

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111221\
 Data File : VW023463.D
 Acq On : 13 Nov 2021 00:01
 Operator : SY/MD
 Sample : M4616-07
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 13 02:00:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Nov 13 01:39:11 2021
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	116425	5.000	ug/L	-0.02
28) Chlorobenzene-d5	8.854	117	119815	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	50890	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	49493	6.786	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 135.800%#		
7) Chloroethane-d5	1.568	69	36512	6.142	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 122.800%		
11) 1,1-Dichloroethene-d2	2.108	63	63219	4.630	ug/L	-0.01
Spiked Amount	5.000	Range 60 - 125	Recovery	= 92.600%		
20) 2-Butanone-d5	3.896	46	82393	65.571	ug/L	-0.09
Spiked Amount	50.000	Range 40 - 130	Recovery	= 131.140%#		
24) Chloroform-d	4.349	84	82576	5.313	ug/L	-0.01
Spiked Amount	5.000	Range 70 - 125	Recovery	= 106.200%		
26) 1,2-Dichloroethane-d4	5.034	65	41059	5.874	ug/L	-0.02
Spiked Amount	5.000	Range 70 - 130	Recovery	= 117.400%		
32) Benzene-d6	5.050	84	162268	5.278	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 105.600%		
36) 1,2-Dichloropropane-d6	6.072	67	48574	5.368	ug/L	-0.02
Spiked Amount	5.000	Range 60 - 140	Recovery	= 107.400%		
41) Toluene-d8	7.317	98	141271	4.904	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 98.000%		
43) trans-1,3-Dichloroprop...	7.625	79	17026	4.962	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 99.200%		
46) 2-Hexanone-d5	8.091	63	60092	47.596	ug/L	-0.02
Spiked Amount	50.000	Range 45 - 130	Recovery	= 95.200%		
56) 1,1,2,2-Tetrachloroeth...	10.217	84	31356	4.818	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 96.400%		
66) 1,2-Dichlorobenzene-d4	11.625	152	52197	6.160	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 123.200%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.130	85	8601	0.758	ug/L	96
3) Chloromethane	1.243	50	573	0.059	ug/L	100
9) Trichlorofluoromethane	1.754	101	5340	0.369	ug/L	99
12) 1,1-Dichloroethene	2.111	96	1081	0.156	ug/L #	1
17) Methyl tert-butyl Ether	2.777	73	1251	0.082	ug/L #	72
22) cis-1,2-Dichloroethene	3.921	96	7485	0.911	ug/L #	83
31) Carbon tetrachloride	4.825	117	2163	0.166	ug/L	94
34) Trichloroethene	5.915	95	67061	7.530	ug/L	96
35) Methylcyclohexane	6.069	83	11989	0.853	ug/L #	18
37) 1,2-Dichloropropane	6.066	63	5882	0.752	ug/L #	83
39) cis-1,3-Dichloropropene	6.989	75	1347	0.120	ug/L #	76
45) 1,1,2-Trichloroethane	7.973	97	3381	0.602	ug/L #	1
47) Tetrachloroethene	7.976	164	412077	53.391	ug/L	99
48) 2-Hexanone	8.146	43	9056	3.564	ug/L #	84
49) Dibromochloromethane	7.976	129	319607	44.904	ug/L #	10
61) 1,2,3-Trichloropropane	11.252	75	5669	1.677	ug/L #	66

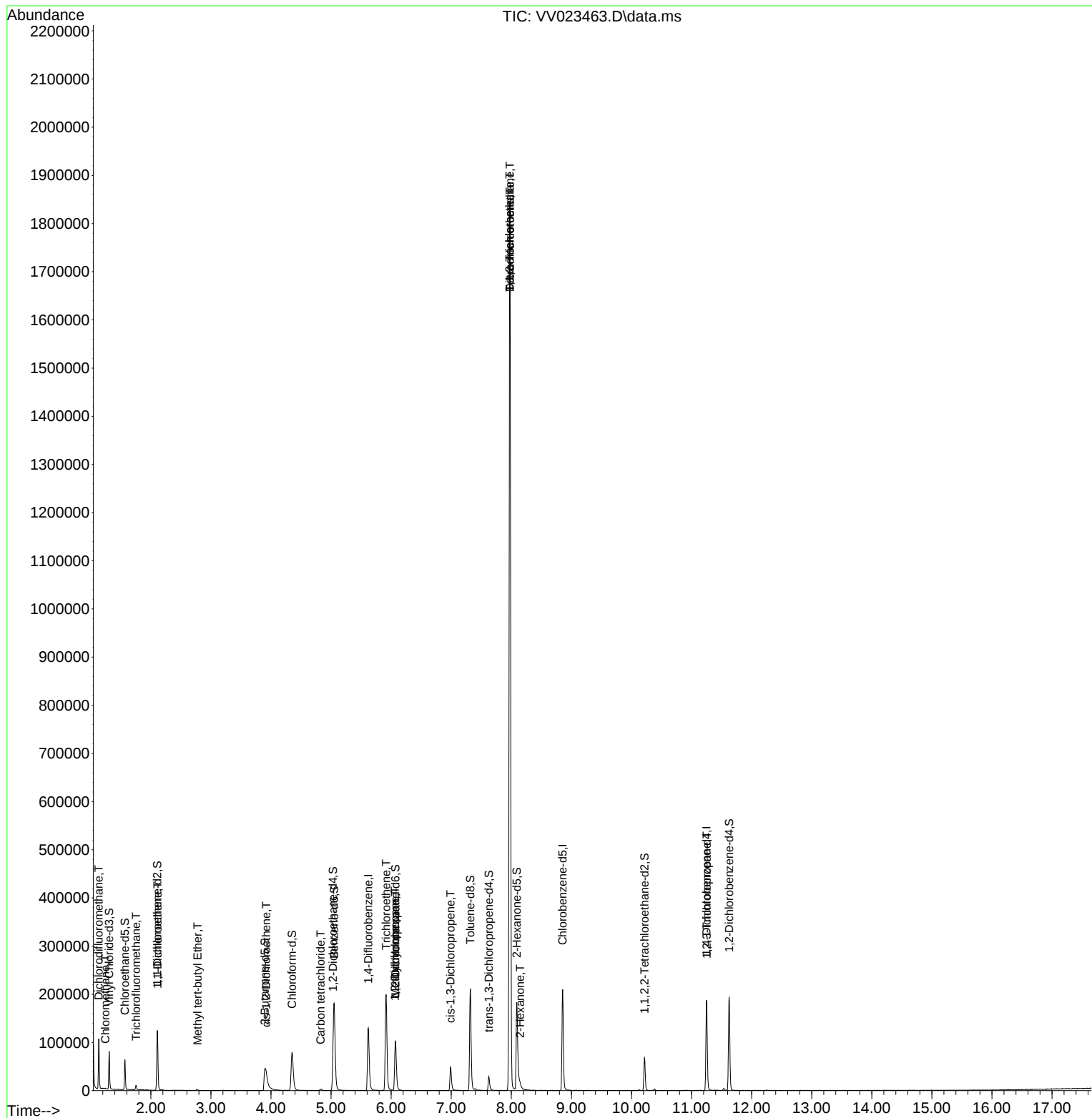
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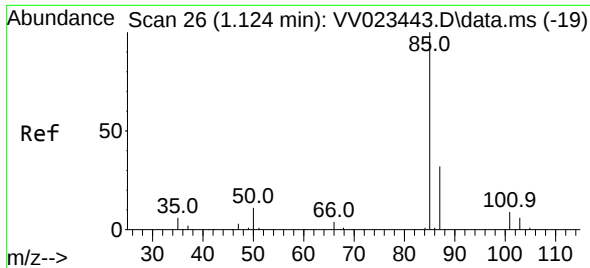
Instrument :
MSVOA_V
ClientSampleId :

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111221\
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Nov 13 01:39:11 2021
Response via : Initial Calibration

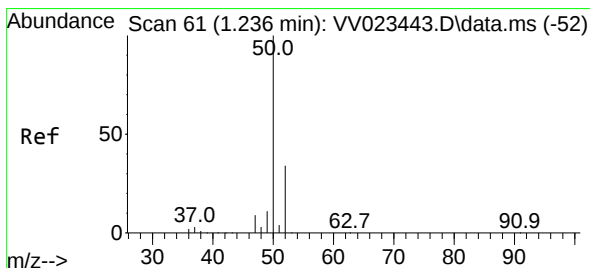
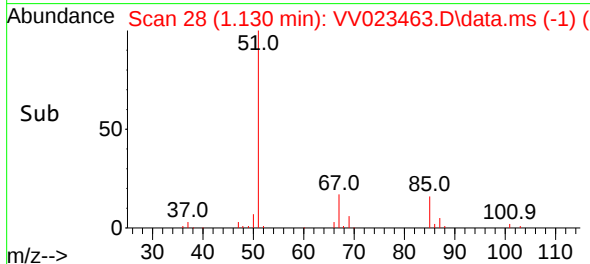
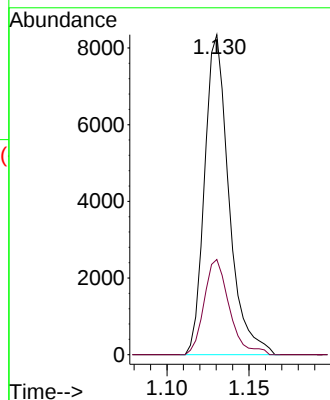
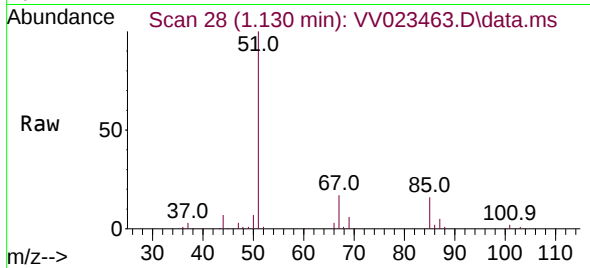




#2
 Dichlorodifluoromethane
 Concen: 0.758 ug/L
 RT: 1.130 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VV023463.D
 Acq: 13 Nov 2021 00:01

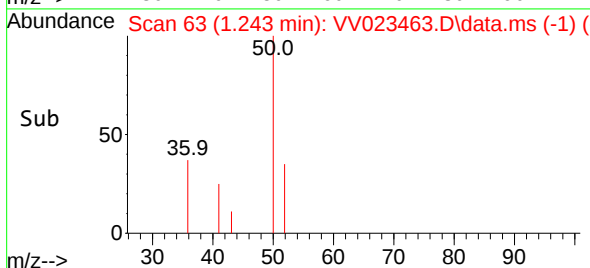
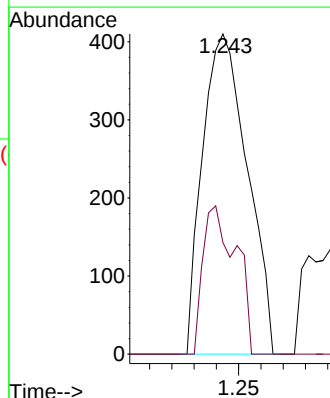
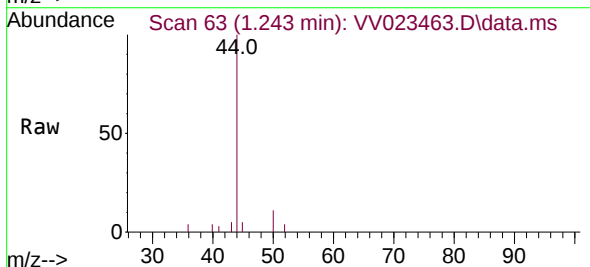
Instrument :
 MSVOA_V
 ClientSampleId :

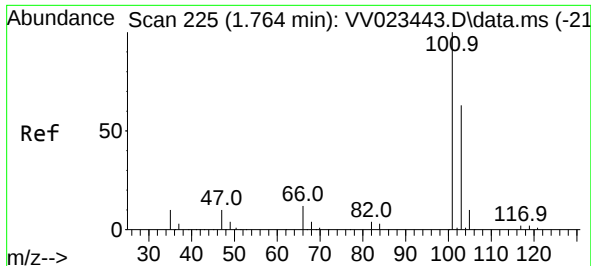
Tgt Ion: 85 Resp: 8601
 Ion Ratio Lower Upper
 85 100
 87 30.8 26.6 39.8



#3
 Chloromethane
 Concen: 0.059 ug/L
 RT: 1.243 min Scan# 63
 Delta R.T. 0.006 min
 Lab File: VV023463.D
 Acq: 13 Nov 2021 00:01

Tgt Ion: 50 Resp: 573
 Ion Ratio Lower Upper
 50 100
 52 34.9 24.3 45.1

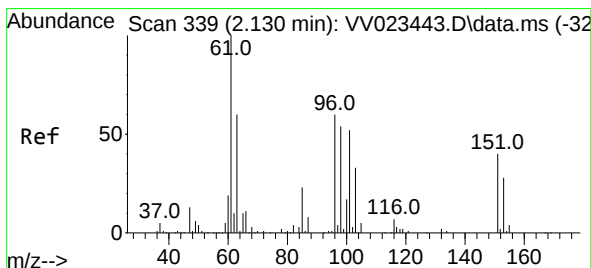
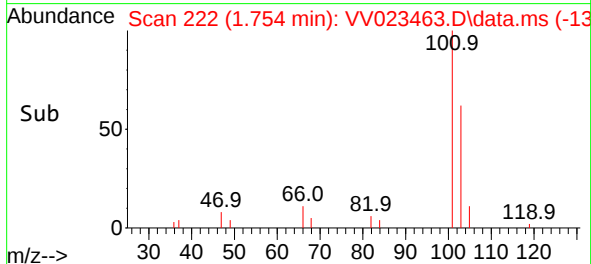
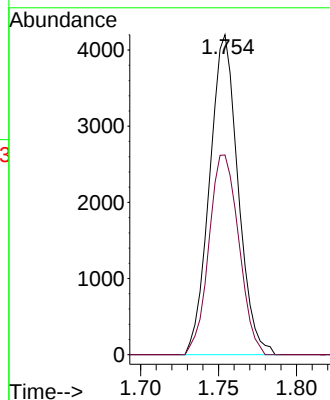
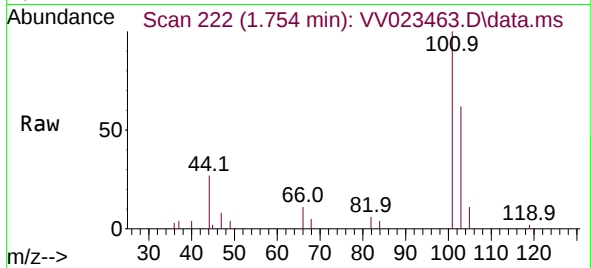




#9
 Trichlorofluoromethane
 Concen: 0.369 ug/L
 RT: 1.754 min Scan# 21
 Delta R.T. -0.010 min
 Lab File: VV023463.D
 Acq: 13 Nov 2021 00:01

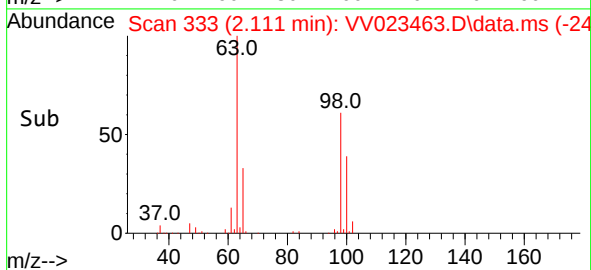
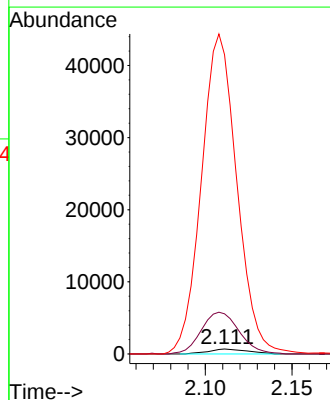
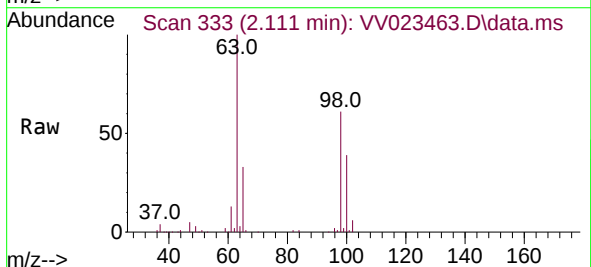
Instrument :
 MSVOA_V
 ClientSampleId :

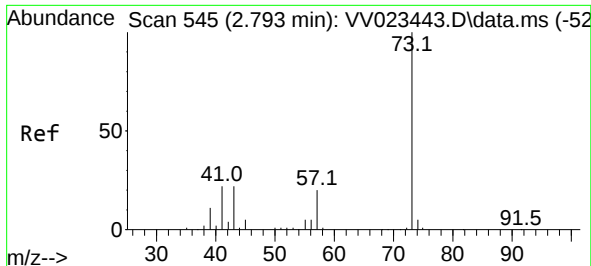
Tgt Ion:101 Resp: 5340
 Ion Ratio Lower Upper
 101 100
 103 65.4 52.6 79.0



#12
 1,1-Dichloroethene
 Concen: 0.156 ug/L
 RT: 2.111 min Scan# 333
 Delta R.T. -0.019 min
 Lab File: VV023463.D
 Acq: 13 Nov 2021 00:01

Tgt Ion: 96 Resp: 1081
 Ion Ratio Lower Upper
 96 100
 61 816.3 121.5 225.7#
 63 6076.7 99.6 185.0#





#17

Methyl tert-butyl Ether

Concen: 0.082 ug/L

RT: 2.777 min Scan# 54

Delta R.T. -0.016 min

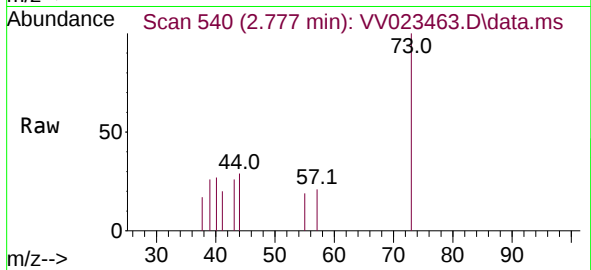
Lab File: VV023463.D

Acq: 13 Nov 2021 00:01

Instrument :

MSVOA_V

ClientSampleId :



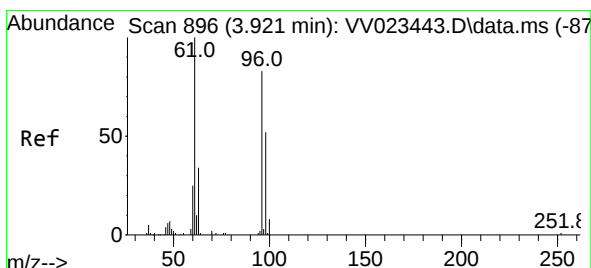
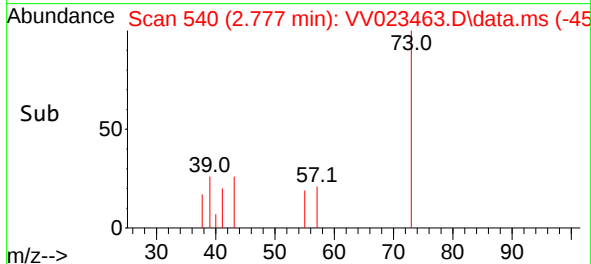
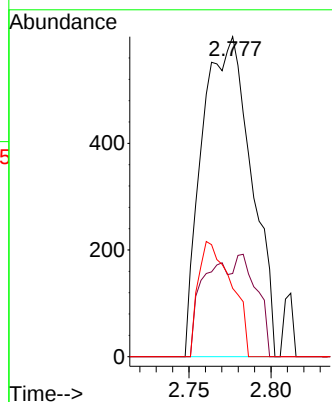
Tgt Ion: 73 Resp: 1251

Ion Ratio Lower Upper

73 100

43 16.2 17.4 26.0#

57 0.0 16.5 24.7#



#22

cis-1,2-Dichloroethene

Concen: 0.911 ug/L

RT: 3.921 min Scan# 896

Delta R.T. -0.000 min

Lab File: VV023463.D

Acq: 13 Nov 2021 00:01

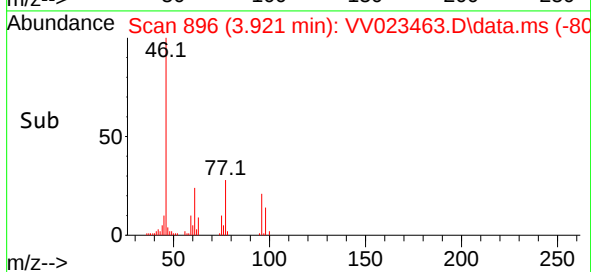
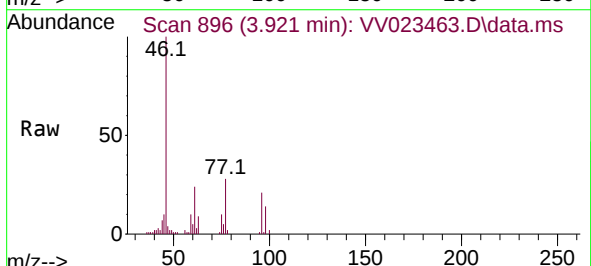
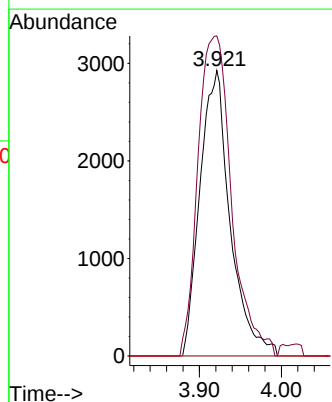
Tgt Ion: 96 Resp: 7485

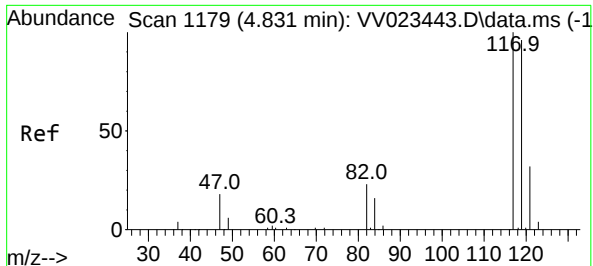
Ion Ratio Lower Upper

96 100

61 112.1 92.3 171.3

68 0.0 0.4 0.8#

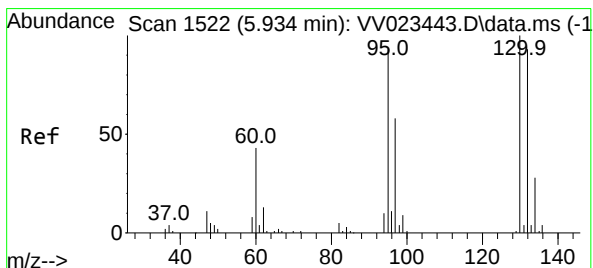
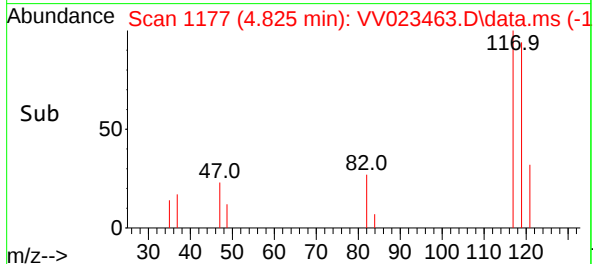
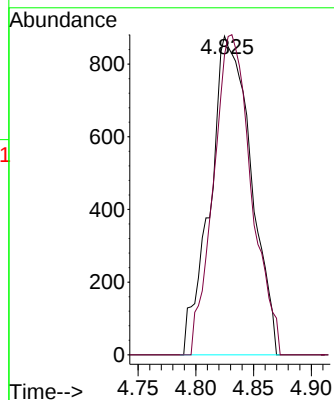
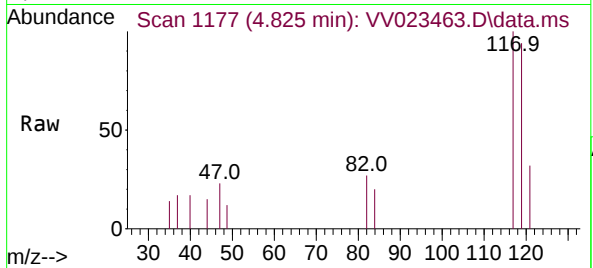




#31
Carbon tetrachloride
Concen: 0.166 ug/L
RT: 4.825 min Scan# 1179
Delta R.T. -0.006 min
Lab File: VV023463.D
Acq: 13 Nov 2021 00:01

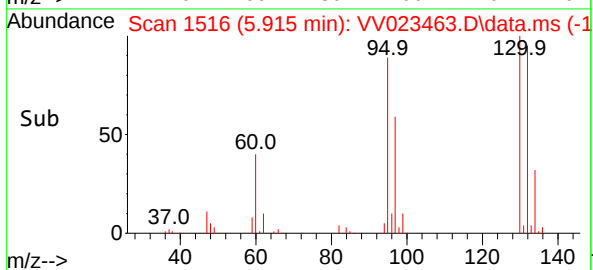
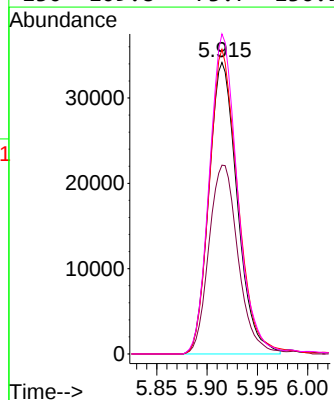
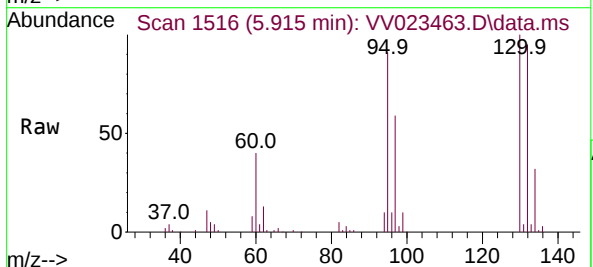
Instrument :
MSVOA_V
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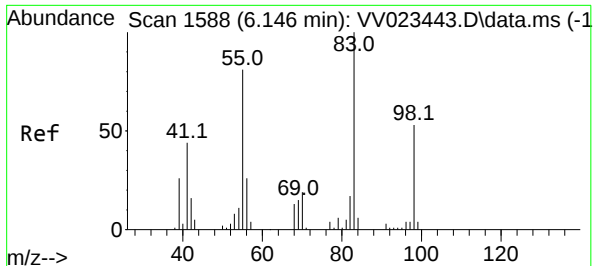
Tgt Ion:117 Resp: 2163
Ion Ratio Lower Upper
117 100
119 92.7 78.8 118.2



#34
Trichloroethene
Concen: 7.530 ug/L
RT: 5.915 min Scan# 1516
Delta R.T. -0.019 min
Lab File: VV023463.D
Acq: 13 Nov 2021 00:01

Tgt Ion: 95 Resp: 67061
Ion Ratio Lower Upper
95 100
97 64.8 45.0 83.6
132 104.5 69.7 129.4
130 109.8 73.7 136.9





#35

Methylcyclohexane

Concen: 0.853 ug/L

RT: 6.069 min Scan# 1563

Delta R.T. -0.077 min

Lab File: VV023463.D

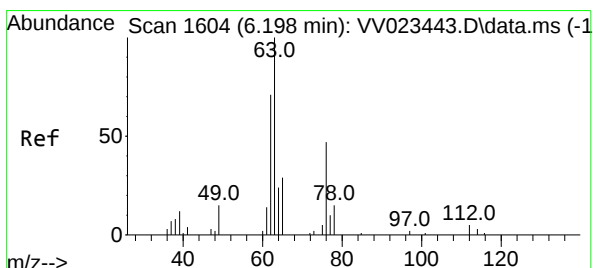
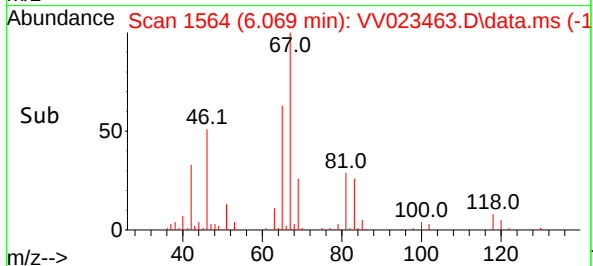
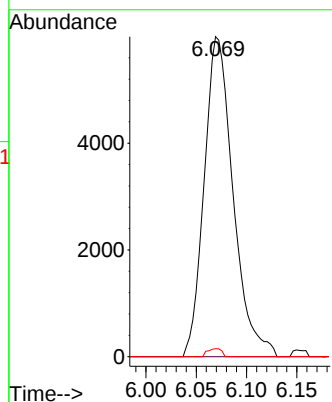
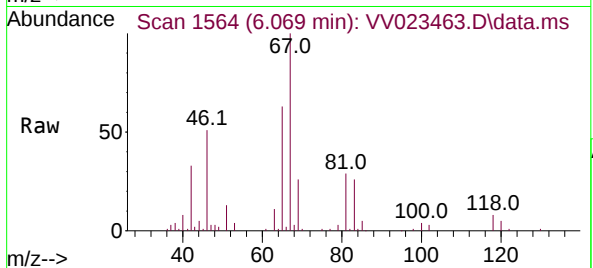
Acq: 13 Nov 2021 00:01

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	83	Resp:	11989
Ion	Ratio	Lower	Upper
83	100		
55	0.0	62.8	94.2#
98	1.2	37.9	56.9#



#37

1,2-Dichloropropane

Concen: 0.752 ug/L

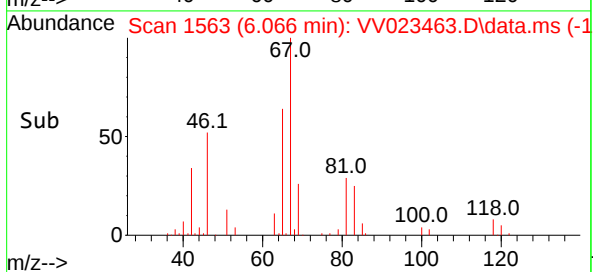
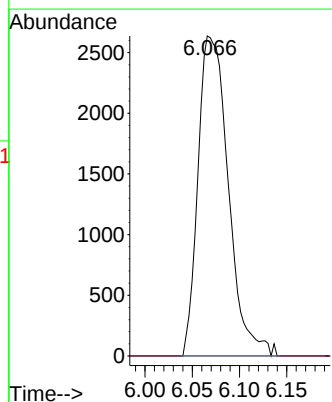
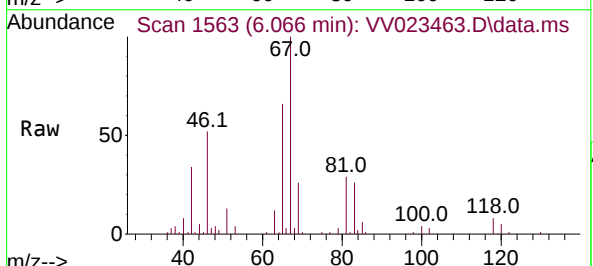
RT: 6.066 min Scan# 1563

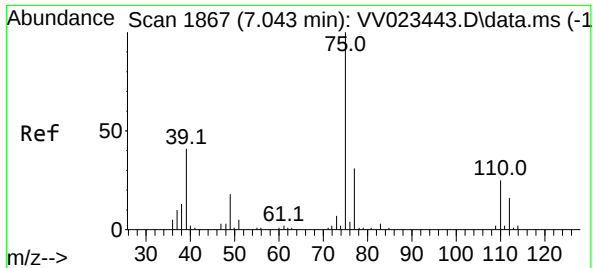
Delta R.T. -0.132 min

Lab File: VV023463.D

Acq: 13 Nov 2021 00:01

Tgt Ion:	63	Resp:	5882
Ion	Ratio	Lower	Upper
63	100		
112	0.0	4.6	6.8#





#39

cis-1,3-Dichloropropene

Concen: 0.120 ug/L

RT: 6.989 min Scan# 11

Delta R.T. -0.055 min

Lab File: VV023463.D

Acq: 13 Nov 2021 00:01

Instrument :

MSVOA_V

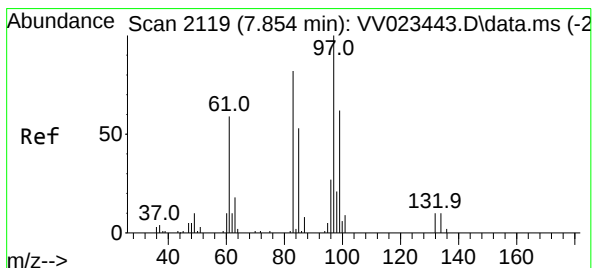
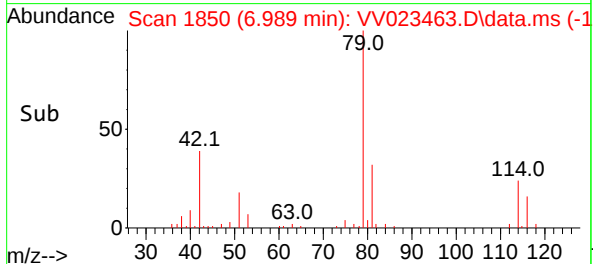
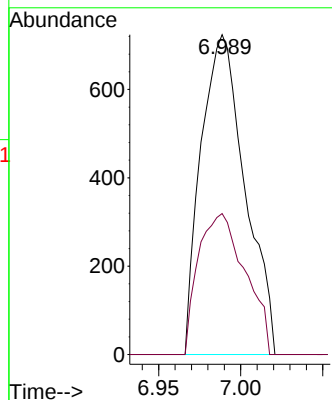
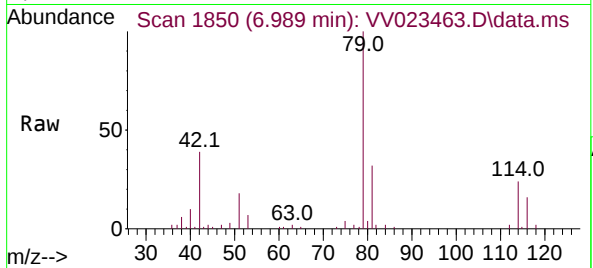
ClientSampleId :

Tgt Ion: 75 Resp: 1347

Ion Ratio Lower Upper

75 100

77 44.1 21.6 40.2#



#45

1,1,2-Trichloroethane

Concen: 0.602 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. 0.119 min

Lab File: VV023463.D

Acq: 13 Nov 2021 00:01

Tgt Ion: 97 Resp: 3381

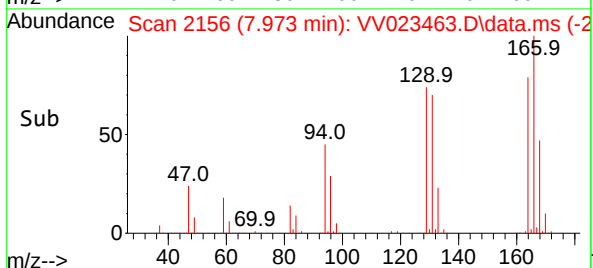
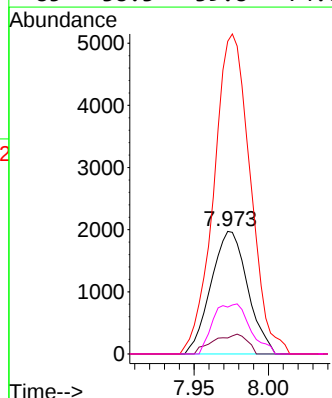
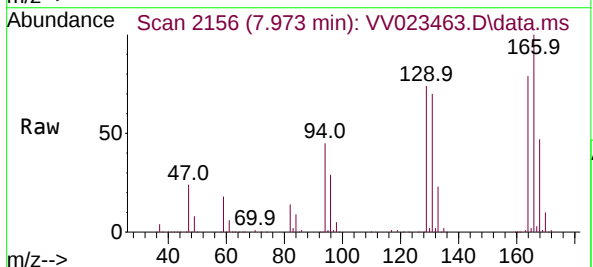
Ion Ratio Lower Upper

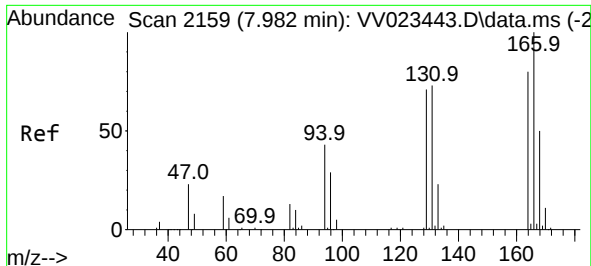
97 100

99 13.1 43.6 81.0#

83 254.9 58.4 108.4#

85 38.3 39.8 74.0#





#47

Tetrachloroethene

Concen: 53.391 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.006 min

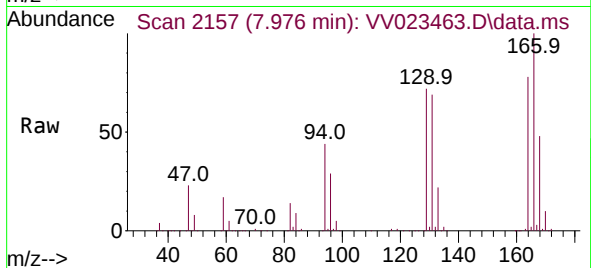
Lab File: VV023463.D

Acq: 13 Nov 2021 00:01

Instrument :

MSVOA_V

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Tgt Ion:164 Resp: 412077

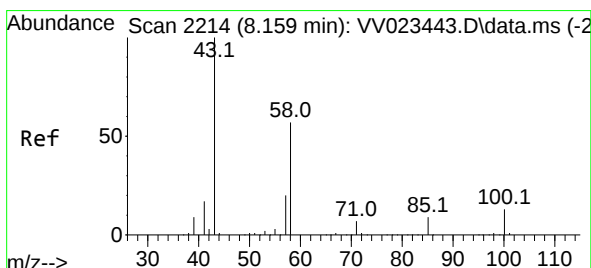
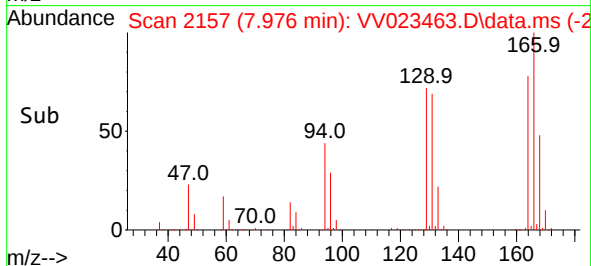
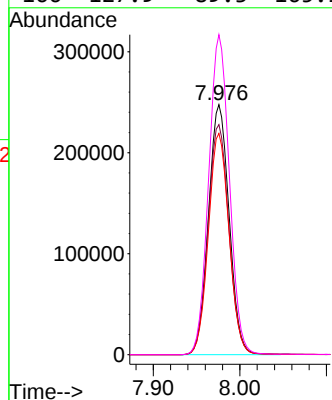
Ion Ratio Lower Upper

164 100

129 92.0 64.0 119.0

131 88.5 63.4 117.8

166 127.9 89.3 165.9



#48

2-Hexanone

Concen: 3.564 ug/L

RT: 8.146 min Scan# 2210

Delta R.T. -0.013 min

Lab File: VV023463.D

Acq: 13 Nov 2021 00:01

Tgt Ion: 43 Resp: 9056

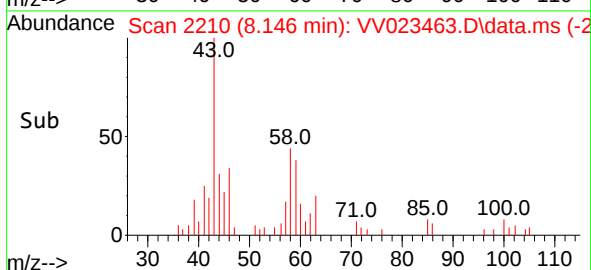
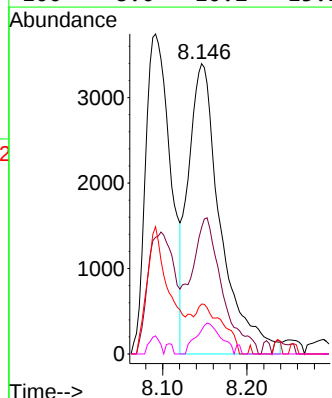
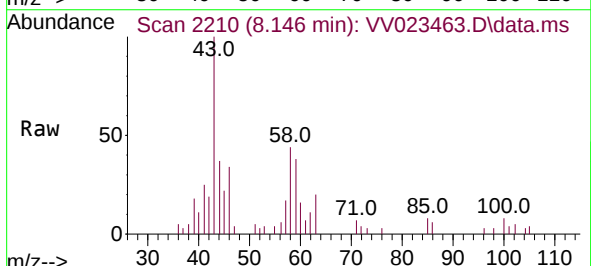
Ion Ratio Lower Upper

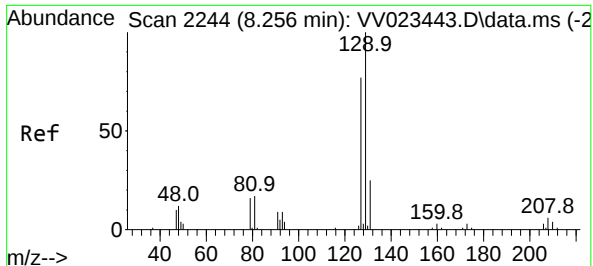
43 100

58 40.4 43.7 65.5#

57 13.7 14.1 21.1#

100 8.0 10.2 15.2#





#49

Dibromochloromethane

Concen: 44.904 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.280 min

Lab File: VV023463.D

Acq: 13 Nov 2021 00:01

Instrument :

MSVOA_V

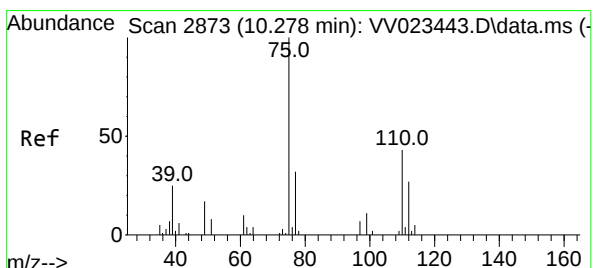
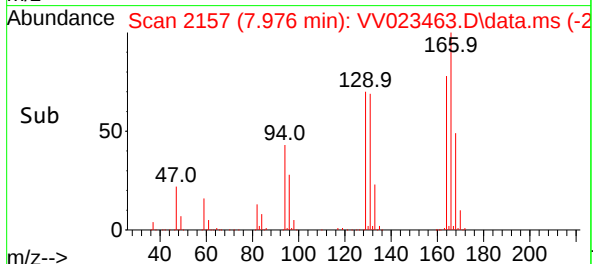
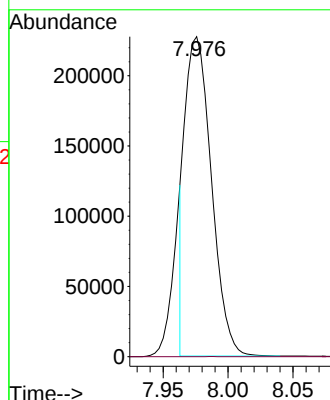
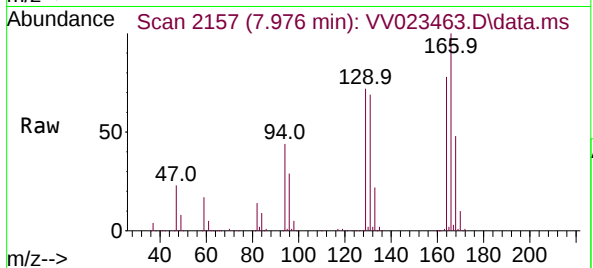
ClientSampleId :

Tgt Ion:129 Resp: 319607

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#



#61

1,2,3-Trichloropropane

Concen: 1.677 ug/L

RT: 11.252 min Scan# 3176

Delta R.T. 0.974 min

Lab File: VV023463.D

Acq: 13 Nov 2021 00:01

Tgt Ion: 75 Resp: 5669

Ion Ratio Lower Upper

75 100

77 32.2 26.6 39.8

110 2.6 31.8 47.6#

