

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111721\
 Data File : VW023587.D
 Acq On : 17 Nov 2021 22:11
 Operator : SY/MD
 Sample : M4627-15
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H4642

Quant Time: Nov 18 00:25:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 18 00:20:29 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	129878	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	127158	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	60858	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	40861	5.022	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.400%
7) Chloroethane-d5	1.568	69	29410	4.435	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.800%
11) 1,1-Dichloroethene-d2	2.108	63	54063	3.549	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.000%
20) 2-Butanone-d5	3.889	46	64553	46.052	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.100%
24) Chloroform-d	4.349	84	61586	3.552	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	71.000%
26) 1,2-Dichloroethane-d4	5.034	65	31023	3.979	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.600%
32) Benzene-d6	5.053	84	129624	3.973	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.400%
36) 1,2-Dichloropropane-d6	6.072	67	37245	3.878	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	77.600%
41) Toluene-d8	7.317	98	114487	3.745	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.800%
43) trans-1,3-Dichloroprop...	7.625	79	12744	3.499	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	70.000%
46) 2-Hexanone-d5	8.092	63	45302	33.810	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	67.620%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	24637	3.567	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	71.400%
66) 1,2-Dichlorobenzene-d4	11.625	152	42066	4.151	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.000%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.311	62	92758	8.626	ug/L	100
8) Chloroethane	1.520	64	14101	2.272	ug/L #	54
12) 1,1-Dichloroethene	2.118	96	2860	0.369	ug/L #	1
15) Methyl Acetate	2.497	43	908	0.375	ug/L #	47
17) Methyl tert-butyl Ether	2.767	73	222111	13.028	ug/L	97
18) trans-1,2-Dichloroethene	2.761	96	39364	4.134	ug/L	98
19) 1,1-Dichloroethane	3.195	63	16985	1.057	ug/L	97
22) cis-1,2-Dichloroethene	3.908	96	1355114	147.893	ug/L #	92
33) Benzene	5.108	78	9214	0.259	ug/L	100
34) Trichloroethene	5.915	95	127733	13.515	ug/L	98
35) Methylcyclohexane	6.072	83	9945	0.667	ug/L #	17
37) 1,2-Dichloropropane	6.072	63	4445	0.536	ug/L #	83
39) cis-1,3-Dichloropropene	6.989	75	1155	0.097	ug/L #	52
42) Toluene	7.404	91	2437	0.064	ug/L	93
47) Tetrachloroethene	7.976	164	1115	0.136	ug/L	92
49) Dibromochloromethane	7.979	129	1133	0.150	ug/L #	10
61) 1,2,3-Trichloropropane	11.252	75	6282	1.554	ug/L #	65

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QLast Update : Thu Nov 18 00:20:29 2021
Response via : Initial Calibration

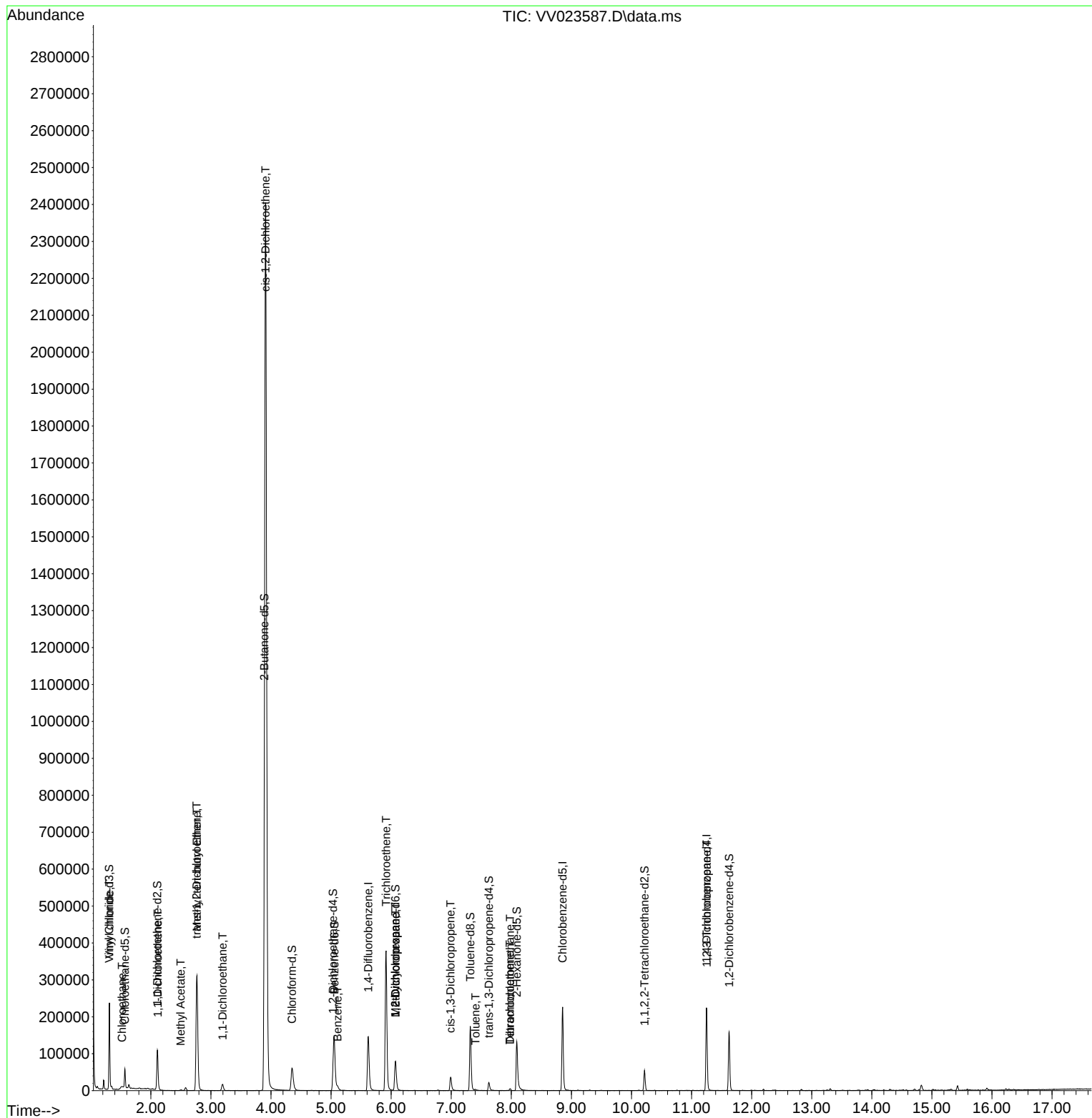
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

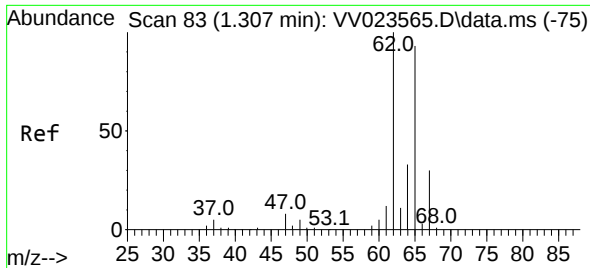
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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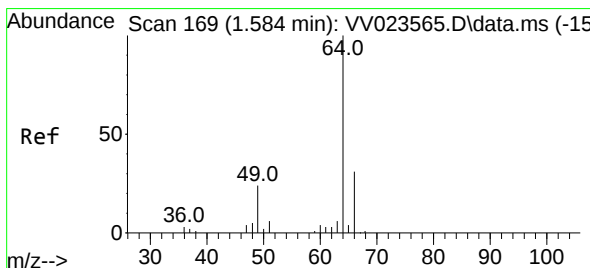
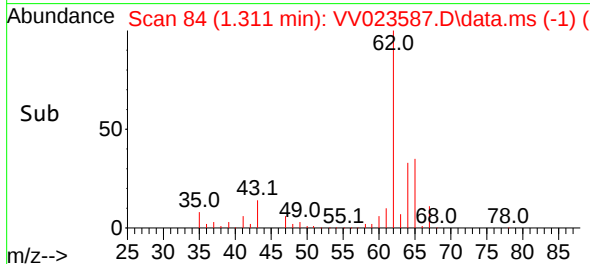
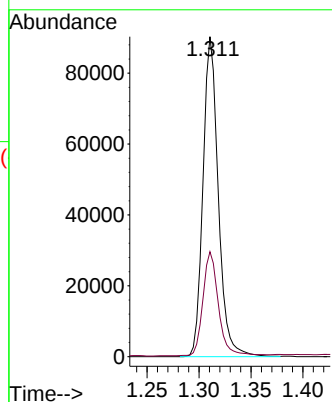
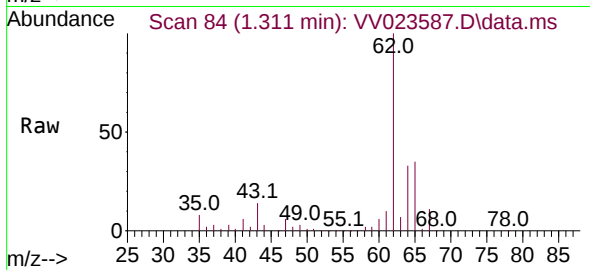




#5
 Vinyl chloride
 Concen: 8.626 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV023587.D
 Acq: 17 Nov 2021 22:11

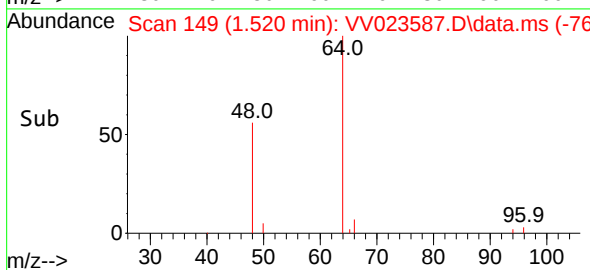
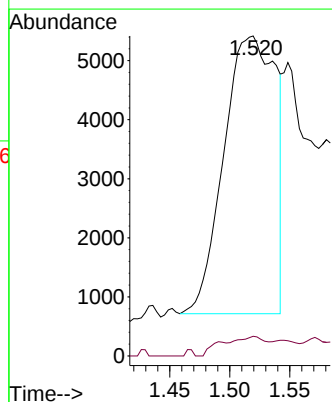
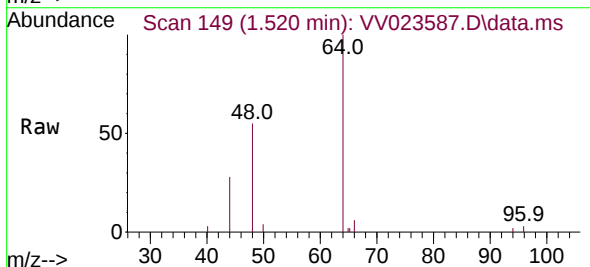
Instrument :
 MSVOA_V
 ClientSampleId :
 H4642

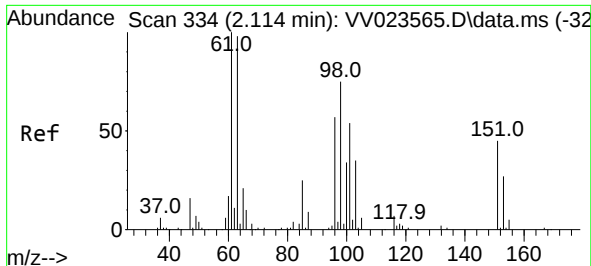
Tgt Ion: 62 Resp: 92758
 Ion Ratio Lower Upper
 62 100
 64 32.8 23.1 42.9



#8
 Chloroethane
 Concen: 2.272 ug/L
 RT: 1.520 min Scan# 149
 Delta R.T. -0.064 min
 Lab File: VV023587.D
 Acq: 17 Nov 2021 22:11

Tgt Ion: 64 Resp: 14101
 Ion Ratio Lower Upper
 64 100
 66 6.1 22.1 41.1#





#12

1,1-Dichloroethene

Concen: 0.369 ug/L

RT: 2.118 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV023587.D

Acq: 17 Nov 2021 22:11

Instrument :

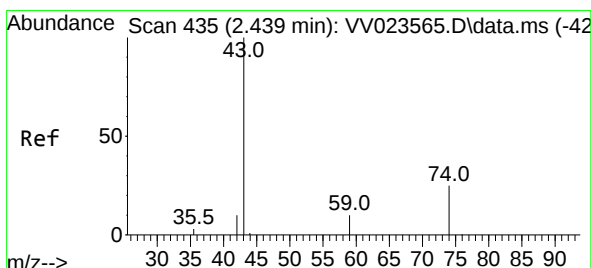
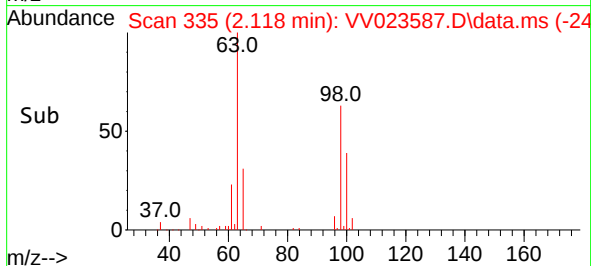
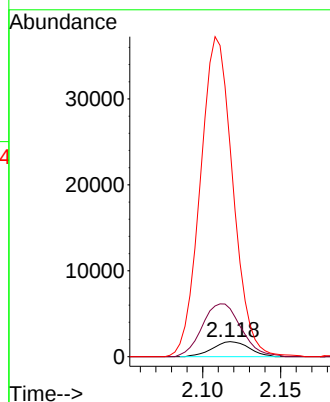
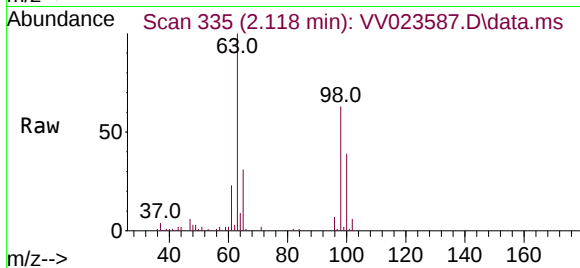
MSVOA_V

ClientSampleId :

H4642

Tgt Ion: 96 Resp: 2860

Ion	Ratio	Lower	Upper
96	100		
61	320.0	121.5	225.7#
63	1397.1	99.6	185.0#



#15

Methyl Acetate

Concen: 0.375 ug/L

RT: 2.497 min Scan# 453

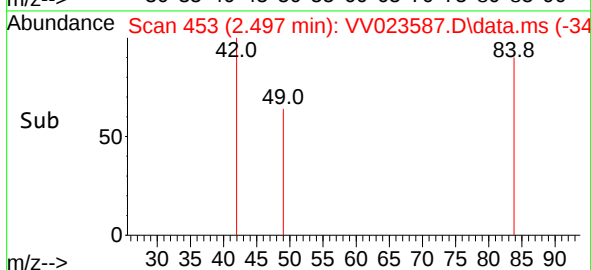
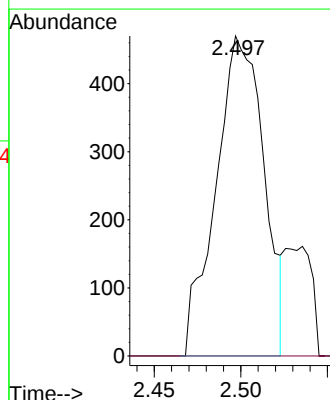
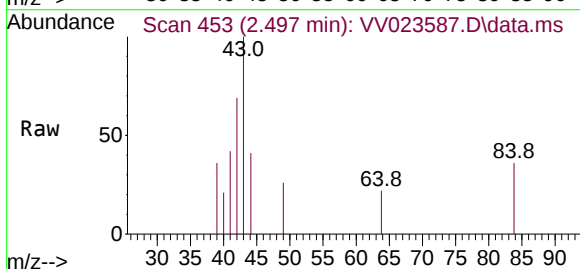
Delta R.T. 0.058 min

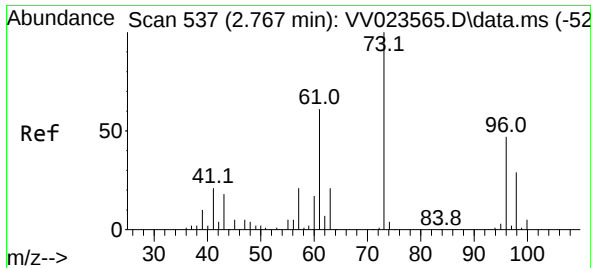
Lab File: VV023587.D

Acq: 17 Nov 2021 22:11

Tgt Ion: 43 Resp: 908

Ion	Ratio	Lower	Upper
43	100		
74	0.0	22.2	33.2#

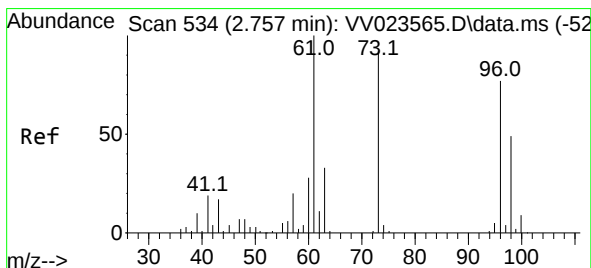
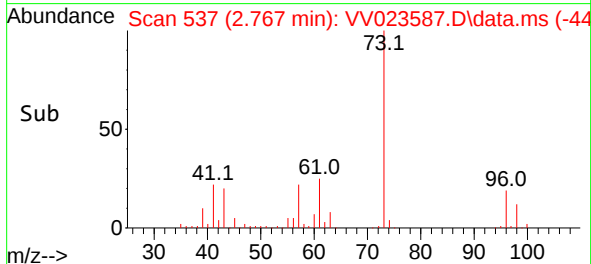
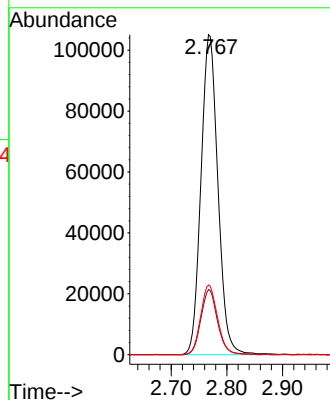
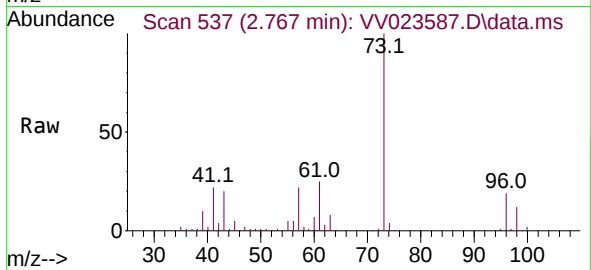




#17
Methyl tert-butyl Ether
Concen: 13.028 ug/L
RT: 2.767 min Scan# 511
Delta R.T. 0.000 min
Lab File: VV023587.D
Acq: 17 Nov 2021 22:11

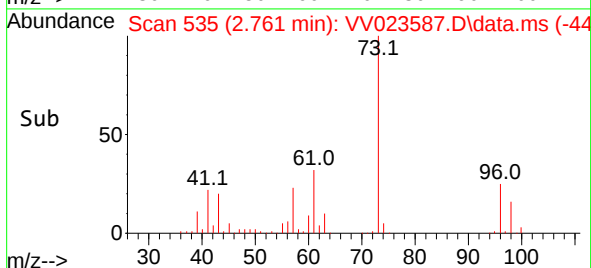
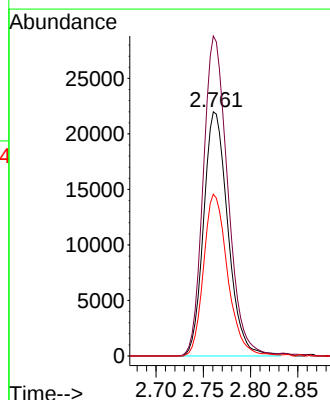
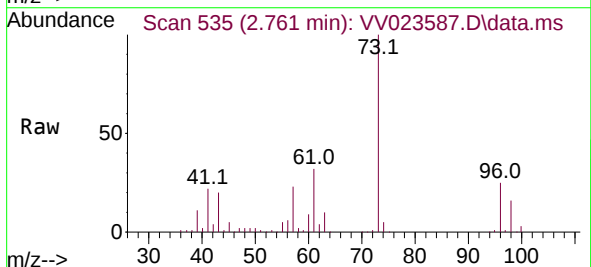
Instrument :
MSVOA_V
ClientSampleId :
H4642

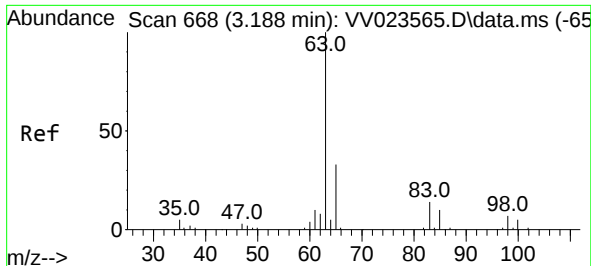
Tgt Ion: 73 Resp: 222111
Ion Ratio Lower Upper
73 100
43 20.0 17.4 26.0
57 21.7 16.5 24.7



#18
trans-1,2-Dichloroethene
Concen: 4.134 ug/L
RT: 2.761 min Scan# 535
Delta R.T. 0.003 min
Lab File: VV023587.D
Acq: 17 Nov 2021 22:11

Tgt Ion: 96 Resp: 39364
Ion Ratio Lower Upper
96 100
61 131.0 93.2 173.2
98 66.2 47.0 87.2





#19

1,1-Dichloroethane

Concen: 1.057 ug/L

RT: 3.195 min Scan# 6

Delta R.T. 0.007 min

Lab File: VV023587.D

Acq: 17 Nov 2021 22:11

Instrument :

MSVOA_V

ClientSampleId :

H4642

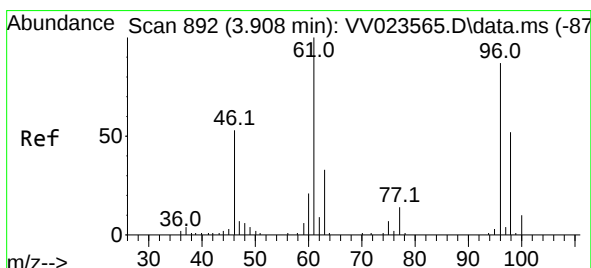
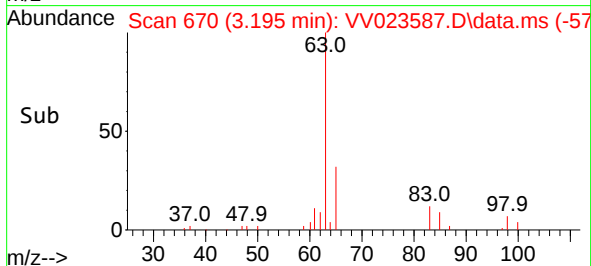
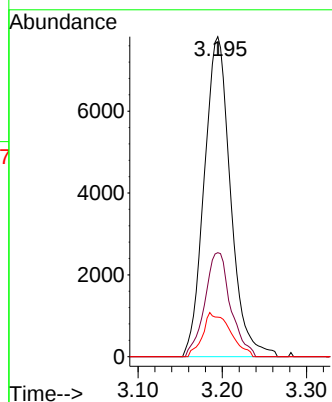
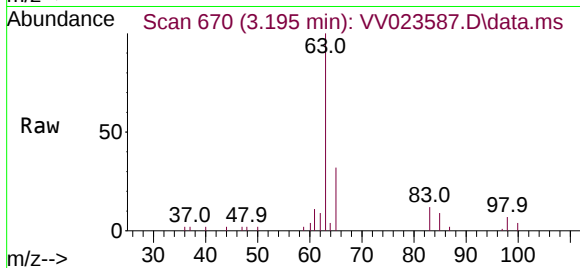
Tgt Ion: 63 Resp: 16985

Ion Ratio Lower Upper

63 100

65 32.5 22.6 42.0

83 12.3 11.1 20.7



#22

cis-1,2-Dichloroethene

Concen: 147.893 ug/L

RT: 3.908 min Scan# 892

Delta R.T. 0.000 min

Lab File: VV023587.D

Acq: 17 Nov 2021 22:11

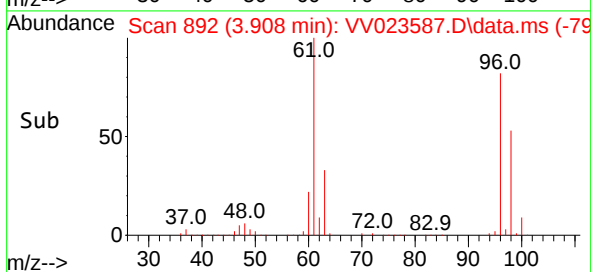
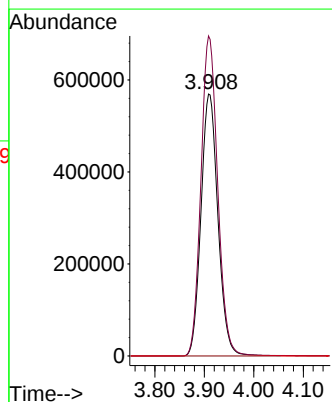
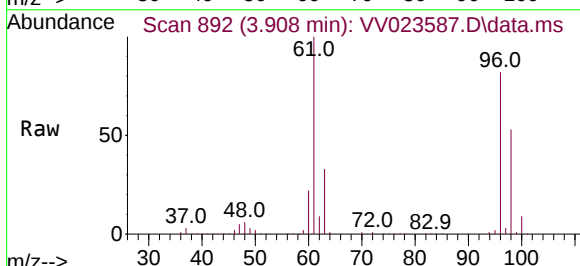
Tgt Ion: 96 Resp: 1355114

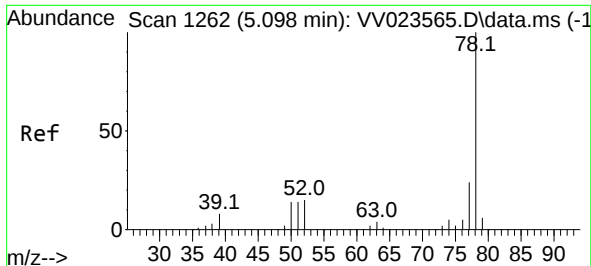
Ion Ratio Lower Upper

96 100

61 122.2 92.3 171.3

68 0.0 0.4 0.8#





#33

Benzene

Concen: 0.259 ug/L

RT: 5.108 min Scan# 11

Delta R.T. 0.010 min

Lab File: VV023587.D

Acq: 17 Nov 2021 22:11

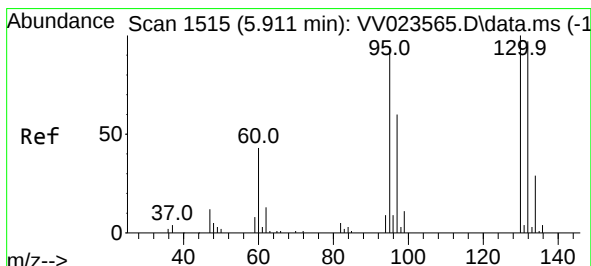
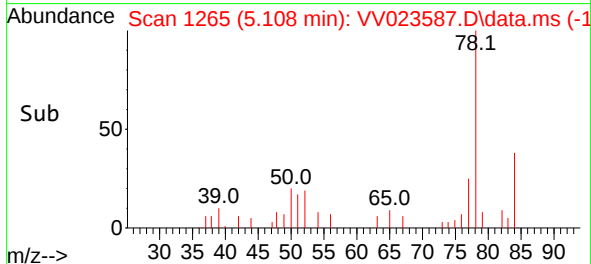
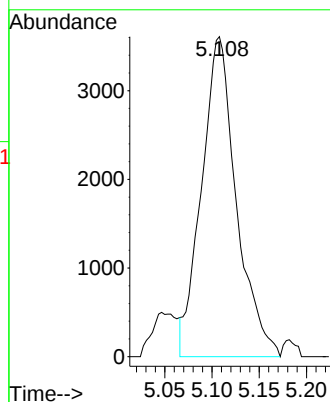
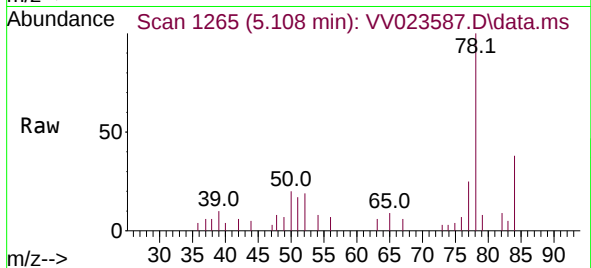
Instrument :

MSVOA_V

ClientSampleId :

H4642

Tgt Ion: 78 Resp: 9214



#34

Trichloroethene

Concen: 13.515 ug/L

RT: 5.915 min Scan# 1516

Delta R.T. 0.003 min

Lab File: VV023587.D

Acq: 17 Nov 2021 22:11

Tgt Ion: 95 Resp: 127733

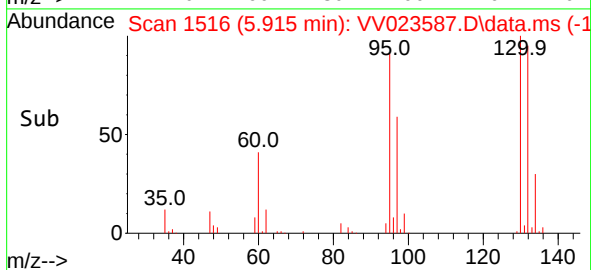
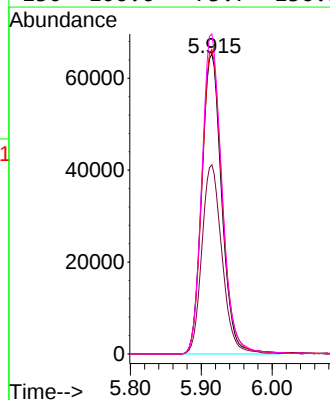
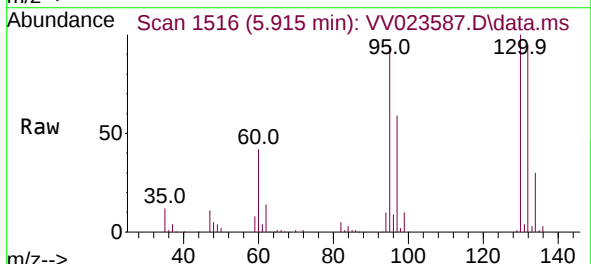
Ion Ratio Lower Upper

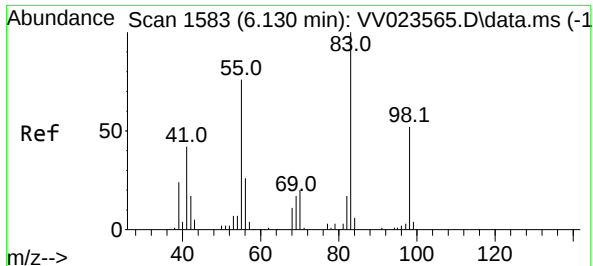
95 100

97 63.0 45.0 83.6

132 101.4 69.7 129.4

130 106.6 73.7 136.9





#35

Methylcyclohexane

Concen: 0.667 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.058 min

Lab File: VV023587.D

Acq: 17 Nov 2021 22:11

Instrument :

MSVOA_V

ClientSampleId :

H4642

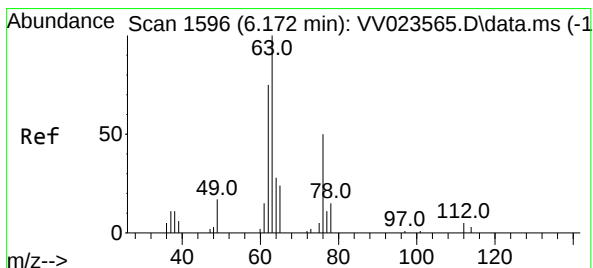
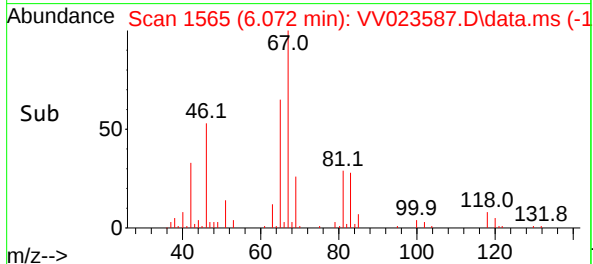
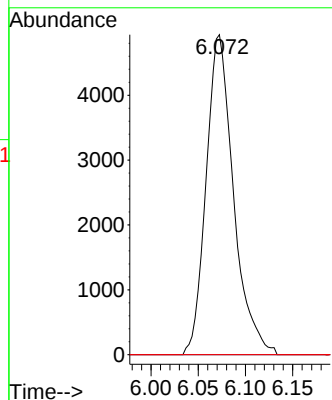
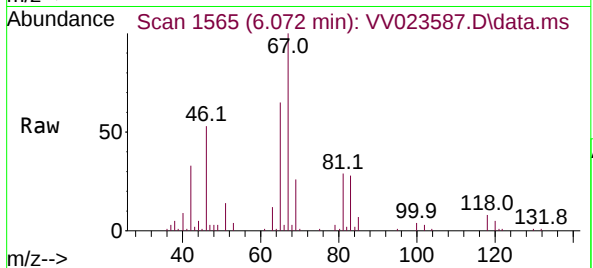
Tgt Ion: 83 Resp: 9945

Ion Ratio Lower Upper

83 100

55 0.0 62.8 94.2#

98 0.0 37.9 56.9#



#37

1,2-Dichloropropane

Concen: 0.536 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.100 min

Lab File: VV023587.D

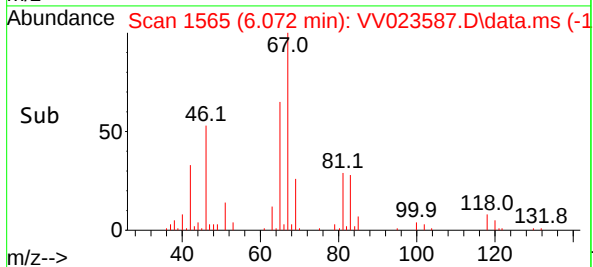
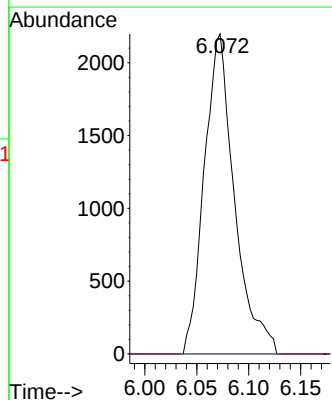
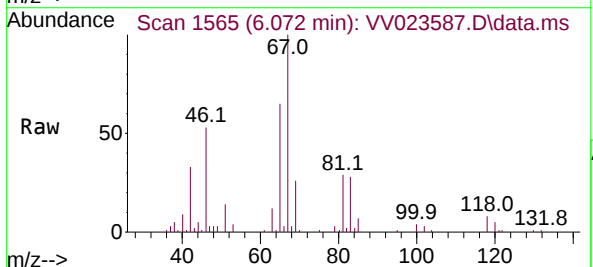
Acq: 17 Nov 2021 22:11

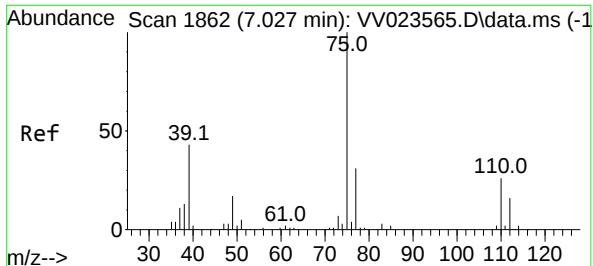
Tgt Ion: 63 Resp: 4445

Ion Ratio Lower Upper

63 100

112 0.0 4.6 6.8#





#39

cis-1,3-Dichloropropene

Concen: 0.097 ug/L

RT: 6.989 min Scan# 11

Delta R.T. -0.038 min

Lab File: VV023587.D

Acq: 17 Nov 2021 22:11

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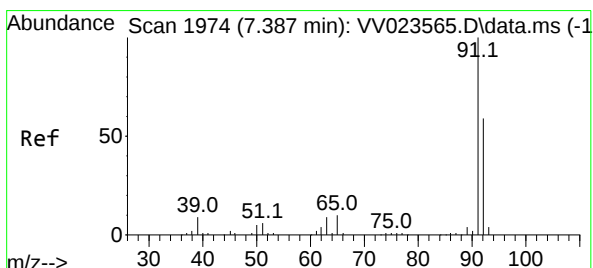
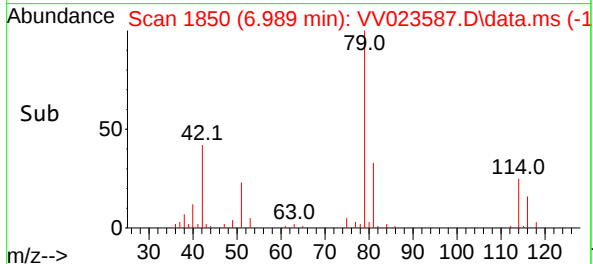
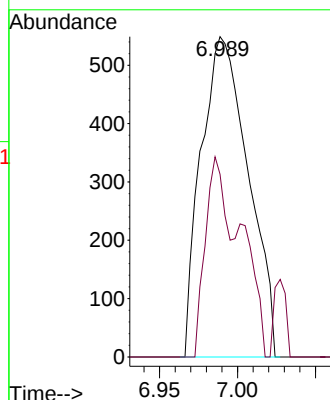
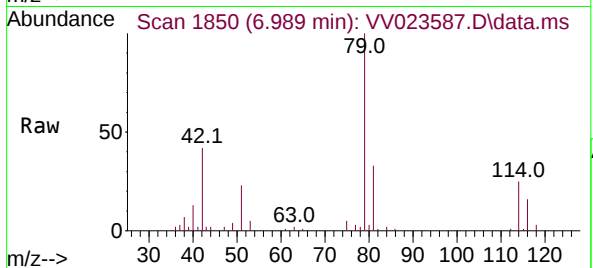
H4642

Tgt Ion: 75 Resp: 1155

Ion Ratio Lower Upper

75 100

77 57.0 21.6 40.2#



#42

Toluene

Concen: 0.064 ug/L

RT: 7.404 min Scan# 1979

Delta R.T. 0.016 min

Lab File: VV023587.D

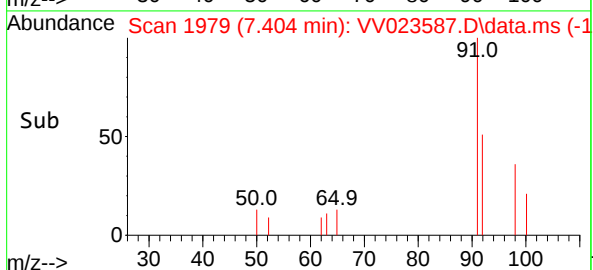
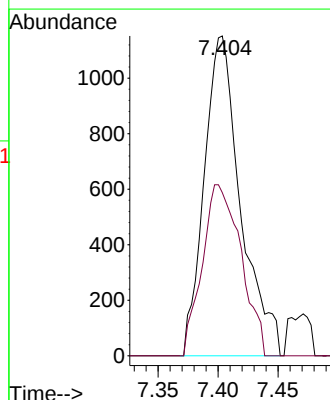
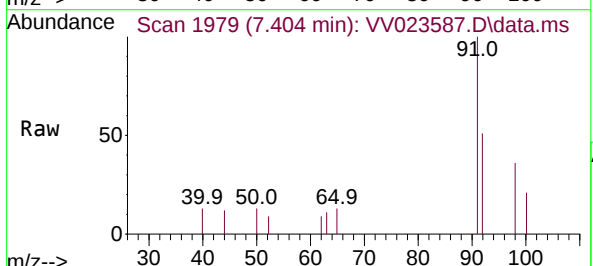
Acq: 17 Nov 2021 22:11

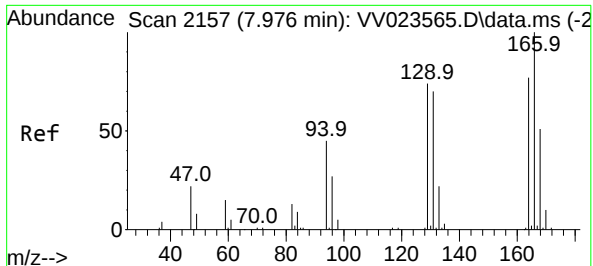
Tgt Ion: 91 Resp: 2437

Ion Ratio Lower Upper

91 100

92 51.0 39.3 72.9





#47

Tetrachloroethene

Concen: 0.136 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.000 min

Lab File: VV023587.D

Acq: 17 Nov 2021 22:11

Instrument :

MSVOA_V

ClientSampleId :

H4642

Tgt Ion:164 Resp: 1115

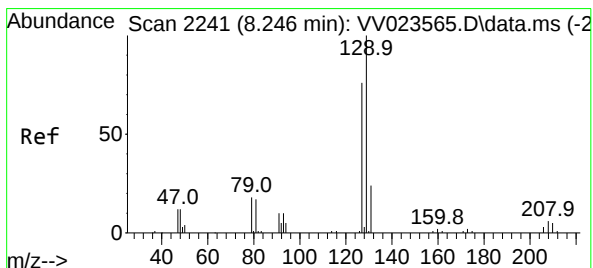
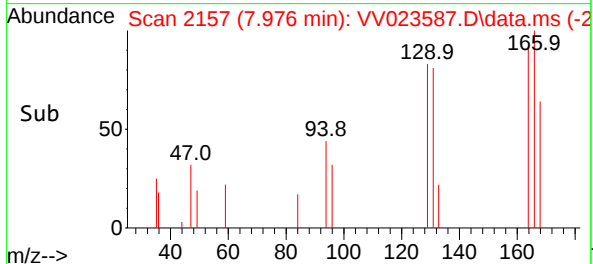
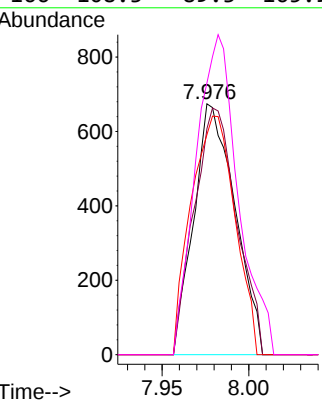
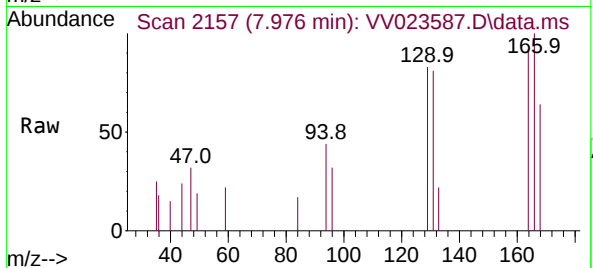
Ion Ratio Lower Upper

164 100

129 90.1 64.0 119.0

131 87.7 63.4 117.8

166 108.3 89.3 165.9



#49

Dibromochloromethane

Concen: 0.150 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.267 min

Lab File: VV023587.D

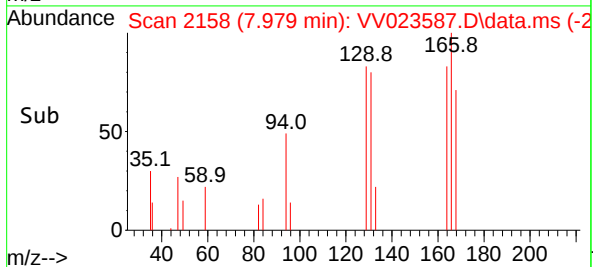
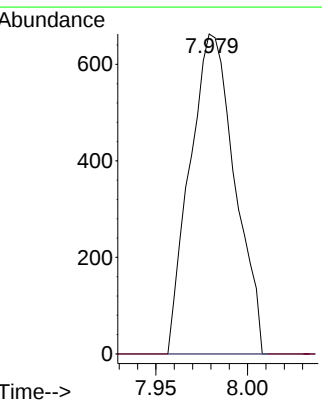
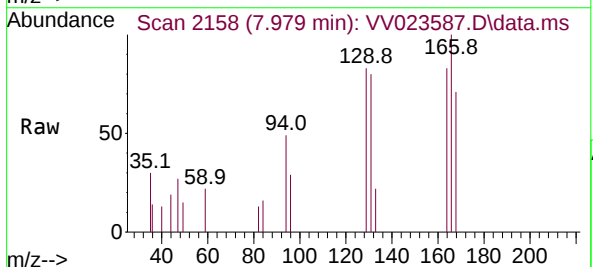
Acq: 17 Nov 2021 22:11

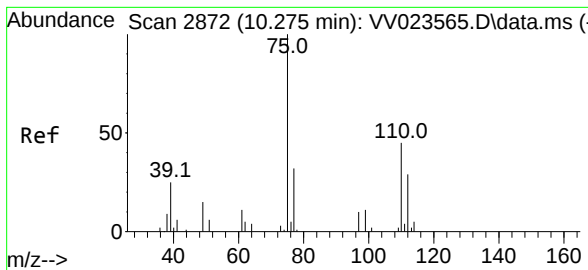
Tgt Ion:129 Resp: 1133

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#





#61
 1,2,3-Trichloropropane
 Concen: 1.554 ug/L
 RT: 11.252 min Scan# 31
 Delta R.T. 0.978 min
 Lab File: VV023587.D
 Acq: 17 Nov 2021 22:11

Instrument :
 MSVOA_V
 ClientSampleId :
 H4642

Tgt Ion: 75	Resp:	6282
Ion Ratio	Lower	Upper
75	100	
77	37.0	26.6 39.8
110	3.6	31.8 47.6#

