

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW042424\
 Data File : VW035397.D
 Acq On : 24 Apr 2024 19:02
 Operator : SY/MD
 Sample : P2182-06
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 25 02:03:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM032624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 25 01:57:41 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	416634	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.799	117	456062	50.000	ug/L	0.02
58) 1,4-Dichlorobenzene-d4	11.297	152	72	50.000	ug/L	0.12
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	153496	38.148	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.300%
7) Chloroethane-d5	1.532	69	135678	38.823	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.640%
11) 1,1-Dichloroethene-d2	2.056	65	68181	38.656	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.320%
21) 2-Butanone-d5	3.793	46	204705	85.782	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.780%
24) Chloroform-d	4.246	84	317252	46.896	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.800%
26) 1,2-Dichloroethane-d4	4.947	65	205605	47.870	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.740%
32) Benzene-d6	4.966	84	627201	40.942	ug/L	0.01
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.880%
36) 1,2-Dichloropropane-d6	5.989	67	198238	40.751	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	81.500%
41) Toluene-d8	7.243	98	517156	37.485	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	74.960%#
43) trans-1,3-Dichloroprop...	7.555	79	87691	37.080	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.160%
47) 2-Hexanone-d5	8.027	63	130901	71.171	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	71.170%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	305394	45.588	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.180%
66) 1,2-Dichlorobenzene-d4	11.574	152	286275	177089.180	ug/L	0.02
Spiked Amount	50.000	Range	80 - 120	Recovery	=	354178.360%#
Target Compounds						
					Qvalue	
14) Carbon disulfide	2.240	76	7708	0.875	ug/L	96
25) Chloroform	4.278	83	83780	13.669	ug/L	97
27) 1,2-Dichloroethane	5.027	62	861546	176.546	ug/L #	75
29) Cyclohexane	4.584	56	14317	2.506	ug/L	95
31) Carbon tetrachloride	4.735	117	73151	14.518	ug/L	100
35) Methylcyclohexane	5.985	83	46501	7.672	ug/L #	19
46) Tetrachloroethene	7.915	164	2928	1.044	ug/L	91
48) 2-Hexanone	8.088	43	22147	4.963	ug/L #	89
60) Isopropylbenzene	9.860	105	121	23.311	ug/L #	1
61) 1,2,3-Trichloropropane	10.197	75	79	50.635	ug/L #	39
62) 1,3,5-Trimethylbenzene	10.493	105	486	144.169	ug/L #	29
63) 1,2,4-Trimethylbenzene	10.869	105	561	134.601	ug/L #	59
64) 1,3-Dichlorobenzene	11.117	146	4388860	1809341.612	ug/L	98
65) 1,4-Dichlorobenzene	11.117	146	4388860	1779221.916	ug/L	97
67) 1,2-Dichlorobenzene	11.519	146	208	86.079	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.336	75	7026	16345.792	ug/L #	8
69) 1,3,5-Trichlorobenzene	12.577	180	1627	930.676	ug/L	96
70) 1,2,4-trichlorobenzene	13.197	180	5195136	3235158.646	ug/L	99
71) Naphthalene	13.451	128	4763	1069.080	ug/L #	86

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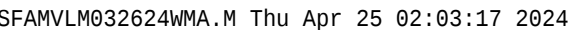
Instrument :
MSVOA_V
ClientSampleId :

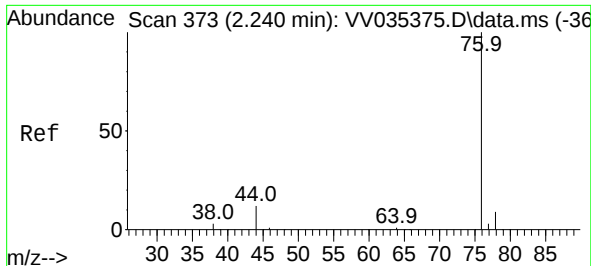
Quant Time: Apr 25 02:03:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM032624WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 25 01:57:41 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 1,2,3-Trichlorobenzene	13.676	180	652320	412102.689	ug/L	99

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

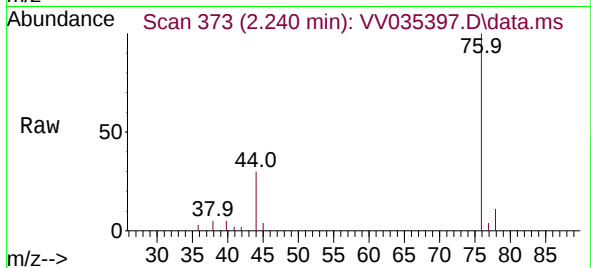
Quant Time: Apr 25 02:03:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM032624WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 25 01:57:41 2024
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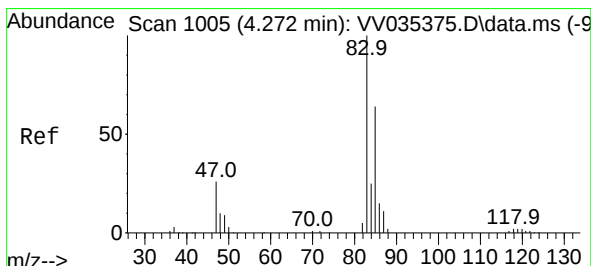
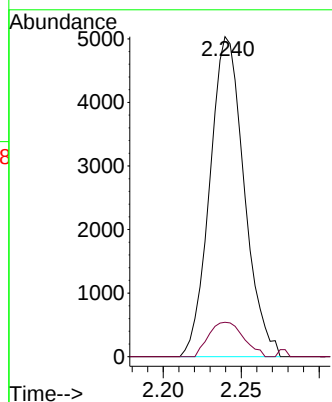
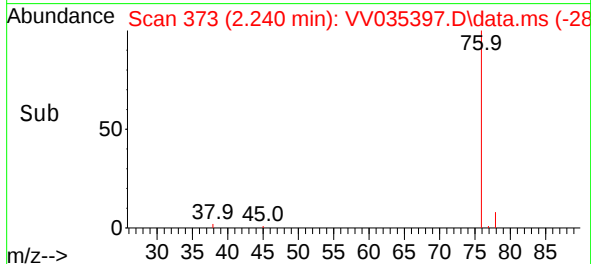


#14
Carbon disulfide
Concen: 0.875 ug/L
RT: 2.240 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV035397.D
Acq: 24 Apr 2024 19:02

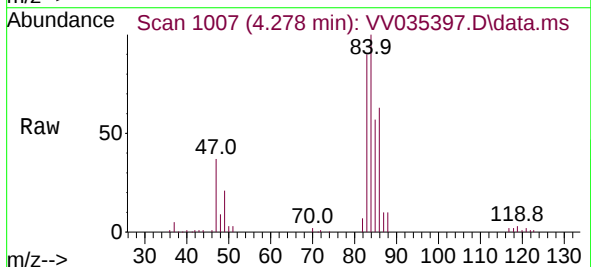
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MSVOA_V
ClientSampleId :



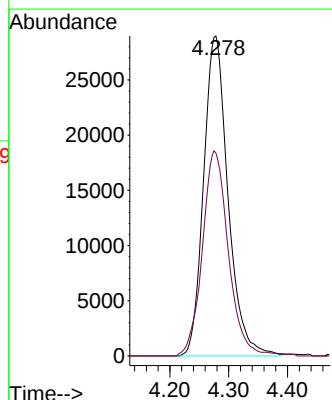
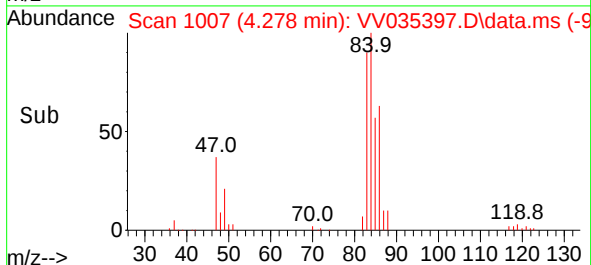
Tgt Ion: 76 Resp: 7708
Ion Ratio Lower Upper
76 100
78 10.7 7.4 11.0

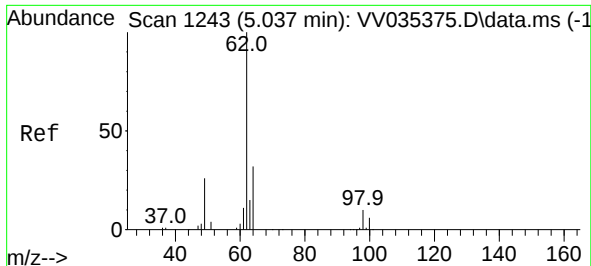


#25
Chloroform
Concen: 13.669 ug/L
RT: 4.278 min Scan# 1007
Delta R.T. 0.006 min
Lab File: VV035397.D
Acq: 24 Apr 2024 19:02



Tgt Ion: 83 Resp: 83780
Ion Ratio Lower Upper
83 100
85 63.4 46.0 85.4





#27

1,2-Dichloroethane

Concen: 176.546 ug/L

RT: 5.027 min Scan# 11

Delta R.T. -0.010 min

Lab File: VV035397.D

Acq: 24 Apr 2024 19:02

Instrument :

MSVOA_V

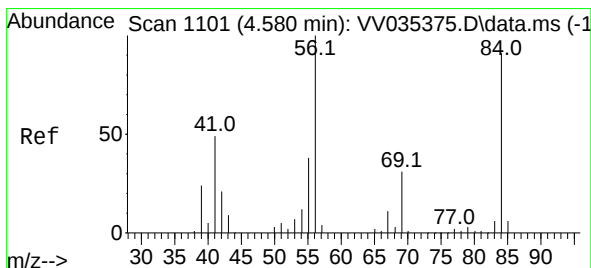
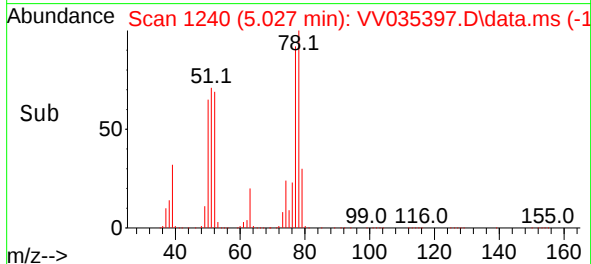
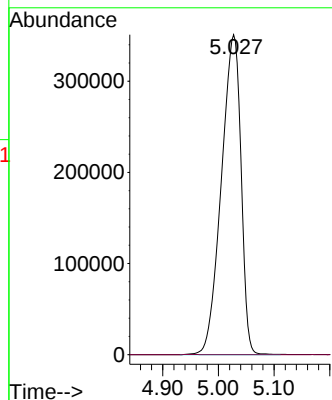
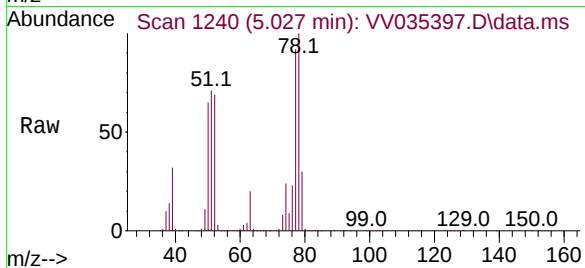
ClientSampleId :

Tgt Ion: 62 Resp: 861546

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#



#29

Cyclohexane

Concen: 2.506 ug/L

RT: 4.584 min Scan# 1102

Delta R.T. 0.003 min

Lab File: VV035397.D

Acq: 24 Apr 2024 19:02

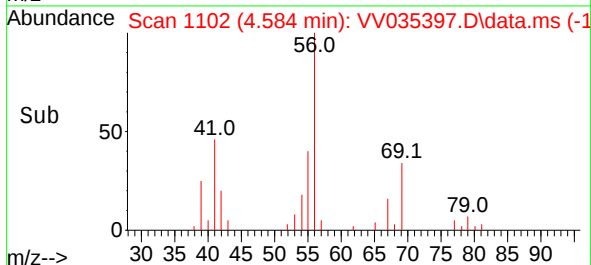
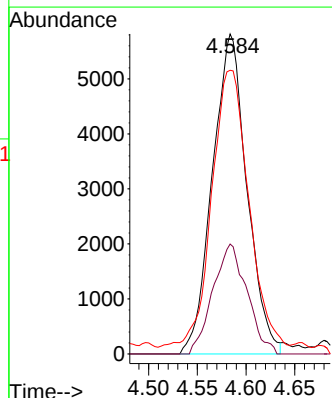
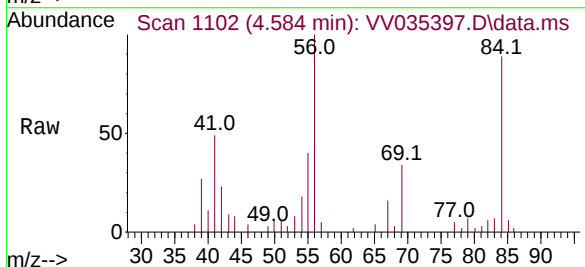
Tgt Ion: 56 Resp: 14317

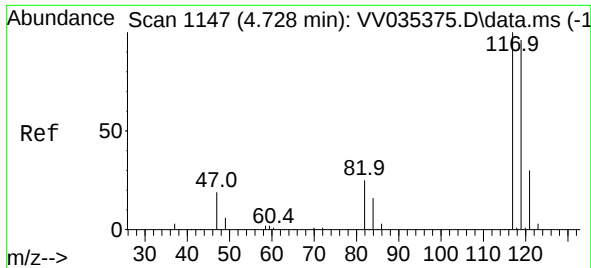
Ion Ratio Lower Upper

56 100

69 34.0 24.2 36.2

84 91.8 69.8 104.8

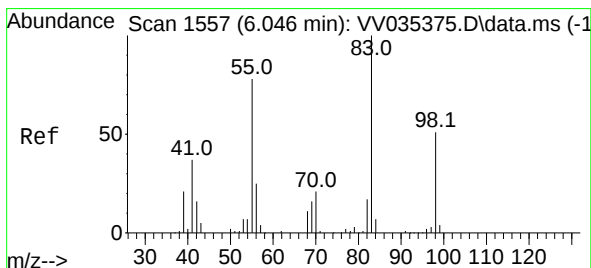
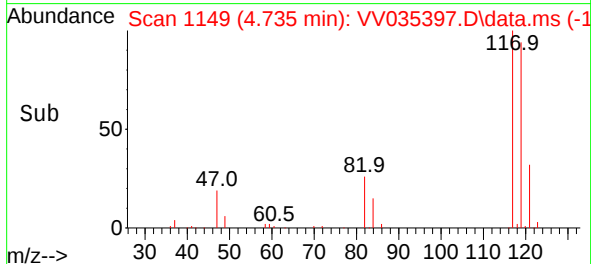
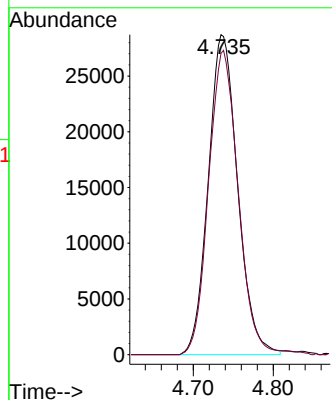
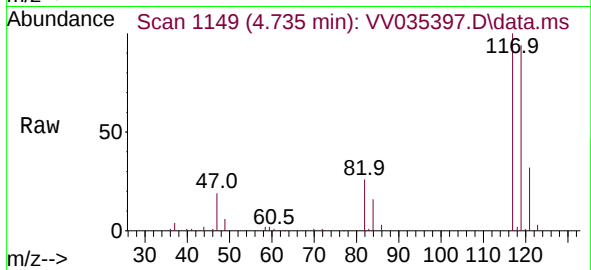




#31
Carbon tetrachloride
Concen: 14.518 ug/L
RT: 4.735 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VV035397.D
Acq: 24 Apr 2024 19:02

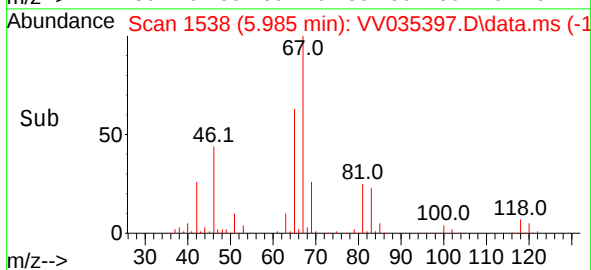
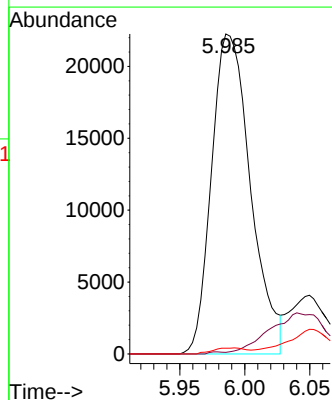
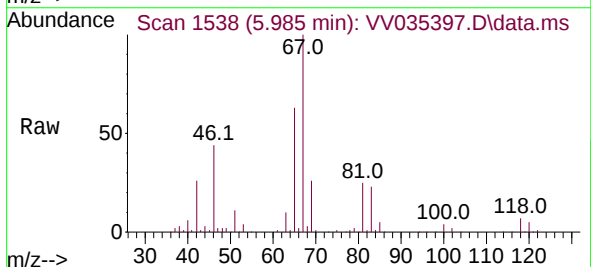
Instrument :
MSVOA_V
ClientSampleId :

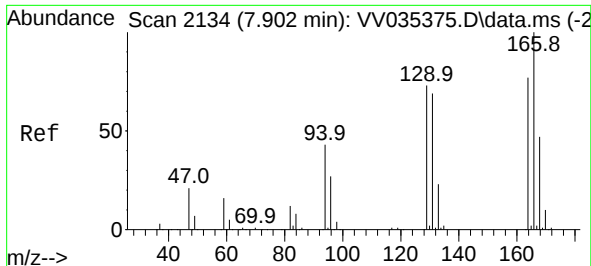
Tgt Ion:117 Resp: 73151
Ion Ratio Lower Upper
117 100
119 96.2 77.1 115.7



#35
Methylcyclohexane
Concen: 7.672 ug/L
RT: 5.985 min Scan# 1538
Delta R.T. -0.061 min
Lab File: VV035397.D
Acq: 24 Apr 2024 19:02

Tgt Ion: 83 Resp: 46501
Ion Ratio Lower Upper
83 100
55 0.3 60.0 90.0#
98 0.7 37.6 56.4#





#46

Tetrachloroethene

Concen: 1.044 ug/L

RT: 7.915 min Scan# 2138

Delta R.T. 0.013 min

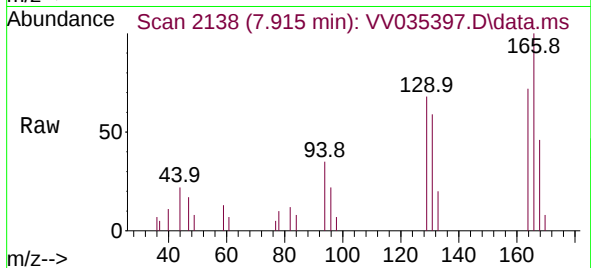
Lab File: VV035397.D

Acq: 24 Apr 2024 19:02

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 2928

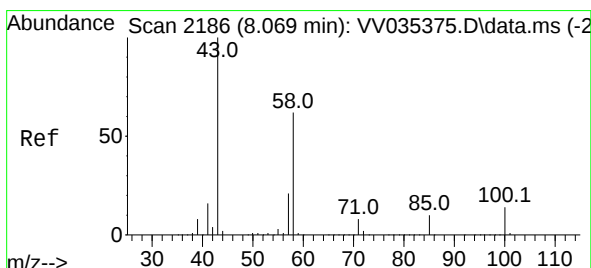
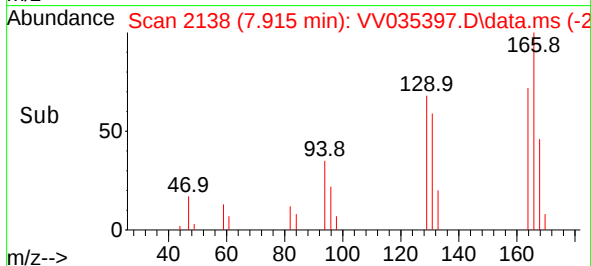
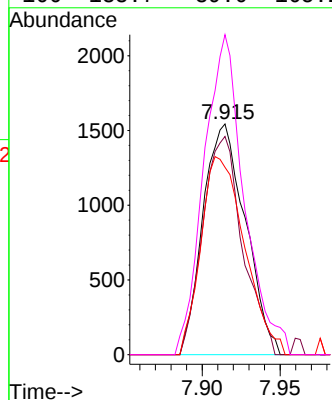
Ion Ratio Lower Upper

164 100

129 94.6 68.6 127.4

131 81.2 65.7 122.1

166 138.7 89.0 165.2



#48

2-Hexanone

Concen: 4.963 ug/L

RT: 8.088 min Scan# 2192

Delta R.T. 0.019 min

Lab File: VV035397.D

Acq: 24 Apr 2024 19:02

Tgt Ion: 43 Resp: 22147

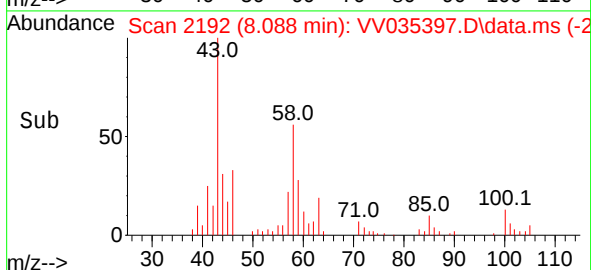
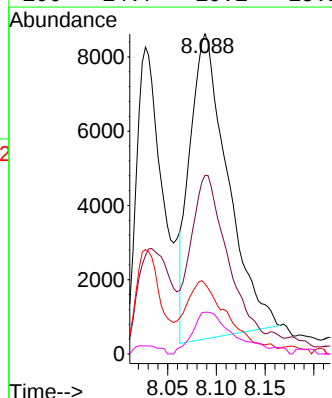
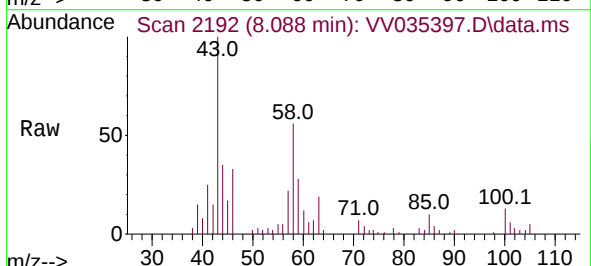
Ion Ratio Lower Upper

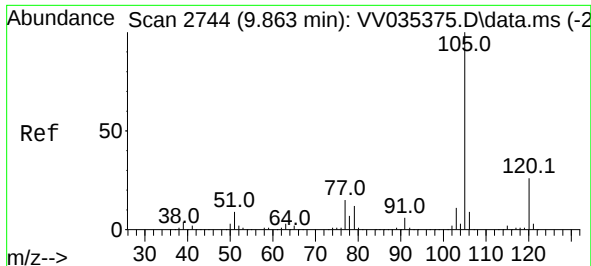
43 100

58 51.3 45.4 68.2

57 9.4 16.2 24.4#

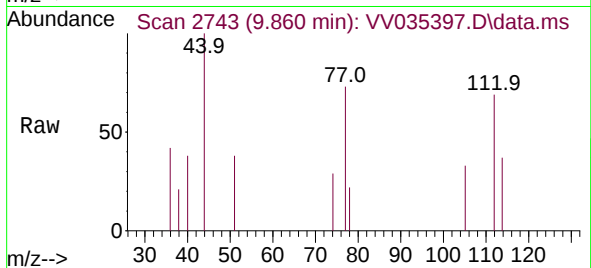
100 14.7 10.1 15.1



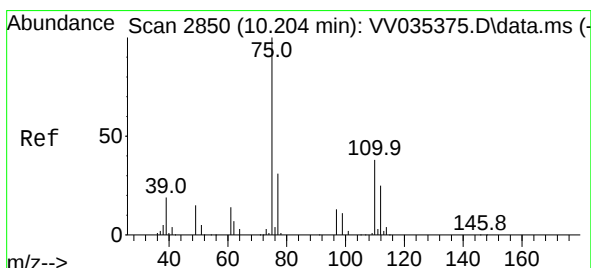
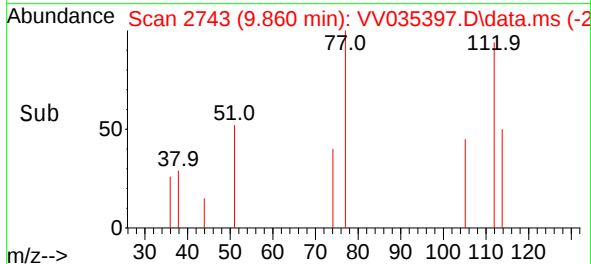
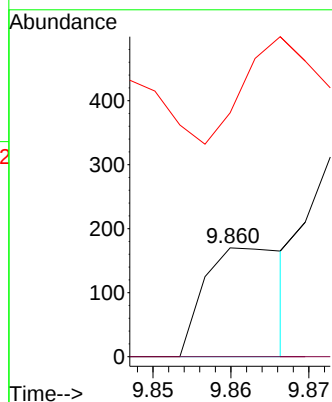


#60
Isopropylbenzene
Concen: 23.311 ug/L
RT: 9.860 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV035397.D
Acq: 24 Apr 2024 19:02

Instrument :
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ClientSampleId :

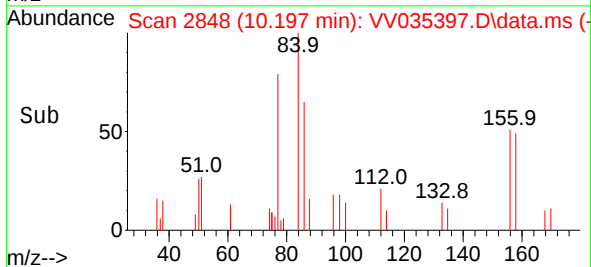
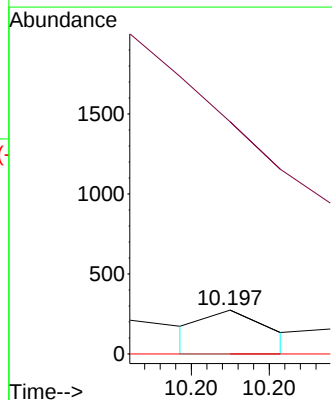
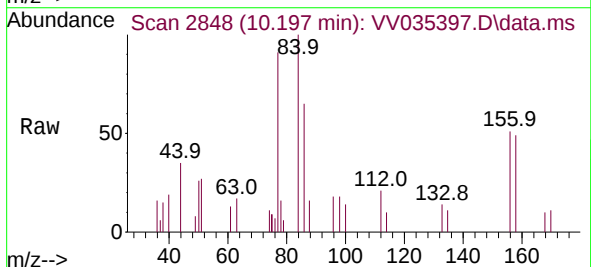


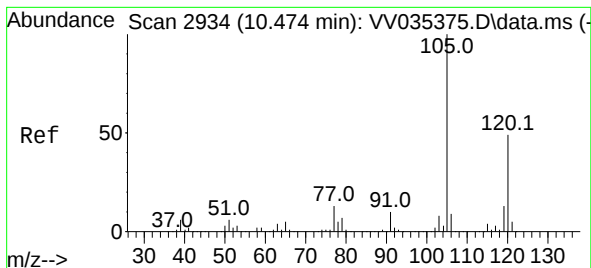
Tgt Ion:105 Resp: 121
Ion Ratio Lower Upper
105 100
120 0.0 21.0 31.6#
77 104.1 13.1 19.7#



#61
1,2,3-Trichloropropane
Concen: 50.635 ug/L
RT: 10.197 min Scan# 2848
Delta R.T. -0.006 min
Lab File: VV035397.D
Acq: 24 Apr 2024 19:02

Tgt Ion: 75 Resp: 79
Ion Ratio Lower Upper
75 100
77 0.0 26.0 39.0#
110 0.0 30.5 45.7#





#62

1,3,5-Trimethylbenzene

Concen: 144.169 ug/L

RT: 10.493 min Scan# 2940

Delta R.T. 0.019 min

Lab File: VV035397.D

Acq: 24 Apr 2024 19:02

Instrument :

MSVOA_V

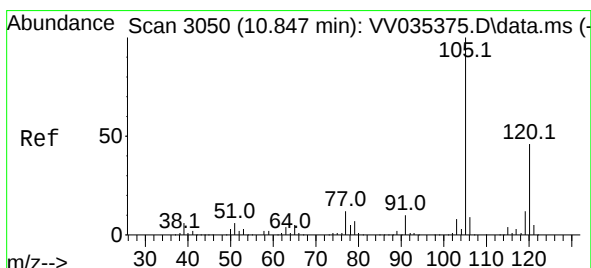
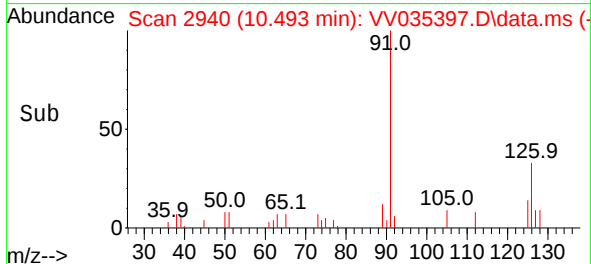
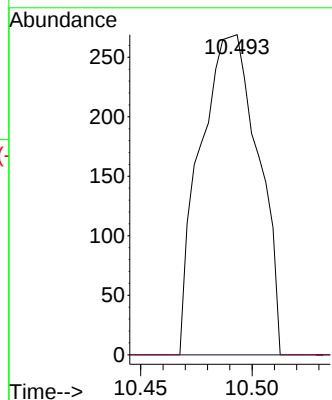
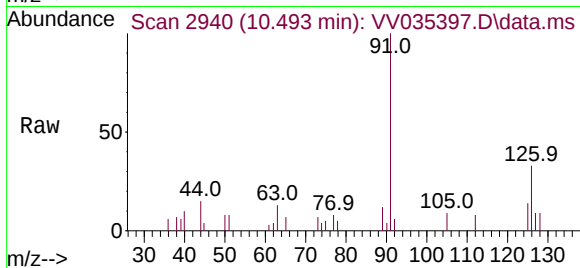
ClientSampleId :

Tgt Ion:105 Resp: 486

Ion Ratio Lower Upper

105 100

120 0.0 38.7 58.1#



#63

1,2,4-Trimethylbenzene

Concen: 134.601 ug/L

RT: 10.869 min Scan# 3057

Delta R.T. 0.023 min

Lab File: VV035397.D

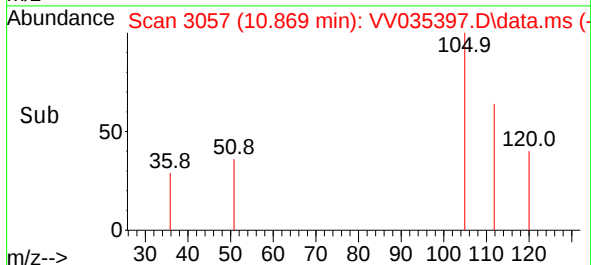
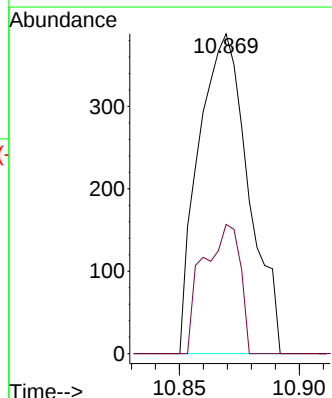
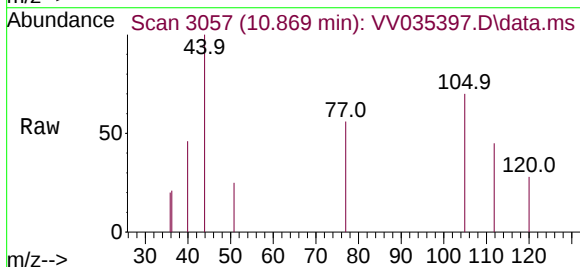
Acq: 24 Apr 2024 19:02

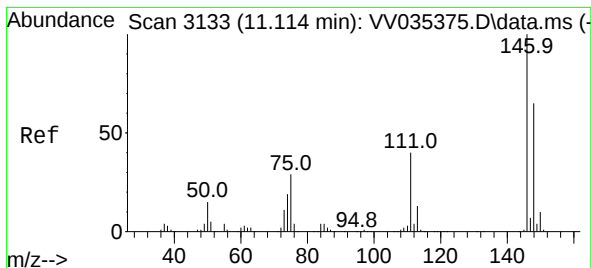
Tgt Ion:105 Resp: 561

Ion Ratio Lower Upper

105 100

120 18.4 35.9 53.9#





#64

1,3-Dichlorobenzene

Concen: 1809341.612 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. 0.003 min

Lab File: VV035397.D

Acq: 24 Apr 2024 19:02

Instrument :

MSVOA_V

ClientSampleId :

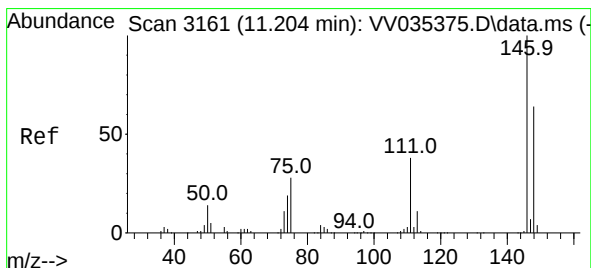
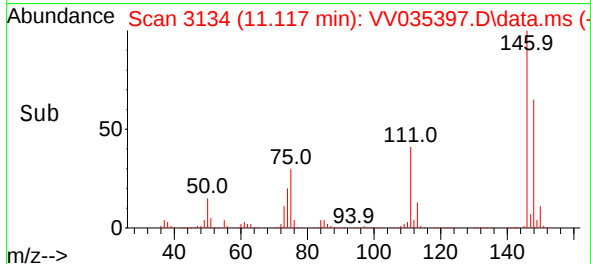
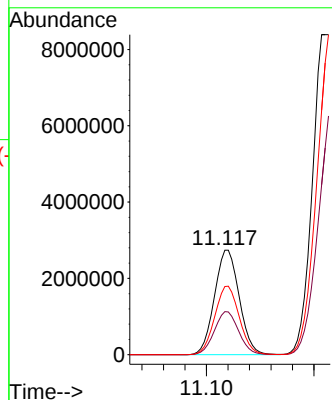
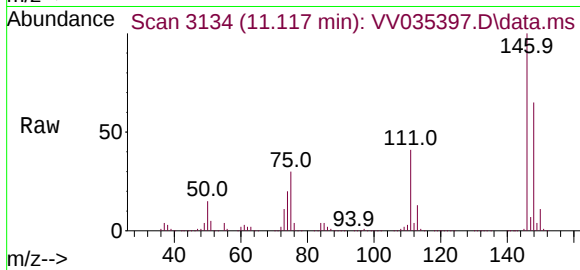
Tgt Ion:146 Resp: 4388860

Ion Ratio Lower Upper

146 100

111 41.2 28.7 53.3

148 65.2 44.0 81.8



#65

1,4-Dichlorobenzene

Concen: 1779221.916 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. -0.087 min

Lab File: VV035397.D

Acq: 24 Apr 2024 19:02

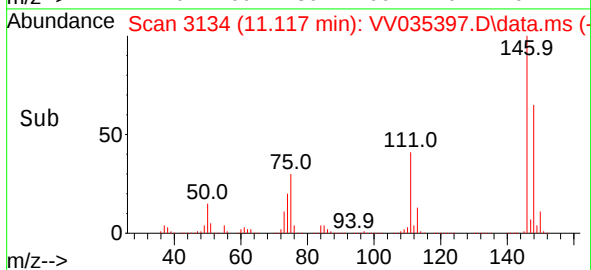
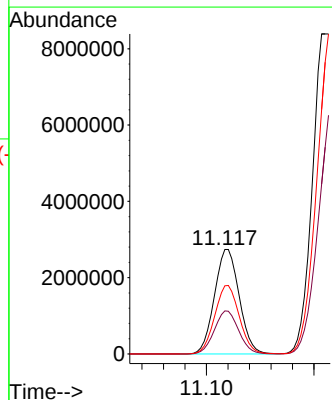
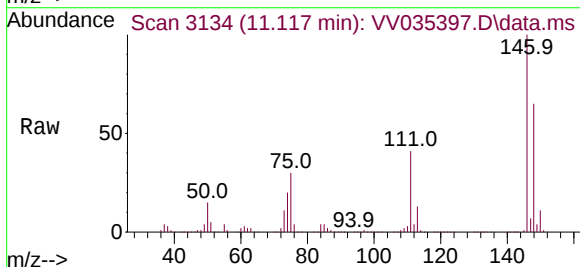
Tgt Ion:146 Resp: 4388860

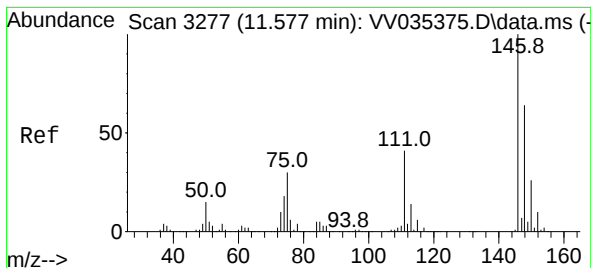
Ion Ratio Lower Upper

146 100

111 41.2 27.4 50.8

148 65.2 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 86.079 ug/L

RT: 11.519 min Scan# 31

Delta R.T. -0.058 min

Lab File: VV035397.D

Acq: 24 Apr 2024 19:02

Instrument :

MSVOA_V

ClientSampleId :

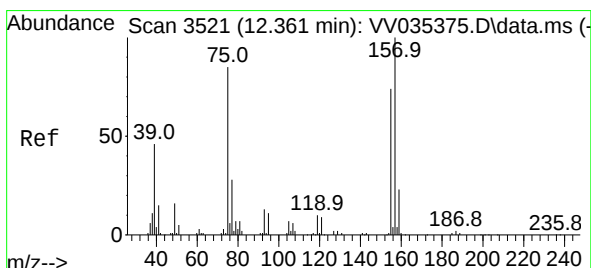
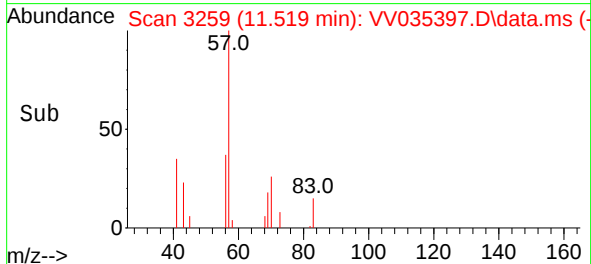
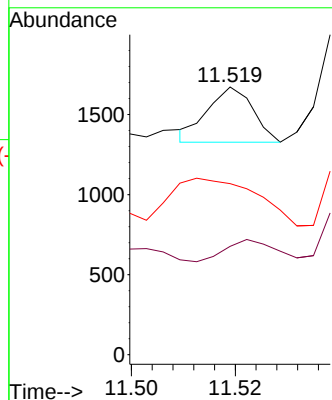
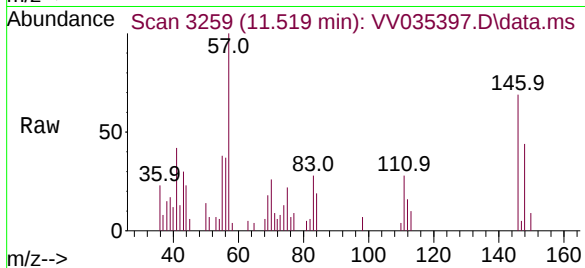
Tgt Ion:146 Resp: 208

Ion Ratio Lower Upper

146 100

111 40.5 34.6 52.0

148 63.9 51.5 77.3



#68

1,2-Dibromo-3-chloropropane

Concen: 16345.792 ug/L

RT: 12.336 min Scan# 3513

Delta R.T. -0.026 min

Lab File: VV035397.D

Acq: 24 Apr 2024 19:02

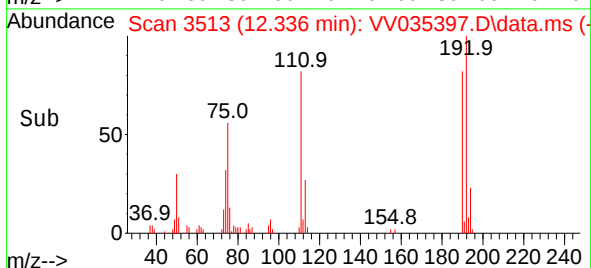
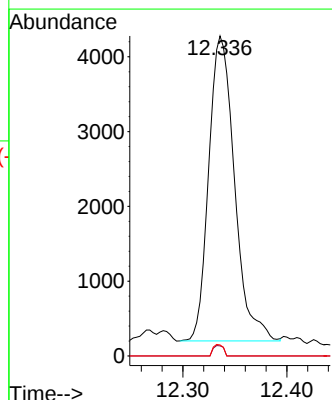
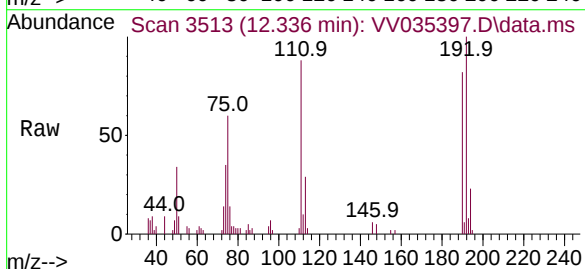
Tgt Ion: 75 Resp: 7026

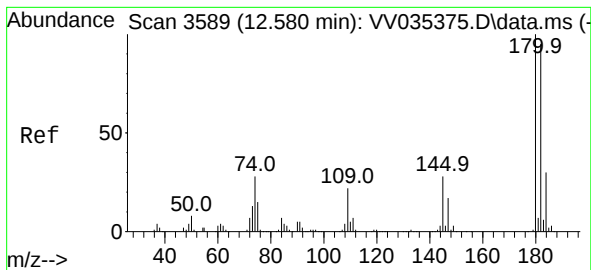
Ion Ratio Lower Upper

75 100

155 3.2 63.0 94.6#

157 3.5 81.0 121.4#





#69

1,3,5-Trichlorobenzene

Concen: 930.676 ug/L

RT: 12.577 min Scan# 3589

Delta R.T. -0.003 min

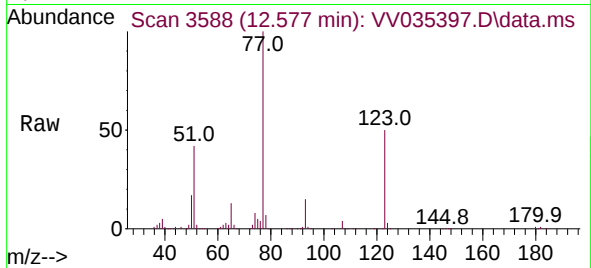
Lab File: VV035397.D

Acq: 24 Apr 2024 19:02

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 1627

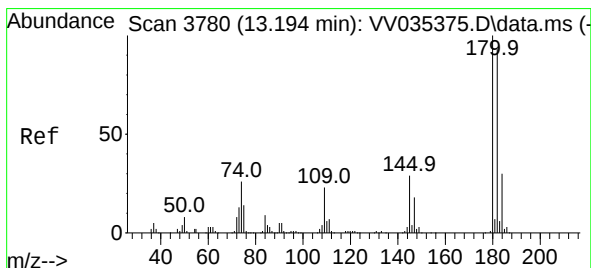
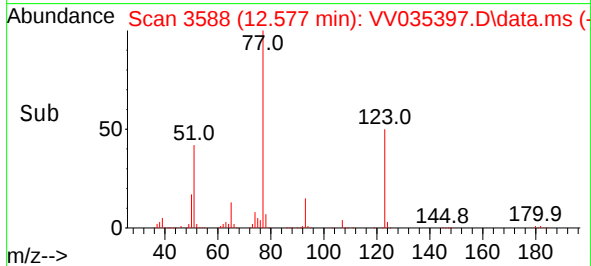
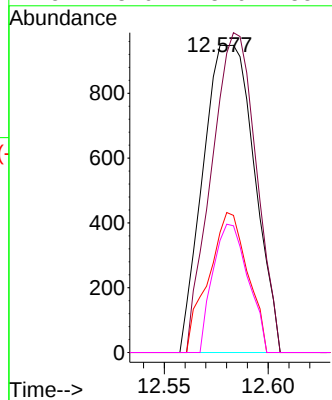
Ion Ratio Lower Upper

180 100

182 90.9 74.7 112.1

184 34.8 24.0 36.0

145 28.6 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 3235158.646 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.003 min

Lab File: VV035397.D

Acq: 24 Apr 2024 19:02

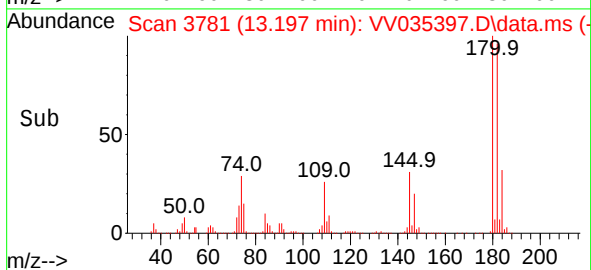
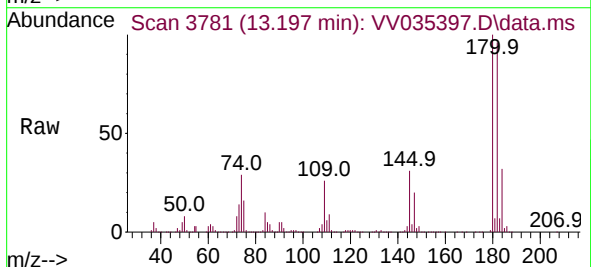
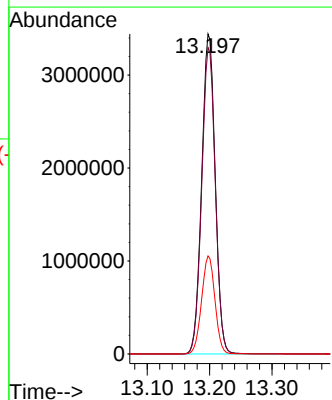
Tgt Ion:180 Resp: 5195136

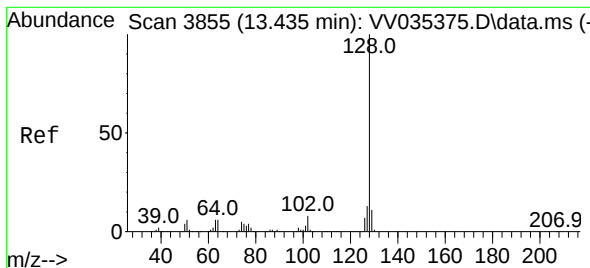
Ion Ratio Lower Upper

180 100

182 95.9 75.6 113.4

145 30.2 24.1 36.1





#71

Naphthalene

Concen: 1069.080 ug/L

RT: 13.451 min Scan# 3860

Delta R.T. 0.016 min

Lab File: VV035397.D

Acq: 24 Apr 2024 19:02

Instrument :

MSVOA_V

ClientSampleId :

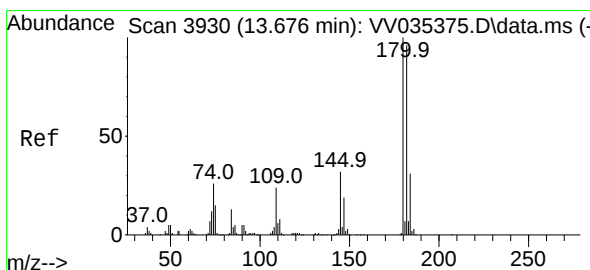
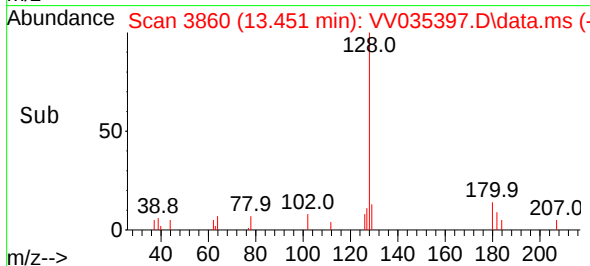
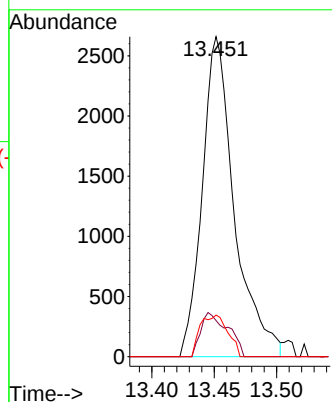
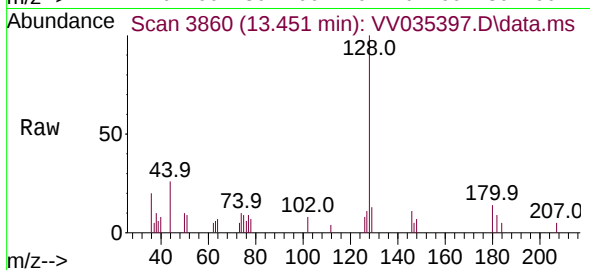
Tgt Ion:128 Resp: 4763

Ion Ratio Lower Upper

128 100

127 8.6 10.5 15.7#

129 4.2 8.7 13.1#



#72

1,2,3-Trichlorobenzene

Concen: 412102.689 ug/L

RT: 13.676 min Scan# 3930

Delta R.T. 0.000 min

Lab File: VV035397.D

Acq: 24 Apr 2024 19:02

Tgt Ion:180 Resp: 652320

Ion Ratio Lower Upper

180 100

182 95.8 76.2 114.2

145 30.7 25.8 38.6

