

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102221\
 Data File : VW022967.D
 Acq On : 21 Oct 2021 20:25
 Operator : SY/MD
 Sample : M4137-08DL 5X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 22 04:57:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100721WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 22 04:55:17 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	128016	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	130445	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	54562	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	40591	4.609	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.200%
7) Chloroethane-d5	1.564	69	35125	4.438	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.800%
11) 1,1-Dichloroethene-d2	2.105	63	53799	3.114	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.200%
20) 2-Butanone-d5	3.902	46	65337	28.292	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	56.580%
24) Chloroform-d	4.349	84	90074	4.963	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.200%
26) 1,2-Dichloroethane-d4	5.034	65	40226	4.566	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.400%
32) Benzene-d6	5.050	84	178205	4.589	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.800%
36) 1,2-Dichloropropane-d6	6.069	67	57216	4.975	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.600%
41) Toluene-d8	7.317	98	143212	4.266	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.400%
43) trans-1,3-Dichloroprop...	7.629	79	15695	4.114	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.200%
46) 2-Hexanone-d5	8.092	63	68151	44.329	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.660%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	37068	4.758	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.200%
66) 1,2-Dichlorobenzene-d4	11.625	152	53445	5.283	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.236	50	576	0.061	ug/L #	42
5) Vinyl chloride	1.307	62	1369	0.141	ug/L #	57
6) Bromomethane	1.519	94	244	0.040	ug/L	72
12) 1,1-Dichloroethene	2.105	96	644	0.083	ug/L #	1
17) Methyl tert-butyl Ether	2.767	73	2717	0.145	ug/L #	86
18) trans-1,2-Dichloroethene	2.761	96	2180	0.259	ug/L #	73
22) cis-1,2-Dichloroethene	3.912	96	66523	7.534	ug/L	94
27) 1,2-Dichloroethane	5.047	62	1050	0.120	ug/L #	69
34) Trichloroethene	5.921	95	4793	0.502	ug/L	91
35) Methylcyclohexane	6.069	83	13353	0.998	ug/L #	16
37) 1,2-Dichloropropane	6.069	63	6139	0.727	ug/L #	84
39) cis-1,3-Dichloropropene	6.985	75	1204	0.108	ug/L #	70
42) Toluene	7.397	91	9040	0.253	ug/L	96
47) Tetrachloroethene	7.976	164	19171	2.481	ug/L	97
48) 2-Hexanone	8.146	43	3789	1.141	ug/L #	92
49) Dibromochloromethane	7.976	129	16883	2.300	ug/L #	7
61) 1,2,3-Trichloropropane	11.185	75	249	0.066	ug/L #	37
65) 1,4-Dichlorobenzene	11.278	146	749	0.051	ug/L	83
67) 1,2-Dichlorobenzene	11.644	146	833	0.061	ug/L #	70

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ClientSampleId :

Quant Time: Oct 22 04:57:10 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100721WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Oct 22 04:55:17 2021
Response via : Initial Calibration

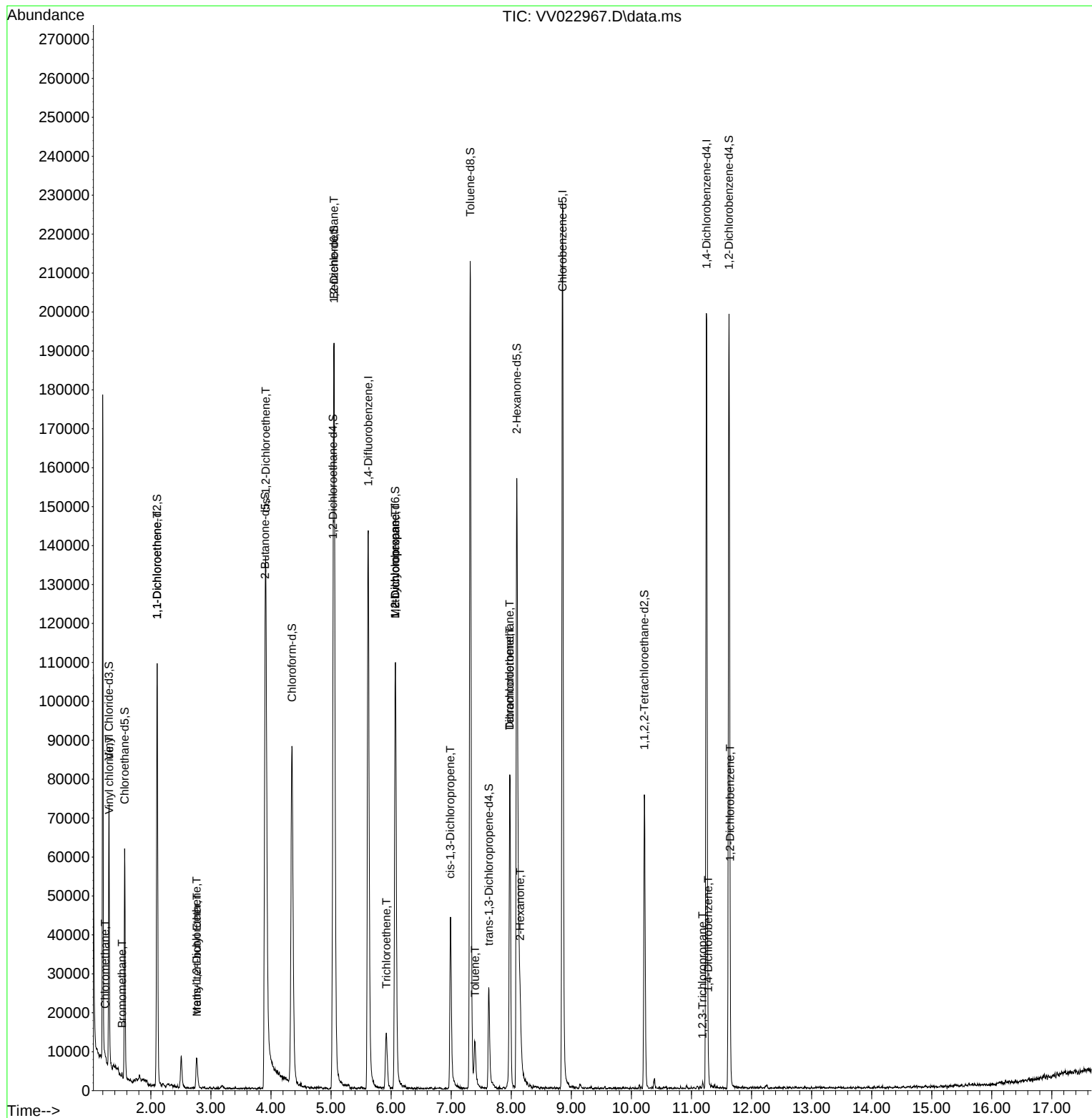
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

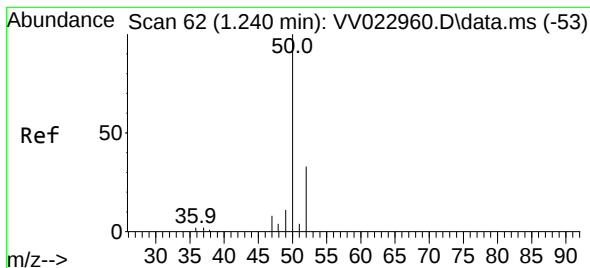
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.061 ug/L

RT: 1.236 min Scan# 61

Delta R.T. -0.003 min

Lab File: VV022967.D

Acq: 21 Oct 2021 20:25

Instrument :

MSVOA_V

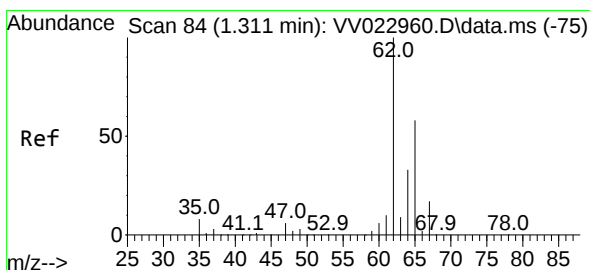
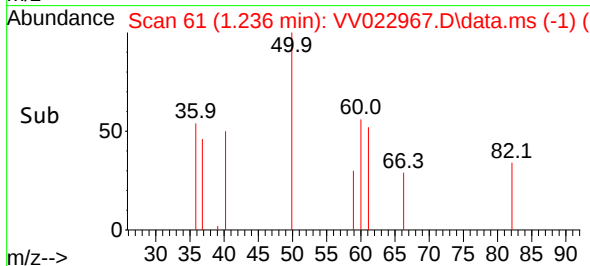
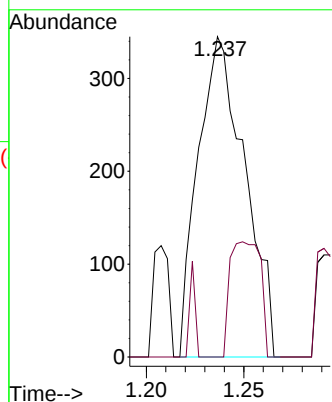
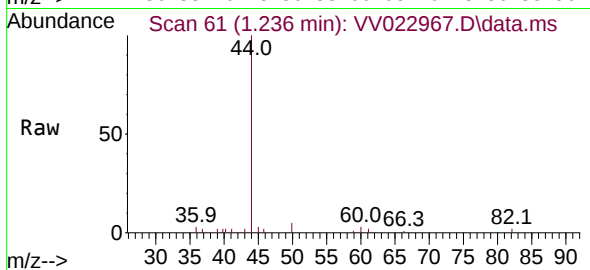
ClientSampleId :

Tgt Ion: 50 Resp: 576

Ion Ratio Lower Upper

50 100

52 0.0 22.9 42.5#



#5

Vinyl chloride

Concen: 0.141 ug/L

RT: 1.307 min Scan# 83

Delta R.T. -0.003 min

Lab File: VV022967.D

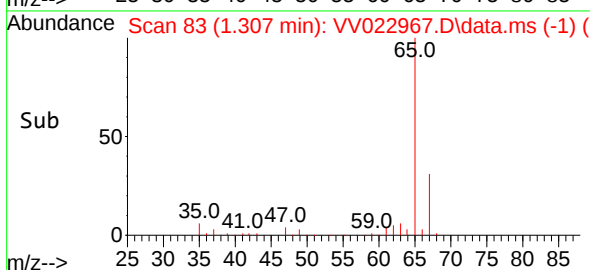
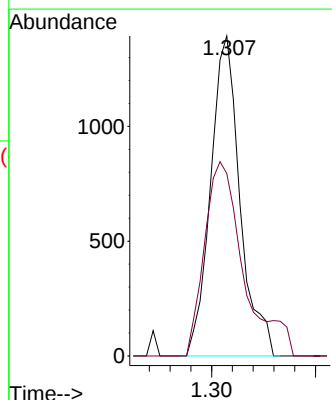
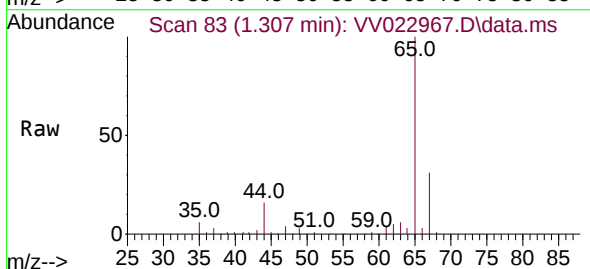
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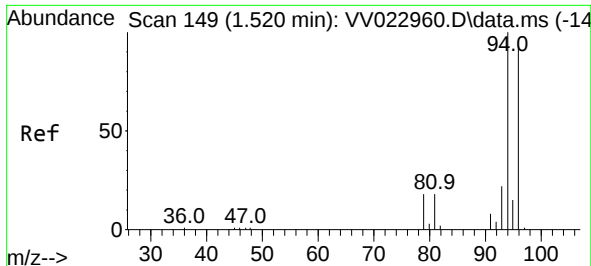
Tgt Ion: 62 Resp: 1369

Ion Ratio Lower Upper

62 100

64 57.0 23.0 42.8#

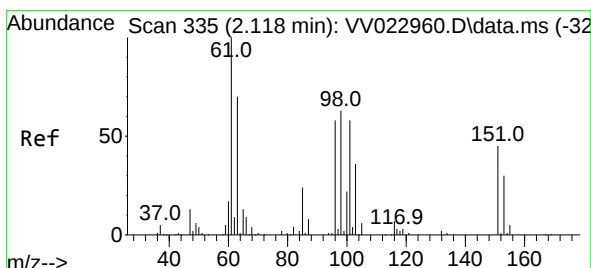
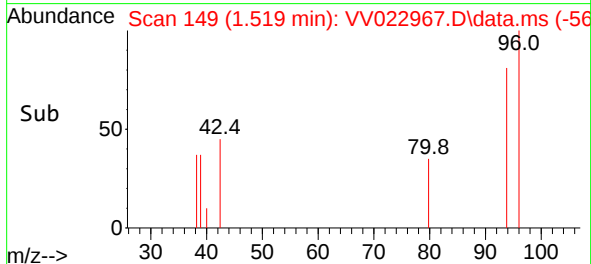
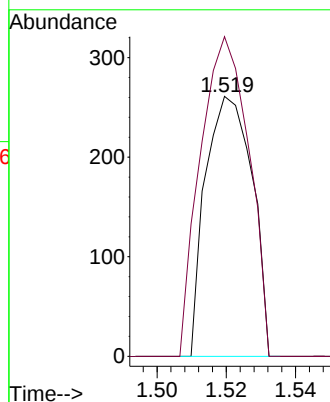
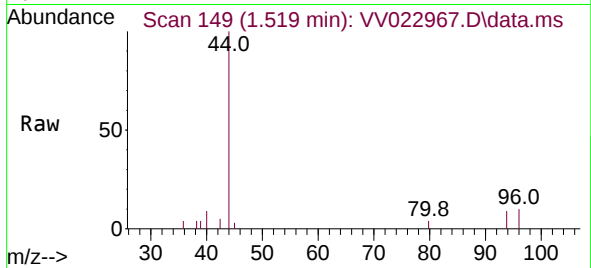




#6
Bromomethane
Concen: 0.040 ug/L
RT: 1.519 min Scan# 14
Delta R.T. -0.000 min
Lab File: VV022967.D
Acq: 21 Oct 2021 20:25

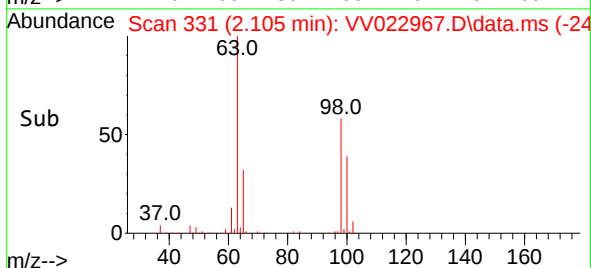
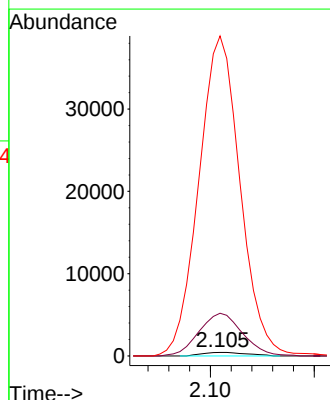
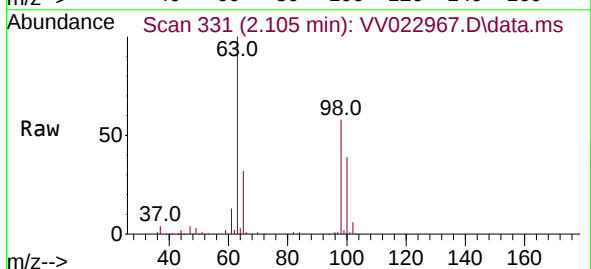
Instrument :
MSVOA_V
ClientSampleId :

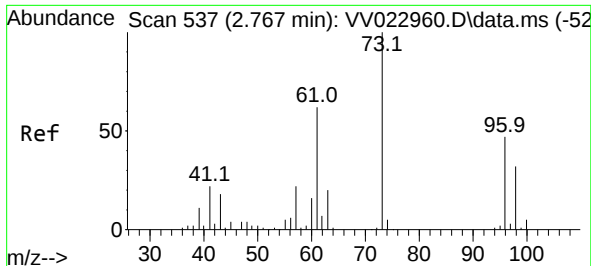
Tgt Ion: 94 Resp: 244
Ion Ratio Lower Upper
94 100
96 123.0 67.2 124.8



#12
1,1-Dichloroethene
Concen: 0.083 ug/L
RT: 2.105 min Scan# 331
Delta R.T. -0.013 min
Lab File: VV022967.D
Acq: 21 Oct 2021 20:25

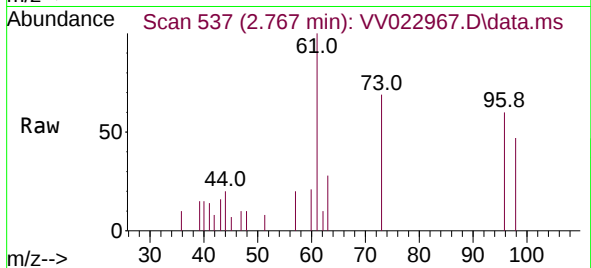
Tgt Ion: 96 Resp: 644
Ion Ratio Lower Upper
96 100
61 1193.6 127.3 236.5#
63 8939.8 106.2 197.2#





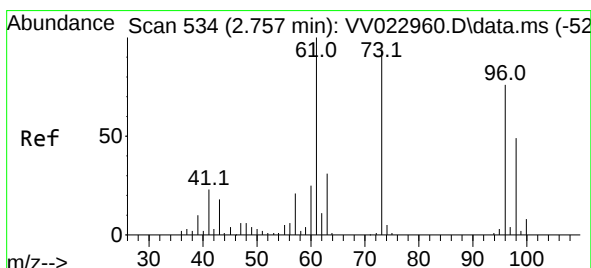
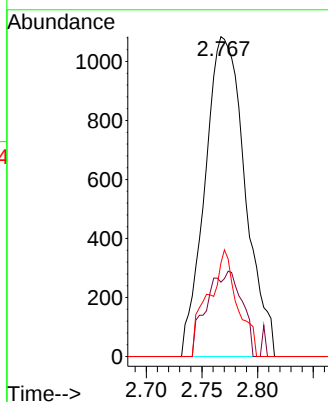
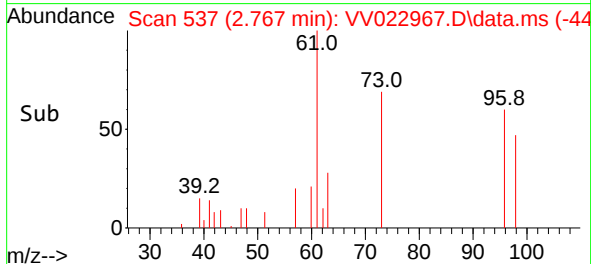
#17
Methyl tert-butyl Ether
Concen: 0.145 ug/L
RT: 2.767 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV022967.D
Acq: 21 Oct 2021 20:25

Instrument :
MSVOA_V
ClientSampleId :

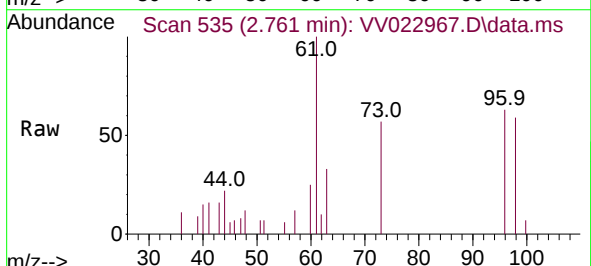


Tgt Ion: 73 Resp: 2717

Ion	Ratio	Lower	Upper
73	100		
43	11.1	17.1	25.7#
57	24.3	17.2	25.8

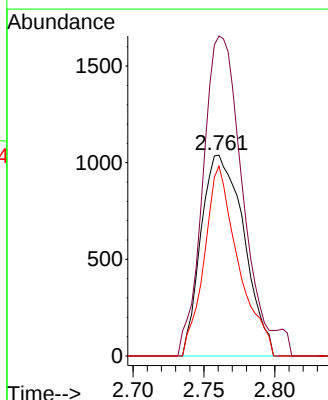
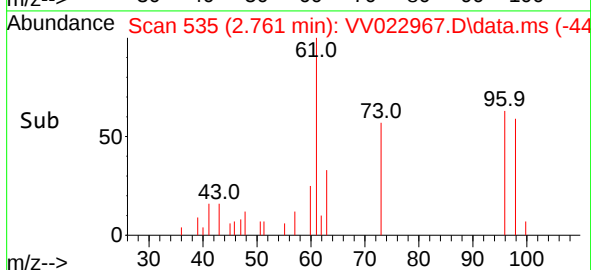


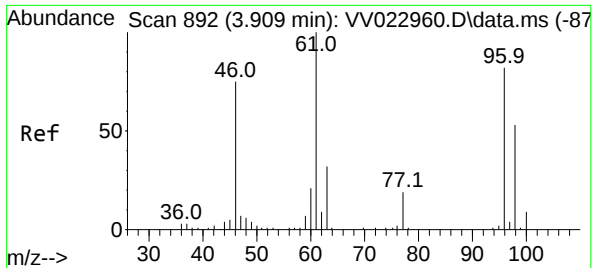
#18
trans-1,2-Dichloroethene
Concen: 0.259 ug/L
RT: 2.761 min Scan# 535
Delta R.T. 0.003 min
Lab File: VV022967.D
Acq: 21 Oct 2021 20:25



Tgt Ion: 96 Resp: 2180

Ion	Ratio	Lower	Upper
96	100		
61	159.4	94.5	175.5
98	94.5	44.2	82.0#

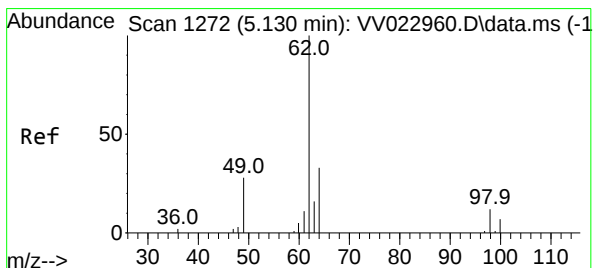
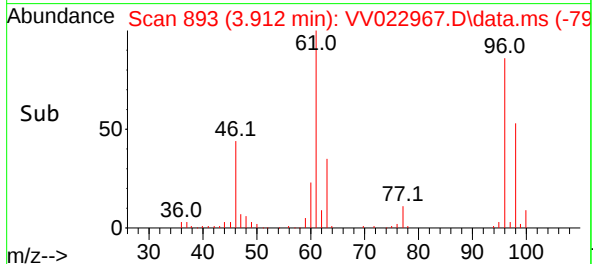
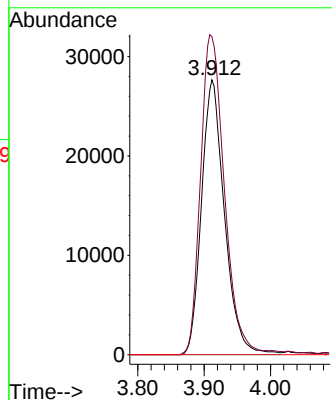
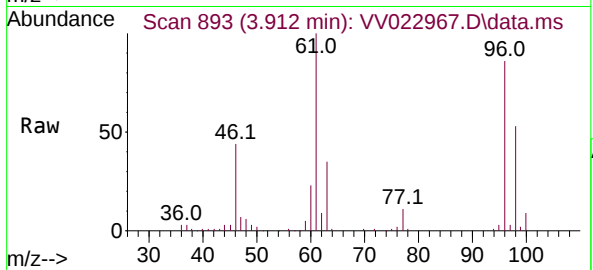




#22
 cis-1,2-Dichloroethene
 Concen: 7.534 ug/L
 RT: 3.912 min Scan# 892
 Delta R.T. 0.003 min
 Lab File: VV022967.D
 Acq: 21 Oct 2021 20:25

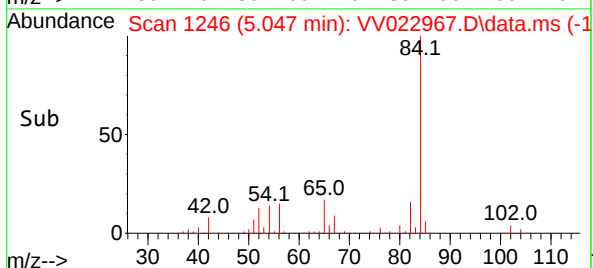
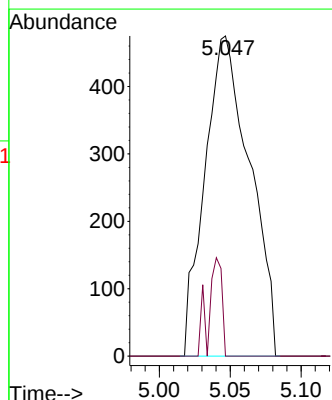
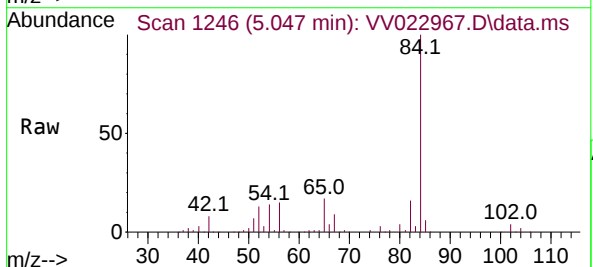
Instrument :
 MSVOA_V
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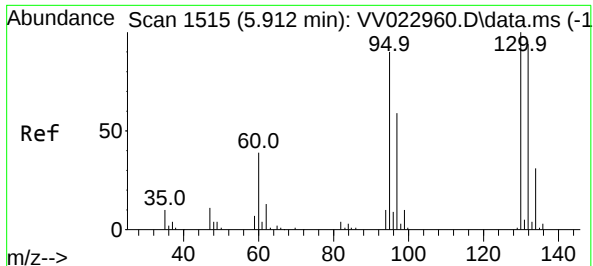
Tgt Ion: 96 Resp: 66523
 Ion Ratio Lower Upper
 96 100
 61 115.6 86.0 159.6
 68 0.0 0.0 0.0



#27
 1,2-Dichloroethane
 Concen: 0.120 ug/L
 RT: 5.047 min Scan# 1246
 Delta R.T. -0.084 min
 Lab File: VV022967.D
 Acq: 21 Oct 2021 20:25

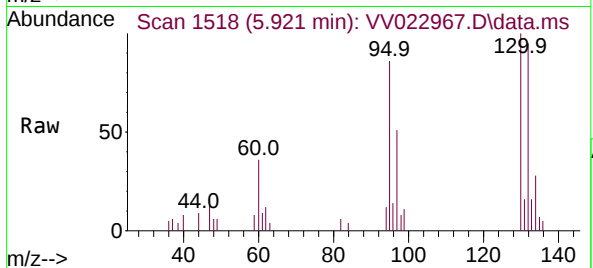
Tgt Ion: 62 Resp: 1050
 Ion Ratio Lower Upper
 62 100
 98 0.0 9.7 14.5#



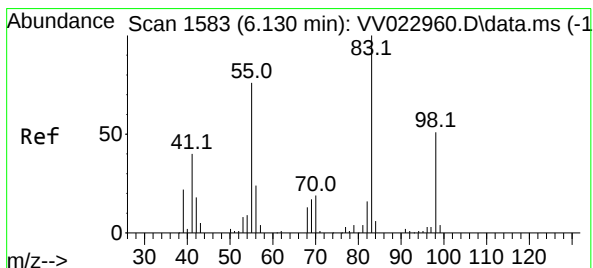
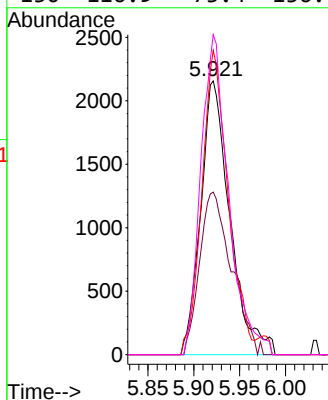
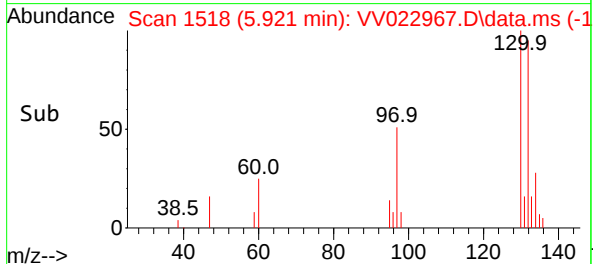


#34
Trichloroethene
Concen: 0.502 ug/L
RT: 5.921 min Scan# 11
Delta R.T. 0.010 min
Lab File: VV022967.D
Acq: 21 Oct 2021 20:25

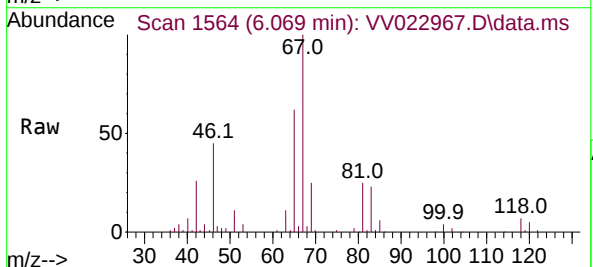
Instrument :
MSVOA_V
ClientSampleId :



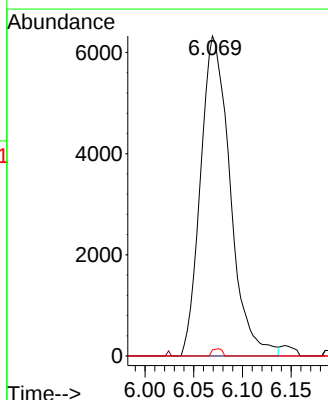
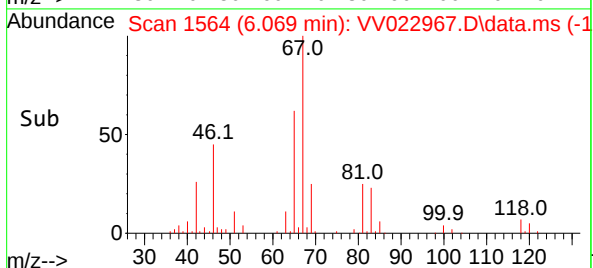
Tgt Ion:	95	Resp:	4793
Ion	Ratio	Lower	Upper
95	100		
97	59.4	45.8	85.2
132	111.1	72.2	134.0
130	116.9	73.4	136.4

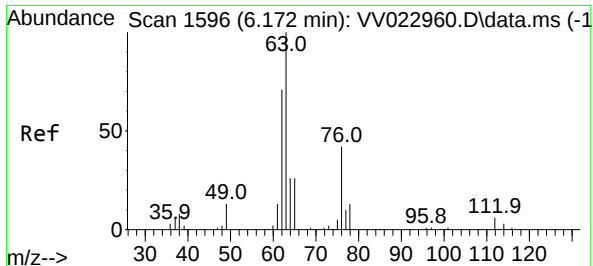


#35
Methylcyclohexane
Concen: 0.998 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.061 min
Lab File: VV022967.D
Acq: 21 Oct 2021 20:25



Tgt Ion:	83	Resp:	13353
Ion	Ratio	Lower	Upper
83	100		
55	0.1	63.8	95.6#
98	0.7	42.1	63.1#





#37

1,2-Dichloropropane

Concen: 0.727 ug/L

RT: 6.069 min Scan# 11

Delta R.T. -0.103 min

Lab File: VV022967.D

Acq: 21 Oct 2021 20:25

Instrument :

MSVOA_V

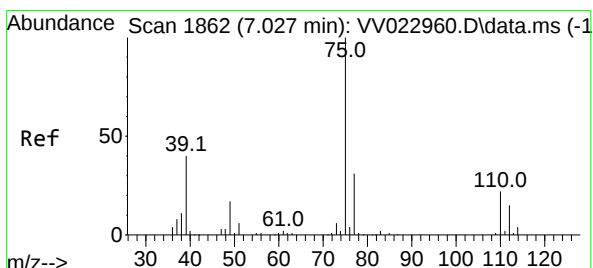
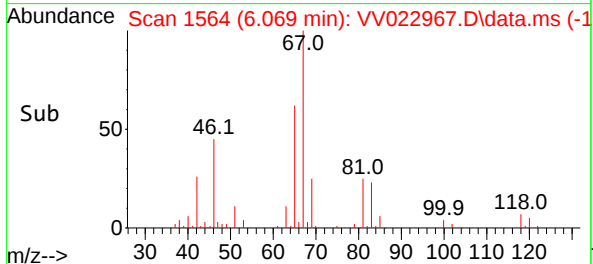
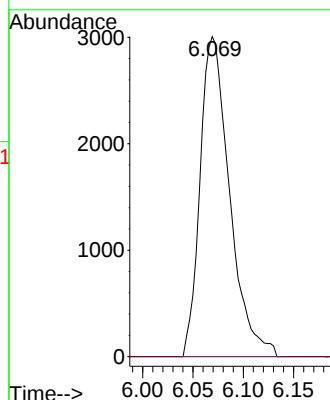
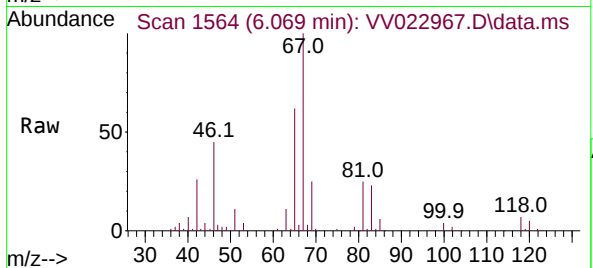
ClientSampleId :

Tgt Ion: 63 Resp: 6139

Ion Ratio Lower Upper

63 100

112 0.0 4.4 6.6#



#39

cis-1,3-Dichloropropene

Concen: 0.108 ug/L

RT: 6.985 min Scan# 1849

Delta R.T. -0.042 min

Lab File: VV022967.D

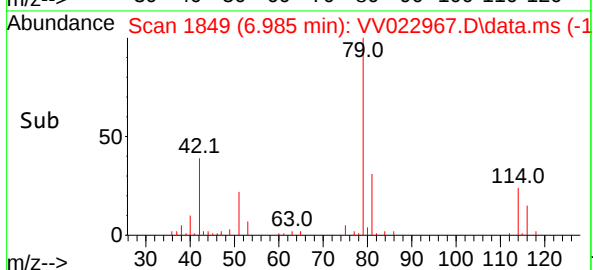
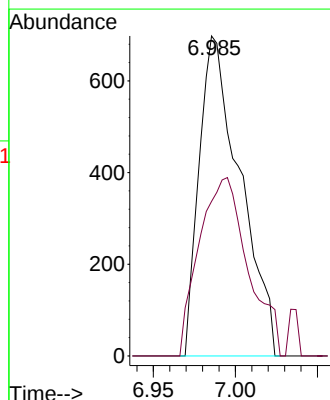
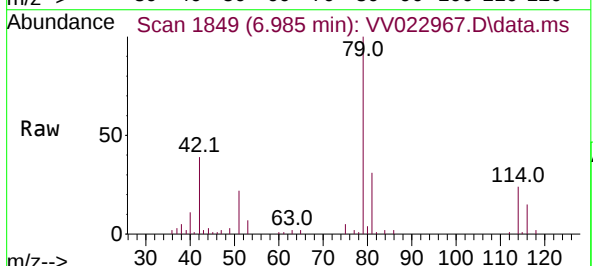
Acq: 21 Oct 2021 20:25

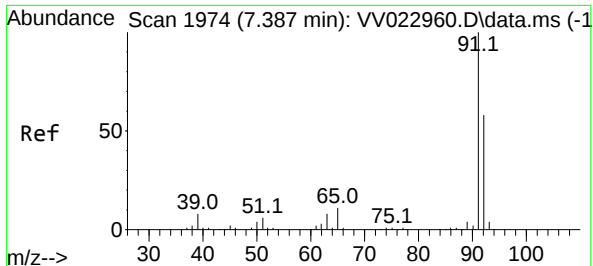
Tgt Ion: 75 Resp: 1204

Ion Ratio Lower Upper

75 100

77 48.3 22.3 41.3#





#42

Toluene

Concen: 0.253 ug/L

RT: 7.397 min Scan# 1974

Delta R.T. 0.010 min

Lab File: VV022967.D

Acq: 21 Oct 2021 20:25

Instrument :

MSVOA_V

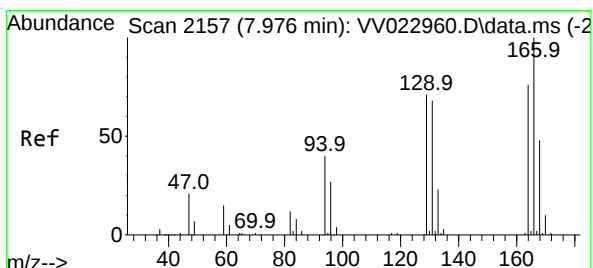
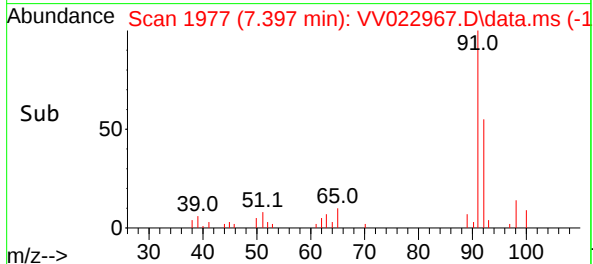
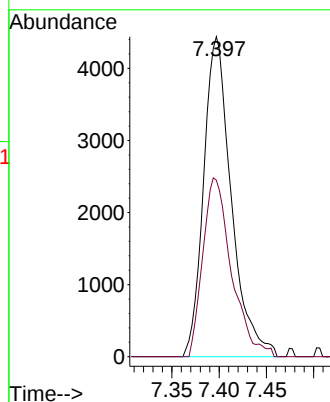
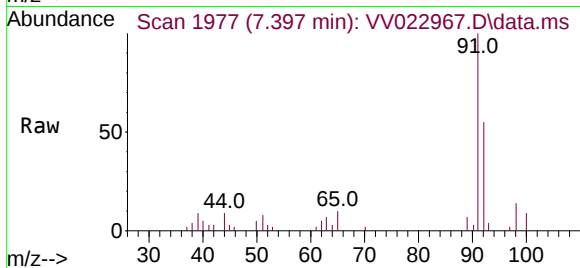
ClientSampleId :

Tgt Ion: 91 Resp: 9040

Ion Ratio Lower Upper

91 100

92 55.1 40.7 75.7



#47

Tetrachloroethene

Concen: 2.481 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.000 min

Lab File: VV022967.D

Acq: 21 Oct 2021 20:25

Tgt Ion: 164 Resp: 19171

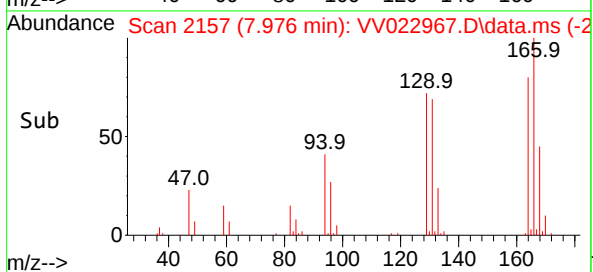
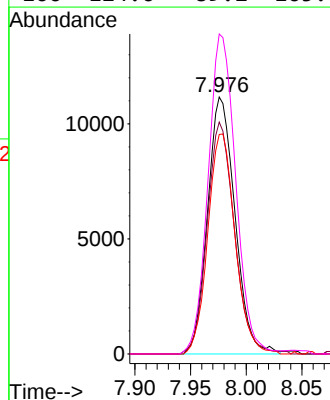
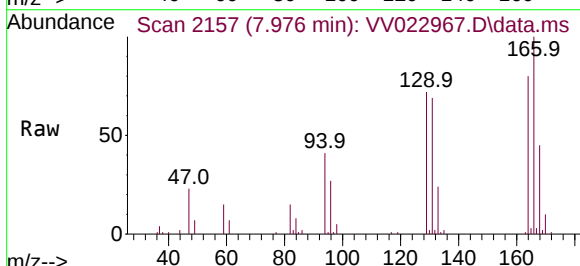
Ion Ratio Lower Upper

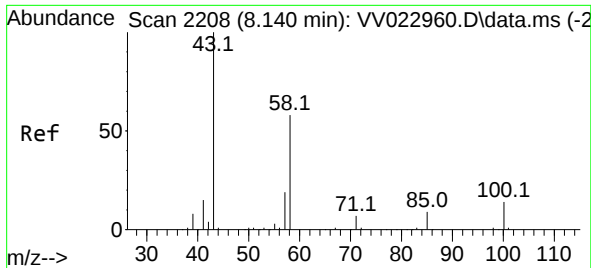
164 100

129 90.3 65.0 120.6

131 85.5 62.2 115.4

166 124.6 89.2 165.8

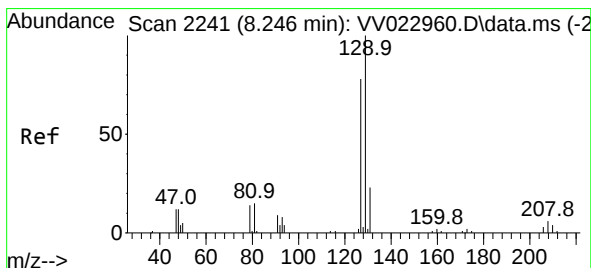
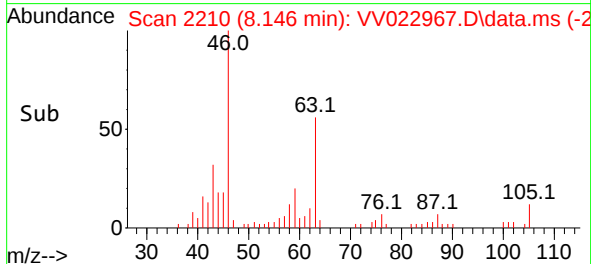
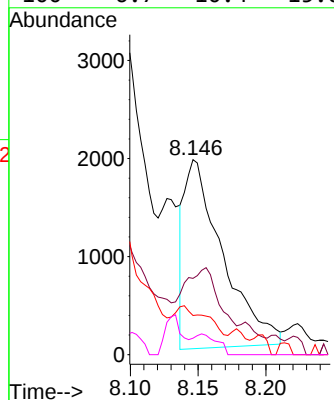
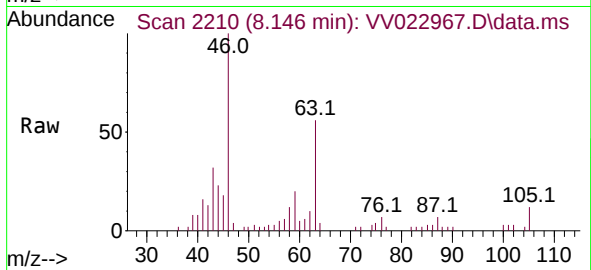




#48
2-Hexanone
Concen: 1.141 ug/L
RT: 8.146 min Scan# 2110
Delta R.T. 0.006 min
Lab File: VV022967.D
Acq: 21 Oct 2021 20:25

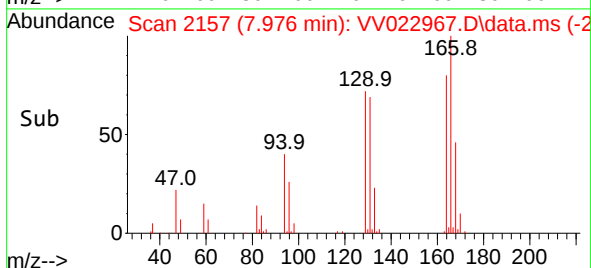
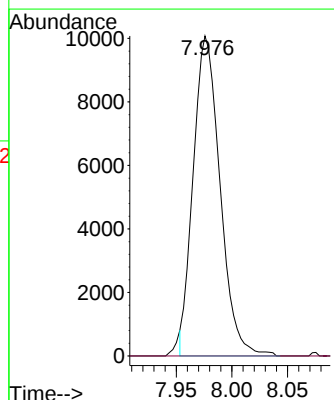
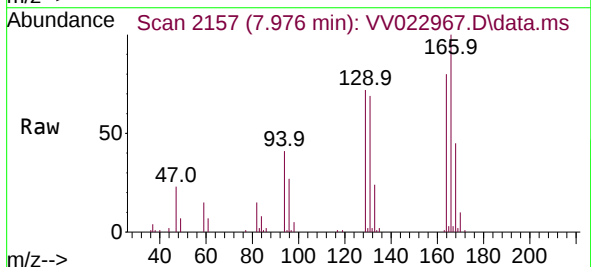
Instrument :
MSVOA_V
ClientSampleId :

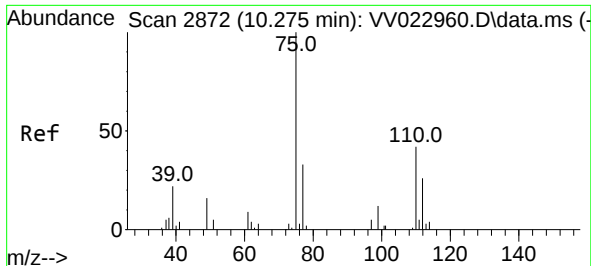
Tgt Ion: 43	Resp: 3789
Ion Ratio	Lower Upper
43 100	
58 57.0	47.4 71.0
57 26.6	15.3 22.9#
100 6.7	10.4 15.6#



#49
Dibromochloromethane
Concen: 2.300 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.270 min
Lab File: VV022967.D
Acq: 21 Oct 2021 20:25

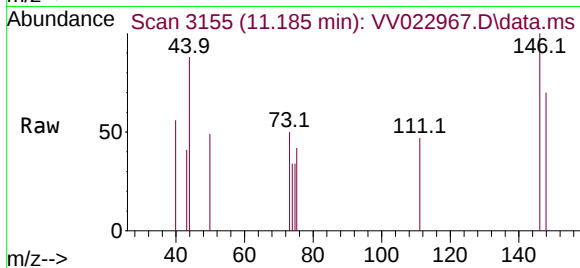
Tgt Ion:129	Resp: 16883		
Ion Ratio	Lower	Upper	
129 100			
127 0.0	59.1	109.9#	



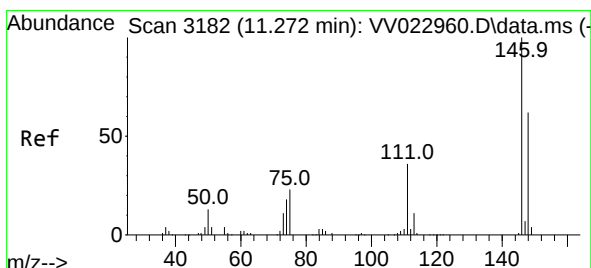
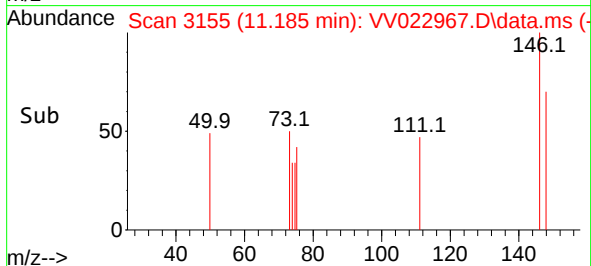
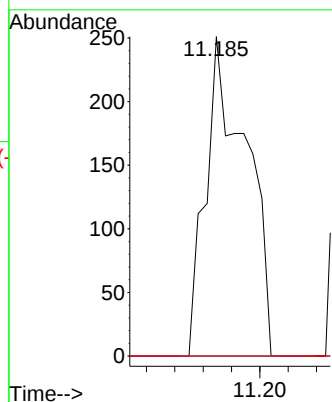


#61
1,2,3-Trichloropropane
Concen: 0.066 ug/L
RT: 11.185 min Scan# 3155
Delta R.T. 0.910 min
Lab File: VV022967.D
Acq: 21 Oct 2021 20:25

Instrument :
MSVOA_V
ClientSampleId :

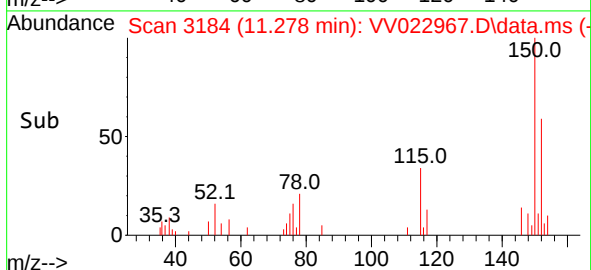
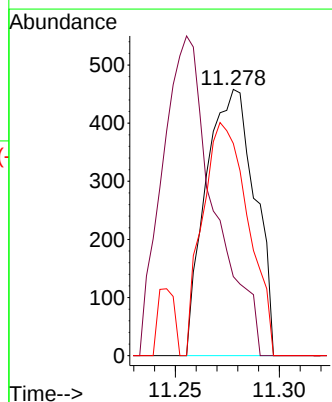
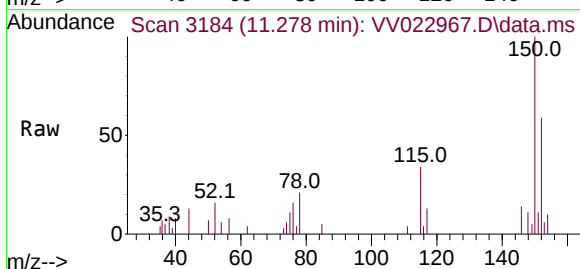


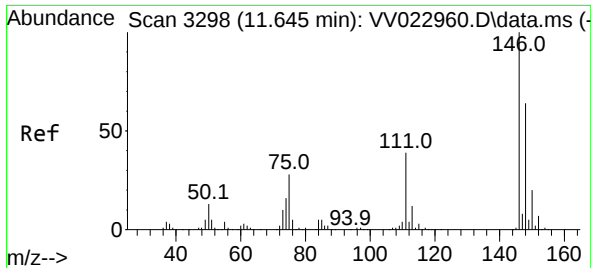
Tgt Ion: 75 Resp: 249
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#
110 0.0 34.2 51.4#



#65
1,4-Dichlorobenzene
Concen: 0.051 ug/L
RT: 11.278 min Scan# 3184
Delta R.T. 0.006 min
Lab File: VV022967.D
Acq: 21 Oct 2021 20:25

Tgt Ion: 146 Resp: 749
Ion Ratio Lower Upper
146 100
111 29.7 25.6 47.4
148 79.7 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 0.061 ug/L

RT: 11.644 min Scan# 31

Delta R.T. -0.000 min

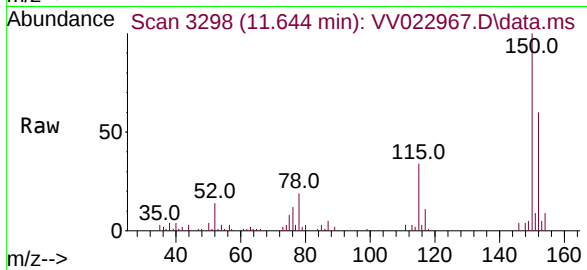
Lab File: VV022967.D

Acq: 21 Oct 2021 20:25

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:	146	Resp:	833
Ion	Ratio	Lower	Upper
146	100		
111	63.1	32.3	48.5#
148	85.7	52.1	78.1#

