

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050622\
 Data File : VX028556.D
 Acq On : 06 May 2022 17:42
 Operator : JC/MD
 Sample : N2703-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-29D

Quant Time: May 07 06:04:57 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)

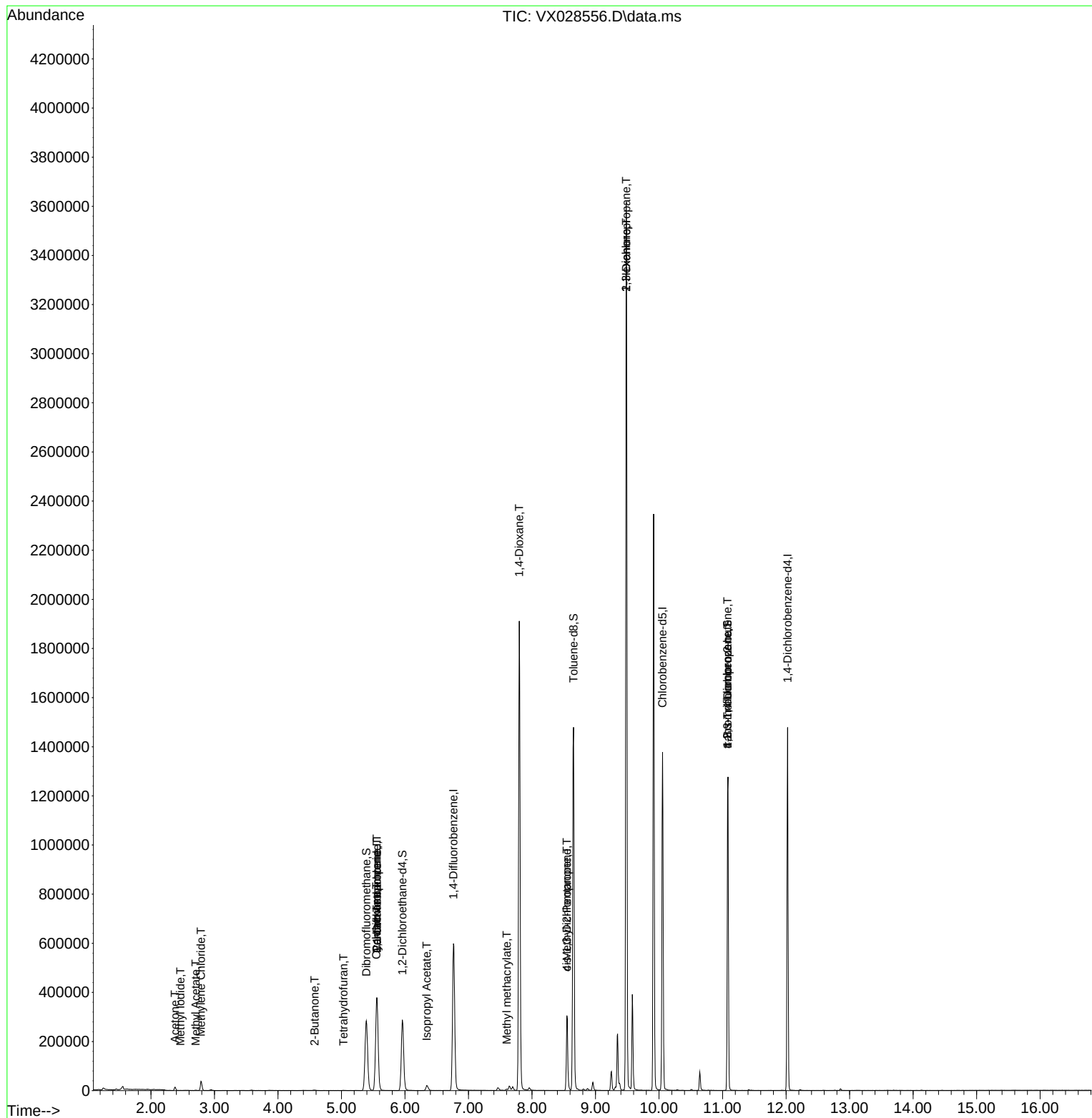
Internal Standards						
1) Pentafluorobenzene	5.556	168	369686	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	648333	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	642495	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	300469	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	268741	55.752	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 111.500%	
35) Dibromofluoromethane	5.391	113	248410	54.635	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 109.280%	
50) Toluene-d8	8.653	98	910591	52.144	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 104.280%	
62) 4-Bromofluorobenzene	11.079	95	332323	49.770	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 99.540%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	386	Below Cal	#	42
5) Bromomethane	1.617	94	854	Below Cal		94
6) Chloroethane	1.764	64	259	Below Cal	#	51
8) Diethyl Ether	2.135	74	91	Below Cal	#	7
10) Methyl Iodide	2.465	142	251	5.289	ug/l #	72
11) Tert butyl alcohol	2.946	59	1840	Below Cal	#	72
16) Acetone	2.379	43	14068	8.205	ug/l	98
18) Methyl Acetate	2.702	43	2115	0.493	ug/l	95
20) Methylene Chloride	2.788	84	17041	4.765	ug/l	92
25) 2-Butanone	4.574	43	2477	0.868	ug/l #	73
29) Tetrahydrofuran	5.031	42	607	0.326	ug/l #	57
31) Cyclohexane	5.549	56	7166	1.220	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	26993	4.551	ug/l #	50
38) Carbon Tetrachloride	5.556	117	36328	5.426	ug/l #	15
43) Isopropyl Acetate	6.342	43	26942	2.751	ug/l	97
48) Methyl methacrylate	7.604	41	7403	1.646	ug/l #	8
49) 1,4-Dioxane	7.799	88	412	3.425	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	97650	15.537	ug/l #	45
54) cis-1,3-Dichloropropene	8.549	75	52807	7.222	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	34412	4.351	ug/l #	43
59) 2-Hexanone	9.482	43	394966	81.127	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	166416	28.142	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	166416	83.631	ug/l #	15

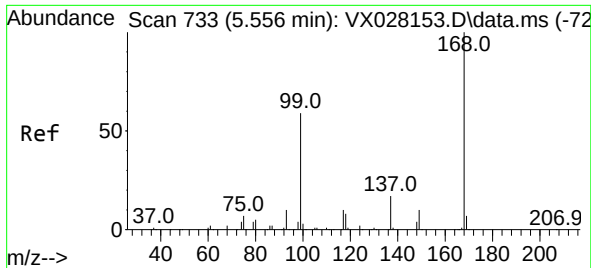
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Apr 19 13:38:04 2022
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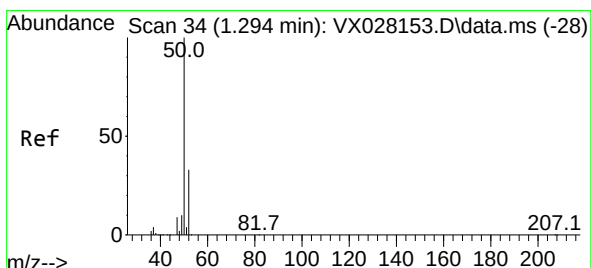
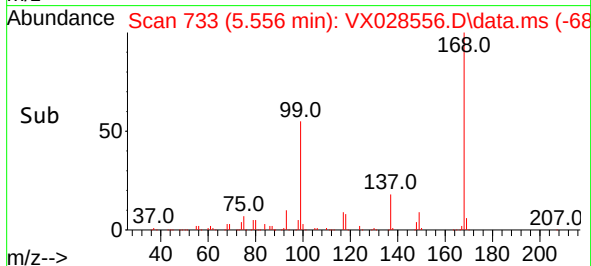
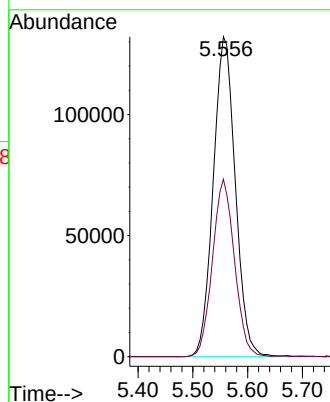
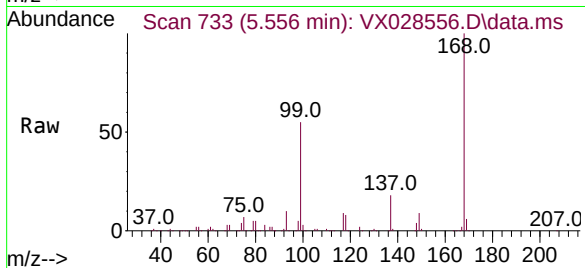




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028556.D
Acq: 06 May 2022 17:42

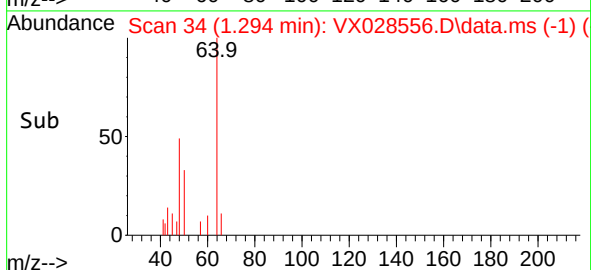
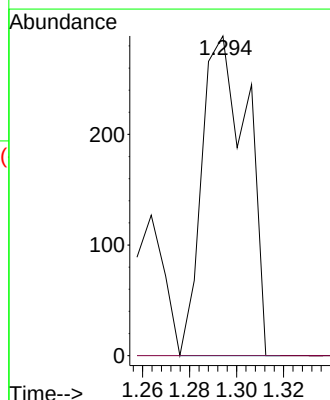
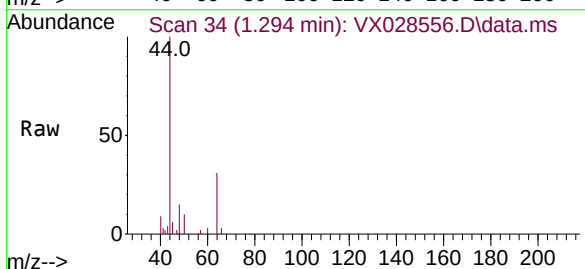
Instrument :
MSVOA_X
ClientSampleId :
MH-29D

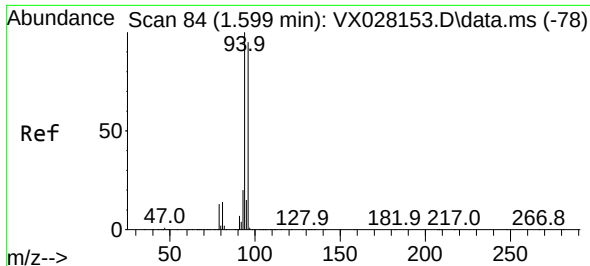
Tgt Ion:168 Resp: 369686
Ion Ratio Lower Upper
168 100
99 55.5 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028556.D
Acq: 06 May 2022 17:42

Tgt Ion: 50 Resp: 386
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

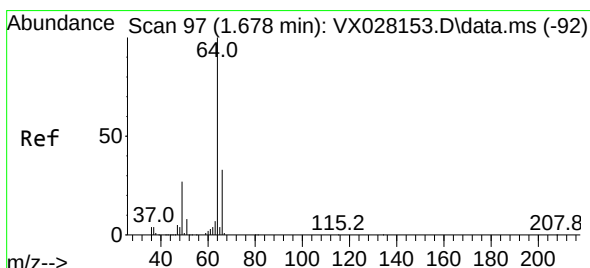
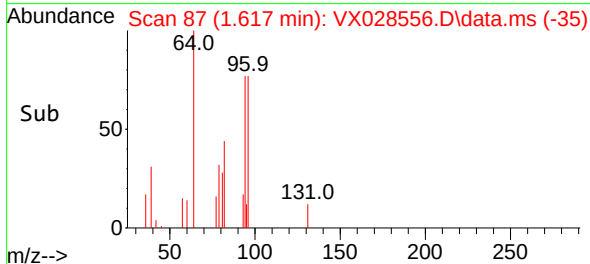
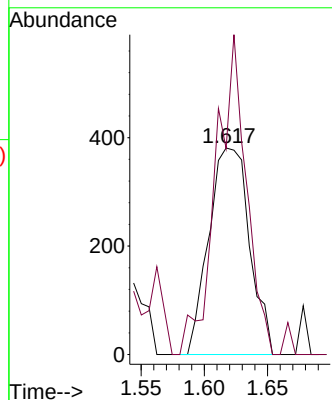
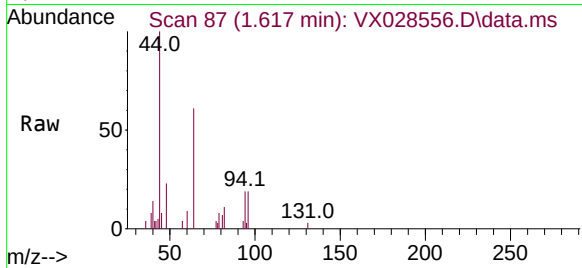




#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX028556.D
Acq: 06 May 2022 17:42

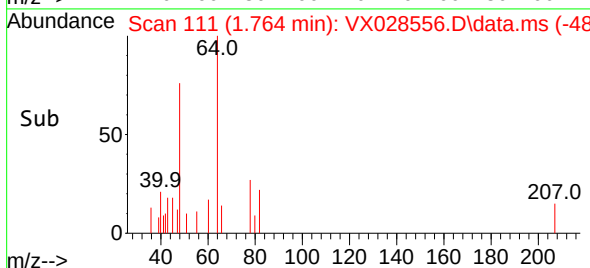
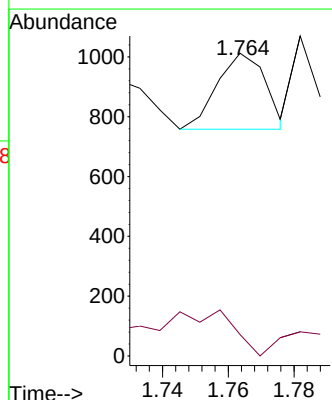
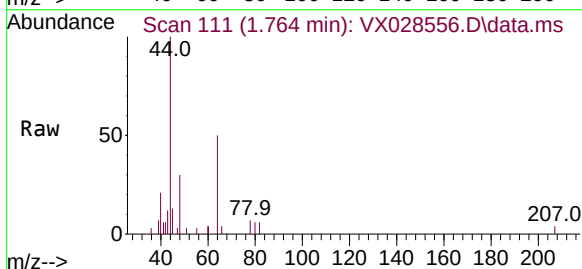
Instrument :
MSVOA_X
ClientSampleId :
MH-29D

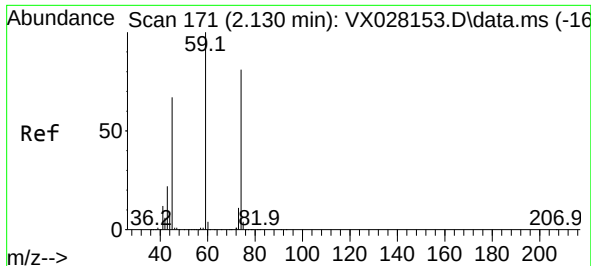
Tgt Ion: 94 Resp: 854
Ion Ratio Lower Upper
94 100
96 99.7 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.764 min Scan# 111
Delta R.T. 0.086 min
Lab File: VX028556.D
Acq: 06 May 2022 17:42

Tgt Ion: 64 Resp: 259
Ion Ratio Lower Upper
64 100
66 4.3 25.3 37.9#

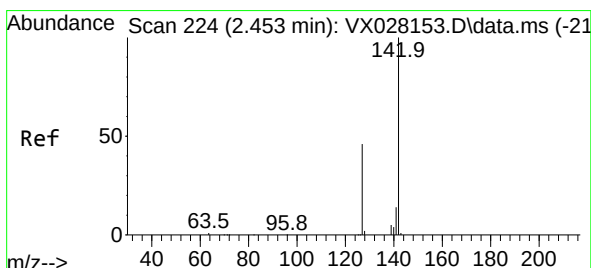
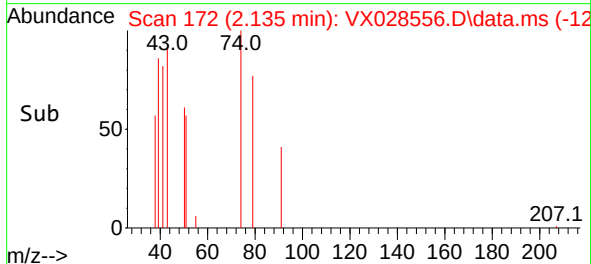
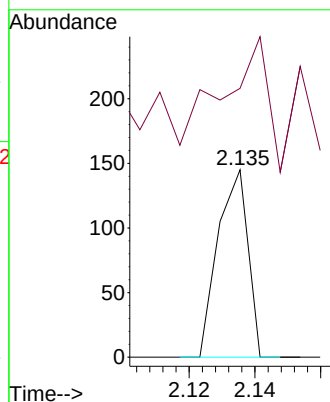
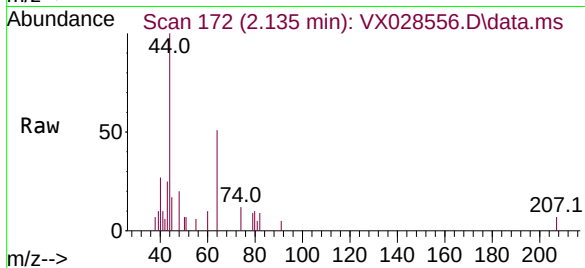




#8
Diethyl Ether
Concen: Below Cal
RT: 2.135 min Scan# 11
Delta R.T. 0.005 min
Lab File: VX028556.D
Acq: 06 May 2022 17:42

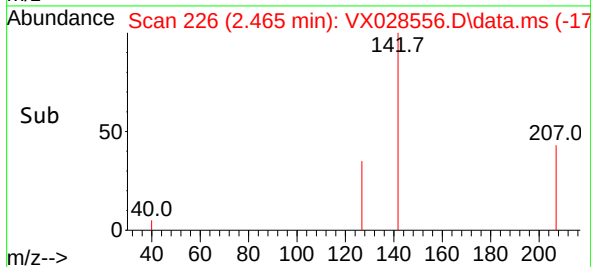
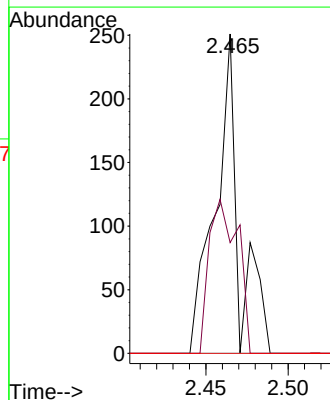
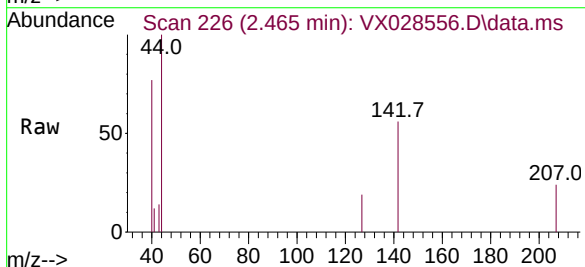
Instrument :
MSVOA_X
ClientSampleId :
MH-29D

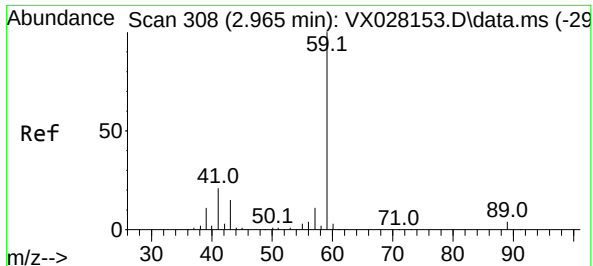
Tgt Ion: 74 Resp: 91
Ion Ratio Lower Upper
74 100
45 0.0 42.0 126.0#



#10
Methyl Iodide
Concen: 5.289 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX028556.D
Acq: 06 May 2022 17:42

Tgt Ion:142 Resp: 251
Ion Ratio Lower Upper
142 100
127 59.0 33.9 50.9#
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.946 min Scan# 308

Delta R.T. -0.019 min

Lab File: VX028556.D

Acq: 06 May 2022 17:42

Instrument :

MSVOA_X

ClientSampleId :

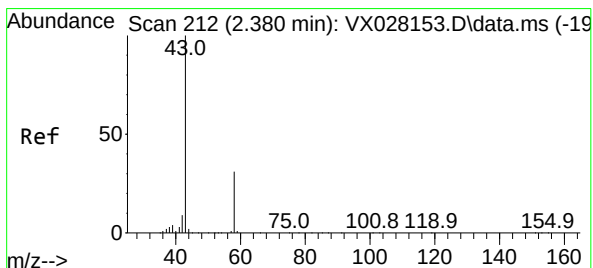
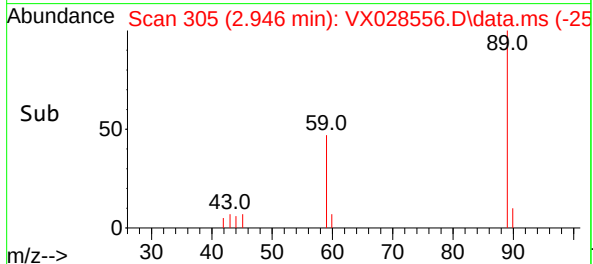
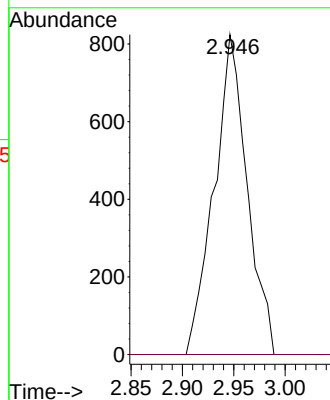
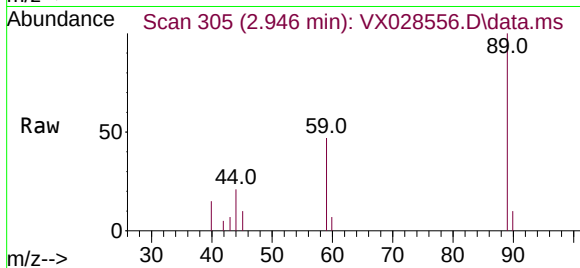
MH-29D

Tgt Ion: 59 Resp: 1840

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 8.205 ug/l

RT: 2.379 min Scan# 212

Delta R.T. -0.001 min

Lab File: VX028556.D

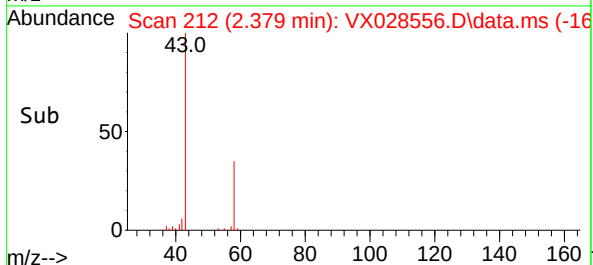
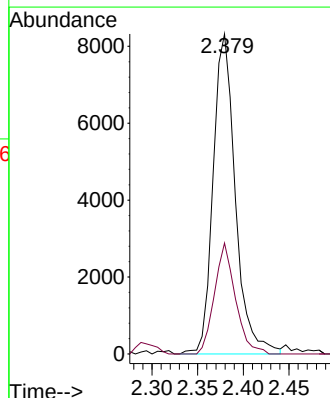
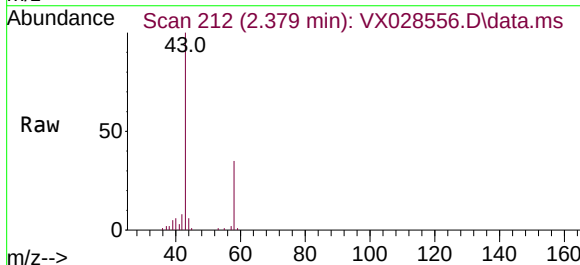
Acq: 06 May 2022 17:42

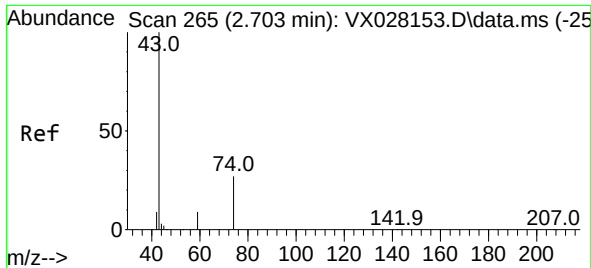
Tgt Ion: 43 Resp: 14068

Ion Ratio Lower Upper

43 100

58 34.7 28.8 43.2

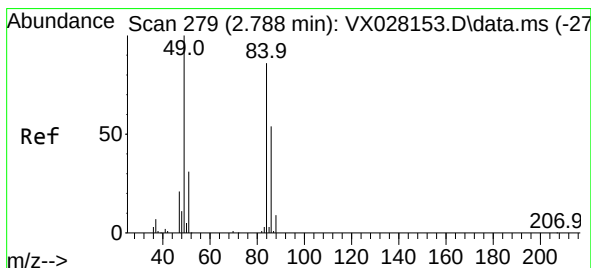
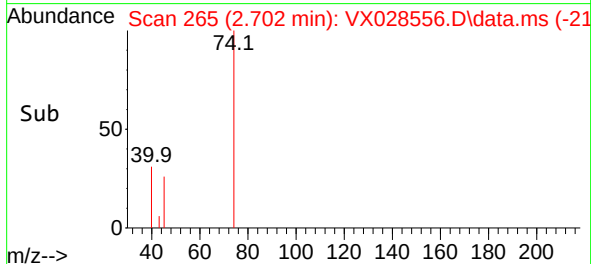
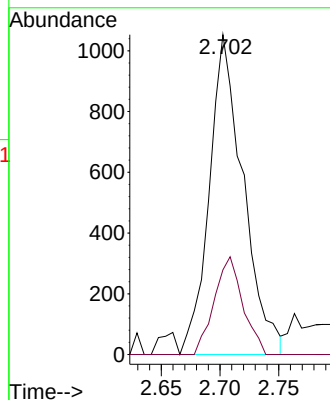
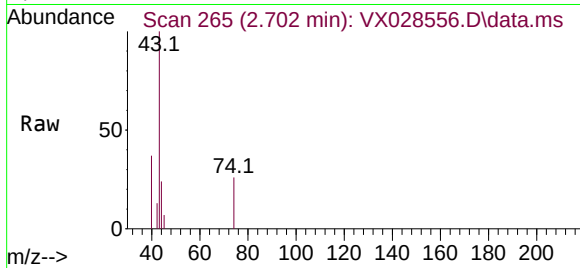




#18
Methyl Acetate
Concen: 0.493 ug/l
RT: 2.702 min Scan# 2115
Delta R.T. -0.001 min
Lab File: VX028556.D
Acq: 06 May 2022 17:42

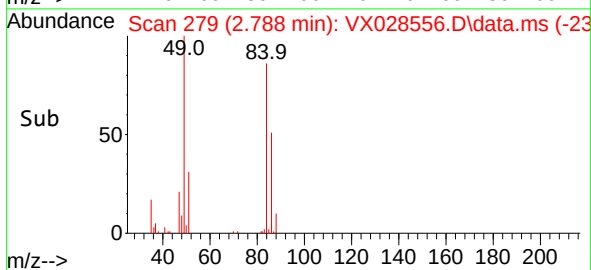
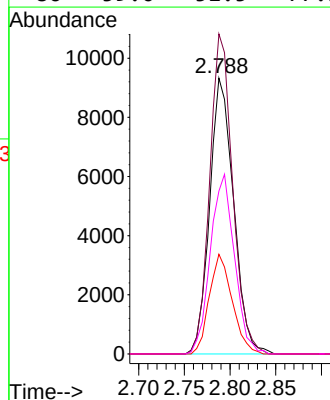
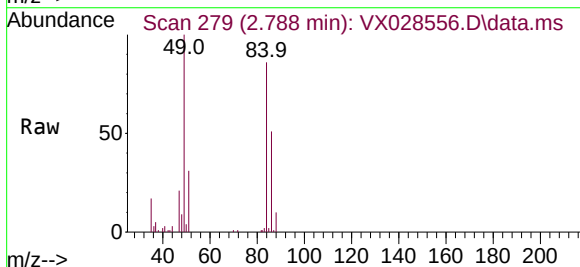
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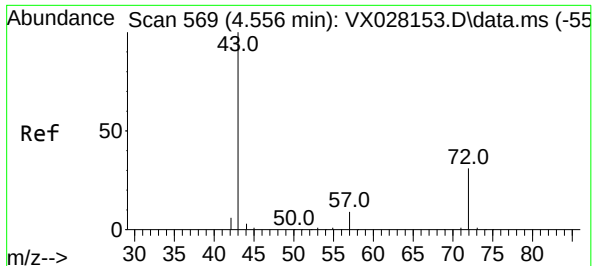
Tgt Ion: 43 Resp: 2115
Ion Ratio Lower Upper
43 100
74 25.8 22.8 34.2



#20
Methylene Chloride
Concen: 4.765 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX028556.D
Acq: 06 May 2022 17:42

Tgt Ion: 84 Resp: 17041
Ion Ratio Lower Upper
84 100
49 116.0 85.5 128.3
51 36.1 26.6 39.8
86 59.0 51.5 77.3





#25

2-Butanone

Concen: 0.868 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX028556.D

Acq: 06 May 2022 17:42

Instrument :

MSVOA_X

ClientSampleId :

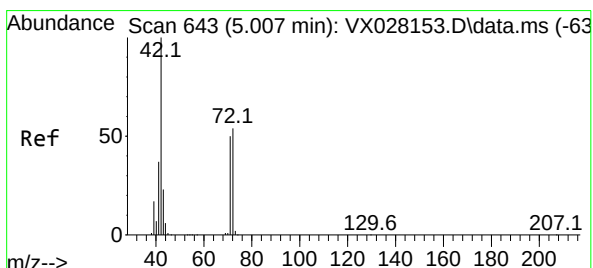
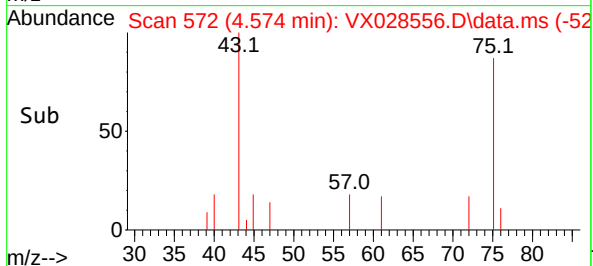
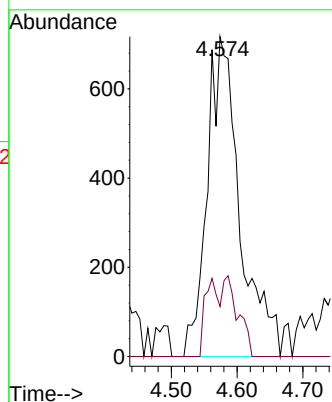
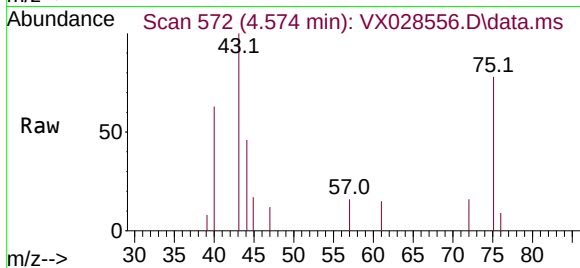
MH-29D

Tgt Ion: 43 Resp: 2477

Ion Ratio Lower Upper

43 100

72 15.6 24.4 36.6#



#29

Tetrahydrofuran

Concen: 0.326 ug/l

RT: 5.031 min Scan# 647

Delta R.T. 0.024 min

Lab File: VX028556.D

Acq: 06 May 2022 17:42

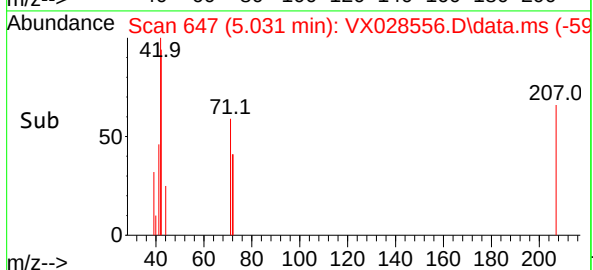
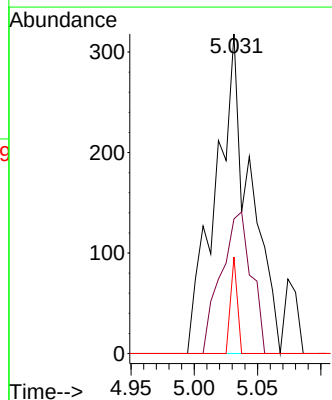
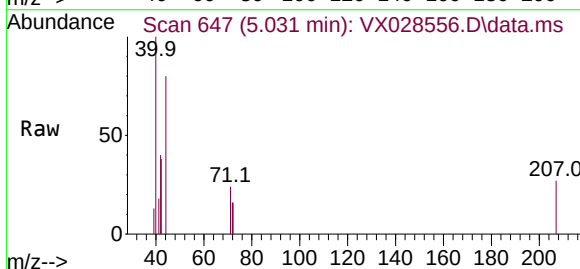
Tgt Ion: 42 Resp: 607

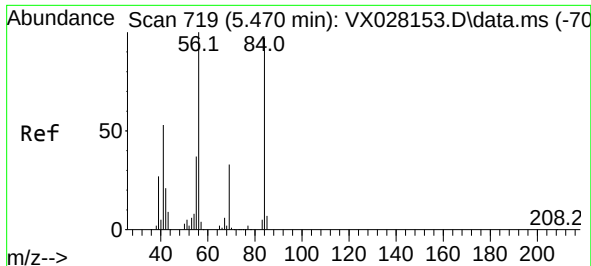
Ion Ratio Lower Upper

42 100

72 38.6 44.1 66.1#

71 5.8 40.5 60.7#

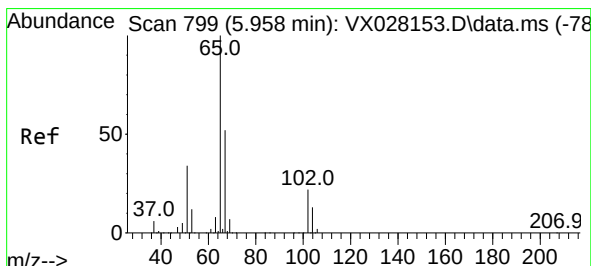
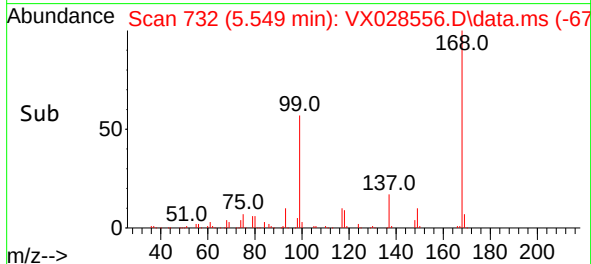
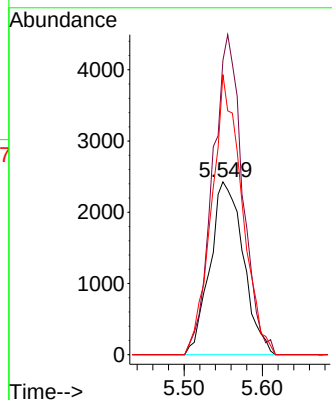
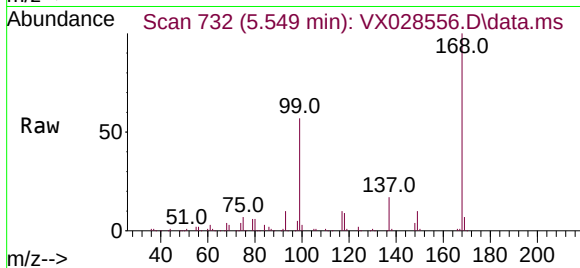




#31
Cyclohexane
Concen: 1.220 ug/l
RT: 5.549 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX028556.D
Acq: 06 May 2022 17:42

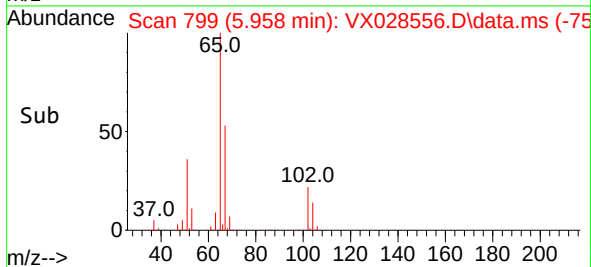
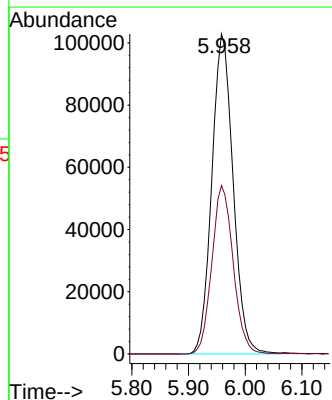
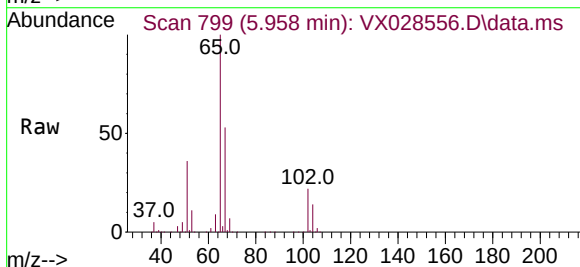
Instrument :
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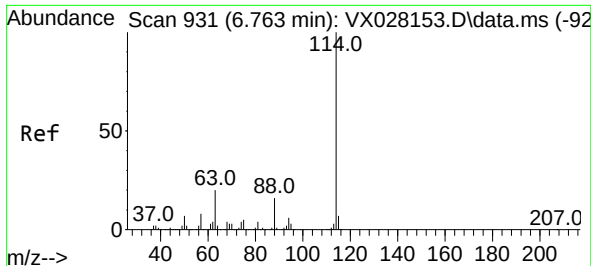
Tgt Ion: 56 Resp: 7166
Ion Ratio Lower Upper
56 100
69 170.2 26.7 40.1#
84 162.1 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 55.752 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX028556.D
Acq: 06 May 2022 17:42

Tgt Ion: 65 Resp: 268741
Ion Ratio Lower Upper
65 100
67 52.7 0.0 107.4

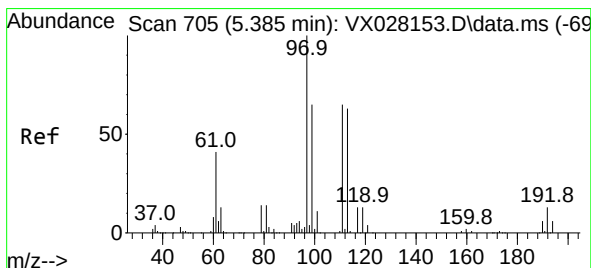
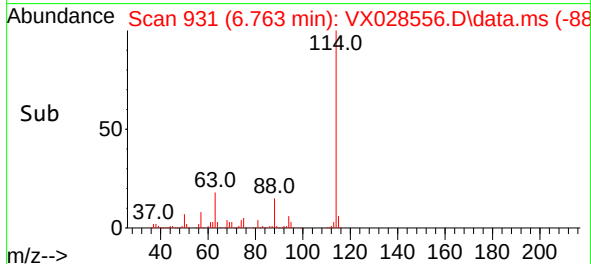
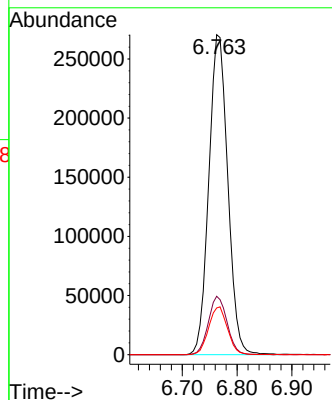
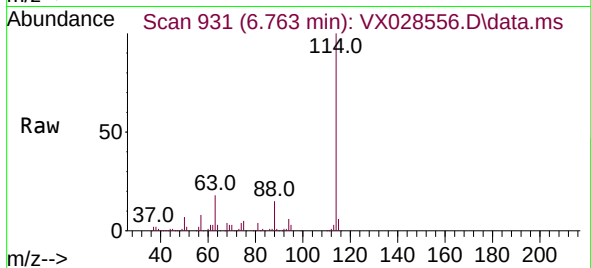




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028556.D
Acq: 06 May 2022 17:42

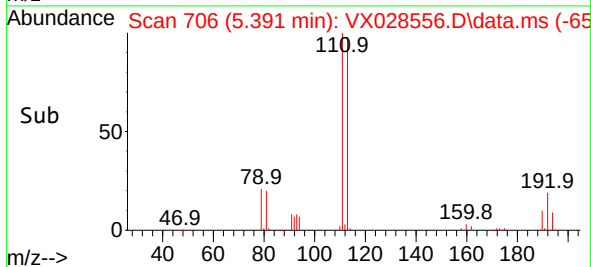
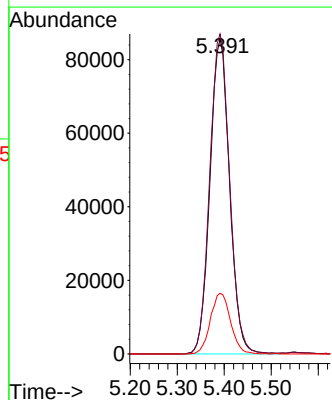
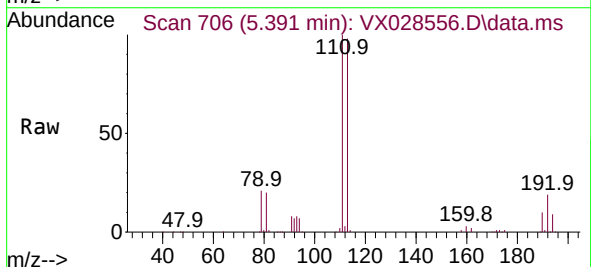
Instrument :
MSVOA_X
ClientSampleId :
MH-29D

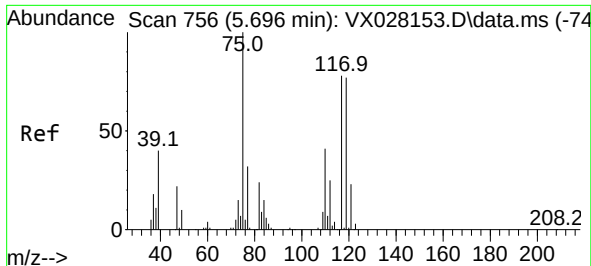
Tgt Ion:114 Resp: 648333
Ion Ratio Lower Upper
114 100
63 18.2 0.0 36.8
88 14.6 0.0 32.4



#35
Dibromofluoromethane
Concen: 54.635 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028556.D
Acq: 06 May 2022 17:42

Tgt Ion:113 Resp: 248410
Ion Ratio Lower Upper
113 100
111 102.8 82.8 124.2
192 19.8 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.551 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX028556.D

Acq: 06 May 2022 17:42

Instrument :

MSVOA_X

ClientSampleId :

MH-29D

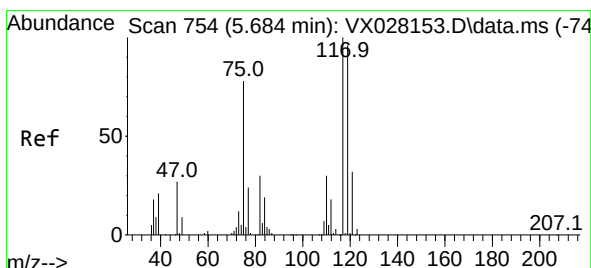
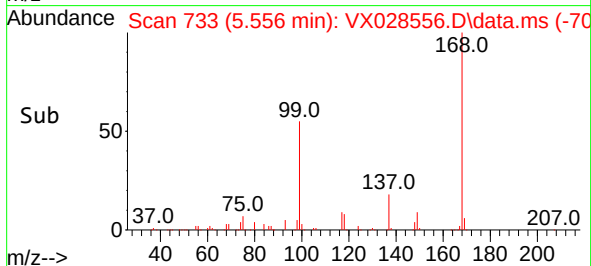
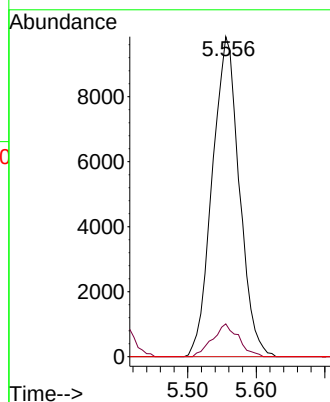
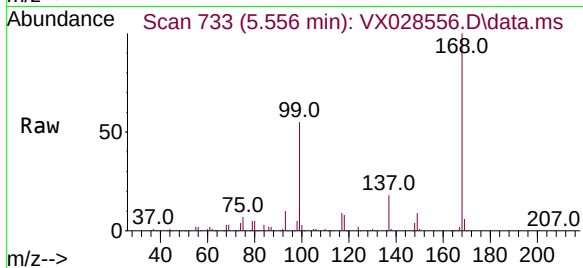
Tgt Ion: 75 Resp: 26993

Ion Ratio Lower Upper

75 100

110 9.9 18.3 54.8#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.426 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.128 min

Lab File: VX028556.D

Acq: 06 May 2022 17:42

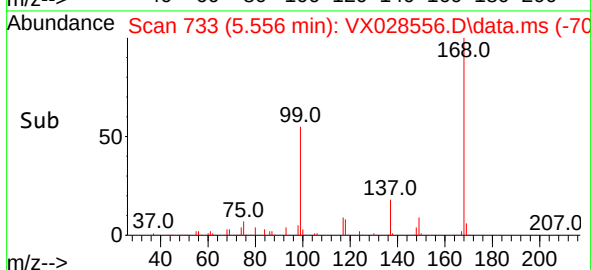
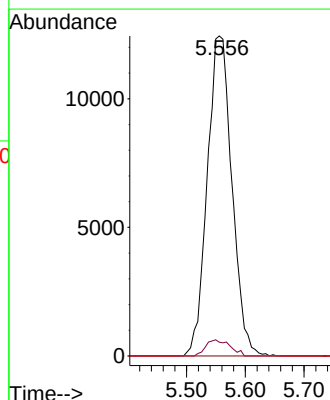
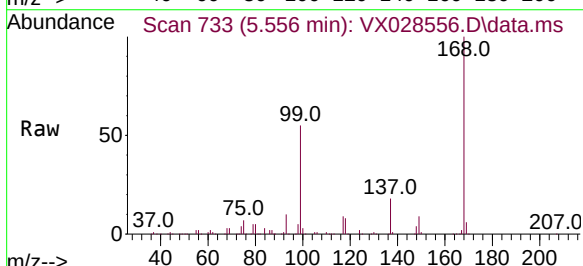
Tgt Ion: 117 Resp: 36328

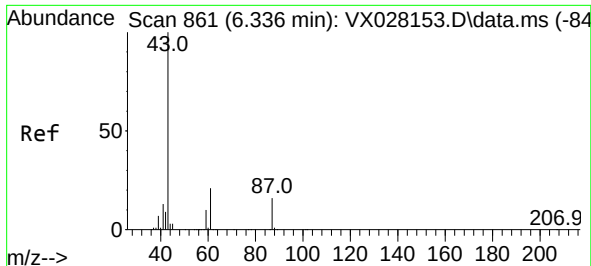
Ion Ratio Lower Upper

117 100

119 4.3 77.3 115.9#

121 0.0 24.2 36.2#

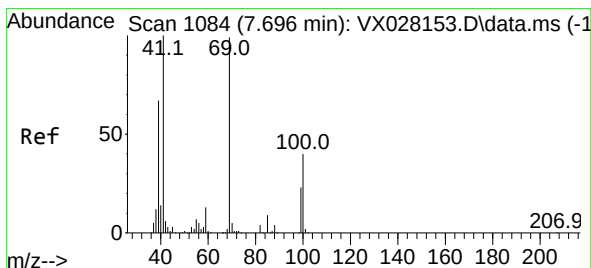
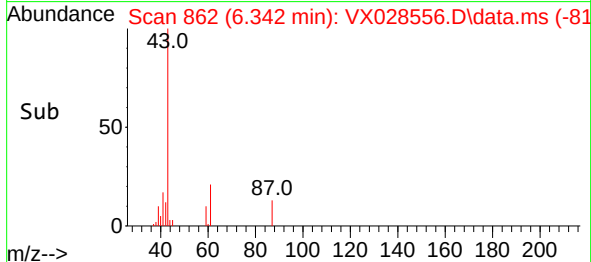
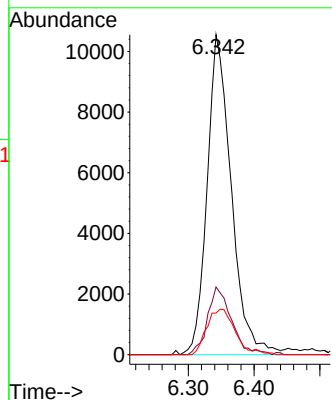
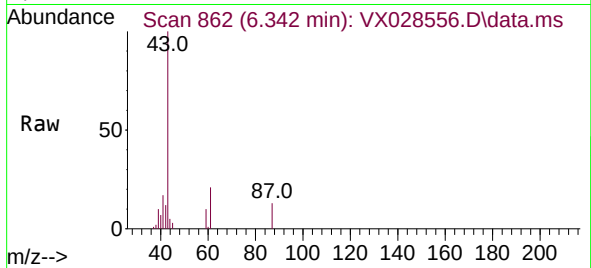




#43
Isopropyl Acetate
Concen: 2.751 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX028556.D
Acq: 06 May 2022 17:42

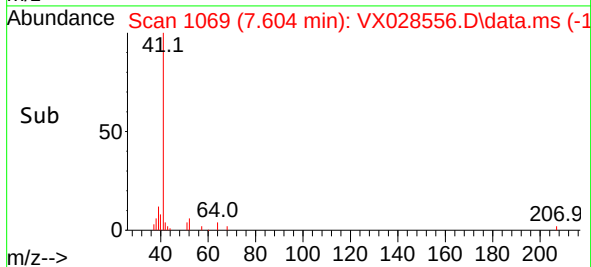
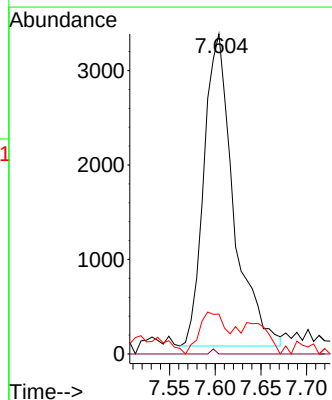
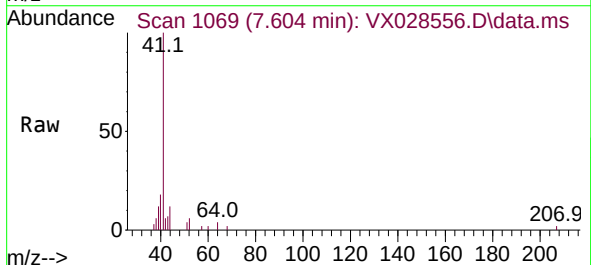
Instrument :
MSVOA_X
ClientSampleId :
MH-29D

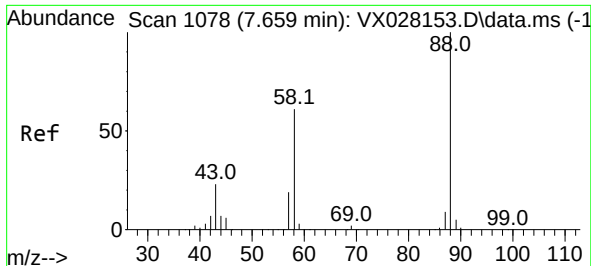
Tgt Ion: 43 Resp: 26942
Ion Ratio Lower Upper
43 100
61 20.9 18.5 27.7
87 16.7 13.0 19.6



#48
Methyl methacrylate
Concen: 1.646 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX028556.D
Acq: 06 May 2022 17:42

Tgt Ion: 41 Resp: 7403
Ion Ratio Lower Upper
41 100
69 0.3 82.5 123.7#
39 0.0 43.8 65.8#





#49

1,4-Dioxane

Concen: 3.425 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.140 min

Lab File: VX028556.D

Acq: 06 May 2022 17:42

Instrument :

MSVOA_X

ClientSampleId :

MH-29D

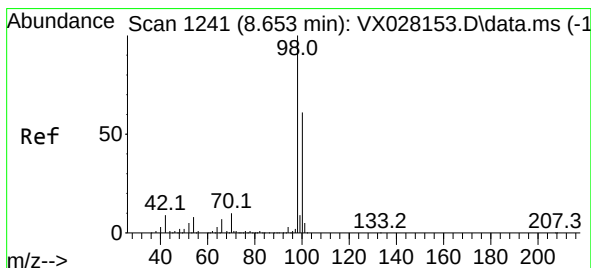
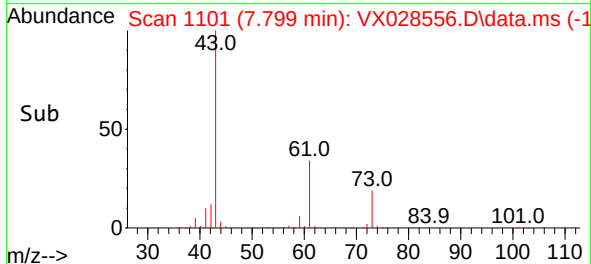
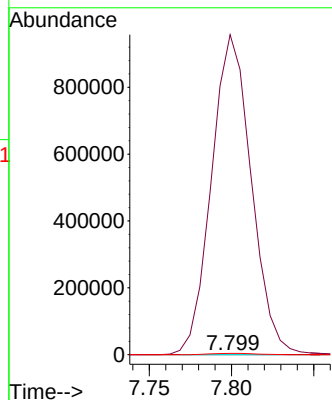
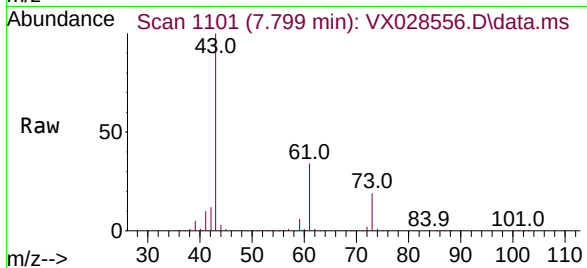
Tgt Ion: 88 Resp: 412

Ion Ratio Lower Upper

88 100

43 394102.4 21.9 32.9#

58 1898.8 53.7 80.5#



#50

Toluene-d8

Concen: 52.144 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX028556.D

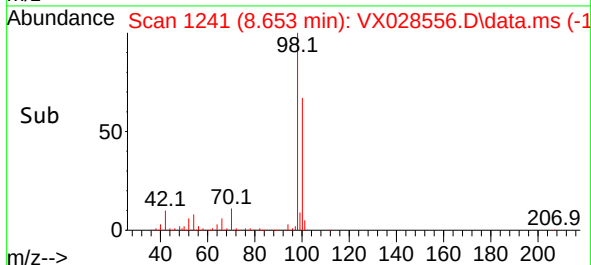
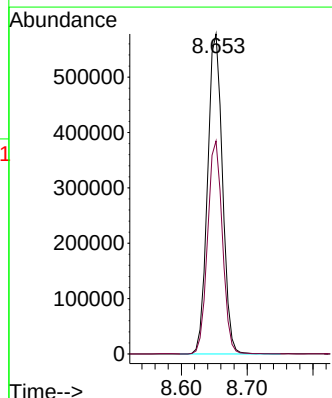
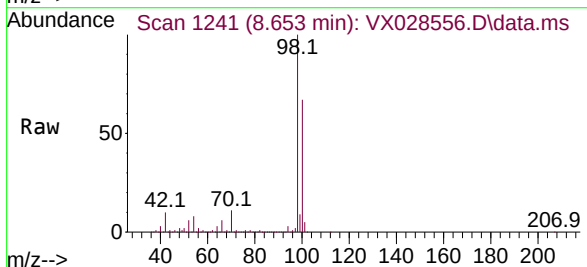
Acq: 06 May 2022 17:42

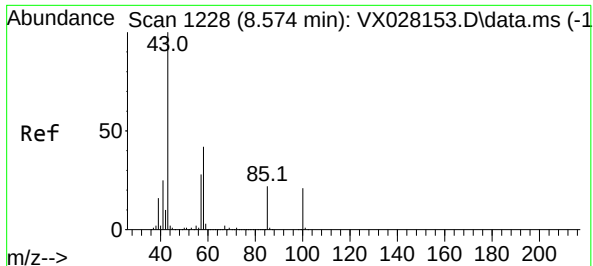
Tgt Ion: 98 Resp: 910591

Ion Ratio Lower Upper

98 100

100 66.1 52.6 78.8

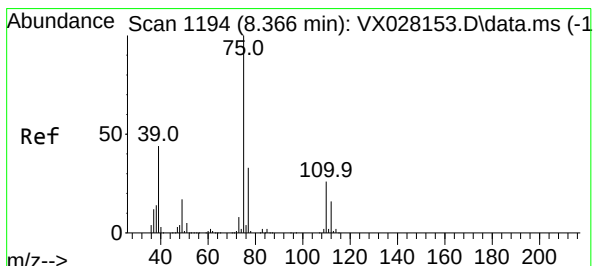
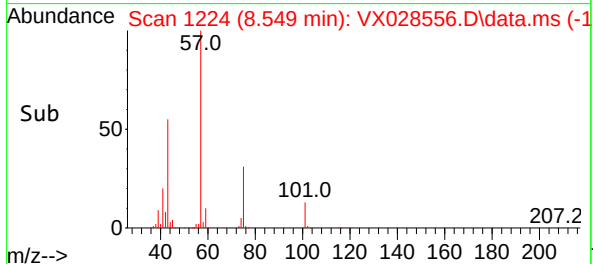
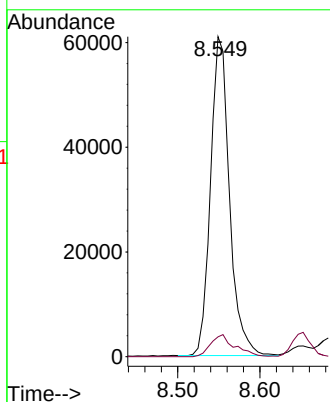
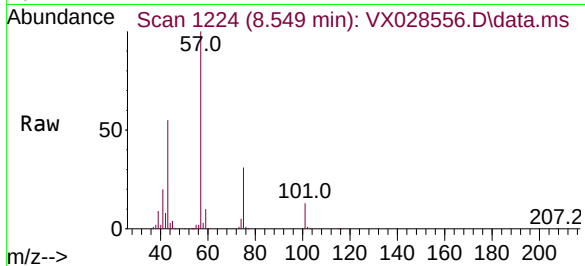




#51
4-Methyl-2-Pentanone
Concen: 15.537 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. -0.025 min
Lab File: VX028556.D
Acq: 06 May 2022 17:42

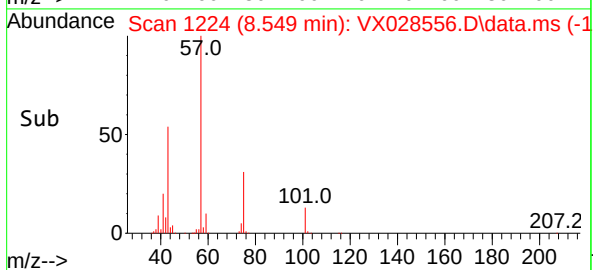
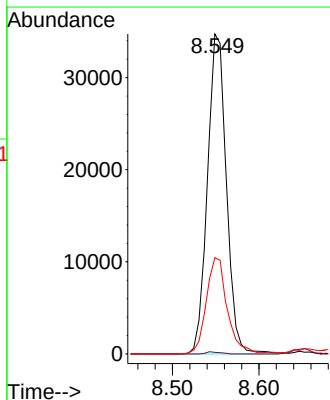
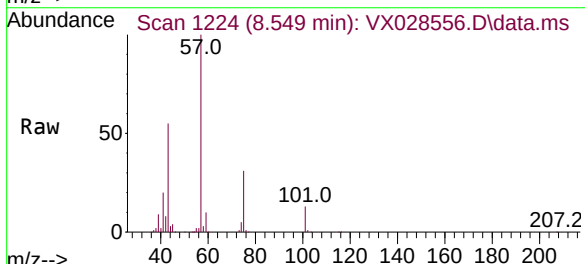
Instrument :
MSVOA_X
ClientSampleId :
MH-29D

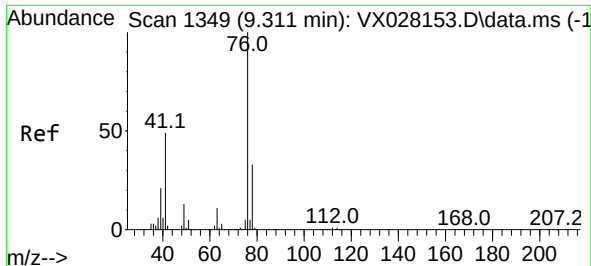
Tgt Ion: 43 Resp: 97650
Ion Ratio Lower Upper
43 100
58 8.8 36.1 54.1#



#54
cis-1,3-Dichloropropene
Concen: 7.222 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX028556.D
Acq: 06 May 2022 17:42

Tgt Ion: 75 Resp: 52807
Ion Ratio Lower Upper
75 100
77 0.5 24.8 37.2#
39 30.1 29.6 44.4





#57

1,3-Dichloropropane

Concen: 4.351 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX028556.D

Acq: 06 May 2022 17:42

Instrument :

MSVOA_X

ClientSampleId :

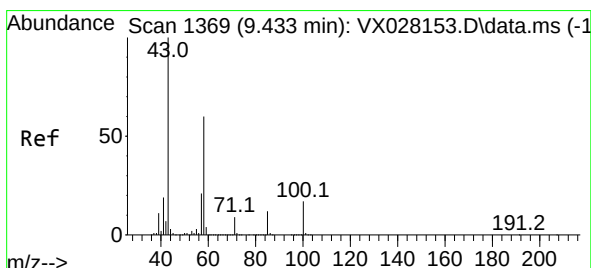
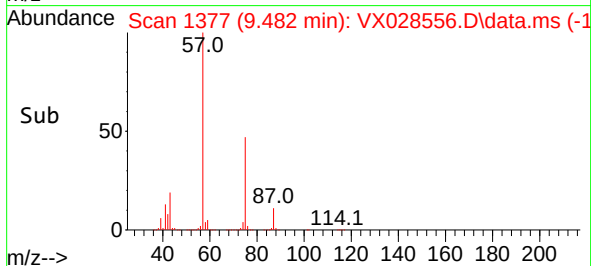
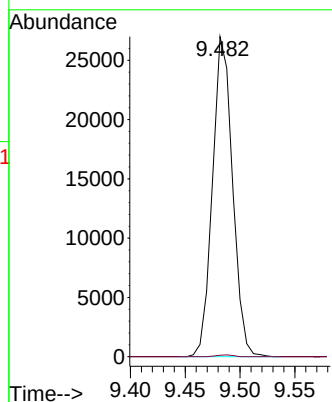
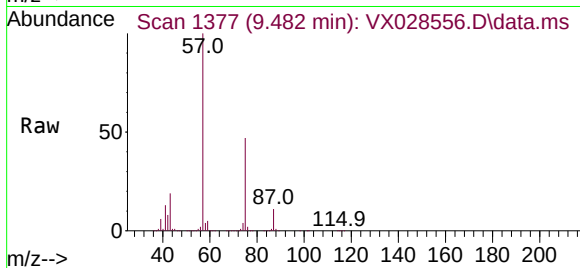
MH-29D

Tgt Ion: 76 Resp: 34412

Ion Ratio Lower Upper

76 100

78 0.5 25.8 38.8#



#59

2-Hexanone

Concen: 81.127 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX028556.D

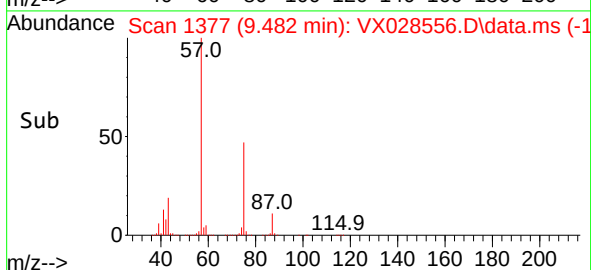
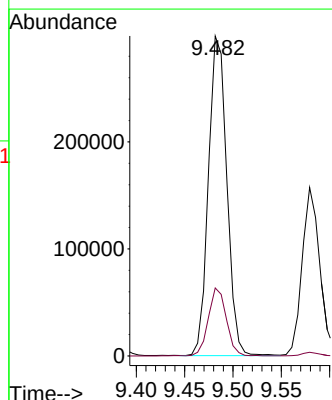
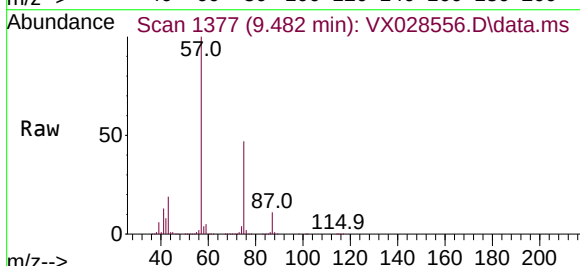
Acq: 06 May 2022 17:42

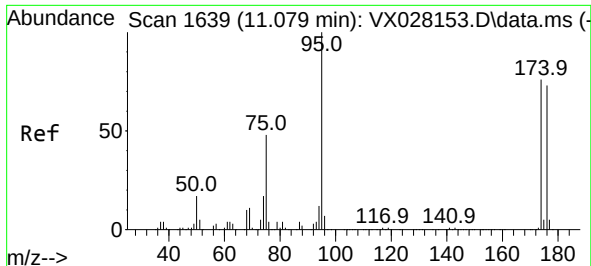
Tgt Ion: 43 Resp: 394966

Ion Ratio Lower Upper

43 100

58 20.9 31.9 95.7#





#62

4-Bromofluorobenzene

Concen: 49.770 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX028556.D

Acq: 06 May 2022 17:42

Instrument :

MSVOA_X

ClientSampleId :

MH-29D

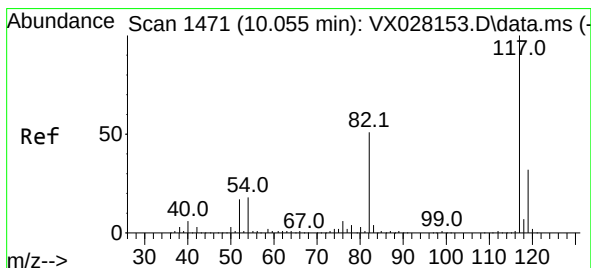
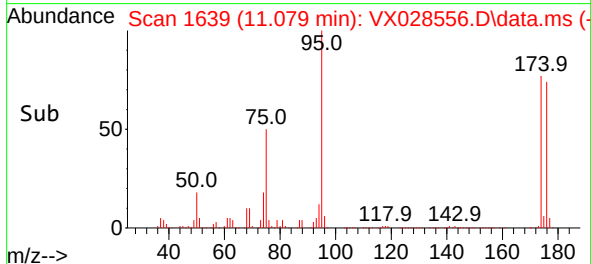
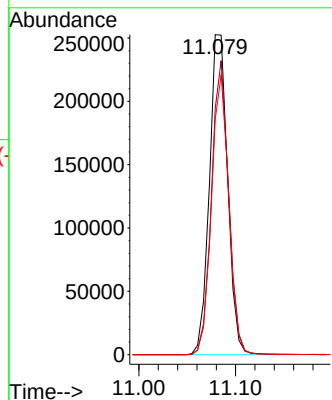
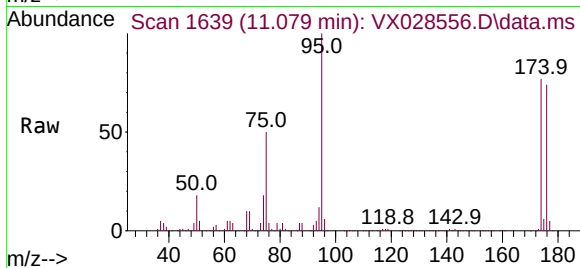
Tgt Ion: 95 Resp: 332323

Ion Ratio Lower Upper

95 100

174 86.1 0.0 163.0

176 83.1 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: VX028556.D

Acq: 06 May 2022 17:42

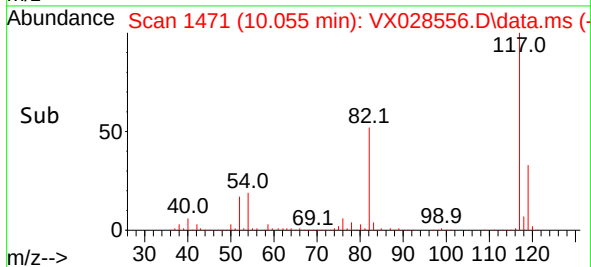
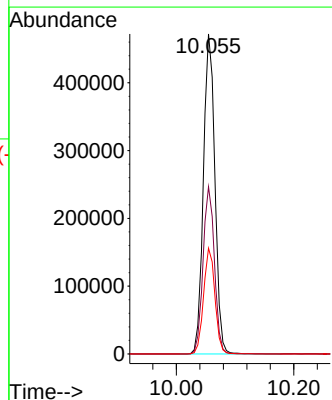
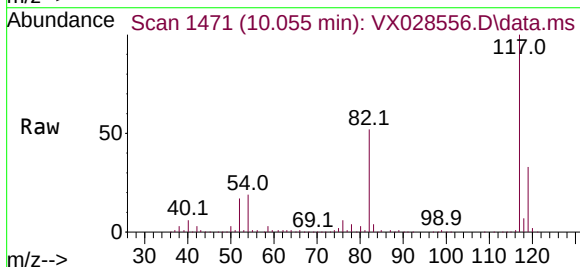
Tgt Ion: 117 Resp: 642495

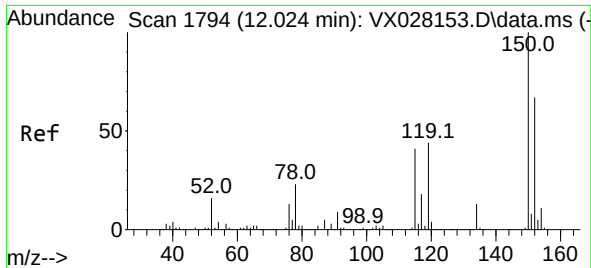
Ion Ratio Lower Upper

117 100

82 52.2 41.8 62.8

119 33.1 24.8 37.2

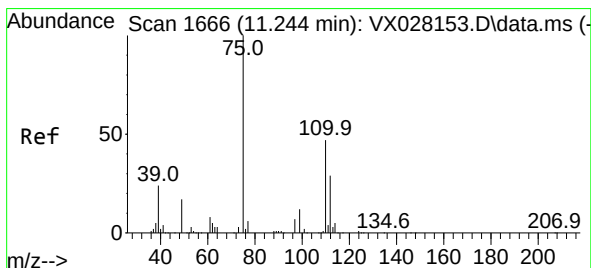
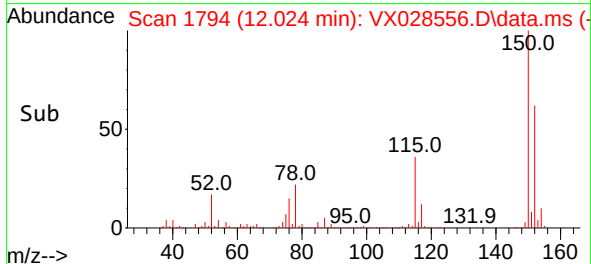
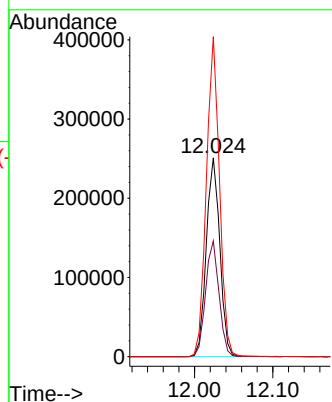
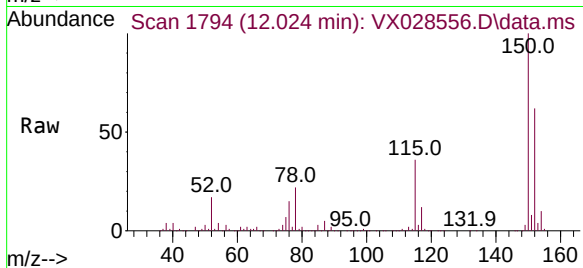




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028556.D
Acq: 06 May 2022 17:42

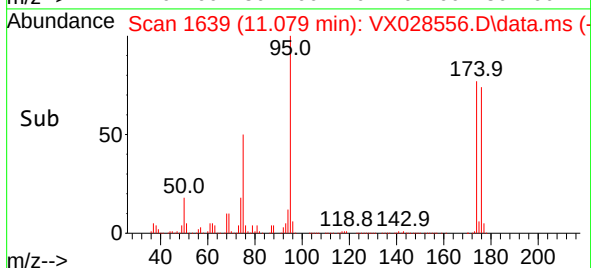
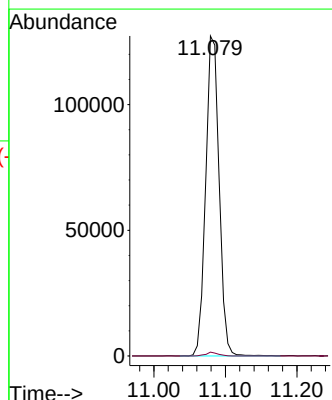
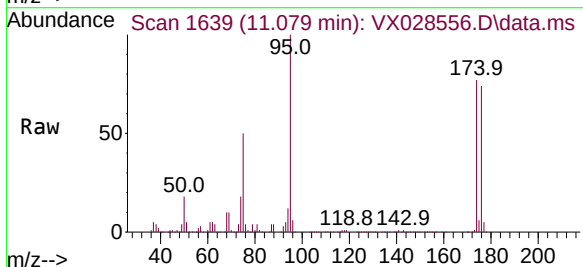
Instrument :
MSVOA_X
ClientSampleId :
MH-29D

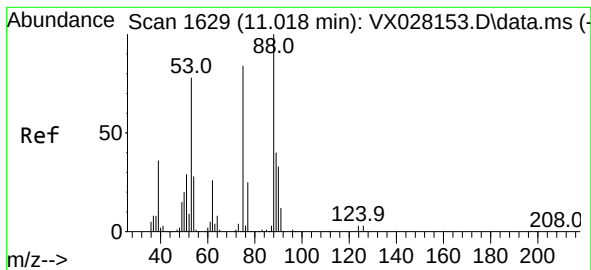
Tgt Ion:152 Resp: 300469
Ion Ratio Lower Upper
152 100
115 57.9 37.5 112.7
150 156.0 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 28.142 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028556.D
Acq: 06 May 2022 17:42

Tgt Ion: 75 Resp: 166416
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.631 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX028556.D
 Acq: 06 May 2022 17:42

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-29D

Tgt Ion: 75 Resp: 166416
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

