

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV040524\
 Data File : VV035027.D
 Acq On : 06 Apr 2024 00:39
 Operator : SY/MD
 Sample : P2006-15
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 06 03:19:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM032624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 06 02:25:24 2024
 Response via : Initial Calibration

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

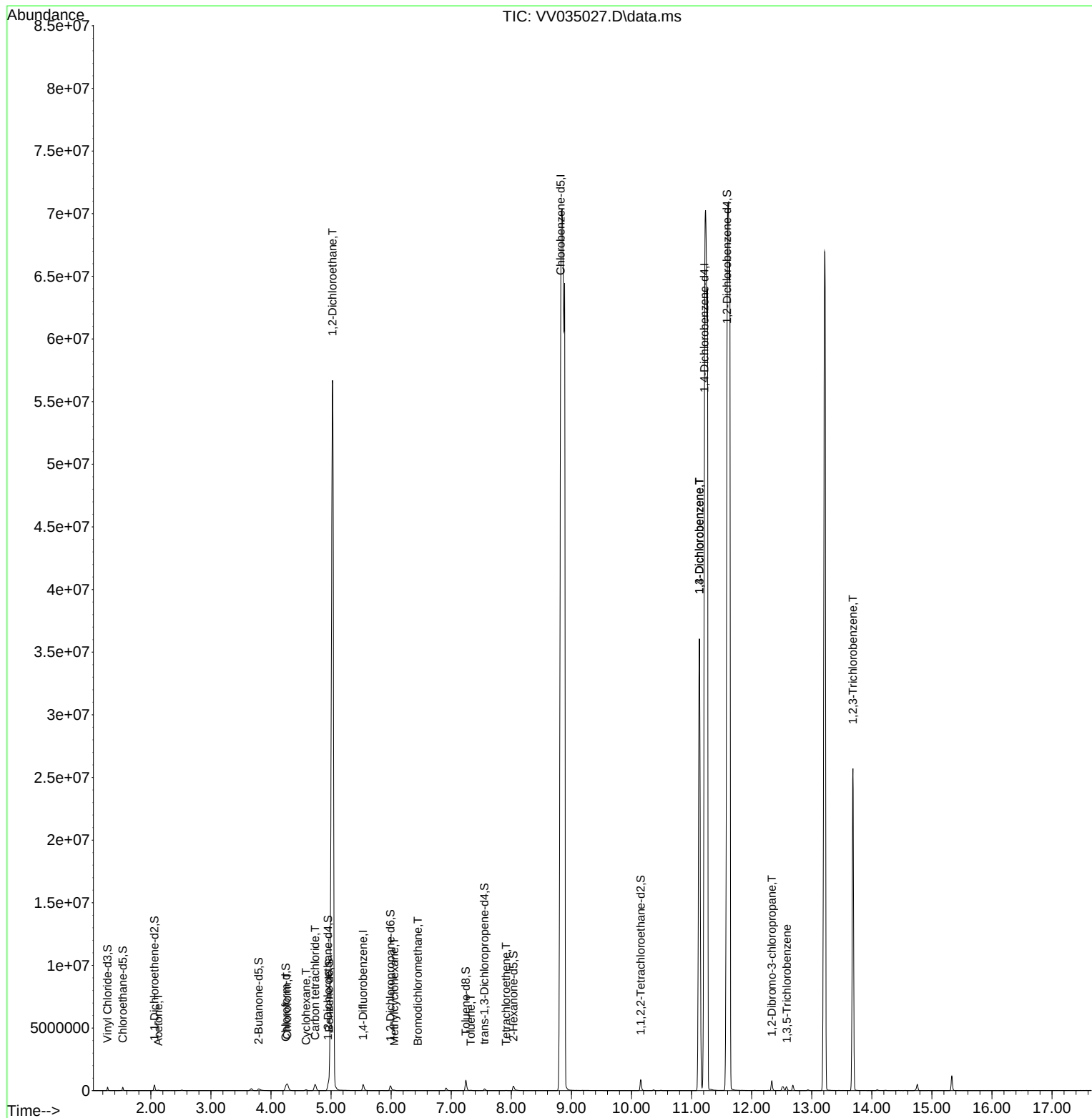
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	417119	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.821	117	410420	50.000	ug/L	0.04
58) 1,4-Dichlorobenzene-d4	11.214	152	238676	50.000	ug/L	# 0.03
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	176641	43.850	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	87.700%		
7) Chloroethane-d5	1.532	69	162507	46.445	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	92.900%		
11) 1,1-Dichloroethene-d2	2.060	65	78659	44.545	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	89.100%		
21) 2-Butanone-d5	3.793	46	206078	86.257	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	86.260%		
24) Chloroform-d	4.246	84	318395	47.010	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.020%		
26) 1,2-Dichloroethane-d4	4.947	65	198995	46.277	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.560%		
32) Benzene-d6	4.966	84	636589	46.176	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.360%		
36) 1,2-Dichloropropane-d6	5.989	67	197928	45.212	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	90.420%		
41) Toluene-d8	7.243	98	561261	45.206	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	90.420%		
43) trans-1,3-Dichloroprop...	7.551	79	89422	42.017	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	84.040%		
47) 2-Hexanone-d5	8.034	63	143012	86.403	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	86.400%		
56) 1,1,2,2-Tetrachloroeth...	10.153	84	293635	48.707	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	97.420%		
66) 1,2-Dichlorobenzene-d4	11.590	152	222136	41.453	ug/L	0.03
Spiked Amount 50.000	Range 80 - 120		Recovery =	82.900%		
Target Compounds						Qvalue
13) Acetone	2.124	43	37825	17.245	ug/L	99
25) Chloroform	4.272	83	468452	76.340	ug/L	97
27) 1,2-Dichloroethane	5.024	62	795435	162.809	ug/L	# 75
29) Cyclohexane	4.584	56	36345	7.070	ug/L	100
31) Carbon tetrachloride	4.735	117	379886	83.778	ug/L	100
35) Methylcyclohexane	6.050	83	15319	2.808	ug/L	# 72
38) Bromodichloromethane	6.442	83	5086	1.066	ug/L	93
42) Toluene	7.326	91	22172	1.582	ug/L	100
46) Tetrachloroethene	7.912	164	4690	1.859	ug/L	83
64) 1,3-Dichlorobenzene	11.130	146	16739174	2081.741	ug/L	90
65) 1,4-Dichlorobenzene	11.130	146	16739174	2047.086	ug/L	89
68) 1,2-Dibromo-3-chloropr...	12.336	75	126108	88.504	ug/L	# 7
69) 1,3,5-Trichlorobenzene	12.587	180	32974	5.690	ug/L	96
72) 1,2,3-Trichlorobenzene	13.686	180	7339124	1398.662	ug/L	99

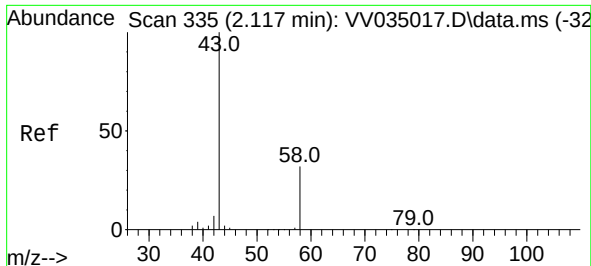
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Apr 06 02:25:24 2024
Response via : Initial Calibration





#13

Acetone

Concen: 17.245 ug/L

RT: 2.124 min Scan# 30

Delta R.T. 0.006 min

Lab File: VV035027.D

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Instrument :

MSVOA_V

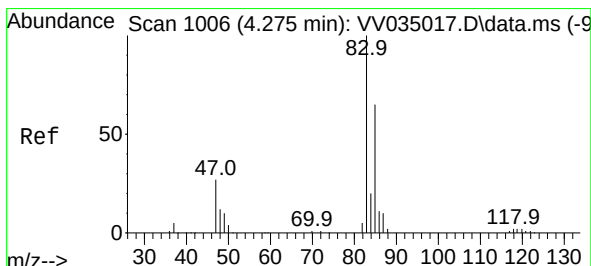
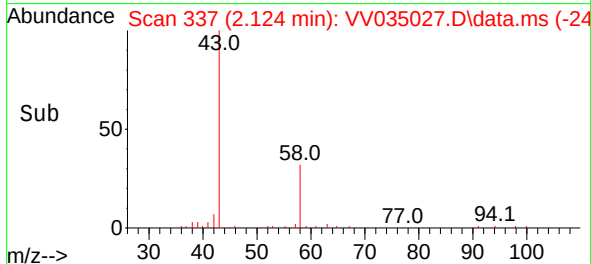
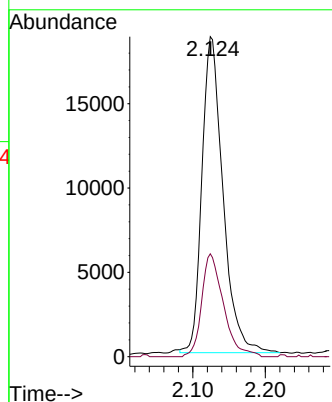
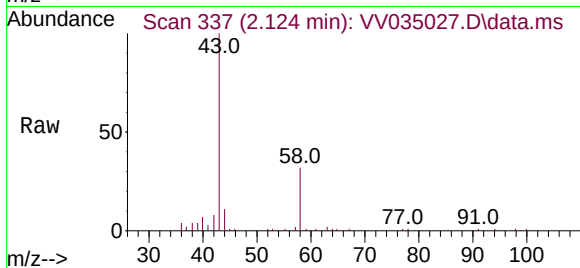
ClientSampleId :

Tgt Ion: 43 Resp: 37825

Ion Ratio Lower Upper

43 100

58 33.6 0.0 66.0



#25

Chloroform

Concen: 76.340 ug/L

RT: 4.272 min Scan# 1005

Delta R.T. -0.003 min

Lab File: VV035027.D

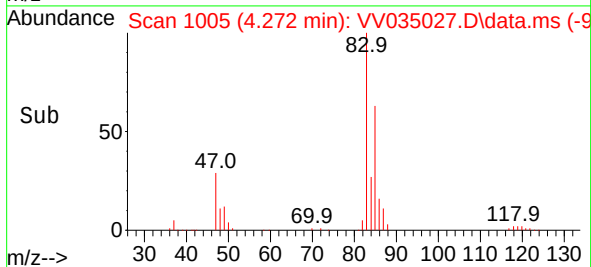
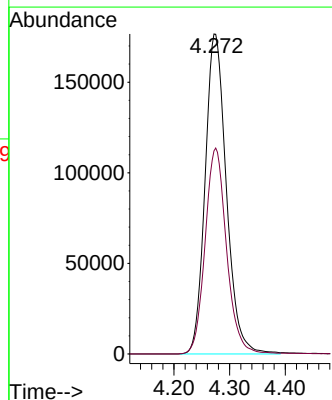
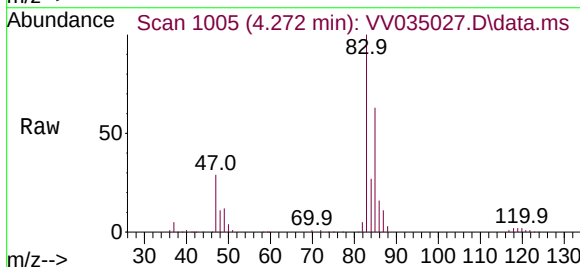
Acq: 06 Apr 2024 00:39

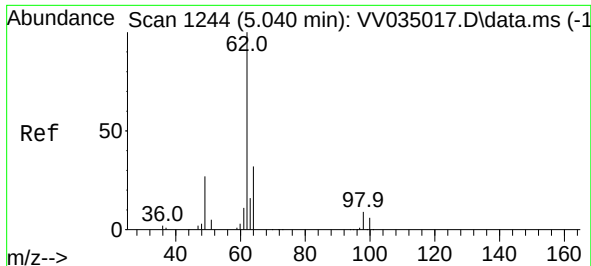
Tgt Ion: 83 Resp: 468452

Ion Ratio Lower Upper

83 100

85 63.5 46.0 85.4





#27

1,2-Dichloroethane

Concen: 162.809 ug/L

RT: 5.024 min Scan# 11

Delta R.T. -0.016 min

Lab File: VV035027.D

Acq: 06 Apr 2024 00:39

Instrument :

MSVOA_V

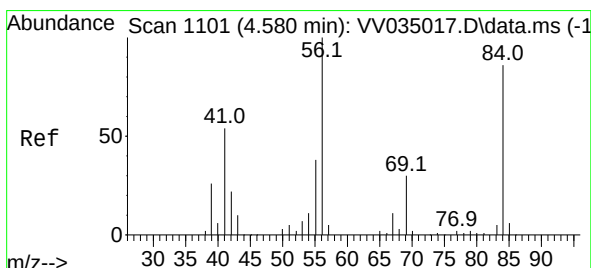
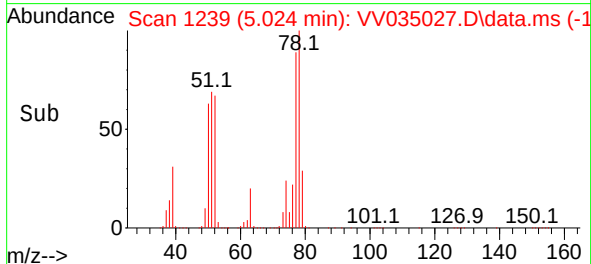
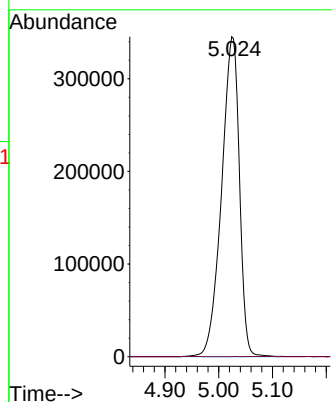
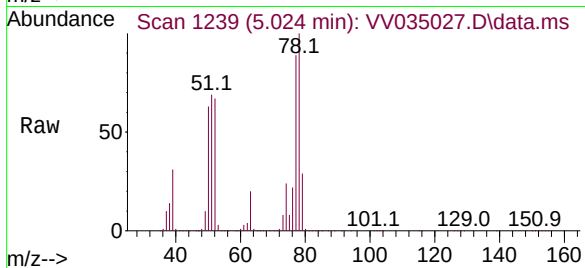
ClientSampleId :

Tgt Ion: 62 Resp: 795435

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#



#29

Cyclohexane

Concen: 7.070 ug/L

RT: 4.584 min Scan# 1102

Delta R.T. 0.003 min

Lab File: VV035027.D

Acq: 06 Apr 2024 00:39

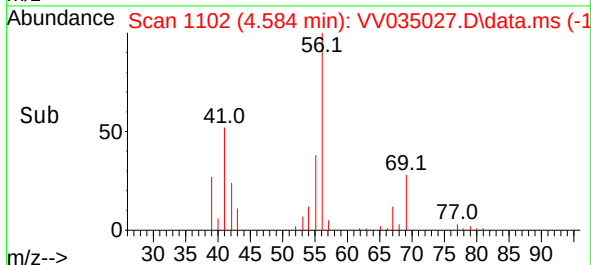
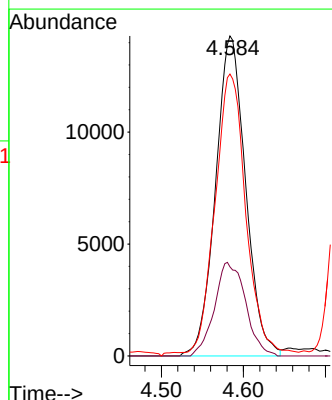
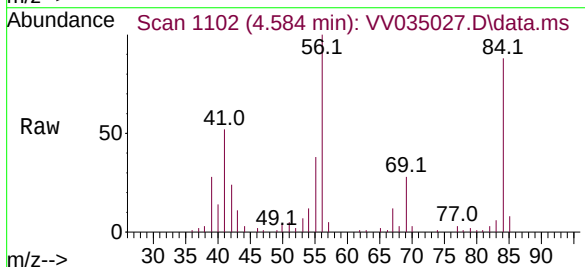
Tgt Ion: 56 Resp: 36345

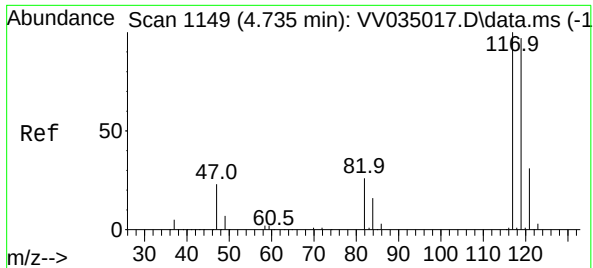
Ion Ratio Lower Upper

56 100

69 30.3 24.2 36.2

84 87.5 69.8 104.8

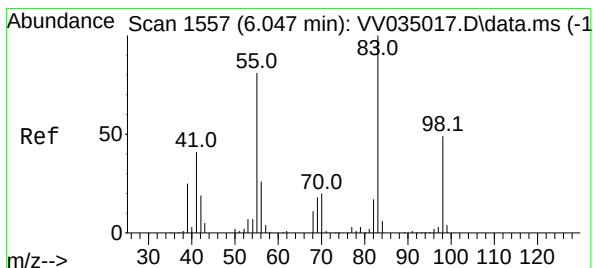
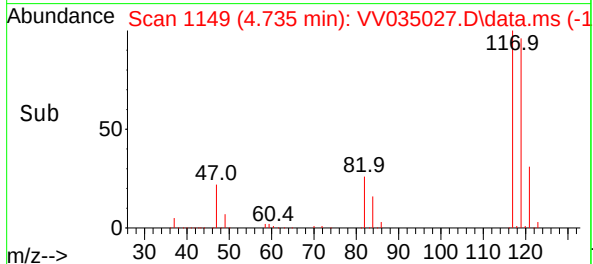
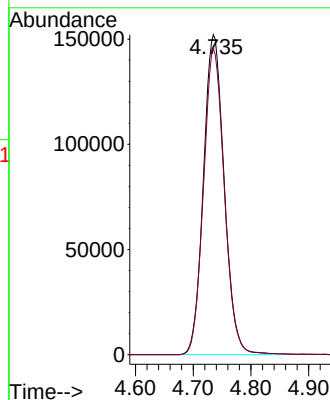
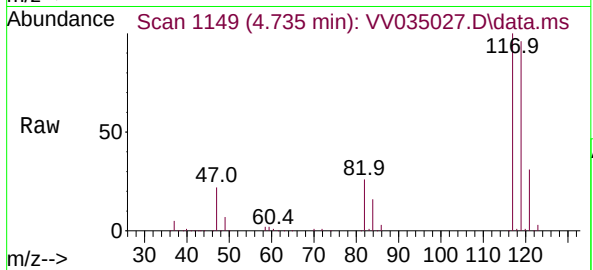




#31
Carbon tetrachloride
Concen: 83.778 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VV035027.D
Acq: 06 Apr 2024 00:39

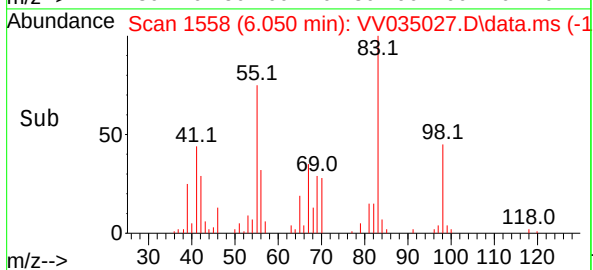
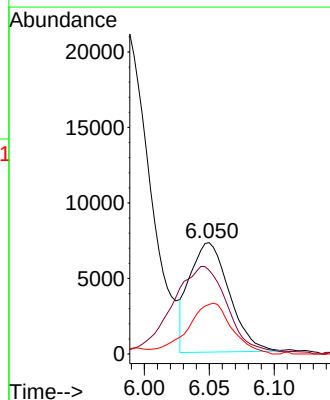
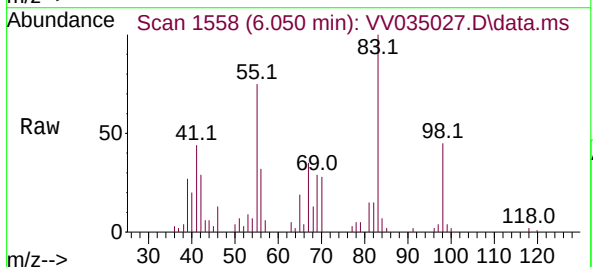
Instrument :
MSVOA_V
ClientSampleId :

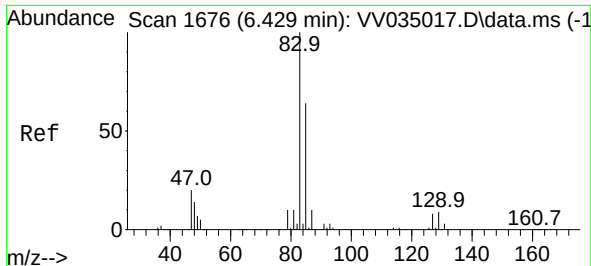
Tgt Ion:117 Resp: 379886
Ion Ratio Lower Upper
117 100
119 96.0 77.1 115.7



#35
Methylcyclohexane
Concen: 2.808 ug/L
RT: 6.050 min Scan# 1558
Delta R.T. 0.003 min
Lab File: VV035027.D
Acq: 06 Apr 2024 00:39

Tgt Ion: 83 Resp: 15319
Ion Ratio Lower Upper
83 100
55 109.3 60.0 90.0#
98 52.0 37.6 56.4





#38

Bromodichloromethane

Concen: 1.066 ug/L

RT: 6.442 min Scan# 1

Delta R.T. 0.013 min

Lab File: VV035027.D

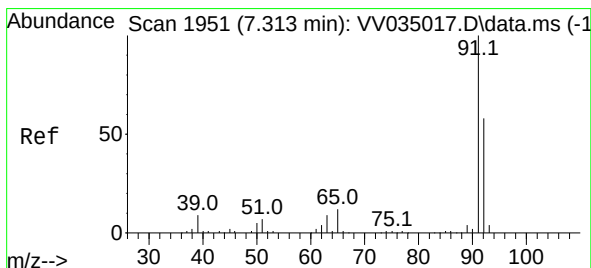
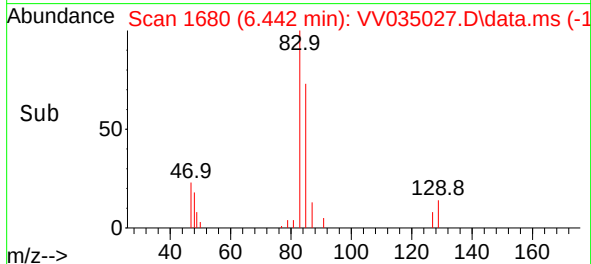
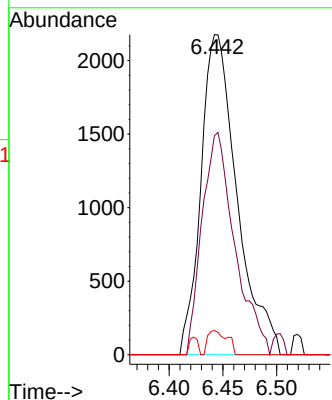
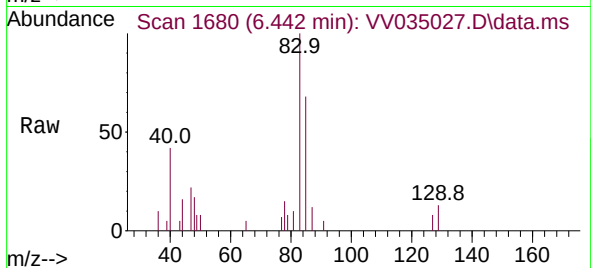
Acq: 06 Apr 2024 00:39

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 83	Resp: 5086
Ion Ratio	Lower Upper
83	100
85	68.5 43.7 81.1
127	7.6 6.4 9.6



#42

Toluene

Concen: 1.582 ug/L

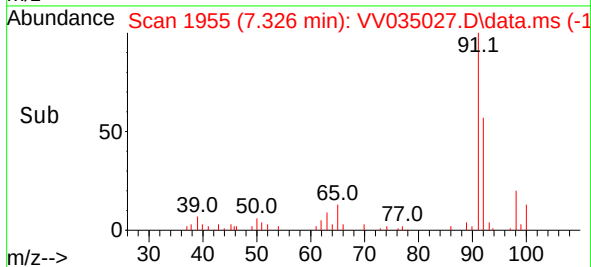
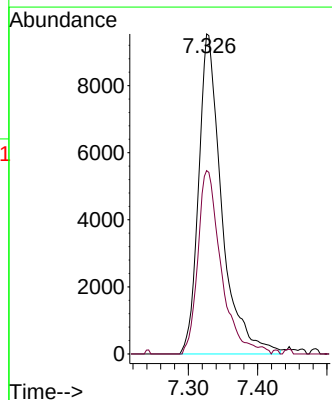
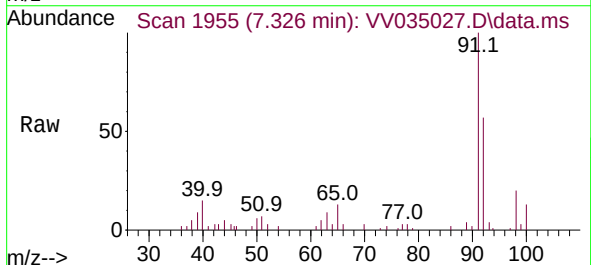
RT: 7.326 min Scan# 1955

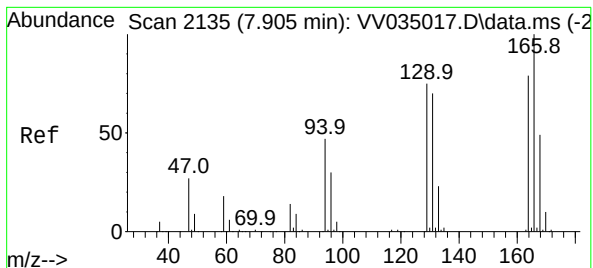
Delta R.T. 0.013 min

Lab File: VV035027.D

Acq: 06 Apr 2024 00:39

Tgt Ion: 91	Resp: 22172
Ion Ratio	Lower Upper
91	100
92	57.3 40.3 74.8





#46

Tetrachloroethene

Concen: 1.859 ug/L

RT: 7.912 min Scan# 2135

Delta R.T. 0.006 min

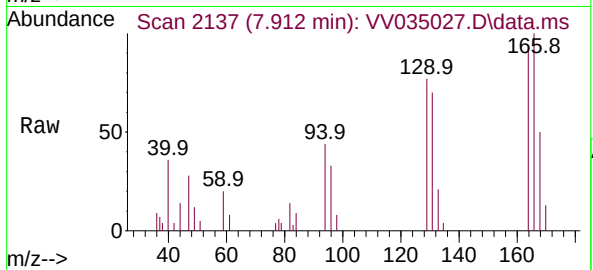
Lab File: VV035027.D

Acq: 06 Apr 2024 00:39

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 4690

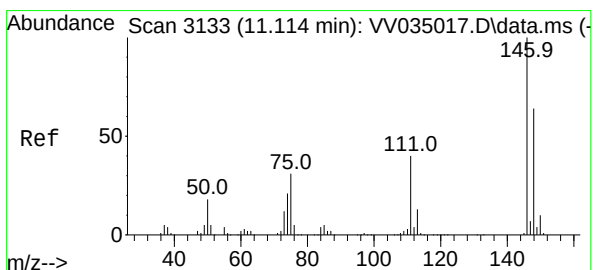
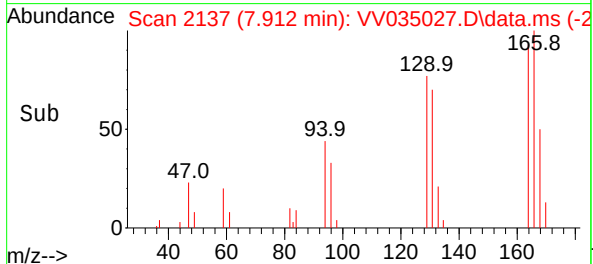
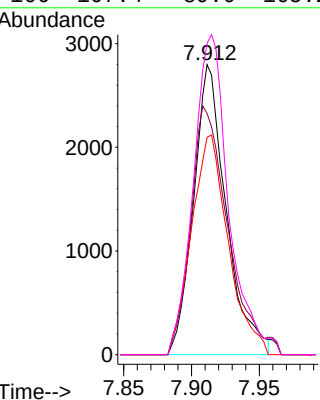
Ion Ratio Lower Upper

164 100

129 83.2 68.6 127.4

131 75.0 65.7 122.1

166 107.4 89.0 165.2



#64

1,3-Dichlorobenzene

Concen: 2081.741 ug/L

RT: 11.130 min Scan# 3138

Delta R.T. 0.016 min

Lab File: VV035027.D

Acq: 06 Apr 2024 00:39

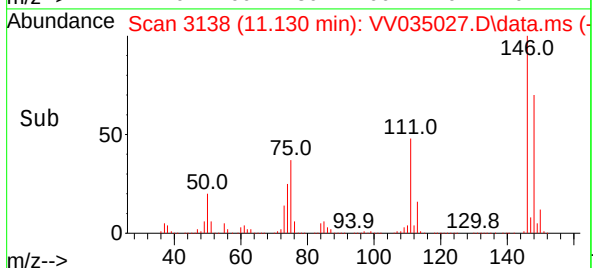
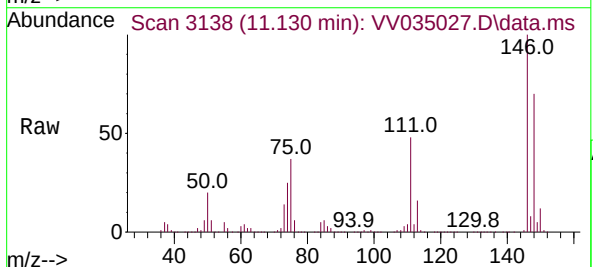
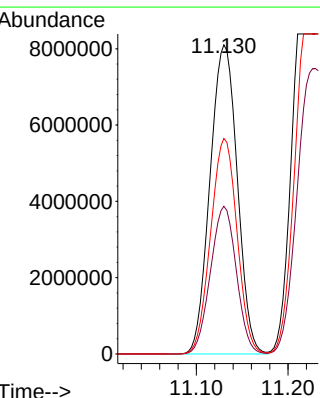
Tgt Ion:146 Resp:16739174

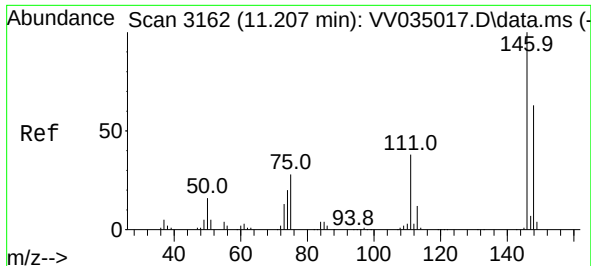
Ion Ratio Lower Upper

146 100

111 47.8 28.7 53.3

148 69.7 44.0 81.8





#65

1,4-Dichlorobenzene

Concen: 2047.086 ug/L

RT: 11.130 min Scan# 3162

Delta R.T. -0.077 min

Lab File: VV035027.D

Acq: 06 Apr 2024 00:39

Instrument :

MSVOA_V

ClientSampleId :

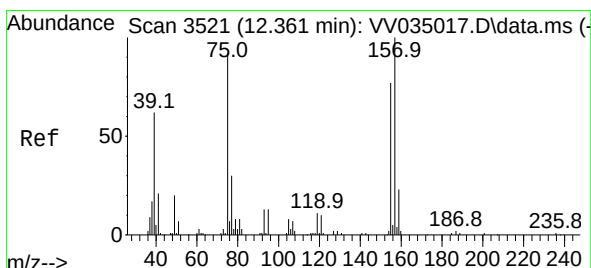
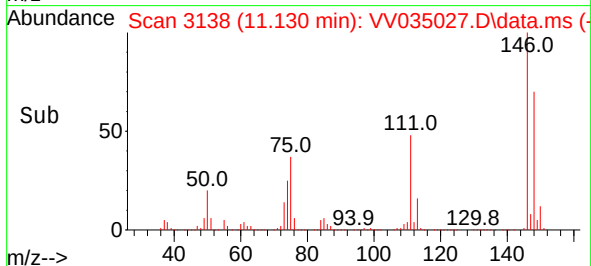
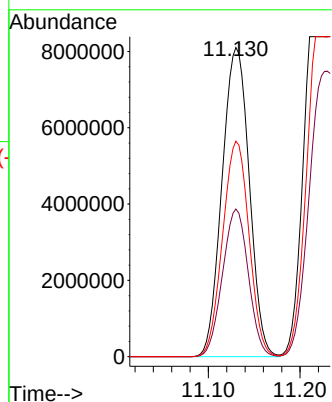
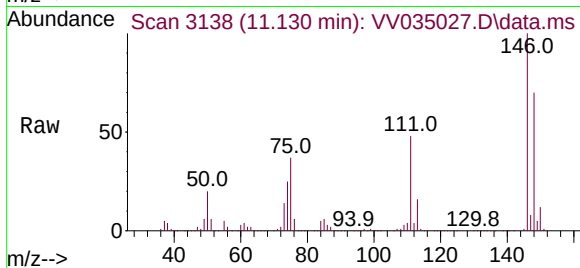
Tgt Ion:146 Resp:16739174

Ion Ratio Lower Upper

146 100

111 47.8 27.4 50.8

148 69.7 44.2 82.2



#68

1,2-Dibromo-3-chloropropane

Concen: 88.504 ug/L

RT: 12.336 min Scan# 3513

Delta R.T. -0.026 min

Lab File: VV035027.D

Acq: 06 Apr 2024 00:39

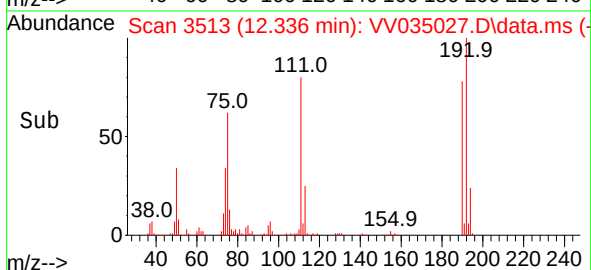
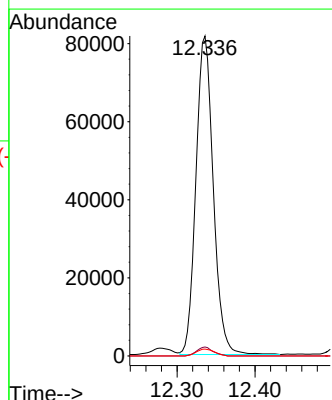
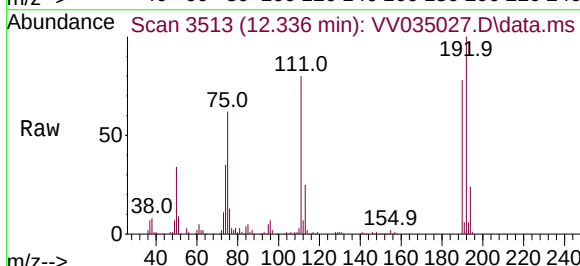
Tgt Ion: 75 Resp: 126108

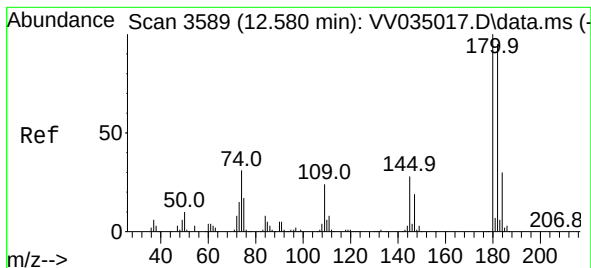
Ion Ratio Lower Upper

75 100

155 2.8 63.0 94.6#

157 2.1 81.0 121.4#





#69

1,3,5-Trichlorobenzene

Concen: 5.690 ug/L

RT: 12.587 min Scan# 3591

Delta R.T. 0.006 min

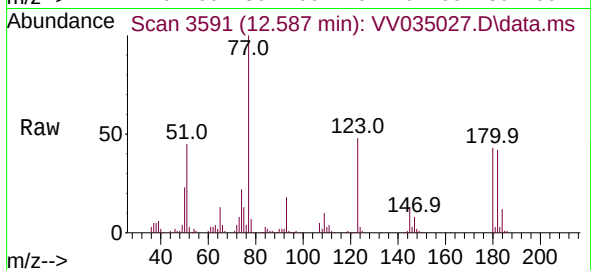
Lab File: VV035027.D

Acq: 06 Apr 2024 00:39

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 32974

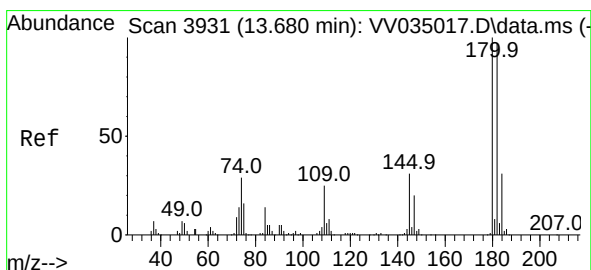
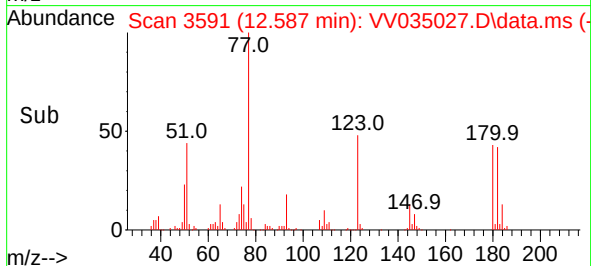
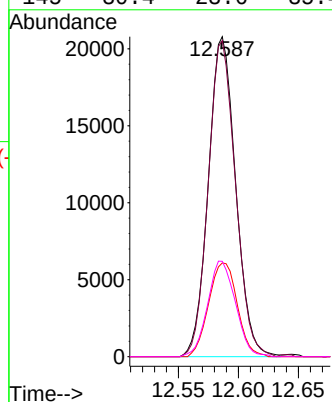
Ion Ratio Lower Upper

180 100

182 98.1 74.7 112.1

184 30.6 24.0 36.0

145 30.4 23.6 35.4



#72

1,2,3-Trichlorobenzene

Concen: 1398.662 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. 0.006 min

Lab File: VV035027.D

Acq: 06 Apr 2024 00:39

Tgt Ion:180 Resp: 7339124

Ion Ratio Lower Upper

180 100

182 95.9 76.2 114.2

145 33.1 25.8 38.6

