

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050523\
 Data File : VX035534.D
 Acq On : 05 May 2023 14:28
 Operator : JC/MD
 Sample : 02615-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 001-2

Quant Time: May 08 00:50:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

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

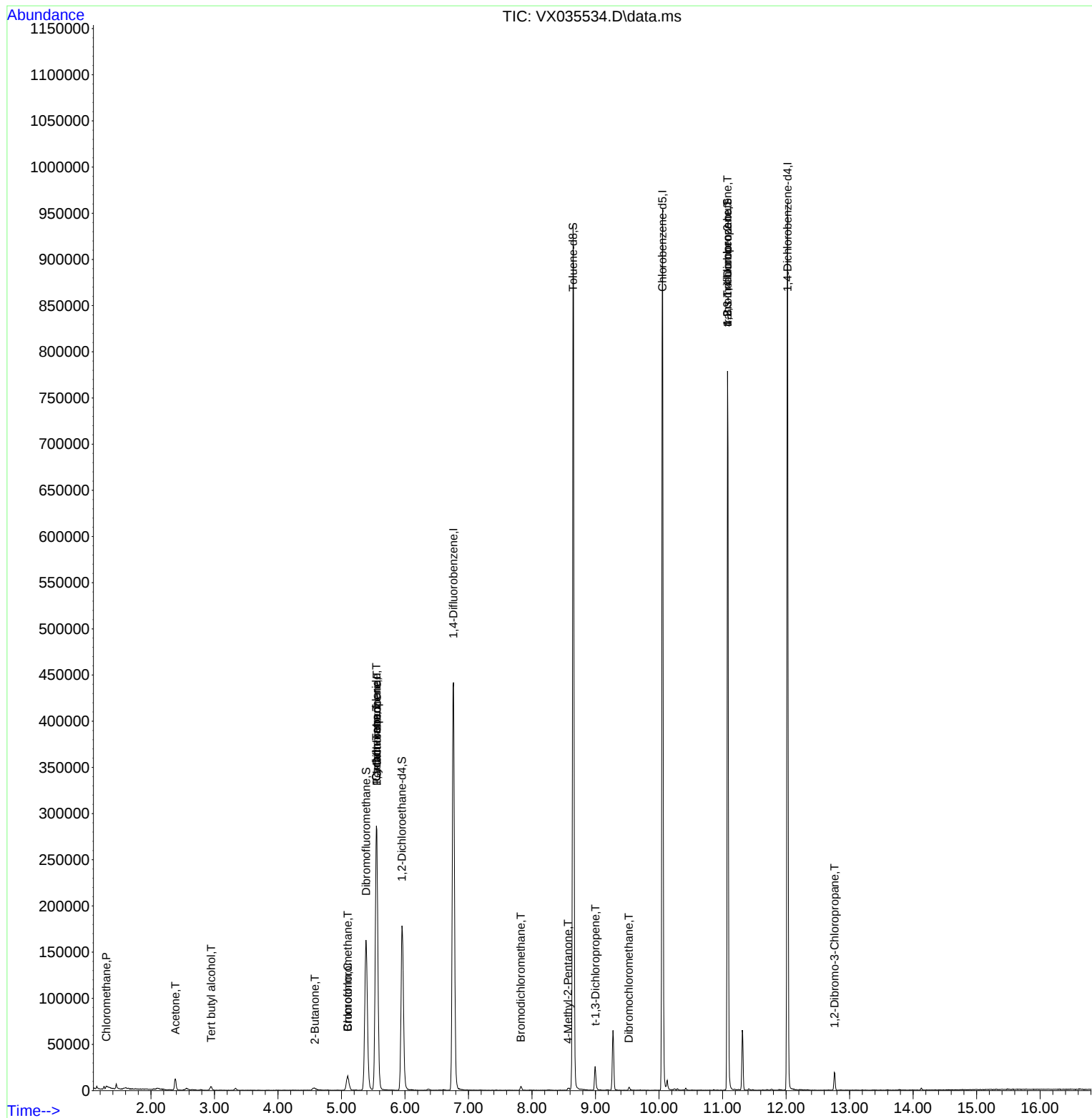
Internal Standards						
1) Pentafluorobenzene	5.556	168	280618	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	469568	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	430233	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	203759	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	172979	51.094	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 102.180%		
35) Dibromofluoromethane	5.385	113	144580	50.165	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 100.340%		
50) Toluene-d8	8.646	98	550385	50.624	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 101.240%		
62) 4-Bromofluorobenzene	11.079	95	213463	52.193	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 104.380%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	918	0.340	ug/l	98
11) Tert butyl alcohol	2.946	59	2785	4.518	ug/l #	73
16) Acetone	2.385	43	14379	9.779	ug/l	96
25) 2-Butanone	4.580	43	1123	0.523	ug/l #	77
28) Bromochloromethane	5.098	49	1400	0.614	ug/l #	15
30) Chloroform	5.098	83	18256	3.383	ug/l	92
31) Cyclohexane	5.549	56	5255	1.094	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	20450	4.544	ug/l #	52
38) Carbon Tetrachloride	5.549	117	27752	6.496	ug/l #	17
47) Bromodichloromethane	7.823	83	2994	0.727	ug/l #	83
51) 4-Methyl-2-Pentanone	8.567	43	3383	0.797	ug/l #	48
53) t-1,3-Dichloropropene	9.000	75	1904	0.443	ug/l #	85
60) Dibromochloromethane	9.524	129	649	0.208	ug/l	89
76) 1,2,3-Trichloropropane	11.079	75	104772	25.777	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	104772	83.487	ug/l #	8
92) 1,2-Dibromo-3-Chloropr...	12.762	75	414	0.447	ug/l #	20

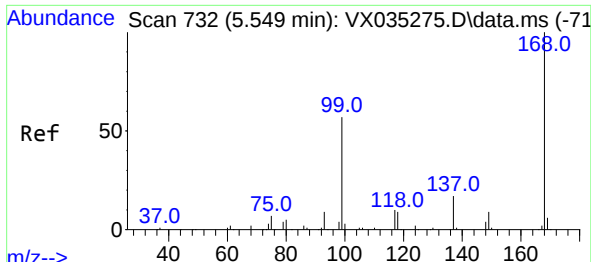
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 08 00:50:57 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 25 16:31:40 2023
Response via : Initial Calibration

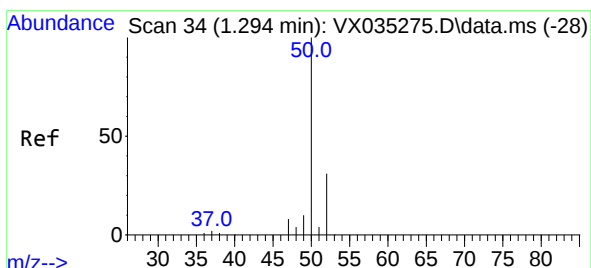
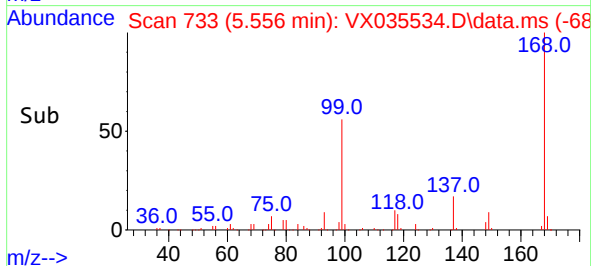
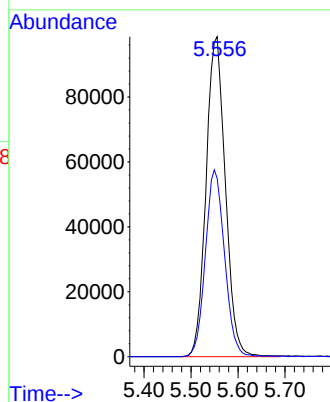
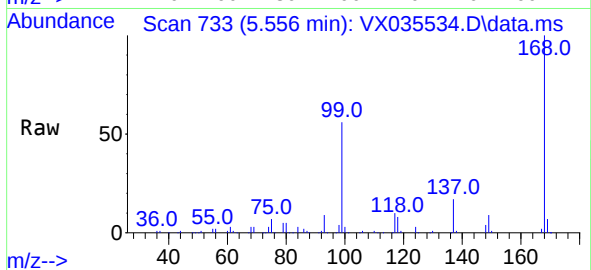




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX035534.D
Acq: 05 May 2023 14:28

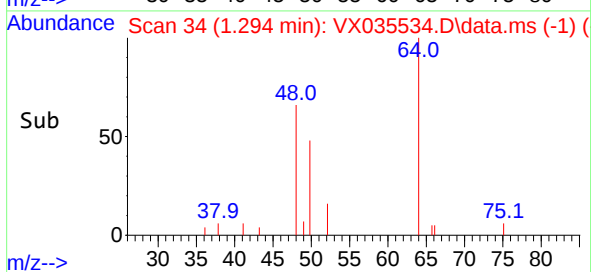
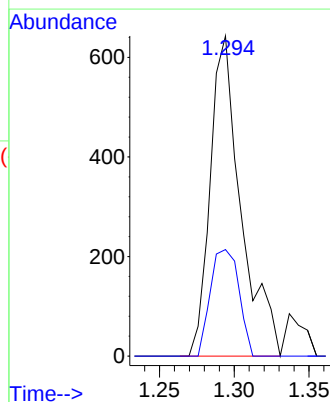
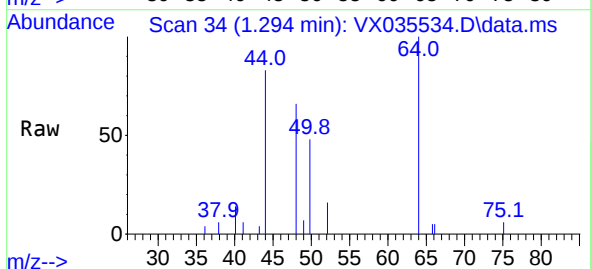
Instrument :
MSVOA_X
ClientSampleId :
001-2

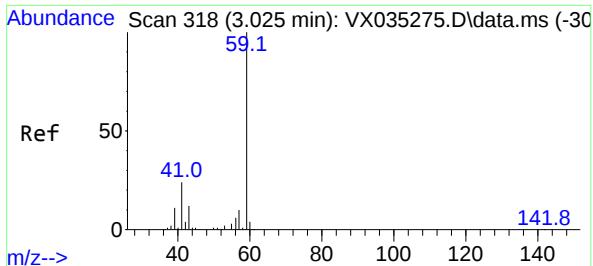
Tgt Ion:168 Resp: 280618
Ion Ratio Lower Upper
168 100
99 55.7 45.7 68.5



#3
Chloromethane
Concen: 0.340 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX035534.D
Acq: 05 May 2023 14:28

Tgt Ion: 50 Resp: 918
Ion Ratio Lower Upper
50 100
52 33.3 25.9 38.9





#11

Tert butyl alcohol

Concen: 4.518 ug/l

RT: 2.946 min Scan# 30

Delta R.T. -0.079 min

Lab File: VX035534.D

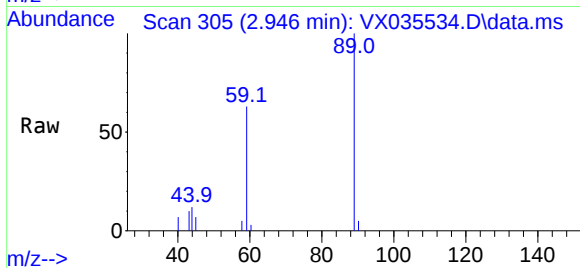
Acq: 05 May 2023 14:28

Instrument :

MSVOA_X

ClientSampleId :

001-2

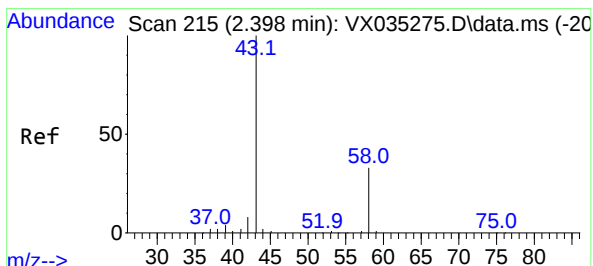
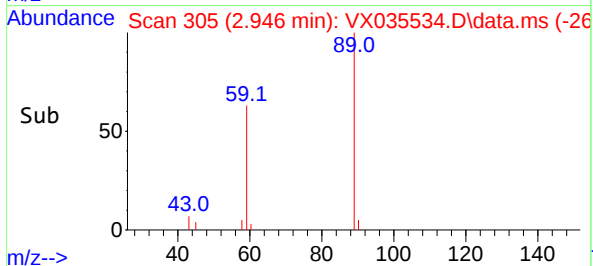
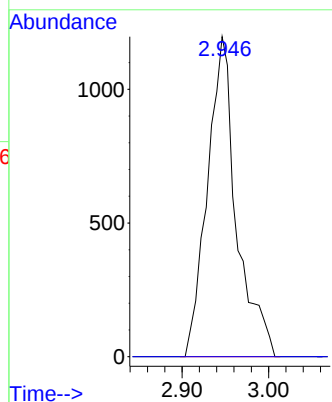


Tgt Ion: 59 Resp: 2785

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



#16

Acetone

Concen: 9.779 ug/l

RT: 2.385 min Scan# 213

Delta R.T. -0.013 min

Lab File: VX035534.D

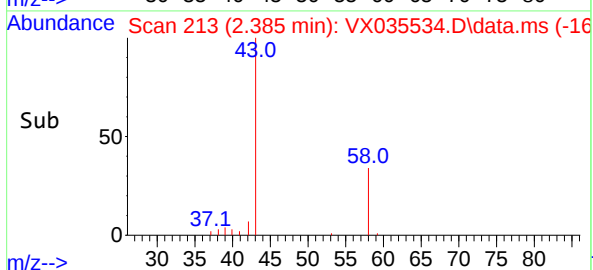
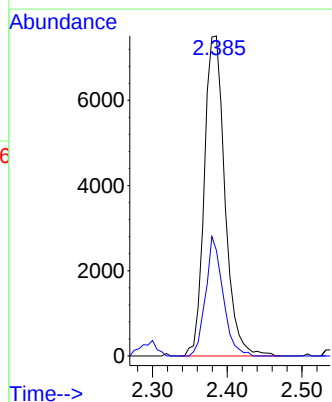
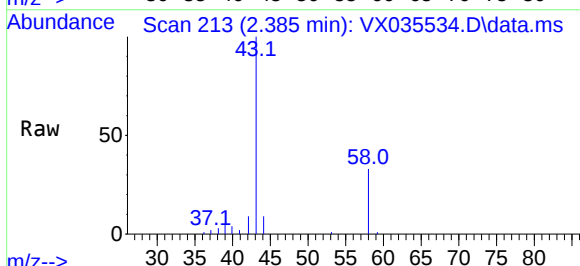
Acq: 05 May 2023 14:28

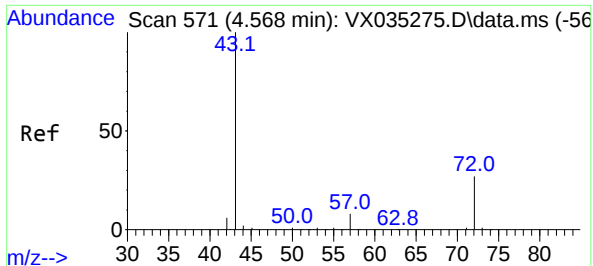
Tgt Ion: 43 Resp: 14379

Ion Ratio Lower Upper

43 100

58 33.0 24.7 37.1





#25

2-Butanone

Concen: 0.523 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX035534.D

Acq: 05 May 2023 14:28

Instrument :

MSVOA_X

ClientSampleId :

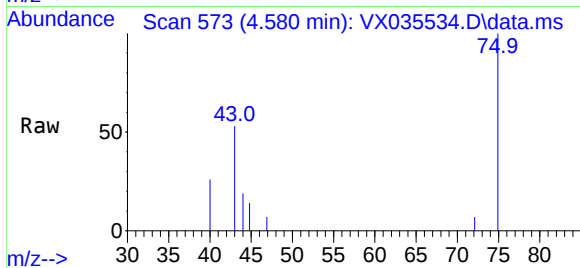
001-2

Tgt Ion: 43 Resp: 1123

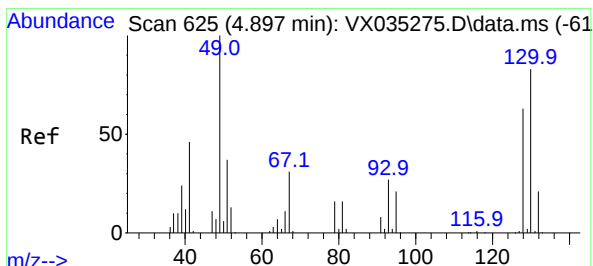
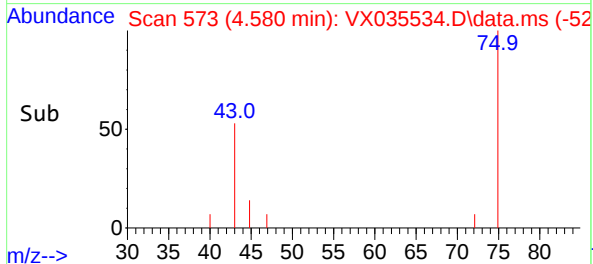
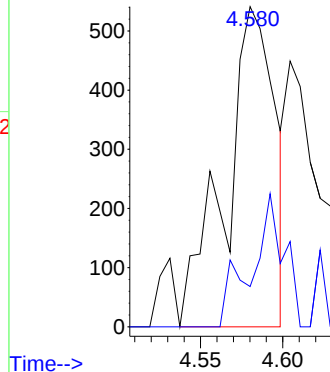
Ion Ratio Lower Upper

43 100

72 12.6 19.3 28.9#



Abundance



#28

Bromochloromethane

Concen: 0.614 ug/l

RT: 5.098 min Scan# 658

Delta R.T. 0.201 min

Lab File: VX035534.D

Acq: 05 May 2023 14:28

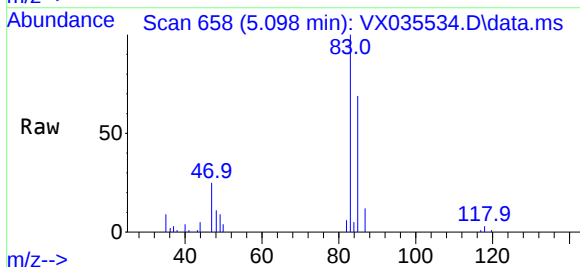
Tgt Ion: 49 Resp: 1400

Ion Ratio Lower Upper

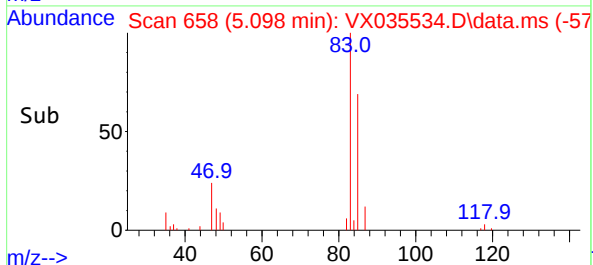
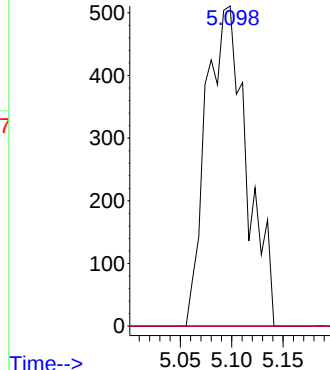
49 100

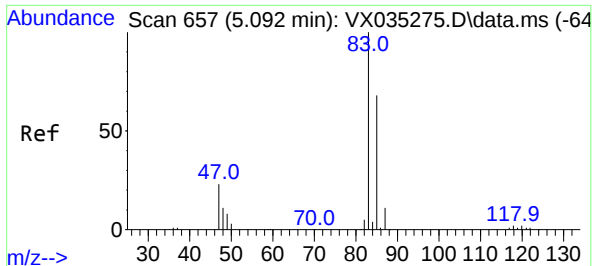
129 0.0 0.0 4.0

130 0.0 58.2 87.2#



Abundance





#30

Chloroform

Concen: 3.383 ug/l

RT: 5.098 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX035534.D

Acq: 05 May 2023 14:28

Instrument :

MSVOA_X

ClientSampleId :

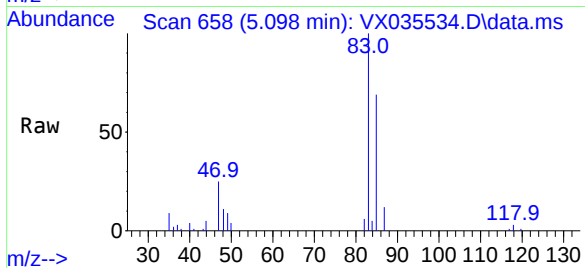
001-2

Tgt Ion: 83 Resp: 18256

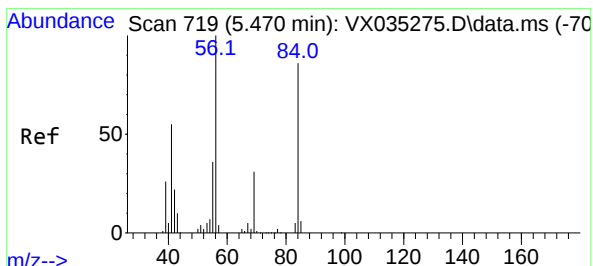
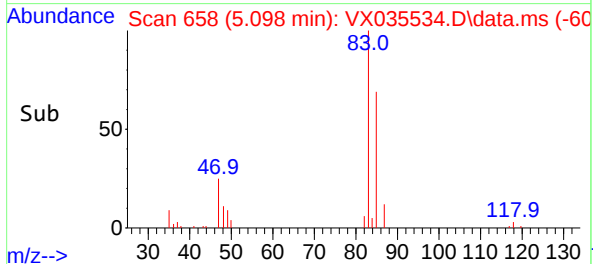
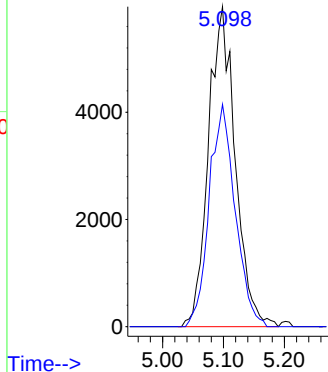
Ion Ratio Lower Upper

83 100

85 69.5 50.6 76.0



Abundance



#31

Cyclohexane

Concen: 1.094 ug/l

RT: 5.549 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX035534.D

Acq: 05 May 2023 14:28

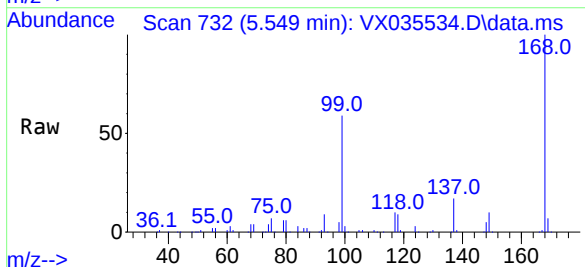
Tgt Ion: 56 Resp: 5255

Ion Ratio Lower Upper

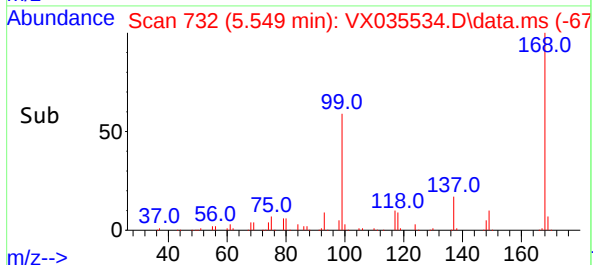
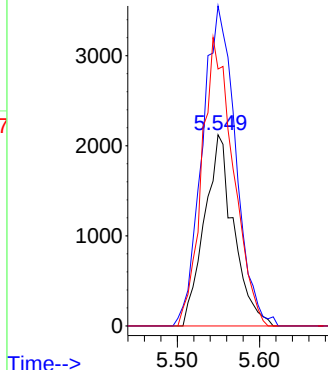
56 100

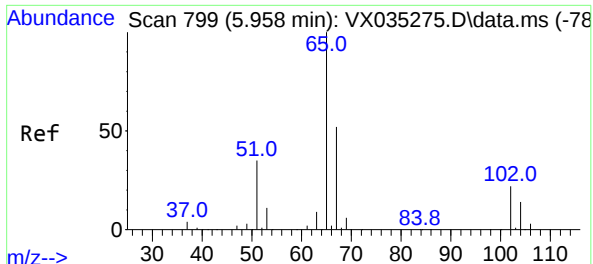
69 167.4 23.7 35.5#

84 134.4 68.5 102.7#



Abundance





#33

1,2-Dichloroethane-d4

Concen: 51.094 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX035534.D

Acq: 05 May 2023 14:28

Instrument :

MSVOA_X

ClientSampleId :

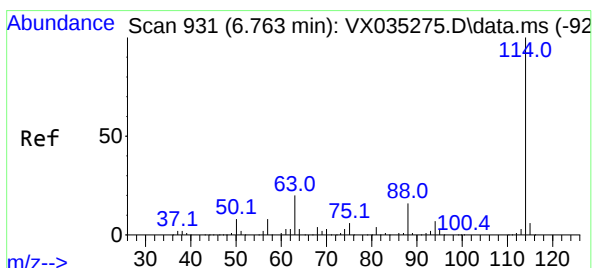
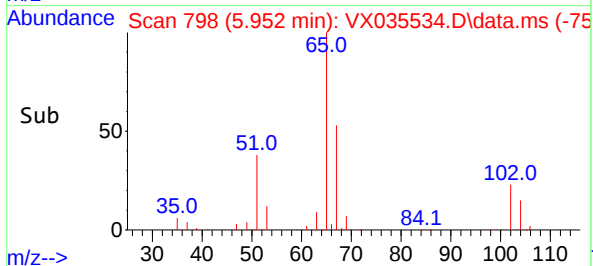
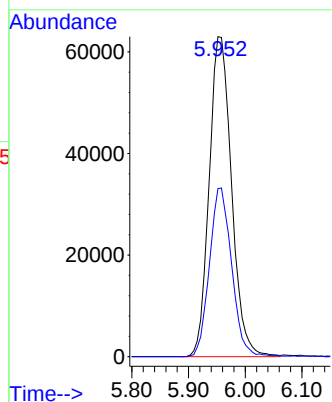
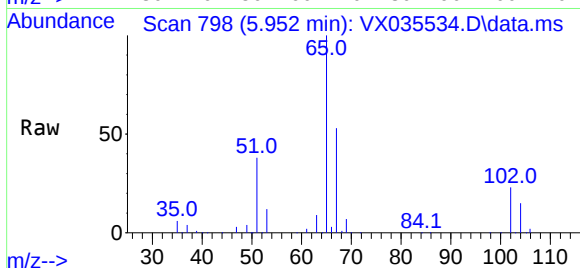
001-2

Tgt Ion: 65 Resp: 172979

Ion Ratio Lower Upper

65 100

67 52.3 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX035534.D

Acq: 05 May 2023 14:28

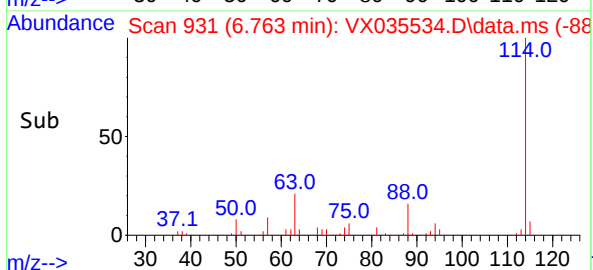
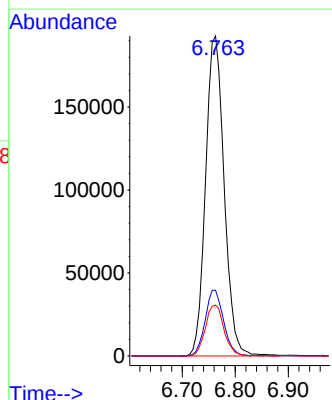
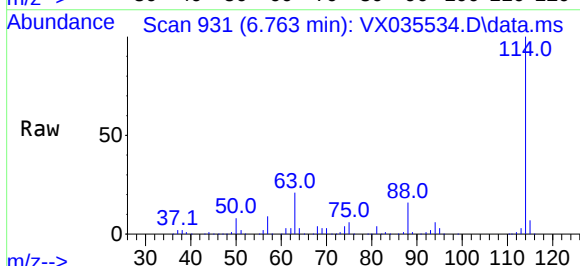
Tgt Ion: 114 Resp: 469568

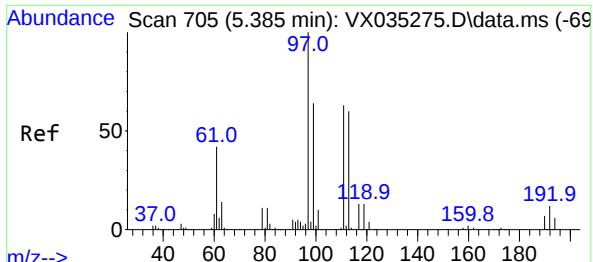
Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.2

88 15.8 0.0 33.2

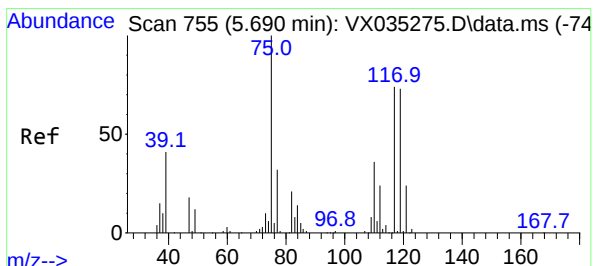
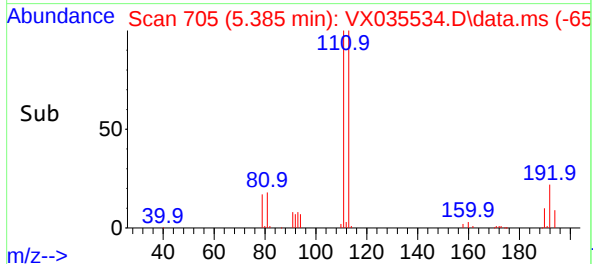
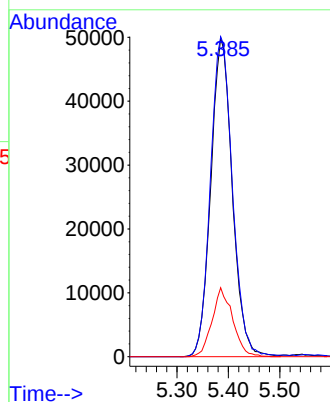
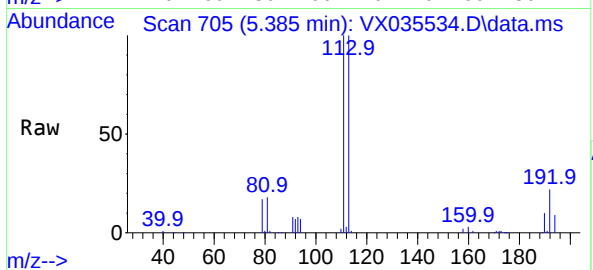




#35
Dibromofluoromethane
Concen: 50.165 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX035534.D
Acq: 05 May 2023 14:28

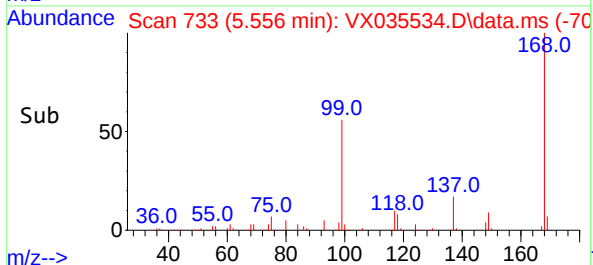
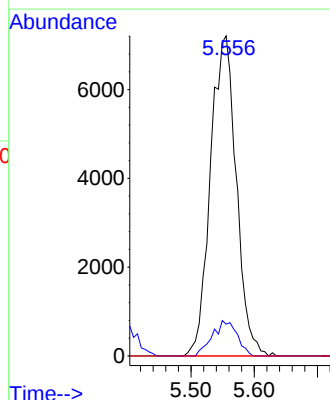
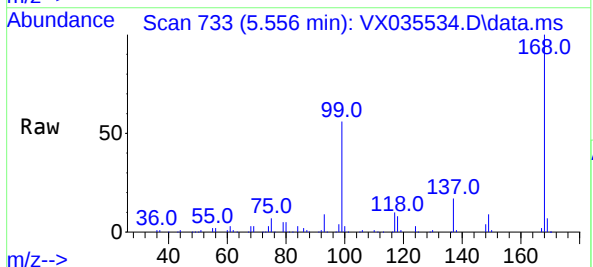
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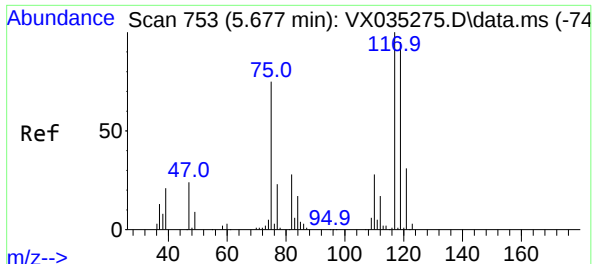
Tgt Ion:113 Resp: 144580
Ion Ratio Lower Upper
113 100
111 103.1 83.7 125.5
192 20.8 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.544 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX035534.D
Acq: 05 May 2023 14:28

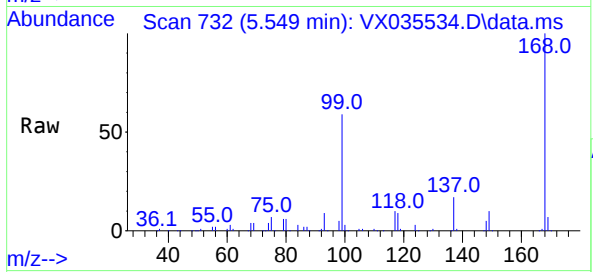
Tgt Ion: 75 Resp: 20450
Ion Ratio Lower Upper
75 100
110 10.5 17.5 52.5#
77 0.0 24.3 36.5#



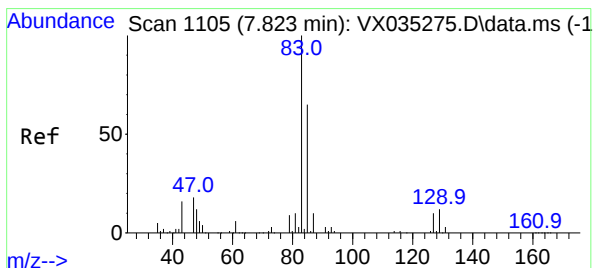
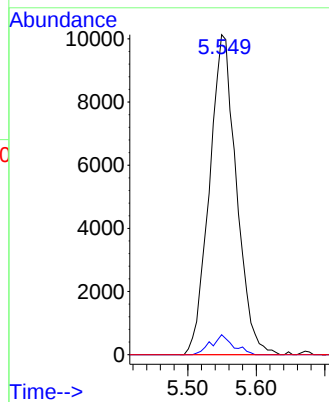
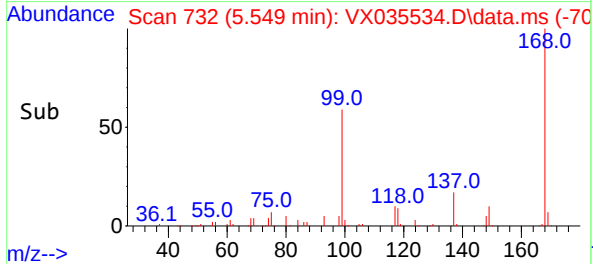


#38
Carbon Tetrachloride
Concen: 6.496 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX035534.D
Acq: 05 May 2023 14:28

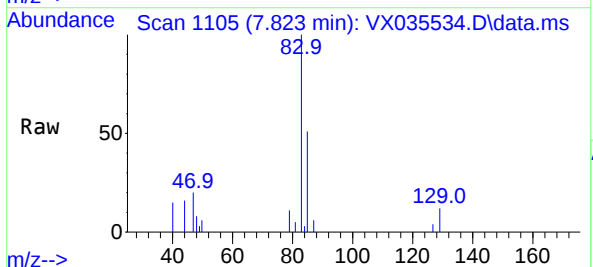
Instrument :
MSVOA_X
ClientSampleId :
001-2



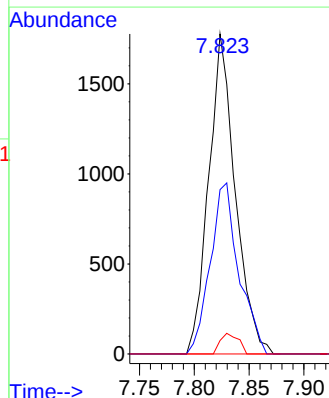
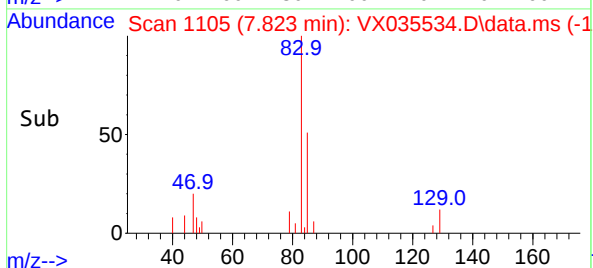
Tgt Ion:117 Resp: 27752
Ion Ratio Lower Upper
117 100
119 6.2 76.6 114.8#
121 0.0 23.8 35.6#

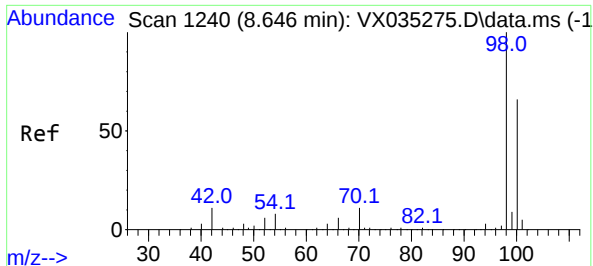


#47
Bromodichloromethane
Concen: 0.727 ug/l
RT: 7.823 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VX035534.D
Acq: 05 May 2023 14:28



Tgt Ion: 83 Resp: 2994
Ion Ratio Lower Upper
83 100
85 51.4 52.2 78.4#
127 4.2 6.6 9.8#

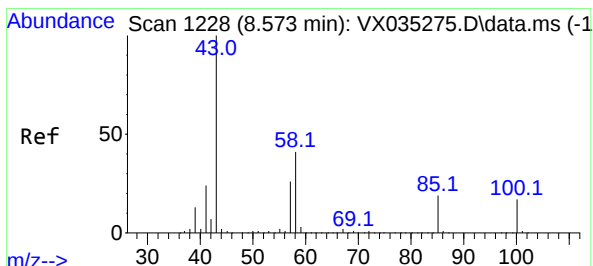
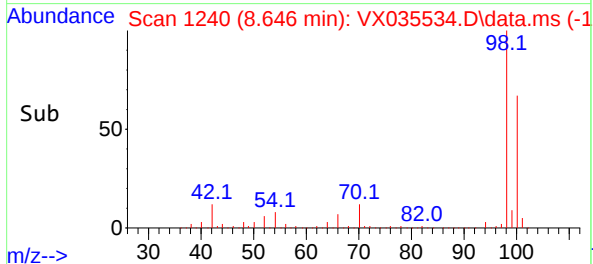
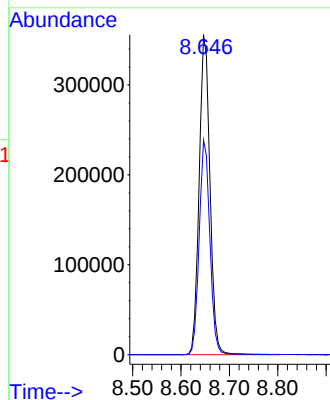
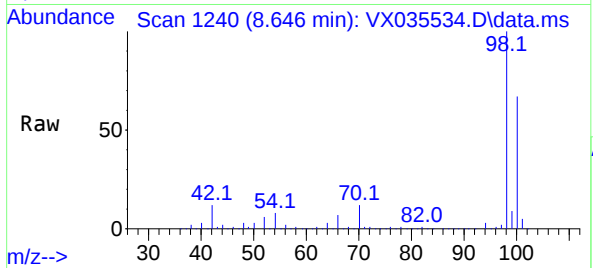




#50
Toluene-d8
Concen: 50.624 ug/l
RT: 8.646 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX035534.D
Acq: 05 May 2023 14:28

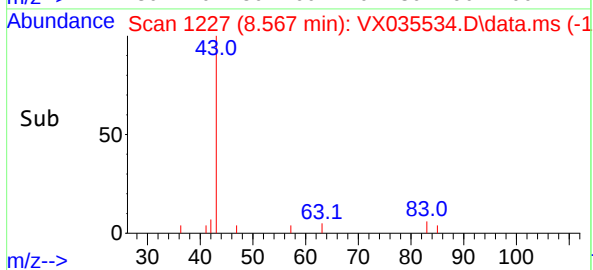
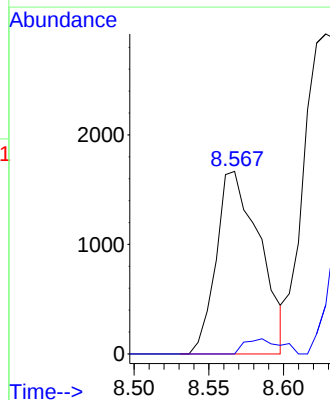
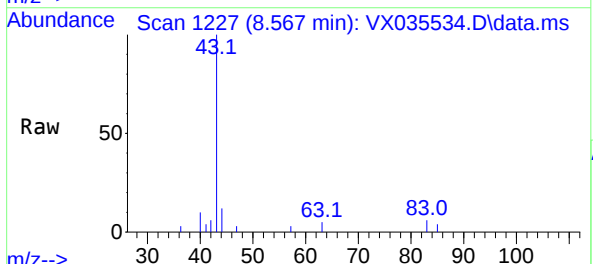
Instrument :
MSVOA_X
ClientSampleId :
001-2

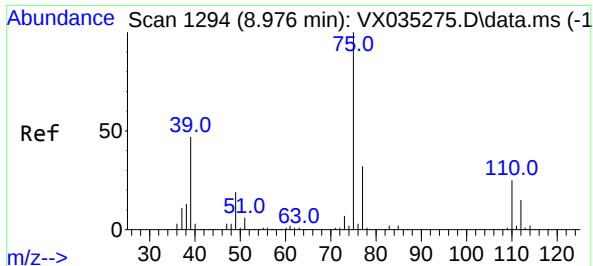
Tgt Ion: 98 Resp: 550385
Ion Ratio Lower Upper
98 100
100 66.4 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.797 ug/l
RT: 8.567 min Scan# 1227
Delta R.T. -0.006 min
Lab File: VX035534.D
Acq: 05 May 2023 14:28

Tgt Ion: 43 Resp: 3383
Ion Ratio Lower Upper
43 100
58 6.8 30.6 46.0#





#53

t-1,3-Dichloropropene

Concen: 0.443 ug/l

RT: 9.000 min Scan# 11

Delta R.T. 0.024 min

Lab File: VX035534.D

Acq: 05 May 2023 14:28

Instrument :

MSVOA_X

ClientSampleId :

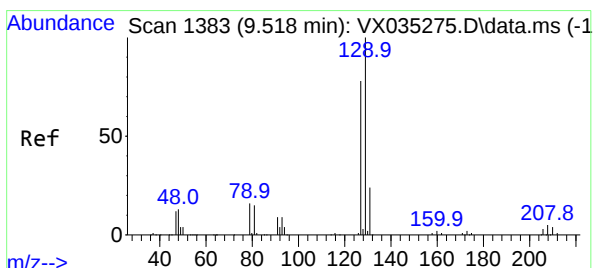
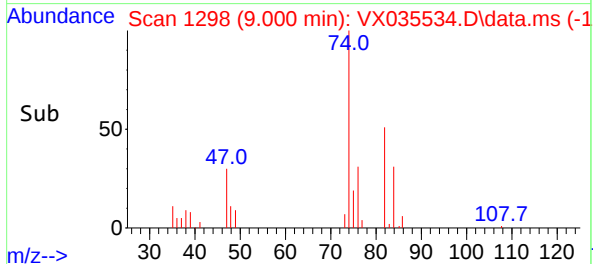
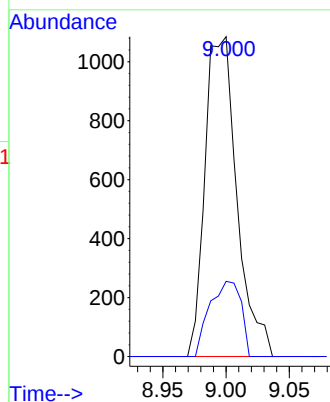
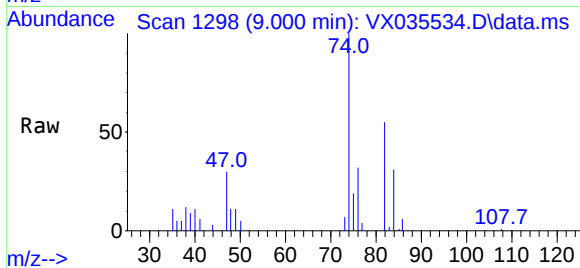
001-2

Tgt Ion: 75 Resp: 1904

Ion Ratio Lower Upper

75 100

77 23.5 25.4 38.2#



#60

Dibromochloromethane

Concen: 0.208 ug/l

RT: 9.524 min Scan# 1384

Delta R.T. 0.006 min

Lab File: VX035534.D

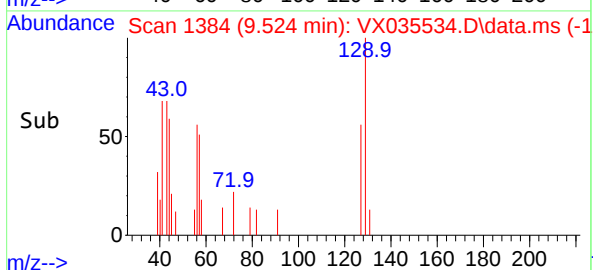
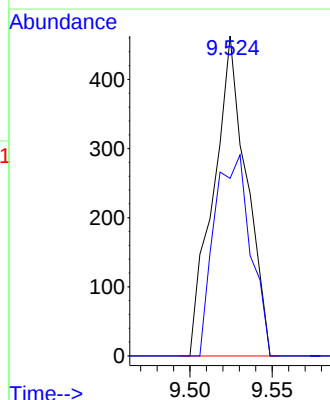
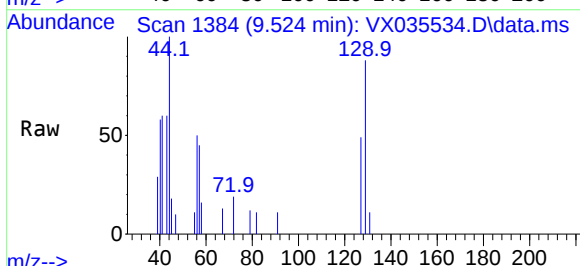
Acq: 05 May 2023 14:28

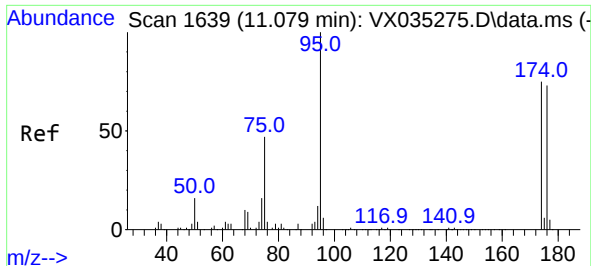
Tgt Ion: 129 Resp: 649

Ion Ratio Lower Upper

129 100

127 68.6 39.0 117.0

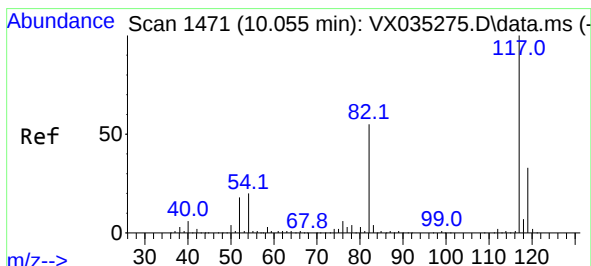
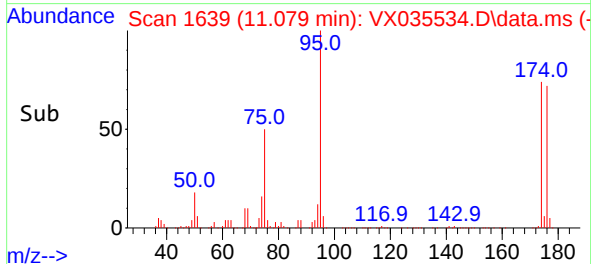
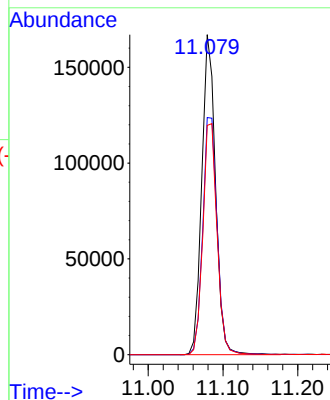
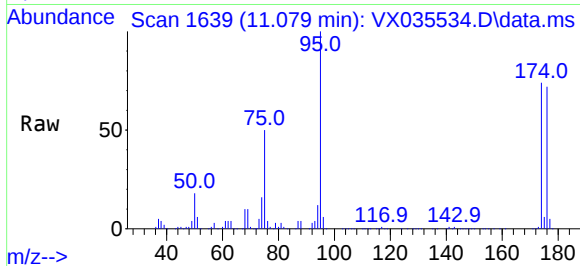




#62
4-Bromofluorobenzene
Concen: 52.193 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX035534.D
Acq: 05 May 2023 14:28

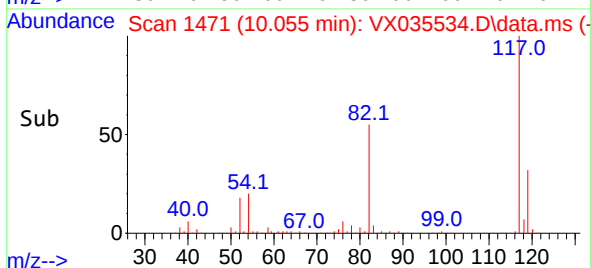
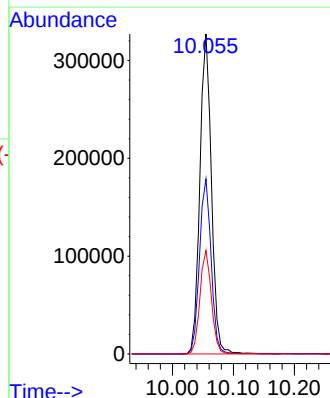
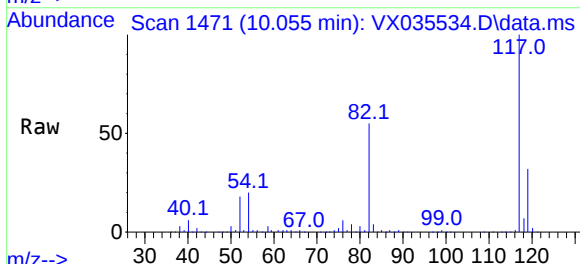
Instrument :
MSVOA_X
ClientSampleId :
001-2

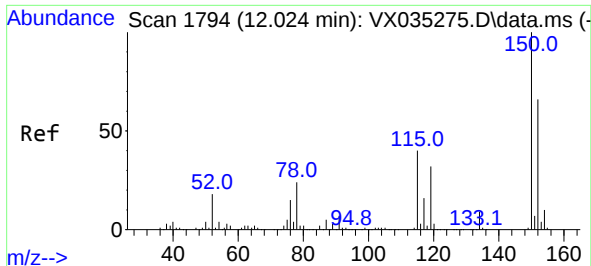
Tgt Ion: 95 Resp: 213463
Ion Ratio Lower Upper
95 100
174 77.6 0.0 147.4
176 74.6 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX035534.D
Acq: 05 May 2023 14:28

Tgt Ion: 117 Resp: 430233
Ion Ratio Lower Upper
117 100
82 54.7 45.0 67.4
119 32.3 26.0 39.0

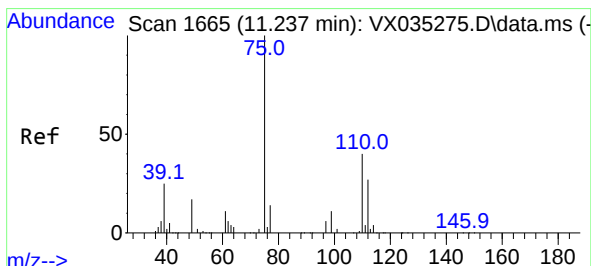
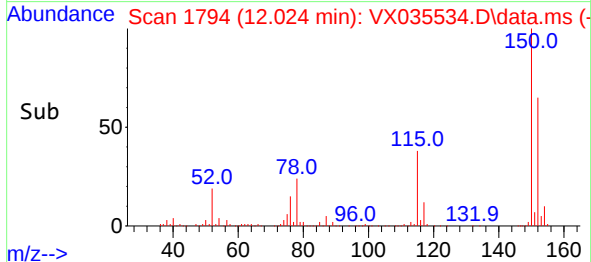
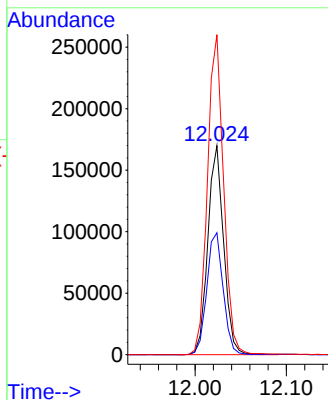
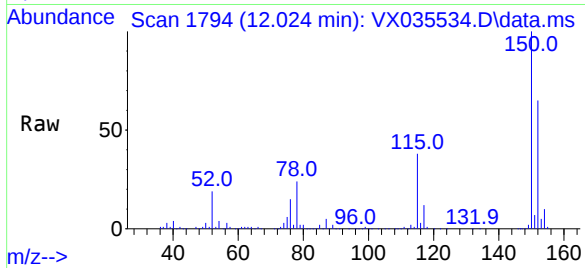




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX035534.D
Acq: 05 May 2023 14:28

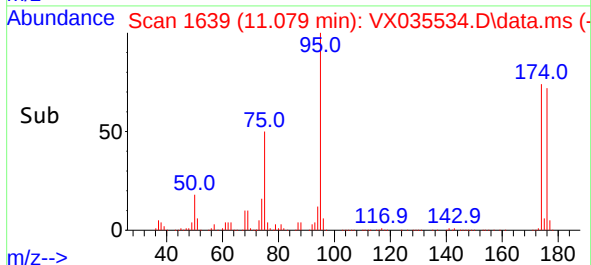
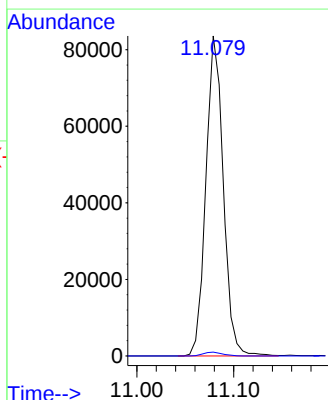
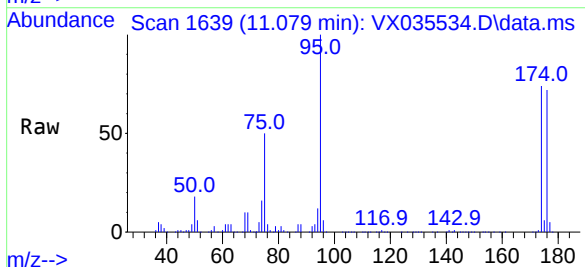
Instrument :
MSVOA_X
ClientSampleId :
001-2

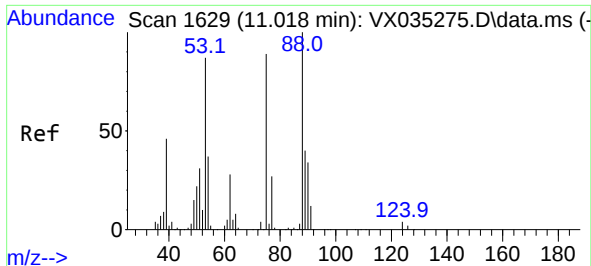
Tgt Ion:152 Resp: 203759
Ion Ratio Lower Upper
152 100
115 60.5 45.0 135.0
150 156.4 0.0 352.4



#76
1,2,3-Trichloropropane
Concen: 25.777 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX035534.D
Acq: 05 May 2023 14:28

Tgt Ion: 75 Resp: 104772
Ion Ratio Lower Upper
75 100
77 1.3 21.6 64.8#

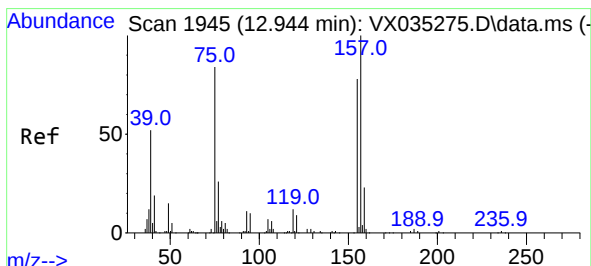
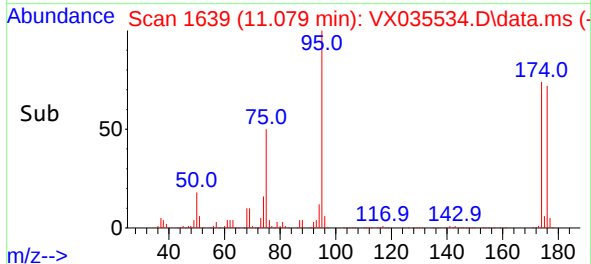
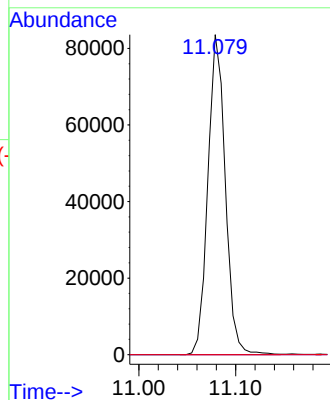
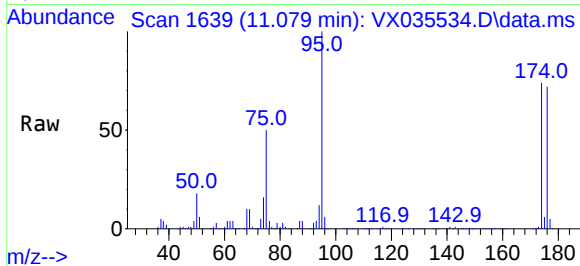




#81
trans-1,4-Dichloro-2-butene
Concen: 83.487 ug/l
RT: 11.079 min Scan# 1100
Delta R.T. 0.061 min
Lab File: VX035534.D
Acq: 05 May 2023 14:28

Instrument :
MSVOA_X
ClientSampleId :
001-2

Tgt Ion: 75 Resp: 104772
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.447 ug/l
RT: 12.762 min Scan# 1915
Delta R.T. -0.182 min
Lab File: VX035534.D
Acq: 05 May 2023 14:28

Tgt Ion: 75 Resp: 414
Ion Ratio Lower Upper
75 100
155 29.2 38.4 115.1#
157 0.0 49.9 149.7#

