

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032222\
 Data File : VX027639.D
 Acq On : 23 Mar 2022 02:09
 Operator : JC/MD
 Sample : N2062-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

Quant Time: Mar 23 07:41:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031722W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 15:02:59 2022
 Response via : Initial Calibration

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

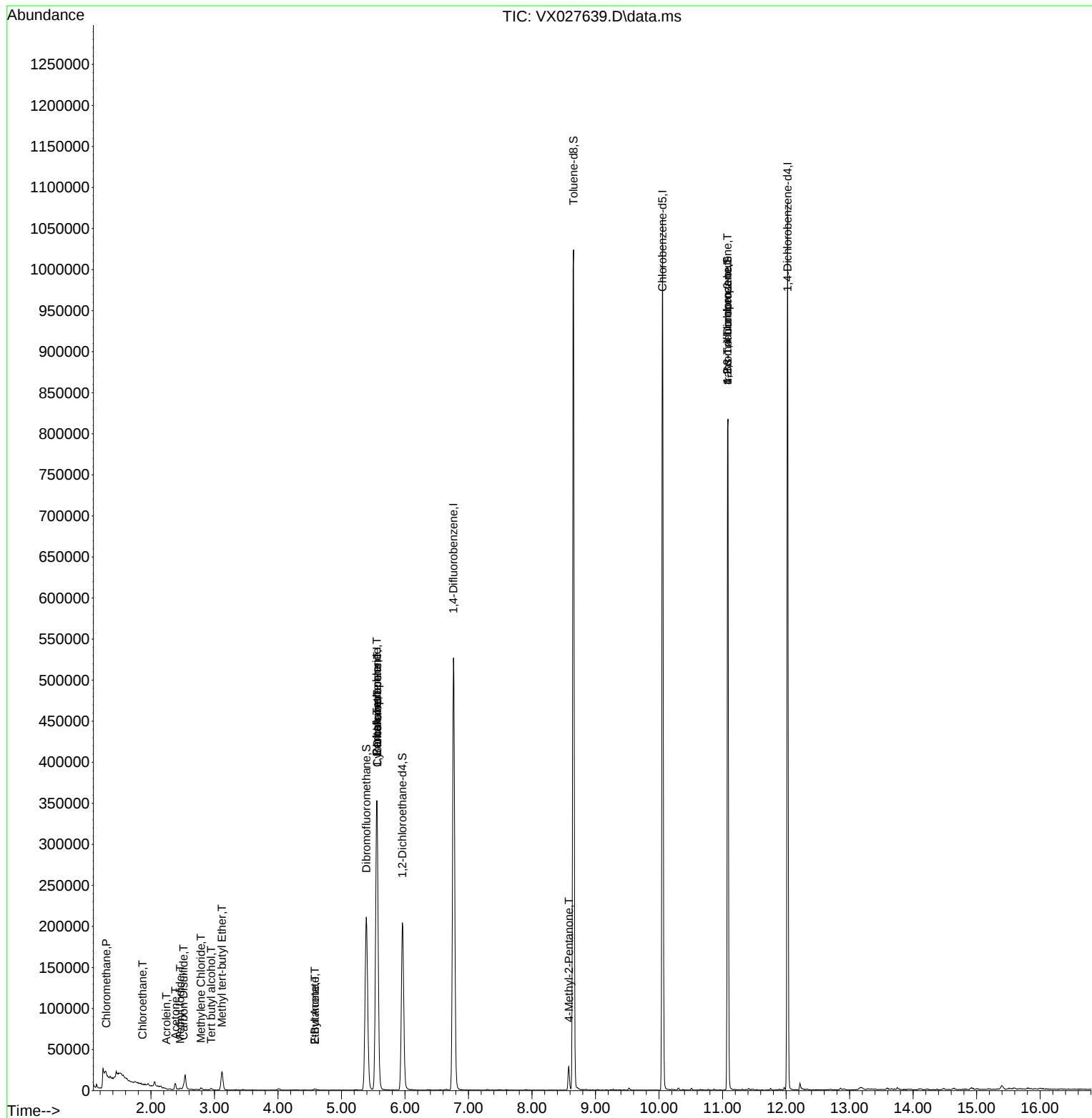
Internal Standards						
1) Pentafluorobenzene	5.556	168	358019	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	575622	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	495620	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	229244	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	196223	44.491	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	88.980%
35) Dibromofluoromethane	5.391	113	186515	50.363	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	100.720%
50) Toluene-d8	8.653	98	648396	46.267	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	92.540%
62) 4-Bromofluorobenzene	11.079	95	225721	43.821	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	87.640%
Target Compounds						Qvalue
3) Chloromethane	1.294	50	650	0.213	ug/l	90
5) Bromomethane	1.611	94	788	Below Cal		99
6) Chloroethane	1.868	64	1770	0.818	ug/l #	47
10) Methyl Iodide	2.459	142	2140	0.467	ug/l #	92
11) Tert butyl alcohol	2.947	59	1484	1.766	ug/l #	72
13) Acrolein	2.239	56	317	0.486	ug/l #	25
16) Acetone	2.386	43	7977	4.437	ug/l	90
17) Carbon Disulfide	2.514	76	7135	0.843	ug/l #	91
19) Methyl tert-butyl Ether	3.117	73	24829	2.214	ug/l	99
20) Methylene Chloride	2.788	84	881	0.228	ug/l #	71
25) 2-Butanone	4.580	43	1929	0.713	ug/l	95
31) Cyclohexane	5.562	56	5541	1.012	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	23453	4.634	ug/l #	50
37) Ethyl Acetate	4.580	43	1929	0.383	ug/l #	65
38) Carbon Tetrachloride	5.556	117	34481	5.955	ug/l #	16
51) 4-Methyl-2-Pentanone	8.580	43	16589	3.202	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	108920	22.715	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	108920	68.987	ug/l #	15

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

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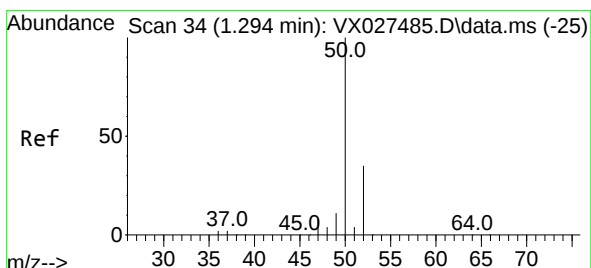
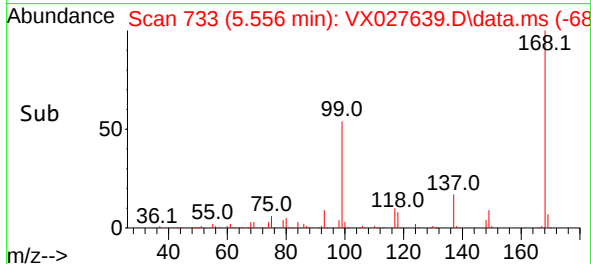
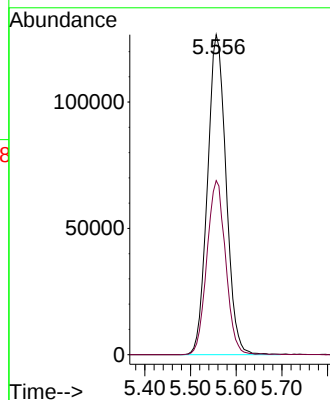
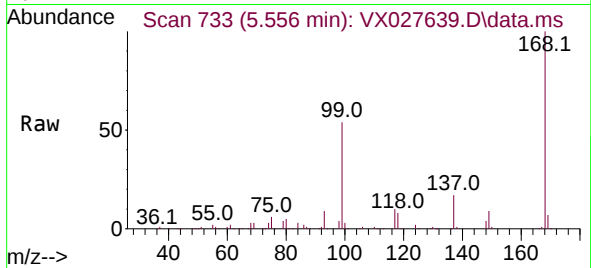




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027639.D
Acq: 23 Mar 2022 02:09

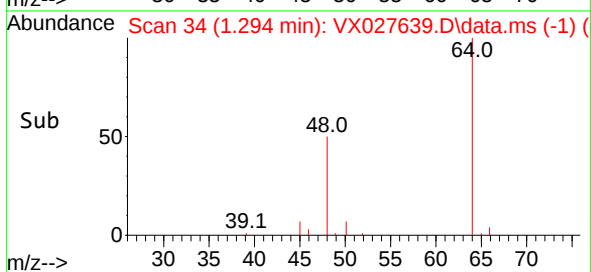
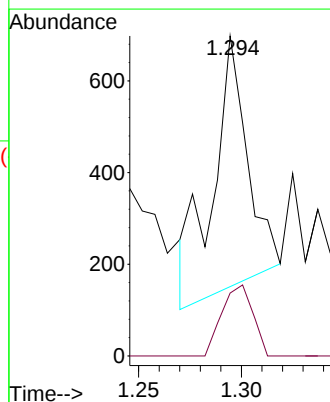
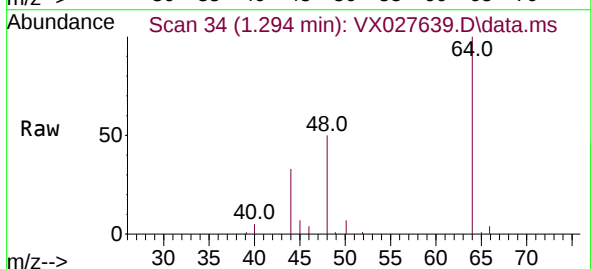
Instrument :
MSVOA_X
ClientSampleId :
MW-4

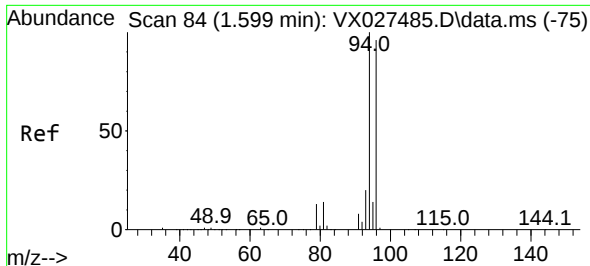
Tgt Ion:168 Resp: 358019
Ion Ratio Lower Upper
168 100
99 54.4 41.7 62.5



#3
Chloromethane
Concen: 0.213 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX027639.D
Acq: 23 Mar 2022 02:09

Tgt Ion: 50 Resp: 650
Ion Ratio Lower Upper
50 100
52 27.6 26.4 39.6

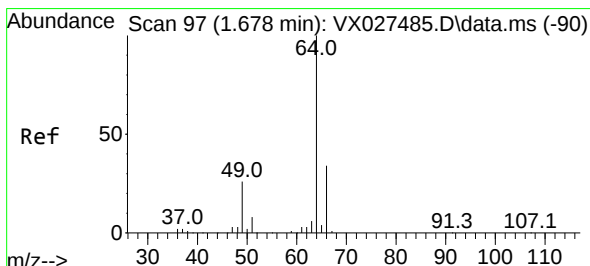
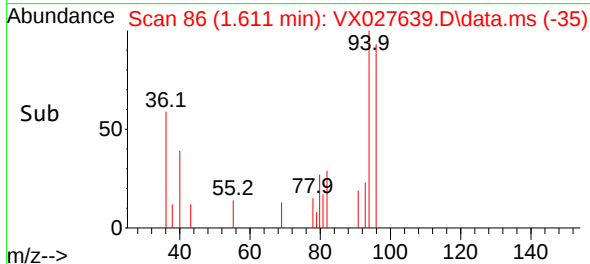
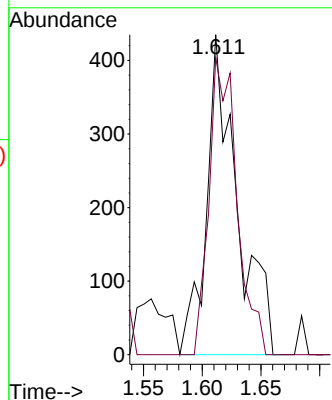
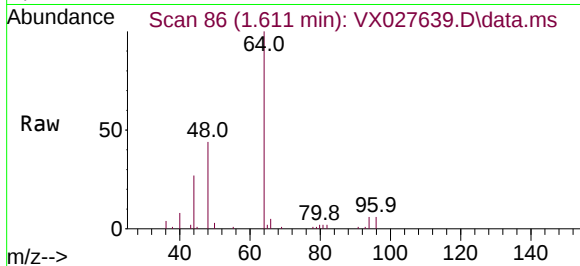




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX027639.D
Acq: 23 Mar 2022 02:09

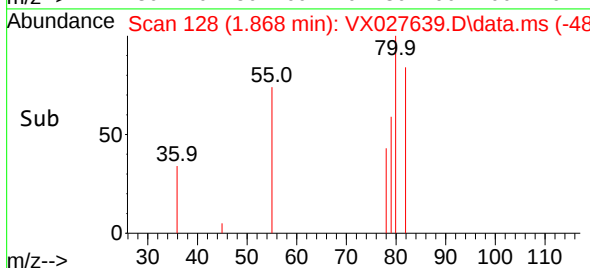
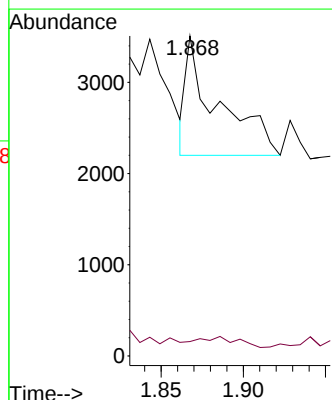
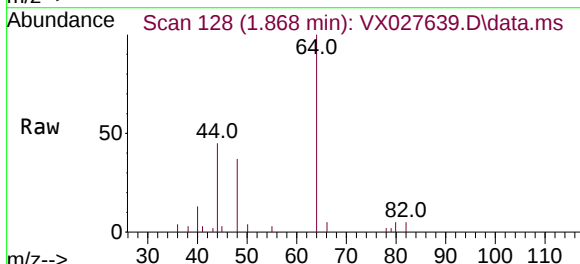
Instrument :
MSVOA_X
ClientSampleId :
MW-4

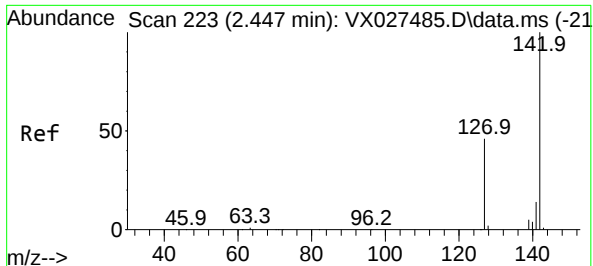
Tgt Ion: 94 Resp: 788
Ion Ratio Lower Upper
94 100
96 92.9 75.3 112.9



#6
Chloroethane
Concen: 0.818 ug/l
RT: 1.868 min Scan# 128
Delta R.T. 0.189 min
Lab File: VX027639.D
Acq: 23 Mar 2022 02:09

Tgt Ion: 64 Resp: 1770
Ion Ratio Lower Upper
64 100
66 2.1 25.3 37.9#

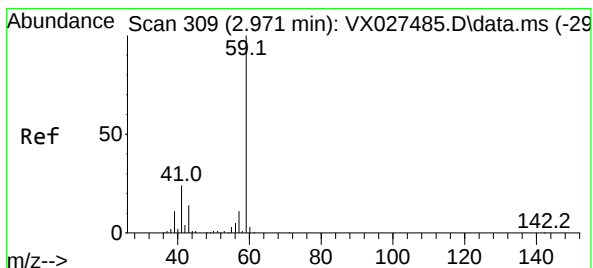
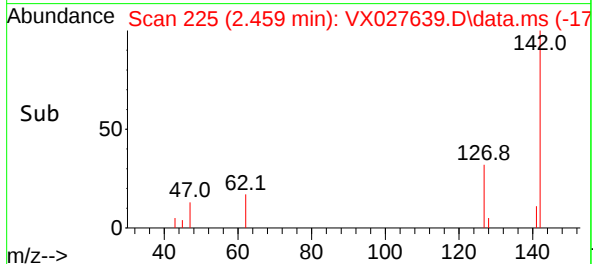
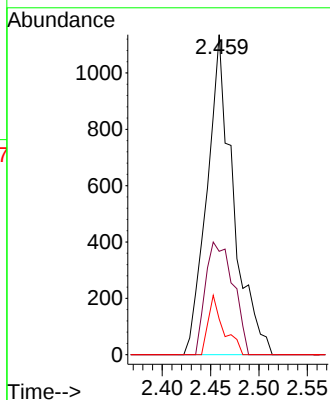
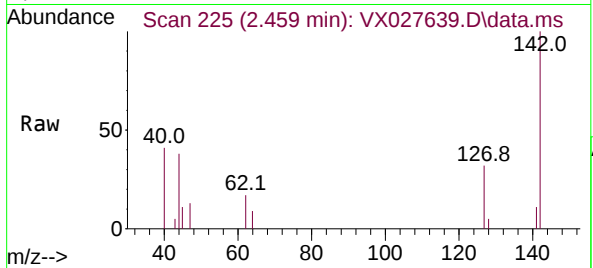




#10
Methyl Iodide
Concen: 0.467 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX027639.D
Acq: 23 Mar 2022 02:09

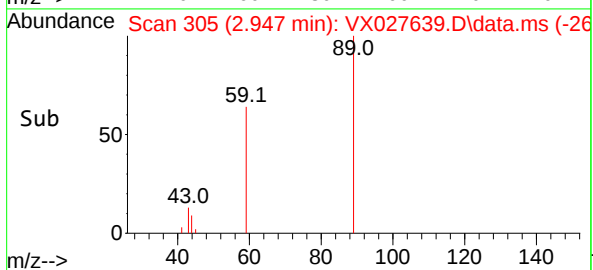
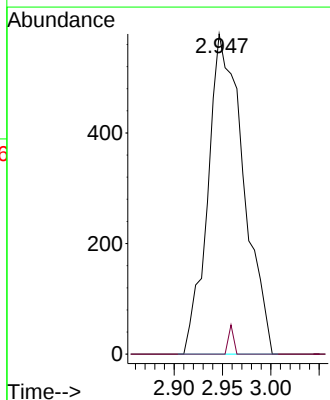
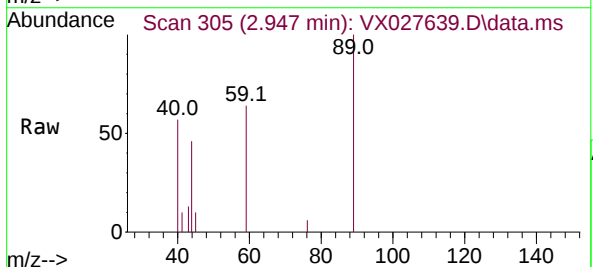
Instrument :
MSVOA_X
ClientSampleId :
MW-4

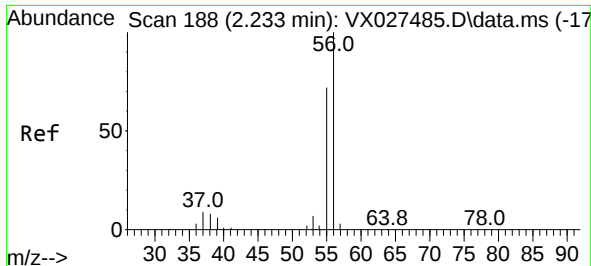
Tgt Ion:142 Resp: 2140
Ion Ratio Lower Upper
142 100
127 37.3 33.9 50.9
141 10.8 11.4 17.2#



#11
Tert butyl alcohol
Concen: 1.766 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.024 min
Lab File: VX027639.D
Acq: 23 Mar 2022 02:09

Tgt Ion: 59 Resp: 1484
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

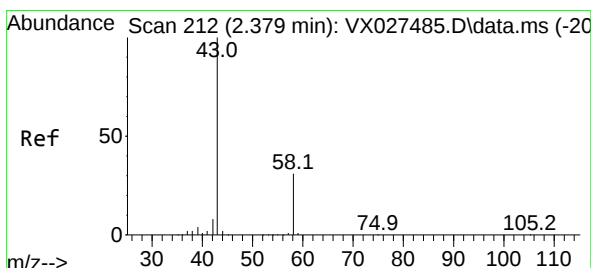
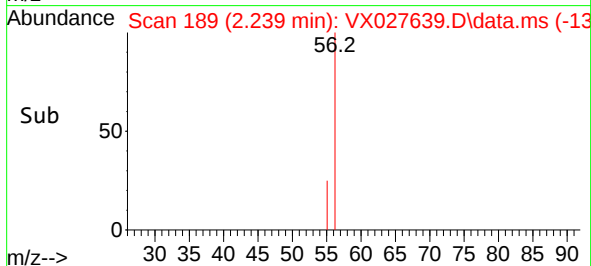
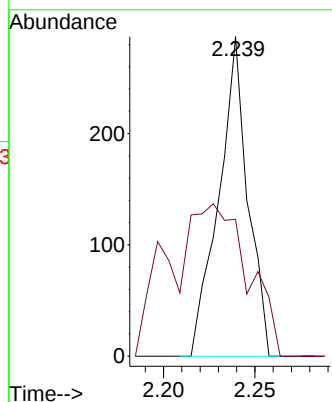
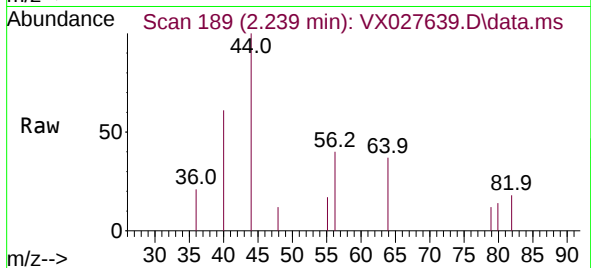




#13
Acrolein
Concen: 0.486 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX027639.D
Acq: 23 Mar 2022 02:09

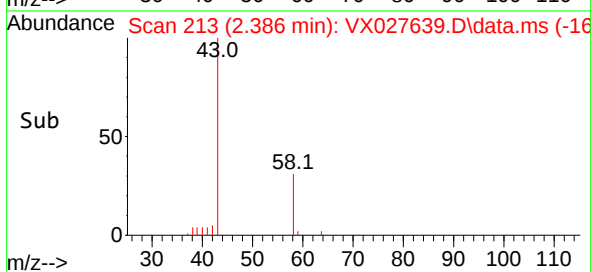
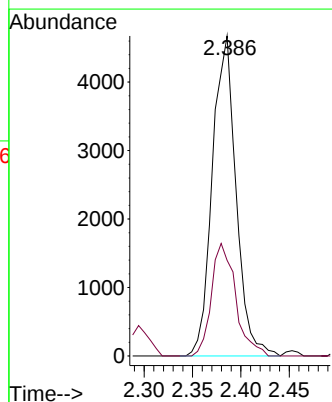
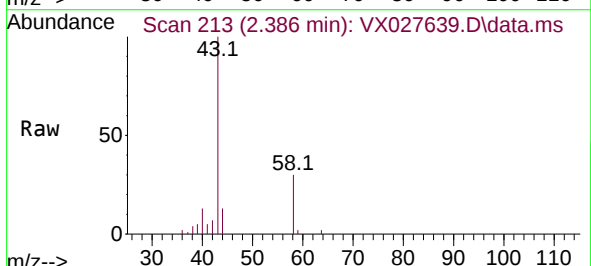
Instrument :
MSVOA_X
ClientSampleId :
MW-4

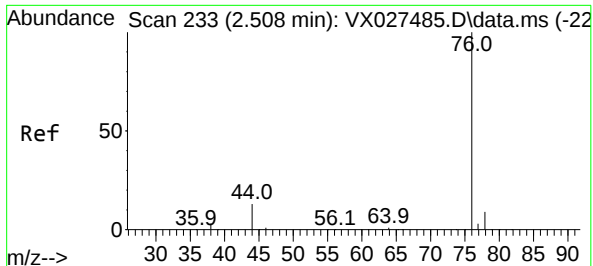
Tgt Ion: 56 Resp: 317
Ion Ratio Lower Upper
56 100
55 129.7 55.0 82.6#



#16
Acetone
Concen: 4.437 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX027639.D
Acq: 23 Mar 2022 02:09

Tgt Ion: 43 Resp: 7977
Ion Ratio Lower Upper
43 100
58 29.9 28.8 43.2





#17

Carbon Disulfide

Concen: 0.843 ug/l

RT: 2.514 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX027639.D

Acq: 23 Mar 2022 02:09

Instrument :

MSVOA_X

ClientSampleId :

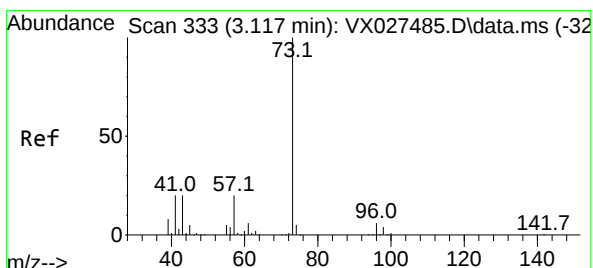
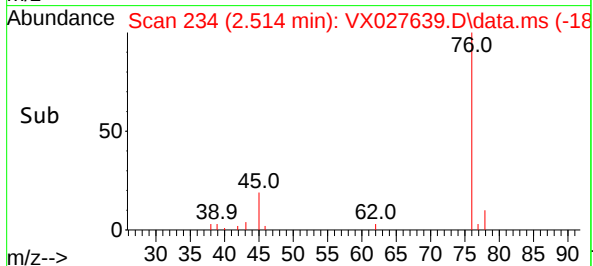
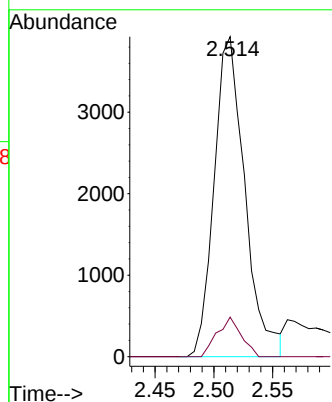
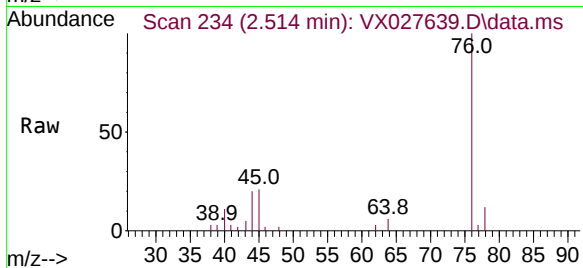
MW-4

Tgt Ion: 76 Resp: 7135

Ion Ratio Lower Upper

76 100

78 12.3 7.2 10.8#



#19

Methyl tert-butyl Ether

Concen: 2.214 ug/l

RT: 3.117 min Scan# 333

Delta R.T. 0.000 min

Lab File: VX027639.D

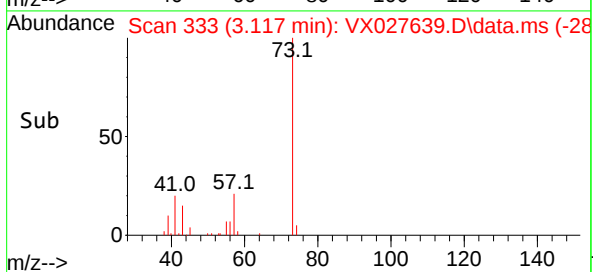
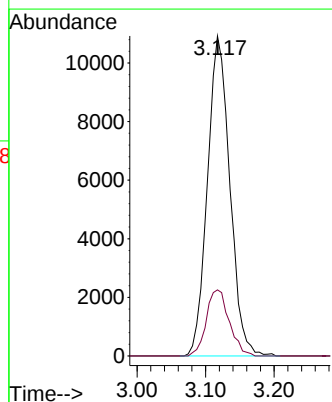
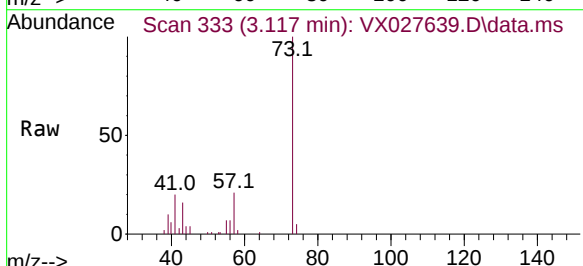
Acq: 23 Mar 2022 02:09

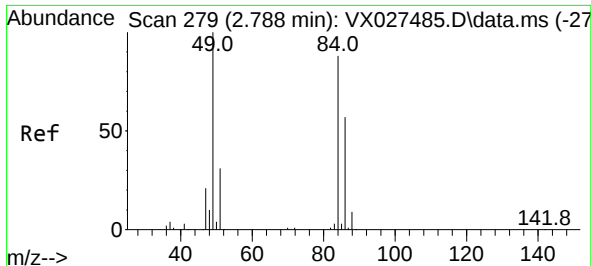
Tgt Ion: 73 Resp: 24829

Ion Ratio Lower Upper

73 100

57 20.6 16.8 25.2

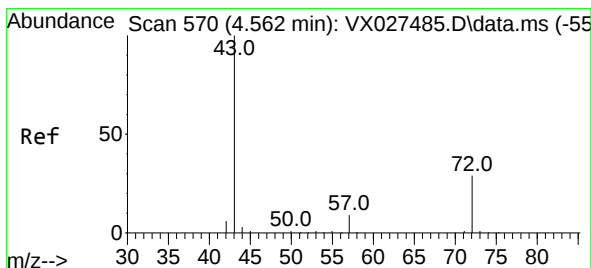
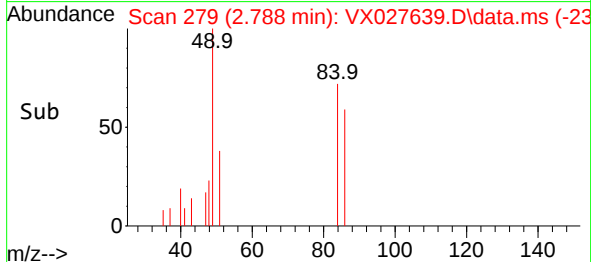
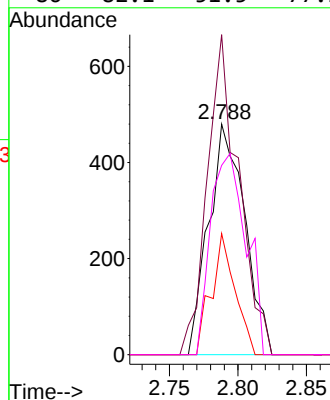
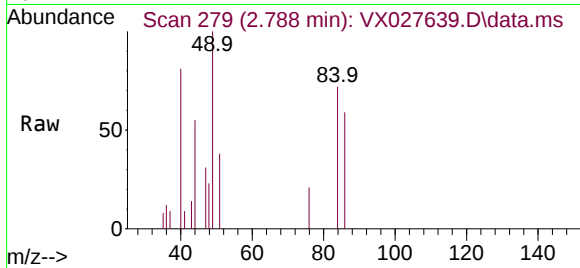




#20
Methylene Chloride
Concen: 0.228 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX027639.D
Acq: 23 Mar 2022 02:09

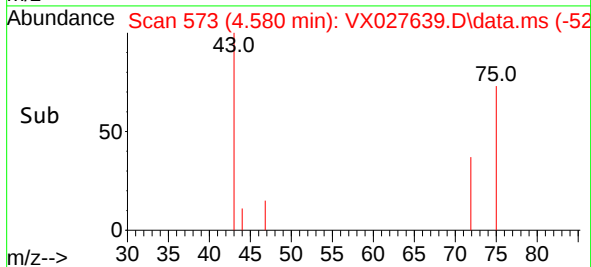
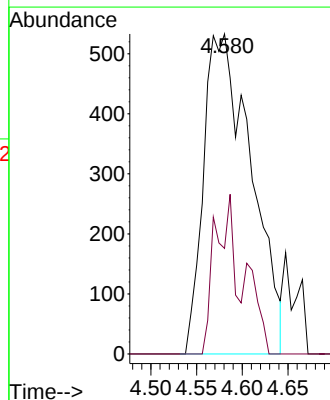
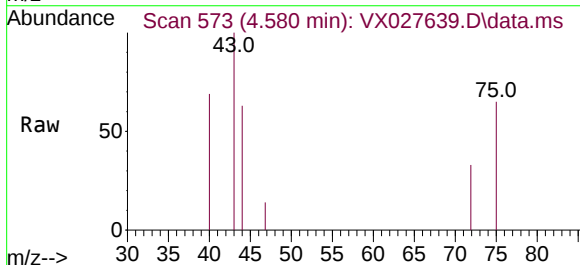
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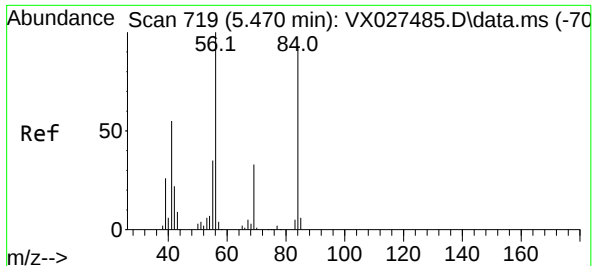
Tgt Ion:	84	Resp:	881
Ion	Ratio	Lower	Upper
84	100		
49	138.8	85.5	128.3#
51	52.5	26.6	39.8#
86	82.1	51.5	77.3#



#25
2-Butanone
Concen: 0.713 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.018 min
Lab File: VX027639.D
Acq: 23 Mar 2022 02:09

Tgt Ion:	43	Resp:	1929
Ion	Ratio	Lower	Upper
43	100		
72	33.0	24.4	36.6

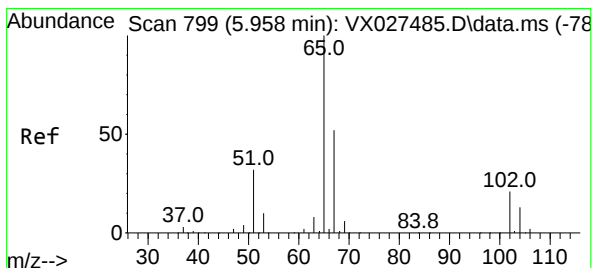
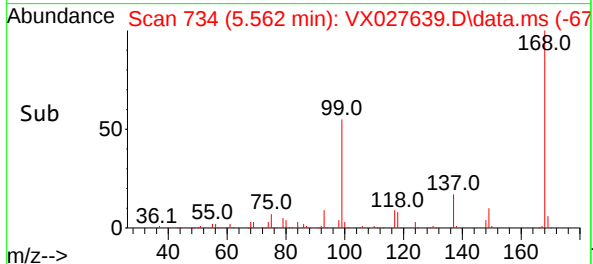
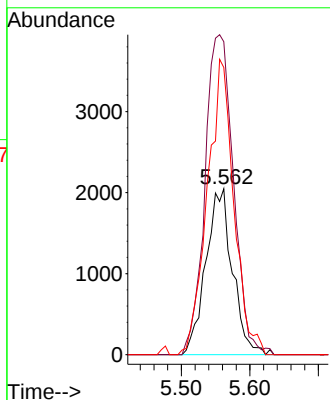
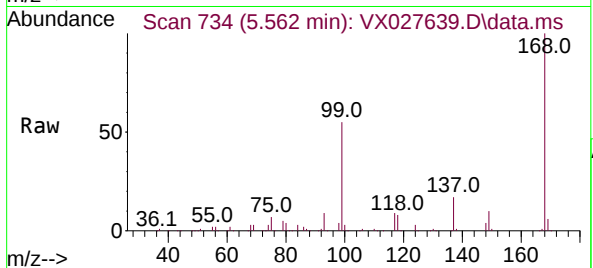




#31
Cyclohexane
Concen: 1.012 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.092 min
Lab File: VX027639.D
Acq: 23 Mar 2022 02:09

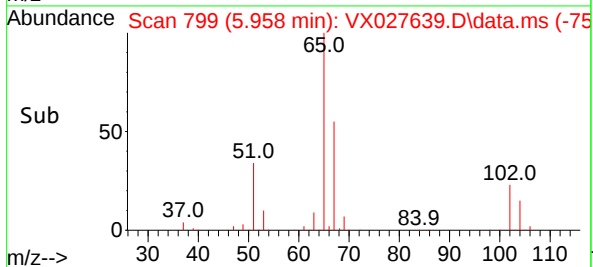
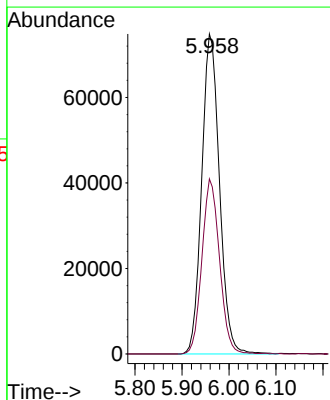
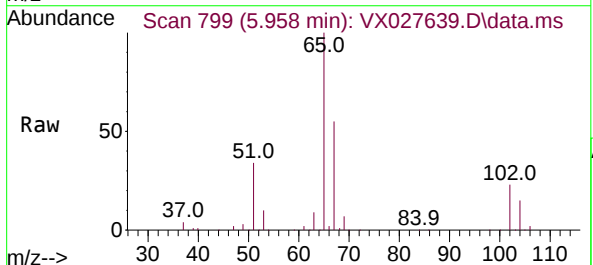
Instrument :
MSVOA_X
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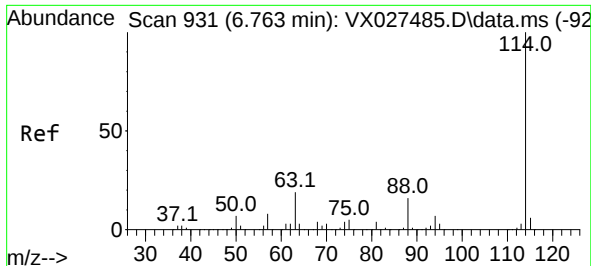
Tgt Ion: 56 Resp: 5541
Ion Ratio Lower Upper
56 100
69 188.6 26.7 40.1#
84 173.1 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 44.491 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX027639.D
Acq: 23 Mar 2022 02:09

Tgt Ion: 65 Resp: 196223
Ion Ratio Lower Upper
65 100
67 54.1 0.0 107.4

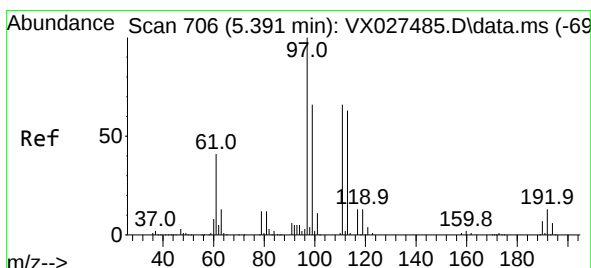
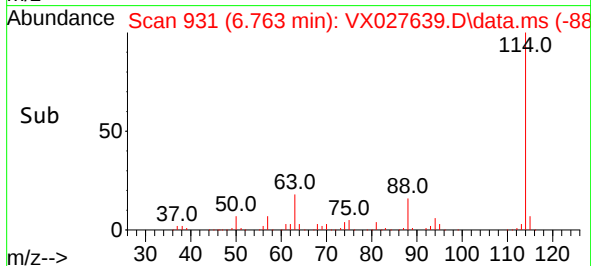
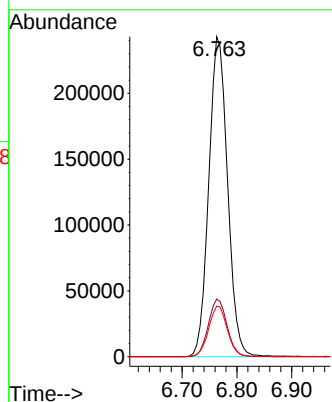
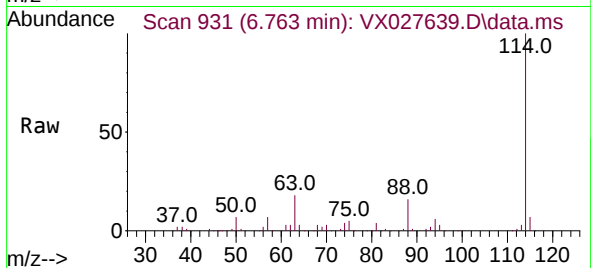




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX027639.D
Acq: 23 Mar 2022 02:09

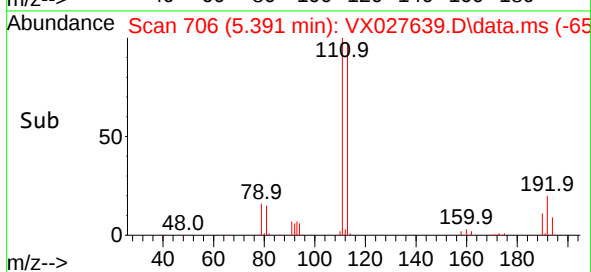
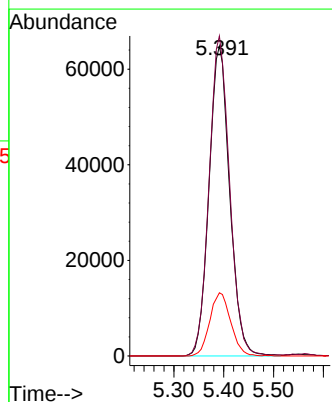
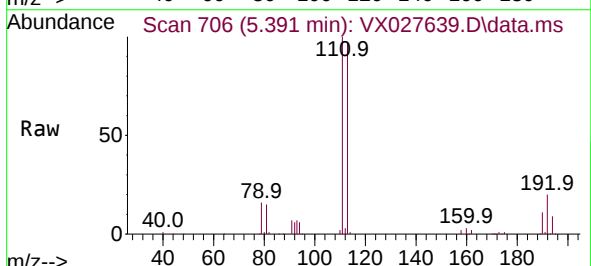
Instrument :
MSVOA_X
ClientSampleId :
MW-4

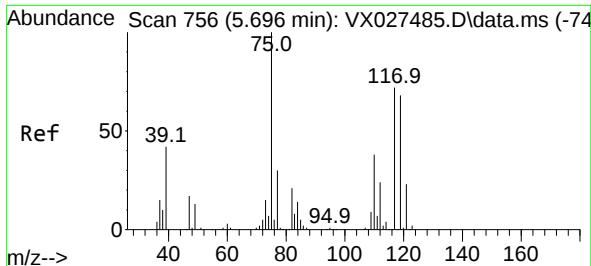
Tgt Ion:114 Resp: 575622
Ion Ratio Lower Upper
114 100
63 18.0 0.0 36.8
88 15.8 0.0 32.4



#35
Dibromofluoromethane
Concen: 50.363 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX027639.D
Acq: 23 Mar 2022 02:09

Tgt Ion:113 Resp: 186515
Ion Ratio Lower Upper
113 100
111 102.5 82.8 124.2
192 20.6 16.9 25.3

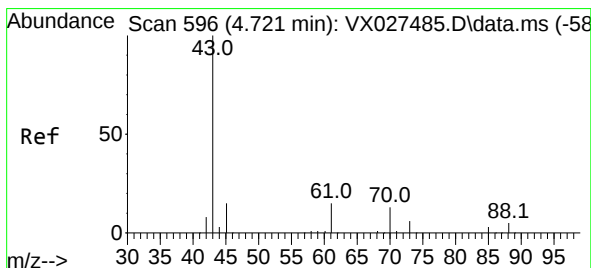
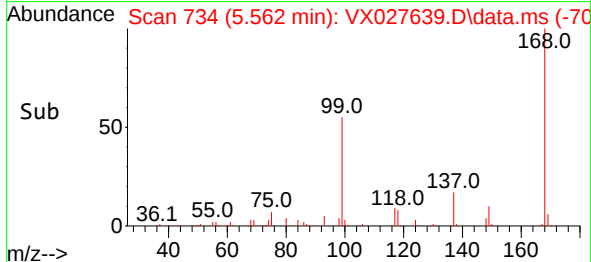
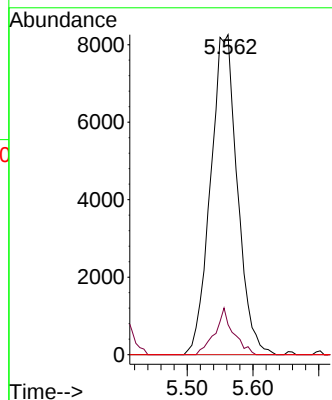
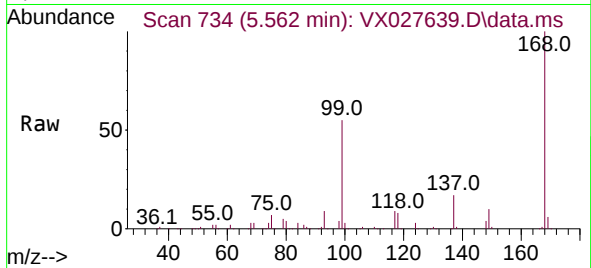




#36
1,1-Dichloropropene
Concen: 4.634 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX027639.D
Acq: 23 Mar 2022 02:09

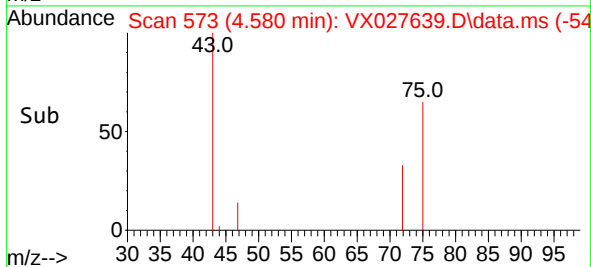
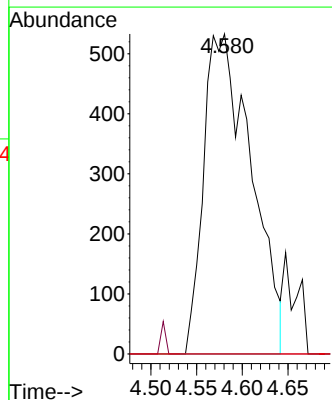
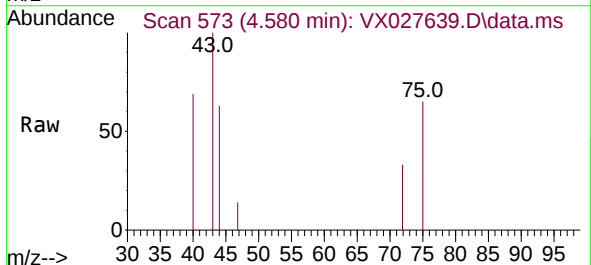
Instrument :
MSVOA_X
ClientSampleId :
MW-4

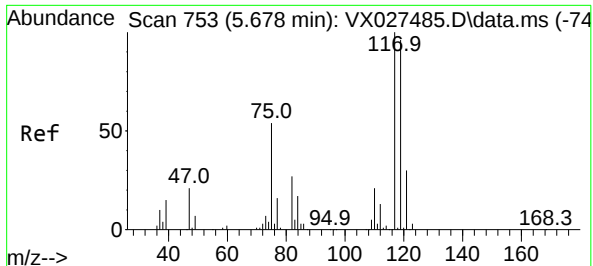
Tgt Ion: 75 Resp: 23453
Ion Ratio Lower Upper
75 100
110 10.0 18.3 54.8#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 0.383 ug/l
RT: 4.580 min Scan# 573
Delta R.T. -0.140 min
Lab File: VX027639.D
Acq: 23 Mar 2022 02:09

Tgt Ion: 43 Resp: 1929
Ion Ratio Lower Upper
43 100
61 0.0 12.6 19.0#
70 0.0 10.2 15.2#

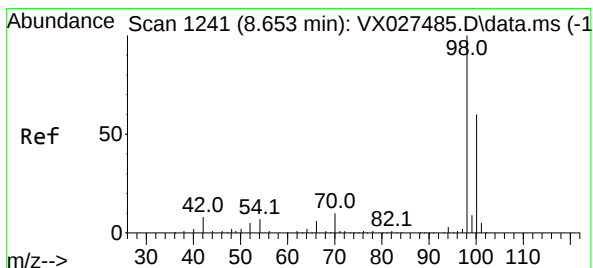
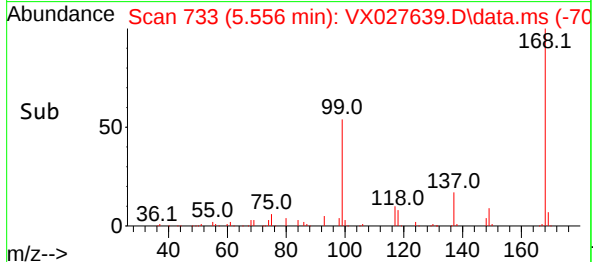
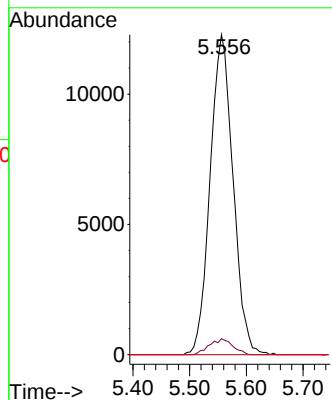
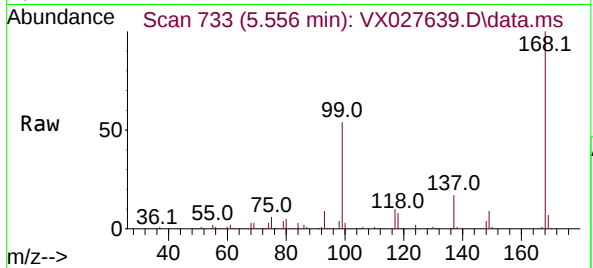




#38
Carbon Tetrachloride
Concen: 5.955 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX027639.D
Acq: 23 Mar 2022 02:09

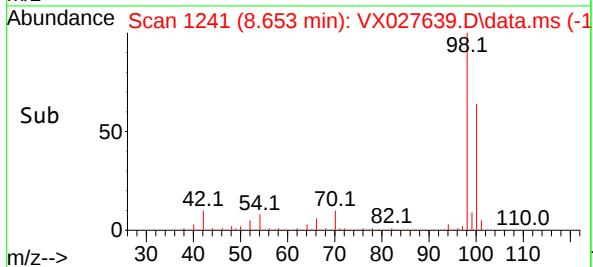
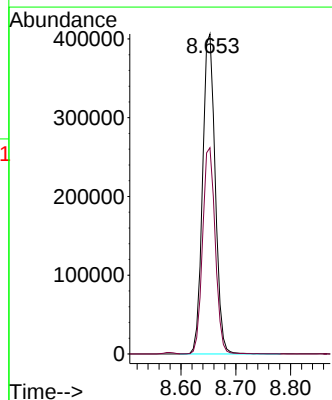
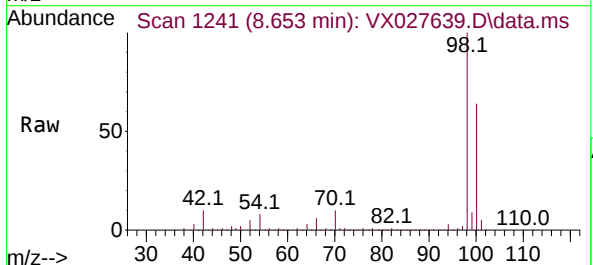
Instrument :
MSVOA_X
ClientSampleId :
MW-4

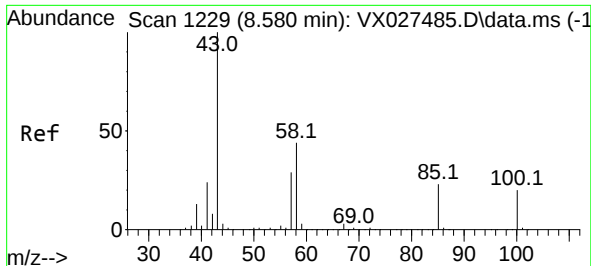
Tgt Ion:117 Resp: 34481
Ion Ratio Lower Upper
117 100
119 5.0 77.3 115.9#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 46.267 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX027639.D
Acq: 23 Mar 2022 02:09

Tgt Ion: 98 Resp: 648396
Ion Ratio Lower Upper
98 100
100 64.5 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 3.202 ug/l

RT: 8.580 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX027639.D

Acq: 23 Mar 2022 02:09

Instrument :

MSVOA_X

ClientSampleId :

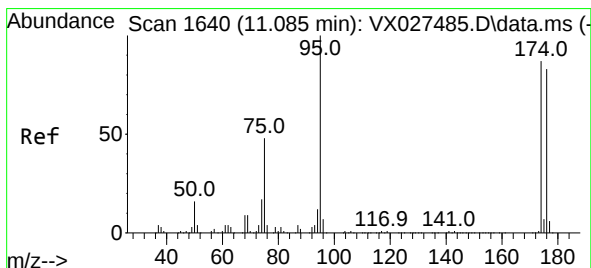
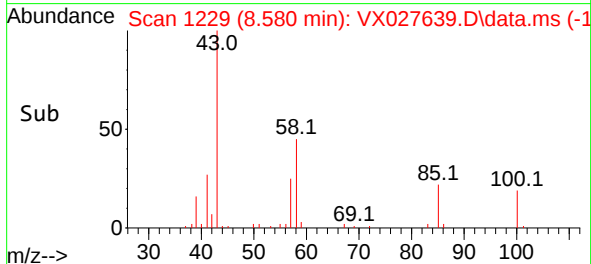
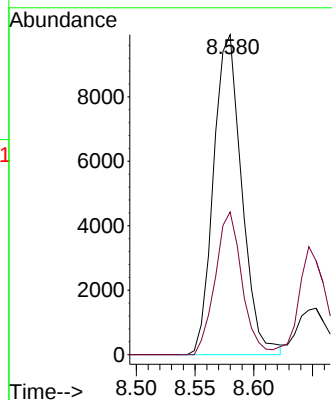
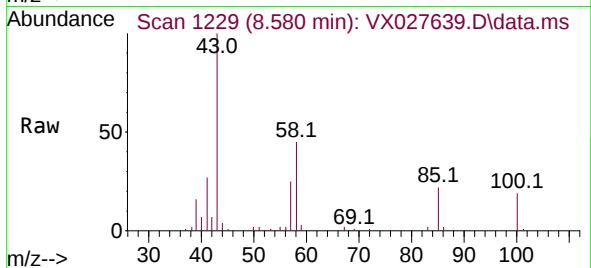
MW-4

Tgt Ion: 43 Resp: 16589

Ion Ratio Lower Upper

43 100

58 42.3 36.1 54.1



#62

4-Bromofluorobenzene

Concen: 43.821 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX027639.D

Acq: 23 Mar 2022 02:09

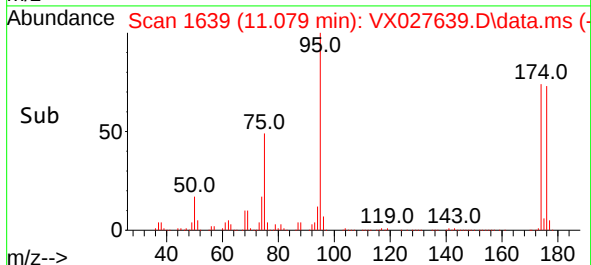
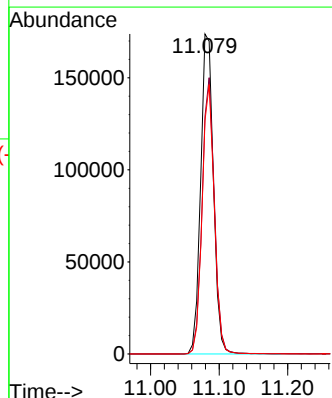
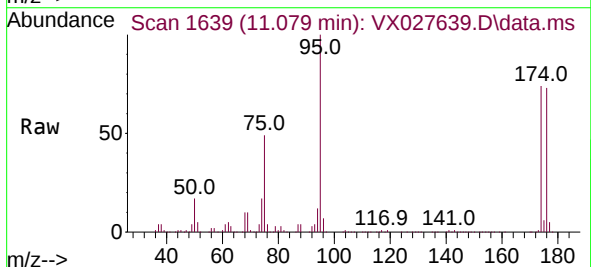
Tgt Ion: 95 Resp: 225721

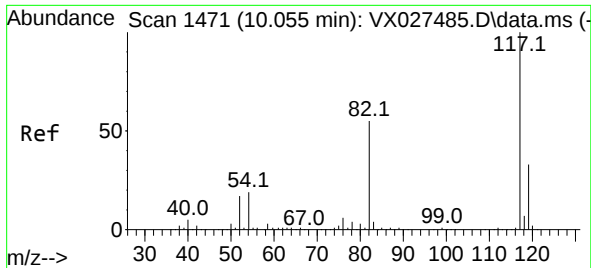
Ion Ratio Lower Upper

95 100

174 83.1 0.0 163.0

176 80.7 0.0 155.0

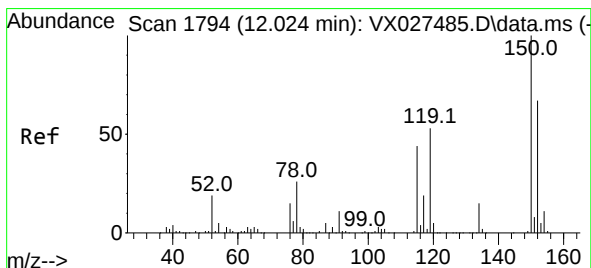
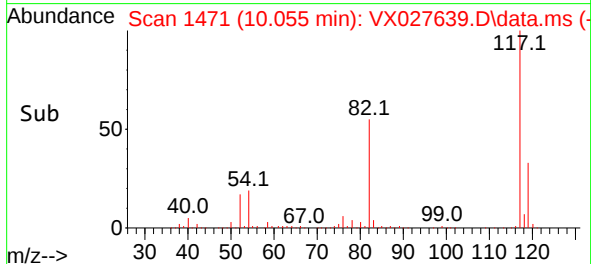
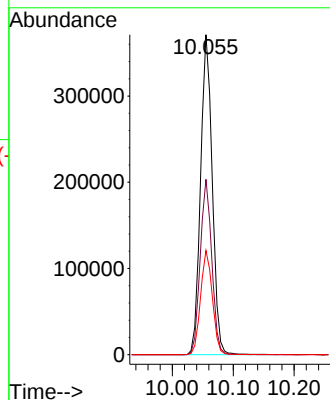
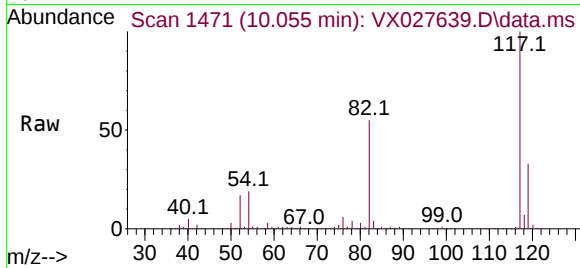




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027639.D
Acq: 23 Mar 2022 02:09

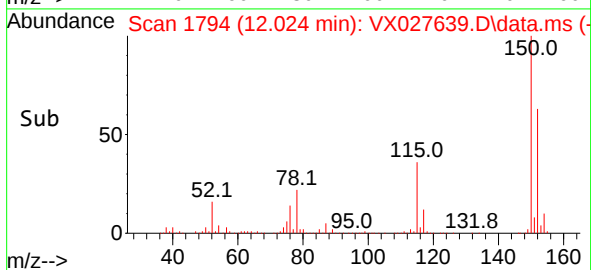
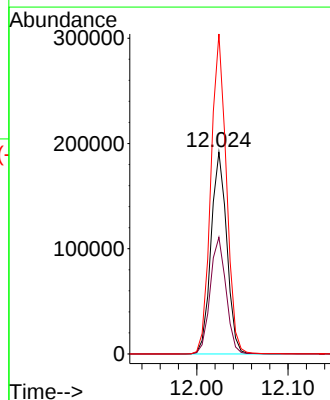
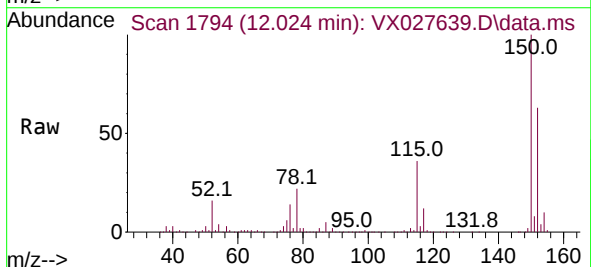
Instrument :
MSVOA_X
ClientSampleId :
MW-4

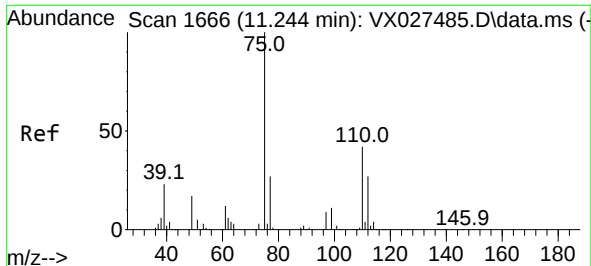
Tgt Ion:117 Resp: 495620
Ion Ratio Lower Upper
117 100
82 54.8 41.8 62.8
119 32.5 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX027639.D
Acq: 23 Mar 2022 02:09

Tgt Ion:152 Resp: 229244
Ion Ratio Lower Upper
152 100
115 58.0 37.5 112.7
150 155.8 0.0 338.2

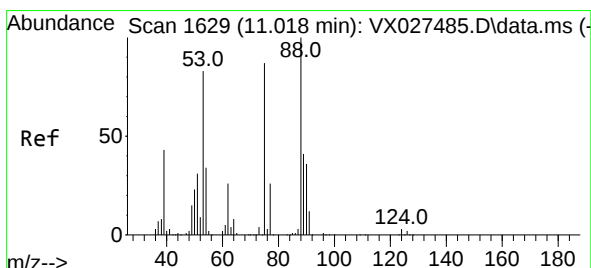
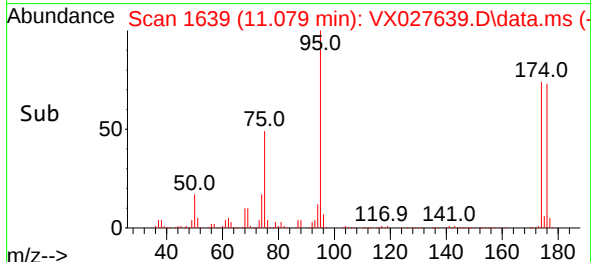
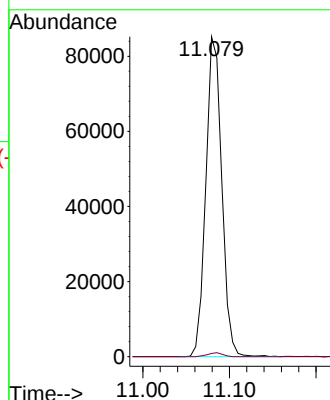
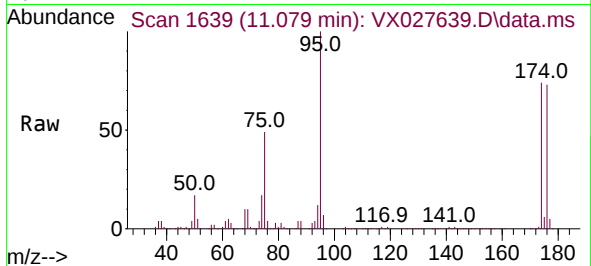




#76
1,2,3-Trichloropropane
Concen: 22.715 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX027639.D
Acq: 23 Mar 2022 02:09

Instrument :
MSVOA_X
ClientSampleId :
MW-4

Tgt Ion: 75 Resp: 108920
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.987 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX027639.D
Acq: 23 Mar 2022 02:09

Tgt Ion: 75 Resp: 108920
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

