

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW012224\
 Data File : VW033798.D
 Acq On : 22 Jan 2024 13:25
 Operator : SY/MD
 Sample : P1190-15
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 22 23:43:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM011024WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jan 22 23:41:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	212417	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	199760	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	106907	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	79855	48.915	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	97.840%		
7) Chloroethane-d5	1.532	69	63425	49.059	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	98.120%		
11) 1,1-Dichloroethene-d2	2.063	65	36193	51.514	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	103.020%		
21) 2-Butanone-d5	3.809	46	87753	78.368	ug/L	0.02
Spiked Amount 100.000	Range 40 - 130		Recovery =	78.370%		
24) Chloroform-d	4.249	84	126607	43.371	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	86.740%		
26) 1,2-Dichloroethane-d4	4.941	65	87768	46.533	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.060%		
32) Benzene-d6	4.960	84	252414	44.447	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.900%		
36) 1,2-Dichloropropane-d6	5.989	67	81011	43.337	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	86.680%		
41) Toluene-d8	7.243	98	240777	47.056	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.120%		
43) trans-1,3-Dichloroprop...	7.551	79	37793	40.907	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	81.820%		
47) 2-Hexanone-d5	8.021	63	60430	77.933	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	77.930%		
56) 1,1,2,2-Tetrachloroeth...	10.153	84	102675	43.024	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	86.040%		
66) 1,2-Dichlorobenzene-d4	11.561	152	96983	47.814	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.620%		
Target Compounds						Qvalue
5) Vinyl chloride	1.285	62	394875	205.411	ug/L #	72
8) Chloroethane	1.285	64	368848	321.776	ug/L #	47
12) 1,1-Dichloroethene	2.073	96	9937	7.795	ug/L #	1
14) Carbon disulfide	2.243	76	31937	7.371	ug/L	99
16) Methylene chloride	2.449	84	4535	2.916	ug/L	91
17) trans-1,2-Dichloroethene	2.696	96	219839	154.378	ug/L	95
20) cis-1,2-Dichloroethene	3.818	96	17999102	11356.665	ug/L	83
25) Chloroform	4.278	83	9100	3.297	ug/L	89
27) 1,2-Dichloroethane	5.060	62	3022	1.311	ug/L #	78
34) Trichloroethene	5.831	95	1276586	811.110	ug/L	97
39) cis-1,3-Dichloropropene	6.912	75	2832	1.050	ug/L #	75
44) trans-1,3-Dichloropropene	7.555	75	1838	0.740	ug/L #	81
45) 1,1,2-Trichloroethane	7.773	97	9958	6.798	ug/L	98
46) Tetrachloroethene	7.905	164	1649448	1428.836	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	41814	17.935	ug/L	99
62) 1,3,5-Trimethylbenzene	10.481	105	4194	0.676	ug/L	99
63) 1,2,4-Trimethylbenzene	10.854	105	9186	1.486	ug/L	100

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ClientSampleId :

Quant Time: Jan 22 23:43:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM011024WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Jan 22 23:41:48 2024
Response via : Initial Calibration

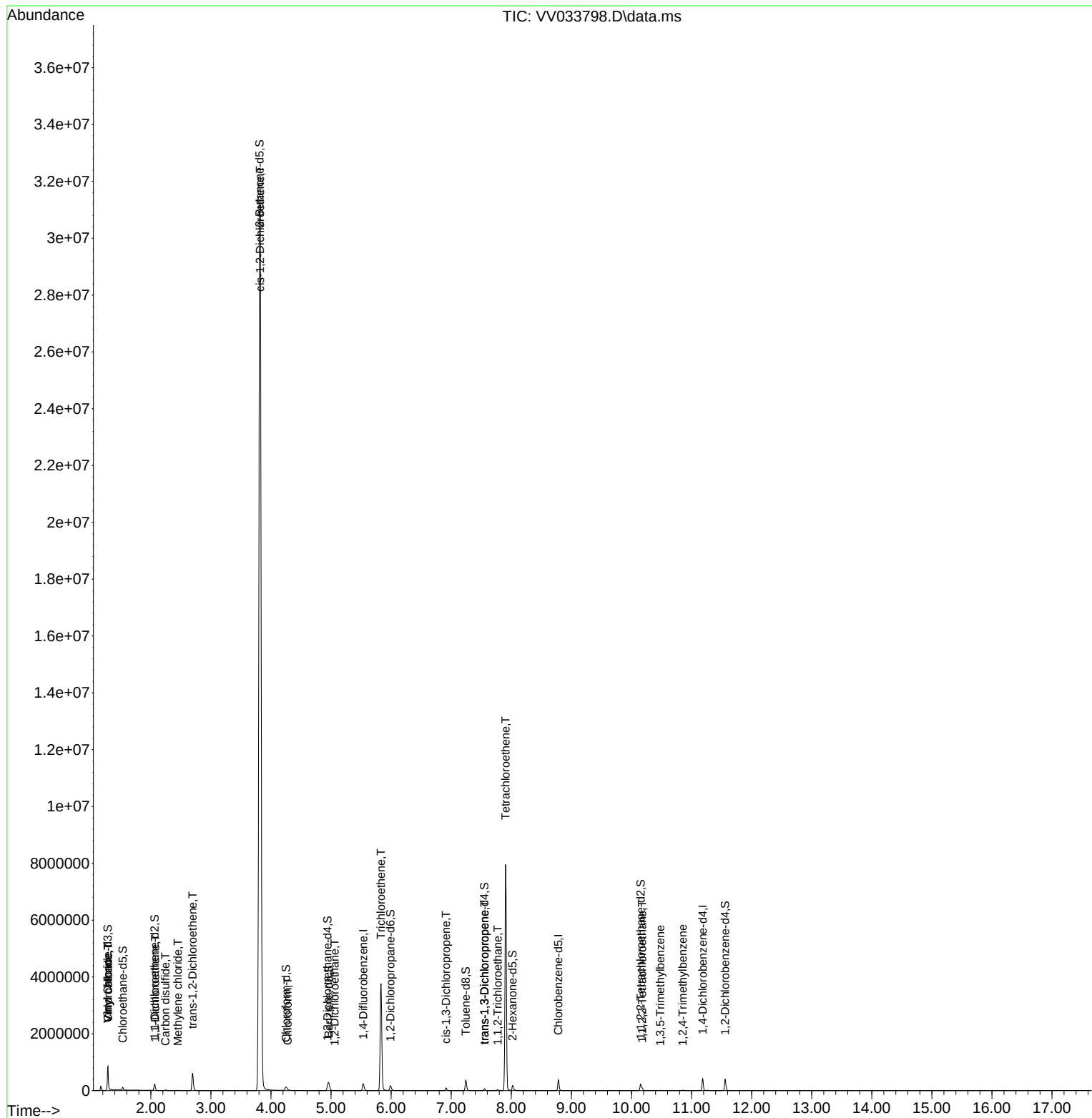
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

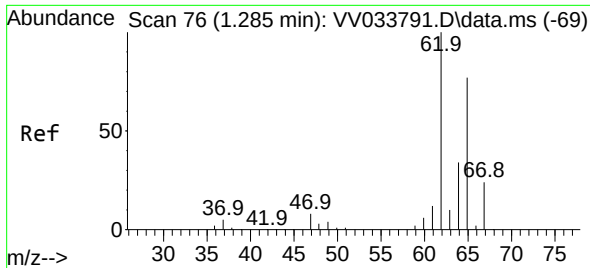
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Quant Title : VOC Analysis
QLast Update : Mon Jan 22 23:41:48 2024
Response via : Initial Calibration

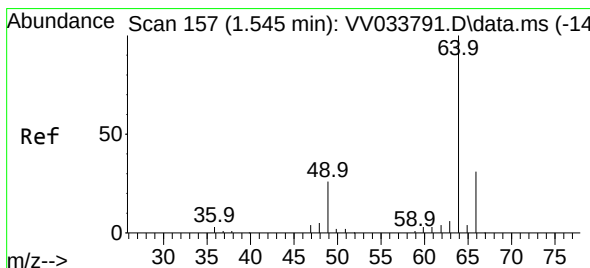
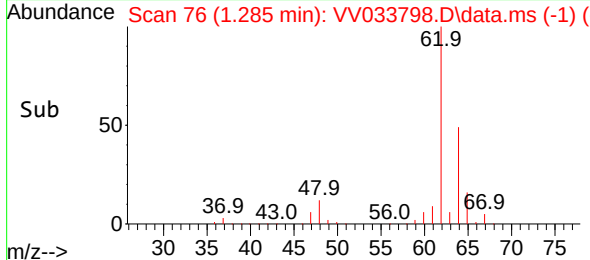
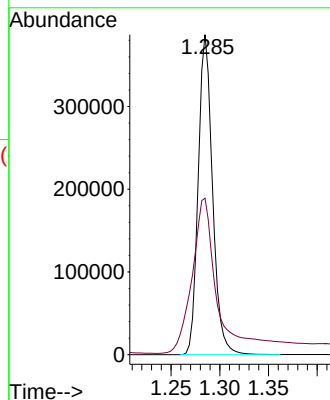
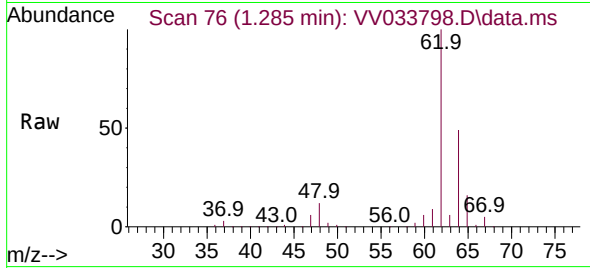




#5
 Vinyl chloride
 Concen: 205.411 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV033798.D
 Acq: 22 Jan 2024 13:25

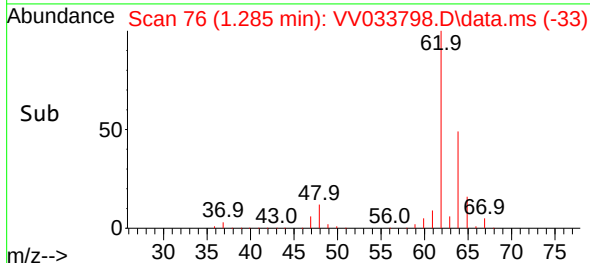
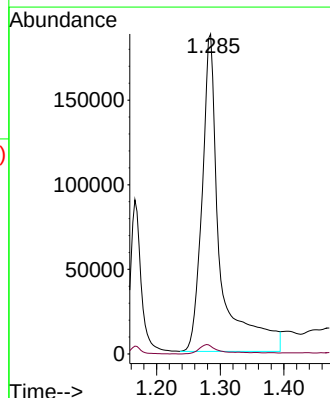
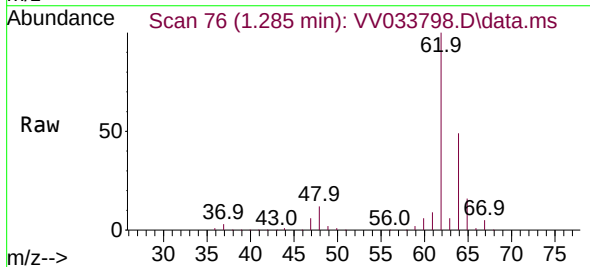
Instrument : MSVOA_V
 ClientSampleId :

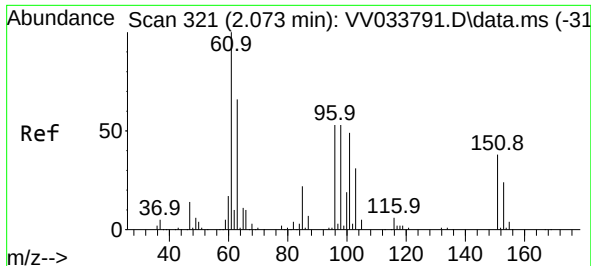
Tgt Ion: 62 Resp: 394875
 Ion Ratio Lower Upper
 62 100
 64 48.9 23.2 43.0#



#8
 Chloroethane
 Concen: 321.776 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.260 min
 Lab File: VV033798.D
 Acq: 22 Jan 2024 13:25

Tgt Ion: 64 Resp: 368848
 Ion Ratio Lower Upper
 64 100
 66 2.4 22.5 41.9#





#12

1,1-Dichloroethene

Concen: 7.795 ug/L

RT: 2.073 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV033798.D

Acq: 22 Jan 2024 13:25

Instrument :

MSVOA_V

ClientSampleId :

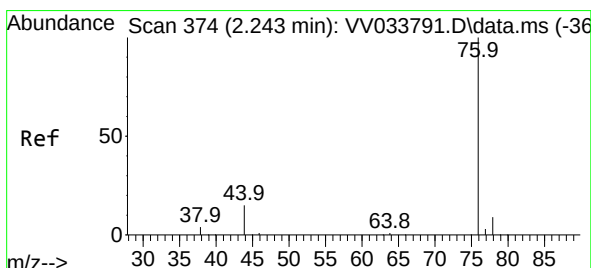
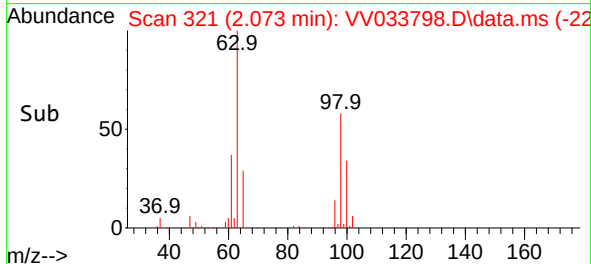
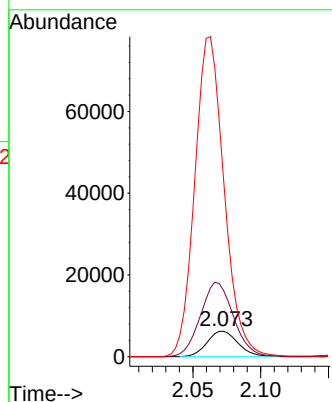
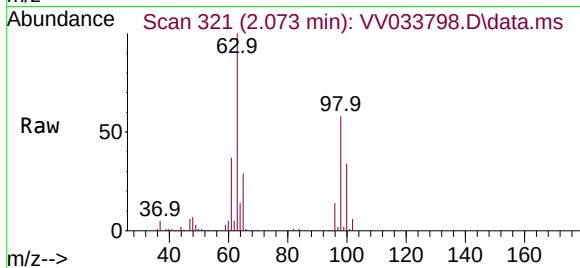
Tgt Ion: 96 Resp: 9937

Ion Ratio Lower Upper

96 100

61 260.6 134.0 248.8#

63 698.0 103.4 192.0#



#14

Carbon disulfide

Concen: 7.371 ug/L

RT: 2.243 min Scan# 374

Delta R.T. -0.000 min

Lab File: VV033798.D

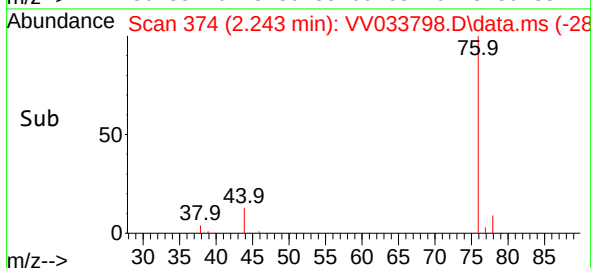
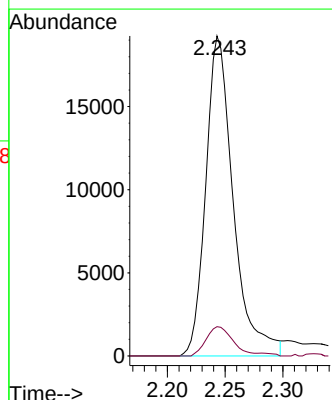
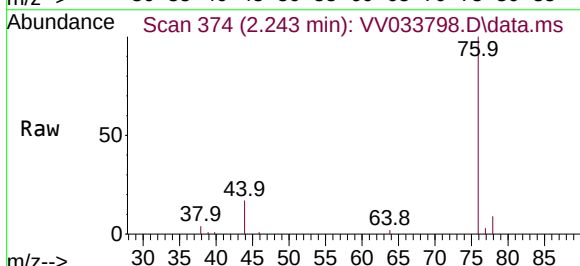
Acq: 22 Jan 2024 13:25

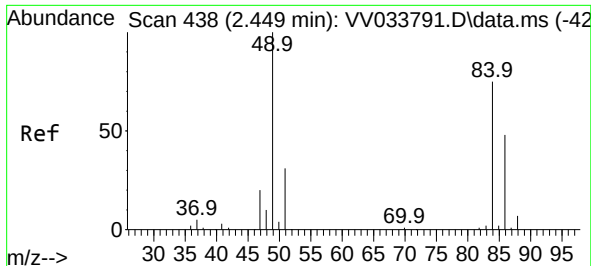
Tgt Ion: 76 Resp: 31937

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7

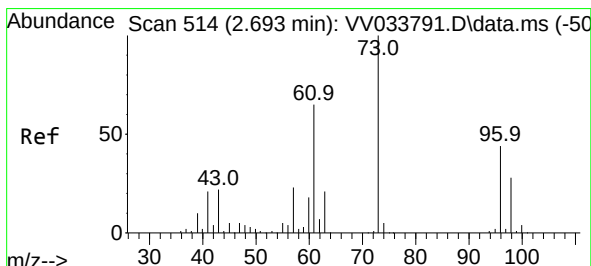
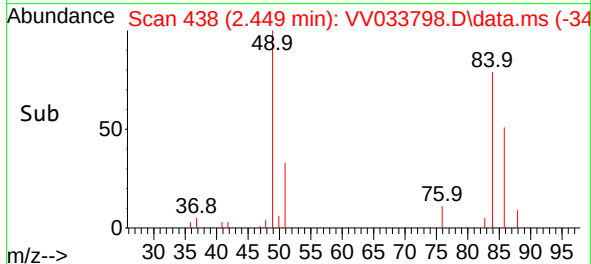
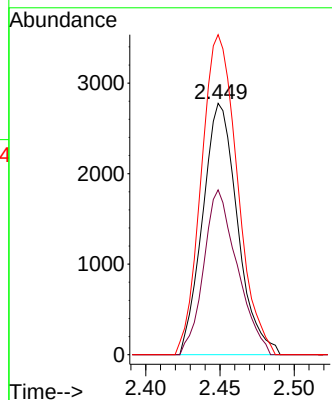
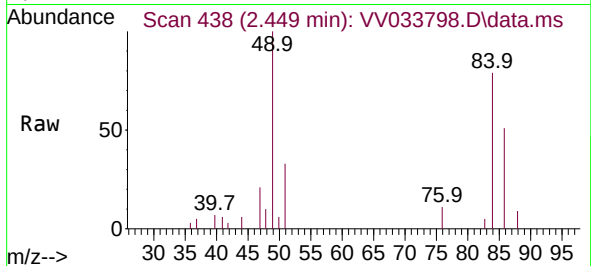




#16
Methylene chloride
Concen: 2.916 ug/L
RT: 2.449 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV033798.D
Acq: 22 Jan 2024 13:25

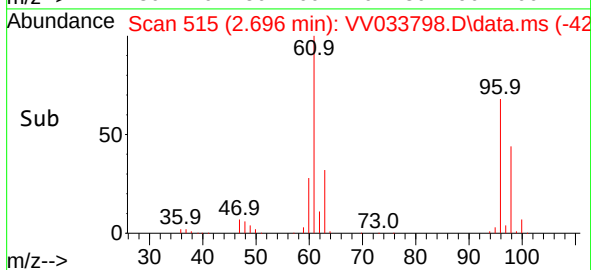
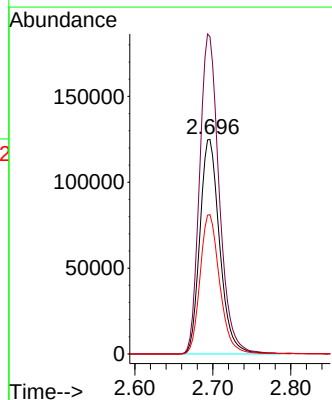
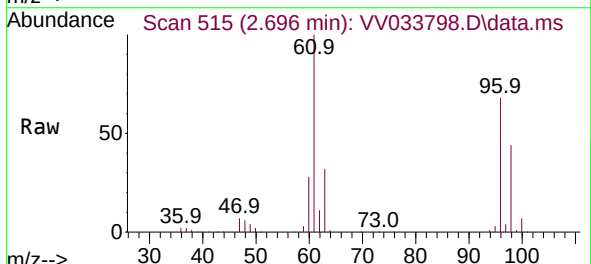
Instrument :
MSVOA_V
ClientSampleId :

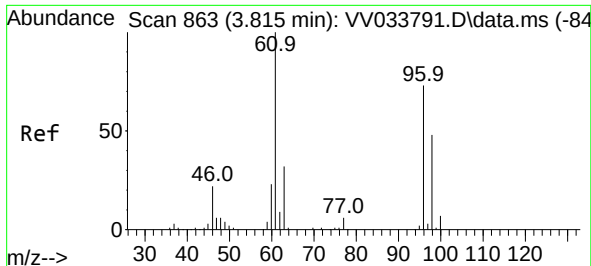
Tgt Ion: 84 Resp: 4535
Ion Ratio Lower Upper
84 100
86 65.6 43.9 81.5
49 127.3 98.3 182.5



#17
trans-1,2-Dichloroethene
Concen: 154.378 ug/L
RT: 2.696 min Scan# 515
Delta R.T. 0.003 min
Lab File: VV033798.D
Acq: 22 Jan 2024 13:25

Tgt Ion: 96 Resp: 219839
Ion Ratio Lower Upper
96 100
61 147.9 108.4 201.4
98 64.9 43.8 81.4



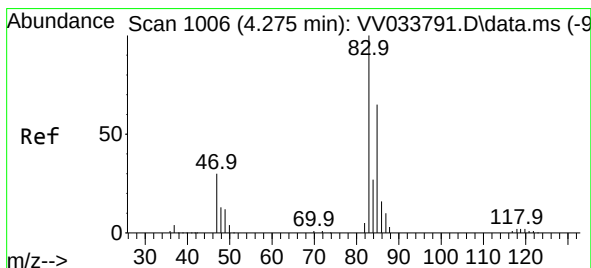
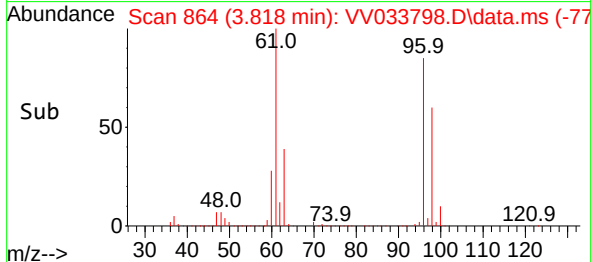
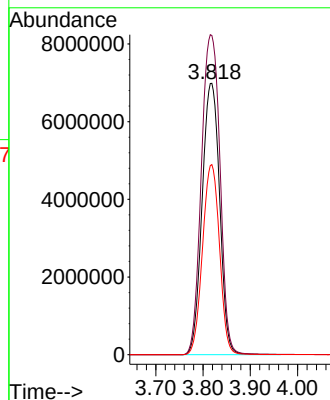
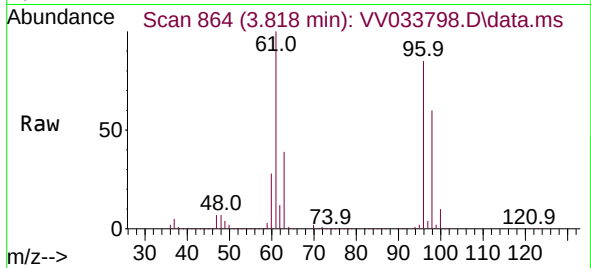


#20
cis-1,2-Dichloroethene
Concen: 11356.665 ug/L
RT: 3.818 min Scan# 80
Delta R.T. 0.003 min
Lab File: VV033798.D
Acq: 22 Jan 2024 13:25

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 96 Resp:17999102

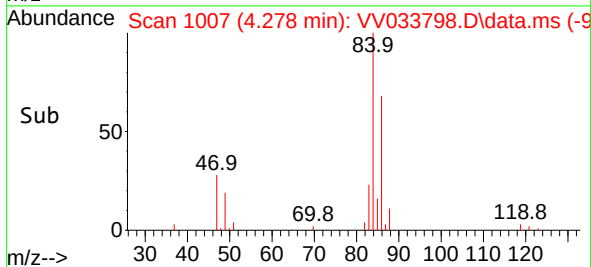
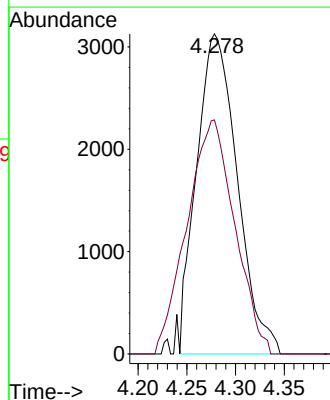
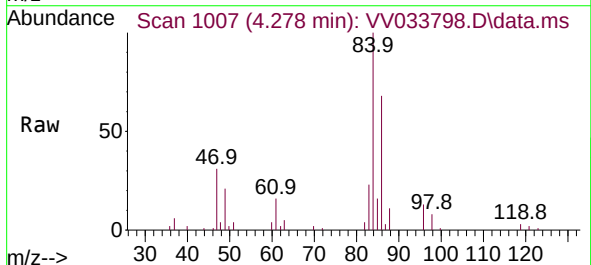
Ion	Ratio	Lower	Upper
96	100		
61	117.6	100.6	186.8
98	70.0	44.6	82.8

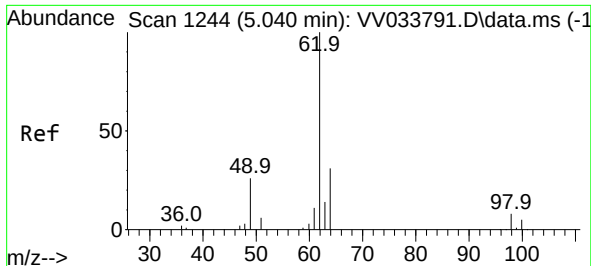


#25
Chloroform
Concen: 3.297 ug/L
RT: 4.278 min Scan# 1007
Delta R.T. 0.003 min
Lab File: VV033798.D
Acq: 22 Jan 2024 13:25

Tgt Ion: 83 Resp: 9100

Ion	Ratio	Lower	Upper
83	100		
85	73.2	45.1	83.9





#27

1,2-Dichloroethane

Concen: 1.311 ug/L

RT: 5.060 min Scan# 1

Delta R.T. 0.019 min

Lab File: VV033798.D

Acq: 22 Jan 2024 13:25

Instrument :

MSVOA_V

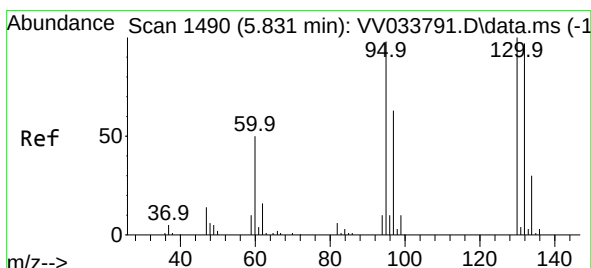
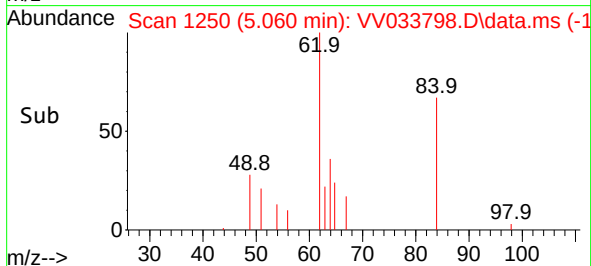
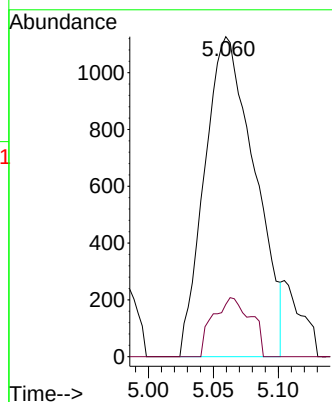
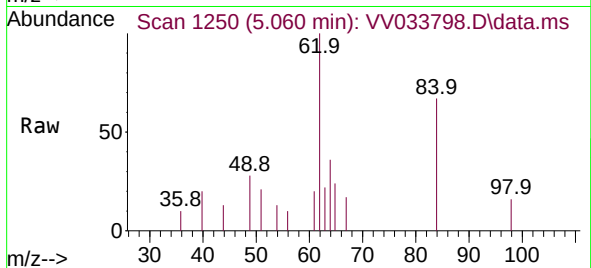
ClientSampleId :

Tgt Ion: 62 Resp: 3022

Ion Ratio Lower Upper

62 100

98 16.3 6.8 10.2#



#34

Trichloroethene

Concen: 811.110 ug/L

RT: 5.831 min Scan# 1490

Delta R.T. -0.000 min

Lab File: VV033798.D

Acq: 22 Jan 2024 13:25

Tgt Ion: 95 Resp: 1276586

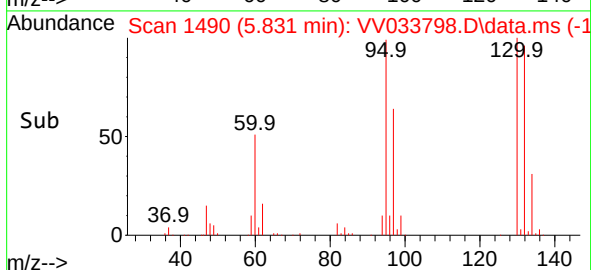
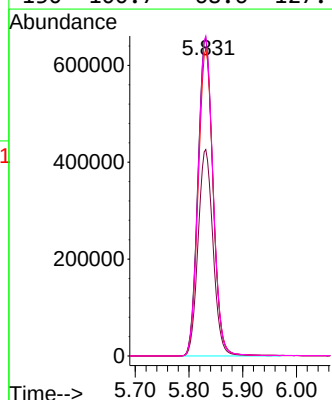
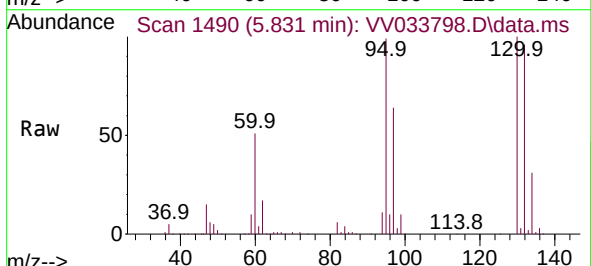
Ion Ratio Lower Upper

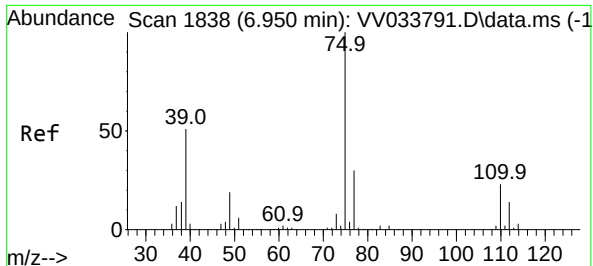
95 100

97 64.9 44.4 82.4

132 96.8 65.5 121.7

130 100.7 68.6 127.4





#39

cis-1,3-Dichloropropene

Concen: 1.050 ug/L

RT: 6.912 min Scan# 11

Delta R.T. -0.039 min

Lab File: VV033798.D

Acq: 22 Jan 2024 13:25

Instrument :

MSVOA_V

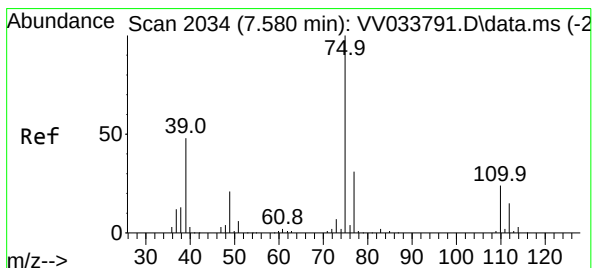
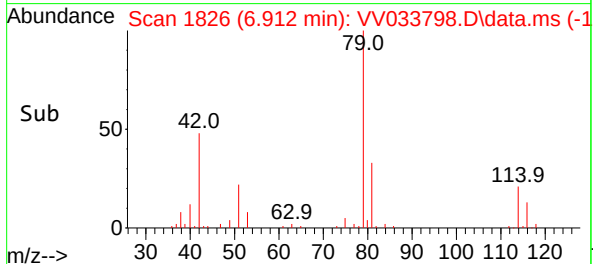
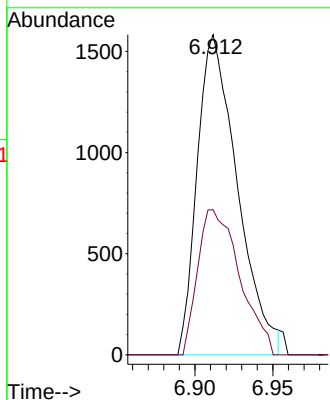
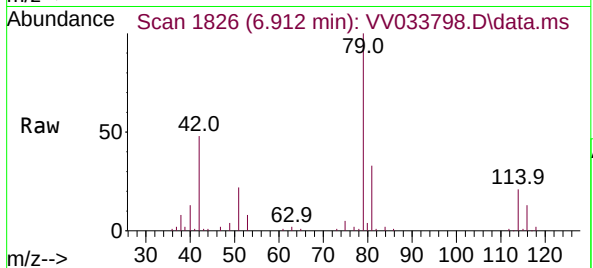
ClientSampleId :

Tgt Ion: 75 Resp: 2832

Ion Ratio Lower Upper

75 100

77 45.3 22.0 41.0#



#44

trans-1,3-Dichloropropene

Concen: 0.740 ug/L

RT: 7.555 min Scan# 2026

Delta R.T. -0.026 min

Lab File: VV033798.D

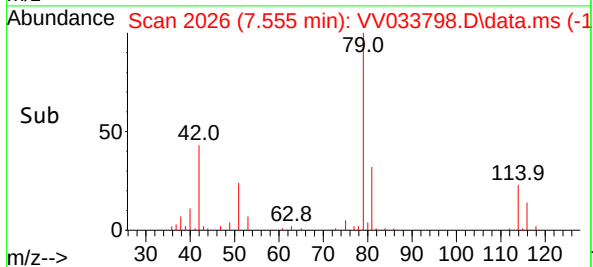
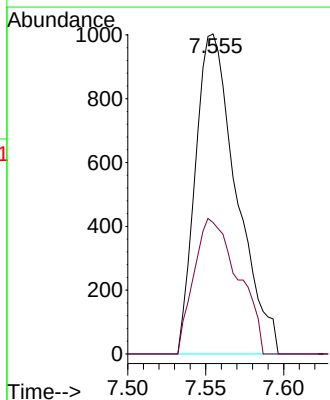
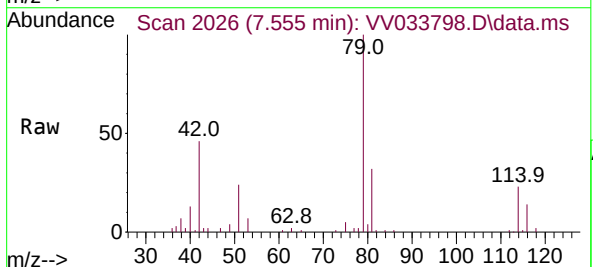
Acq: 22 Jan 2024 13:25

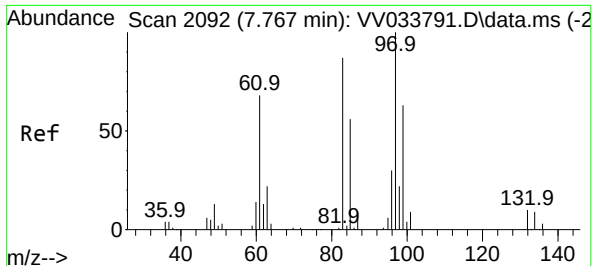
Tgt Ion: 75 Resp: 1838

Ion Ratio Lower Upper

75 100

77 41.1 21.6 40.0#

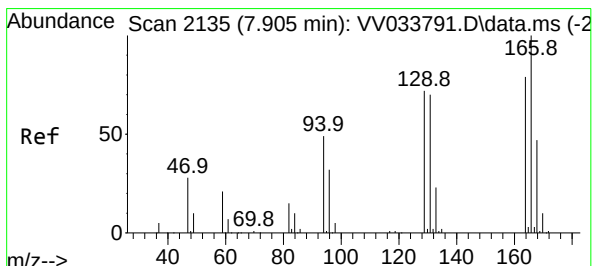
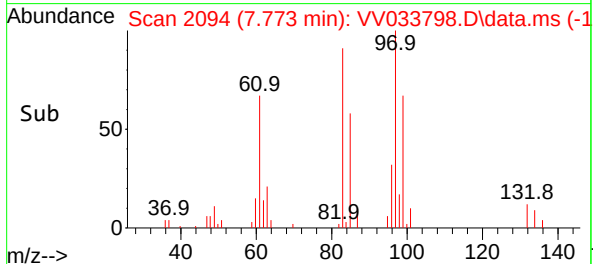
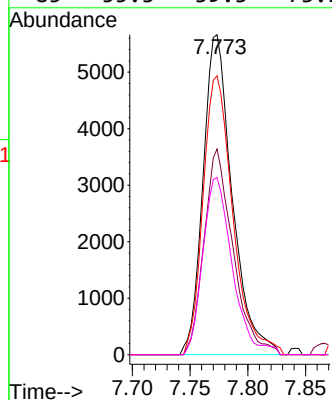
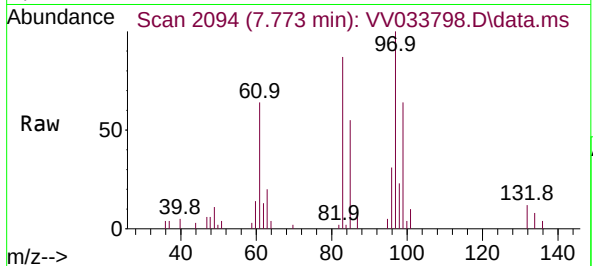




#45
1,1,2-Trichloroethane
Concen: 6.798 ug/L
RT: 7.773 min Scan# 2094
Delta R.T. 0.006 min
Lab File: VV033798.D
Acq: 22 Jan 2024 13:25

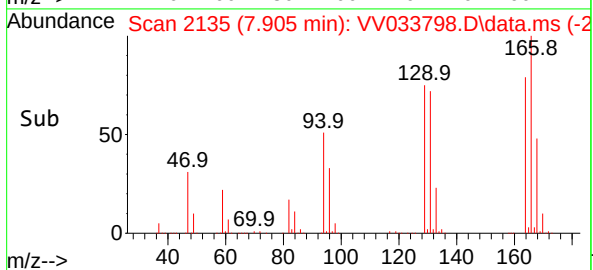
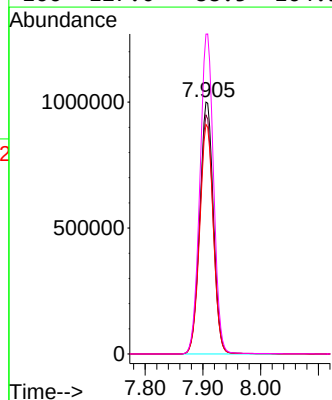
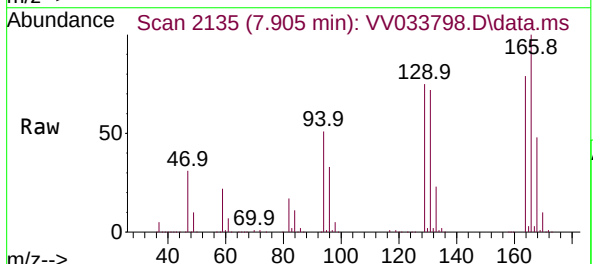
Instrument :
MSVOA_V
ClientSampleId :

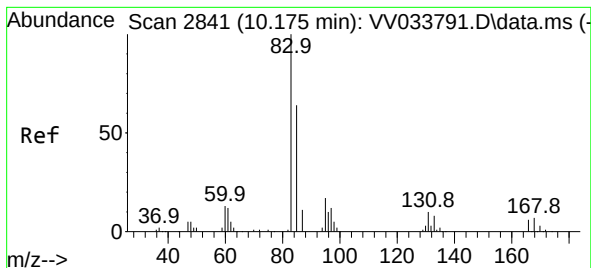
Tgt Ion: 97	Resp: 9958
Ion Ratio	Lower Upper
97 100	
99 64.2	42.8 79.6
83 87.1	61.2 113.8
85 55.3	39.3 73.1



#46
Tetrachloroethene
Concen: 1428.836 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. -0.000 min
Lab File: VV033798.D
Acq: 22 Jan 2024 13:25

Tgt	Ion:164	Resp:	1649448
Ion	Ratio	Lower	Upper
164	100		
129	94.9	66.1	122.7
131	91.1	65.9	122.5
166	127.0	88.5	164.3





#57

1,1,2-Tetrachloroethane

Concen: 17.935 ug/L

RT: 10.178 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV033798.D

Acq: 22 Jan 2024 13:25

Instrument :

MSVOA_V

ClientSampleId :

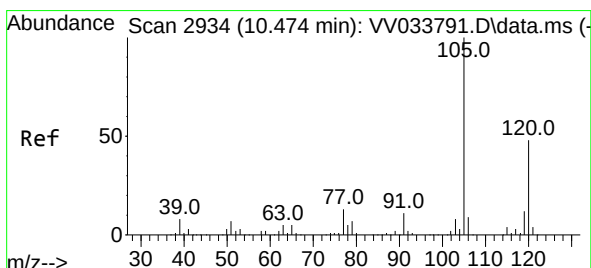
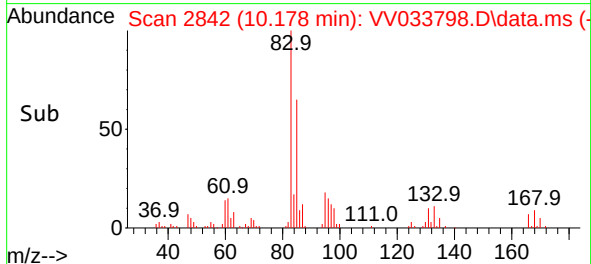
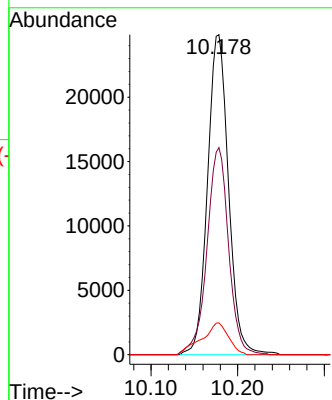
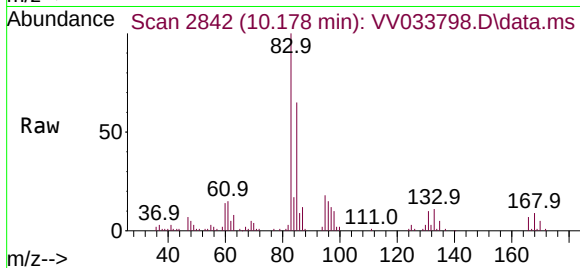
Tgt Ion: 83 Resp: 41814

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: 0.676 ug/L

RT: 10.481 min Scan# 2936

Delta R.T. 0.006 min

Lab File: VV033798.D

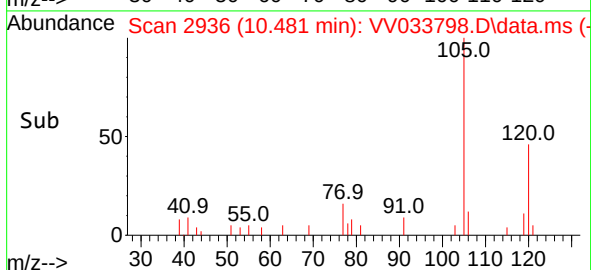
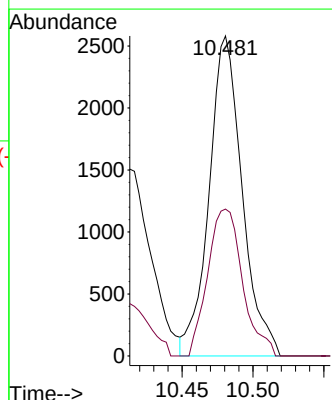
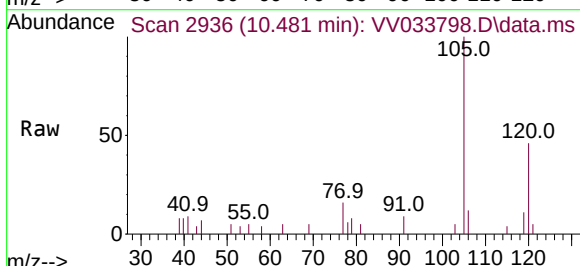
Acq: 22 Jan 2024 13:25

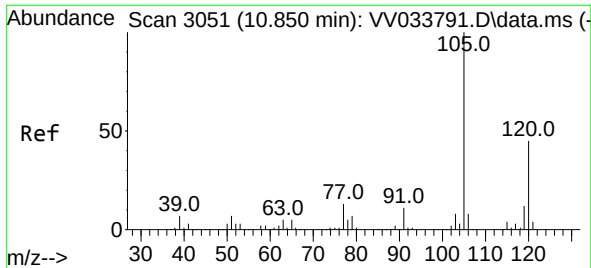
Tgt Ion: 105 Resp: 4194

Ion Ratio Lower Upper

105 100

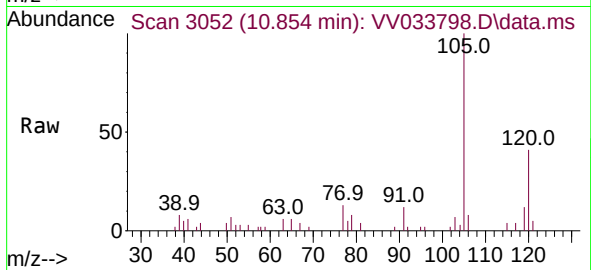
120 48.4 39.1 58.7





#63
1,2,4-Trimethylbenzene
Concen: 1.486 ug/L
RT: 10.854 min Scan# 3052
Delta R.T. 0.003 min
Lab File: VV033798.D
Acq: 22 Jan 2024 13:25

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:105 Resp: 9186
Ion Ratio Lower Upper
105 100
120 44.2 35.4 53.0

