

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050124\
 Data File : VV035490.D
 Acq On : 01 May 2024 12:12
 Operator : SY/MD
 Sample : VIBLK284
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 02 01:15:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050124WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 02 01:07:15 2024
 Response via : Initial Calibration

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

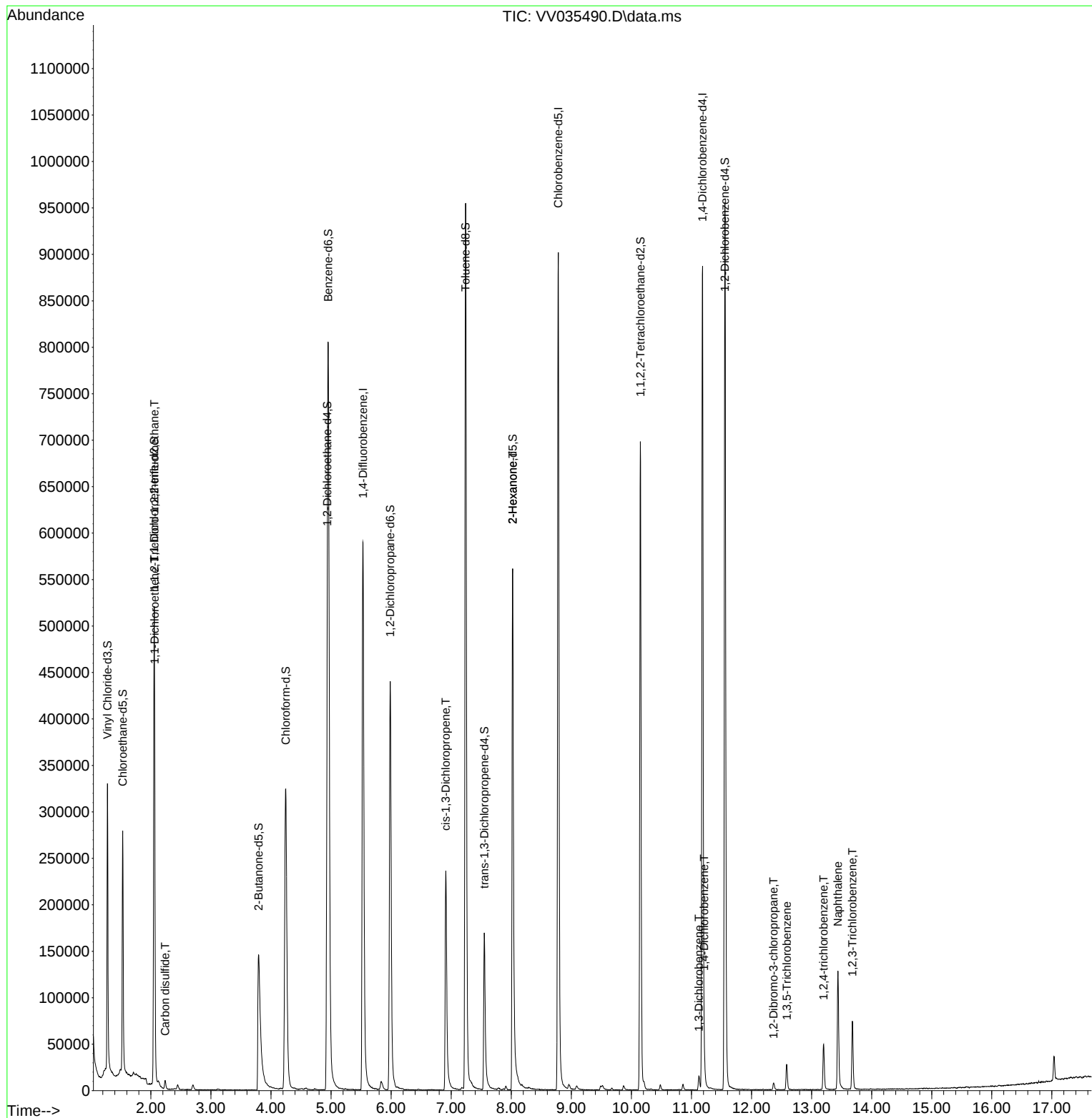
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	547827	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	527244	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	242538	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	204469	48.406	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	96.820%		
7) Chloroethane-d5	1.532	69	169280	54.381	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	108.760%		
11) 1,1-Dichloroethene-d2	2.056	65	87236	48.111	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	96.220%		
21) 2-Butanone-d5	3.793	46	282651	99.148	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	99.150%		
24) Chloroform-d	4.246	84	367970	47.492	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.980%		
26) 1,2-Dichloroethane-d4	4.937	65	223856	49.061	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.120%		
32) Benzene-d6	4.953	84	758811	51.130	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	102.260%		
36) 1,2-Dichloropropane-d6	5.985	67	232863	50.324	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	100.640%		
41) Toluene-d8	7.239	98	666950	49.372	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.740%		
43) trans-1,3-Dichloroprop...	7.551	79	110110	48.824	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	97.640%		
47) 2-Hexanone-d5	8.024	63	226185	106.370	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	106.370%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	342143	48.524	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	97.040%		
66) 1,2-Dichlorobenzene-d4	11.557	152	257753	53.490	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	106.980%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.059	101	3533	0.990	ug/L #	42
12) 1,1-Dichloroethene	2.063	96	3439	1.078	ug/L #	1
14) Carbon disulfide	2.240	76	10568	1.261	ug/L	99
39) cis-1,3-Dichloropropene	6.908	75	6393	1.041	ug/L #	75
48) 2-Hexanone	8.024	43	21907	5.156	ug/L #	63
64) 1,3-Dichlorobenzene	11.123	146	7597	1.048	ug/L	96
65) 1,4-Dichlorobenzene	11.210	146	10027	1.310	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.365	75	2498	1.743	ug/L #	83
69) 1,3,5-Trichlorobenzene	12.586	180	9897	1.798	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	16850	3.475	ug/L	98
71) Naphthalene	13.438	128	108606	7.991	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	24325	4.832	ug/L	99

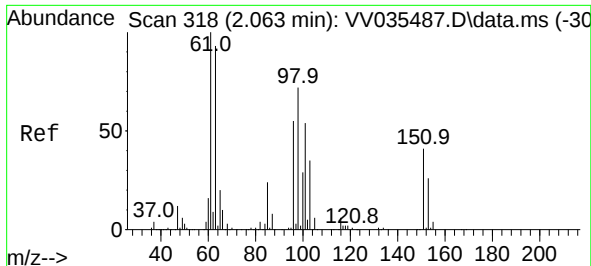
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu May 02 01:07:15 2024
Response via : Initial Calibration





#10

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

Concen: 0.990 ug/L

RT: 2.059 min Scan# 317

Delta R.T. -0.004 min

Lab File: VV035490.D

Acq: 01 May 2024 12:12

Instrument :

MSVOA_V

ClientSampleId :

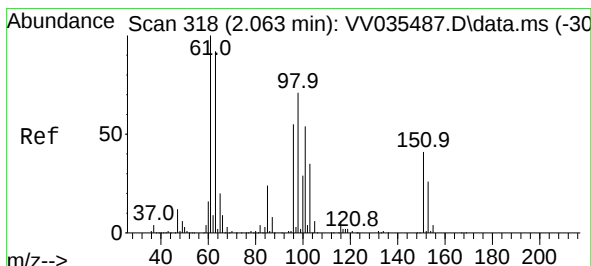
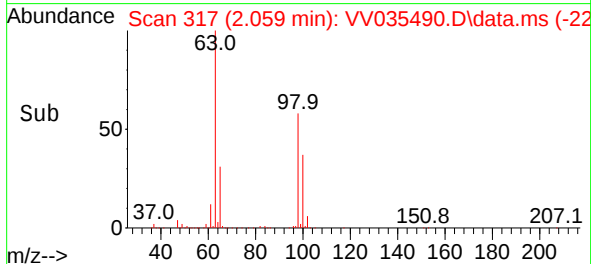
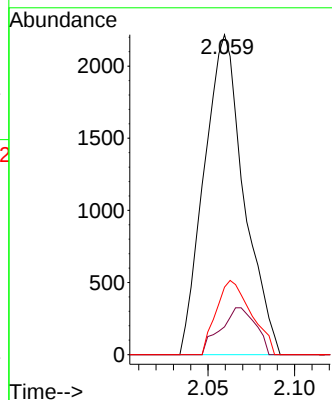
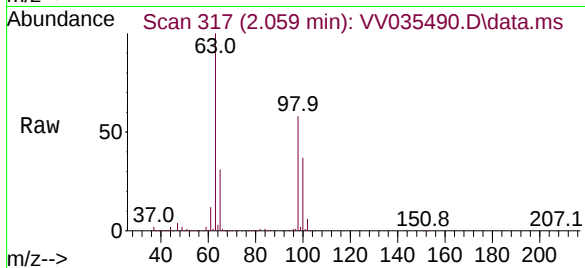
Tgt Ion:101 Resp: 3533

Ion Ratio Lower Upper

101 100

85 12.9 34.4 51.6#

151 20.5 60.1 90.1#



#12

1,1-Dichloroethene

Concen: 1.078 ug/L

RT: 2.063 min Scan# 318

Delta R.T. -0.000 min

Lab File: VV035490.D

Acq: 01 May 2024 12:12

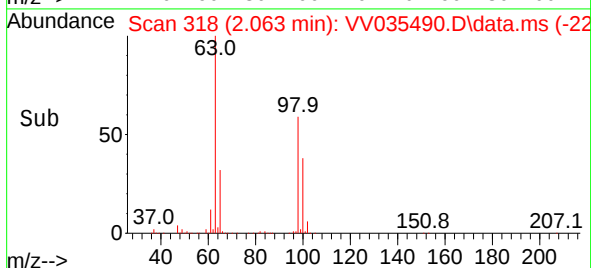
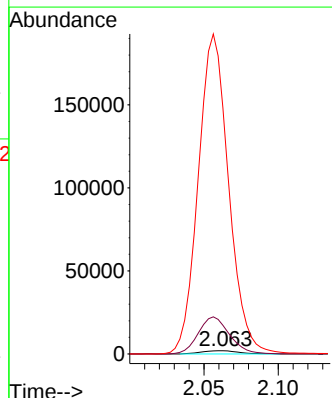
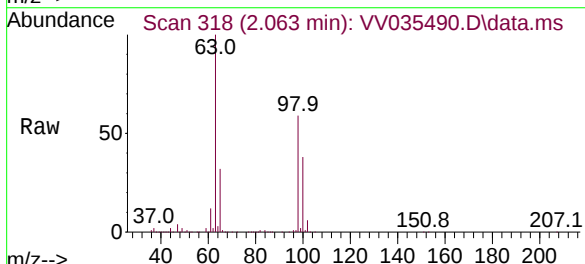
Tgt Ion: 96 Resp: 3439

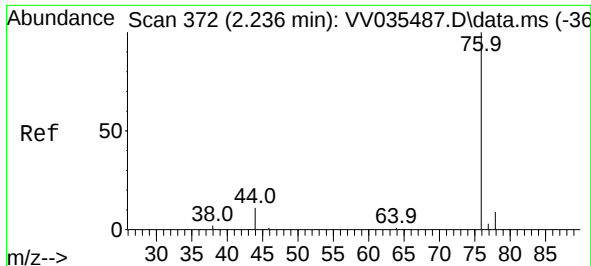
Ion Ratio Lower Upper

96 100

61 884.6 126.5 234.9#

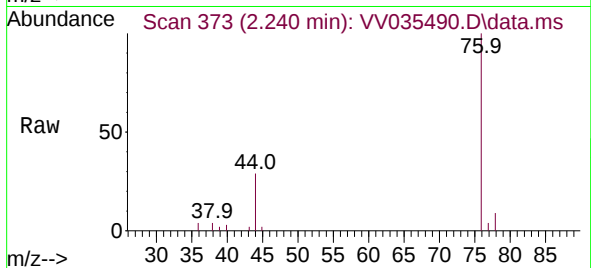
63 7598.6 118.1 219.3#



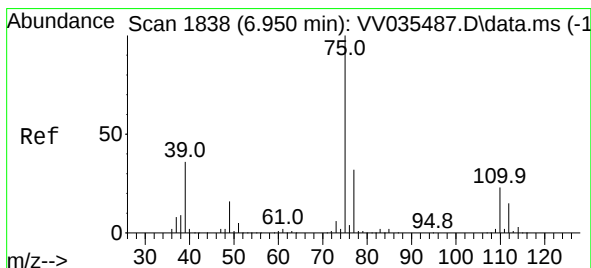
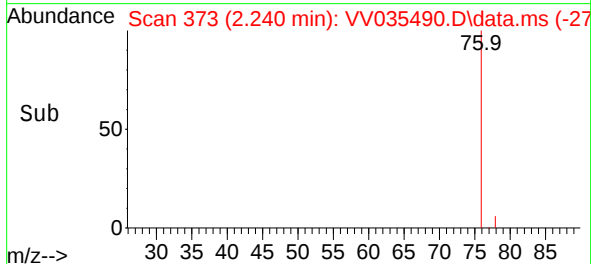
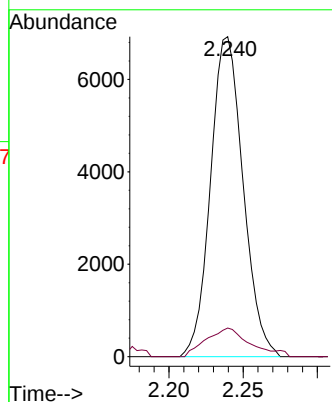


#14
Carbon disulfide
Concen: 1.261 ug/L
RT: 2.240 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV035490.D
Acq: 01 May 2024 12:12

Instrument :
MSVOA_V
ClientSampleId :

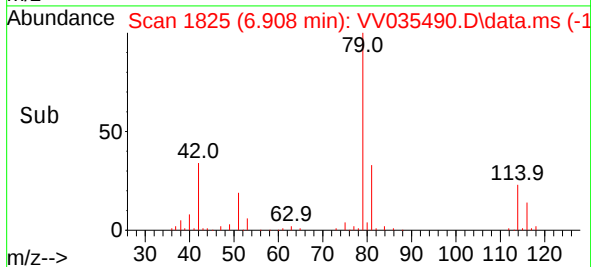
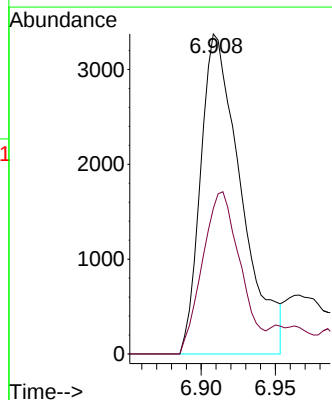
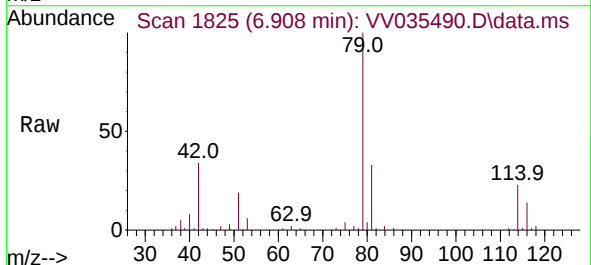


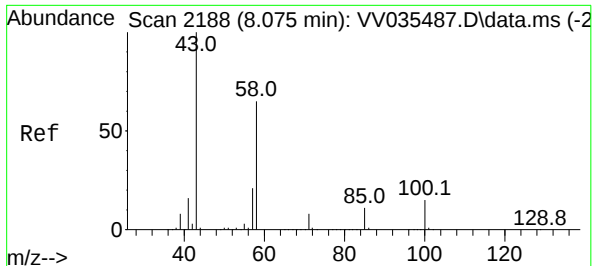
Tgt Ion: 76 Resp: 10568
Ion Ratio Lower Upper
76 100
78 9.0 7.6 11.4



#39
cis-1,3-Dichloropropene
Concen: 1.041 ug/L
RT: 6.908 min Scan# 1825
Delta R.T. -0.042 min
Lab File: VV035490.D
Acq: 01 May 2024 12:12

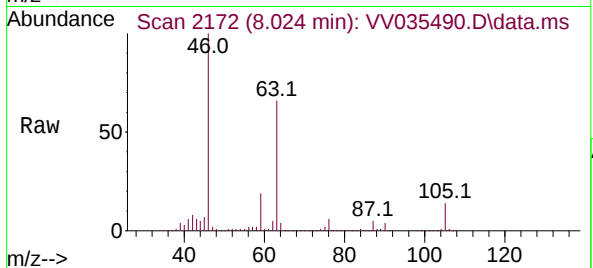
Tgt Ion: 75 Resp: 6393
Ion Ratio Lower Upper
75 100
77 45.5 22.3 41.3#



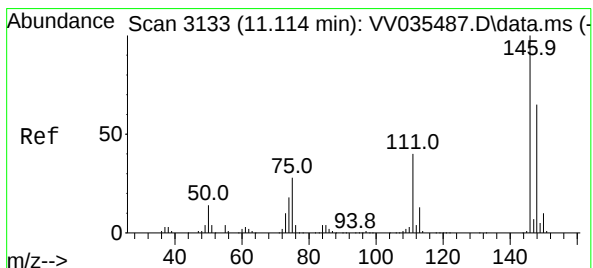
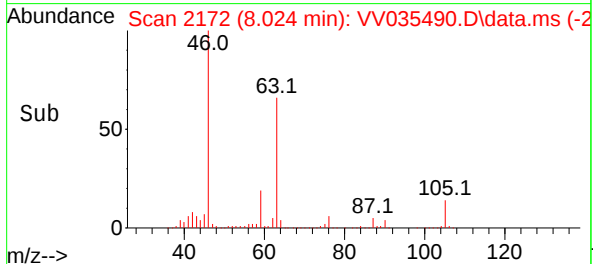
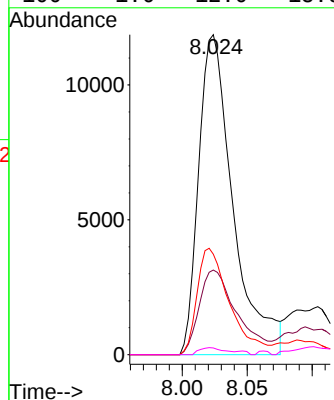


#48
2-Hexanone
Concen: 5.156 ug/L
RT: 8.024 min Scan# 2188
Delta R.T. -0.052 min
Lab File: VV035490.D
Acq: 01 May 2024 12:12

Instrument :
MSVOA_V
ClientSampleId :

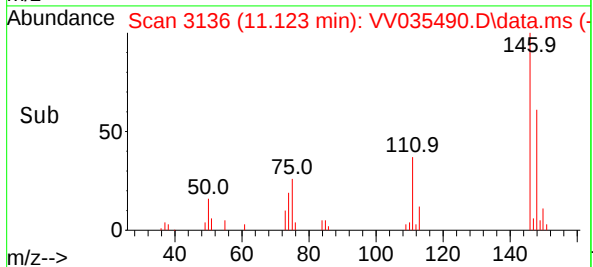
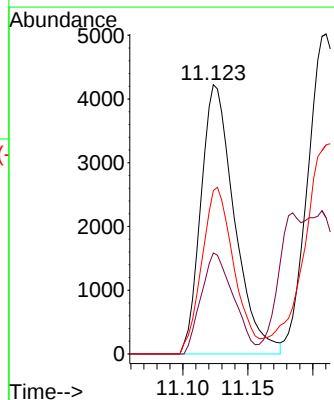
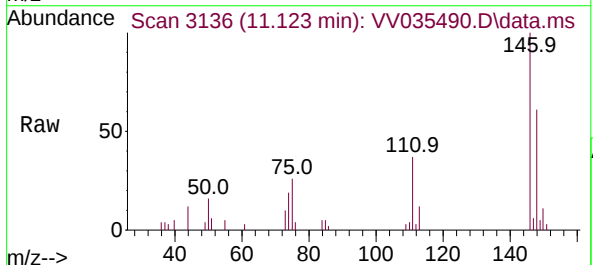


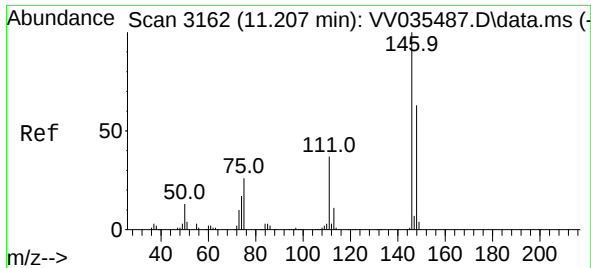
Tgt Ion: 43	Resp: 21907
Ion Ratio	Lower Upper
43 100	
58 29.2	50.8 76.2#
57 31.3	17.6 26.4#
100 1.6	12.0 18.0#



#64
1,3-Dichlorobenzene
Concen: 1.048 ug/L
RT: 11.123 min Scan# 3136
Delta R.T. 0.010 min
Lab File: VV035490.D
Acq: 01 May 2024 12:12

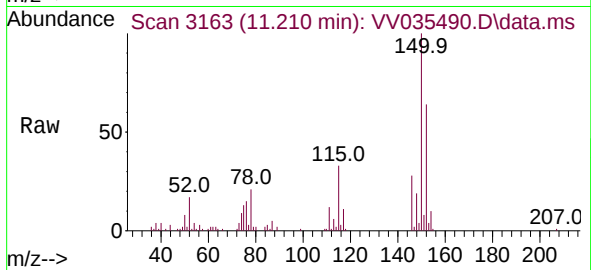
Tgt Ion:146	Resp:	7597	
Ion	Ratio	Lower	Upper
146	100		
111	37.5	27.9	51.7
148	60.7	45.1	83.9



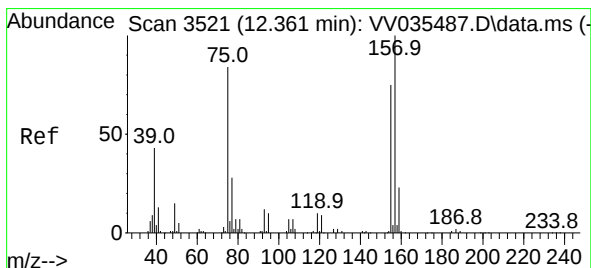
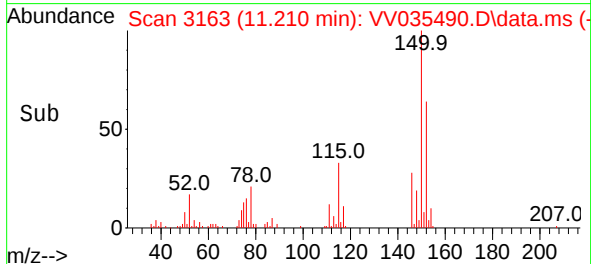
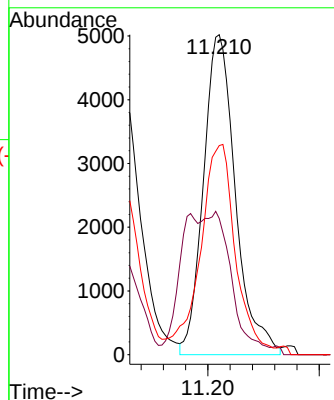


#65
1,4-Dichlorobenzene
Concen: 1.310 ug/L
RT: 11.210 min Scan# 3162
Delta R.T. 0.003 min
Lab File: VV035490.D
Acq: 01 May 2024 12:12

Instrument :
MSVOA_V
ClientSampleId :

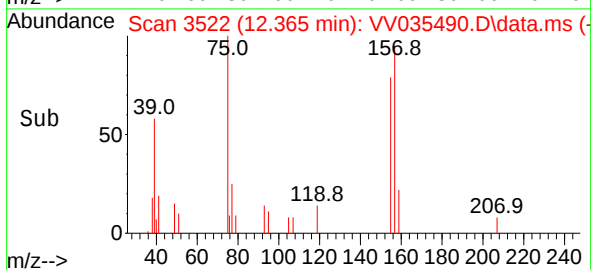
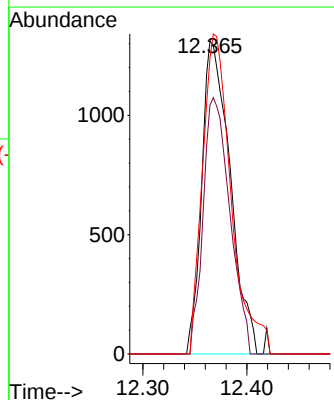
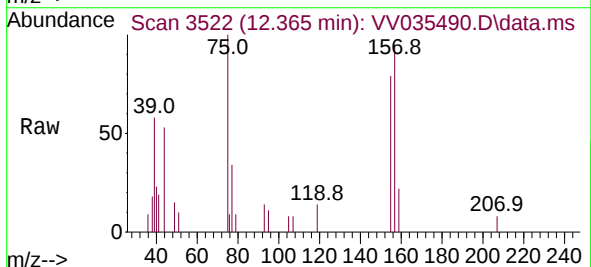


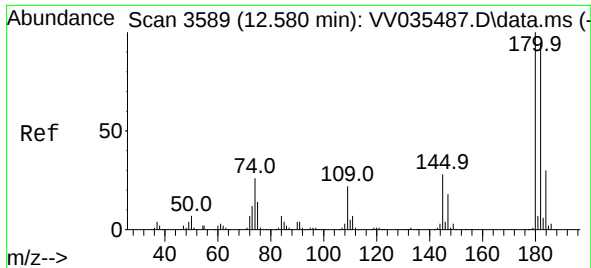
Tgt Ion:146 Resp: 10027
Ion Ratio Lower Upper
146 100
111 42.5 26.4 49.0
148 65.3 44.3 82.3



#68
1,2-Dibromo-3-chloropropane
Concen: 1.743 ug/L
RT: 12.365 min Scan# 3522
Delta R.T. 0.003 min
Lab File: VV035490.D
Acq: 01 May 2024 12:12

Tgt Ion: 75 Resp: 2498
Ion Ratio Lower Upper
75 100
155 79.5 71.4 107.2
157 94.5 95.0 142.4#





#69

1,3,5-Trichlorobenzene

Concen: 1.798 ug/L

RT: 12.586 min Scan# 3591

Delta R.T. 0.006 min

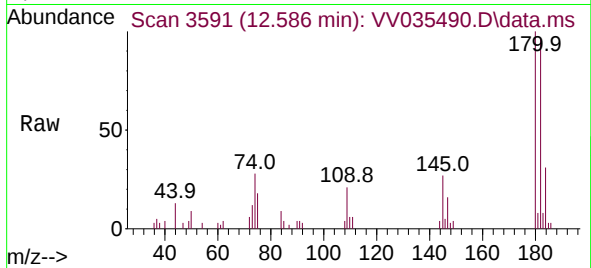
Lab File: VV035490.D

Acq: 01 May 2024 12:12

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 9897

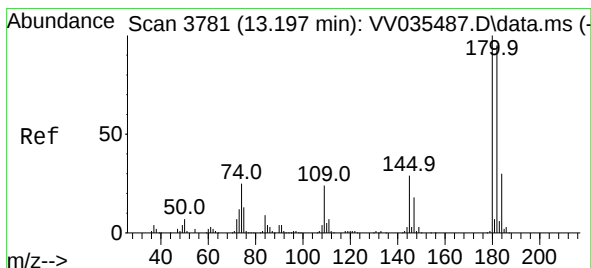
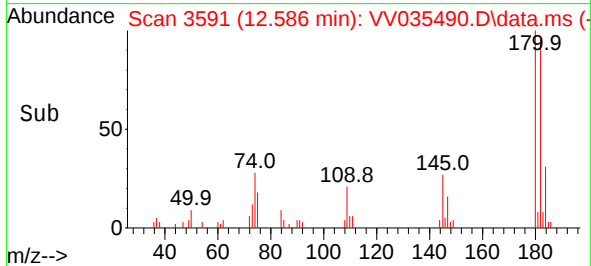
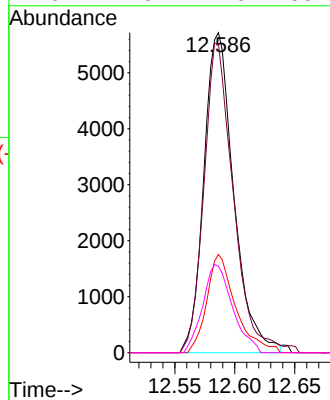
Ion Ratio Lower Upper

180 100

182 94.9 75.7 113.5

184 29.4 24.1 36.1

145 27.5 22.5 33.7



#70

1,2,4-trichlorobenzene

Concen: 3.475 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.003 min

Lab File: VV035490.D

Acq: 01 May 2024 12:12

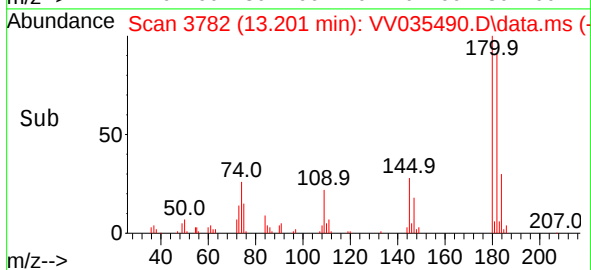
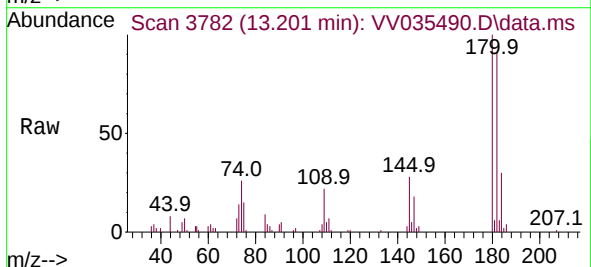
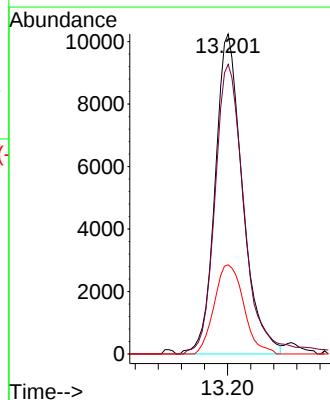
Tgt Ion:180 Resp: 16850

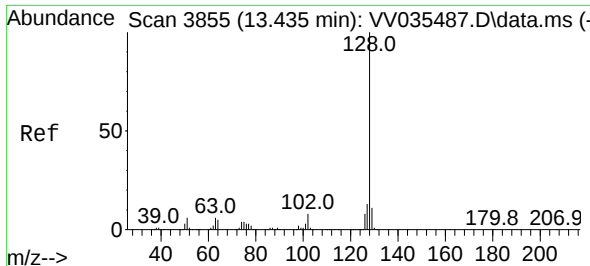
Ion Ratio Lower Upper

180 100

182 96.0 75.7 113.5

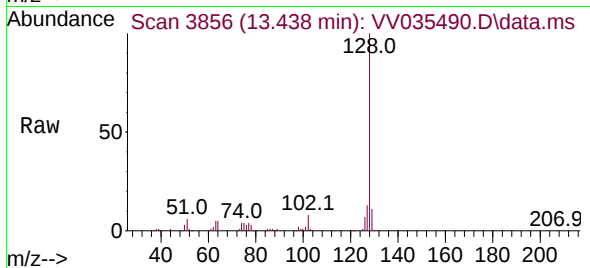
145 30.0 23.0 34.4



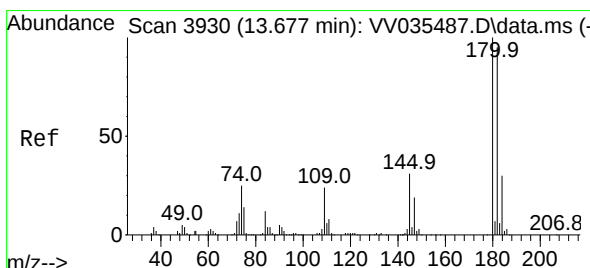
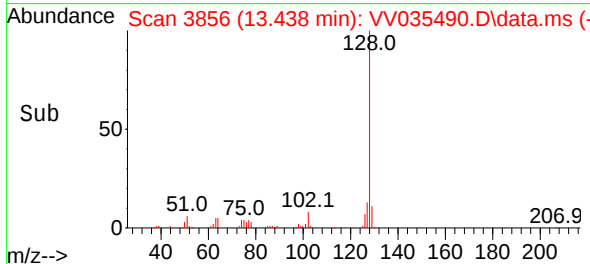
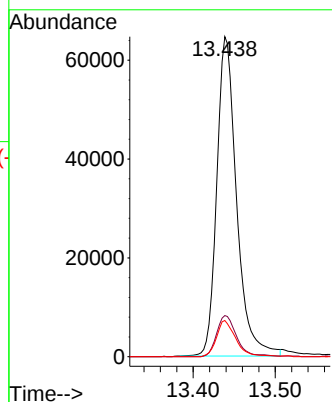


#71
Naphthalene
Concen: 7.991 ug/L
RT: 13.438 min Scan# 3855
Delta R.T. 0.003 min
Lab File: VV035490.D
Acq: 01 May 2024 12:12

Instrument :
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ClientSampleId :



Tgt Ion:128 Resp: 108606
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.4
129 11.1 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 4.832 ug/L
RT: 13.680 min Scan# 3931
Delta R.T. 0.003 min
Lab File: VV035490.D
Acq: 01 May 2024 12:12

Tgt Ion:180 Resp: 24325
Ion Ratio Lower Upper
180 100
182 96.6 76.2 114.2
145 30.6 24.9 37.3

