

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111323\
 Data File : VW032946.D
 Acq On : 13 Nov 2023 21:16
 Operator : SY/MD
 Sample : 05296-01 5X
 Misc : 5.28gm/5mL/100uL/5mL/MSVOA_V/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 14 01:38:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM111323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 14 01:11:23 2023
 Response via : Initial Calibration

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

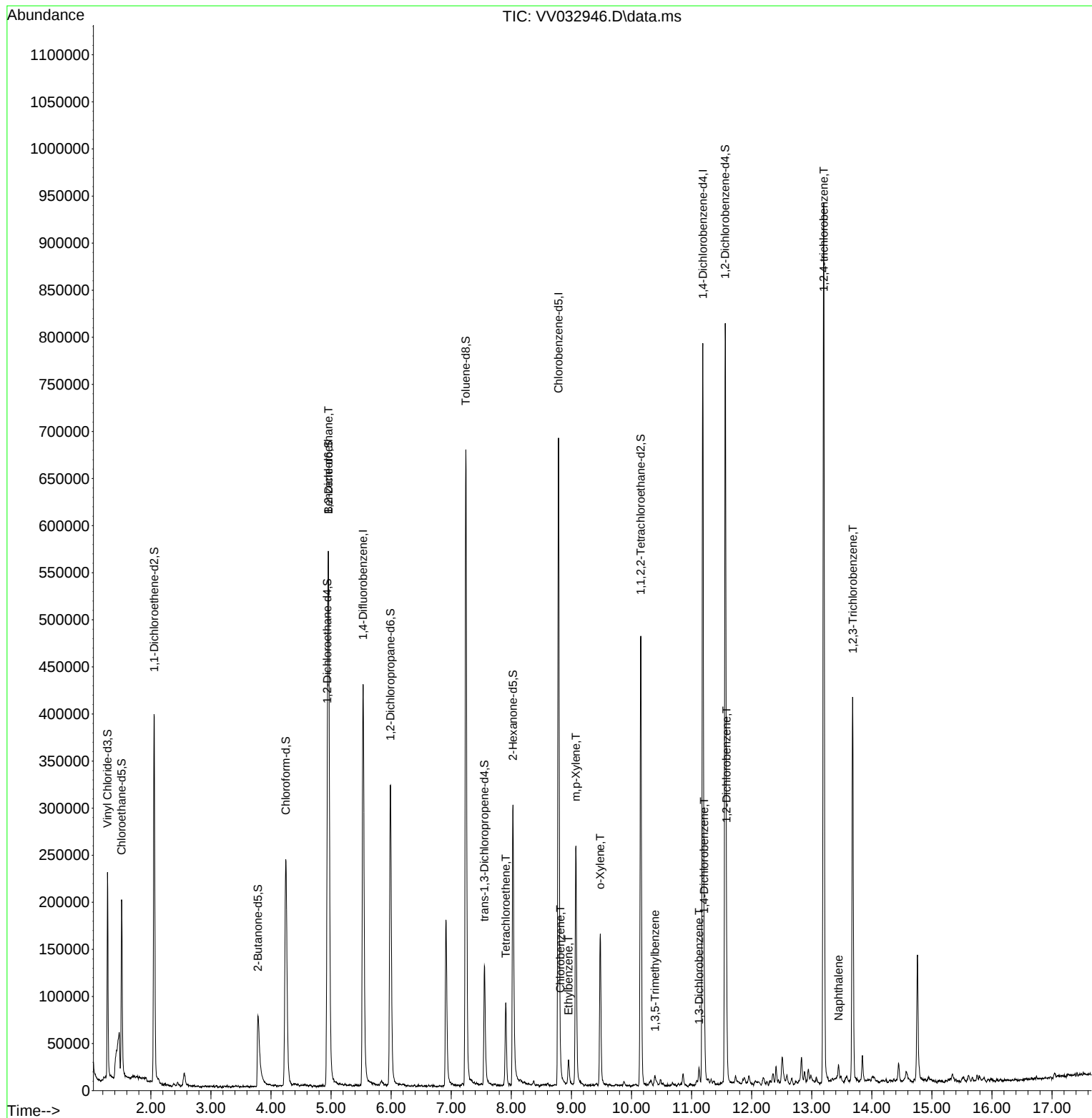
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	379951	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	384596	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	198479	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	139607	43.444	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	86.880%	
7) Chloroethane-d5	1.513	69	127773	47.990	ug/L	-0.02
Spiked Amount 50.000	Range 70	- 130	Recovery	=	95.980%	
11) 1,1-Dichloroethene-d2	2.056	65	64299	45.924	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	91.840%	
21) 2-Butanone-d5	3.783	46	118666	86.149	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	=	86.150%	
24) Chloroform-d	4.246	84	256111	46.133	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	92.260%	
26) 1,2-Dichloroethane-d4	4.937	65	161733	47.879	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	95.760%	
32) Benzene-d6	4.957	84	508309	48.459	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	96.920%	
36) 1,2-Dichloropropane-d6	5.989	67	151253	49.607	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	99.220%	
41) Toluene-d8	7.243	98	444348	45.947	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	91.900%	
43) trans-1,3-Dichloroprop...	7.551	79	73466	45.387	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	90.780%	
47) 2-Hexanone-d5	8.027	63	106694	95.518	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	=	95.520%	
56) 1,1,2,2-Tetrachloroeth...	10.152	84	219915	49.237	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	98.480%	
66) 1,2-Dichlorobenzene-d4	11.561	152	202452	52.494	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	104.980%	
Target Compounds						Qvalue
27) 1,2-Dichloroethane	4.957	62	3455	0.873	ug/L	97
46) Tetrachloroethene	7.908	164	19594	8.024	ug/L	97
51) Chlorobenzene	8.815	112	5775	0.731	ug/L	98
52) Ethylbenzene	8.953	91	19109	1.514	ug/L	97
53) m,p-Xylene	9.075	106	73900	15.225	ug/L	99
54) o-Xylene	9.480	106	42667	9.117	ug/L	96
62) 1,3,5-Trimethylbenzene	10.390	105	5247	0.589	ug/L	98
64) 1,3-Dichlorobenzene	11.127	146	7123	1.162	ug/L	93
65) 1,4-Dichlorobenzene	11.210	146	29972	4.560	ug/L	97
67) 1,2-Dichlorobenzene	11.580	146	23614	3.832	ug/L #	93
70) 1,2,4-trichlorobenzene	13.201	180	272415	65.961	ug/L	99
71) Naphthalene	13.448	128	12162	1.121	ug/L	96
72) 1,2,3-Trichlorobenzene	13.683	180	119008	28.632	ug/L	98

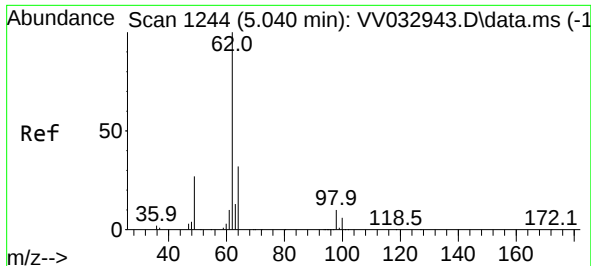
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Nov 14 01:11:23 2023
Response via : Initial Calibration





#27

1,2-Dichloroethane

Concen: 0.873 ug/L

RT: 4.957 min Scan# 1218

Delta R.T. -0.084 min

Lab File: VV032946.D

Acq: 13 Nov 2023 21:16

Instrument :

MSVOA_V

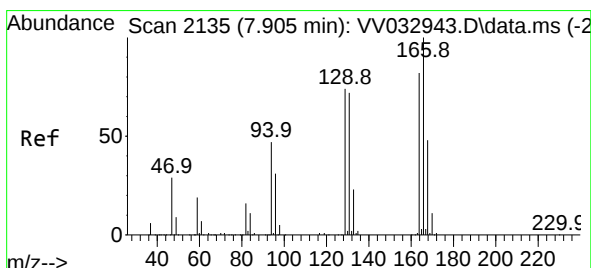
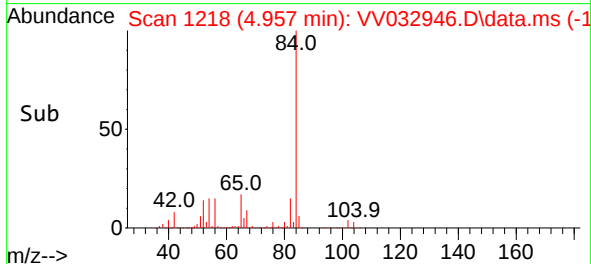
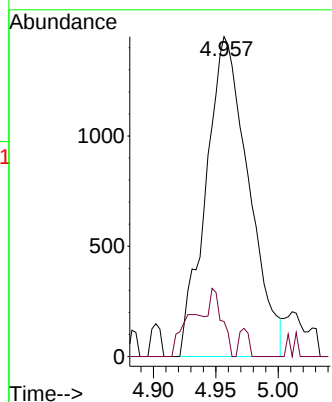
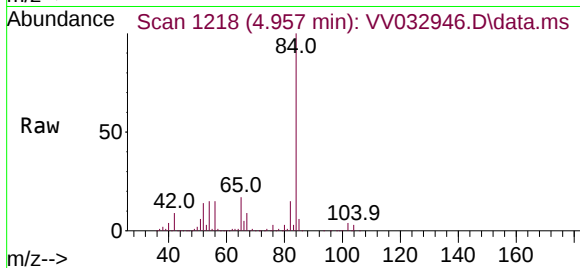
ClientSampleId :

Tgt Ion: 62 Resp: 3455

Ion Ratio Lower Upper

62 100

98 11.0 8.0 12.0



#46

Tetrachloroethene

Concen: 8.024 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. 0.003 min

Lab File: VV032946.D

Acq: 13 Nov 2023 21:16

Tgt Ion: 164 Resp: 19594

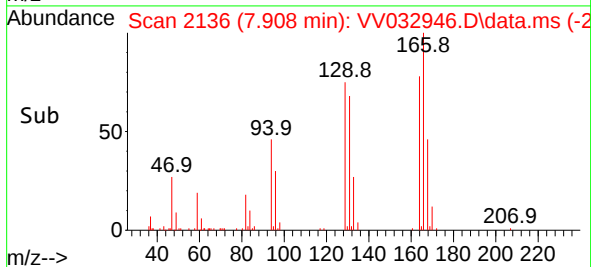
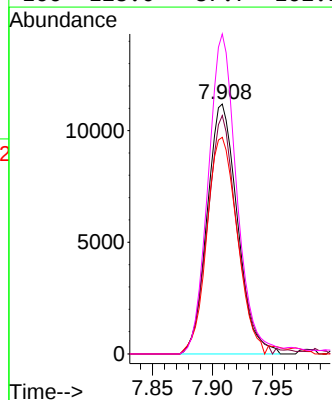
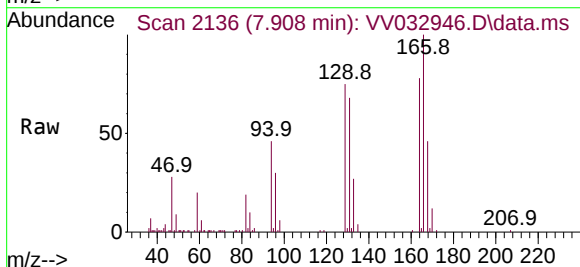
Ion Ratio Lower Upper

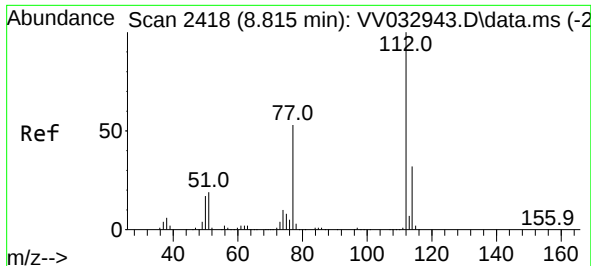
164 100

129 95.4 64.2 119.2

131 86.7 63.5 117.9

166 128.0 87.7 162.9

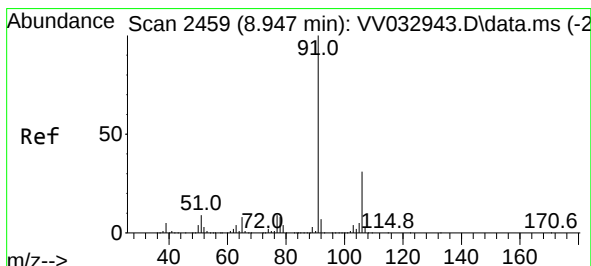
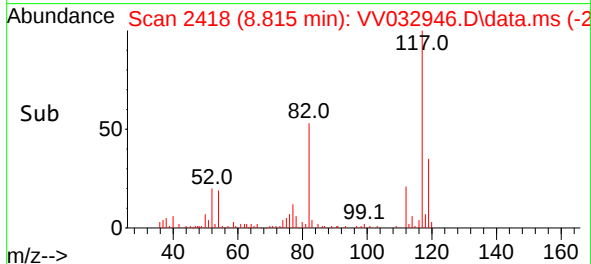
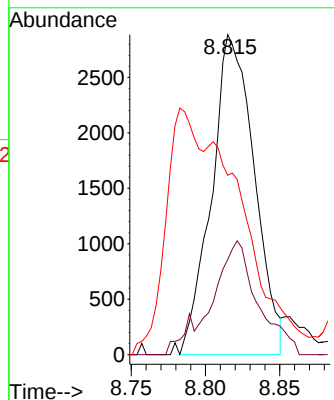
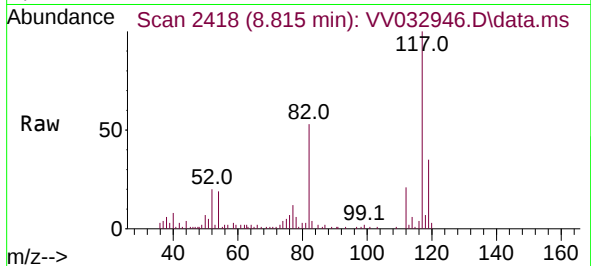




#51
Chlorobenzene
Concen: 0.731 ug/L
RT: 8.815 min Scan# 2418
Delta R.T. -0.000 min
Lab File: VV032946.D
Acq: 13 Nov 2023 21:16

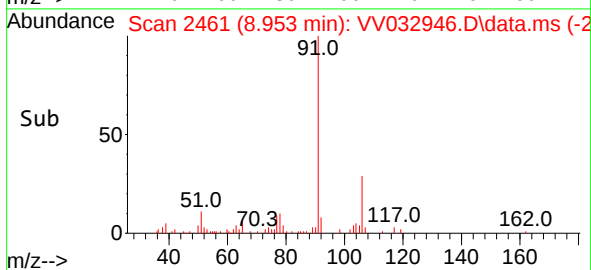
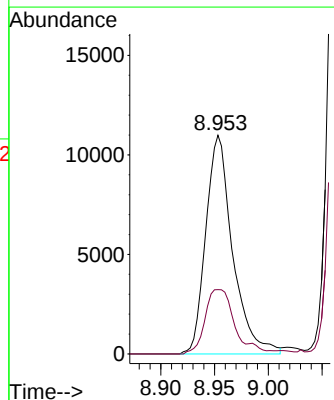
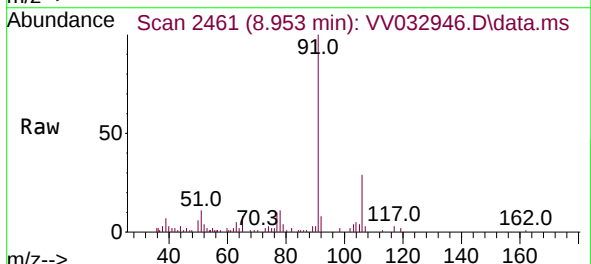
Instrument :
MSVOA_V
ClientSampleId :

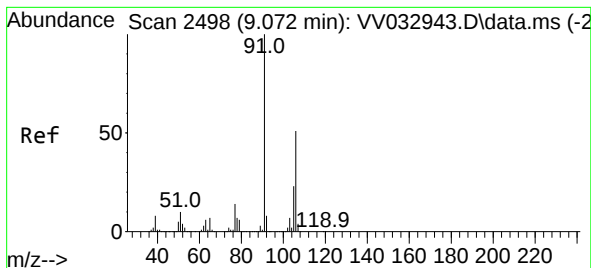
Tgt Ion:112 Resp: 5775
Ion Ratio Lower Upper
112 100
114 29.8 22.1 41.1
77 56.0 44.2 66.2



#52
Ethylbenzene
Concen: 1.514 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.006 min
Lab File: VV032946.D
Acq: 13 Nov 2023 21:16

Tgt Ion: 91 Resp: 19109
Ion Ratio Lower Upper
91 100
106 29.4 21.6 40.0





#53

m,p-Xylene

Concen: 15.225 ug/L

RT: 9.075 min Scan# 2498

Delta R.T. 0.003 min

Lab File: VV032946.D

Acq: 13 Nov 2023 21:16

Instrument :

MSVOA_V

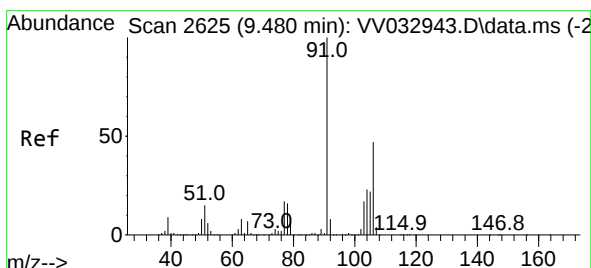
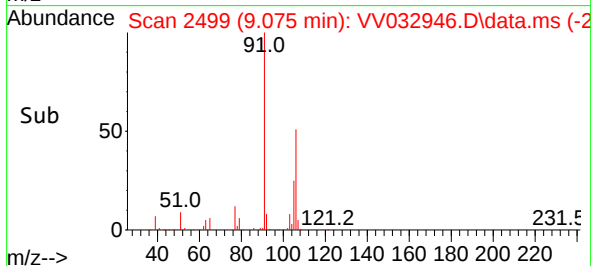
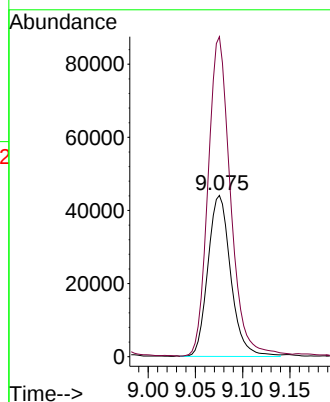
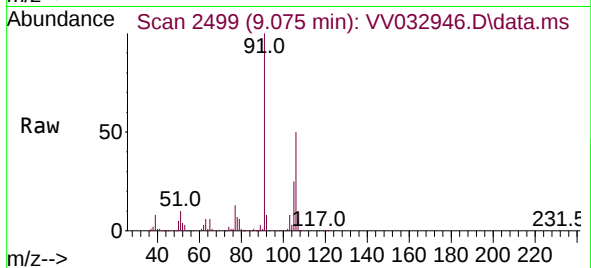
ClientSampleId :

Tgt Ion:106 Resp: 73900

Ion Ratio Lower Upper

106 100

91 198.4 137.5 255.4



#54

o-Xylene

Concen: 9.117 ug/L

RT: 9.480 min Scan# 2625

Delta R.T. -0.000 min

Lab File: VV032946.D

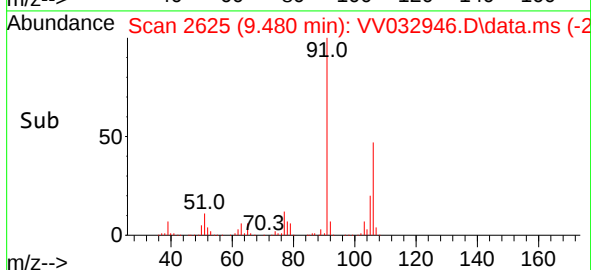
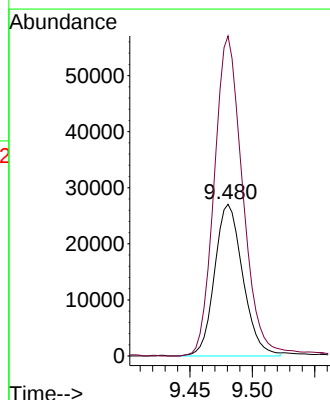
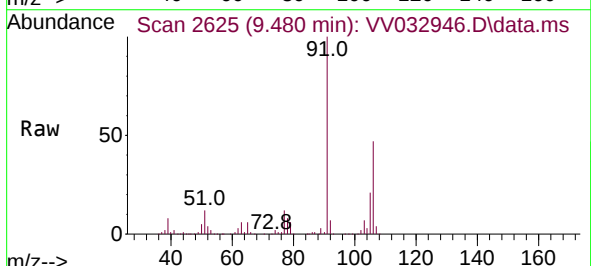
Acq: 13 Nov 2023 21:16

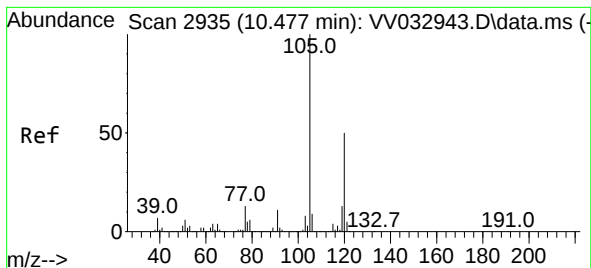
Tgt Ion:106 Resp: 42667

Ion Ratio Lower Upper

106 100

91 211.0 151.6 281.6





#62

1,3,5-Trimethylbenzene

Concen: 0.589 ug/L

RT: 10.390 min Scan# 2935

Delta R.T. -0.087 min

Lab File: VV032946.D

Acq: 13 Nov 2023 21:16

Instrument :

MSVOA_V

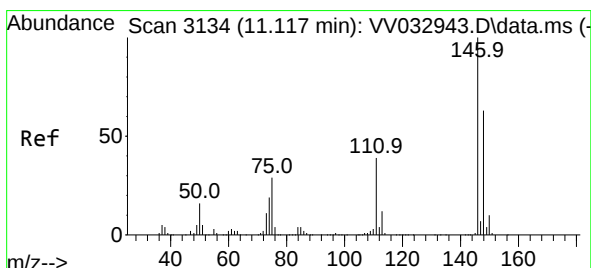
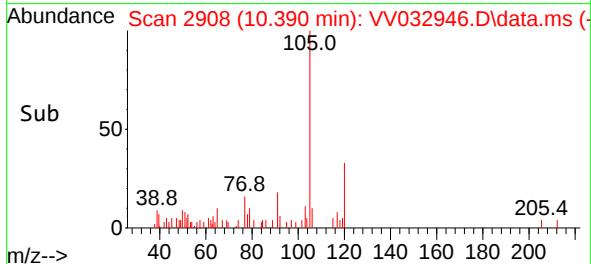
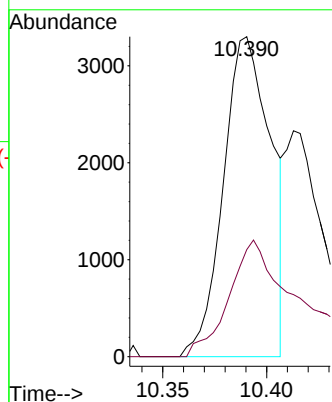
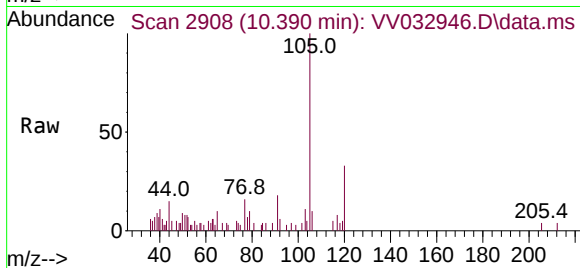
ClientSampleId :

Tgt Ion:105 Resp: 5247

Ion Ratio Lower Upper

105 100

120 51.1 39.6 59.4



#64

1,3-Dichlorobenzene

Concen: 1.162 ug/L

RT: 11.127 min Scan# 3137

Delta R.T. 0.010 min

Lab File: VV032946.D

Acq: 13 Nov 2023 21:16

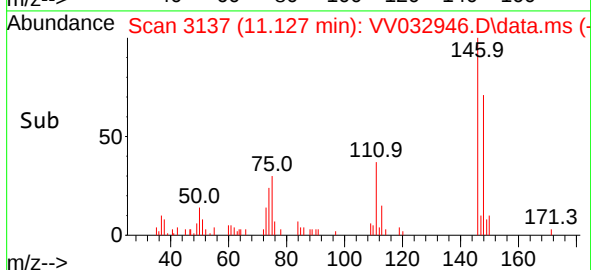
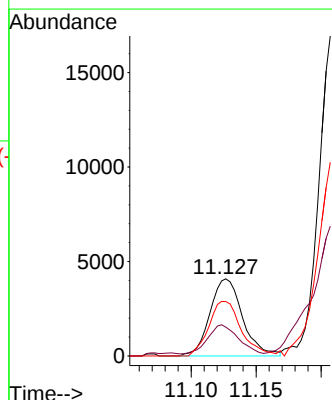
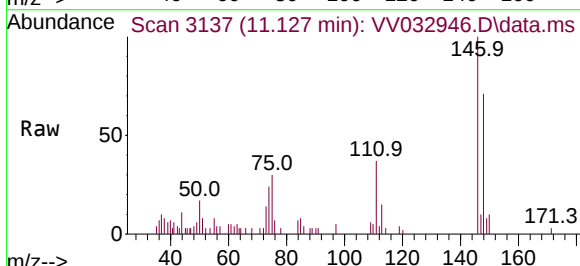
Tgt Ion:146 Resp: 7123

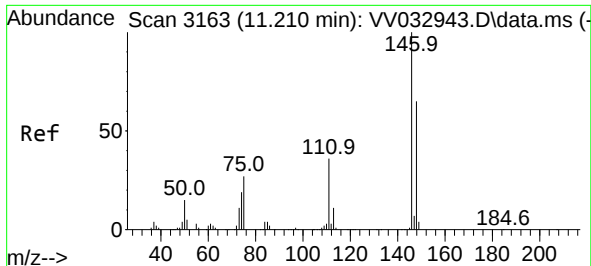
Ion Ratio Lower Upper

146 100

111 37.3 26.9 49.9

148 70.6 43.6 81.0

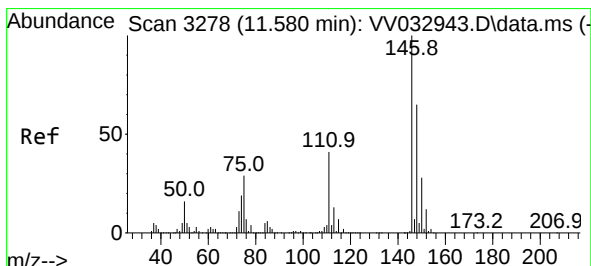
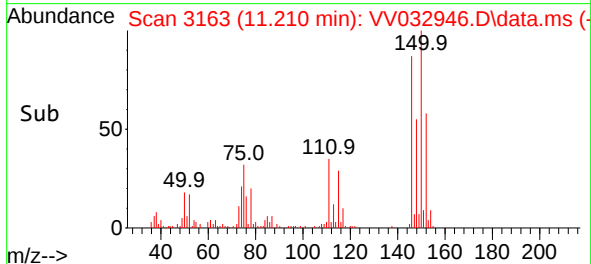
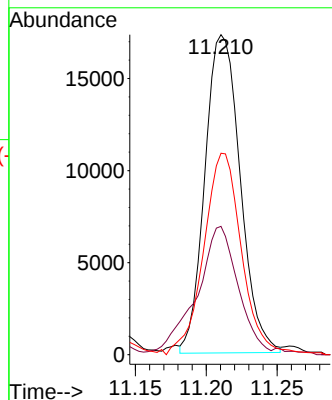
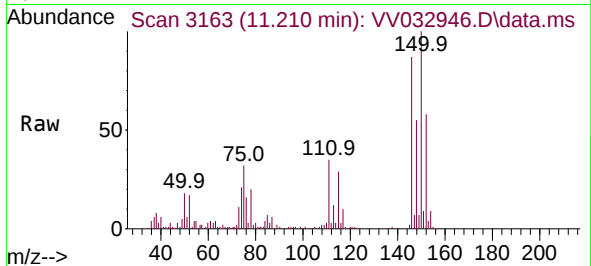




#65
1,4-Dichlorobenzene
Concen: 4.560 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. -0.000 min
Lab File: VV032946.D
Acq: 13 Nov 2023 21:16

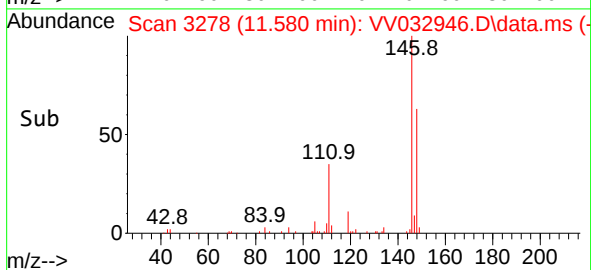
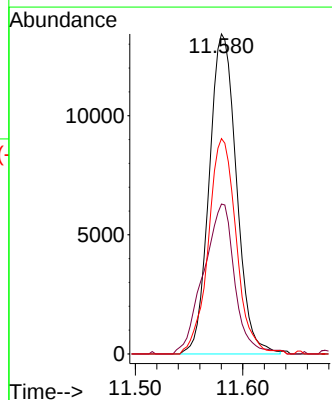
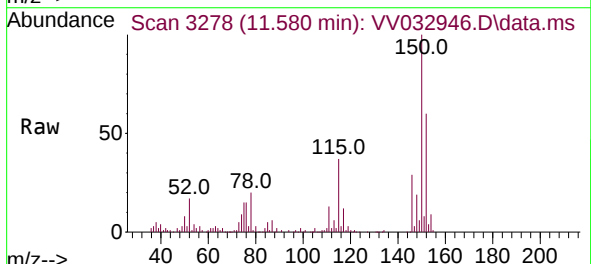
Instrument :
MSVOA_V
ClientSampleId :

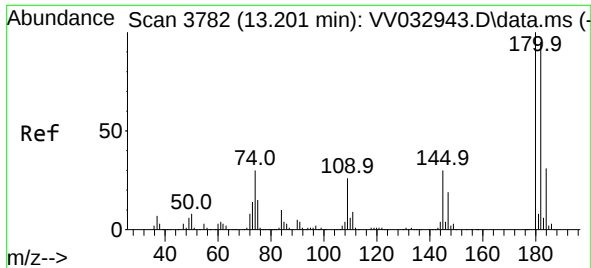
Tgt Ion:146 Resp: 29972
Ion Ratio Lower Upper
146 100
111 40.1 25.5 47.3
148 62.9 44.4 82.5



#67
1,2-Dichlorobenzene
Concen: 3.832 ug/L
RT: 11.580 min Scan# 3278
Delta R.T. -0.000 min
Lab File: VV032946.D
Acq: 13 Nov 2023 21:16

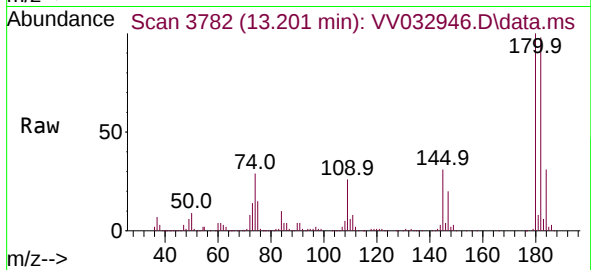
Tgt Ion:146 Resp: 23614
Ion Ratio Lower Upper
146 100
111 46.9 31.1 46.7#
148 67.3 51.4 77.0



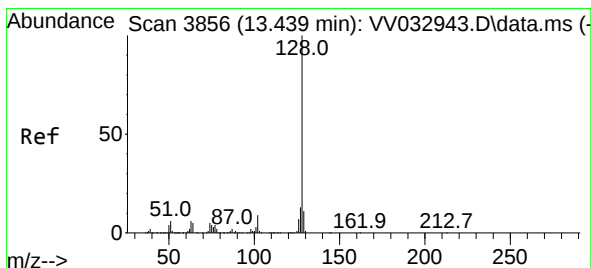
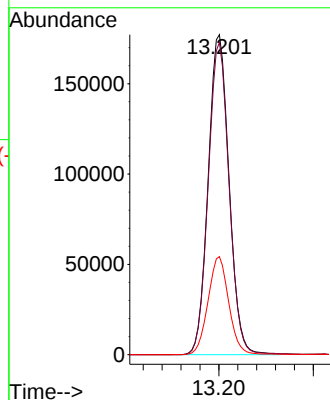
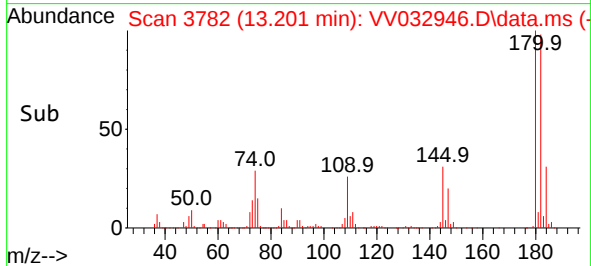


#70
1,2,4-trichlorobenzene
Concen: 65.961 ug/L
RT: 13.201 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV032946.D
Acq: 13 Nov 2023 21:16

Instrument :
MSVOA_V
ClientSampleId :

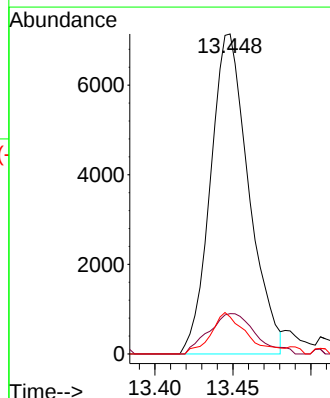
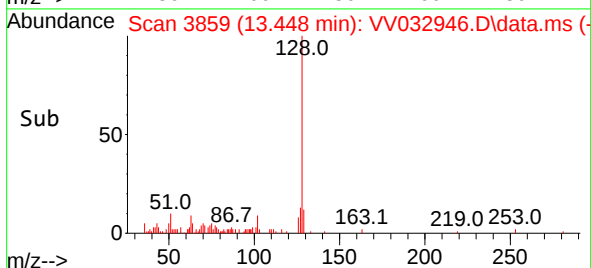
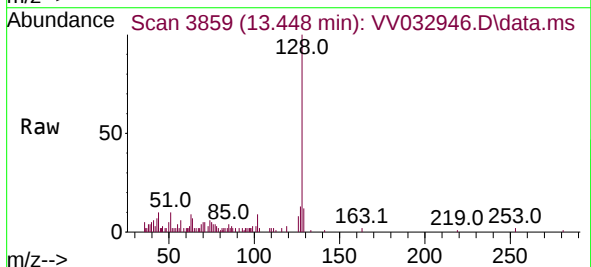


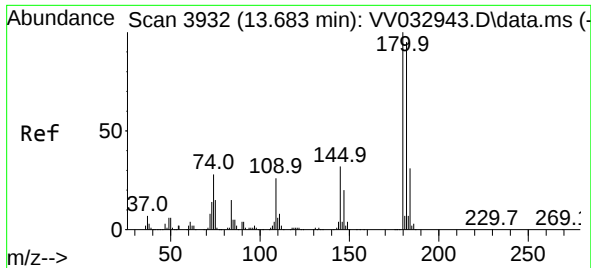
Tgt Ion:180 Resp: 272415
Ion Ratio Lower Upper
180 100
182 96.8 77.0 115.4
145 30.3 24.3 36.5



#71
Naphthalene
Concen: 1.121 ug/L
RT: 13.448 min Scan# 3859
Delta R.T. 0.010 min
Lab File: VV032946.D
Acq: 13 Nov 2023 21:16

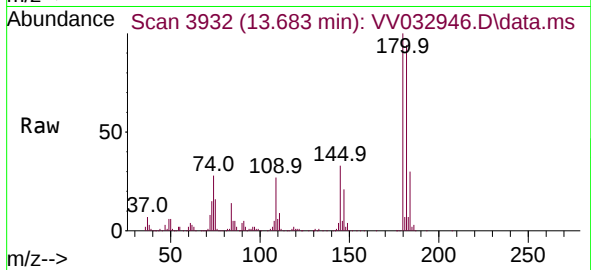
Tgt Ion:128 Resp: 12162
Ion Ratio Lower Upper
128 100
127 15.0 10.4 15.6
129 12.2 8.6 13.0





#72
 1,2,3-Trichlorobenzene
 Concen: 28.632 ug/L
 RT: 13.683 min Scan# 3932
 Delta R.T. -0.000 min
 Lab File: VV032946.D
 Acq: 13 Nov 2023 21:16

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:	180	Resp:	119008
Ion Ratio	Lower	Upper	
180	100		
182	94.3	76.9	115.3
145	33.9	26.1	39.1

