

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 :
 DCMT2

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)

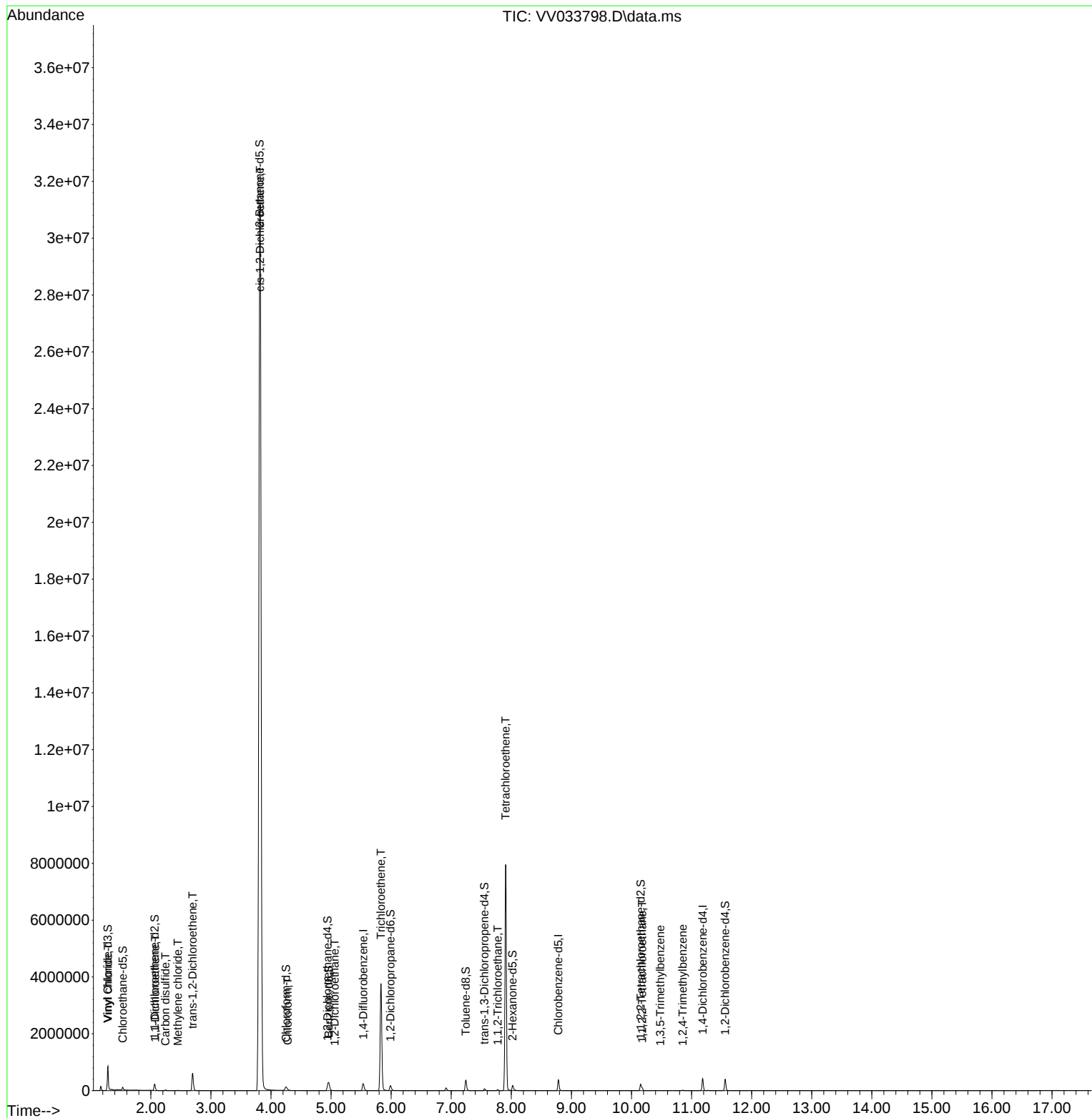
Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	212417	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	199760	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	106907	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	79855	48.915	ug/L	0.00
Spiked Amount	50.000	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
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
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

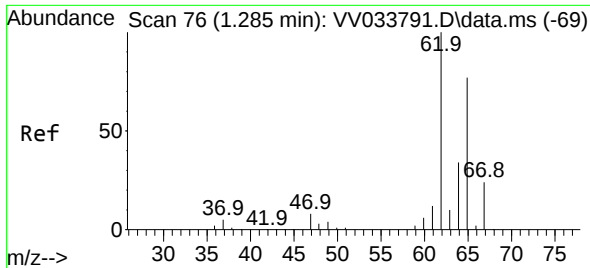
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

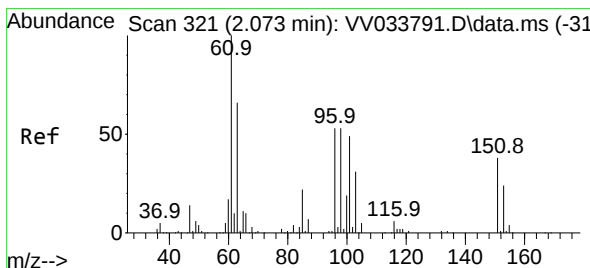
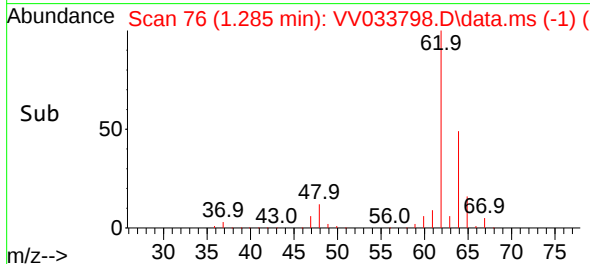
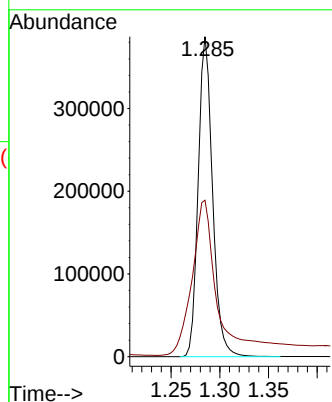
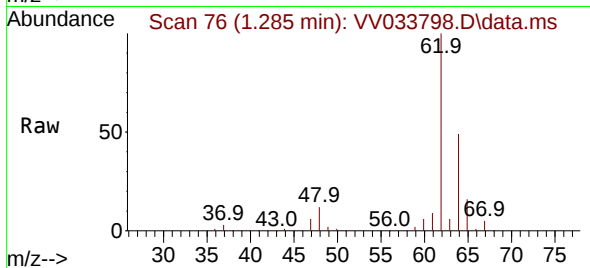




#5
 Vinyl chloride
 Concen: 205.411 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV033798.D
 Acq: 22 Jan 2024 13:25

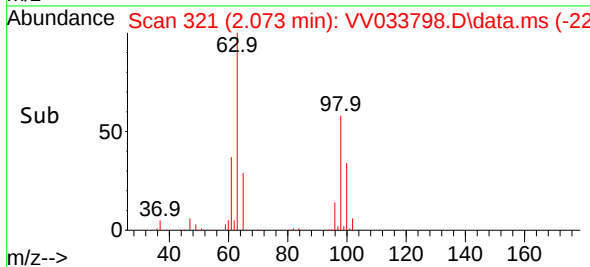
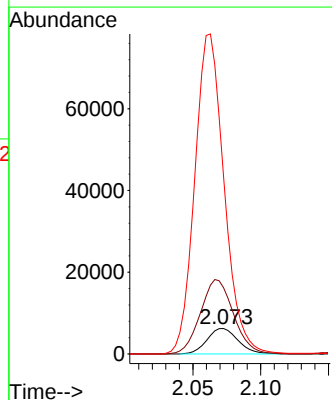
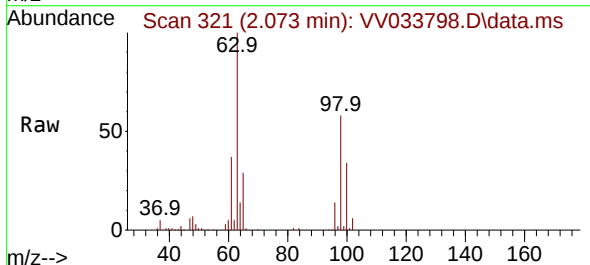
Instrument :
 MSVOA_V
 ClientSampleId :
 DCMT2

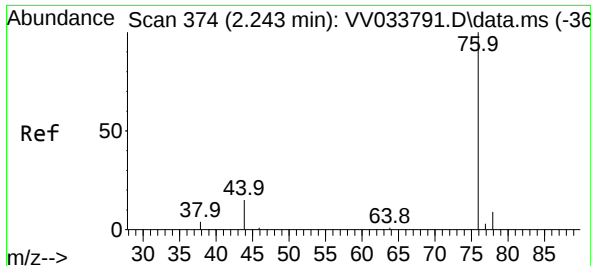
Tgt Ion: 62 Resp: 394875
 Ion Ratio Lower Upper
 62 100
 64 48.9 23.2 43.0#



#12
 1,1-Dichloroethene
 Concen: 7.795 ug/L
 RT: 2.073 min Scan# 321
 Delta R.T. -0.000 min
 Lab File: VV033798.D
 Acq: 22 Jan 2024 13:25

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# 31

Delta R.T. -0.000 min

Lab File: VV033798.D

Acq: 22 Jan 2024 13:25

Instrument :

MSVOA_V

ClientSampleId :

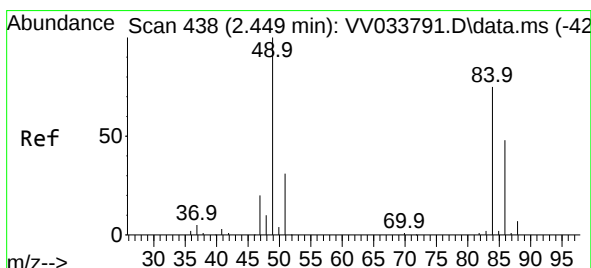
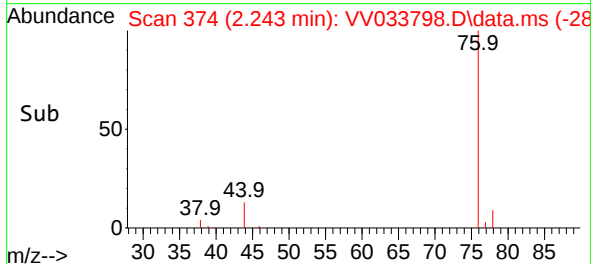
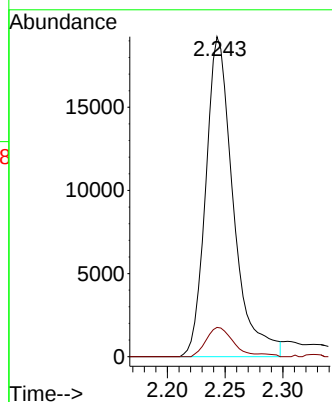
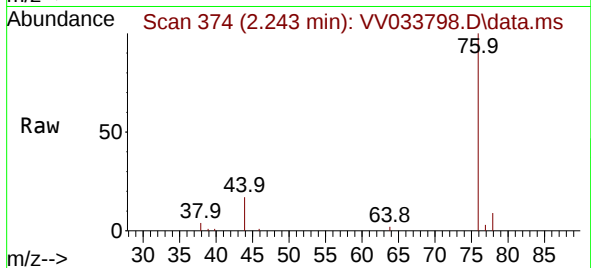
DCMT2

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# 438

Delta R.T. -0.000 min

Lab File: VV033798.D

Acq: 22 Jan 2024 13:25

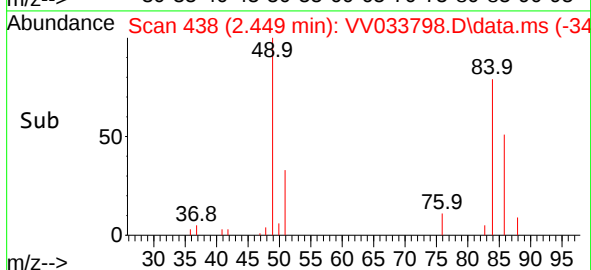
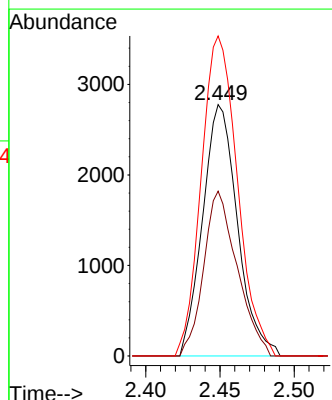
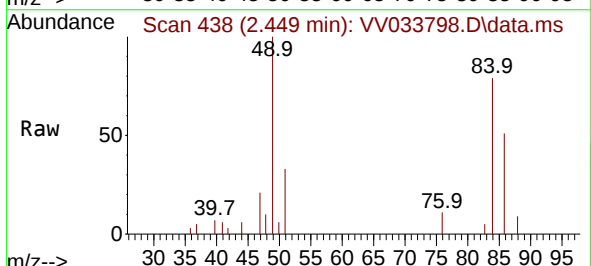
Tgt Ion: 84 Resp: 4535

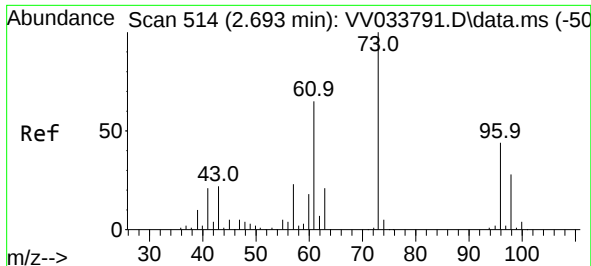
Ion Ratio Lower Upper

84 100

86 65.6 43.9 81.5

49 127.3 98.3 182.5

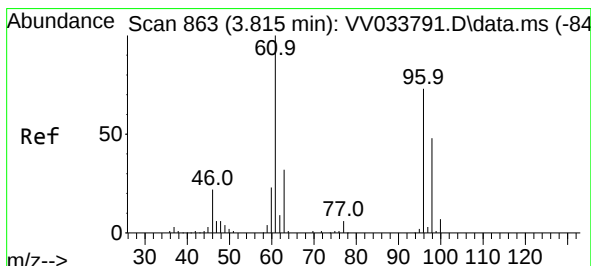
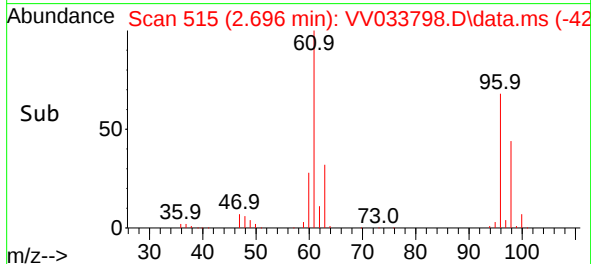
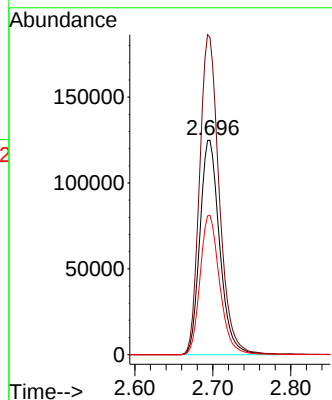
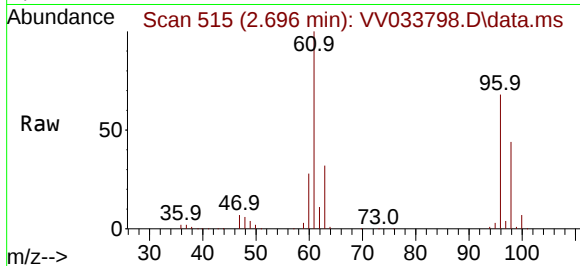




#17
trans-1,2-Dichloroethene
Concen: 154.378 ug/L
RT: 2.696 min Scan# 514
Delta R.T. 0.003 min
Lab File: VV033798.D
Acq: 22 Jan 2024 13:25

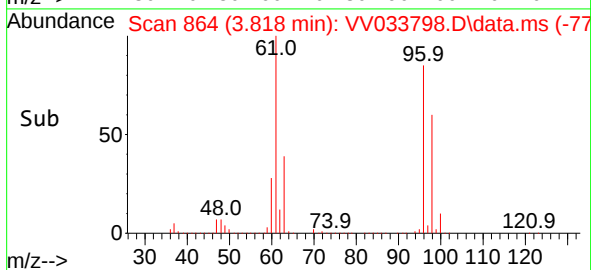
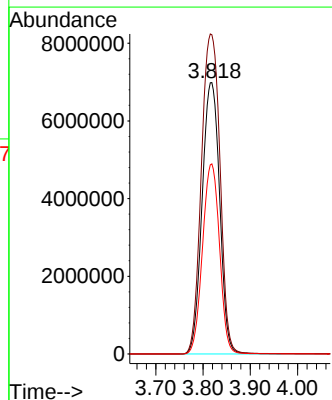
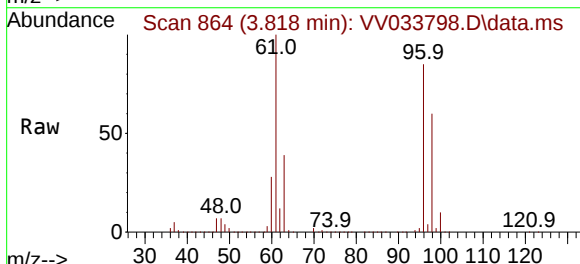
Instrument :
MSVOA_V
ClientSampleId :
DCMT2

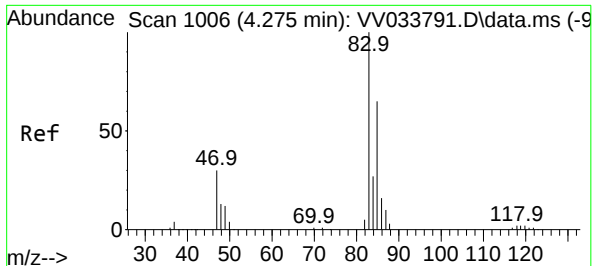
Tgt Ion: 96 Resp: 219839
Ion Ratio Lower Upper
96 100
61 147.9 108.4 201.4
98 64.9 43.8 81.4



#20
cis-1,2-Dichloroethene
Concen: 11356.665 ug/L
RT: 3.818 min Scan# 864
Delta R.T. 0.003 min
Lab File: VV033798.D
Acq: 22 Jan 2024 13:25

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# 1

Delta R.T. 0.003 min

Lab File: VV033798.D

Acq: 22 Jan 2024 13:25

Instrument :

MSVOA_V

ClientSampleId :

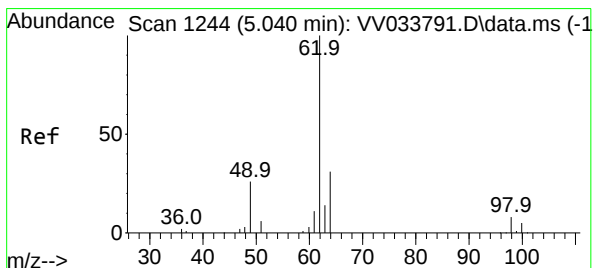
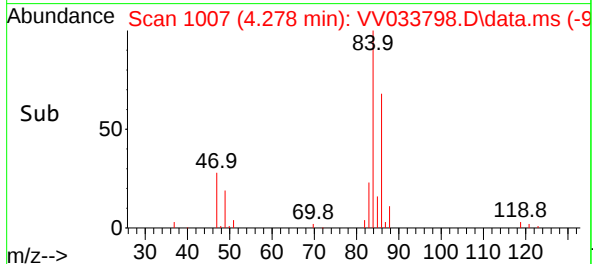
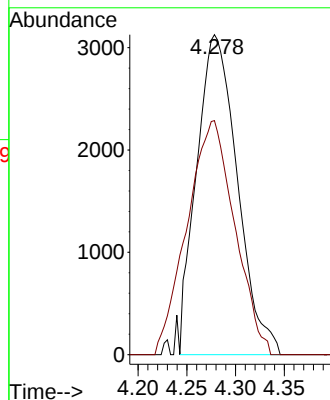
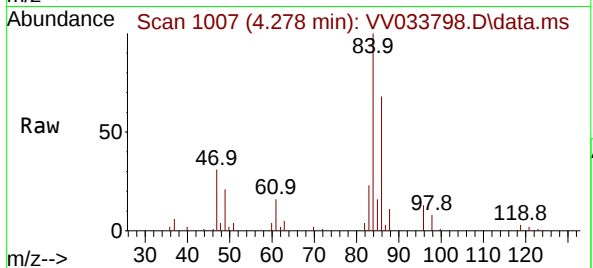
DCMT2

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# 1250

Delta R.T. 0.019 min

Lab File: VV033798.D

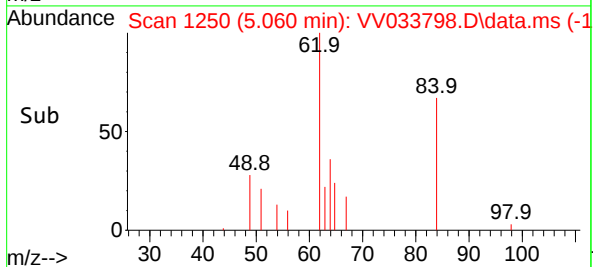
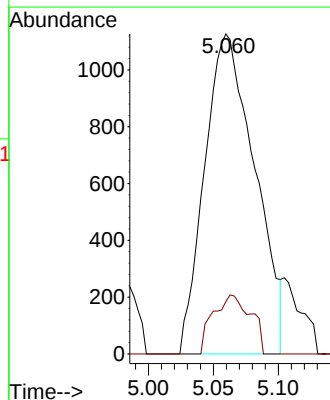
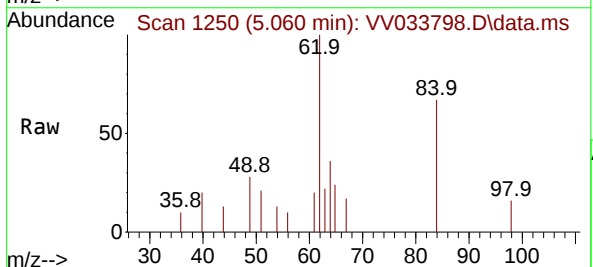
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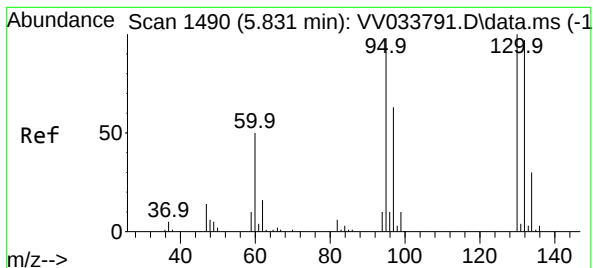
Tgt Ion: 62 Resp: 3022

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

Instrument :

MSVOA_V

ClientSampleId :

DCMT2

Tgt Ion: 95 Resp: 1276586

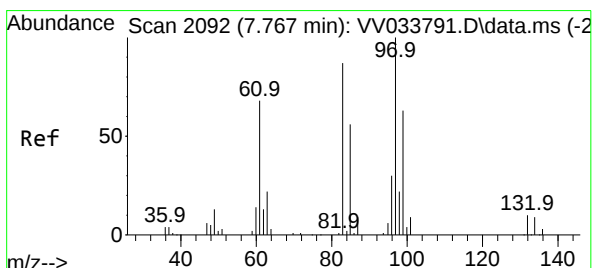
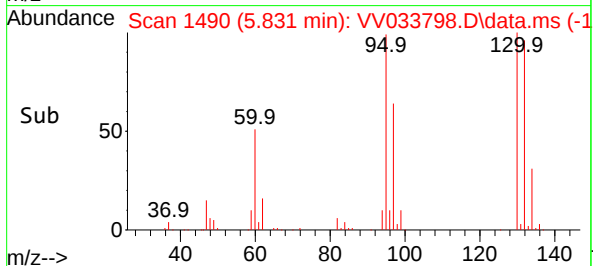
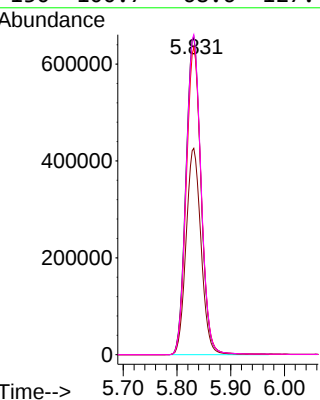
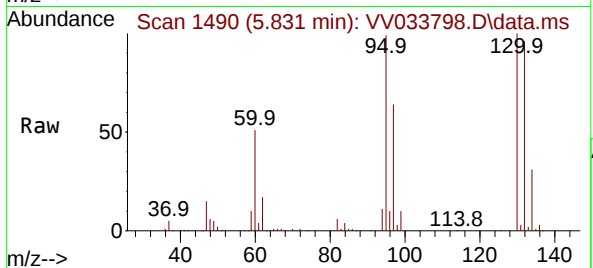
Ion Ratio Lower Upper

95 100

97 64.9 44.4 82.4

132 96.8 65.5 121.7

130 100.7 68.6 127.4



#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

Tgt Ion: 97 Resp: 9958

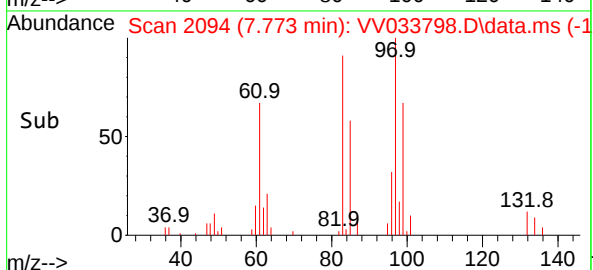
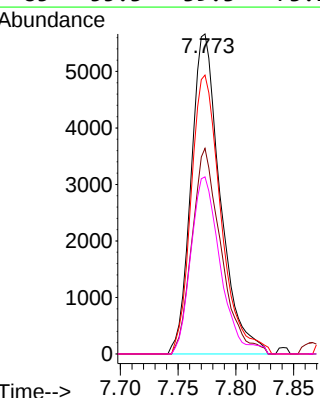
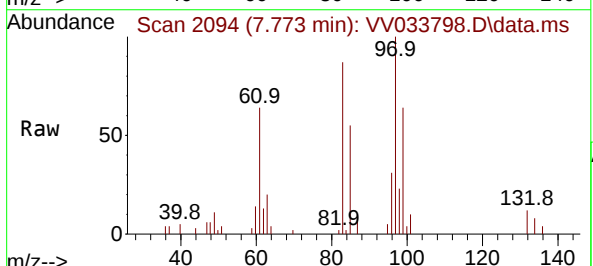
Ion Ratio Lower Upper

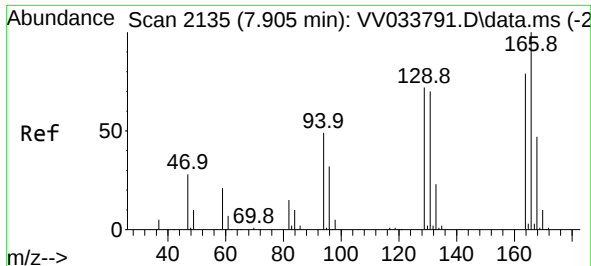
97 100

99 64.2 42.8 79.6

83 87.1 61.2 113.8

85 55.3 39.3 73.1



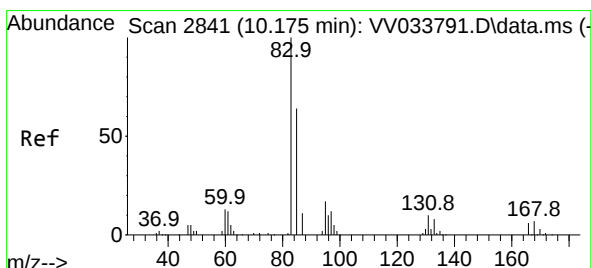
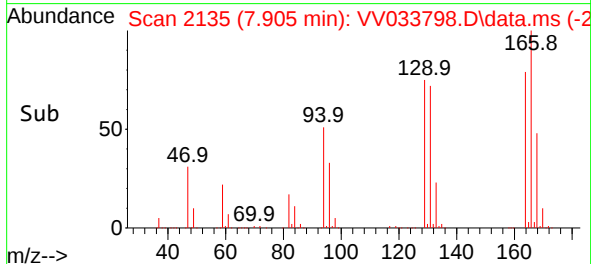
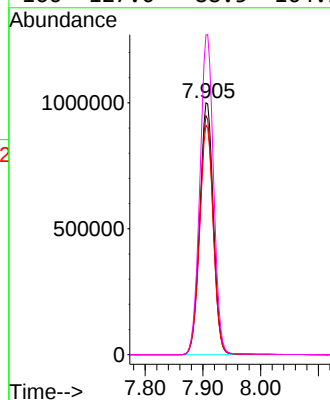
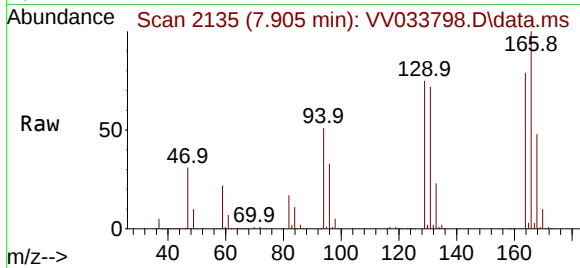


#46
Tetrachloroethene
Concen: 1428.836 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. -0.000 min
Lab File: VV033798.D
Acq: 22 Jan 2024 13:25

Instrument :
MSVOA_V
ClientSampleId :
DCMT2

Tgt Ion:164 Resp: 1649448

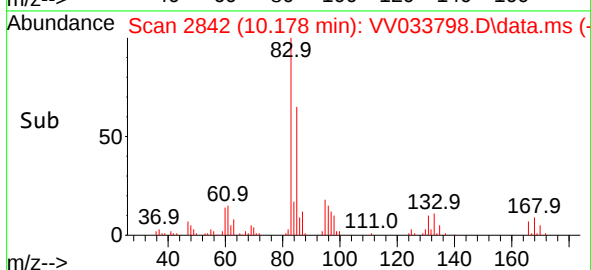
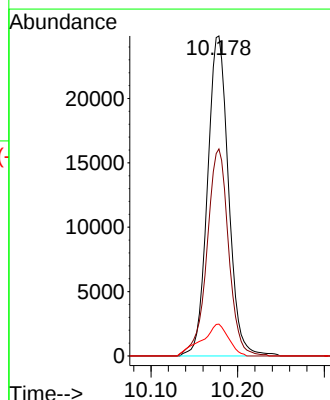
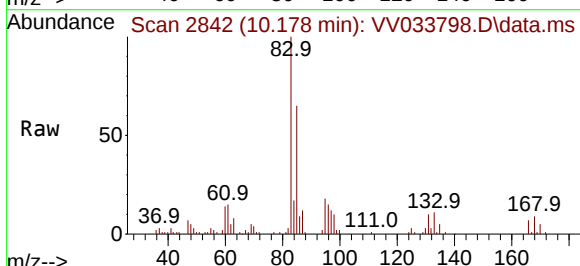
Ion	Ratio	Lower	Upper
164	100		
129	94.9	66.1	122.7
131	91.1	65.9	122.5
166	127.0	88.5	164.3

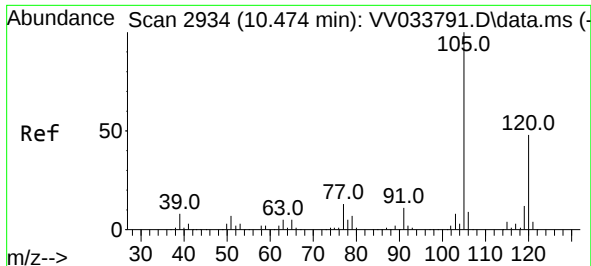


#57
1,1,2,2-Tetrachloroethane
Concen: 17.935 ug/L
RT: 10.178 min Scan# 2842
Delta R.T. 0.003 min
Lab File: VV033798.D
Acq: 22 Jan 2024 13:25

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

Instrument :

MSVOA_V

ClientSampleId :

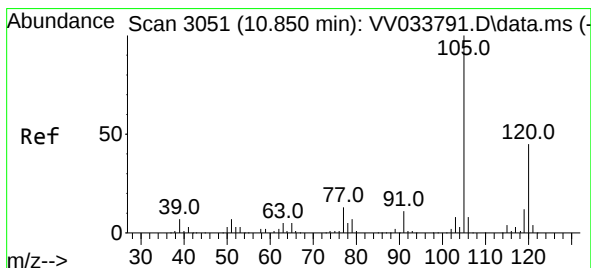
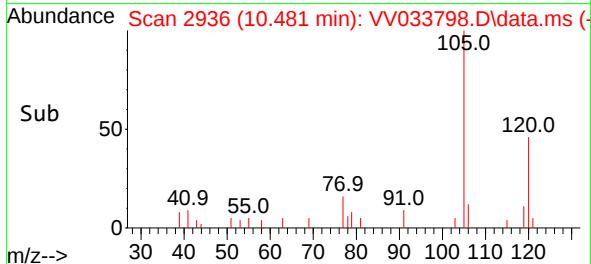
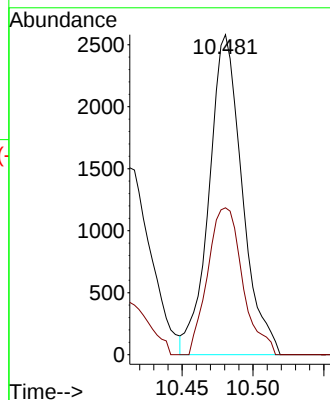
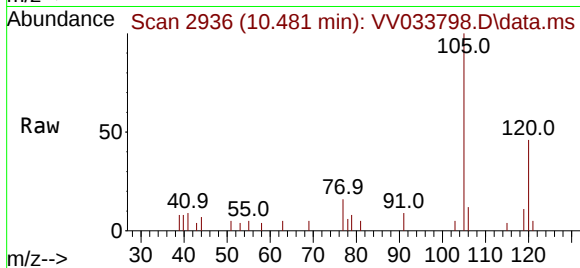
DCMT2

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

Tgt Ion:105 Resp: 9186

Ion Ratio Lower Upper

105 100

120 44.2 35.4 53.0

