

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041824\
 Data File : VW035282.D
 Acq On : 18 Apr 2024 14:50
 Operator : SY/MD
 Sample : P2158-06
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

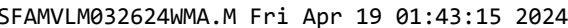
Quant Time: Apr 19 01:43:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM032624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 10 04:53:36 2024
 Response via : Initial Calibration

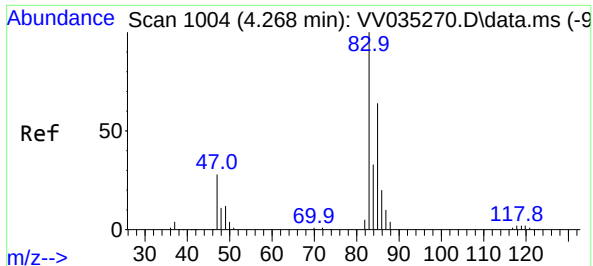
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	362188	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	379302	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	236105	50.000	ug/L	# 0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	149946	42.868	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.740%
7) Chloroethane-d5	1.526	69	127024	41.810	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.620%
11) 1,1-Dichloroethene-d2	2.056	65	64219	41.883	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.760%
21) 2-Butanone-d5	3.789	46	201913	97.331	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.330%
24) Chloroform-d	4.246	84	291395	49.549	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.100%
26) 1,2-Dichloroethane-d4	4.941	65	186758	50.018	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.040%
32) Benzene-d6	4.960	84	587230	46.090	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.180%
36) 1,2-Dichloropropane-d6	5.986	67	185948	45.960	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.920%
41) Toluene-d8	7.239	98	490792	42.773	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.540%
43) trans-1,3-Dichloroprop...	7.551	79	78775	40.051	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.100%
47) 2-Hexanone-d5	8.027	63	140360	91.758	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.760%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	265445	47.644	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.280%
66) 1,2-Dichlorobenzene-d4	11.571	152	239620	45.202	ug/L	0.01
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.400%
Target Compounds						
					Qvalue	
25) Chloroform	4.275	83	59329	11.135	ug/L	100
27) 1,2-Dichloroethane	5.008	62	288655	68.042	ug/L	# 75
29) Cyclohexane	4.580	56	7355	1.548	ug/L	# 63
31) Carbon tetrachloride	4.735	117	48096	11.477	ug/L	99
39) cis-1,3-Dichloropropene	6.912	75	4577	0.850	ug/L	# 52
46) Tetrachloroethene	7.912	164	3422	1.467	ug/L	96
48) 2-Hexanone	8.024	43	15332	4.131	ug/L	# 71
64) 1,3-Dichlorobenzene	11.117	146	5053852	635.358	ug/L	97
65) 1,4-Dichlorobenzene	11.117	146	5053852	624.782	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.333	75	13993	9.927	ug/L	# 7
70) 1,2,4-trichlorobenzene	13.197	180	5938817	1127.784	ug/L	98
72) 1,2,3-Trichlorobenzene	13.677	180	1972603	380.025	ug/L	99

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

Quant Time: Apr 19 01:43:11 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





#25

Chloroform

Concen: 11.135 ug/L

RT: 4.275 min Scan# 10

Delta R.T. 0.003 min

Lab File: VV035282.D

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Instrument :

MSVOA_V

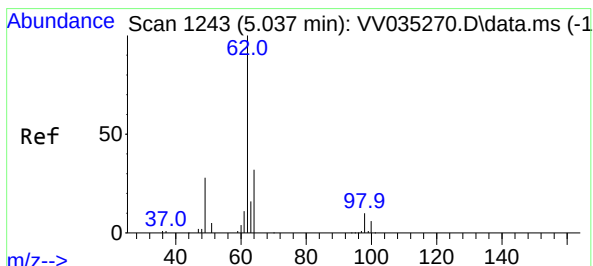
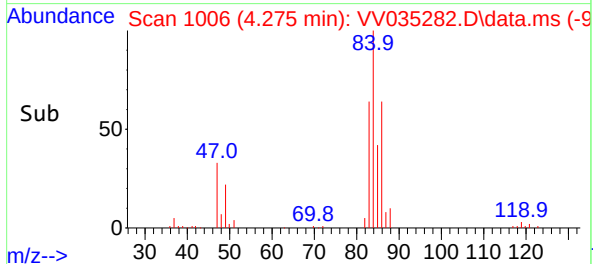
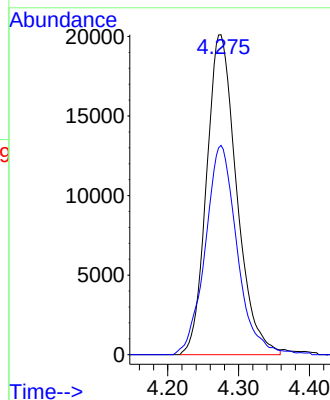
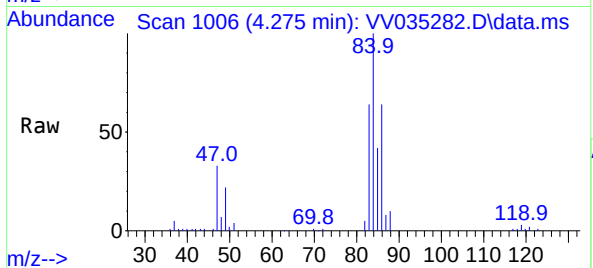
ClientSampleId :

Tgt Ion: 83 Resp: 59329

Ion Ratio Lower Upper

83 100

85 65.4 46.0 85.4



#27

1,2-Dichloroethane

Concen: 68.042 ug/L

RT: 5.008 min Scan# 1234

Delta R.T. -0.029 min

Lab File: VV035282.D

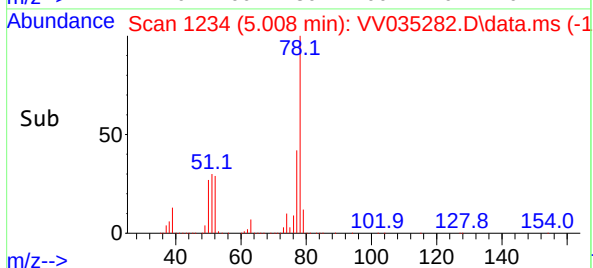
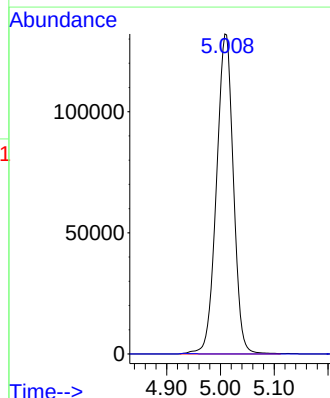
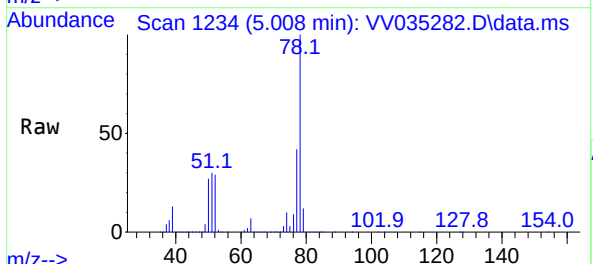
Acq: 18 Apr 2024 14:50

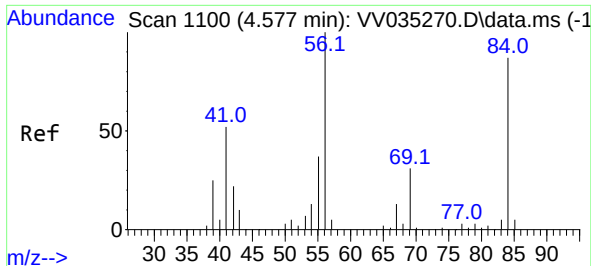
Tgt Ion: 62 Resp: 288655

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#





#29

Cyclohexane

Concen: 1.548 ug/L

RT: 4.580 min Scan# 1101

Delta R.T. 0.003 min

Lab File: VV035282.D

Acq: 18 Apr 2024 14:50

Instrument :

MSVOA_V

ClientSampleId :

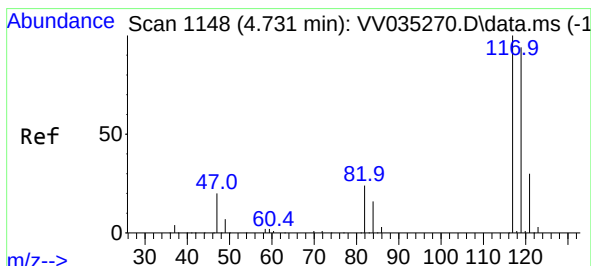
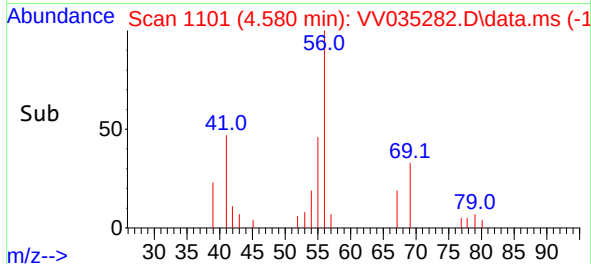
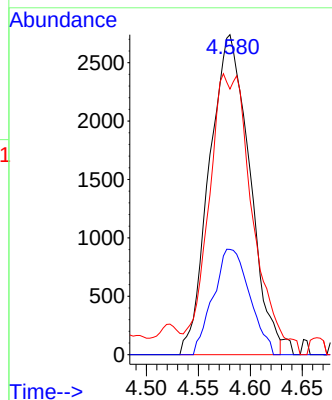
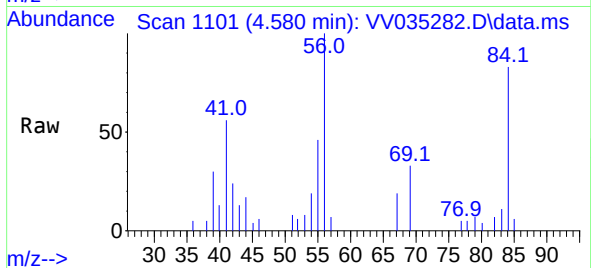
Tgt Ion: 56 Resp: 7355

Ion Ratio Lower Upper

56 100

69 29.9 24.2 36.2

84 41.5 69.8 104.8#



#31

Carbon tetrachloride

Concen: 11.477 ug/L

RT: 4.735 min Scan# 1149

Delta R.T. 0.003 min

Lab File: VV035282.D

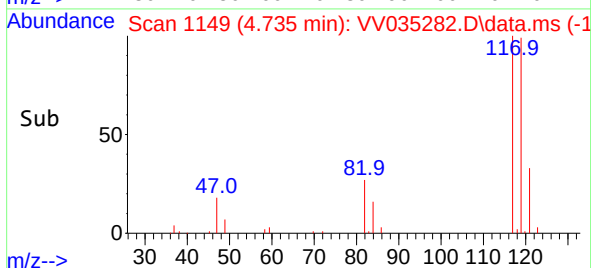
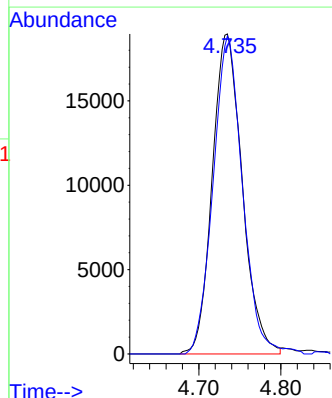
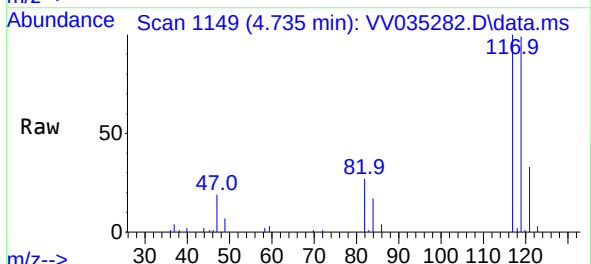
Acq: 18 Apr 2024 14:50

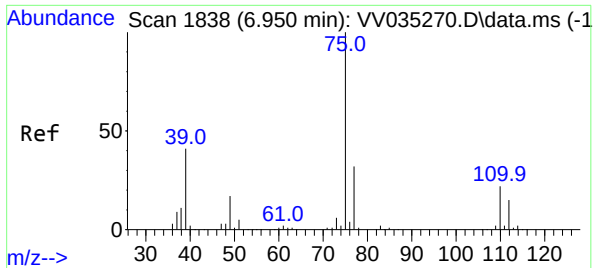
Tgt Ion: 117 Resp: 48096

Ion Ratio Lower Upper

117 100

119 97.0 77.1 115.7





#39

cis-1,3-Dichloropropene

Concen: 0.850 ug/L

RT: 6.912 min Scan# 11

Delta R.T. -0.039 min

Lab File: VV035282.D

Acq: 18 Apr 2024 14:50

Instrument :

MSVOA_V

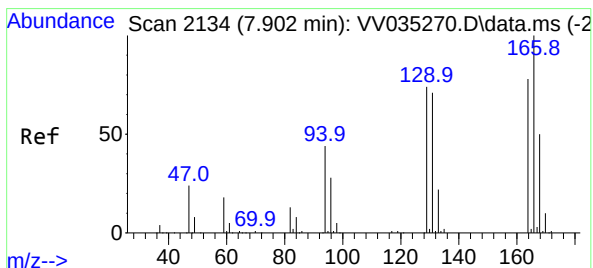
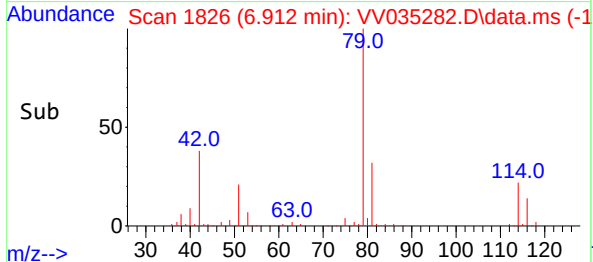
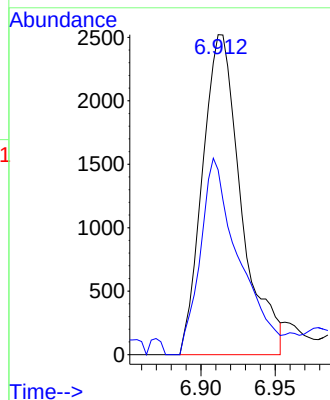
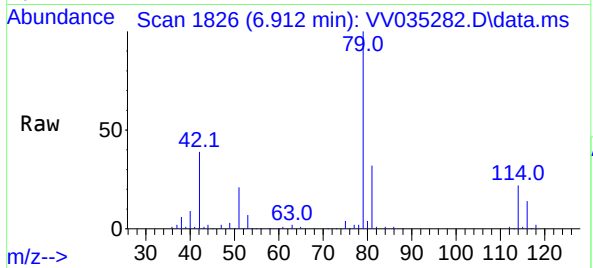
ClientSampleId :

Tgt Ion: 75 Resp: 4577

Ion Ratio Lower Upper

75 100

77 57.8 21.9 40.7#



#46

Tetrachloroethene

Concen: 1.467 ug/L

RT: 7.912 min Scan# 2137

Delta R.T. 0.010 min

Lab File: VV035282.D

Acq: 18 Apr 2024 14:50

Tgt Ion: 164 Resp: 3422

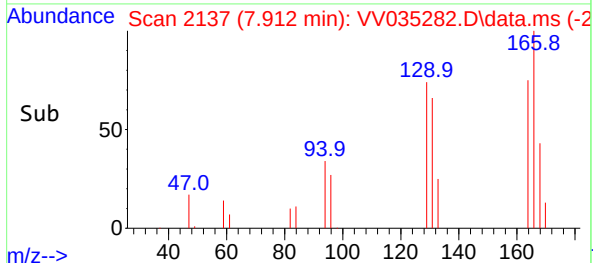
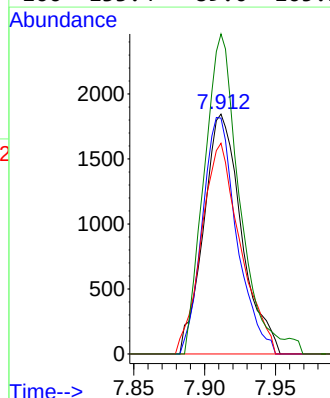
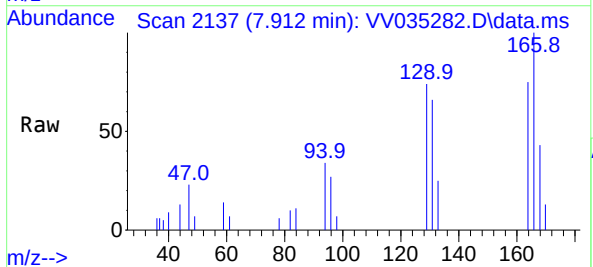
Ion Ratio Lower Upper

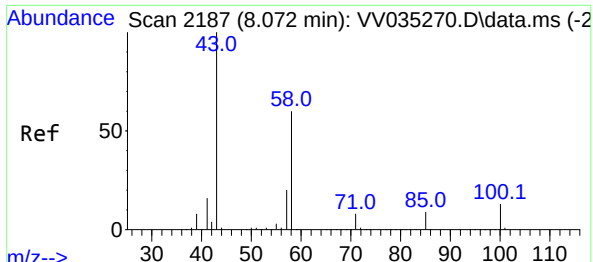
164 100

129 98.4 68.6 127.4

131 87.9 65.7 122.1

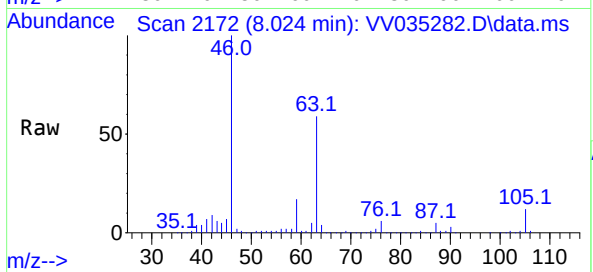
166 133.4 89.0 165.2



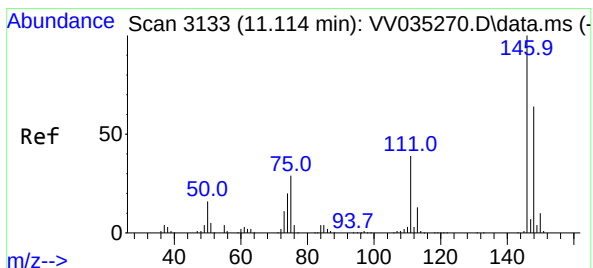
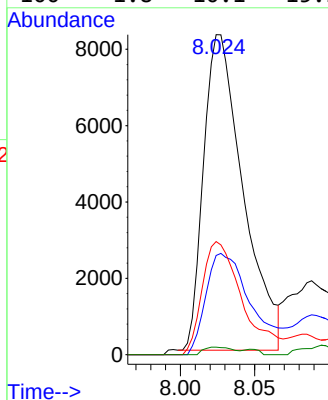
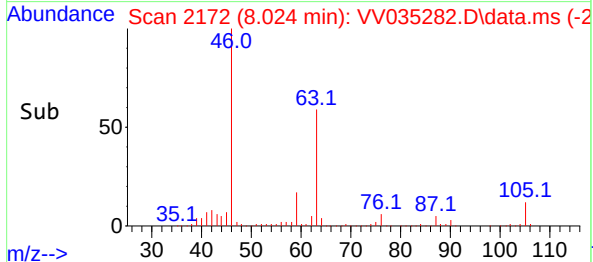


#48
2-Hexanone
Concen: 4.131 ug/L
RT: 8.024 min Scan# 2187
Delta R.T. -0.048 min
Lab File: VV035282.D
Acq: 18 Apr 2024 14:50

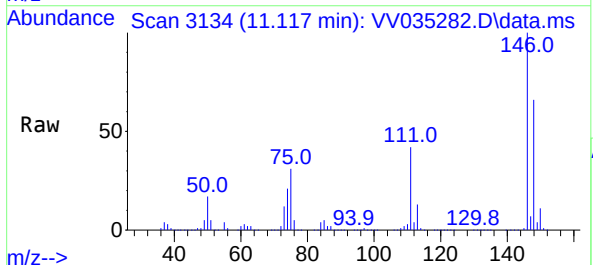
Instrument :
MSVOA_V
ClientSampleId :



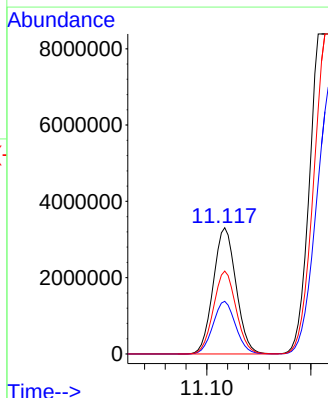
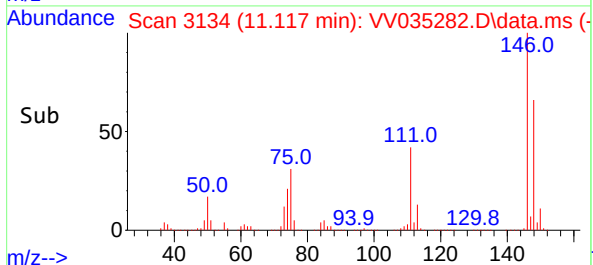
Tgt Ion: 43 Resp: 15332
Ion Ratio Lower Upper
43 100
58 36.9 45.4 68.2#
57 36.5 16.2 24.4#
100 1.8 10.1 15.1#

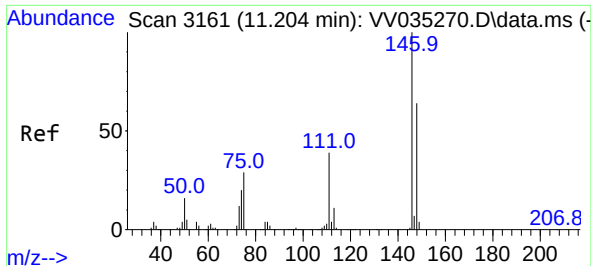


#64
1,3-Dichlorobenzene
Concen: 635.358 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. 0.003 min
Lab File: VV035282.D
Acq: 18 Apr 2024 14:50



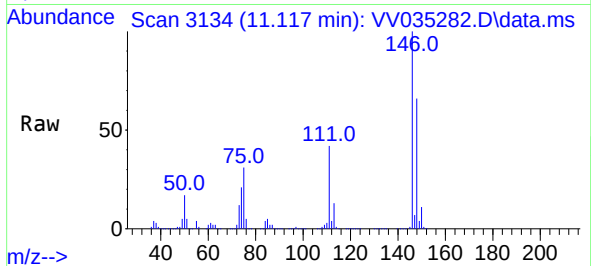
Tgt Ion:146 Resp: 5053852
Ion Ratio Lower Upper
146 100
111 41.6 28.7 53.3
148 65.6 44.0 81.8



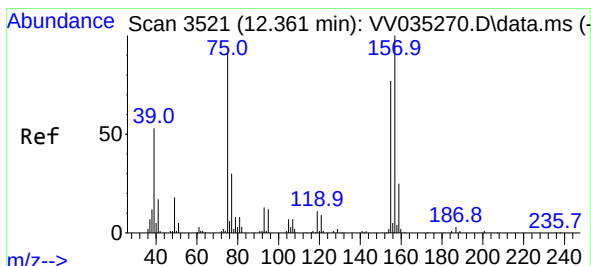
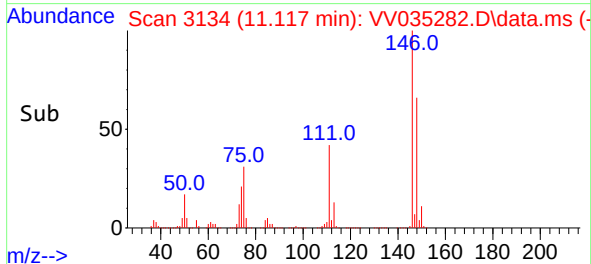
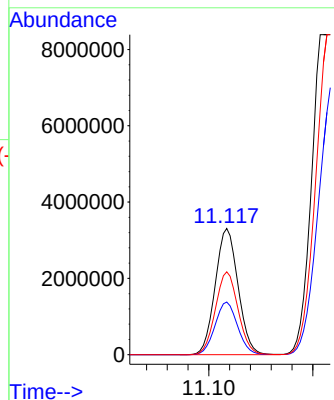


#65
1,4-Dichlorobenzene
Concen: 624.782 ug/L
RT: 11.117 min Scan# 3161
Delta R.T. -0.090 min
Lab File: VV035282.D
Acq: 18 Apr 2024 14:50

Instrument :
MSVOA_V
ClientSampleId :

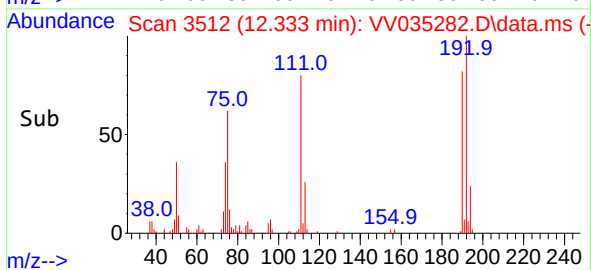
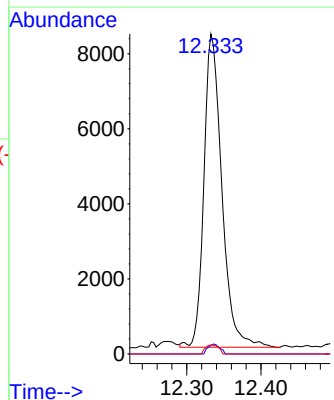
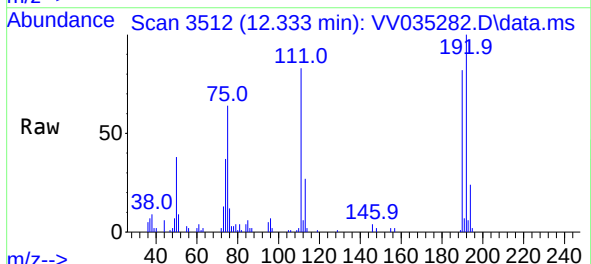


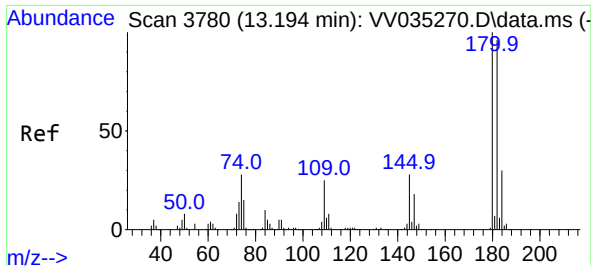
Tgt Ion:146 Resp: 5053852
Ion Ratio Lower Upper
146 100
111 41.6 27.4 50.8
148 65.6 44.2 82.2



#68
1,2-Dibromo-3-chloropropane
Concen: 9.927 ug/L
RT: 12.333 min Scan# 3512
Delta R.T. -0.029 min
Lab File: VV035282.D
Acq: 18 Apr 2024 14:50

Tgt Ion: 75 Resp: 13993
Ion Ratio Lower Upper
75 100
155 2.7 63.0 94.6#
157 2.8 81.0 121.4#

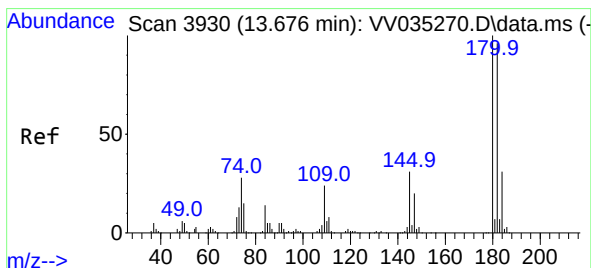
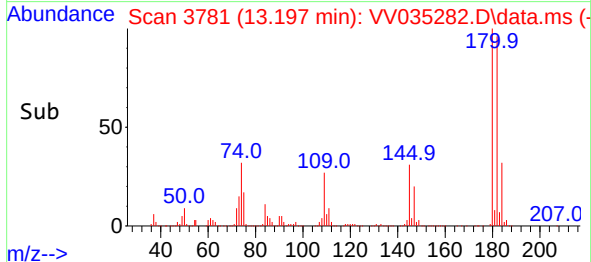
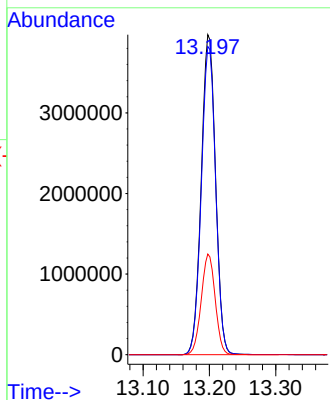
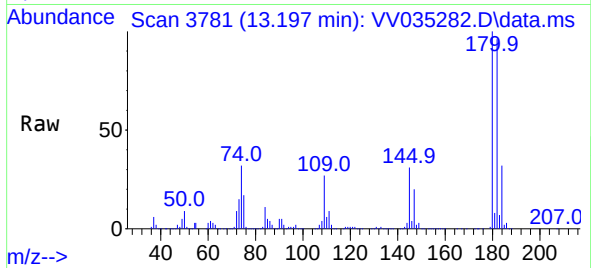




#70
1,2,4-trichlorobenzene
Concen: 1127.784 ug/L
RT: 13.197 min Scan# 3780
Delta R.T. 0.003 min
Lab File: VV035282.D
Acq: 18 Apr 2024 14:50

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:180 Resp: 5938817
Ion Ratio Lower Upper
180 100
182 96.4 75.6 113.4
145 30.7 24.1 36.1



#72
1,2,3-Trichlorobenzene
Concen: 380.025 ug/L
RT: 13.677 min Scan# 3930
Delta R.T. 0.000 min
Lab File: VV035282.D
Acq: 18 Apr 2024 14:50

Tgt Ion:180 Resp: 1972603
Ion Ratio Lower Upper
180 100
182 96.2 76.2 114.2
145 31.4 25.8 38.6

