

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110624\
 Data File : VV037925.D
 Acq On : 06 Nov 2024 12:29
 Operator : SY/MD
 Sample : VIBLK
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 06 22:38:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110624WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 06 21:46:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	343949	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	353709	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	166110	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	123866	4.705	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.000%
7) Chloroethane-d5	1.532	69	100958	4.705	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.200%
11) 1,1-Dichloroethene-d2	2.056	65	53479	4.681	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.600%
20) 2-Butanone-d5	3.818	46	225992	46.057	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.120%
24) Chloroform-d	4.246	84	225507	4.699	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.000%
26) 1,2-Dichloroethane-d4	4.941	65	108145	5.042	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.800%
32) Benzene-d6	4.953	84	451667	4.951	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.000%
36) 1,2-Dichloropropane-d6	5.986	67	135955	5.104	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.000%
41) Toluene-d8	7.240	98	404302	4.932	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.600%
43) trans-1,3-Dichloroprop...	7.558	79	45904	4.457	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.200%
46) 2-Hexanone-d5	8.027	63	204673	51.134	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.260%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	103816	4.834	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.600%
66) 1,2-Dichlorobenzene-d4	11.555	152	154511	5.640	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.800%
Target Compounds						
					Qvalue	
6) Bromomethane	1.491	94	2956	0.163	ug/L	87
14) Carbon disulfide	2.237	76	9853	0.124	ug/L #	94
35) Methylcyclohexane	5.986	83	33003	0.823	ug/L #	20
48) 2-Hexanone	8.088	43	35854	4.146	ug/L #	76
51) Chlorobenzene	8.812	112	8993	0.128	ug/L	90
52) Ethylbenzene	8.953	91	10470	0.095	ug/L	85
53) m,p-Xylene	9.088	106	3861	0.091	ug/L	88
54) o-Xylene	9.484	106	3097	0.077	ug/L	86
55) Styrene	9.516	104	6604	0.095	ug/L	86
60) Isopropylbenzene	9.866	105	9889	0.102	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	8511	0.112	ug/L	96
63) 1,2,4-Trimethylbenzene	10.854	105	9409	0.125	ug/L	93
64) 1,3-Dichlorobenzene	11.124	146	11891	0.243	ug/L	96
65) 1,4-Dichlorobenzene	11.207	146	14156	0.280	ug/L	90
67) 1,2-Dichlorobenzene	11.574	146	12766	0.282	ug/L	93
68) 1,2-Dibromo-3-chloropr...	12.368	75	1236	0.438	ug/L #	79
69) 1,3,5-Trichlorobenzene	12.580	180	17267	0.499	ug/L	90
70) 1,2,4-trichlorobenzene	13.198	180	25503	0.939	ug/L	99
71) Naphthalene	13.439	128	105307	2.732	ug/L	99

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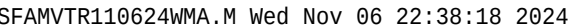
Instrument :
MSVOA_V
ClientSampleId :

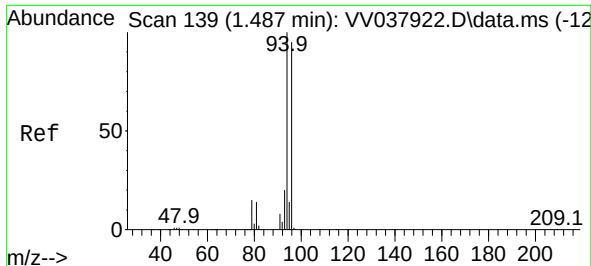
Quant Time: Nov 06 22:38:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110624WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Nov 06 21:46:56 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 1,2,3-Trichlorobenzene	13.677	180	27249	1.164	ug/L	97

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

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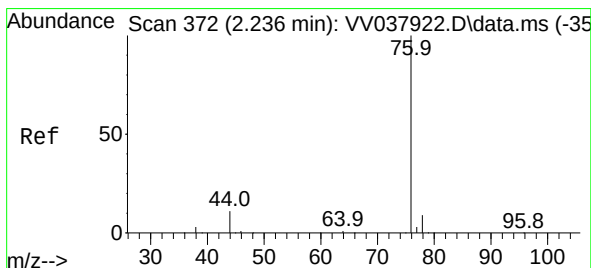
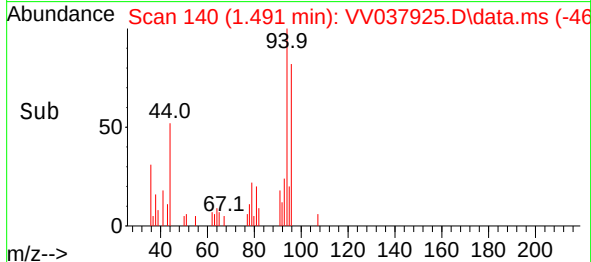
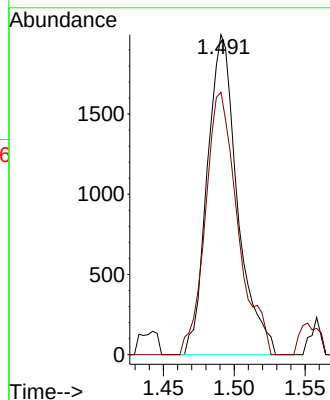
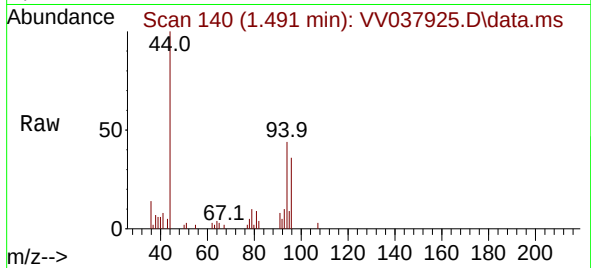




#6
Bromomethane
Concen: 0.163 ug/L
RT: 1.491 min Scan# 14
Delta R.T. 0.003 min
Lab File: VV037925.D
Acq: 06 Nov 2024 12:29

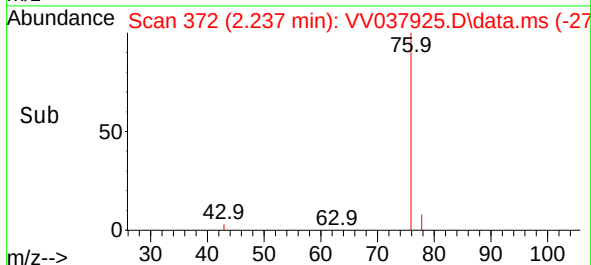
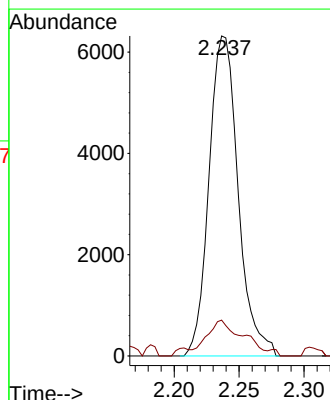
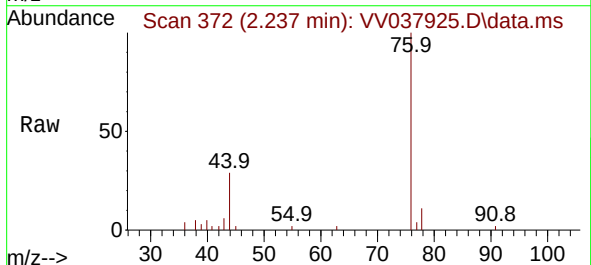
Instrument :
MSVOA_V
ClientSampleId :

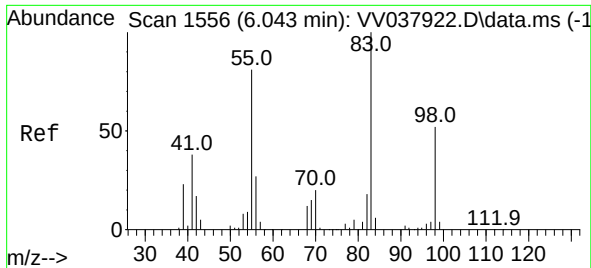
Tgt Ion: 94 Resp: 2956
Ion Ratio Lower Upper
94 100
96 82.0 66.3 123.1



#14
Carbon disulfide
Concen: 0.124 ug/L
RT: 2.237 min Scan# 372
Delta R.T. 0.000 min
Lab File: VV037925.D
Acq: 06 Nov 2024 12:29

Tgt Ion: 76 Resp: 9853
Ion Ratio Lower Upper
76 100
78 11.2 7.3 10.9#





#35

Methylcyclohexane

Concen: 0.823 ug/L

RT: 5.986 min Scan# 1

Delta R.T. -0.058 min

Lab File: VV037925.D

Acq: 06 Nov 2024 12:29

Instrument :

MSVOA_V

ClientSampleId :

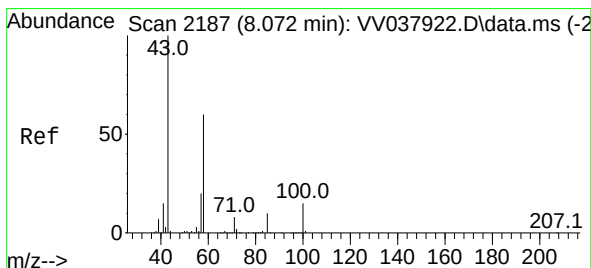
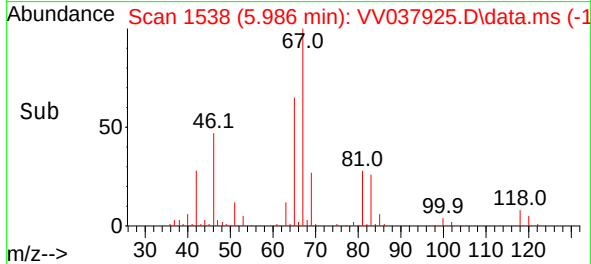
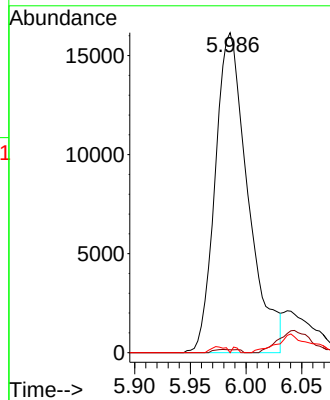
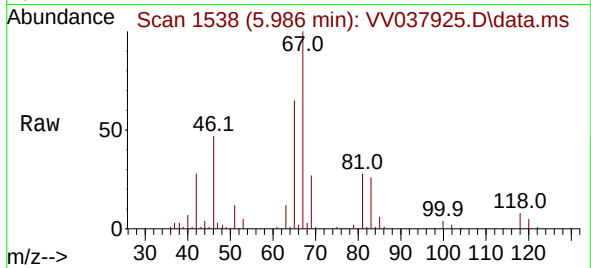
Tgt Ion: 83 Resp: 33003

Ion Ratio Lower Upper

83 100

55 0.7 59.3 88.9#

98 0.3 38.3 57.5#



#48

2-Hexanone

Concen: 4.146 ug/L

RT: 8.088 min Scan# 2192

Delta R.T. 0.016 min

Lab File: VV037925.D

Acq: 06 Nov 2024 12:29

Tgt Ion: 43 Resp: 35854

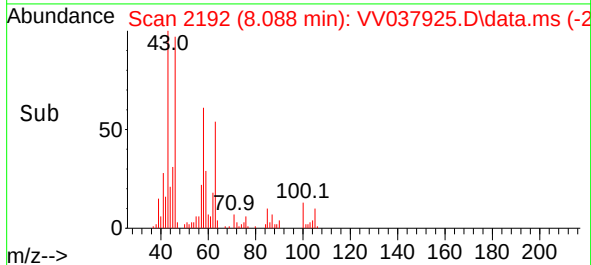
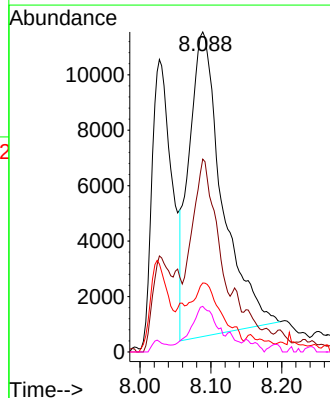
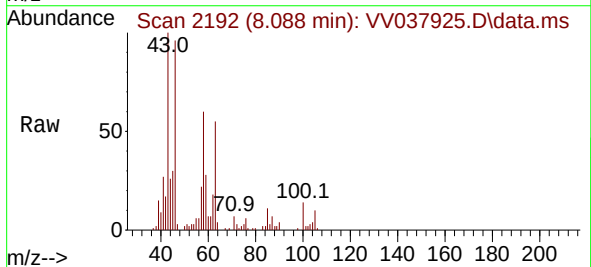
Ion Ratio Lower Upper

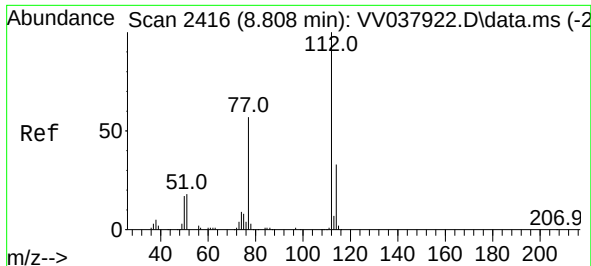
43 100

58 34.1 48.5 72.7#

57 17.7 16.3 24.5

100 11.9 11.3 16.9





#51

Chlorobenzene

Concen: 0.128 ug/L

RT: 8.812 min Scan# 2416

Delta R.T. 0.003 min

Lab File: VV037925.D

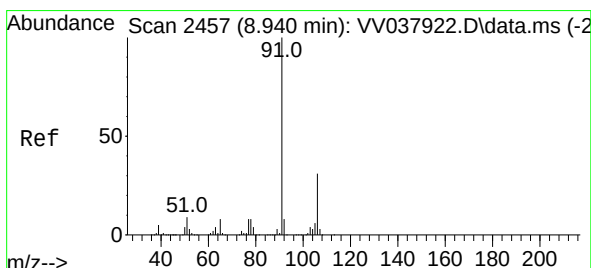
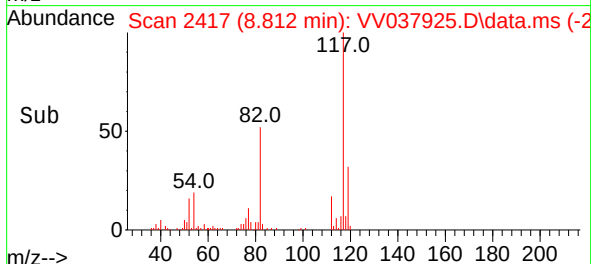
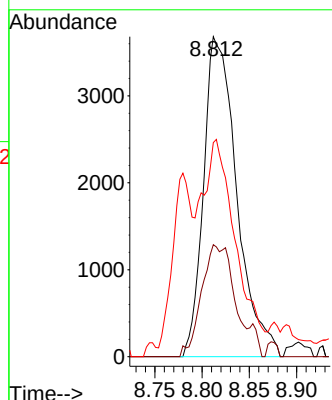
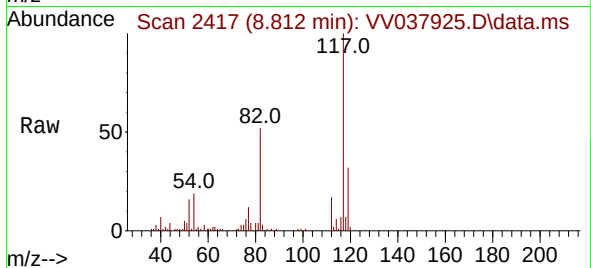
Acq: 06 Nov 2024 12:29

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:112	Resp:	8993
Ion Ratio	Lower	Upper
112	100	
114	35.0	23.0 42.6
77	66.9	45.9 68.9



#52

Ethylbenzene

Concen: 0.095 ug/L

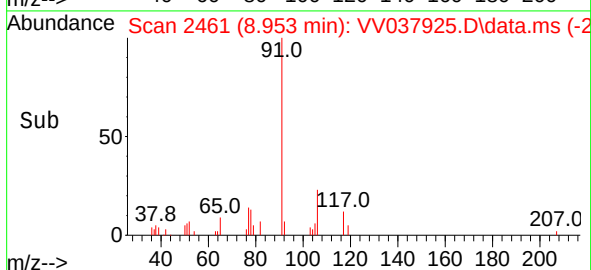
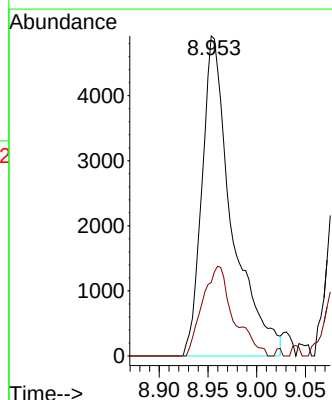
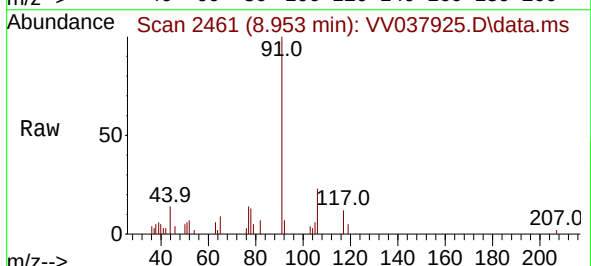
RT: 8.953 min Scan# 2461

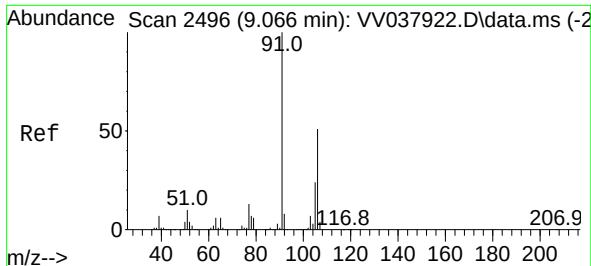
Delta R.T. 0.013 min

Lab File: VV037925.D

Acq: 06 Nov 2024 12:29

Tgt Ion: 91	Resp:	10470
Ion Ratio	Lower	Upper
91	100	
106	23.0	21.8 40.4





#53

m,p-Xylene

Concen: 0.091 ug/L

RT: 9.088 min Scan# 2496

Delta R.T. 0.023 min

Lab File: VV037925.D

Acq: 06 Nov 2024 12:29

Instrument :

MSVOA_V

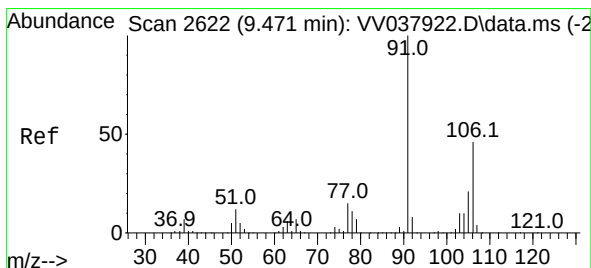
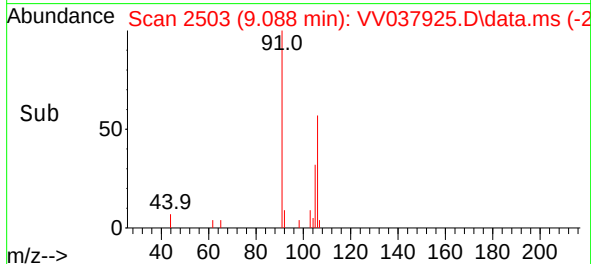
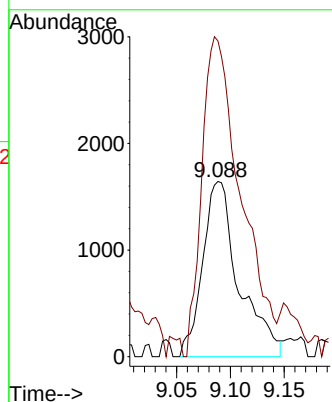
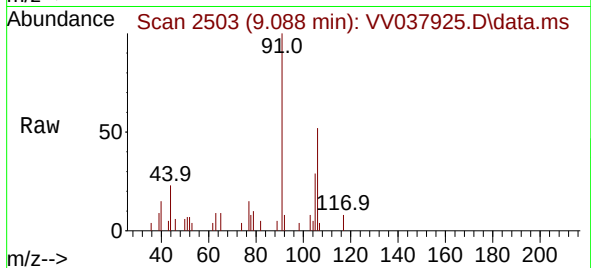
ClientSampleId :

Tgt Ion:106 Resp: 3861

Ion Ratio Lower Upper

106 100

91 180.2 139.0 258.2



#54

o-Xylene

Concen: 0.077 ug/L

RT: 9.484 min Scan# 2626

Delta R.T. 0.013 min

Lab File: VV037925.D

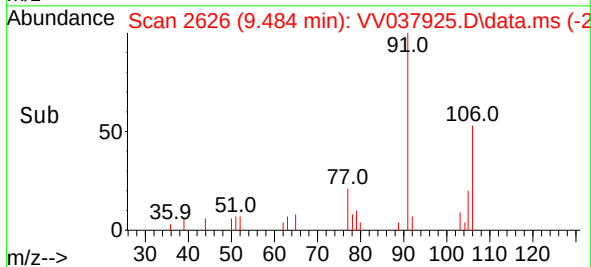
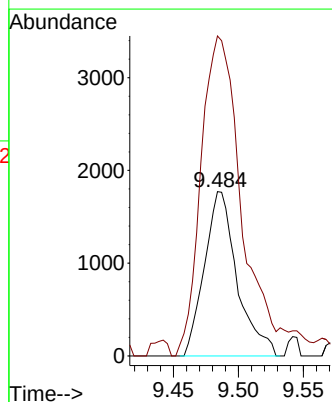
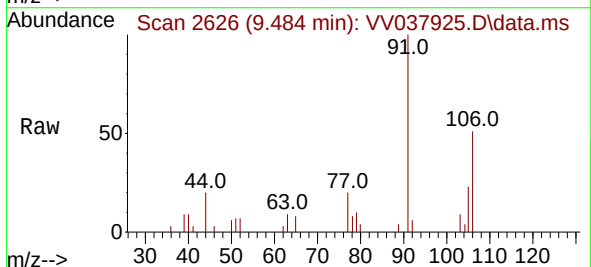
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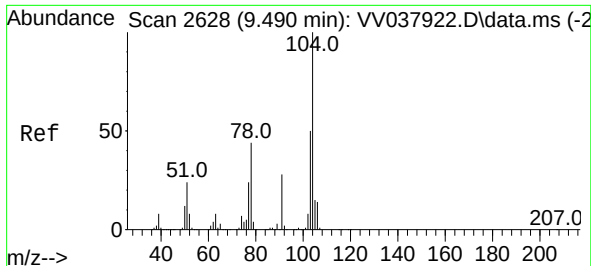
Tgt Ion:106 Resp: 3097

Ion Ratio Lower Upper

106 100

91 194.7 152.0 282.2

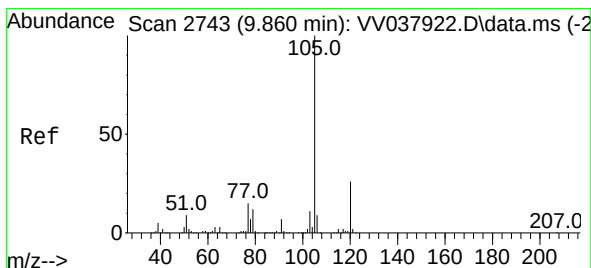
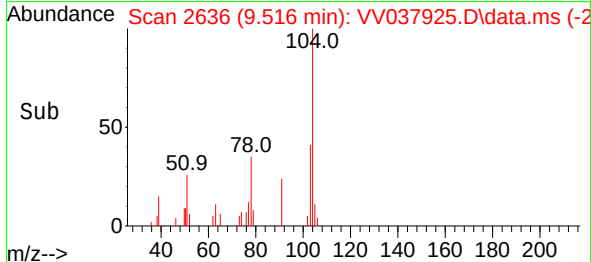
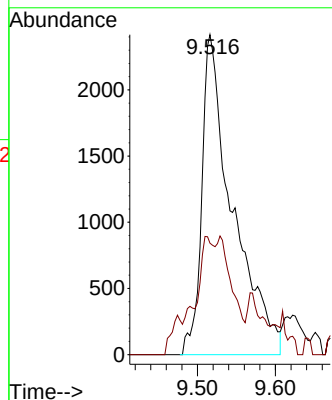
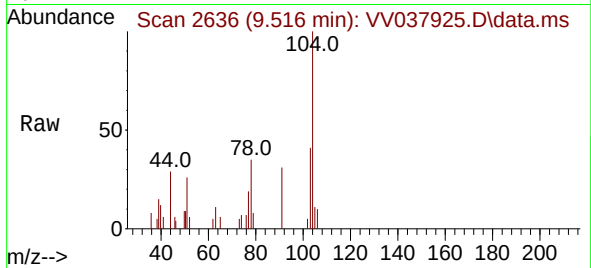




#55
Styrene
Concen: 0.095 ug/L
RT: 9.516 min Scan# 20
Delta R.T. 0.026 min
Lab File: VV037925.D
Acq: 06 Nov 2024 12:29

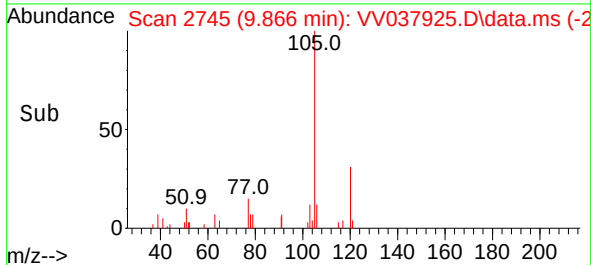
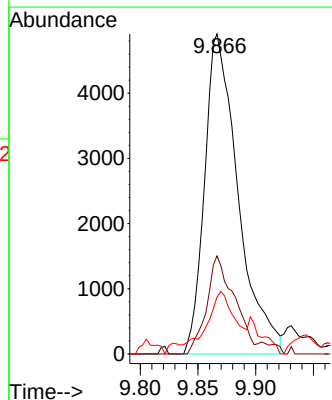
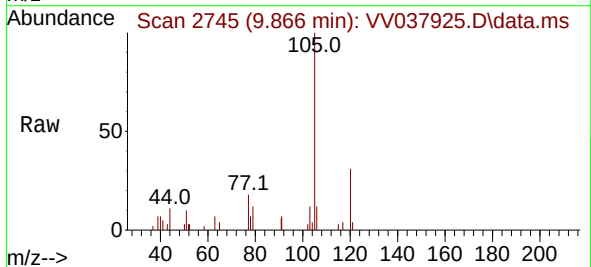
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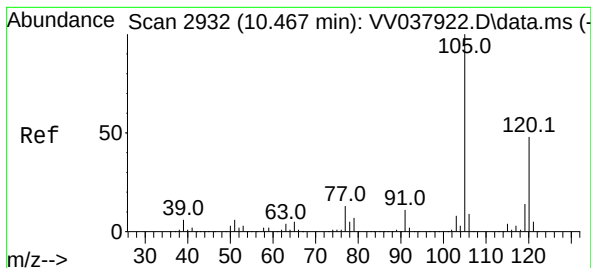
Tgt Ion:104 Resp: 6604
Ion Ratio Lower Upper
104 100
78 34.8 30.9 57.3



#60
Isopropylbenzene
Concen: 0.102 ug/L
RT: 9.866 min Scan# 2745
Delta R.T. 0.007 min
Lab File: VV037925.D
Acq: 06 Nov 2024 12:29

Tgt Ion:105 Resp: 9889
Ion Ratio Lower Upper
105 100
120 25.7 21.0 31.4
77 14.8 12.2 18.2





#62

1,3,5-Trimethylbenzene

Concen: 0.112 ug/L

RT: 10.477 min Scan# 2932

Delta R.T. 0.010 min

Lab File: VV037925.D

Acq: 06 Nov 2024 12:29

Instrument :

MSVOA_V

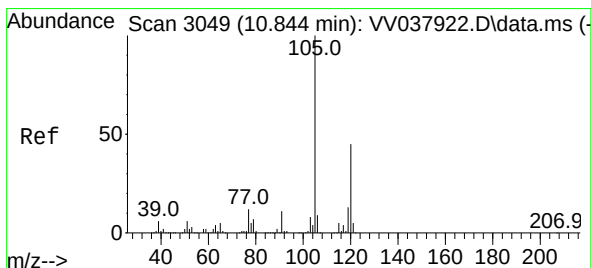
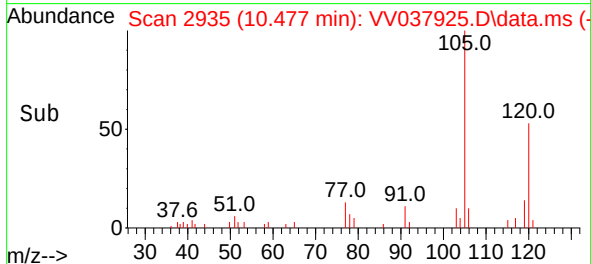
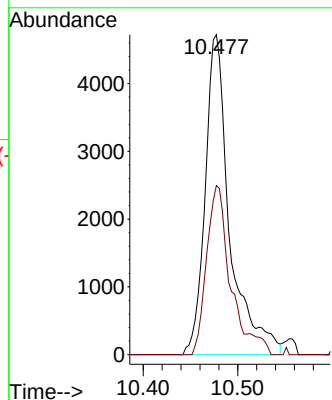
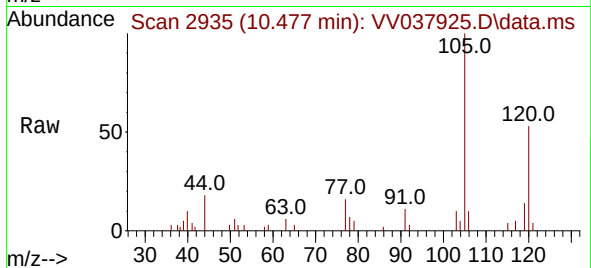
ClientSampleId :

Tgt Ion:105 Resp: 8511

Ion Ratio Lower Upper

105 100

120 51.8 39.0 58.6



#63

1,2,4-Trimethylbenzene

Concen: 0.125 ug/L

RT: 10.854 min Scan# 3052

Delta R.T. 0.010 min

Lab File: VV037925.D

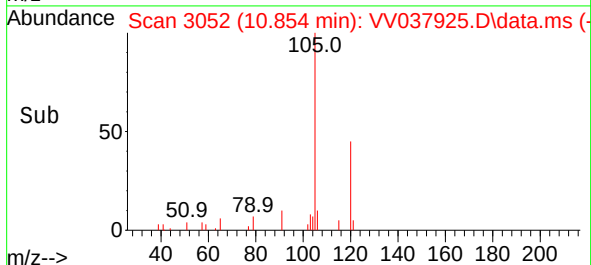
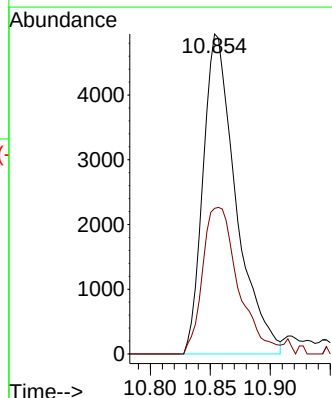
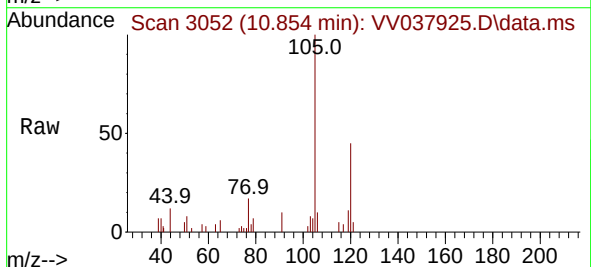
Acq: 06 Nov 2024 12:29

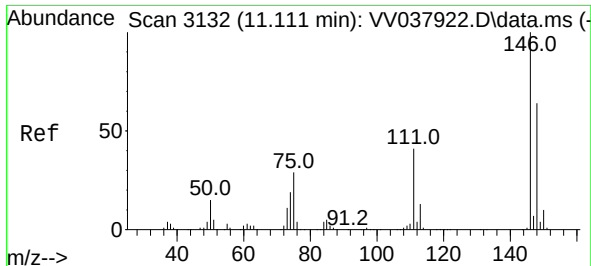
Tgt Ion:105 Resp: 9409

Ion Ratio Lower Upper

105 100

120 49.8 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 0.243 ug/L

RT: 11.124 min Scan# 3132

Delta R.T. 0.013 min

Lab File: VV037925.D

Acq: 06 Nov 2024 12:29

Instrument :

MSVOA_V

ClientSampleId :

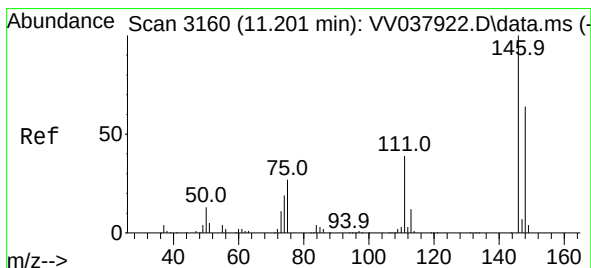
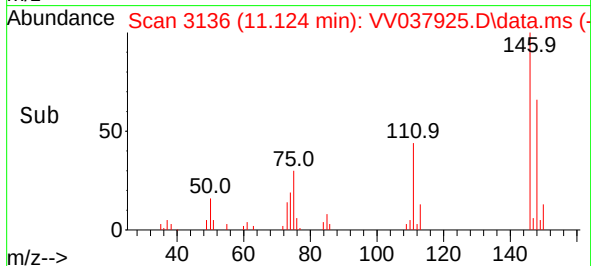
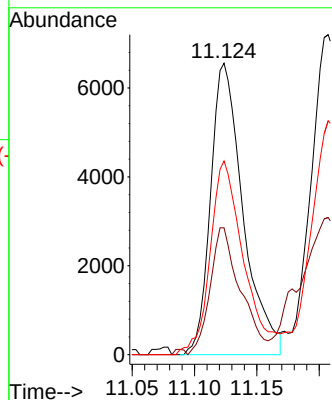
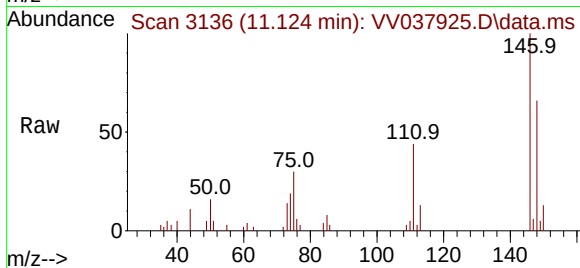
Tgt Ion:146 Resp: 11891

Ion Ratio Lower Upper

146 100

111 43.5 28.7 53.3

148 66.5 44.6 82.8



#65

1,4-Dichlorobenzene

Concen: 0.280 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.007 min

Lab File: VV037925.D

Acq: 06 Nov 2024 12:29

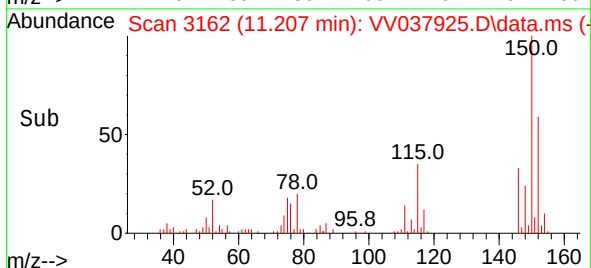
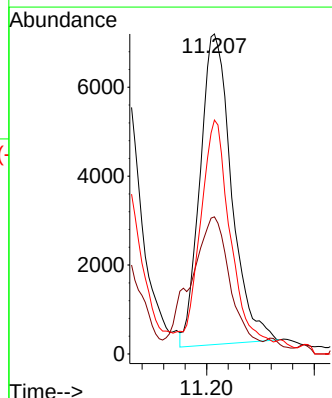
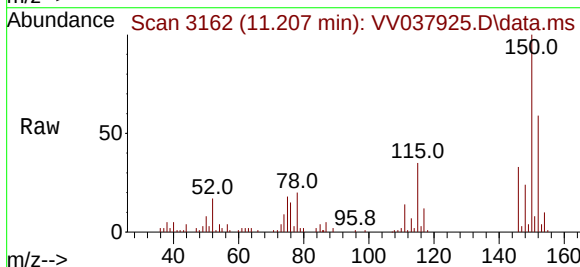
Tgt Ion:146 Resp: 14156

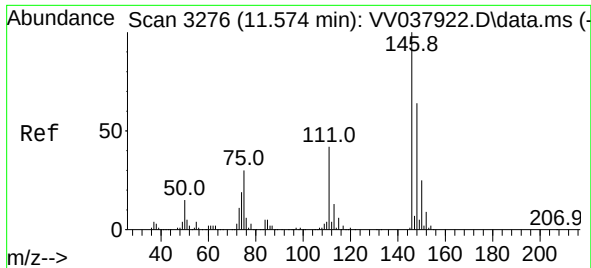
Ion Ratio Lower Upper

146 100

111 42.8 27.6 51.2

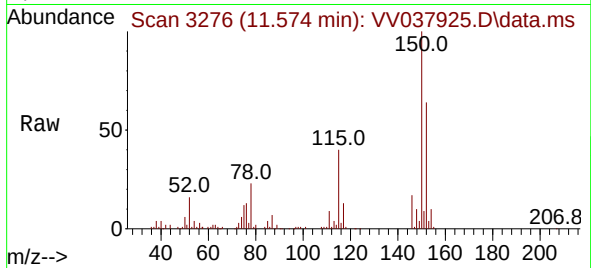
148 73.1 44.4 82.4



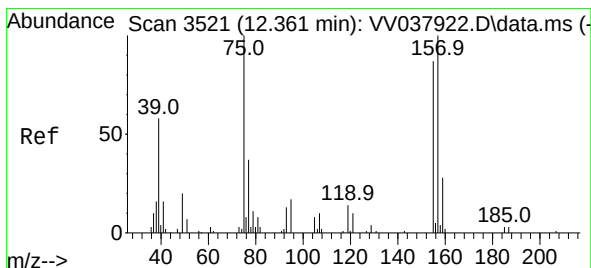
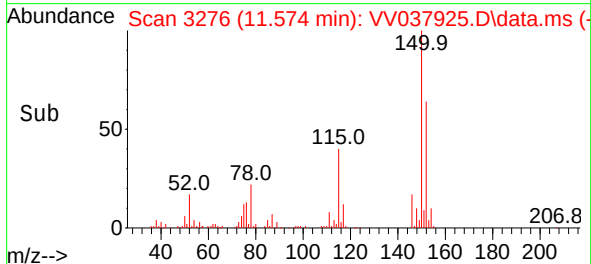
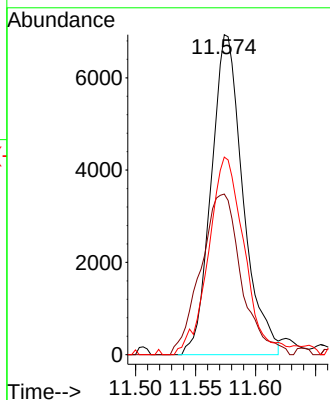


#67
1,2-Dichlorobenzene
Concen: 0.282 ug/L
RT: 11.574 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV037925.D
Acq: 06 Nov 2024 12:29

Instrument :
MSVOA_V
ClientSampleId :

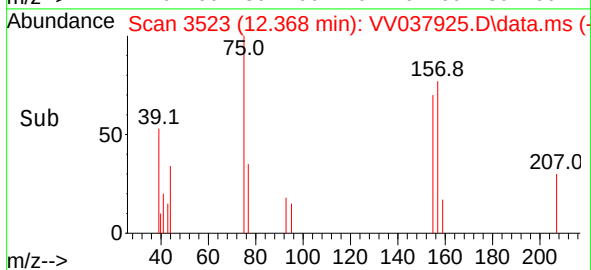
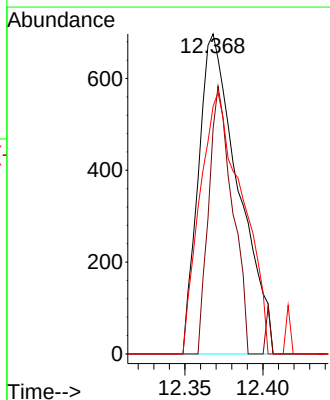
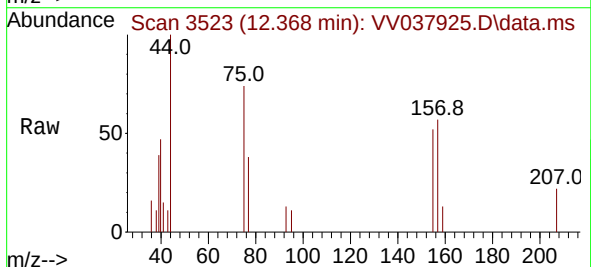


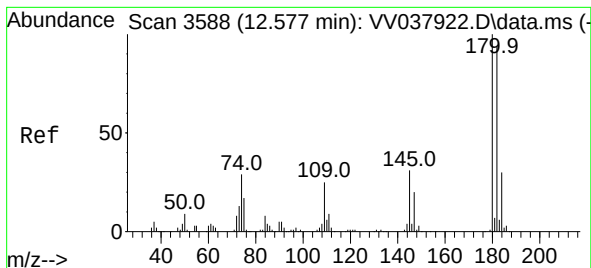
Tgt Ion:146 Resp: 12766
Ion Ratio Lower Upper
146 100
111 50.2 33.9 50.9
148 61.7 51.4 77.2



#68
1,2-Dibromo-3-chloropropane
Concen: 0.438 ug/L
RT: 12.368 min Scan# 3523
Delta R.T. 0.007 min
Lab File: VV037925.D
Acq: 06 Nov 2024 12:29

Tgt Ion: 75 Resp: 1236
Ion Ratio Lower Upper
75 100
155 70.3 70.2 105.2
157 77.3 80.2 120.4#





#69

1,3,5-Trichlorobenzene

Concen: 0.499 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.003 min

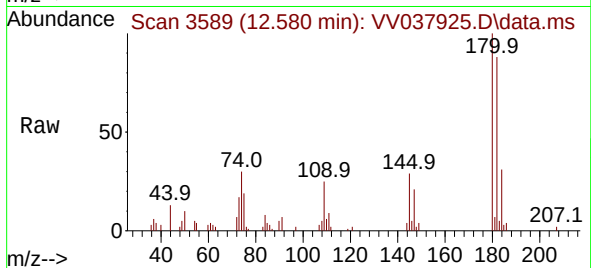
Lab File: VV037925.D

Acq: 06 Nov 2024 12:29

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 17267

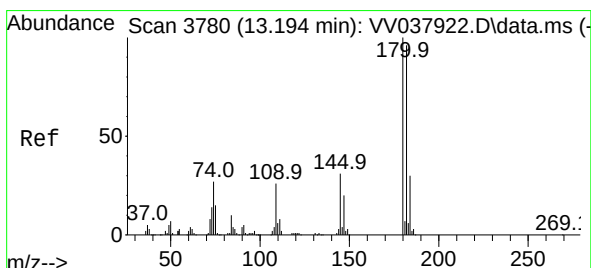
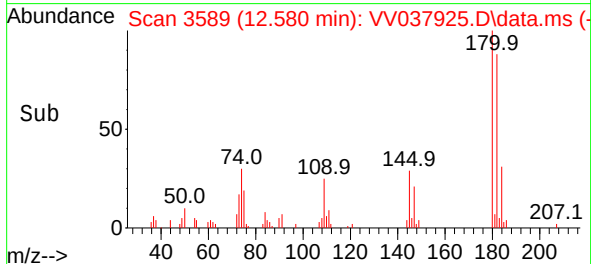
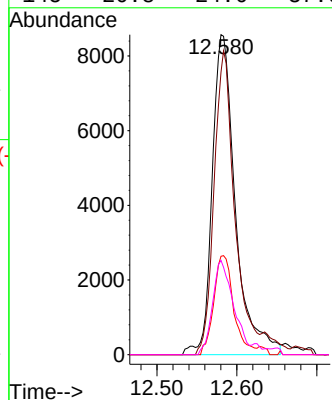
Ion Ratio Lower Upper

180 100

182 83.9 76.2 114.4

184 26.6 24.1 36.1

145 26.8 24.6 37.0



#70

1,2,4-trichlorobenzene

Concen: 0.939 ug/L

RT: 13.198 min Scan# 3781

Delta R.T. 0.003 min

Lab File: VV037925.D

Acq: 06 Nov 2024 12:29

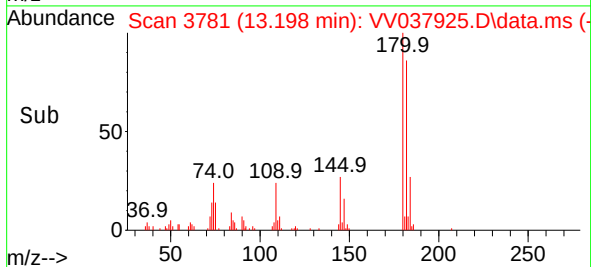
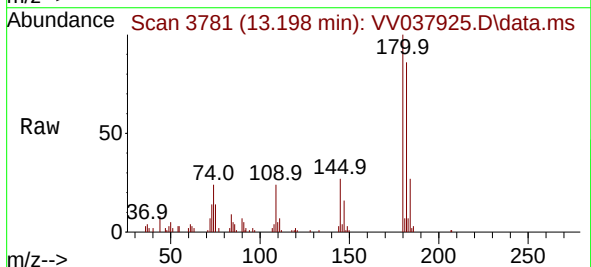
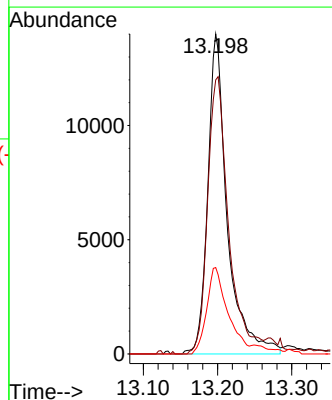
Tgt Ion:180 Resp: 25503

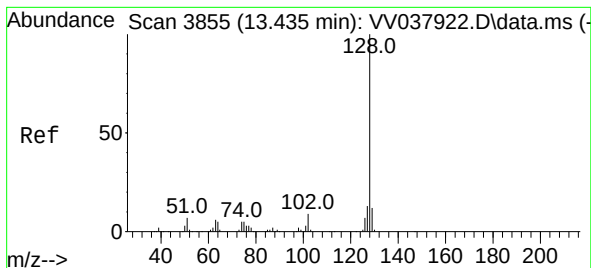
Ion Ratio Lower Upper

180 100

182 93.6 74.8 112.2

145 29.2 25.4 38.0





#71

Naphthalene

Concen: 2.732 ug/L

RT: 13.439 min Scan# 3930

Delta R.T. 0.003 min

Lab File: VV037925.D

Acq: 06 Nov 2024 12:29

Instrument :

MSVOA_V

ClientSampleId :

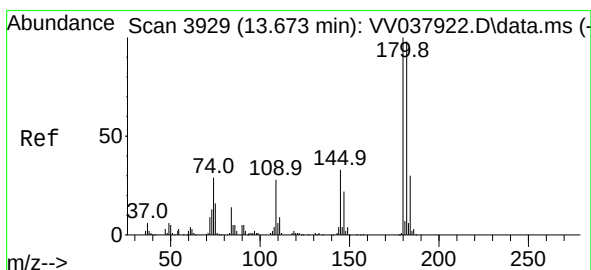
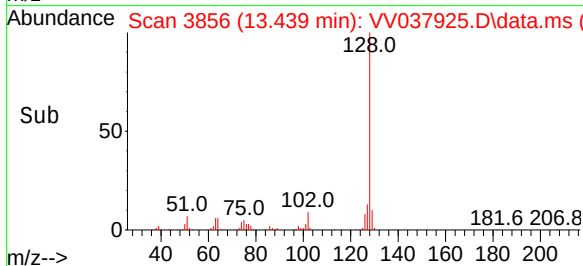
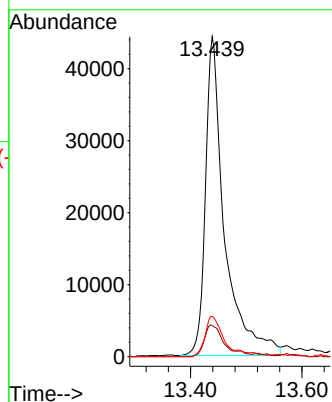
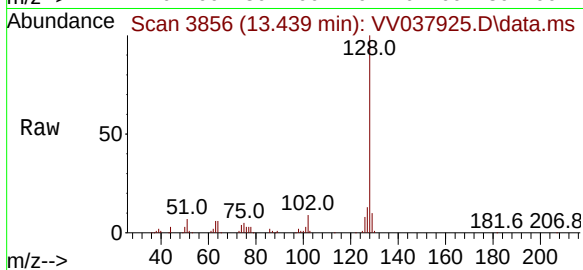
Tgt Ion:128 Resp: 105307

Ion Ratio Lower Upper

128 100

129 10.4 8.3 12.5

127 11.5 9.9 14.9



#72

1,2,3-Trichlorobenzene

Concen: 1.164 ug/L

RT: 13.677 min Scan# 3930

Delta R.T. 0.003 min

Lab File: VV037925.D

Acq: 06 Nov 2024 12:29

Tgt Ion:180 Resp: 27249

Ion Ratio Lower Upper

180 100

182 95.0 79.4 119.0

145 33.4 26.6 40.0

