

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011924\
 Data File : VW033763.D
 Acq On : 19 Jan 2024 18:48
 Operator : SY/MD
 Sample : P1190-14
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 19 22:26:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM011024WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 19 22:20:26 2024
 Response via : Initial Calibration

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

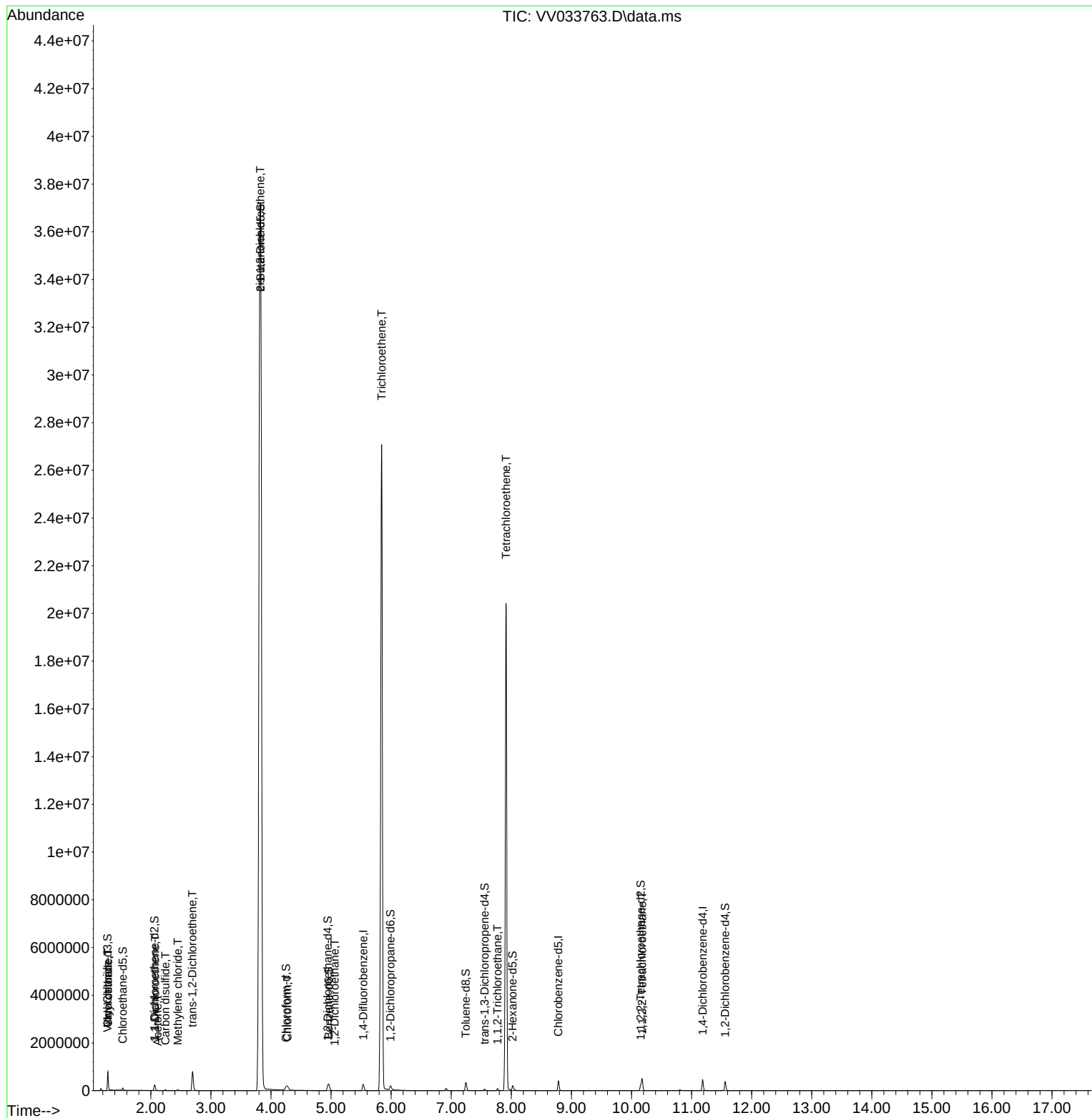
Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	224125	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	209363	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	111826	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	71865	41.721	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	83.440%		
7) Chloroethane-d5	1.532	69	57936	42.472	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	84.940%		
11) 1,1-Dichloroethene-d2	2.060	65	33103	44.655	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	89.300%		
21) 2-Butanone-d5	3.825	46	72327	61.217	ug/L	0.04
Spiked Amount 100.000	Range 40 - 130		Recovery =	61.220%		
24) Chloroform-d	4.249	84	127953	41.543	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	83.080%		
26) 1,2-Dichloroethane-d4	4.944	65	84544	42.483	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.960%		
32) Benzene-d6	4.960	84	241316	40.543	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	81.080%		
36) 1,2-Dichloropropane-d6	5.989	67	76402	38.996	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	78.000%		
41) Toluene-d8	7.243	98	224214	41.809	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	83.620%		
43) trans-1,3-Dichloroprop...	7.555	79	37568	38.798	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	77.600%		
47) 2-Hexanone-d5	8.021	63	63667	78.342	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	78.340%		
56) 1,1,2,2-Tetrachloroeth...	10.153	84	105842	42.317	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	84.640%		
66) 1,2-Dichlorobenzene-d4	11.561	152	91100	42.938	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	85.880%		
Target Compounds						Qvalue
5) Vinyl chloride	1.285	62	372918	183.855	ug/L #	81
8) Chloroethane	1.285	64	224773	185.844	ug/L #	46
12) 1,1-Dichloroethene	2.072	96	21296	15.832	ug/L #	38
13) Acetone	2.111	43	7951	7.039	ug/L	99
14) Carbon disulfide	2.243	76	49756	10.884	ug/L	99
16) Methylene chloride	2.449	84	15612	9.514	ug/L	98
17) trans-1,2-Dichloroethene	2.693	96	286676	190.796	ug/L	97
20) cis-1,2-Dichloroethene	3.822	96	24373199	14575.098	ug/L #	73
25) Chloroform	4.275	83	129762	44.554	ug/L	98
27) 1,2-Dichloroethane	5.059	62	6587	2.708	ug/L	96
34) Trichloroethene	5.841	95	9255123	5610.745	ug/L	95
45) 1,1,2-Trichloroethane	7.770	97	26821	17.469	ug/L	96
46) Tetrachloroethene	7.911	164	4278702	3536.423	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	221597	90.690	ug/L	99

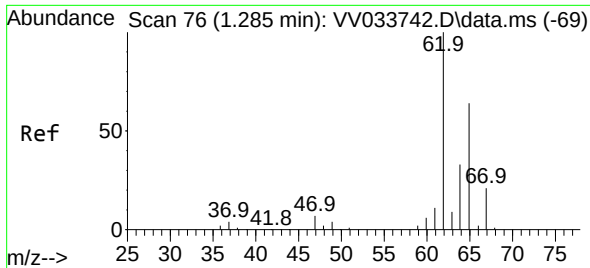
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Jan 19 22:20:26 2024
Response via : Initial Calibration

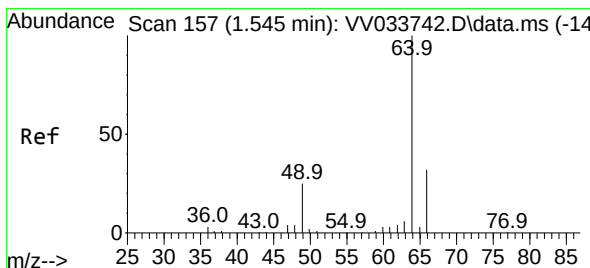
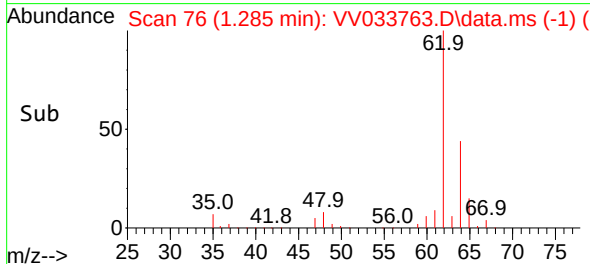
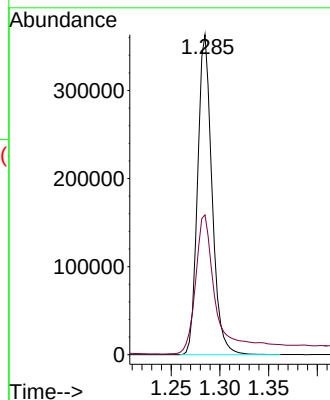
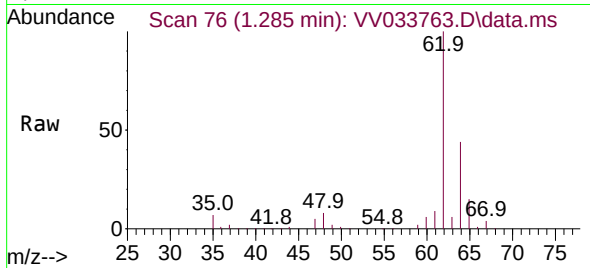




#5
 Vinyl chloride
 Concen: 183.855 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV033763.D
 Acq: 19 Jan 2024 18:48

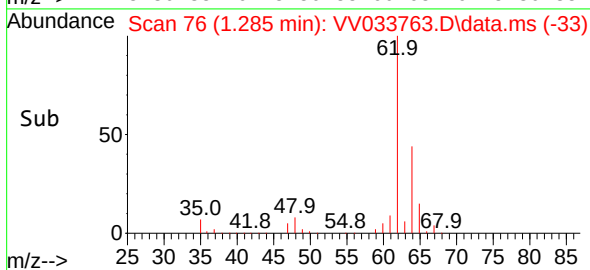
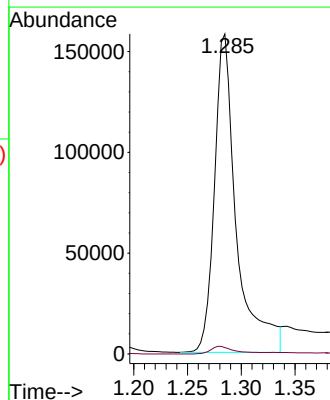
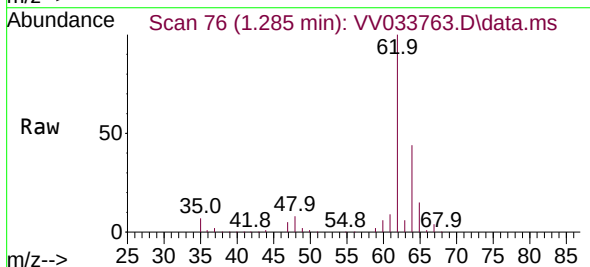
Instrument :
 MSVOA_V
 ClientSampleId :

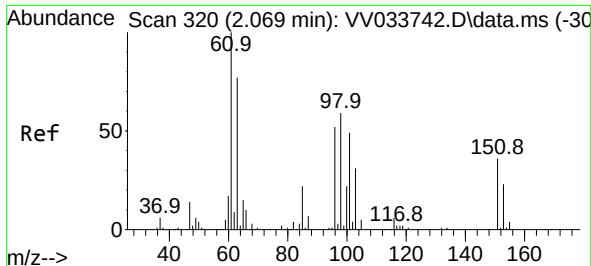
Tgt Ion: 62 Resp: 372918
 Ion Ratio Lower Upper
 62 100
 64 43.7 23.2 43.0#



#8
 Chloroethane
 Concen: 185.844 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.261 min
 Lab File: VV033763.D
 Acq: 19 Jan 2024 18:48

Tgt Ion: 64 Resp: 224773
 Ion Ratio Lower Upper
 64 100
 66 2.0 22.5 41.9#

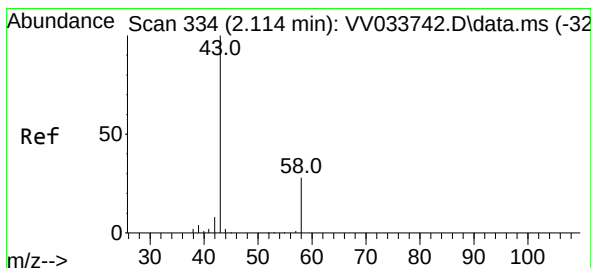
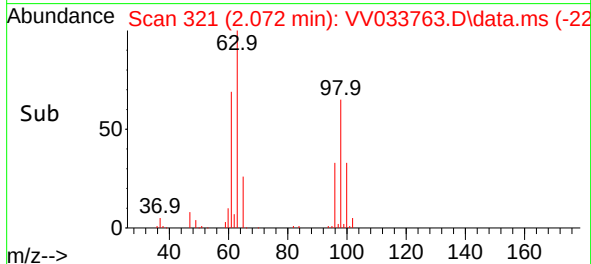
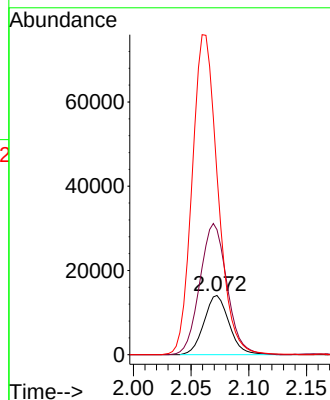
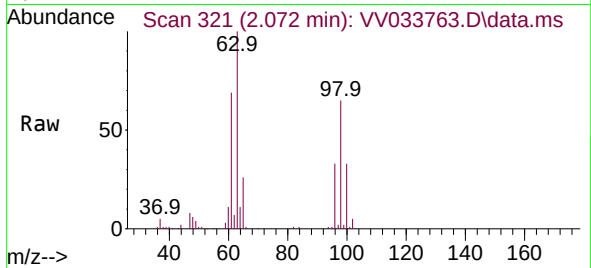




#12
1,1-Dichloroethene
Concen: 15.832 ug/L
RT: 2.072 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV033763.D
Acq: 19 Jan 2024 18:48

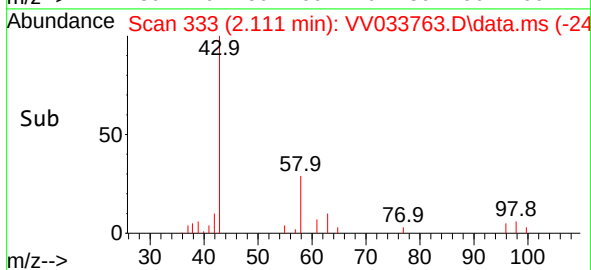
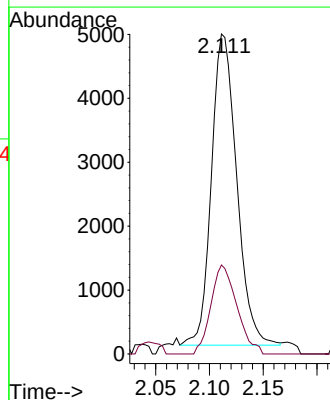
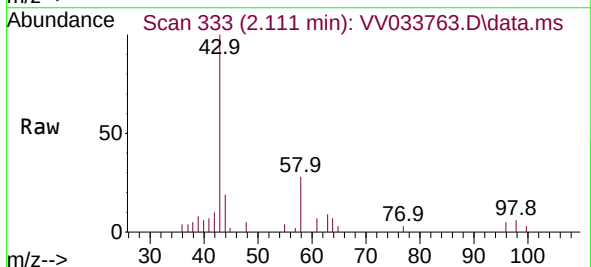
Instrument :
MSVOA_V
ClientSampleId :

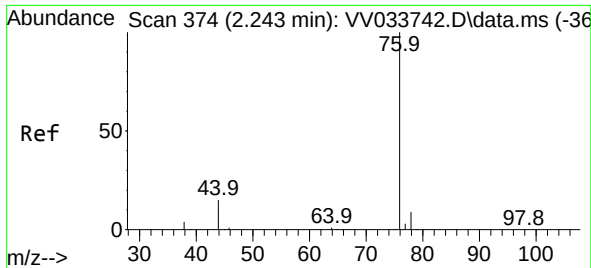
Tgt Ion: 96 Resp: 21296
Ion Ratio Lower Upper
96 100
61 211.1 134.0 248.8
63 304.3 103.4 192.0#



#13
Acetone
Concen: 7.039 ug/L
RT: 2.111 min Scan# 333
Delta R.T. -0.003 min
Lab File: VV033763.D
Acq: 19 Jan 2024 18:48

Tgt Ion: 43 Resp: 7951
Ion Ratio Lower Upper
43 100
58 29.3 0.0 57.2





#14

Carbon disulfide

Concen: 10.884 ug/L

RT: 2.243 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV033763.D

Acq: 19 Jan 2024 18:48

Instrument :

MSVOA_V

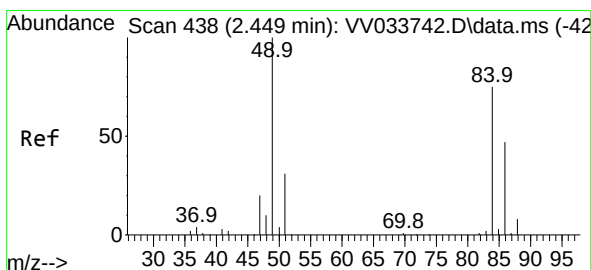
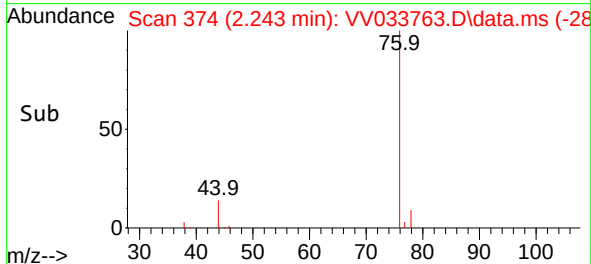
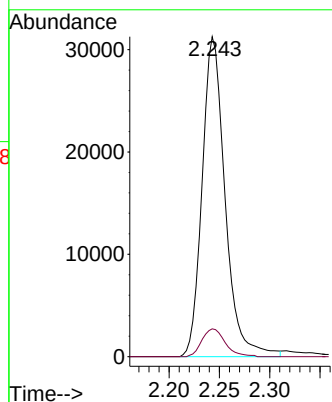
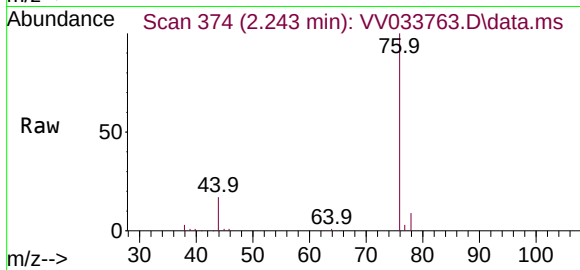
ClientSampleId :

Tgt Ion: 76 Resp: 49756

Ion Ratio Lower Upper

76 100

78 8.7 7.1 10.7



#16

Methylene chloride

Concen: 9.514 ug/L

RT: 2.449 min Scan# 438

Delta R.T. -0.000 min

Lab File: VV033763.D

Acq: 19 Jan 2024 18:48

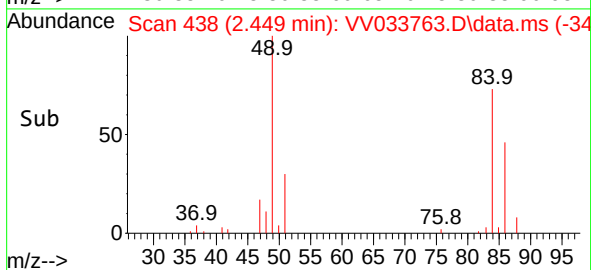
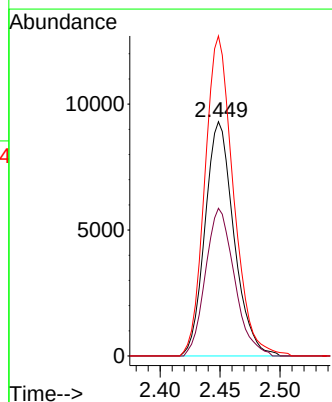
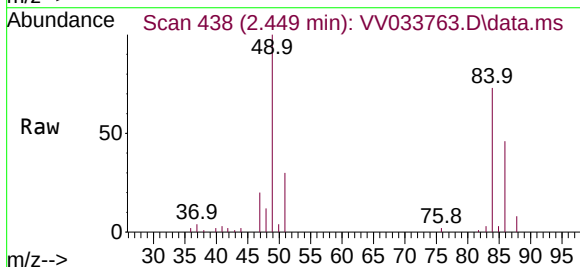
Tgt Ion: 84 Resp: 15612

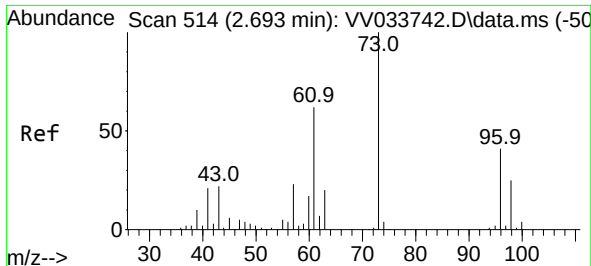
Ion Ratio Lower Upper

84 100

86 63.0 43.9 81.5

49 136.6 98.3 182.5

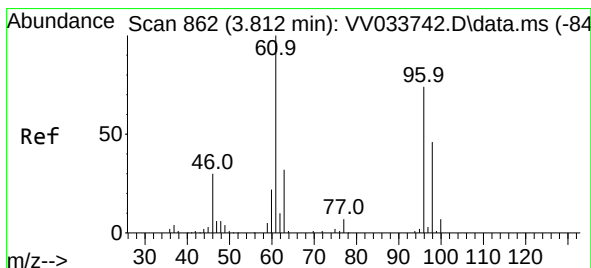
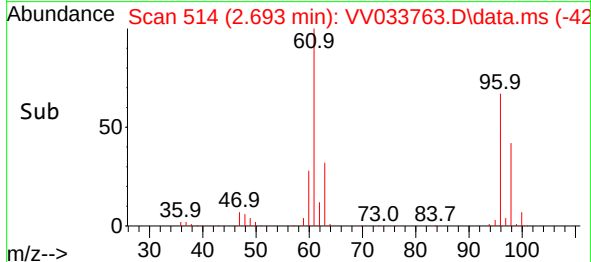
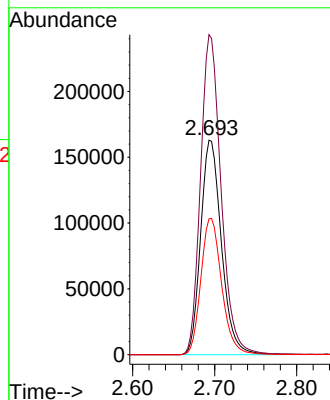
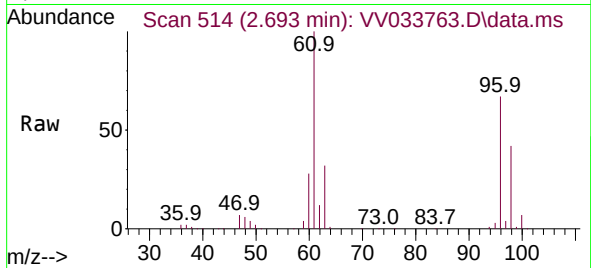




#17
trans-1,2-Dichloroethene
Concen: 190.796 ug/L
RT: 2.693 min Scan# 514
Delta R.T. -0.000 min
Lab File: VV033763.D
Acq: 19 Jan 2024 18:48

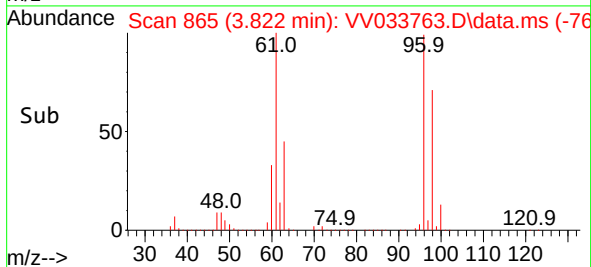
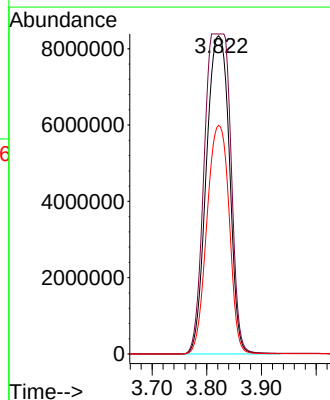
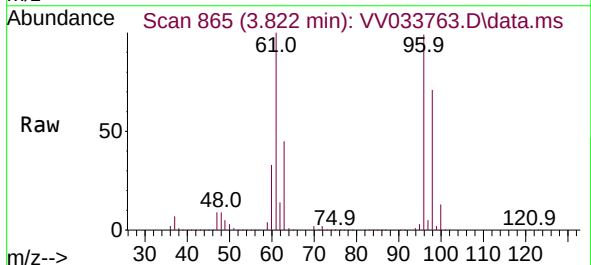
Instrument :
MSVOA_V
ClientSampleId :

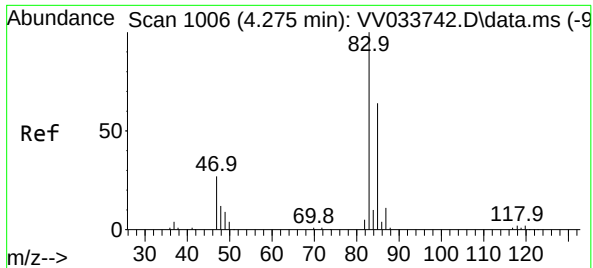
Tgt Ion: 96 Resp: 286676
Ion Ratio Lower Upper
96 100
61 149.2 108.4 201.4
98 63.3 43.8 81.4



#20
cis-1,2-Dichloroethene
Concen: 14575.098 ug/L
RT: 3.822 min Scan# 865
Delta R.T. 0.010 min
Lab File: VV033763.D
Acq: 19 Jan 2024 18:48

Tgt Ion: 96 Resp: 24373199
Ion Ratio Lower Upper
96 100
61 100.6 100.6 186.8#
98 71.8 44.6 82.8

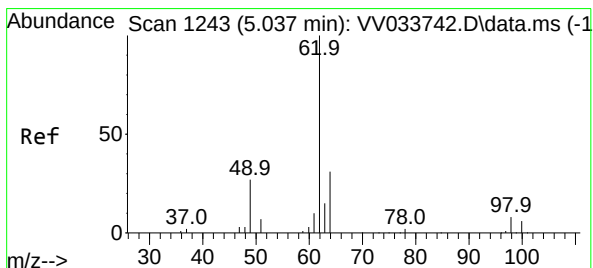
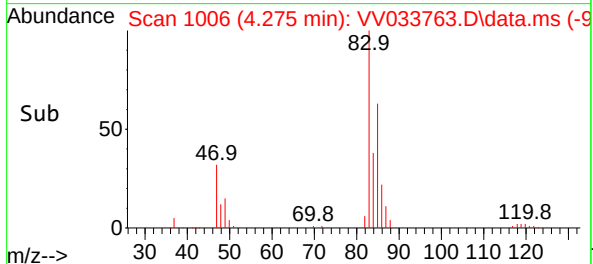
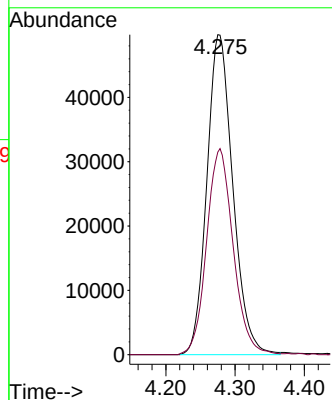
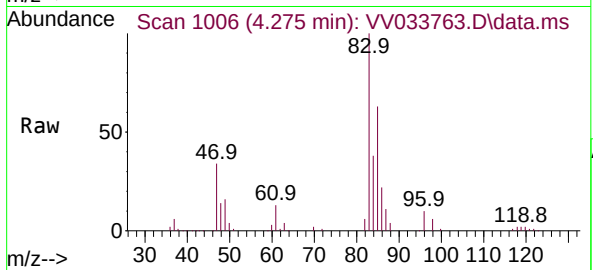




#25
Chloroform
Concen: 44.554 ug/L
RT: 4.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV033763.D
Acq: 19 Jan 2024 18:48

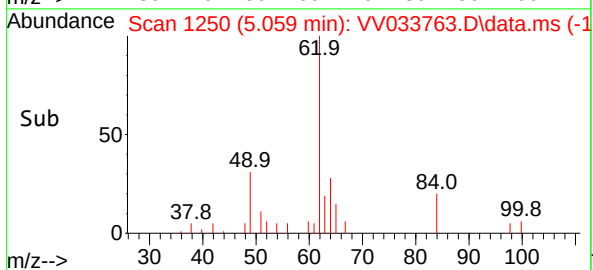
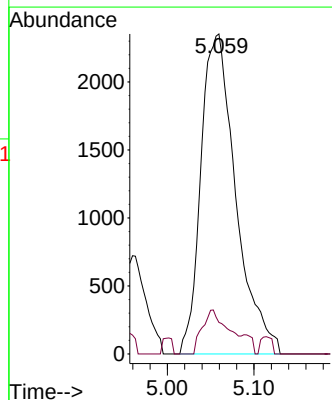
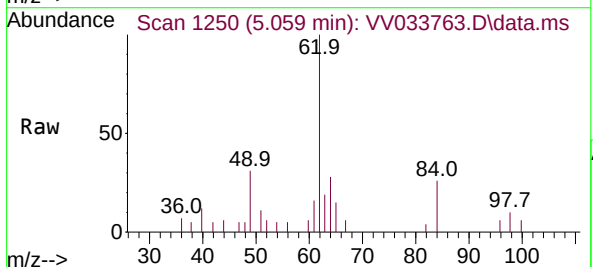
Instrument :
MSVOA_V
ClientSampleId :

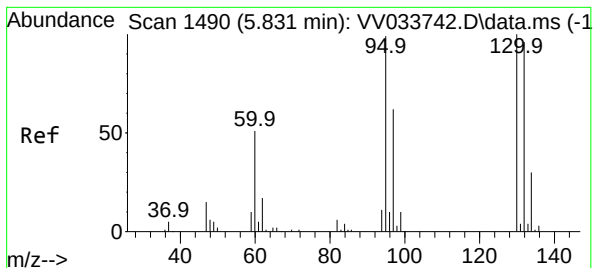
Tgt Ion: 83 Resp: 129762
Ion Ratio Lower Upper
83 100
85 63.3 45.1 83.9



#27
1,2-Dichloroethane
Concen: 2.708 ug/L
RT: 5.059 min Scan# 1250
Delta R.T. 0.022 min
Lab File: VV033763.D
Acq: 19 Jan 2024 18:48

Tgt Ion: 62 Resp: 6587
Ion Ratio Lower Upper
62 100
98 9.9 6.8 10.2





#34

Trichloroethene

Concen: 5610.745 ug/L

RT: 5.841 min Scan# 1490

Delta R.T. 0.010 min

Lab File: VV033763.D

Acq: 19 Jan 2024 18:48

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 9255123

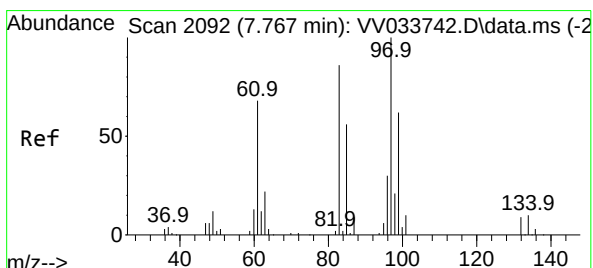
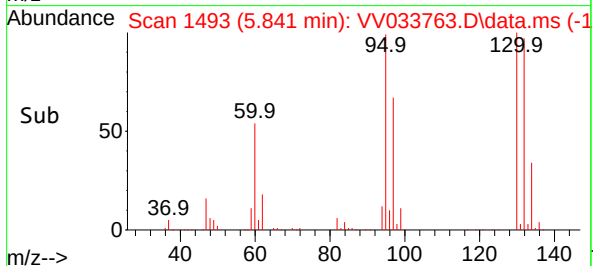
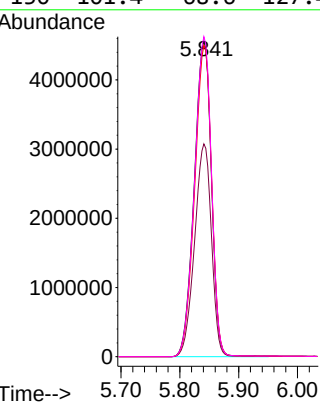
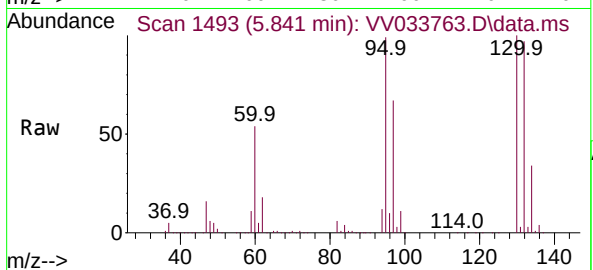
Ion Ratio Lower Upper

95 100

97 67.5 44.4 82.4

132 98.6 65.5 121.7

130 101.4 68.6 127.4



#45

1,1,2-Trichloroethane

Concen: 17.469 ug/L

RT: 7.770 min Scan# 2093

Delta R.T. 0.003 min

Lab File: VV033763.D

Acq: 19 Jan 2024 18:48

Tgt Ion: 97 Resp: 26821

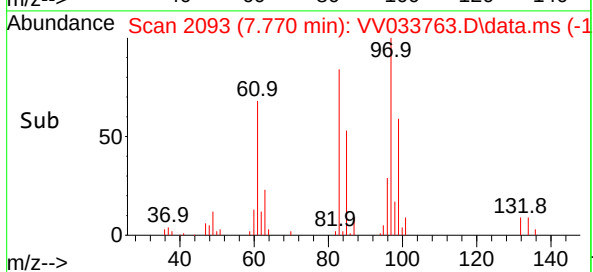
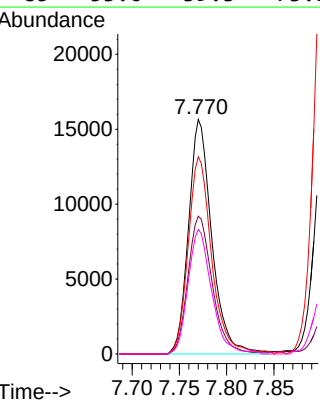
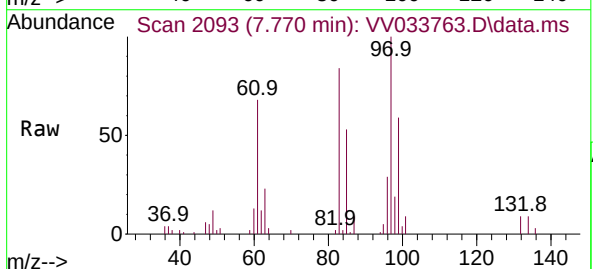
Ion Ratio Lower Upper

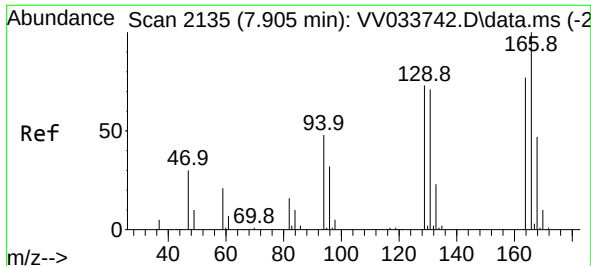
97 100

99 58.7 42.8 79.6

83 84.0 61.2 113.8

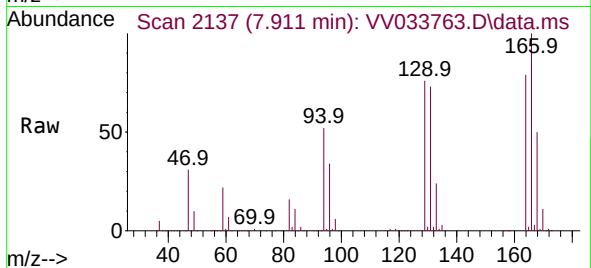
85 53.0 39.3 73.1





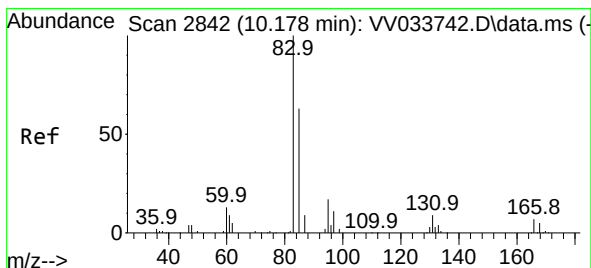
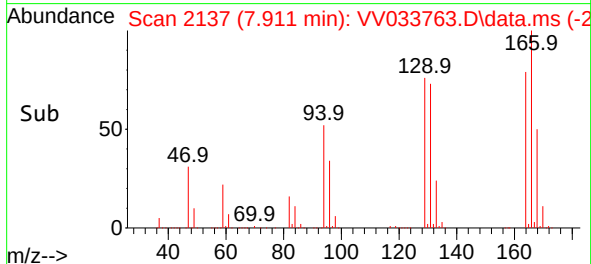
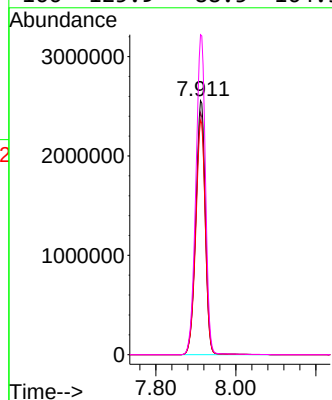
#46
Tetrachloroethene
Concen: 3536.423 ug/L
RT: 7.911 min Scan# 2135
Delta R.T. 0.006 min
Lab File: VV033763.D
Acq: 19 Jan 2024 18:48

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:164 Resp: 4278702

Ion	Ratio	Lower	Upper
164	100		
129	95.3	66.1	122.7
131	92.3	65.9	122.5
166	125.9	88.5	164.3



#57
1,1,2,2-Tetrachloroethane
Concen: 90.690 ug/L
RT: 10.178 min Scan# 2842
Delta R.T. -0.000 min
Lab File: VV033763.D
Acq: 19 Jan 2024 18:48

Tgt Ion: 83 Resp: 221597

Ion	Ratio	Lower	Upper
83	100		
85	63.7	44.9	83.5
131	9.9	7.5	11.3

