

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120122\
 Data File : VX033167.D
 Acq On : 01 Dec 2022 16:41
 Operator : JC/MD
 Sample : N5821-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 22-MW-4I

Quant Time: Dec 02 00:53:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

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

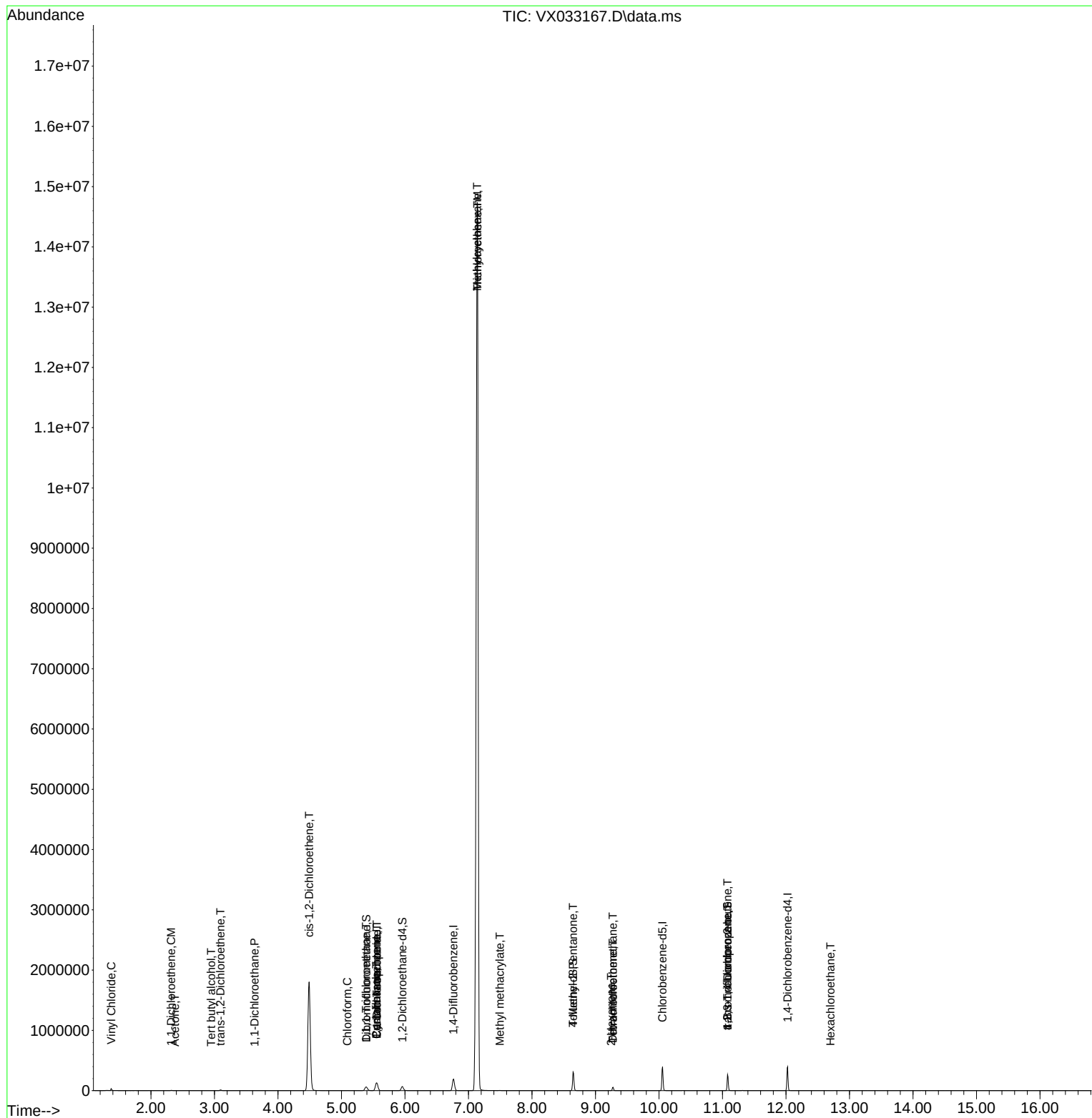
Internal Standards						
1) Pentafluorobenzene	5.550	168	122757	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	199791	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	176593	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	82588	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	68005	57.141	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 114.280%	
35) Dibromofluoromethane	5.391	113	54726	48.587	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.180%	
50) Toluene-d8	8.647	98	179350	53.053	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 106.100%	
62) 4-Bromofluorobenzene	11.079	95	68101	46.027	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.060%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.374	62	20440	18.131	ug/l	95
11) Tert butyl alcohol	2.947	59	202	1.066	ug/l #	72
12) 1,1-Dichloroethene	2.319	96	1802	1.682	ug/l	93
16) Acetone	2.380	43	368	0.659	ug/l #	45
20) Methylene Chloride	2.800	84	83	Below Cal	#	35
21) trans-1,2-Dichloroethene	3.093	96	5141	4.195	ug/l	98
24) 1,1-Dichloroethane	3.630	63	520	0.241	ug/l #	82
27) cis-1,2-Dichloroethene	4.489	96	1132276	813.249	ug/l	90
30) Chloroform	5.093	83	1116	0.462	ug/l	96
31) Cyclohexane	5.550	56	2614	1.349	ug/l #	1
32) 1,1,1-Trichloroethane	5.385	97	1010	0.467	ug/l #	48
36) 1,1-Dichloropropene	5.556	75	9978	5.540	ug/l #	50
38) Carbon Tetrachloride	5.556	117	12715	6.364	ug/l #	16
39) Methylcyclohexane	7.135	83	71528	34.809	ug/l #	1
44) Trichloroethene	7.141	130	5921109	4178.792	ug/l	100
48) Methyl methacrylate	7.495	41	478	0.357	ug/l #	87
51) 4-Methyl-2-Pentanone	8.647	43	759	0.473	ug/l #	1
59) 2-Hexanone	9.244	43	259	0.219	ug/l #	61
60) Dibromochloromethane	9.275	129	9698	6.660	ug/l #	11
64) Tetrachloroethene	9.275	164	9870	7.896	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	36831	23.548	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	36831	76.542	ug/l #	6
90) Hexachloroethane	12.701	117	274	0.333	ug/l #	12

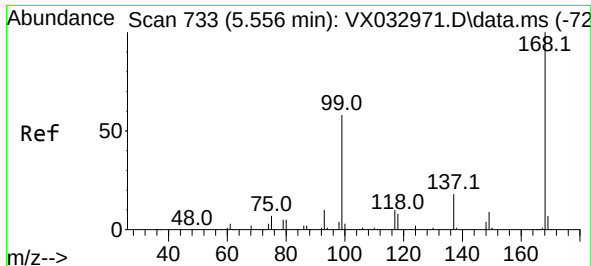
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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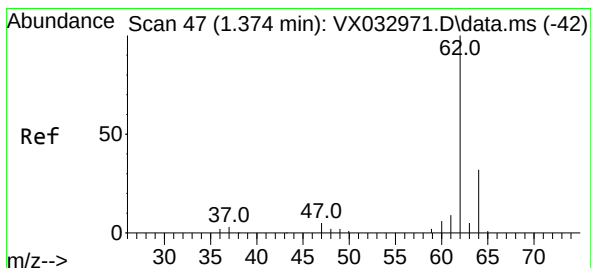
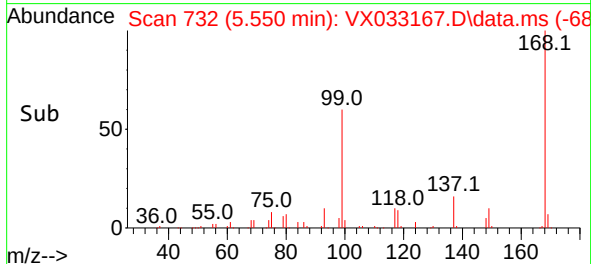
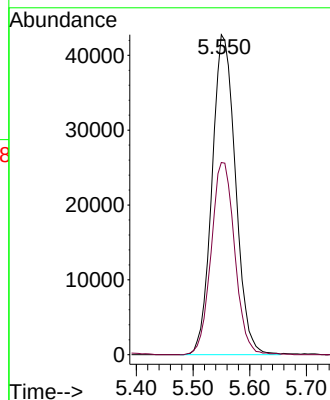
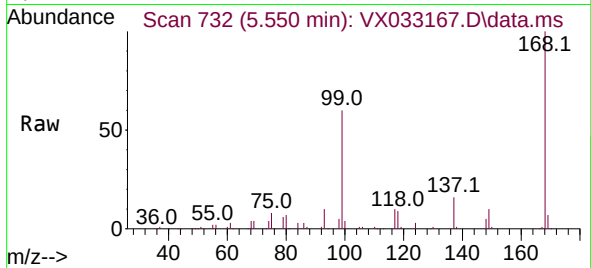




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX033167.D
Acq: 01 Dec 2022 16:41

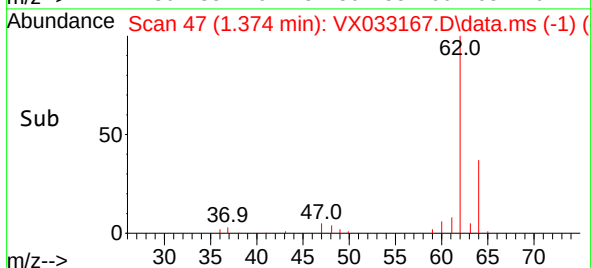
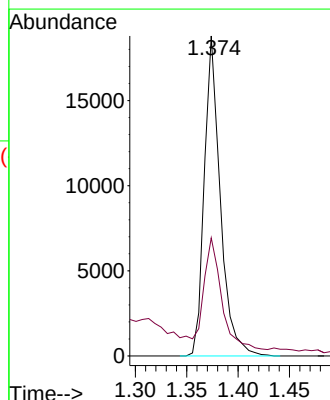
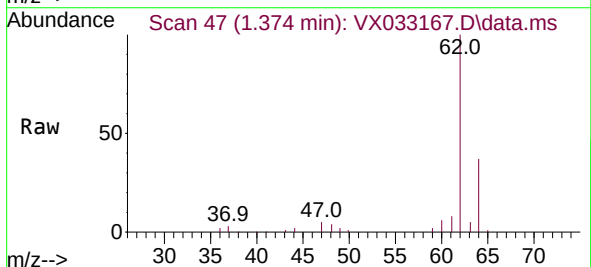
Instrument :
MSVOA_X
ClientSampleId :
22-MW-4I

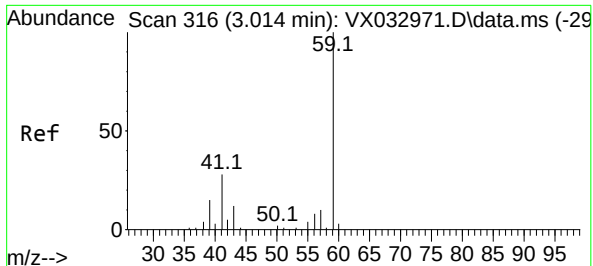
Tgt Ion:168 Resp: 122757
Ion Ratio Lower Upper
168 100
99 60.0 46.1 69.1



#4
Vinyl Chloride
Concen: 18.131 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX033167.D
Acq: 01 Dec 2022 16:41

Tgt Ion: 62 Resp: 20440
Ion Ratio Lower Upper
62 100
64 34.8 25.8 38.6





#11

Tert butyl alcohol

Concen: 1.066 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.018 min

Lab File: VX033167.D

Acq: 01 Dec 2022 16:41

Instrument :

MSVOA_X

ClientSampleId :

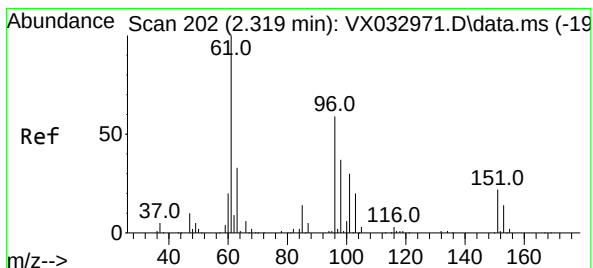
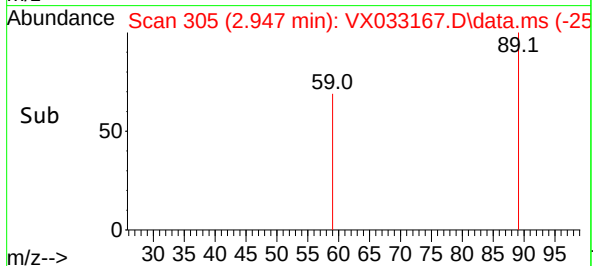
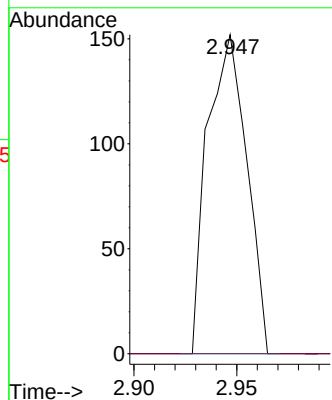
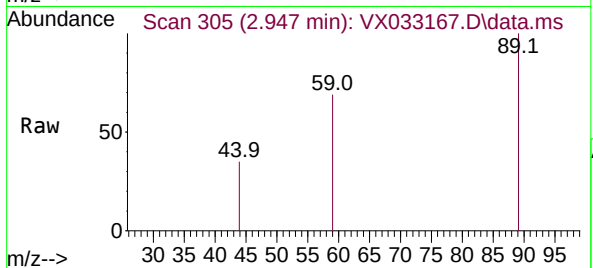
22-MW-4I

Tgt Ion: 59 Resp: 202

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#12

1,1-Dichloroethene

Concen: 1.682 ug/l

RT: 2.319 min Scan# 202

Delta R.T. -0.000 min

Lab File: VX033167.D

Acq: 01 Dec 2022 16:41

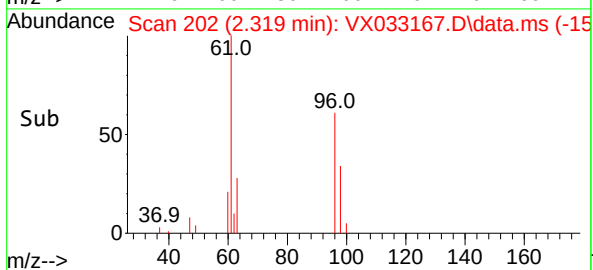
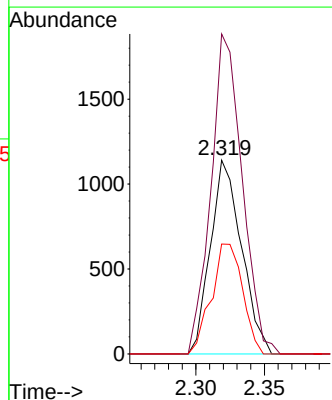
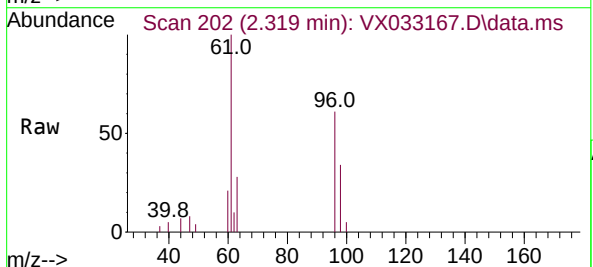
Tgt Ion: 96 Resp: 1802

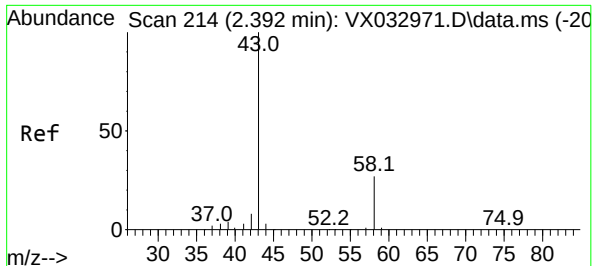
Ion Ratio Lower Upper

96 100

61 165.1 125.1 187.7

98 56.7 50.6 76.0

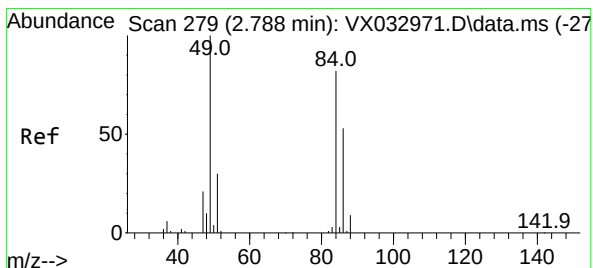
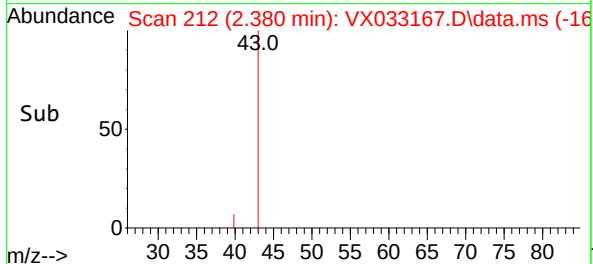
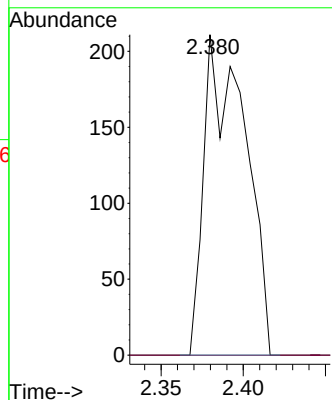
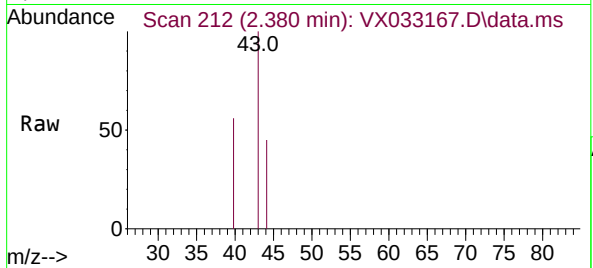




#16
Acetone
Concen: 0.659 ug/l
RT: 2.380 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX033167.D
Acq: 01 Dec 2022 16:41

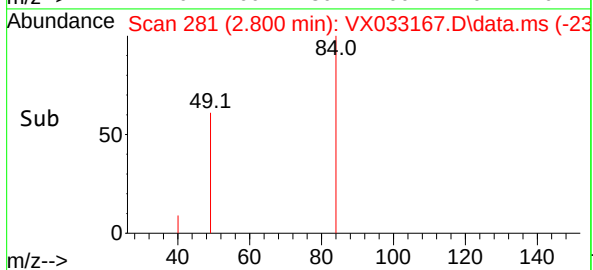
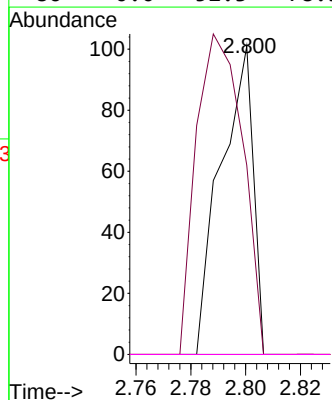
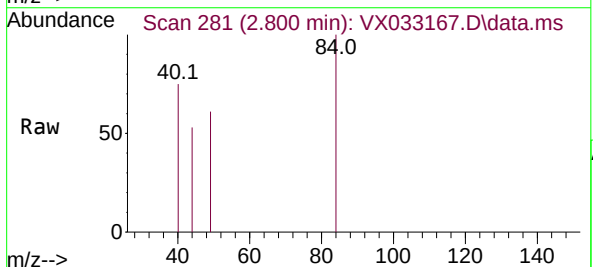
Instrument :
MSVOA_X
ClientSampleId :
22-MW-4I

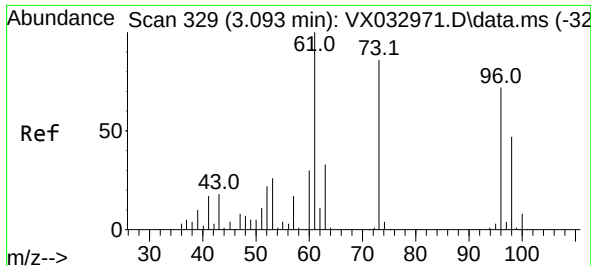
Tgt Ion: 43 Resp: 368
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.800 min Scan# 281
Delta R.T. 0.012 min
Lab File: VX033167.D
Acq: 01 Dec 2022 16:41

Tgt Ion: 84 Resp: 83
Ion Ratio Lower Upper
84 100
49 61.4 101.0 151.6#
51 0.0 31.1 46.7#
86 0.0 52.3 78.5#

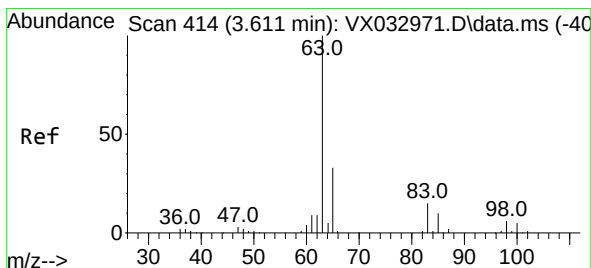
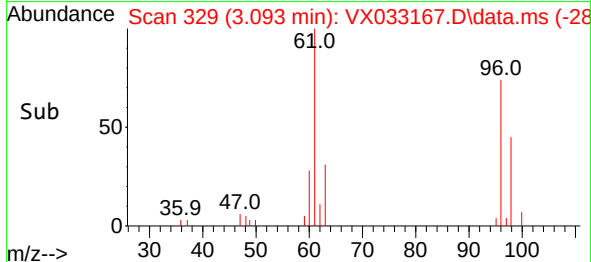
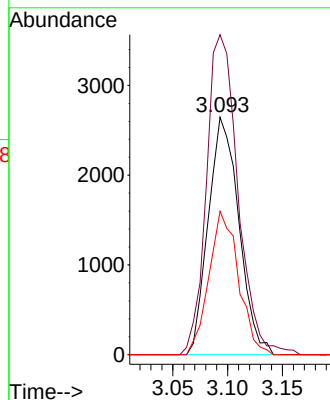
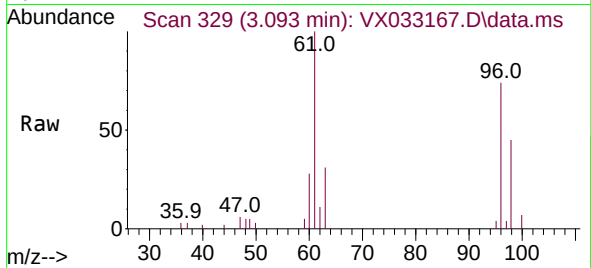




#21
trans-1,2-Dichloroethene
Concen: 4.195 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX033167.D
Acq: 01 Dec 2022 16:41

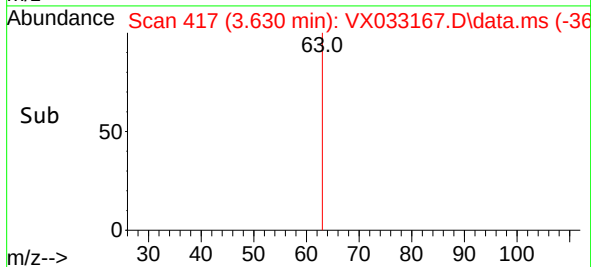
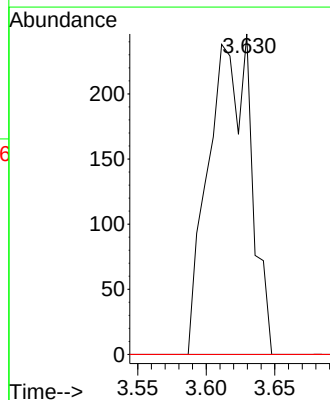
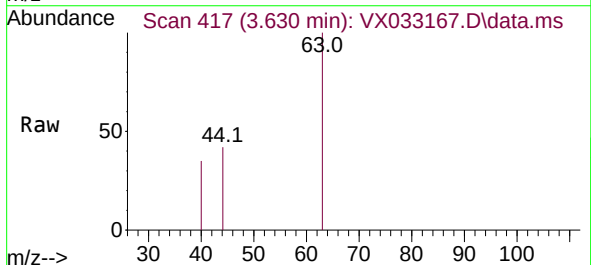
Instrument :
MSVOA_X
ClientSampleId :
22-MW-4I

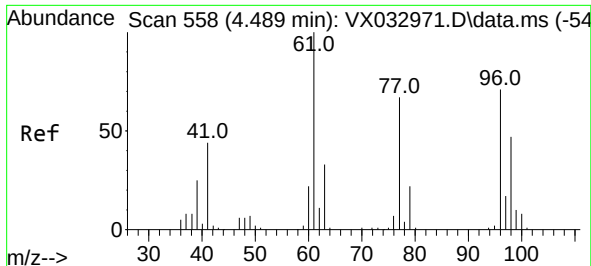
Tgt Ion: 96 Resp: 5141
Ion Ratio Lower Upper
96 100
61 134.8 106.6 160.0
98 60.4 51.0 76.6



#24
1,1-Dichloroethane
Concen: 0.241 ug/l
RT: 3.630 min Scan# 417
Delta R.T. 0.019 min
Lab File: VX033167.D
Acq: 01 Dec 2022 16:41

Tgt Ion: 63 Resp: 520
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.4#
100 0.0 2.3 6.8#



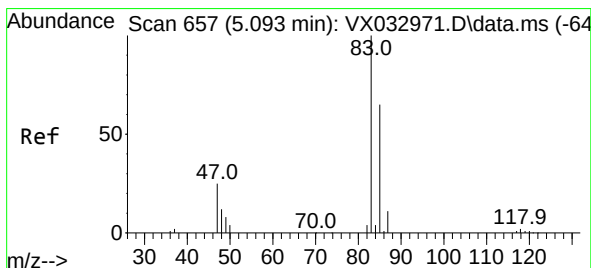
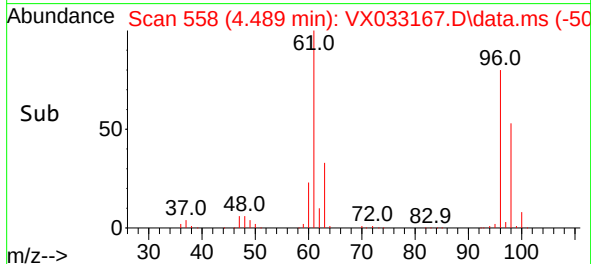
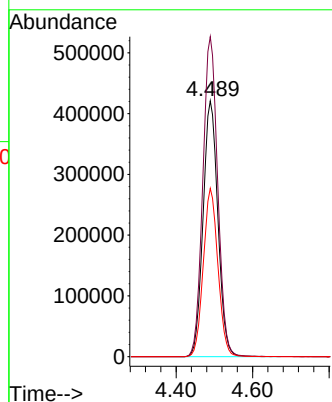
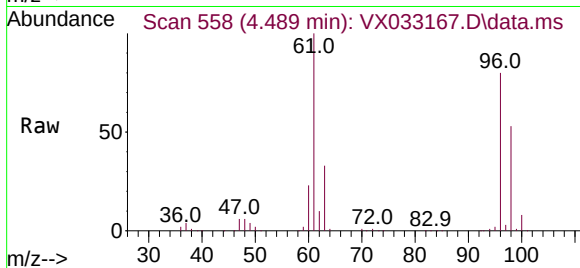


#27
 cis-1,2-Dichloroethene
 Concen: 813.249 ug/l
 RT: 4.489 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VX033167.D
 Acq: 01 Dec 2022 16:41

Instrument :
 MSVOA_X
 ClientSampleId :
 22-MW-4I

Tgt Ion: 96 Resp: 1132276

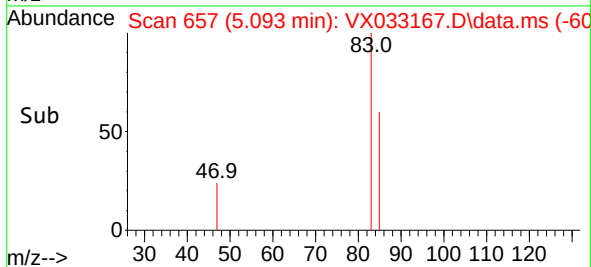
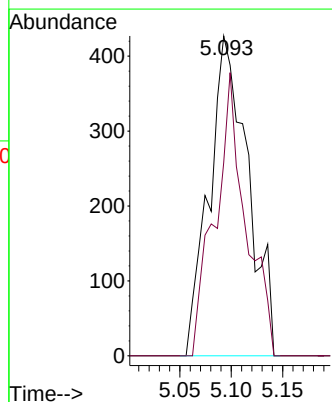
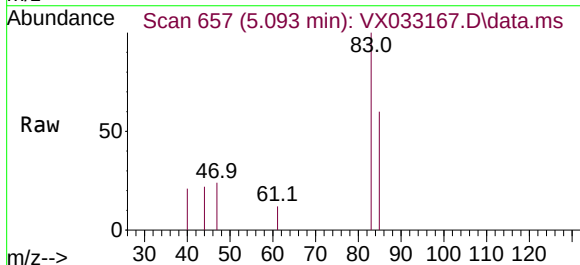
Ion	Ratio	Lower	Upper
96	100		
61	125.6	0.0	286.0
98	64.9	0.0	129.6

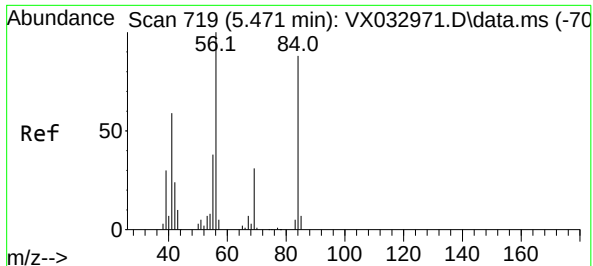


#30
 Chloroform
 Concen: 0.462 ug/l
 RT: 5.093 min Scan# 657
 Delta R.T. -0.006 min
 Lab File: VX033167.D
 Acq: 01 Dec 2022 16:41

Tgt Ion: 83 Resp: 1116

Ion	Ratio	Lower	Upper
83	100		
85	60.4	51.1	76.7

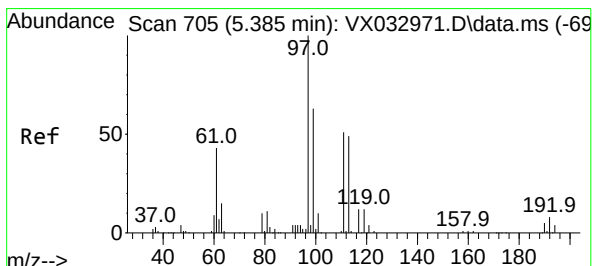
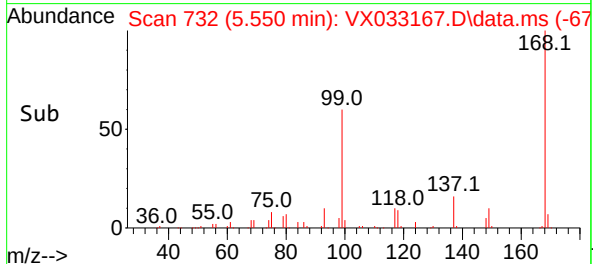
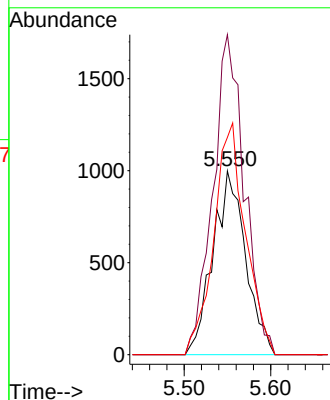
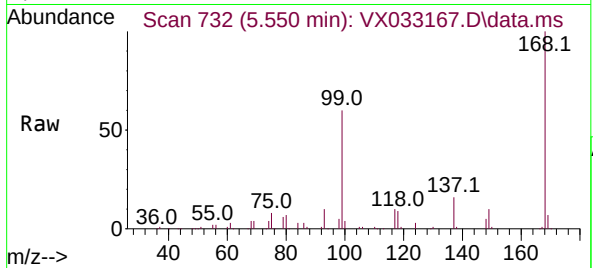




#31
Cyclohexane
Concen: 1.349 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX033167.D
Acq: 01 Dec 2022 16:41

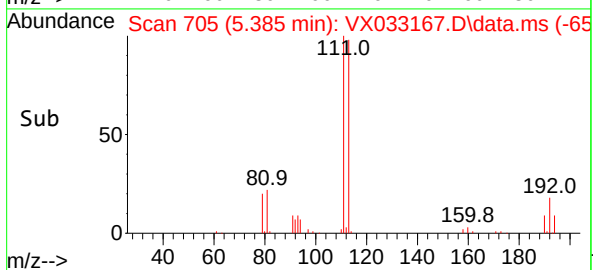
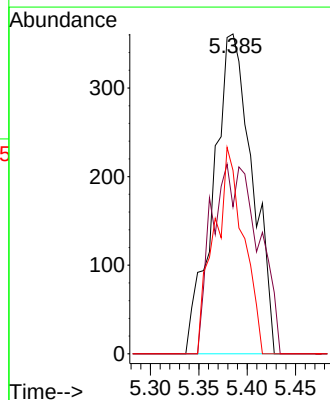
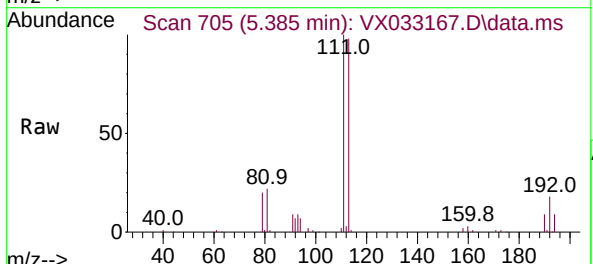
Instrument :
MSVOA_X
ClientSampleId :
22-MW-4I

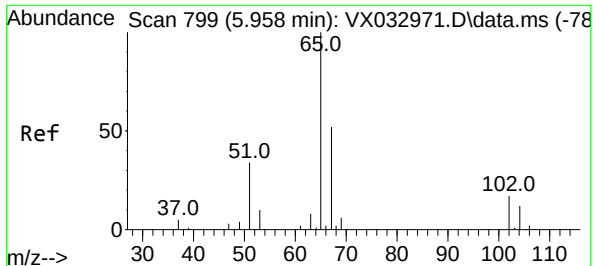
Tgt Ion: 56 Resp: 2614
Ion Ratio Lower Upper
56 100
69 174.2 24.1 36.1#
84 118.3 66.9 100.3#



#32
1,1,1-Trichloroethane
Concen: 0.467 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX033167.D
Acq: 01 Dec 2022 16:41

Tgt Ion: 97 Resp: 1010
Ion Ratio Lower Upper
97 100
99 0.0 51.4 77.0#
61 49.0 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 57.141 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033167.D

Acq: 01 Dec 2022 16:41

Instrument :

MSVOA_X

ClientSampleId :

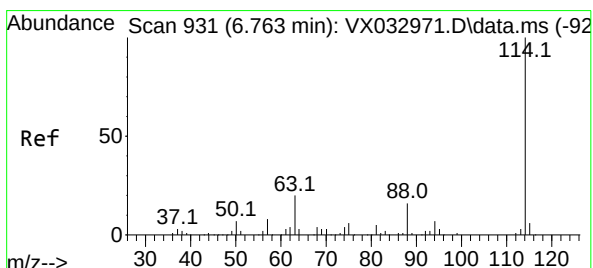
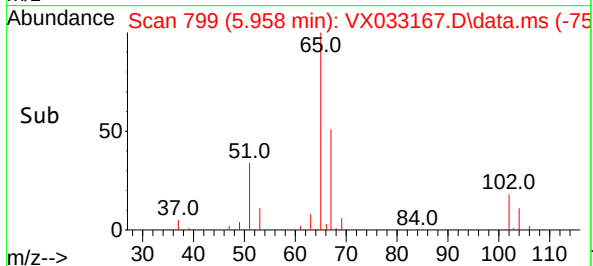
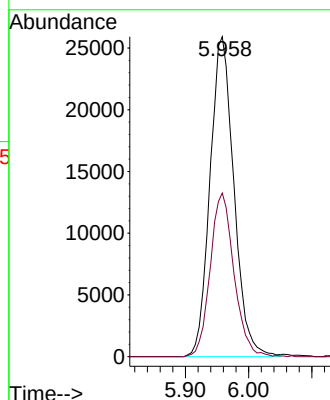
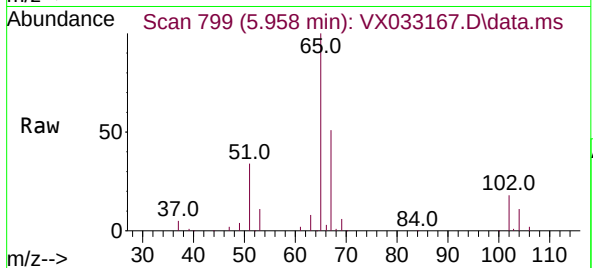
22-MW-4I

Tgt Ion: 65 Resp: 68005

Ion Ratio Lower Upper

65 100

67 50.8 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX033167.D

Acq: 01 Dec 2022 16:41

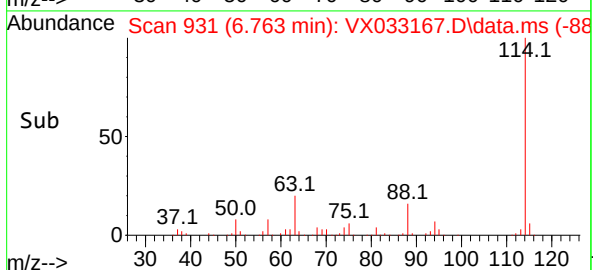
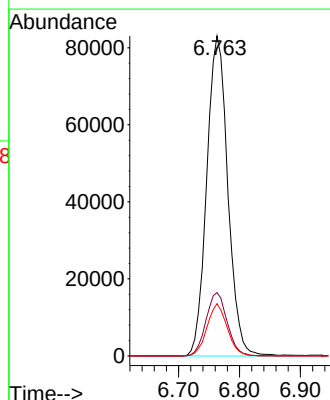
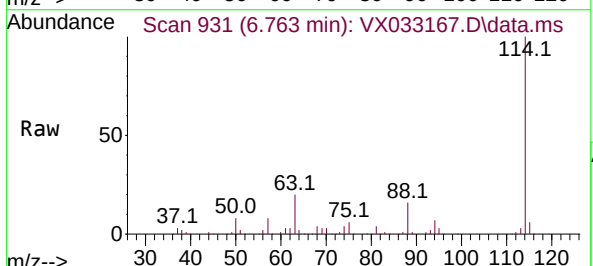
Tgt Ion: 114 Resp: 199791

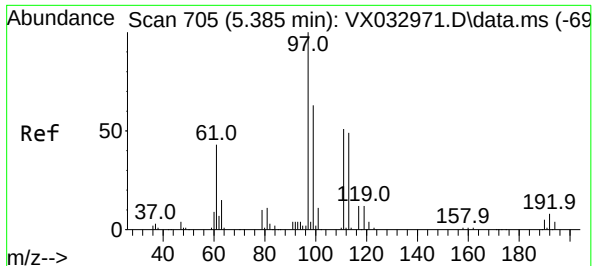
Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.6

88 16.4 0.0 33.4





#35

Dibromofluoromethane

Concen: 48.587 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX033167.D

Acq: 01 Dec 2022 16:41

Instrument :

MSVOA_X

ClientSampleId :

22-MW-4I

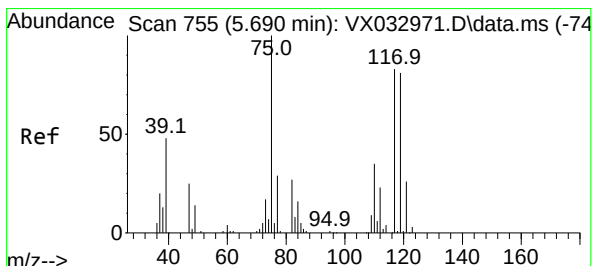
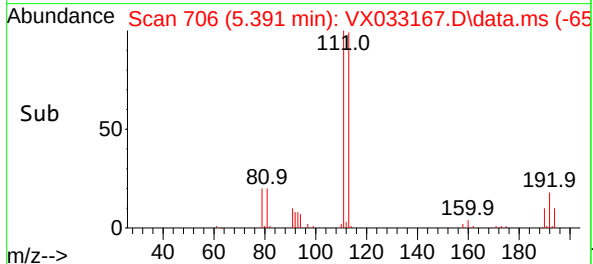
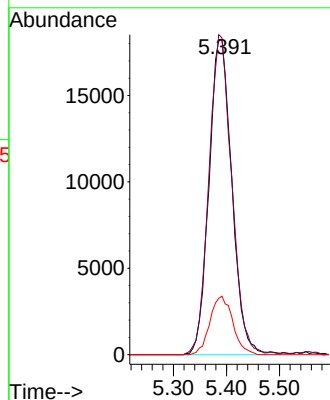
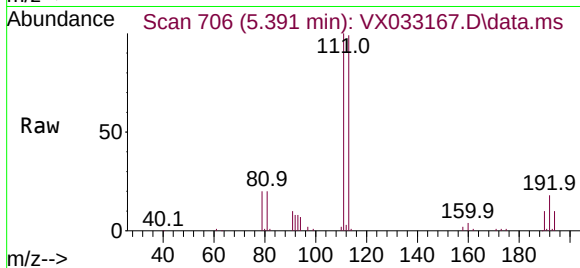
Tgt Ion:113 Resp: 54726

Ion Ratio Lower Upper

113 100

111 101.0 82.4 123.6

192 18.5 15.4 23.2



#36

1,1-Dichloropropene

Concen: 5.540 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX033167.D

Acq: 01 Dec 2022 16:41

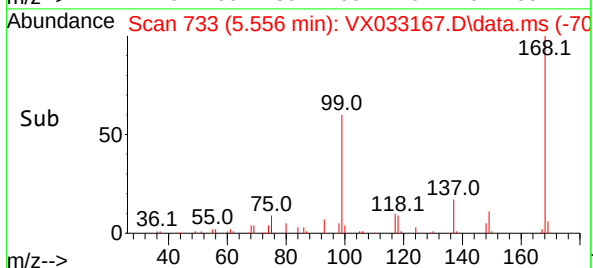
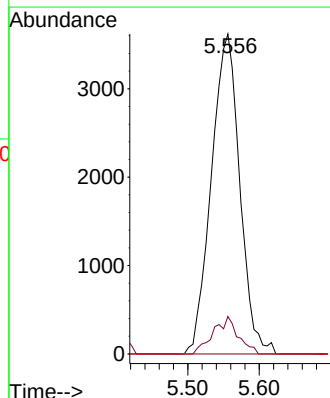
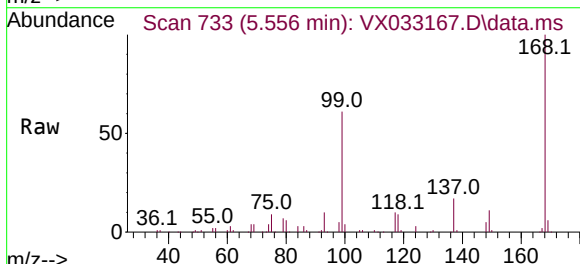
Tgt Ion: 75 Resp: 9978

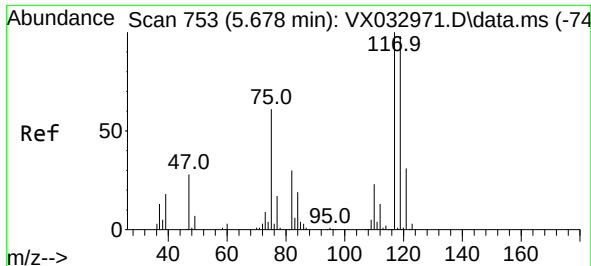
Ion Ratio Lower Upper

75 100

110 10.3 18.4 55.2#

77 0.0 24.5 36.7#

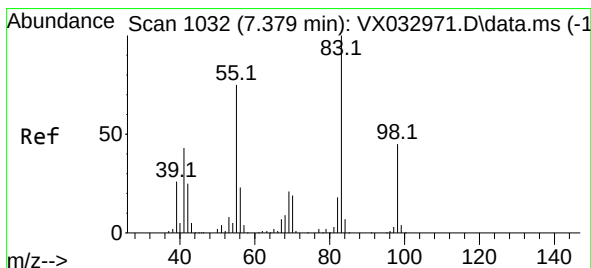
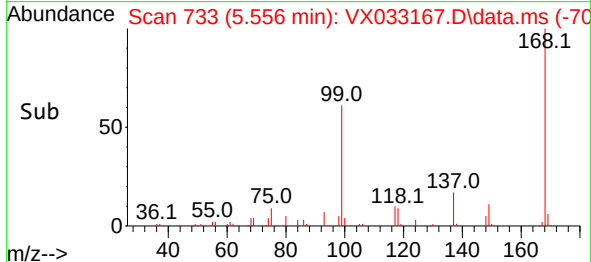
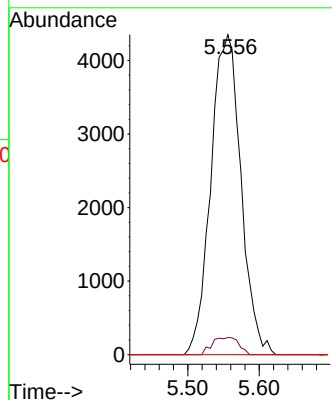
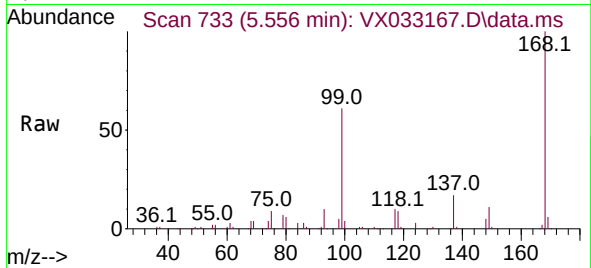




#38
Carbon Tetrachloride
Concen: 6.364 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX033167.D
Acq: 01 Dec 2022 16:41

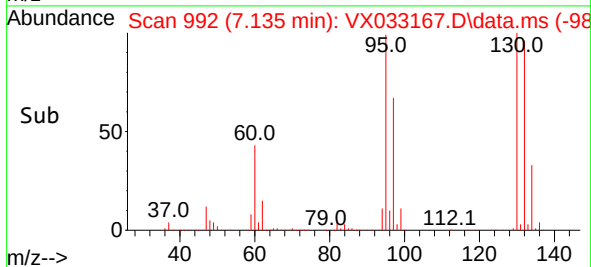
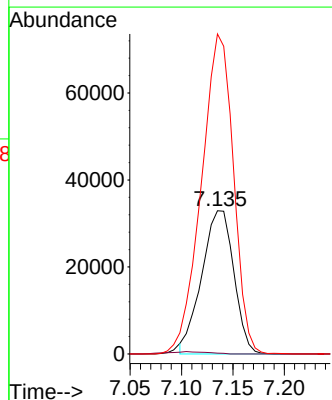
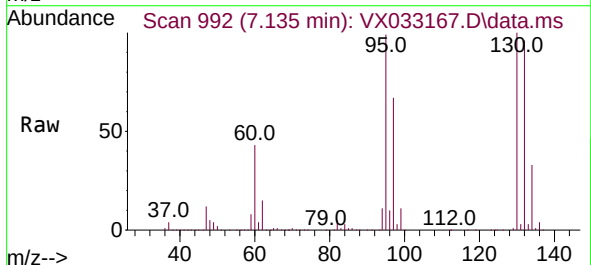
Instrument :
MSVOA_X
ClientSampleId :
22-MW-4I

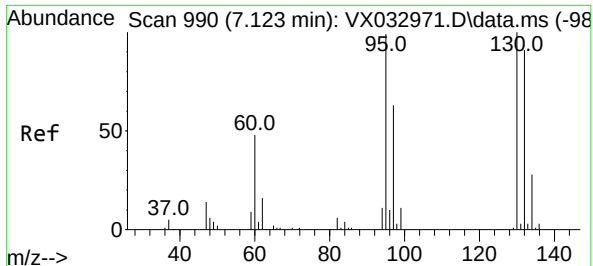
Tgt Ion:117 Resp: 12715
Ion Ratio Lower Upper
117 100
119 5.4 77.2 115.8#
121 0.0 25.8 38.6#



#39
Methylcyclohexane
Concen: 34.809 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.250 min
Lab File: VX033167.D
Acq: 01 Dec 2022 16:41

Tgt Ion: 83 Resp: 71528
Ion Ratio Lower Upper
83 100
55 0.6 58.4 87.6#
98 223.2 37.2 55.8#

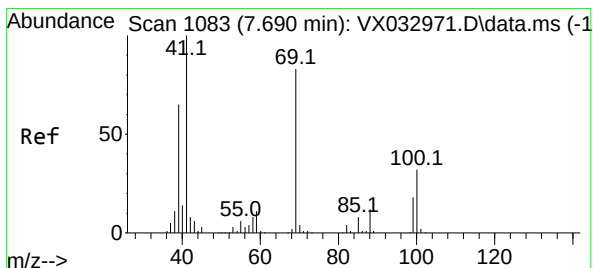
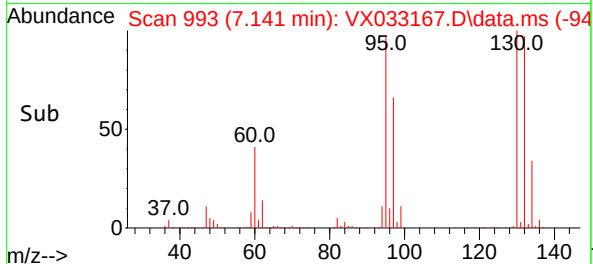
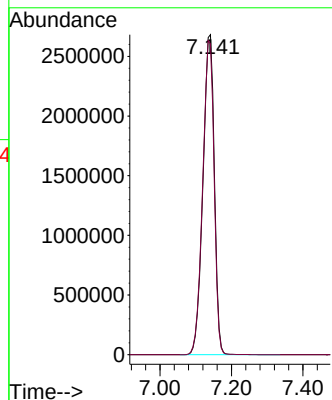
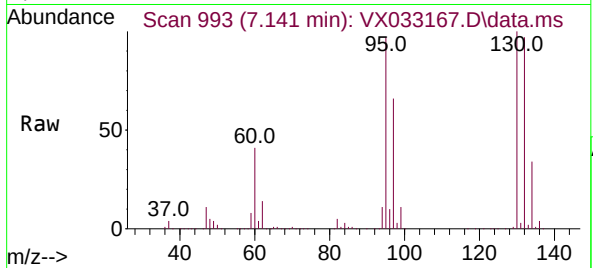




#44
Trichloroethene
Concen: 4178.792 ug/l
RT: 7.141 min Scan# 990
Delta R.T. 0.012 min
Lab File: VX033167.D
Acq: 01 Dec 2022 16:41

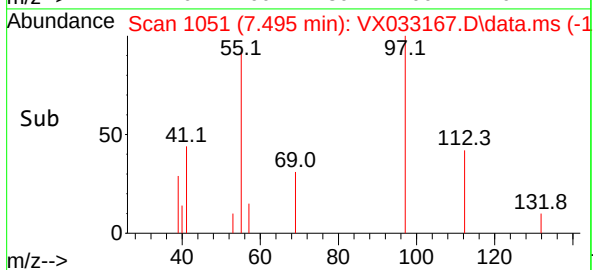
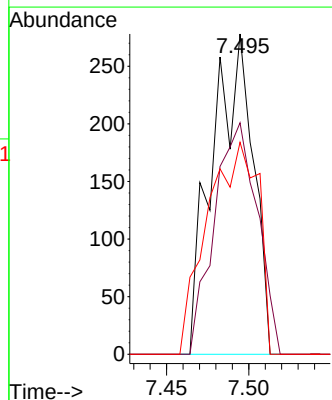
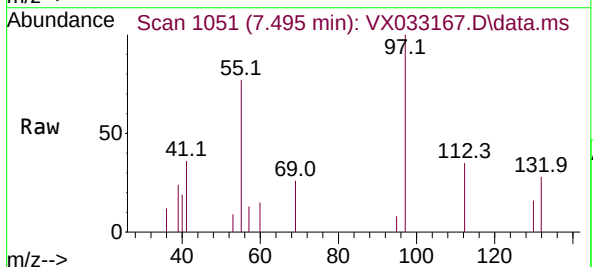
Instrument :
MSVOA_X
ClientSampleId :
22-MW-4I

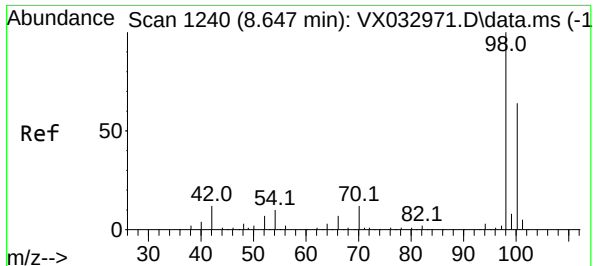
Tgt Ion:130 Resp: 5921109
Ion Ratio Lower Upper
130 100
95 97.1 0.0 195.2



#48
Methyl methacrylate
Concen: 0.357 ug/l
RT: 7.495 min Scan# 1051
Delta R.T. -0.201 min
Lab File: VX033167.D
Acq: 01 Dec 2022 16:41

Tgt Ion: 41 Resp: 478
Ion Ratio Lower Upper
41 100
69 76.6 65.1 97.7
39 83.1 51.9 77.9#





#50

Toluene-d8

Concen: 53.053 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX033167.D

Acq: 01 Dec 2022 16:41

Instrument :

MSVOA_X

ClientSampleId :

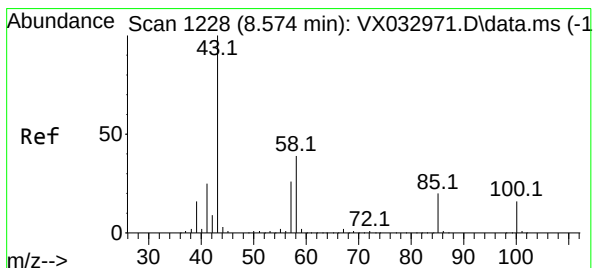
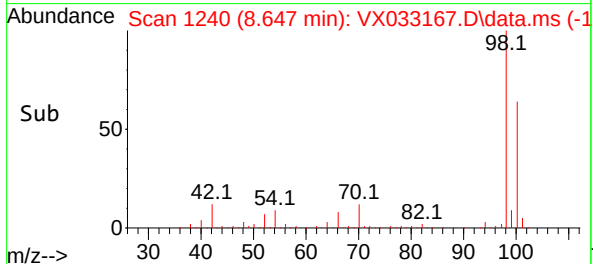
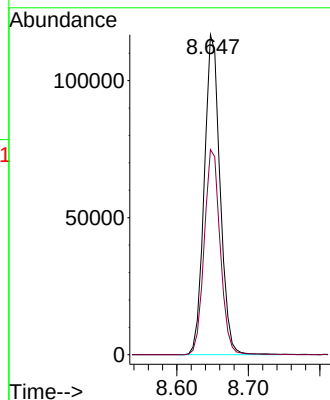
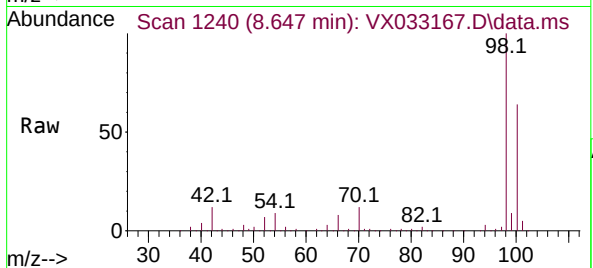
22-MW-4I

Tgt Ion: 98 Resp: 179350

Ion Ratio Lower Upper

98 100

100 64.8 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 0.473 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX033167.D

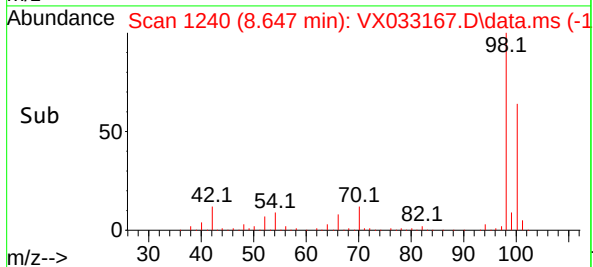
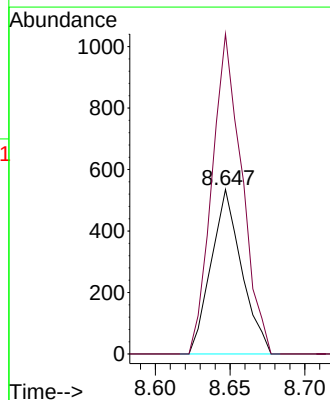
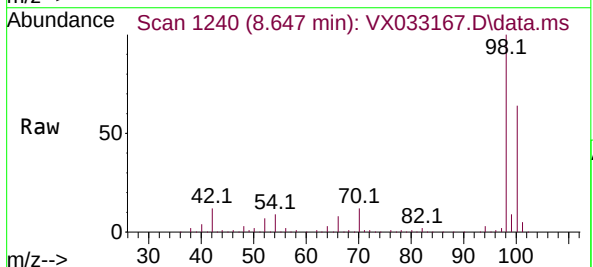
Acq: 01 Dec 2022 16:41

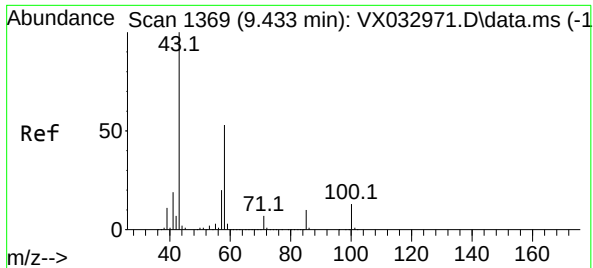
Tgt Ion: 43 Resp: 759

Ion Ratio Lower Upper

43 100

58 190.6 30.9 46.3#

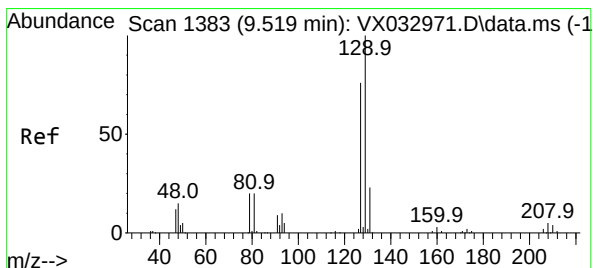
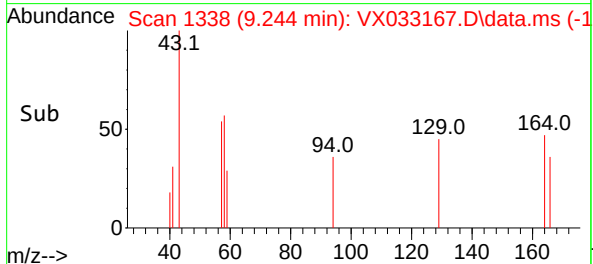
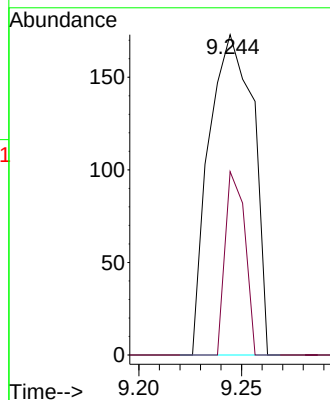
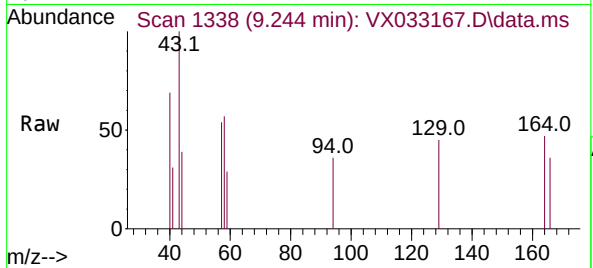




#59
2-Hexanone
Concen: 0.219 ug/l
RT: 9.244 min Scan# 11
Delta R.T. -0.189 min
Lab File: VX033167.D
Acq: 01 Dec 2022 16:41

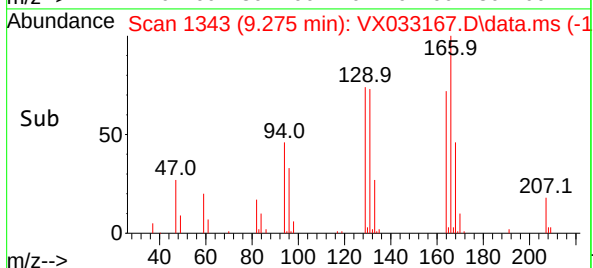
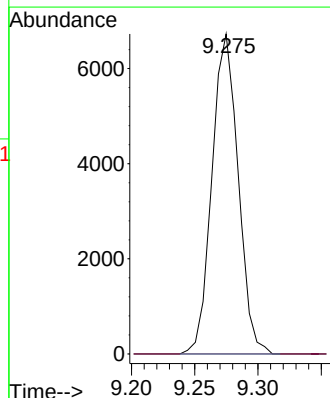
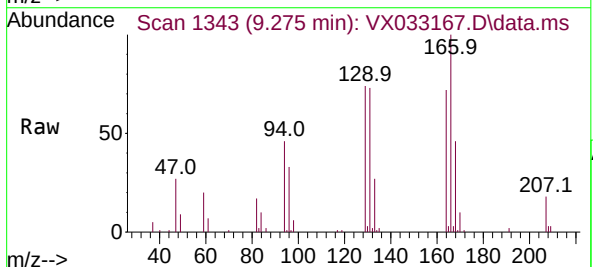
Instrument :
MSVOA_X
ClientSampleId :
22-MW-4I

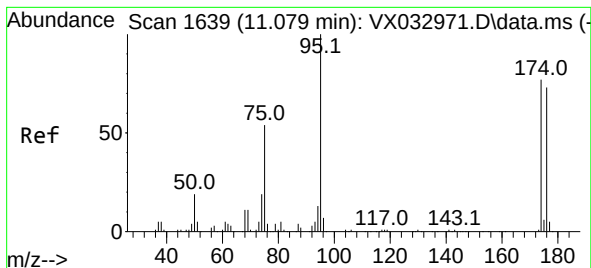
Tgt Ion: 43 Resp: 259
Ion Ratio Lower Upper
43 100
58 25.5 26.5 79.5#



#60
Dibromochloromethane
Concen: 6.660 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX033167.D
Acq: 01 Dec 2022 16:41

Tgt Ion: 129 Resp: 9698
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#

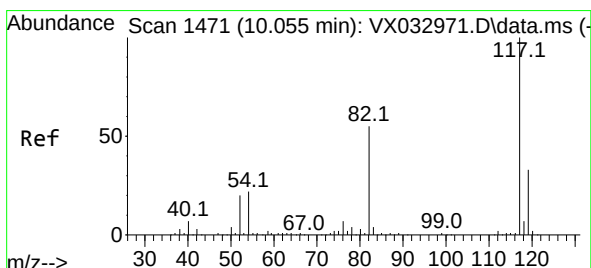
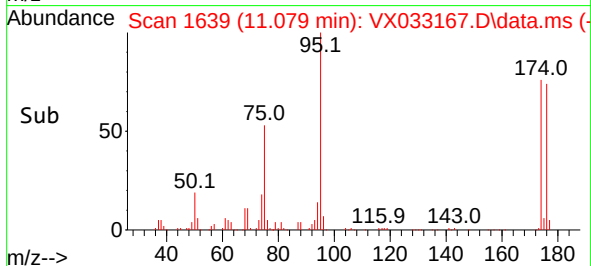
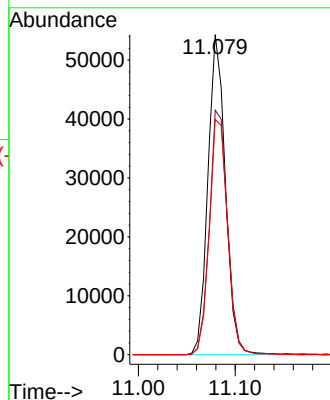
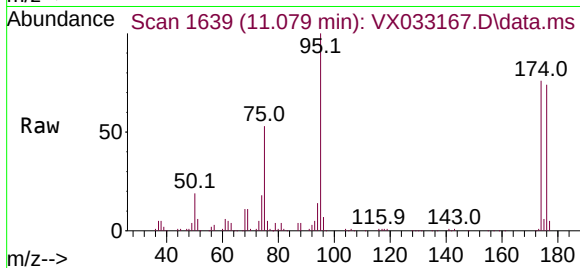




#62
4-Bromofluorobenzene
Concen: 46.027 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033167.D
Acq: 01 Dec 2022 16:41

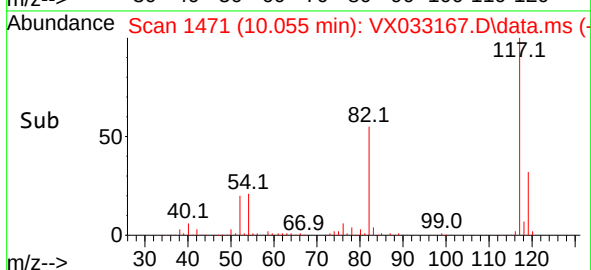
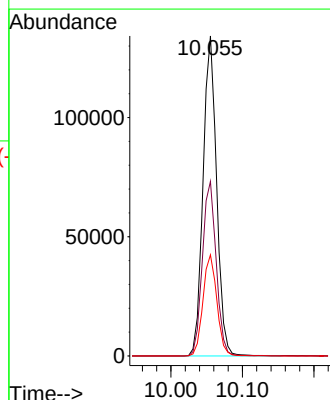
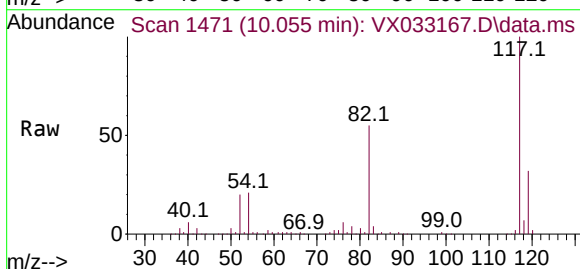
Instrument :
MSVOA_X
ClientSampleId :
22-MW-4I

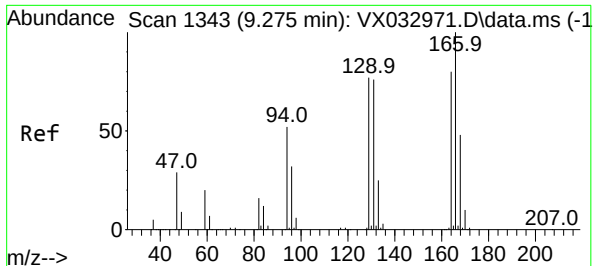
Tgt Ion: 95 Resp: 68101
Ion Ratio Lower Upper
95 100
174 79.6 0.0 164.0
176 77.2 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033167.D
Acq: 01 Dec 2022 16:41

Tgt Ion: 117 Resp: 176593
Ion Ratio Lower Upper
117 100
82 54.5 44.3 66.5
119 31.6 25.7 38.5



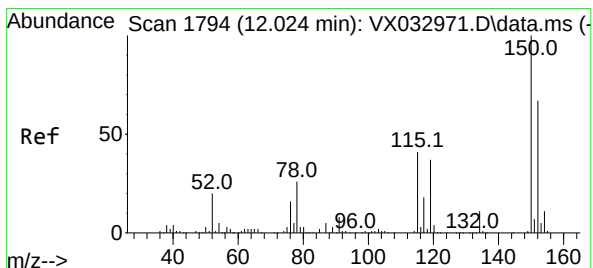
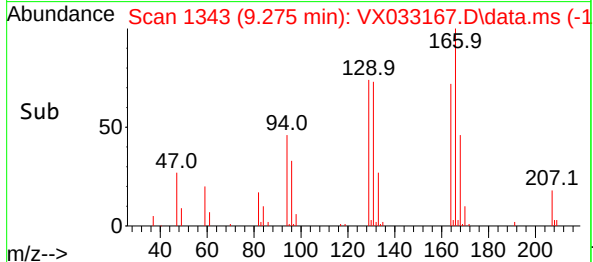
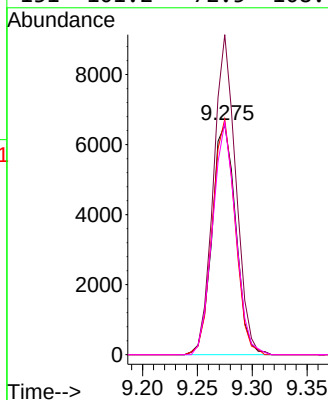
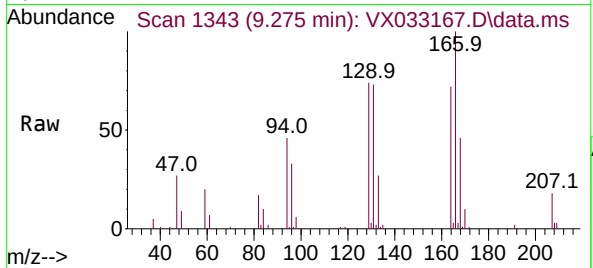


#64
Tetrachloroethene
Concen: 7.896 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033167.D
Acq: 01 Dec 2022 16:41

Instrument :
MSVOA_X
ClientSampleId :
22-MW-4I

Tgt Ion:164 Resp: 9870

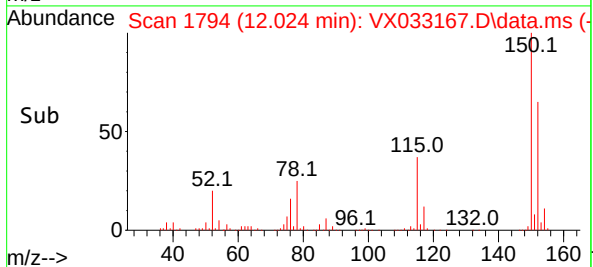
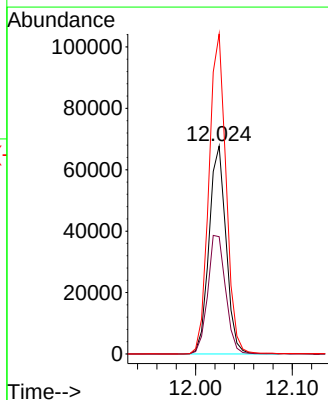
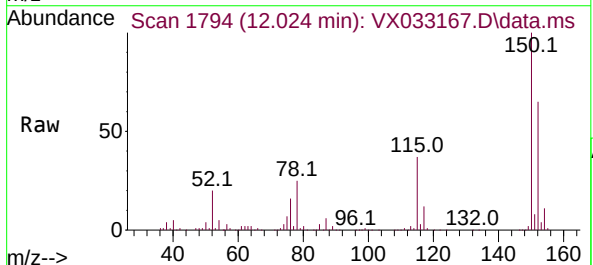
Ion	Ratio	Lower	Upper
164	100		
166	139.4	105.4	158.2
129	102.6	78.2	117.2
131	101.2	72.5	108.7

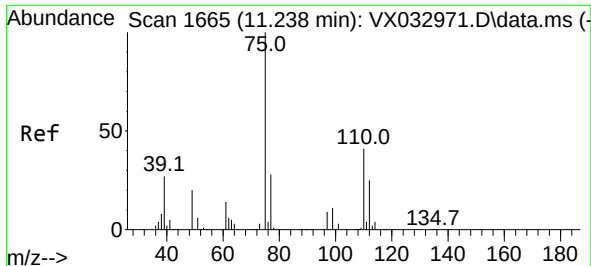


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033167.D
Acq: 01 Dec 2022 16:41

Tgt Ion:152 Resp: 82588

Ion	Ratio	Lower	Upper
152	100		
115	60.0	44.0	132.0
150	155.2	0.0	351.8

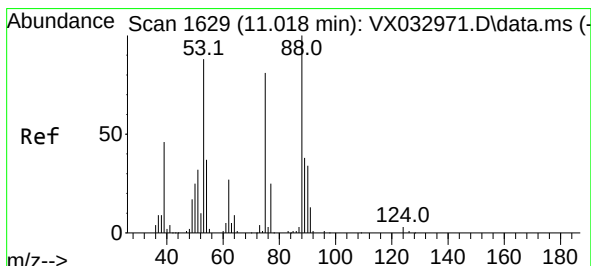
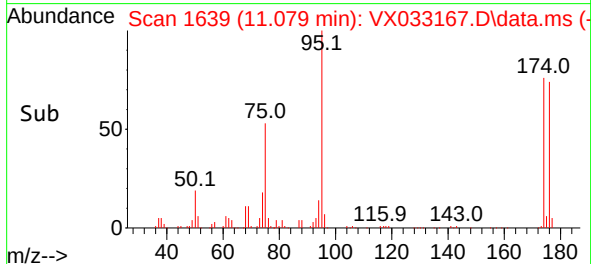
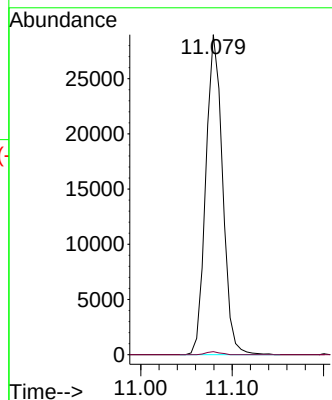
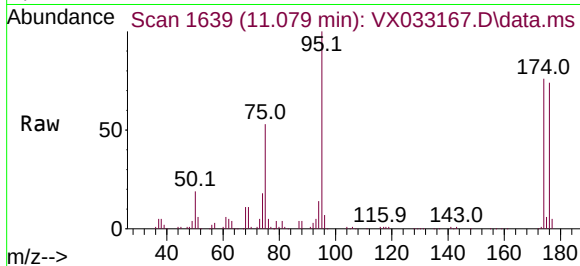




#76
1,2,3-Trichloropropane
Concen: 23.548 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX033167.D
Acq: 01 Dec 2022 16:41

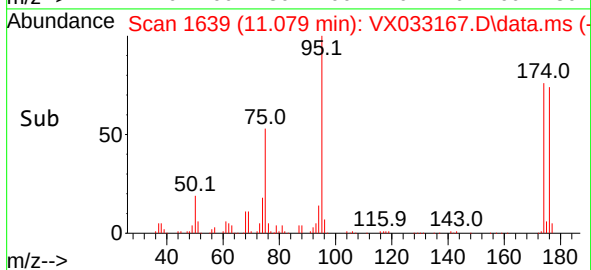
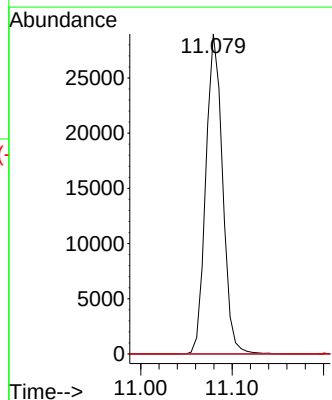
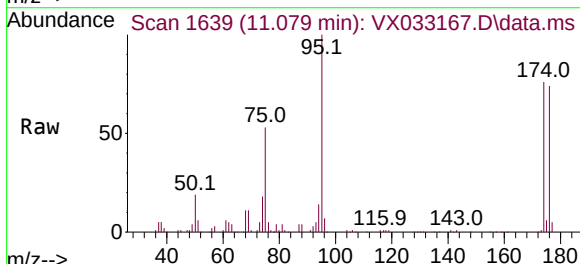
Instrument :
MSVOA_X
ClientSampleId :
22-MW-4I

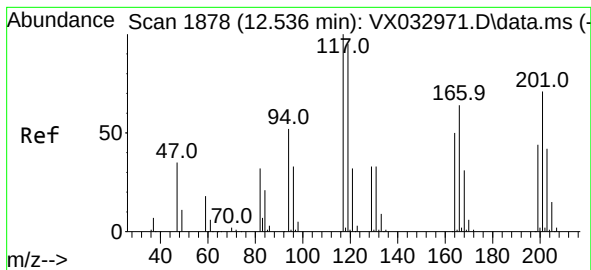
Tgt Ion: 75 Resp: 36831
Ion Ratio Lower Upper
75 100
77 0.8 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.542 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033167.D
Acq: 01 Dec 2022 16:41

Tgt Ion: 75 Resp: 36831
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#





#90

Hexachloroethane

Concen: 0.333 ug/l

RT: 12.701 min Scan# 1905

Delta R.T. 0.159 min

Lab File: VX033167.D

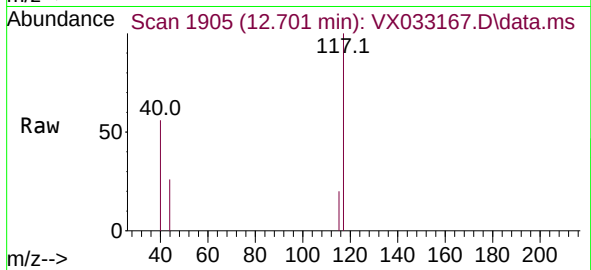
Acq: 01 Dec 2022 16:41

Instrument :

MSVOA_X

ClientSampleId :

22-MW-4I



Tgt Ion:117 Resp: 274

Ion Ratio Lower Upper

117 100

201 0.0 37.6 112.9#

