

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW012424\
 Data File : VW033851.D
 Acq On : 24 Jan 2024 14:57
 Operator : SY/MD
 Sample : P1191-08
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 25 00:58:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM011024WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 25 00:55:39 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	218618	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	198588	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	111578	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	105066	62.533	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	125.060%
7) Chloroethane-d5	1.532	69	71421	53.677	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.360%
11) 1,1-Dichloroethene-d2	2.060	65	41412	57.270	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	114.540%
21) 2-Butanone-d5	3.815	46	79038	68.583	ug/L	0.03
Spiked Amount	100.000	Range	40 - 130	Recovery	=	68.580%
24) Chloroform-d	4.246	84	135911	45.238	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.480%
26) 1,2-Dichloroethane-d4	4.941	65	93799	48.320	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.640%
32) Benzene-d6	4.960	84	270811	47.967	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.940%
36) 1,2-Dichloropropane-d6	5.989	67	79618	42.843	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.680%
41) Toluene-d8	7.243	98	251803	49.501	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.000%
43) trans-1,3-Dichloroprop...	7.551	79	43628	47.501	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.000%
47) 2-Hexanone-d5	8.024	63	53037	68.803	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	68.800%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	98776	41.634	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.260%
66) 1,2-Dichlorobenzene-d4	11.561	152	101940	48.154	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.300%
Target Compounds						Qvalue
5) Vinyl chloride	1.285	62	1420934	718.193	ug/L	96
8) Chloroethane	1.285	64	583630	494.706	ug/L #	44
12) 1,1-Dichloroethene	2.073	96	26355	20.087	ug/L #	45
13) Acetone	2.111	43	8302	7.534	ug/L	96
14) Carbon disulfide	2.243	76	48939	10.974	ug/L	99
17) trans-1,2-Dichloroethene	2.693	96	792434	540.687	ug/L	95
18) Methyl tert-butyl Ether	2.700	73	15928	3.022	ug/L	99
20) cis-1,2-Dichloroethene	3.818	96	20184169	12374.117	ug/L	79
25) Chloroform	4.275	83	17339	6.103	ug/L	92
34) Trichloroethene	5.847	95	12719089	8129.077	ug/L	92
44) trans-1,3-Dichloropropene	7.555	75	2187	0.885	ug/L #	74
45) 1,1,2-Trichloroethane	7.776	97	4514	3.100	ug/L	95
46) Tetrachloroethene	7.928	164	10801132	9411.707	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.178	83	33909	14.630	ug/L	99
62) 1,3,5-Trimethylbenzene	10.481	105	4907	0.758	ug/L	92
63) 1,2,4-Trimethylbenzene	10.854	105	17331	2.685	ug/L	97
71) Naphthalene	13.445	128	7407	1.239	ug/L	99

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Quant Time: Jan 25 00:58:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM011024WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Jan 25 00:55:39 2024
Response via : Initial Calibration

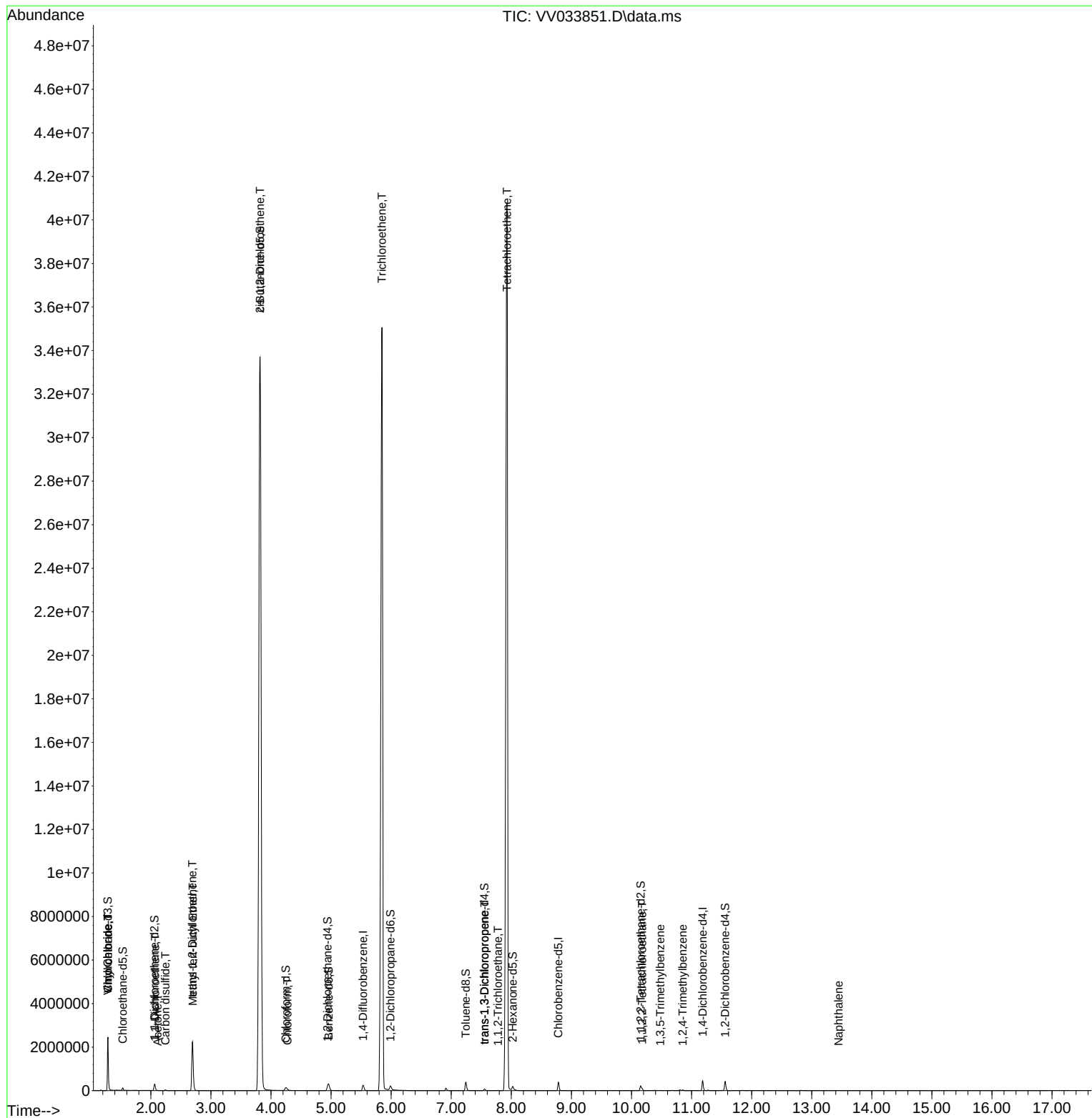
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

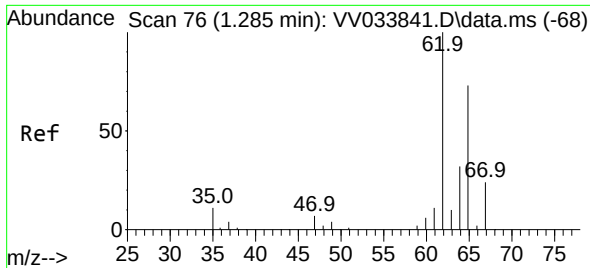
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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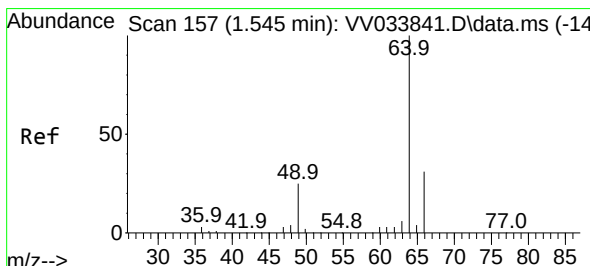
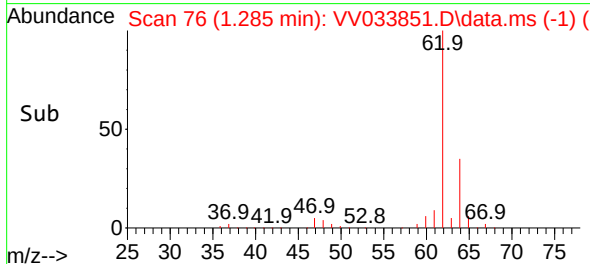
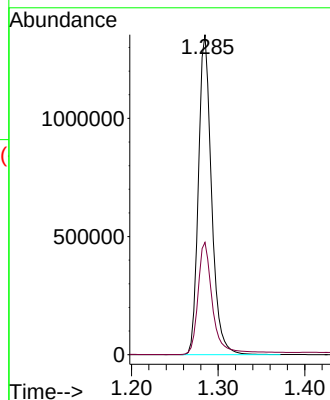
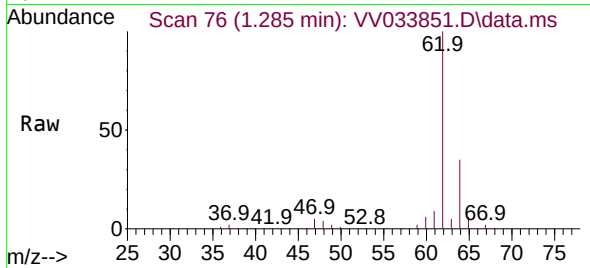
#5
 Vinyl chloride
 Concen: 718.193 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV033851.D
 Acq: 24 Jan 2024 14:57

Instrument :

MSVOA_V

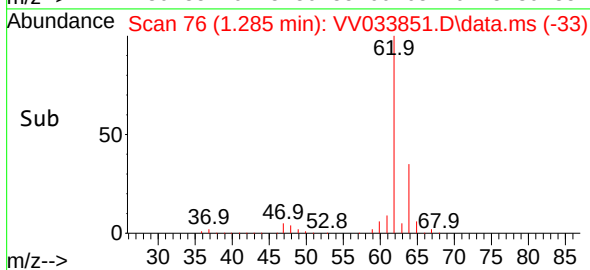
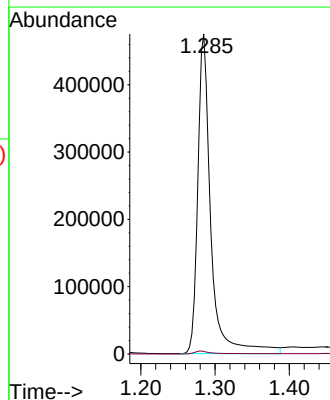
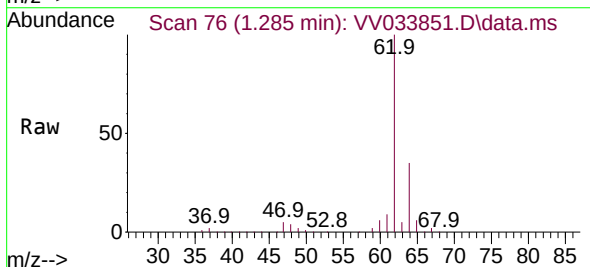
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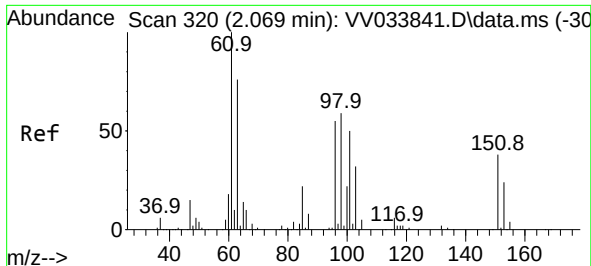
Tgt Ion: 62 Resp: 1420934
 Ion Ratio Lower Upper
 62 100
 64 35.1 23.2 43.0



#8
 Chloroethane
 Concen: 494.706 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.260 min
 Lab File: VV033851.D
 Acq: 24 Jan 2024 14:57

Tgt Ion: 64 Resp: 583630
 Ion Ratio Lower Upper
 64 100
 66 0.8 22.5 41.9#





#12

1,1-Dichloroethene

Concen: 20.087 ug/L

RT: 2.073 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV033851.D

Acq: 24 Jan 2024 14:57

Instrument :

MSVOA_V

ClientSampleId :

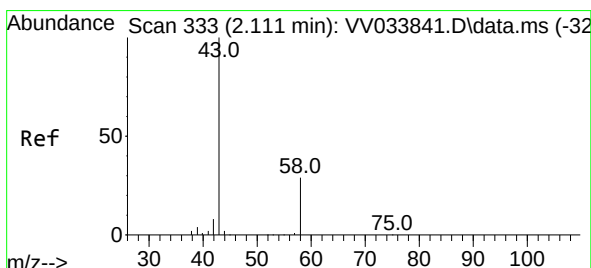
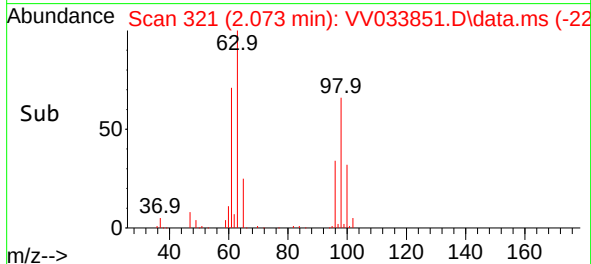
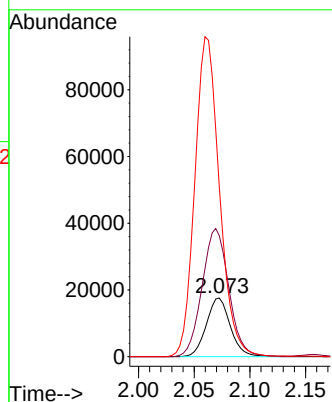
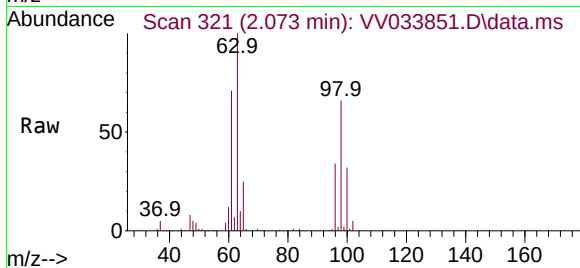
Tgt Ion: 96 Resp: 26355

Ion Ratio Lower Upper

96 100

61 206.5 134.0 248.8

63 290.9 103.4 192.0#



#13

Acetone

Concen: 7.534 ug/L

RT: 2.111 min Scan# 333

Delta R.T. -0.000 min

Lab File: VV033851.D

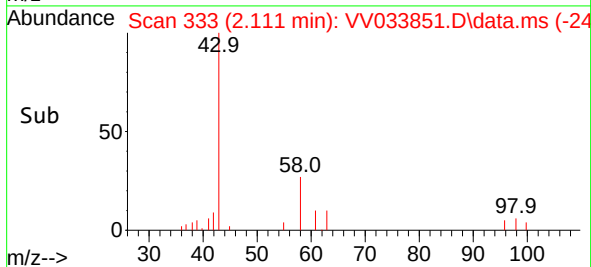
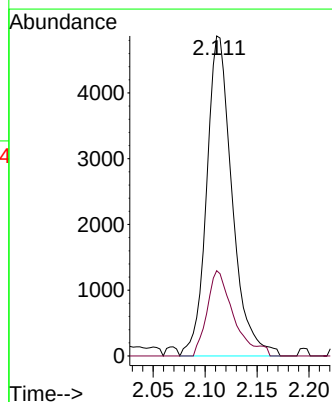
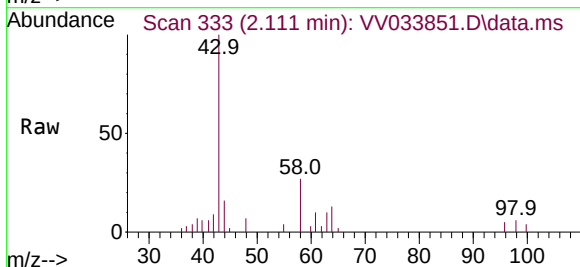
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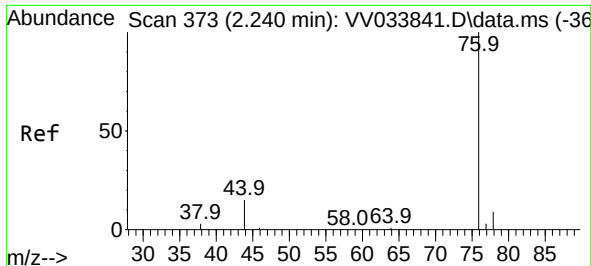
Tgt Ion: 43 Resp: 8302

Ion Ratio Lower Upper

43 100

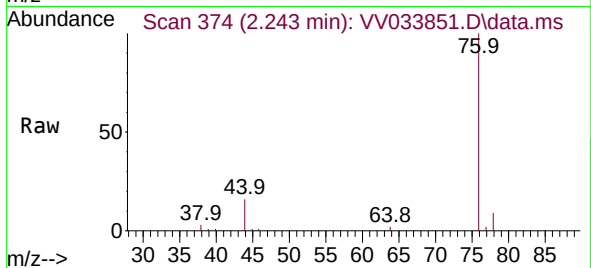
58 26.6 0.0 57.2



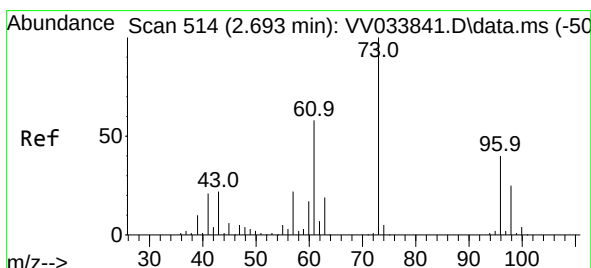
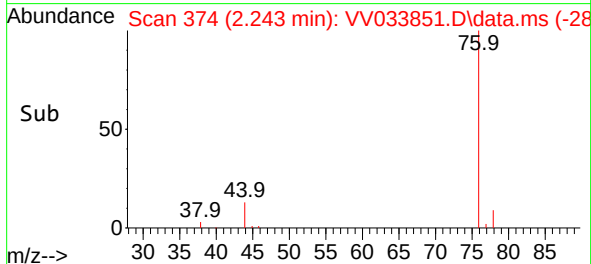
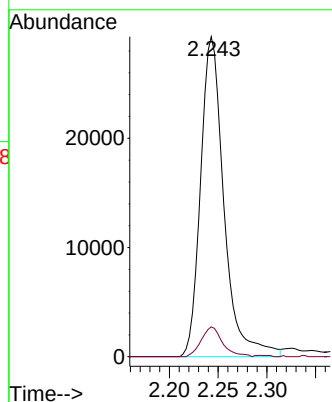


#14
Carbon disulfide
Concen: 10.974 ug/L
RT: 2.243 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV033851.D
Acq: 24 Jan 2024 14:57

Instrument :
MSVOA_V
ClientSampleId :

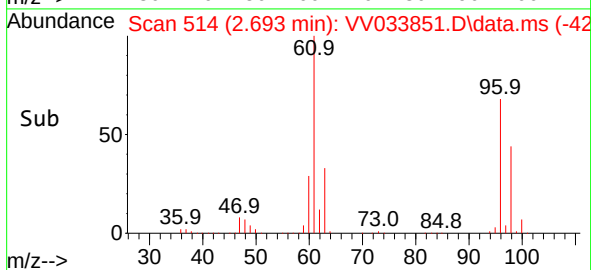
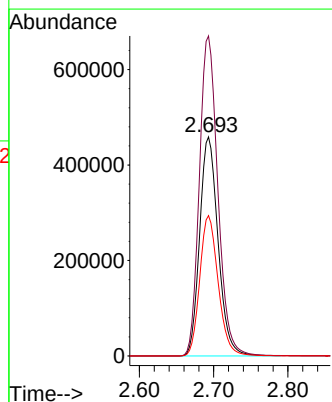
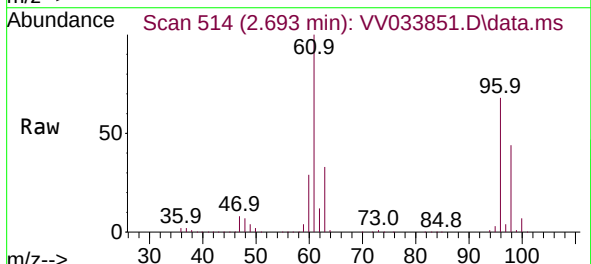


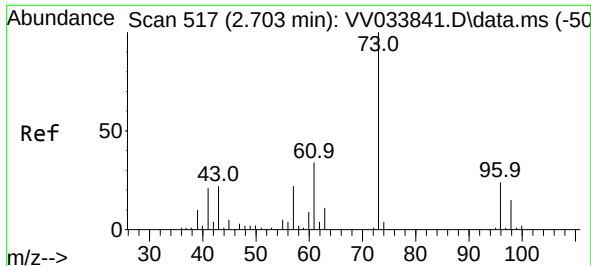
Tgt Ion: 76 Resp: 48939
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7



#17
trans-1,2-Dichloroethene
Concen: 540.687 ug/L
RT: 2.693 min Scan# 514
Delta R.T. -0.000 min
Lab File: VV033851.D
Acq: 24 Jan 2024 14:57

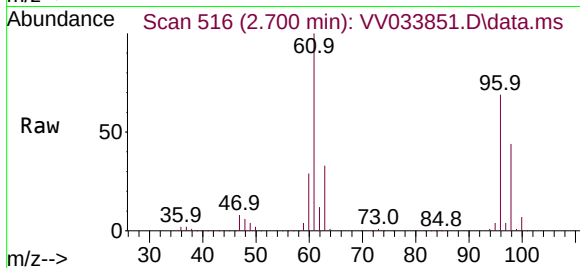
Tgt Ion: 96 Resp: 792434
Ion Ratio Lower Upper
96 100
61 146.1 108.4 201.4
98 64.1 43.8 81.4



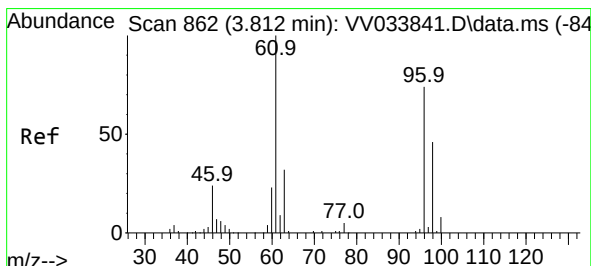
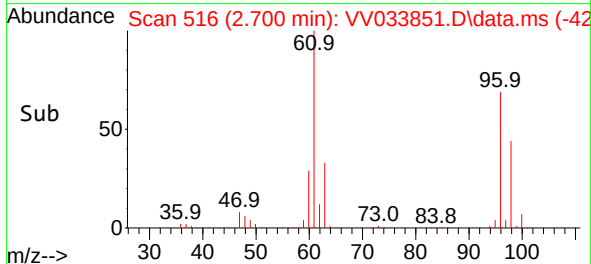
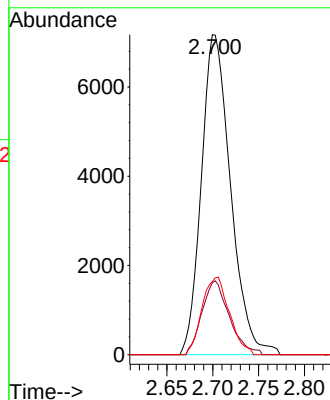


#18
Methyl tert-butyl Ether
Concen: 3.022 ug/L
RT: 2.700 min Scan# 517
Delta R.T. -0.003 min
Lab File: VV033851.D
Acq: 24 Jan 2024 14:57

Instrument :
MSVOA_V
ClientSampleId :

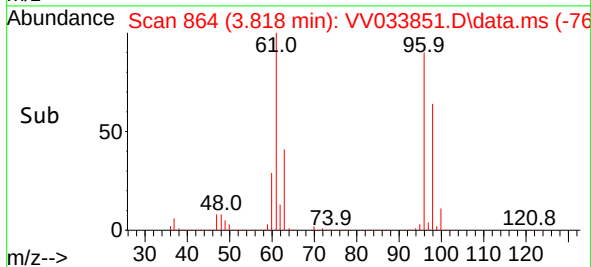
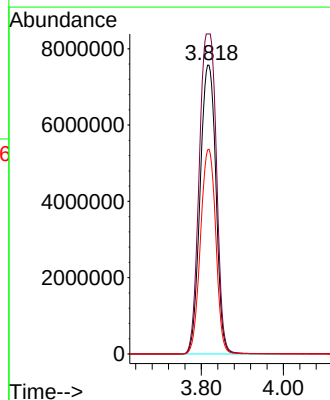
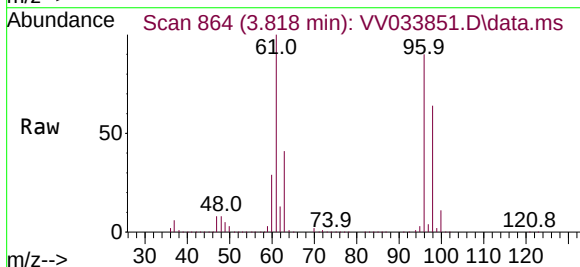


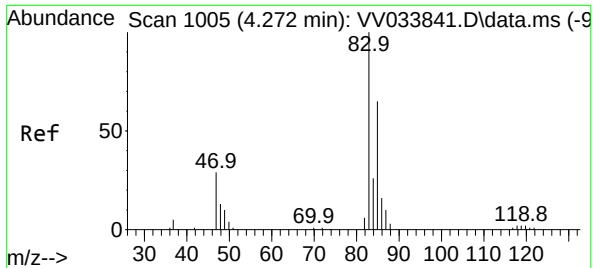
Tgt Ion: 73 Resp: 15928
Ion Ratio Lower Upper
73 100
43 21.5 17.4 26.2
57 22.6 18.6 27.8



#20
cis-1,2-Dichloroethene
Concen: 12374.117 ug/L
RT: 3.818 min Scan# 864
Delta R.T. 0.006 min
Lab File: VV033851.D
Acq: 24 Jan 2024 14:57

Tgt Ion: 96 Resp:20184169
Ion Ratio Lower Upper
96 100
61 110.8 100.6 186.8
98 70.9 44.6 82.8

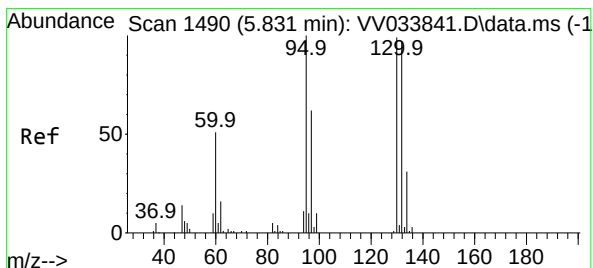
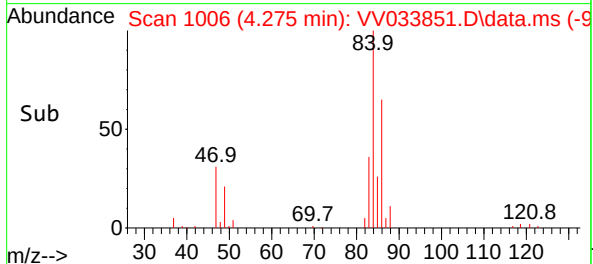
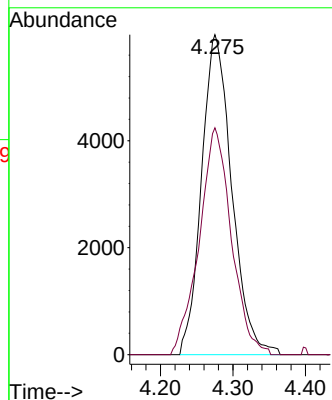
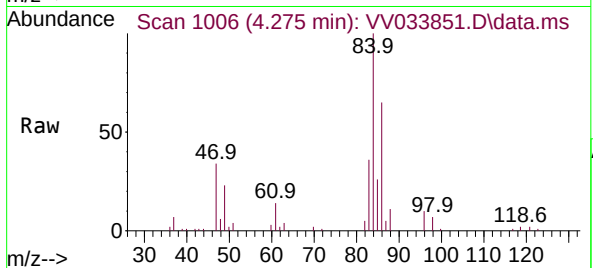




#25
Chloroform
Concen: 6.103 ug/L
RT: 4.275 min Scan# 1005
Delta R.T. 0.003 min
Lab File: VV033851.D
Acq: 24 Jan 2024 14:57

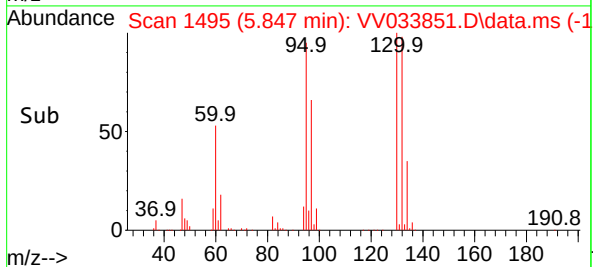
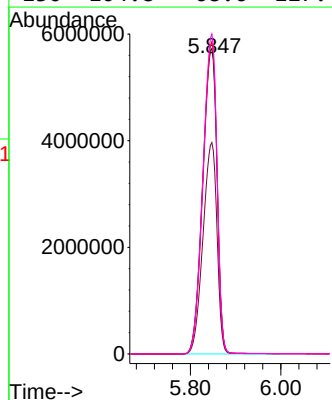
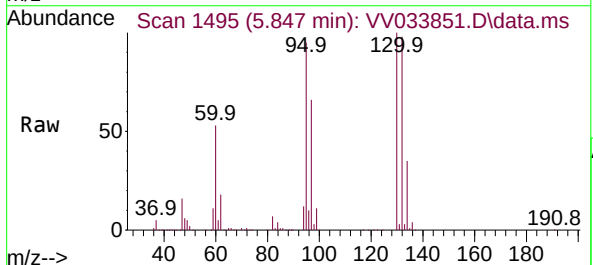
Instrument :
MSVOA_V
ClientSampleId :

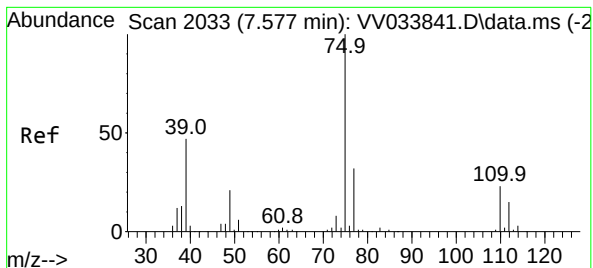
Tgt Ion: 83 Resp: 17339
Ion Ratio Lower Upper
83 100
85 70.9 45.1 83.9



#34
Trichloroethene
Concen: 8129.077 ug/L
RT: 5.847 min Scan# 1495
Delta R.T. 0.016 min
Lab File: VV033851.D
Acq: 24 Jan 2024 14:57

Tgt Ion: 95 Resp:12719089
Ion Ratio Lower Upper
95 100
97 69.2 44.4 82.4
132 102.3 65.5 121.7
130 104.8 68.6 127.4





#44

trans-1,3-Dichloropropene

Concen: 0.885 ug/L

RT: 7.555 min Scan# 2033

Delta R.T. -0.023 min

Lab File: VV033851.D

Acq: 24 Jan 2024 14:57

Instrument :

MSVOA_V

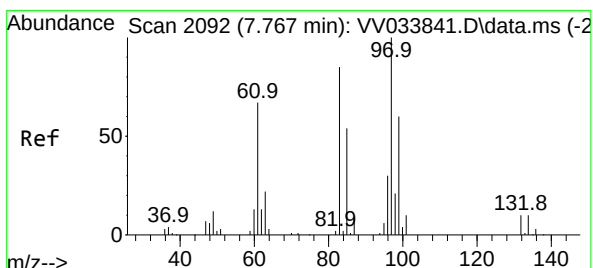
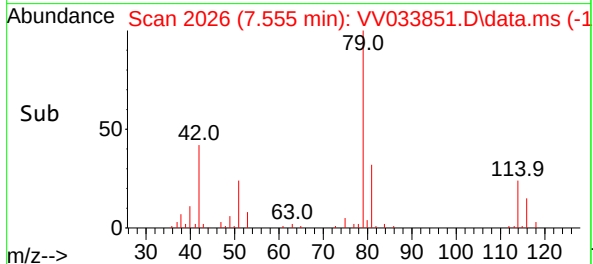
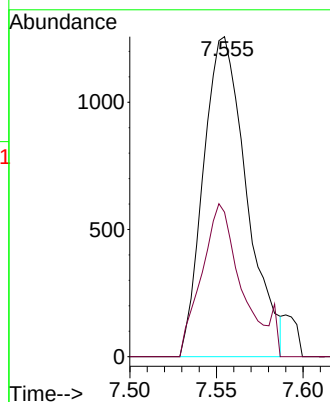
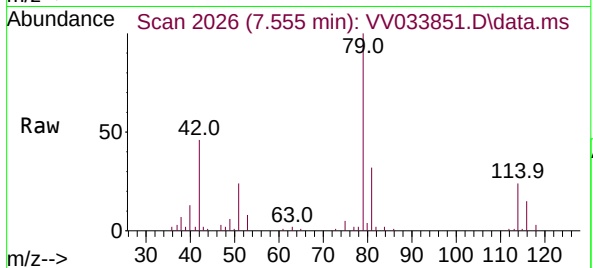
ClientSampleId :

Tgt Ion: 75 Resp: 2187

Ion Ratio Lower Upper

75 100

77 45.2 21.6 40.0#



#45

1,1,2-Trichloroethane

Concen: 3.100 ug/L

RT: 7.776 min Scan# 2095

Delta R.T. 0.010 min

Lab File: VV033851.D

Acq: 24 Jan 2024 14:57

Tgt Ion: 97 Resp: 4514

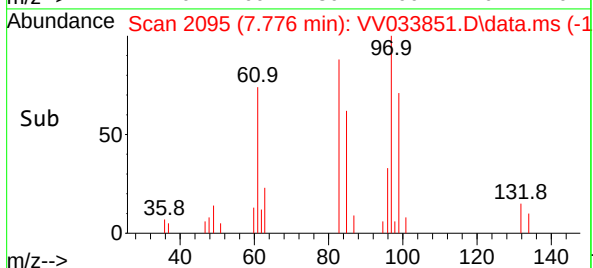
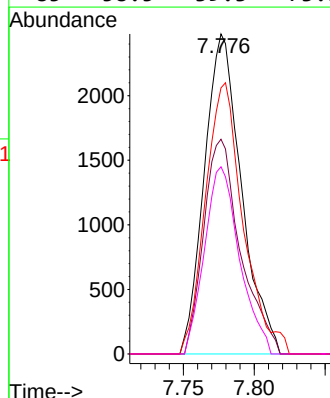
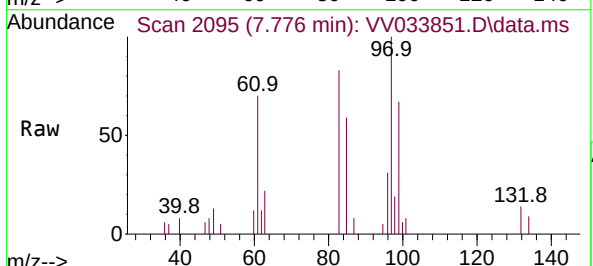
Ion Ratio Lower Upper

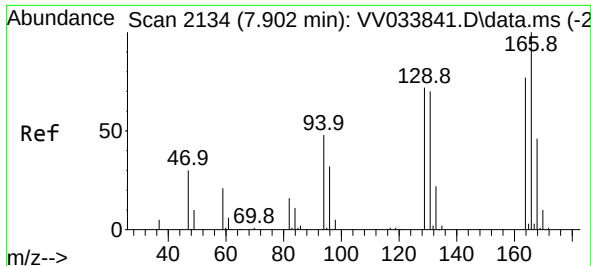
97 100

99 67.1 42.8 79.6

83 83.2 61.2 113.8

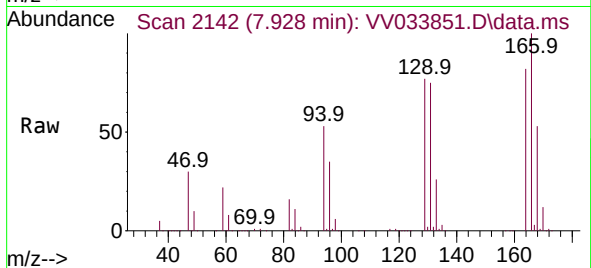
85 58.5 39.3 73.1





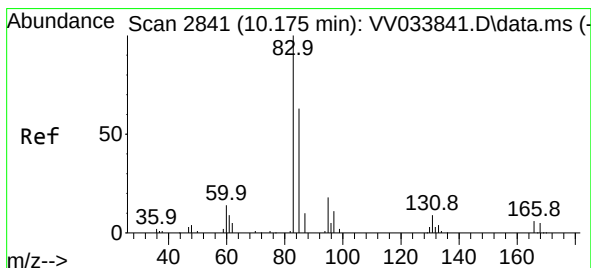
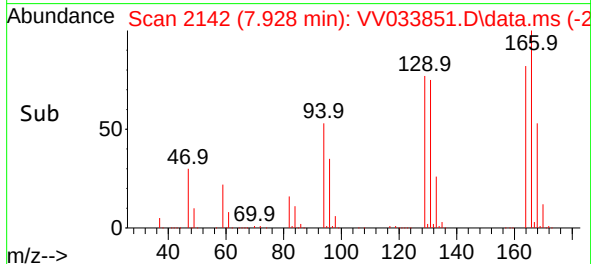
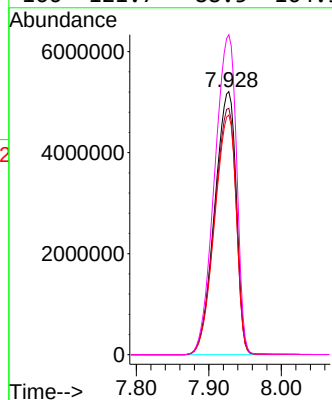
#46
Tetrachloroethene
Concen: 9411.707 ug/L
RT: 7.928 min Scan# 2134
Delta R.T. 0.026 min
Lab File: VV033851.D
Acq: 24 Jan 2024 14:57

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:164 Resp:10801132

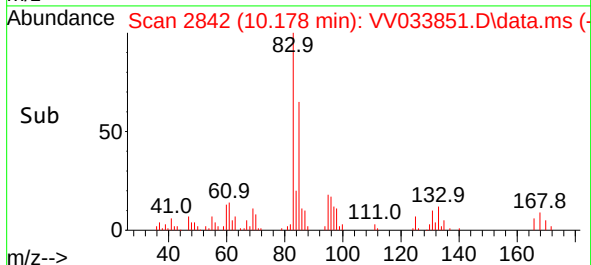
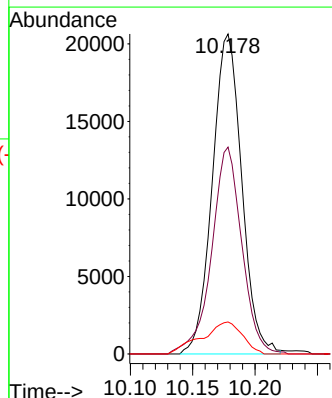
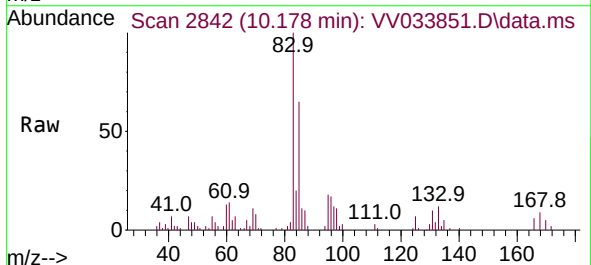
Ion	Ratio	Lower	Upper
164	100		
129	93.7	66.1	122.7
131	91.1	65.9	122.5
166	121.7	88.5	164.3

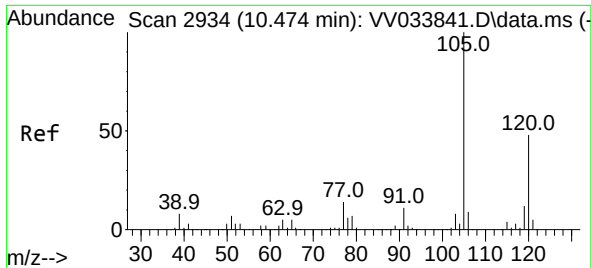


#57
1,1,2,2-Tetrachloroethane
Concen: 14.630 ug/L
RT: 10.178 min Scan# 2842
Delta R.T. 0.003 min
Lab File: VV033851.D
Acq: 24 Jan 2024 14:57

Tgt Ion: 83 Resp: 33909

Ion	Ratio	Lower	Upper
83	100		
85	64.7	44.9	83.5
131	10.0	7.5	11.3

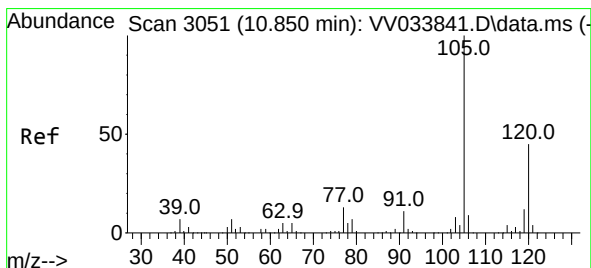
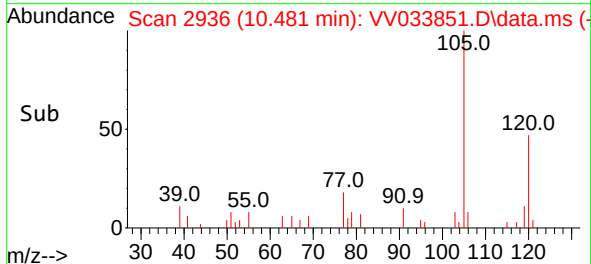
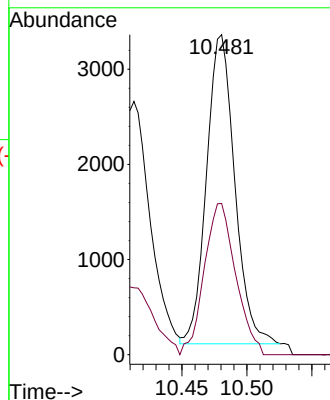
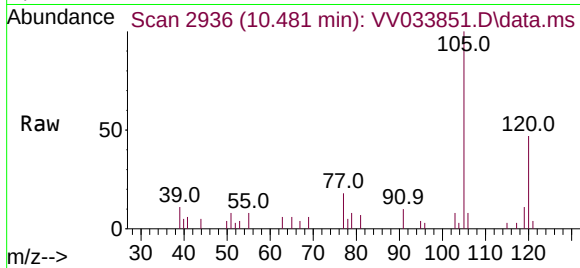




#62
1,3,5-Trimethylbenzene
Concen: 0.758 ug/L
RT: 10.481 min Scan# 2936
Delta R.T. 0.006 min
Lab File: VV033851.D
Acq: 24 Jan 2024 14:57

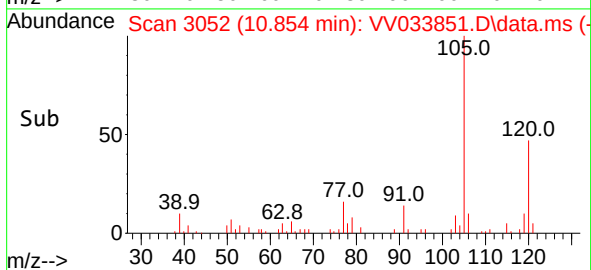
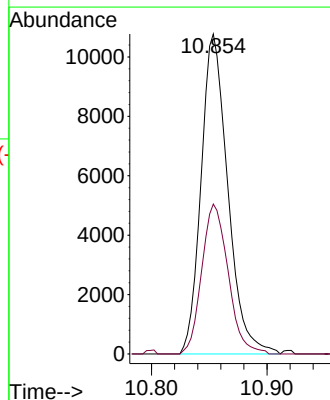
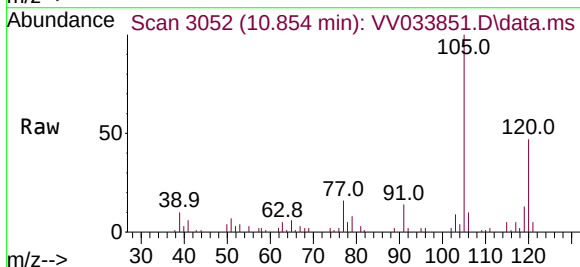
Instrument :
MSVOA_V
ClientSampleId :

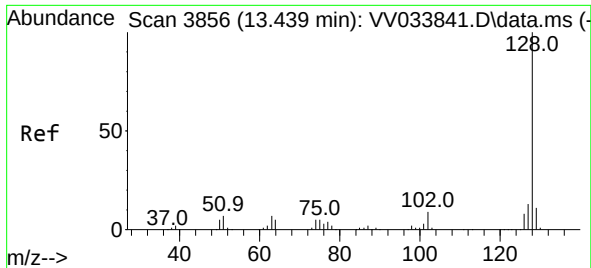
Tgt Ion:105 Resp: 4907
Ion Ratio Lower Upper
105 100
120 54.4 39.1 58.7



#63
1,2,4-Trimethylbenzene
Concen: 2.685 ug/L
RT: 10.854 min Scan# 3052
Delta R.T. 0.003 min
Lab File: VV033851.D
Acq: 24 Jan 2024 14:57

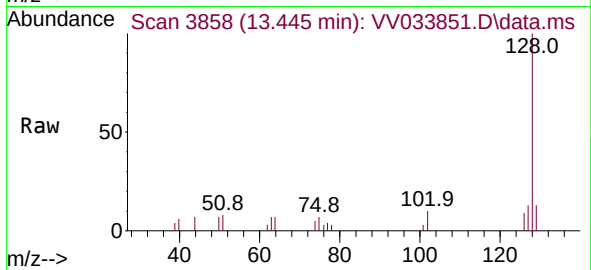
Tgt Ion:105 Resp: 17331
Ion Ratio Lower Upper
105 100
120 46.3 35.4 53.0





#71
Naphthalene
Concen: 1.239 ug/L
RT: 13.445 min Scan# 3858
Delta R.T. 0.006 min
Lab File: VV033851.D
Acq: 24 Jan 2024 14:57

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 7407
Ion Ratio Lower Upper
128 100
127 12.3 10.3 15.5
129 10.4 8.6 13.0

