

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030922\
 Data File : VX027356.D
 Acq On : 09 Mar 2022 17:50
 Operator : JC/MD
 Sample : N1800-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 10 00:35:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X030822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 15:54:34 2022
 Response via : Initial Calibration

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

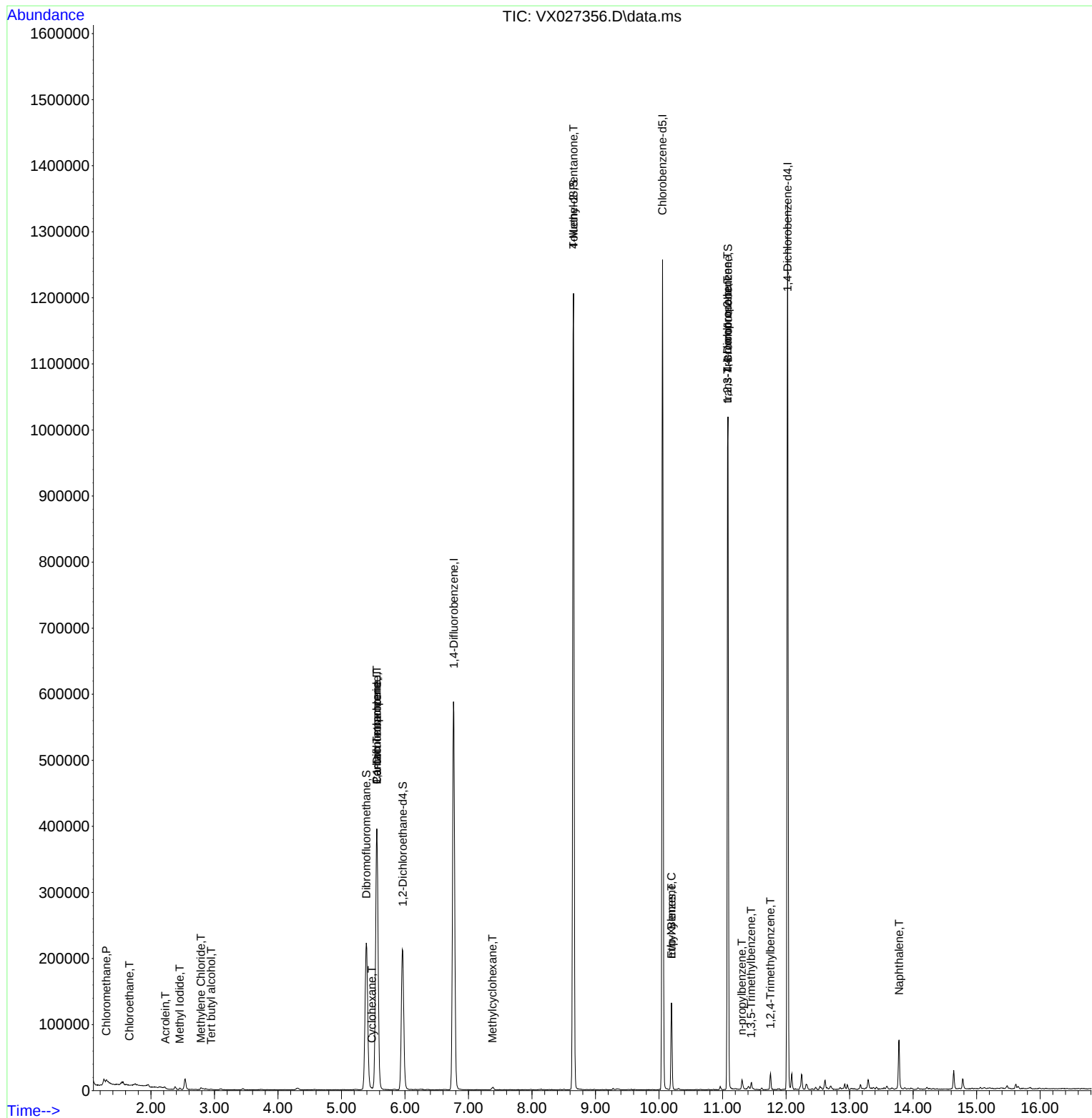
Internal Standards						
1) Pentafluorobenzene	5.556	168	400402	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	651612	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	605718	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	287365	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	205539	44.019	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	88.040%		
35) Dibromofluoromethane	5.391	113	202120	48.071	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.140%		
50) Toluene-d8	8.653	98	763098	48.074	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.140%		
62) 4-Bromofluorobenzene	11.085	95	284821	47.079	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	94.160%		
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	980	0.227	ug/l #	87
5) Bromomethane	1.611	94	715	Below Cal	#	52
6) Chloroethane	1.660	64	1033	0.811	ug/l #	48
10) Methyl Iodide	2.452	142	1885	0.331	ug/l	98
11) Tert butyl alcohol	2.946	59	491	0.536	ug/l #	72
13) Acrolein	2.227	56	203	0.316	ug/l #	1
16) Acetone	2.379	43	4419	Below Cal		97
20) Methylene Chloride	2.788	84	1352	0.296	ug/l #	64
31) Cyclohexane	5.476	56	1559	0.239	ug/l #	68
36) 1,1-Dichloropropene	5.556	75	25850	4.428	ug/l #	50
38) Carbon Tetrachloride	5.556	117	38249	6.336	ug/l #	16
39) Methylcyclohexane	7.378	83	1961	0.266	ug/l #	87
51) 4-Methyl-2-Pentanone	8.653	43	2493	0.401	ug/l #	1
67) Ethyl Benzene	10.195	91	77085	3.508	ug/l	98
68) m/p-Xylenes	10.195	106	24862	2.884	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	130394	20.682	ug/l #	39
78) n-propylbenzene	11.305	91	8557	0.362	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	4926	0.273	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.079	75	130394	66.886	ug/l #	15
84) 1,2,4-Trimethylbenzene	11.756	105	11187	0.626	ug/l	98
95) Naphthalene	13.780	128	55728	2.574	ug/l	100

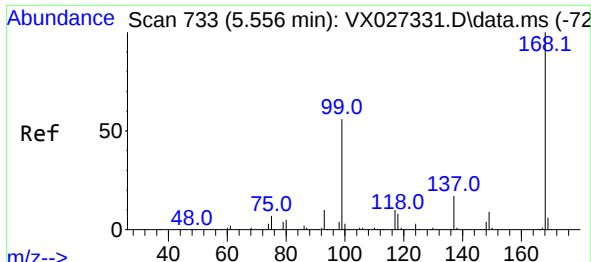
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

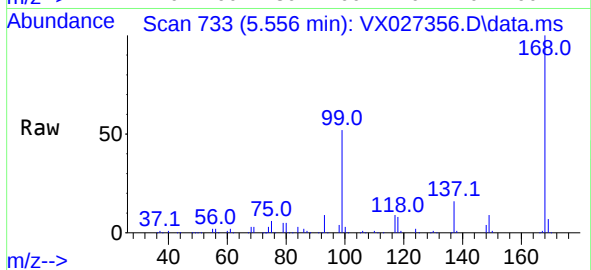
Quant Time: Mar 10 00:35:43 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X030822W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 08 15:54:34 2022
Response via : Initial Calibration



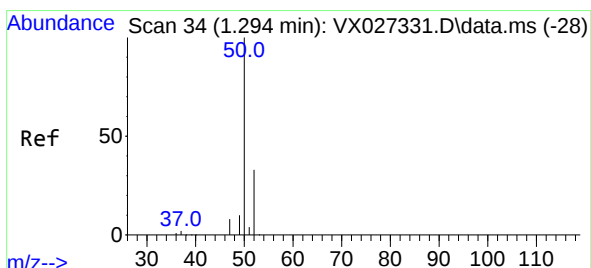
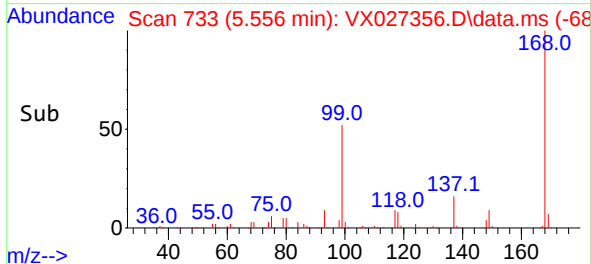
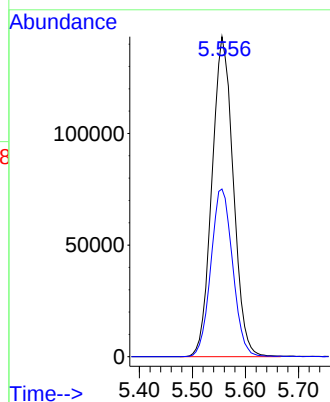


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027356.D
Acq: 09 Mar 2022 17:50

Instrument :
MSVOA_X
ClientSampleId :

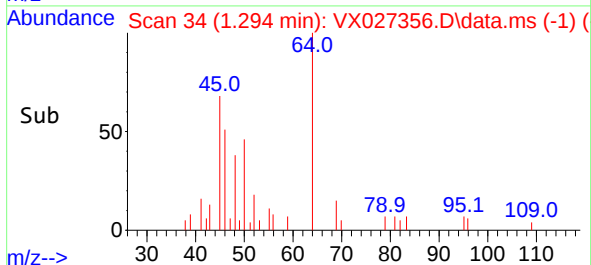
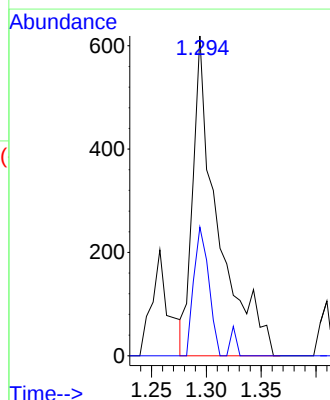
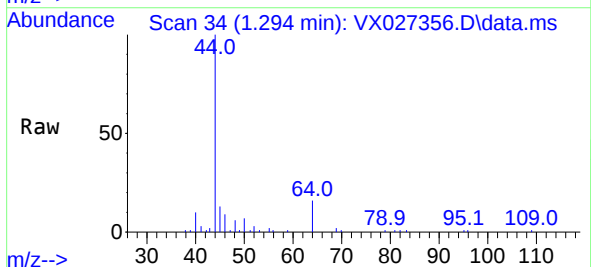


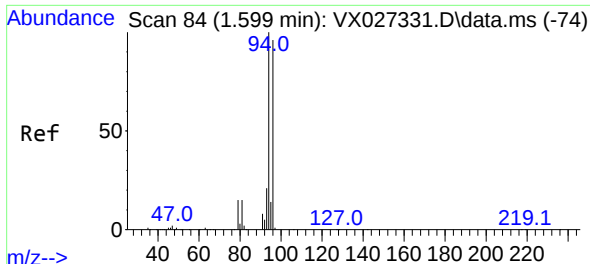
Tgt Ion:168 Resp: 400402
Ion Ratio Lower Upper
168 100
99 52.4 41.7 62.5



#3
Chloromethane
Concen: 0.227 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX027356.D
Acq: 09 Mar 2022 17:50

Tgt Ion: 50 Resp: 980
Ion Ratio Lower Upper
50 100
52 40.2 26.4 39.6#

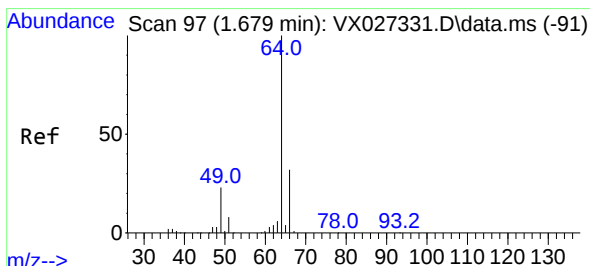
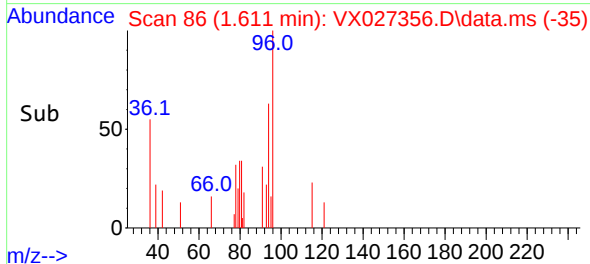
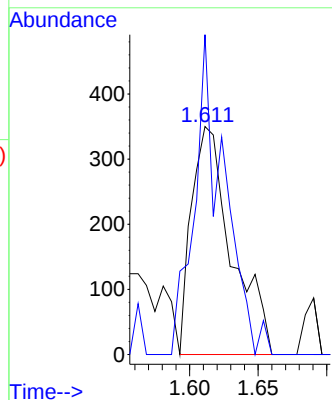
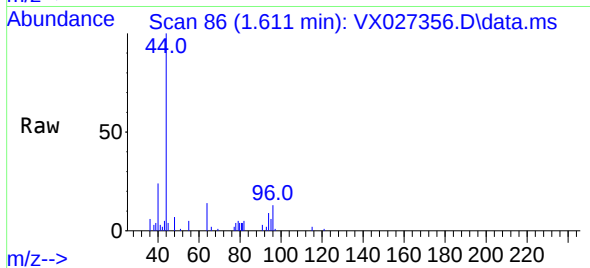




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX027356.D
Acq: 09 Mar 2022 17:50

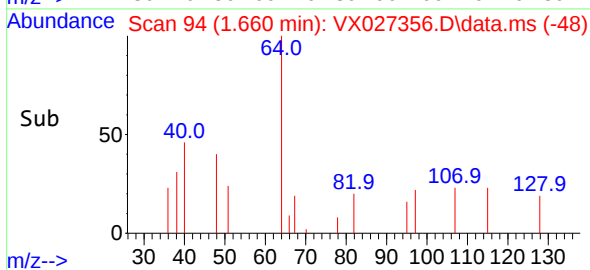
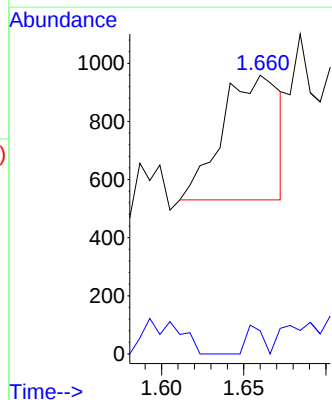
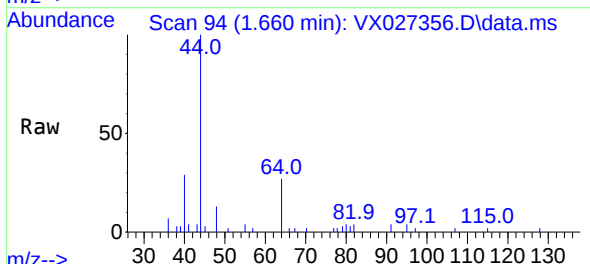
Instrument :
MSVOA_X
ClientSampleId :

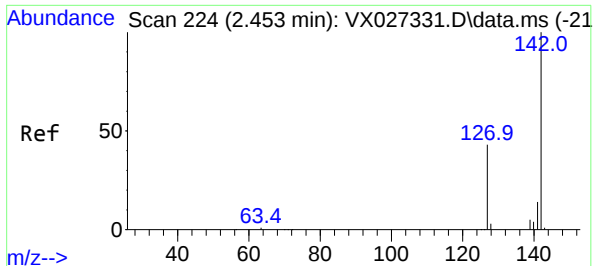
Tgt Ion: 94 Resp: 715
Ion Ratio Lower Upper
94 100
96 140.3 75.3 112.9#



#6
Chloroethane
Concen: 0.811 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.019 min
Lab File: VX027356.D
Acq: 09 Mar 2022 17:50

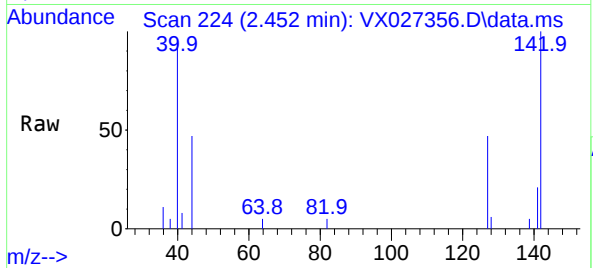
Tgt Ion: 64 Resp: 1033
Ion Ratio Lower Upper
64 100
66 3.0 25.3 37.9#



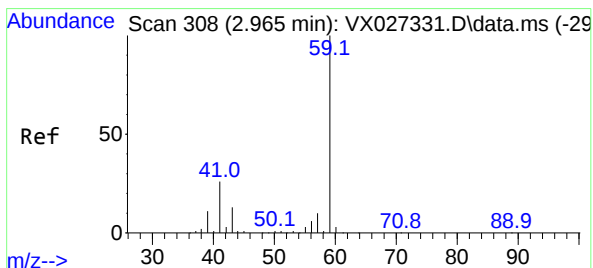
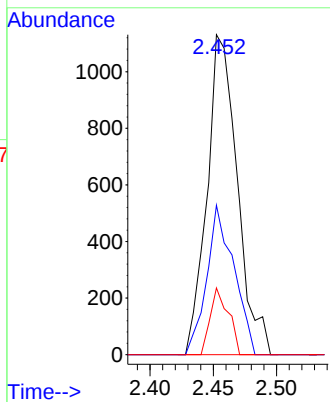
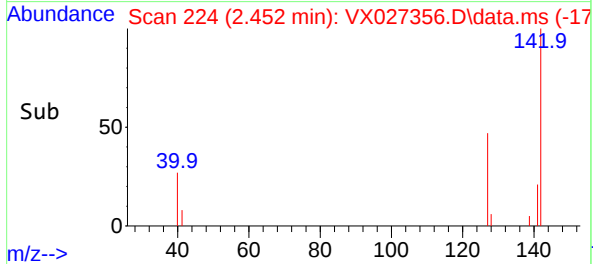


#10
Methyl Iodide
Concen: 0.331 ug/l
RT: 2.452 min Scan# 21
Delta R.T. -0.001 min
Lab File: VX027356.D
Acq: 09 Mar 2022 17:50

Instrument :
MSVOA_X
ClientSampleId :

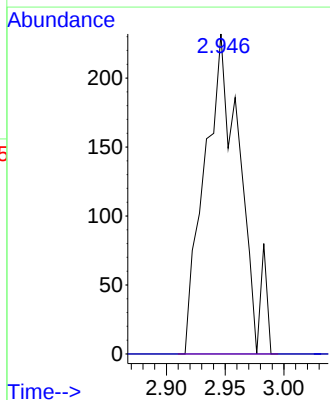
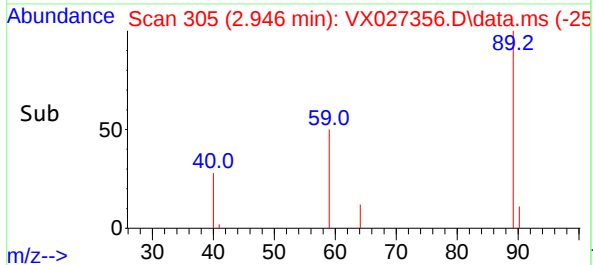
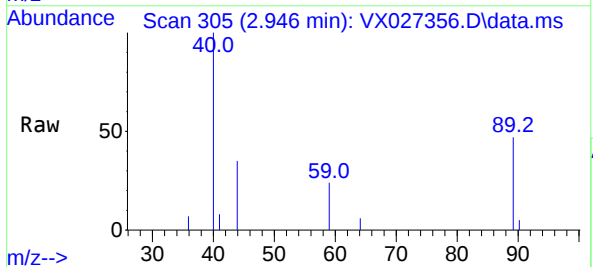


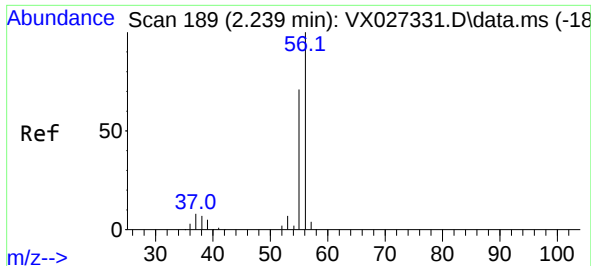
Tgt Ion:142 Resp: 1885
Ion Ratio Lower Upper
142 100
127 41.8 33.9 50.9
141 12.5 11.4 17.2



#11
Tert butyl alcohol
Concen: 0.536 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.019 min
Lab File: VX027356.D
Acq: 09 Mar 2022 17:50

Tgt Ion: 59 Resp: 491
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

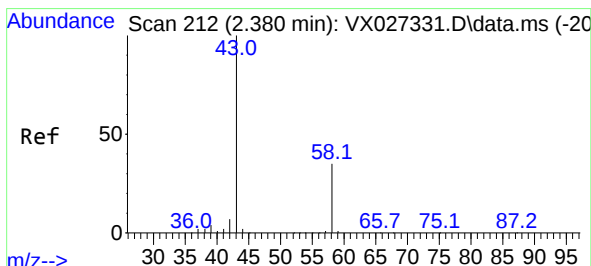
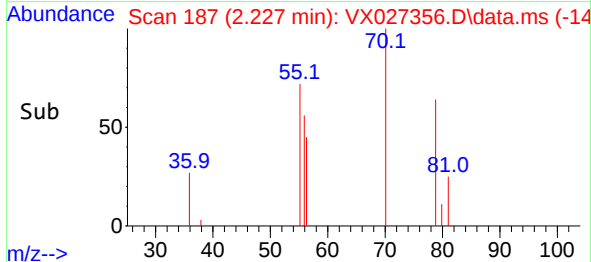
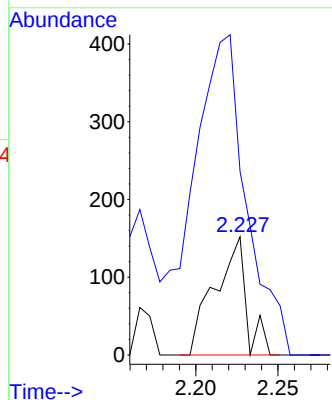
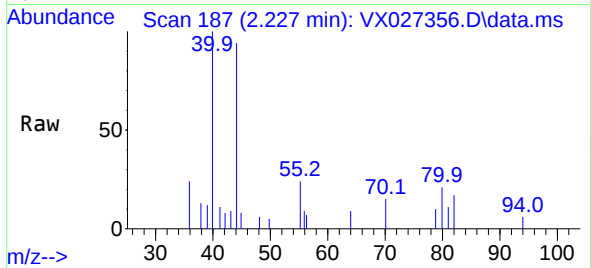




#13
Acrolein
Concen: 0.316 ug/l
RT: 2.227 min Scan# 11
Delta R.T. -0.012 min
Lab File: VX027356.D
Acq: 09 Mar 2022 17:50

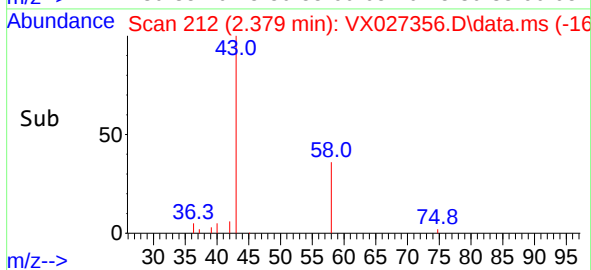
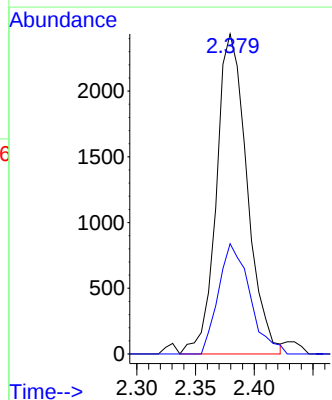
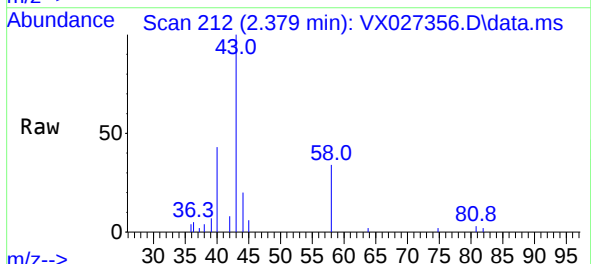
Instrument :
MSVOA_X
ClientSampleId :

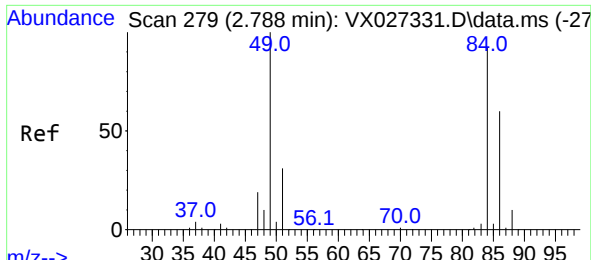
Tgt Ion: 56 Resp: 203
Ion Ratio Lower Upper
56 100
55 454.7 55.0 82.6#



#16
Acetone
Concen: Below Cal
RT: 2.379 min Scan# 212
Delta R.T. -0.001 min
Lab File: VX027356.D
Acq: 09 Mar 2022 17:50

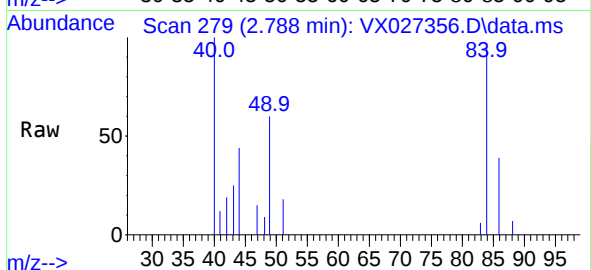
Tgt Ion: 43 Resp: 4419
Ion Ratio Lower Upper
43 100
58 34.5 28.8 43.2





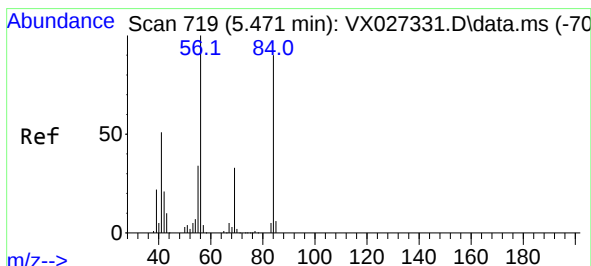
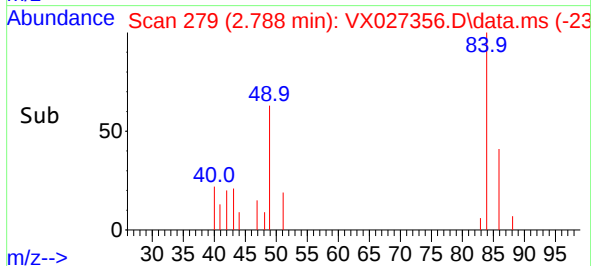
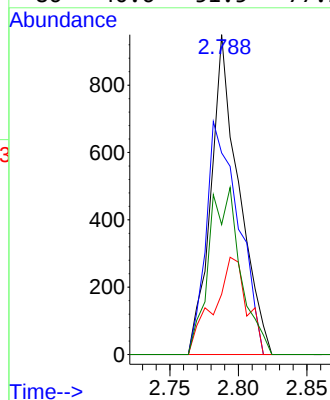
#20
Methylene Chloride
Concen: 0.296 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX027356.D
Acq: 09 Mar 2022 17:50

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 1352

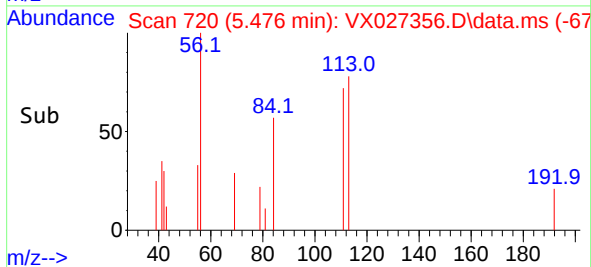
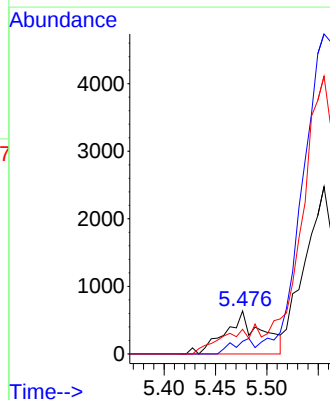
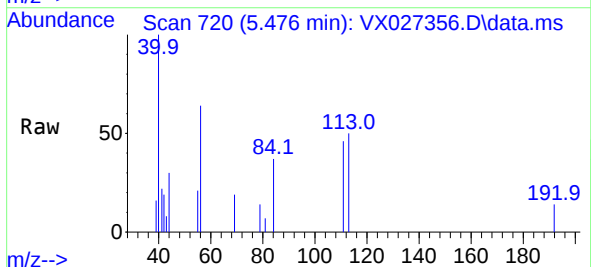
Ion	Ratio	Lower	Upper
84	100		
49	63.1	85.5	128.3#
51	18.8	26.6	39.8#
86	40.6	51.5	77.3#

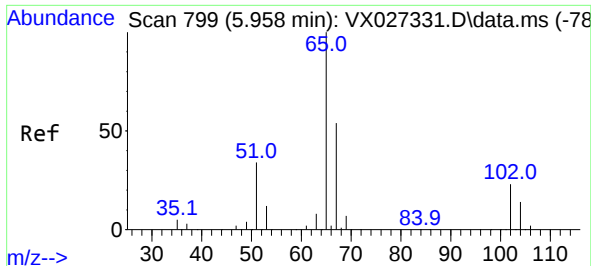


#31
Cyclohexane
Concen: 0.239 ug/l
RT: 5.476 min Scan# 720
Delta R.T. 0.005 min
Lab File: VX027356.D
Acq: 09 Mar 2022 17:50

Tgt Ion: 56 Resp: 1559

Ion	Ratio	Lower	Upper
56	100		
69	29.5	26.7	40.1
84	57.1	77.2	115.8#





#33

1,2-Dichloroethane-d4

Concen: 44.019 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX027356.D

Acq: 09 Mar 2022 17:50

Instrument :

MSVOA_X

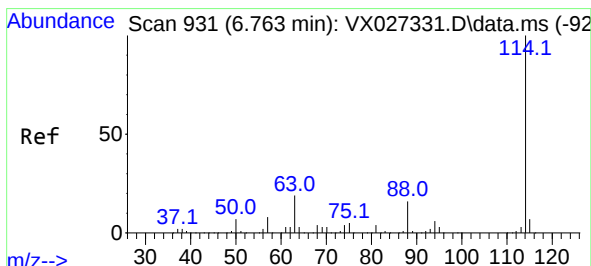
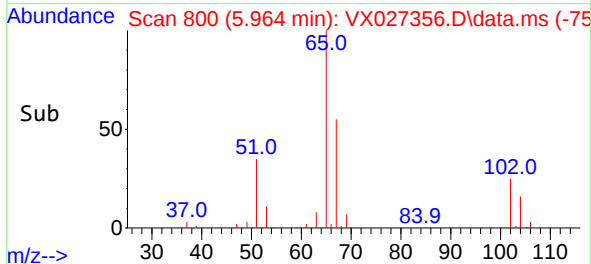
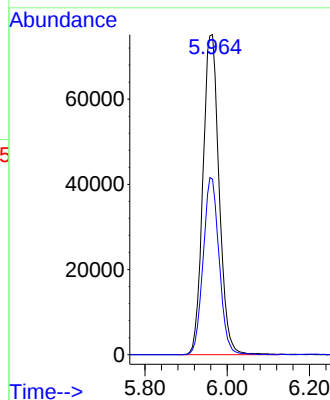
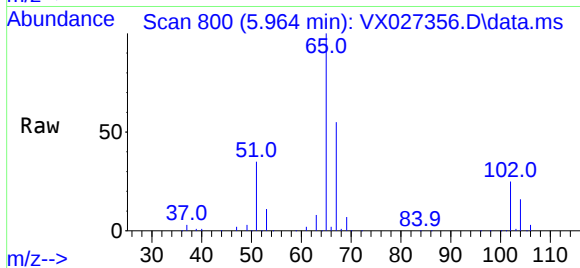
ClientSampleId :

Tgt Ion: 65 Resp: 205539

Ion Ratio Lower Upper

65 100

67 54.6 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX027356.D

Acq: 09 Mar 2022 17:50

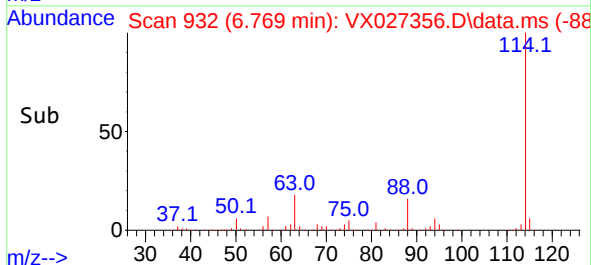
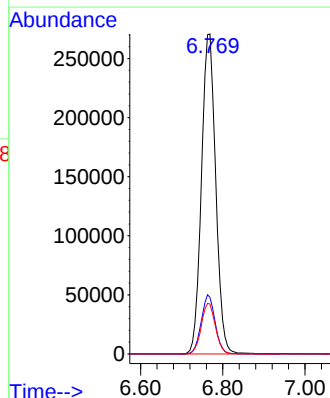
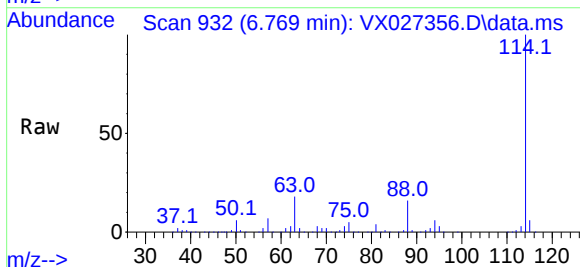
Tgt Ion: 114 Resp: 651612

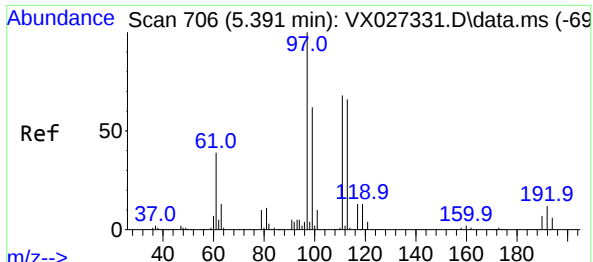
Ion Ratio Lower Upper

114 100

63 17.6 0.0 36.8

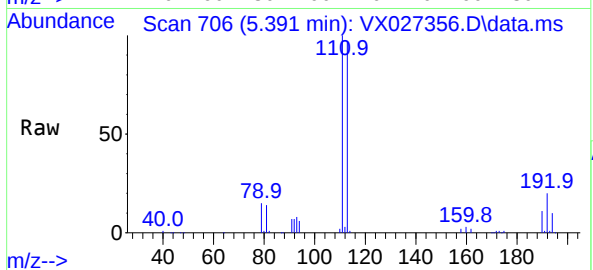
88 15.6 0.0 32.4



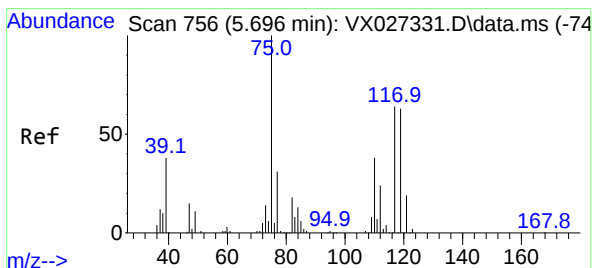
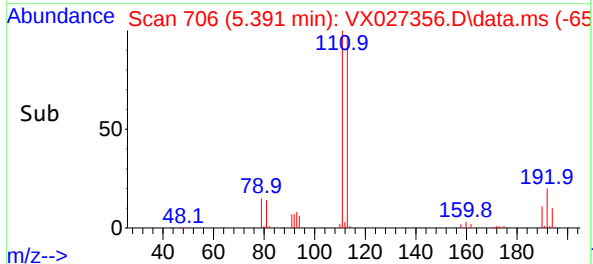
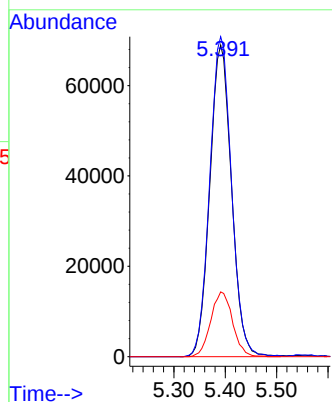


#35
Dibromofluoromethane
Concen: 48.071 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX027356.D
Acq: 09 Mar 2022 17:50

Instrument :
MSVOA_X
ClientSampleId :

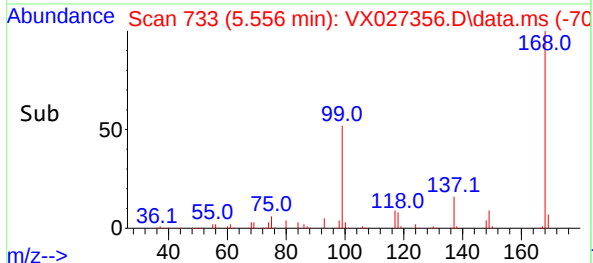
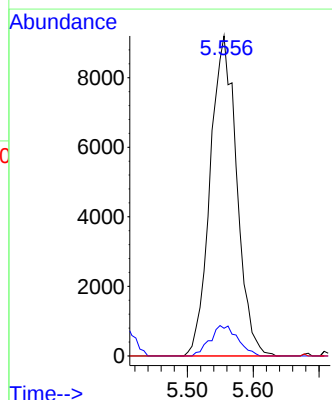
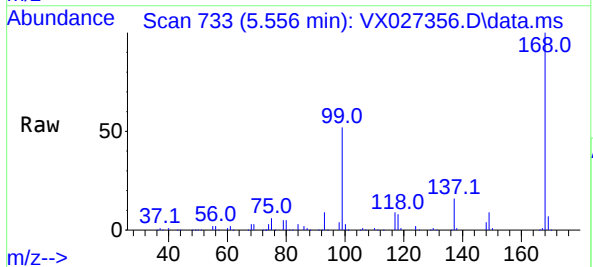


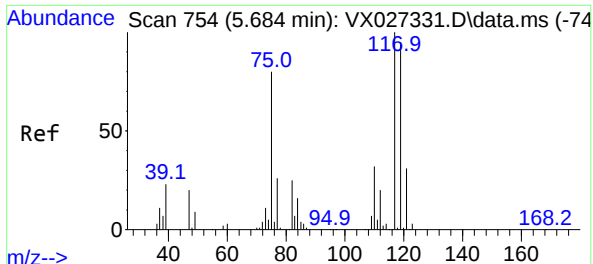
Tgt Ion:113 Resp: 202120
Ion Ratio Lower Upper
113 100
111 102.8 82.8 124.2
192 20.9 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.428 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX027356.D
Acq: 09 Mar 2022 17:50

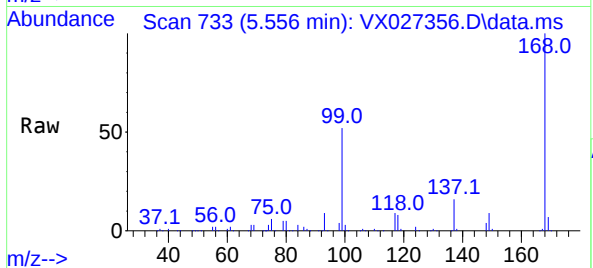
Tgt Ion: 75 Resp: 25850
Ion Ratio Lower Upper
75 100
110 9.9 18.3 54.8#
77 0.0 24.8 37.2#



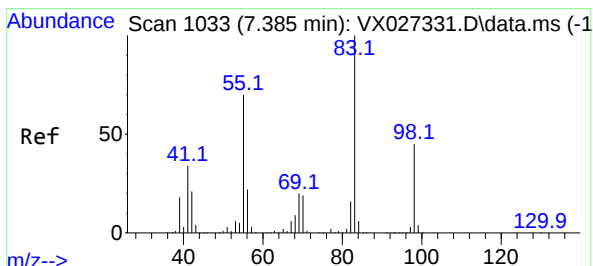
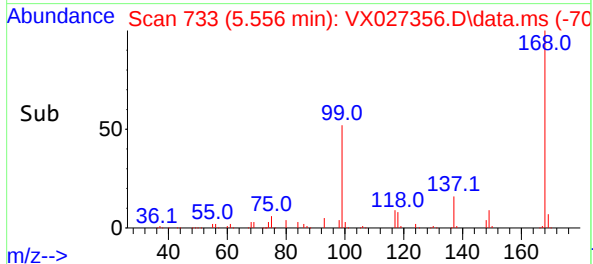
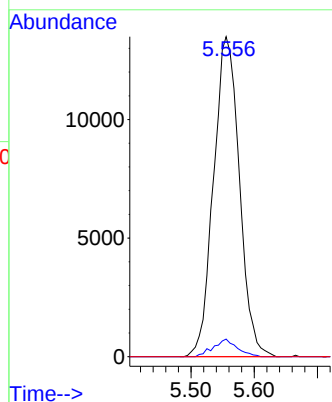


#38
Carbon Tetrachloride
Concen: 6.336 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX027356.D
Acq: 09 Mar 2022 17:50

Instrument :
MSVOA_X
ClientSampleId :

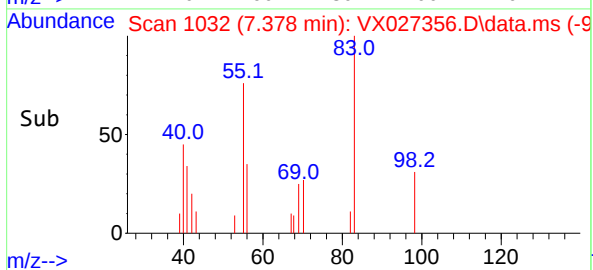
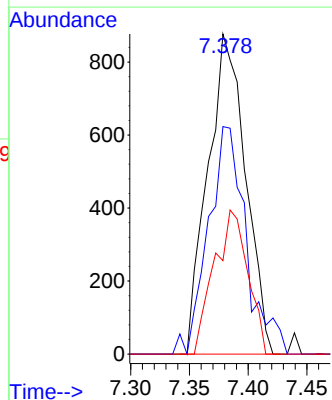
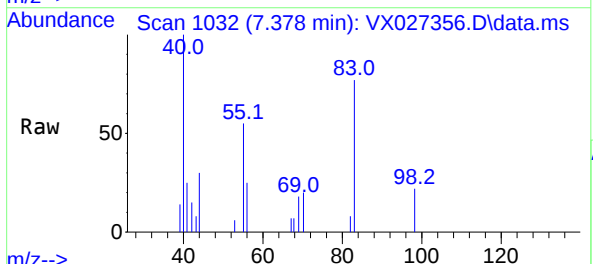


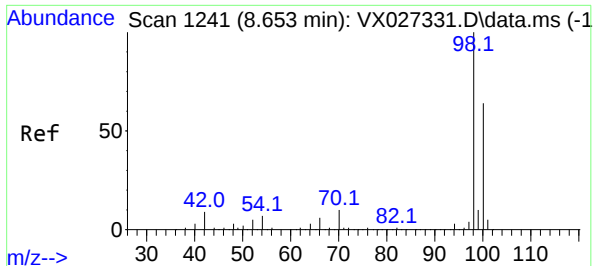
Tgt Ion:117 Resp: 38249
Ion Ratio Lower Upper
117 100
119 5.5 77.3 115.9#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 0.266 ug/l
RT: 7.378 min Scan# 1032
Delta R.T. -0.007 min
Lab File: VX027356.D
Acq: 09 Mar 2022 17:50

Tgt Ion: 83 Resp: 1961
Ion Ratio Lower Upper
83 100
55 64.8 54.6 81.8
98 29.2 37.4 56.2#





#50

Toluene-d8

Concen: 48.074 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX027356.D

Acq: 09 Mar 2022 17:50

Instrument :

MSVOA_X

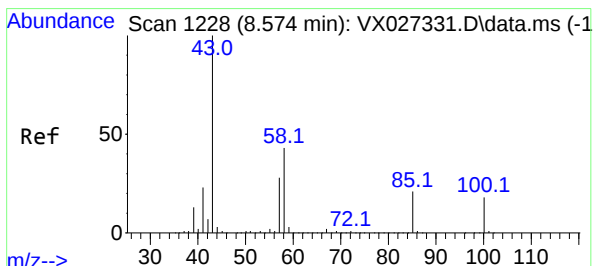
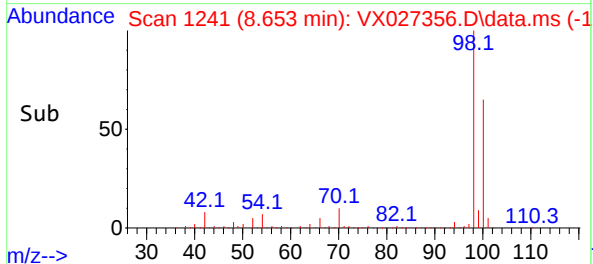
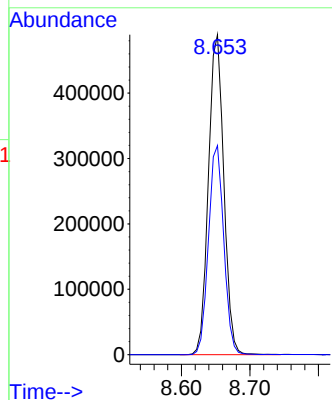
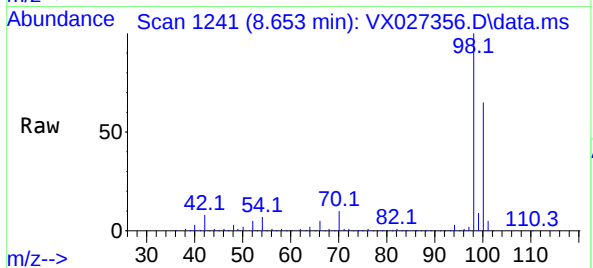
ClientSampleId :

Tgt Ion: 98 Resp: 763098

Ion Ratio Lower Upper

98 100

100 65.1 52.6 78.8



#51

4-Methyl-2-Pentanone

Concen: 0.401 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.079 min

Lab File: VX027356.D

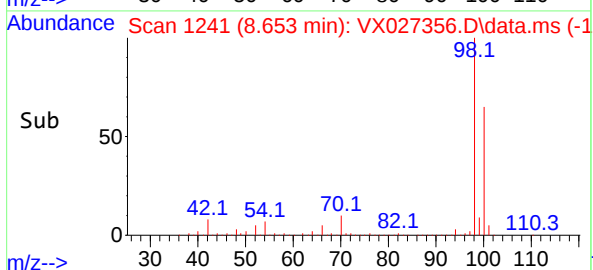
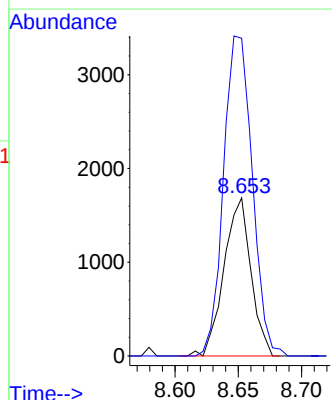
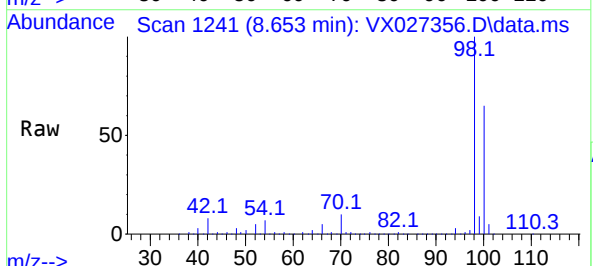
Acq: 09 Mar 2022 17:50

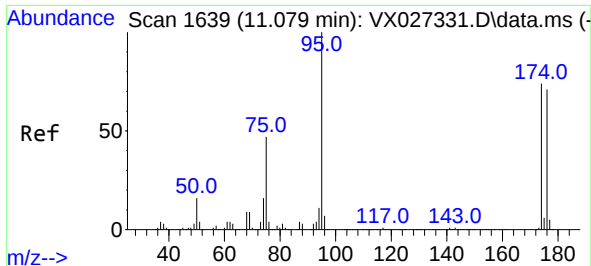
Tgt Ion: 43 Resp: 2493

Ion Ratio Lower Upper

43 100

58 216.4 36.1 54.1#

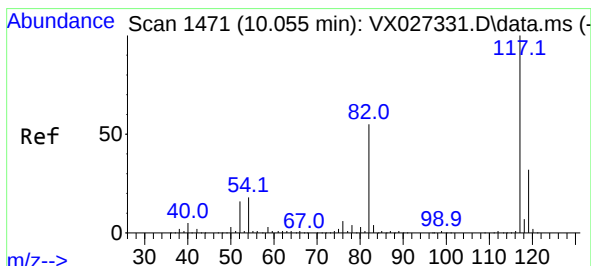
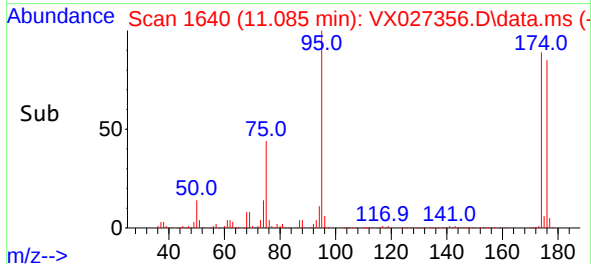
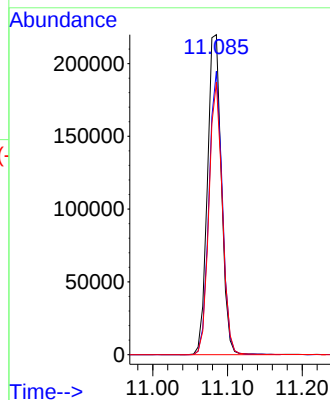
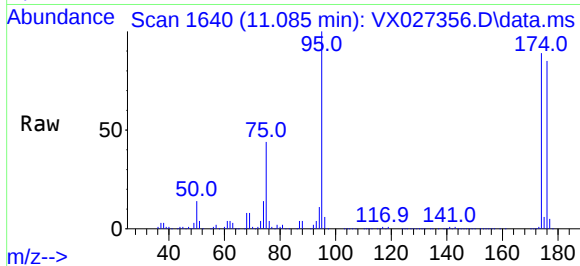




#62
4-Bromofluorobenzene
Concen: 47.079 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX027356.D
Acq: 09 Mar 2022 17:50

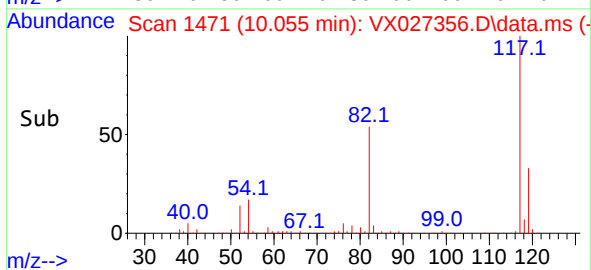
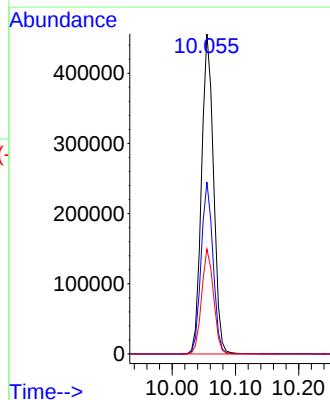
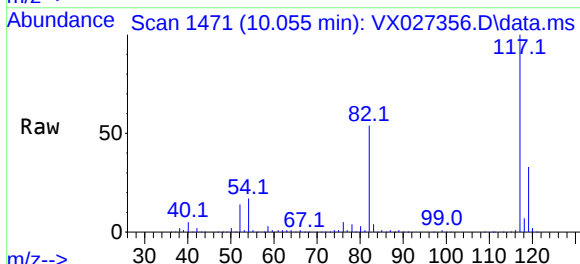
Instrument :
MSVOA_X
ClientSampleId :

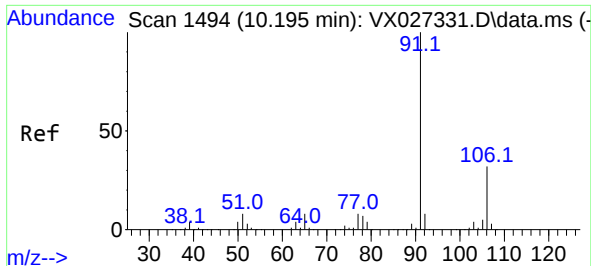
Tgt Ion: 95 Resp: 284821
Ion Ratio Lower Upper
95 100
174 84.7 0.0 163.0
176 81.3 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX027356.D
Acq: 09 Mar 2022 17:50

Tgt Ion: 117 Resp: 605718
Ion Ratio Lower Upper
117 100
82 53.7 41.8 62.8
119 32.8 24.8 37.2





#67

Ethyl Benzene

Concen: 3.508 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX027356.D

Acq: 09 Mar 2022 17:50

Instrument :

MSVOA_X

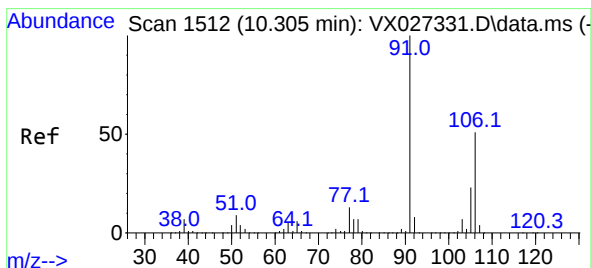
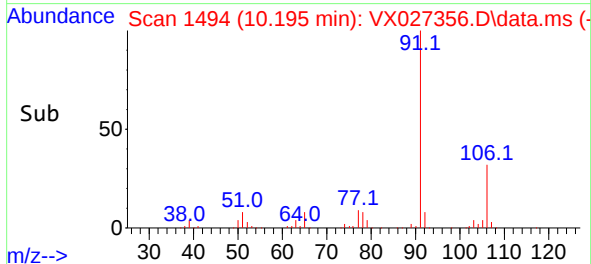
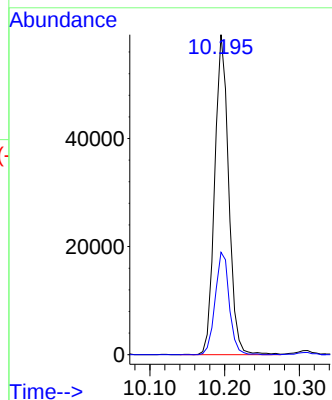
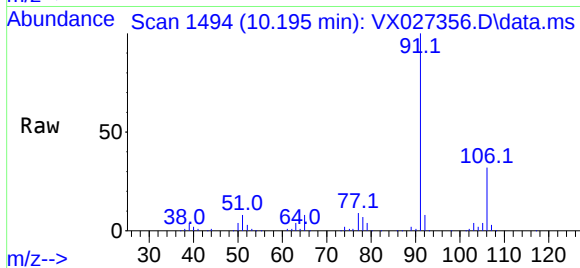
ClientSampleId :

Tgt Ion: 91 Resp: 77085

Ion Ratio Lower Upper

91 100

106 32.0 24.6 36.8



#68

m/p-Xylenes

Concen: 2.884 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. -0.110 min

Lab File: VX027356.D

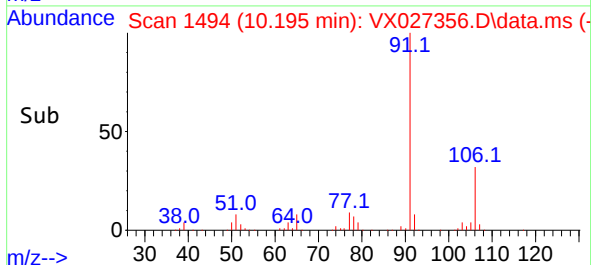
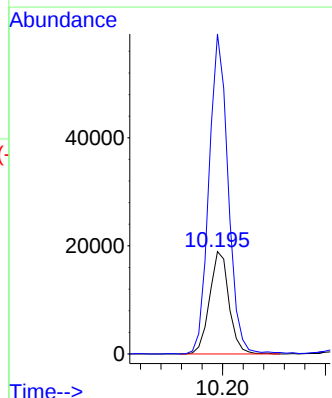
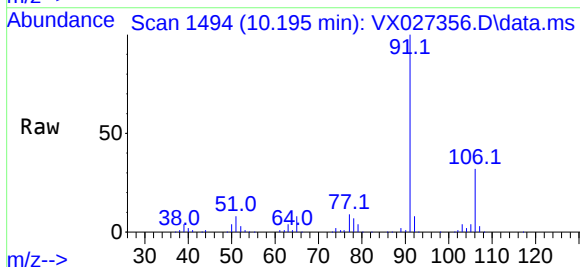
Acq: 09 Mar 2022 17:50

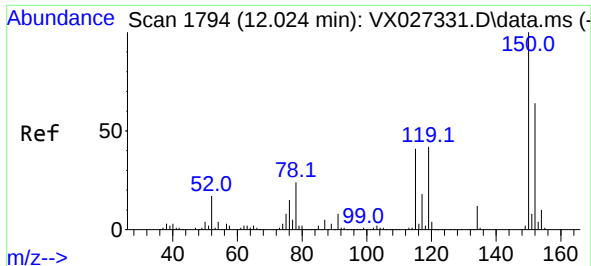
Tgt Ion:106 Resp: 24862

Ion Ratio Lower Upper

106 100

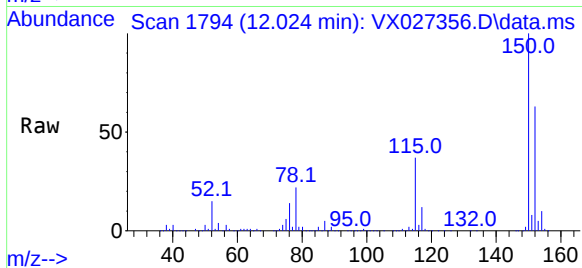
91 310.1 160.4 240.6#



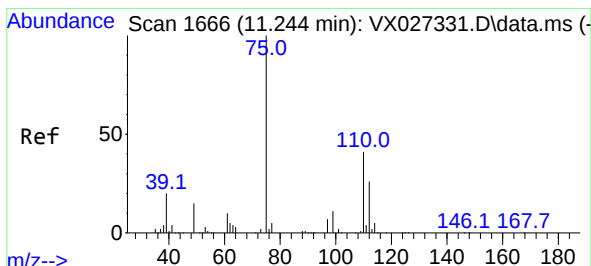
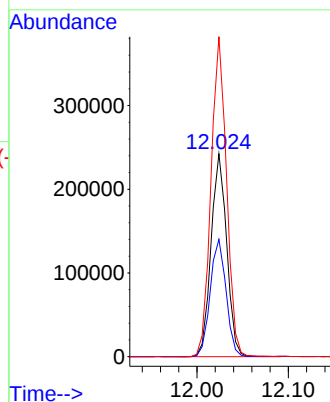
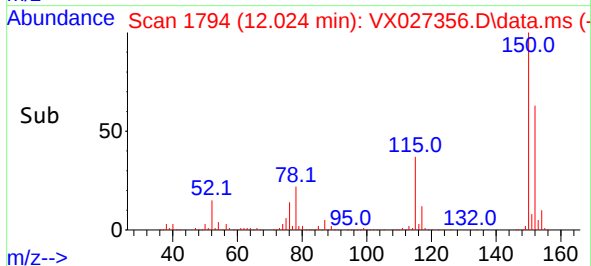


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX027356.D
Acq: 09 Mar 2022 17:50

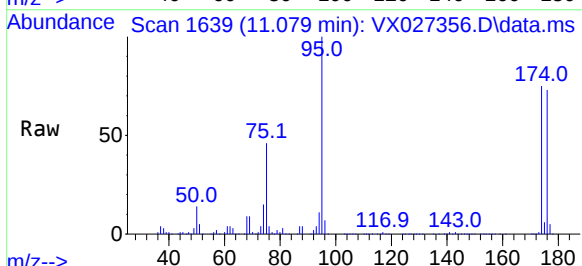
Instrument :
MSVOA_X
ClientSampleId :



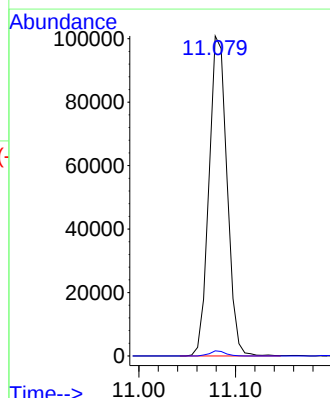
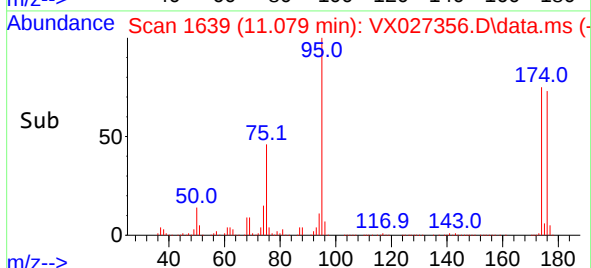
Tgt Ion:152 Resp: 287365
Ion Ratio Lower Upper
152 100
115 58.6 37.5 112.7
150 156.6 0.0 338.2

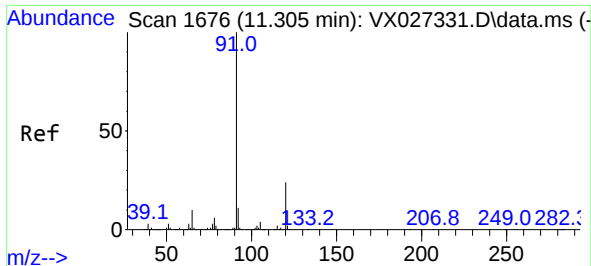


#76
1,2,3-Trichloropropane
Concen: 20.682 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX027356.D
Acq: 09 Mar 2022 17:50



Tgt Ion: 75 Resp: 130394
Ion Ratio Lower Upper
75 100
77 1.4 19.4 58.2#

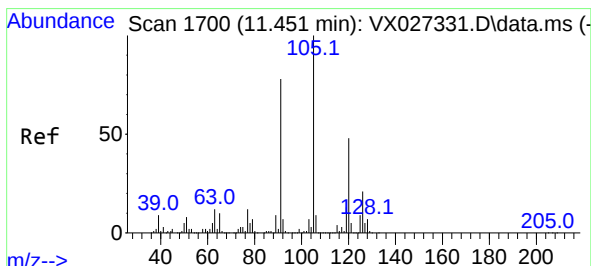
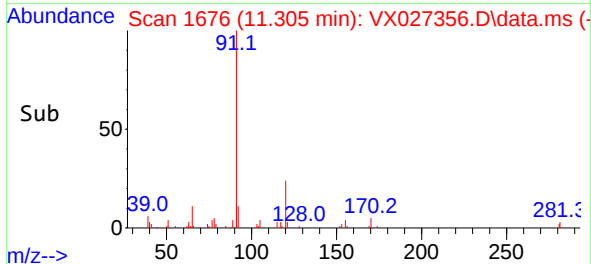
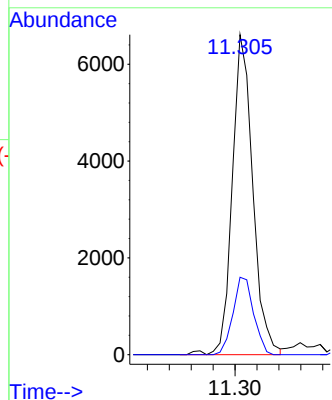
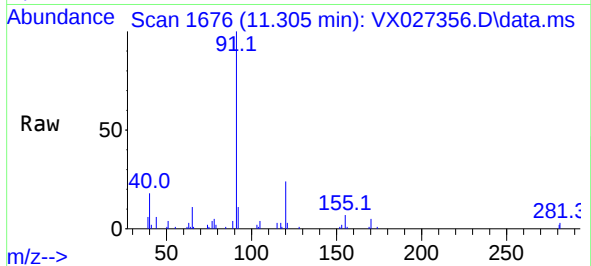




#78
n-propylbenzene
Concen: 0.362 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX027356.D
Acq: 09 Mar 2022 17:50

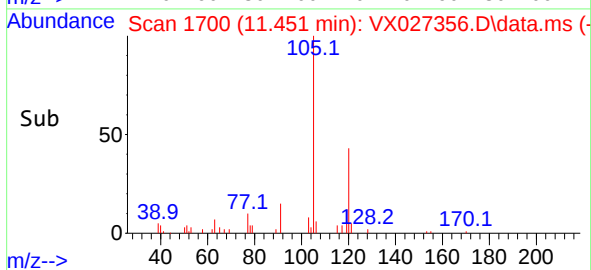
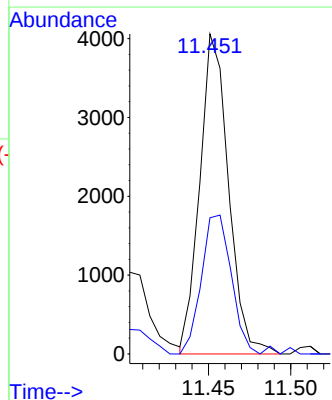
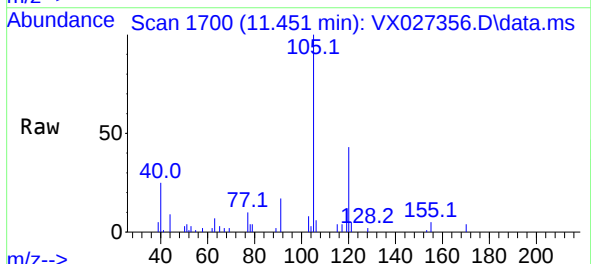
Instrument :
MSVOA_X
ClientSampleId :

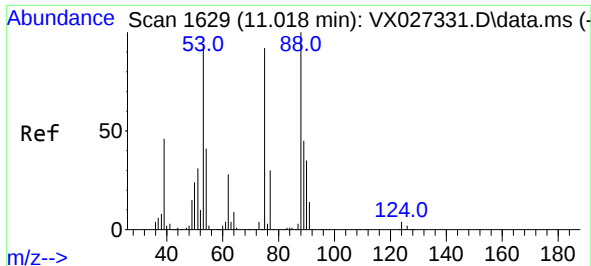
Tgt Ion: 91 Resp: 8557
Ion Ratio Lower Upper
91 100
120 24.3 11.6 34.8



#80
1,3,5-Trimethylbenzene
Concen: 0.273 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX027356.D
Acq: 09 Mar 2022 17:50

Tgt Ion: 105 Resp: 4926
Ion Ratio Lower Upper
105 100
120 45.1 24.3 72.9

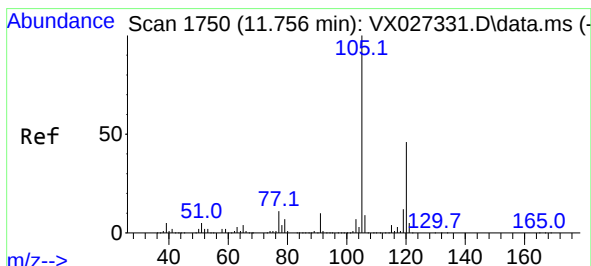
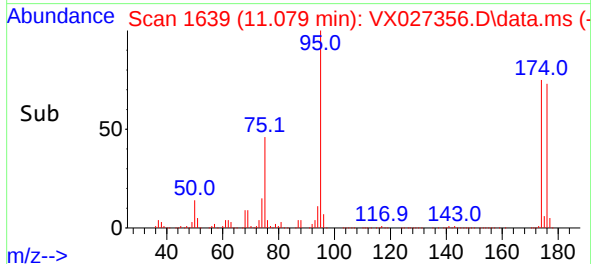
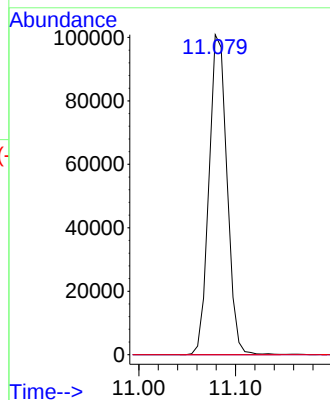
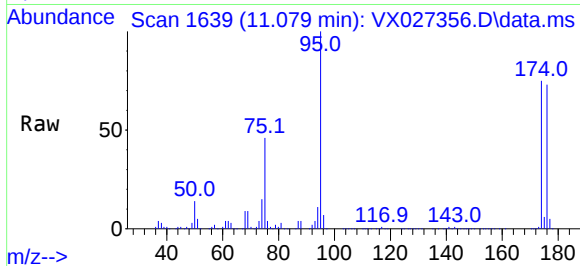




#81
trans-1,4-Dichloro-2-butene
Concen: 66.886 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX027356.D
Acq: 09 Mar 2022 17:50

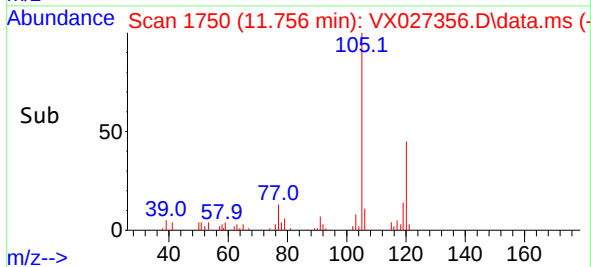
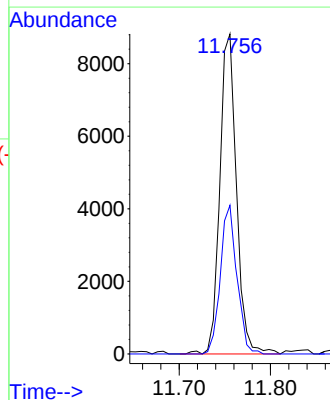
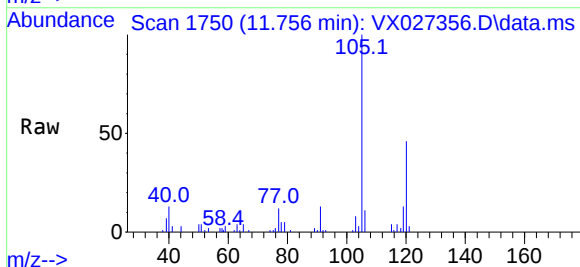
Instrument :
MSVOA_X
ClientSampleId :

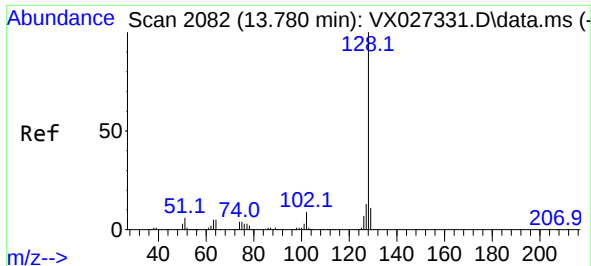
Tgt Ion: 75 Resp: 130394
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#



#84
1,2,4-Trimethylbenzene
Concen: 0.626 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX027356.D
Acq: 09 Mar 2022 17:50

Tgt Ion: 105 Resp: 11187
Ion Ratio Lower Upper
105 100
120 46.2 22.6 67.8





#95

Naphthalene

Concen: 2.574 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. -0.000 min

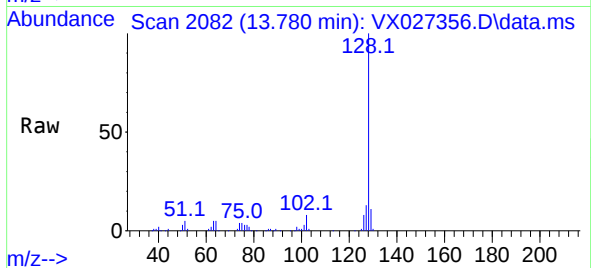
Lab File: VX027356.D

Acq: 09 Mar 2022 17:50

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:128 Resp: 55728

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

129 11.0 8.7 13.1

