

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111021\
 Data File : VW023360.D
 Acq On : 11 Nov 2021 02:57
 Operator : SY/MD
 Sample : M4558-19
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 11 03:57:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 11 03:34:54 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	124266	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	121379	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	56705	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	23232	2.984	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	59.600%	
7) Chloroethane-d5	1.568	69	24081	3.795	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	76.000%	
11) 1,1-Dichloroethene-d2	2.111	63	37207	2.553	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	51.000%#	
20) 2-Butanone-d5	3.886	46	88411	65.920	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	131.840%#	
24) Chloroform-d	4.352	84	70576	4.254	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	85.000%	
26) 1,2-Dichloroethane-d4	5.034	65	35505	4.759	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	95.200%	
32) Benzene-d6	5.053	84	127805	4.104	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	82.000%	
36) 1,2-Dichloropropane-d6	6.072	67	42647	4.652	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	93.000%	
41) Toluene-d8	7.317	98	105325	3.609	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	72.200%	
43) trans-1,3-Dichloroprop...	7.625	79	13781	3.964	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	79.200%	
46) 2-Hexanone-d5	8.088	63	63685	49.792	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	99.580%	
56) 1,1,2,2-Tetrachloroeth...	10.217	84	31517	4.780	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	95.600%	
66) 1,2-Dichlorobenzene-d4	11.625	152	44410	4.703	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	94.000%	
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.311	62	2502	0.243	ug/L	85
8) Chloroethane	1.365	64	3449	0.581	ug/L #	56
9) Trichlorofluoromethane	1.992	101	4363	0.282	ug/L	98
12) 1,1-Dichloroethene	2.121	96	2906	0.392	ug/L #	1
13) Acetone	2.176	43	3081	3.760	ug/L	98
18) trans-1,2-Dichloroethene	2.764	96	17850	1.959	ug/L	96
19) 1,1-Dichloroethane	3.195	63	6538	0.425	ug/L	93
22) cis-1,2-Dichloroethene	3.912	96	1530629	174.592	ug/L #	91
25) Chloroform	4.381	83	7002	0.427	ug/L	90
29) 1,1,1-Trichloroethane	4.613	97	46387	3.147	ug/L	99
31) Carbon tetrachloride	4.835	117	7009	0.529	ug/L	99
34) Trichloroethene	5.918	95	7266074	805.390	ug/L	96
35) Methylcyclohexane	6.072	83	9989	0.701	ug/L #	17
37) 1,2-Dichloropropane	6.076	63	4940	0.624	ug/L #	83
39) cis-1,3-Dichloropropene	6.989	75	994	0.087	ug/L #	81
42) Toluene	7.404	91	3423	0.094	ug/L	93
47) Tetrachloroethene	7.976	164	96789	12.379	ug/L	99
48) 2-Hexanone	8.143	43	2003	0.778	ug/L #	40
49) Dibromochloromethane	7.976	129	86130	11.945	ug/L #	10

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Nov 11 03:34:54 2021
Response via : Initial Calibration

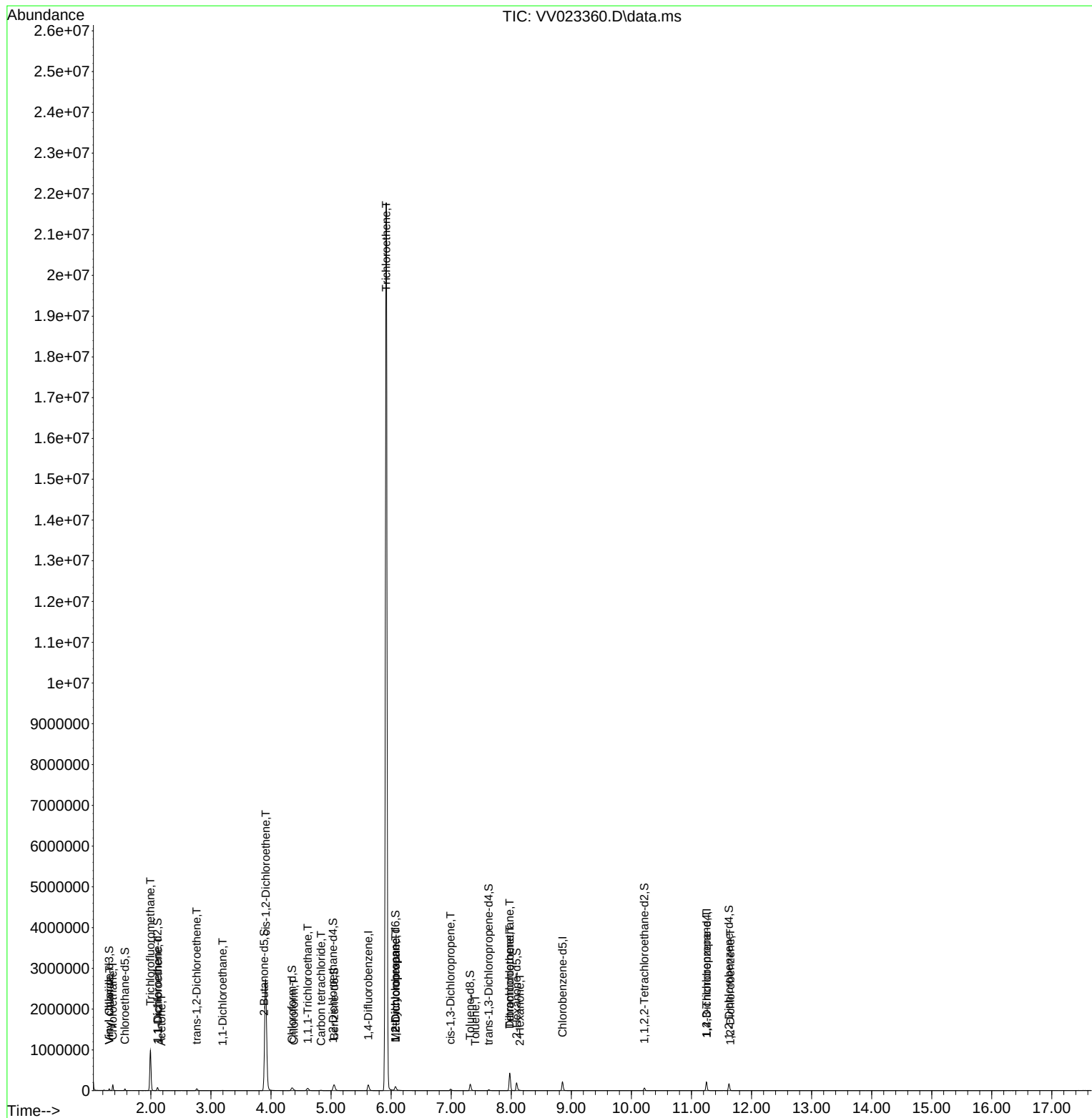
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.249	75	5998	1.592	ug/L #	65
67) 1,2-Dichlorobenzene	11.648	146	926	0.062	ug/L #	88

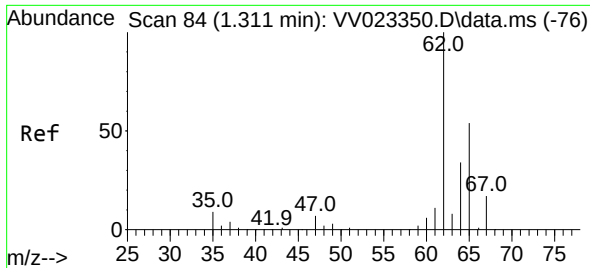
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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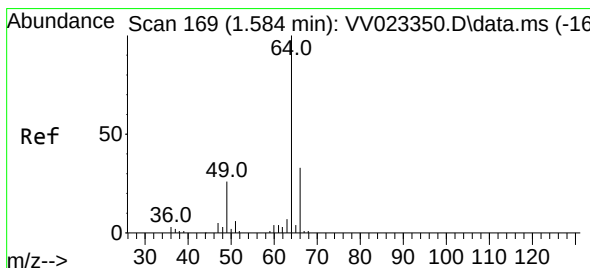
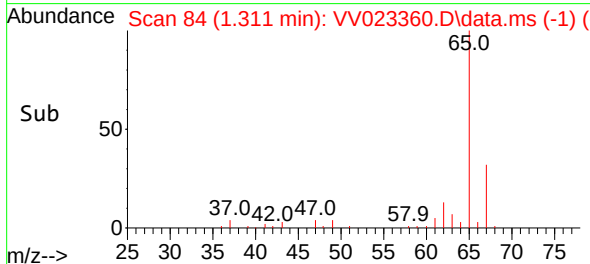
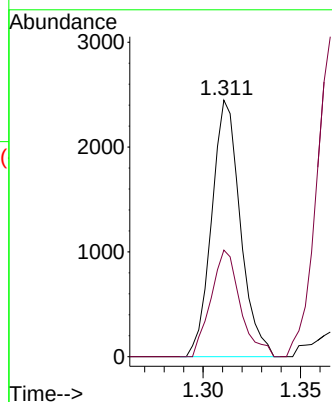
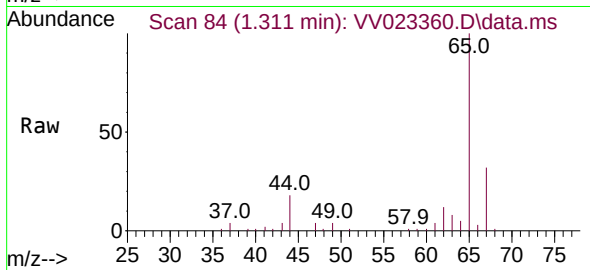




#5
 Vinyl chloride
 Concen: 0.243 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV023360.D
 Acq: 11 Nov 2021 02:57

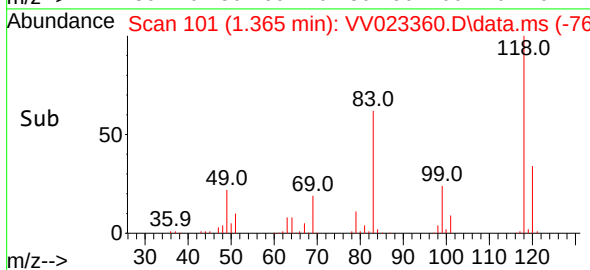
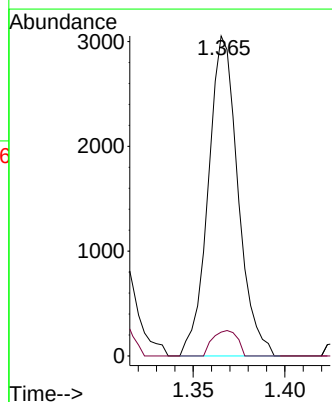
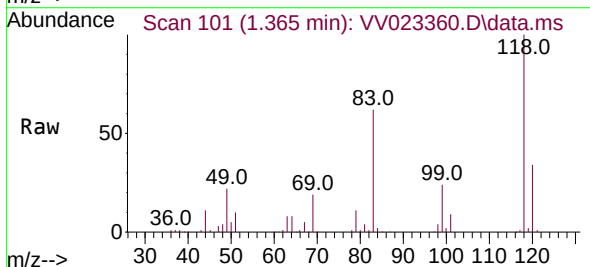
Instrument :
 MSVOA_V
 ClientSampleId :

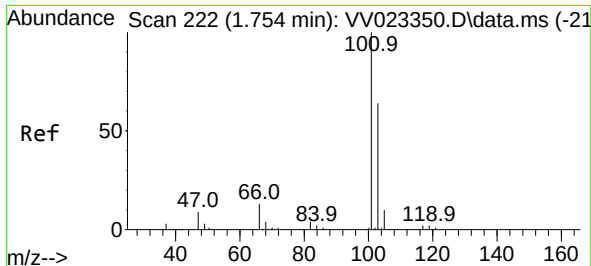
Tgt Ion: 62 Resp: 2502
 Ion Ratio Lower Upper
 62 100
 64 41.6 23.1 42.9



#8
 Chloroethane
 Concen: 0.581 ug/L
 RT: 1.365 min Scan# 101
 Delta R.T. -0.219 min
 Lab File: VV023360.D
 Acq: 11 Nov 2021 02:57

Tgt Ion: 64 Resp: 3449
 Ion Ratio Lower Upper
 64 100
 66 7.4 22.1 41.1#

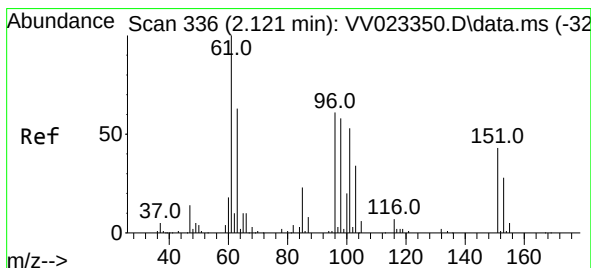
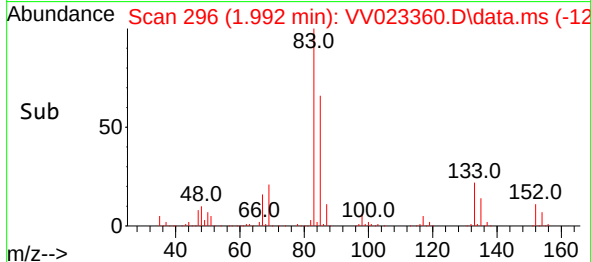
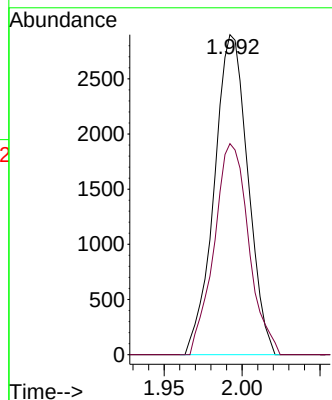
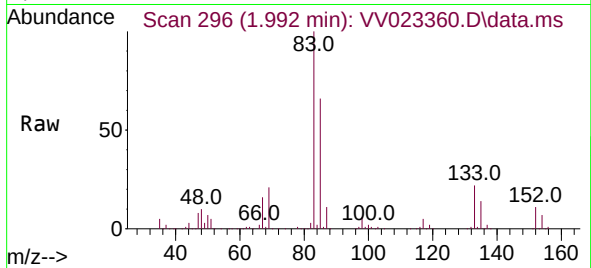




#9
Trichlorofluoromethane
Concen: 0.282 ug/L
RT: 1.992 min Scan# 296
Delta R.T. 0.238 min
Lab File: VV023360.D
Acq: 11 Nov 2021 02:57

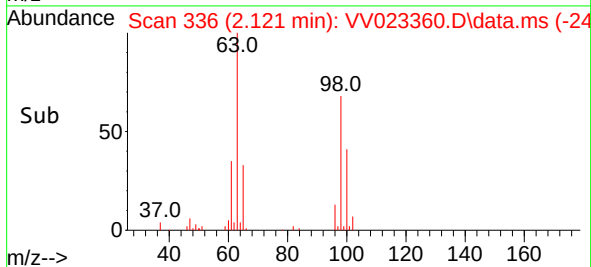
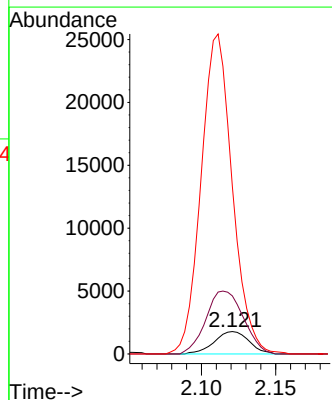
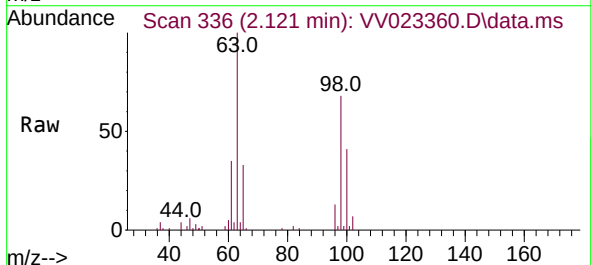
Instrument :
MSVOA_V
ClientSampleId :

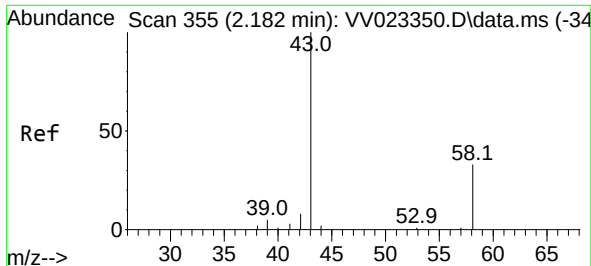
Tgt Ion:101 Resp: 4363
Ion Ratio Lower Upper
101 100
103 67.7 52.6 79.0



#12
1,1-Dichloroethene
Concen: 0.392 ug/L
RT: 2.121 min Scan# 336
Delta R.T. 0.000 min
Lab File: VV023360.D
Acq: 11 Nov 2021 02:57

Tgt Ion: 96 Resp: 2906
Ion Ratio Lower Upper
96 100
61 259.7 121.5 225.7#
63 750.0 99.6 185.0#

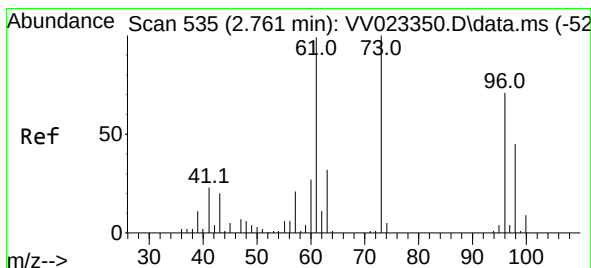
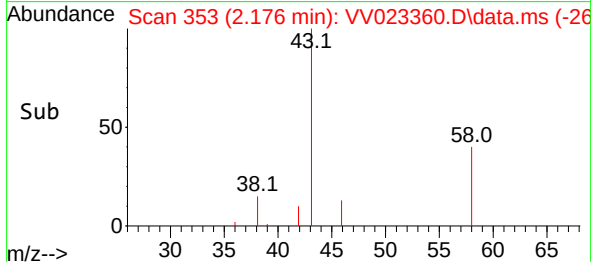
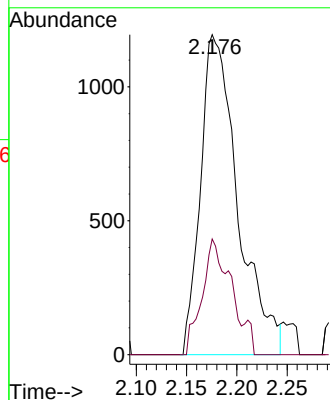
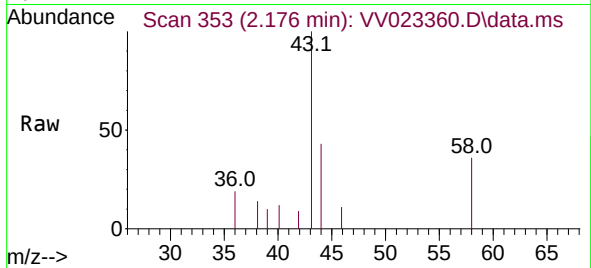




#13
Acetone
Concen: 3.760 ug/L
RT: 2.176 min Scan# 31
Delta R.T. -0.006 min
Lab File: VV023360.D
Acq: 11 Nov 2021 02:57

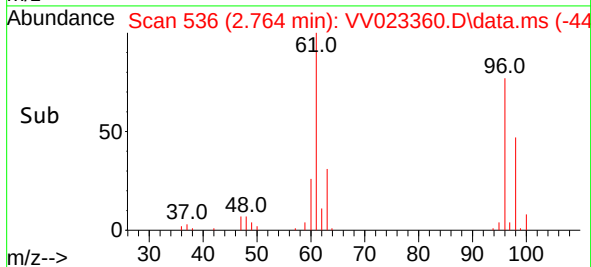
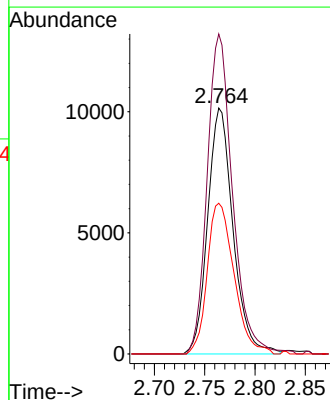
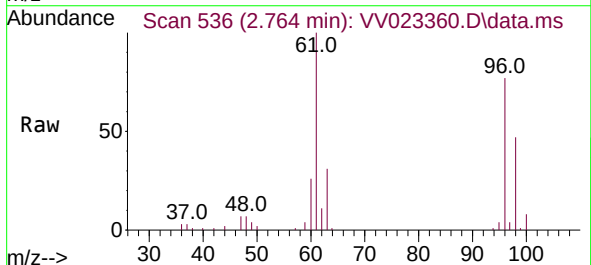
Instrument :
MSVOA_V
ClientSampleId :

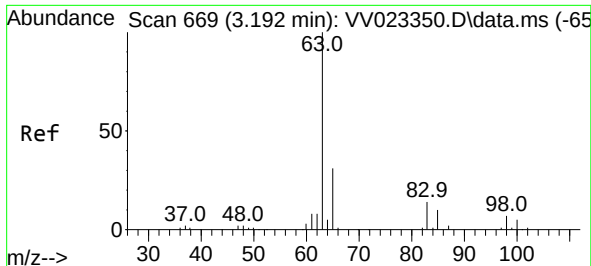
Tgt Ion: 43 Resp: 3081
Ion Ratio Lower Upper
43 100
58 26.6 0.0 55.4



#18
trans-1,2-Dichloroethene
Concen: 1.959 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.003 min
Lab File: VV023360.D
Acq: 11 Nov 2021 02:57

Tgt Ion: 96 Resp: 17850
Ion Ratio Lower Upper
96 100
61 130.1 93.2 173.2
98 61.3 47.0 87.2





#19

1,1-Dichloroethane

Concen: 0.425 ug/L

RT: 3.195 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV023360.D

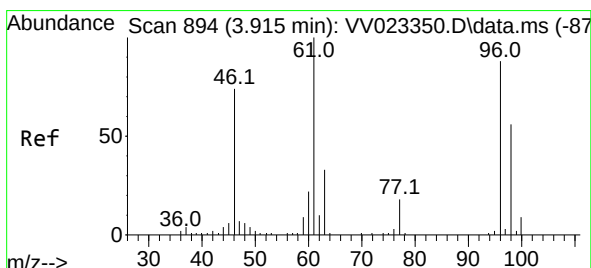
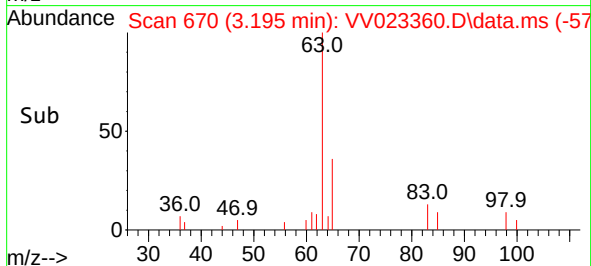
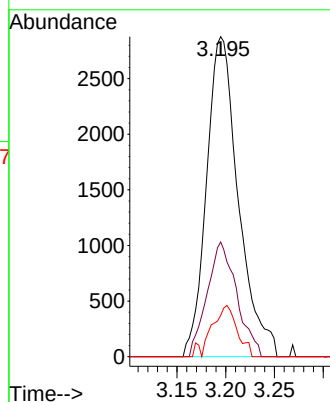
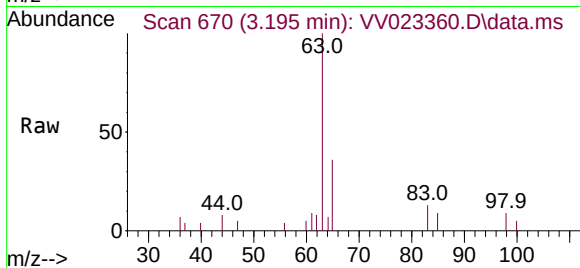
Acq: 11 Nov 2021 02:57

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	63	Resp:	6538
Ion	Ratio	Lower	Upper
63	100		
65	35.8	22.6	42.0
83	12.9	11.1	20.7



#22

cis-1,2-Dichloroethene

Concen: 174.592 ug/L

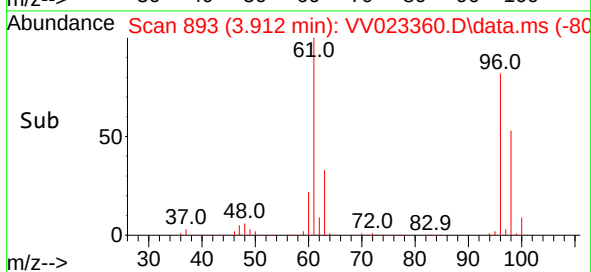
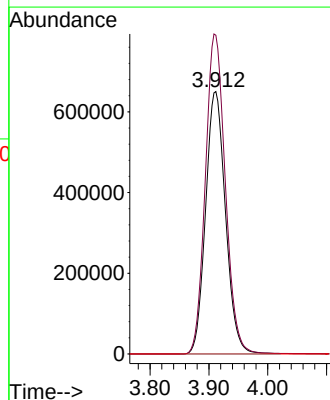
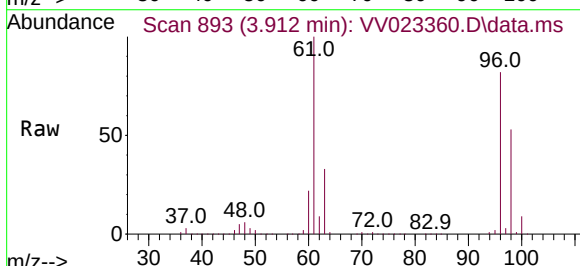
RT: 3.912 min Scan# 893

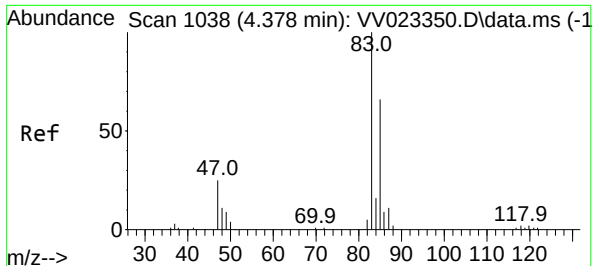
Delta R.T. -0.003 min

Lab File: VV023360.D

Acq: 11 Nov 2021 02:57

Tgt Ion:	96	Resp:	1530629
Ion	Ratio	Lower	Upper
96	100		
61	121.4	92.3	171.3
68	0.0	0.4	0.8





#25

Chloroform

Concen: 0.427 ug/L

RT: 4.381 min Scan# 1103

Delta R.T. 0.003 min

Lab File: VV023360.D

Acq: 11 Nov 2021 02:57

Instrument :

MSVOA_V

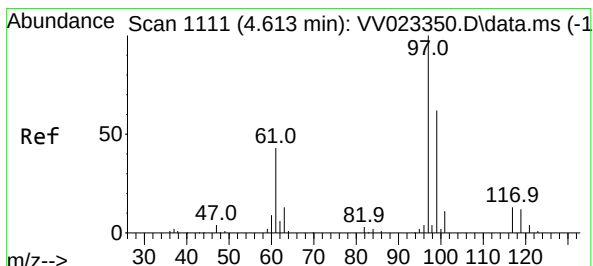
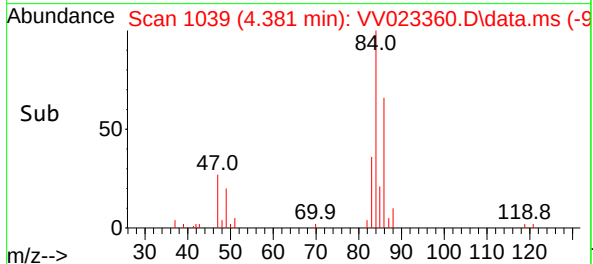
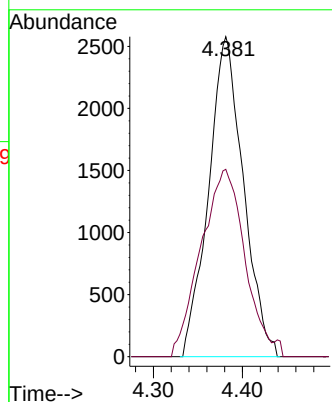
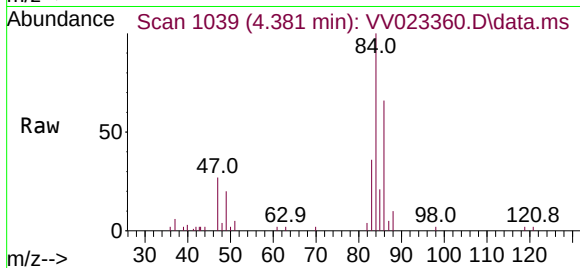
ClientSampleId :

Tgt Ion: 83 Resp: 7002

Ion Ratio Lower Upper

83 100

85 58.5 46.8 86.8



#29

1,1,1-Trichloroethane

Concen: 3.147 ug/L

RT: 4.613 min Scan# 1111

Delta R.T. 0.000 min

Lab File: VV023360.D

Acq: 11 Nov 2021 02:57

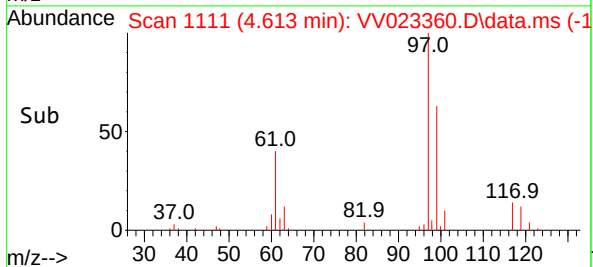
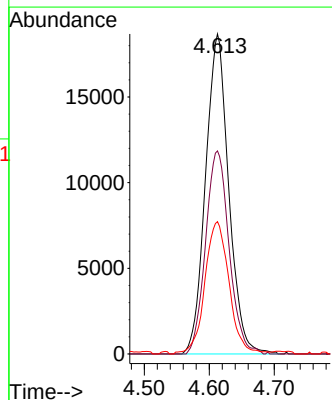
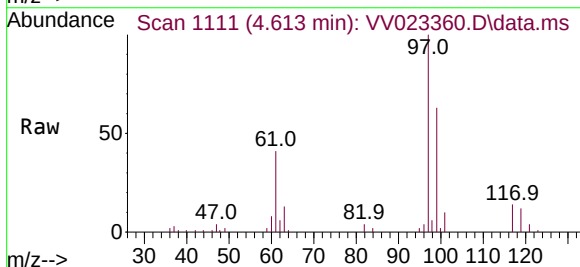
Tgt Ion: 97 Resp: 46387

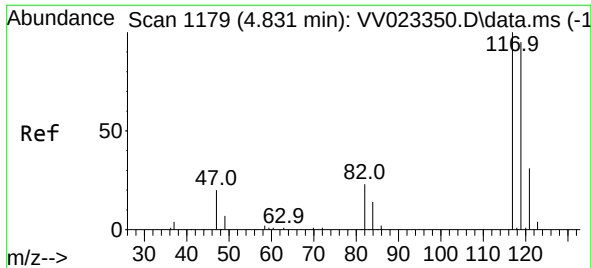
Ion Ratio Lower Upper

97 100

99 64.4 51.0 76.4

61 43.2 34.1 51.1

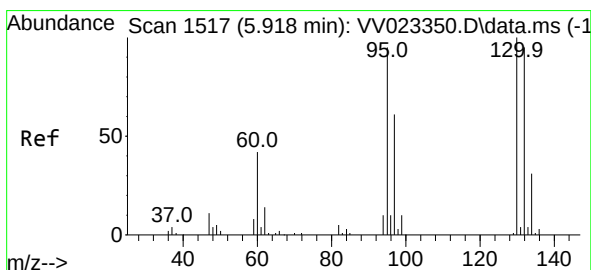
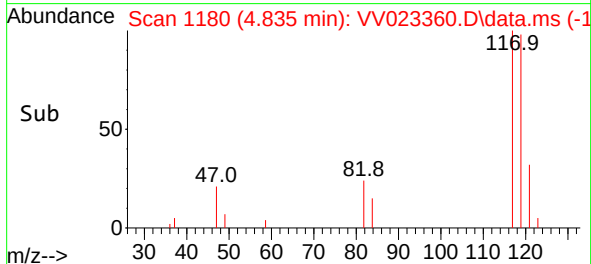
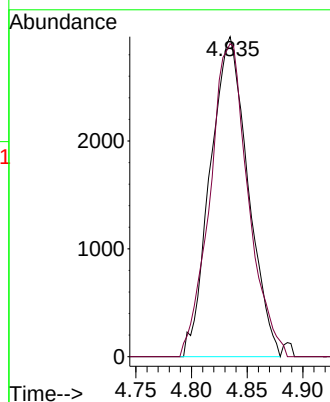
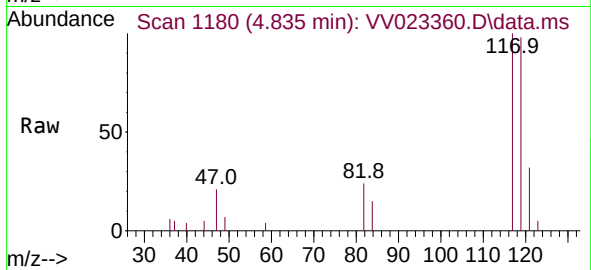




#31
Carbon tetrachloride
Concen: 0.529 ug/L
RT: 4.835 min Scan# 1179
Delta R.T. 0.003 min
Lab File: VV023360.D
Acq: 11 Nov 2021 02:57

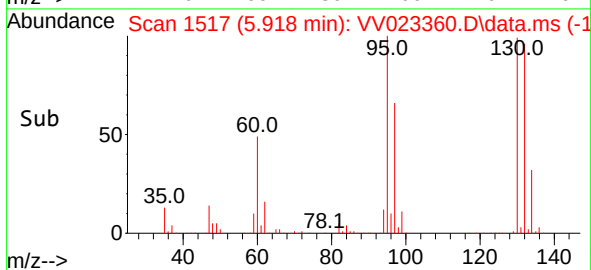
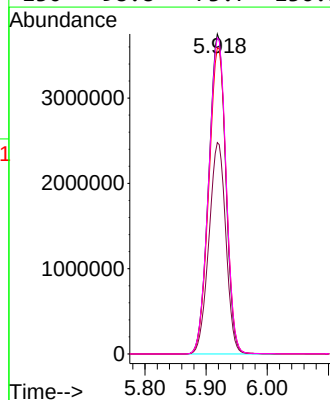
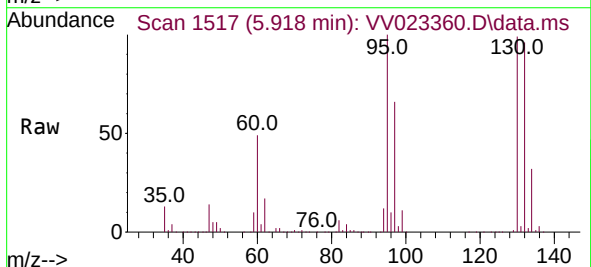
Instrument :
MSVOA_V
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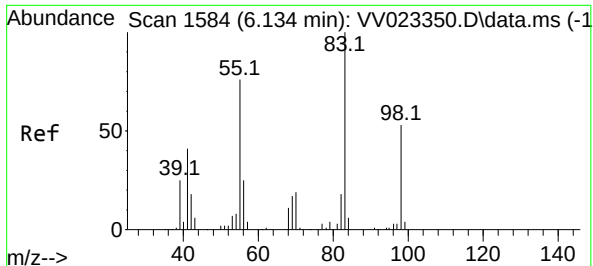
Tgt Ion:117 Resp: 7009
Ion Ratio Lower Upper
117 100
119 99.0 78.8 118.2



#34
Trichloroethene
Concen: 805.390 ug/L
RT: 5.918 min Scan# 1517
Delta R.T. 0.000 min
Lab File: VV023360.D
Acq: 11 Nov 2021 02:57

Tgt Ion: 95 Resp: 7266074
Ion Ratio Lower Upper
95 100
97 66.1 45.0 83.6
132 95.7 69.7 129.4
130 98.8 73.7 136.9





#35

Methylcyclohexane

Concen: 0.701 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.061 min

Lab File: VV023360.D

Acq: 11 Nov 2021 02:57

Instrument :

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ClientSampleId :

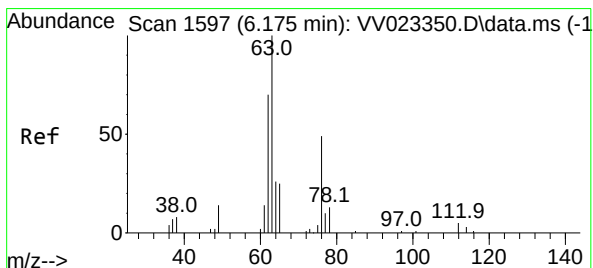
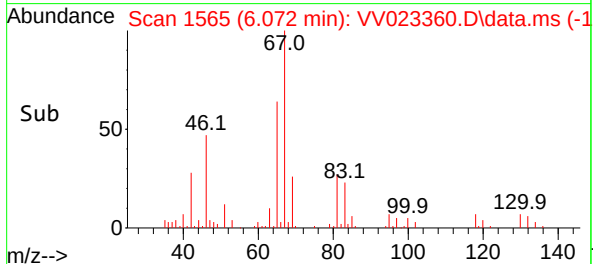
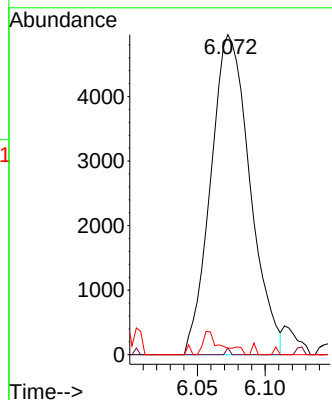
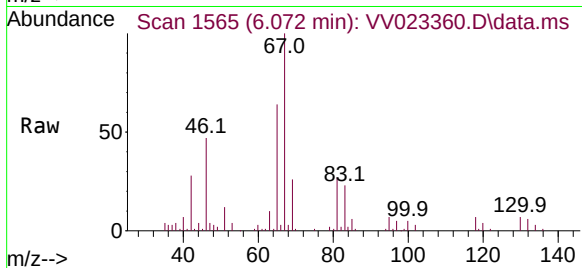
Tgt Ion: 83 Resp: 9989

Ion Ratio Lower Upper

83 100

55 0.2 62.8 94.2#

98 0.0 37.9 56.9#



#37

1,2-Dichloropropane

Concen: 0.624 ug/L

RT: 6.076 min Scan# 1566

Delta R.T. -0.100 min

Lab File: VV023360.D

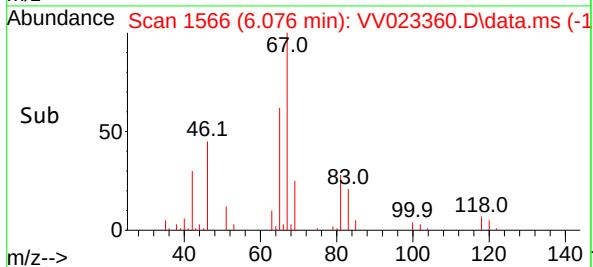
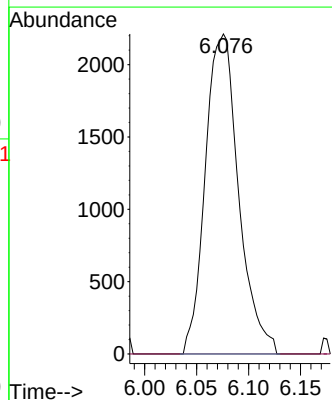
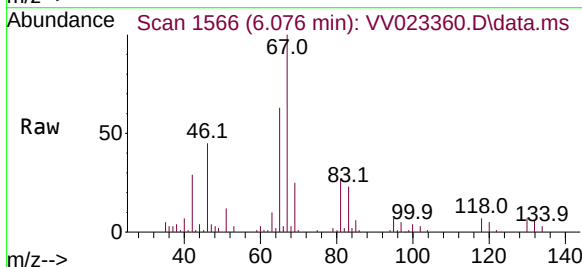
Acq: 11 Nov 2021 02:57

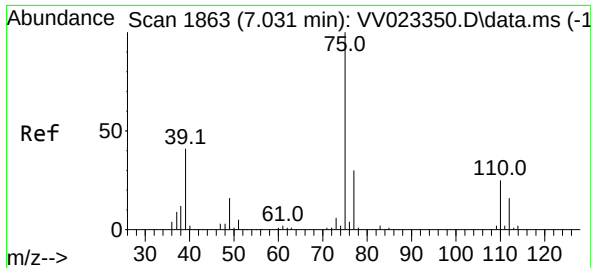
Tgt Ion: 63 Resp: 4940

Ion Ratio Lower Upper

63 100

112 0.0 4.6 6.8#





#39

cis-1,3-Dichloropropene

Concen: 0.087 ug/L

RT: 6.989 min Scan# 1863

Delta R.T. -0.042 min

Lab File: VV023360.D

Acq: 11 Nov 2021 02:57

Instrument :

MSVOA_V

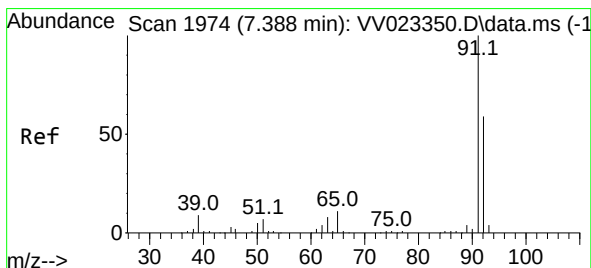
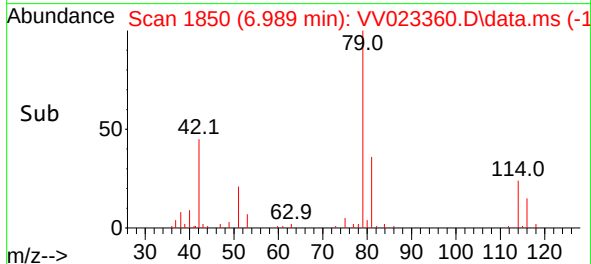
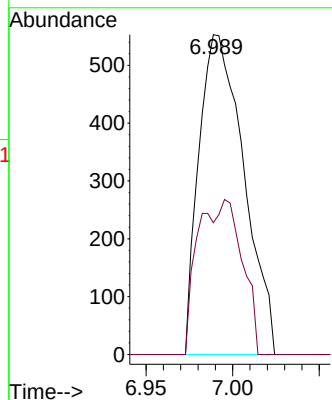
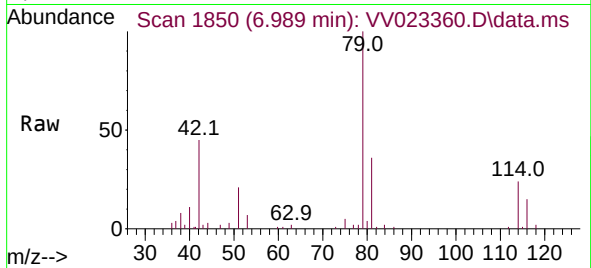
ClientSampleId :

Tgt Ion: 75 Resp: 994

Ion Ratio Lower Upper

75 100

77 41.2 21.6 40.2#



#42

Toluene

Concen: 0.094 ug/L

RT: 7.404 min Scan# 1979

Delta R.T. 0.016 min

Lab File: VV023360.D

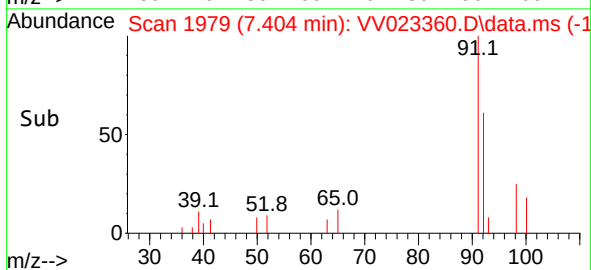
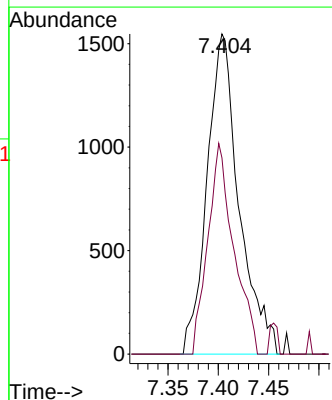
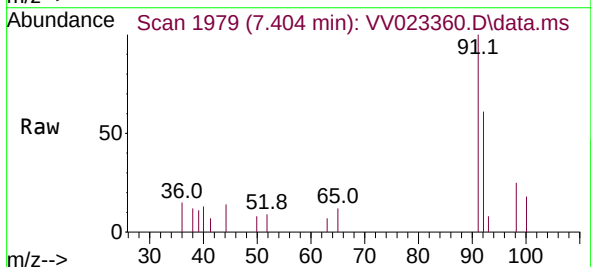
Acq: 11 Nov 2021 02:57

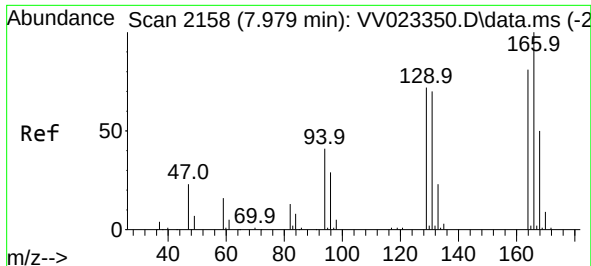
Tgt Ion: 91 Resp: 3423

Ion Ratio Lower Upper

91 100

92 61.3 39.3 72.9





#47

Tetrachloroethene

Concen: 12.379 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.003 min

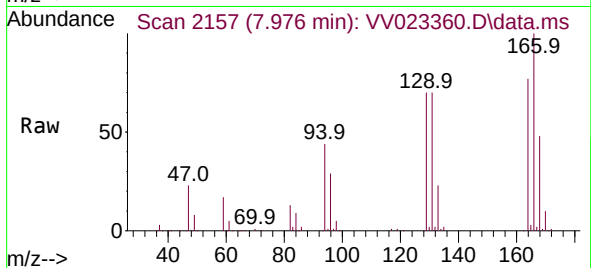
Lab File: VV023360.D

Acq: 11 Nov 2021 02:57

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 96789

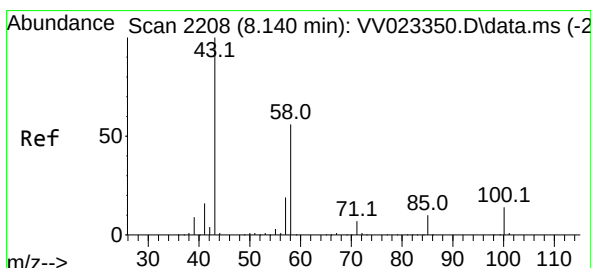
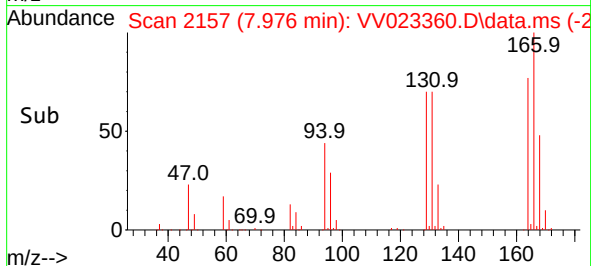
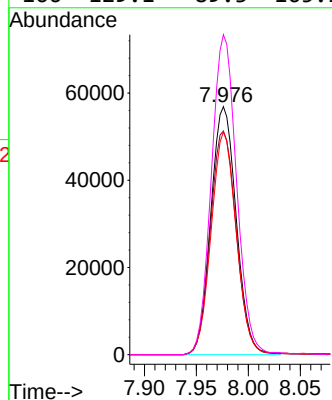
Ion Ratio Lower Upper

164 100

129 90.2 64.0 119.0

131 89.9 63.4 117.8

166 129.1 89.3 165.9



#48

2-Hexanone

Concen: 0.778 ug/L

RT: 8.143 min Scan# 2209

Delta R.T. 0.003 min

Lab File: VV023360.D

Acq: 11 Nov 2021 02:57

Tgt Ion: 43 Resp: 2003

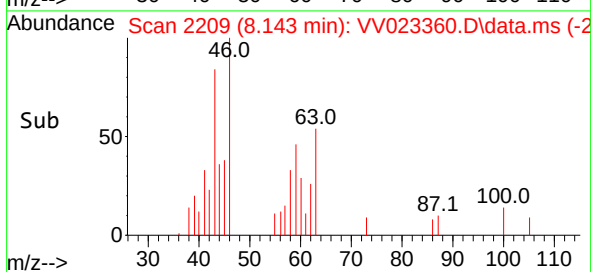
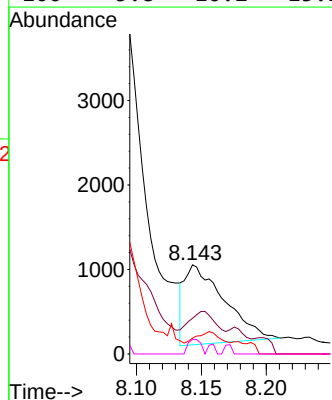
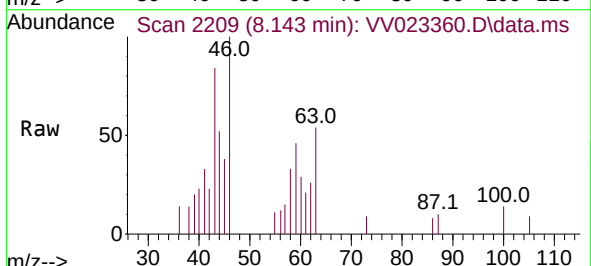
Ion Ratio Lower Upper

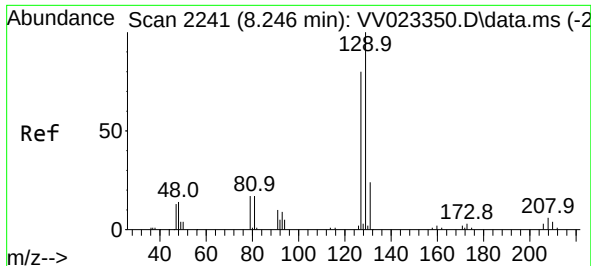
43 100

58 0.0 43.7 65.5#

57 0.0 14.1 21.1#

100 5.8 10.2 15.2#





#49

Dibromochloromethane

Concen: 11.945 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.270 min

Lab File: VV023360.D

Acq: 11 Nov 2021 02:57

Instrument :

MSVOA_V

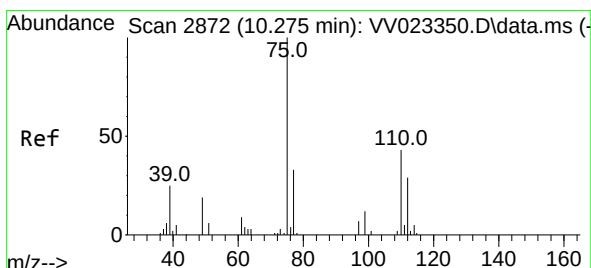
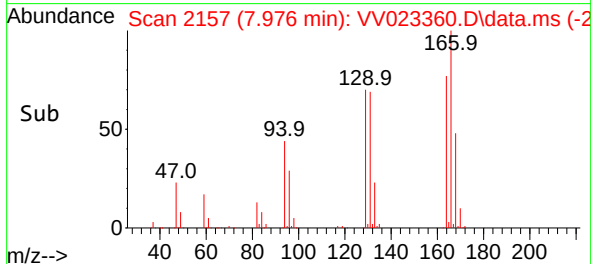
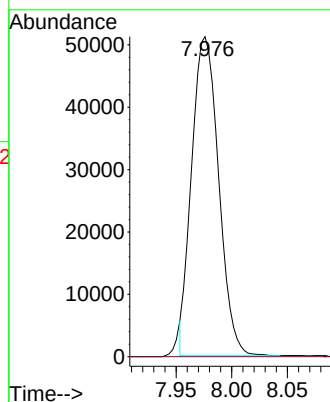
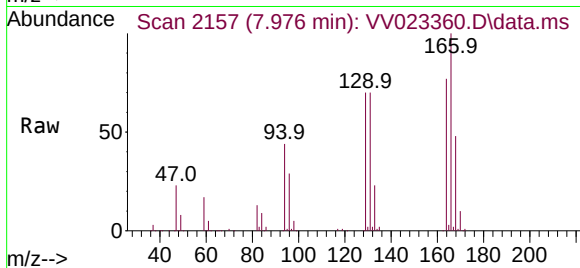
ClientSampleId :

Tgt Ion:129 Resp: 86130

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#



#61

1,2,3-Trichloropropane

Concen: 1.592 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.974 min

Lab File: VV023360.D

Acq: 11 Nov 2021 02:57

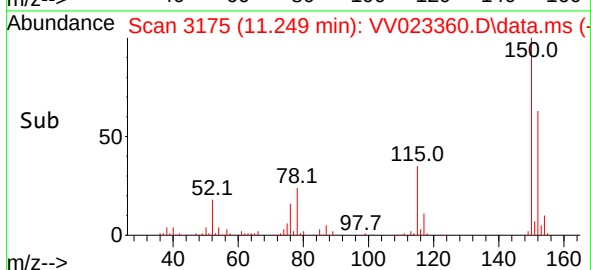
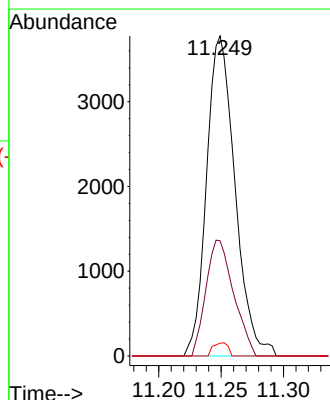
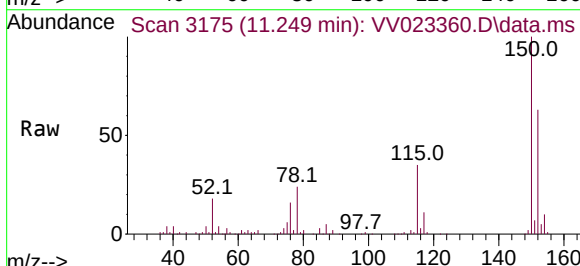
Tgt Ion: 75 Resp: 5998

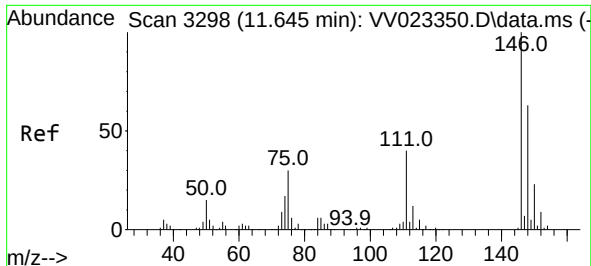
Ion Ratio Lower Upper

75 100

77 35.2 26.6 39.8

110 2.2 31.8 47.6#





#67

1,2-Dichlorobenzene

Concen: 0.062 ug/L

RT: 11.648 min Scan# 31

Delta R.T. 0.003 min

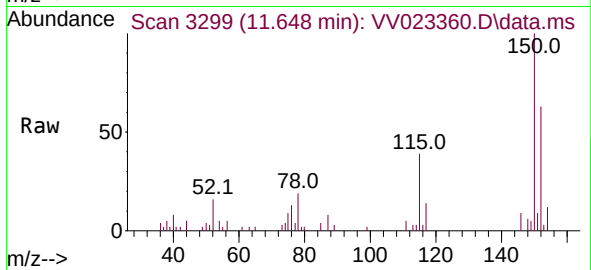
Lab File: VV023360.D

Acq: 11 Nov 2021 02:57

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:146 Resp: 926

Ion Ratio Lower Upper

146 100

111 54.0 31.6 47.4#

148 60.6 51.0 76.6

