

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111721\
 Data File : VW023588.D
 Acq On : 17 Nov 2021 22:34
 Operator : SY/MD
 Sample : M4627-16
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H4647

Quant Time: Nov 18 00:25:55 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	73173	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	73606	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	32798	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	23358	5.096	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.000%
7) Chloroethane-d5	1.568	69	16324	4.369	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.400%
11) 1,1-Dichloroethene-d2	2.108	63	32476	3.784	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.600%
20) 2-Butanone-d5	3.886	46	65781	83.294	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	166.580%#
24) Chloroform-d	4.349	84	39376	4.031	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.600%
26) 1,2-Dichloroethane-d4	5.037	65	22345	5.086	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.800%
32) Benzene-d6	5.050	84	76865	4.070	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.400%
36) 1,2-Dichloropropane-d6	6.072	67	24186	4.350	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.000%
41) Toluene-d8	7.317	98	65019	3.674	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.400%
43) trans-1,3-Dichloroprop...	7.629	79	9500	4.507	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.200%
46) 2-Hexanone-d5	8.088	63	46368	59.783	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	119.560%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	21650	5.415	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.400%
66) 1,2-Dichlorobenzene-d4	11.625	152	25852	4.734	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.600%
Target Compounds						Qvalue
3) Chloromethane	1.240	50	405	0.067	ug/L	83
5) Vinyl chloride	1.311	62	25836	4.264	ug/L	95
6) Bromomethane	1.520	94	265	0.068	ug/L	83
8) Chloroethane	1.494	64	22266	6.368	ug/L #	53
10) 1,1,2-Trichloro-1,2,2-...	2.101	101	481	0.105	ug/L #	18
12) 1,1-Dichloroethene	2.118	96	1529	0.350	ug/L #	1
13) Acetone	2.175	43	1005	2.083	ug/L	87
17) Methyl tert-butyl Ether	2.767	73	173232	18.035	ug/L	96
18) trans-1,2-Dichloroethene	2.764	96	12789	2.384	ug/L	99
19) 1,1-Dichloroethane	3.191	63	8733	0.964	ug/L	98
22) cis-1,2-Dichloroethene	3.912	96	318380	61.674	ug/L #	90
27) 1,2-Dichloroethane	5.066	62	507	0.099	ug/L #	72
33) Benzene	5.105	78	5513	0.268	ug/L	100
34) Trichloroethene	5.912	95	461664	84.384	ug/L	97
35) Methylcyclohexane	6.069	83	6160	0.713	ug/L #	17
47) Tetrachloroethene	7.979	164	13554	2.859	ug/L	97
48) 2-Hexanone	8.149	43	1971	1.263	ug/L #	42
49) Dibromochloromethane	7.976	129	12030	2.751	ug/L #	10
61) 1,2,3-Trichloropropane	11.249	75	3844	1.764	ug/L #	64

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Nov 18 00:20:29 2021
Response via : Initial Calibration

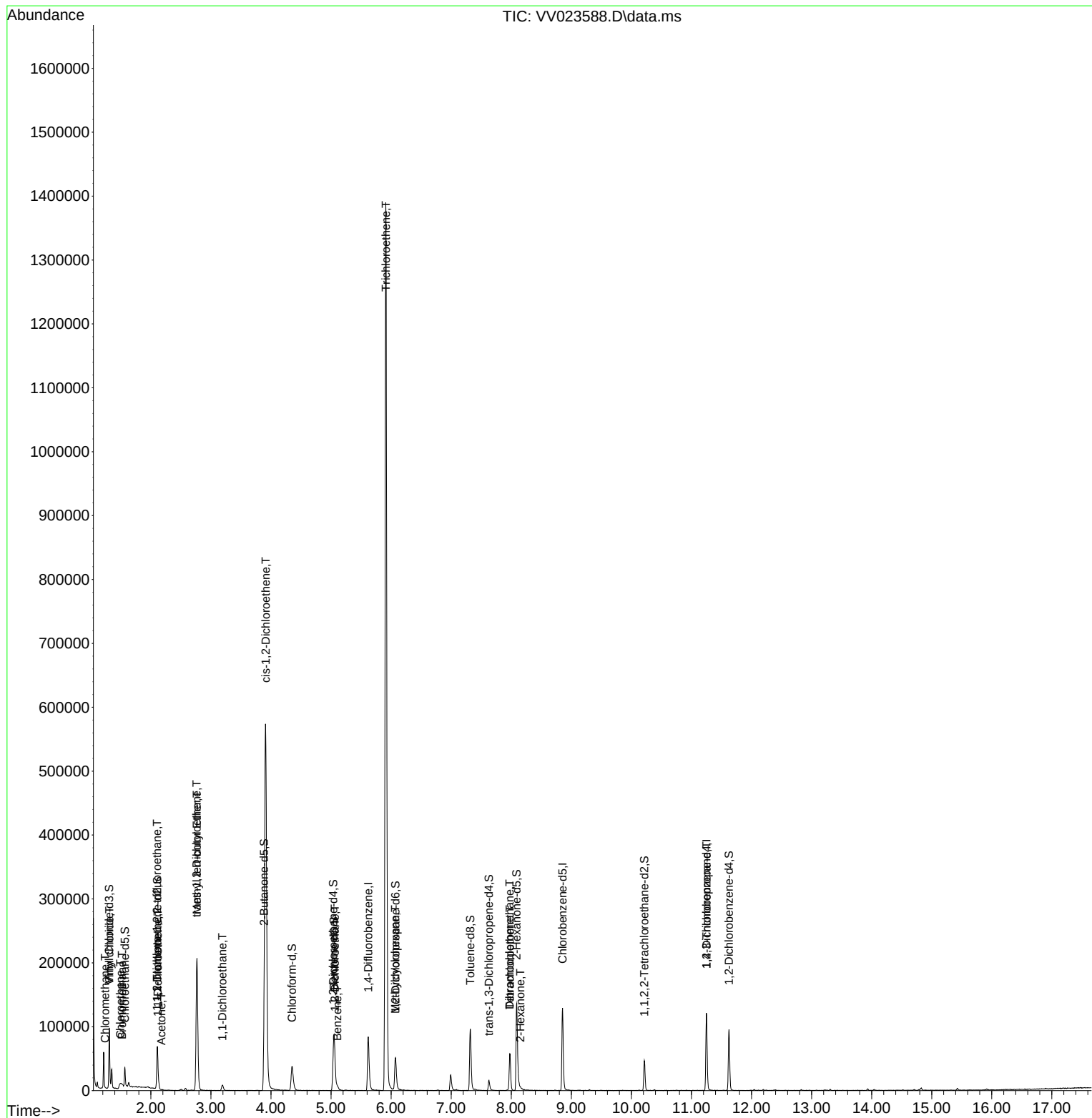
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

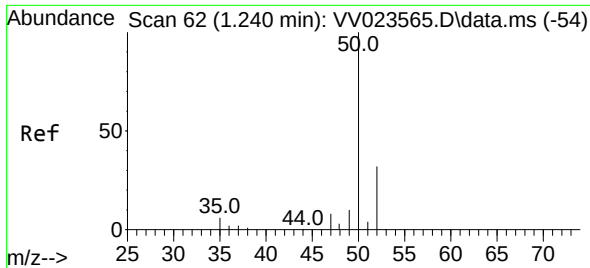
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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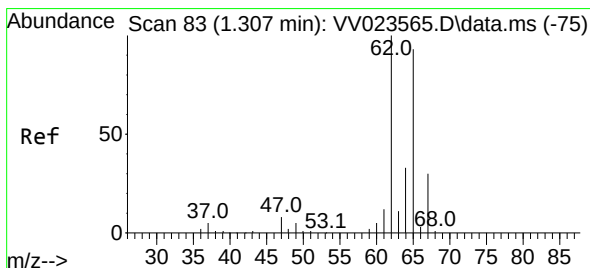
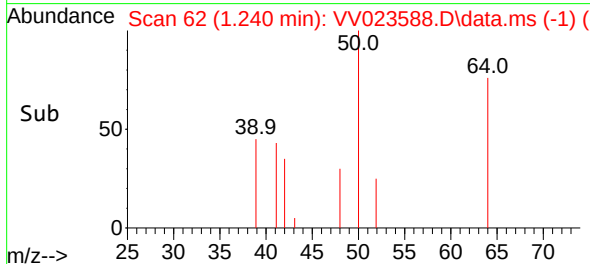
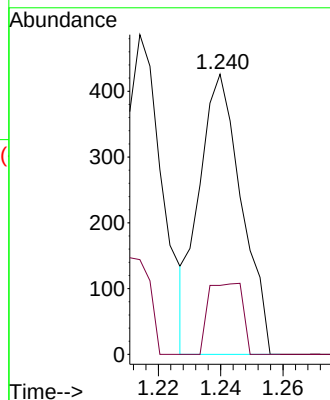
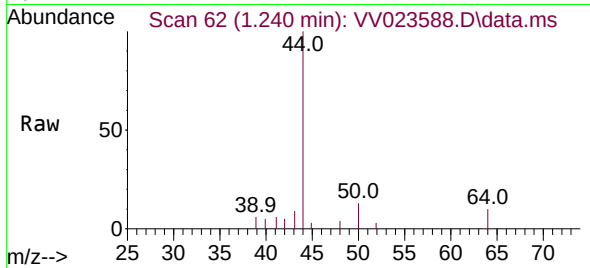




#3
Chloromethane
Concen: 0.067 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.000 min
Lab File: VV023588.D
Acq: 17 Nov 2021 22:34

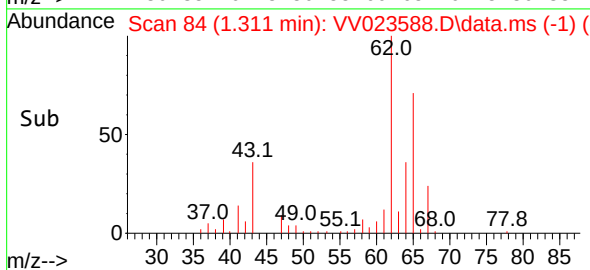
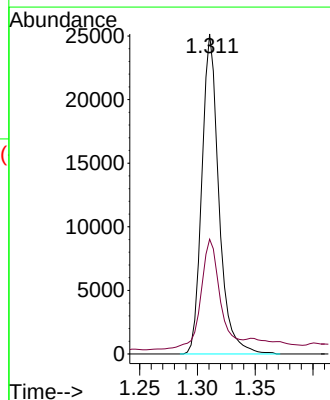
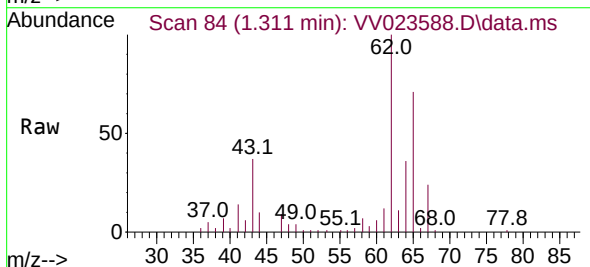
Instrument :
MSVOA_V
ClientSampleId :
H4647

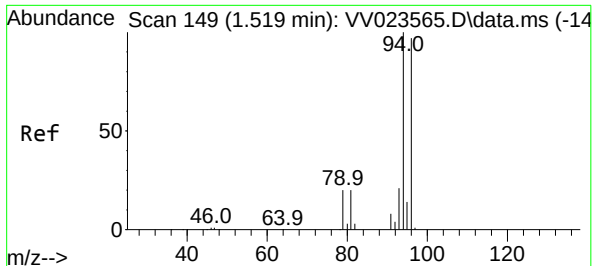
Tgt Ion: 50 Resp: 405
Ion Ratio Lower Upper
50 100
52 24.6 24.3 45.1



#5
Vinyl chloride
Concen: 4.264 ug/L
RT: 1.311 min Scan# 84
Delta R.T. 0.003 min
Lab File: VV023588.D
Acq: 17 Nov 2021 22:34

Tgt Ion: 62 Resp: 25836
Ion Ratio Lower Upper
62 100
64 35.9 23.1 42.9

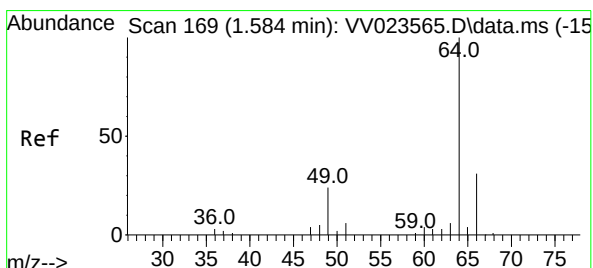
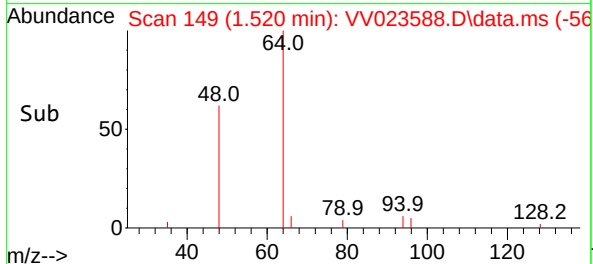
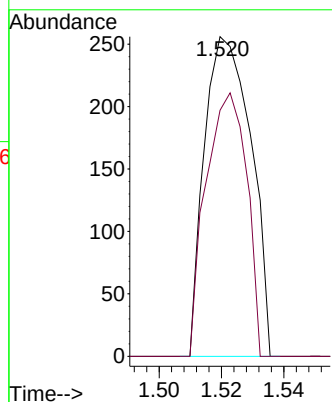
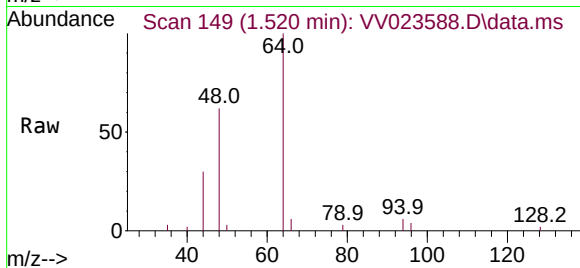




#6
Bromomethane
Concen: 0.068 ug/L
RT: 1.520 min Scan# 141
Delta R.T. 0.000 min
Lab File: VV023588.D
Acq: 17 Nov 2021 22:34

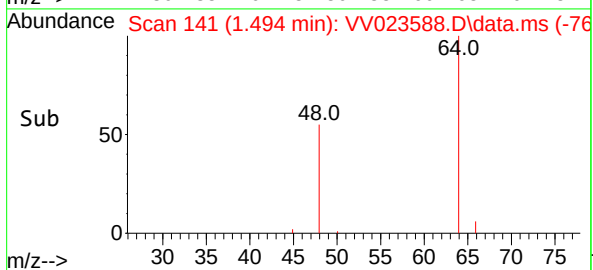
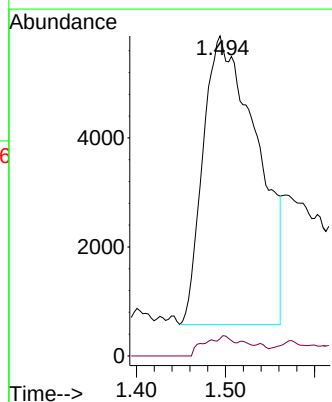
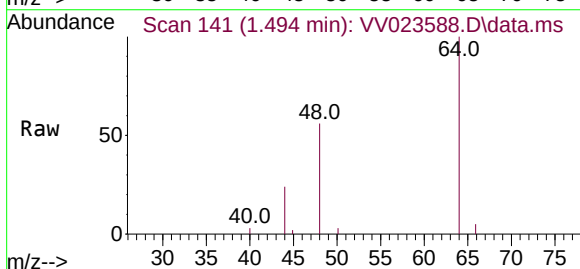
Instrument :
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ClientSampleId :
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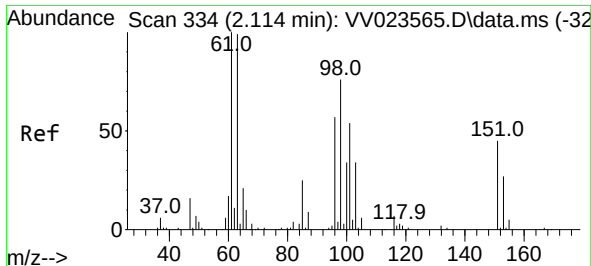
Tgt Ion: 94 Resp: 265
Ion Ratio Lower Upper
94 100
96 77.0 65.0 120.8



#8
Chloroethane
Concen: 6.368 ug/L
RT: 1.494 min Scan# 141
Delta R.T. -0.090 min
Lab File: VV023588.D
Acq: 17 Nov 2021 22:34

Tgt Ion: 64 Resp: 22266
Ion Ratio Lower Upper
64 100
66 5.4 22.1 41.1#

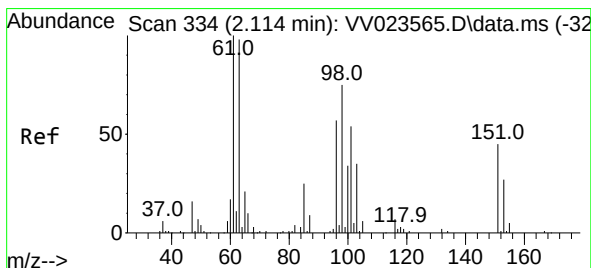
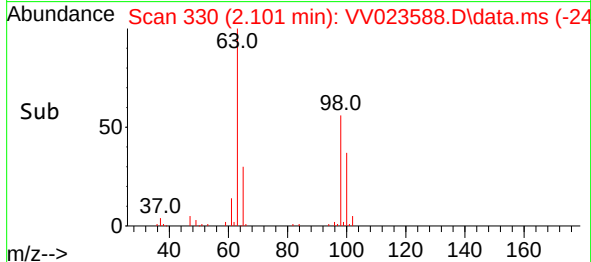
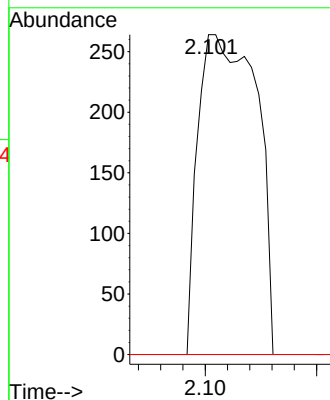
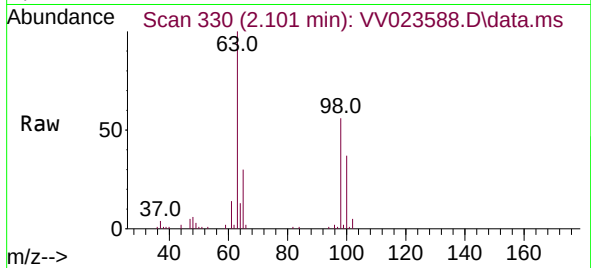




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.105 ug/L
RT: 2.101 min Scan# 311
Delta R.T. -0.013 min
Lab File: VV023588.D
Acq: 17 Nov 2021 22:34

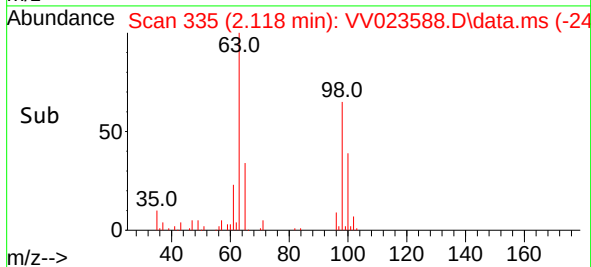
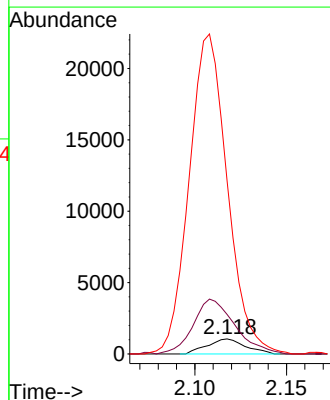
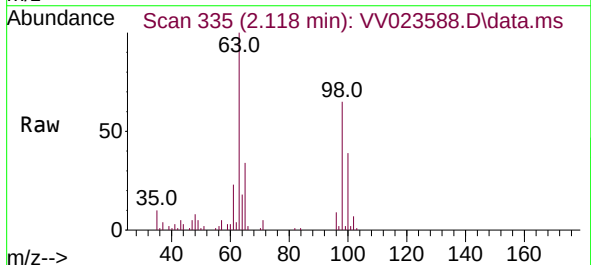
Instrument :
MSVOA_V
ClientSampleId :
H4647

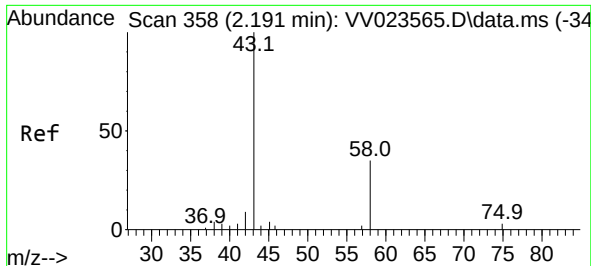
Tgt Ion:101 Resp: 481
Ion Ratio Lower Upper
101 100
85 0.0 35.3 52.9#
151 0.0 62.2 93.2#



#12
1,1-Dichloroethene
Concen: 0.350 ug/L
RT: 2.118 min Scan# 335
Delta R.T. 0.003 min
Lab File: VV023588.D
Acq: 17 Nov 2021 22:34

Tgt Ion: 96 Resp: 1529
Ion Ratio Lower Upper
96 100
61 262.2 121.5 225.7#
63 1146.5 99.6 185.0#





#13

Acetone

Concen: 2.083 ug/L

RT: 2.175 min Scan# 353

Delta R.T. -0.016 min

Lab File: VV023588.D

Acq: 17 Nov 2021 22:34

Instrument :

MSVOA_V

ClientSampleId :

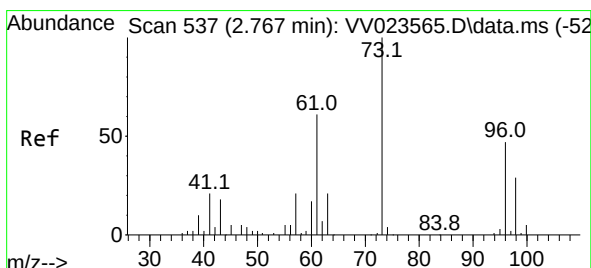
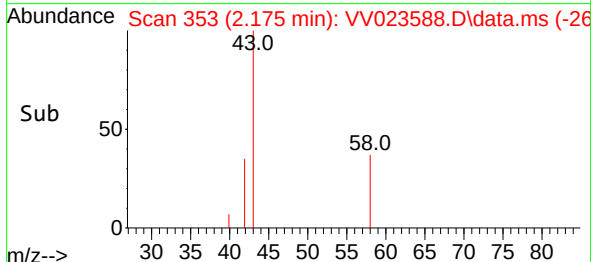
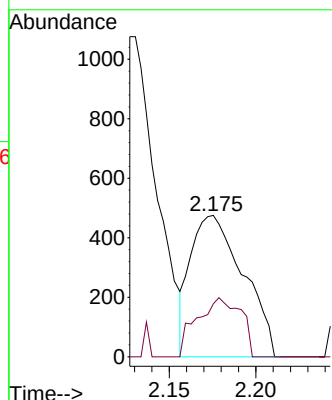
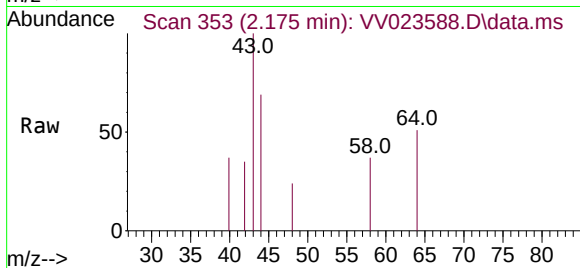
H4647

Tgt Ion: 43 Resp: 1005

Ion Ratio Lower Upper

43 100

58 34.7 0.0 55.4



#17

Methyl tert-butyl Ether

Concen: 18.035 ug/L

RT: 2.767 min Scan# 537

Delta R.T. 0.000 min

Lab File: VV023588.D

Acq: 17 Nov 2021 22:34

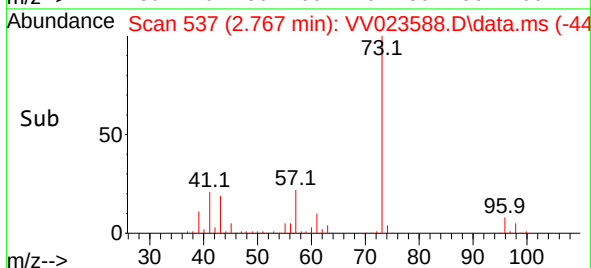
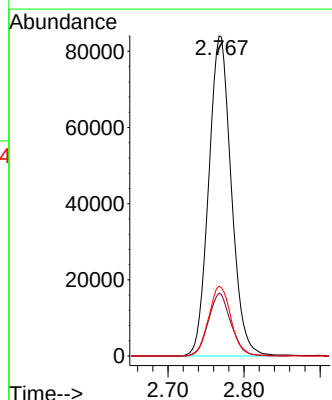
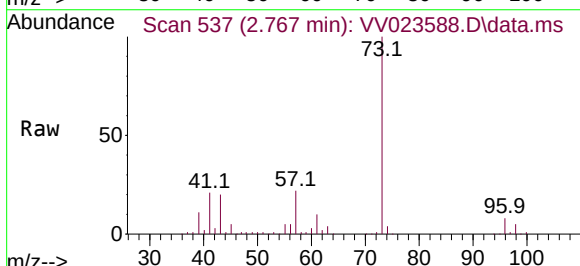
Tgt Ion: 73 Resp: 173232

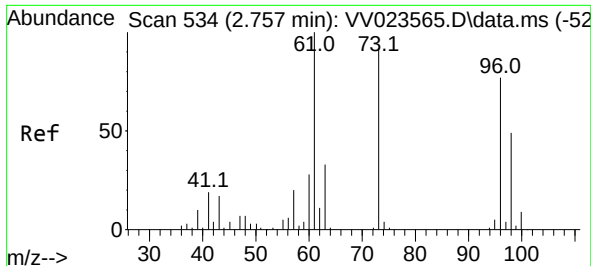
Ion Ratio Lower Upper

73 100

43 19.5 17.4 26.0

57 21.7 16.5 24.7

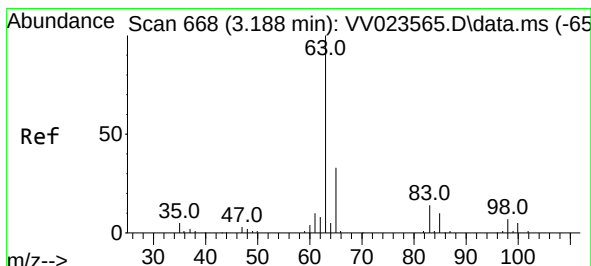
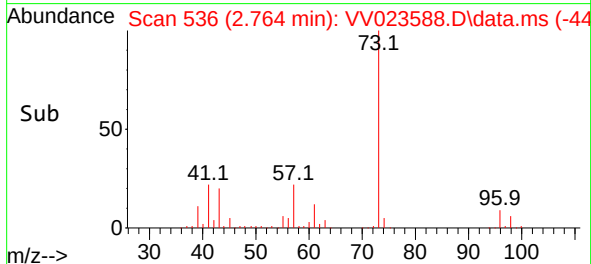
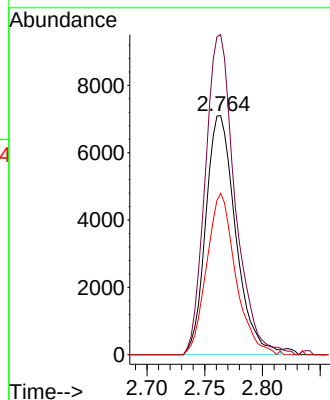
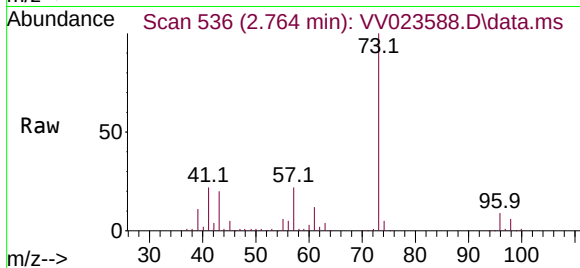




#18
trans-1,2-Dichloroethene
Concen: 2.384 ug/L
RT: 2.764 min Scan# 51
Delta R.T. 0.007 min
Lab File: VV023588.D
Acq: 17 Nov 2021 22:34

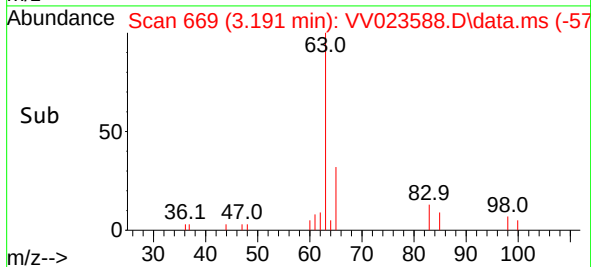
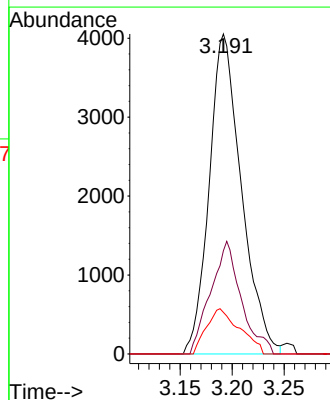
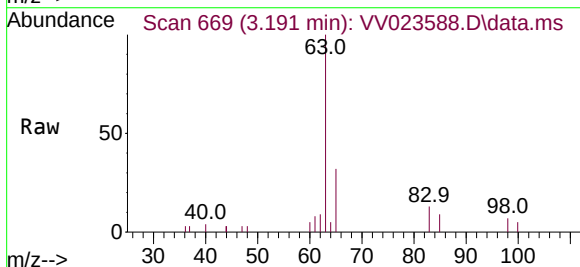
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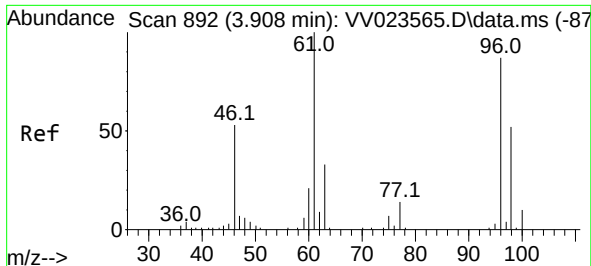
Tgt Ion: 96 Resp: 12789
Ion Ratio Lower Upper
96 100
61 133.9 93.2 173.2
98 67.5 47.0 87.2



#19
1,1-Dichloroethane
Concen: 0.964 ug/L
RT: 3.191 min Scan# 669
Delta R.T. 0.003 min
Lab File: VV023588.D
Acq: 17 Nov 2021 22:34

Tgt Ion: 63 Resp: 8733
Ion Ratio Lower Upper
63 100
65 32.3 22.6 42.0
83 13.0 11.1 20.7





#22

cis-1,2-Dichloroethene

Concen: 61.674 ug/L

RT: 3.912 min Scan# 89

Delta R.T. 0.003 min

Lab File: VV023588.D

Acq: 17 Nov 2021 22:34

Instrument :

MSVOA_V

ClientSampleId :

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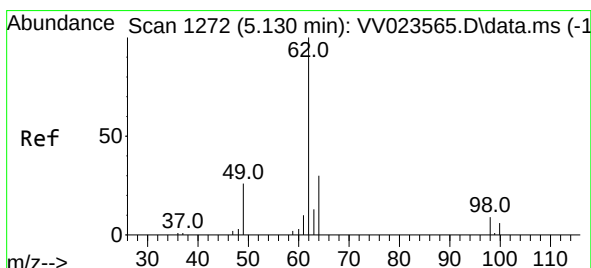
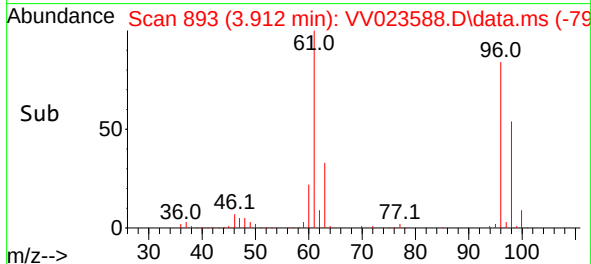
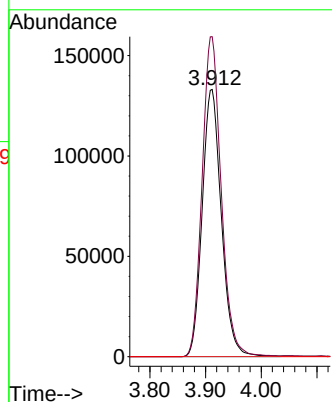
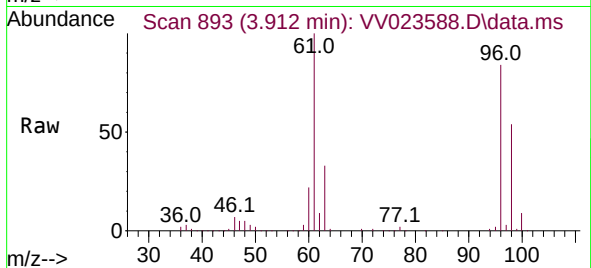
Tgt Ion: 96 Resp: 318380

Ion Ratio Lower Upper

96 100

61 119.8 92.3 171.3

68 0.0 0.4 0.8#



#27

1,2-Dichloroethane

Concen: 0.099 ug/L

RT: 5.066 min Scan# 1252

Delta R.T. -0.064 min

Lab File: VV023588.D

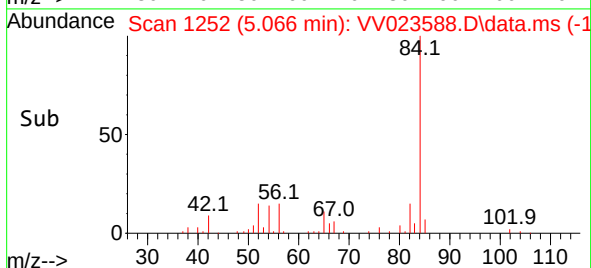
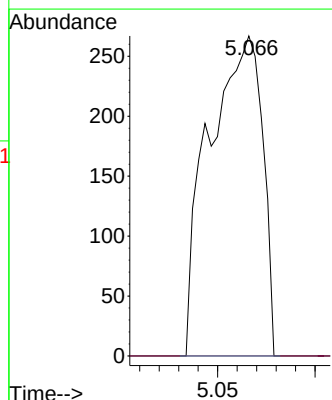
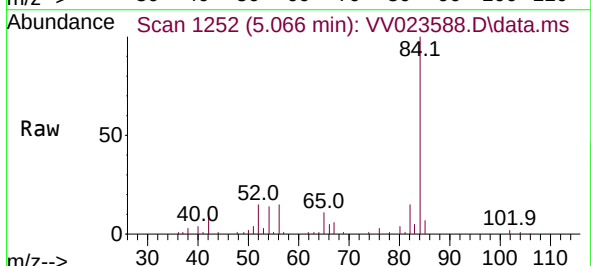
Acq: 17 Nov 2021 22:34

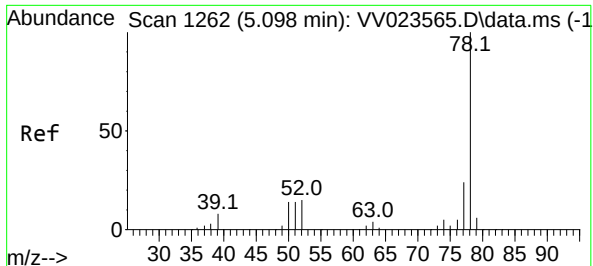
Tgt Ion: 62 Resp: 507

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#

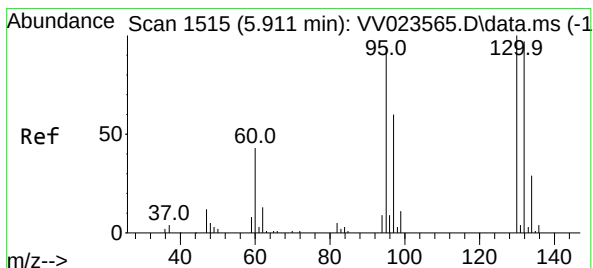
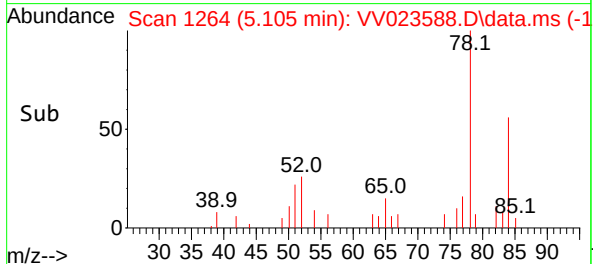
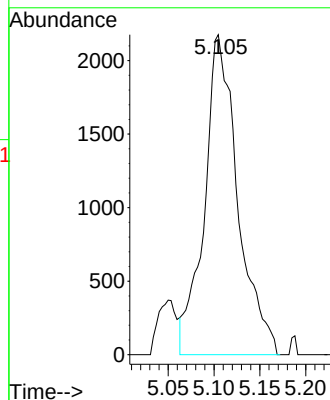
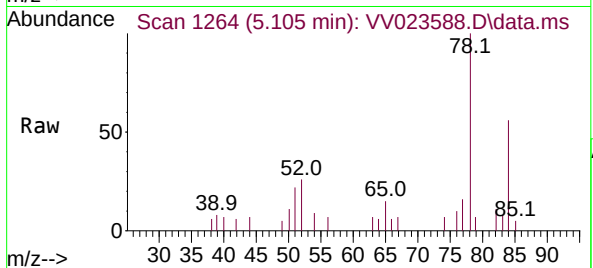




#33
Benzene
Concen: 0.268 ug/L
RT: 5.105 min Scan# 11
Delta R.T. 0.007 min
Lab File: VV023588.D
Acq: 17 Nov 2021 22:34

Instrument :
MSVOA_V
ClientSampleId :
H4647

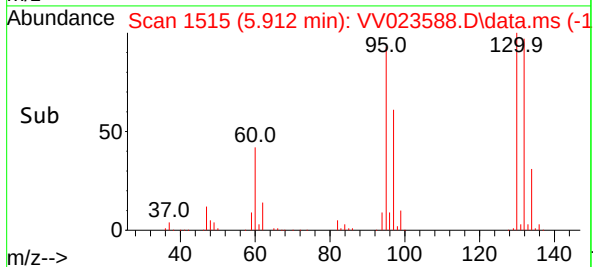
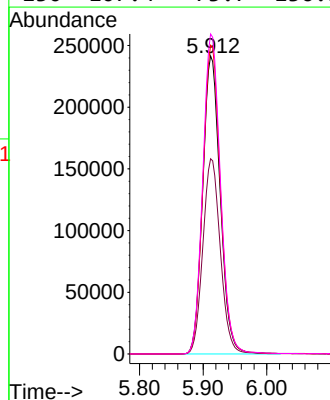
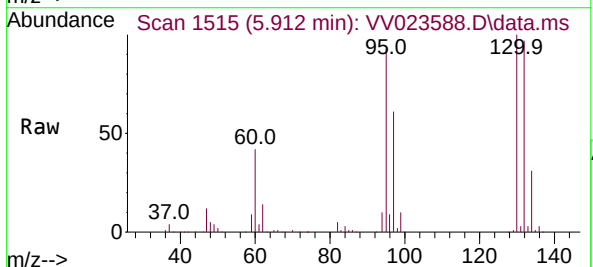
Tgt Ion: 78 Resp: 5513

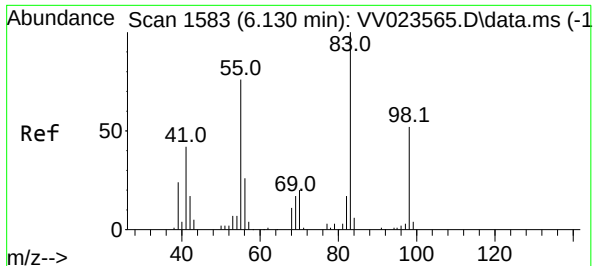


#34
Trichloroethene
Concen: 84.384 ug/L
RT: 5.912 min Scan# 1515
Delta R.T. 0.000 min
Lab File: VV023588.D
Acq: 17 Nov 2021 22:34

Tgt Ion: 95 Resp: 461664

Ion	Ratio	Lower	Upper
95	100		
97	65.5	45.0	83.6
132	103.6	69.7	129.4
130	107.4	73.7	136.9





#35

Methylcyclohexane

Concen: 0.713 ug/L

RT: 6.069 min Scan# 11

Delta R.T. -0.061 min

Lab File: VV023588.D

Acq: 17 Nov 2021 22:34

Instrument :

MSVOA_V

ClientSampleId :

H4647

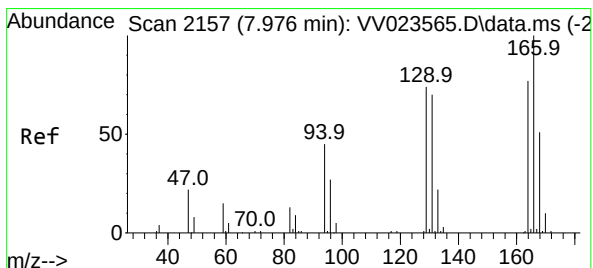
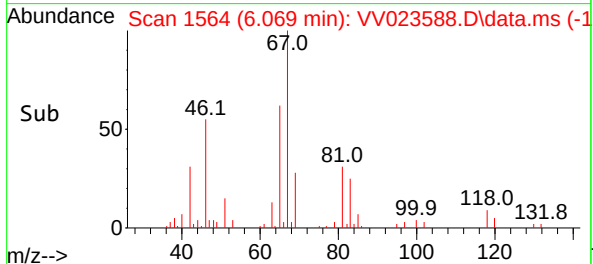
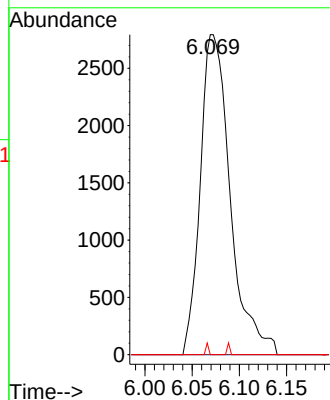
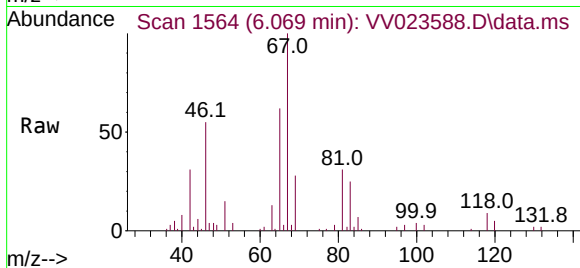
Tgt Ion: 83 Resp: 6160

Ion Ratio Lower Upper

83 100

55 0.0 62.8 94.2#

98 0.0 37.9 56.9#



#47

Tetrachloroethene

Concen: 2.859 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. 0.003 min

Lab File: VV023588.D

Acq: 17 Nov 2021 22:34

Tgt Ion:164 Resp: 13554

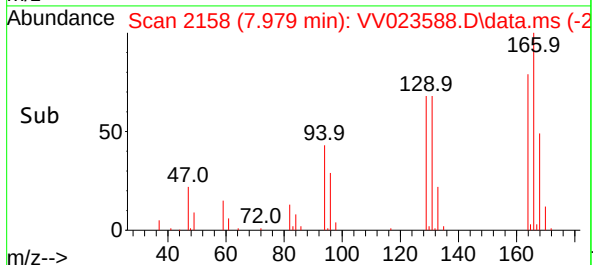
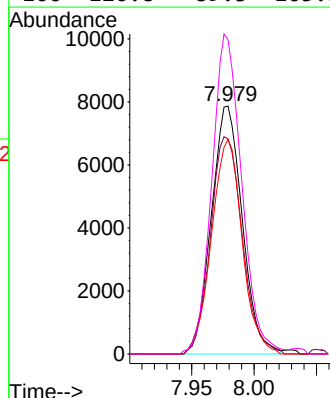
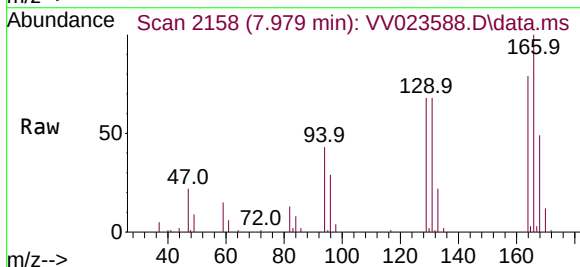
Ion Ratio Lower Upper

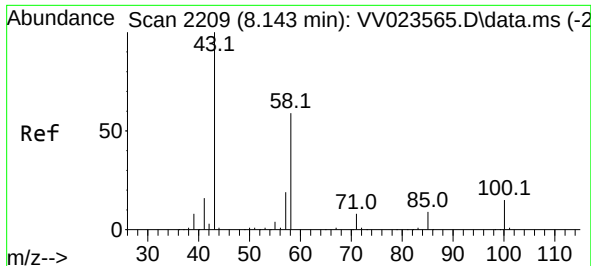
164 100

129 86.7 64.0 119.0

131 86.6 63.4 117.8

166 126.8 89.3 165.9

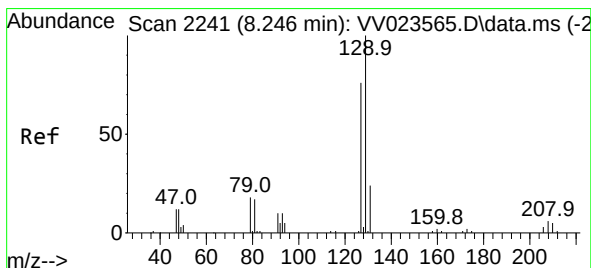
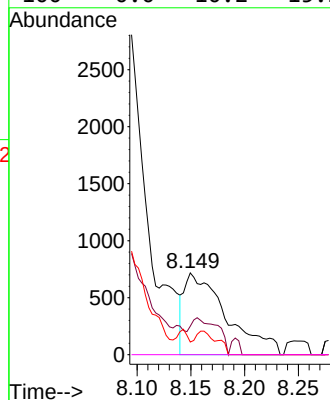
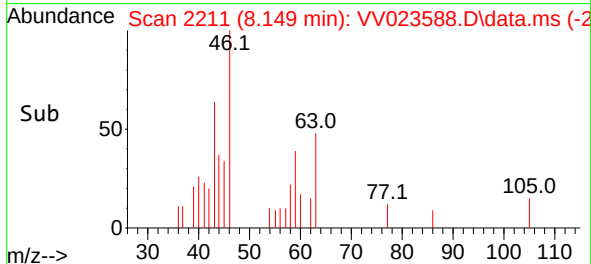
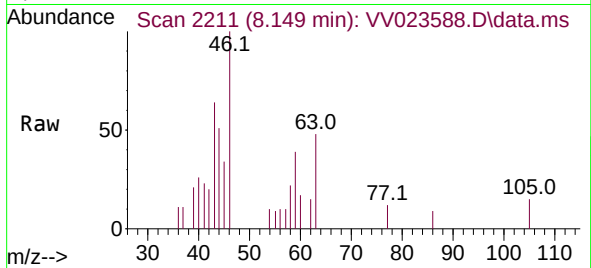




#48
2-Hexanone
Concen: 1.263 ug/L
RT: 8.149 min Scan# 2157
Delta R.T. 0.007 min
Lab File: VV023588.D
Acq: 17 Nov 2021 22:34

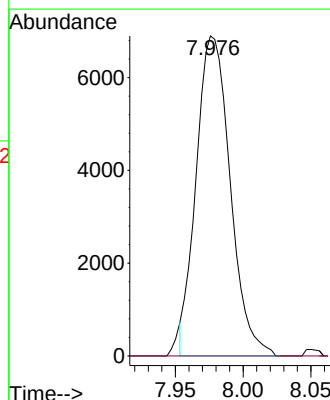
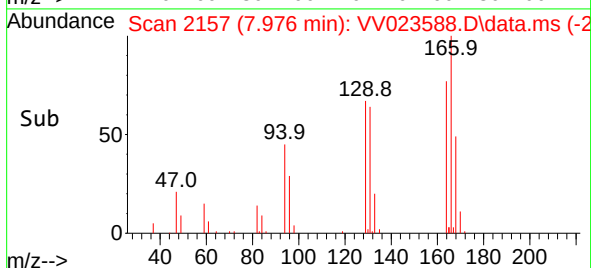
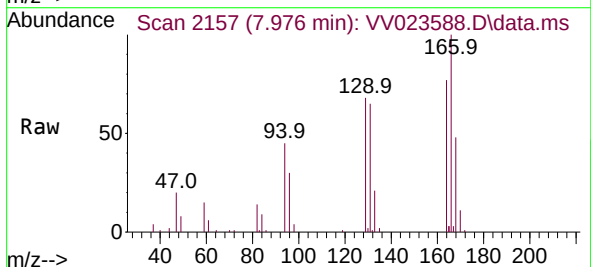
Instrument :
MSVOA_V
ClientSampleId :
H4647

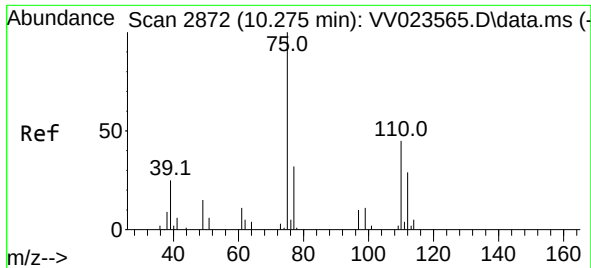
Tgt Ion: 43	Resp:	1971	
Ion	Ratio	Lower	Upper
43	100		
58	0.0	43.7	65.5#
57	8.4	14.1	21.1#
100	0.0	10.2	15.2#



#49
Dibromochloromethane
Concen: 2.751 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.270 min
Lab File: VV023588.D
Acq: 17 Nov 2021 22:34

Tgt Ion:129	Resp:	12030	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.7	101.7#





#61
 1,2,3-Trichloropropane
 Concen: 1.764 ug/L
 RT: 11.249 min Scan# 31
 Delta R.T. 0.974 min
 Lab File: VV023588.D
 Acq: 17 Nov 2021 22:34

Instrument :
 MSVOA_V
 ClientSampleId :
 H4647

Tgt Ion: 75 Resp: 3844
 Ion Ratio Lower Upper
 75 100
 77 32.4 26.6 39.8
 110 0.0 31.8 47.6#

