

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111021\
 Data File : VW023361.D
 Acq On : 11 Nov 2021 03:21
 Operator : SY/MD
 Sample : M4558-20
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 11 03:57:29 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	131009	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	128287	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	59024	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	24426	2.976	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	59.600%
7) Chloroethane-d5	1.568	69	24535	3.668	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.400%
11) 1,1-Dichloroethene-d2	2.111	63	40539	2.639	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	52.800%#
20) 2-Butanone-d5	3.883	46	95794	67.749	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	135.500%#
24) Chloroform-d	4.352	84	73422	4.198	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.000%
26) 1,2-Dichloroethane-d4	5.037	65	34816	4.427	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.600%
32) Benzene-d6	5.053	84	131430	3.993	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.800%
36) 1,2-Dichloropropane-d6	6.072	67	43797	4.520	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.400%
41) Toluene-d8	7.317	98	110052	3.568	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.400%
43) trans-1,3-Dichloroprop...	7.629	79	13158	3.581	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	71.600%
46) 2-Hexanone-d5	8.088	63	67621	50.023	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.040%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	31220	4.480	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.600%
66) 1,2-Dichlorobenzene-d4	11.625	152	45747	4.655	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.365	85	1174	0.092	ug/L	94
3) Chloromethane	1.220	50	2342	0.216	ug/L #	40
5) Vinyl chloride	1.311	62	11009	1.015	ug/L	99
8) Chloroethane	1.365	64	18536	2.961	ug/L #	56
9) Trichlorofluoromethane	1.992	101	7350	0.451	ug/L	93
12) 1,1-Dichloroethene	2.121	96	7140	0.914	ug/L #	22
13) Acetone	2.175	43	3083	3.568	ug/L	98
18) trans-1,2-Dichloroethene	2.764	96	54217	5.645	ug/L	98
19) 1,1-Dichloroethane	3.195	63	12235	0.755	ug/L	97
22) cis-1,2-Dichloroethene	3.912	96	4153760	449.414	ug/L #	94
25) Chloroform	4.381	83	14019	0.811	ug/L	98
29) 1,1,1-Trichloroethane	4.613	97	54825	3.519	ug/L	99
31) Carbon tetrachloride	4.834	117	8897	0.636	ug/L	98
33) Benzene	5.111	78	9156	0.255	ug/L	100
34) Trichloroethene	5.924	95	11601274	1216.670	ug/L	95
35) Methylcyclohexane	6.072	83	10920	0.726	ug/L #	17
37) 1,2-Dichloropropane	6.072	63	5330	0.637	ug/L #	83
39) cis-1,3-Dichloropropene	6.995	75	966	0.080	ug/L #	68
42) Toluene	7.404	91	4134	0.108	ug/L	88

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 Quant Title : TRACE VOA SFAM1.0
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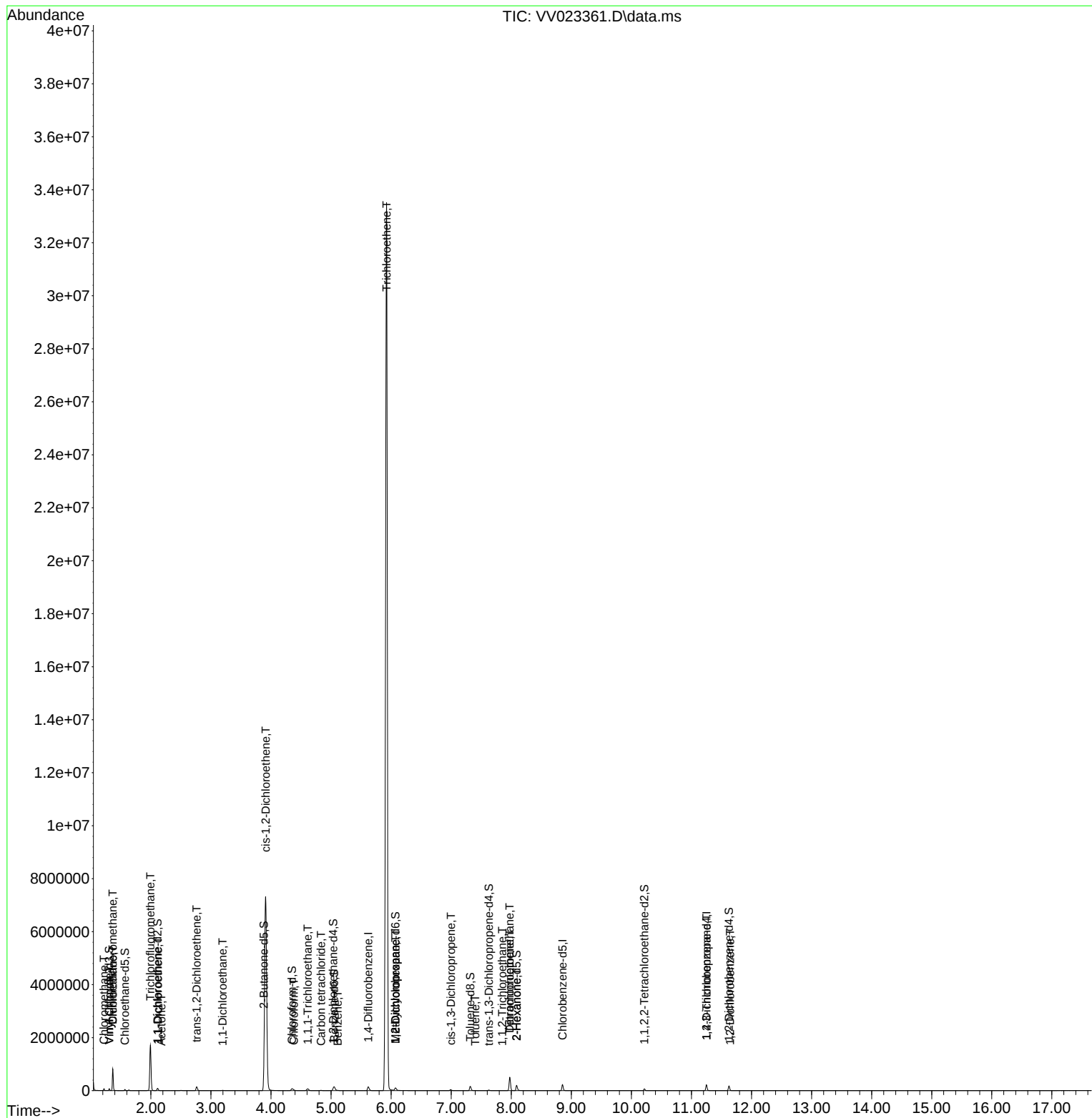
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.850	97	567	0.094	ug/L #	81
47) Tetrachloroethene	7.976	164	113329	13.714	ug/L	99
48) 2-Hexanone	8.092	43	8178	3.006	ug/L #	73
49) Dibromochloromethane	7.976	129	100792	13.226	ug/L #	10
61) 1,2,3-Trichloropropane	11.249	75	6852	1.748	ug/L #	67
67) 1,2-Dichlorobenzene	11.645	146	1248	0.081	ug/L #	87

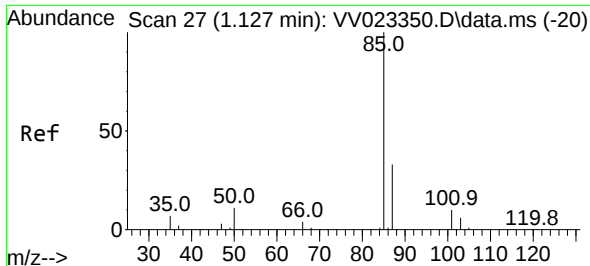
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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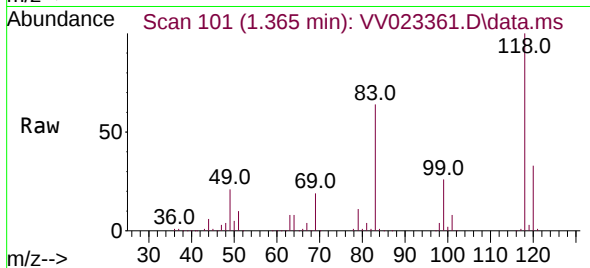
Quant Time: Nov 11 03:57:29 2021
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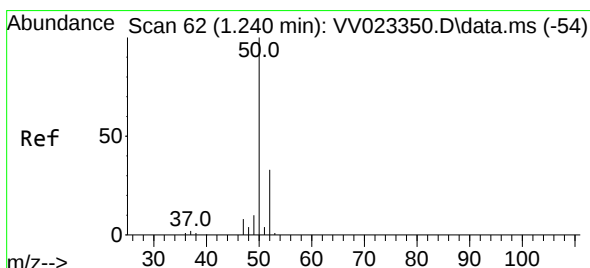
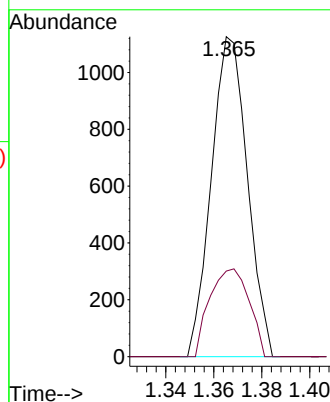
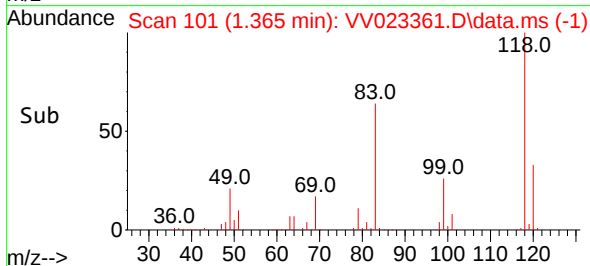


#2
 Dichlorodifluoromethane
 Concen: 0.092 ug/L
 RT: 1.365 min Scan# 11
 Delta R.T. 0.238 min
 Lab File: VV023361.D
 Acq: 11 Nov 2021 03:21

Instrument :
 MSVOA_V
 ClientSampleId :

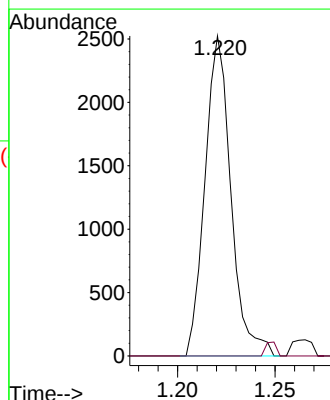
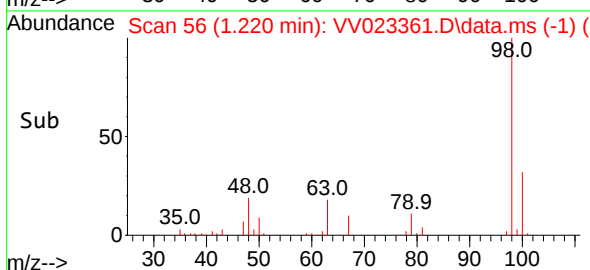
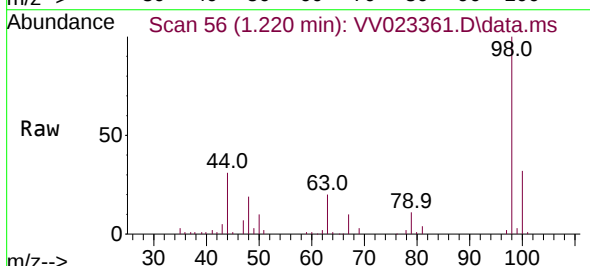


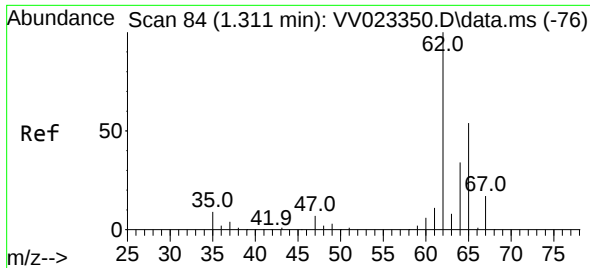
Tgt Ion: 85 Resp: 1174
 Ion Ratio Lower Upper
 85 100
 87 30.0 26.6 39.8



#3
 Chloromethane
 Concen: 0.216 ug/L
 RT: 1.220 min Scan# 56
 Delta R.T. -0.019 min
 Lab File: VV023361.D
 Acq: 11 Nov 2021 03:21

Tgt Ion: 50 Resp: 2342
 Ion Ratio Lower Upper
 50 100
 52 0.0 24.3 45.1#

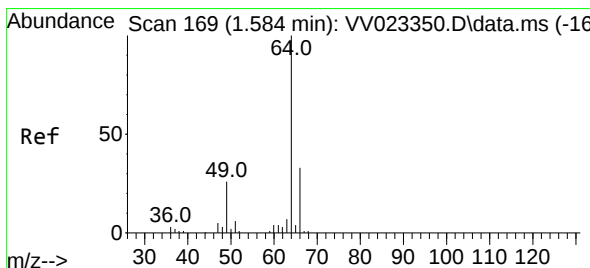
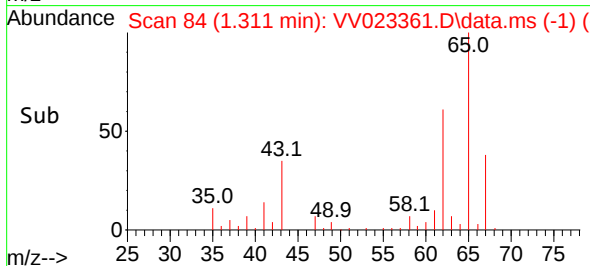
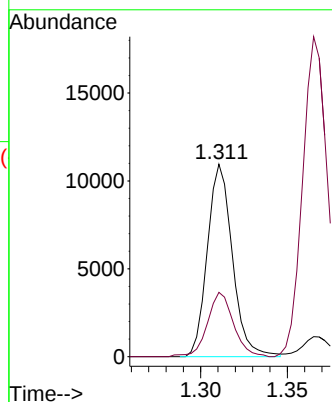
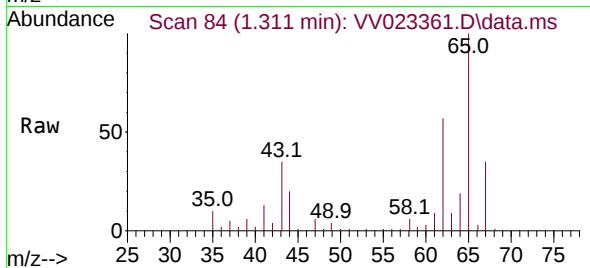




#5
 Vinyl chloride
 Concen: 1.015 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV023361.D
 Acq: 11 Nov 2021 03:21

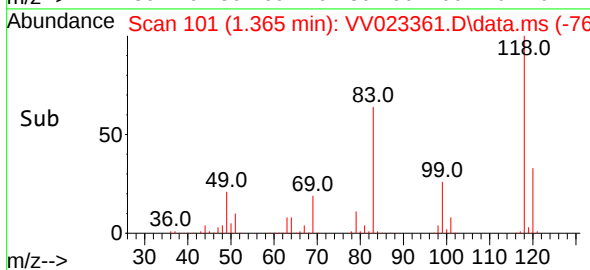
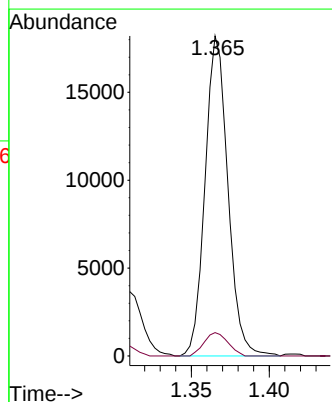
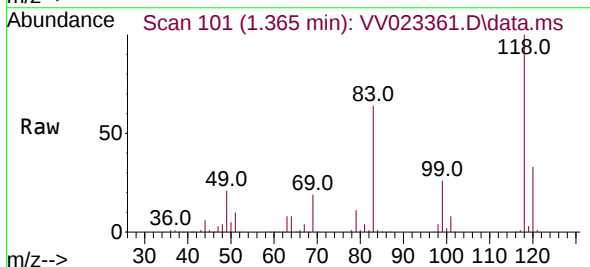
Instrument :
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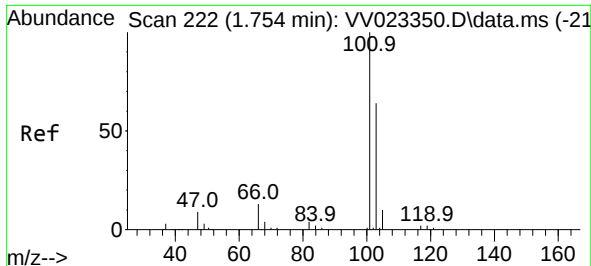
Tgt Ion: 62 Resp: 11009
 Ion Ratio Lower Upper
 62 100
 64 33.4 23.1 42.9



#8
 Chloroethane
 Concen: 2.961 ug/L
 RT: 1.365 min Scan# 101
 Delta R.T. -0.219 min
 Lab File: VV023361.D
 Acq: 11 Nov 2021 03:21

Tgt Ion: 64 Resp: 18536
 Ion Ratio Lower Upper
 64 100
 66 7.3 22.1 41.1#

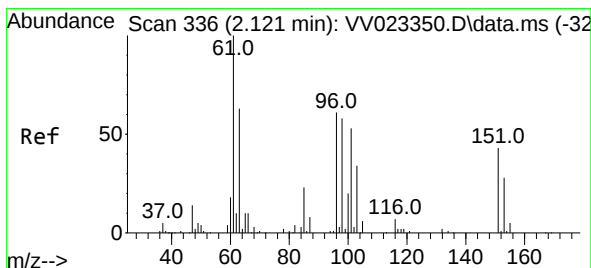
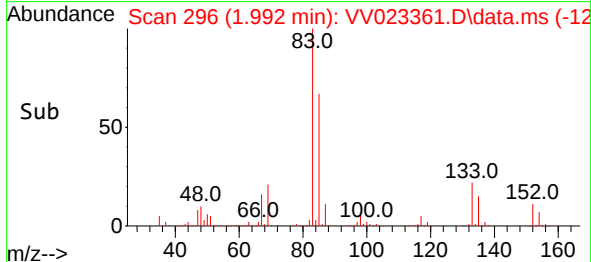
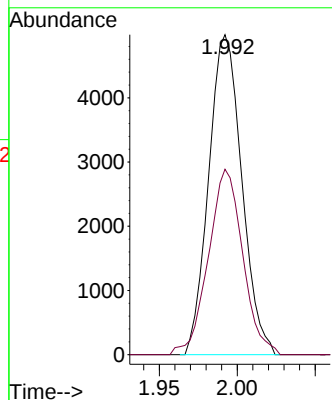
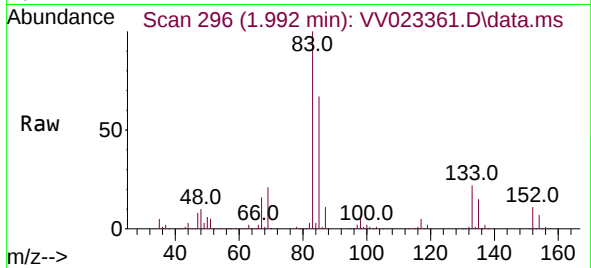




#9
 Trichlorofluoromethane
 Concen: 0.451 ug/L
 RT: 1.992 min Scan# 296
 Delta R.T. 0.238 min
 Lab File: VV023361.D
 Acq: 11 Nov 2021 03:21

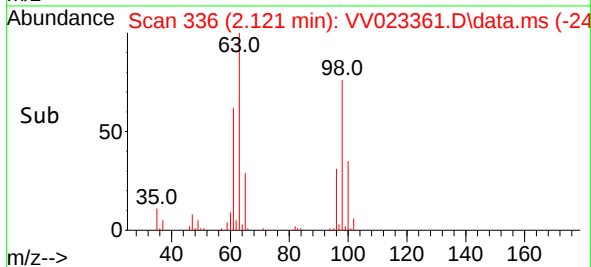
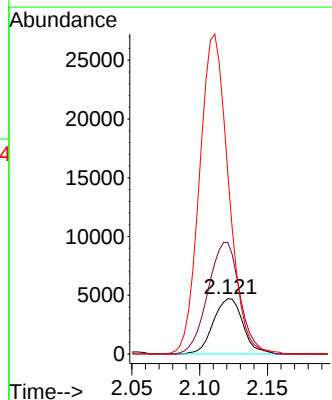
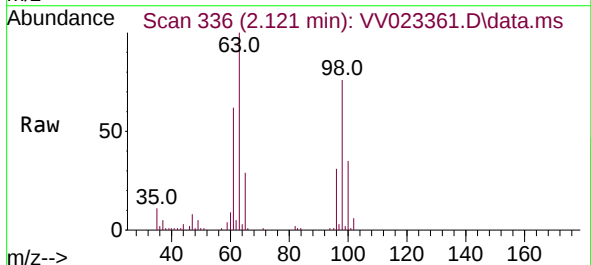
Instrument :
 MSVOA_V
 ClientSampleId :

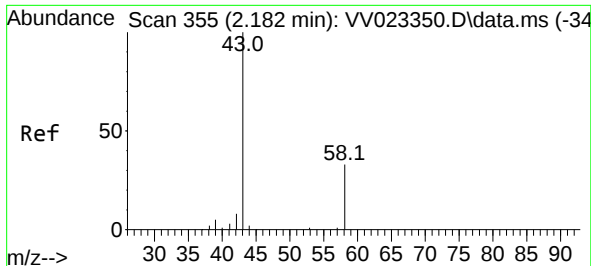
Tgt Ion:101 Resp: 7350
 Ion Ratio Lower Upper
 101 100
 103 60.1 52.6 79.0



#12
 1,1-Dichloroethene
 Concen: 0.914 ug/L
 RT: 2.121 min Scan# 336
 Delta R.T. -0.000 min
 Lab File: VV023361.D
 Acq: 11 Nov 2021 03:21

Tgt Ion: 96 Resp: 7140
 Ion Ratio Lower Upper
 96 100
 61 201.3 121.5 225.7
 63 325.2 99.6 185.0#

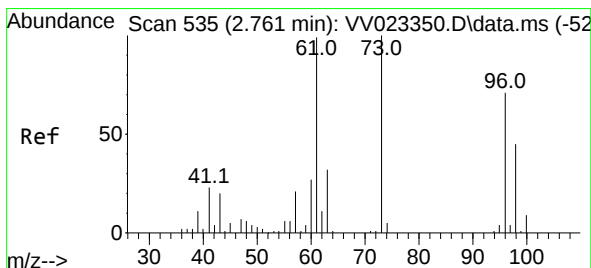
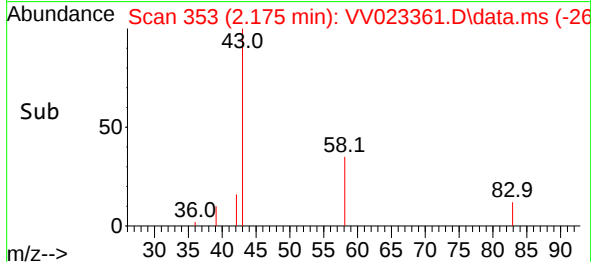
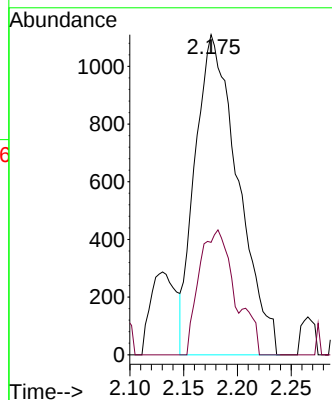
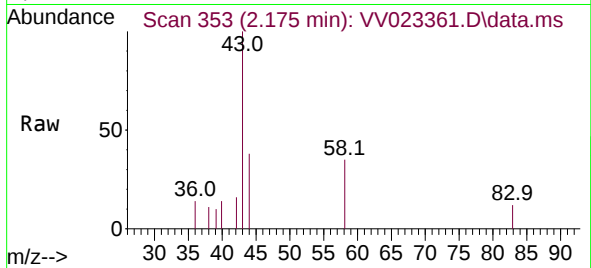




#13
Acetone
Concen: 3.568 ug/L
RT: 2.175 min Scan# 31
Delta R.T. -0.006 min
Lab File: VV023361.D
Acq: 11 Nov 2021 03:21

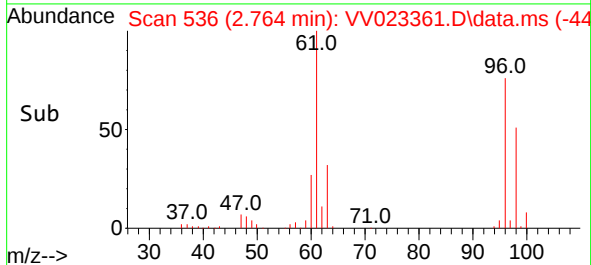
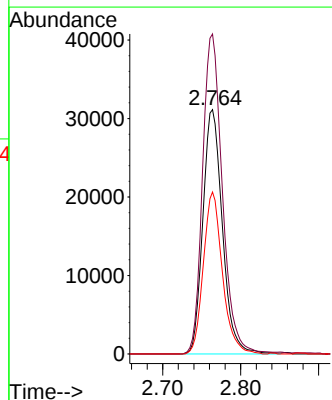
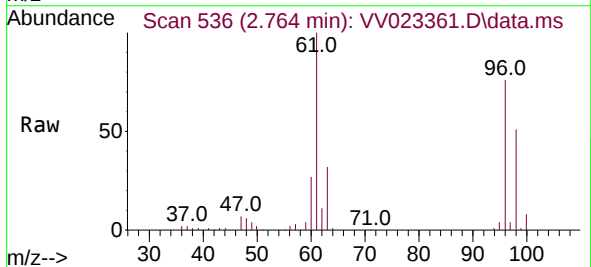
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MSVOA_V
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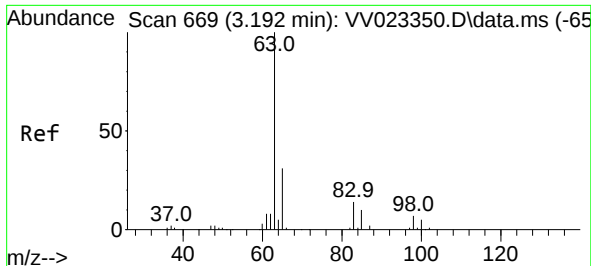
Tgt Ion: 43 Resp: 3083
Ion Ratio Lower Upper
43 100
58 28.5 0.0 55.4



#18
trans-1,2-Dichloroethene
Concen: 5.645 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.003 min
Lab File: VV023361.D
Acq: 11 Nov 2021 03:21

Tgt Ion: 96 Resp: 54217
Ion Ratio Lower Upper
96 100
61 131.0 93.2 173.2
98 66.3 47.0 87.2





#19

1,1-Dichloroethane

Concen: 0.755 ug/L

RT: 3.195 min Scan# 61

Delta R.T. 0.003 min

Lab File: VV023361.D

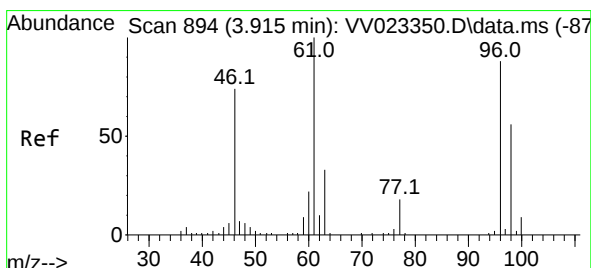
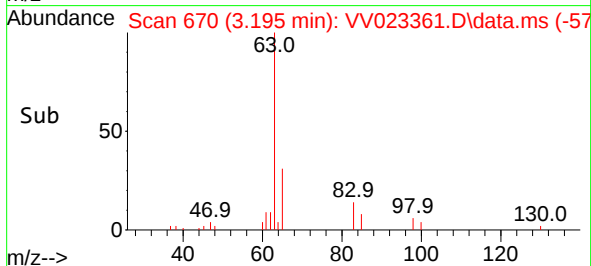
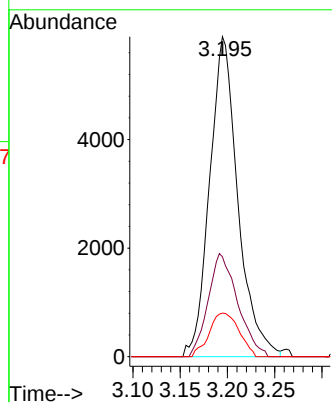
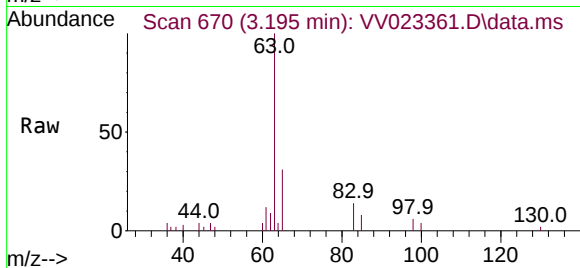
Acq: 11 Nov 2021 03:21

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 63	Resp: 12235
Ion Ratio	Lower Upper
63 100	
65 31.2	22.6 42.0
83 13.6	11.1 20.7



#22

cis-1,2-Dichloroethene

Concen: 449.414 ug/L

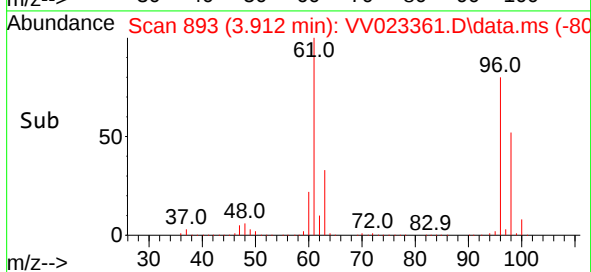
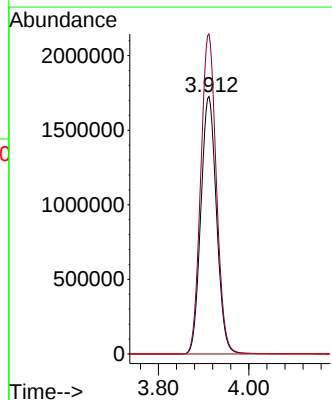
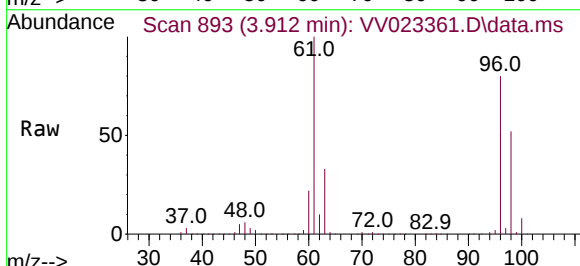
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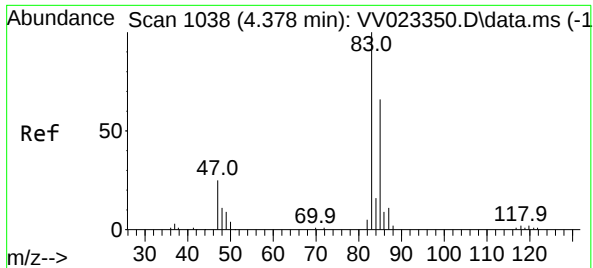
Delta R.T. -0.003 min

Lab File: VV023361.D

Acq: 11 Nov 2021 03:21

Tgt Ion: 96	Resp: 4153760
Ion Ratio	Lower Upper
96 100	
61 124.3	92.3 171.3
68 0.0	0.4 0.8





#25

Chloroform

Concen: 0.811 ug/L

RT: 4.381 min Scan# 1103

Delta R.T. 0.003 min

Lab File: VV023361.D

Acq: 11 Nov 2021 03:21

Instrument :

MSVOA_V

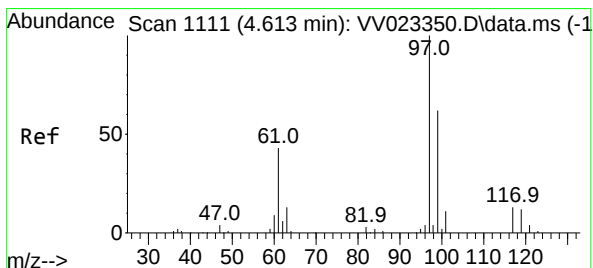
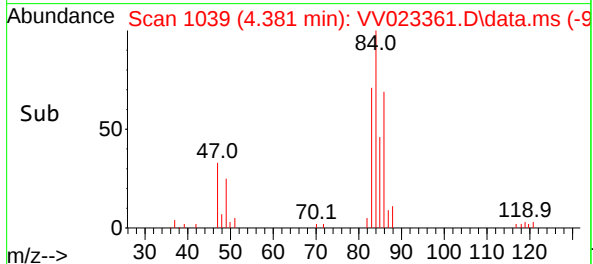
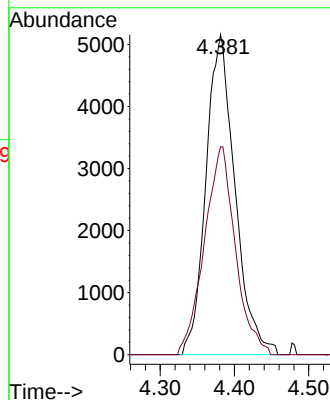
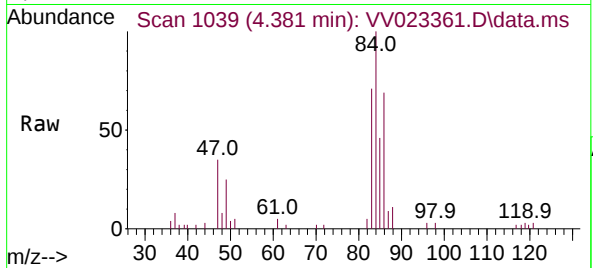
ClientSampleId :

Tgt Ion: 83 Resp: 14019

Ion Ratio Lower Upper

83 100

85 65.0 46.8 86.8



#29

1,1,1-Trichloroethane

Concen: 3.519 ug/L

RT: 4.613 min Scan# 1111

Delta R.T. -0.000 min

Lab File: VV023361.D

Acq: 11 Nov 2021 03:21

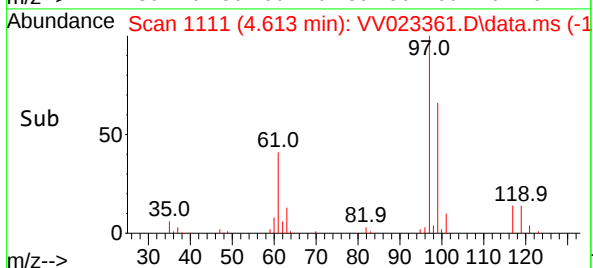
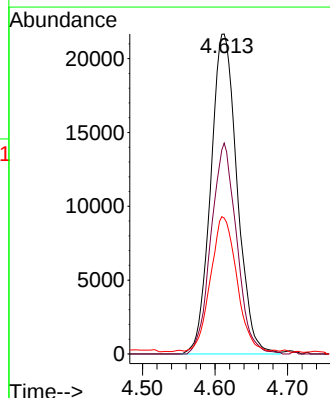
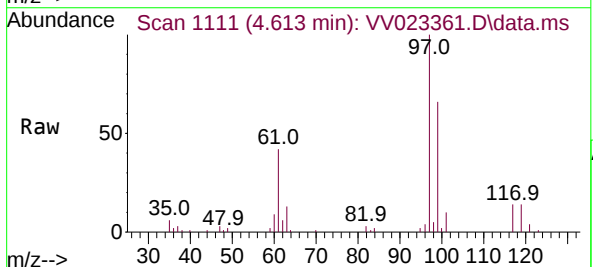
Tgt Ion: 97 Resp: 54825

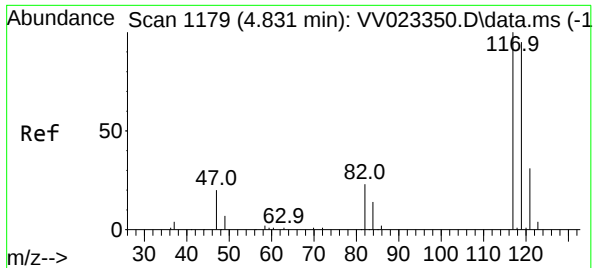
Ion Ratio Lower Upper

97 100

99 63.8 51.0 76.4

61 41.3 34.1 51.1

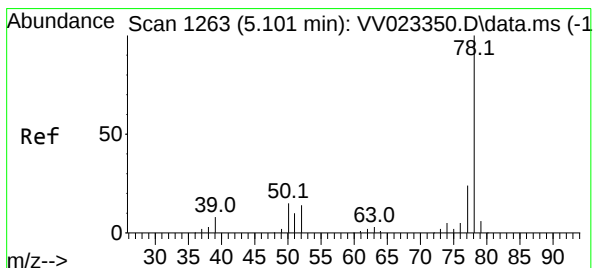
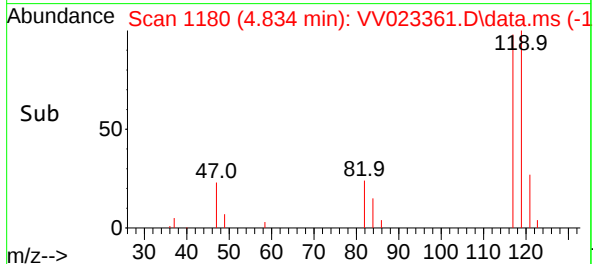
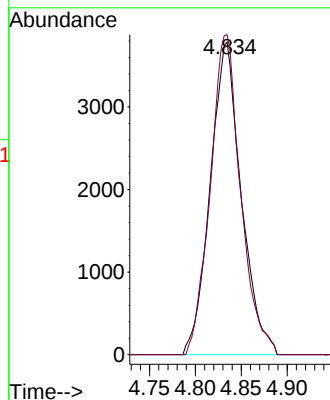
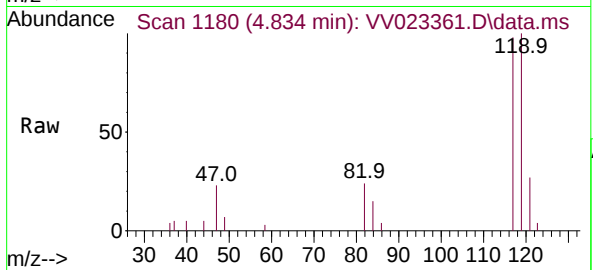




#31
Carbon tetrachloride
Concen: 0.636 ug/L
RT: 4.834 min Scan# 1179
Delta R.T. 0.003 min
Lab File: VV023361.D
Acq: 11 Nov 2021 03:21

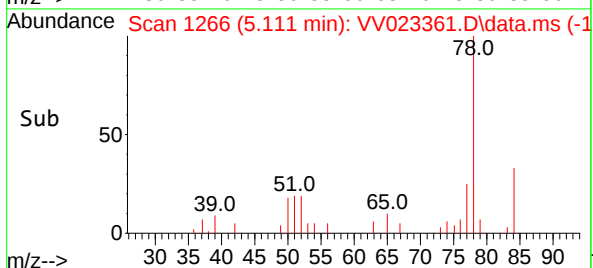
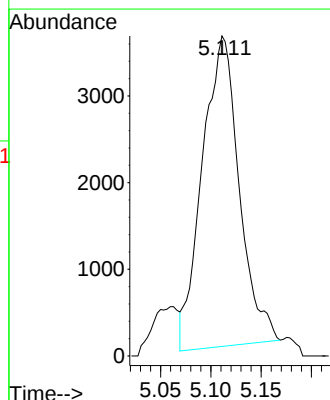
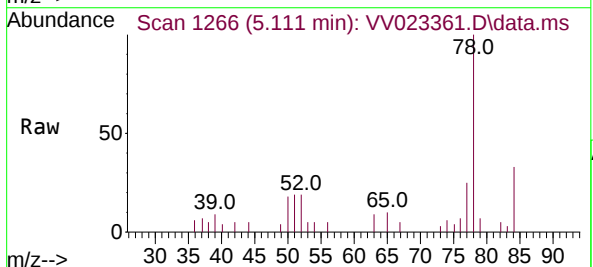
Instrument :
MSVOA_V
ClientSampleId :

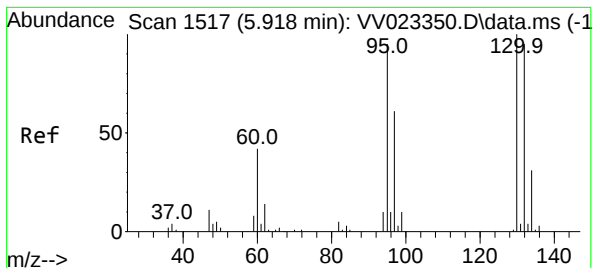
Tgt Ion:117 Resp: 8897
Ion Ratio Lower Upper
117 100
119 100.2 78.8 118.2



#33
Benzene
Concen: 0.255 ug/L
RT: 5.111 min Scan# 1266
Delta R.T. 0.010 min
Lab File: VV023361.D
Acq: 11 Nov 2021 03:21

Tgt Ion: 78 Resp: 9156





#34

Trichloroethene

Concen: 1216.670 ug/L

RT: 5.924 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV023361.D

Acq: 11 Nov 2021 03:21

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp:11601274

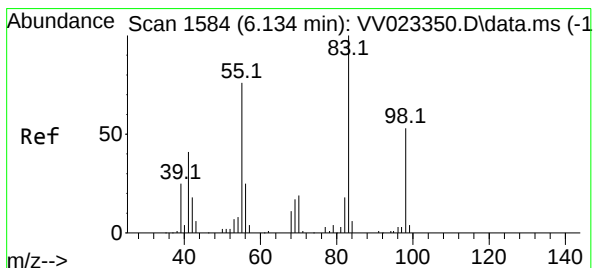
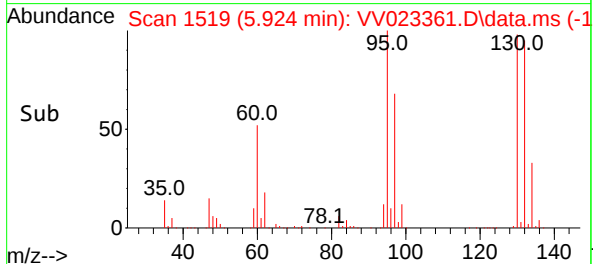
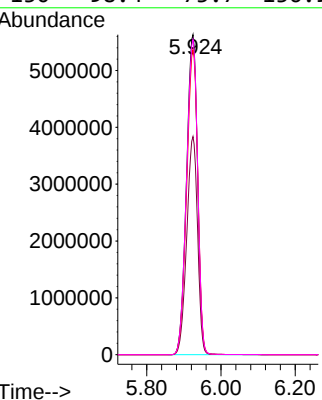
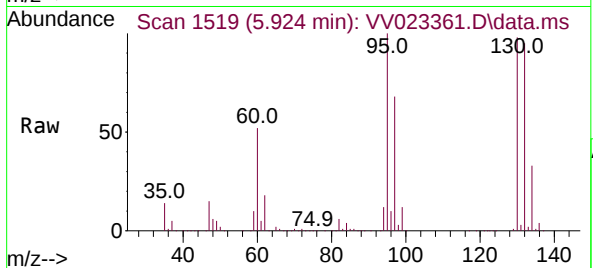
Ion Ratio Lower Upper

95 100

97 68.2 45.0 83.6

132 95.4 69.7 129.4

130 98.4 73.7 136.9



#35

Methylcyclohexane

Concen: 0.726 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.061 min

Lab File: VV023361.D

Acq: 11 Nov 2021 03:21

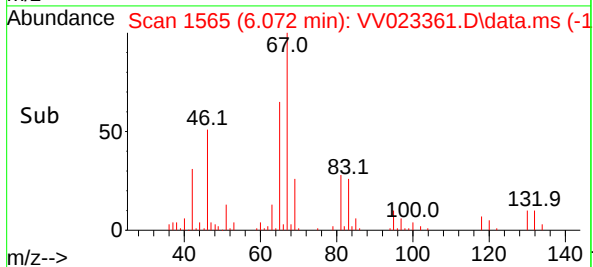
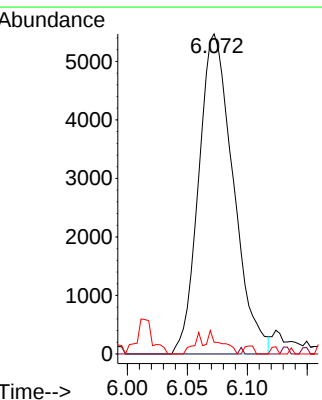
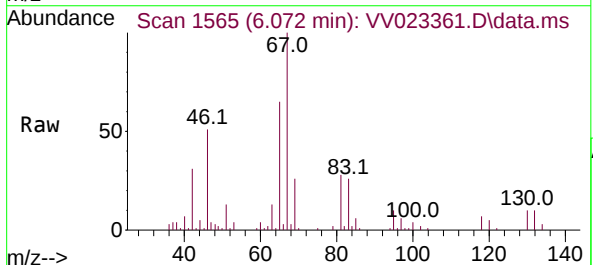
Tgt Ion: 83 Resp: 10920

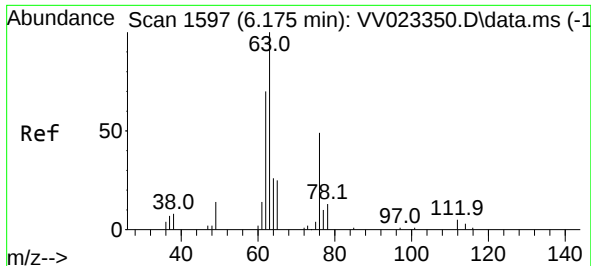
Ion Ratio Lower Upper

83 100

55 0.2 62.8 94.2#

98 0.0 37.9 56.9#





#37

1,2-Dichloropropane

Concen: 0.637 ug/L

RT: 6.072 min Scan# 11

Delta R.T. -0.103 min

Lab File: VV023361.D

Acq: 11 Nov 2021 03:21

Instrument :

MSVOA_V

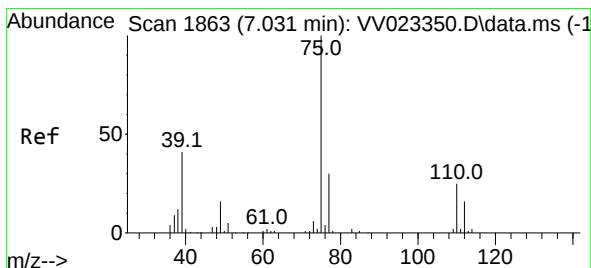
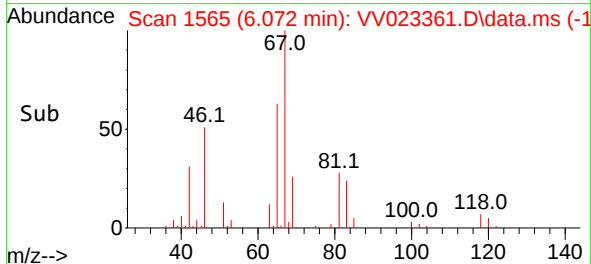
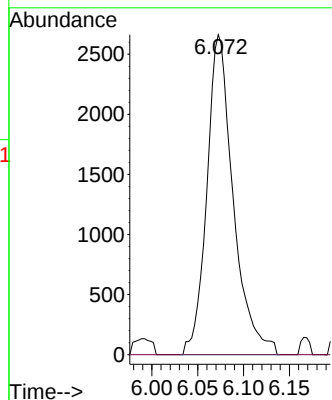
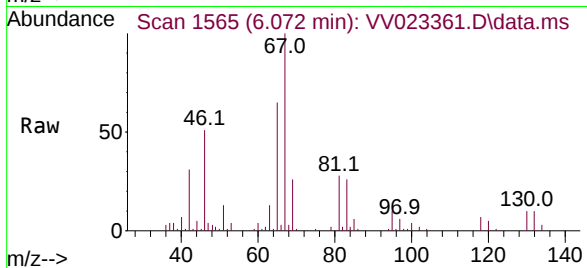
ClientSampleId :

Tgt Ion: 63 Resp: 5330

Ion Ratio Lower Upper

63 100

112 0.0 4.6 6.8#



#39

cis-1,3-Dichloropropene

Concen: 0.080 ug/L

RT: 6.995 min Scan# 1852

Delta R.T. -0.035 min

Lab File: VV023361.D

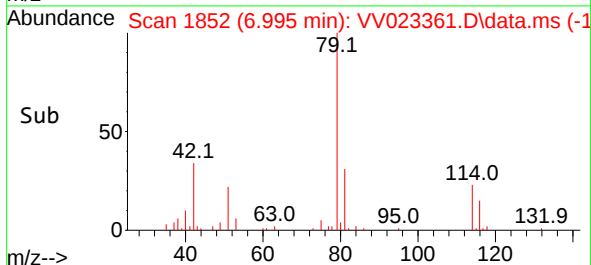
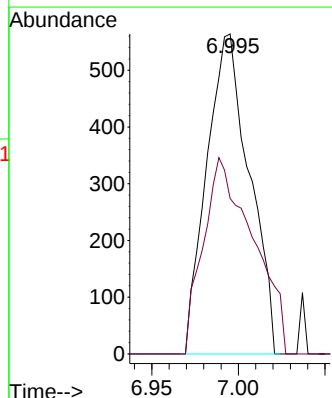
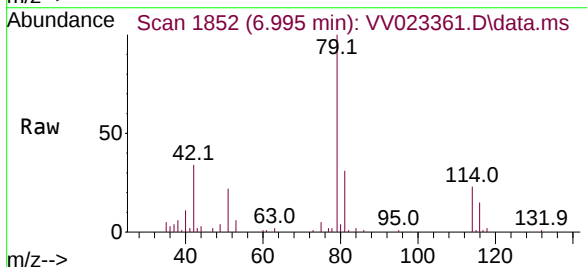
Acq: 11 Nov 2021 03:21

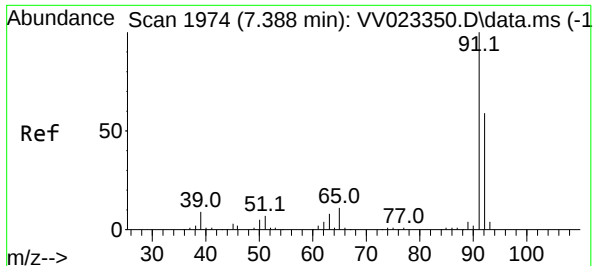
Tgt Ion: 75 Resp: 966

Ion Ratio Lower Upper

75 100

77 48.6 21.6 40.2#

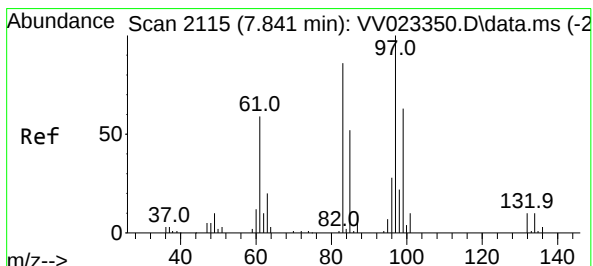
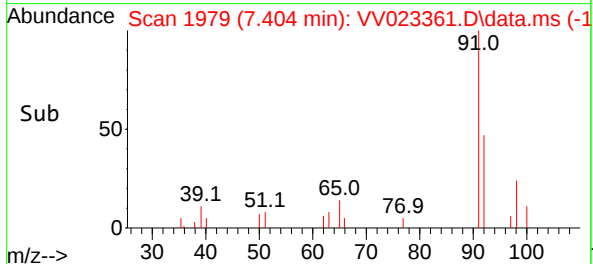
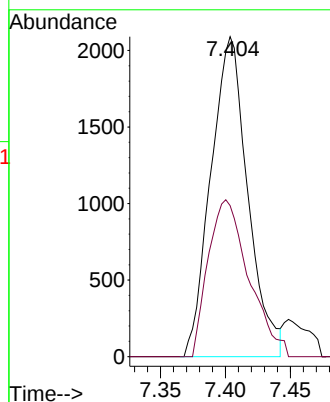
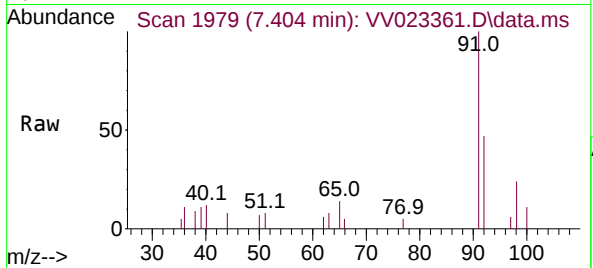




#42
Toluene
Concen: 0.108 ug/L
RT: 7.404 min Scan# 1974
Delta R.T. 0.016 min
Lab File: VV023361.D
Acq: 11 Nov 2021 03:21

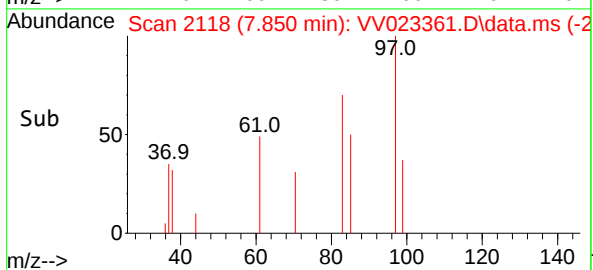
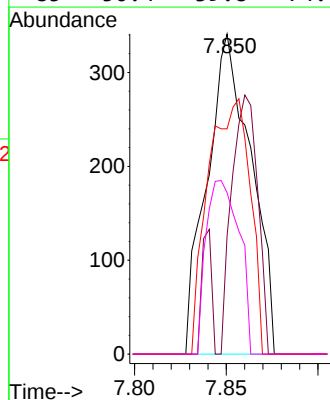
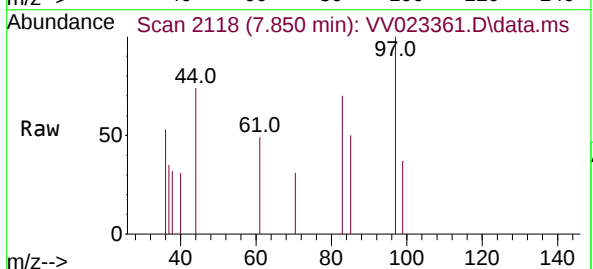
Instrument :
MSVOA_V
ClientSampleId :

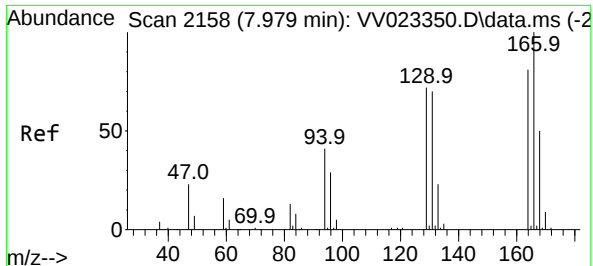
Tgt Ion: 91 Resp: 4134
Ion Ratio Lower Upper
91 100
92 47.2 39.3 72.9



#45
1,1,2-Trichloroethane
Concen: 0.094 ug/L
RT: 7.850 min Scan# 2118
Delta R.T. 0.010 min
Lab File: VV023361.D
Acq: 11 Nov 2021 03:21

Tgt Ion: 97 Resp: 567
Ion Ratio Lower Upper
97 100
99 37.0 43.6 81.0#
83 70.4 58.4 108.4
85 50.4 39.8 74.0





#47

Tetrachloroethene

Concen: 13.714 ug/L

RT: 7.976 min Scan# 2158

Delta R.T. -0.003 min

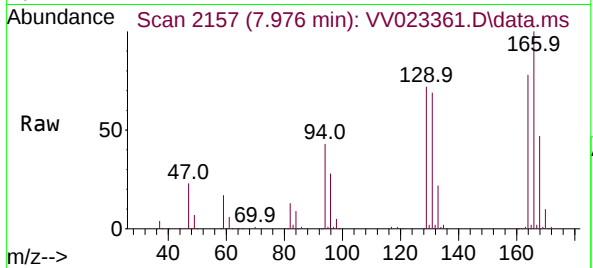
Lab File: VV023361.D

Acq: 11 Nov 2021 03:21

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 113329

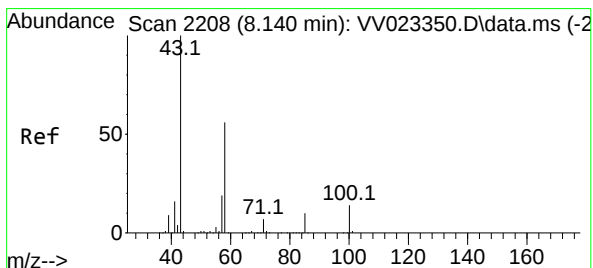
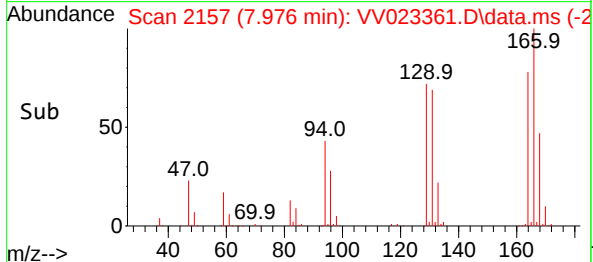
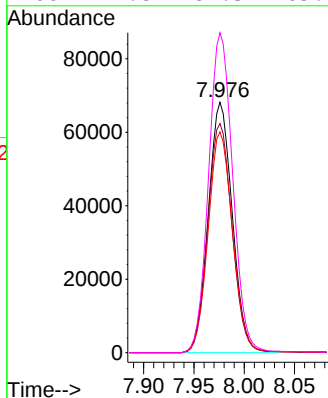
Ion Ratio Lower Upper

164 100

129 91.6 64.0 119.0

131 88.2 63.4 117.8

166 127.8 89.3 165.9



#48

2-Hexanone

Concen: 3.006 ug/L

RT: 8.092 min Scan# 2193

Delta R.T. -0.048 min

Lab File: VV023361.D

Acq: 11 Nov 2021 03:21

Tgt Ion: 43 Resp: 8178

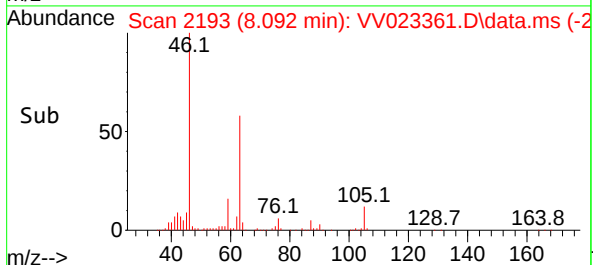
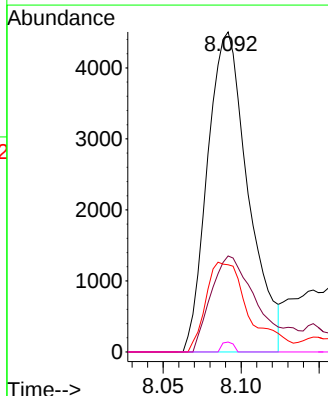
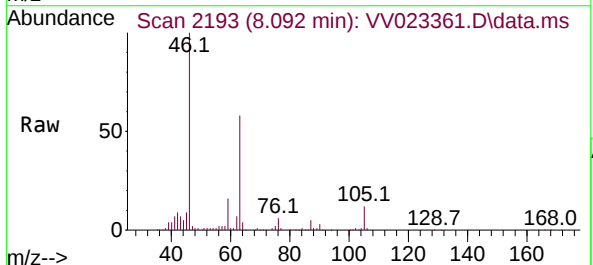
Ion Ratio Lower Upper

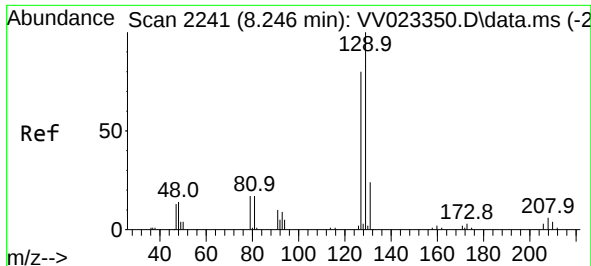
43 100

58 36.2 43.7 65.5#

57 29.9 14.1 21.1#

100 0.9 10.2 15.2#

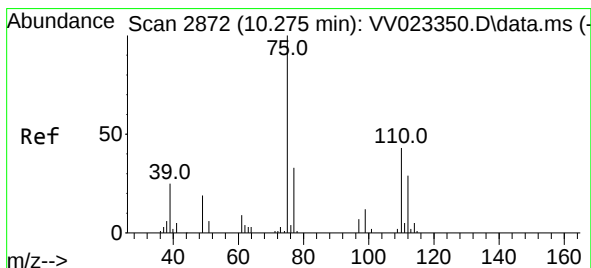
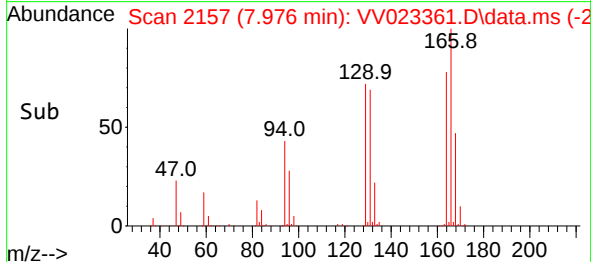
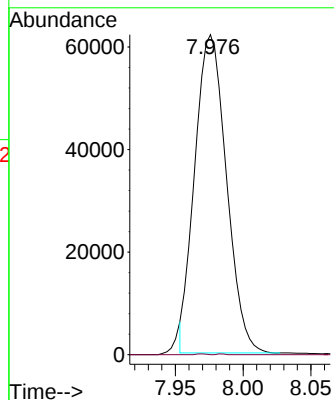
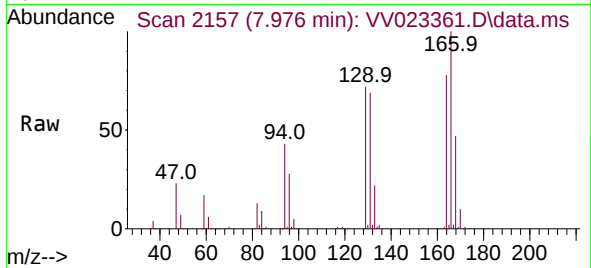




#49
Dibromochloromethane
Concen: 13.226 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.270 min
Lab File: VV023361.D
Acq: 11 Nov 2021 03:21

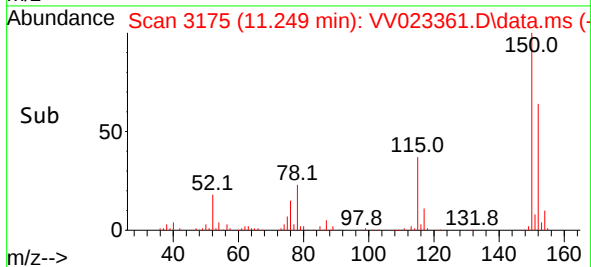
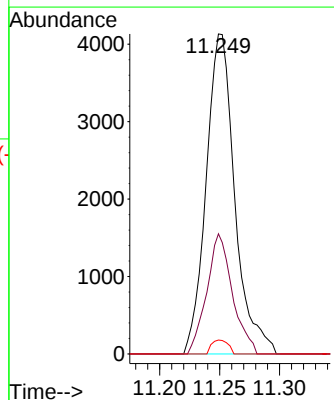
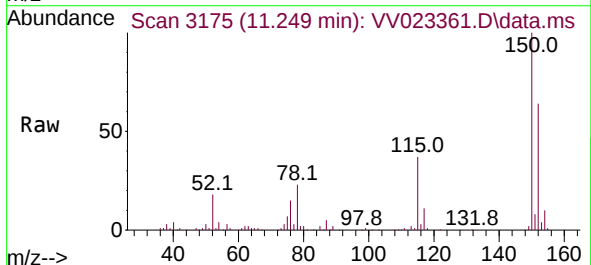
Instrument :
MSVOA_V
ClientSampleId :

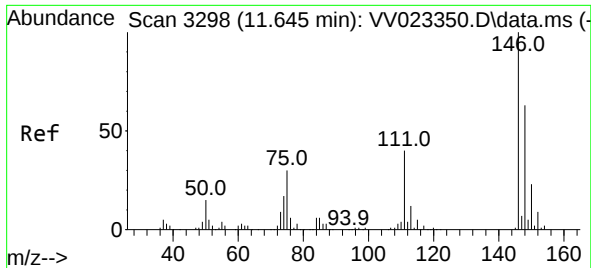
Tgt Ion:129 Resp: 100792
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.7#



#61
1,2,3-Trichloropropane
Concen: 1.748 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.974 min
Lab File: VV023361.D
Acq: 11 Nov 2021 03:21

Tgt Ion: 75 Resp: 6852
Ion Ratio Lower Upper
75 100
77 33.6 26.6 39.8
110 2.5 31.8 47.6#





#67

1,2-Dichlorobenzene

Concen: 0.081 ug/L

RT: 11.645 min Scan# 31

Delta R.T. -0.000 min

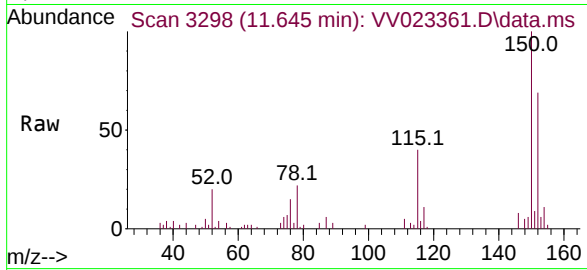
Lab File: VV023361.D

Acq: 11 Nov 2021 03:21

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:	146	Resp:	1248
Ion	Ratio	Lower	Upper
146	100		
111	59.0	31.6	47.4#
148	65.1	51.0	76.6

