

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121721\
 Data File : VX025856.D
 Acq On : 16 Dec 2021 15:31
 Operator : JC/MD
 Sample : M5084-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 17 02:31:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 14 07:02:11 2021
 Response via : Initial Calibration

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

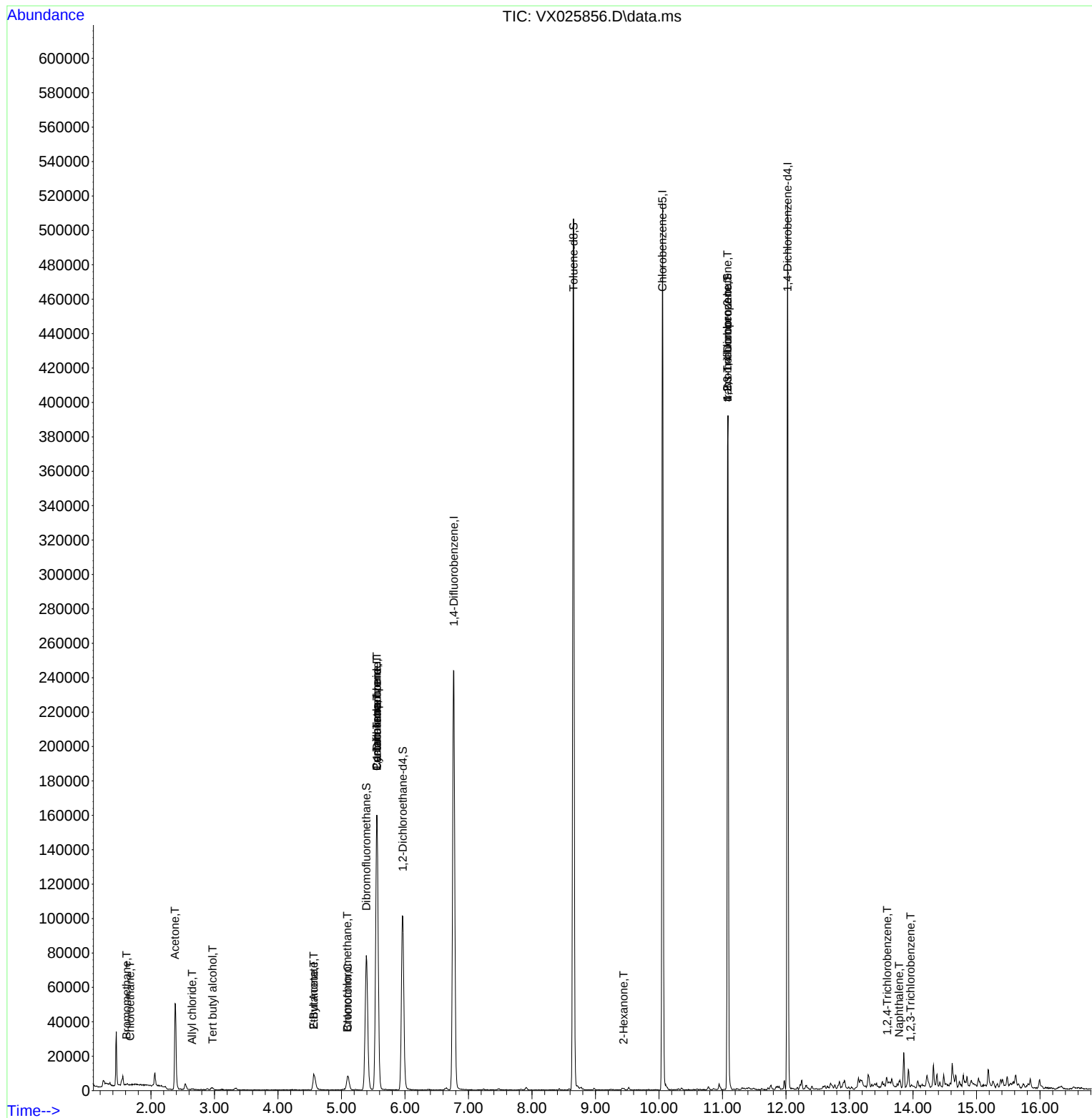
Internal Standards						
1) Pentafluorobenzene	5.556	168	150393	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	255219	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	230395	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	102113	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	97562	45.086	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.180%		
35) Dibromofluoromethane	5.391	113	65946	37.050	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	74.100%#		
50) Toluene-d8	8.653	98	298222	45.985	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.980%#		
62) 4-Bromofluorobenzene	11.079	95	105338	42.760	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	85.520%		
Target Compounds						Qvalue
5) Bromomethane	1.618	94	391	0.294	ug/l #	59
6) Chloroethane	1.673	64	332	0.246	ug/l #	42
11) Tert butyl alcohol	2.971	59	1347	3.103	ug/l #	89
14) Allyl chloride	2.648	41	724	0.249	ug/l #	37
16) Acetone	2.380	43	53570	39.571	ug/l	97
20) Methylene Chloride	2.794	84	25	Below Cal	#	12
25) 2-Butanone	4.562	43	16787	11.534	ug/l	95
28) Bromochloromethane	5.093	49	644	0.444	ug/l #	10
30) Chloroform	5.099	83	9341	2.646	ug/l	92
31) Cyclohexane	5.556	56	3506	1.332	ug/l #	19
36) 1,1-Dichloropropene	5.556	75	11616	4.812	ug/l #	50
37) Ethyl Acetate	4.562	43	16787	6.260	ug/l #	69
38) Carbon Tetrachloride	5.556	117	15428	5.493	ug/l #	16
59) 2-Hexanone	9.439	43	811	0.378	ug/l	71
76) 1,2,3-Trichloropropane	11.079	75	53899	23.038	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	53899	71.423	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.591	180	29	3.384	ug/l #	1
95) Naphthalene	13.780	128	2121	2.701	ug/l #	86
96) 1,2,3-Trichlorobenzene	13.963	180	49	3.016	ug/l #	1

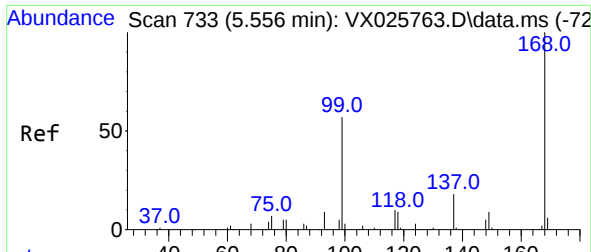
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 17 02:31:19 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 14 07:02:11 2021
Response via : Initial Calibration

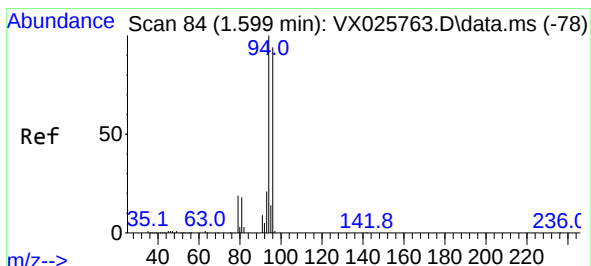
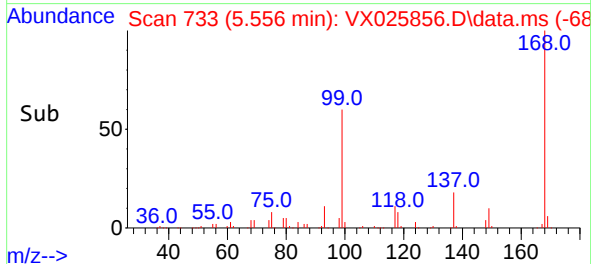
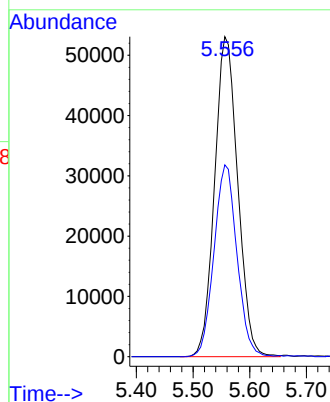
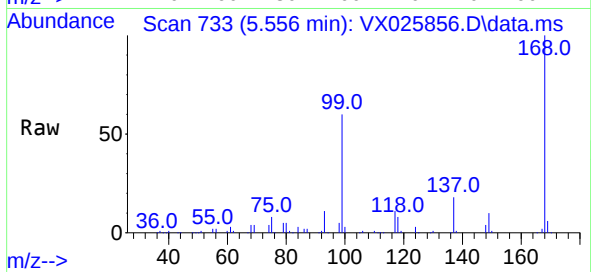




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX025856.D
Acq: 16 Dec 2021 15:31

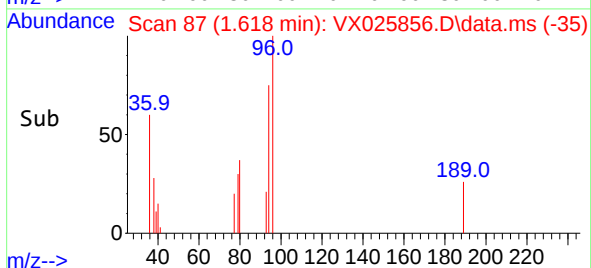
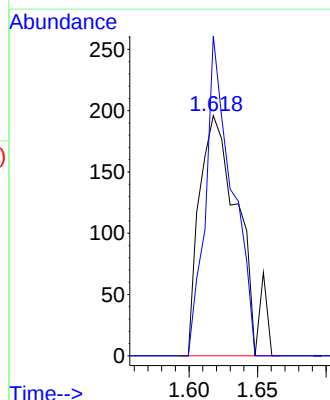
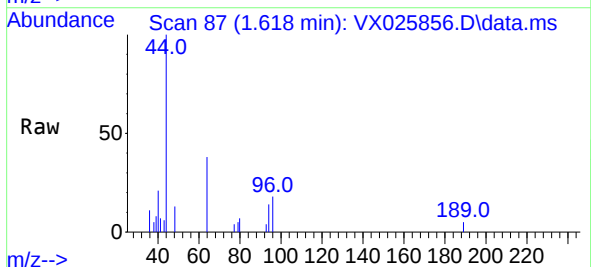
Instrument :
MSVOA_X
ClientSampleId :

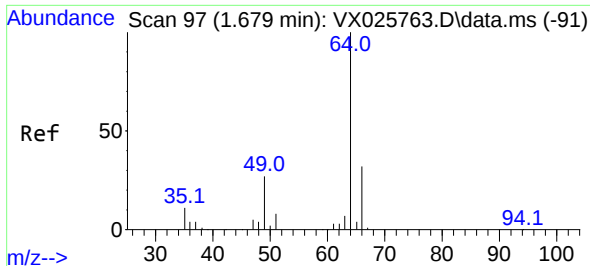
Tgt Ion:168 Resp: 150393
Ion Ratio Lower Upper
168 100
99 59.9 45.8 68.8



#5
Bromomethane
Concen: 0.294 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX025856.D
Acq: 16 Dec 2021 15:31

Tgt Ion: 94 Resp: 391
Ion Ratio Lower Upper
94 100
96 133.2 75.0 112.4#

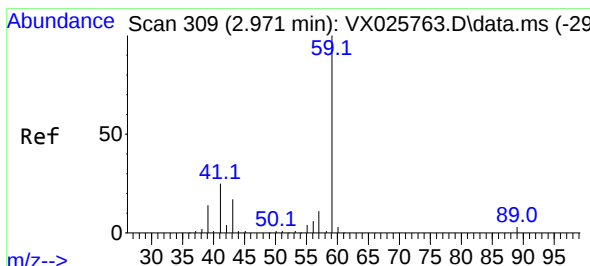
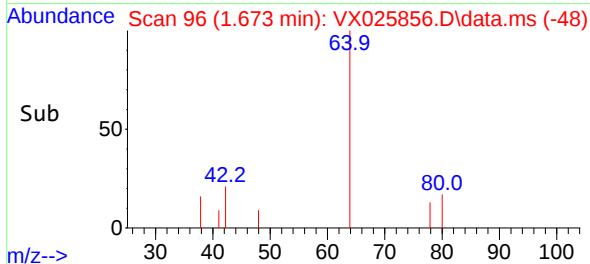
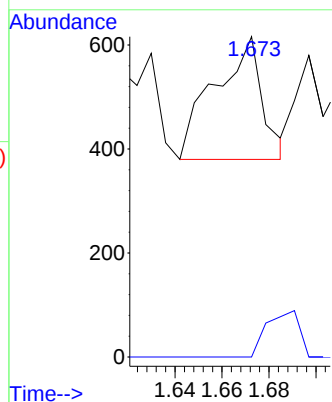
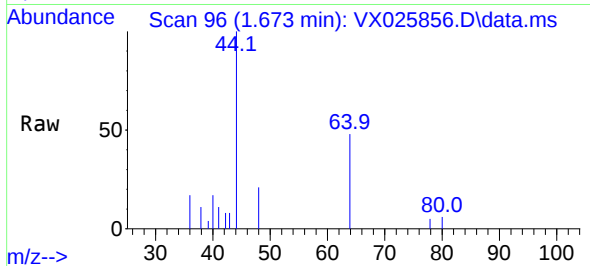




#6
Chloroethane
Concen: 0.246 ug/l
RT: 1.673 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX025856.D
Acq: 16 Dec 2021 15:31

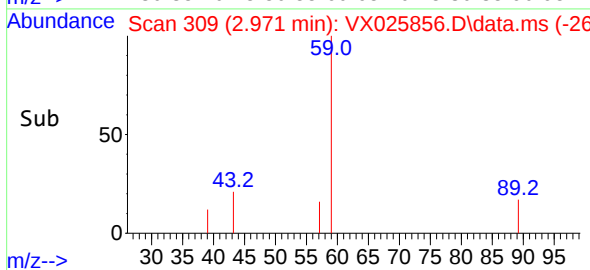
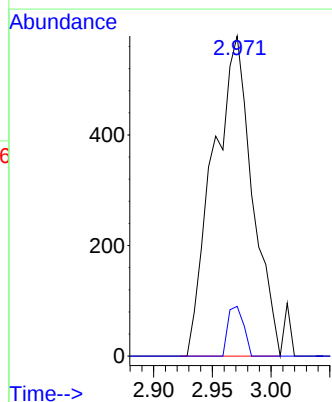
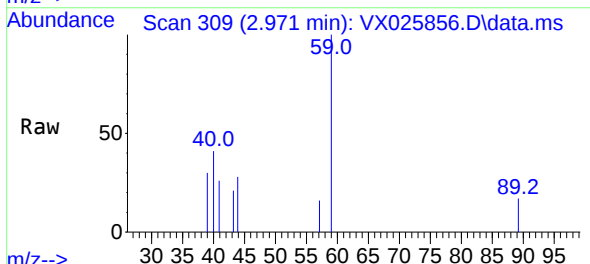
Instrument :
MSVOA_X
ClientSampleId :

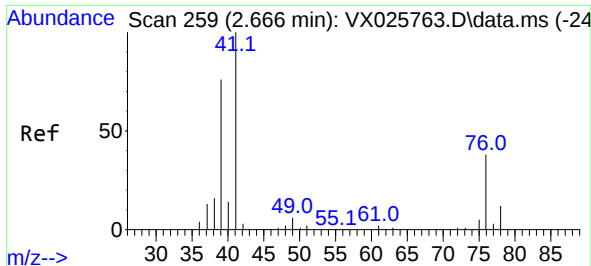
Tgt Ion: 64 Resp: 332
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#



#11
Tert butyl alcohol
Concen: 3.103 ug/l
RT: 2.971 min Scan# 309
Delta R.T. 0.000 min
Lab File: VX025856.D
Acq: 16 Dec 2021 15:31

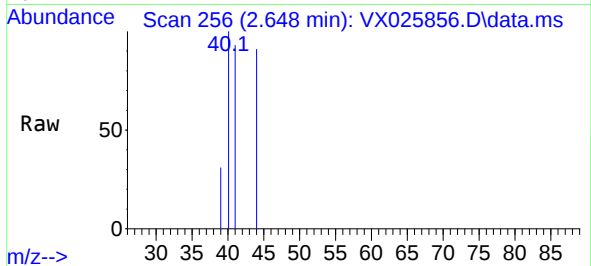
Tgt Ion: 59 Resp: 1347
Ion Ratio Lower Upper
59 100
57 6.2 8.2 12.2#



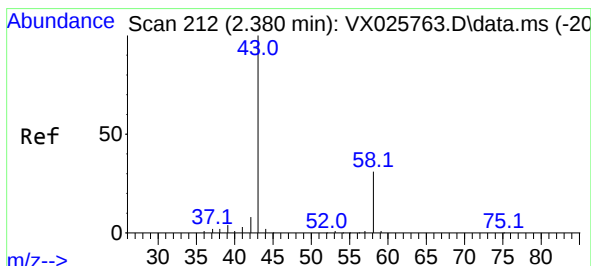
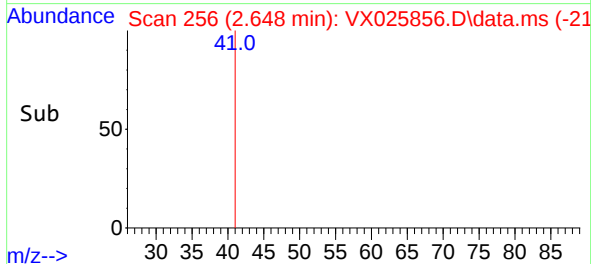
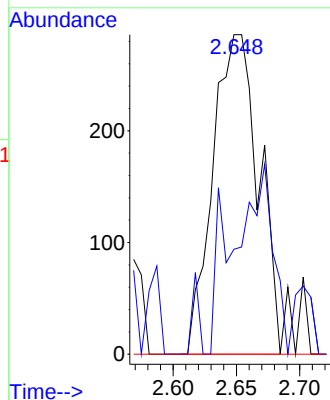


#14
 Allyl chloride
 Concen: 0.249 ug/l
 RT: 2.648 min Scan# 210
 Delta R.T. -0.018 min
 Lab File: VX025856.D
 Acq: 16 Dec 2021 15:31

Instrument :
 MSVOA_X
 ClientSampleId :

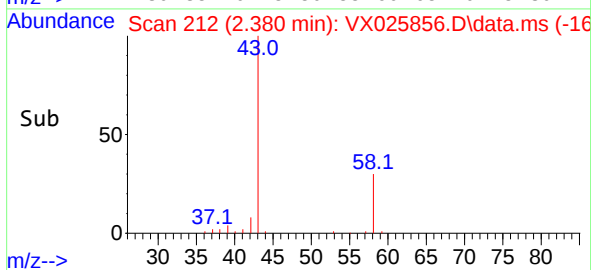
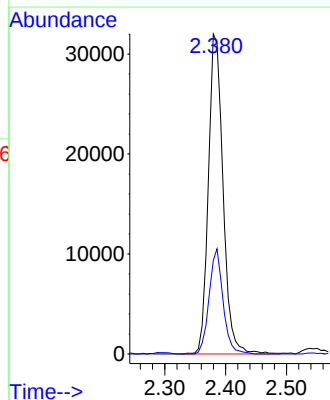
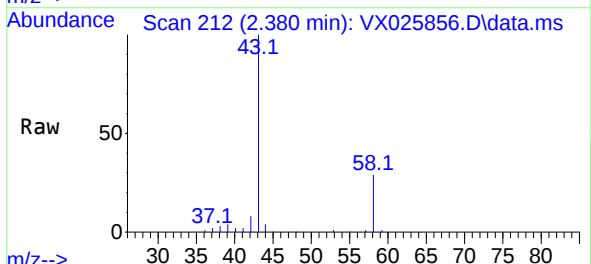


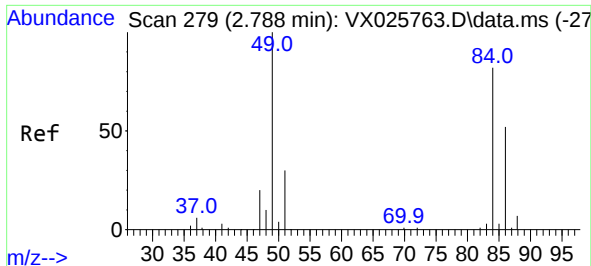
Tgt Ion: 41 Resp: 724
 Ion Ratio Lower Upper
 41 100
 39 16.4 55.4 83.0#
 76 0.0 27.6 41.4#



#16
 Acetone
 Concen: 39.571 ug/l
 RT: 2.380 min Scan# 212
 Delta R.T. -0.000 min
 Lab File: VX025856.D
 Acq: 16 Dec 2021 15:31

Tgt Ion: 43 Resp: 53570
 Ion Ratio Lower Upper
 43 100
 58 29.3 24.8 37.2





#20

Methylene Chloride

Concen: Below Cal

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

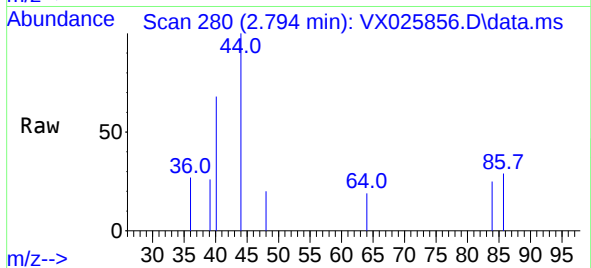
Lab File: VX025856.D

Acq: 16 Dec 2021 15:31

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 25

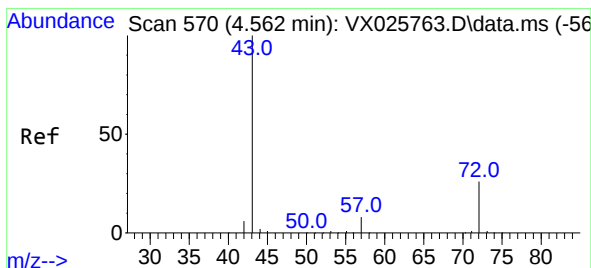
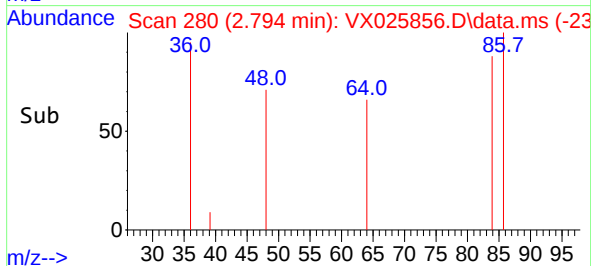
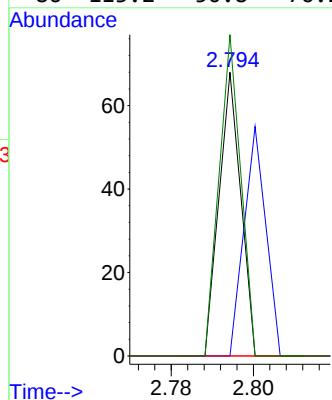
Ion Ratio Lower Upper

84 100

49 0.0 97.1 145.7#

51 0.0 29.3 43.9#

86 113.2 50.8 76.2#



#25

2-Butanone

Concen: 11.534 ug/l

RT: 4.562 min Scan# 570

Delta R.T. 0.000 min

Lab File: VX025856.D

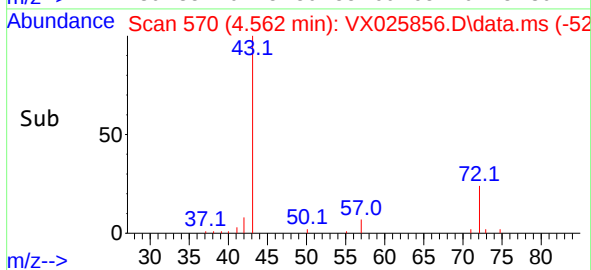
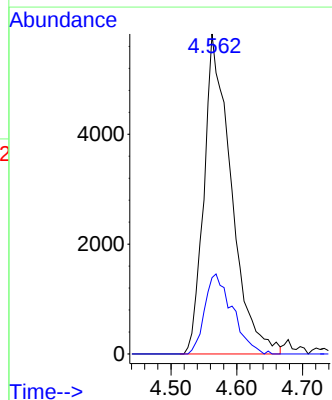
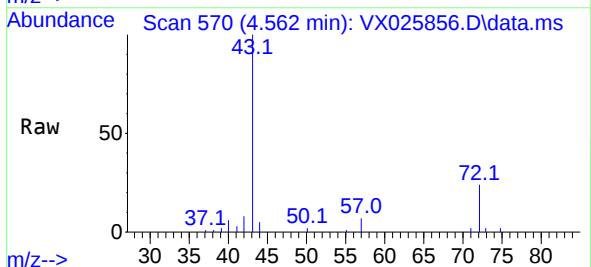
Acq: 16 Dec 2021 15:31

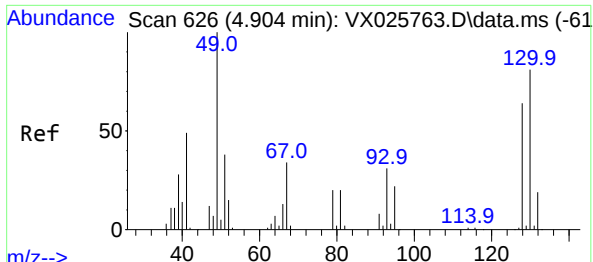
Tgt Ion: 43 Resp: 16787

Ion Ratio Lower Upper

43 100

72 23.9 21.0 31.4

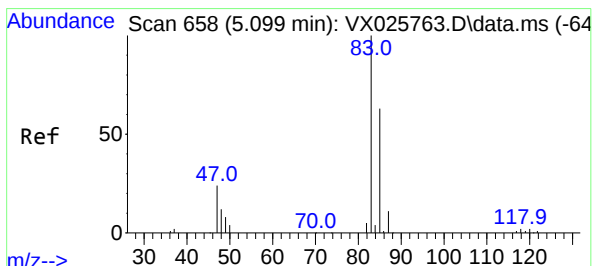
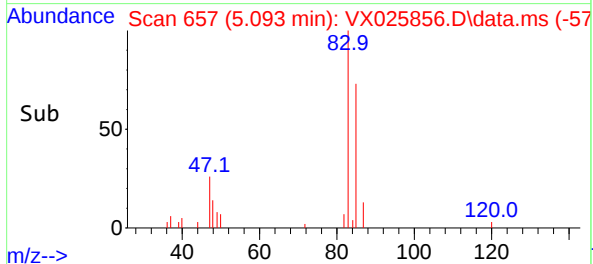
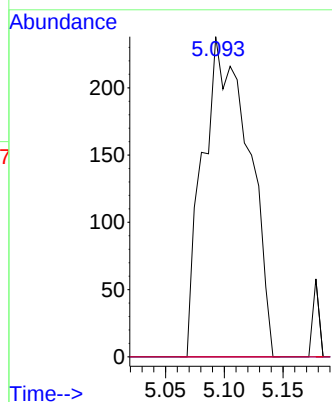
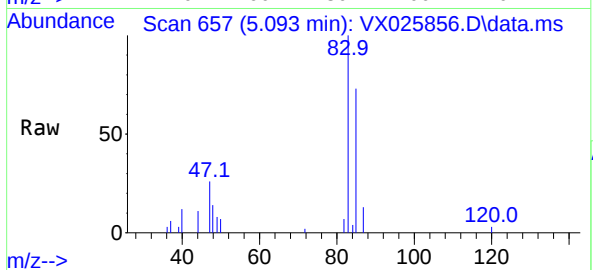




#28
Bromochloromethane
Concen: 0.444 ug/l
RT: 5.093 min Scan# 61
Delta R.T. 0.189 min
Lab File: VX025856.D
Acq: 16 Dec 2021 15:31

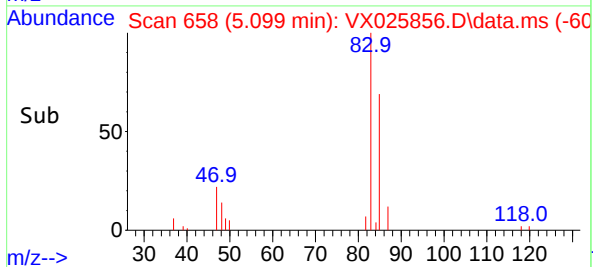
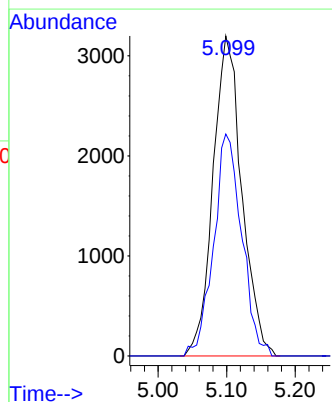
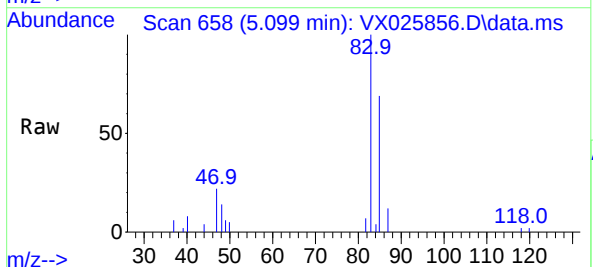
Instrument :
MSVOA_X
ClientSampleId :

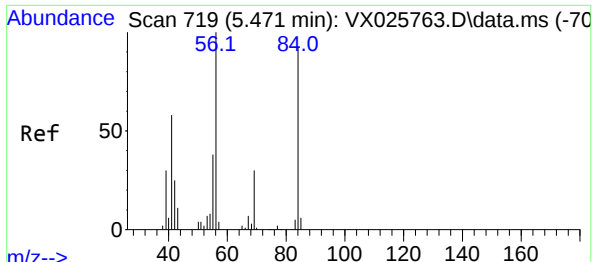
Tgt Ion: 49 Resp: 644
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.4
130 0.0 67.1 100.7#



#30
Chloroform
Concen: 2.646 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.000 min
Lab File: VX025856.D
Acq: 16 Dec 2021 15:31

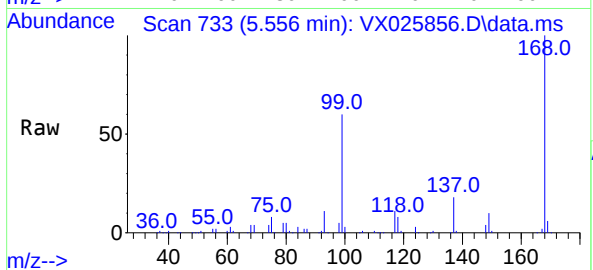
Tgt Ion: 83 Resp: 9341
Ion Ratio Lower Upper
83 100
85 69.4 50.6 75.8



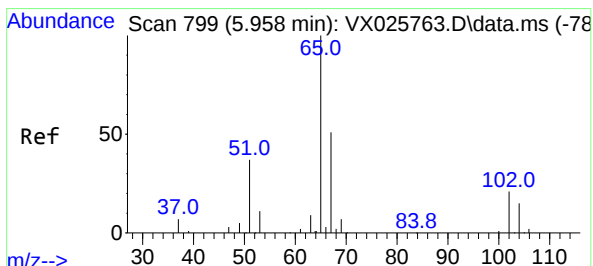
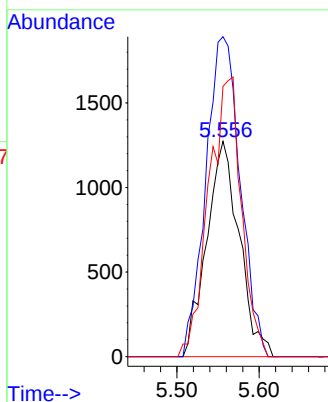
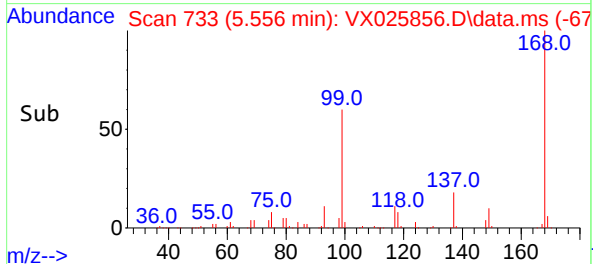


#31
Cyclohexane
Concen: 1.332 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX025856.D
Acq: 16 Dec 2021 15:31

Instrument :
MSVOA_X
ClientSampleId :

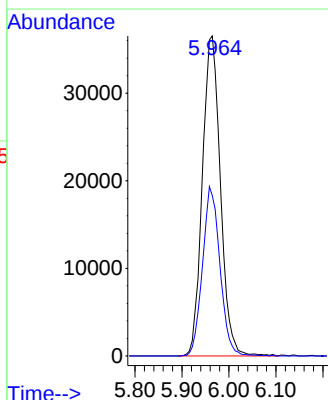
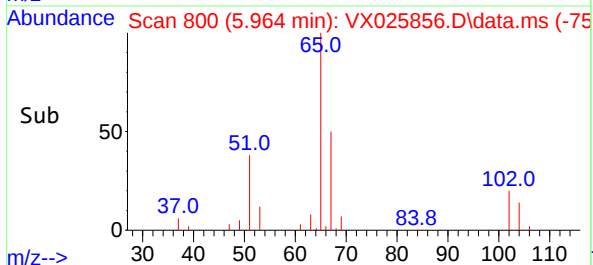
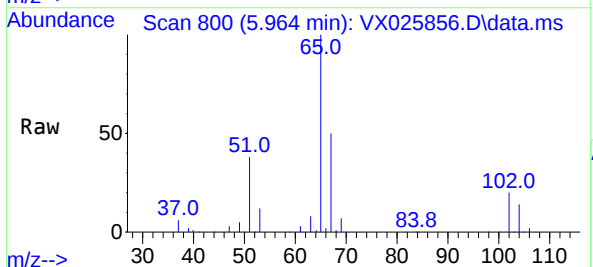


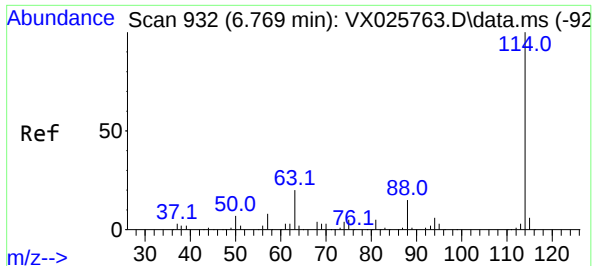
Tgt Ion: 56 Resp: 3506
Ion Ratio Lower Upper
56 100
69 148.6 23.9 35.9#
84 125.6 73.2 109.8#



#33
1,2-Dichloroethane-d4
Concen: 45.086 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX025856.D
Acq: 16 Dec 2021 15:31

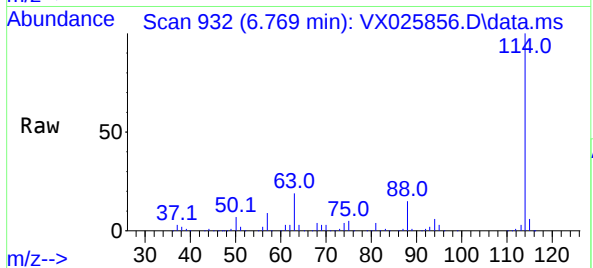
Tgt Ion: 65 Resp: 97562
Ion Ratio Lower Upper
65 100
67 51.1 0.0 103.4



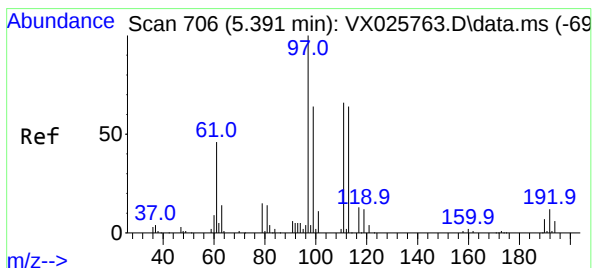
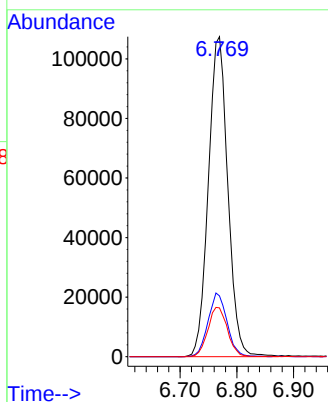
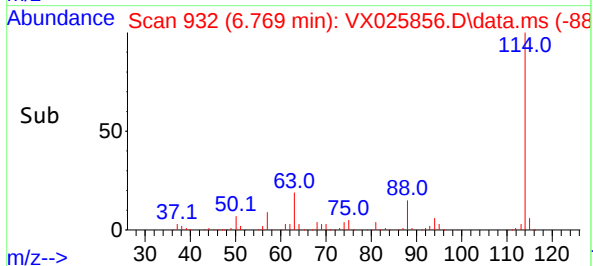


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX025856.D
Acq: 16 Dec 2021 15:31

Instrument :
MSVOA_X
ClientSampleId :

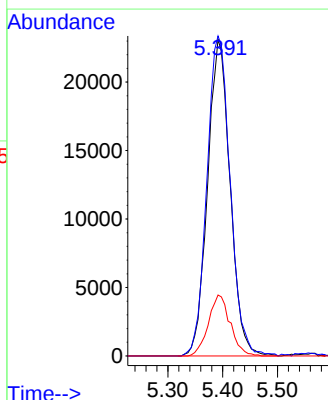
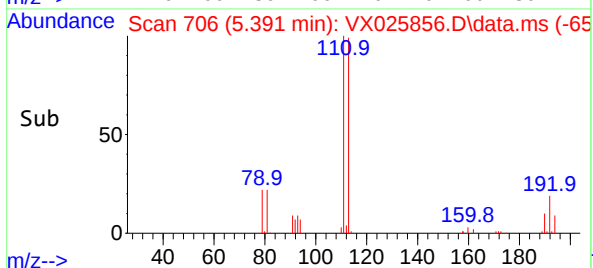
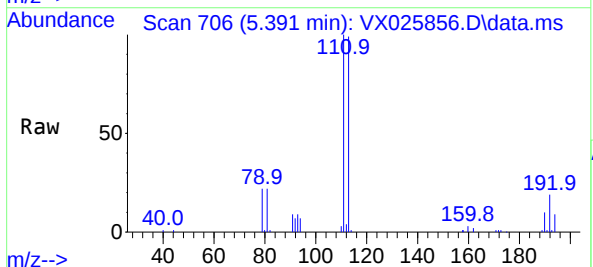


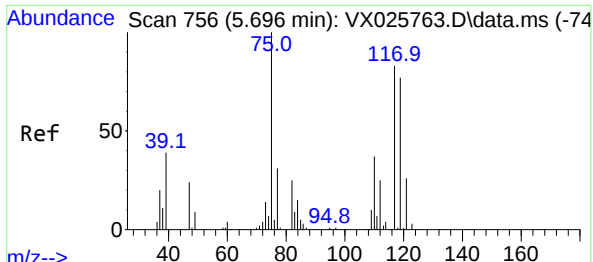
Tgt Ion:114 Resp: 255219
Ion Ratio Lower Upper
114 100
63 19.0 0.0 40.0
88 15.3 0.0 30.6



#35
Dibromofluoromethane
Concen: 37.050 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX025856.D
Acq: 16 Dec 2021 15:31

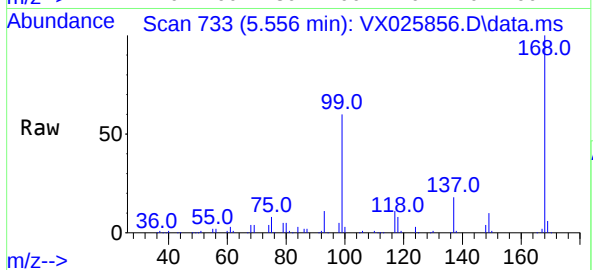
Tgt Ion:113 Resp: 65946
Ion Ratio Lower Upper
113 100
111 104.6 81.8 122.8
192 18.7 15.0 22.4



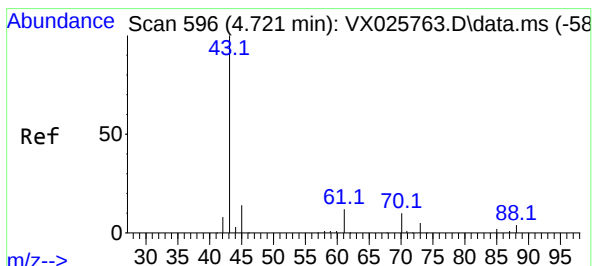
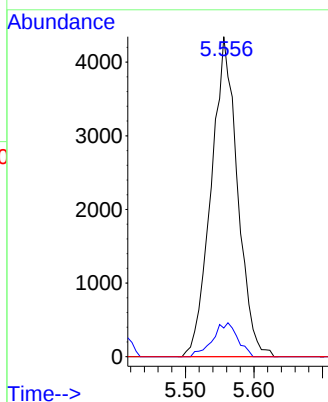
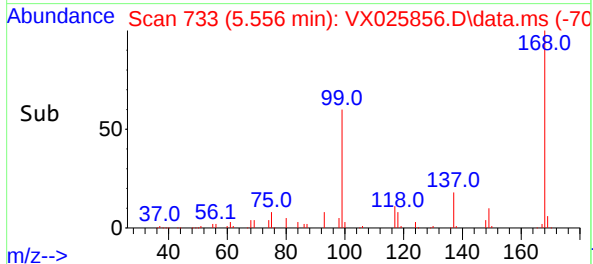


#36
1,1-Dichloropropene
Concen: 4.812 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX025856.D
Acq: 16 Dec 2021 15:31

Instrument :
MSVOA_X
ClientSampleId :

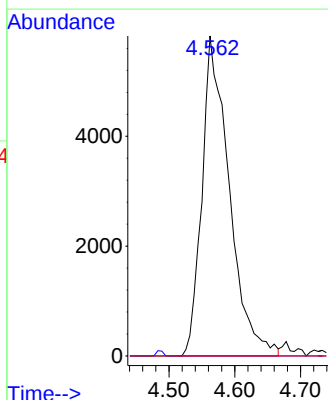
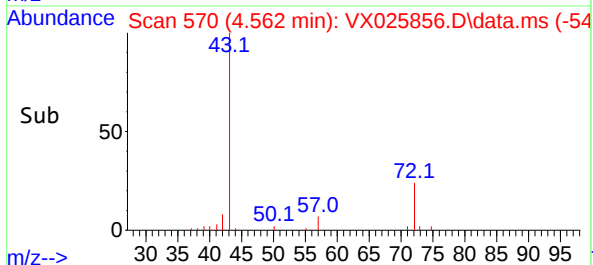
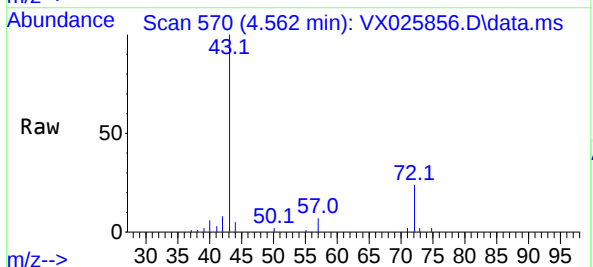


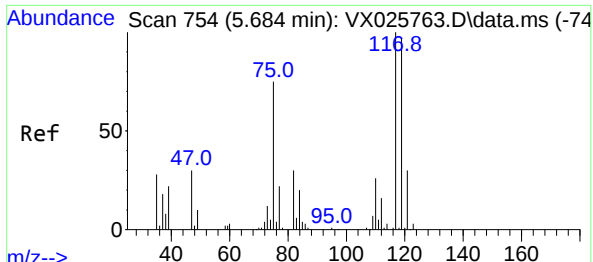
Tgt Ion: 75 Resp: 11616
Ion Ratio Lower Upper
75 100
110 10.1 18.2 54.6#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 6.260 ug/l
RT: 4.562 min Scan# 570
Delta R.T. -0.158 min
Lab File: VX025856.D
Acq: 16 Dec 2021 15:31

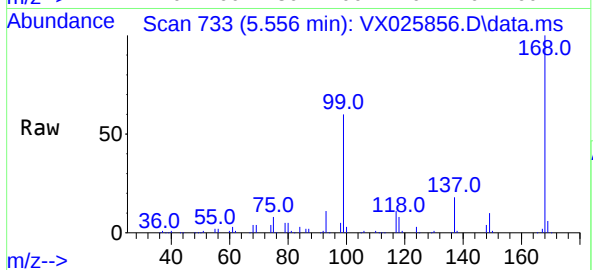
Tgt Ion: 43 Resp: 16787
Ion Ratio Lower Upper
43 100
61 0.0 10.7 16.1#
70 0.0 8.5 12.7#



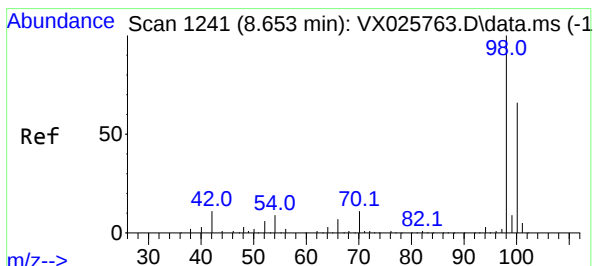
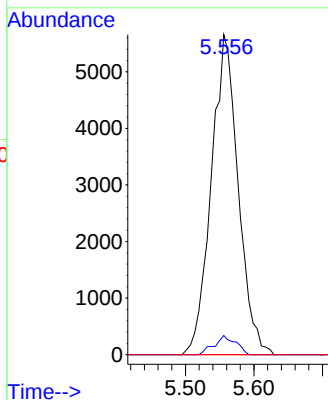
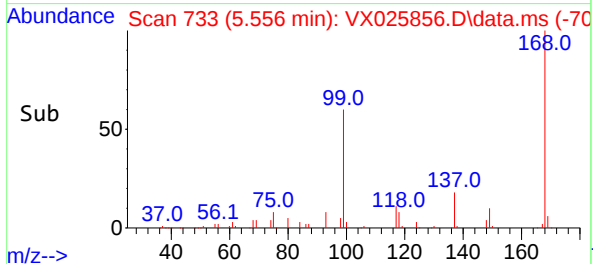


#38
Carbon Tetrachloride
Concen: 5.493 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX025856.D
Acq: 16 Dec 2021 15:31

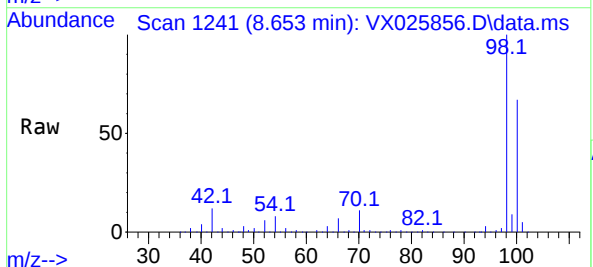
Instrument :
MSVOA_X
ClientSampleId :



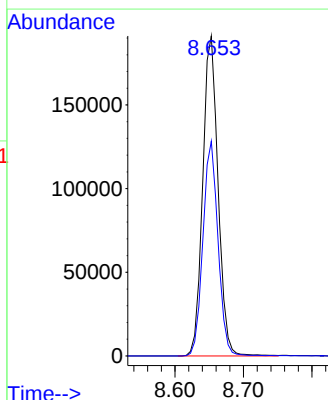
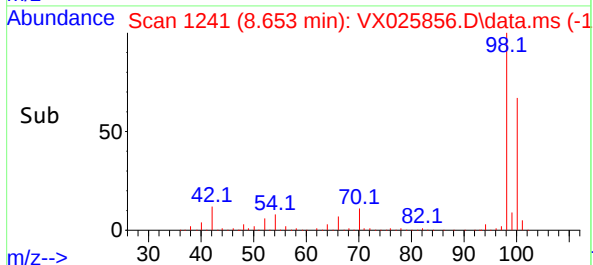
Tgt Ion:117 Resp: 15428
Ion Ratio Lower Upper
117 100
119 6.0 77.2 115.8#
121 0.0 23.8 35.8#

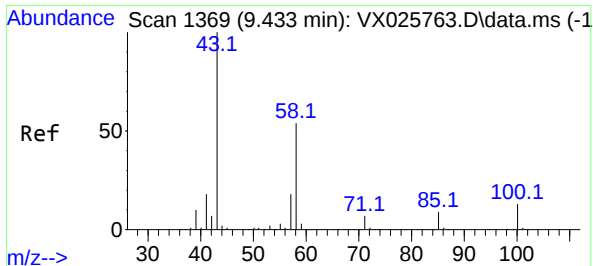


#50
Toluene-d8
Concen: 45.985 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX025856.D
Acq: 16 Dec 2021 15:31



Tgt Ion: 98 Resp: 298222
Ion Ratio Lower Upper
98 100
100 66.0 52.6 78.8

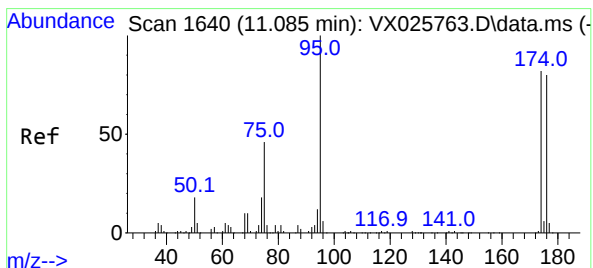
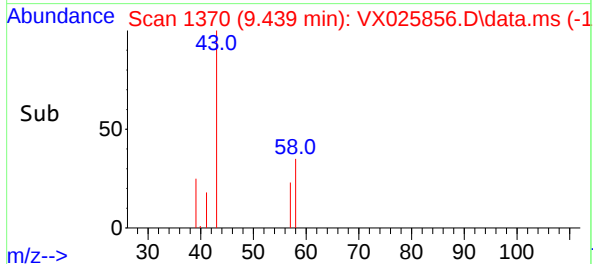
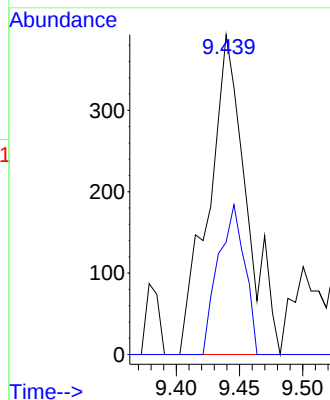
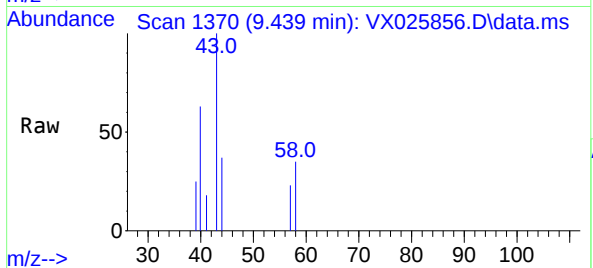




#59
2-Hexanone
Concen: 0.378 ug/l
RT: 9.439 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX025856.D
Acq: 16 Dec 2021 15:31

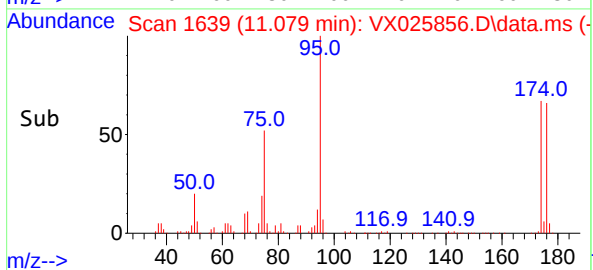
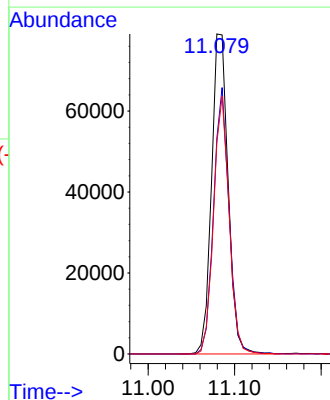
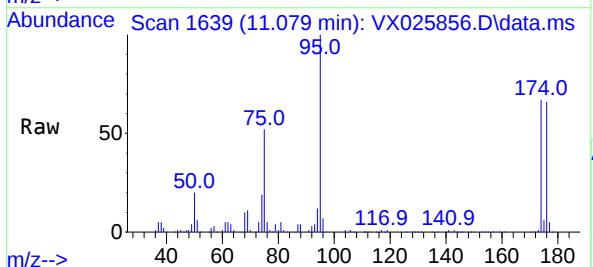
Instrument :
MSVOA_X
ClientSampleId :

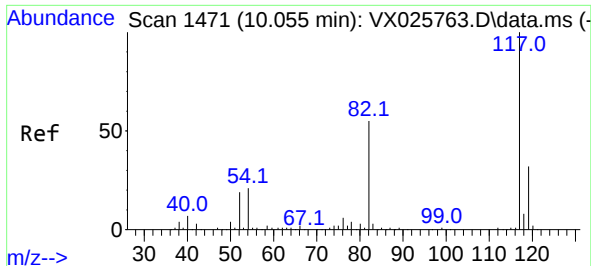
Tgt Ion: 43 Resp: 811
Ion Ratio Lower Upper
43 100
58 33.0 26.9 80.6



#62
4-Bromofluorobenzene
Concen: 42.760 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX025856.D
Acq: 16 Dec 2021 15:31

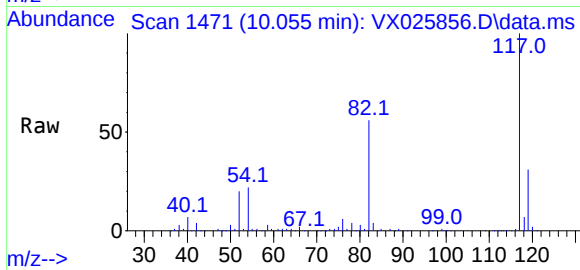
Tgt Ion: 95 Resp: 105338
Ion Ratio Lower Upper
95 100
174 77.3 0.0 157.4
176 75.2 0.0 154.6



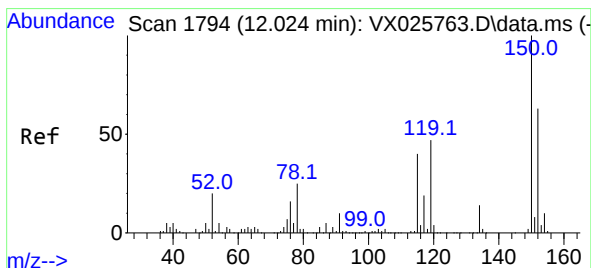
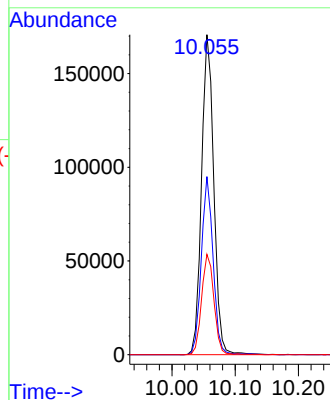
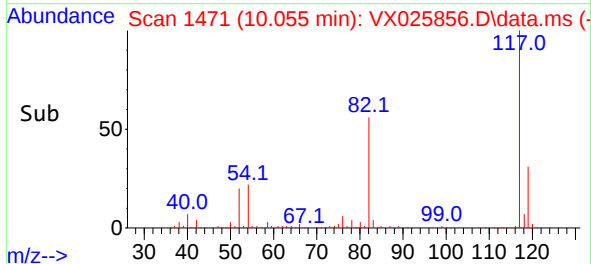


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX025856.D
Acq: 16 Dec 2021 15:31

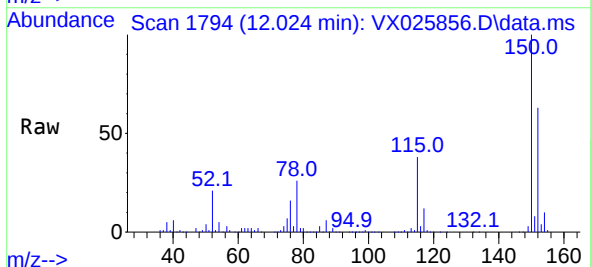
Instrument :
MSVOA_X
ClientSampleId :



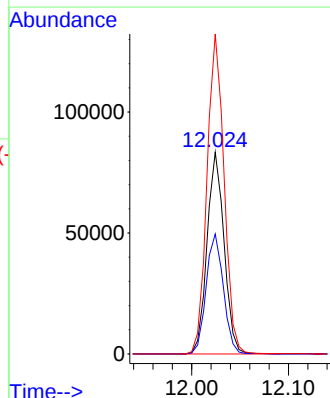
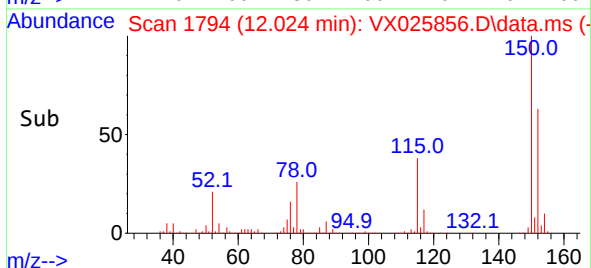
Tgt Ion:117 Resp: 230395
Ion Ratio Lower Upper
117 100
82 55.6 43.8 65.6
119 31.3 25.2 37.8

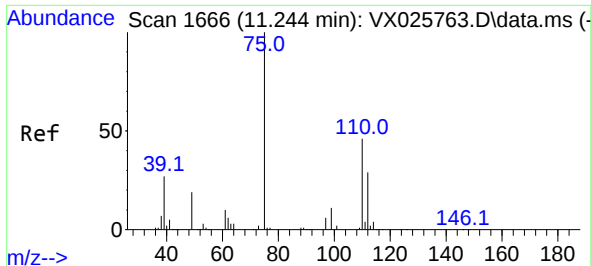


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX025856.D
Acq: 16 Dec 2021 15:31



Tgt Ion:152 Resp: 102113
Ion Ratio Lower Upper
152 100
115 60.3 41.3 123.9
150 158.7 0.0 351.8

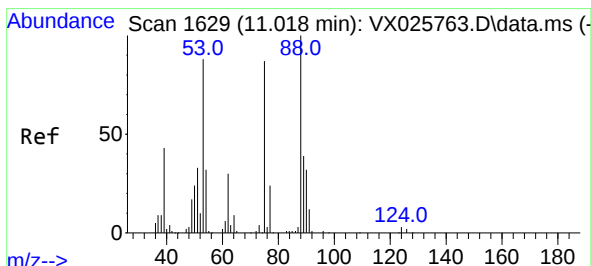
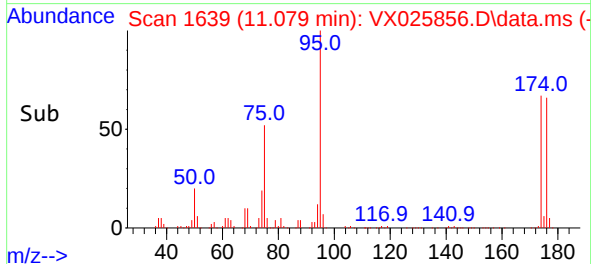
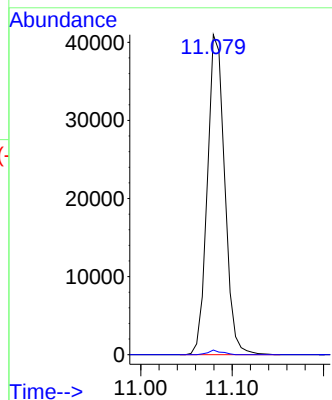
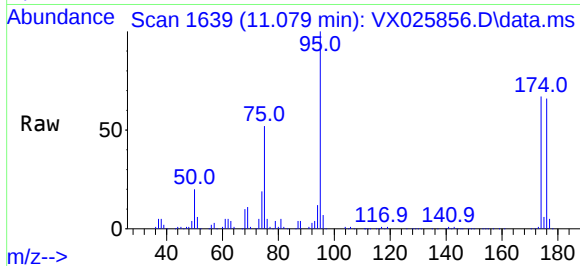




#76
1,2,3-Trichloropropane
Concen: 23.038 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX025856.D
Acq: 16 Dec 2021 15:31

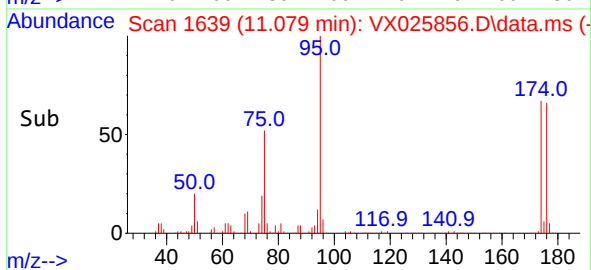
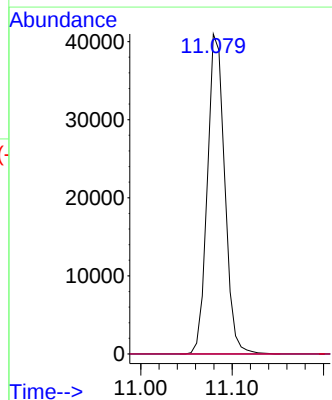
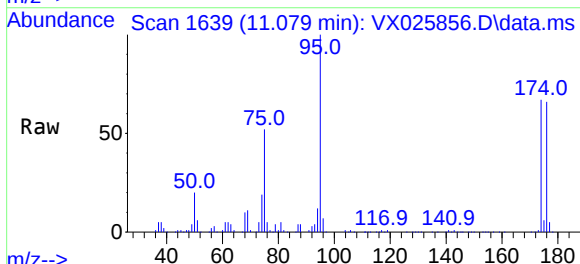
Instrument :
MSVOA_X
ClientSampleId :

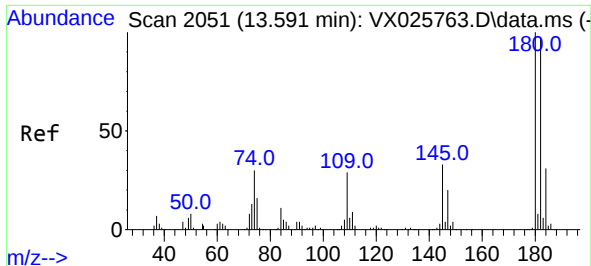
Tgt Ion: 75 Resp: 53899
Ion Ratio Lower Upper
75 100
77 1.1 19.0 57.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.423 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX025856.D
Acq: 16 Dec 2021 15:31

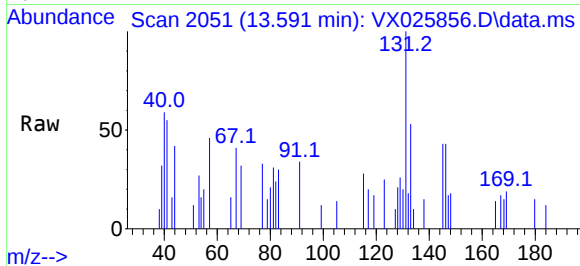
Tgt Ion: 75 Resp: 53899
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 38.3 57.5#



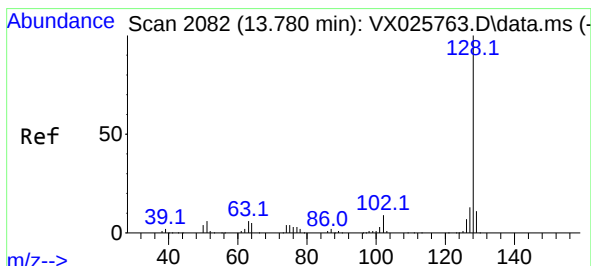
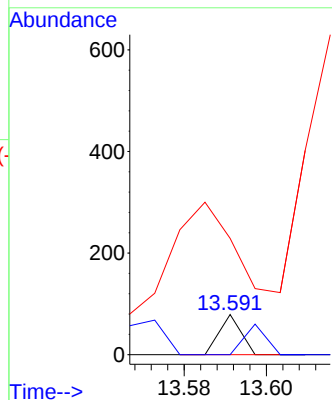
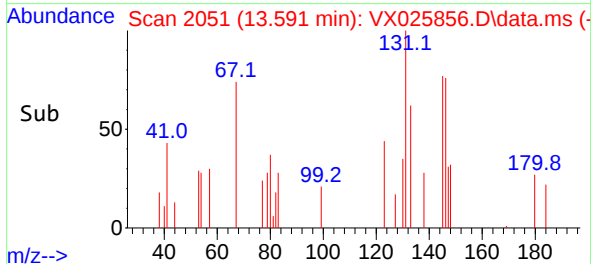


#93
1,2,4-Trichlorobenzene
Concen: 3.384 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX025856.D
Acq: 16 Dec 2021 15:31

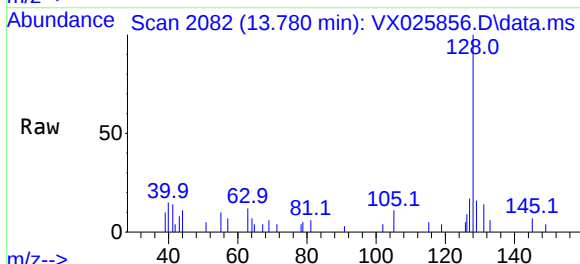
Instrument :
MSVOA_X
ClientSampleId :



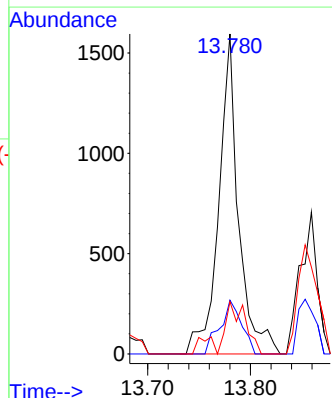
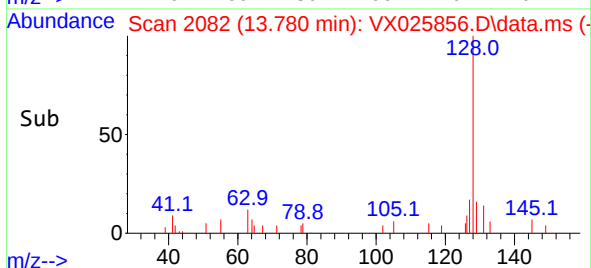
Tgt Ion:180 Resp: 29
Ion Ratio Lower Upper
180 100
182 75.9 47.2 141.6
145 1548.3 16.3 48.9#

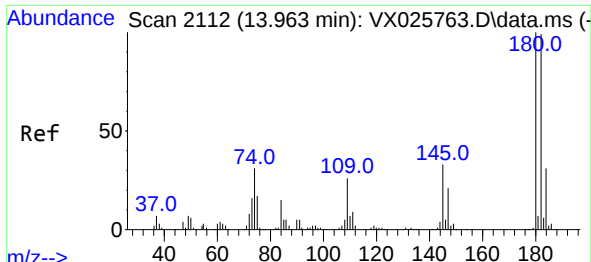


#95
Naphthalene
Concen: 2.701 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX025856.D
Acq: 16 Dec 2021 15:31



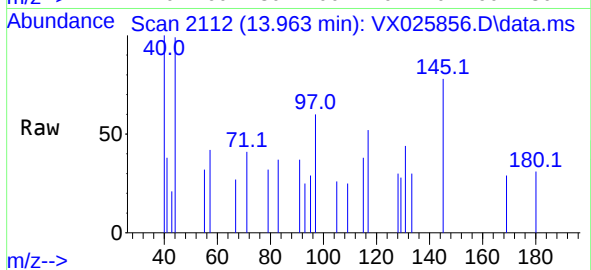
Tgt Ion:128 Resp: 2121
Ion Ratio Lower Upper
128 100
127 18.4 10.3 15.5#
129 16.3 8.8 13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.016 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VX025856.D
 Acq: 16 Dec 2021 15:31

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:180 Resp: 49
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.5 142.6#
 145 951.0 16.7 50.1#

