

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082224\
 Data File : VV037002.D
 Acq On : 22 Aug 2024 11:16
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00mL/10mL/MSVOA_V/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 23 05:13:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082224SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 23 05:07:38 2024
 Response via : Initial Calibration

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

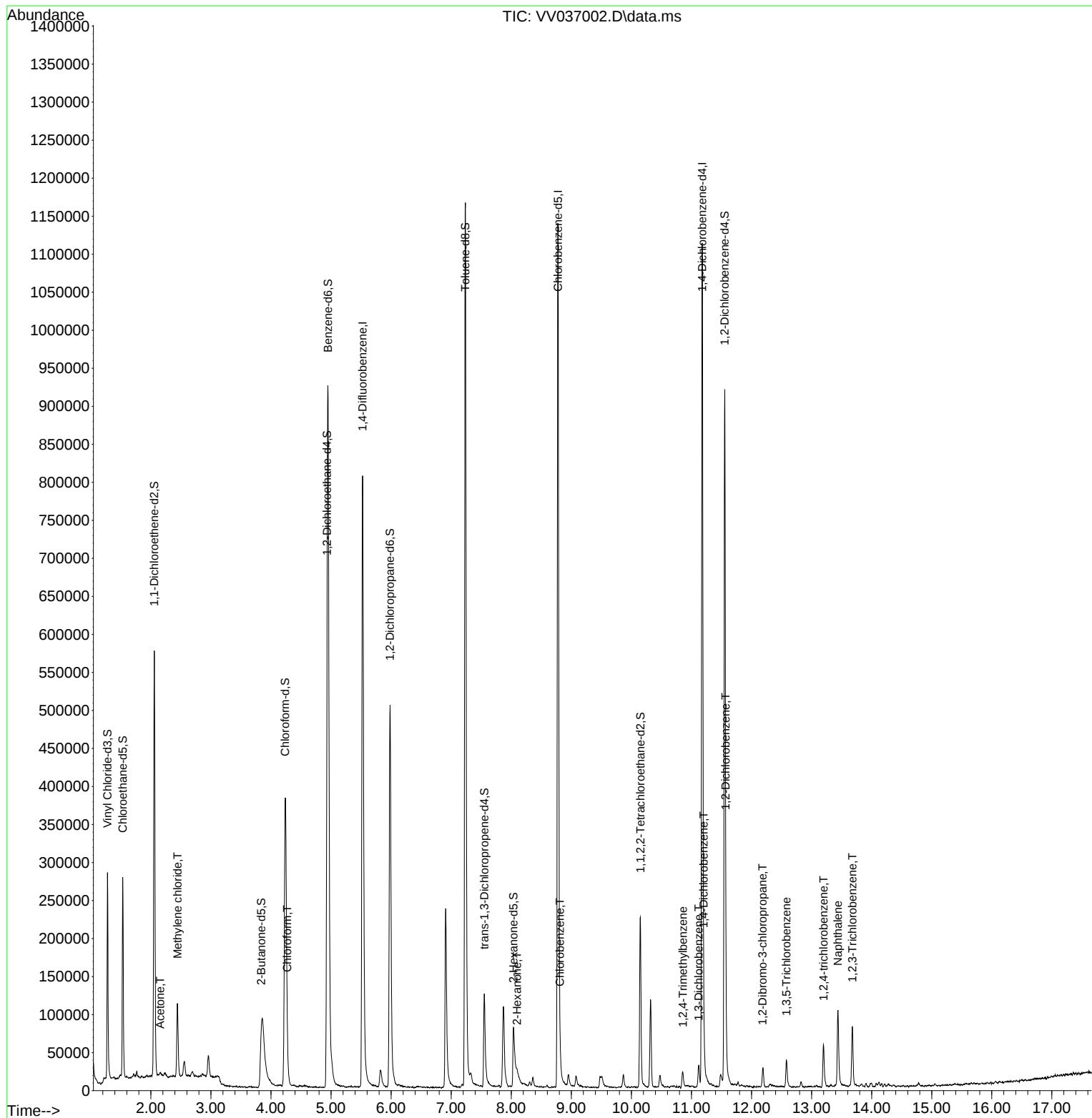
Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	699824	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	620688	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	276417	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	181446	18.504	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.000%
7) Chloroethane-d5	1.532	69	171303	20.423	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.680%
11) 1,1-Dichloroethene-d2	2.056	65	94674	20.042	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	80.160%
21) 2-Butanone-d5	3.838	46	60125	33.062	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	66.120%
24) Chloroform-d	4.236	84	408120	20.694	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	82.760%
26) 1,2-Dichloroethane-d4	4.934	65	185109	20.405	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	81.600%
32) Benzene-d6	4.950	84	842242	22.644	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.560%
36) 1,2-Dichloropropane-d6	5.982	67	250375	22.235	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.920%
41) Toluene-d8	7.236	98	769266	22.691	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.760%
43) trans-1,3-Dichloroprop...	7.551	79	78499	19.981	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	79.920%
47) 2-Hexanone-d5	8.037	63	29213	29.330	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	58.660%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	115338	18.501	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	74.000%
66) 1,2-Dichlorobenzene-d4	11.554	152	225616	22.802	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.200%
Target Compounds						Qvalue
13) Acetone	2.153	43	5488	2.572	ug/L	78
16) Methylene chloride	2.442	84	37608	2.702	ug/L	97
25) Chloroform	4.272	83	11324	0.572	ug/L	87
48) 2-Hexanone	8.098	43	5062	1.637	ug/L #	81
51) Chlorobenzene	8.812	112	11426	0.422	ug/L	88
63) 1,2,4-Trimethylbenzene	10.857	105	11910	0.342	ug/L	95
64) 1,3-Dichlorobenzene	11.120	146	11668	0.626	ug/L	92
65) 1,4-Dichlorobenzene	11.204	146	14090	0.757	ug/L	96
67) 1,2-Dichlorobenzene	11.570	146	11245	0.697	ug/L	89
68) 1,2-Dibromo-3-chloropr...	12.185	75	1129	1.296	ug/L #	8
69) 1,3,5-Trichlorobenzene	12.580	180	10320	0.795	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	17176	1.653	ug/L	98
71) Naphthalene	13.439	128	85483	5.463	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	15783	1.835	ug/L	95

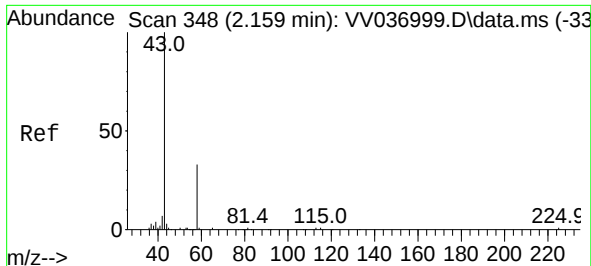
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Aug 23 05:07:38 2024
Response via : Initial Calibration





#13

Acetone

Concen: 2.572 ug/L

RT: 2.153 min Scan# 34

Delta R.T. -0.006 min

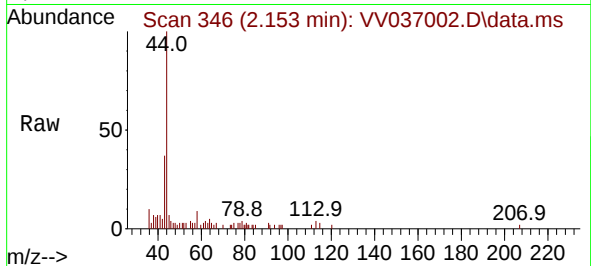
Lab File: VV037002.D

Acq: 22 Aug 2024 11:16

Instrument :

MSVOA_V

ClientSampleId :

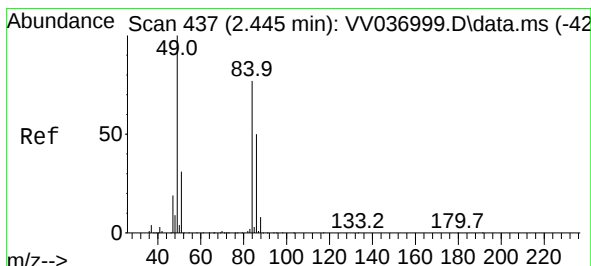
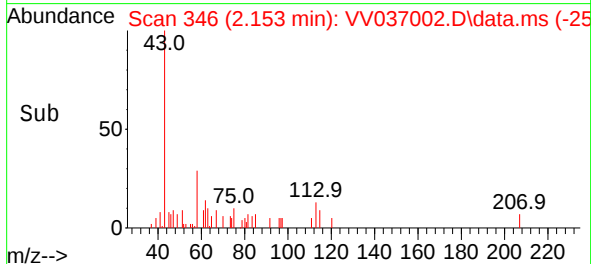
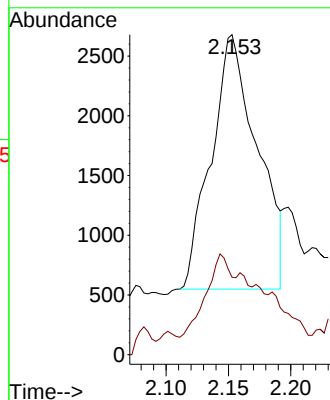


Tgt Ion: 43 Resp: 5488

Ion Ratio Lower Upper

43 100

58 19.0 0.0 21.2



#16

Methylene chloride

Concen: 2.702 ug/L

RT: 2.442 min Scan# 436

Delta R.T. -0.003 min

Lab File: VV037002.D

Acq: 22 Aug 2024 11:16

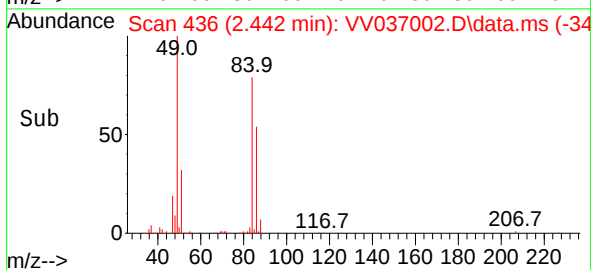
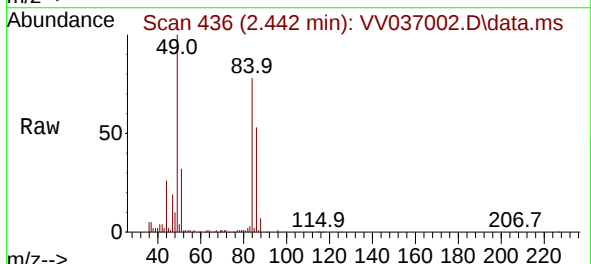
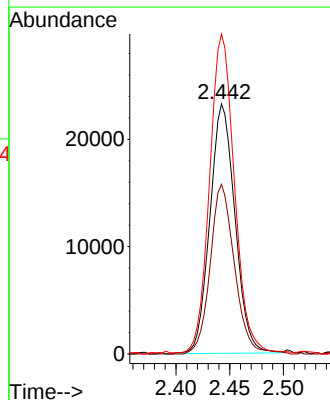
Tgt Ion: 84 Resp: 37608

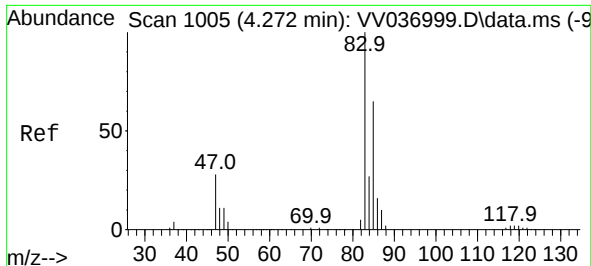
Ion Ratio Lower Upper

84 100

86 67.8 45.4 84.2

49 128.0 91.2 169.4





#25

Chloroform

Concen: 0.572 ug/L

RT: 4.272 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV037002.D

Acq: 22 Aug 2024 11:16

Instrument :

MSVOA_V

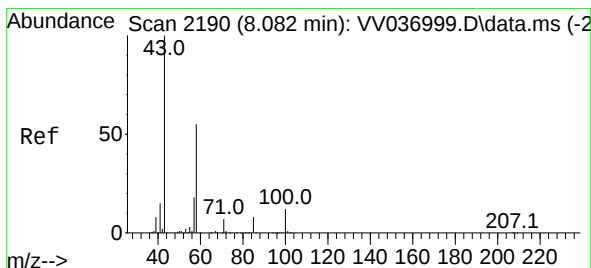
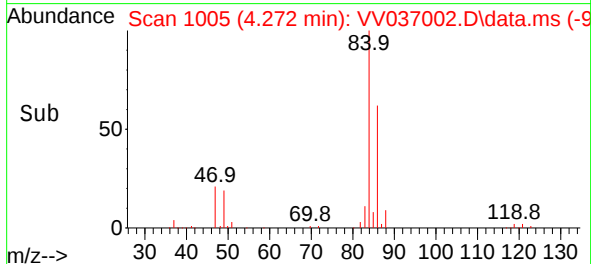
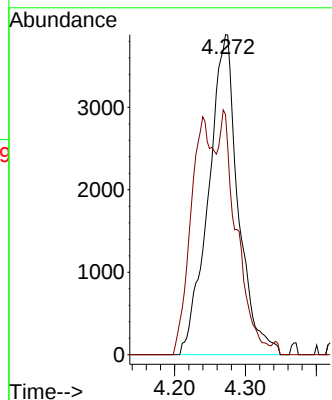
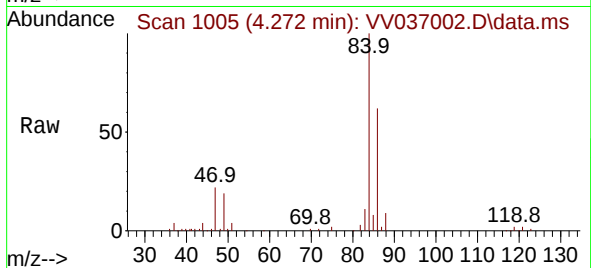
ClientSampleId :

Tgt Ion: 83 Resp: 11324

Ion Ratio Lower Upper

83 100

85 75.1 45.5 84.5



#48

2-Hexanone

Concen: 1.637 ug/L

RT: 8.098 min Scan# 2195

Delta R.T. 0.016 min

Lab File: VV037002.D

Acq: 22 Aug 2024 11:16

Tgt Ion: 43 Resp: 5062

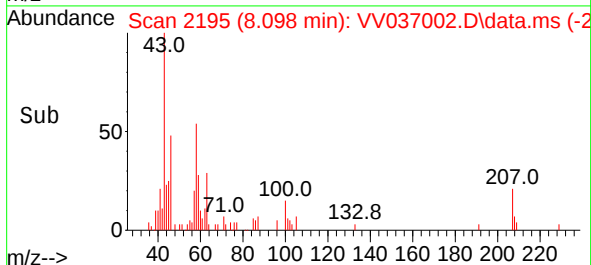
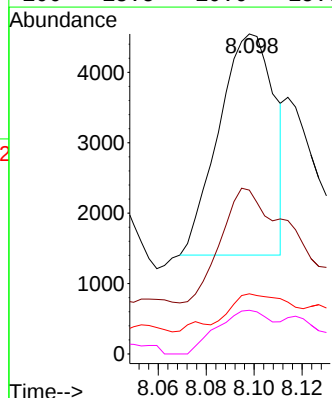
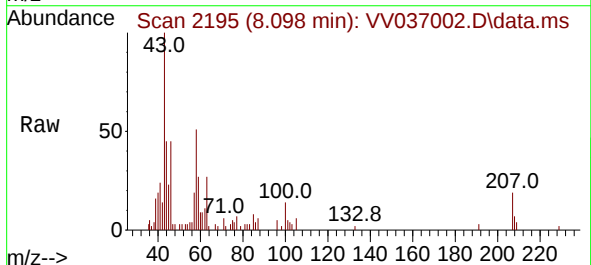
Ion Ratio Lower Upper

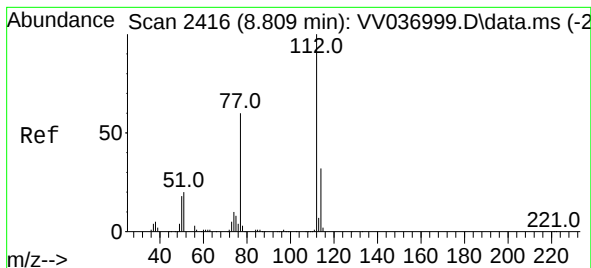
43 100

58 42.6 47.9 71.9#

57 14.3 15.1 22.7#

100 18.5 10.0 15.0#





#51

Chlorobenzene

Concen: 0.422 ug/L

RT: 8.812 min Scan# 2416

Delta R.T. 0.003 min

Lab File: VV037002.D

Acq: 22 Aug 2024 11:16

Instrument :

MSVOA_V

ClientSampleId :

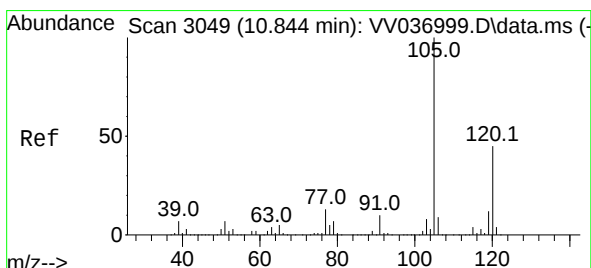
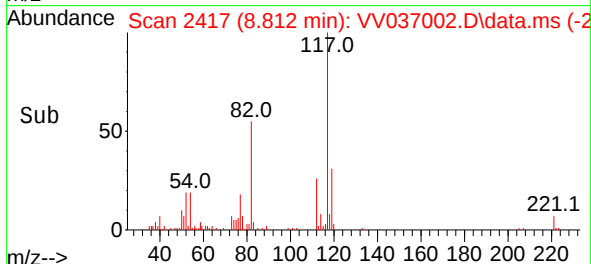
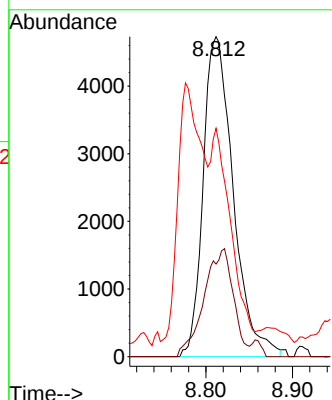
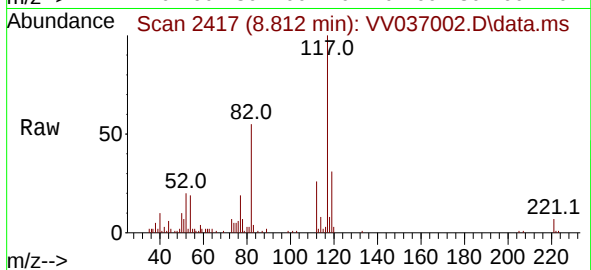
Tgt Ion:112 Resp: 11426

Ion Ratio Lower Upper

112 100

114 29.0 22.7 42.3

77 71.3 48.2 72.2



#63

1,2,4-Trimethylbenzene

Concen: 0.342 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. 0.013 min

Lab File: VV037002.D

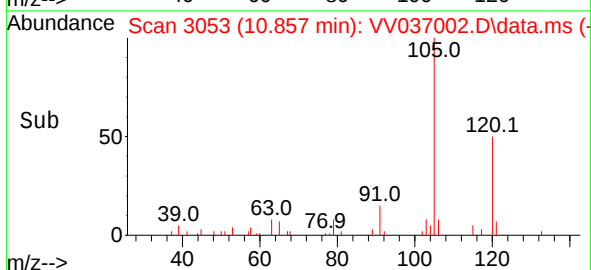
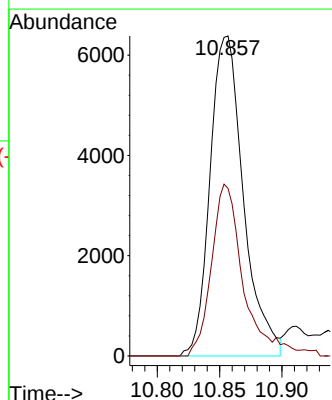
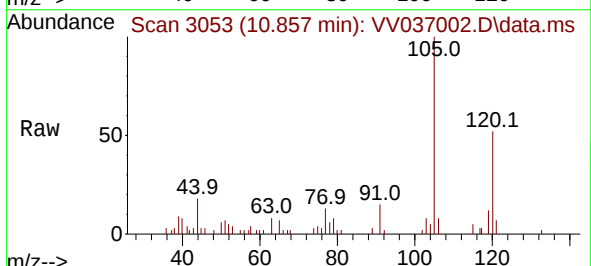
Acq: 22 Aug 2024 11:16

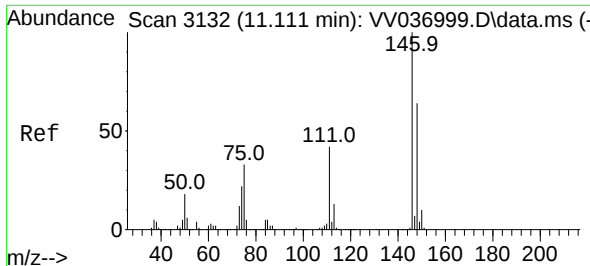
Tgt Ion:105 Resp: 11910

Ion Ratio Lower Upper

105 100

120 48.5 36.2 54.2

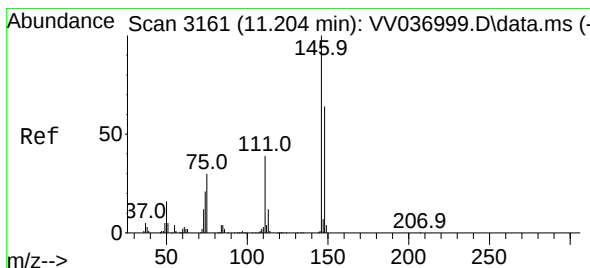
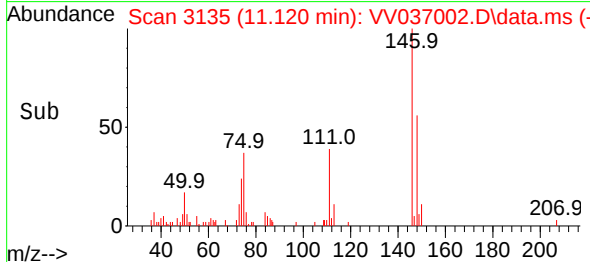
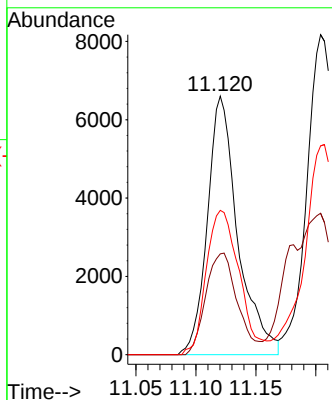
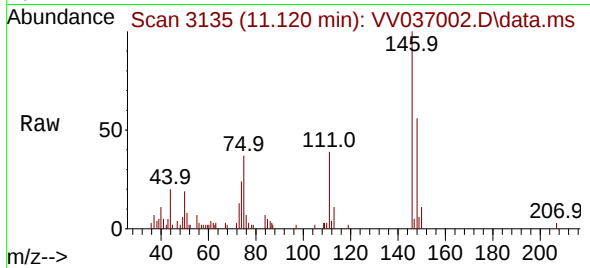




#64
1,3-Dichlorobenzene
Concen: 0.626 ug/L
RT: 11.120 min Scan# 3132
Delta R.T. 0.010 min
Lab File: VV037002.D
Acq: 22 Aug 2024 11:16

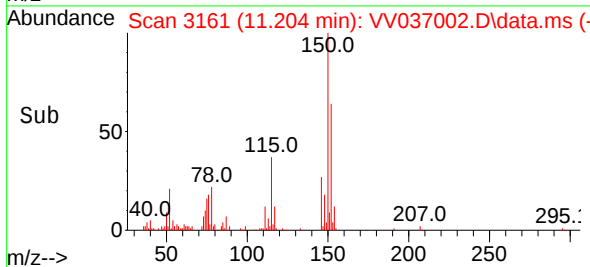
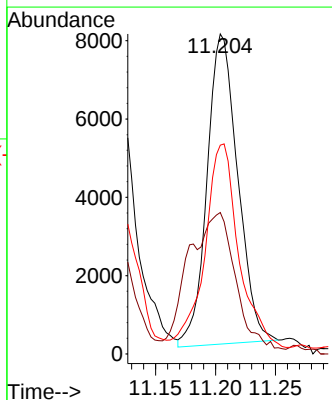
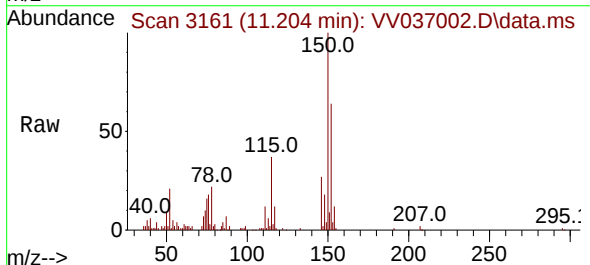
Instrument :
MSVOA_V
ClientSampleId :

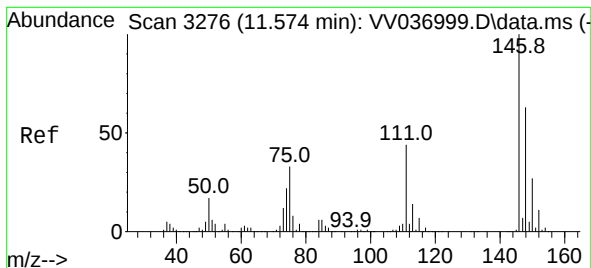
Tgt Ion:146 Resp: 11668
Ion Ratio Lower Upper
146 100
111 39.0 29.5 54.9
148 55.8 44.7 83.1



#65
1,4-Dichlorobenzene
Concen: 0.757 ug/L
RT: 11.204 min Scan# 3161
Delta R.T. 0.000 min
Lab File: VV037002.D
Acq: 22 Aug 2024 11:16

Tgt Ion:146 Resp: 14090
Ion Ratio Lower Upper
146 100
111 44.2 27.6 51.4
148 65.3 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 0.697 ug/L

RT: 11.570 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV037002.D

Acq: 22 Aug 2024 11:16

Instrument :

MSVOA_V

ClientSampleId :

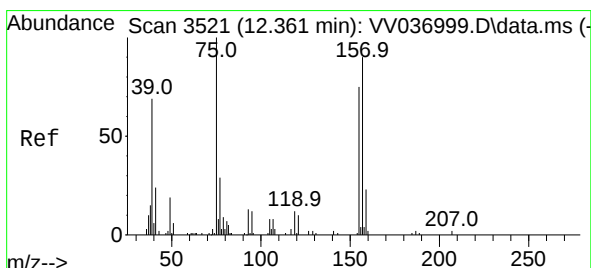
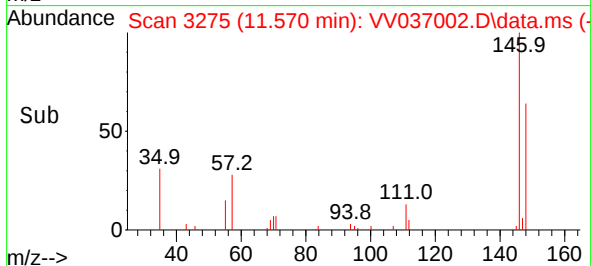
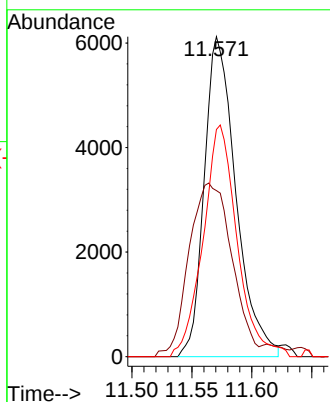
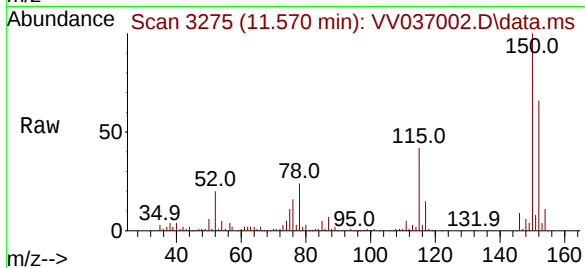
Tgt Ion:146 Resp: 11245

Ion Ratio Lower Upper

146 100

111 51.9 35.4 53.0

148 71.0 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 1.296 ug/L

RT: 12.185 min Scan# 3466

Delta R.T. -0.177 min

Lab File: VV037002.D

Acq: 22 Aug 2024 11:16

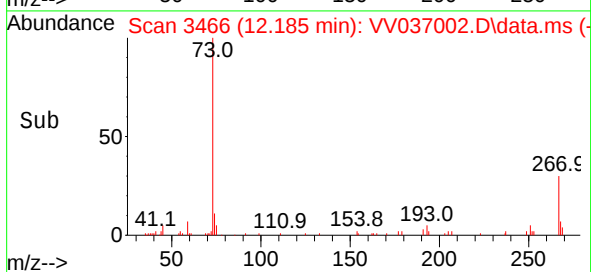
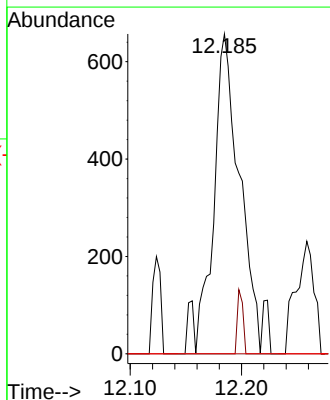
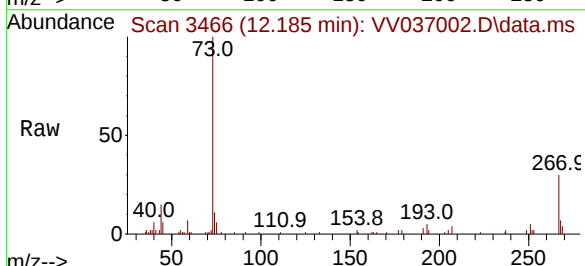
Tgt Ion: 75 Resp: 1129

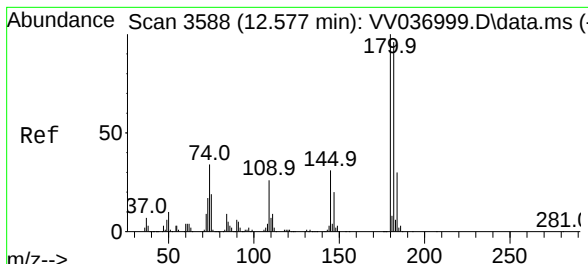
Ion Ratio Lower Upper

75 100

155 0.0 59.9 89.9#

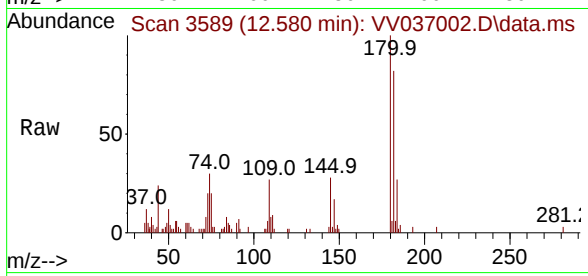
157 0.0 72.2 108.2#



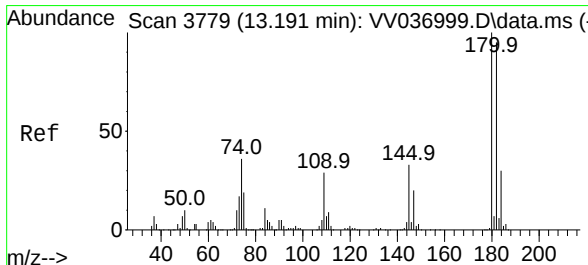
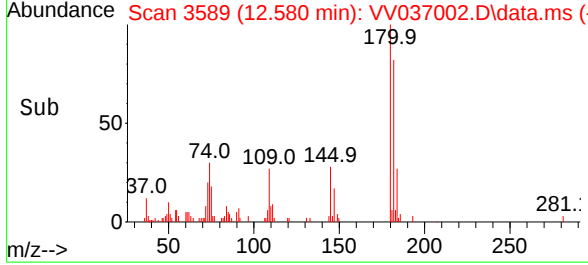
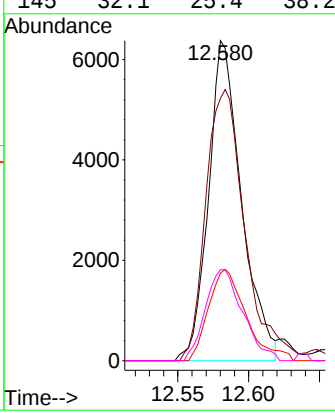


#69
 1,3,5-Trichlorobenzene
 Concen: 0.795 ug/L
 RT: 12.580 min Scan# 3589
 Delta R.T. 0.003 min
 Lab File: VV037002.D
 Acq: 22 Aug 2024 11:16

Instrument :
 MSVOA_V
 ClientSampleId :

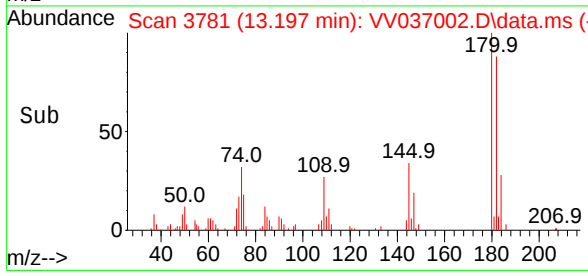
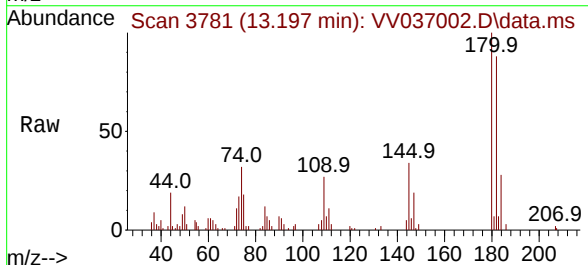
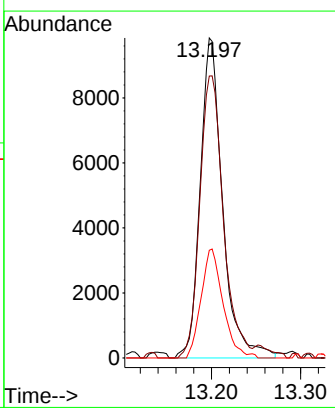


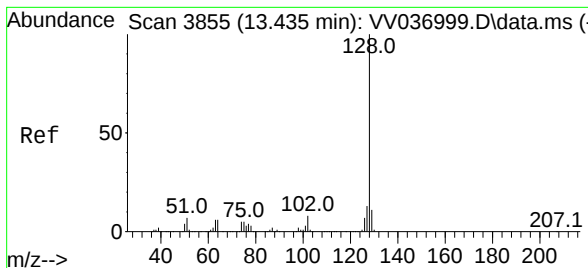
Tgt Ion:	180	Resp:	10320
Ion Ratio	Lower	Upper	
180	100		
182	94.6	76.4	114.6
184	32.4	24.2	36.4
145	32.1	25.4	38.2



#70
 1,2,4-trichlorobenzene
 Concen: 1.653 ug/L
 RT: 13.197 min Scan# 3781
 Delta R.T. 0.006 min
 Lab File: VV037002.D
 Acq: 22 Aug 2024 11:16

Tgt Ion:	180	Resp:	17176
Ion Ratio	Lower	Upper	
180	100		
182	92.7	76.0	114.0
145	33.0	25.8	38.6





#71

Naphthalene

Concen: 5.463 ug/L

RT: 13.439 min Scan# 3855

Delta R.T. 0.003 min

Lab File: VV037002.D

Acq: 22 Aug 2024 11:16

Instrument :

MSVOA_V

ClientSampleId :

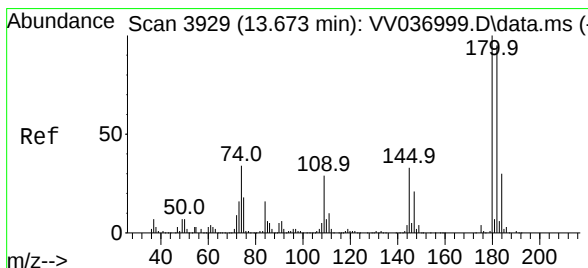
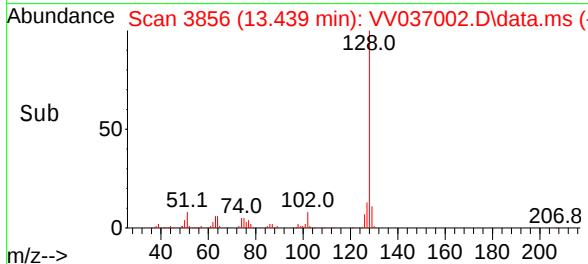
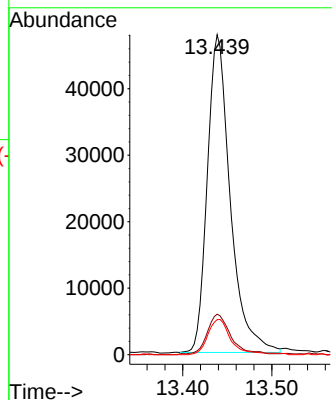
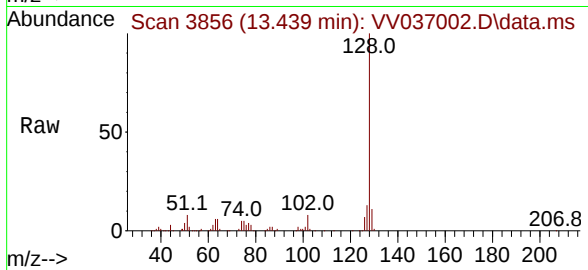
Tgt Ion:128 Resp: 85483

Ion Ratio Lower Upper

128 100

127 12.3 10.2 15.4

129 11.2 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 1.835 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.006 min

Lab File: VV037002.D

Acq: 22 Aug 2024 11:16

Tgt Ion:180 Resp: 15783

Ion Ratio Lower Upper

180 100

182 91.2 76.2 114.4

145 36.6 26.6 40.0

