

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112621\
 Data File : VW023727.D
 Acq On : 26 Nov 2021 15:47
 Operator : SY/MD
 Sample : M4821-05DL 10X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 27 03:54:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112321WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Nov 27 03:48:32 2021
 Response via : Initial Calibration

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

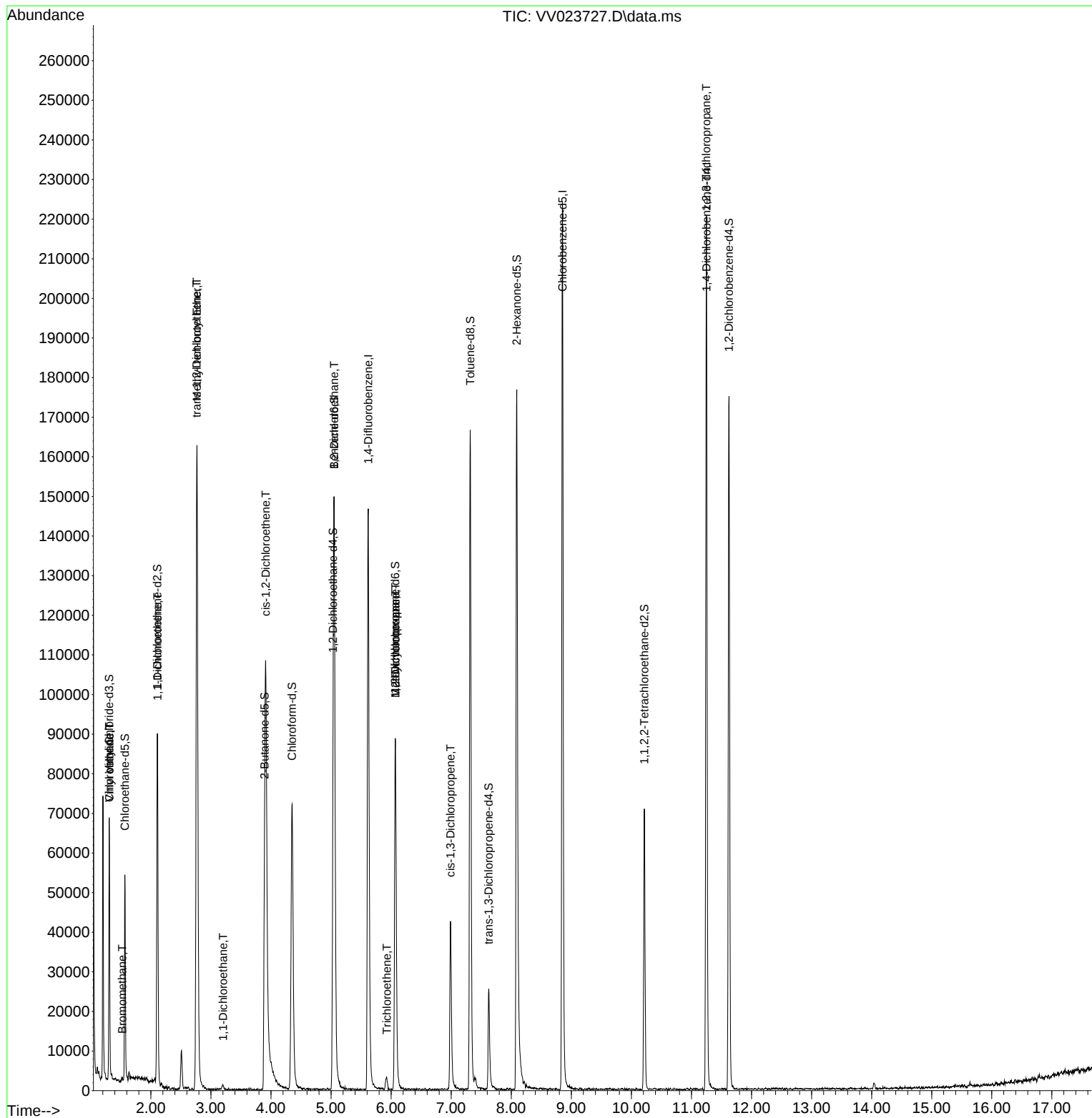
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	132318	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	128050	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	59343	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	32920	3.031	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	60.600%
7) Chloroethane-d5	1.568	69	29948	3.507	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	70.200%
11) 1,1-Dichloroethene-d2	2.108	63	44943	2.348	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	47.000%#
20) 2-Butanone-d5	3.892	46	81112	62.116	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	124.240%
24) Chloroform-d	4.349	84	74045	3.915	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.200%
26) 1,2-Dichloroethane-d4	5.034	65	39090	4.424	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.400%
32) Benzene-d6	5.053	84	132674	3.804	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.000%
36) 1,2-Dichloropropane-d6	6.069	67	41848	4.279	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.600%
41) Toluene-d8	7.317	98	111779	3.430	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.600%#
43) trans-1,3-Dichloroprop...	7.625	79	15582	3.953	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.000%
46) 2-Hexanone-d5	8.091	63	62392	47.640	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.280%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	30646	4.355	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.200%
66) 1,2-Dichlorobenzene-d4	11.625	152	46895	4.470	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.400%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.310	62	5083	0.443	ug/L #	75
6) Bromomethane	1.523	94	537	0.083	ug/L	98
8) Chloroethane	1.310	64	1940	0.267	ug/L	93
12) 1,1-Dichloroethene	2.111	96	537	0.061	ug/L #	1
17) Methyl tert-butyl Ether	2.767	73	135088	7.436	ug/L	100
18) trans-1,2-Dichloroethene	2.764	96	14127	1.399	ug/L	99
19) 1,1-Dichloroethane	3.201	63	1513	0.089	ug/L	97
22) cis-1,2-Dichloroethene	3.912	96	45807	4.730	ug/L	98
27) 1,2-Dichloroethane	5.053	62	836	0.083	ug/L #	73
34) Trichloroethene	5.931	95	873	0.089	ug/L	86
35) Methylcyclohexane	6.072	83	10833	0.711	ug/L #	19
37) 1,2-Dichloropropane	6.072	63	4824	0.556	ug/L #	84
39) cis-1,3-Dichloropropene	6.989	75	1226	0.099	ug/L #	74
61) 1,2,3-Trichloropropane	11.246	75	5740	1.364	ug/L #	61

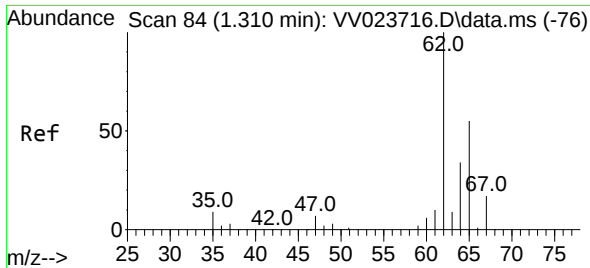
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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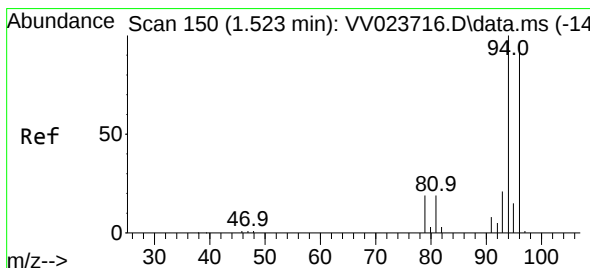
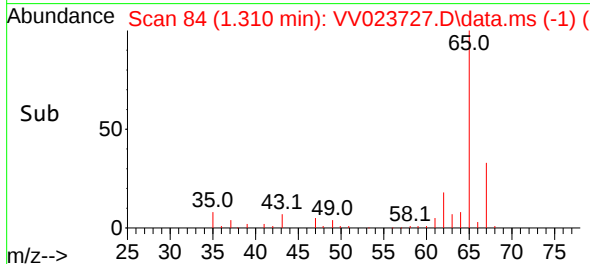
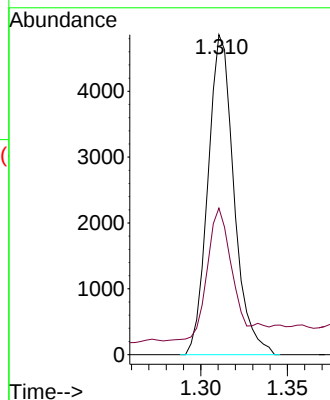
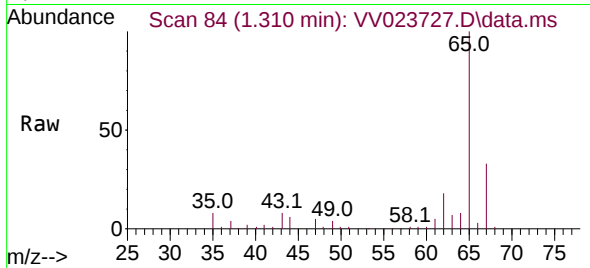




#5
 Vinyl chloride
 Concen: 0.443 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV023727.D
 Acq: 26 Nov 2021 15:47

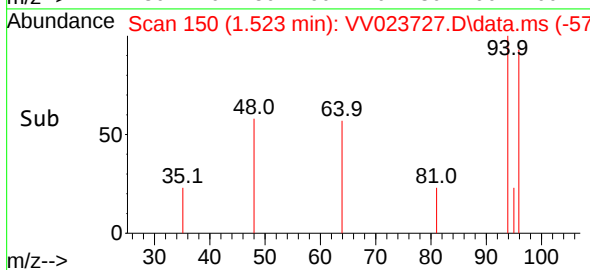
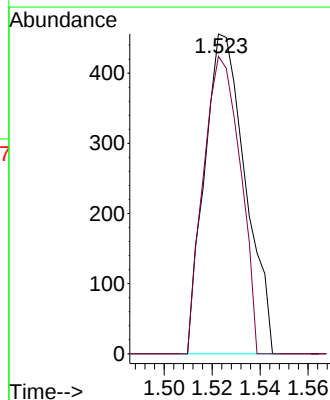
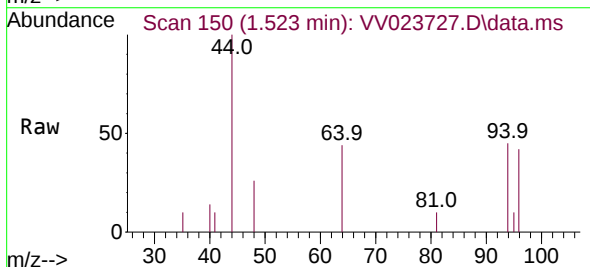
Instrument :
 MSVOA_V
 ClientSampleId :

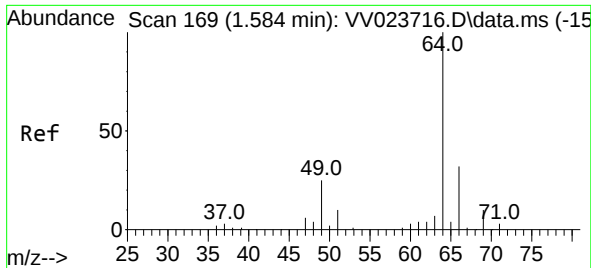
Tgt Ion: 62 Resp: 5083
 Ion Ratio Lower Upper
 62 100
 64 45.8 22.4 41.6#



#6
 Bromomethane
 Concen: 0.083 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. 0.000 min
 Lab File: VV023727.D
 Acq: 26 Nov 2021 15:47

Tgt Ion: 94 Resp: 537
 Ion Ratio Lower Upper
 94 100
 96 93.0 66.2 123.0





#8

Chloroethane

Concen: 0.267 ug/L

RT: 1.310 min Scan# 84

Delta R.T. -0.273 min

Lab File: VV023727.D

Acq: 26 Nov 2021 15:47

Instrument :

MSVOA_V

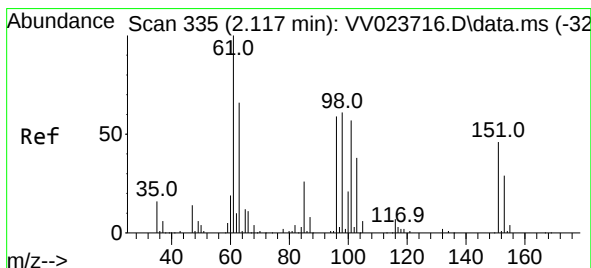
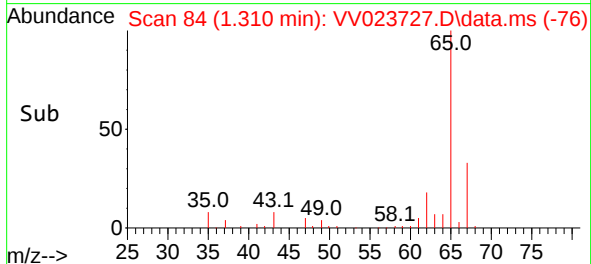
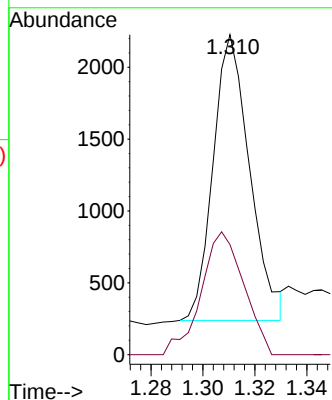
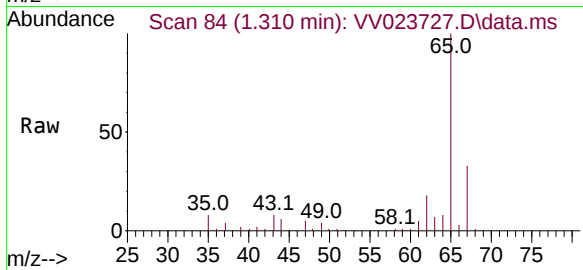
ClientSampleId :

Tgt Ion: 64 Resp: 1940

Ion Ratio Lower Upper

64 100

66 34.4 21.4 39.8



#12

1,1-Dichloroethene

Concen: 0.061 ug/L

RT: 2.111 min Scan# 333

Delta R.T. -0.006 min

Lab File: VV023727.D

Acq: 26 Nov 2021 15:47

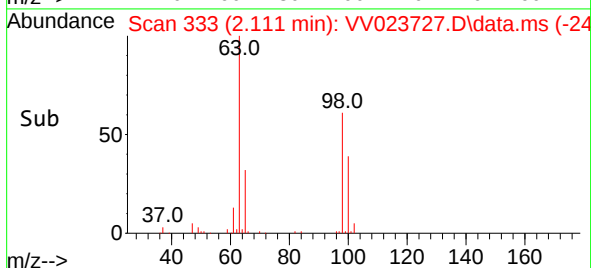
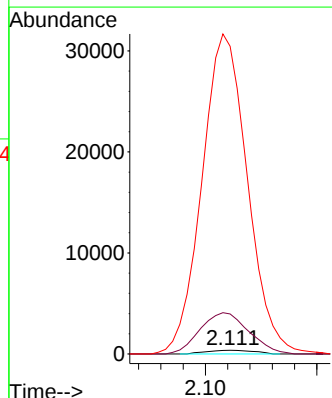
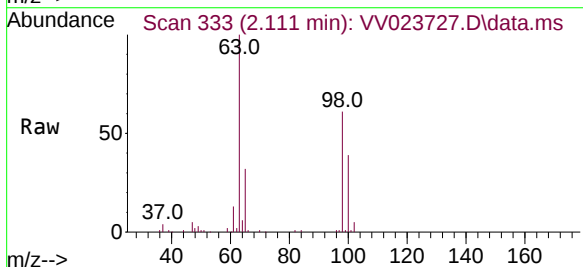
Tgt Ion: 96 Resp: 537

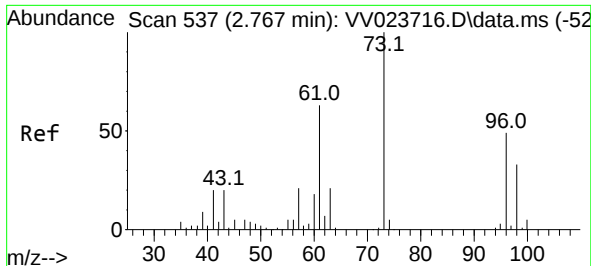
Ion Ratio Lower Upper

96 100

61 1079.8 116.1 215.5#

63 8298.6 79.4 147.4#

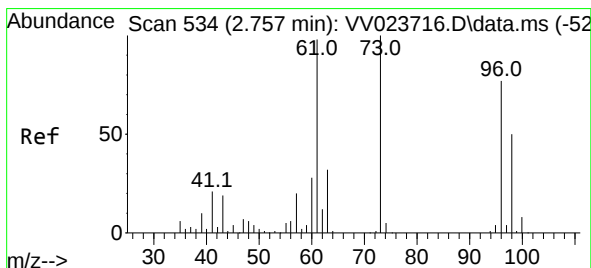
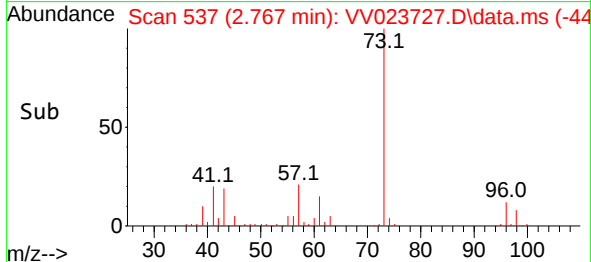
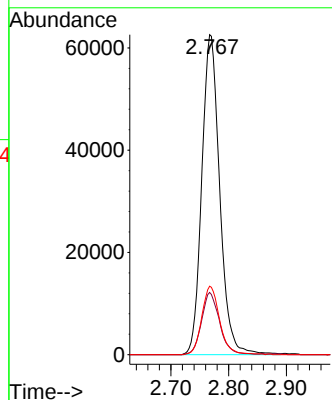
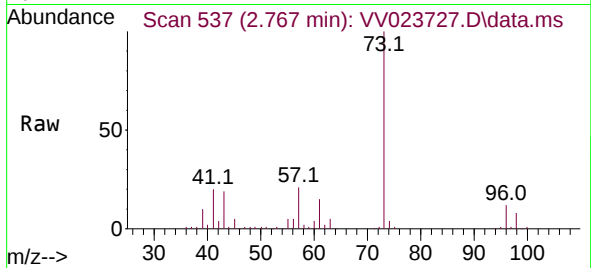




#17
Methyl tert-butyl Ether
Concen: 7.436 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV023727.D
Acq: 26 Nov 2021 15:47

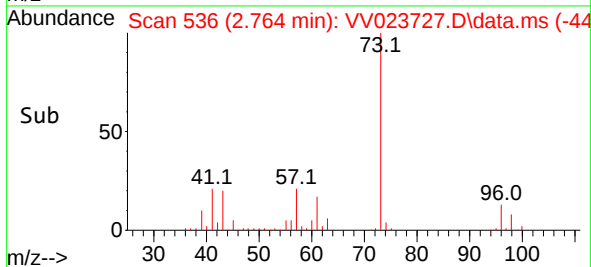
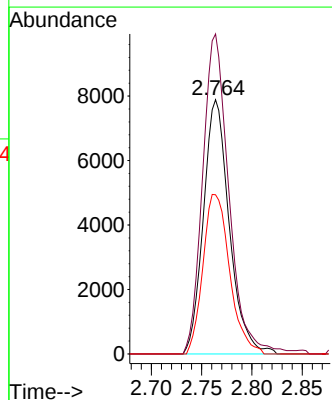
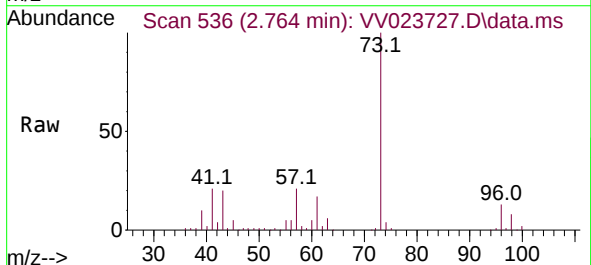
Instrument :
MSVOA_V
ClientSampleId :

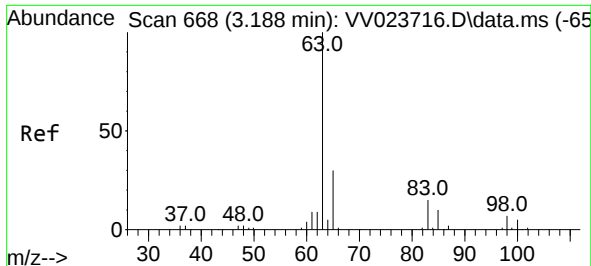
Tgt Ion: 73 Resp: 135088
Ion Ratio Lower Upper
73 100
43 19.6 15.5 23.3
57 21.3 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 1.399 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.006 min
Lab File: VV023727.D
Acq: 26 Nov 2021 15:47

Tgt Ion: 96 Resp: 14127
Ion Ratio Lower Upper
96 100
61 125.8 88.2 163.8
98 62.6 44.9 83.5





#19

1,1-Dichloroethane

Concen: 0.089 ug/L

RT: 3.201 min Scan# 6

Delta R.T. 0.013 min

Lab File: VV023727.D

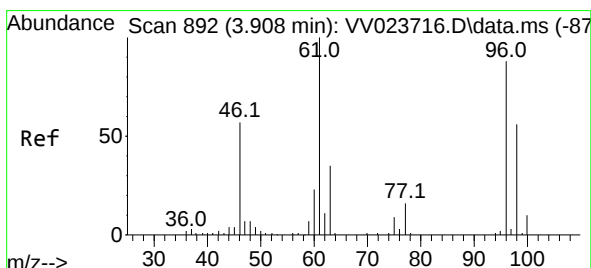
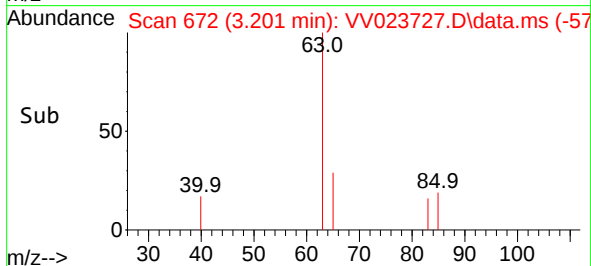
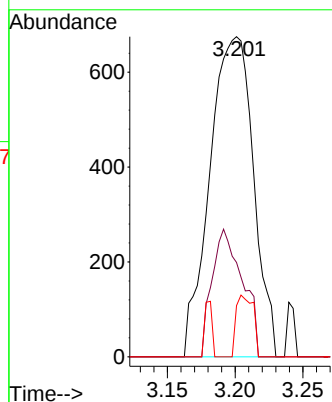
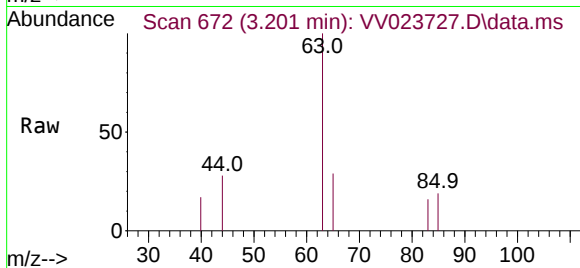
Acq: 26 Nov 2021 15:47

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 63	Resp: 1513
Ion Ratio	Lower Upper
63	100
65	29.5 22.3 41.3
83	16.0 10.7 19.9



#22

cis-1,2-Dichloroethene

Concen: 4.730 ug/L

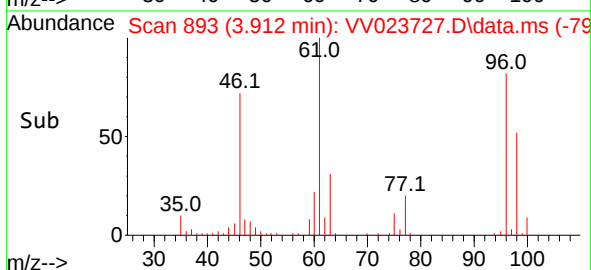
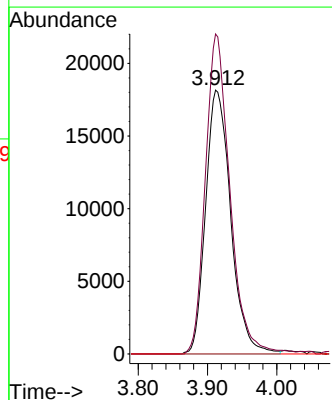
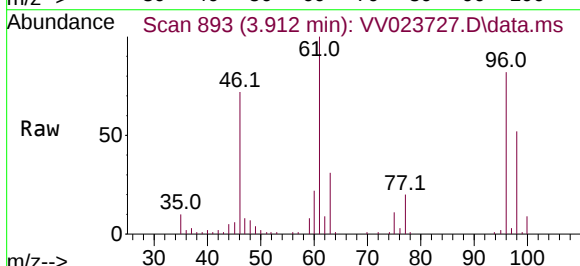
RT: 3.912 min Scan# 893

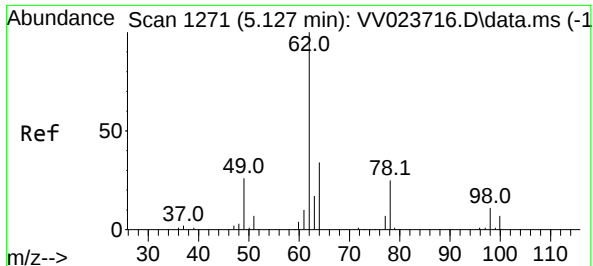
Delta R.T. 0.003 min

Lab File: VV023727.D

Acq: 26 Nov 2021 15:47

Tgt Ion: 96	Resp: 45807
Ion Ratio	Lower Upper
96	100
61	121.3 83.4 154.8
68	0.0 0.0 0.0

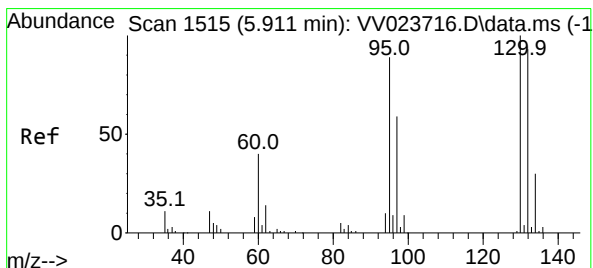
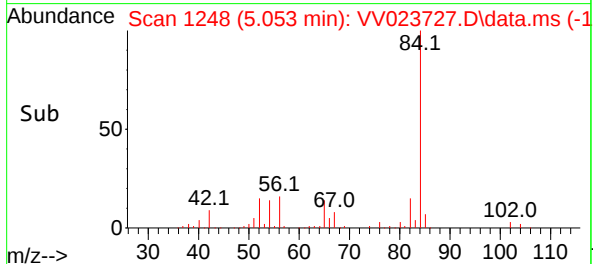
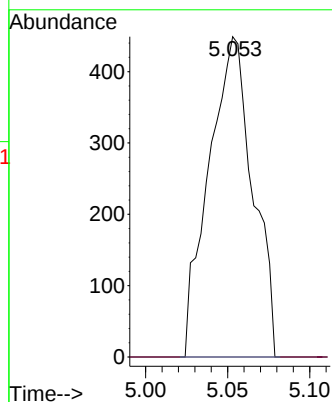
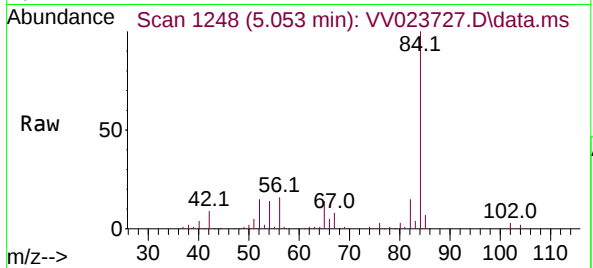




#27
1,2-Dichloroethane
Concen: 0.083 ug/L
RT: 5.053 min Scan# 11
Delta R.T. -0.074 min
Lab File: VV023727.D
Acq: 26 Nov 2021 15:47

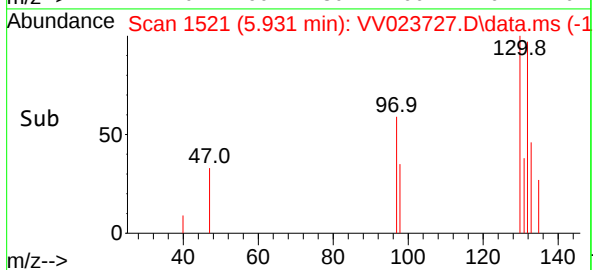
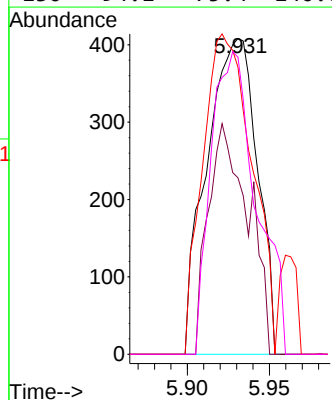
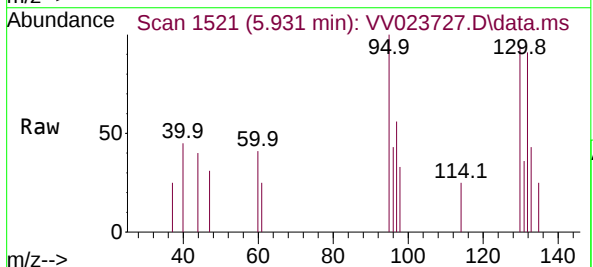
Instrument :
MSVOA_V
ClientSampleId :

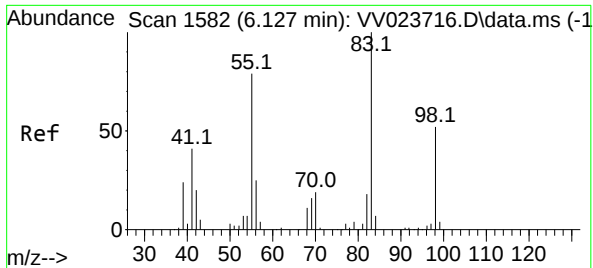
Tgt Ion: 62 Resp: 836
Ion Ratio Lower Upper
62 100
98 0.0 8.1 12.1#



#34
Trichloroethene
Concen: 0.089 ug/L
RT: 5.931 min Scan# 1521
Delta R.T. 0.019 min
Lab File: VV023727.D
Acq: 26 Nov 2021 15:47

Tgt Ion: 95 Resp: 873
Ion Ratio Lower Upper
95 100
97 55.9 45.2 84.0
132 90.9 76.1 141.3
130 94.1 75.4 140.0

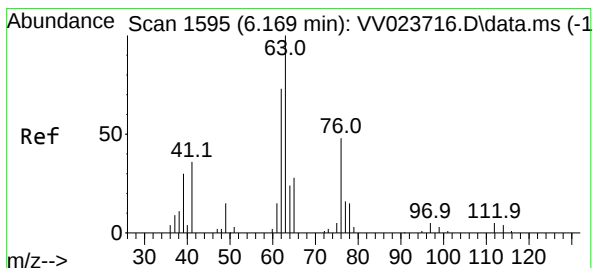
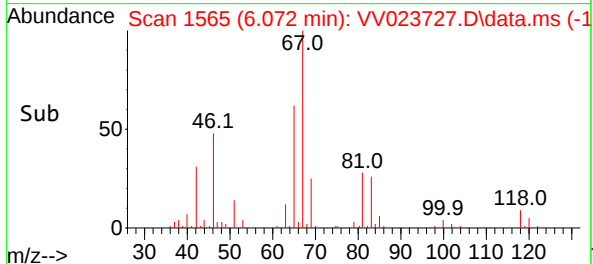
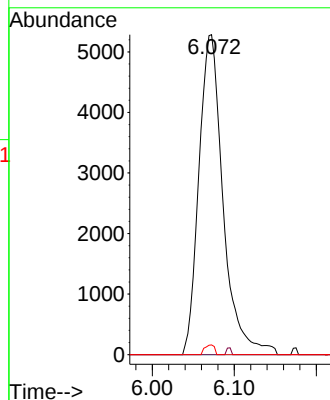
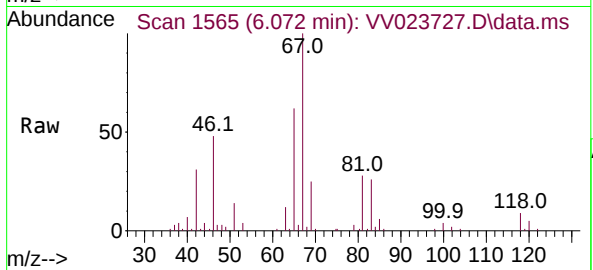




#35
Methylcyclohexane
Concen: 0.711 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.055 min
Lab File: VV023727.D
Acq: 26 Nov 2021 15:47

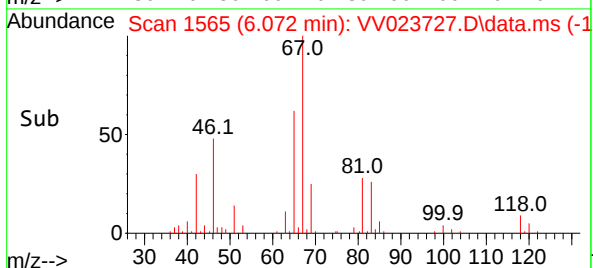
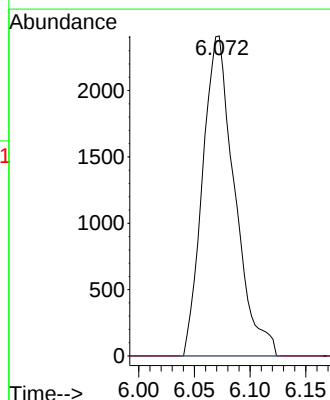
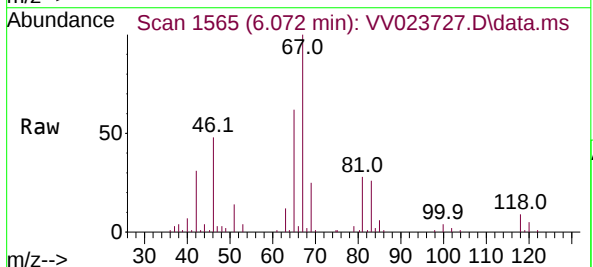
Instrument :
MSVOA_V
ClientSampleId :

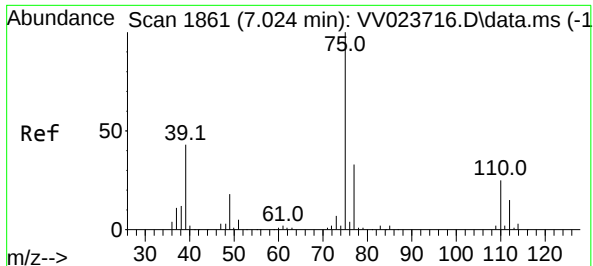
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.4	60.2	90.2#
98	1.2	41.0	61.4#



#37
1,2-Dichloropropane
Concen: 0.556 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.096 min
Lab File: VV023727.D
Acq: 26 Nov 2021 15:47

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.0	4.3	6.5#





#39

cis-1,3-Dichloropropene

Concen: 0.099 ug/L

RT: 6.989 min Scan# 11

Delta R.T. -0.035 min

Lab File: VV023727.D

Acq: 26 Nov 2021 15:47

Instrument :

MSVOA_V

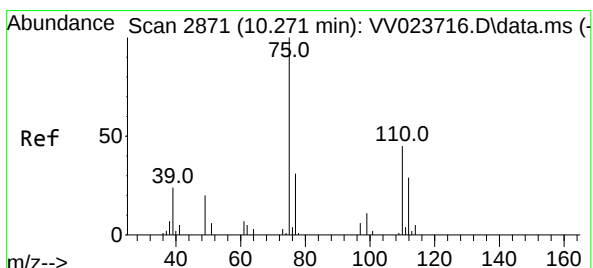
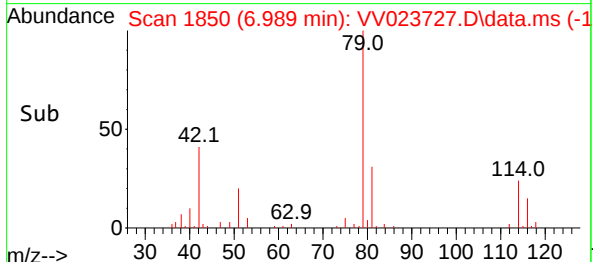
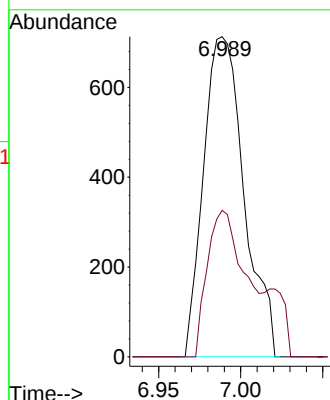
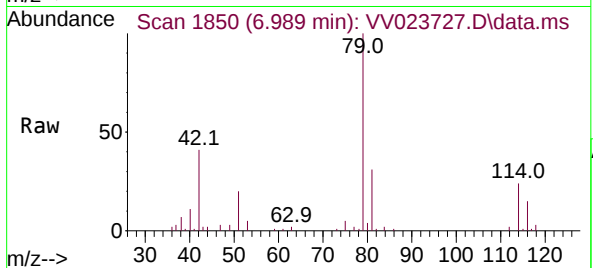
ClientSampleId :

Tgt Ion: 75 Resp: 1226

Ion Ratio Lower Upper

75 100

77 45.7 22.0 41.0#



#61

1,2,3-Trichloropropane

Concen: 1.364 ug/L

RT: 11.246 min Scan# 3174

Delta R.T. 0.974 min

Lab File: VV023727.D

Acq: 26 Nov 2021 15:47

Tgt Ion: 75 Resp: 5740

Ion Ratio Lower Upper

75 100

77 37.0 26.4 39.6

110 2.1 34.2 51.2#

