

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV110521\
 Data File : VV023242.D
 Acq On : 05 Nov 2021 19:07
 Operator : SY/MD
 Sample : M4535-08
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 08 03:18:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Nov 08 03:09:01 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	130961	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	131212	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	60970	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	42042	5.124	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.400%
7) Chloroethane-d5	1.568	69	35893	5.368	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.400%
11) 1,1-Dichloroethene-d2	2.108	63	59461	3.871	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.400%
20) 2-Butanone-d5	3.886	46	93207	75.195	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	150.380%#
24) Chloroform-d	4.352	84	91425	5.229	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.600%
26) 1,2-Dichloroethane-d4	5.034	65	44695	5.685	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.600%
32) Benzene-d6	5.053	84	179744	5.339	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.800%
36) 1,2-Dichloropropane-d6	6.072	67	53545	5.403	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.000%
41) Toluene-d8	7.320	98	153055	4.851	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.000%
43) trans-1,3-Dichloroprop...	7.628	79	17244	4.589	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.800%
46) 2-Hexanone-d5	8.088	63	72097	52.145	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.300%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	35942	5.043	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.800%
66) 1,2-Dichlorobenzene-d4	11.625	152	57781	5.691	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.133	85	2588	0.203	ug/L	97
3) Chloromethane	1.133	50	7168	0.660	ug/L #	73
8) Chloroethane	1.307	64	612	0.098	ug/L #	1
12) 1,1-Dichloroethene	2.111	96	666	0.085	ug/L #	1
13) Acetone	2.172	43	2755	3.007	ug/L	76
17) Methyl tert-butyl Ether	2.770	73	95680	5.566	ug/L	98
19) 1,1-Dichloroethane	3.194	63	1539	0.095	ug/L	87
22) cis-1,2-Dichloroethene	3.921	96	6103	0.661	ug/L	95
34) Trichloroethene	5.918	95	19346	1.984	ug/L	95
35) Methylcyclohexane	6.072	83	13599	0.883	ug/L #	20
37) 1,2-Dichloropropane	6.072	63	5951	0.695	ug/L #	83
39) cis-1,3-Dichloropropene	6.985	75	1587	0.129	ug/L	84
45) 1,1,2-Trichloroethane	7.972	97	927	0.151	ug/L #	1
47) Tetrachloroethene	7.976	164	117101	13.854	ug/L	97
48) 2-Hexanone	8.149	43	3137	1.101	ug/L #	69
49) Dibromochloromethane	7.976	129	104591	13.418	ug/L #	11
61) 1,2,3-Trichloropropane	11.252	75	6506	1.606	ug/L #	65

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Mon Nov 08 03:09:01 2021
Response via : Initial Calibration

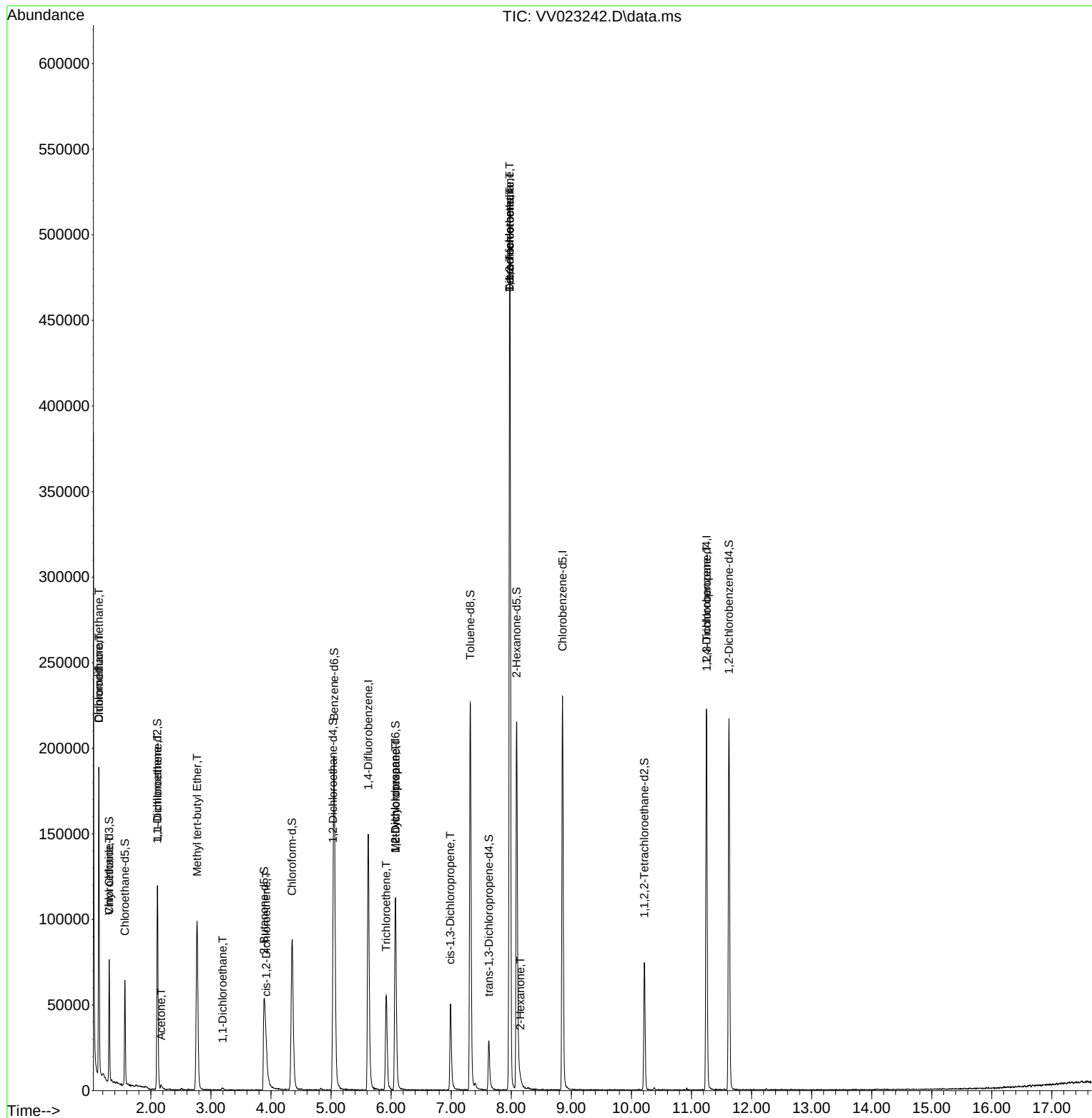
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

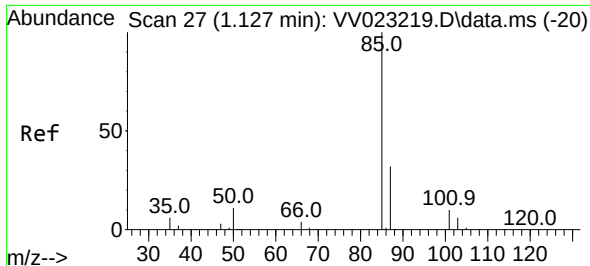
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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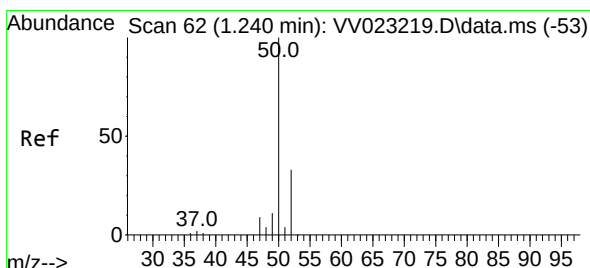
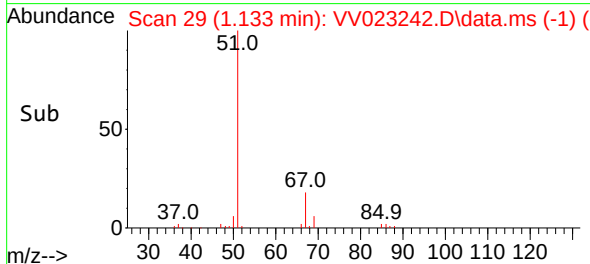
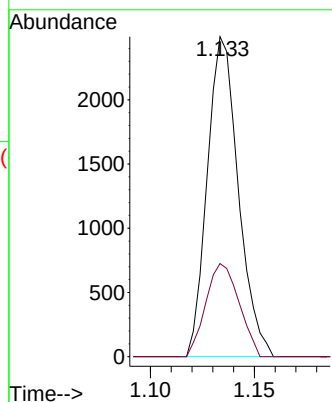
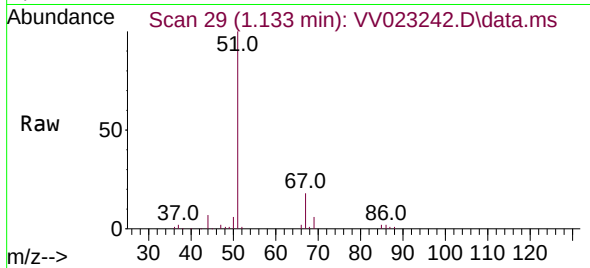




#2
Dichlorodifluoromethane
Concen: 0.203 ug/L
RT: 1.133 min Scan# 29
Delta R.T. 0.006 min
Lab File: VV023242.D
Acq: 05 Nov 2021 19:07

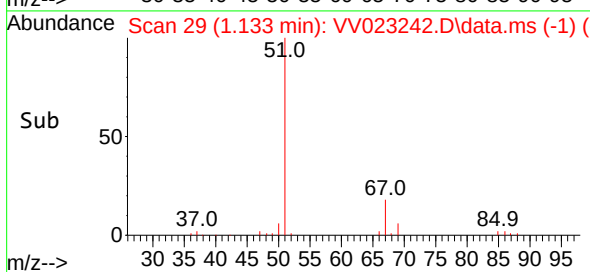
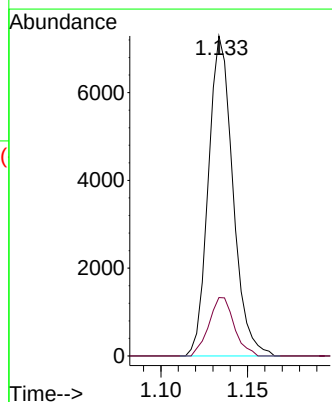
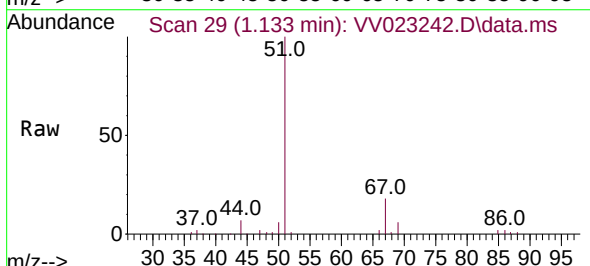
Instrument :
MSVOA_V
ClientSampleId :

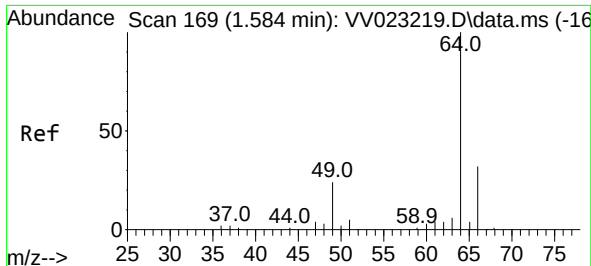
Tgt Ion: 85 Resp: 2588
Ion Ratio Lower Upper
85 100
87 31.0 26.0 39.0



#3
Chloromethane
Concen: 0.660 ug/L
RT: 1.133 min Scan# 29
Delta R.T. -0.106 min
Lab File: VV023242.D
Acq: 05 Nov 2021 19:07

Tgt Ion: 50 Resp: 7168
Ion Ratio Lower Upper
50 100
52 18.2 23.7 43.9#





#8

Chloroethane

Concen: 0.098 ug/L

RT: 1.307 min Scan# 81

Delta R.T. -0.277 min

Lab File: VV023242.D

Acq: 05 Nov 2021 19:07

Instrument :

MSVOA_V

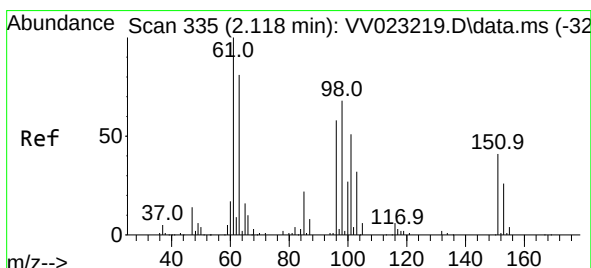
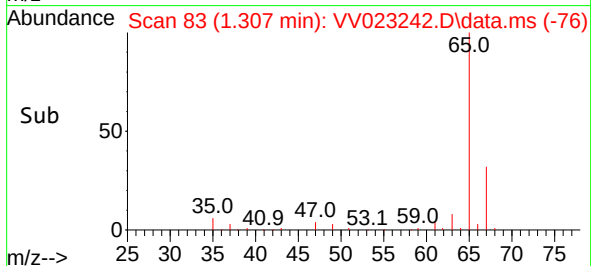
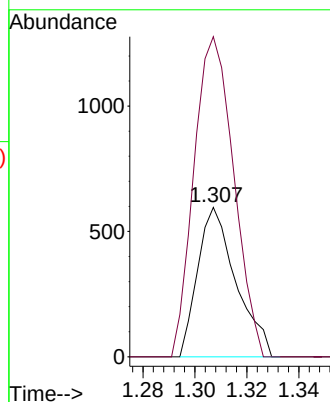
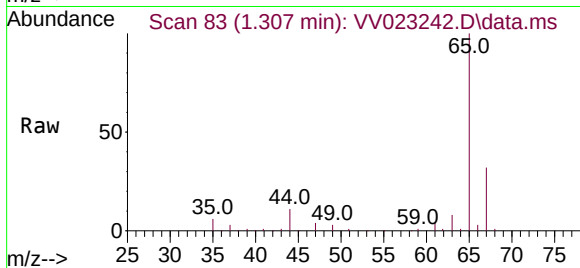
ClientSampleId :

Tgt Ion: 64 Resp: 612

Ion Ratio Lower Upper

64 100

66 214.3 22.4 41.6#



#12

1,1-Dichloroethene

Concen: 0.085 ug/L

RT: 2.111 min Scan# 333

Delta R.T. -0.007 min

Lab File: VV023242.D

Acq: 05 Nov 2021 19:07

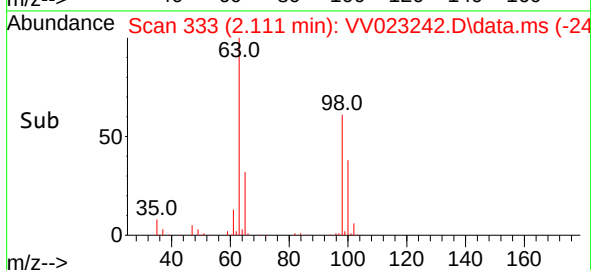
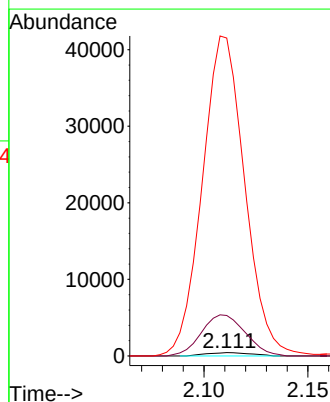
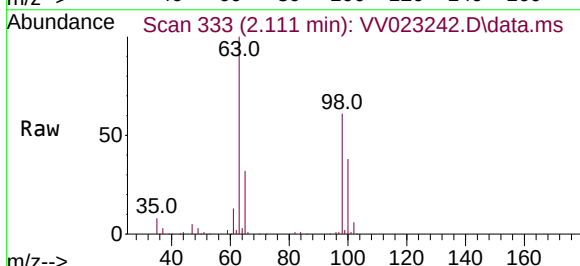
Tgt Ion: 96 Resp: 666

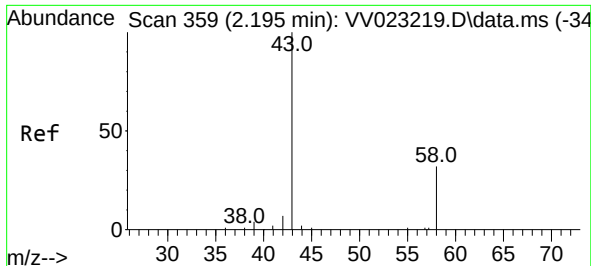
Ion Ratio Lower Upper

96 100

61 1206.8 117.7 218.7#

63 9479.5 80.5 149.5#





#13

Acetone

Concen: 3.007 ug/L

RT: 2.172 min Scan# 3

Delta R.T. -0.023 min

Lab File: VV023242.D

Acq: 05 Nov 2021 19:07

Instrument :

MSVOA_V

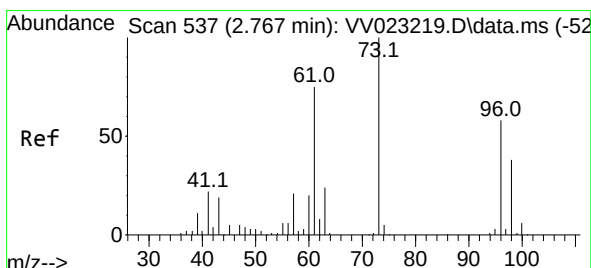
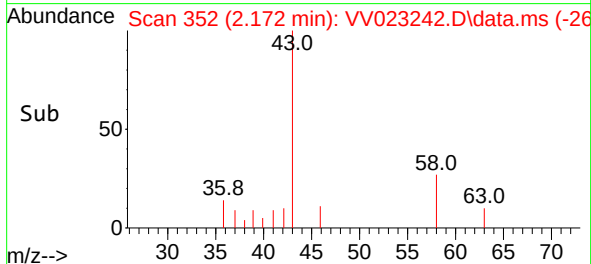
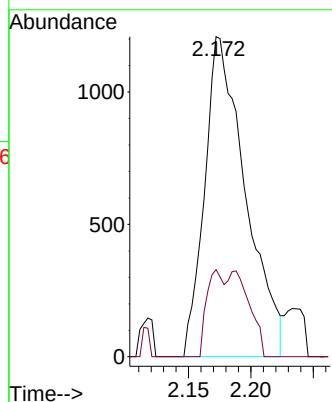
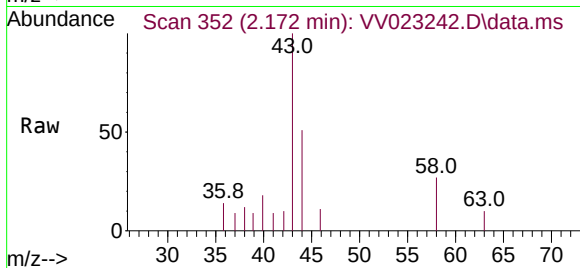
ClientSampleId :

Tgt Ion: 43 Resp: 2755

Ion Ratio Lower Upper

43 100

58 11.4 0.0 45.8



#17

Methyl tert-butyl Ether

Concen: 5.566 ug/L

RT: 2.770 min Scan# 538

Delta R.T. 0.003 min

Lab File: VV023242.D

Acq: 05 Nov 2021 19:07

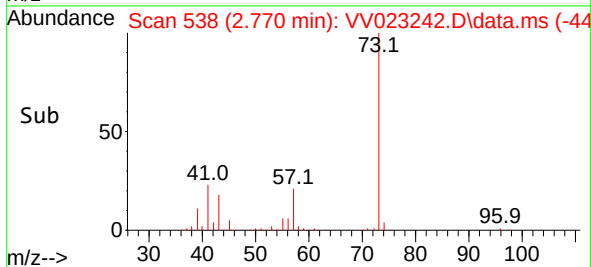
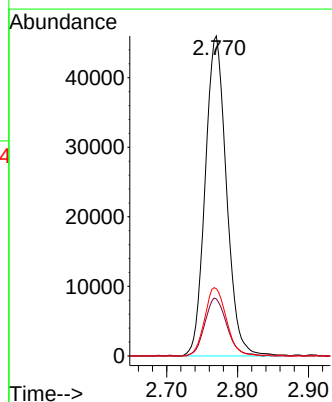
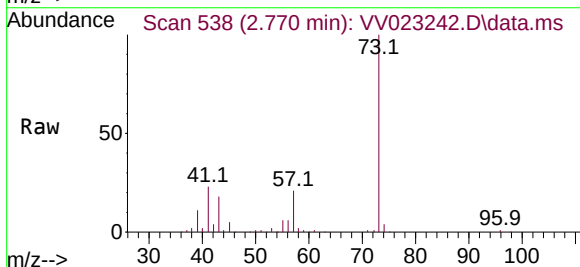
Tgt Ion: 73 Resp: 95680

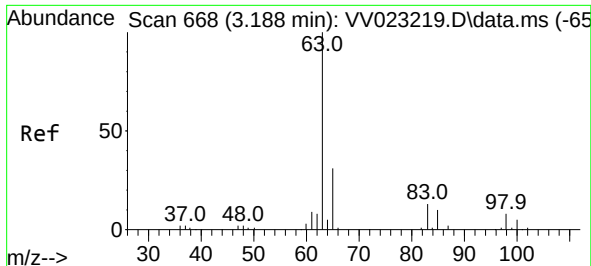
Ion Ratio Lower Upper

73 100

43 18.9 14.2 21.4

57 21.8 17.8 26.8





#19

1,1-Dichloroethane

Concen: 0.095 ug/L

RT: 3.194 min Scan# 6

Delta R.T. 0.006 min

Lab File: VV023242.D

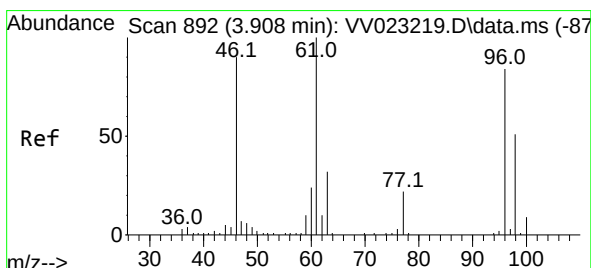
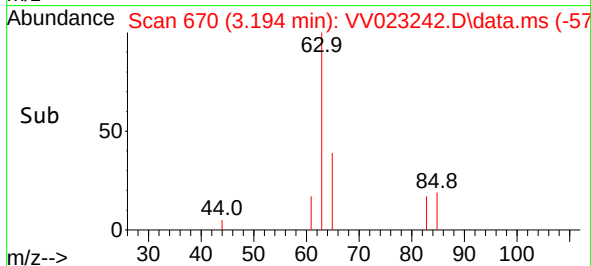
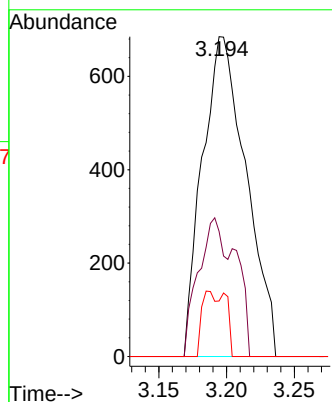
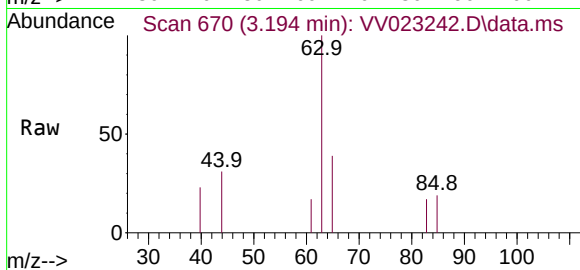
Acq: 05 Nov 2021 19:07

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 63	Resp: 1539
Ion Ratio	Lower Upper
63 100	
65 39.1	21.6 40.2
83 17.4	9.8 18.2



#22

cis-1,2-Dichloroethene

Concen: 0.661 ug/L

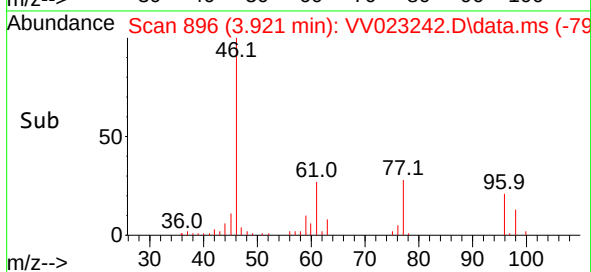
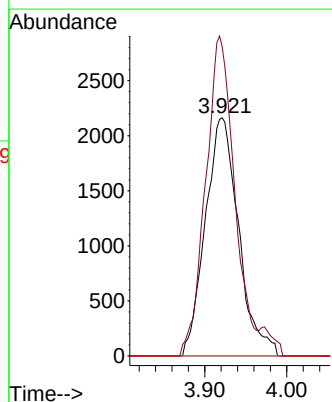
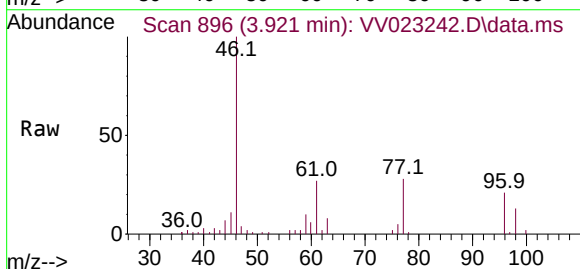
RT: 3.921 min Scan# 896

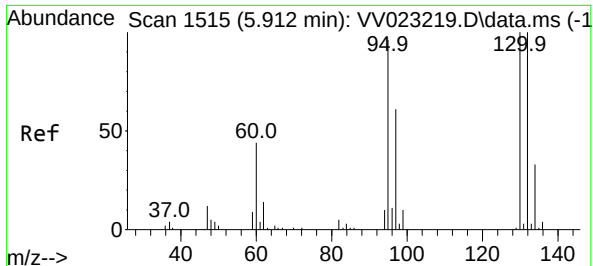
Delta R.T. 0.013 min

Lab File: VV023242.D

Acq: 05 Nov 2021 19:07

Tgt Ion: 96	Resp: 6103		
Ion Ratio	Lower	Upper	
96	100		
61	130.0	86.7	160.9
68	0.0	0.0	0.0

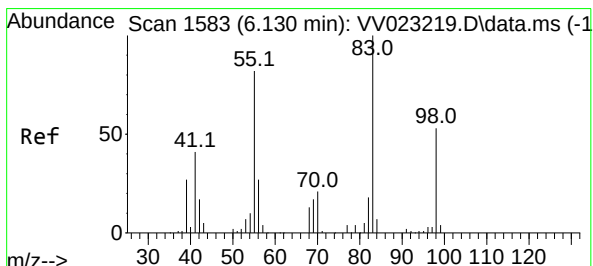
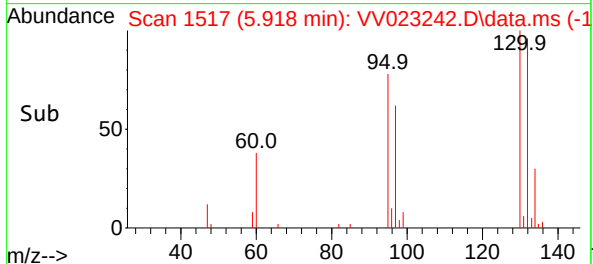
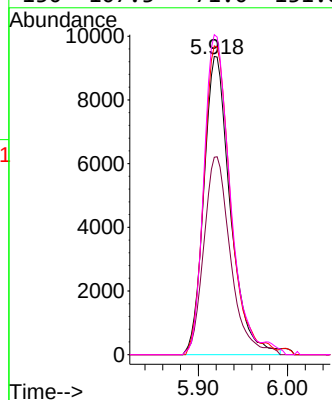
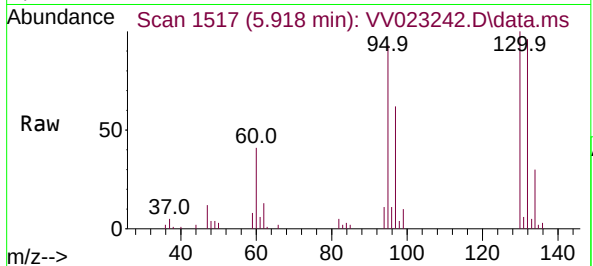




#34
Trichloroethene
Concen: 1.984 ug/L
RT: 5.918 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV023242.D
Acq: 05 Nov 2021 19:07

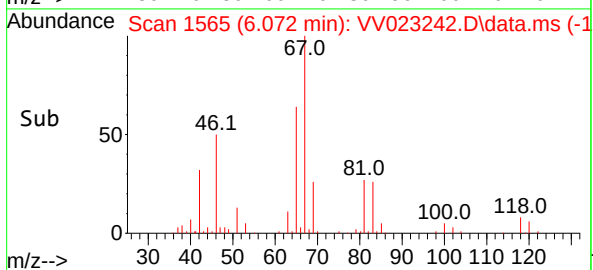
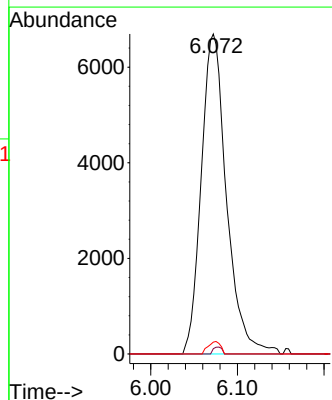
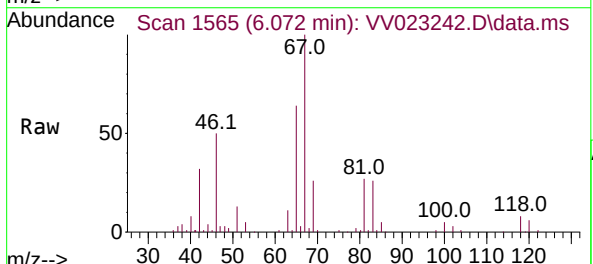
Instrument :
MSVOA_V
ClientSampleId :

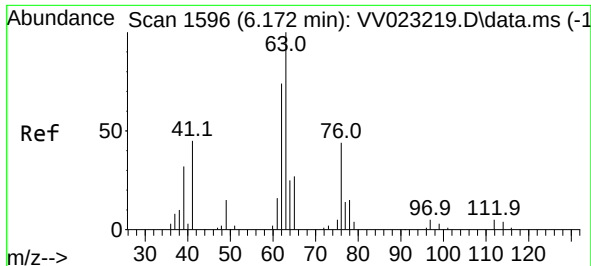
Tgt Ion: 95 Resp: 19346
Ion Ratio Lower Upper
95 100
97 66.2 43.3 80.5
132 103.5 70.0 130.0
130 107.3 71.0 131.8



#35
Methylcyclohexane
Concen: 0.883 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.058 min
Lab File: VV023242.D
Acq: 05 Nov 2021 19:07

Tgt Ion: 83 Resp: 13599
Ion Ratio Lower Upper
83 100
55 0.7 59.6 89.4#
98 1.9 40.6 61.0#





#37

1,2-Dichloropropane

Concen: 0.695 ug/L

RT: 6.072 min Scan# 1

Delta R.T. -0.100 min

Lab File: VV023242.D

Acq: 05 Nov 2021 19:07

Instrument :

MSVOA_V

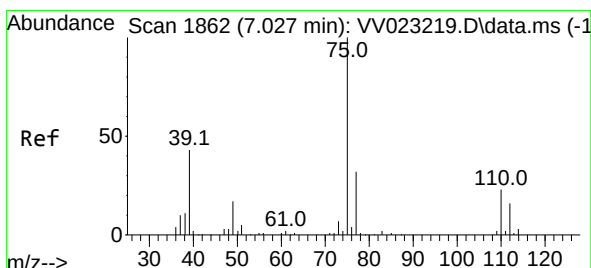
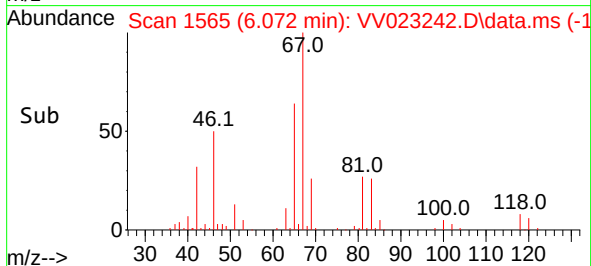
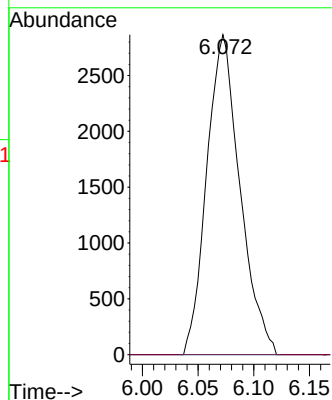
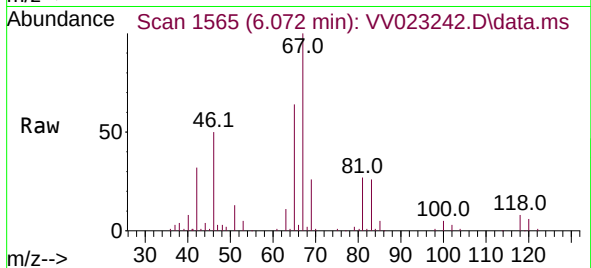
ClientSampleId :

Tgt Ion: 63 Resp: 5951

Ion Ratio Lower Upper

63 100

112 0.0 4.5 6.7#



#39

cis-1,3-Dichloropropene

Concen: 0.129 ug/L

RT: 6.985 min Scan# 1849

Delta R.T. -0.042 min

Lab File: VV023242.D

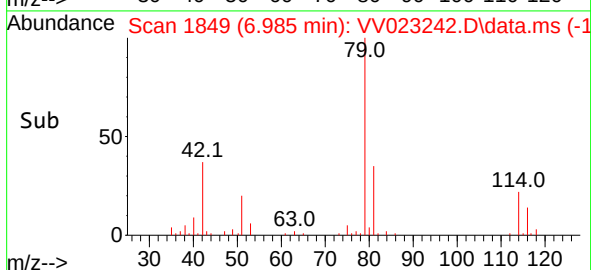
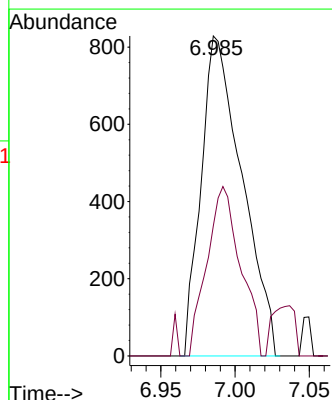
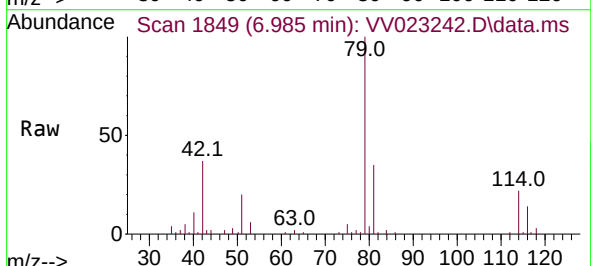
Acq: 05 Nov 2021 19:07

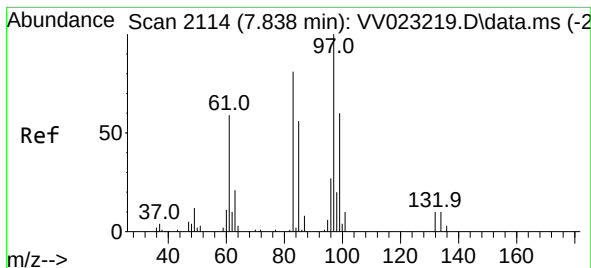
Tgt Ion: 75 Resp: 1587

Ion Ratio Lower Upper

75 100

77 40.7 22.3 41.3





#45

1,1,2-Trichloroethane

Concen: 0.151 ug/L

RT: 7.972 min Scan# 2114

Delta R.T. 0.135 min

Lab File: VV023242.D

Acq: 05 Nov 2021 19:07

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 927

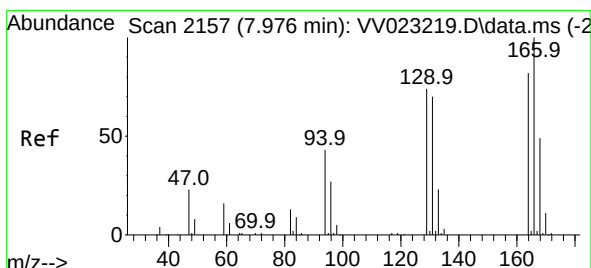
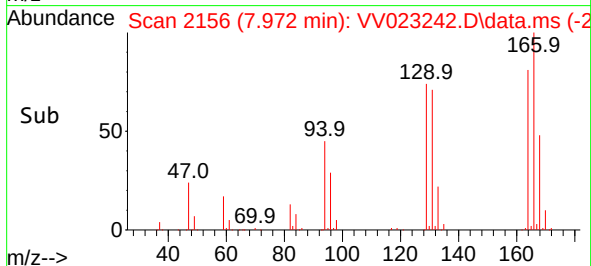
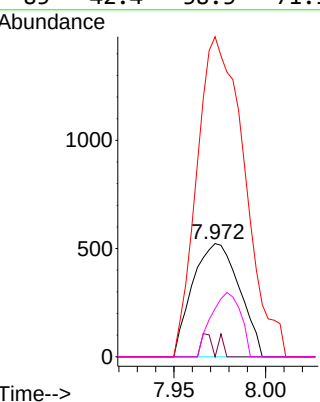
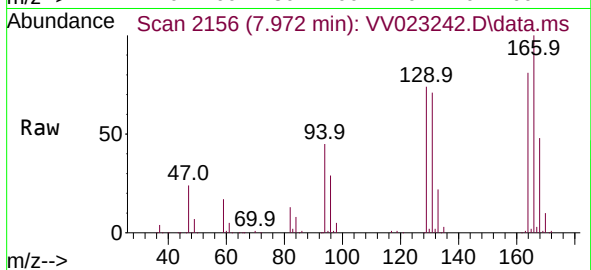
Ion Ratio Lower Upper

97 100

99 0.0 47.0 87.4#

83 282.8 62.6 116.3#

85 42.4 38.3 71.1



#47

Tetrachloroethene

Concen: 13.854 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.000 min

Lab File: VV023242.D

Acq: 05 Nov 2021 19:07

Tgt Ion:164 Resp: 117101

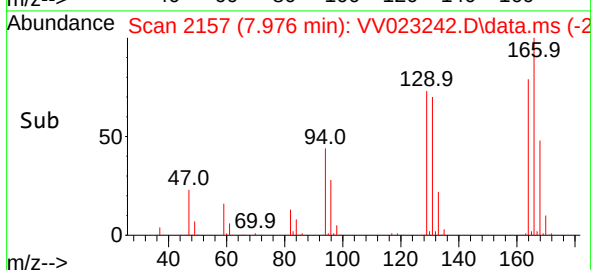
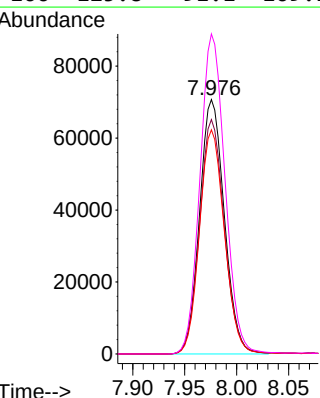
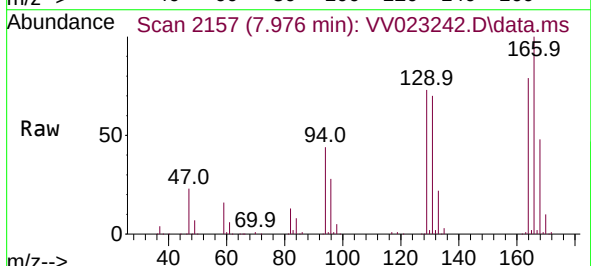
Ion Ratio Lower Upper

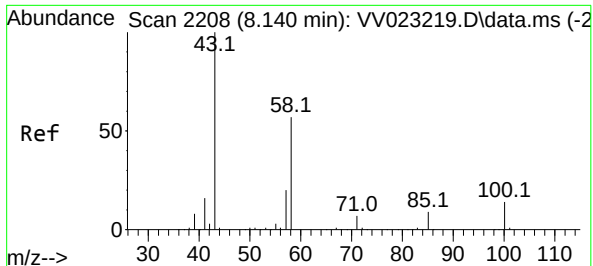
164 100

129 92.1 65.5 121.7

131 88.1 63.9 118.7

166 125.8 91.1 169.1

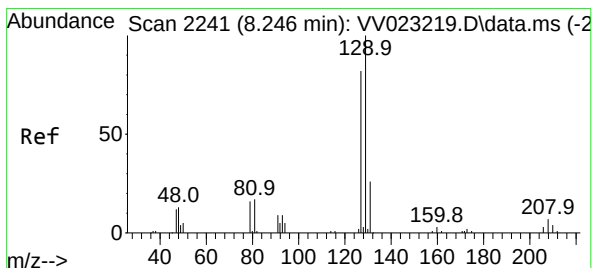
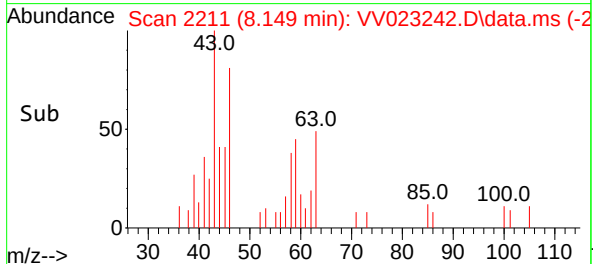
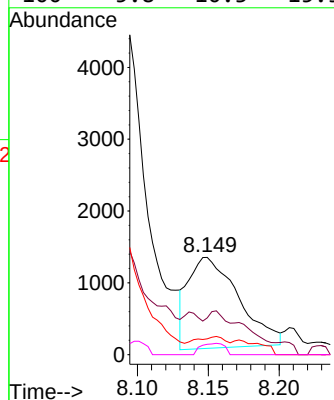
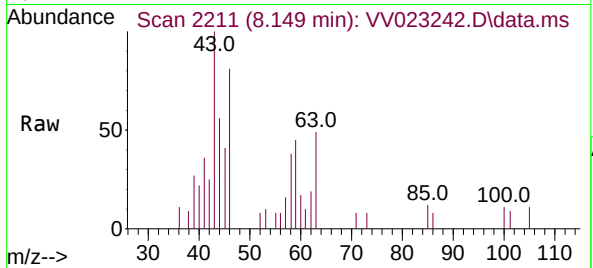




#48
2-Hexanone
Concen: 1.101 ug/L
RT: 8.149 min Scan# 2117
Delta R.T. 0.009 min
Lab File: VV023242.D
Acq: 05 Nov 2021 19:07

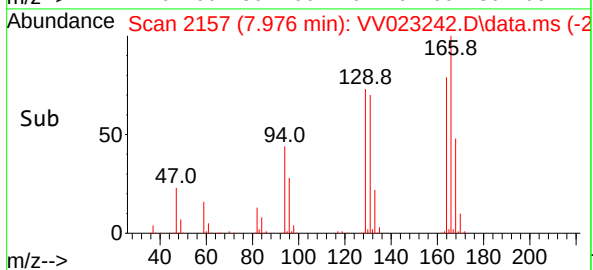
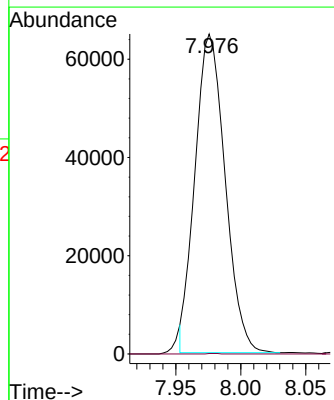
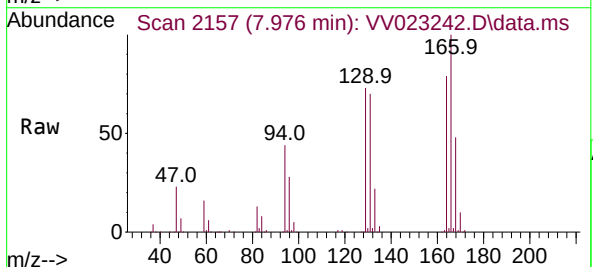
Instrument :
MSVOA_V
ClientSampleId :

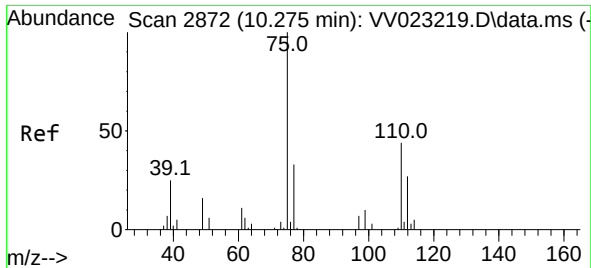
Tgt Ion: 43	Resp: 3137
Ion Ratio	Lower Upper
43 100	
58 24.6	43.0 64.6#
57 13.1	14.9 22.3#
100 5.8	10.3 15.5#



#49
Dibromochloromethane
Concen: 13.418 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.270 min
Lab File: VV023242.D
Acq: 05 Nov 2021 19:07

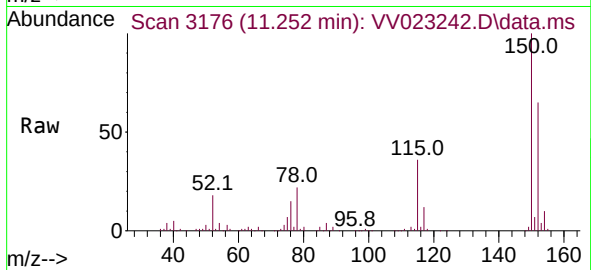
Tgt Ion:129	Resp: 104591
Ion Ratio	Lower Upper
129 100	
127 0.2	54.4 101.0#





#61
 1,2,3-Trichloropropane
 Concen: 1.606 ug/L
 RT: 11.252 min Scan# 31
 Delta R.T. 0.977 min
 Lab File: VV023242.D
 Acq: 05 Nov 2021 19:07

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:	75	Resp:	6506
Ion	Ratio	Lower	Upper
75	100		
77	32.3	26.6	39.8
110	2.3	33.0	49.4#

