

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102321\
 Data File : VW023015.D
 Acq On : 23 Oct 2021 17:23
 Operator : SY/MD
 Sample : M4277-09
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 25 01:08:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102221WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Oct 25 01:03:32 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	94416	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	93863	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	37958	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	43652	5.291	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.800%
7) Chloroethane-d5	1.561	69	23930	4.689	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.800%
11) 1,1-Dichloroethene-d2	2.105	63	39954	3.357	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.200%
20) 2-Butanone-d5	3.883	46	101971	77.049	ug/L	-0.06
Spiked Amount	50.000	Range	40 - 130	Recovery	=	154.100%#
24) Chloroform-d	4.349	84	76158	5.678	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.600%
26) 1,2-Dichloroethane-d4	5.034	65	38714	6.123	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	122.400%
32) Benzene-d6	5.053	84	144994	5.291	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.800%
36) 1,2-Dichloropropane-d6	6.072	67	48139	5.706	ug/L	-0.02
Spiked Amount	5.000	Range	60 - 140	Recovery	=	114.200%
41) Toluene-d8	7.317	98	117146	4.759	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.200%
43) trans-1,3-Dichloroprop...	7.625	79	15283	5.171	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.400%
46) 2-Hexanone-d5	8.088	63	70157	64.111	ug/L	-0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	128.220%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	37512	6.440	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	128.800%#
66) 1,2-Dichlorobenzene-d4	11.625	152	43908	6.483	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	129.600%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	441	0.068	ug/L #	68
5) Vinyl chloride	1.307	62	299	0.045	ug/L #	1
6) Bromomethane	1.519	94	159	0.047	ug/L	78
12) 1,1-Dichloroethene	2.105	96	378	0.078	ug/L #	1
13) Acetone	2.172	43	5055	7.785	ug/L	95
17) Methyl tert-butyl Ether	2.767	73	600	0.052	ug/L #	69
22) cis-1,2-Dichloroethene	3.912	96	1109	0.190	ug/L #	77
27) 1,2-Dichloroethane	5.150	62	735	0.111	ug/L #	72
34) Trichloroethene	5.921	95	1900	0.299	ug/L	91
35) Methylcyclohexane	6.072	83	11305	1.244	ug/L #	17
37) 1,2-Dichloropropane	6.178	63	5522	0.867	ug/L	97
39) cis-1,3-Dichloropropene	6.995	75	1016	0.128	ug/L #	48
42) Toluene	7.394	91	28798	1.125	ug/L	99
47) Tetrachloroethene	7.979	164	9815	1.831	ug/L	96
48) 2-Hexanone	8.153	43	4937	2.219	ug/L #	79
49) Dibromochloromethane	7.976	129	8099	1.528	ug/L #	10
61) 1,2,3-Trichloropropane	10.278	75	374	0.140	ug/L #	54

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Quant Time: Oct 25 01:08:15 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102221WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Mon Oct 25 01:03:32 2021
Response via : Initial Calibration

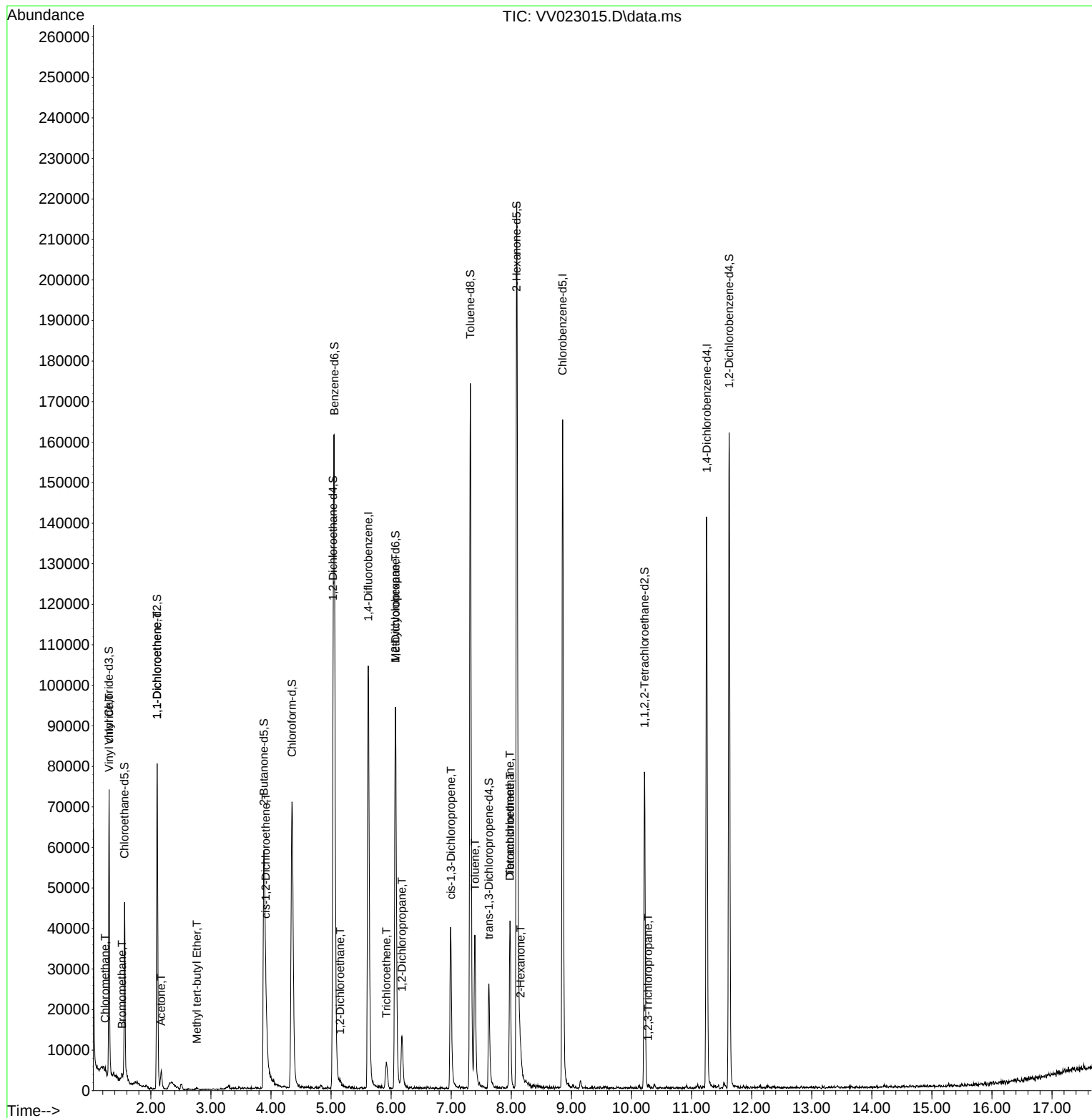
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

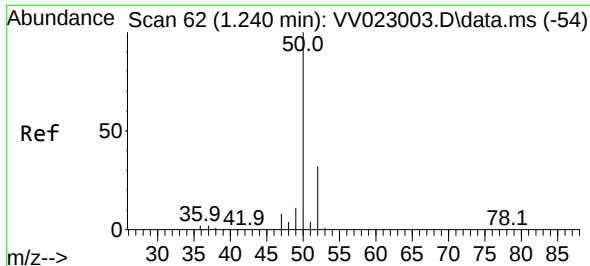
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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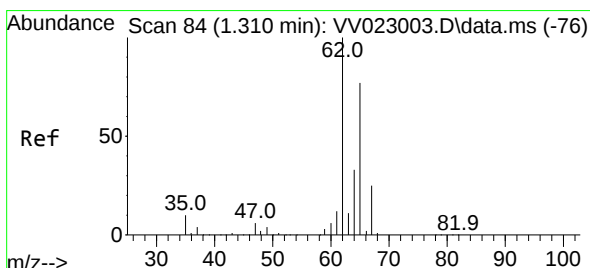
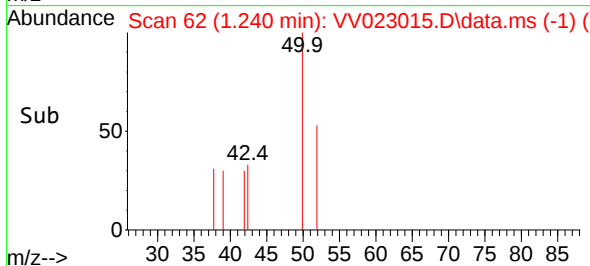
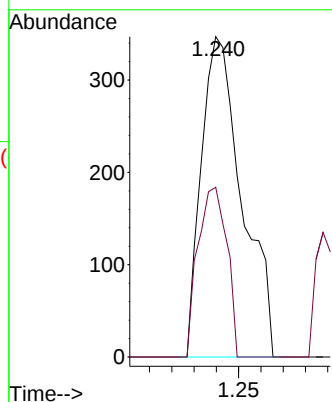
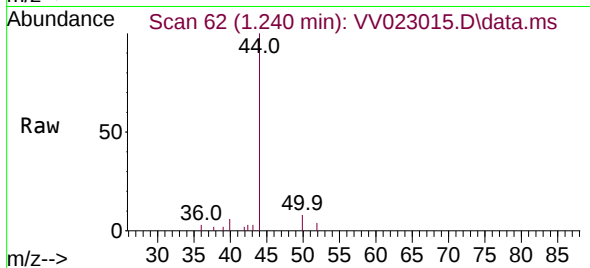




#3
Chloromethane
Concen: 0.068 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.000 min
Lab File: VV023015.D
Acq: 23 Oct 2021 17:23

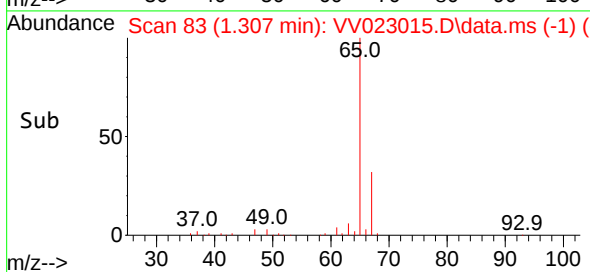
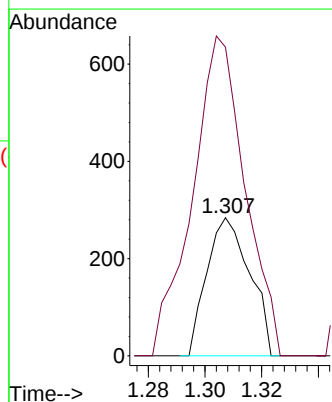
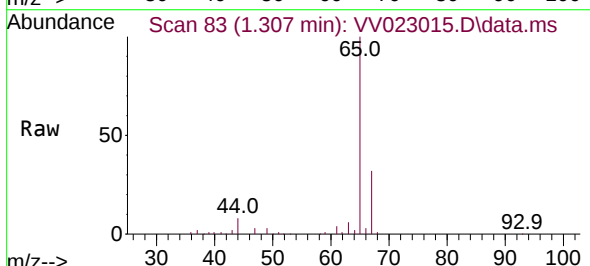
Instrument :
MSVOA_V
ClientSampleId :

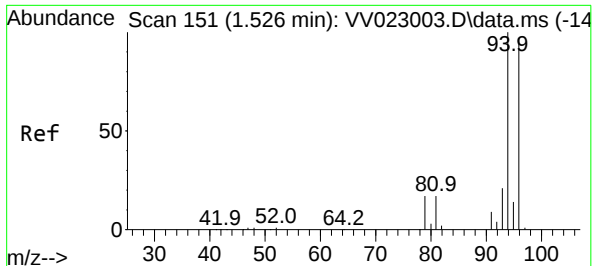
Tgt Ion: 50 Resp: 441
Ion Ratio Lower Upper
50 100
52 53.0 24.3 45.1#



#5
Vinyl chloride
Concen: 0.045 ug/L
RT: 1.307 min Scan# 83
Delta R.T. -0.003 min
Lab File: VV023015.D
Acq: 23 Oct 2021 17:23

Tgt Ion: 62 Resp: 299
Ion Ratio Lower Upper
62 100
64 223.6 23.1 42.9#

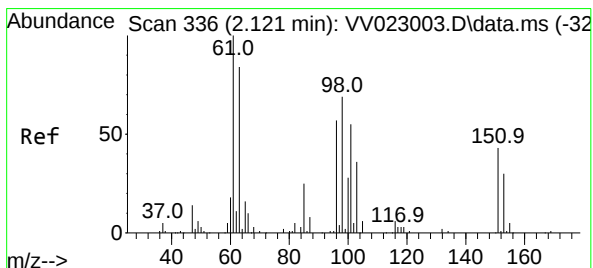
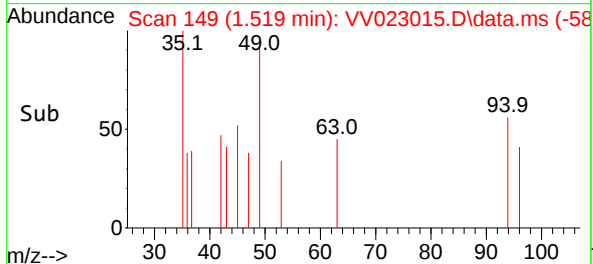
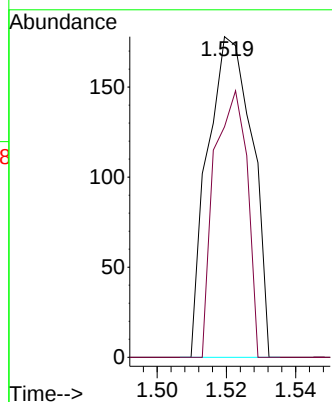
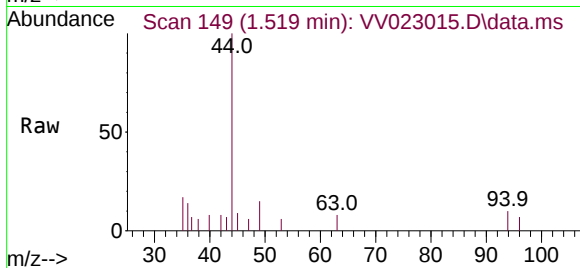




#6
Bromomethane
Concen: 0.047 ug/L
RT: 1.519 min Scan# 14
Delta R.T. -0.006 min
Lab File: VV023015.D
Acq: 23 Oct 2021 17:23

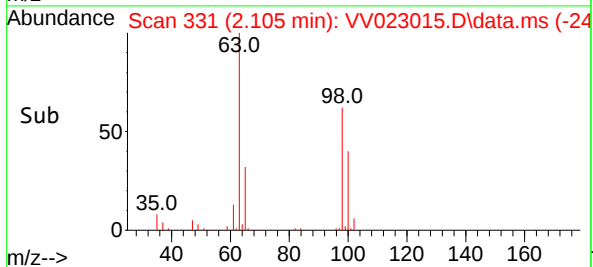
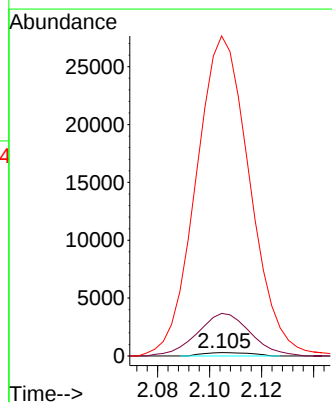
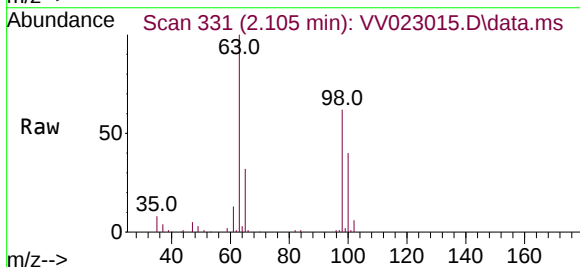
Instrument :
MSVOA_V
ClientSampleId :

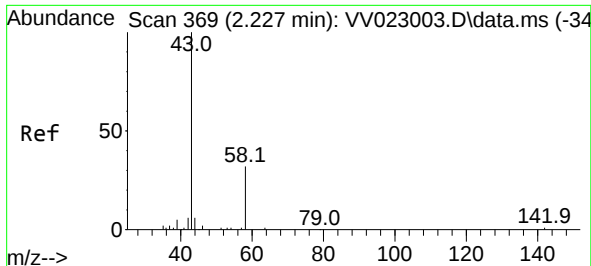
Tgt Ion: 94 Resp: 159
Ion Ratio Lower Upper
94 100
96 71.9 65.0 120.8



#12
1,1-Dichloroethene
Concen: 0.078 ug/L
RT: 2.105 min Scan# 331
Delta R.T. -0.016 min
Lab File: VV023015.D
Acq: 23 Oct 2021 17:23

Tgt Ion: 96 Resp: 378
Ion Ratio Lower Upper
96 100
61 1247.5 121.5 225.7#
63 9374.9 99.6 185.0#

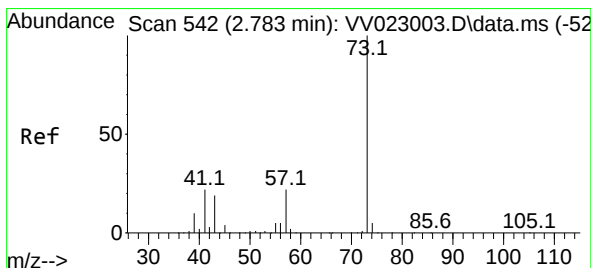
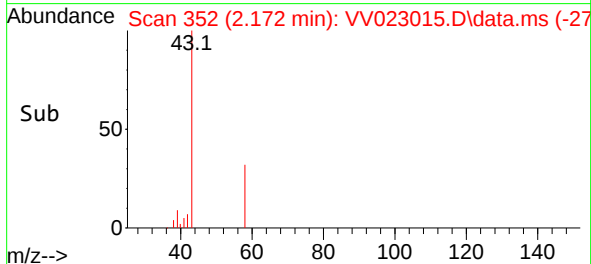
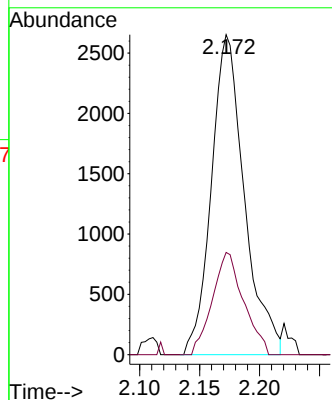
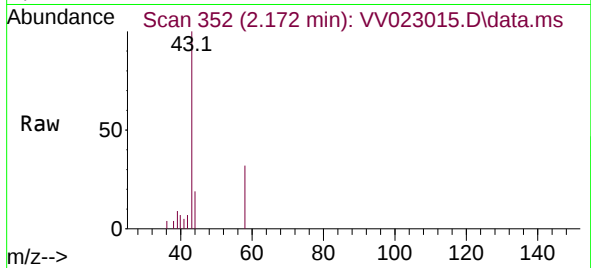




#13
Acetone
Concen: 7.785 ug/L
RT: 2.172 min Scan# 31
Delta R.T. -0.055 min
Lab File: VV023015.D
Acq: 23 Oct 2021 17:23

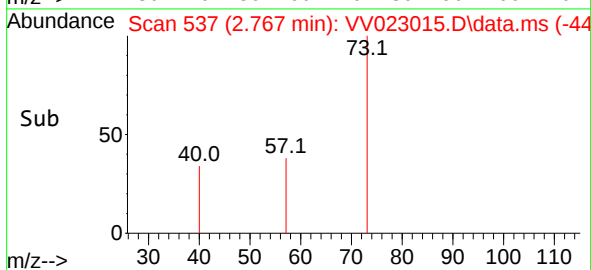
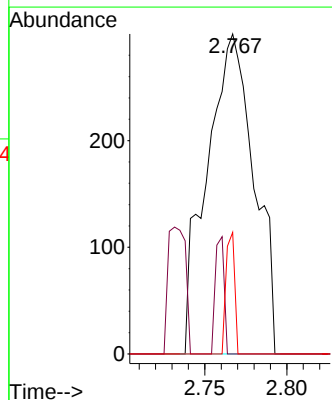
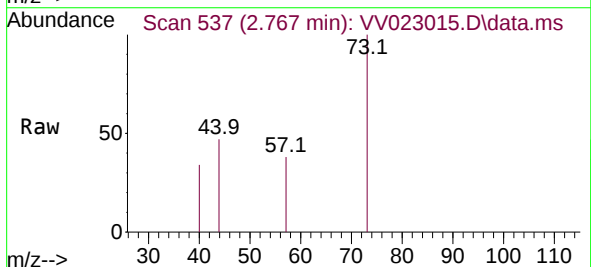
Instrument :
MSVOA_V
ClientSampleId :

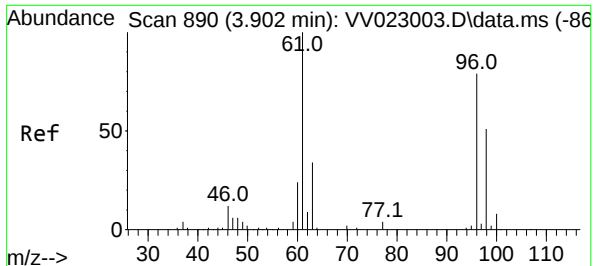
Tgt Ion: 43 Resp: 5055
Ion Ratio Lower Upper
43 100
58 30.3 0.0 55.4



#17
Methyl tert-butyl Ether
Concen: 0.052 ug/L
RT: 2.767 min Scan# 537
Delta R.T. -0.016 min
Lab File: VV023015.D
Acq: 23 Oct 2021 17:23

Tgt Ion: 73 Resp: 600
Ion Ratio Lower Upper
73 100
43 6.8 17.4 26.0#
57 6.8 16.5 24.7#





#22

cis-1,2-Dichloroethene

Concen: 0.190 ug/L

RT: 3.912 min Scan# 89

Delta R.T. 0.010 min

Lab File: VV023015.D

Acq: 23 Oct 2021 17:23

Instrument :

MSVOA_V

ClientSampleId :

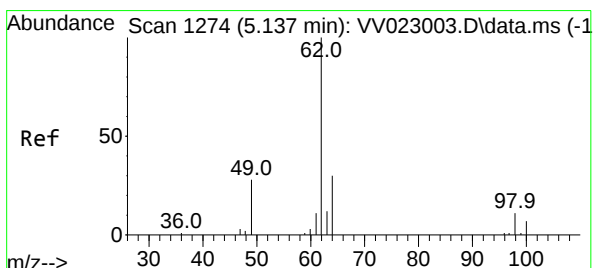
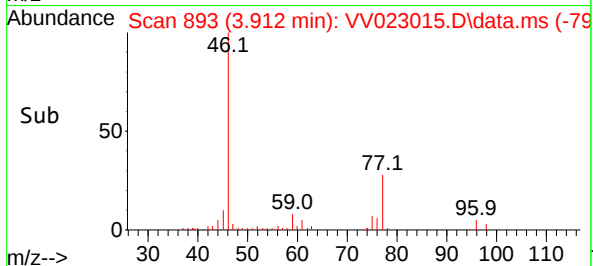
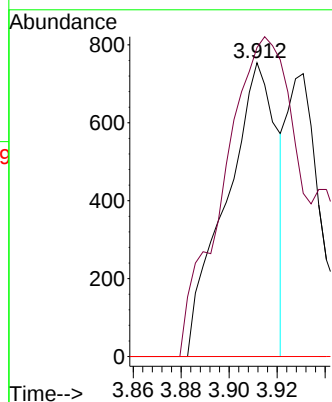
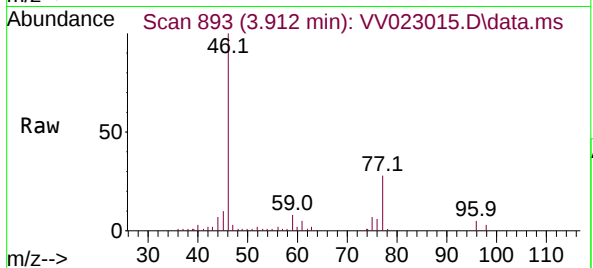
Tgt Ion: 96 Resp: 1109

Ion Ratio Lower Upper

96 100

61 105.2 92.3 171.3

68 0.0 0.4 0.8#



#27

1,2-Dichloroethane

Concen: 0.111 ug/L

RT: 5.150 min Scan# 1278

Delta R.T. 0.013 min

Lab File: VV023015.D

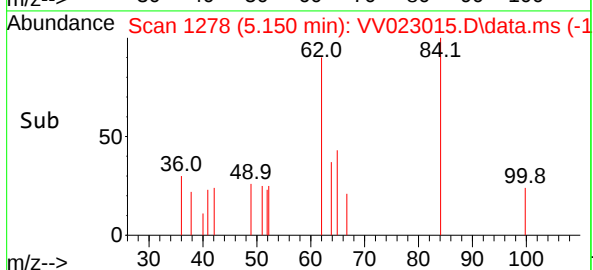
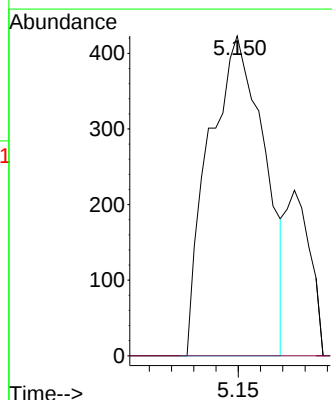
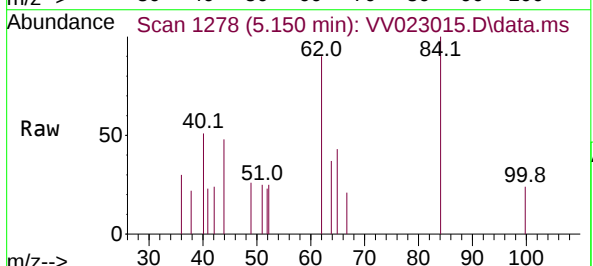
Acq: 23 Oct 2021 17:23

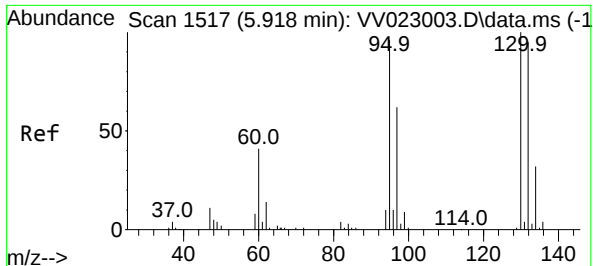
Tgt Ion: 62 Resp: 735

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#



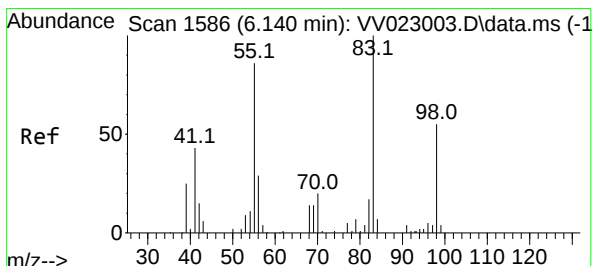
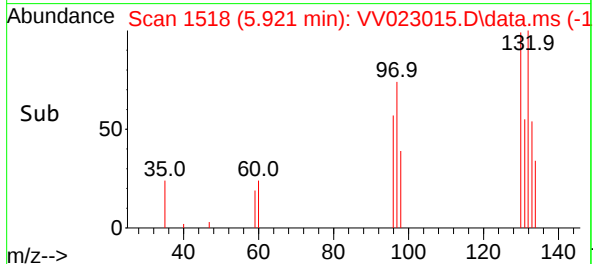
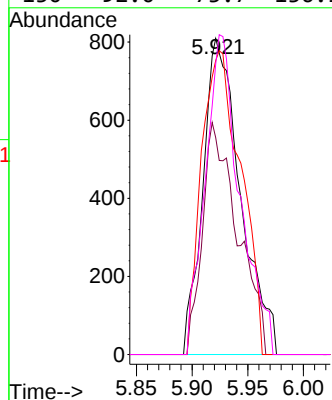
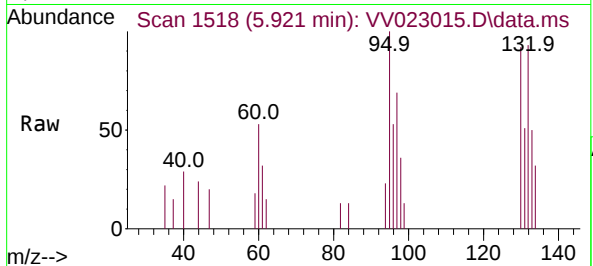


#34
Trichloroethene
Concen: 0.299 ug/L
RT: 5.921 min Scan# 1517
Delta R.T. 0.003 min
Lab File: VV023015.D
Acq: 23 Oct 2021 17:23

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 95 Resp: 1900

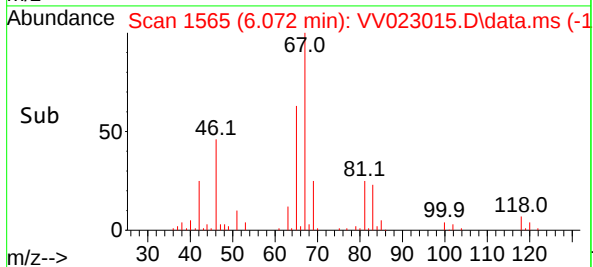
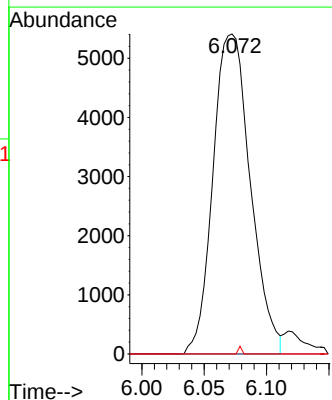
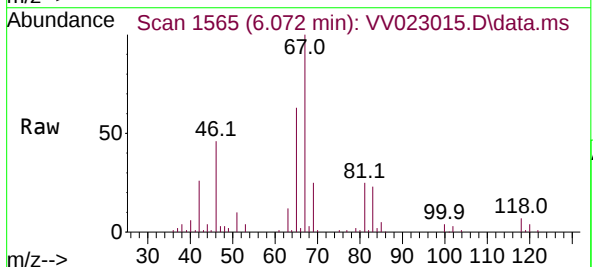
Ion	Ratio	Lower	Upper
95	100		
97	68.6	45.0	83.6
132	93.1	69.7	129.4
130	92.0	73.7	136.9

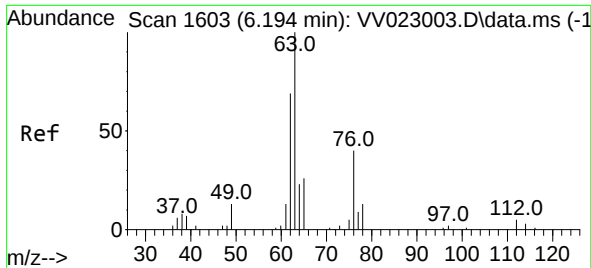


#35
Methylcyclohexane
Concen: 1.244 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.067 min
Lab File: VV023015.D
Acq: 23 Oct 2021 17:23

Tgt Ion: 83 Resp: 11305

Ion	Ratio	Lower	Upper
83	100		
55	0.0	62.8	94.2#
98	0.2	37.9	56.9#





#37

1,2-Dichloropropane

Concen: 0.867 ug/L

RT: 6.178 min Scan# 11

Delta R.T. -0.016 min

Lab File: VV023015.D

Acq: 23 Oct 2021 17:23

Instrument :

MSVOA_V

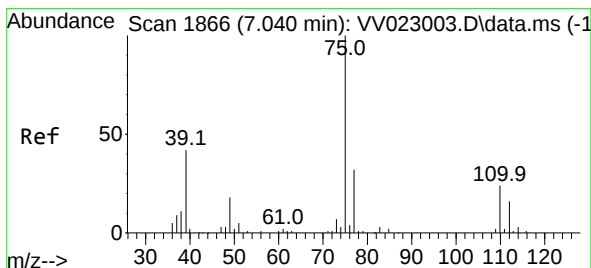
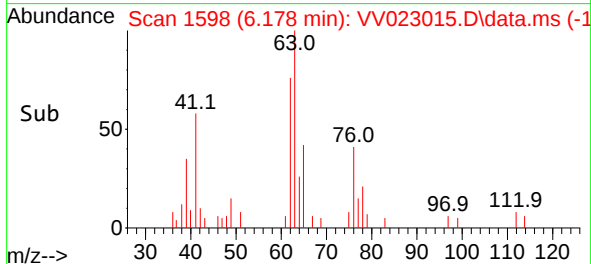
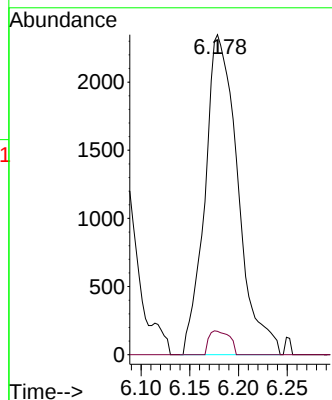
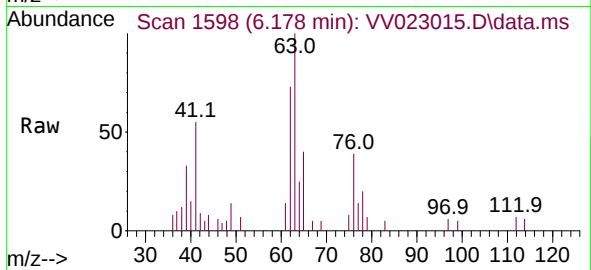
ClientSampleId :

Tgt Ion: 63 Resp: 5522

Ion Ratio Lower Upper

63 100

112 4.6 4.6 6.8



#39

cis-1,3-Dichloropropene

Concen: 0.128 ug/L

RT: 6.995 min Scan# 1852

Delta R.T. -0.045 min

Lab File: VV023015.D

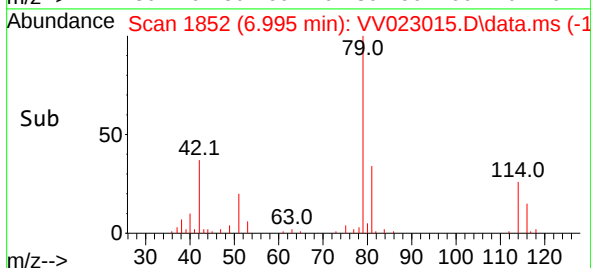
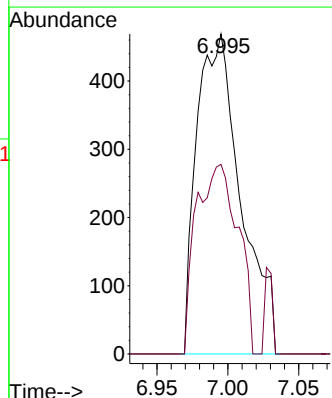
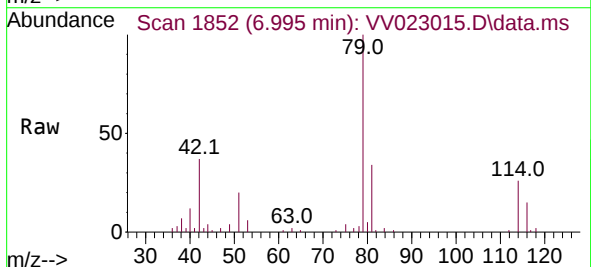
Acq: 23 Oct 2021 17:23

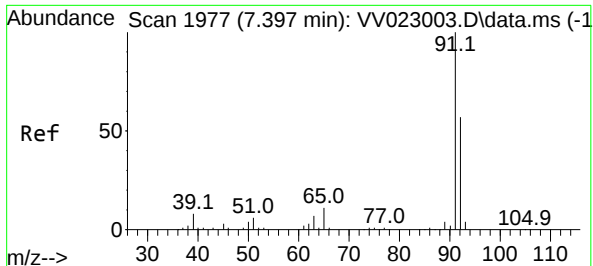
Tgt Ion: 75 Resp: 1016

Ion Ratio Lower Upper

75 100

77 59.3 21.6 40.2#

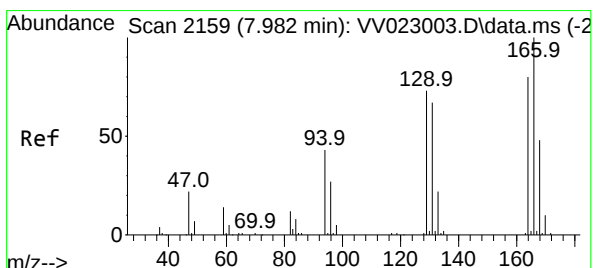
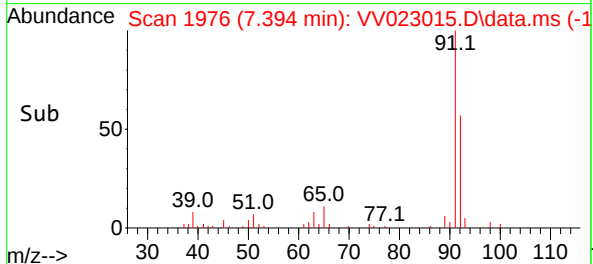
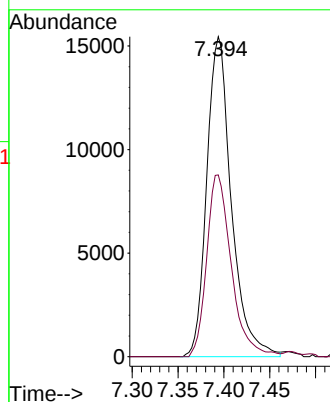
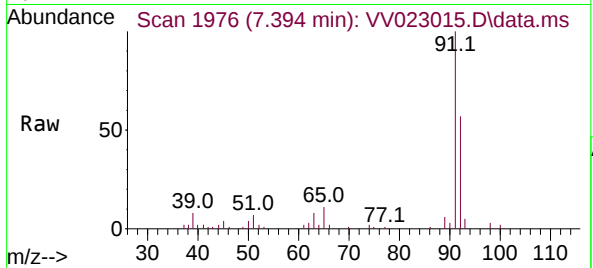




#42
Toluene
Concen: 1.125 ug/L
RT: 7.394 min Scan# 1977
Delta R.T. -0.003 min
Lab File: VV023015.D
Acq: 23 Oct 2021 17:23

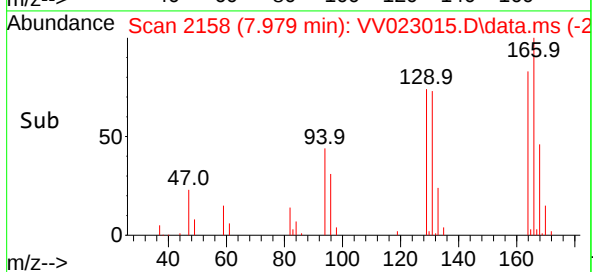
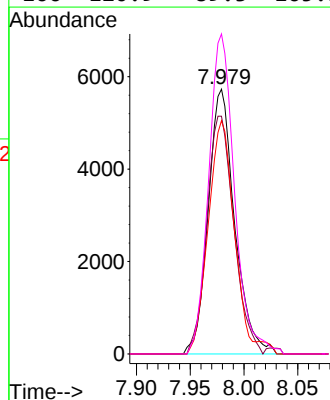
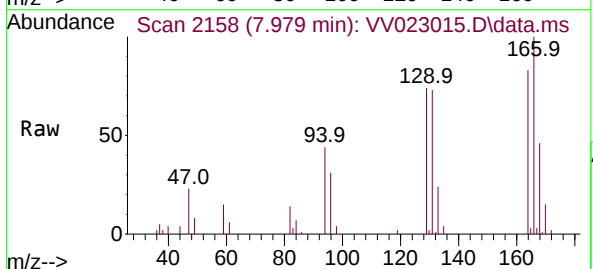
Instrument :
MSVOA_V
ClientSampleId :

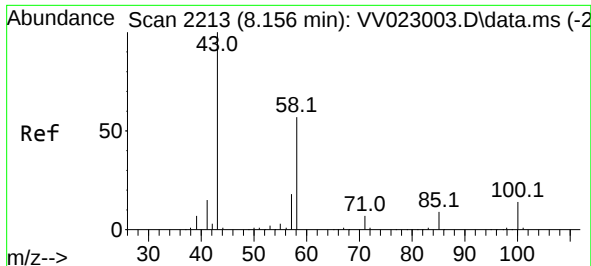
Tgt Ion: 91 Resp: 28798
Ion Ratio Lower Upper
91 100
92 56.8 39.3 72.9



#47
Tetrachloroethene
Concen: 1.831 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. -0.003 min
Lab File: VV023015.D
Acq: 23 Oct 2021 17:23

Tgt Ion: 164 Resp: 9815
Ion Ratio Lower Upper
164 100
129 89.8 64.0 119.0
131 88.1 63.4 117.8
166 120.9 89.3 165.9

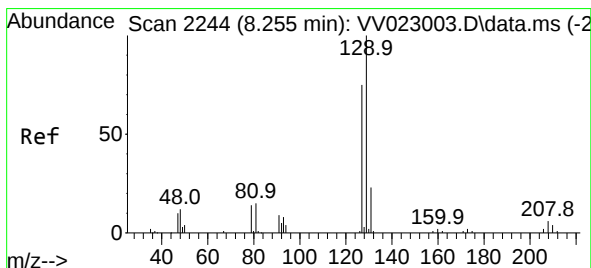
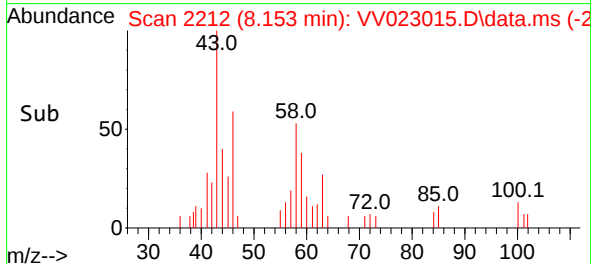
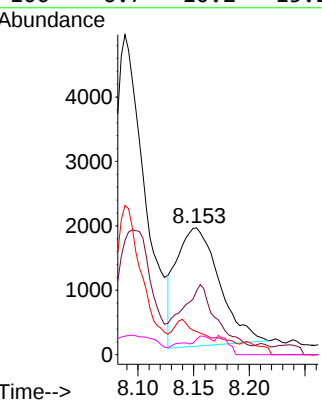
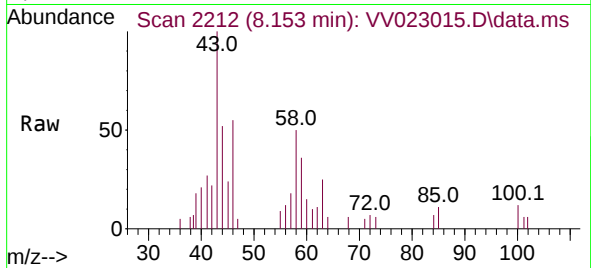




#48
2-Hexanone
Concen: 2.219 ug/L
RT: 8.153 min Scan# 2157
Delta R.T. -0.003 min
Lab File: VV023015.D
Acq: 23 Oct 2021 17:23

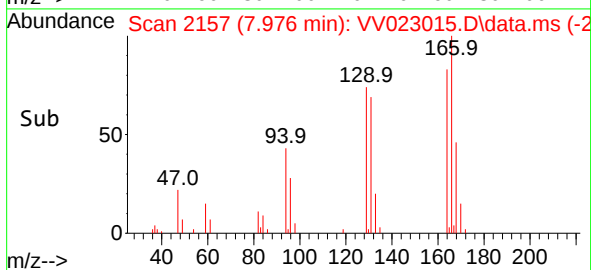
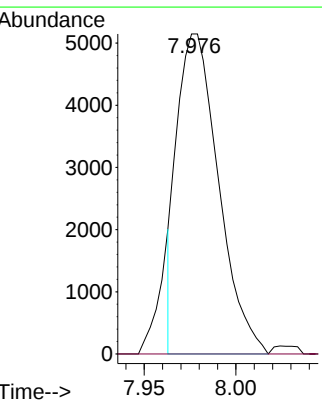
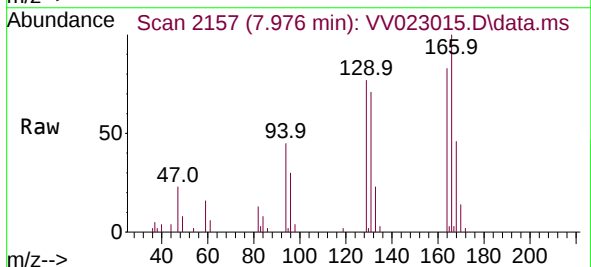
Instrument :
MSVOA_V
ClientSampleId :

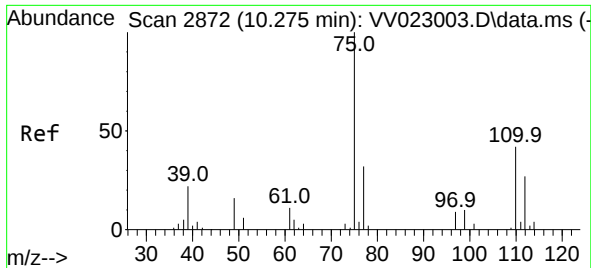
Tgt Ion: 43	Resp: 4937
Ion Ratio	Lower Upper
43	100
58	42.5 43.7 65.5#
57	0.0 14.1 21.1#
100	6.7 10.2 15.2#



#49
Dibromochloromethane
Concen: 1.528 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.280 min
Lab File: VV023015.D
Acq: 23 Oct 2021 17:23

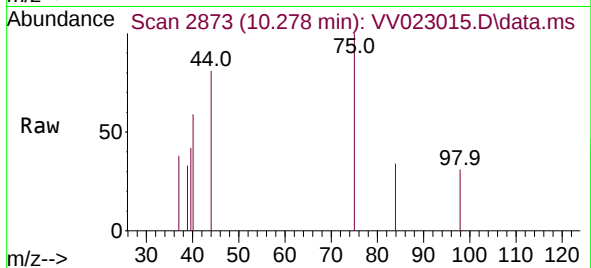
Tgt Ion: 129	Resp: 8099
Ion Ratio	Lower Upper
129	100
127	0.0 54.7 101.7#





#61
 1,2,3-Trichloropropane
 Concen: 0.140 ug/L
 RT: 10.278 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV023015.D
 Acq: 23 Oct 2021 17:23

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 75	Resp:	374
Ion Ratio	Lower	Upper
75	100	
77	19.3	26.6 39.8#
110	0.0	31.8 47.6#

