

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041824\
 Data File : VW035280.D
 Acq On : 18 Apr 2024 14:02
 Operator : SY/MD
 Sample : P2158-04
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 19 01:42:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM032624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 10 04:53:36 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	370710	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.809	117	387825	50.000	ug/L	0.03
58) 1,4-Dichlorobenzene-d4	11.288	152	138	50.000	ug/L	0.11
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	146363	40.882	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.760%
7) Chloroethane-d5	1.523	69	125932	40.498	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.000%
11) 1,1-Dichloroethene-d2	2.056	65	63961	40.756	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.520%
21) 2-Butanone-d5	3.789	46	191365	90.126	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.130%
24) Chloroform-d	4.246	84	293438	48.749	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.500%
26) 1,2-Dichloroethane-d4	4.960	65	197888	51.781	ug/L	0.02
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.560%
32) Benzene-d6	4.969	84	593403	45.551	ug/L	0.01
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.100%
36) 1,2-Dichloropropane-d6	5.989	67	188625	45.597	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.200%
41) Toluene-d8	7.243	98	497620	42.415	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.840%
43) trans-1,3-Dichloroprop...	7.555	79	83244	41.393	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.780%
47) 2-Hexanone-d5	8.030	63	144267	92.240	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.240%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	281645	49.440	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.880%
66) 1,2-Dichlorobenzene-d4	11.570	152	250981	81003.327	ug/L	0.01
Spiked Amount	50.000	Range	80 - 120	Recovery	=	162006.660%#
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.056	101	2112	0.726	ug/L #	27
14) Carbon disulfide	2.236	76	16538	2.111	ug/L	100
16) Methylene chloride	2.445	84	10696	3.548	ug/L	94
25) Chloroform	4.272	83	222182	40.740	ug/L	99
27) 1,2-Dichloroethane	5.050	62	1706562	393.026	ug/L #	75
29) Cyclohexane	4.584	56	17496	3.602	ug/L	96
31) Carbon tetrachloride	4.735	117	214585	50.081	ug/L	100
34) Trichloroethene	5.847	95	4557	1.335	ug/L	94
35) Methylcyclohexane	6.050	83	6898	1.338	ug/L #	78
42) Toluene	7.333	91	12561	0.949	ug/L	92
46) Tetrachloroethene	7.908	164	6391	2.680	ug/L	95
48) 2-Hexanone	8.030	43	16313	4.298	ug/L #	73
59) Bromoform	9.667	173	50	31.617	ug/L #	35
60) Isopropylbenzene	9.876	105	1796	180.527	ug/L #	75
61) 1,2,3-Trichloropropane	10.214	75	1169	390.920	ug/L #	60
62) 1,3,5-Trimethylbenzene	10.860	105	1494	231.228	ug/L	94
63) 1,2,4-Trimethylbenzene	10.860	105	1494	187.021	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	2389040	513861.021	ug/L	98
65) 1,4-Dichlorobenzene	11.117	146	2389040	505306.894	ug/L	98

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Quant Title : VOC Analysis
QLast Update : Wed Apr 10 04:53:36 2024
Response via : Initial Calibration

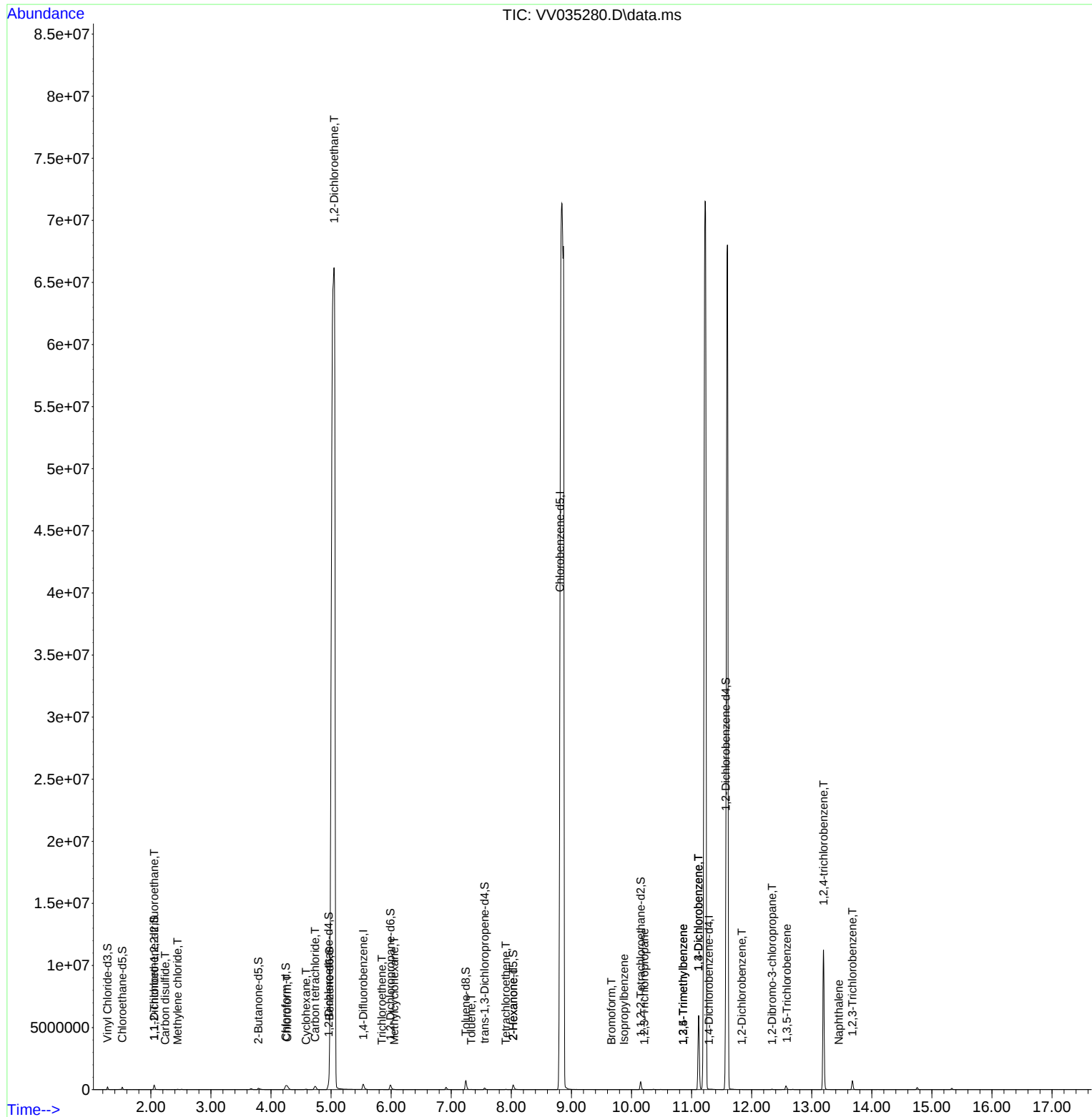
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	11.837	146	112	24.183	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.339	75	6556	7957.748	ug/L #	6
69) 1,3,5-Trichlorobenzene	12.583	180	1804	538.395	ug/L	93
70) 1,2,4-trichlorobenzene	13.197	180	3260904	1059473.467	ug/L	99
71) Naphthalene	13.451	128	6936	812.255	ug/L	98
72) 1,2,3-Trichlorobenzene	13.677	180	221681	73067.902	ug/L	98

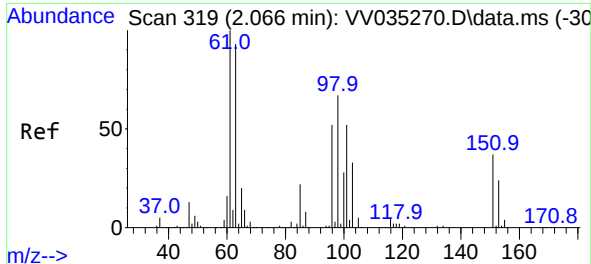
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.726 ug/L

RT: 2.056 min Scan# 31

Delta R.T. -0.010 min

Lab File: VV035280.D

Acq: 18 Apr 2024 14:02

Instrument :

MSVOA_V

ClientSampleId :

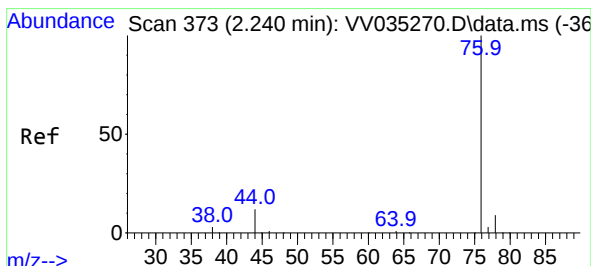
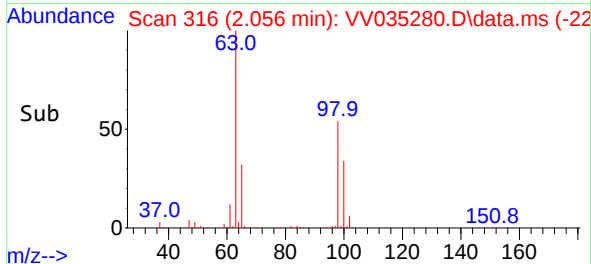
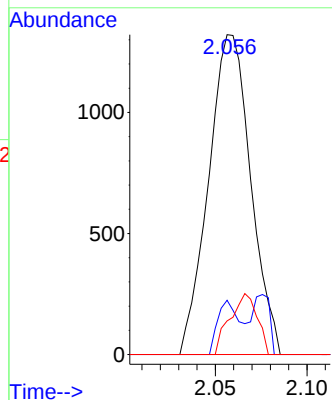
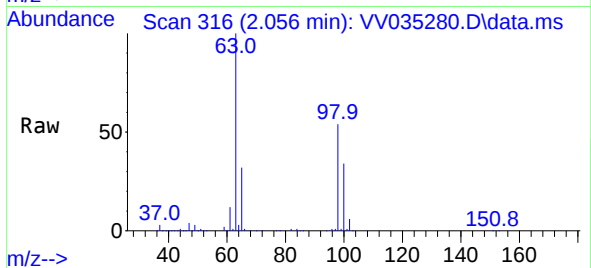
Tgt Ion:101 Resp: 2112

Ion Ratio Lower Upper

101 100

85 8.9 35.3 52.9#

151 0.0 55.0 82.4#



#14

Carbon disulfide

Concen: 2.111 ug/L

RT: 2.236 min Scan# 372

Delta R.T. -0.003 min

Lab File: VV035280.D

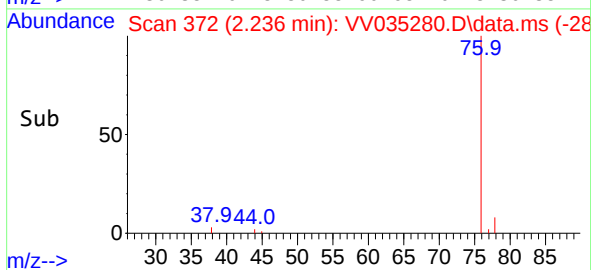
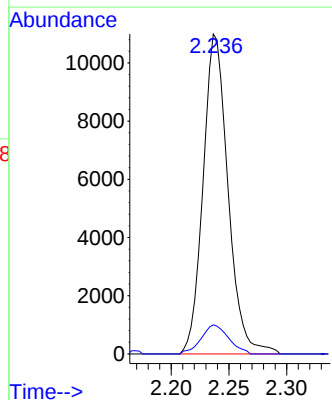
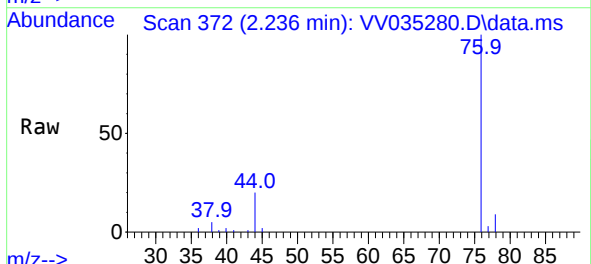
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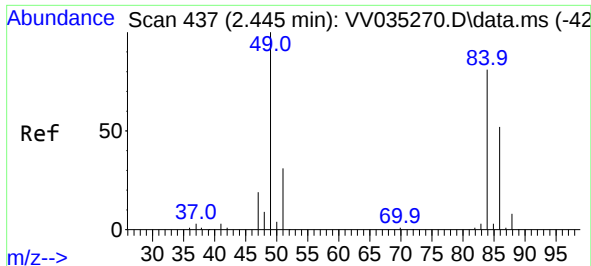
Tgt Ion: 76 Resp: 16538

Ion Ratio Lower Upper

76 100

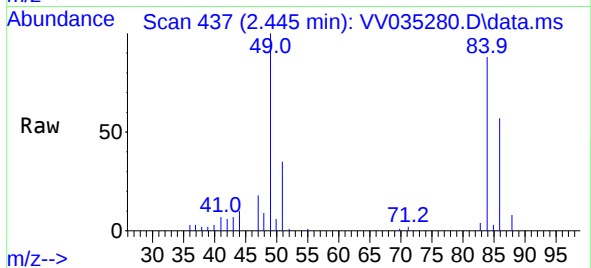
78 9.1 7.4 11.0



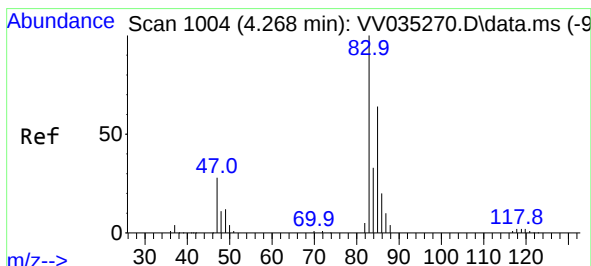
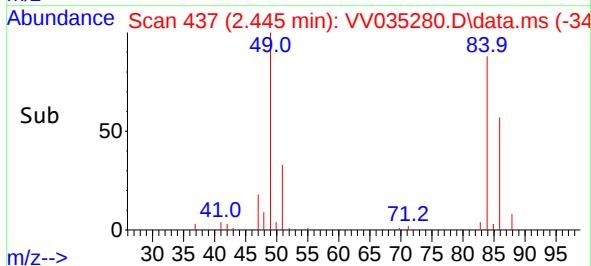
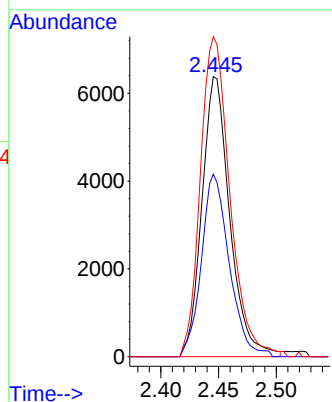


#16
Methylene chloride
Concen: 3.548 ug/L
RT: 2.445 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV035280.D
Acq: 18 Apr 2024 14:02

Instrument :
MSVOA_V
ClientSampleId :

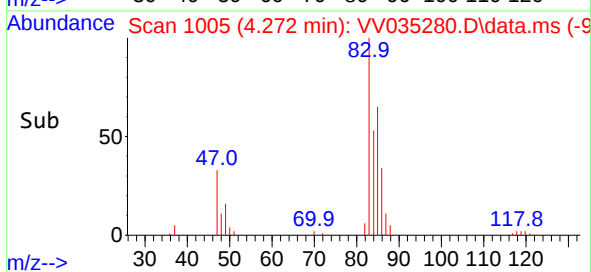
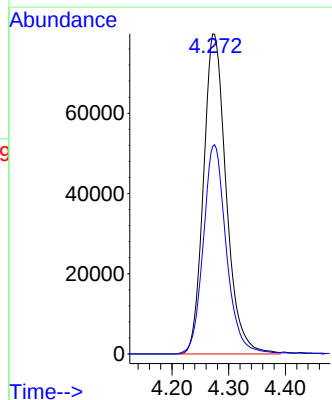
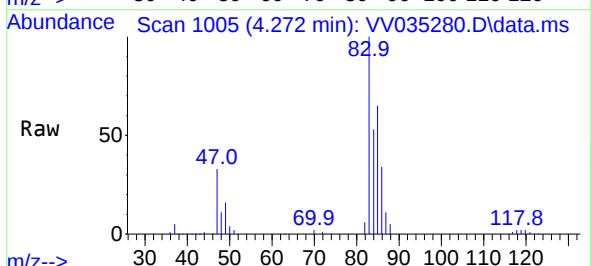


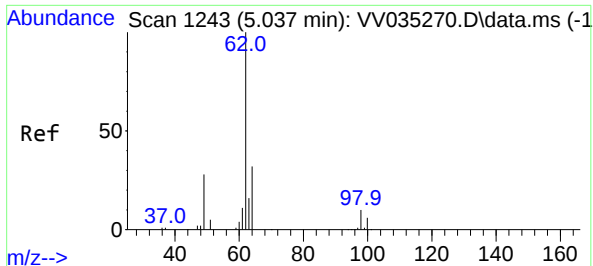
Tgt Ion: 84 Resp: 10696
Ion Ratio Lower Upper
84 100
86 65.1 44.6 82.8
49 114.2 86.9 161.3



#25
Chloroform
Concen: 40.740 ug/L
RT: 4.272 min Scan# 1005
Delta R.T. 0.000 min
Lab File: VV035280.D
Acq: 18 Apr 2024 14:02

Tgt Ion: 83 Resp: 222182
Ion Ratio Lower Upper
83 100
85 64.9 46.0 85.4

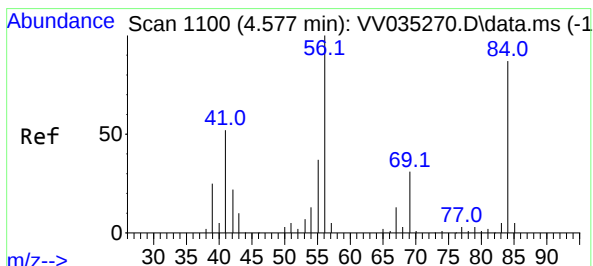
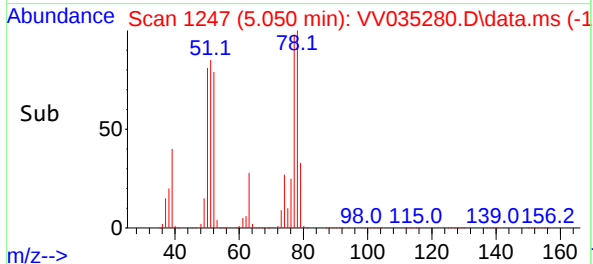
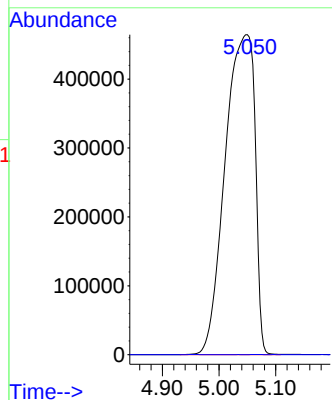
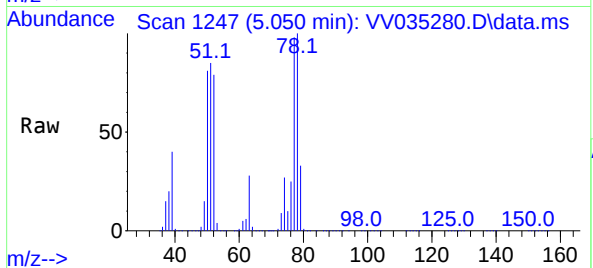




#27
1,2-Dichloroethane
Concen: 393.026 ug/L
RT: 5.050 min Scan# 1102
Delta R.T. 0.013 min
Lab File: VV035280.D
Acq: 18 Apr 2024 14:02

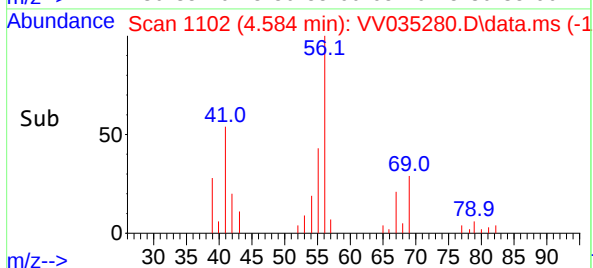
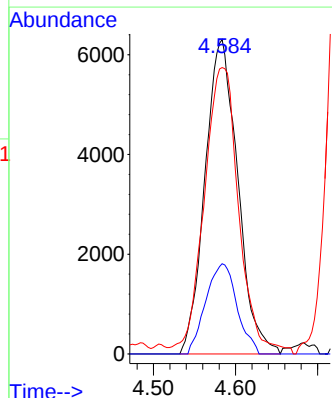
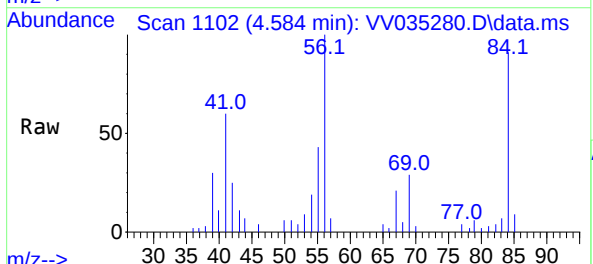
Instrument :
MSVOA_V
ClientSampleId :

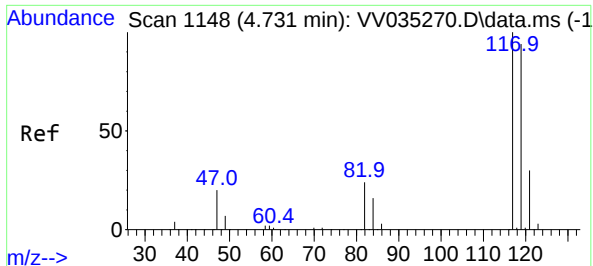
Tgt Ion: 62 Resp: 1706562
Ion Ratio Lower Upper
62 100
98 0.0 7.2 10.8#



#29
Cyclohexane
Concen: 3.602 ug/L
RT: 4.584 min Scan# 1102
Delta R.T. 0.006 min
Lab File: VV035280.D
Acq: 18 Apr 2024 14:02

Tgt Ion: 56 Resp: 17496
Ion Ratio Lower Upper
56 100
69 27.2 24.2 36.2
84 89.9 69.8 104.8

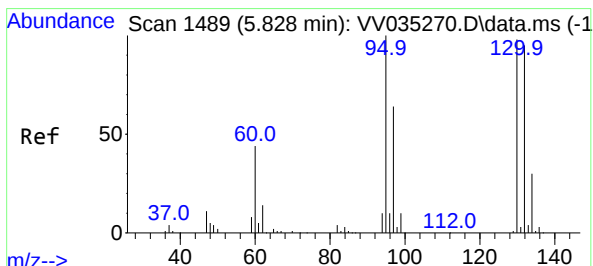
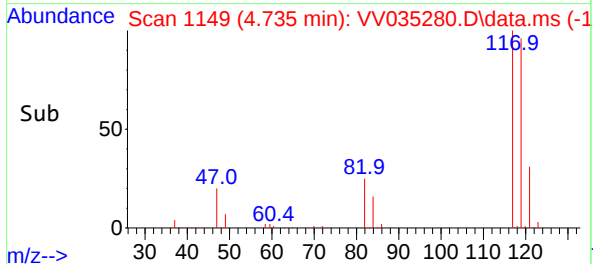
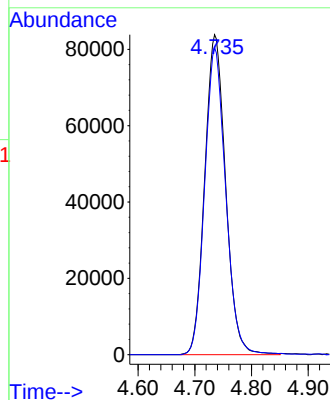
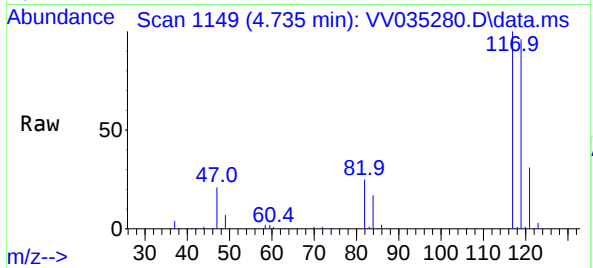




#31
Carbon tetrachloride
Concen: 50.081 ug/L
RT: 4.735 min Scan# 1148
Delta R.T. 0.003 min
Lab File: VV035280.D
Acq: 18 Apr 2024 14:02

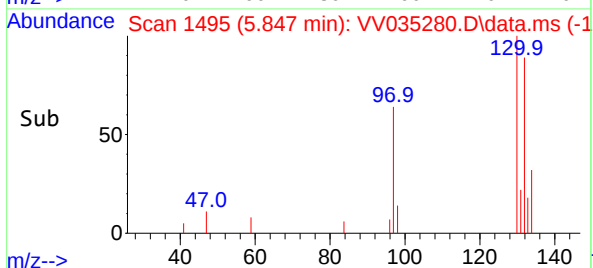
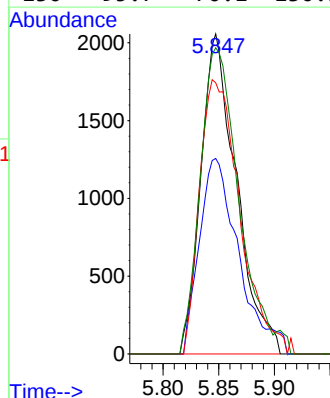
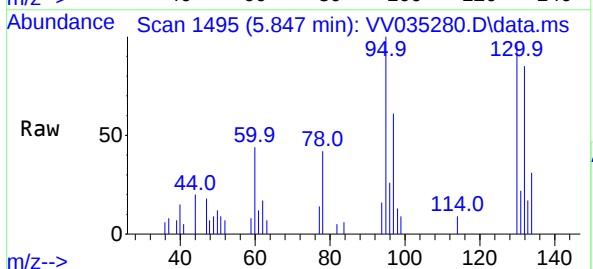
Instrument :
MSVOA_V
ClientSampleId :

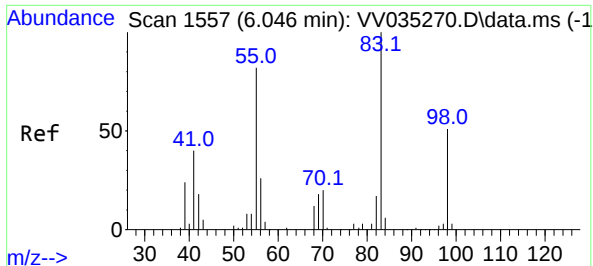
Tgt Ion:117 Resp: 214585
Ion Ratio Lower Upper
117 100
119 96.0 77.1 115.7



#34
Trichloroethene
Concen: 1.335 ug/L
RT: 5.847 min Scan# 1495
Delta R.T. 0.019 min
Lab File: VV035280.D
Acq: 18 Apr 2024 14:02

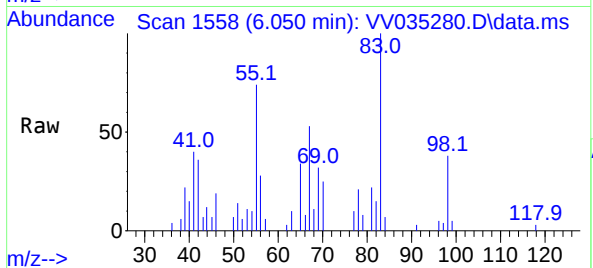
Tgt Ion: 95 Resp: 4557
Ion Ratio Lower Upper
95 100
97 61.1 45.3 84.1
132 84.7 65.3 121.3
130 95.7 70.1 130.3



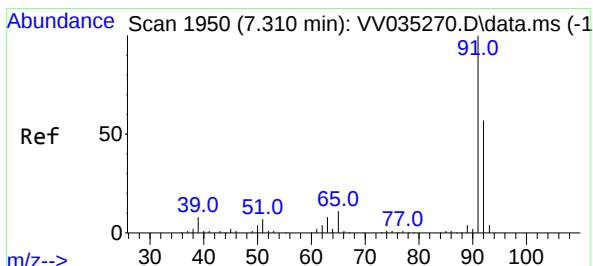
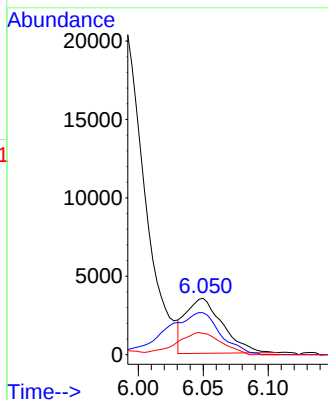
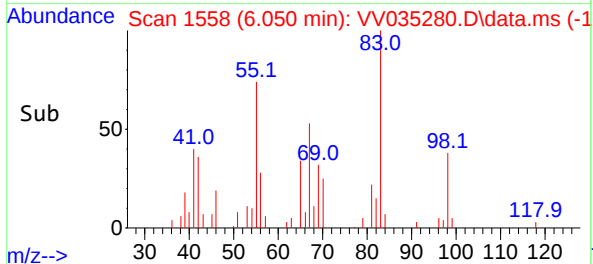


#35
Methylcyclohexane
Concen: 1.338 ug/L
RT: 6.050 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV035280.D
Acq: 18 Apr 2024 14:02

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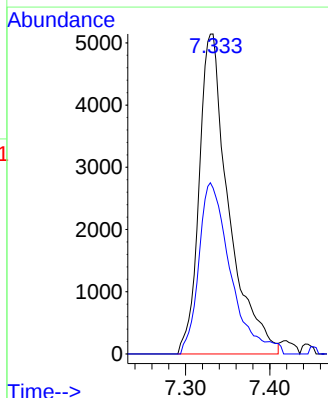
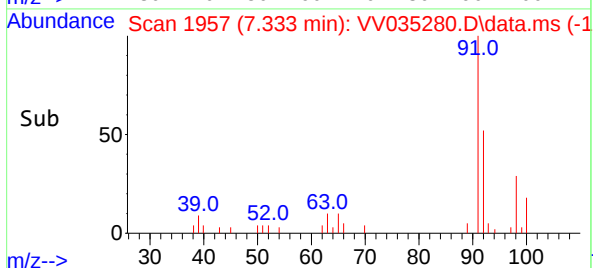
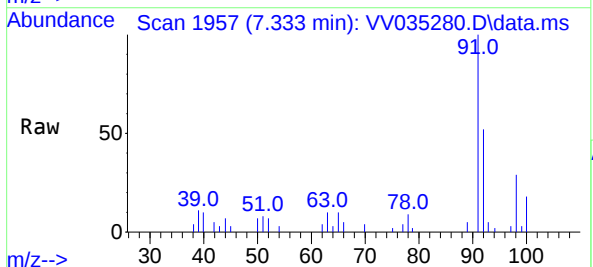


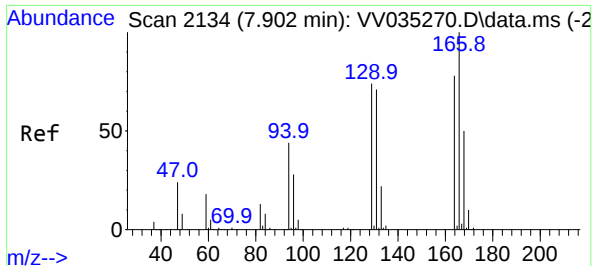
Tgt Ion: 83 Resp: 6898
Ion Ratio Lower Upper
83 100
55 46.9 60.0 90.0#
98 49.2 37.6 56.4



#42
Toluene
Concen: 0.949 ug/L
RT: 7.333 min Scan# 1957
Delta R.T. 0.022 min
Lab File: VV035280.D
Acq: 18 Apr 2024 14:02

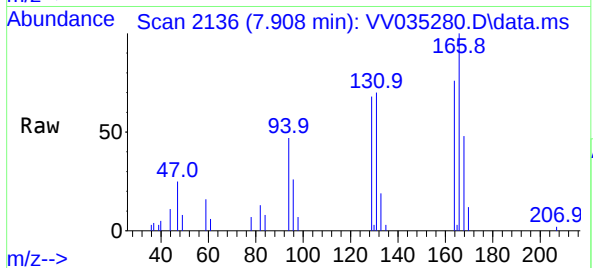
Tgt Ion: 91 Resp: 12561
Ion Ratio Lower Upper
91 100
92 51.8 40.3 74.8



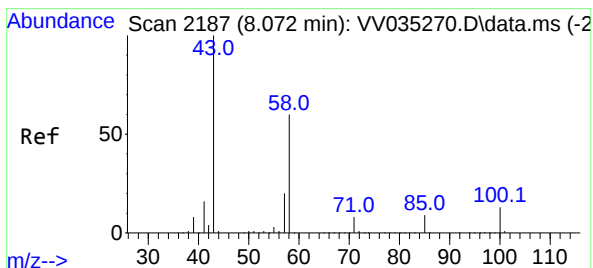
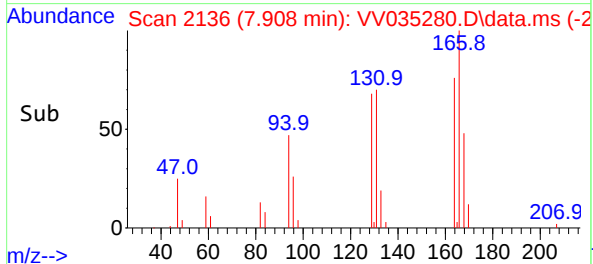
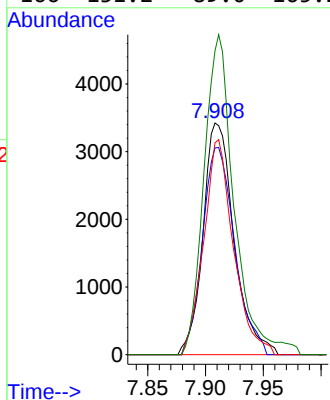


#46
Tetrachloroethene
Concen: 2.680 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. 0.006 min
Lab File: VV035280.D
Acq: 18 Apr 2024 14:02

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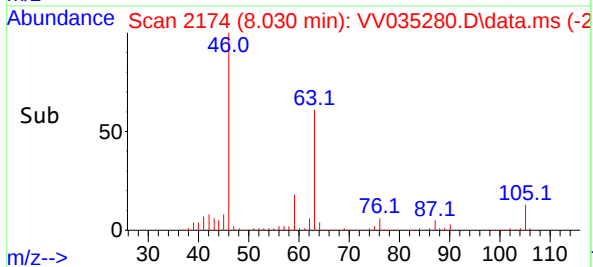
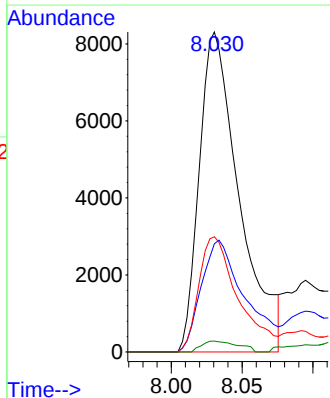
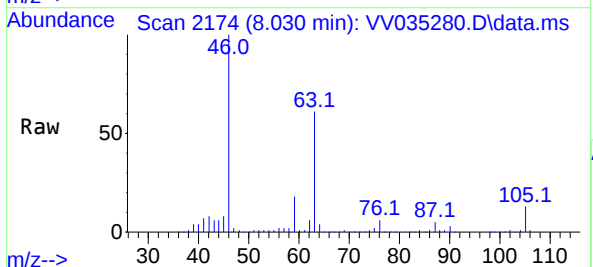


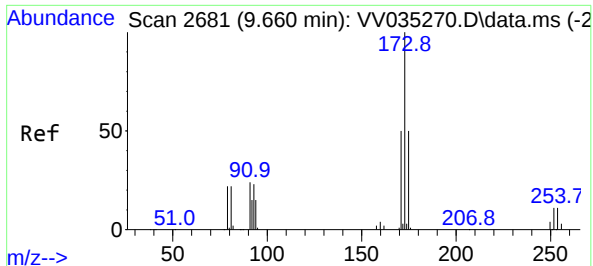
Tgt Ion:164 Resp: 6391
Ion Ratio Lower Upper
164 100
129 89.2 68.6 127.4
131 91.4 65.7 122.1
166 131.2 89.0 165.2



#48
2-Hexanone
Concen: 4.298 ug/L
RT: 8.030 min Scan# 2174
Delta R.T. -0.042 min
Lab File: VV035280.D
Acq: 18 Apr 2024 14:02

Tgt Ion: 43 Resp: 16313
Ion Ratio Lower Upper
43 100
58 38.2 45.4 68.2#
57 35.7 16.2 24.4#
100 3.1 10.1 15.1#

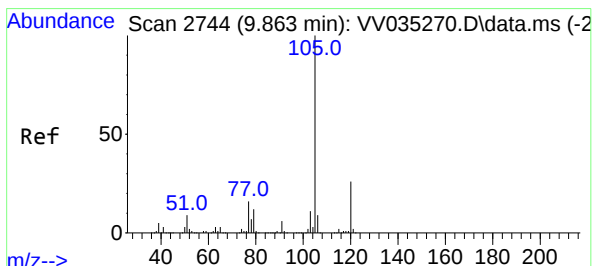
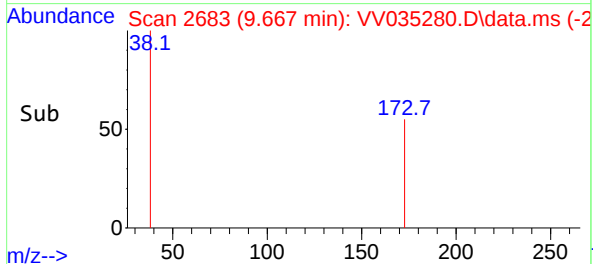
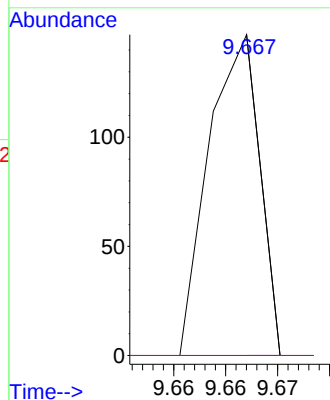
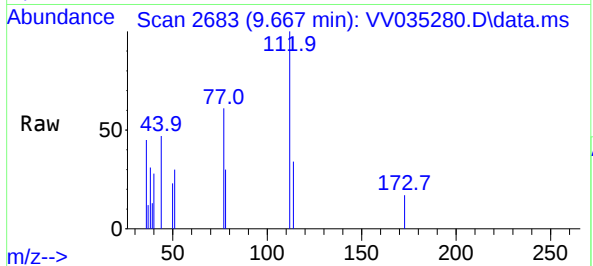




#59
Bromoform
Concen: 31.617 ug/L
RT: 9.667 min Scan# 2
Delta R.T. 0.006 min
Lab File: VV035280.D
Acq: 18 Apr 2024 14:02

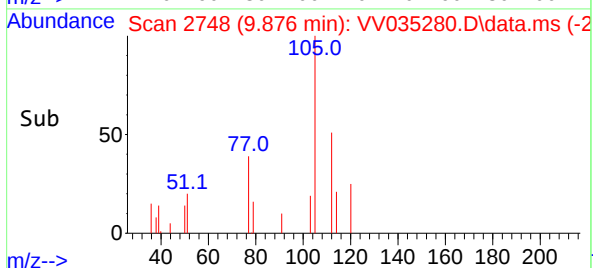
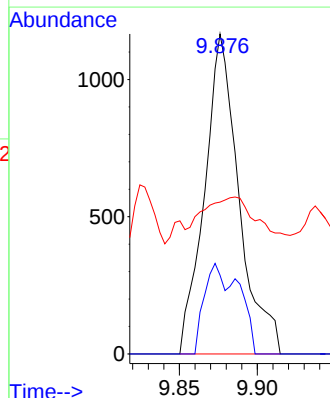
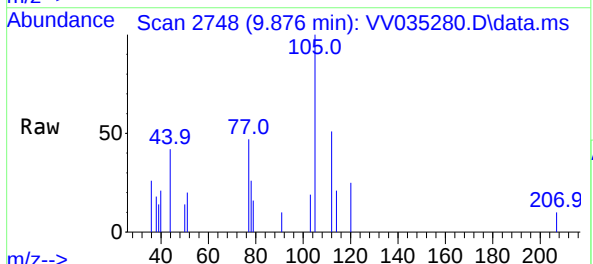
Instrument :
MSVOA_V
ClientSampleId :

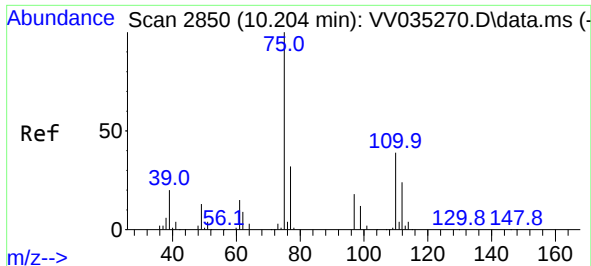
Tgt Ion:173 Resp: 50
Ion Ratio Lower Upper
173 100
175 0.0 39.3 58.9#
254 0.0 7.5 11.3#



#60
Isopropylbenzene
Concen: 180.527 ug/L
RT: 9.876 min Scan# 2748
Delta R.T. 0.013 min
Lab File: VV035280.D
Acq: 18 Apr 2024 14:02

Tgt Ion:105 Resp: 1796
Ion Ratio Lower Upper
105 100
120 16.2 21.0 31.6#
77 2.6 13.1 19.7#





#61

1,2,3-Trichloropropane

Concen: 390.920 ug/L

RT: 10.214 min Scan# 2

Delta R.T. 0.010 min

Lab File: VV035280.D

Acq: 18 Apr 2024 14:02

Instrument :

MSVOA_V

ClientSampleId :

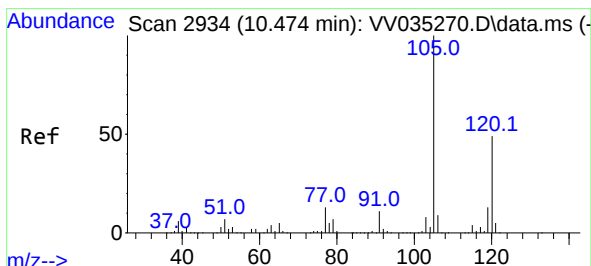
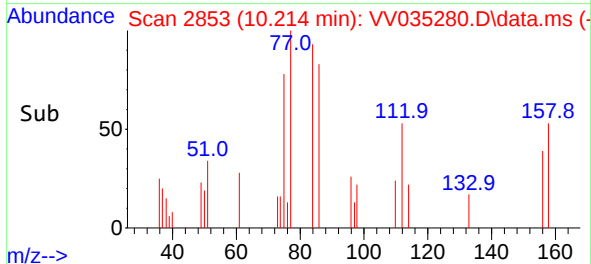
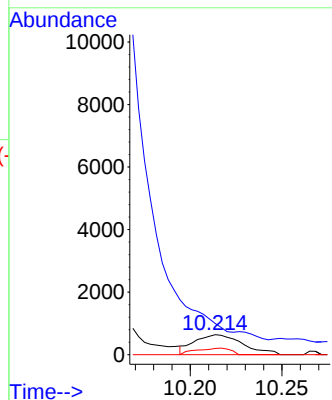
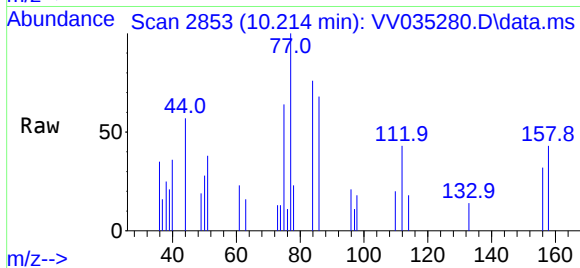
Tgt Ion: 75 Resp: 1169

Ion Ratio Lower Upper

75 100

77 0.0 26.0 39.0#

110 23.4 30.5 45.7#



#62

1,3,5-Trimethylbenzene

Concen: 231.228 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. 0.386 min

Lab File: VV035280.D

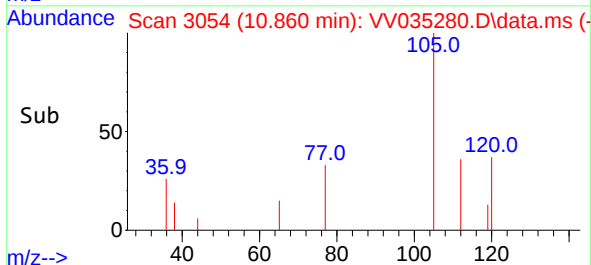
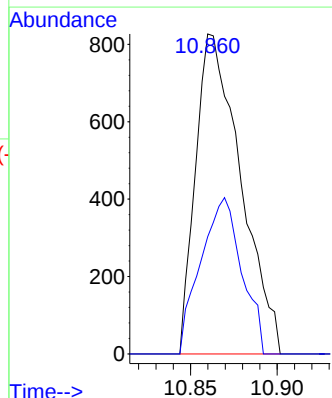
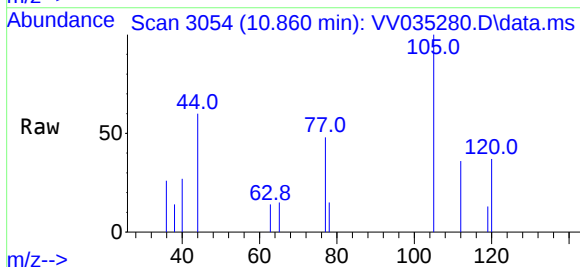
Acq: 18 Apr 2024 14:02

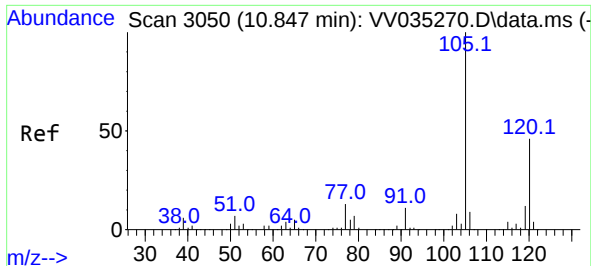
Tgt Ion: 105 Resp: 1494

Ion Ratio Lower Upper

105 100

120 44.6 38.7 58.1

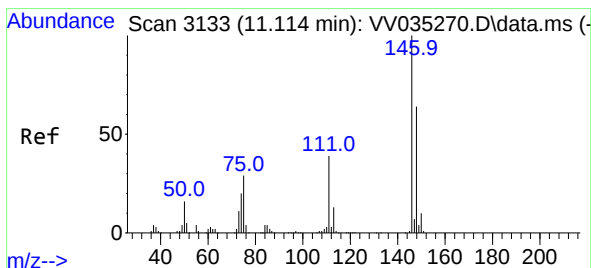
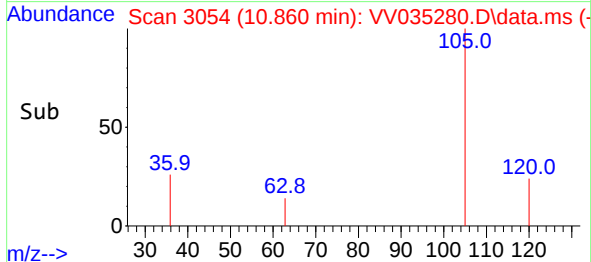
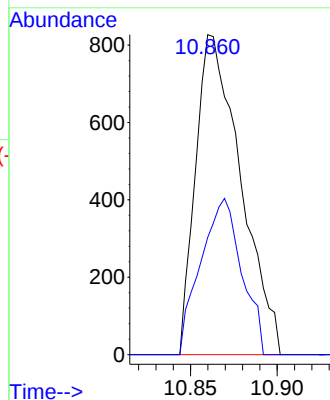
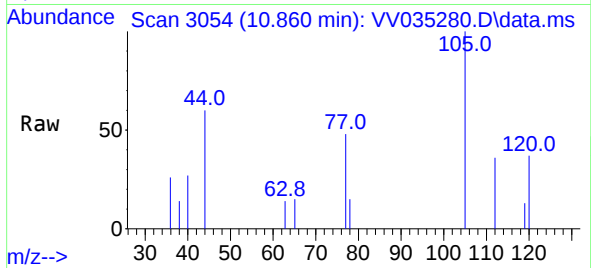




#63
1,2,4-Trimethylbenzene
Concen: 187.021 ug/L
RT: 10.860 min Scan# 3054
Delta R.T. 0.010 min
Lab File: VV035280.D
Acq: 18 Apr 2024 14:02

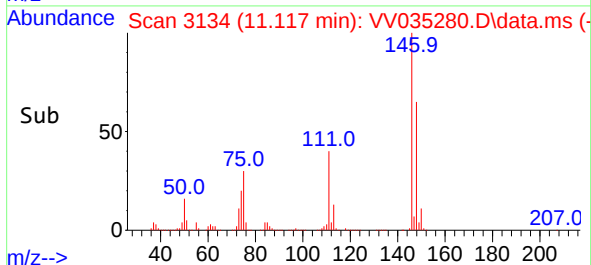
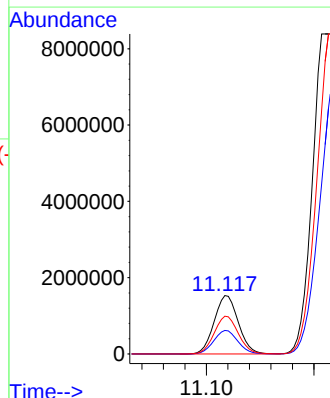
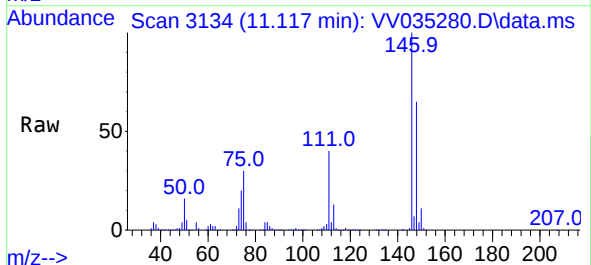
Instrument :
MSVOA_V
ClientSampleId :

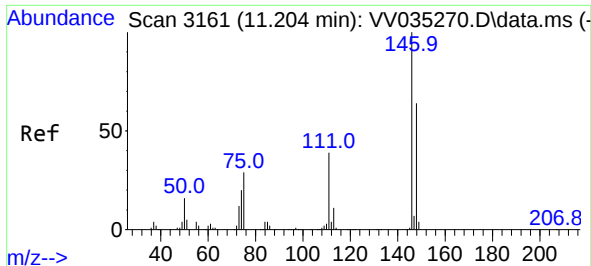
Tgt Ion:105 Resp: 1494
Ion Ratio Lower Upper
105 100
120 44.6 35.9 53.9



#64
1,3-Dichlorobenzene
Concen: 513861.021 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. 0.003 min
Lab File: VV035280.D
Acq: 18 Apr 2024 14:02

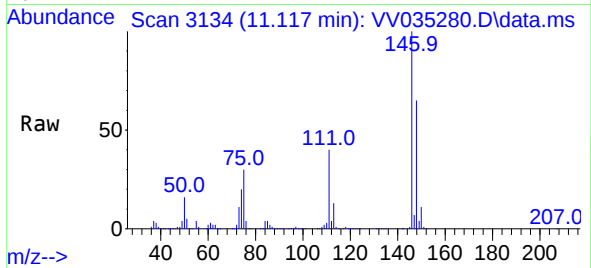
Tgt Ion:146 Resp: 2389040
Ion Ratio Lower Upper
146 100
111 40.4 28.7 53.3
148 64.5 44.0 81.8



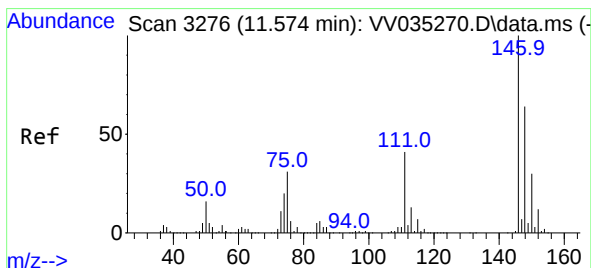
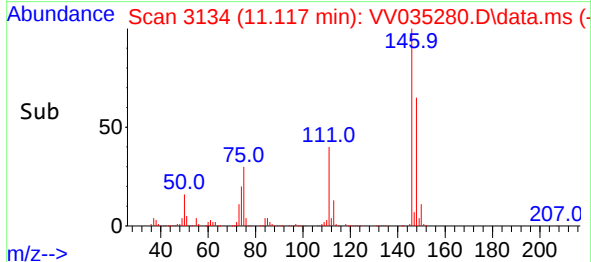
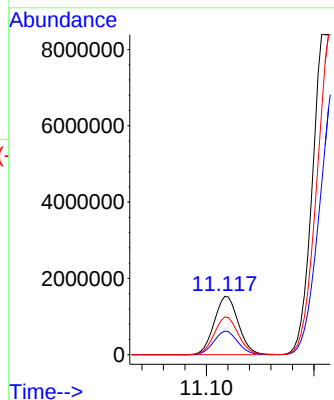


#65
1,4-Dichlorobenzene
Concen: 505306.894 ug/L
RT: 11.117 min Scan# 31
Delta R.T. -0.090 min
Lab File: VV035280.D
Acq: 18 Apr 2024 14:02

Instrument :
MSVOA_V
ClientSampleId :

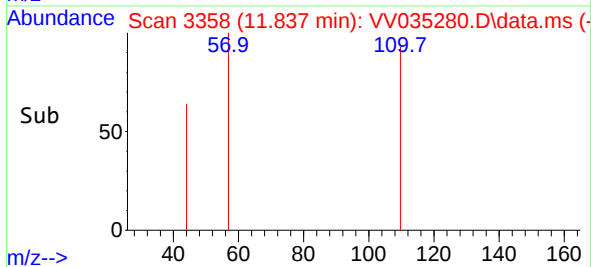
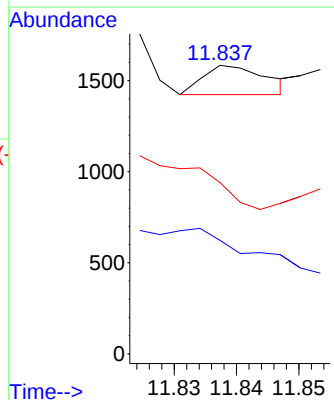
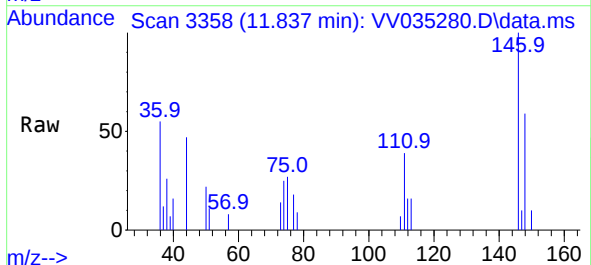


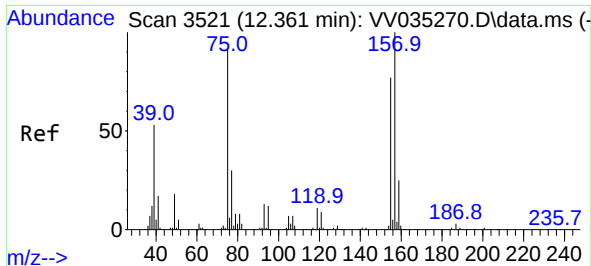
Tgt Ion:146 Resp: 2389040
Ion Ratio Lower Upper
146 100
111 40.4 27.4 50.8
148 64.5 44.2 82.2



#67
1,2-Dichlorobenzene
Concen: 24.183 ug/L
RT: 11.837 min Scan# 3358
Delta R.T. 0.260 min
Lab File: VV035280.D
Acq: 18 Apr 2024 14:02

Tgt Ion:146 Resp: 112
Ion Ratio Lower Upper
146 100
111 39.3 34.6 52.0
148 59.3 51.5 77.3

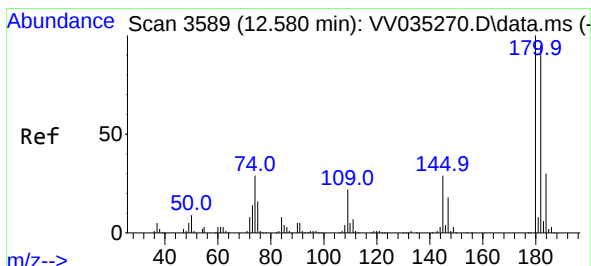
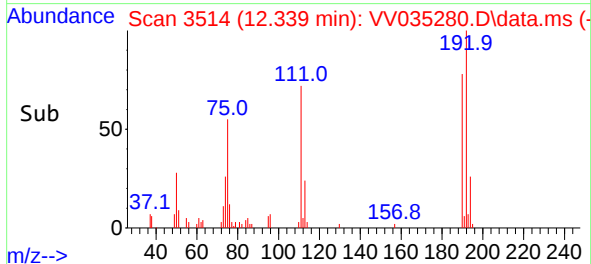
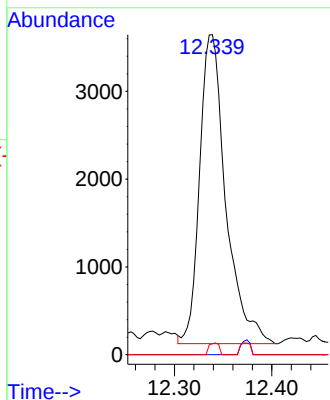
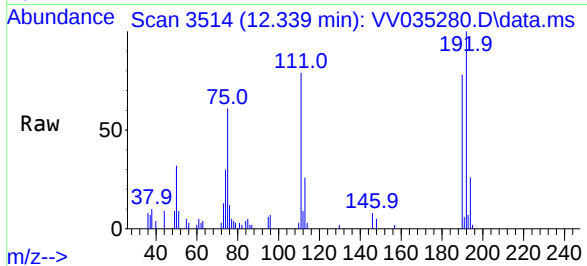




#68
1,2-Dibromo-3-chloropropane
Concen: 7957.748 ug/L
RT: 12.339 min Scan# 31
Delta R.T. -0.023 min
Lab File: VV035280.D
Acq: 18 Apr 2024 14:02

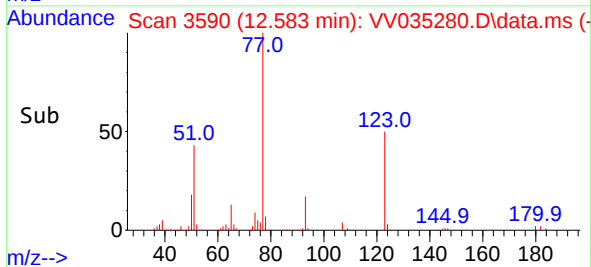
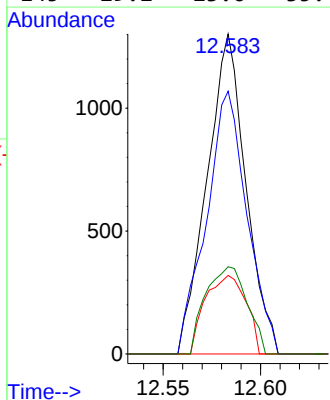
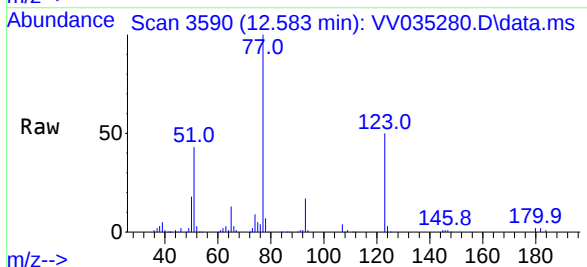
Instrument :
MSVOA_V
ClientSampleId :

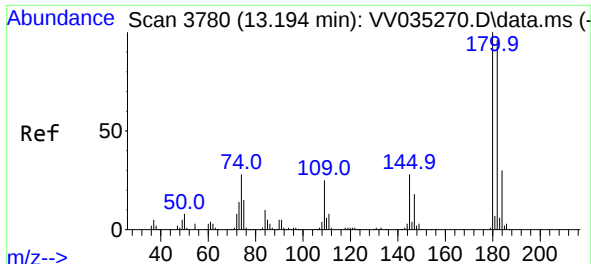
Tgt Ion: 75 Resp: 6556
Ion Ratio Lower Upper
75 100
155 0.0 63.0 94.6#
157 3.4 81.0 121.4#



#69
1,3,5-Trichlorobenzene
Concen: 538.395 ug/L
RT: 12.583 min Scan# 3590
Delta R.T. 0.003 min
Lab File: VV035280.D
Acq: 18 Apr 2024 14:02

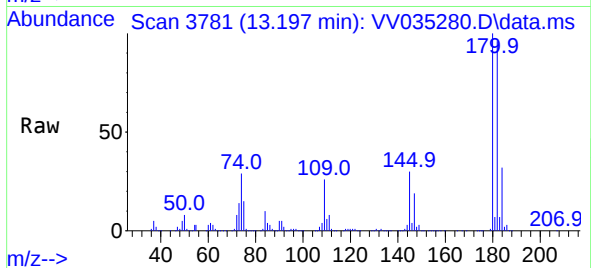
Tgt Ion:180 Resp: 1804
Ion Ratio Lower Upper
180 100
182 85.7 74.7 112.1
184 25.6 24.0 36.0
145 29.2 23.6 35.4



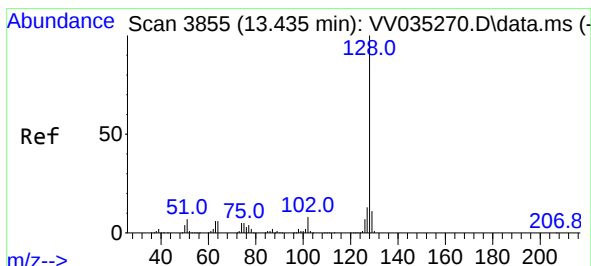
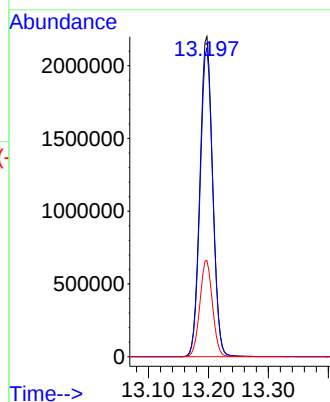
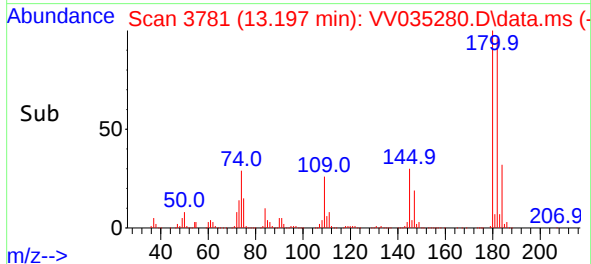


#70
1,2,4-trichlorobenzene
Concen: 1059473.467 ug/L
RT: 13.197 min Scan# 3780
Delta R.T. 0.003 min
Lab File: VV035280.D
Acq: 18 Apr 2024 14:02

Instrument :
MSVOA_V
ClientSampleId :

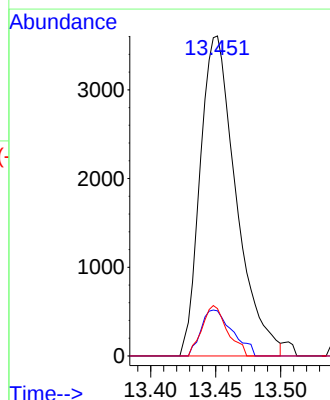
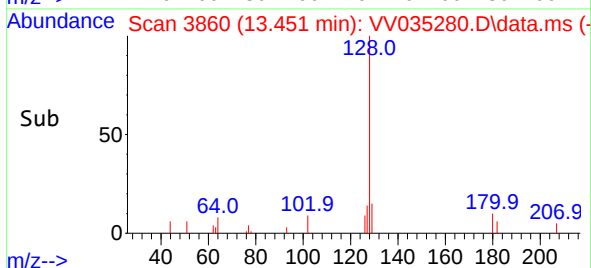
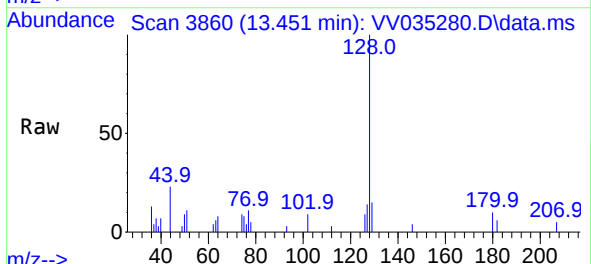


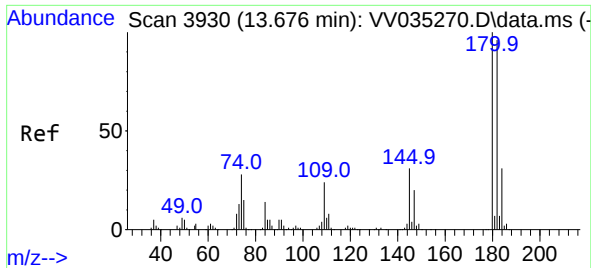
Tgt Ion:180 Resp: 3260904
Ion Ratio Lower Upper
180 100
182 95.9 75.6 113.4
145 29.8 24.1 36.1



#71
Naphthalene
Concen: 812.255 ug/L
RT: 13.451 min Scan# 3860
Delta R.T. 0.016 min
Lab File: VV035280.D
Acq: 18 Apr 2024 14:02

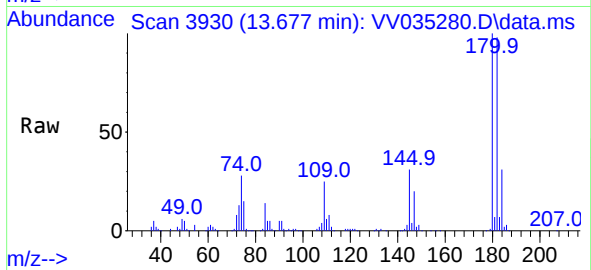
Tgt Ion:128 Resp: 6936
Ion Ratio Lower Upper
128 100
127 12.1 10.5 15.7
129 11.1 8.7 13.1





#72
 1,2,3-Trichlorobenzene
 Concen: 73067.902 ug/L
 RT: 13.677 min Scan# 3930
 Delta R.T. 0.000 min
 Lab File: VV035280.D
 Acq: 18 Apr 2024 14:02

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:	180	Resp:	221681
Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.2	114.2
145	30.6	25.8	38.6

