

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050622\
 Data File : VX028555.D
 Acq On : 06 May 2022 17:18
 Operator : JC/MD
 Sample : N2703-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-29S

Quant Time: May 07 06:04:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

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

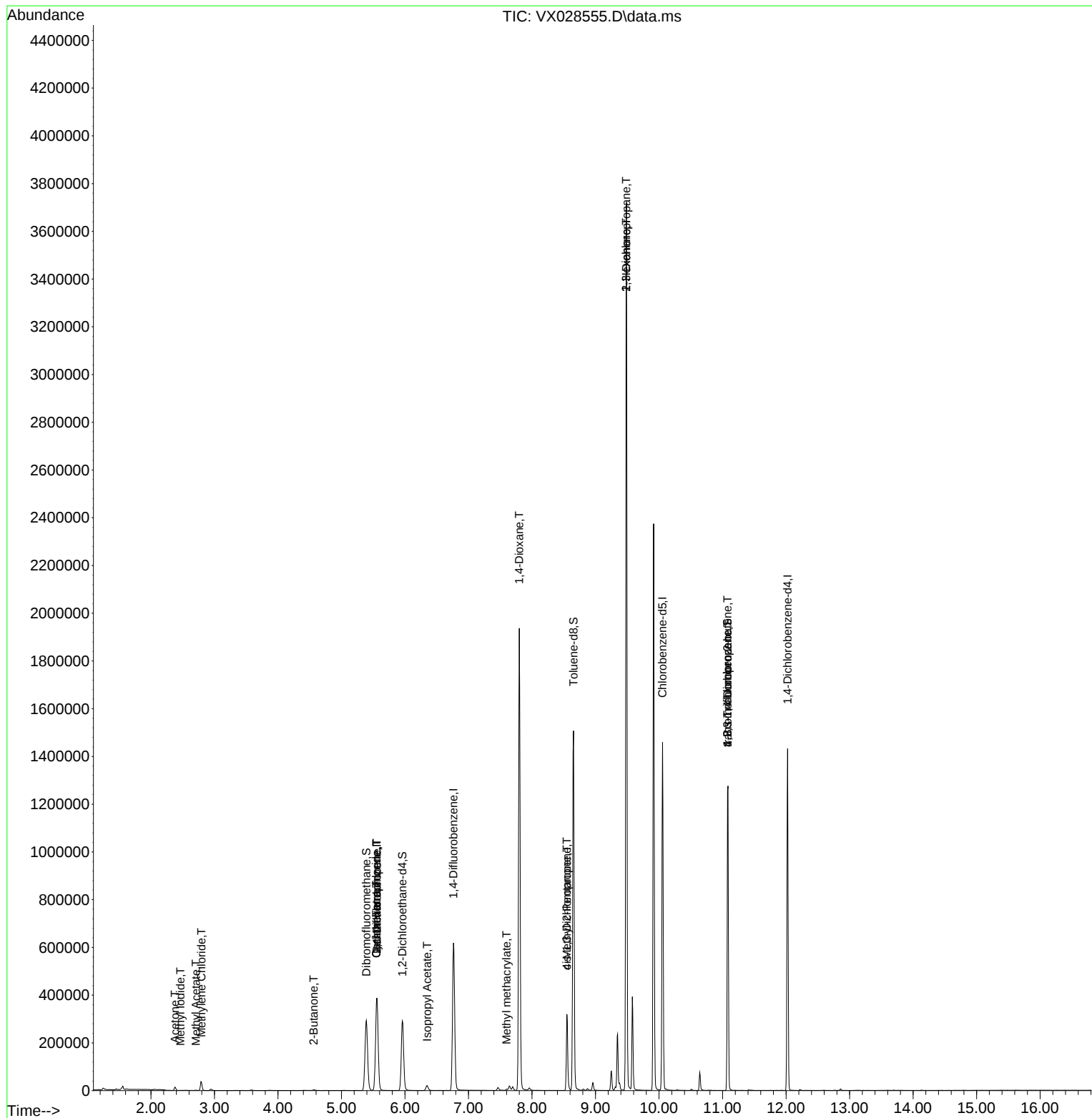
Internal Standards						
1) Pentafluorobenzene	5.556	168	381512	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	664314	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	665092	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	307705	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	273610	55.003	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	= 110.000%		
35) Dibromofluoromethane	5.391	113	253058	54.318	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	= 108.640%		
50) Toluene-d8	8.653	98	921999	51.527	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	= 103.060%		
62) 4-Bromofluorobenzene	11.079	95	337062	49.266	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	= 98.540%		
Target Compounds						Qvalue
3) Chloromethane	1.294	50	313	Below Cal		92
5) Bromomethane	1.611	94	891	Below Cal		84
6) Chloroethane	1.727	64	321	Below Cal	#	43
8) Diethyl Ether	2.130	74	90	Below Cal	#	1
10) Methyl Iodide	2.465	142	285	5.295 ug/l	#	81
11) Tert butyl alcohol	2.947	59	2991	Below Cal	#	75
16) Acetone	2.380	43	14727	8.343 ug/l		98
18) Methyl Acetate	2.709	43	2136	0.483 ug/l	#	87
20) Methylene Chloride	2.794	84	18156	4.919 ug/l		97
25) 2-Butanone	4.562	43	2542	0.863 ug/l		90
31) Cyclohexane	5.550	56	7486	1.235 ug/l	#	11
36) 1,1-Dichloropropene	5.556	75	27472	4.521 ug/l	#	50
38) Carbon Tetrachloride	5.550	117	38313	5.585 ug/l	#	16
43) Isopropyl Acetate	6.348	43	27442	2.734 ug/l		98
48) Methyl methacrylate	7.598	41	7680	1.667 ug/l	#	7
49) 1,4-Dioxane	7.799	88	344	2.791 ug/l	#	1
51) 4-Methyl-2-Pentanone	8.549	43	101063	15.693 ug/l	#	45
54) cis-1,3-Dichloropropene	8.549	75	53071	7.084 ug/l	#	70
57) 1,3-Dichloropropane	9.482	76	36152	4.461 ug/l	#	43
59) 2-Hexanone	9.482	43	403006	80.788 ug/l	#	45
76) 1,2,3-Trichloropropane	11.079	75	169160	27.933 ug/l	#	38
81) trans-1,4-Dichloro-2-b...	11.079	75	169160	83.011 ug/l	#	15

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

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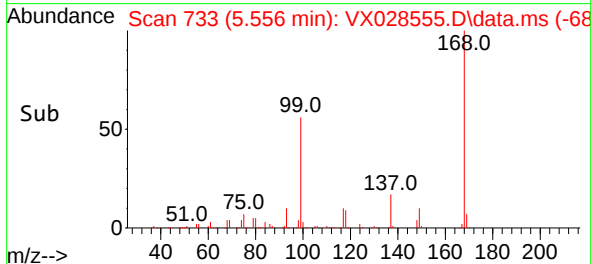
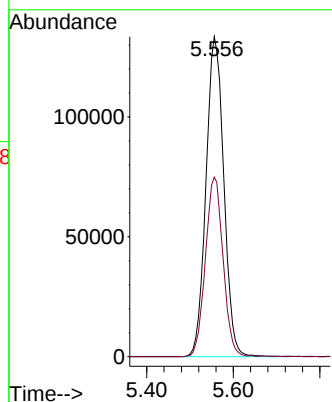
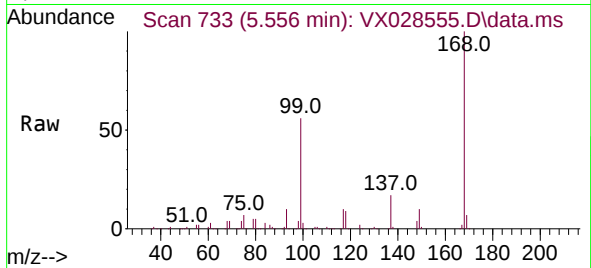




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.000 min
Lab File: VX028555.D
Acq: 06 May 2022 17:18

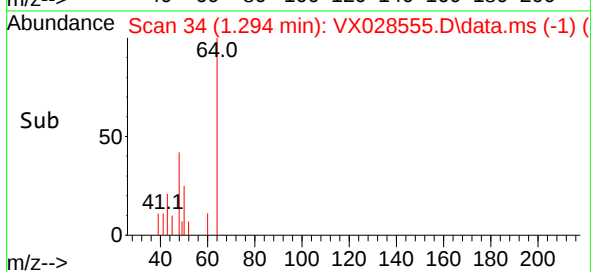
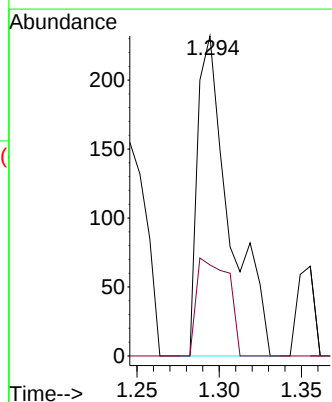
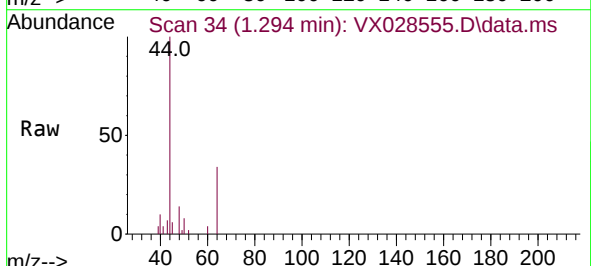
Instrument :
MSVOA_X
ClientSampleId :
MH-29S

Tgt Ion:168 Resp: 381512
Ion Ratio Lower Upper
168 100
99 56.1 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028555.D
Acq: 06 May 2022 17:18

Tgt Ion: 50 Resp: 313
Ion Ratio Lower Upper
50 100
52 28.4 26.4 39.6

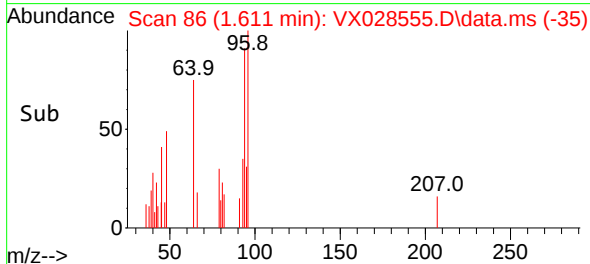
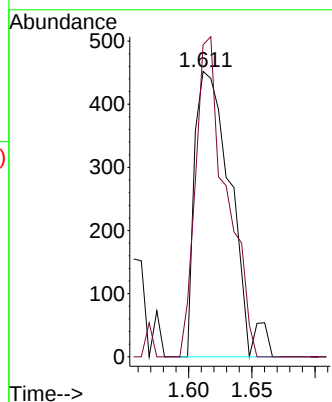
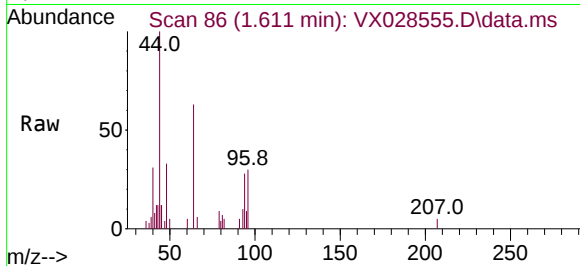




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028555.D
Acq: 06 May 2022 17:18

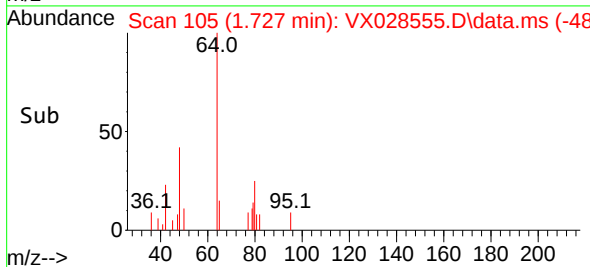
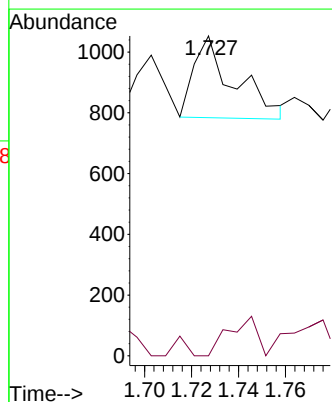
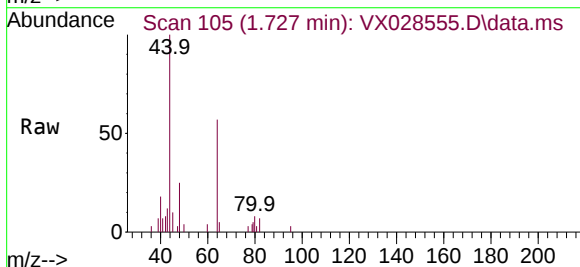
Instrument :
MSVOA_X
ClientSampleId :
MH-29S

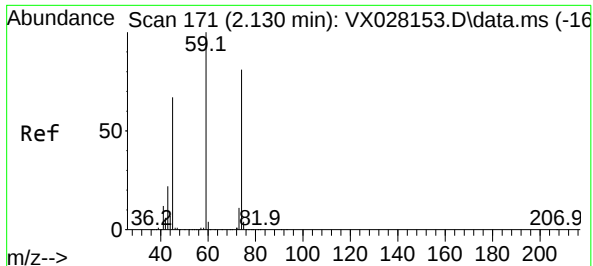
Tgt Ion: 94 Resp: 891
Ion Ratio Lower Upper
94 100
96 109.3 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.727 min Scan# 105
Delta R.T. 0.049 min
Lab File: VX028555.D
Acq: 06 May 2022 17:18

Tgt Ion: 64 Resp: 321
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

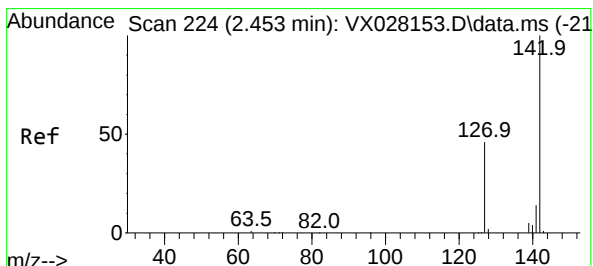
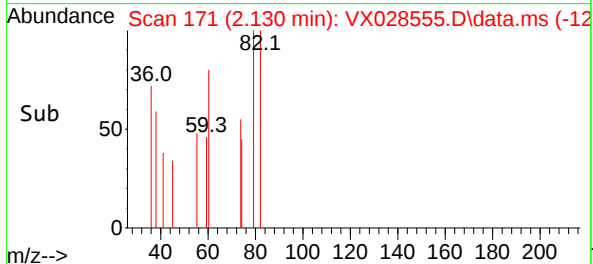
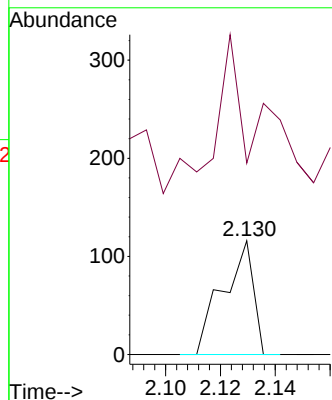
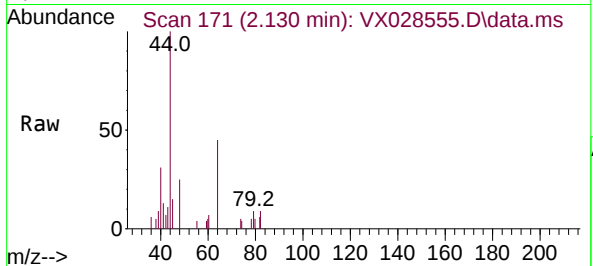




#8
Diethyl Ether
Concen: Below Cal
RT: 2.130 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028555.D
Acq: 06 May 2022 17:18

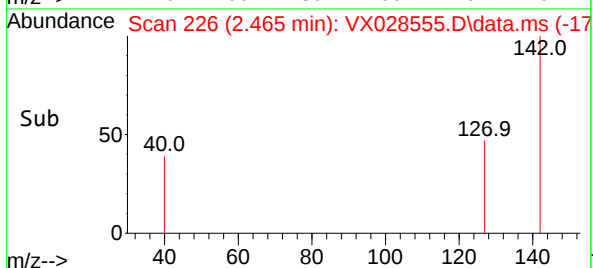
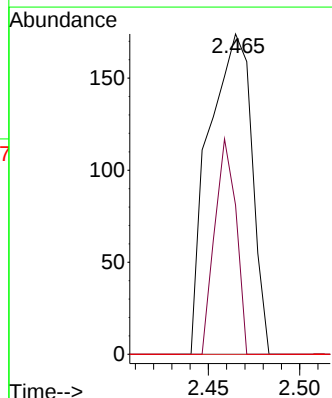
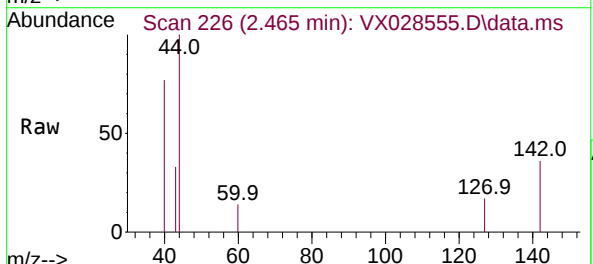
Instrument :
MSVOA_X
ClientSampleId :
MH-29S

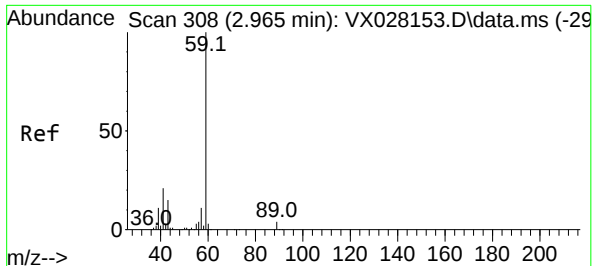
Tgt Ion: 74 Resp: 90
Ion Ratio Lower Upper
74 100
45 427.8 42.0 126.0#



#10
Methyl Iodide
Concen: 5.295 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX028555.D
Acq: 06 May 2022 17:18

Tgt Ion: 142 Resp: 285
Ion Ratio Lower Upper
142 100
127 33.3 33.9 50.9#
141 0.0 11.4 17.2#

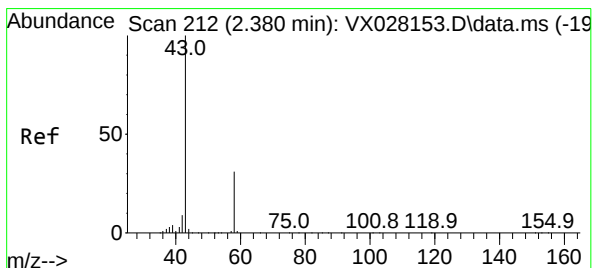
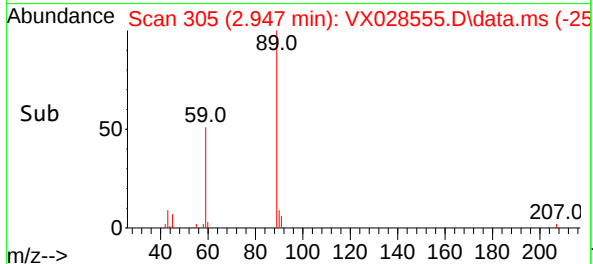
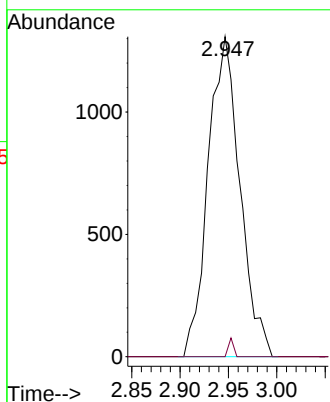
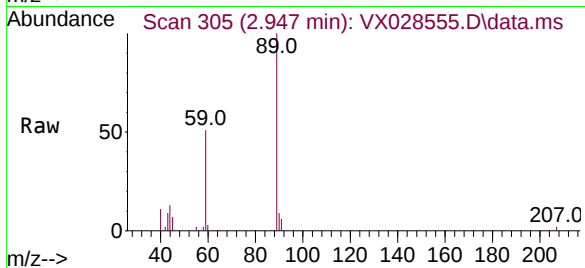




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX028555.D
Acq: 06 May 2022 17:18

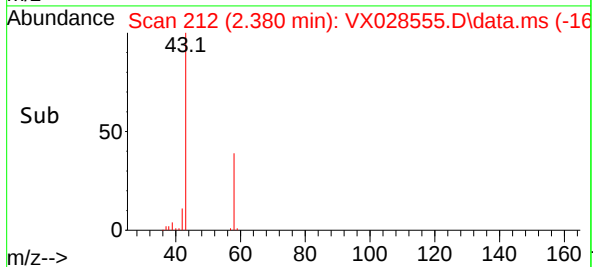
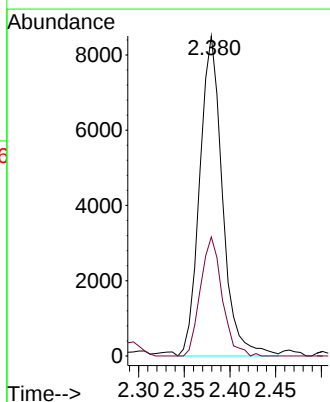
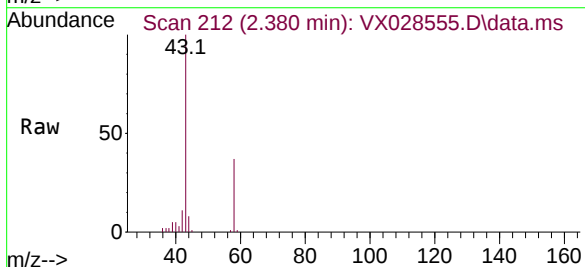
Instrument :
MSVOA_X
ClientSampleId :
MH-29S

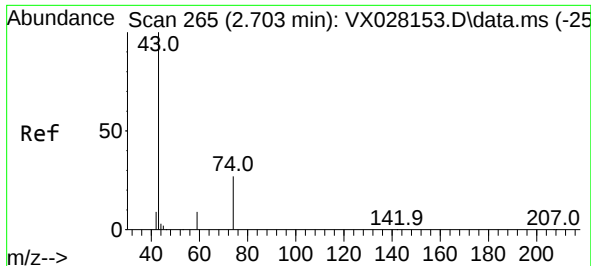
Tgt Ion: 59 Resp: 2991
Ion Ratio Lower Upper
59 100
57 0.9 8.3 12.5#



#16
Acetone
Concen: 8.343 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX028555.D
Acq: 06 May 2022 17:18

Tgt Ion: 43 Resp: 14727
Ion Ratio Lower Upper
43 100
58 37.2 28.8 43.2

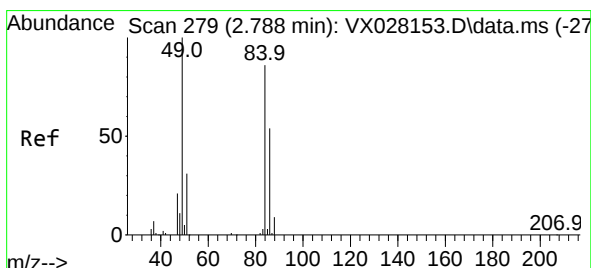
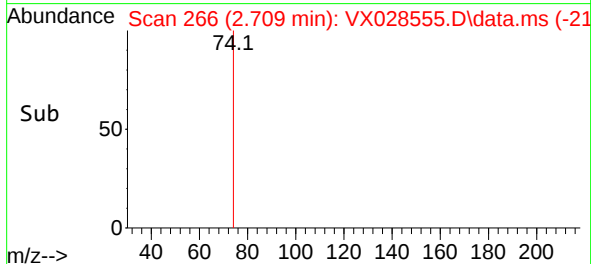
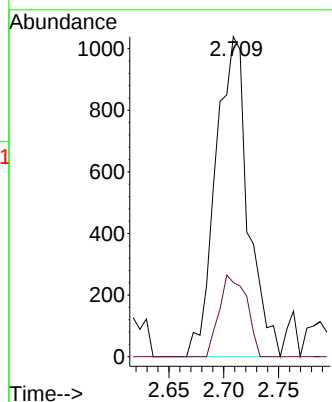
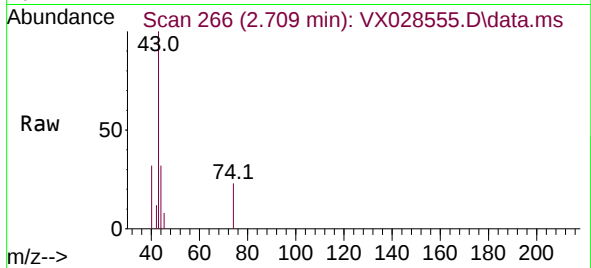




#18
Methyl Acetate
Concen: 0.483 ug/l
RT: 2.709 min Scan# 2136
Delta R.T. 0.006 min
Lab File: VX028555.D
Acq: 06 May 2022 17:18

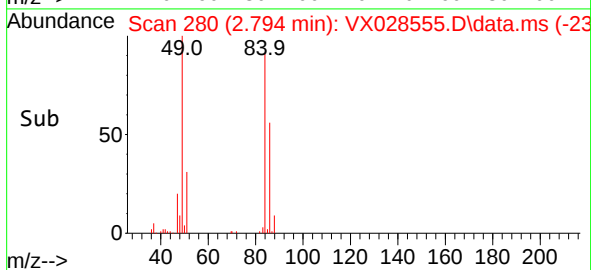
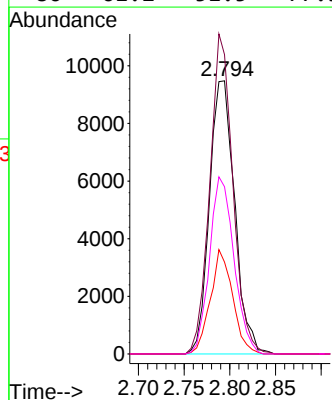
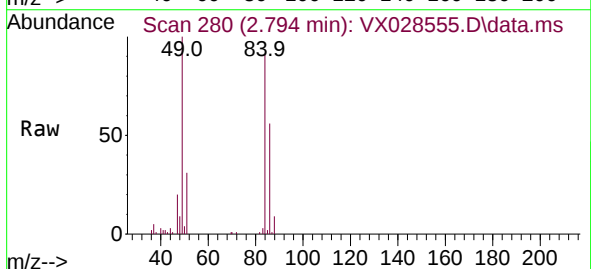
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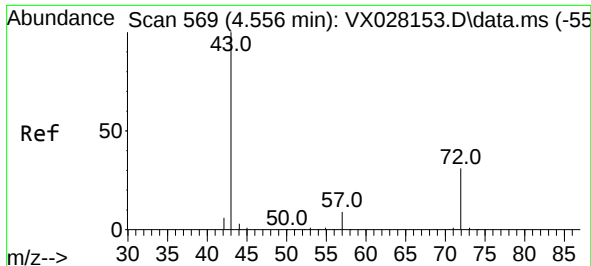
Tgt Ion: 43 Resp: 2136
Ion Ratio Lower Upper
43 100
74 21.3 22.8 34.2#



#20
Methylene Chloride
Concen: 4.919 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX028555.D
Acq: 06 May 2022 17:18

Tgt Ion: 84 Resp: 18156
Ion Ratio Lower Upper
84 100
49 109.6 85.5 128.3
51 33.6 26.6 39.8
86 61.2 51.5 77.3

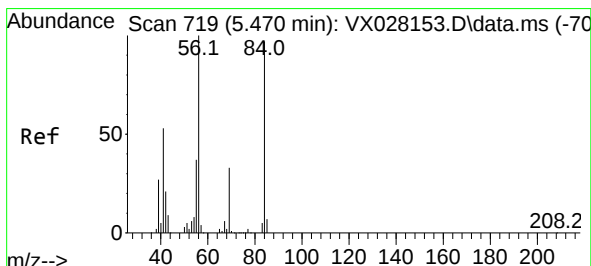
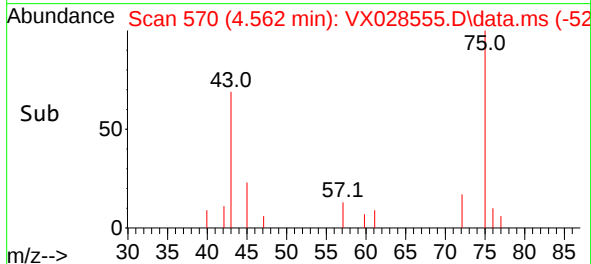
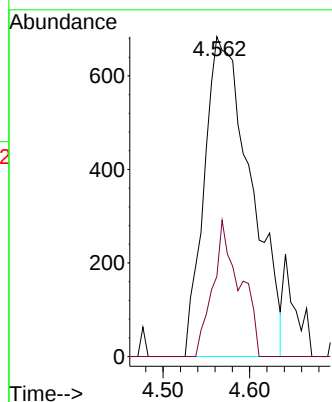
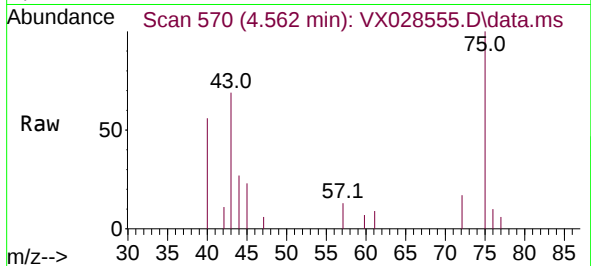




#25
2-Butanone
Concen: 0.863 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX028555.D
Acq: 06 May 2022 17:18

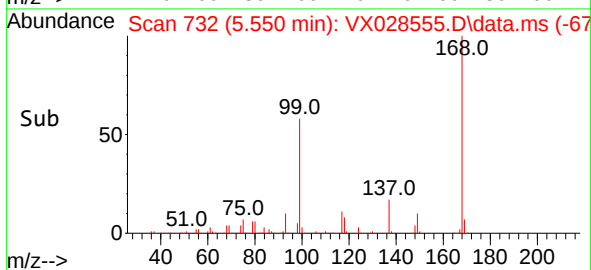
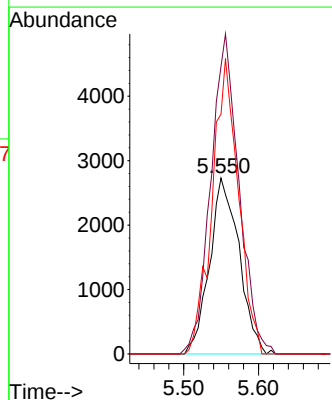
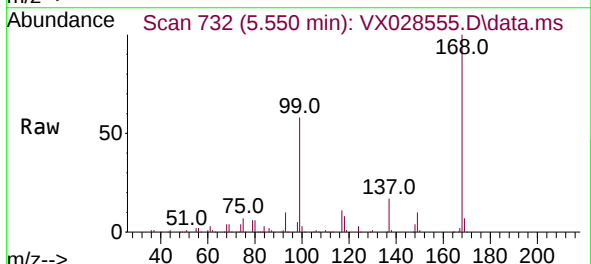
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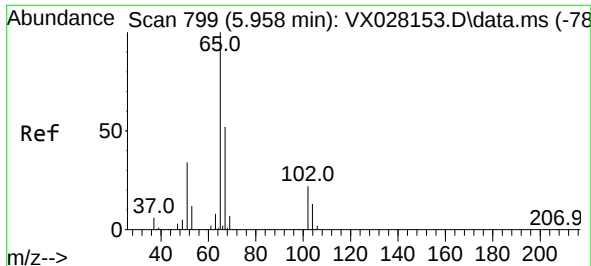
Tgt Ion: 43 Resp: 2542
Ion Ratio Lower Upper
43 100
72 25.0 24.4 36.6



#31
Cyclohexane
Concen: 1.235 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.080 min
Lab File: VX028555.D
Acq: 06 May 2022 17:18

Tgt Ion: 56 Resp: 7486
Ion Ratio Lower Upper
56 100
69 163.5 26.7 40.1#
84 136.3 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 55.003 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028555.D

Acq: 06 May 2022 17:18

Instrument :

MSVOA_X

ClientSampleId :

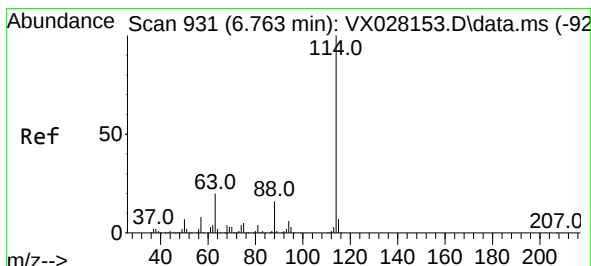
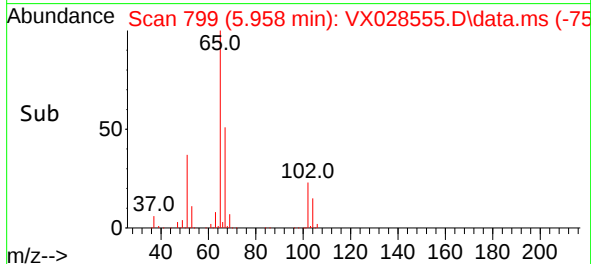
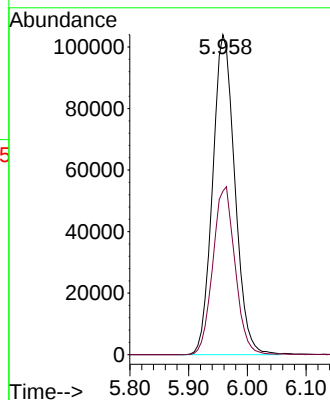
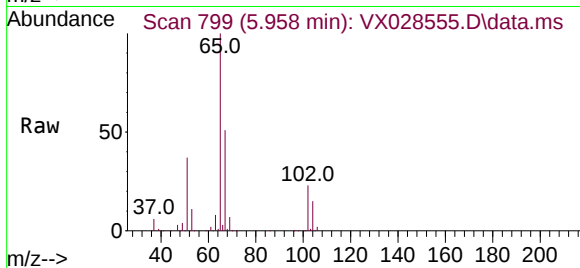
MH-29S

Tgt Ion: 65 Resp: 273610

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# 931

Delta R.T. -0.000 min

Lab File: VX028555.D

Acq: 06 May 2022 17:18

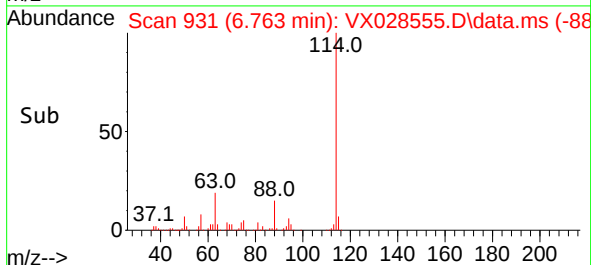
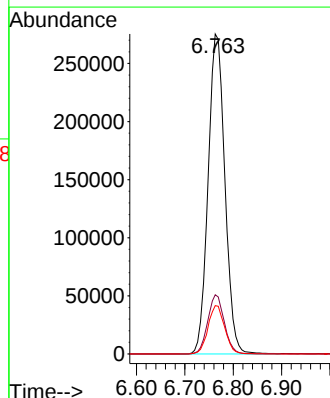
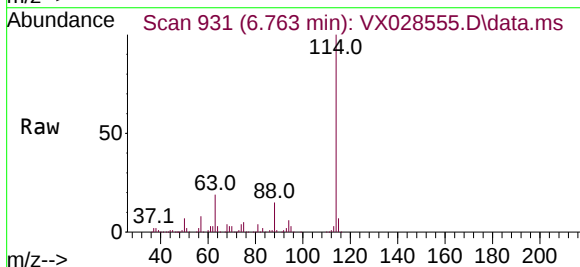
Tgt Ion: 114 Resp: 664314

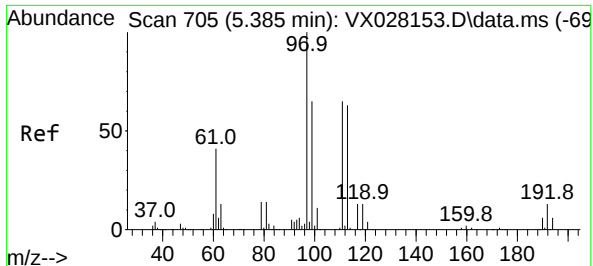
Ion Ratio Lower Upper

114 100

63 18.5 0.0 36.8

88 15.1 0.0 32.4





#35

Dibromofluoromethane

Concen: 54.318 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX028555.D

Acq: 06 May 2022 17:18

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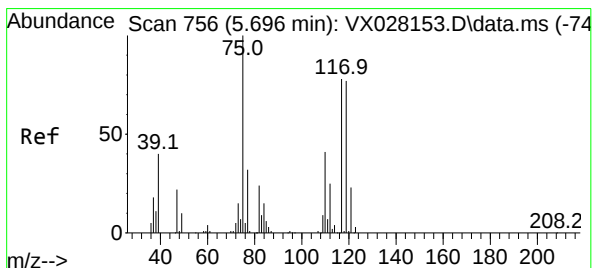
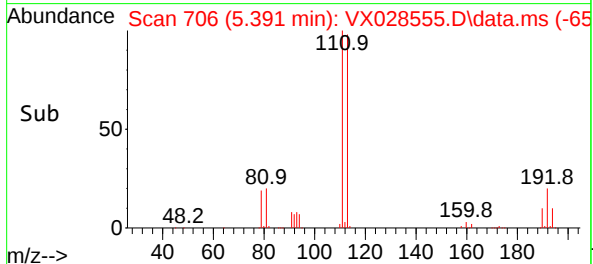
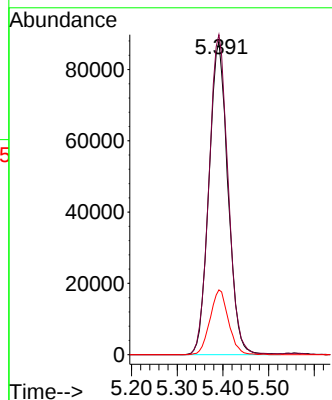
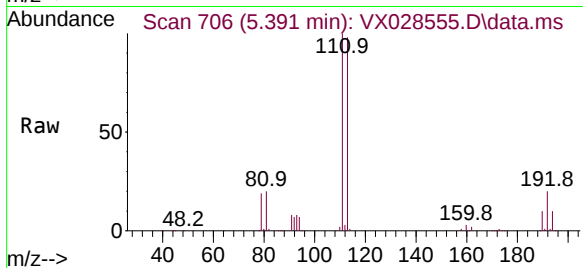
Tgt Ion:113 Resp: 253058

Ion Ratio Lower Upper

113 100

111 102.8 82.8 124.2

192 20.1 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.521 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX028555.D

Acq: 06 May 2022 17:18

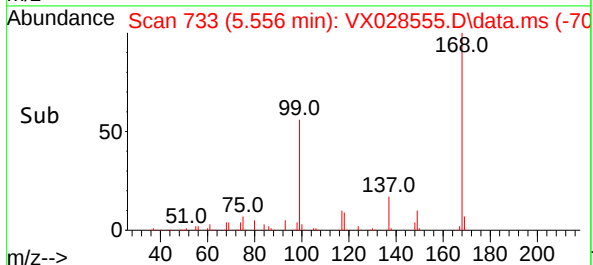
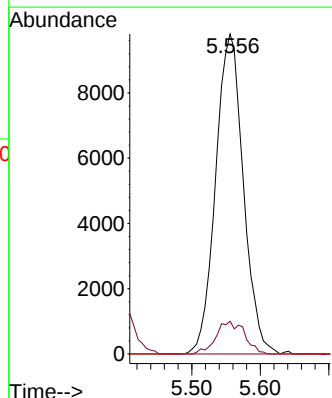
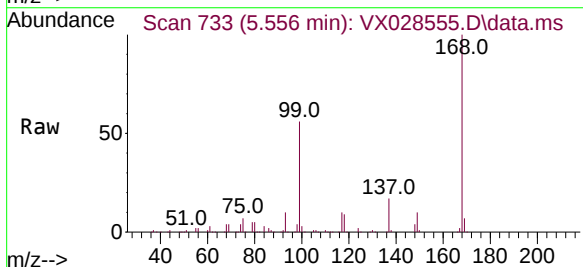
Tgt Ion: 75 Resp: 27472

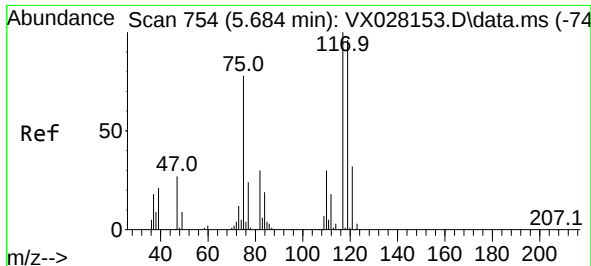
Ion Ratio Lower Upper

75 100

110 10.6 18.3 54.8#

77 0.0 24.8 37.2#

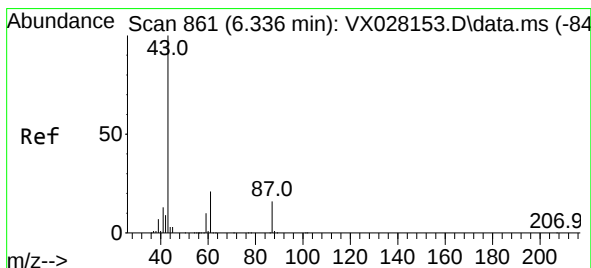
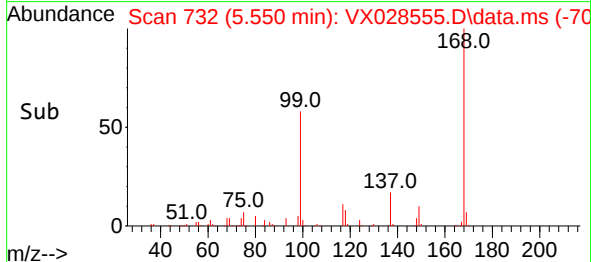
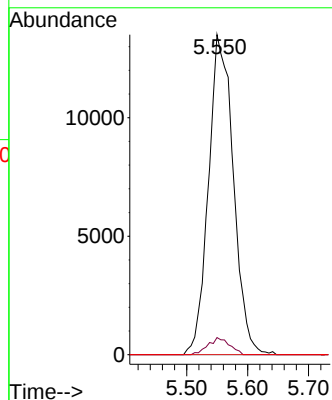
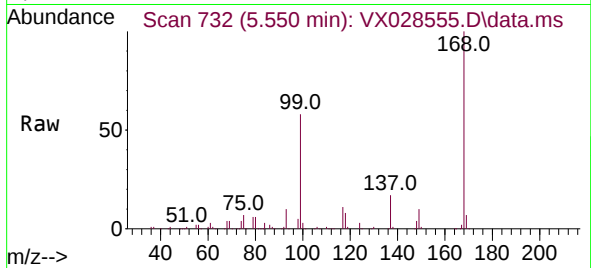




#38
Carbon Tetrachloride
Concen: 5.585 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX028555.D
Acq: 06 May 2022 17:18

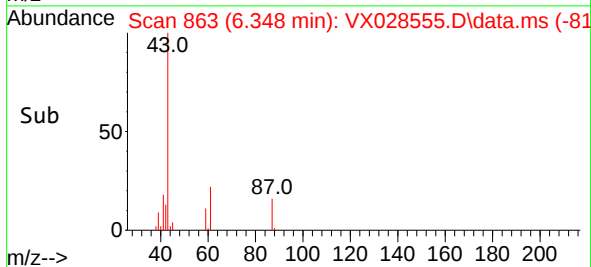
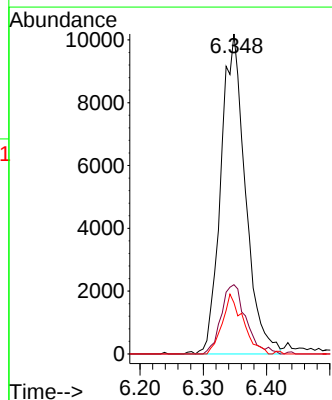
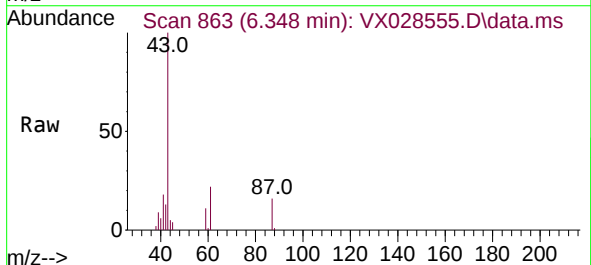
Instrument :
MSVOA_X
ClientSampleId :
MH-29S

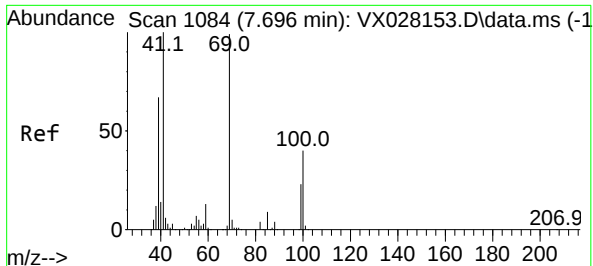
Tgt Ion:117 Resp: 38313
Ion Ratio Lower Upper
117 100
119 5.4 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.734 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX028555.D
Acq: 06 May 2022 17:18

Tgt Ion: 43 Resp: 27442
Ion Ratio Lower Upper
43 100
61 21.8 18.5 27.7
87 16.0 13.0 19.6





#48

Methyl methacrylate

Concen: 1.667 ug/l

RT: 7.598 min Scan# 1100

Delta R.T. -0.098 min

Lab File: VX028555.D

Acq: 06 May 2022 17:18

Instrument :

MSVOA_X

ClientSampleId :

MH-29S

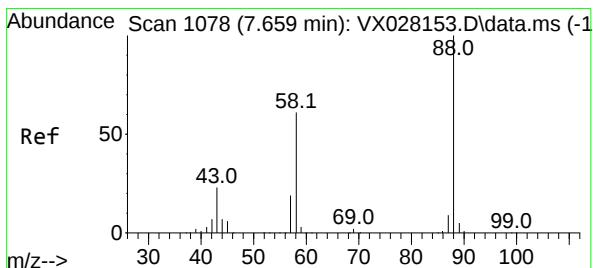
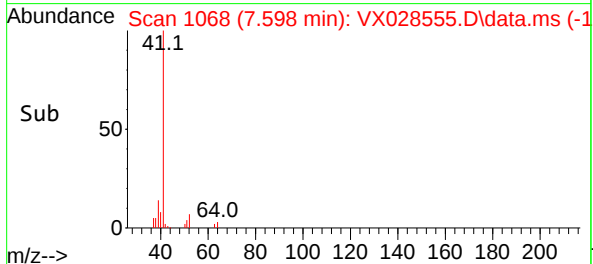
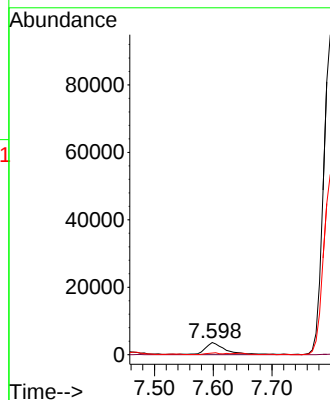
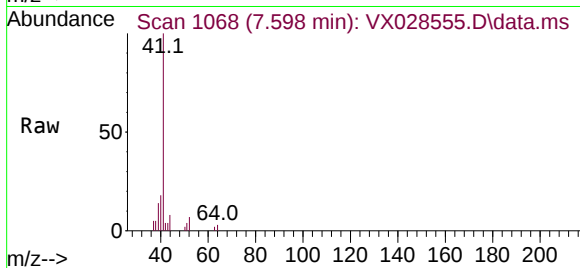
Tgt Ion: 41 Resp: 7680

Ion Ratio Lower Upper

41 100

69 0.0 82.5 123.7#

39 0.0 43.8 65.8#



#49

1,4-Dioxane

Concen: 2.791 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.140 min

Lab File: VX028555.D

Acq: 06 May 2022 17:18

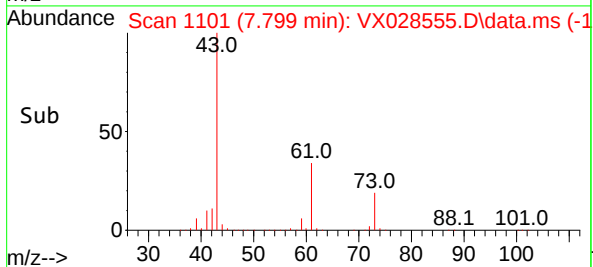
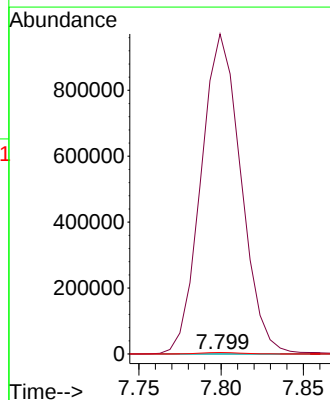
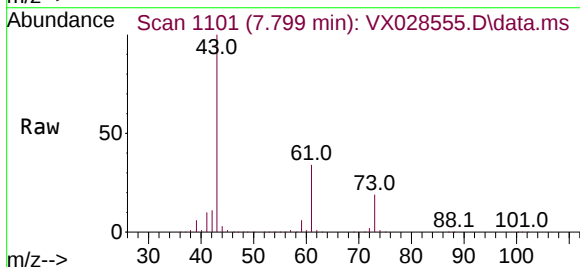
Tgt Ion: 88 Resp: 344

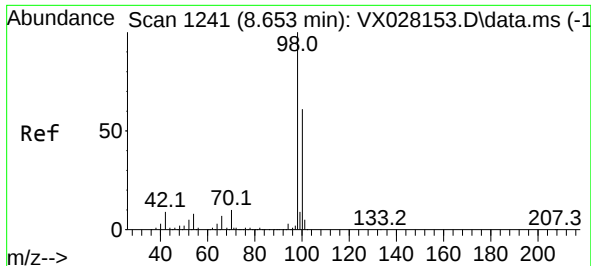
Ion Ratio Lower Upper

88 100

43 480198.5 21.9 32.9#

58 2339.2 53.7 80.5#

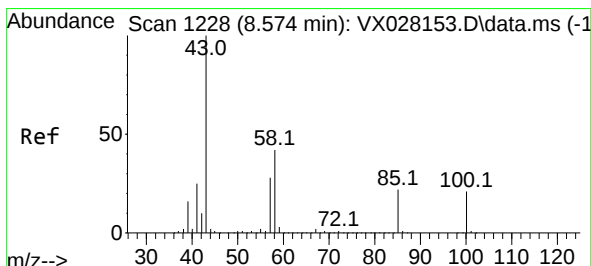
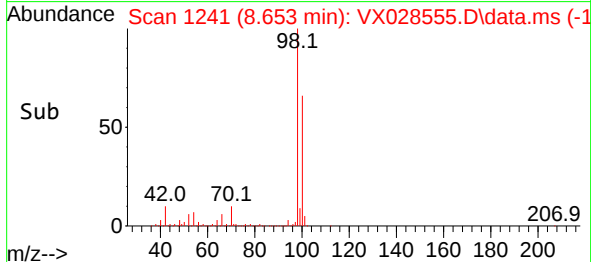
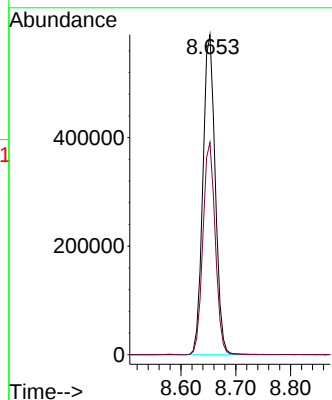
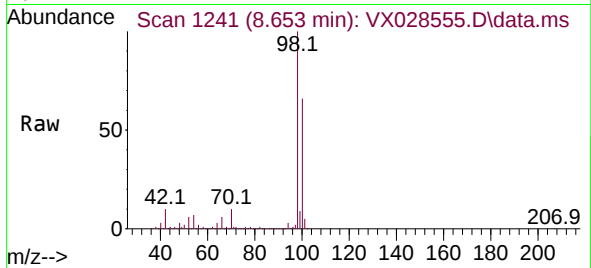




#50
Toluene-d8
Concen: 51.527 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX028555.D
Acq: 06 May 2022 17:18

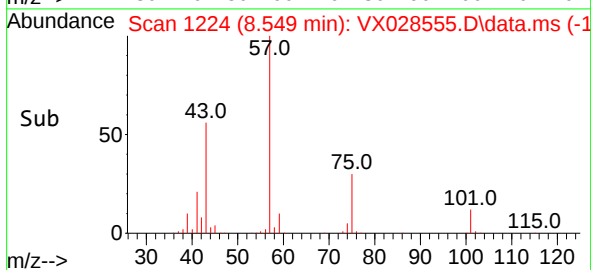
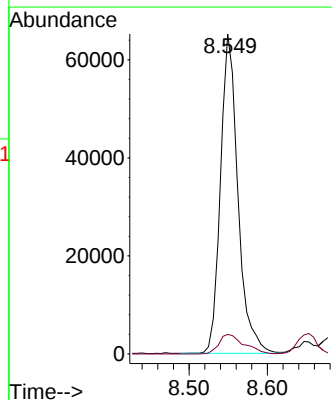
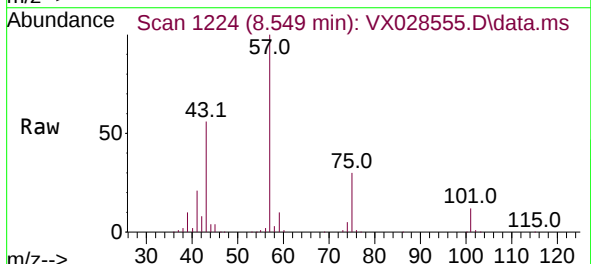
Instrument :
MSVOA_X
ClientSampleId :
MH-29S

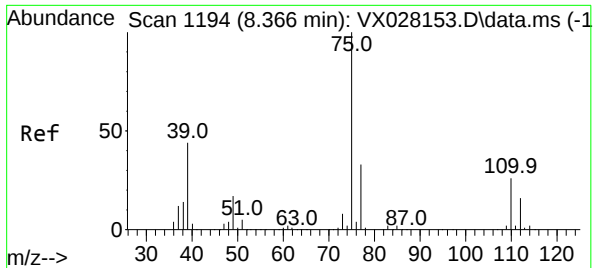
Tgt Ion: 98 Resp: 921999
Ion Ratio Lower Upper
98 100
100 66.3 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 15.693 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX028555.D
Acq: 06 May 2022 17:18

Tgt Ion: 43 Resp: 101063
Ion Ratio Lower Upper
43 100
58 8.9 36.1 54.1#

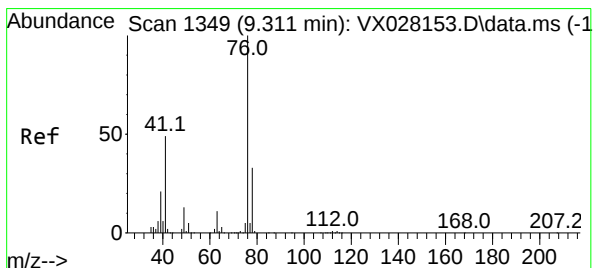
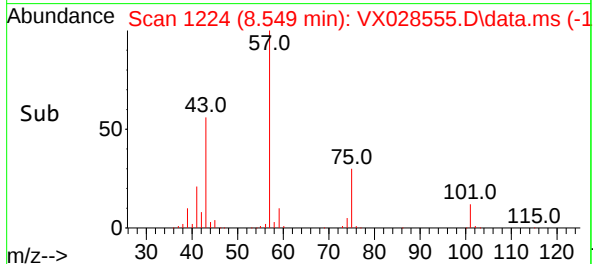
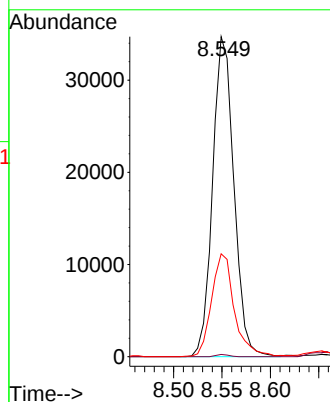
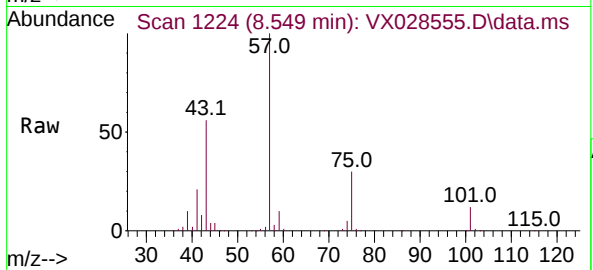




#54
 cis-1,3-Dichloropropene
 Concen: 7.084 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX028555.D
 Acq: 06 May 2022 17:18

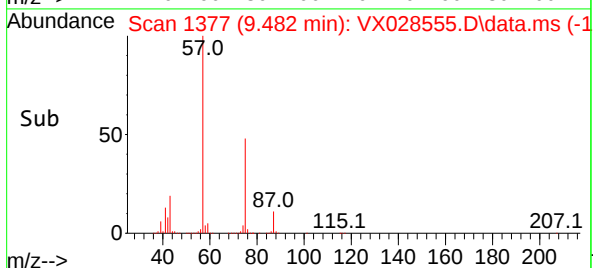
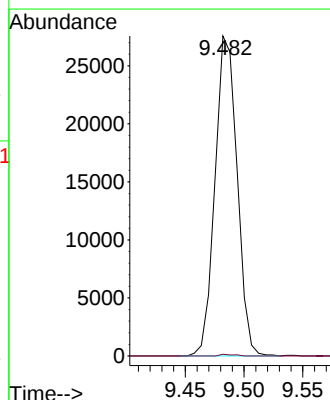
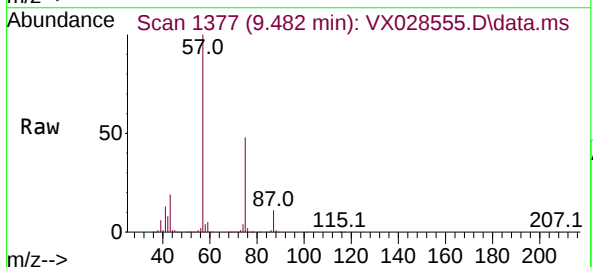
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-29S

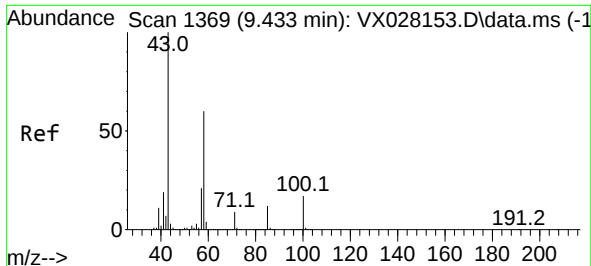
Tgt Ion: 75 Resp: 53071
 Ion Ratio Lower Upper
 75 100
 77 0.7 24.8 37.2#
 39 32.2 29.6 44.4



#57
 1,3-Dichloropropane
 Concen: 4.461 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX028555.D
 Acq: 06 May 2022 17:18

Tgt Ion: 76 Resp: 36152
 Ion Ratio Lower Upper
 76 100
 78 0.3 25.8 38.8#





#59

2-Hexanone

Concen: 80.788 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX028555.D

Acq: 06 May 2022 17:18

Instrument :

MSVOA_X

ClientSampleId :

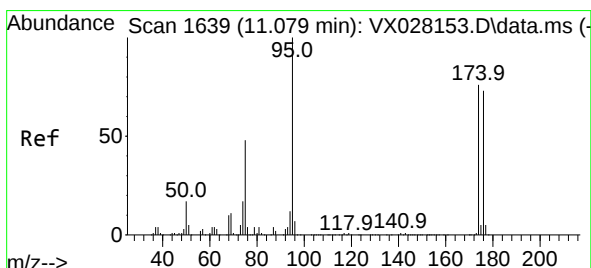
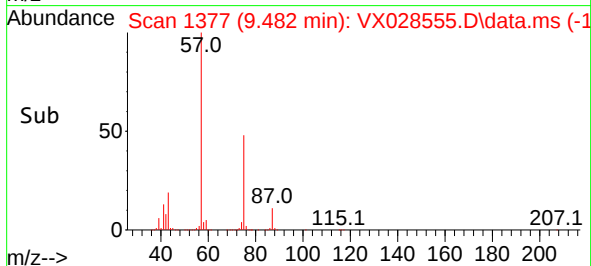
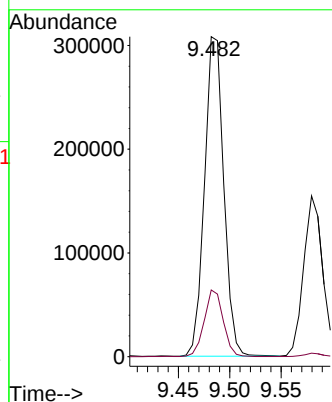
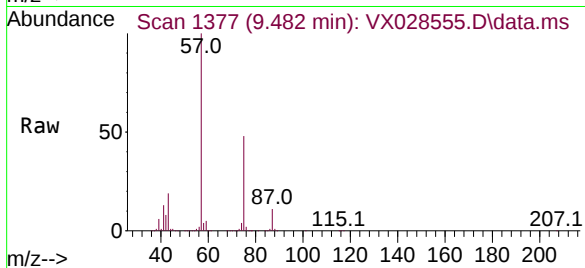
MH-29S

Tgt Ion: 43 Resp: 403006

Ion Ratio Lower Upper

43 100

58 20.5 31.9 95.7#



#62

4-Bromofluorobenzene

Concen: 49.266 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX028555.D

Acq: 06 May 2022 17:18

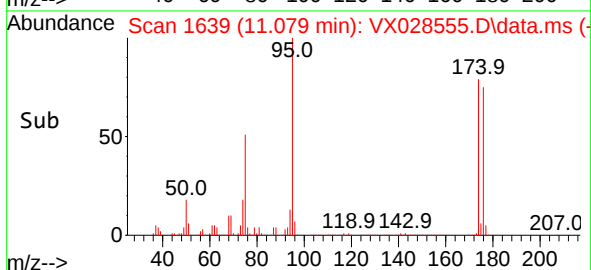
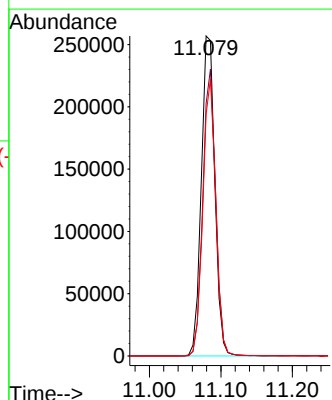
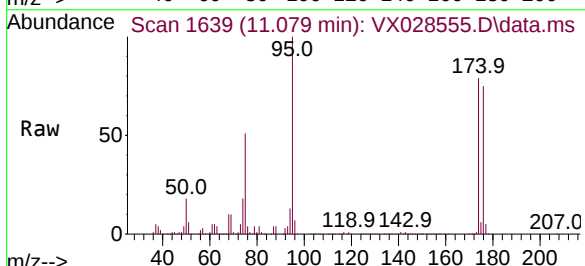
Tgt Ion: 95 Resp: 337062

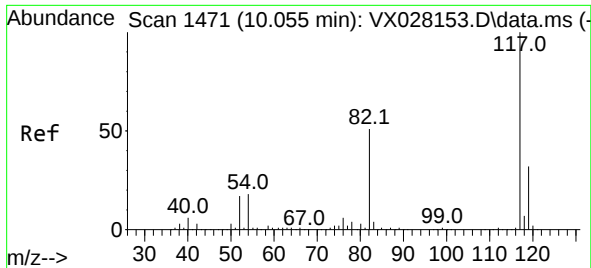
Ion Ratio Lower Upper

95 100

174 85.8 0.0 163.0

176 82.9 0.0 155.0

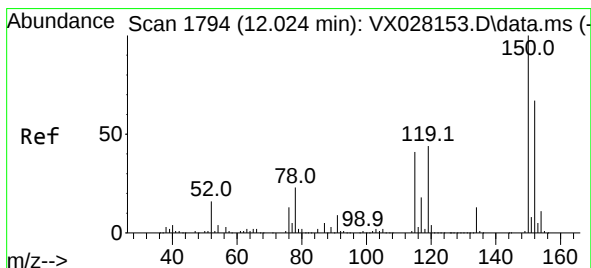
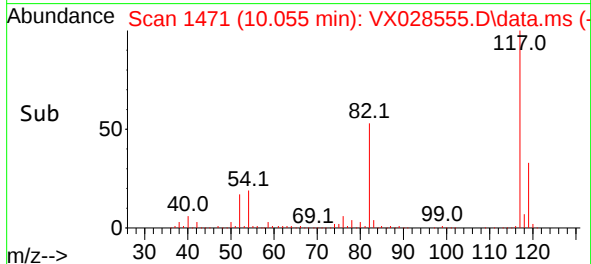
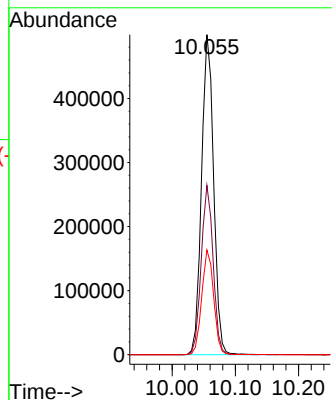
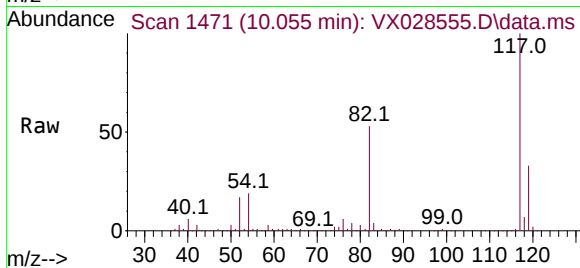




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028555.D
Acq: 06 May 2022 17:18

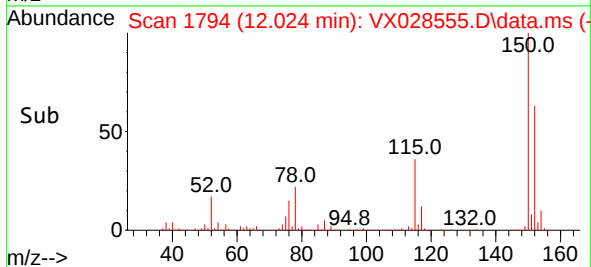
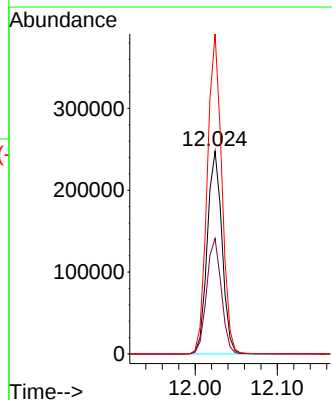
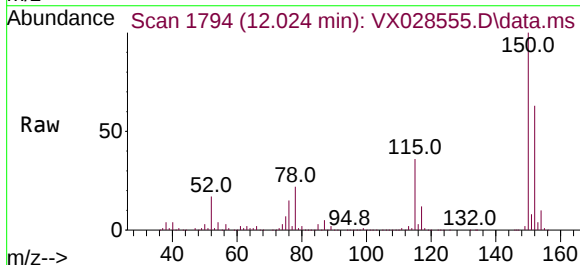
Instrument :
MSVOA_X
ClientSampleId :
MH-29S

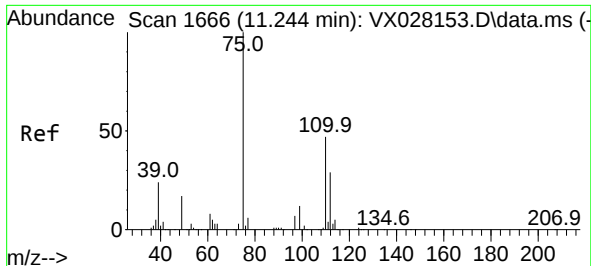
Tgt Ion:117 Resp: 665092
Ion Ratio Lower Upper
117 100
82 52.9 41.8 62.8
119 32.7 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028555.D
Acq: 06 May 2022 17:18

Tgt Ion:152 Resp: 307705
Ion Ratio Lower Upper
152 100
115 57.0 37.5 112.7
150 155.6 0.0 338.2

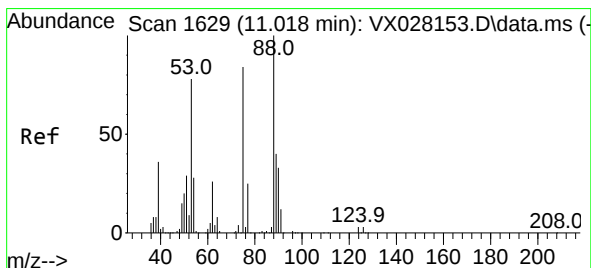
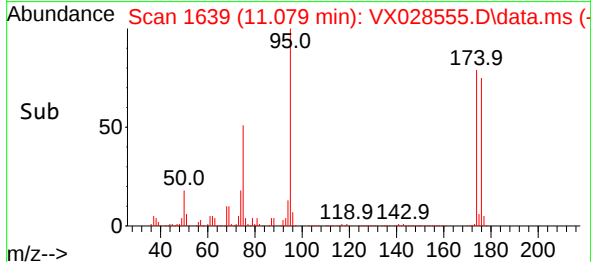
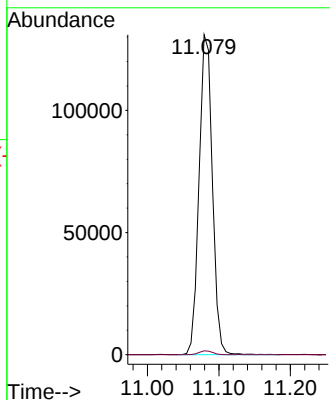
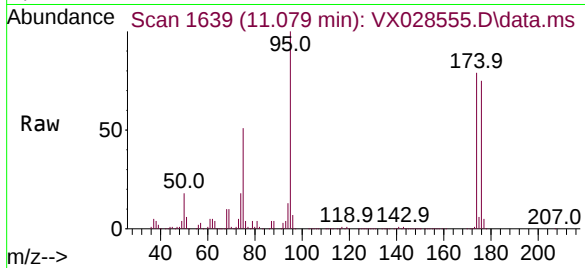




#76
1,2,3-Trichloropropane
Concen: 27.933 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028555.D
Acq: 06 May 2022 17:18

Instrument :
MSVOA_X
ClientSampleId :
MH-29S

Tgt Ion: 75 Resp: 169160
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.011 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028555.D
Acq: 06 May 2022 17:18

Tgt Ion: 75 Resp: 169160
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

