 Oct 2021 04:29

Tgt Ion:	41	Resp:	7361
Ion	Ratio	Lower	Upper
41	100		
69	0.0	76.0	114.0#
39	0.0	44.6	67.0#

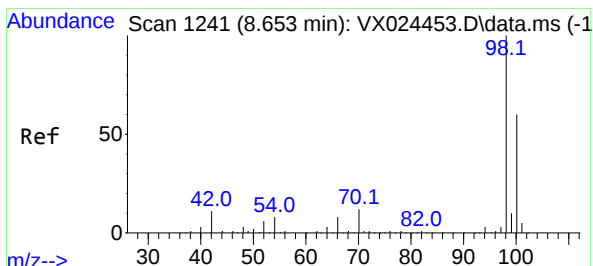
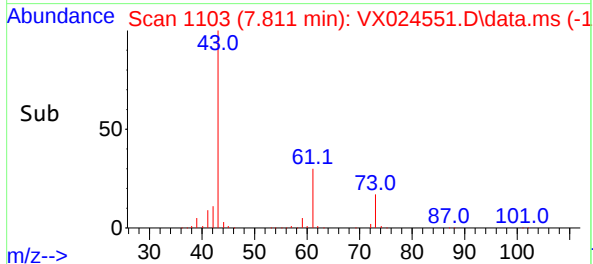
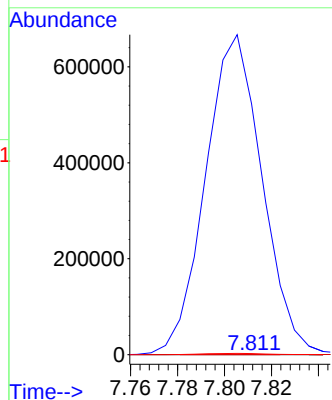
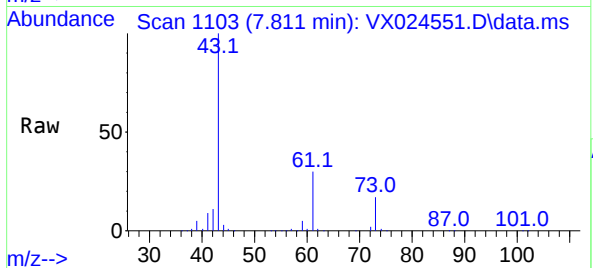




#49
1,4-Dioxane
Concen: 3.482 ug/l
RT: 7.811 min Scan# 1103
Delta R.T. 0.146 min
Lab File: VX024551.D
Acq: 05 Oct 2021 04:29

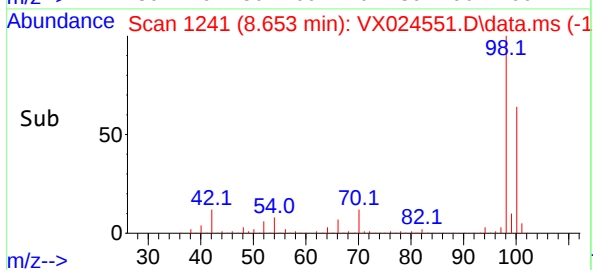
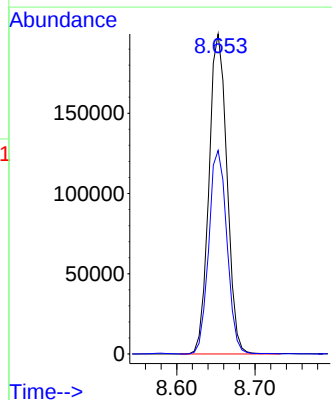
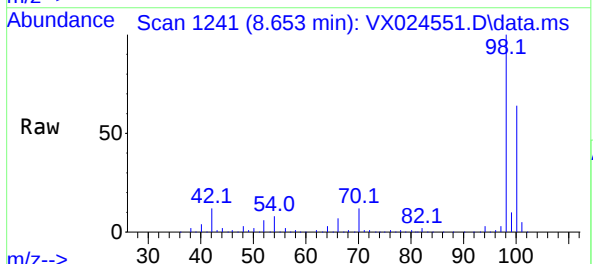
Tgt Ion: 88 Resp: 195
Ion Ratio Lower Upper
88 100
43 577714.9 23.2 34.8#
58 2679.0 55.0 82.4#

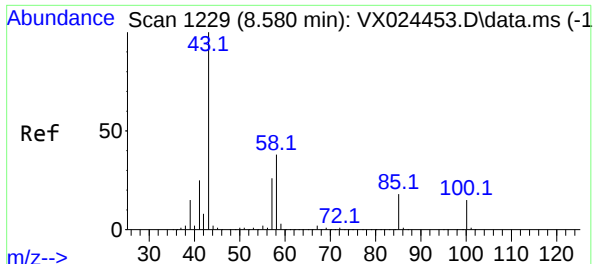
Instrument :
MSVOA_X
ClientSampled :
TP-2



#50
Toluene-d8
Concen: 47.949 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024551.D
Acq: 05 Oct 2021 04:29

Tgt Ion: 98 Resp: 318159
Ion Ratio Lower Upper
98 100
100 64.1 51.9 77.9

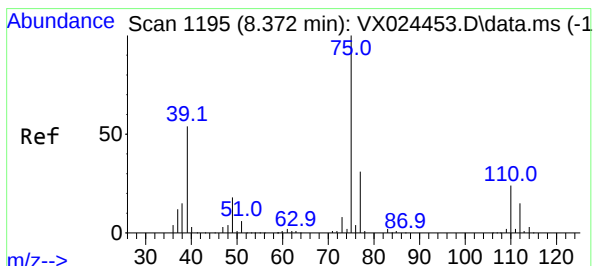
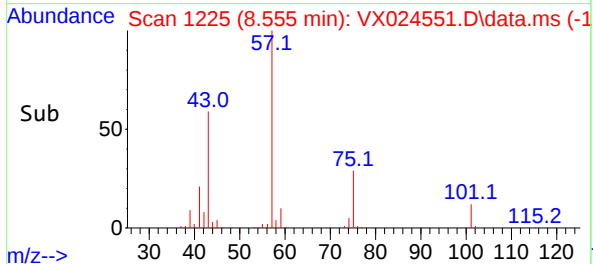
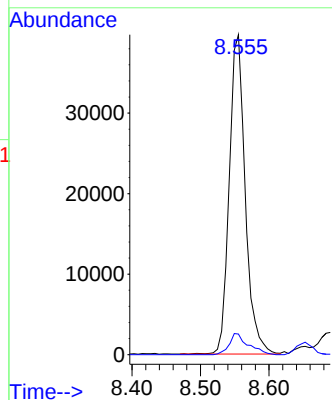
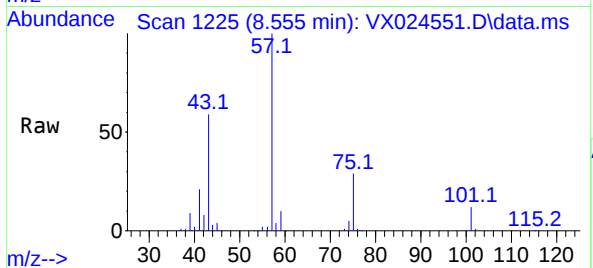




#51
4-Methyl-2-Pentanone
Concen: 19.772 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX024551.D
Acq: 05 Oct 2021 04:29

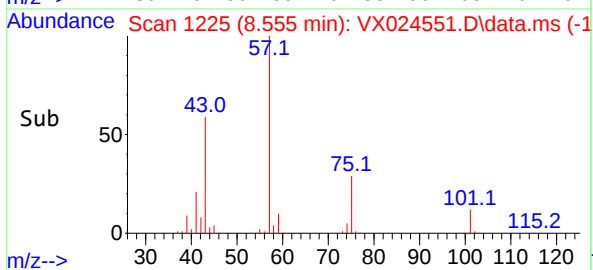
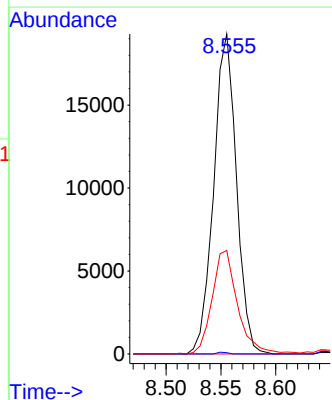
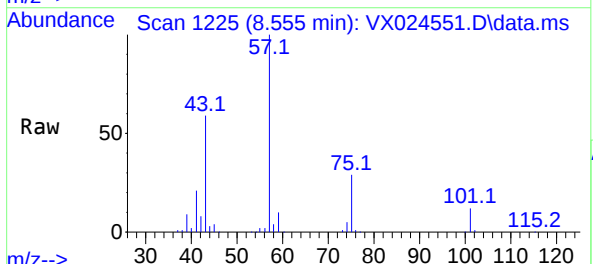
Instrument :
MSVOA_X
ClientSampled :
TP-2

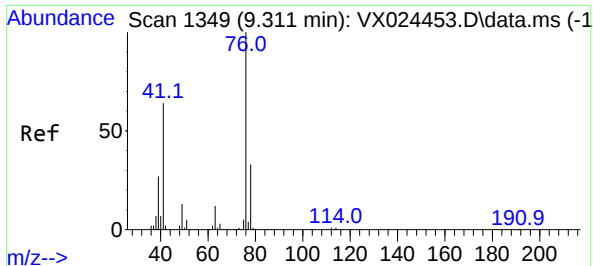
Tgt Ion: 43 Resp: 64456
Ion Ratio Lower Upper
43 100
58 7.9 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 9.138 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX024551.D
Acq: 05 Oct 2021 04:29

Tgt Ion: 75 Resp: 27777
Ion Ratio Lower Upper
75 100
77 0.4 25.7 38.5#
39 32.1 35.1 52.7#

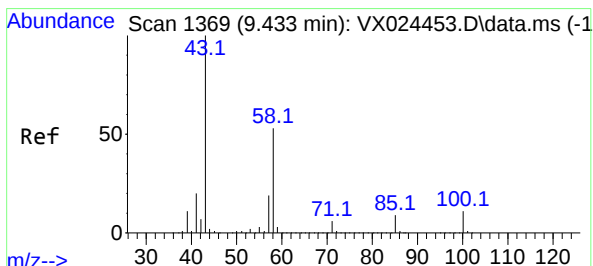
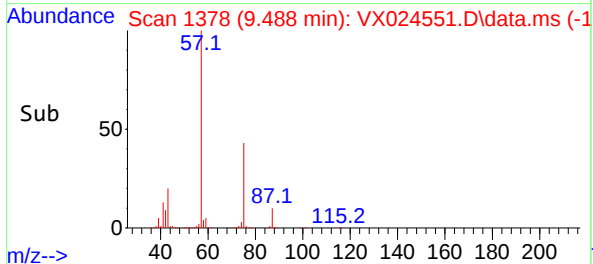
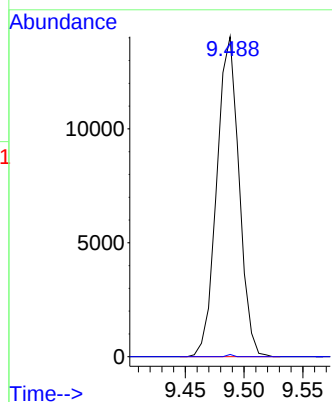
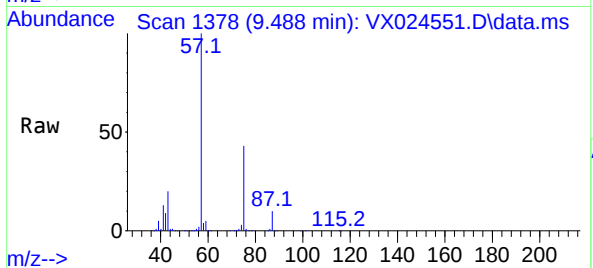




#57
1,3-Dichloropropane
Concen: 5.527 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX024551.D
Acq: 05 Oct 2021 04:29

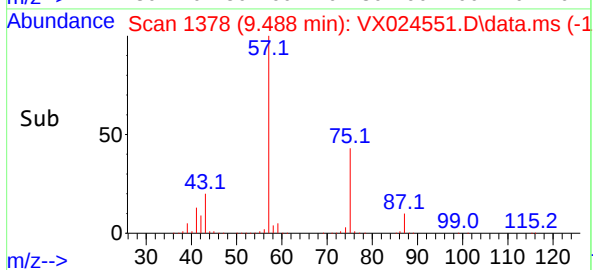
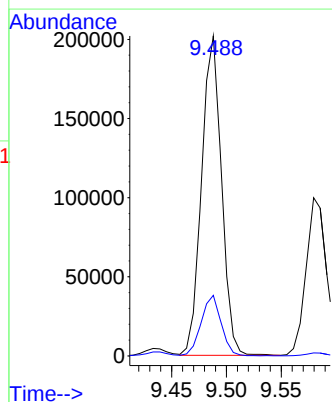
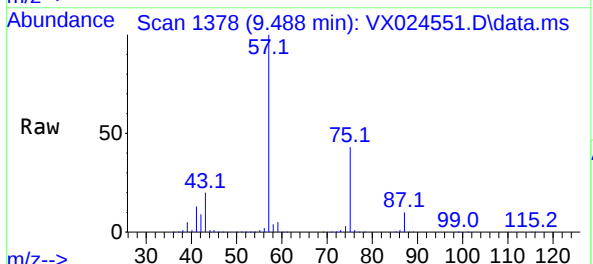
Instrument :
MSVOA_X
ClientSampled :
TP-2

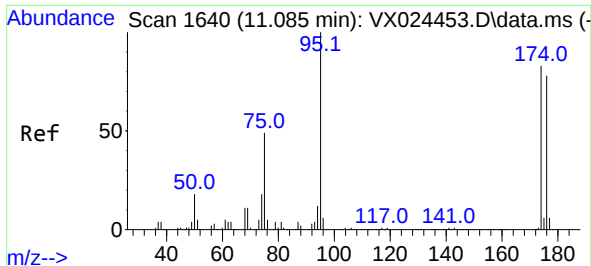
Tgt Ion: 76 Resp: 18530
Ion Ratio Lower Upper
76 100
78 0.2 26.2 39.2#



#59
2-Hexanone
Concen: 99.147 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX024551.D
Acq: 05 Oct 2021 04:29

Tgt Ion: 43 Resp: 254539
Ion Ratio Lower Upper
43 100
58 19.2 30.9 92.8#

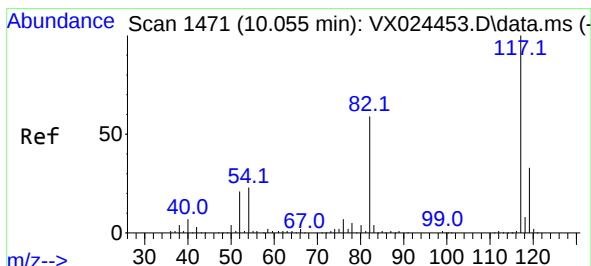
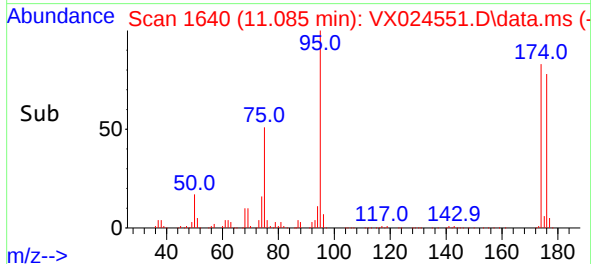
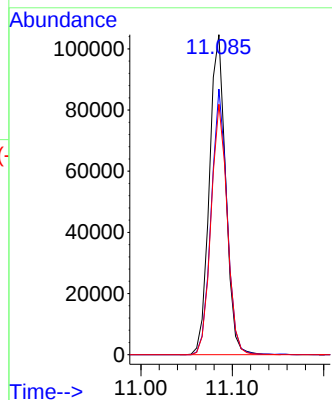
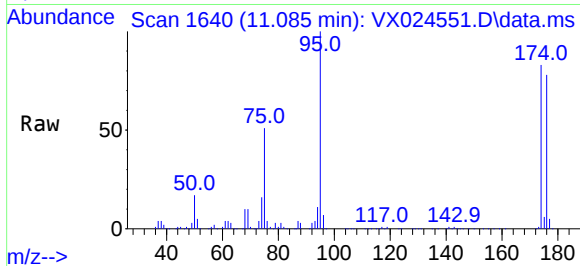




#62
4-Bromofluorobenzene
Concen: 49.532 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024551.D
Acq: 05 Oct 2021 04:29

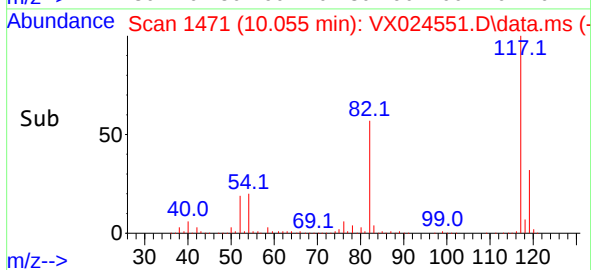
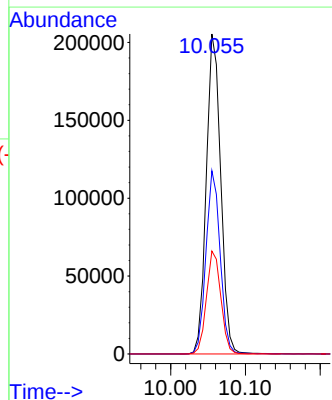
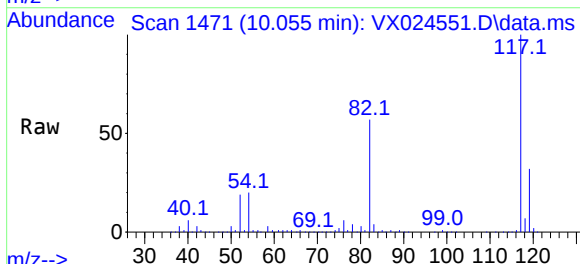
Instrument :
MSVOA_X
ClientSampled :
TP-2

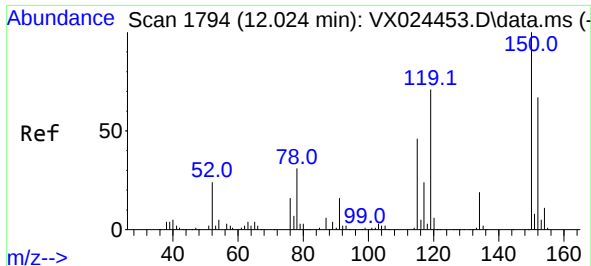
Tgt Ion: 95 Resp: 129225
Ion Ratio Lower Upper
95 100
174 80.7 0.0 154.6
176 77.6 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX024551.D
Acq: 05 Oct 2021 04:29

Tgt Ion: 117 Resp: 275674
Ion Ratio Lower Upper
117 100
82 57.3 47.4 71.2
119 32.2 26.6 39.8

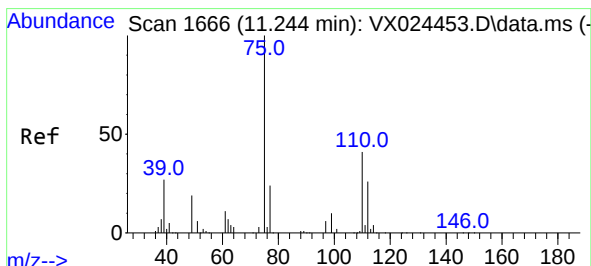
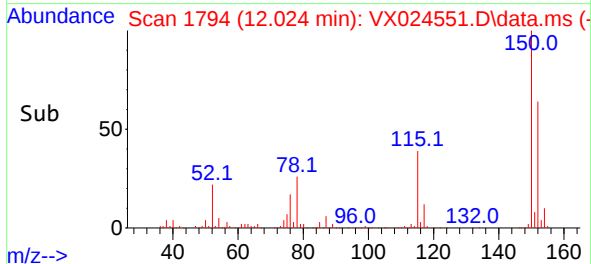
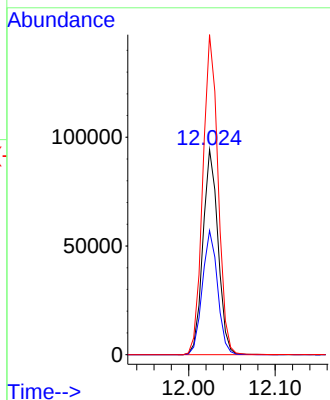
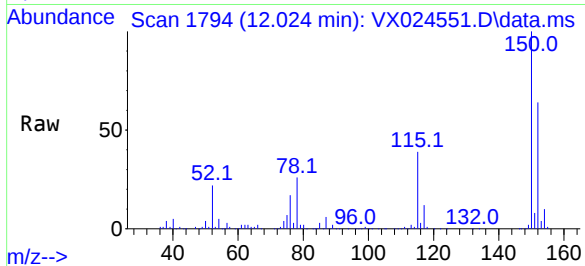




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024551.D
Acq: 05 Oct 2021 04:29

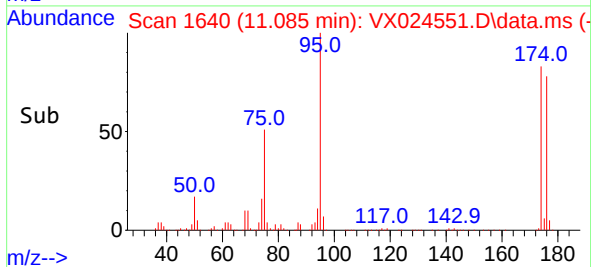
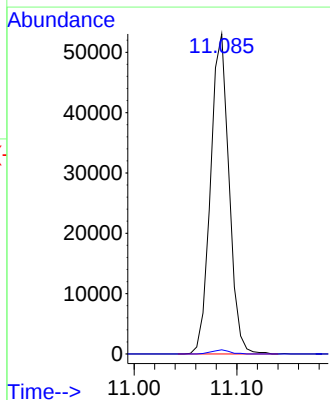
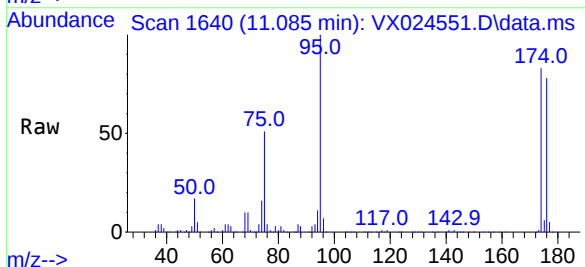
Instrument :
MSVOA_X
ClientSampleId :
TP-2

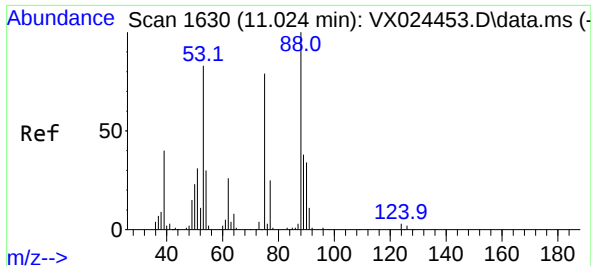
Tgt Ion:152 Resp: 114371
Ion Ratio Lower Upper
152 100
115 60.8 41.1 123.3
150 157.1 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 25.426 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024551.D
Acq: 05 Oct 2021 04:29

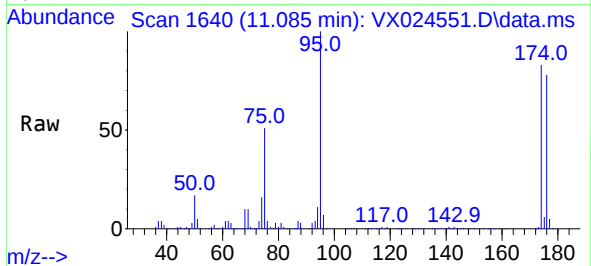
Tgt Ion: 75 Resp: 66038
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 69.302 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024551.D
Acq: 05 Oct 2021 04:29

Instrument :
MSVOA_X
ClientSampleId :
TP-2



Tgt Ion: 75 Resp: 66038
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

