

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102621\
 Data File : VW023036.D
 Acq On : 26 Oct 2021 14:04
 Operator : SY/MD
 Sample : M4278-06
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 27 01:32:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102221WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 27 01:29:33 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	118780	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	140557	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	60089	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	52689	5.076	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	101.600%	
7) Chloroethane-d5	1.568	69	34973	5.447	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	109.000%	
11) 1,1-Dichloroethene-d2	2.108	63	49346	3.296	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	66.000%	
20) 2-Butanone-d5	3.889	46	74677	44.852	ug/L	-0.02
Spiked Amount	50.000	Range 40 - 130	Recovery	=	89.700%	
24) Chloroform-d	4.352	84	75924	4.500	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	90.000%	
26) 1,2-Dichloroethane-d4	5.034	65	38043	4.783	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	95.600%	
32) Benzene-d6	5.053	84	163590	3.987	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	79.800%	
36) 1,2-Dichloropropane-d6	6.072	67	49212	3.896	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	78.000%	
41) Toluene-d8	7.317	98	162382	4.405	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	88.200%	
43) trans-1,3-Dichloroprop...	7.625	79	20229	4.570	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	91.400%	
46) 2-Hexanone-d5	8.092	63	72218	44.071	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	88.140%	
56) 1,1,2,2-Tetrachloroeth...	10.217	84	39169	4.490	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	89.800%	
66) 1,2-Dichlorobenzene-d4	11.625	152	61004	5.690	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	113.800%	
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.310	62	1131	0.134	ug/L #	20
8) Chloroethane	1.307	64	929	0.211	ug/L #	1
12) 1,1-Dichloroethene	2.111	96	594	0.098	ug/L #	1
13) Acetone	2.188	43	8113	9.932	ug/L	97
17) Methyl tert-butyl Ether	2.770	73	3585	0.247	ug/L #	78
22) cis-1,2-Dichloroethene	3.912	96	37090	5.039	ug/L #	86
25) Chloroform	4.378	83	5460	0.346	ug/L	95
34) Trichloroethene	5.918	95	11585	1.219	ug/L	95
35) Methylcyclohexane	6.072	83	12261	0.901	ug/L #	18
37) 1,2-Dichloropropane	6.072	63	5651	0.593	ug/L #	83
39) cis-1,3-Dichloropropene	6.985	75	1313	0.111	ug/L #	52
42) Toluene	7.403	91	6942	0.181	ug/L	95
47) Tetrachloroethene	7.979	164	60328	7.515	ug/L	97
48) 2-Hexanone	8.149	43	7444	2.234	ug/L #	83
49) Dibromochloromethane	7.976	129	53449	6.735	ug/L #	10
64) 1,3-Dichlorobenzene	11.194	146	1106	0.069	ug/L	82
65) 1,4-Dichlorobenzene	11.278	146	1183	0.073	ug/L	91
67) 1,2-Dichlorobenzene	11.648	146	1232	0.083	ug/L #	83

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102221WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Oct 27 01:29:33 2021
Response via : Initial Calibration

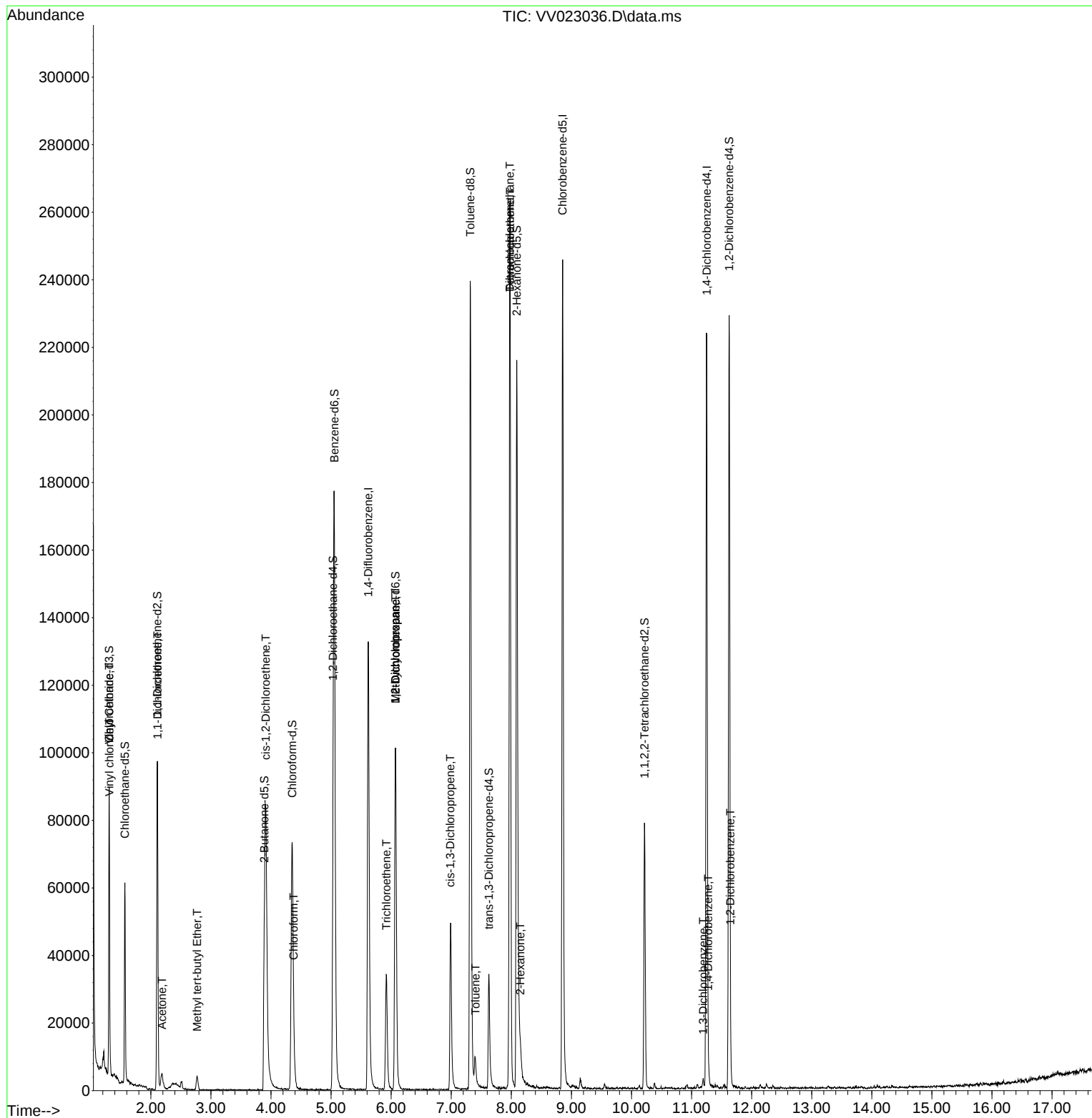
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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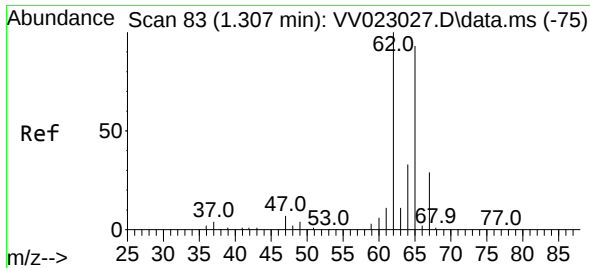
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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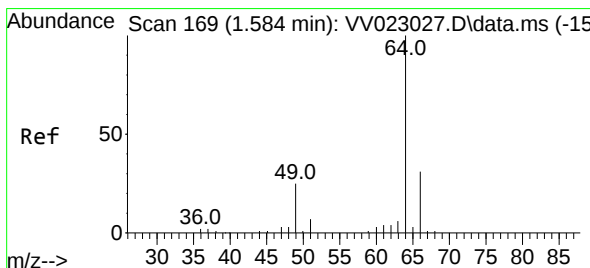
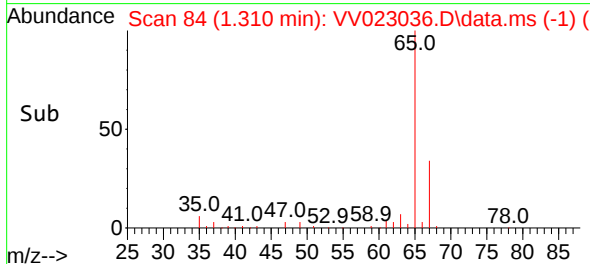
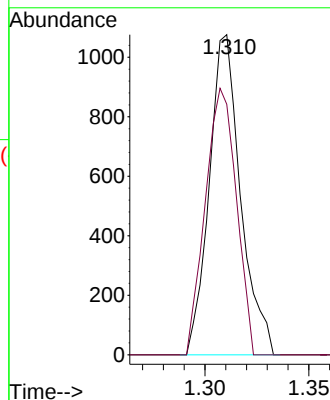
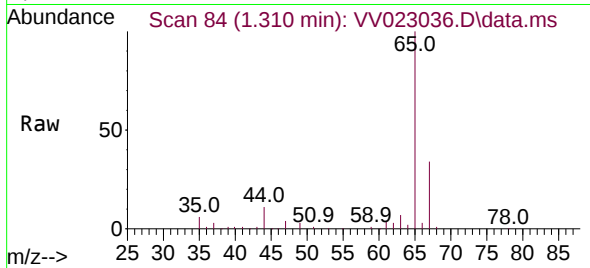




#5
 Vinyl chloride
 Concen: 0.134 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV023036.D
 Acq: 26 Oct 2021 14:04

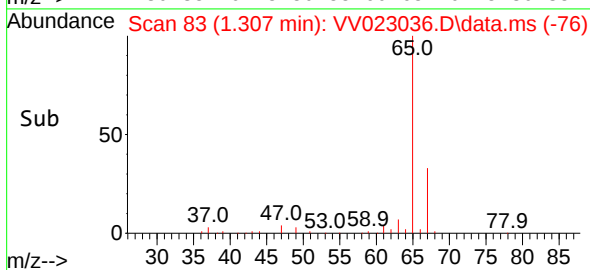
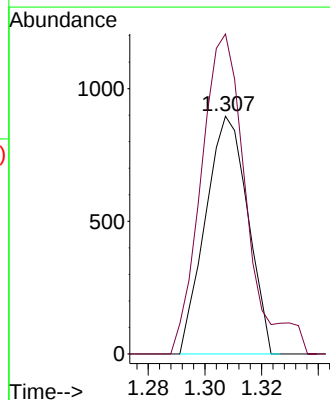
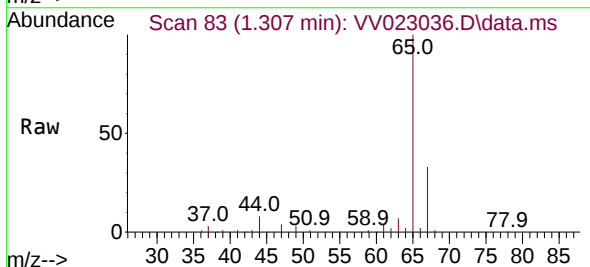
Instrument :
 MSVOA_V
 ClientSampleId :

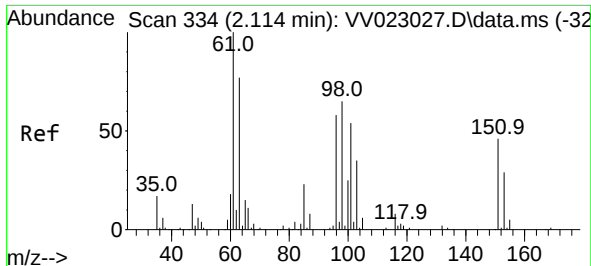
Tgt Ion: 62 Resp: 1131
 Ion Ratio Lower Upper
 62 100
 64 78.3 23.1 42.9#



#8
 Chloroethane
 Concen: 0.211 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. -0.277 min
 Lab File: VV023036.D
 Acq: 26 Oct 2021 14:04

Tgt Ion: 64 Resp: 929
 Ion Ratio Lower Upper
 64 100
 66 134.6 22.1 41.1#





#12

1,1-Dichloroethene

Concen: 0.098 ug/L

RT: 2.111 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV023036.D

Acq: 26 Oct 2021 14:04

Instrument :

MSVOA_V

ClientSampleId :

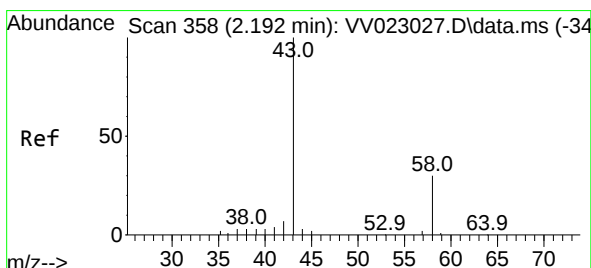
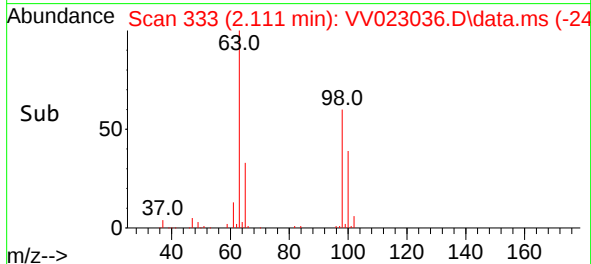
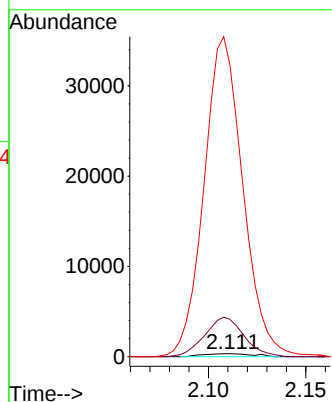
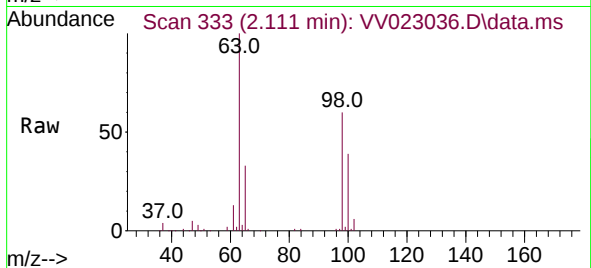
Tgt Ion: 96 Resp: 594

Ion Ratio Lower Upper

96 100

61 1249.7 121.5 225.7#

63 9789.1 99.6 185.0#



#13

Acetone

Concen: 9.932 ug/L

RT: 2.188 min Scan# 357

Delta R.T. -0.003 min

Lab File: VV023036.D

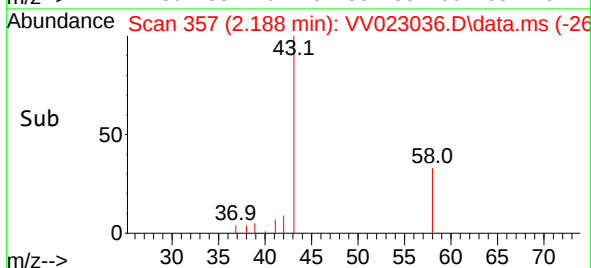
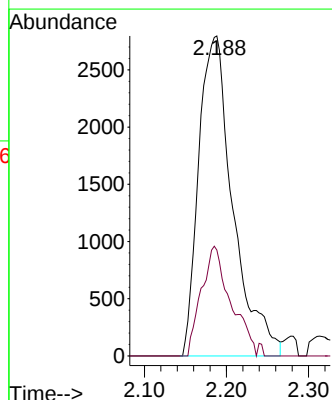
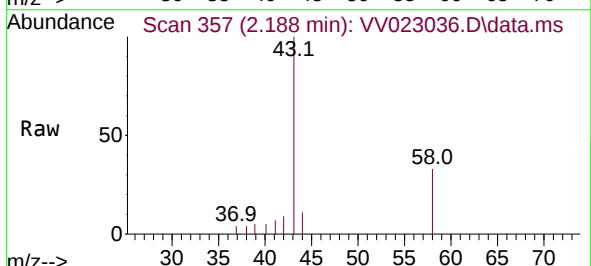
Acq: 26 Oct 2021 14:04

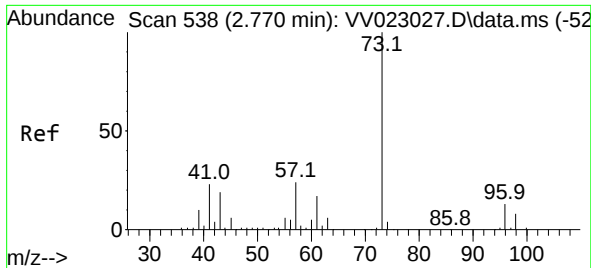
Tgt Ion: 43 Resp: 8113

Ion Ratio Lower Upper

43 100

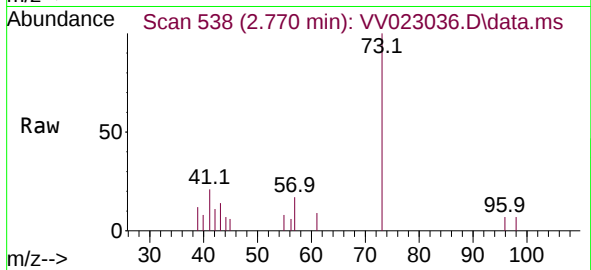
58 29.5 0.0 55.4



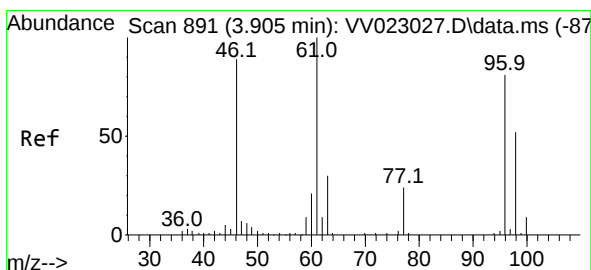
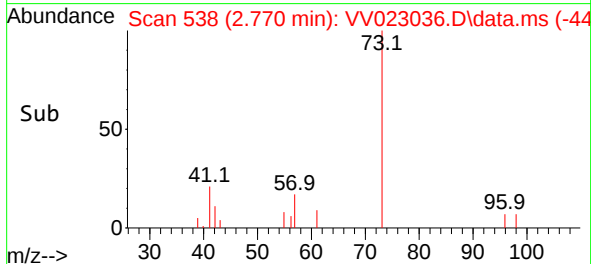
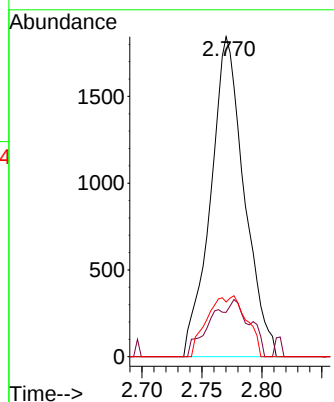


#17
Methyl tert-butyl Ether
Concen: 0.247 ug/L
RT: 2.770 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV023036.D
Acq: 26 Oct 2021 14:04

Instrument :
MSVOA_V
ClientSampleId :

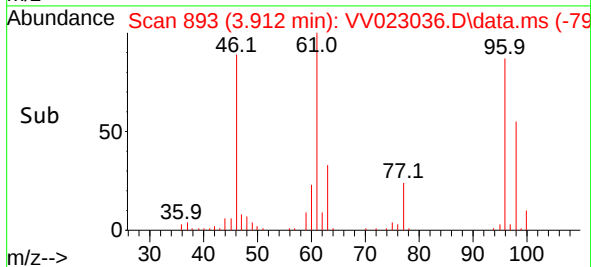
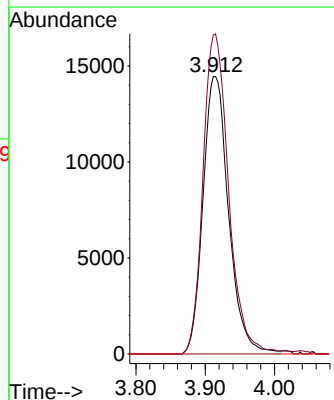
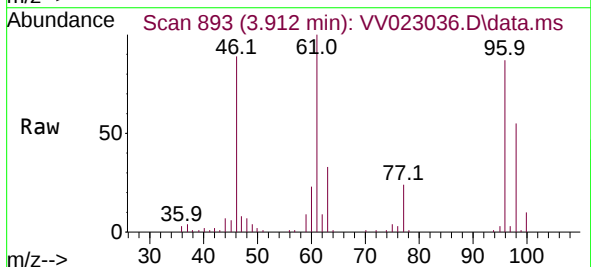


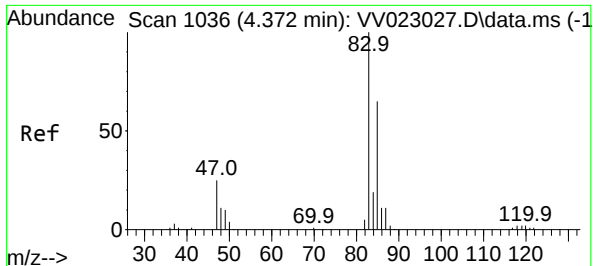
Tgt Ion: 73 Resp: 3585
Ion Ratio Lower Upper
73 100
43 10.0 17.4 26.0#
57 11.8 16.5 24.7#



#22
cis-1,2-Dichloroethene
Concen: 5.039 ug/L
RT: 3.912 min Scan# 893
Delta R.T. 0.006 min
Lab File: VV023036.D
Acq: 26 Oct 2021 14:04

Tgt Ion: 96 Resp: 37090
Ion Ratio Lower Upper
96 100
61 115.0 92.3 171.3
68 0.0 0.4 0.8#





#25

Chloroform

Concen: 0.346 ug/L

RT: 4.378 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV023036.D

Acq: 26 Oct 2021 14:04

Instrument :

MSVOA_V

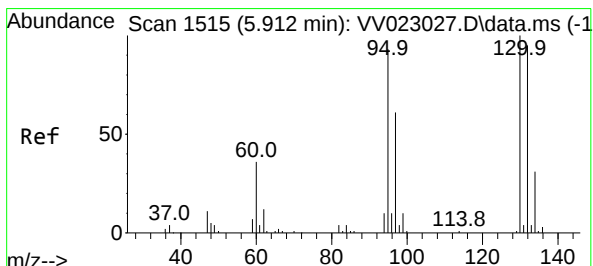
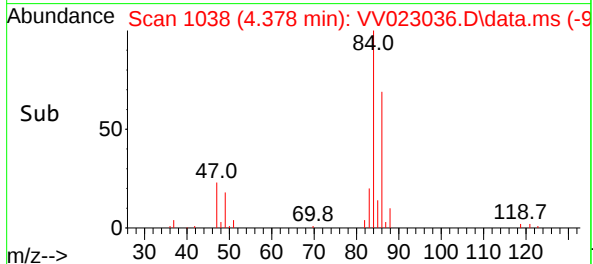
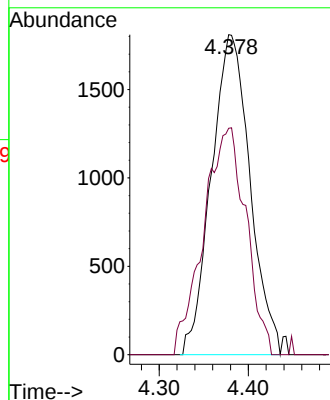
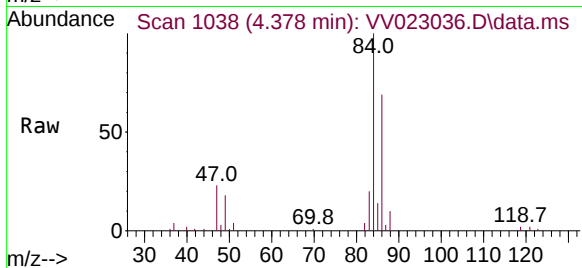
ClientSampleId :

Tgt Ion: 83 Resp: 5460

Ion Ratio Lower Upper

83 100

85 70.8 46.8 86.8



#34

Trichloroethene

Concen: 1.219 ug/L

RT: 5.918 min Scan# 1517

Delta R.T. 0.006 min

Lab File: VV023036.D

Acq: 26 Oct 2021 14:04

Tgt Ion: 95 Resp: 11585

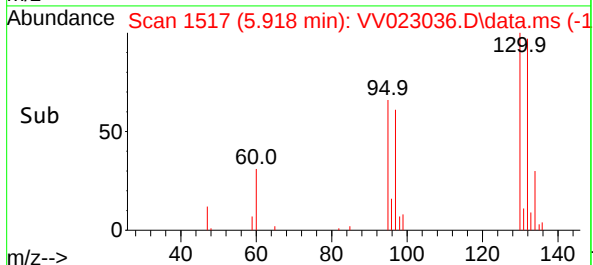
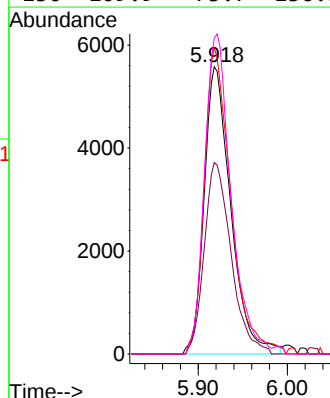
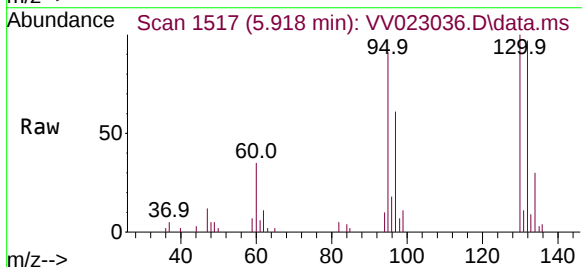
Ion Ratio Lower Upper

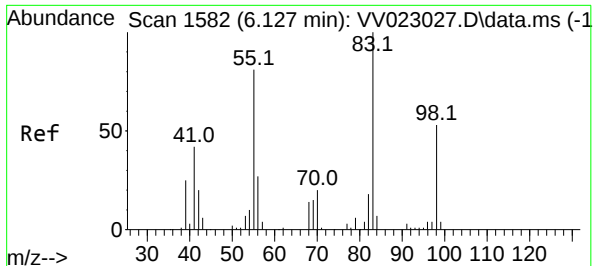
95 100

97 66.6 45.0 83.6

132 106.6 69.7 129.4

130 109.9 73.7 136.9





#35

Methylcyclohexane

Concen: 0.901 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.055 min

Lab File: VV023036.D

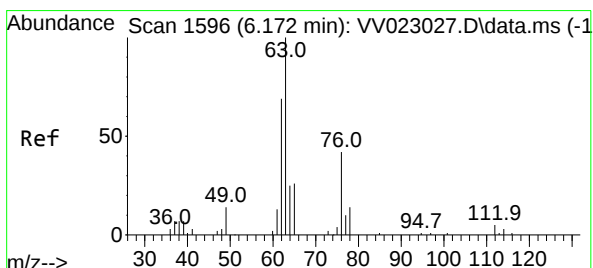
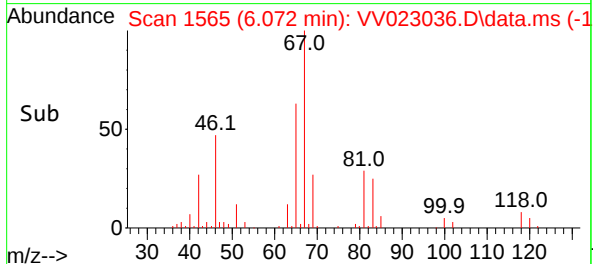
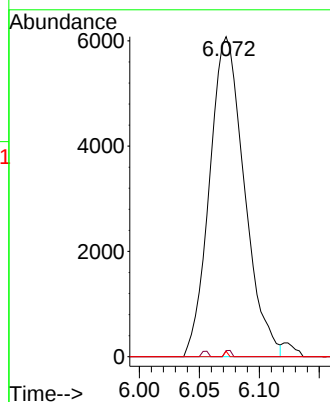
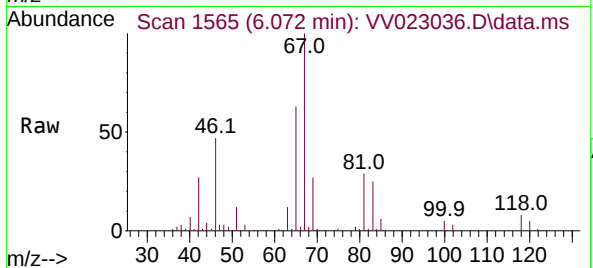
Acq: 26 Oct 2021 14:04

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 83	Resp: 12261
Ion Ratio	Lower Upper
83 100	
55 0.4	62.8 94.2#
98 0.0	37.9 56.9#



#37

1,2-Dichloropropane

Concen: 0.593 ug/L

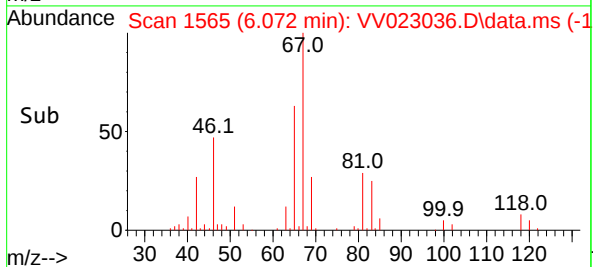
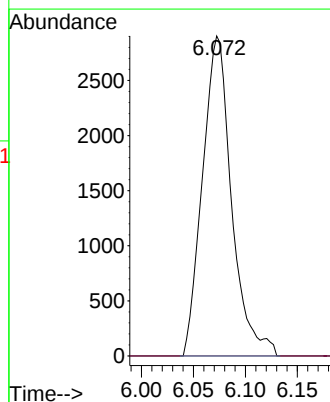
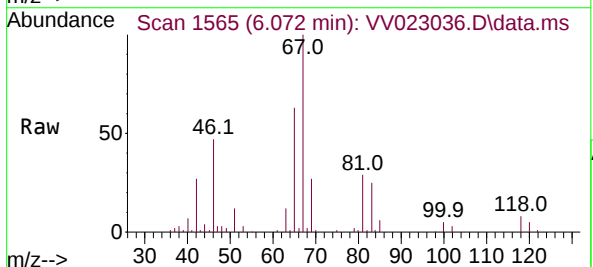
RT: 6.072 min Scan# 1565

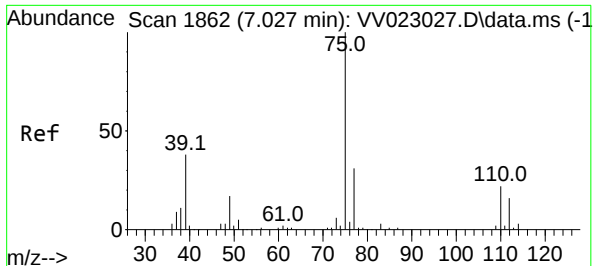
Delta R.T. -0.100 min

Lab File: VV023036.D

Acq: 26 Oct 2021 14:04

Tgt Ion: 63	Resp: 5651
Ion Ratio	Lower Upper
63 100	
112 0.0	4.6 6.8#





#39

cis-1,3-Dichloropropene

Concen: 0.111 ug/L

RT: 6.985 min Scan# 1849

Delta R.T. -0.042 min

Lab File: VV023036.D

Acq: 26 Oct 2021 14:04

Instrument :

MSVOA_V

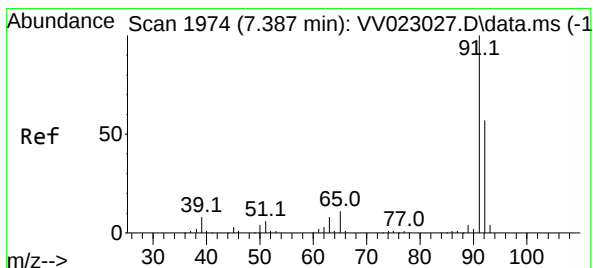
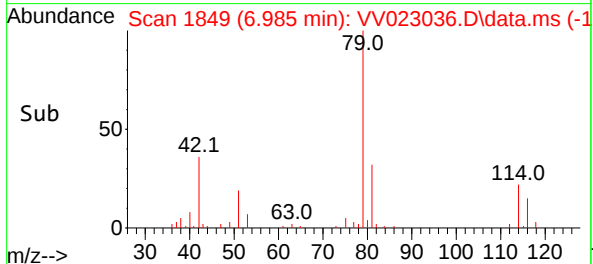
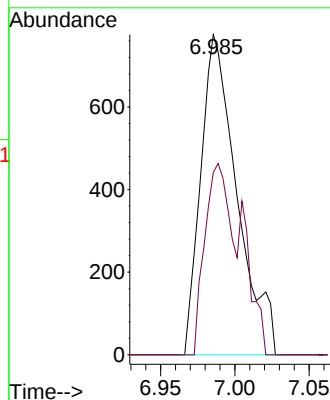
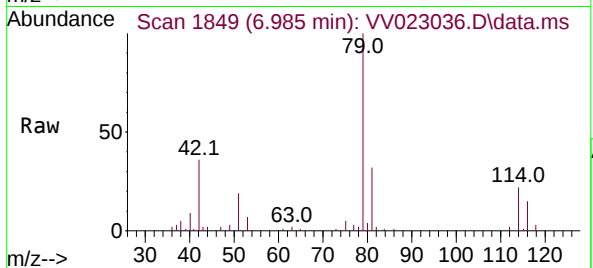
ClientSampleId :

Tgt Ion: 75 Resp: 1313

Ion Ratio Lower Upper

75 100

77 57.0 21.6 40.2#



#42

Toluene

Concen: 0.181 ug/L

RT: 7.403 min Scan# 1979

Delta R.T. 0.016 min

Lab File: VV023036.D

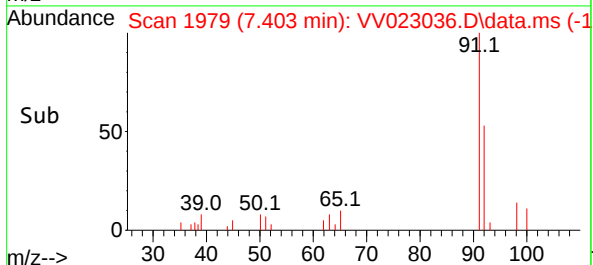
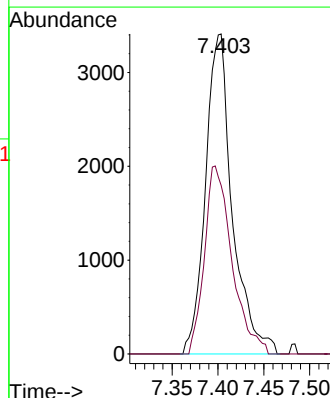
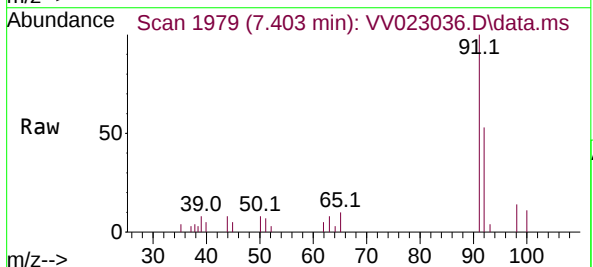
Acq: 26 Oct 2021 14:04

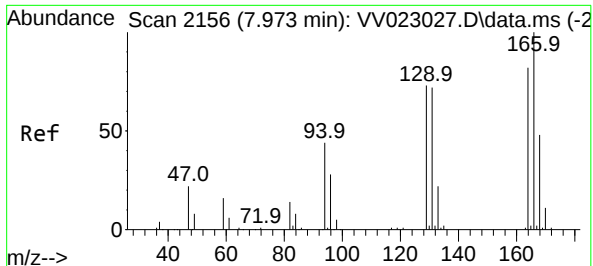
Tgt Ion: 91 Resp: 6942

Ion Ratio Lower Upper

91 100

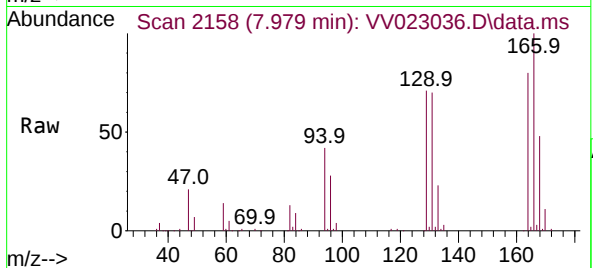
92 52.7 39.3 72.9





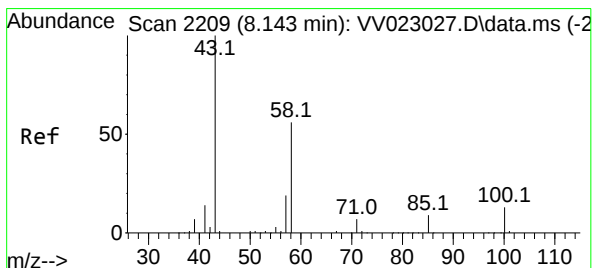
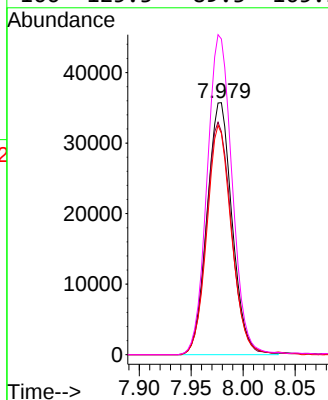
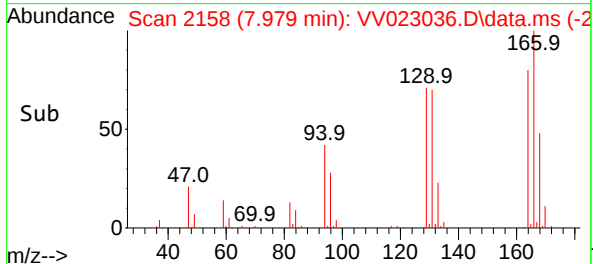
#47
Tetrachloroethene
Concen: 7.515 ug/L
RT: 7.979 min Scan# 2156
Delta R.T. 0.006 min
Lab File: VV023036.D
Acq: 26 Oct 2021 14:04

Instrument :
MSVOA_V
ClientSampleId :

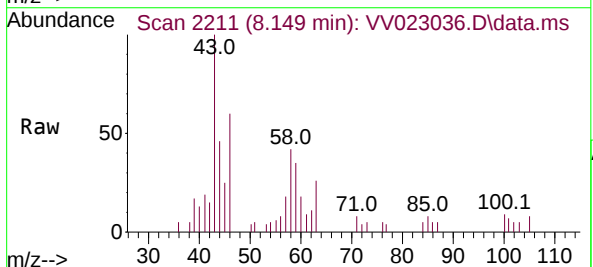


Tgt Ion:164 Resp: 60328

Ion	Ratio	Lower	Upper
164	100		
129	88.4	64.0	119.0
131	87.8	63.4	117.8
166	125.3	89.3	165.9

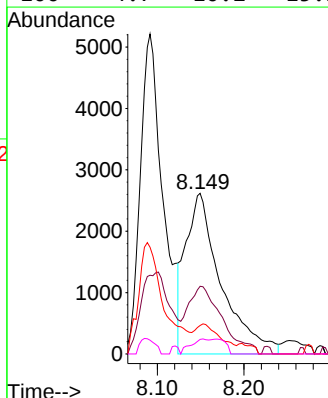
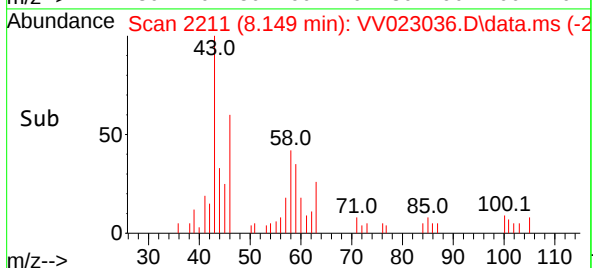


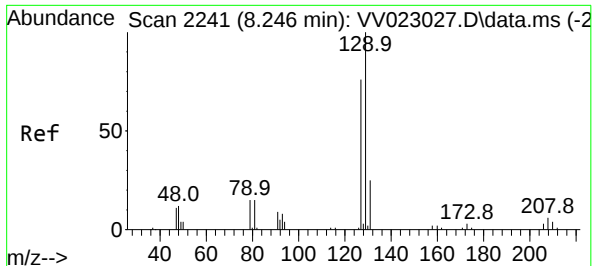
#48
2-Hexanone
Concen: 2.234 ug/L
RT: 8.149 min Scan# 2211
Delta R.T. 0.006 min
Lab File: VV023036.D
Acq: 26 Oct 2021 14:04



Tgt Ion: 43 Resp: 7444

Ion	Ratio	Lower	Upper
43	100		
58	40.7	43.7	65.5#
57	13.3	14.1	21.1#
100	4.7	10.2	15.2#





#49

Dibromochloromethane

Concen: 6.735 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.270 min

Lab File: VV023036.D

Acq: 26 Oct 2021 14:04

Instrument :

MSVOA_V

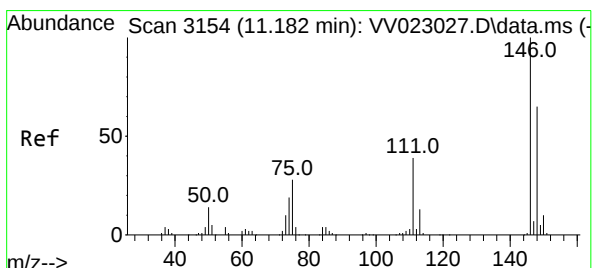
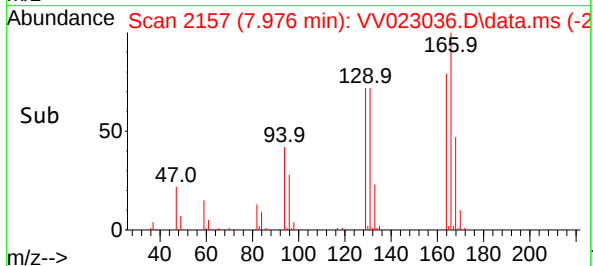
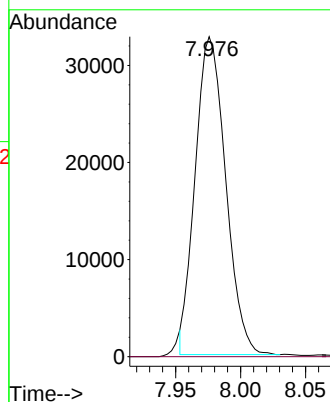
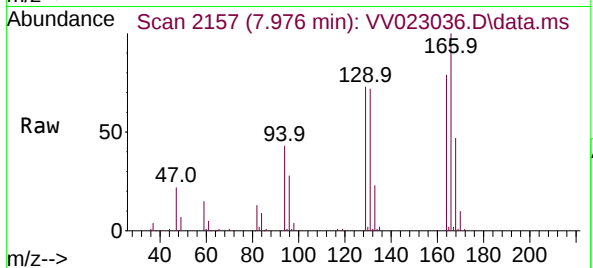
ClientSampleId :

Tgt Ion:129 Resp: 53449

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#



#64

1,3-Dichlorobenzene

Concen: 0.069 ug/L

RT: 11.194 min Scan# 3158

Delta R.T. 0.013 min

Lab File: VV023036.D

Acq: 26 Oct 2021 14:04

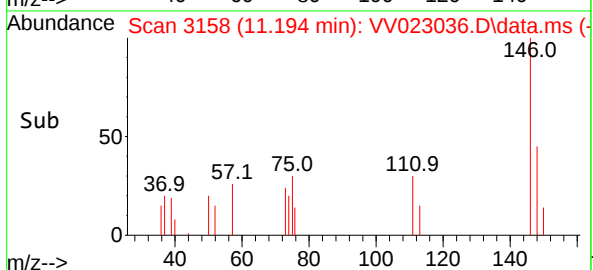
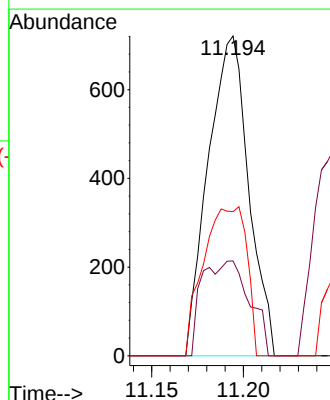
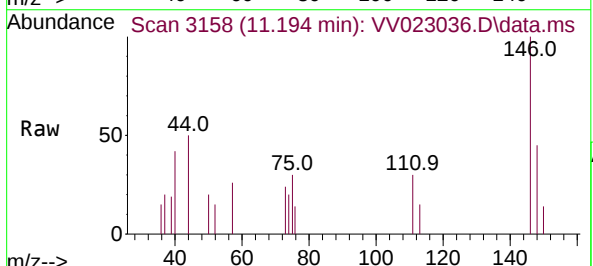
Tgt Ion:146 Resp: 1106

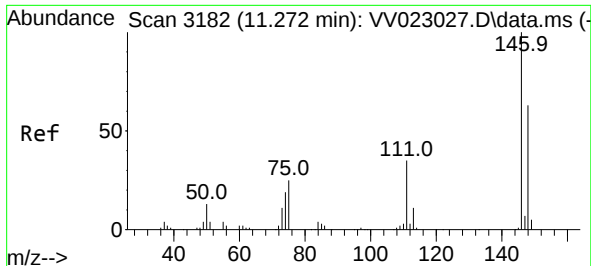
Ion Ratio Lower Upper

146 100

111 29.7 26.7 49.7

148 45.1 42.9 79.7

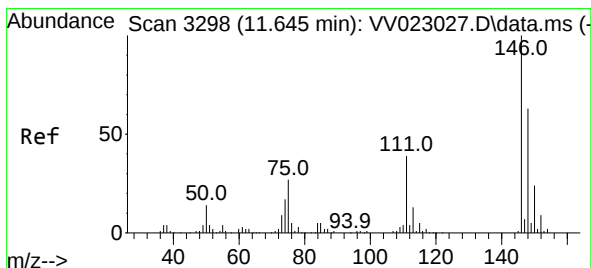
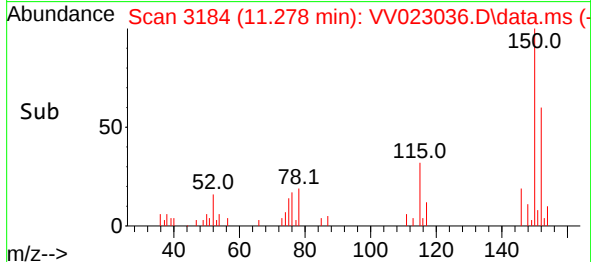
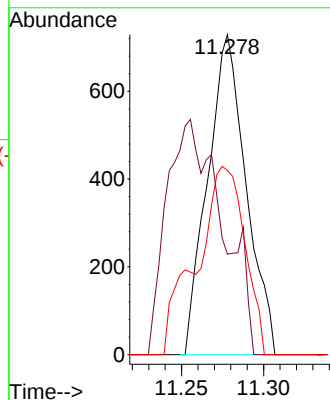
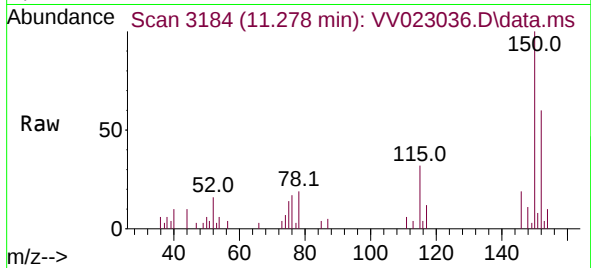




#65
1,4-Dichlorobenzene
Concen: 0.073 ug/L
RT: 11.278 min Scan# 3182
Delta R.T. 0.006 min
Lab File: VV023036.D
Acq: 26 Oct 2021 14:04

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:146 Resp: 1183
Ion Ratio Lower Upper
146 100
111 31.4 26.2 48.8
148 57.6 44.4 82.5



#67
1,2-Dichlorobenzene
Concen: 0.083 ug/L
RT: 11.648 min Scan# 3299
Delta R.T. 0.003 min
Lab File: VV023036.D
Acq: 26 Oct 2021 14:04

Tgt Ion:146 Resp: 1232
Ion Ratio Lower Upper
146 100
111 51.5 31.6 47.4#
148 75.6 51.0 76.6

