

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011924\
 Data File : VW033745.D
 Acq On : 19 Jan 2024 11:27
 Operator : SY/MD
 Sample : P1160-10
 Misc : 10.0g/10mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 19 22:21:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM011024WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 19 22:20:26 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	286237	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	260383	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	130668	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	83910	38.143	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.280%
7) Chloroethane-d5	1.532	69	59666	34.249	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	68.500%#
11) 1,1-Dichloroethene-d2	2.043	65	41521	43.856	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.720%
21) 2-Butanone-d5	3.812	46	80067	53.063	ug/L	0.03
Spiked Amount	100.000	Range	40 - 130	Recovery	=	53.060%
24) Chloroform-d	4.249	84	175927	44.724	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.440%
26) 1,2-Dichloroethane-d4	4.940	65	112037	44.081	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.160%
32) Benzene-d6	4.957	84	329040	44.450	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.900%
36) 1,2-Dichloropropane-d6	5.989	67	102053	41.882	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.760%
41) Toluene-d8	7.243	98	301221	45.162	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.320%
43) trans-1,3-Dichloroprop...	7.555	79	54522	45.274	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.540%
47) 2-Hexanone-d5	8.034	63	27418	27.127	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	27.130%#
56) 1,1,2,2-Tetrachloroeth...	10.162	84	120104	38.610	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	77.220%
66) 1,2-Dichlorobenzene-d4	11.564	152	107592	43.399	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.800%
Target Compounds						
					Qvalue	
6) Bromomethane	1.490	94	1880	1.389	ug/L	96
13) Acetone	2.134	43	283948	196.819	ug/L	100
15) Methyl Acetate	2.381	43	24583	10.420	ug/L #	100
16) Methylene chloride	2.442	84	60468	28.854	ug/L	94
17) trans-1,2-Dichloroethene	2.687	96	144721	75.418	ug/L	95
25) Chloroform	4.275	83	286676	77.072	ug/L	99
27) 1,2-Dichloroethane	5.040	62	165830	53.377	ug/L	99
33) Benzene	5.005	78	724745	94.765	ug/L	100
34) Trichloroethene	5.828	95	388096	189.175	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	231872	65.978	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	230153	73.806	ug/L	99
42) Toluene	7.313	91	874863	108.215	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	417298	128.853	ug/L	100
45) 1,1,2-Trichloroethane	7.770	97	189577	99.280	ug/L	98
46) Tetrachloroethene	7.908	164	5228	3.474	ug/L	94
49) Dibromochloromethane	8.178	129	389534	195.868	ug/L	99
50) 1,2-Dibromoethane	8.281	107	190039	94.175	ug/L #	100
53) m,p-Xylene	9.072	106	436751	126.341	ug/L	100
54) o-Xylene	9.480	106	238418	69.665	ug/L	99

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

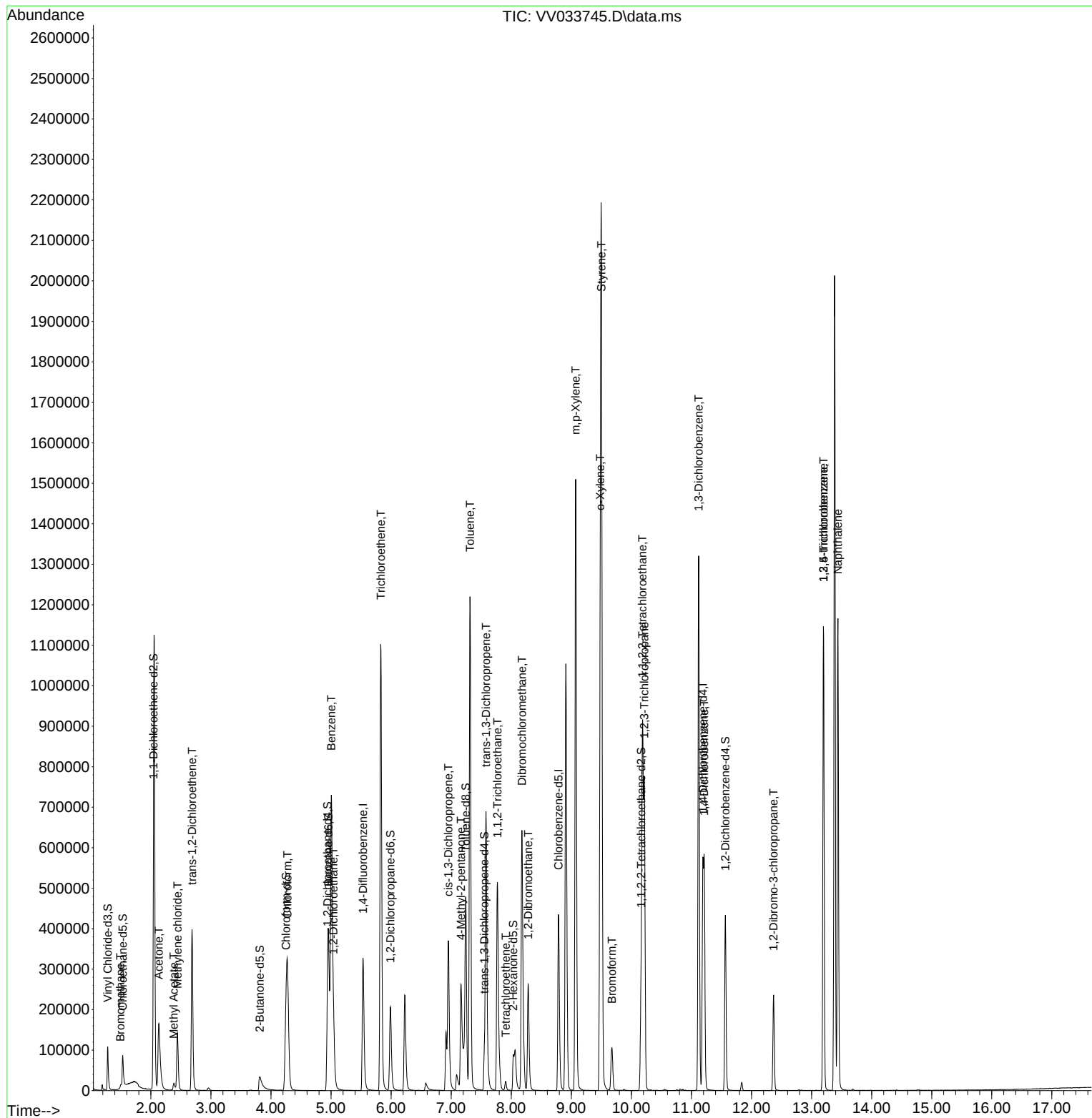
55) Styrene	9.500	104	1045148	176.883	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	471663	155.209	ug/L	99
59) Bromoform	9.673	173	60232	43.371	ug/L	97
61) 1,2,3-Trichloropropane	10.217	75	323804	139.630	ug/L	97
64) 1,3-Dichlorobenzene	11.120	146	515862	129.179	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	213834	53.403	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.368	75	59045	88.233	ug/L	97
69) 1,3,5-Trichlorobenzene	13.197	180	321178	108.839	ug/L	100
70) 1,2,4-trichlorobenzene	13.197	180	321178	119.914	ug/L	99
71) Naphthalene	13.439	128	848464	121.228	ug/L	100

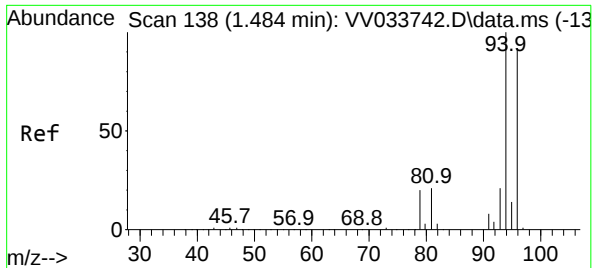
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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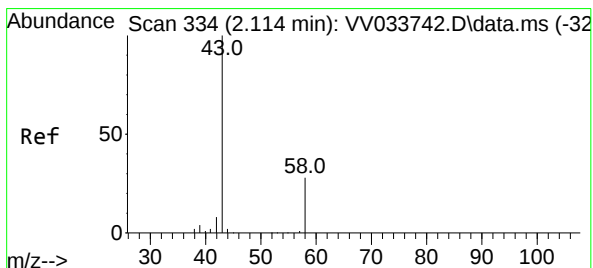
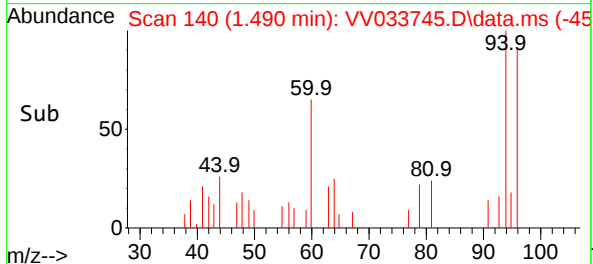
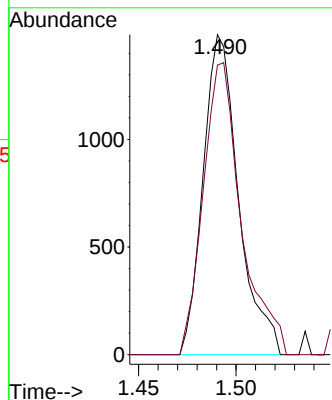
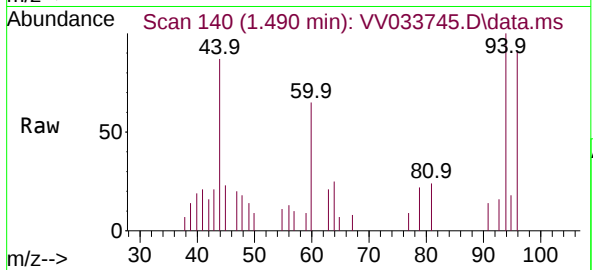




#6
Bromomethane
Concen: 1.389 ug/L
RT: 1.490 min Scan# 14
Delta R.T. 0.006 min
Lab File: VV033745.D
Acq: 19 Jan 2024 11:27

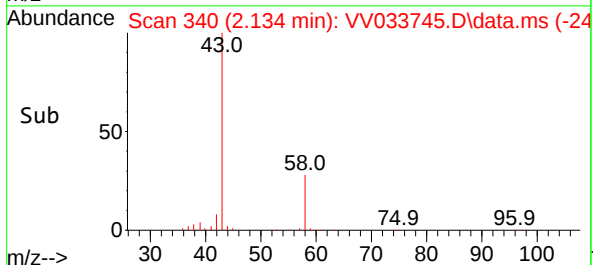
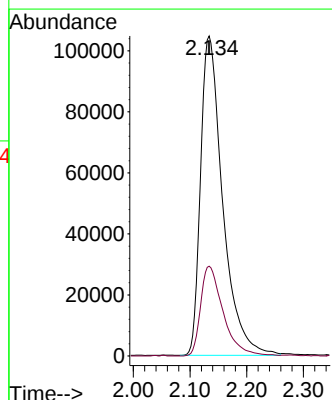
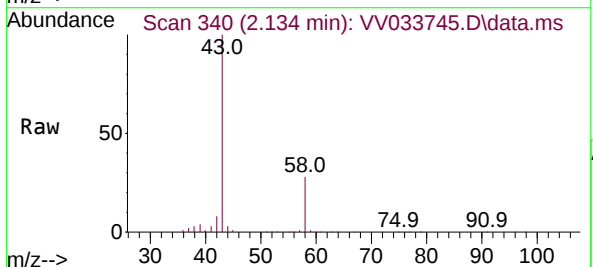
Instrument :
MSVOA_V
ClientSampleId :

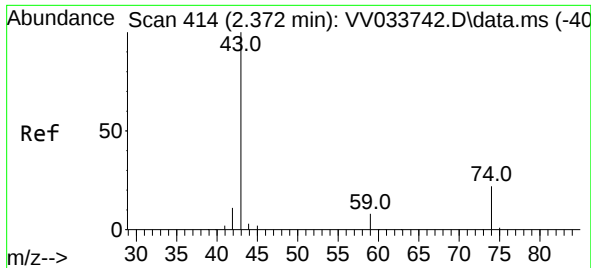
Tgt Ion: 94 Resp: 1880
Ion Ratio Lower Upper
94 100
96 90.5 66.4 123.2



#13
Acetone
Concen: 196.819 ug/L
RT: 2.134 min Scan# 340
Delta R.T. 0.019 min
Lab File: VV033745.D
Acq: 19 Jan 2024 11:27

Tgt Ion: 43 Resp: 283948
Ion Ratio Lower Upper
43 100
58 28.5 0.0 57.2





#15

Methyl Acetate

Concen: 10.420 ug/L

RT: 2.381 min Scan# 41

Delta R.T. 0.010 min

Lab File: VV033745.D

Acq: 19 Jan 2024 11:27

Instrument :

MSVOA_V

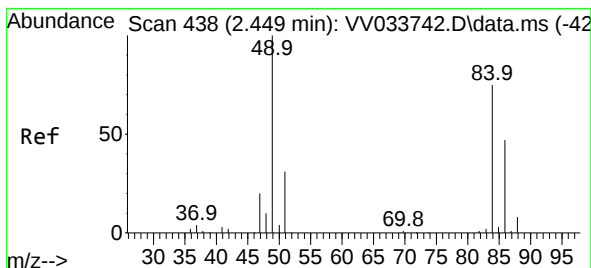
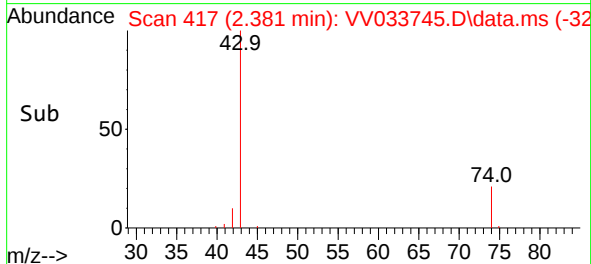
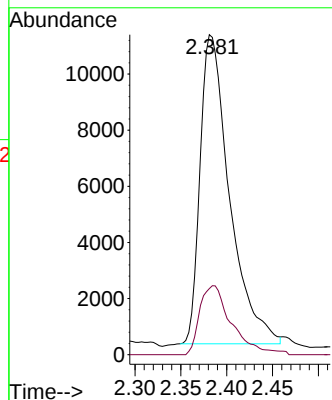
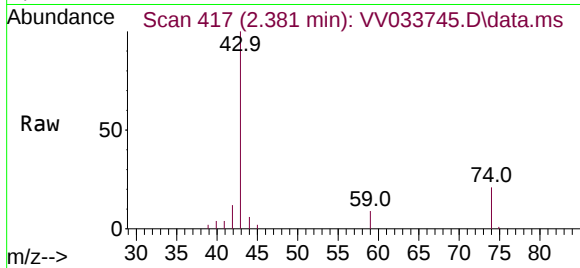
ClientSampleId :

Tgt Ion: 43 Resp: 24583

Ion Ratio Lower Upper

43 100

74 24.0 0.0 0.0#



#16

Methylene chloride

Concen: 28.854 ug/L

RT: 2.442 min Scan# 436

Delta R.T. -0.007 min

Lab File: VV033745.D

Acq: 19 Jan 2024 11:27

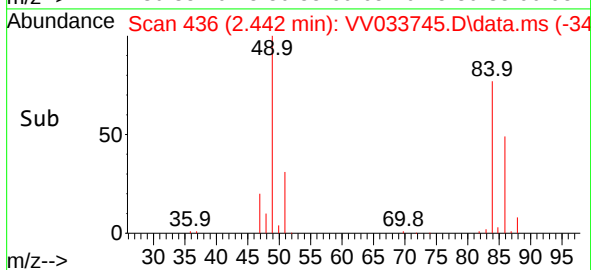
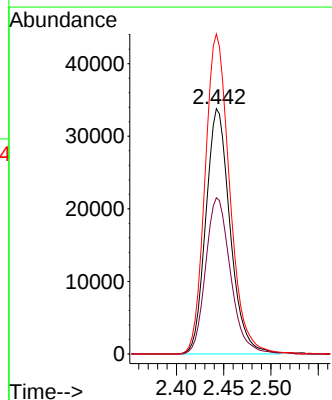
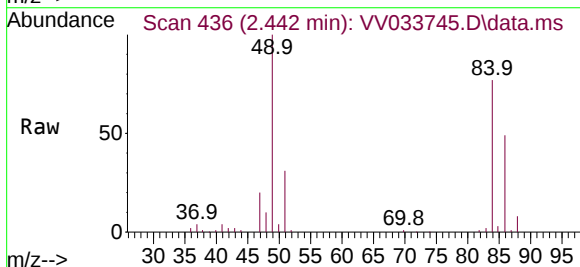
Tgt Ion: 84 Resp: 60468

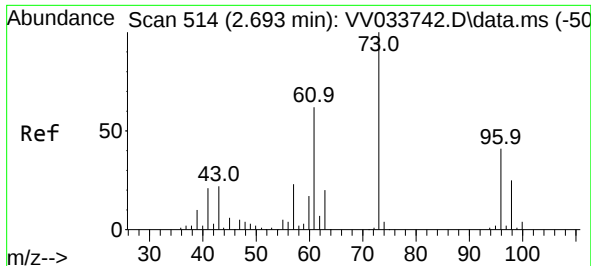
Ion Ratio Lower Upper

84 100

86 63.7 43.9 81.5

49 130.5 98.3 182.5

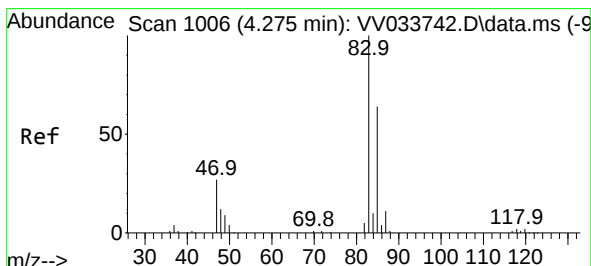
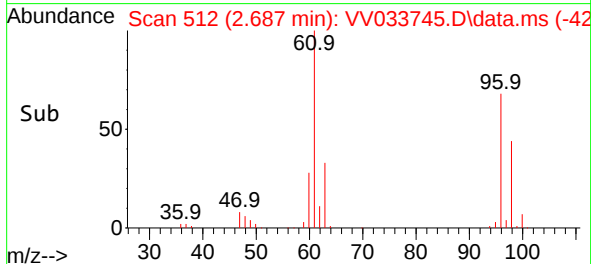
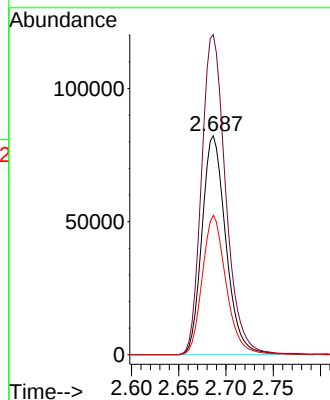
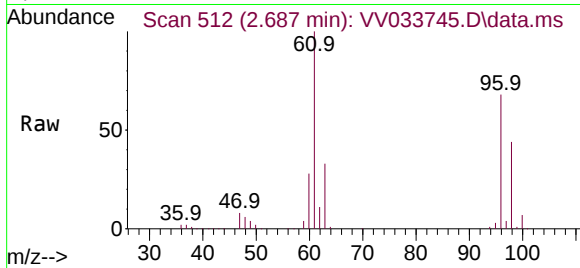




#17
trans-1,2-Dichloroethene
Concen: 75.418 ug/L
RT: 2.687 min Scan# 514
Delta R.T. -0.007 min
Lab File: VV033745.D
Acq: 19 Jan 2024 11:27

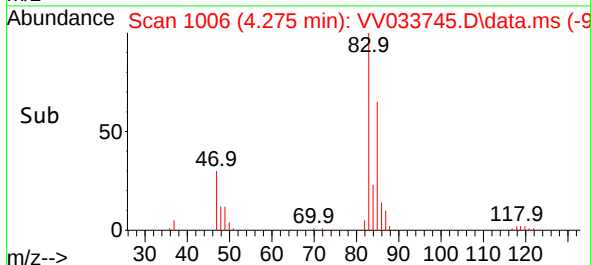
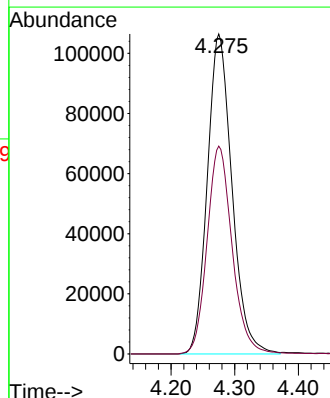
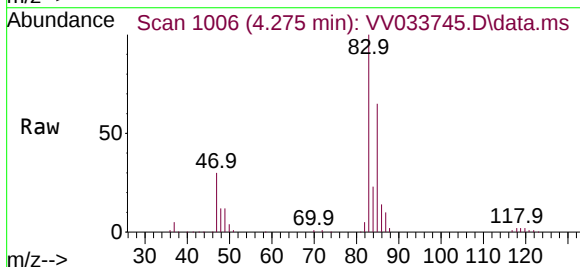
Instrument :
MSVOA_V
ClientSampleId :

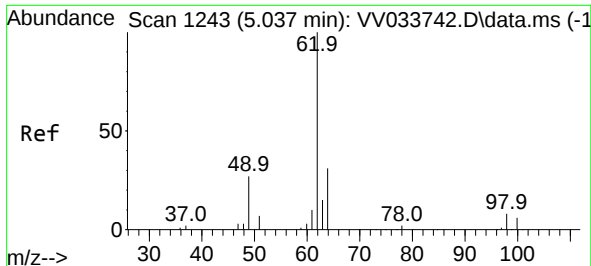
Tgt Ion: 96 Resp: 144721
Ion Ratio Lower Upper
96 100
61 146.2 108.4 201.4
98 63.6 43.8 81.4



#25
Chloroform
Concen: 77.072 ug/L
RT: 4.275 min Scan# 1006
Delta R.T. -0.000 min
Lab File: VV033745.D
Acq: 19 Jan 2024 11:27

Tgt Ion: 83 Resp: 286676
Ion Ratio Lower Upper
83 100
85 65.0 45.1 83.9

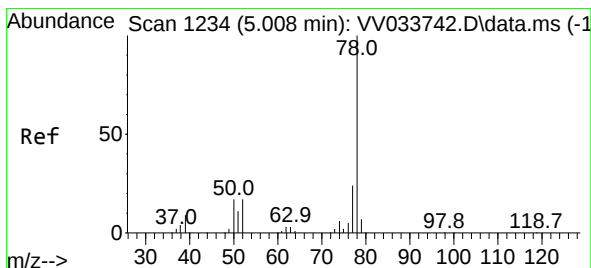
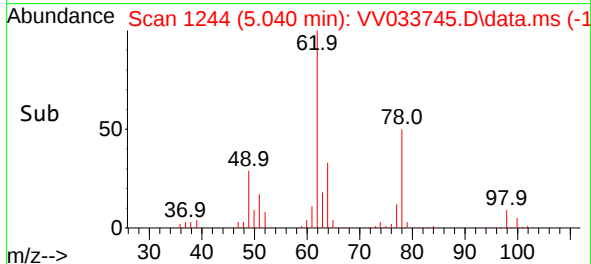
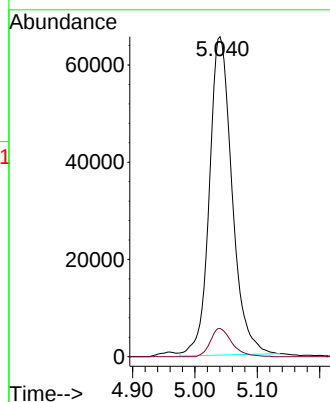
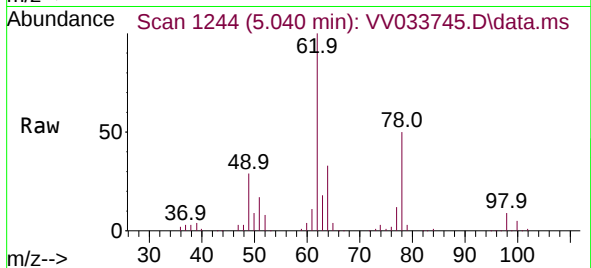




#27
1,2-Dichloroethane
Concen: 53.377 ug/L
RT: 5.040 min Scan# 1244
Delta R.T. 0.003 min
Lab File: VV033745.D
Acq: 19 Jan 2024 11:27

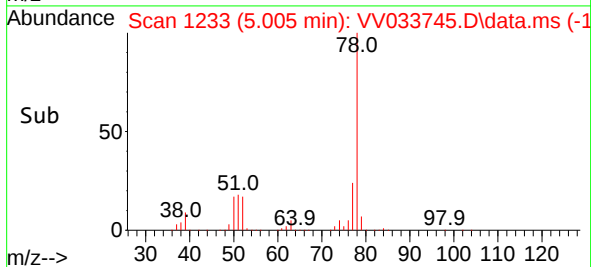
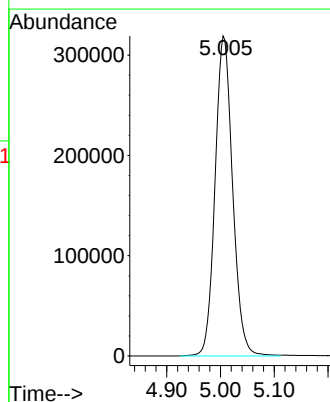
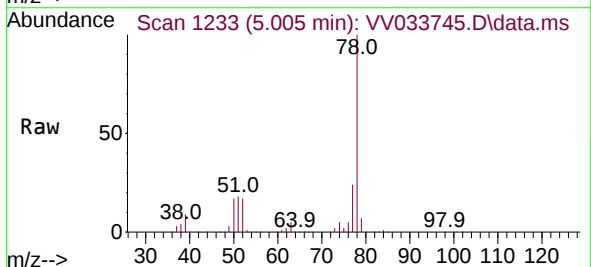
Instrument :
MSVOA_V
ClientSampleId :

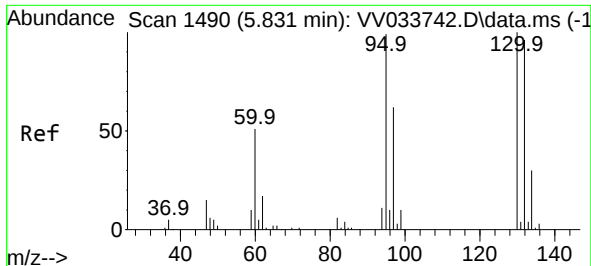
Tgt Ion: 62 Resp: 165830
Ion Ratio Lower Upper
62 100
98 8.8 6.8 10.2



#33
Benzene
Concen: 94.765 ug/L
RT: 5.005 min Scan# 1233
Delta R.T. -0.003 min
Lab File: VV033745.D
Acq: 19 Jan 2024 11:27

Tgt Ion: 78 Resp: 724745





#34

Trichloroethene

Concen: 189.175 ug/L

RT: 5.828 min Scan# 14

Delta R.T. -0.003 min

Lab File: VV033745.D

Acq: 19 Jan 2024 11:27

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 388096

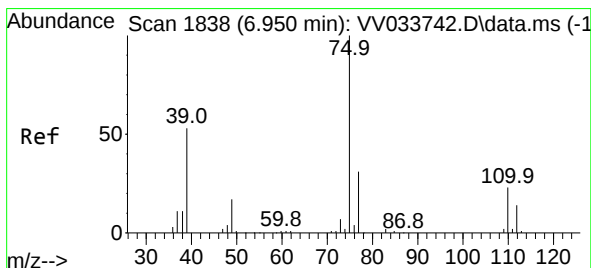
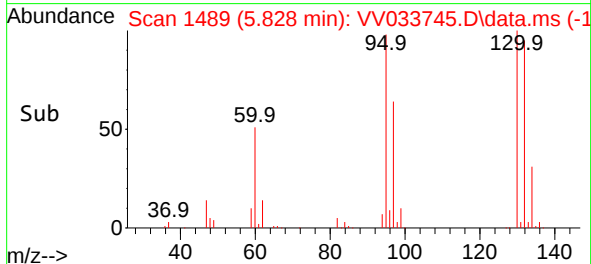
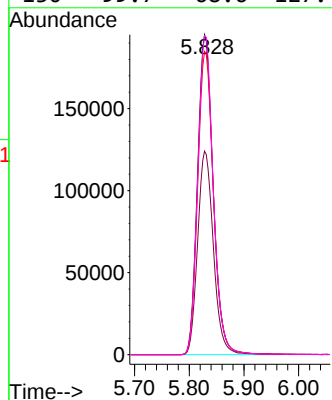
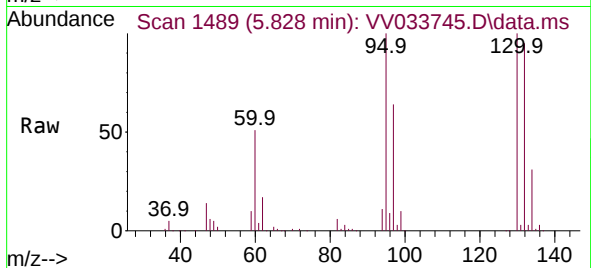
Ion Ratio Lower Upper

95 100

97 63.6 44.4 82.4

132 94.8 65.5 121.7

130 99.7 68.6 127.4



#39

cis-1,3-Dichloropropene

Concen: 65.978 ug/L

RT: 6.953 min Scan# 1839

Delta R.T. 0.003 min

Lab File: VV033745.D

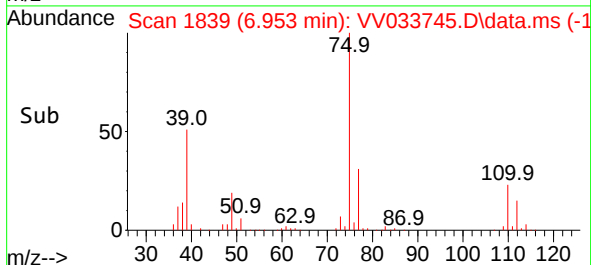
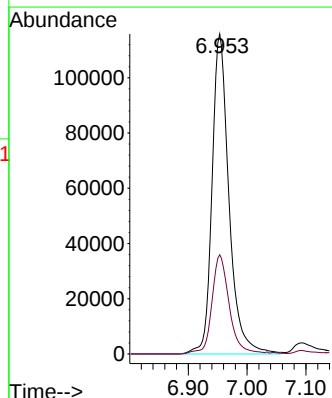
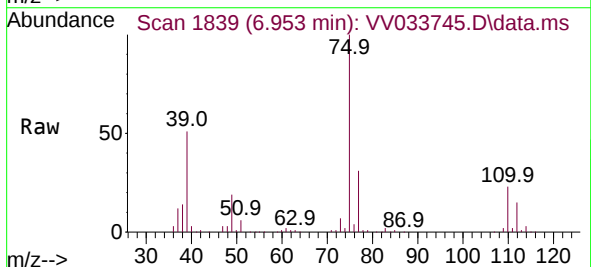
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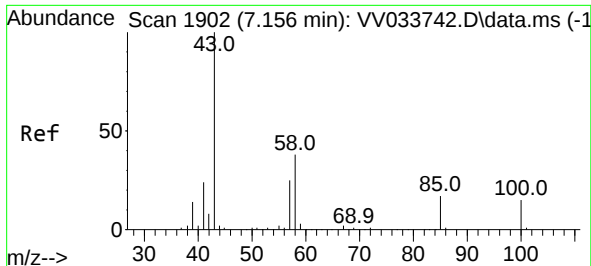
Tgt Ion: 75 Resp: 231872

Ion Ratio Lower Upper

75 100

77 31.0 22.0 41.0





#40

4-Methyl-2-pentanone

Concen: 73.806 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VV033745.D

Acq: 19 Jan 2024 11:27

Instrument :

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ClientSampleId :

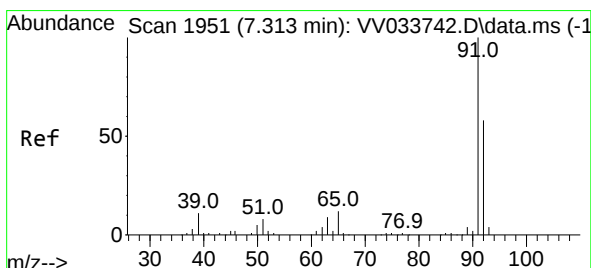
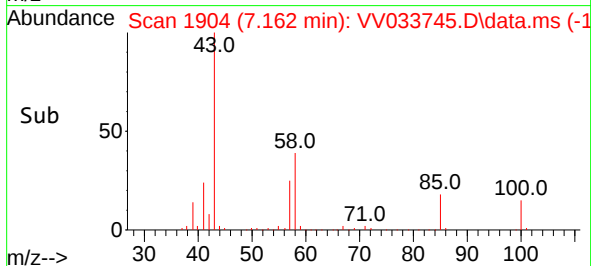
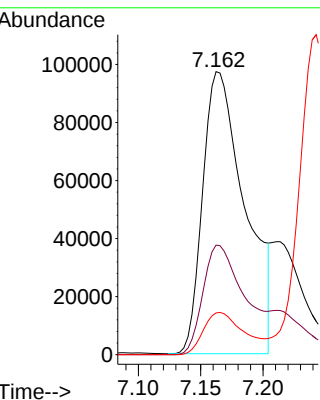
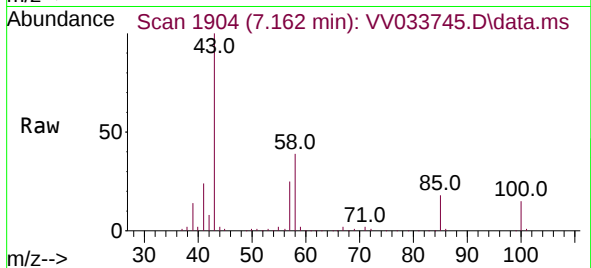
Tgt Ion: 43 Resp: 230153

Ion Ratio Lower Upper

43 100

58 37.6 29.6 44.4

100 14.4 10.6 16.0



#42

Toluene

Concen: 108.215 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VV033745.D

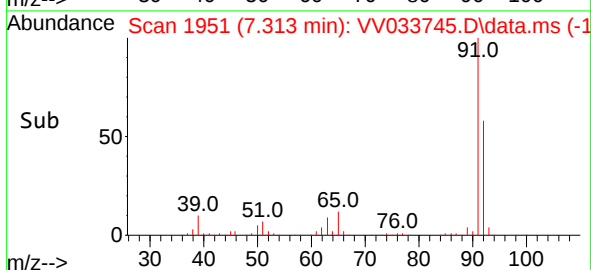
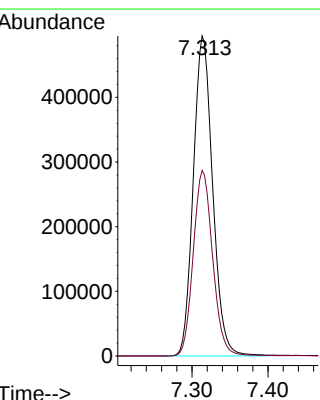
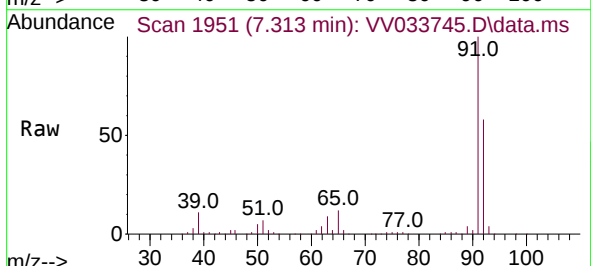
Acq: 19 Jan 2024 11:27

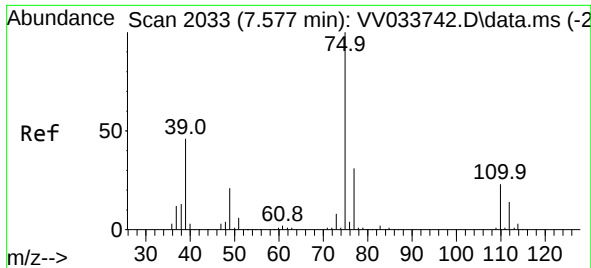
Tgt Ion: 91 Resp: 874863

Ion Ratio Lower Upper

91 100

92 58.0 41.2 76.6

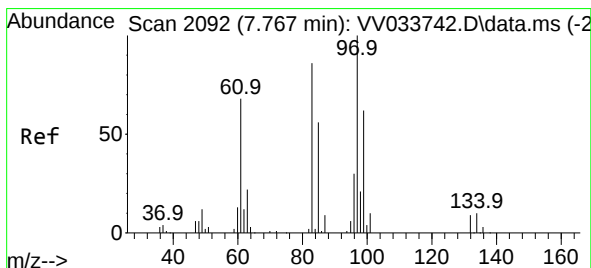
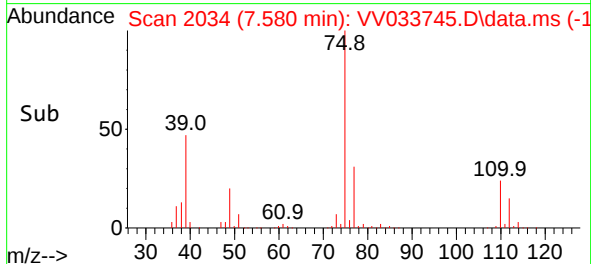
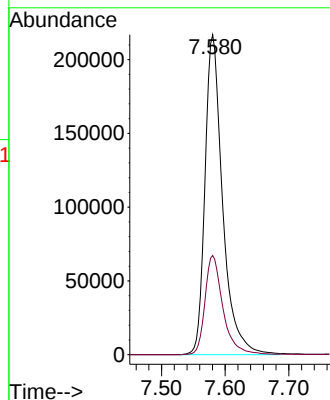
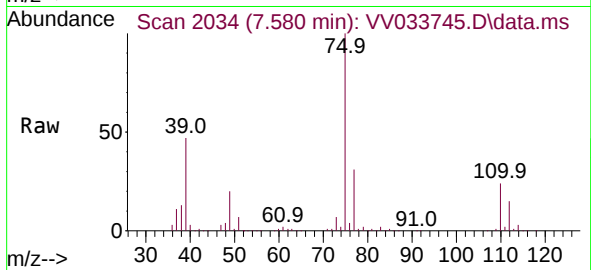




#44
trans-1,3-Dichloropropene
Concen: 128.853 ug/L
RT: 7.580 min Scan# 2033
Delta R.T. 0.003 min
Lab File: VV033745.D
Acq: 19 Jan 2024 11:27

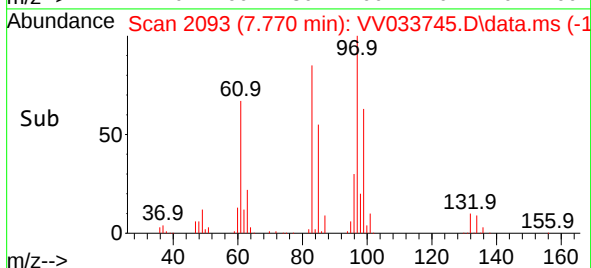
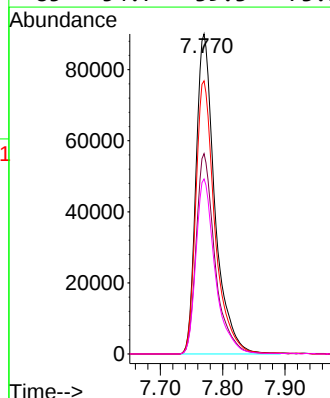
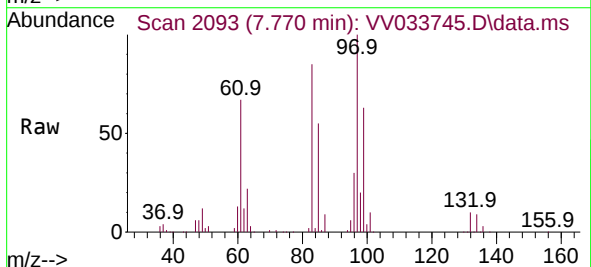
Instrument :
MSVOA_V
ClientSampleId :

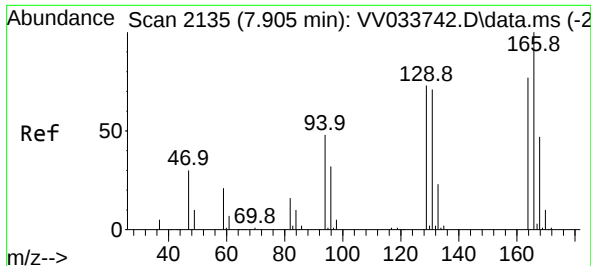
Tgt Ion: 75 Resp: 417298
Ion Ratio Lower Upper
75 100
77 31.0 21.6 40.0



#45
1,1,2-Trichloroethane
Concen: 99.280 ug/L
RT: 7.770 min Scan# 2093
Delta R.T. 0.003 min
Lab File: VV033745.D
Acq: 19 Jan 2024 11:27

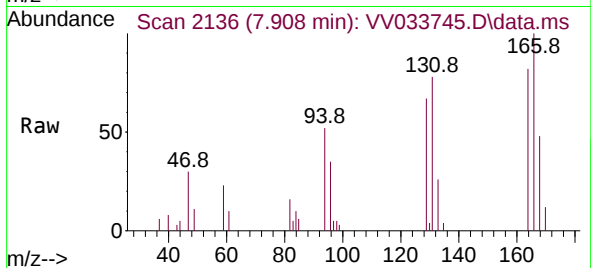
Tgt Ion: 97 Resp: 189577
Ion Ratio Lower Upper
97 100
99 62.6 42.8 79.6
83 85.4 61.2 113.8
85 54.7 39.3 73.1





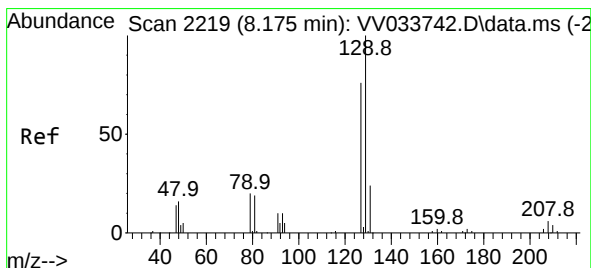
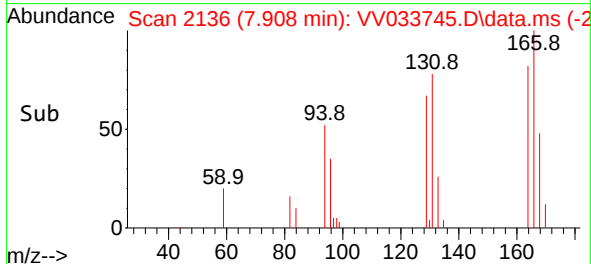
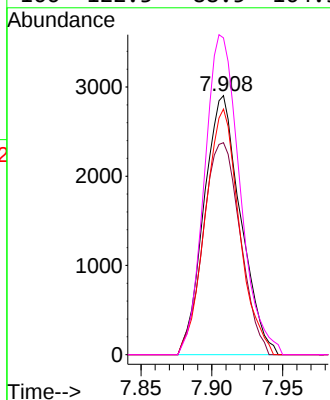
#46
Tetrachloroethene
Concen: 3.474 ug/L
RT: 7.908 min Scan# 2135
Delta R.T. 0.003 min
Lab File: VV033745.D
Acq: 19 Jan 2024 11:27

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:164 Resp: 5228

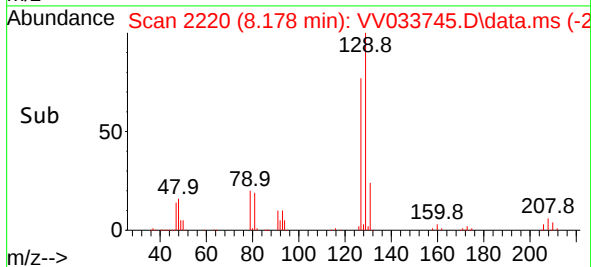
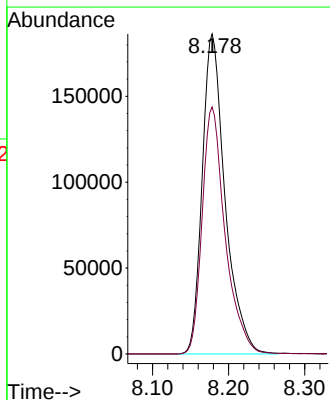
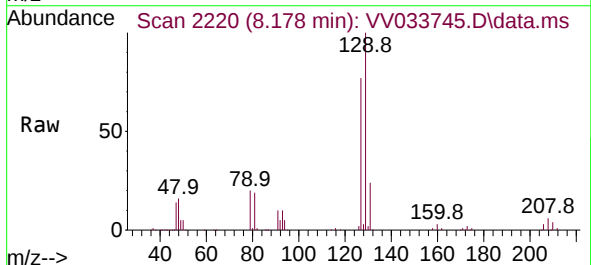
Ion	Ratio	Lower	Upper
164	100		
129	81.8	66.1	122.7
131	94.8	65.9	122.5
166	122.3	88.5	164.3

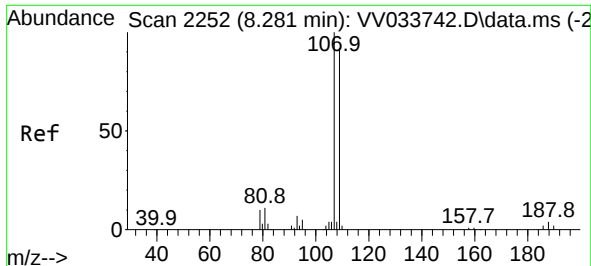


#49
Dibromochloromethane
Concen: 195.868 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.003 min
Lab File: VV033745.D
Acq: 19 Jan 2024 11:27

Tgt Ion:129 Resp: 389534

Ion	Ratio	Lower	Upper
129	100		
127	77.2	54.5	101.3





#50

1,2-Dibromoethane

Concen: 94.175 ug/L

RT: 8.281 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV033745.D

Acq: 19 Jan 2024 11:27

Instrument :

MSVOA_V

ClientSampleId :

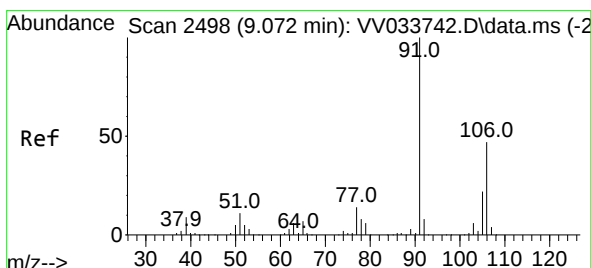
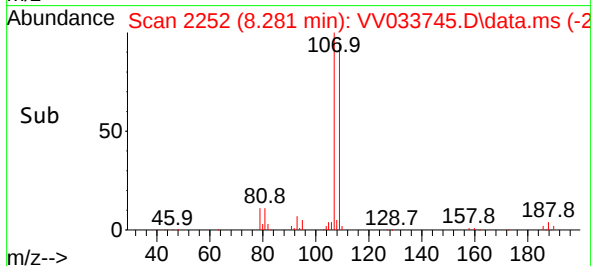
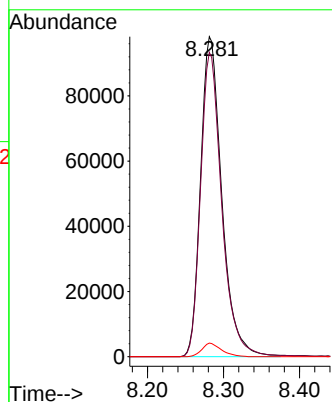
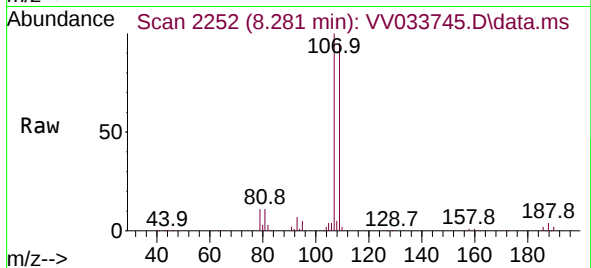
Tgt Ion:107 Resp: 190039

Ion Ratio Lower Upper

107 100

109 95.1 66.4 123.4

188 4.2 2.7 4.1#



#53

m,p-Xylene

Concen: 126.341 ug/L

RT: 9.072 min Scan# 2498

Delta R.T. -0.000 min

Lab File: VV033745.D

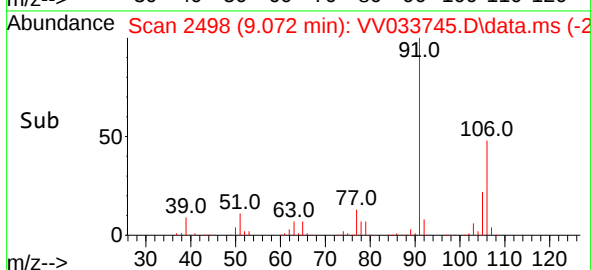
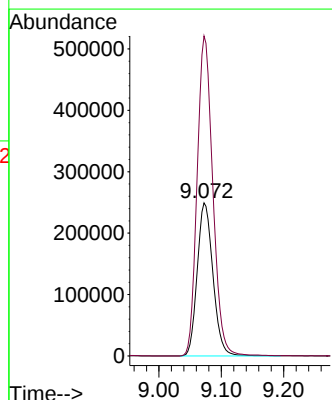
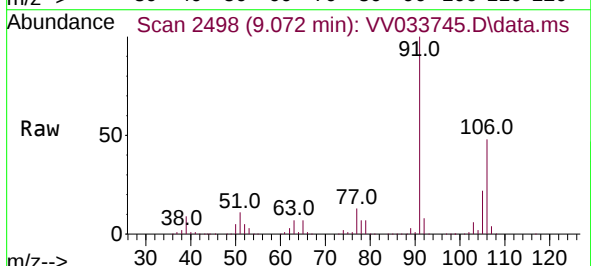
Acq: 19 Jan 2024 11:27

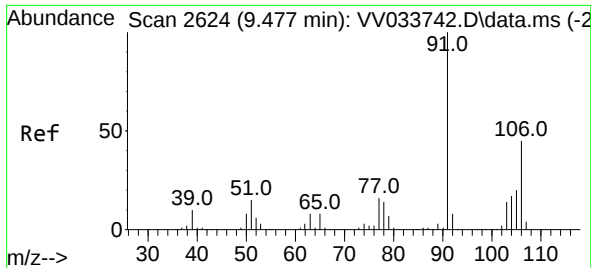
Tgt Ion:106 Resp: 436751

Ion Ratio Lower Upper

106 100

91 209.0 146.1 271.3

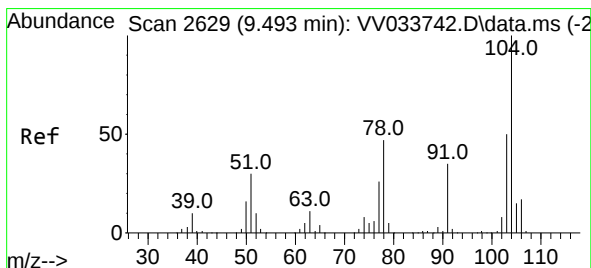
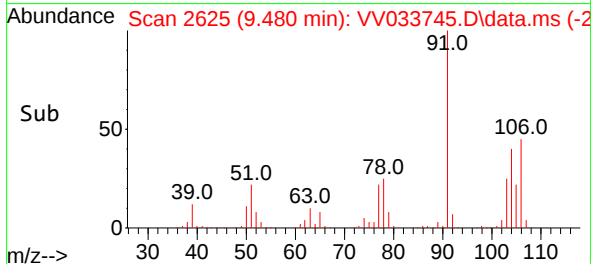
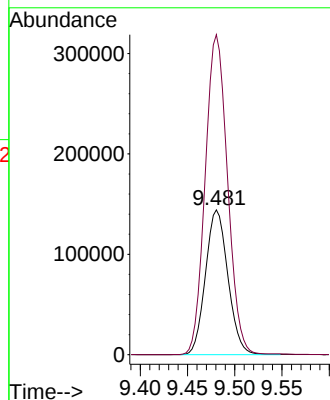
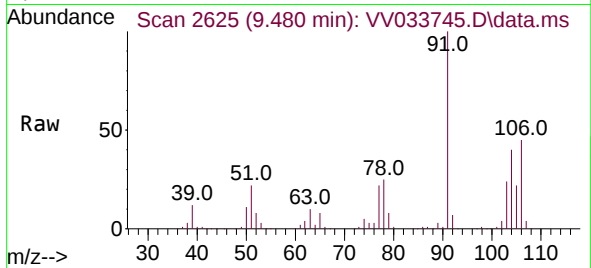




#54
o-Xylene
Concen: 69.665 ug/L
RT: 9.480 min Scan# 2625
Delta R.T. 0.003 min
Lab File: VV033745.D
Acq: 19 Jan 2024 11:27

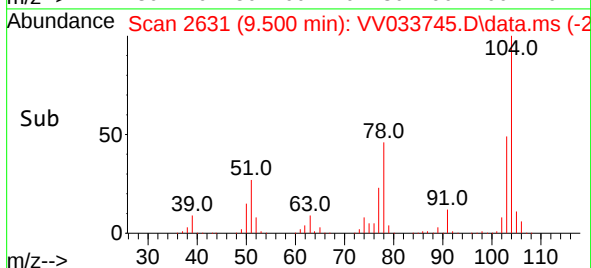
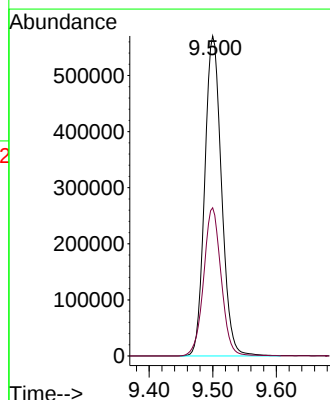
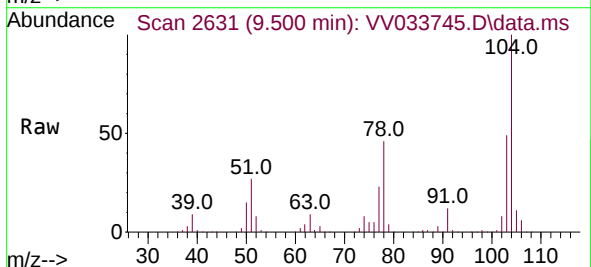
Instrument :
MSVOA_V
ClientSampleId :

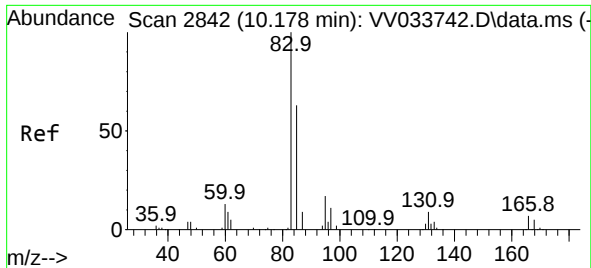
Tgt Ion:106 Resp: 238418
Ion Ratio Lower Upper
106 100
91 220.9 155.2 288.2



#55
Styrene
Concen: 176.883 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.006 min
Lab File: VV033745.D
Acq: 19 Jan 2024 11:27

Tgt Ion:104 Resp: 1045148
Ion Ratio Lower Upper
104 100
78 46.3 33.0 61.4

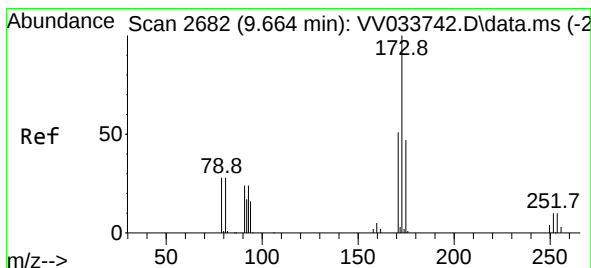
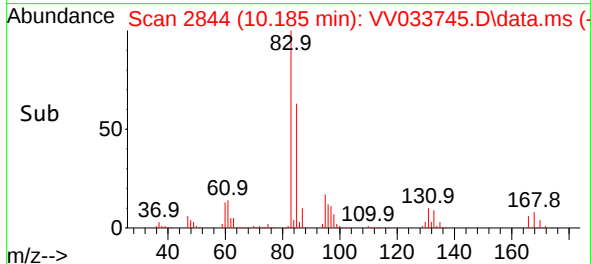
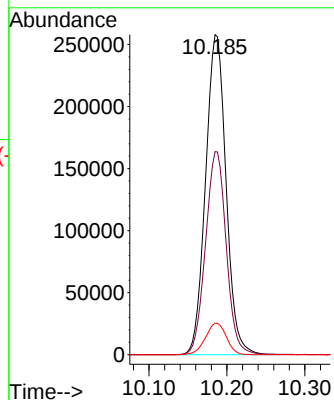
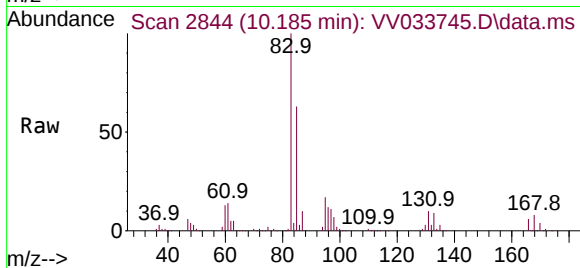




#57
1,1,2,2-Tetrachloroethane
Concen: 155.209 ug/L
RT: 10.185 min Scan# 2844
Delta R.T. 0.006 min
Lab File: VV033745.D
Acq: 19 Jan 2024 11:27

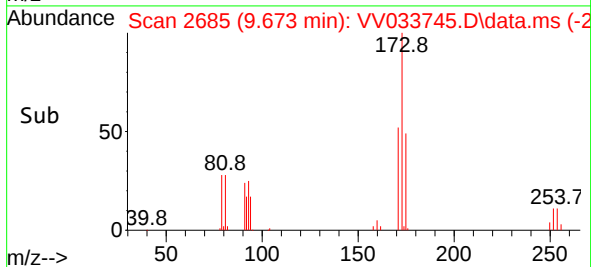
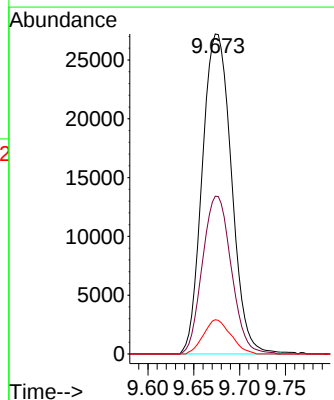
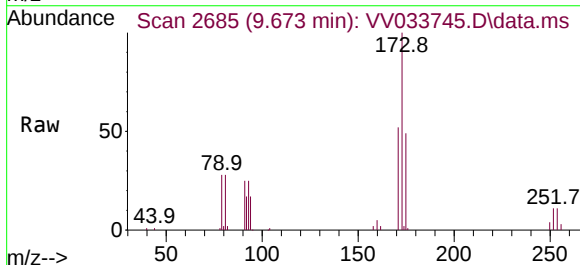
Instrument :
MSVOA_V
ClientSampleId :

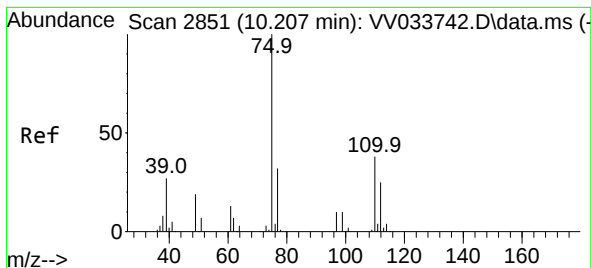
Tgt Ion: 83 Resp: 471663
Ion Ratio Lower Upper
83 100
85 63.4 44.9 83.5
131 9.9 7.5 11.3



#59
Bromoform
Concen: 43.371 ug/L
RT: 9.673 min Scan# 2685
Delta R.T. 0.010 min
Lab File: VV033745.D
Acq: 19 Jan 2024 11:27

Tgt Ion: 173 Resp: 60232
Ion Ratio Lower Upper
173 100
175 48.7 37.2 55.8
254 10.0 7.4 11.0





#61

1,2,3-Trichloropropane

Concen: 139.630 ug/L

RT: 10.217 min Scan# 21

Delta R.T. 0.010 min

Lab File: VV033745.D

Acq: 19 Jan 2024 11:27

Instrument :

MSVOA_V

ClientSampleId :

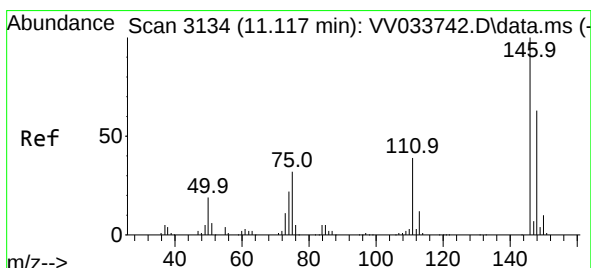
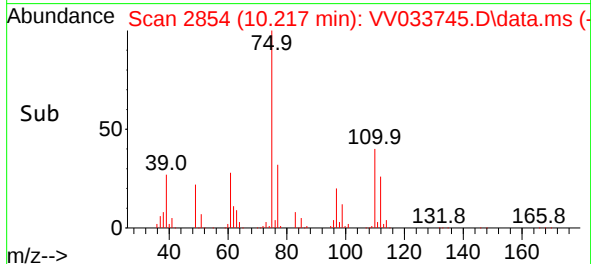
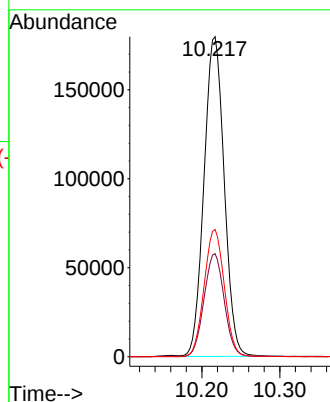
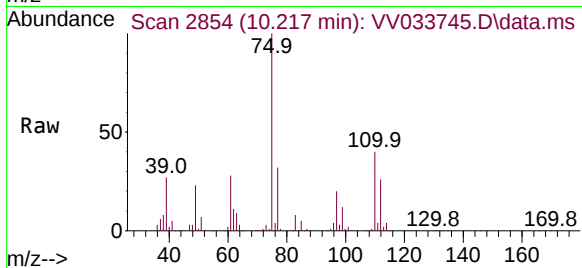
Tgt Ion: 75 Resp: 323804

Ion Ratio Lower Upper

75 100

77 31.8 25.3 37.9

110 39.7 29.5 44.3



#64

1,3-Dichlorobenzene

Concen: 129.179 ug/L

RT: 11.120 min Scan# 3135

Delta R.T. 0.003 min

Lab File: VV033745.D

Acq: 19 Jan 2024 11:27

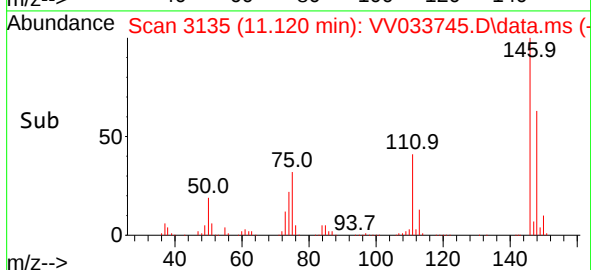
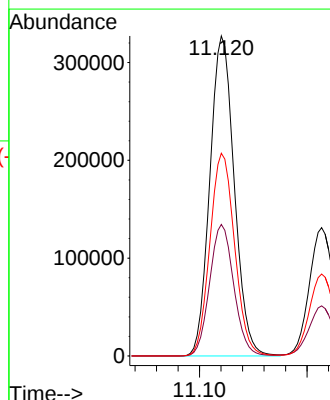
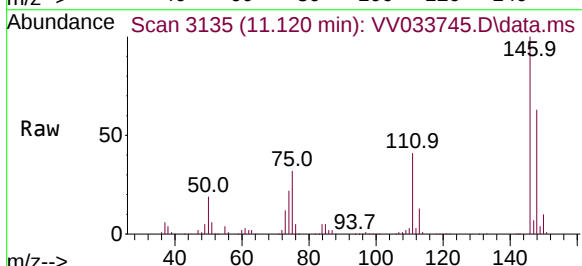
Tgt Ion:146 Resp: 515862

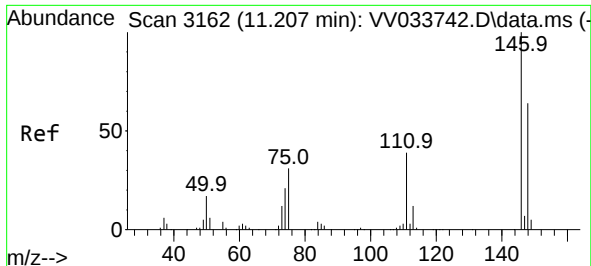
Ion Ratio Lower Upper

146 100

111 41.1 29.0 53.8

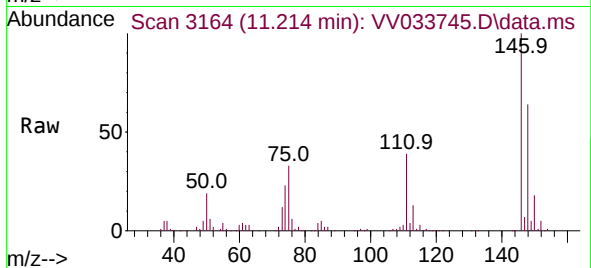
148 63.4 43.9 81.5



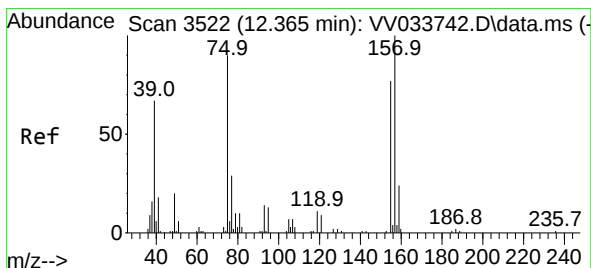
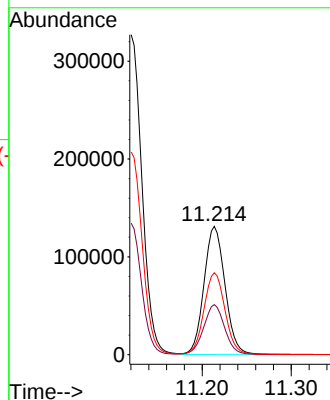
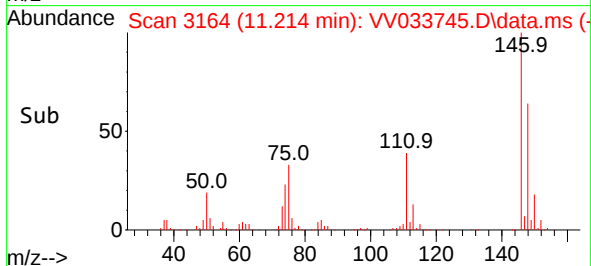


#65
1,4-Dichlorobenzene
Concen: 53.403 ug/L
RT: 11.214 min Scan# 3164
Delta R.T. 0.006 min
Lab File: VV033745.D
Acq: 19 Jan 2024 11:27

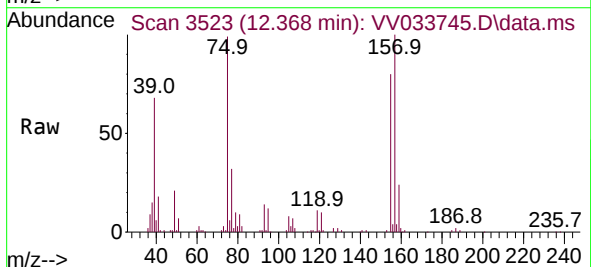
Instrument :
MSVOA_V
ClientSampleId :



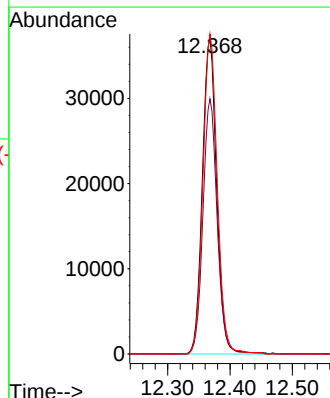
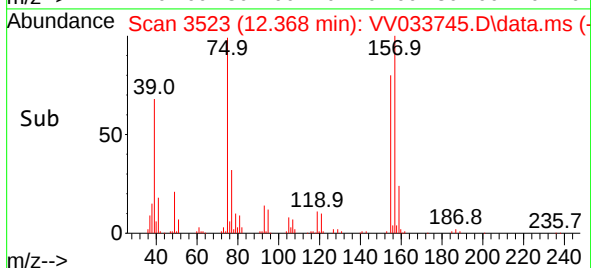
Tgt Ion:146 Resp: 213834
Ion Ratio Lower Upper
146 100
111 39.0 27.7 51.5
148 63.8 44.1 81.9

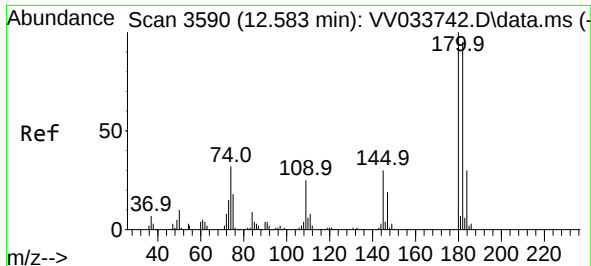


#68
1,2-Dibromo-3-chloropropane
Concen: 88.233 ug/L
RT: 12.368 min Scan# 3523
Delta R.T. 0.003 min
Lab File: VV033745.D
Acq: 19 Jan 2024 11:27



Tgt Ion: 75 Resp: 59045
Ion Ratio Lower Upper
75 100
155 81.0 61.6 92.4
157 101.5 79.2 118.8





#69

1,3,5-Trichlorobenzene

Concen: 108.839 ug/L

RT: 13.197 min Scan# 3

Delta R.T. 0.614 min

Lab File: VV033745.D

Acq: 19 Jan 2024 11:27

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180 Resp: 321178

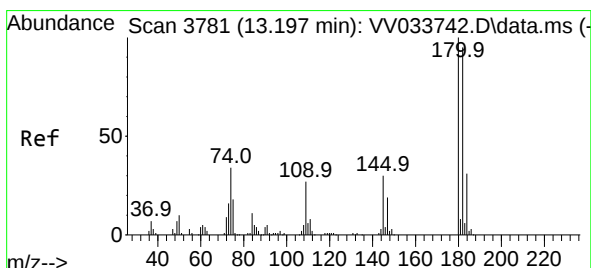
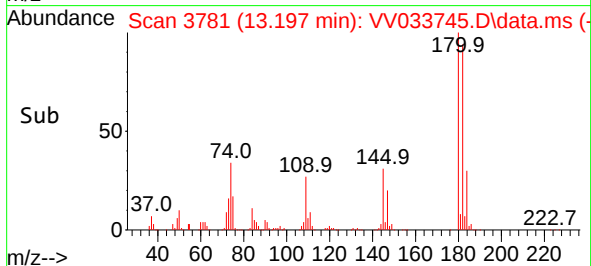
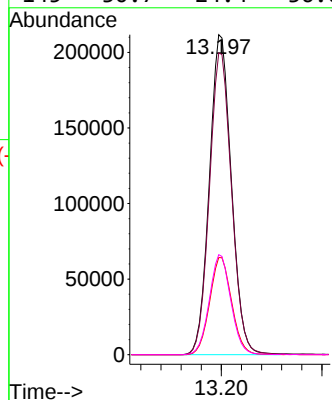
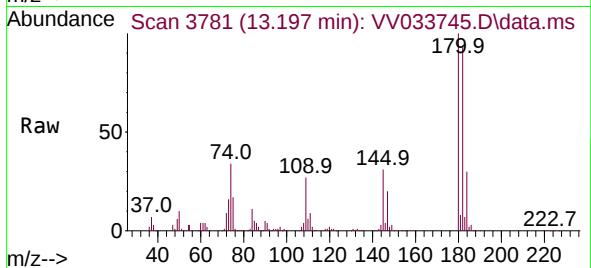
Ion Ratio Lower Upper

180 100

182 95.1 76.2 114.2

184 30.4 23.9 35.9

145 30.7 24.4 36.6



#70

1,2,4-trichlorobenzene

Concen: 119.914 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. -0.000 min

Lab File: VV033745.D

Acq: 19 Jan 2024 11:27

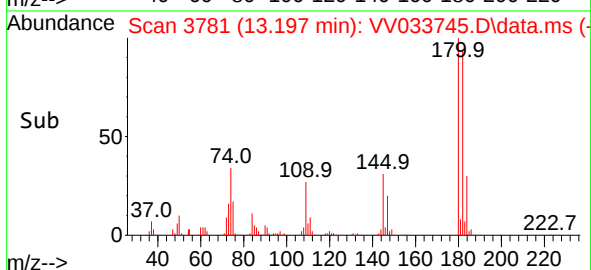
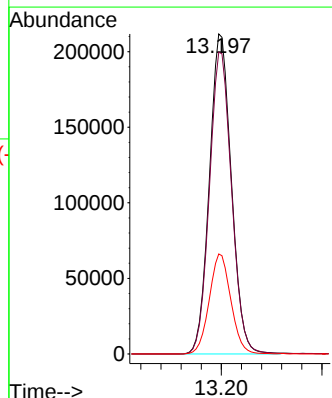
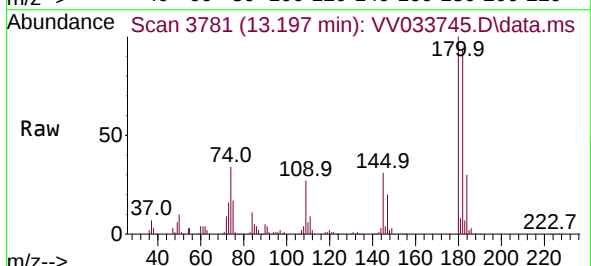
Tgt Ion:180 Resp: 321178

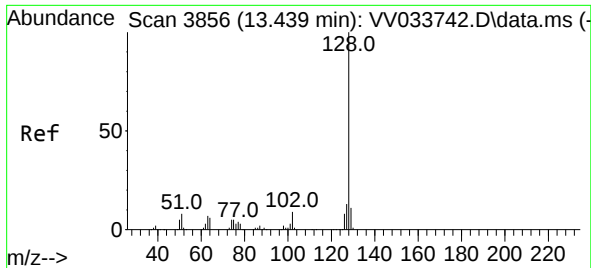
Ion Ratio Lower Upper

180 100

182 95.1 76.3 114.5

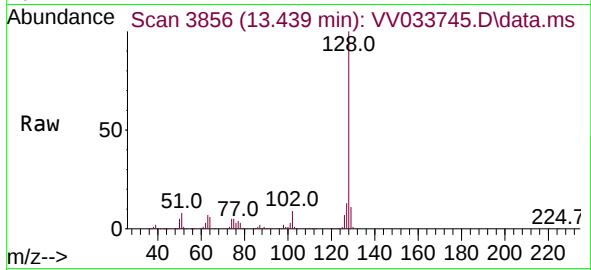
145 30.7 25.4 38.0





#71
Naphthalene
Concen: 121.228 ug/L
RT: 13.439 min Scan# 3856
Delta R.T. -0.000 min
Lab File: VV033745.D
Acq: 19 Jan 2024 11:27

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 848464
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 10.8 8.6 13.0

