

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW110521\
 Data File : VW023255.D
 Acq On : 06 Nov 2021 00:35
 Operator : SY/MD
 Sample : M4535-20
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 08 06:47:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Nov 08 06:44:32 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	125183	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	129283	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	59045	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	36987	4.716	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	94.400%	
7) Chloroethane-d5	1.571	69	33214	5.197	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	104.000%	
11) 1,1-Dichloroethene-d2	2.111	63	53083	3.616	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	72.400%	
20) 2-Butanone-d5	3.886	46	86210	72.760	ug/L	-0.02
Spiked Amount	50.000	Range 40 - 130	Recovery	=	145.520%#	
24) Chloroform-d	4.352	84	84776	5.072	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	101.400%	
26) 1,2-Dichloroethane-d4	5.037	65	40412	5.377	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	107.600%	
32) Benzene-d6	5.053	84	161718	4.875	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	97.600%	
36) 1,2-Dichloropropane-d6	6.072	67	50287	5.150	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	103.000%	
41) Toluene-d8	7.317	98	135952	4.374	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	87.400%	
43) trans-1,3-Dichloroprop...	7.625	79	17082	4.613	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	92.200%	
46) 2-Hexanone-d5	8.088	63	68535	50.308	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	100.620%	
56) 1,1,2,2-Tetrachloroeth...	10.217	84	34124	4.859	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	97.200%	
66) 1,2-Dichlorobenzene-d4	11.625	152	53547	5.446	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	109.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.134	85	14842	1.216	ug/L	99
3) Chloromethane	1.134	50	41790	4.027	ug/L #	73
9) Trichlorofluoromethane	1.757	101	2301	0.148	ug/L	96
12) 1,1-Dichloroethene	2.111	96	474	0.063	ug/L #	1
13) Acetone	2.182	43	2051	2.342	ug/L	92
17) Methyl tert-butyl Ether	2.773	73	1486	0.090	ug/L #	87
18) trans-1,2-Dichloroethene	2.767	96	1349	0.147	ug/L	95
22) cis-1,2-Dichloroethene	3.924	96	4617	0.523	ug/L	95
25) Chloroform	4.384	83	6422	0.389	ug/L	98
34) Trichloroethene	5.918	95	20263	2.109	ug/L	94
35) Methylcyclohexane	6.072	83	12541	0.827	ug/L #	21
37) 1,2-Dichloropropane	6.069	63	5864	0.695	ug/L #	83
38) Bromodichloromethane	6.519	83	794	0.070	ug/L #	95
39) cis-1,3-Dichloropropene	6.992	75	1154	0.095	ug/L #	45
42) Toluene	7.400	91	2443	0.063	ug/L	97
45) 1,1,2-Trichloroethane	7.972	97	1104	0.182	ug/L #	3
47) Tetrachloroethene	7.976	164	139043	16.696	ug/L	98
48) 2-Hexanone	8.153	43	3420	1.219	ug/L #	89
49) Dibromochloromethane	7.976	129	121108	15.769	ug/L #	11

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV110521\
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Quant Time: Nov 08 06:47:35 2021
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Mon Nov 08 06:44:32 2021
Response via : Initial Calibration

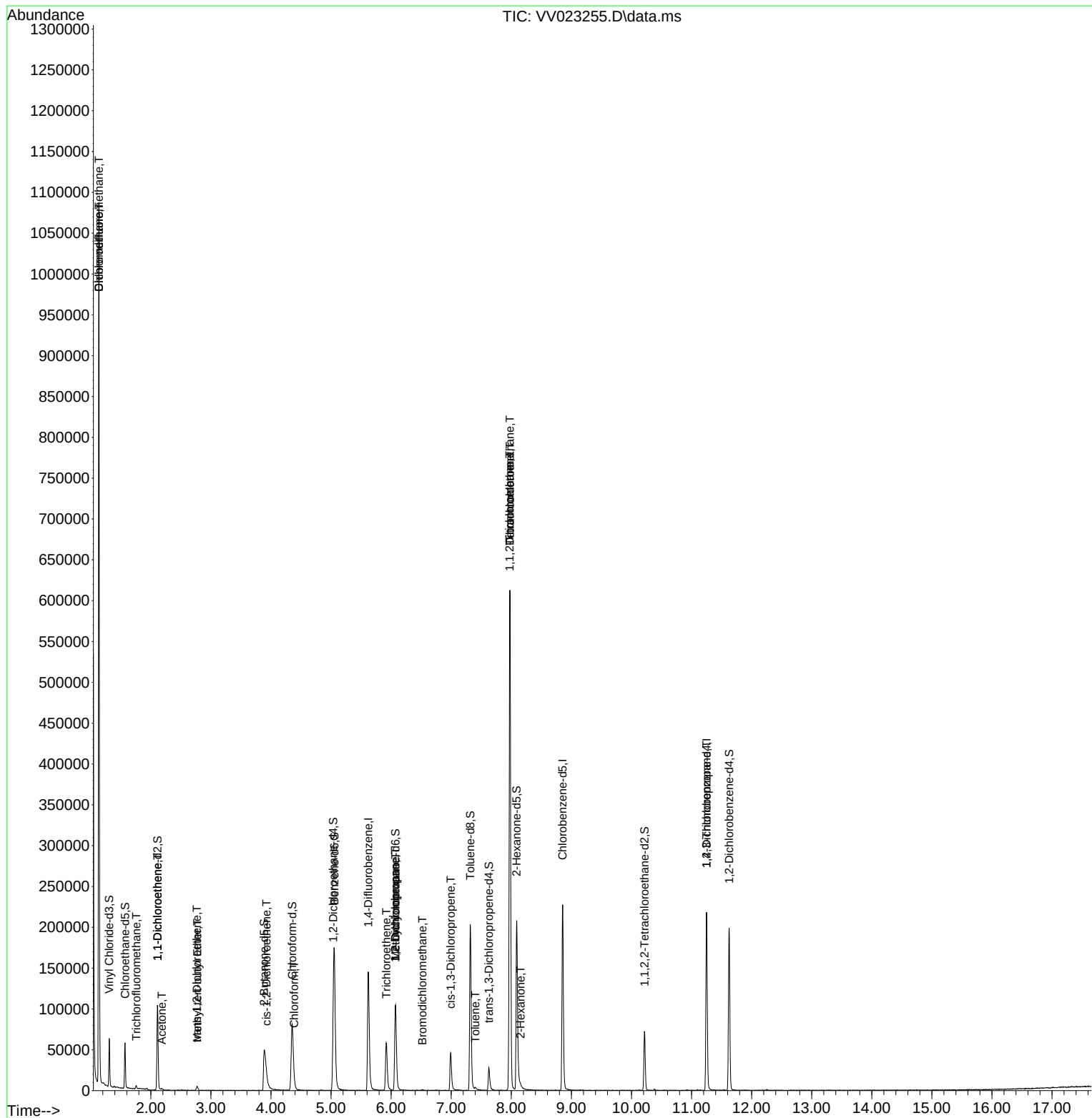
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.249	75	6296	1.605	ug/L	# 63

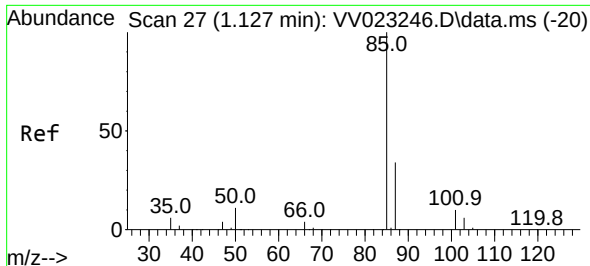
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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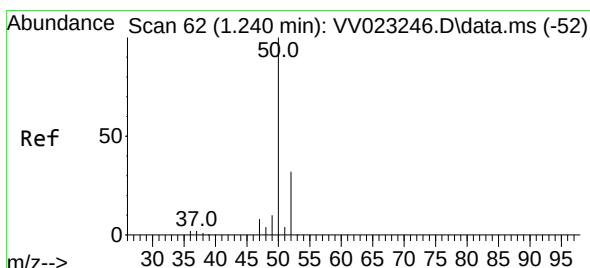
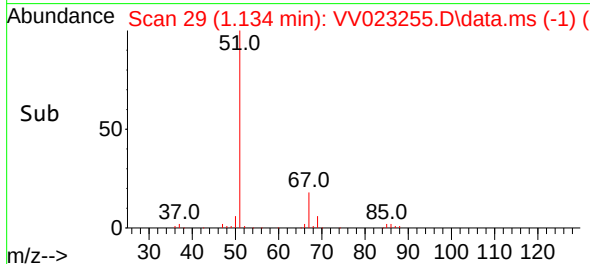
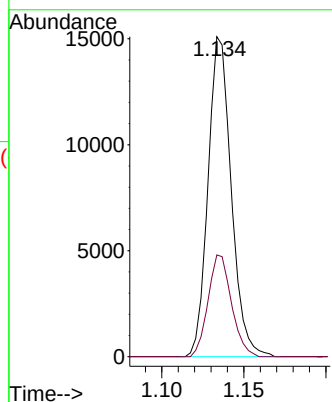
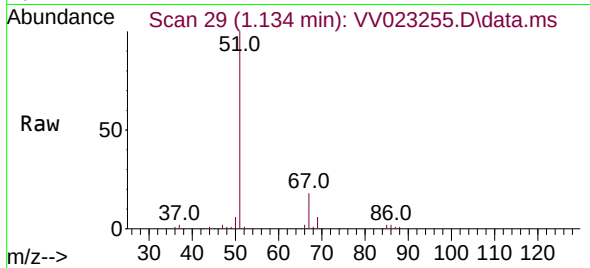




#2
 Dichlorodifluoromethane
 Concen: 1.216 ug/L
 RT: 1.134 min Scan# 29
 Delta R.T. 0.006 min
 Lab File: VV023255.D
 Acq: 06 Nov 2021 00:35

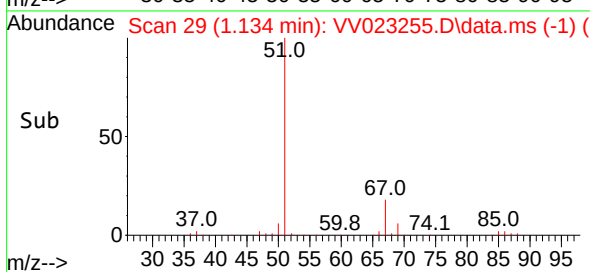
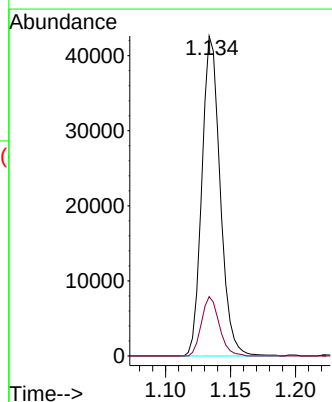
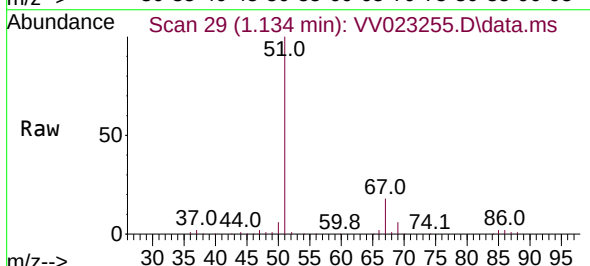
Instrument :
 MSVOA_V
 ClientSampleId :

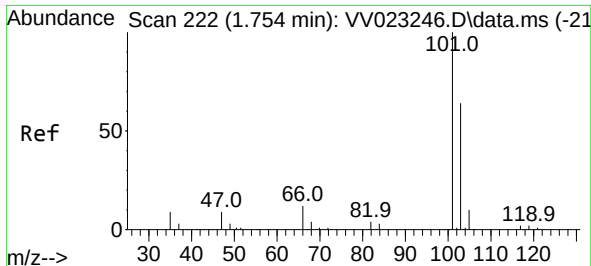
Tgt Ion: 85 Resp: 14842
 Ion Ratio Lower Upper
 85 100
 87 32.0 26.0 39.0



#3
 Chloromethane
 Concen: 4.027 ug/L
 RT: 1.134 min Scan# 29
 Delta R.T. -0.106 min
 Lab File: VV023255.D
 Acq: 06 Nov 2021 00:35

Tgt Ion: 50 Resp: 41790
 Ion Ratio Lower Upper
 50 100
 52 18.5 23.7 43.9#

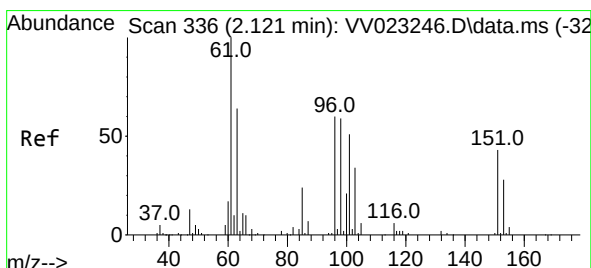
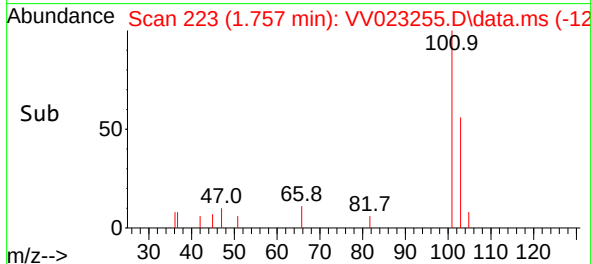
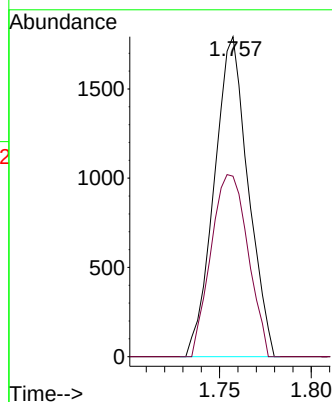
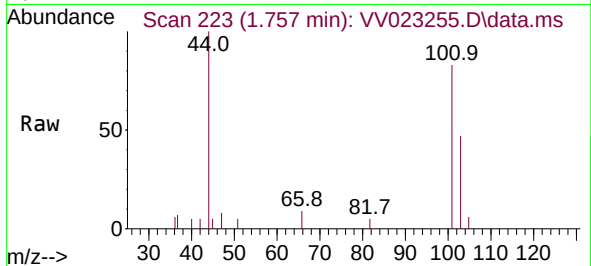




#9
Trichlorofluoromethane
Concen: 0.148 ug/L
RT: 1.757 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV023255.D
Acq: 06 Nov 2021 00:35

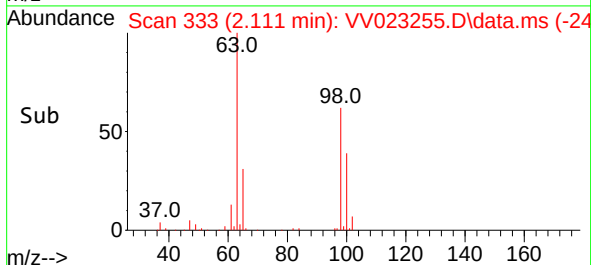
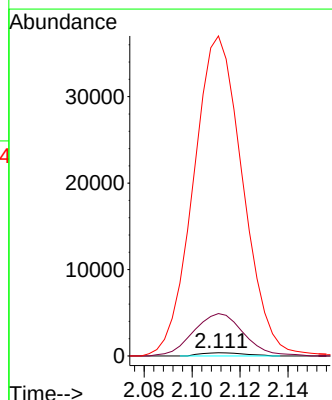
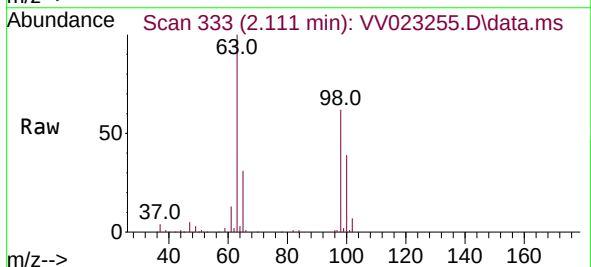
Instrument :
MSVOA_V
ClientSampleId :

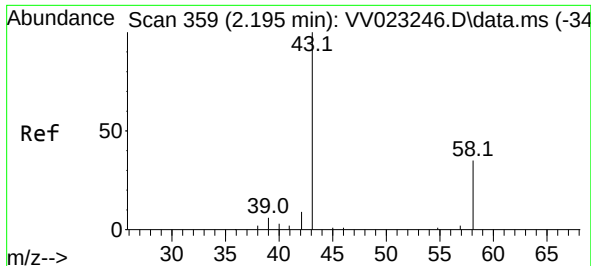
Tgt Ion:101 Resp: 2301
Ion Ratio Lower Upper
101 100
103 62.1 51.9 77.9



#12
1,1-Dichloroethene
Concen: 0.063 ug/L
RT: 2.111 min Scan# 333
Delta R.T. -0.010 min
Lab File: VV023255.D
Acq: 06 Nov 2021 00:35

Tgt Ion: 96 Resp: 474
Ion Ratio Lower Upper
96 100
61 1347.0 117.7 218.7#
63 10171.4 80.5 149.5#





#13

Acetone

Concen: 2.342 ug/L

RT: 2.182 min Scan# 31

Delta R.T. -0.013 min

Lab File: VV023255.D

Acq: 06 Nov 2021 00:35

Instrument :

MSVOA_V

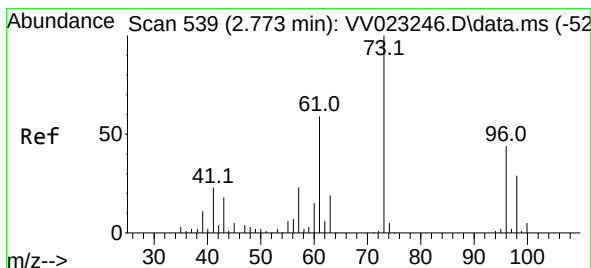
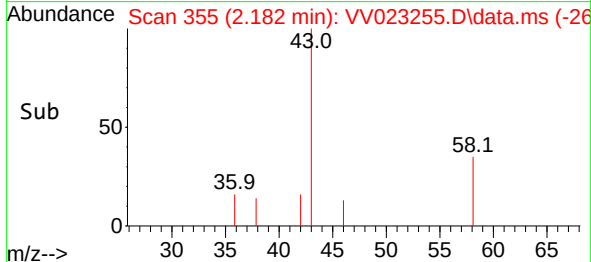
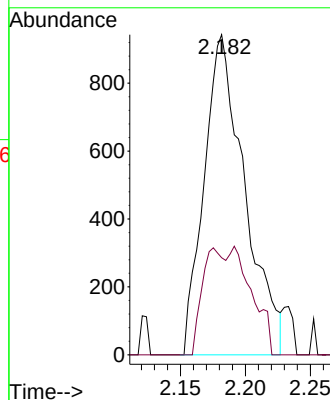
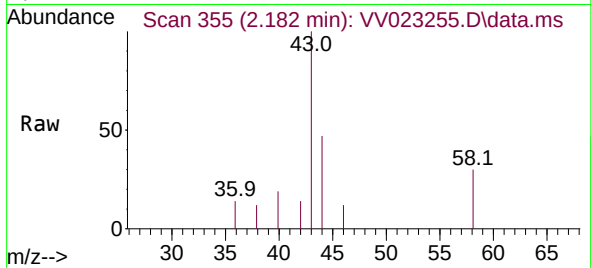
ClientSampleId :

Tgt Ion: 43 Resp: 2051

Ion Ratio Lower Upper

43 100

58 19.0 0.0 45.8



#17

Methyl tert-butyl Ether

Concen: 0.090 ug/L

RT: 2.773 min Scan# 539

Delta R.T. -0.000 min

Lab File: VV023255.D

Acq: 06 Nov 2021 00:35

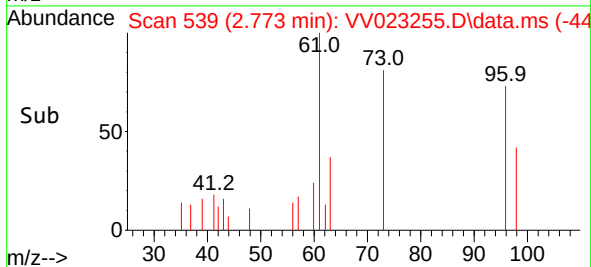
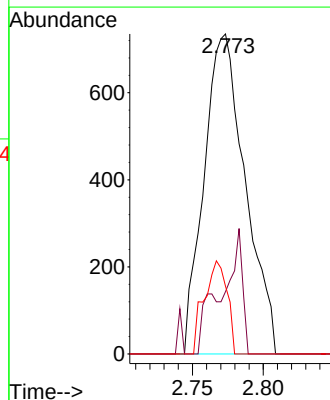
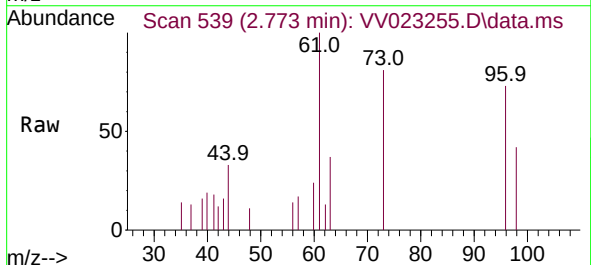
Tgt Ion: 73 Resp: 1486

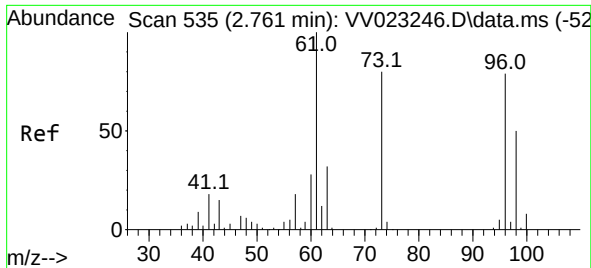
Ion Ratio Lower Upper

73 100

43 12.0 14.2 21.4#

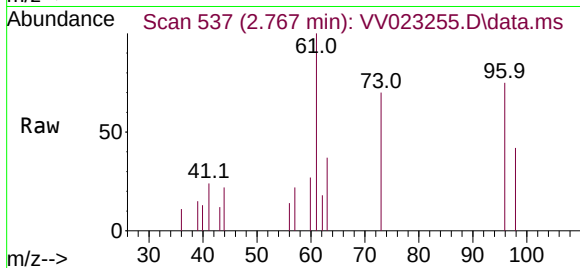
57 16.1 17.8 26.8#



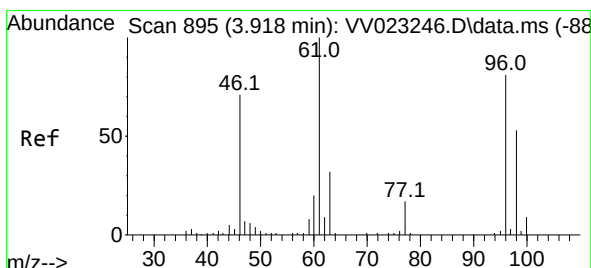
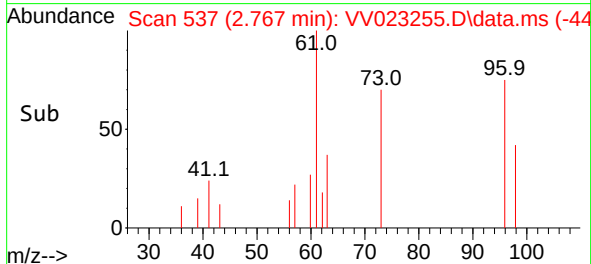
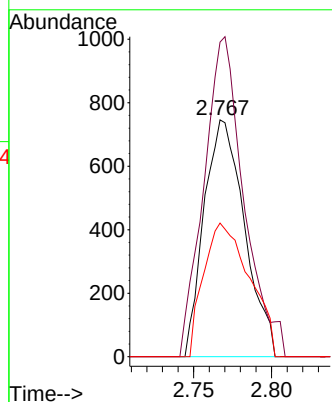


#18
trans-1,2-Dichloroethene
Concen: 0.147 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.006 min
Lab File: VV023255.D
Acq: 06 Nov 2021 00:35

Instrument :
MSVOA_V
ClientSampleId :

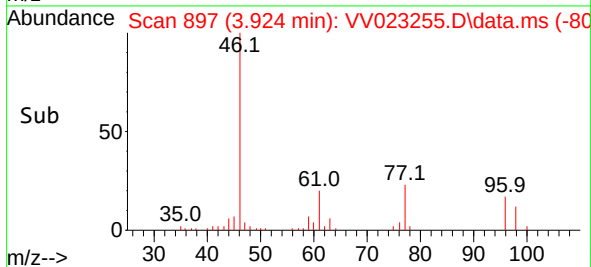
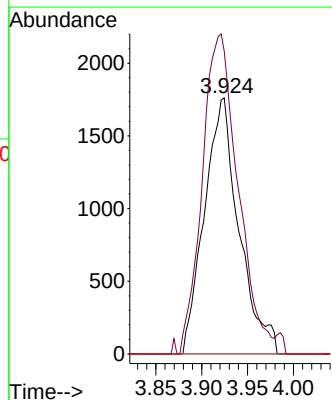
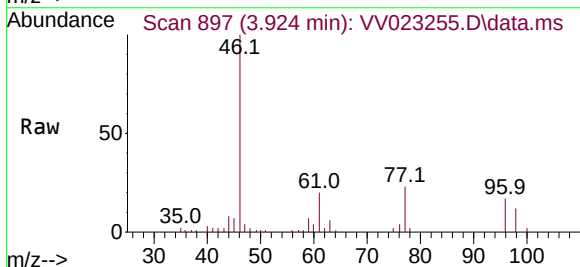


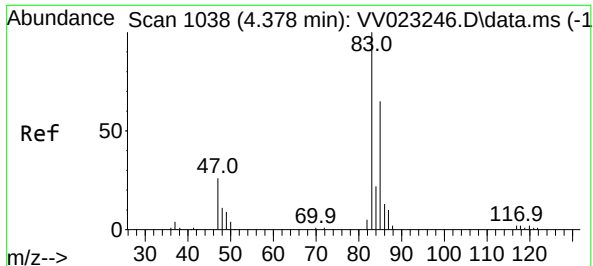
Tgt Ion: 96 Resp: 1349
Ion Ratio Lower Upper
96 100
61 132.8 89.2 165.6
98 56.4 41.9 77.9



#22
cis-1,2-Dichloroethene
Concen: 0.523 ug/L
RT: 3.924 min Scan# 897
Delta R.T. 0.006 min
Lab File: VV023255.D
Acq: 06 Nov 2021 00:35

Tgt Ion: 96 Resp: 4617
Ion Ratio Lower Upper
96 100
61 118.2 86.7 160.9
68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.389 ug/L

RT: 4.384 min Scan# 1038

Delta R.T. 0.006 min

Lab File: VV023255.D

Acq: 06 Nov 2021 00:35

Instrument :

MSVOA_V

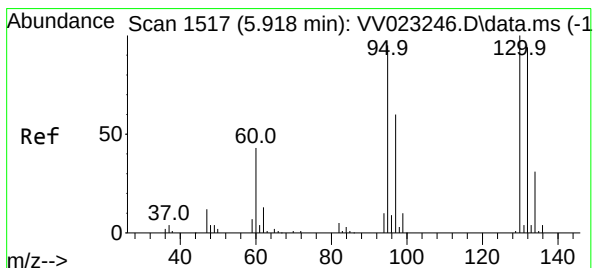
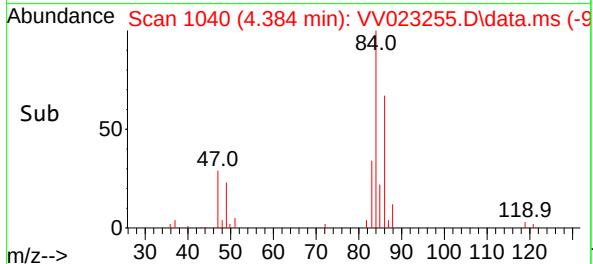
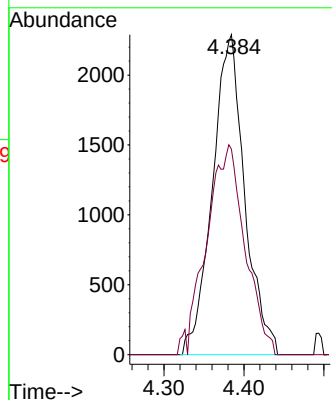
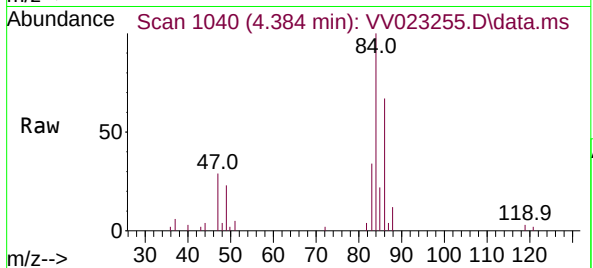
ClientSampleId :

Tgt Ion: 83 Resp: 6422

Ion Ratio Lower Upper

83 100

85 64.3 46.3 85.9



#34

Trichloroethene

Concen: 2.109 ug/L

RT: 5.918 min Scan# 1517

Delta R.T. -0.000 min

Lab File: VV023255.D

Acq: 06 Nov 2021 00:35

Tgt Ion: 95 Resp: 20263

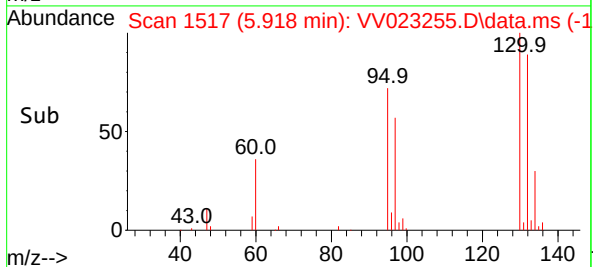
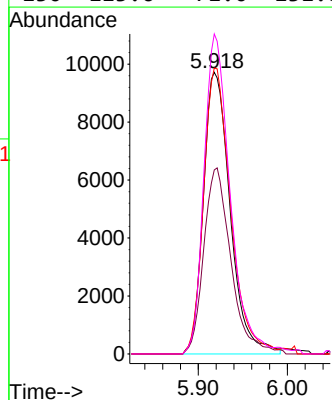
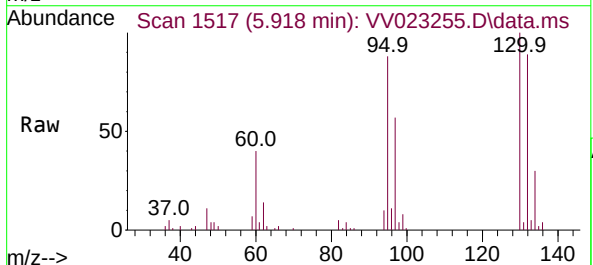
Ion Ratio Lower Upper

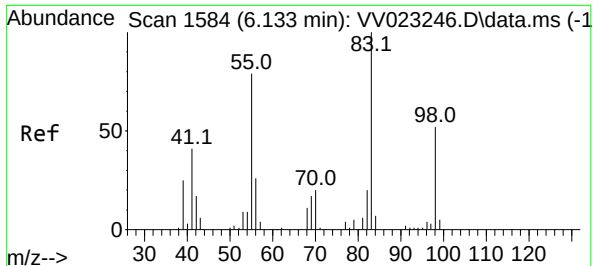
95 100

97 65.3 43.3 80.5

132 101.6 70.0 130.0

130 113.6 71.0 131.8





#35

Methylcyclohexane

Concen: 0.827 ug/L

RT: 6.072 min Scan# 1

Delta R.T. -0.061 min

Lab File: VV023255.D

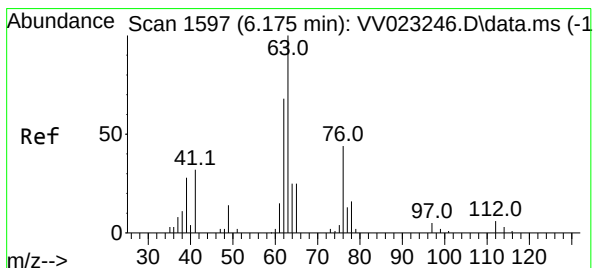
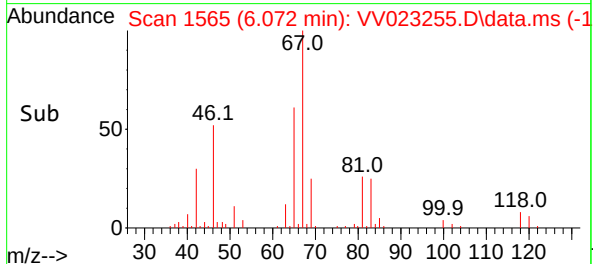
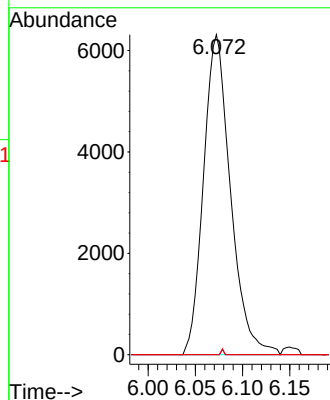
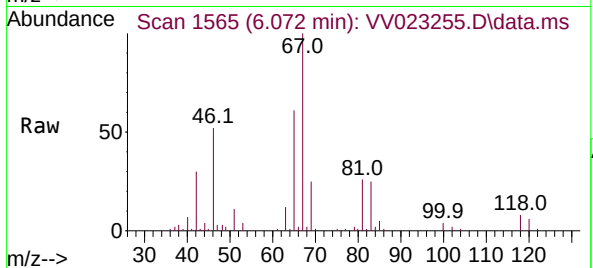
Acq: 06 Nov 2021 00:35

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 83	Resp: 12541
Ion Ratio	Lower Upper
83 100	
55 0.2	59.6 89.4#
98 4.3	40.6 61.0#



#37

1,2-Dichloropropane

Concen: 0.695 ug/L

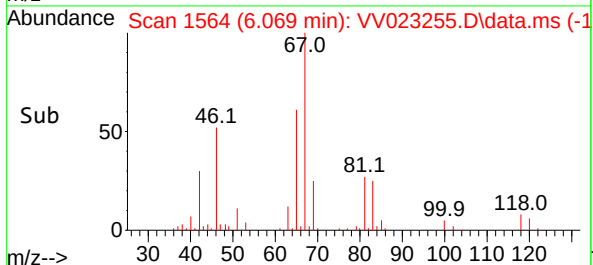
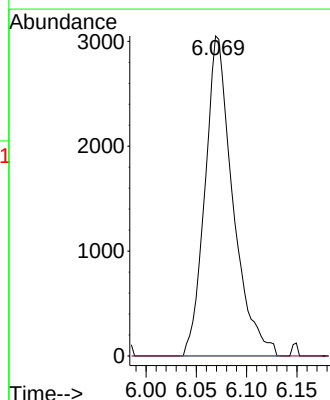
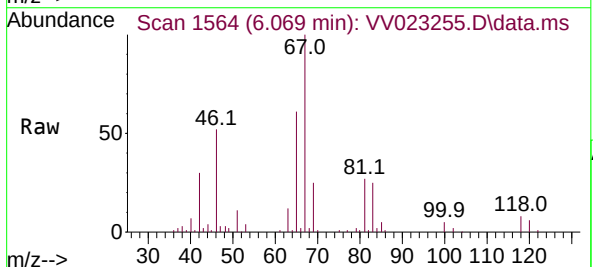
RT: 6.069 min Scan# 1564

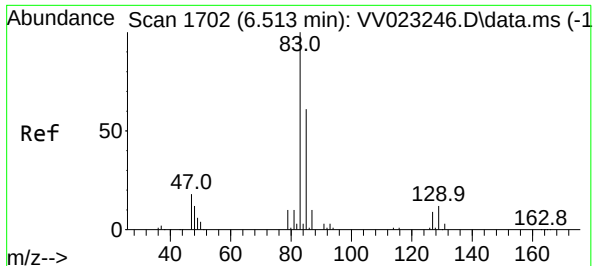
Delta R.T. -0.106 min

Lab File: VV023255.D

Acq: 06 Nov 2021 00:35

Tgt Ion: 63	Resp: 5864
Ion Ratio	Lower Upper
63 100	
112 0.0	4.5 6.7#

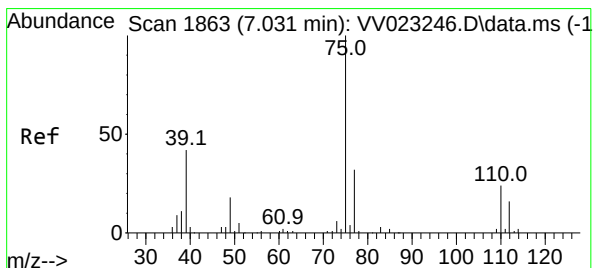
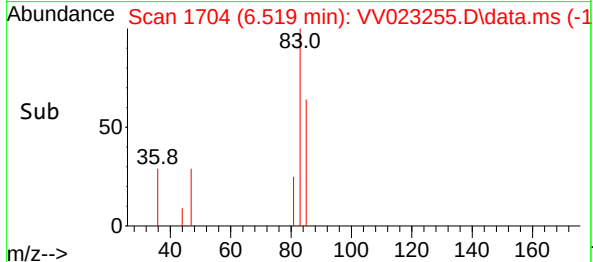
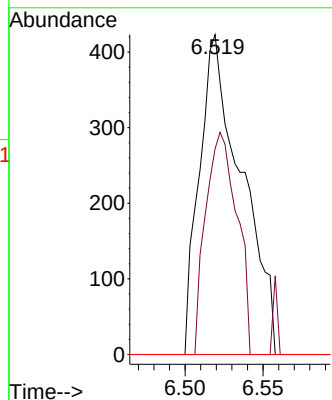
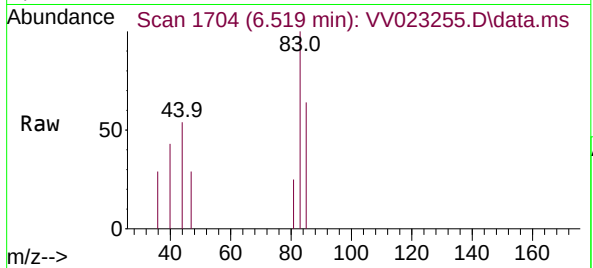




#38
Bromodichloromethane
Concen: 0.070 ug/L
RT: 6.519 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV023255.D
Acq: 06 Nov 2021 00:35

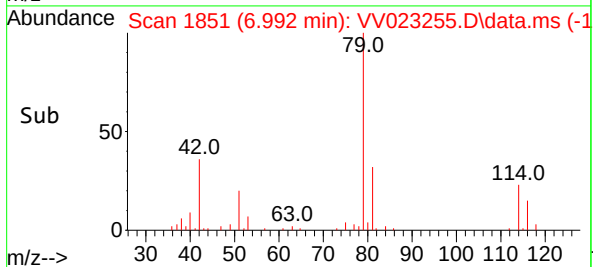
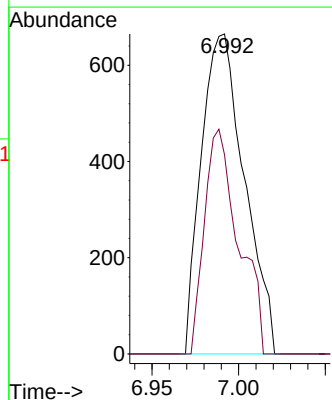
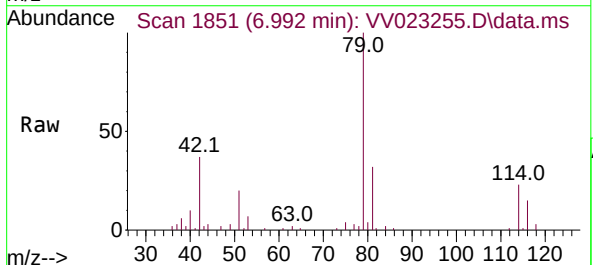
Instrument :
MSVOA_V
ClientSampleId :

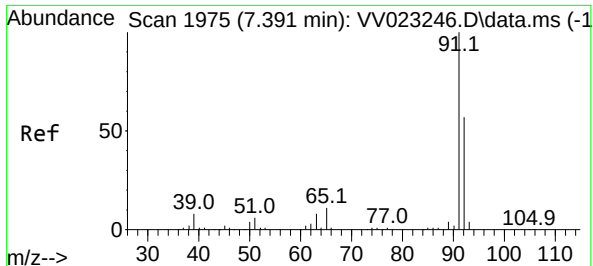
Tgt Ion: 83 Resp: 794
Ion Ratio Lower Upper
83 100
85 64.3 46.1 85.5
127 0.0 7.5 11.3#



#39
cis-1,3-Dichloropropene
Concen: 0.095 ug/L
RT: 6.992 min Scan# 1851
Delta R.T. -0.039 min
Lab File: VV023255.D
Acq: 06 Nov 2021 00:35

Tgt Ion: 75 Resp: 1154
Ion Ratio Lower Upper
75 100
77 62.3 22.3 41.3#





#42

Toluene

Concen: 0.063 ug/L

RT: 7.400 min Scan# 1975

Delta R.T. 0.010 min

Lab File: VV023255.D

Acq: 06 Nov 2021 00:35

Instrument :

MSVOA_V

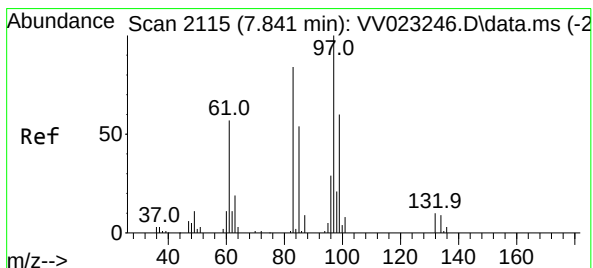
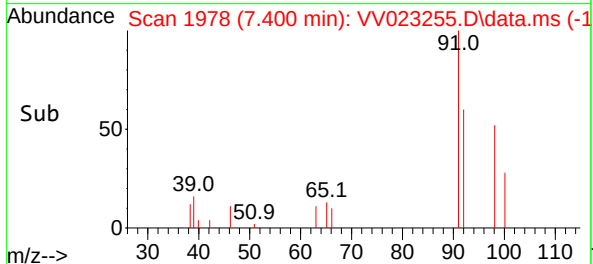
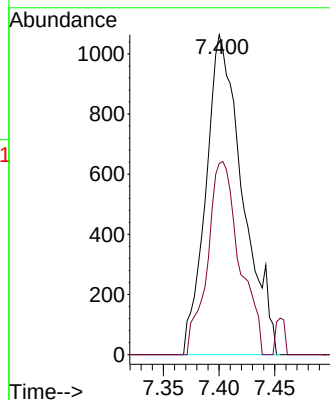
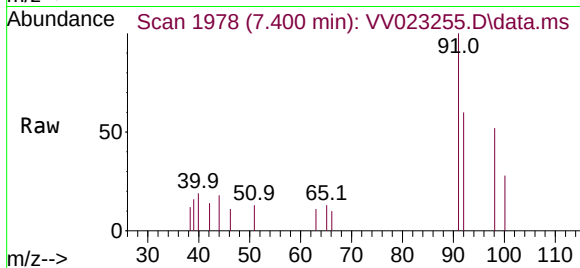
ClientSampleId :

Tgt Ion: 91 Resp: 2443

Ion Ratio Lower Upper

91 100

92 59.8 40.4 75.0



#45

1,1,2-Trichloroethane

Concen: 0.182 ug/L

RT: 7.972 min Scan# 2156

Delta R.T. 0.132 min

Lab File: VV023255.D

Acq: 06 Nov 2021 00:35

Tgt Ion: 97 Resp: 1104

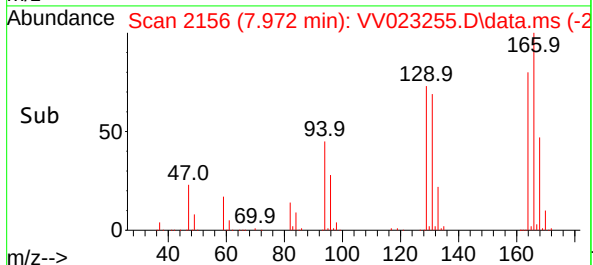
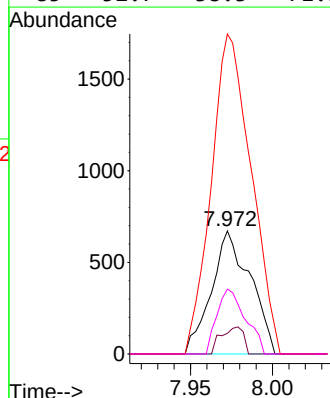
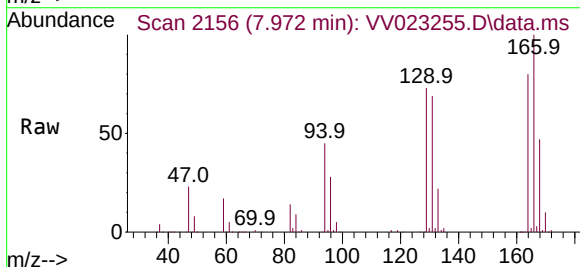
Ion Ratio Lower Upper

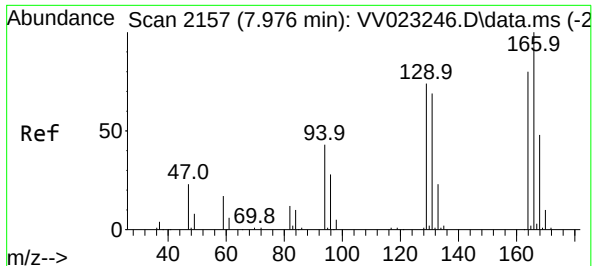
97 100

99 16.8 47.0 87.4#

83 259.8 62.6 116.3#

85 52.7 38.3 71.1





#47

Tetrachloroethene

Concen: 16.696 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.000 min

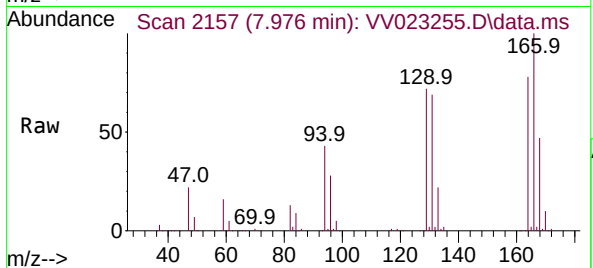
Lab File: VV023255.D

Acq: 06 Nov 2021 00:35

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 139043

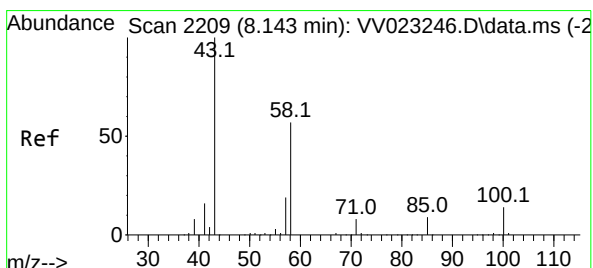
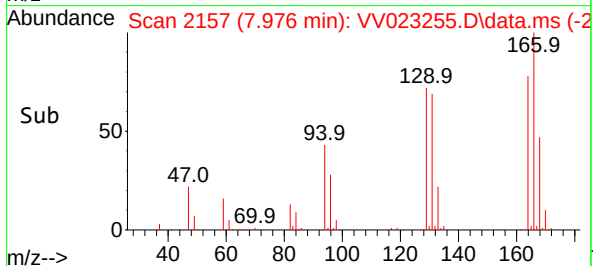
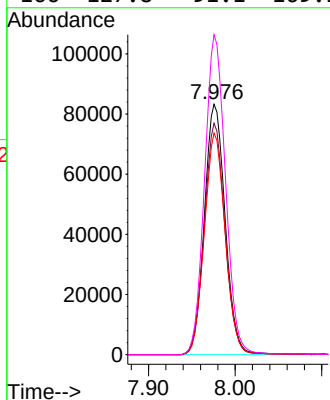
Ion Ratio Lower Upper

164 100

129 92.4 65.5 121.7

131 88.5 63.9 118.7

166 127.8 91.1 169.1



#48

2-Hexanone

Concen: 1.219 ug/L

RT: 8.153 min Scan# 2212

Delta R.T. 0.010 min

Lab File: VV023255.D

Acq: 06 Nov 2021 00:35

Tgt Ion: 43 Resp: 3420

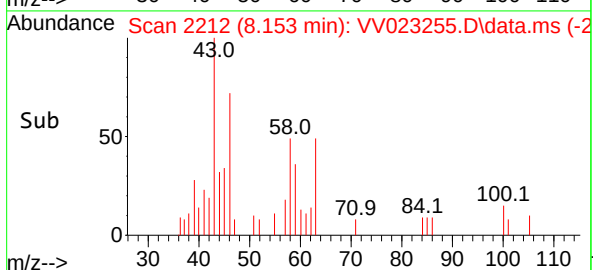
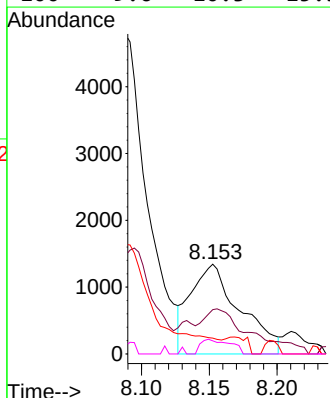
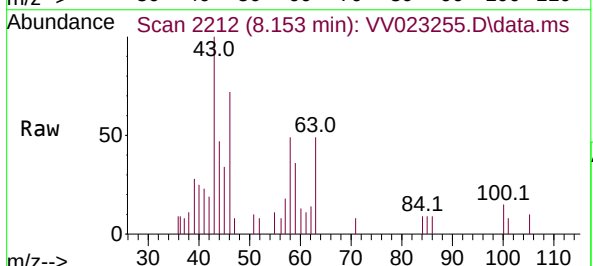
Ion Ratio Lower Upper

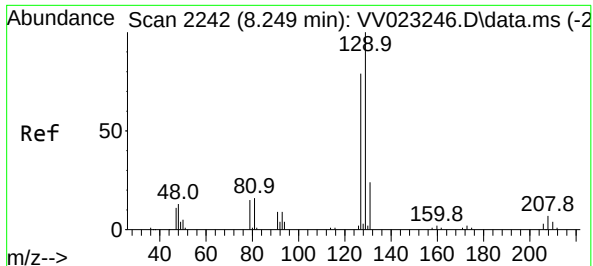
43 100

58 49.0 43.0 64.6

57 8.0 14.9 22.3#

100 9.6 10.3 15.5#





#49

Dibromochloromethane

Concen: 15.769 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.273 min

Lab File: VV023255.D

Acq: 06 Nov 2021 00:35

Instrument :

MSVOA_V

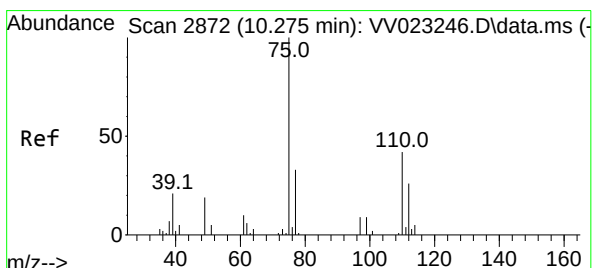
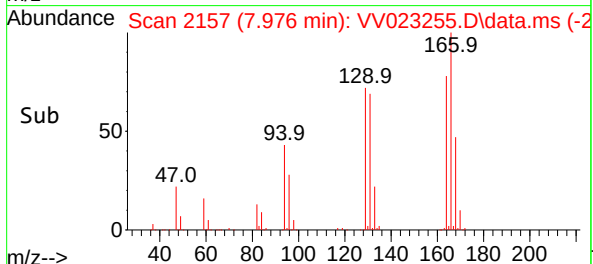
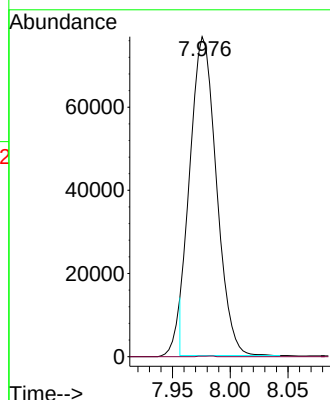
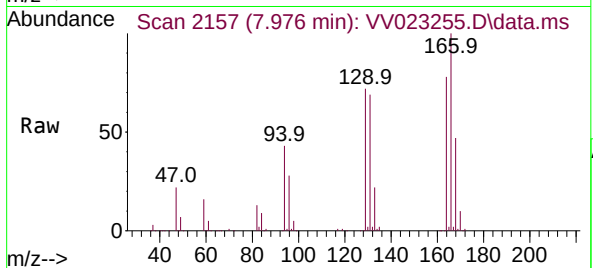
ClientSampleId :

Tgt Ion:129 Resp: 121108

Ion Ratio Lower Upper

129 100

127 0.1 54.4 101.0#



#61

1,2,3-Trichloropropane

Concen: 1.605 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.974 min

Lab File: VV023255.D

Acq: 06 Nov 2021 00:35

Tgt Ion: 75 Resp: 6296

Ion Ratio Lower Upper

75 100

77 32.1 26.6 39.8

110 0.3 33.0 49.4#

