

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062422\
 Data File : VX029774.D
 Acq On : 24 Jun 2022 14:46
 Operator : JC/MD
 Sample : N3366-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-27

Quant Time: Jun 25 02:01:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 20 01:31:01 2022
 Response via : Initial Calibration

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

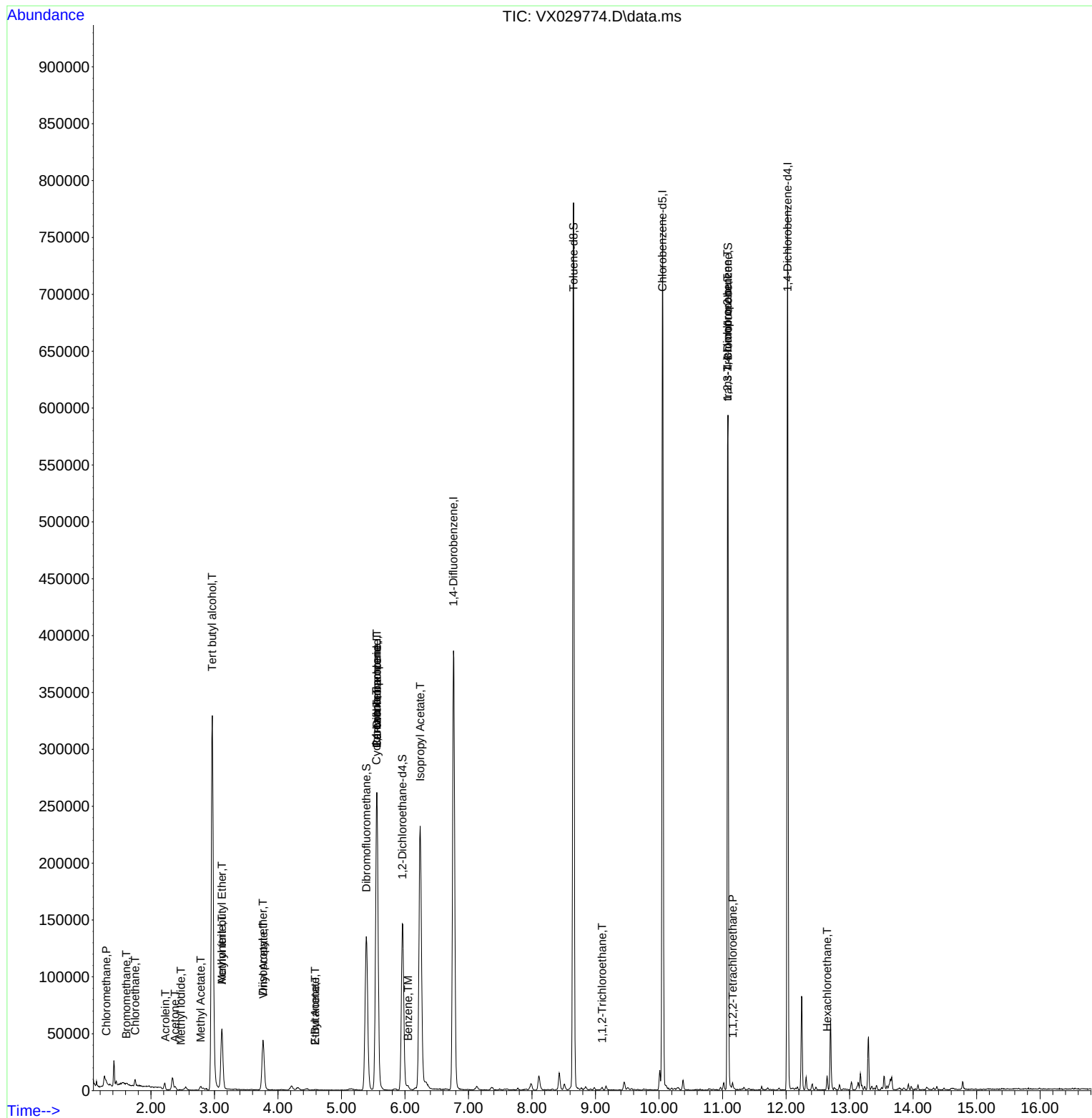
Internal Standards						
1) Pentafluorobenzene	5.556	168	249115	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	416331	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	361206	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	160628	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	141723	42.978	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	85.960%		
35) Dibromofluoromethane	5.391	113	121516	44.787	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.580%		
50) Toluene-d8	8.653	98	472525	47.673	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.340%		
62) 4-Bromofluorobenzene	11.085	95	171790	45.960	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.920%		
Target Compounds					Qvalue	
3) Chloromethane	1.295	50	949	0.292	ug/l #	83
5) Bromomethane	1.612	94	532	0.348	ug/l #	68
6) Chloroethane	1.752	64	683	1.576	ug/l #	60
10) Methyl Iodide	2.471	142	411	3.147	ug/l #	88
11) Tert butyl alcohol	2.965	59	436729	621.486	ug/l	99
13) Acrolein	2.227	56	146	0.804	ug/l #	1
15) Acrylonitrile	3.117	53	695	0.451	ug/l #	20
16) Acetone	2.380	43	3461	2.633	ug/l	89
18) Methyl Acetate	2.782	43	1924	0.554	ug/l #	46
19) Methyl tert-butyl Ether	3.117	73	60451	6.899	ug/l	95
22) Diisopropyl ether	3.764	45	46777	5.803	ug/l #	85
23) Vinyl Acetate	3.770	43	22574	3.354	ug/l #	66
25) 2-Butanone	4.587	43	1140	0.549	ug/l #	83
31) Cyclohexane	5.550	56	5033	1.137	ug/l #	17
36) 1,1-Dichloropropene	5.556	75	18500	5.038	ug/l #	49
37) Ethyl Acetate	4.587	43	1140	0.303	ug/l #	65
38) Carbon Tetrachloride	5.556	117	26469	7.330	ug/l #	15
40) Benzene	6.050	78	4571	0.420	ug/l	91
43) Isopropyl Acetate	6.239	43	57966	9.904	ug/l #	58
44) Trichloroethene	7.135	130	1240	Below Cal		81
55) 1,1,2-Trichloroethane	9.104	97	911	0.323	ug/l #	16
75) 1,1,2,2-Tetrachloroethane	11.159	83	925	0.238	ug/l #	25
76) 1,2,3-Trichloropropane	11.079	75	83071	23.740	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	83071	78.975	ug/l #	15
90) Hexachloroethane	12.646	117	4270	2.906	ug/l #	10

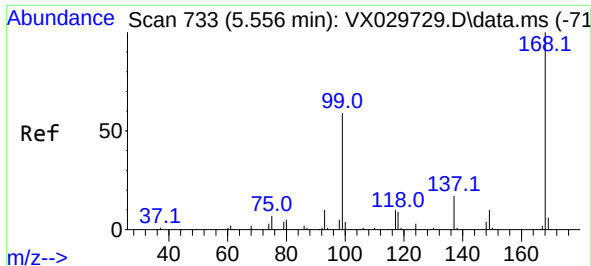
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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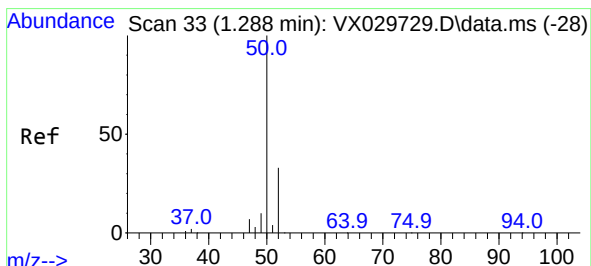
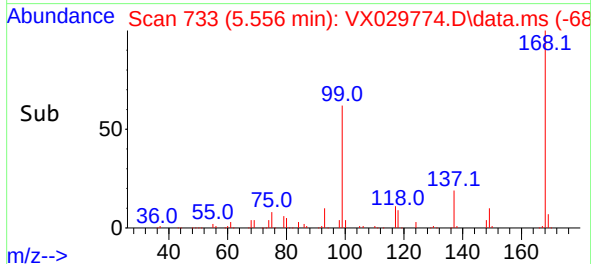
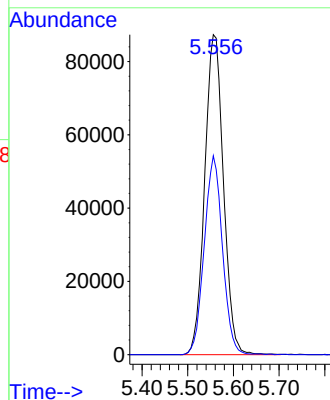
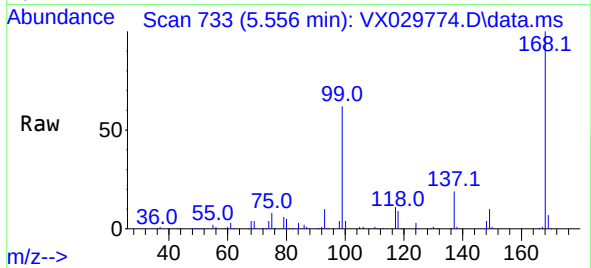




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029774.D
Acq: 24 Jun 2022 14:46

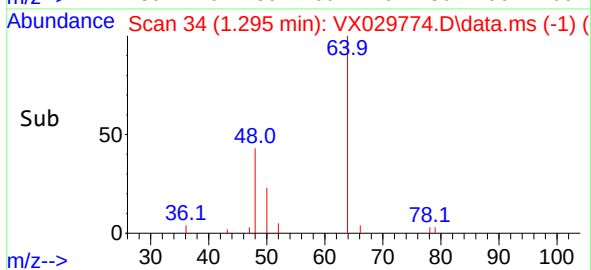
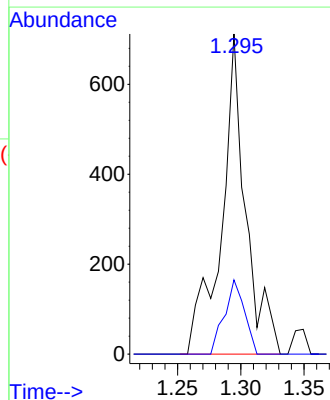
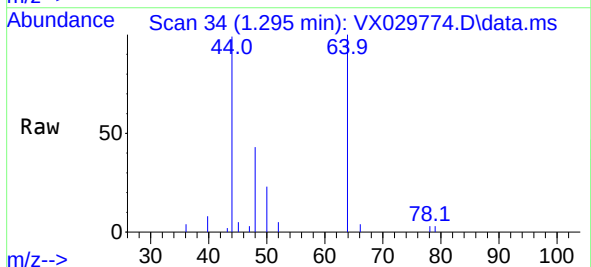
Instrument :
MSVOA_X
ClientSampleId :
MW-27

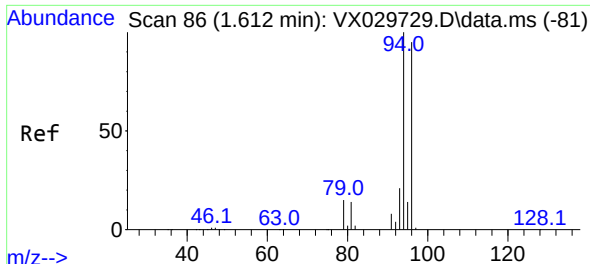
Tgt Ion:168 Resp: 249115
Ion Ratio Lower Upper
168 100
99 62.2 41.7 62.5



#3
Chloromethane
Concen: 0.292 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX029774.D
Acq: 24 Jun 2022 14:46

Tgt Ion: 50 Resp: 949
Ion Ratio Lower Upper
50 100
52 23.2 26.4 39.6#

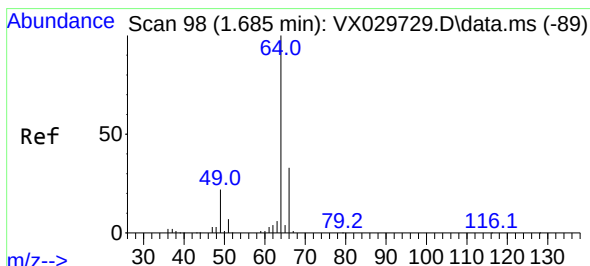
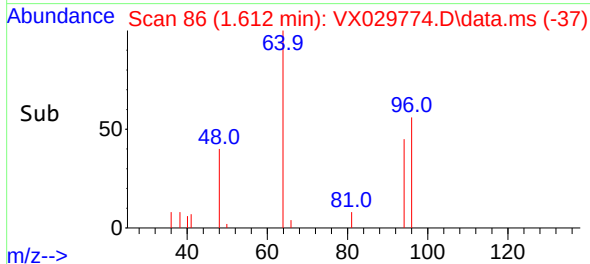
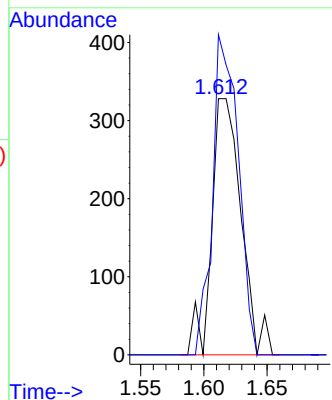
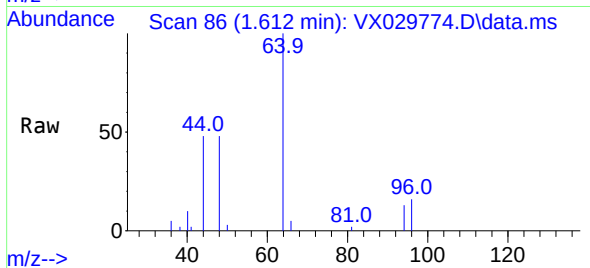




#5
Bromomethane
Concen: 0.348 ug/l
RT: 1.612 min Scan# 81
Delta R.T. 0.001 min
Lab File: VX029774.D
Acq: 24 Jun 2022 14:46

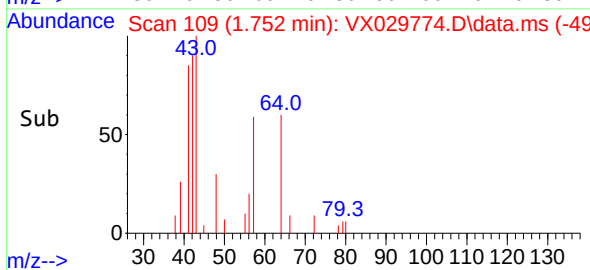
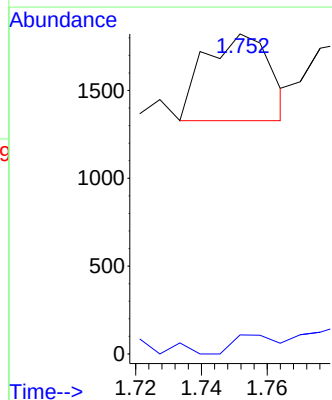
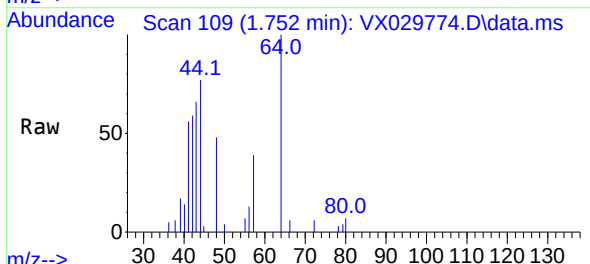
Instrument :
MSVOA_X
ClientSampleId :
MW-27

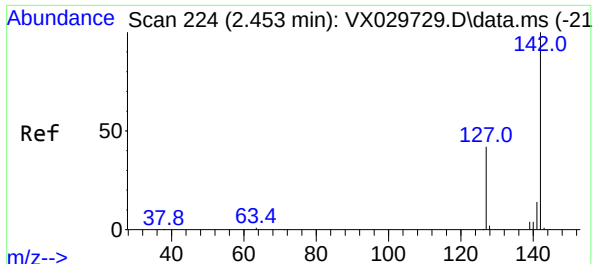
Tgt Ion: 94 Resp: 532
Ion Ratio Lower Upper
94 100
96 125.0 75.3 112.9#



#6
Chloroethane
Concen: 1.576 ug/l
RT: 1.752 min Scan# 109
Delta R.T. 0.067 min
Lab File: VX029774.D
Acq: 24 Jun 2022 14:46

Tgt Ion: 64 Resp: 683
Ion Ratio Lower Upper
64 100
66 9.5 25.3 37.9#

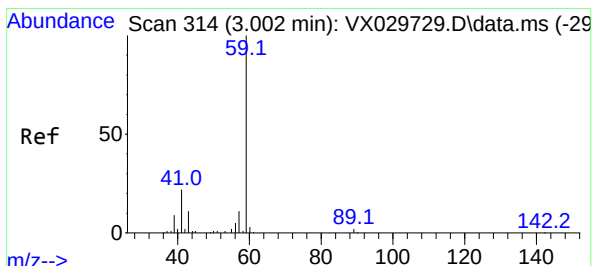
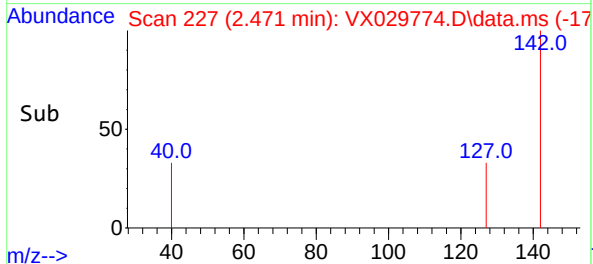
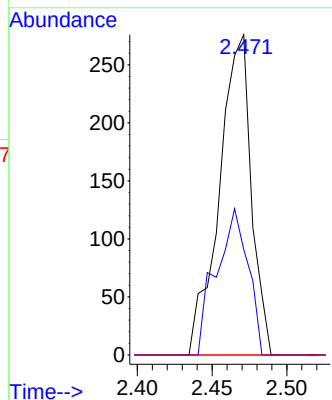
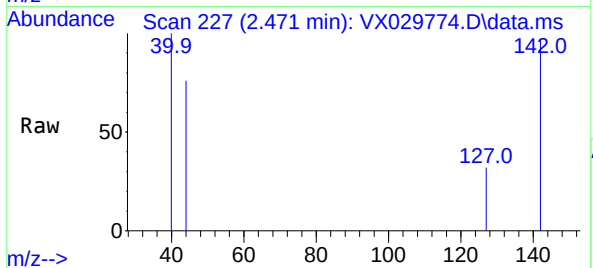




#10
Methyl Iodide
Concen: 3.147 ug/l
RT: 2.471 min Scan# 21
Delta R.T. 0.018 min
Lab File: VX029774.D
Acq: 24 Jun 2022 14:46

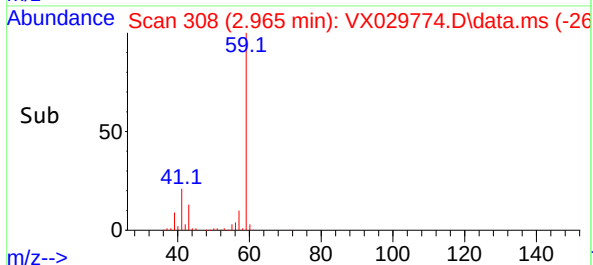
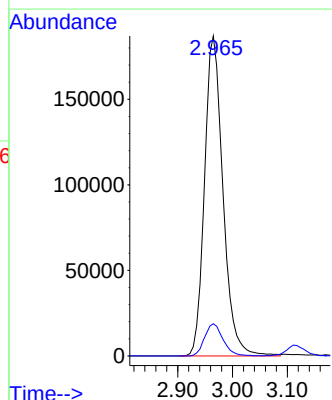
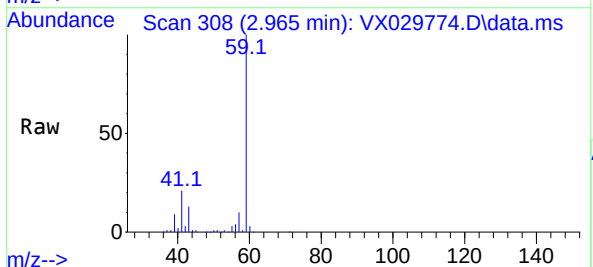
Instrument :
MSVOA_X
ClientSampleId :
MW-27

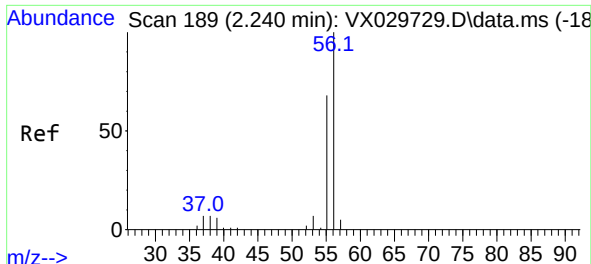
Tgt Ion:142 Resp: 411
Ion Ratio Lower Upper
142 100
127 45.5 33.9 50.9
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 621.486 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX029774.D
Acq: 24 Jun 2022 14:46

Tgt Ion: 59 Resp: 436729
Ion Ratio Lower Upper
59 100
57 10.1 8.3 12.5

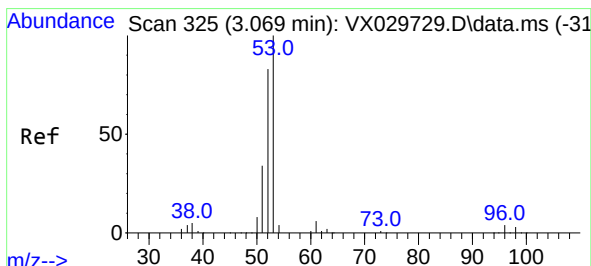
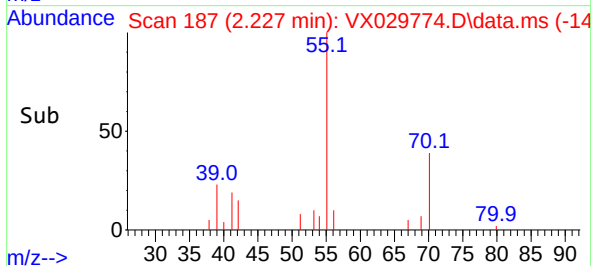
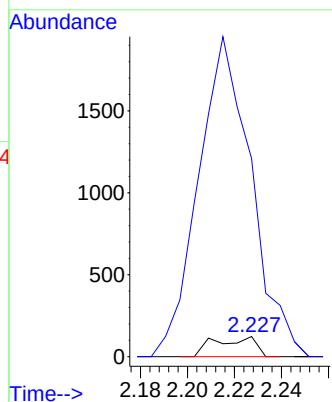
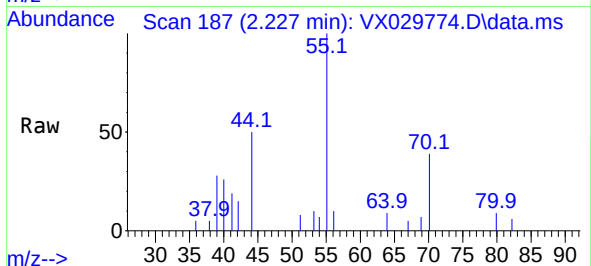




#13
Acrolein
Concen: 0.804 ug/l
RT: 2.227 min Scan# 11
Delta R.T. -0.012 min
Lab File: VX029774.D
Acq: 24 Jun 2022 14:46

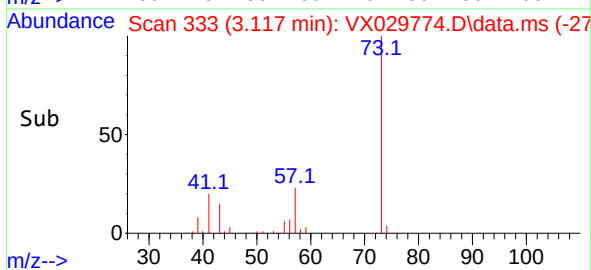
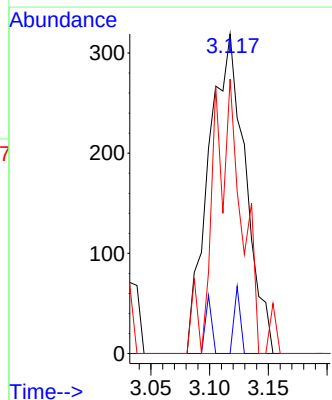
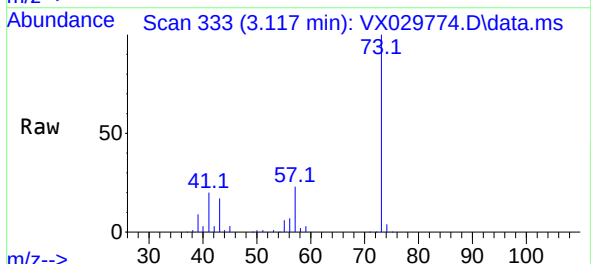
Instrument :
MSVOA_X
ClientSampleId :
MW-27

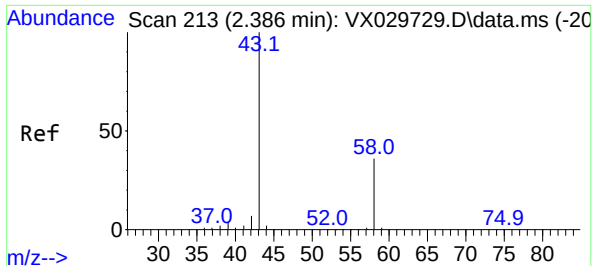
Tgt Ion: 56 Resp: 146
Ion Ratio Lower Upper
56 100
55 2096.6 55.0 82.6#



#15
Acrylonitrile
Concen: 0.451 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.049 min
Lab File: VX029774.D
Acq: 24 Jun 2022 14:46

Tgt Ion: 53 Resp: 695
Ion Ratio Lower Upper
53 100
52 0.0 65.7 98.5#
51 65.8 28.4 42.6#

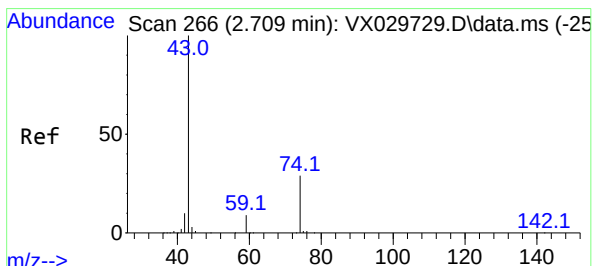
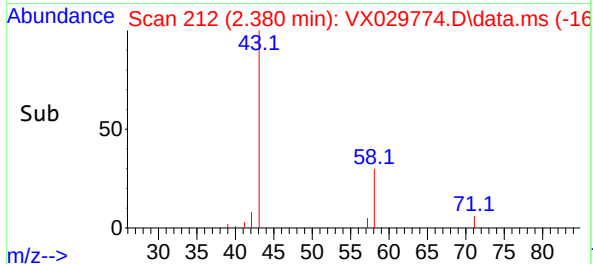
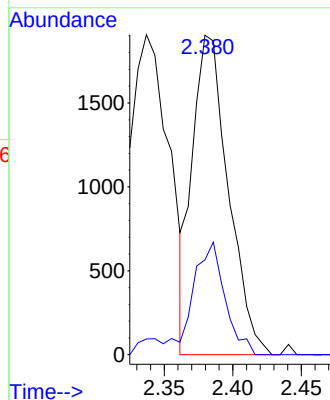
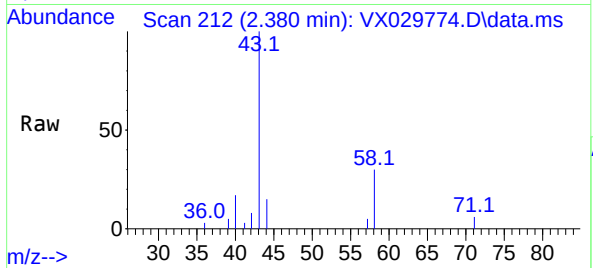




#16
Acetone
Concen: 2.633 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX029774.D
Acq: 24 Jun 2022 14:46

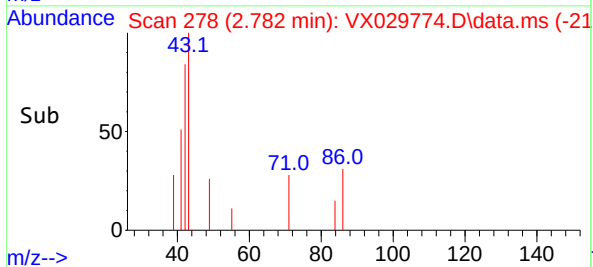
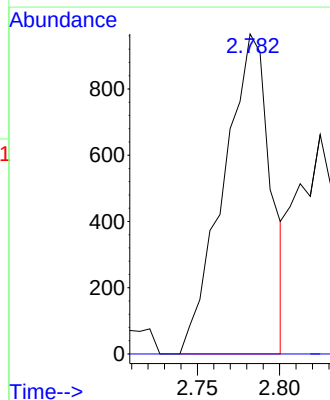
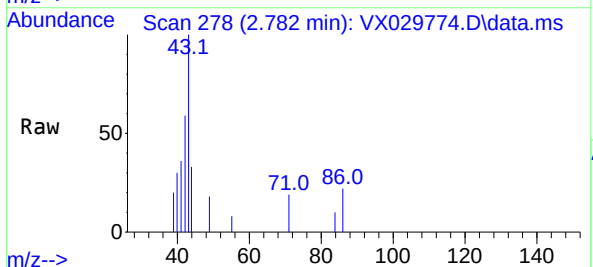
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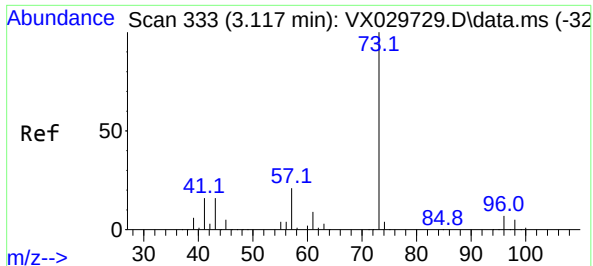
Tgt Ion: 43 Resp: 3461
Ion Ratio Lower Upper
43 100
58 29.7 28.8 43.2



#18
Methyl Acetate
Concen: 0.554 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.073 min
Lab File: VX029774.D
Acq: 24 Jun 2022 14:46

Tgt Ion: 43 Resp: 1924
Ion Ratio Lower Upper
43 100
74 0.0 22.8 34.2#

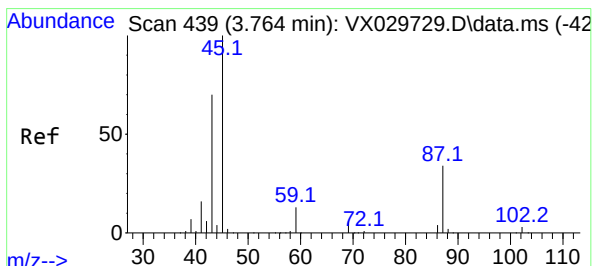
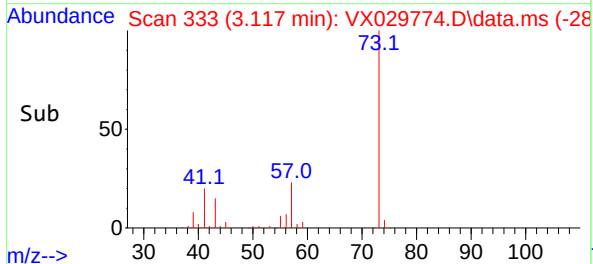
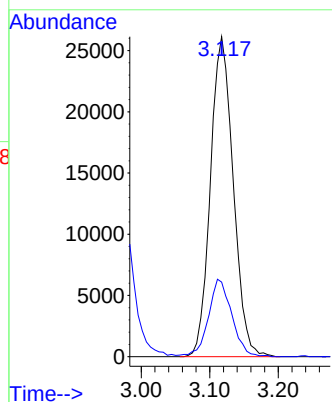
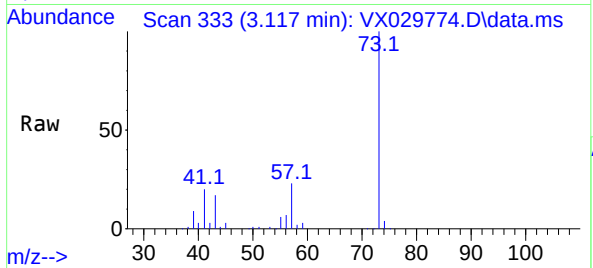




#19
Methyl tert-butyl Ether
Concen: 6.899 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX029774.D
Acq: 24 Jun 2022 14:46

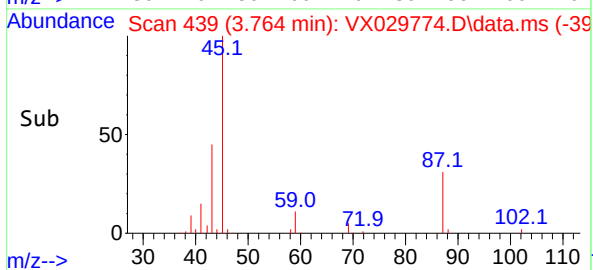
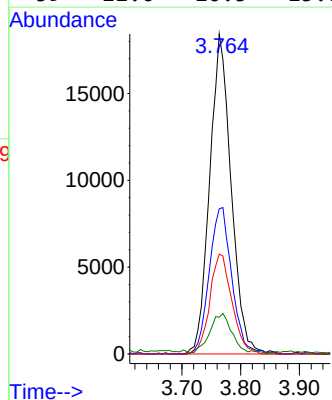
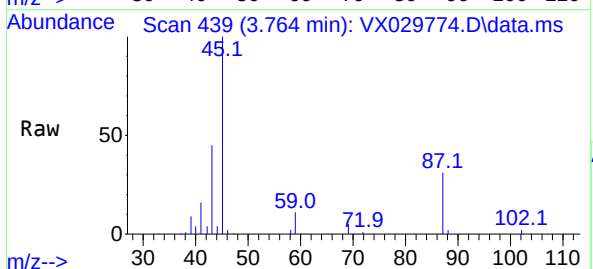
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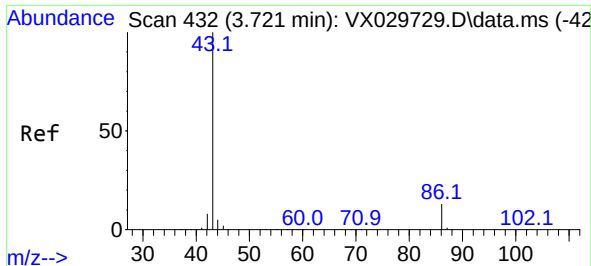
Tgt Ion: 73 Resp: 60451
Ion Ratio Lower Upper
73 100
57 23.3 16.8 25.2



#22
Diisopropyl ether
Concen: 5.803 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.001 min
Lab File: VX029774.D
Acq: 24 Jun 2022 14:46

Tgt Ion: 45 Resp: 46777
Ion Ratio Lower Upper
45 100
43 45.3 50.8 76.2#
87 31.2 26.6 39.8
59 11.0 10.5 15.7

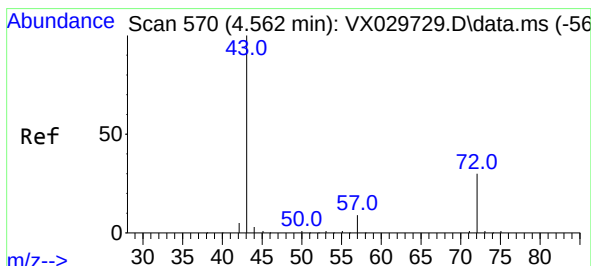
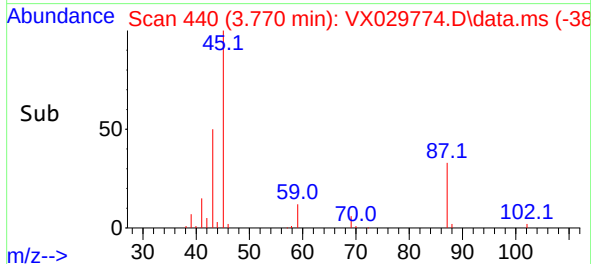
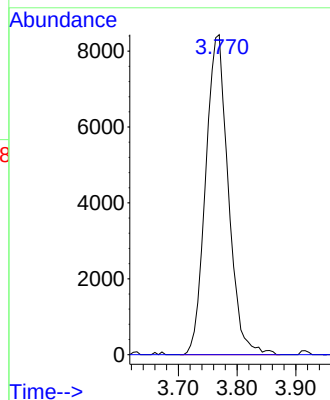
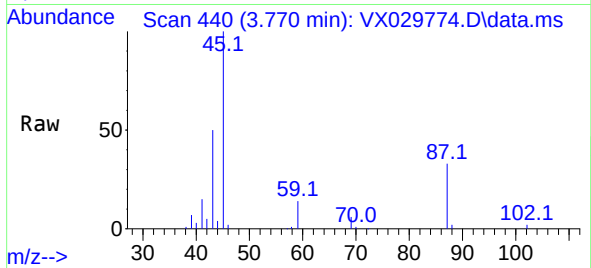




#23
 Vinyl Acetate
 Concen: 3.354 ug/l
 RT: 3.770 min Scan# 44
 Delta R.T. 0.043 min
 Lab File: VX029774.D
 Acq: 24 Jun 2022 14:46

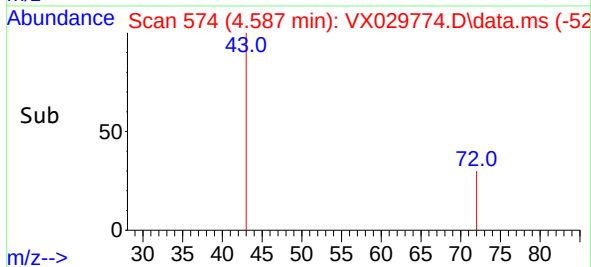
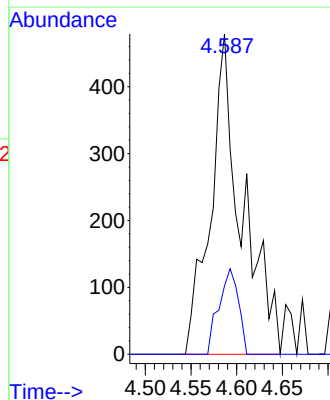
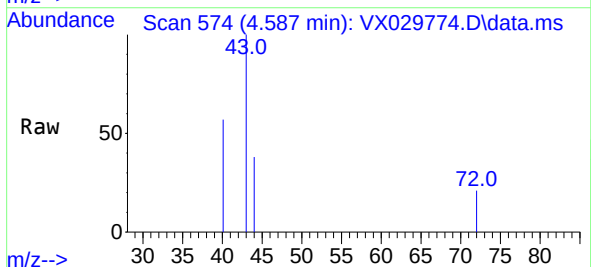
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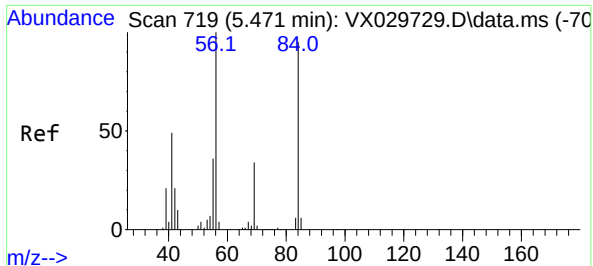
Tgt Ion: 43 Resp: 22574
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.8 16.2#



#25
 2-Butanone
 Concen: 0.549 ug/l
 RT: 4.587 min Scan# 574
 Delta R.T. 0.025 min
 Lab File: VX029774.D
 Acq: 24 Jun 2022 14:46

Tgt Ion: 43 Resp: 1140
 Ion Ratio Lower Upper
 43 100
 72 21.3 24.4 36.6#

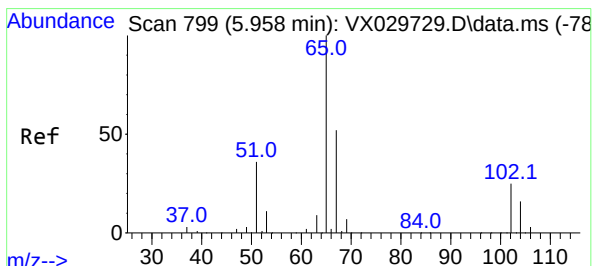
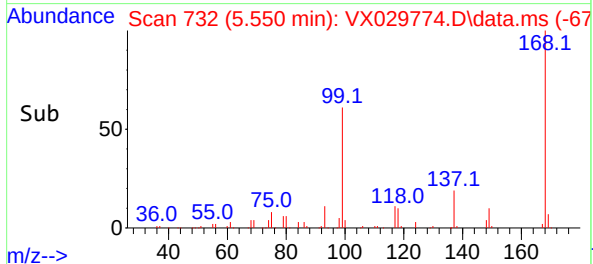
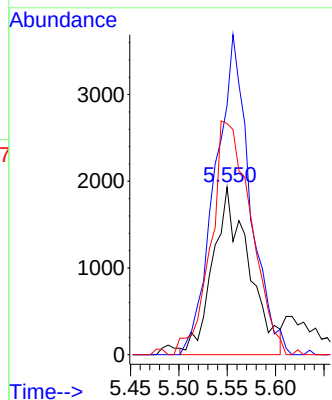
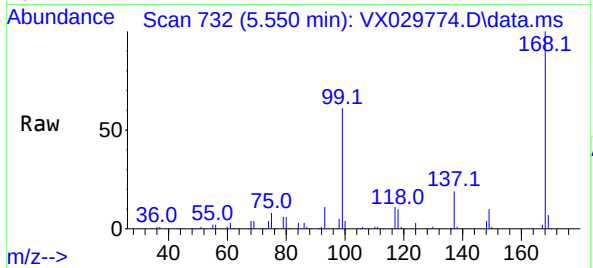




#31
Cyclohexane
Concen: 1.137 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX029774.D
Acq: 24 Jun 2022 14:46

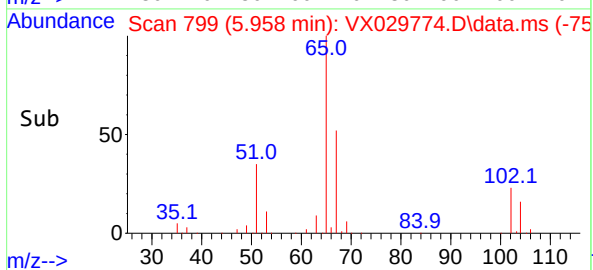
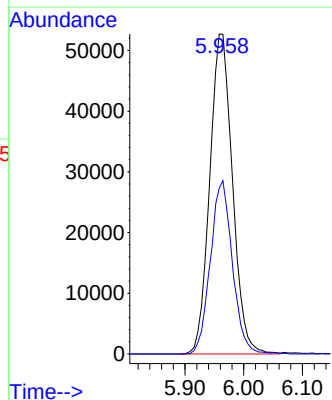
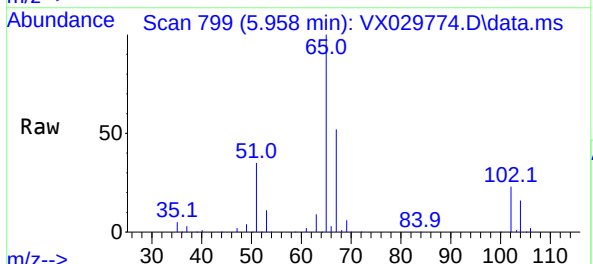
Instrument :
MSVOA_X
ClientSampleId :
MW-27

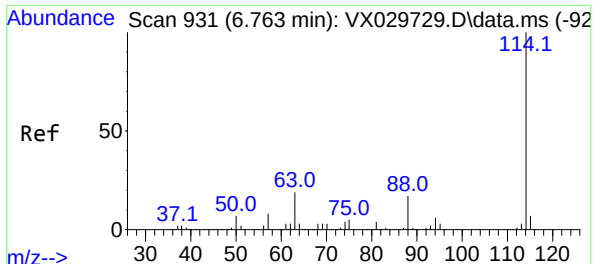
Tgt Ion: 56 Resp: 5033
Ion Ratio Lower Upper
56 100
69 154.7 26.7 40.1#
84 133.3 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 42.978 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029774.D
Acq: 24 Jun 2022 14:46

Tgt Ion: 65 Resp: 141723
Ion Ratio Lower Upper
65 100
67 52.3 0.0 107.4

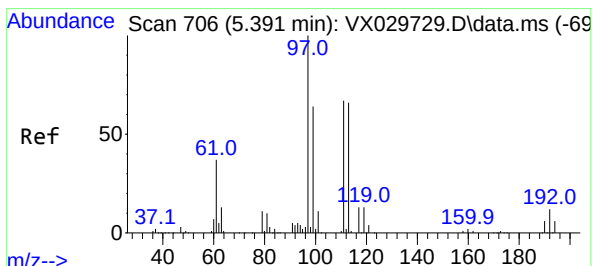
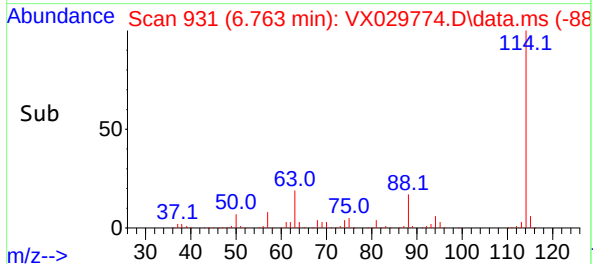
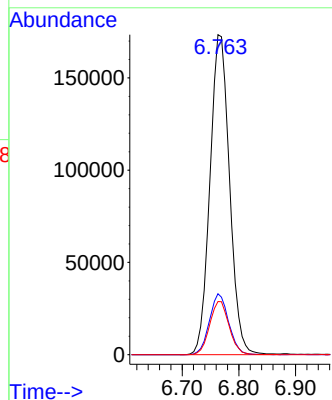
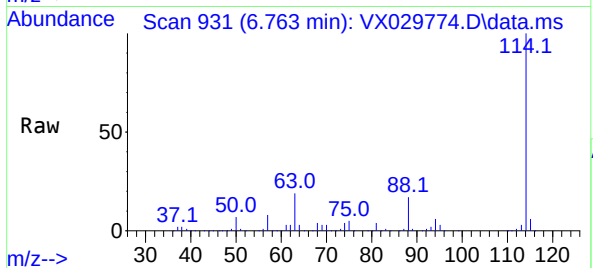




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX029774.D
Acq: 24 Jun 2022 14:46

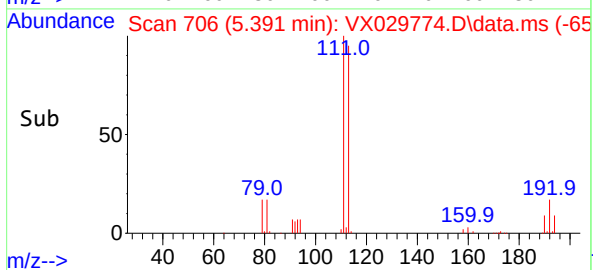
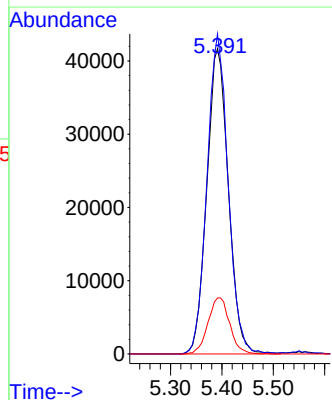
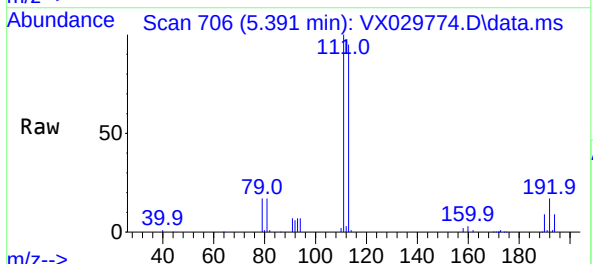
Instrument :
MSVOA_X
ClientSampleId :
MW-27

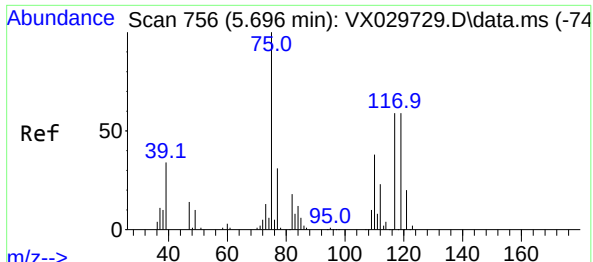
Tgt Ion:114 Resp: 416331
Ion Ratio Lower Upper
114 100
63 19.0 0.0 36.8
88 16.6 0.0 32.4



#35
Dibromofluoromethane
Concen: 44.787 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029774.D
Acq: 24 Jun 2022 14:46

Tgt Ion:113 Resp: 121516
Ion Ratio Lower Upper
113 100
111 102.6 82.8 124.2
192 18.4 16.9 25.3





#36

1,1-Dichloropropene

Concen: 5.038 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX029774.D

Acq: 24 Jun 2022 14:46

Instrument :

MSVOA_X

ClientSampleId :

MW-27

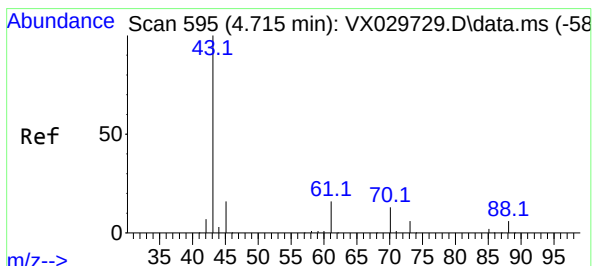
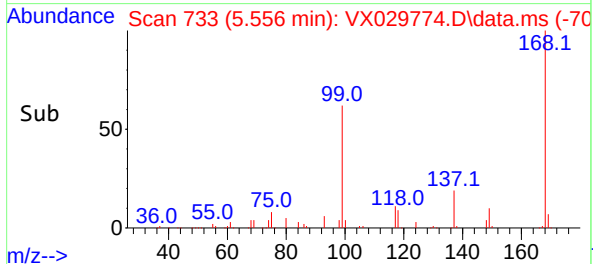
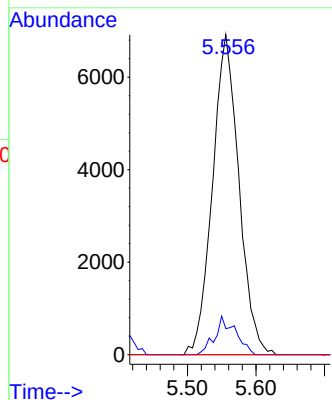
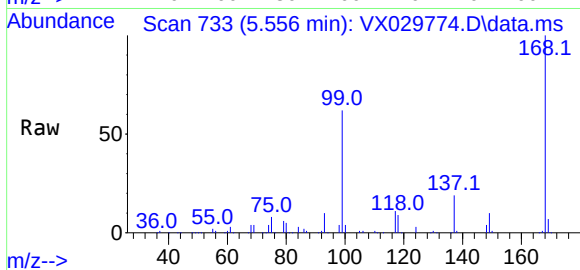
Tgt Ion: 75 Resp: 18500

Ion Ratio Lower Upper

75 100

110 9.5 18.3 54.8#

77 0.0 24.8 37.2#



#37

Ethyl Acetate

Concen: 0.303 ug/l

RT: 4.587 min Scan# 574

Delta R.T. -0.134 min

Lab File: VX029774.D

Acq: 24 Jun 2022 14:46

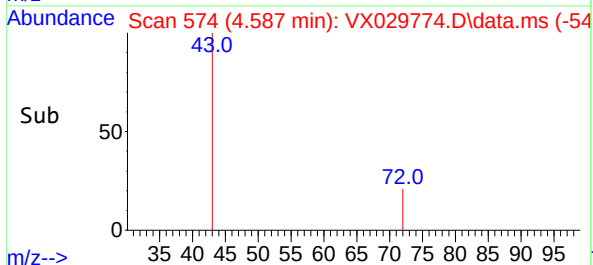
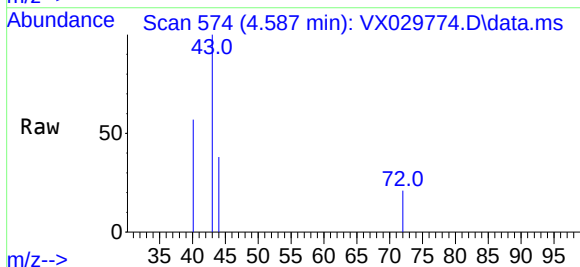
Tgt Ion: 43 Resp: 1140

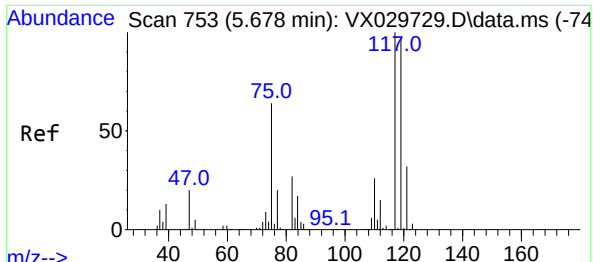
Ion Ratio Lower Upper

43 100

61 0.0 12.6 19.0#

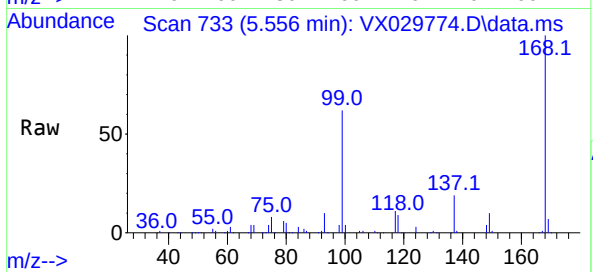
70 0.0 10.2 15.2#



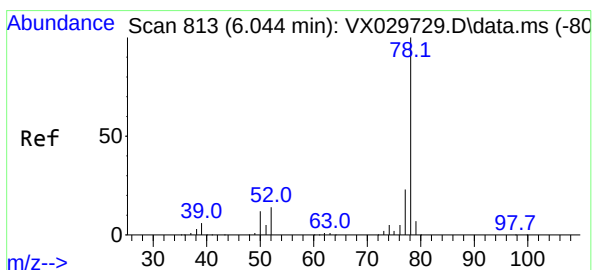
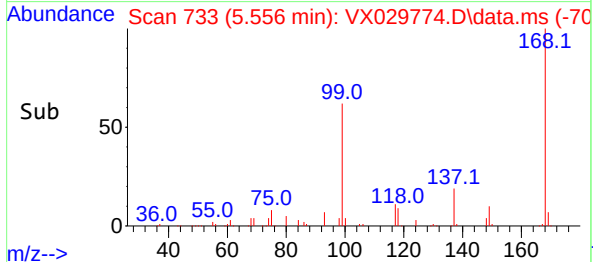
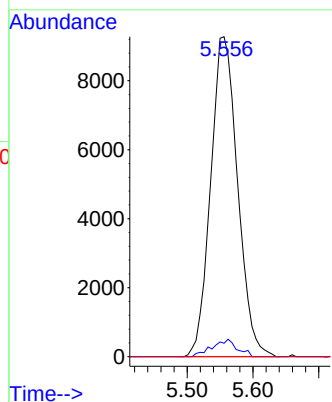


#38
Carbon Tetrachloride
Concen: 7.330 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX029774.D
Acq: 24 Jun 2022 14:46

Instrument :
MSVOA_X
ClientSampleId :
MW-27

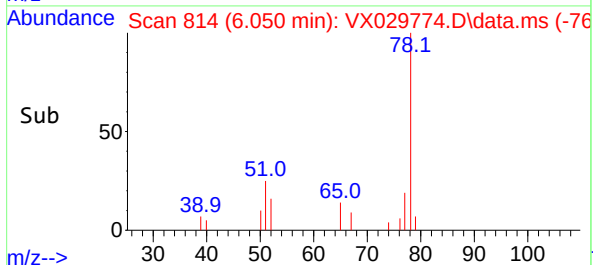
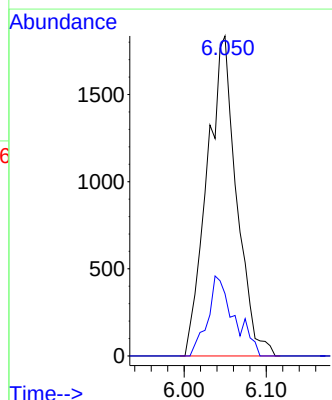
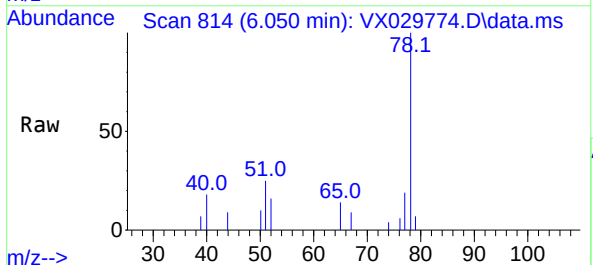


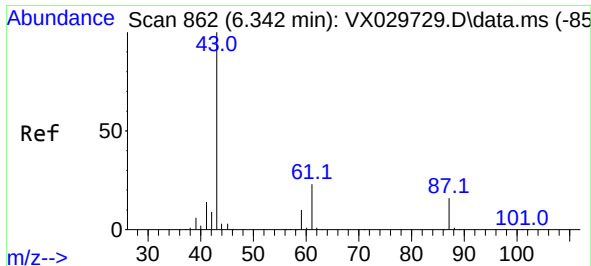
Tgt Ion:117 Resp: 26469
Ion Ratio Lower Upper
117 100
119 4.2 77.3 115.9#
121 0.0 24.2 36.2#



#40
Benzene
Concen: 0.420 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.006 min
Lab File: VX029774.D
Acq: 24 Jun 2022 14:46

Tgt Ion: 78 Resp: 4571
Ion Ratio Lower Upper
78 100
77 19.4 19.3 28.9

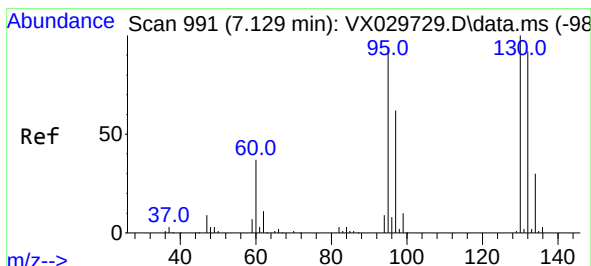
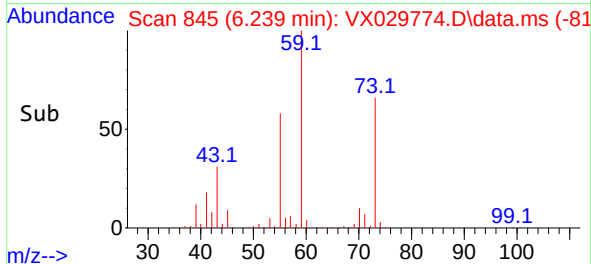
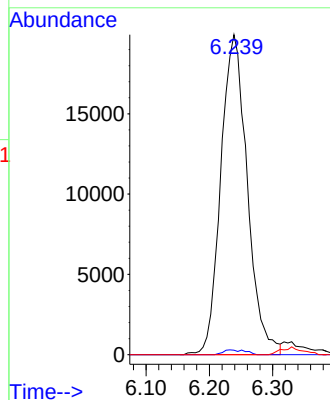
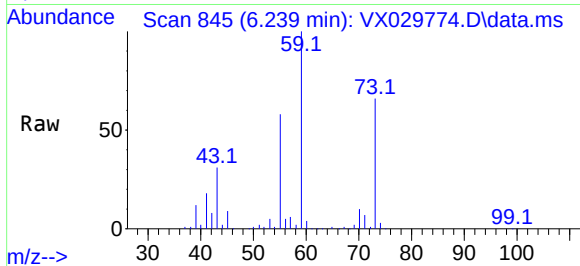




#43
Isopropyl Acetate
Concen: 9.904 ug/l
RT: 6.239 min Scan# 84
Delta R.T. -0.103 min
Lab File: VX029774.D
Acq: 24 Jun 2022 14:46

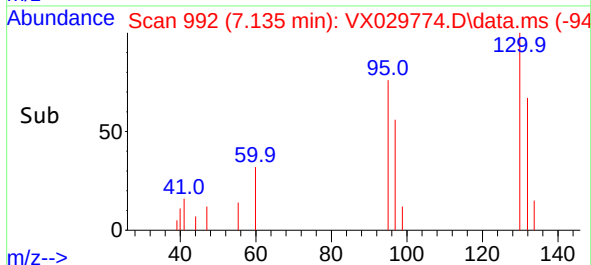
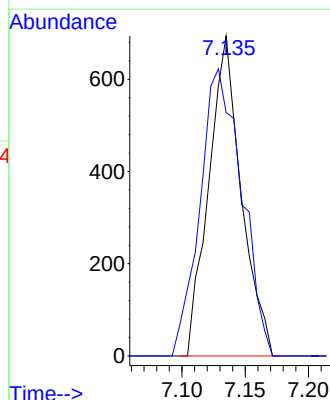
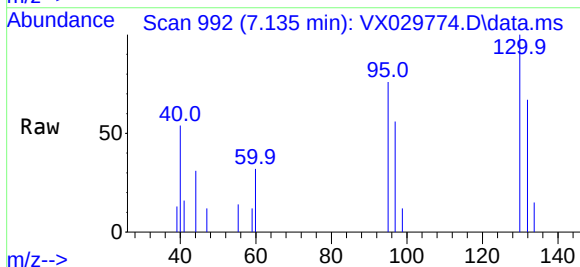
Instrument :
MSVOA_X
ClientSampleId :
MW-27

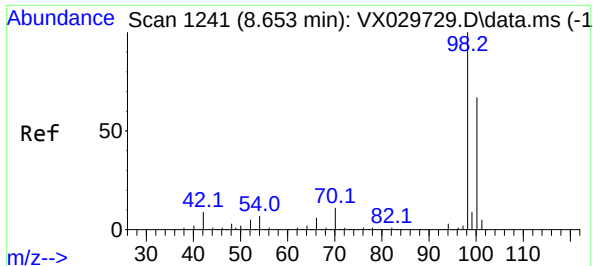
Tgt Ion: 43 Resp: 57966
Ion Ratio Lower Upper
43 100
61 1.3 18.5 27.7#
87 0.0 13.0 19.6#



#44
Trichloroethene
Concen: Below Cal
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX029774.D
Acq: 24 Jun 2022 14:46

Tgt Ion:130 Resp: 1240
Ion Ratio Lower Upper
130 100
95 76.1 0.0 188.8

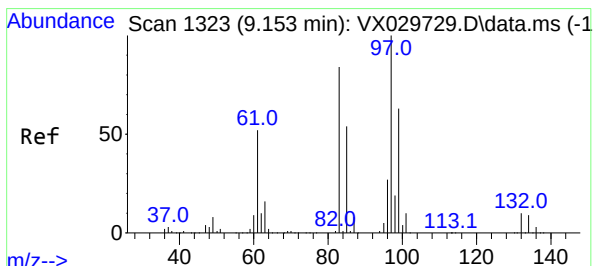
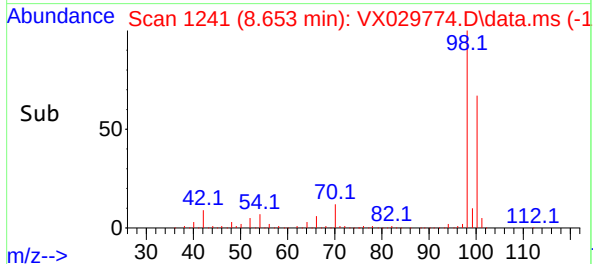
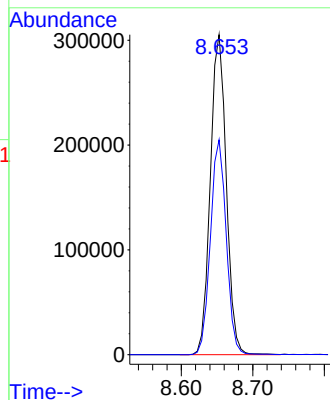
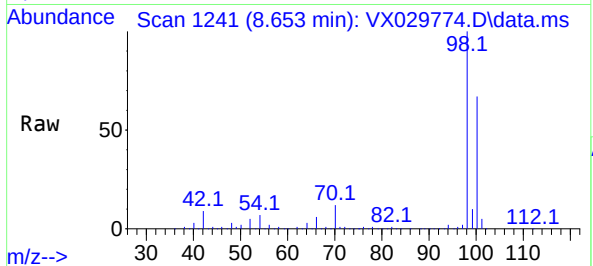




#50
Toluene-d8
Concen: 47.673 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029774.D
Acq: 24 Jun 2022 14:46

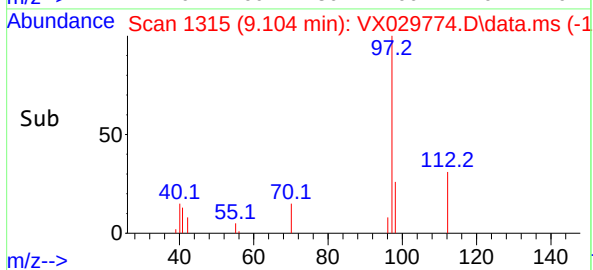
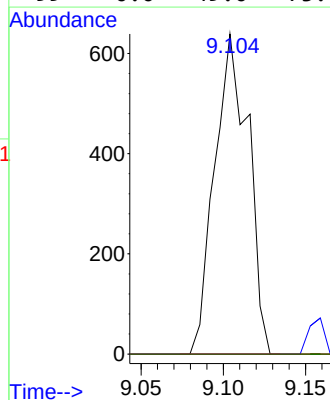
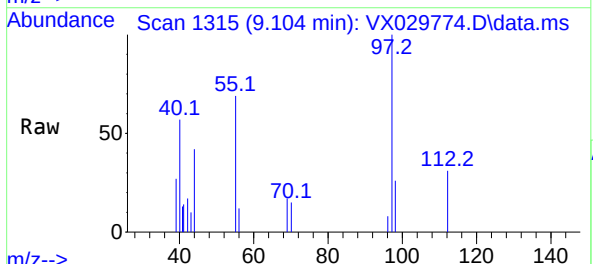
Instrument :
MSVOA_X
ClientSampleId :
MW-27

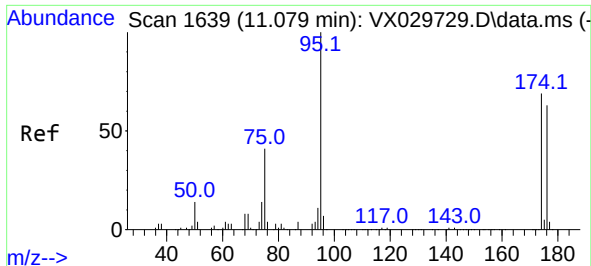
Tgt Ion: 98 Resp: 472525
Ion Ratio Lower Upper
98 100
100 66.8 52.6 78.8



#55
1,1,2-Trichloroethane
Concen: 0.323 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.049 min
Lab File: VX029774.D
Acq: 24 Jun 2022 14:46

Tgt Ion: 97 Resp: 911
Ion Ratio Lower Upper
97 100
83 0.0 66.2 99.4#
85 0.0 42.9 64.3#
99 0.0 49.0 73.6#

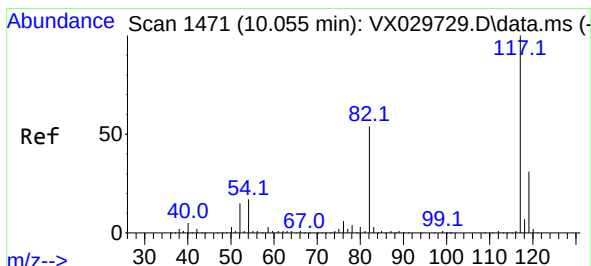
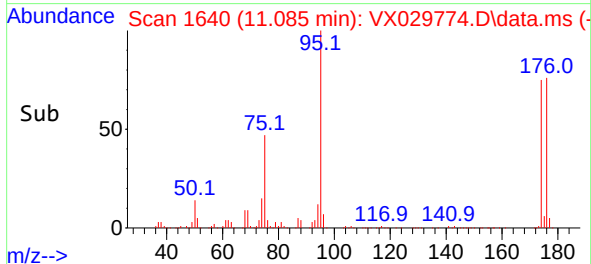
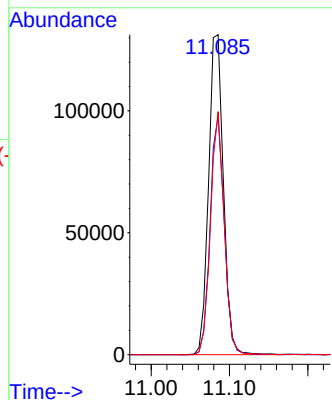
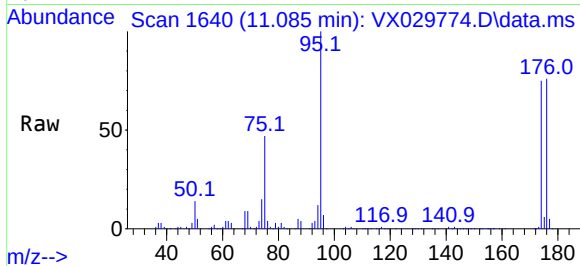




#62
4-Bromofluorobenzene
Concen: 45.960 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX029774.D
Acq: 24 Jun 2022 14:46

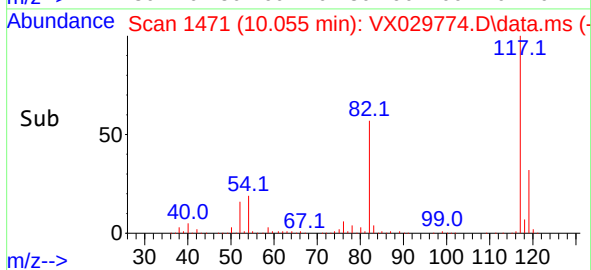
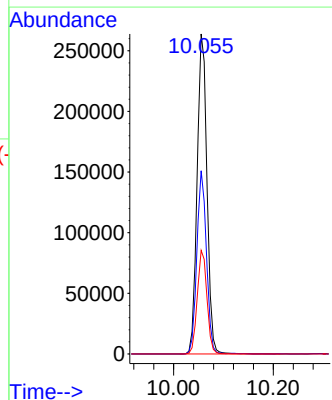
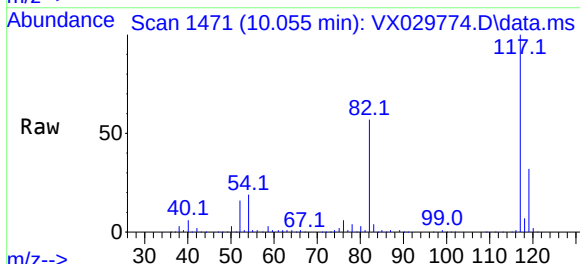
Instrument :
MSVOA_X
ClientSampleId :
MW-27

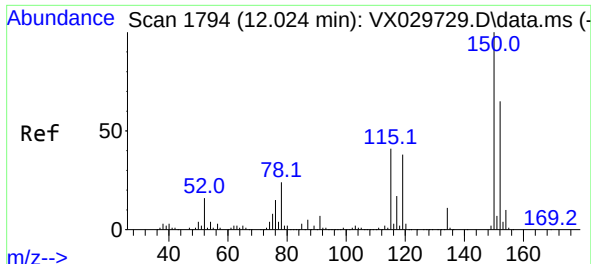
Tgt Ion: 95 Resp: 171790
Ion Ratio Lower Upper
95 100
174 71.3 0.0 163.0
176 70.1 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029774.D
Acq: 24 Jun 2022 14:46

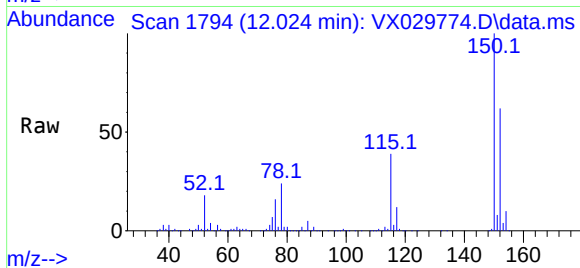
Tgt Ion: 117 Resp: 361206
Ion Ratio Lower Upper
117 100
82 57.3 41.8 62.8
119 32.3 24.8 37.2



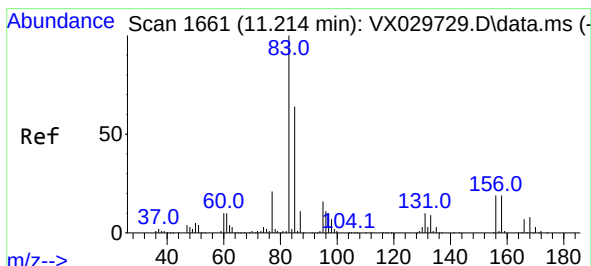
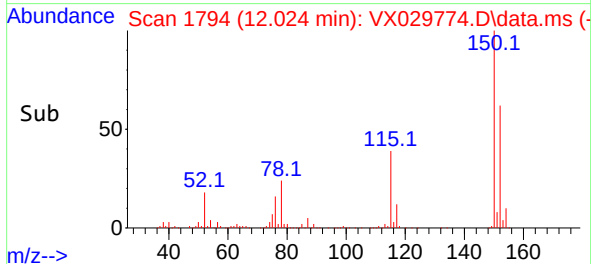
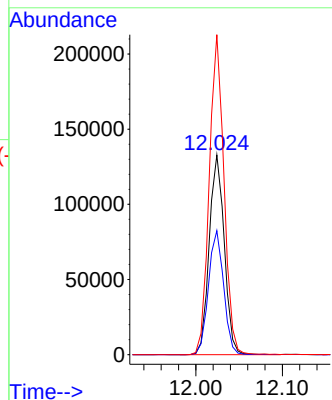


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX029774.D
 Acq: 24 Jun 2022 14:46

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-27

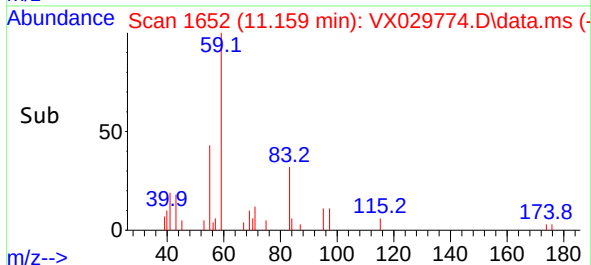
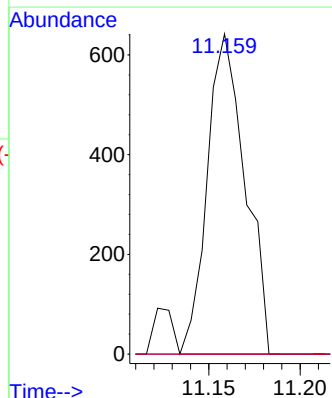
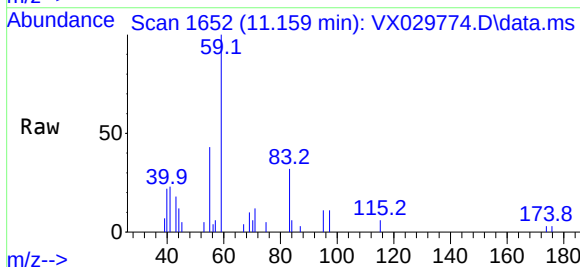


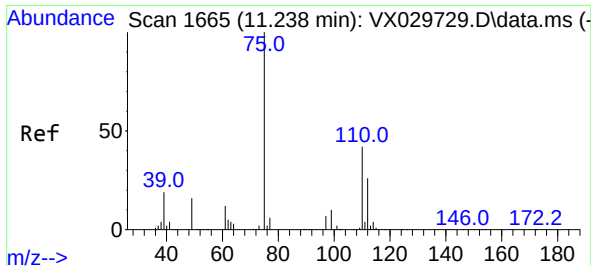
Tgt Ion:152 Resp: 160628
 Ion Ratio Lower Upper
 152 100
 115 62.5 37.5 112.7
 150 156.7 0.0 338.2



#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.238 ug/l
 RT: 11.159 min Scan# 1652
 Delta R.T. -0.054 min
 Lab File: VX029774.D
 Acq: 24 Jun 2022 14:46

Tgt Ion: 83 Resp: 925
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.1 15.3#
 85 0.0 32.6 97.7#

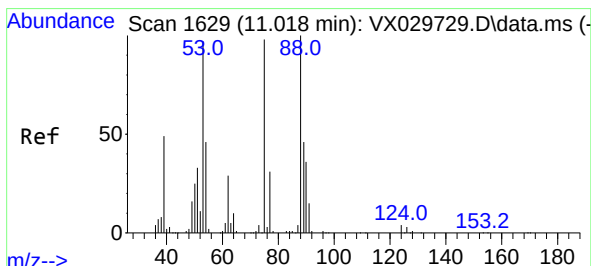
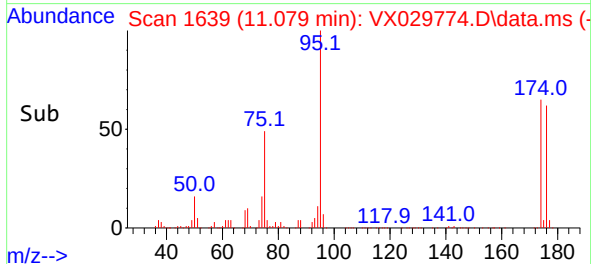
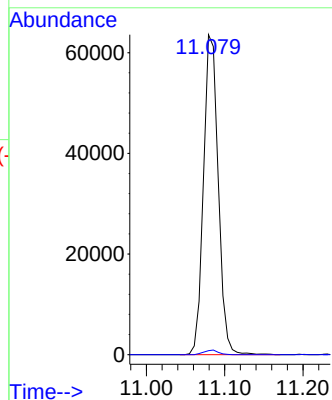
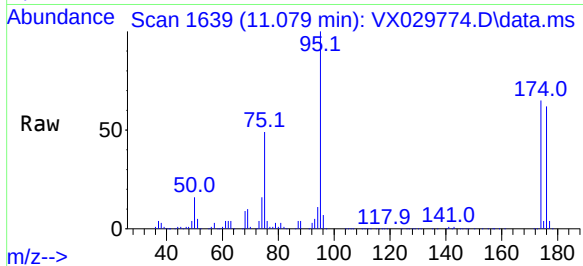




#76
1,2,3-Trichloropropane
Concen: 23.740 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029774.D
Acq: 24 Jun 2022 14:46

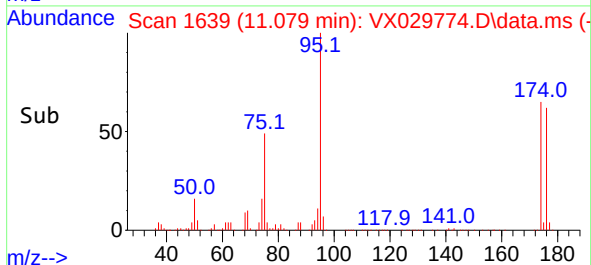
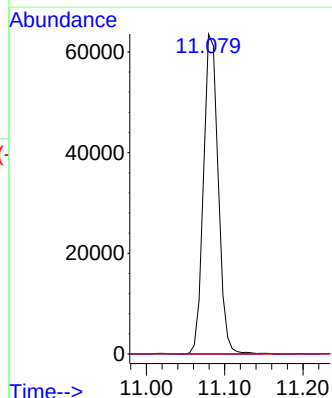
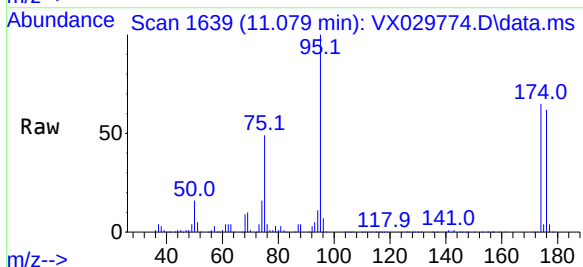
Instrument :
MSVOA_X
ClientSampleId :
MW-27

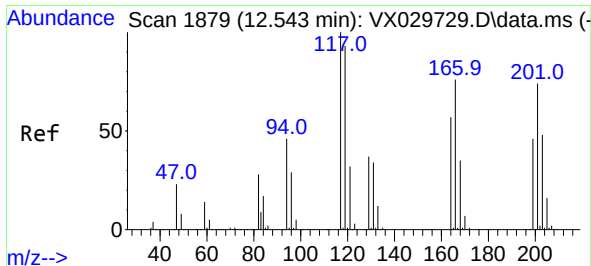
Tgt Ion: 75 Resp: 83071
Ion Ratio Lower Upper
75 100
77 1.4 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.975 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029774.D
Acq: 24 Jun 2022 14:46

Tgt Ion: 75 Resp: 83071
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#





#90

Hexachloroethane

Concen: 2.906 ug/l

RT: 12.646 min Scan# 11

Delta R.T. 0.104 min

Lab File: VX029774.D

Acq: 24 Jun 2022 14:46

Instrument :

MSVOA_X

ClientSampleId :

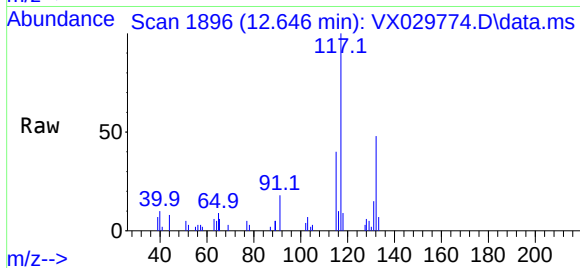
MW-27

Tgt Ion:117 Resp: 4270

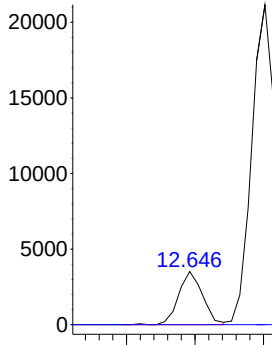
Ion Ratio Lower Upper

117 100

201 0.0 39.5 118.5#



Abundance



Time-->

