

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111122\
 Data File : VW028896.D
 Acq On : 11 Nov 2022 23:42
 Operator : SY/MD
 Sample : N5592-18
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H0AC3

Quant Time: Nov 12 02:59:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 11 22:27:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	300829	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	278689	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.242	152	133668	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	85777	4.677	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.600%
7) Chloroethane-d5	1.564	69	79706	4.944	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.800%
11) 1,1-Dichloroethene-d2	2.108	63	156635	4.687	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.800%
20) 2-Butanone-d5	3.883	46	182908	59.578	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.160%
24) Chloroform-d	4.342	84	189582	5.035	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.600%
26) 1,2-Dichloroethane-d4	5.027	65	88296	5.212	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.200%
32) Benzene-d6	5.047	84	404958	4.868	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.400%
36) 1,2-Dichloropropane-d6	6.066	67	119896	5.162	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.200%
41) Toluene-d8	7.313	98	361103	4.822	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.400%
43) trans-1,3-Dichloroprop...	7.622	79	35105	4.634	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.600%
46) 2-Hexanone-d5	8.088	63	163794	50.651	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.300%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	81189	5.041	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.800%
66) 1,2-Dichlorobenzene-d4	11.619	152	126280	5.280	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	1367	0.055	ug/L	99
5) Vinyl chloride	1.307	62	1092	0.046	ug/L #	1
8) Chloroethane	1.442	64	38146	2.734	ug/L #	53
9) Trichlorofluoromethane	1.751	101	1543	0.048	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.104	101	1621	0.089	ug/L #	19
12) 1,1-Dichloroethene	2.117	96	72913	4.004	ug/L	94
17) Methyl tert-butyl Ether	2.773	73	1902	0.049	ug/L #	70
18) trans-1,2-Dichloroethene	2.767	96	1024	0.048	ug/L	93
19) 1,1-Dichloroethane	3.188	63	6696	0.194	ug/L	93
22) cis-1,2-Dichloroethene	3.908	96	26712	1.244	ug/L	96
25) Chloroform	4.371	83	16395	0.453	ug/L	94
29) 1,1,1-Trichloroethane	4.606	97	3201	0.098	ug/L	96
34) Trichloroethene	5.908	95	370733	17.004	ug/L	98
35) Methylcyclohexane	6.066	83	29436	0.768	ug/L #	22
37) 1,2-Dichloropropane	6.066	63	12775	0.650	ug/L #	85
45) 1,1,2-Trichloroethane	7.966	97	7340	0.571	ug/L #	1
47) Tetrachloroethene	7.969	164	925815	53.032	ug/L	99
49) Dibromochloromethane	7.969	129	834217	53.672	ug/L #	10
61) 1,2,3-Trichloropropane	11.242	75	14651	1.604	ug/L #	64

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Nov 11 22:27:09 2022
Response via : Initial Calibration

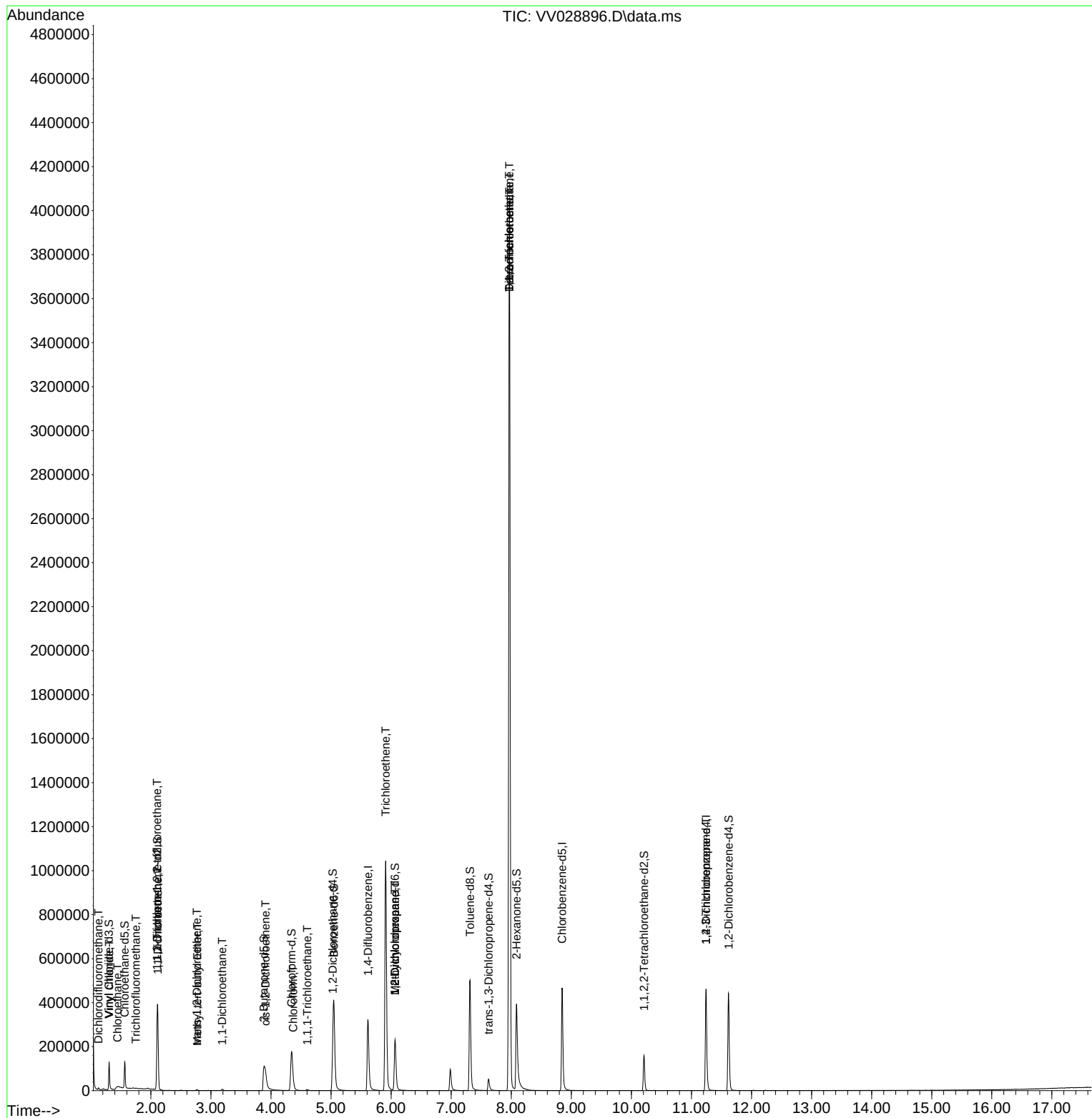
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

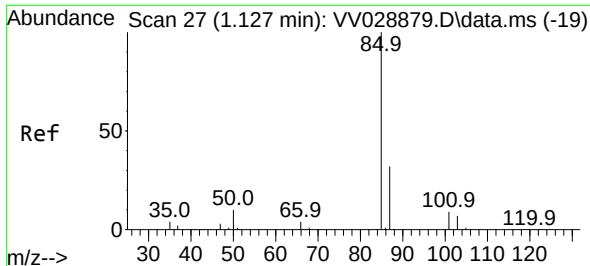
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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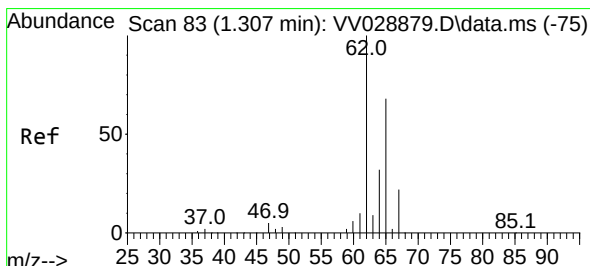
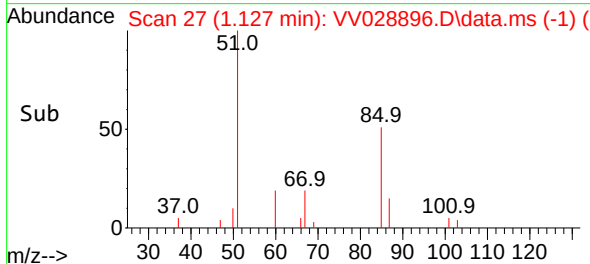
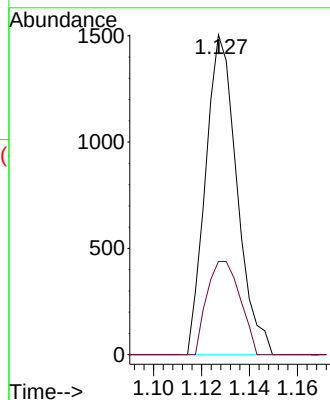
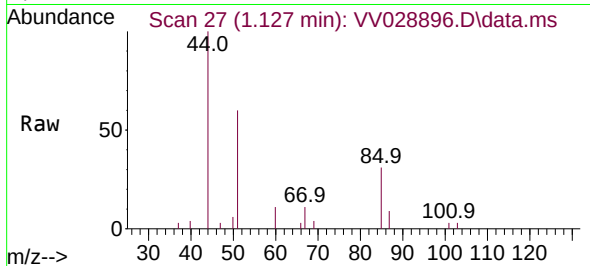




#2
 Dichlorodifluoromethane
 Concen: 0.055 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV028896.D
 Acq: 11 Nov 2022 23:42

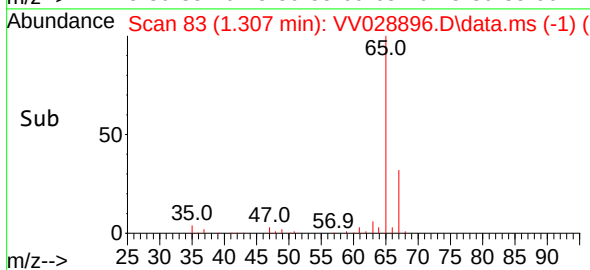
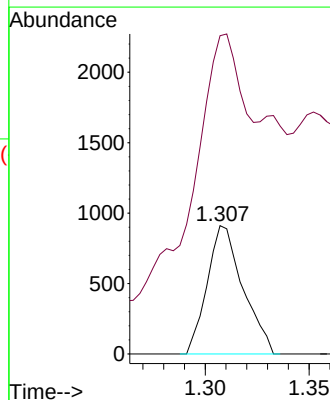
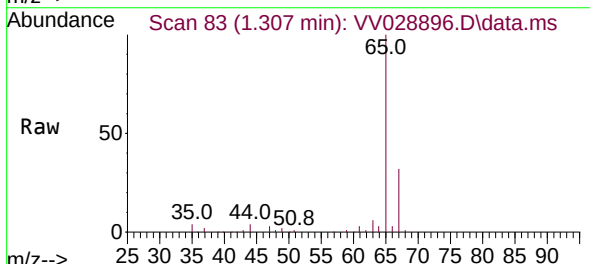
Instrument :
 MSVOA_V
 ClientSampleId :
 H0AC3

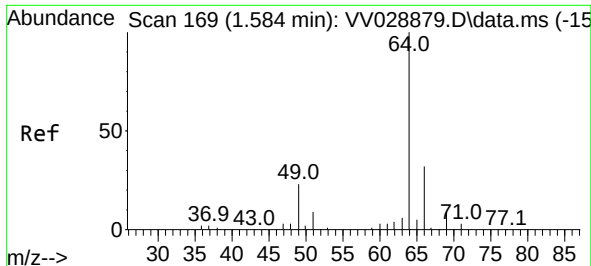
Tgt Ion: 85 Resp: 1367
 Ion Ratio Lower Upper
 85 100
 87 30.8 25.0 37.4



#5
 Vinyl chloride
 Concen: 0.046 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VV028896.D
 Acq: 11 Nov 2022 23:42

Tgt Ion: 62 Resp: 1092
 Ion Ratio Lower Upper
 62 100
 64 248.1 22.8 42.4#

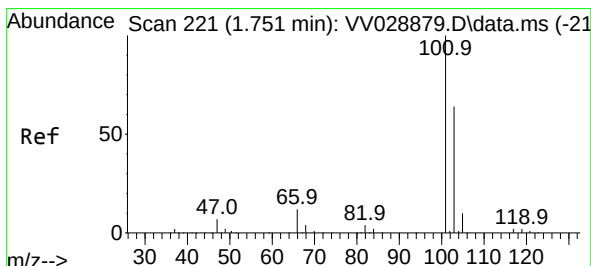
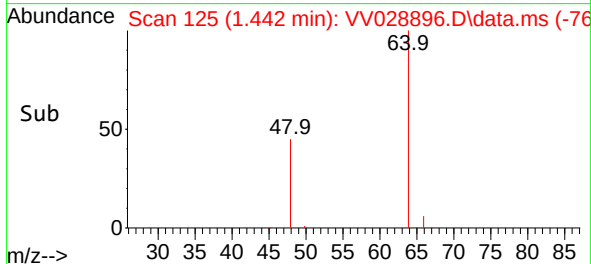
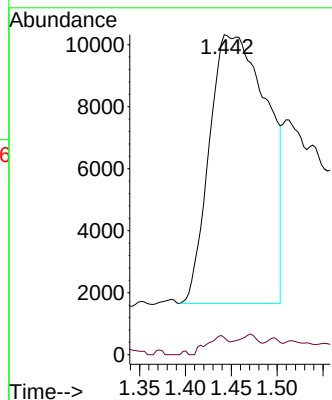
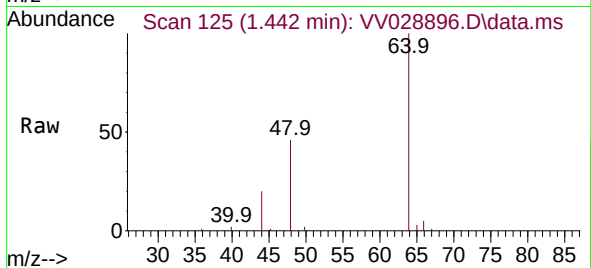




#8
Chloroethane
Concen: 2.734 ug/L
RT: 1.442 min Scan# 11
Delta R.T. -0.142 min
Lab File: VV028896.D
Acq: 11 Nov 2022 23:42

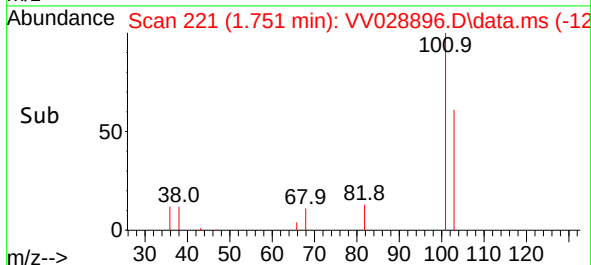
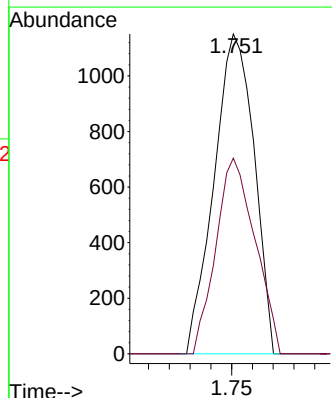
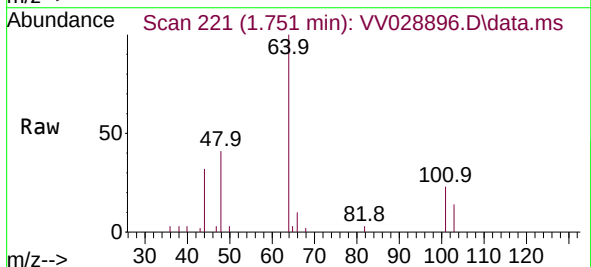
Instrument :
MSVOA_V
ClientSampleId :
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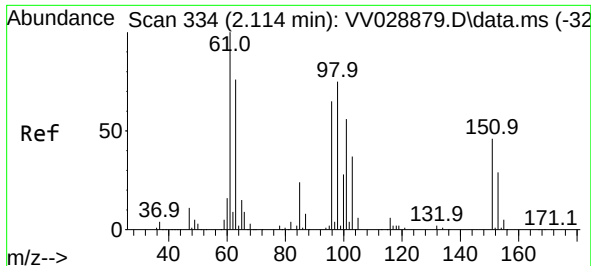
Tgt Ion: 64 Resp: 38146
Ion Ratio Lower Upper
64 100
66 5.4 22.0 40.8#



#9
Trichlorofluoromethane
Concen: 0.048 ug/L
RT: 1.751 min Scan# 221
Delta R.T. -0.000 min
Lab File: VV028896.D
Acq: 11 Nov 2022 23:42

Tgt Ion:101 Resp: 1543
Ion Ratio Lower Upper
101 100
103 59.9 51.3 76.9





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.089 ug/L

RT: 2.104 min Scan# 31

Delta R.T. -0.010 min

Lab File: VV028896.D

Acq: 11 Nov 2022 23:42

Instrument :

MSVOA_V

ClientSampleId :

H0AC3

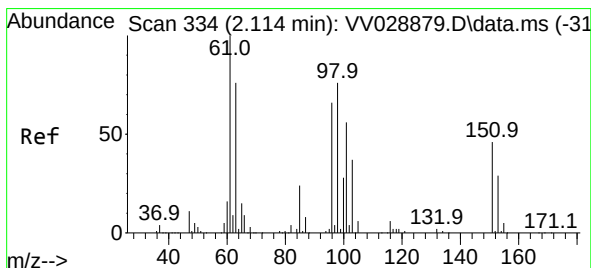
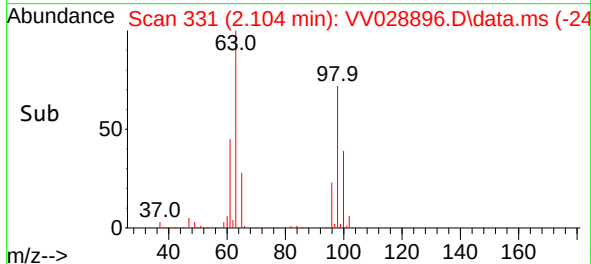
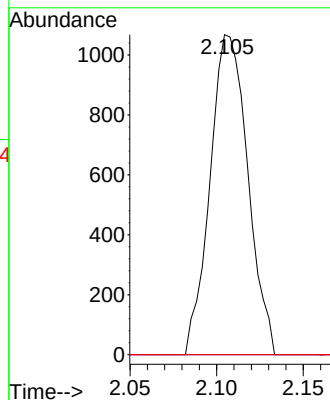
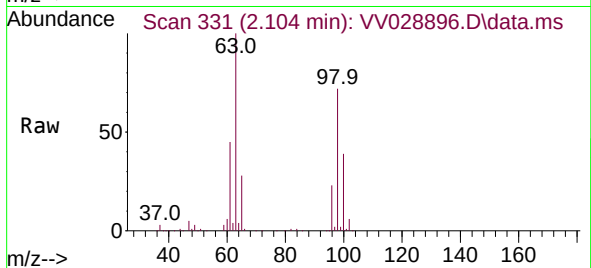
Tgt Ion:101 Resp: 1621

Ion Ratio Lower Upper

101 100

85 0.0 32.9 49.3#

151 0.0 62.5 93.7#



#12

1,1-Dichloroethene

Concen: 4.004 ug/L

RT: 2.117 min Scan# 335

Delta R.T. 0.003 min

Lab File: VV028896.D

Acq: 11 Nov 2022 23:42

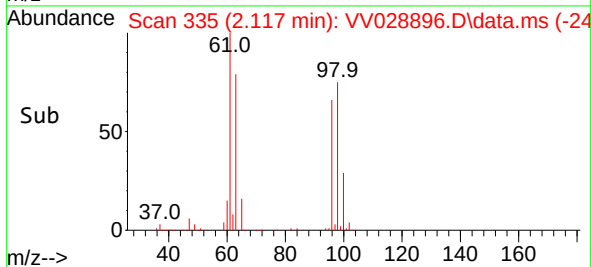
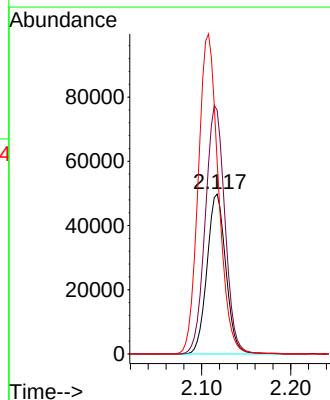
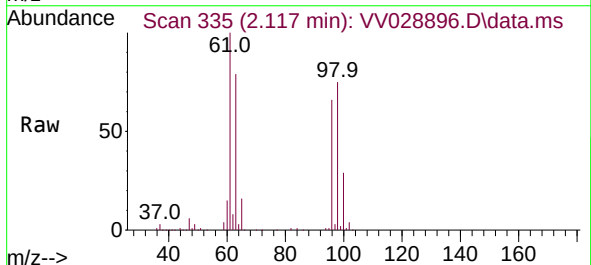
Tgt Ion: 96 Resp: 72913

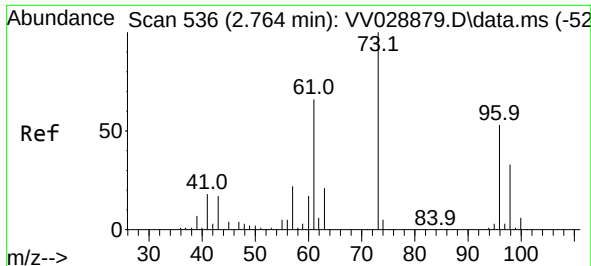
Ion Ratio Lower Upper

96 100

61 152.4 104.2 193.4

63 120.3 75.9 140.9





#17

Methyl tert-butyl Ether

Concen: 0.049 ug/L

RT: 2.773 min Scan# 51

Delta R.T. 0.009 min

Lab File: VV028896.D

Acq: 11 Nov 2022 23:42

Instrument :

MSVOA_V

ClientSampleId :

H0AC3

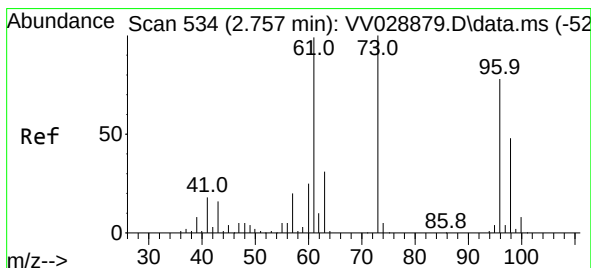
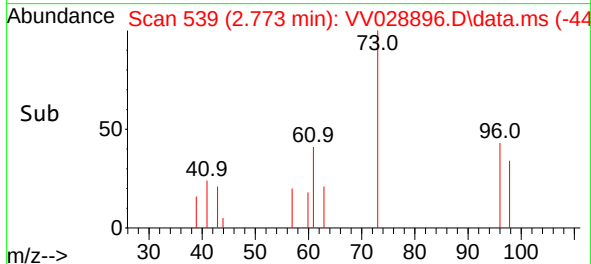
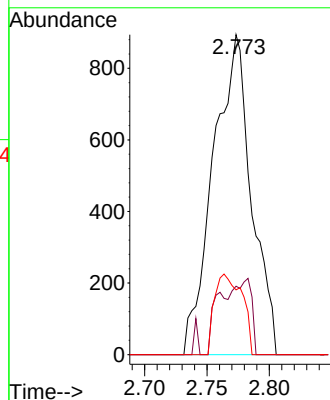
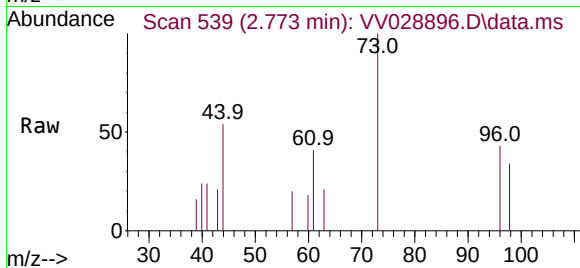
Tgt Ion: 73 Resp: 1902

Ion Ratio Lower Upper

73 100

43 11.5 13.0 19.4#

57 0.0 16.6 24.8#



#18

trans-1,2-Dichloroethene

Concen: 0.048 ug/L

RT: 2.767 min Scan# 537

Delta R.T. 0.009 min

Lab File: VV028896.D

Acq: 11 Nov 2022 23:42

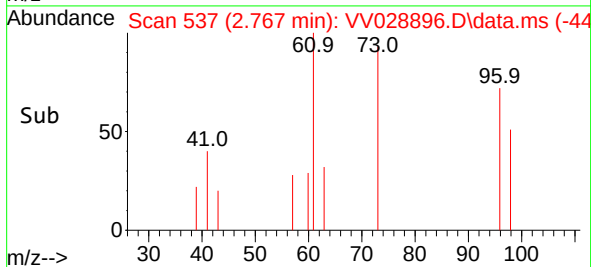
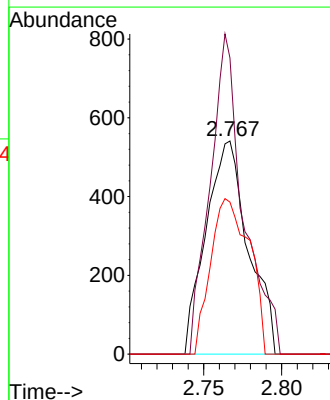
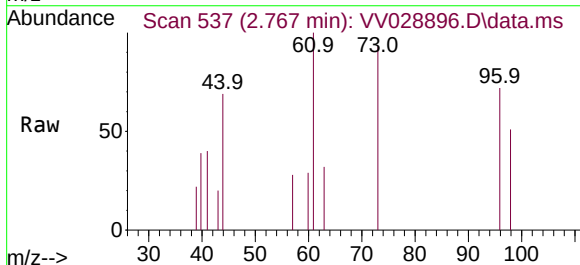
Tgt Ion: 96 Resp: 1024

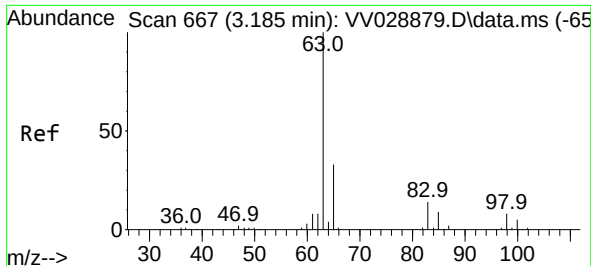
Ion Ratio Lower Upper

96 100

61 139.0 91.8 170.6

98 71.3 46.4 86.2





#19

1,1-Dichloroethane

Concen: 0.194 ug/L

RT: 3.188 min Scan# 667

Delta R.T. 0.003 min

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Acq: 11 Nov 2022 23:42

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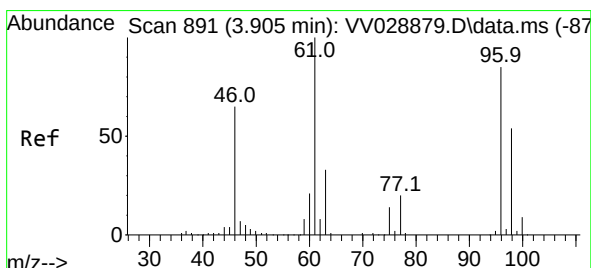
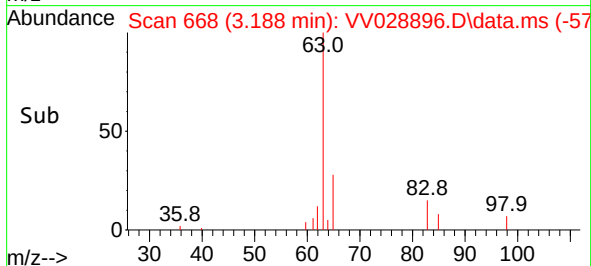
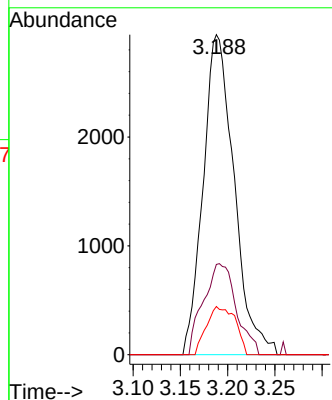
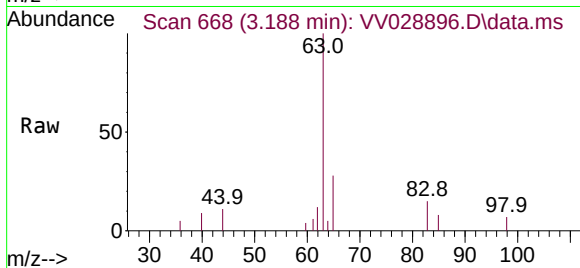
Tgt Ion: 63 Resp: 6696

Ion Ratio Lower Upper

63 100

65 28.2 23.0 42.6

83 15.0 9.4 17.6



#22

cis-1,2-Dichloroethene

Concen: 1.244 ug/L

RT: 3.908 min Scan# 892

Delta R.T. 0.003 min

Lab File: VV028896.D

Acq: 11 Nov 2022 23:42

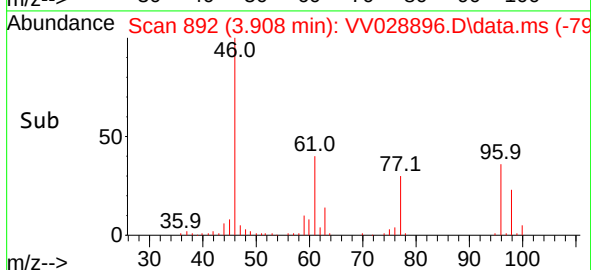
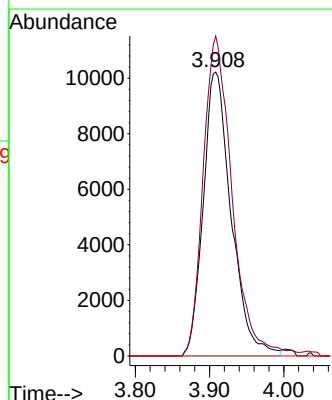
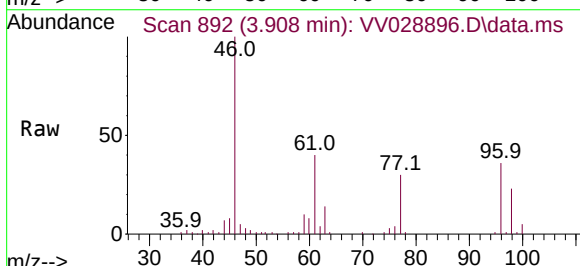
Tgt Ion: 96 Resp: 26712

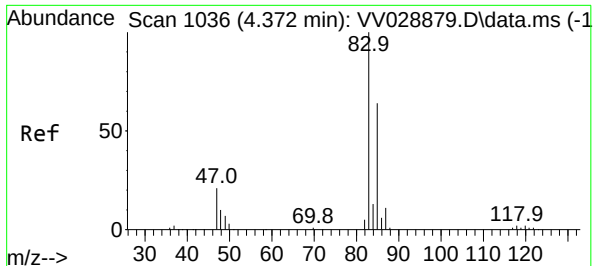
Ion Ratio Lower Upper

96 100

61 112.8 82.3 152.9

68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.453 ug/L

RT: 4.371 min Scan# 1109

Delta R.T. -0.000 min

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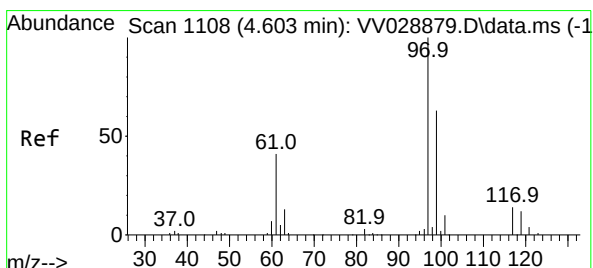
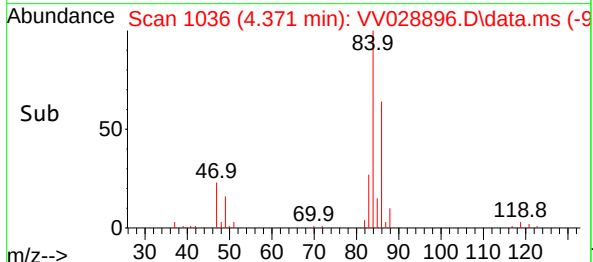
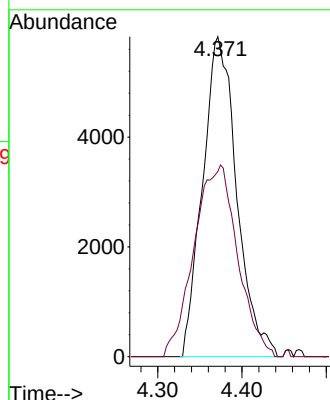
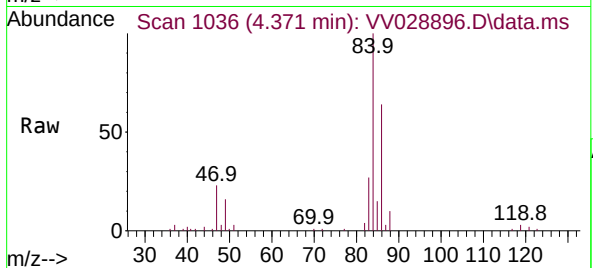
H0AC3

Tgt Ion: 83 Resp: 16395

Ion Ratio Lower Upper

83 100

85 57.9 43.7 81.1



#29

1,1,1-Trichloroethane

Concen: 0.098 ug/L

RT: 4.606 min Scan# 1109

Delta R.T. 0.003 min

Lab File: VV028896.D

Acq: 11 Nov 2022 23:42

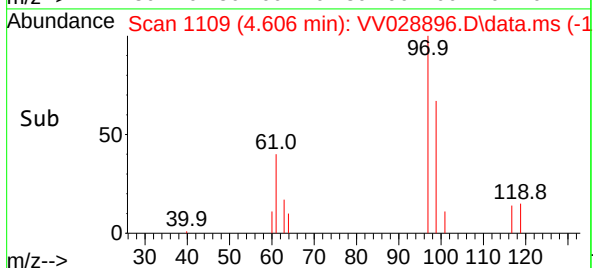
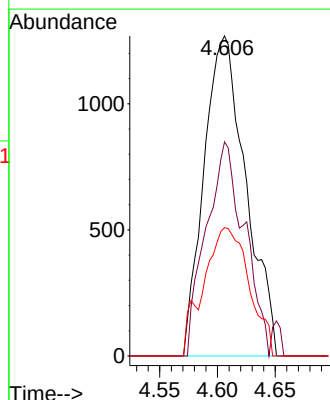
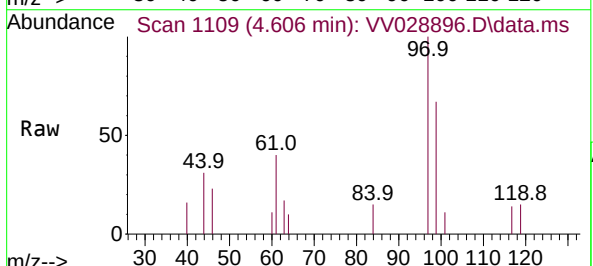
Tgt Ion: 97 Resp: 3201

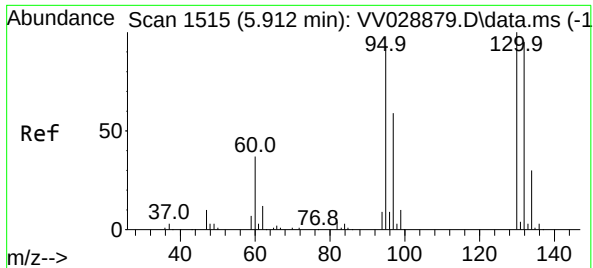
Ion Ratio Lower Upper

97 100

99 61.3 52.7 79.1

61 43.6 33.8 50.6

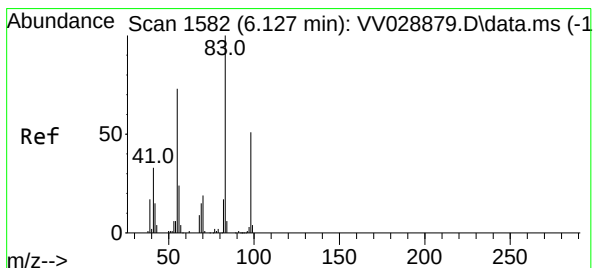
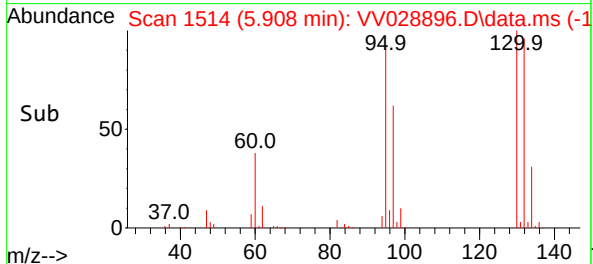
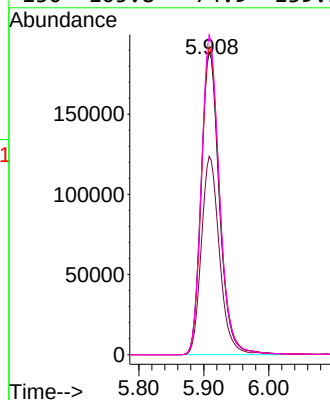
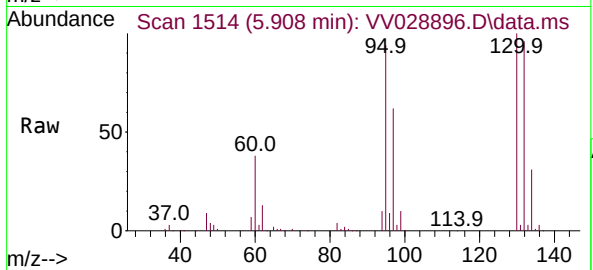




#34
Trichloroethene
Concen: 17.004 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. -0.003 min
Lab File: VV028896.D
Acq: 11 Nov 2022 23:42

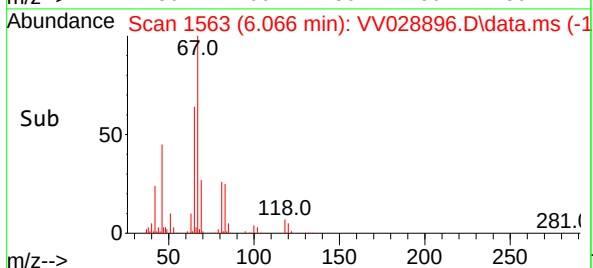
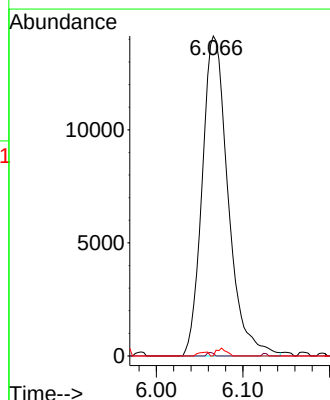
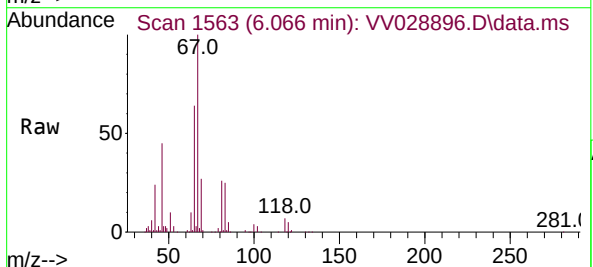
Instrument :
MSVOA_V
ClientSampleId :
H0AC3

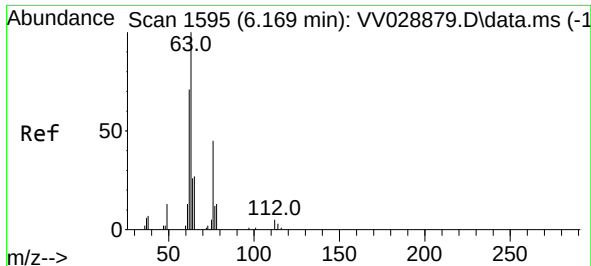
Tgt Ion: 95 Resp: 370733
Ion Ratio Lower Upper
95 100
97 65.5 45.6 84.8
132 101.9 69.1 128.3
130 105.8 74.9 139.1



#35
Methylcyclohexane
Concen: 0.768 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.061 min
Lab File: VV028896.D
Acq: 11 Nov 2022 23:42

Tgt Ion: 83 Resp: 29436
Ion Ratio Lower Upper
83 100
55 0.3 55.8 83.6#
98 1.5 38.2 57.2#





#37

1,2-Dichloropropane

Concen: 0.650 ug/L

RT: 6.066 min Scan# 11

Delta R.T. -0.103 min

Lab File: VV028896.D

Acq: 11 Nov 2022 23:42

Instrument :

MSVOA_V

ClientSampleId :

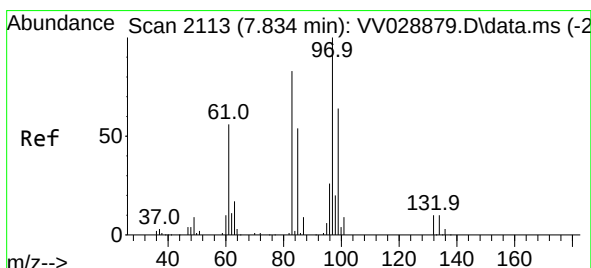
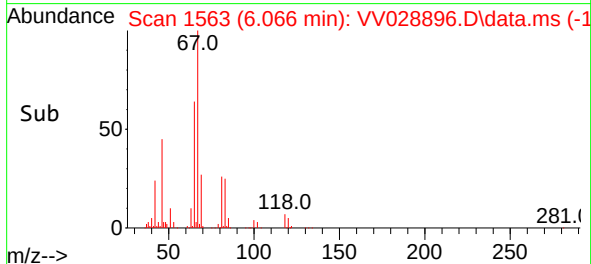
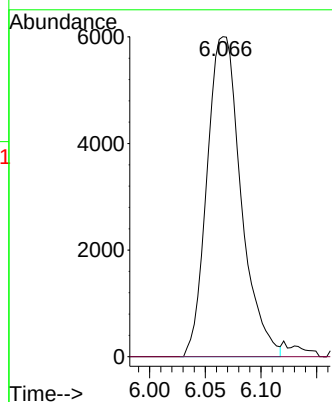
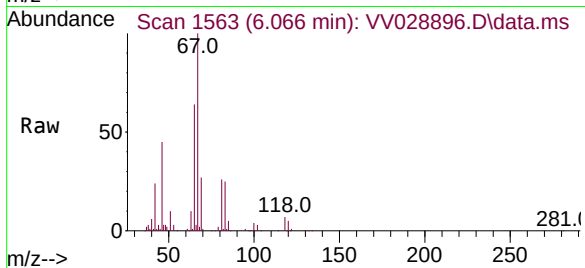
H0AC3

Tgt Ion: 63 Resp: 12775

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#



#45

1,1,2-Trichloroethane

Concen: 0.571 ug/L

RT: 7.966 min Scan# 2154

Delta R.T. 0.132 min

Lab File: VV028896.D

Acq: 11 Nov 2022 23:42

Tgt Ion: 97 Resp: 7340

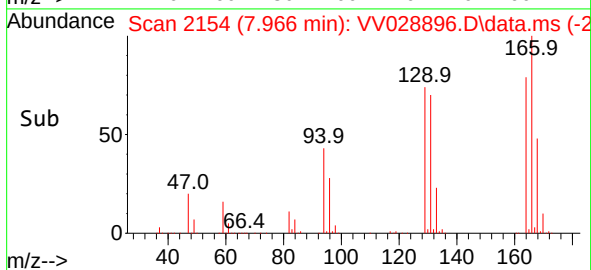
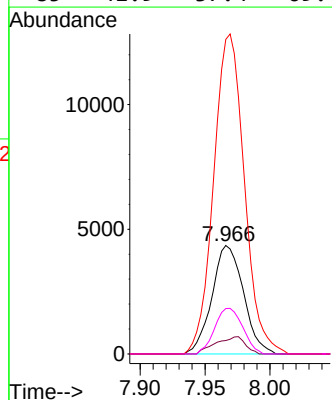
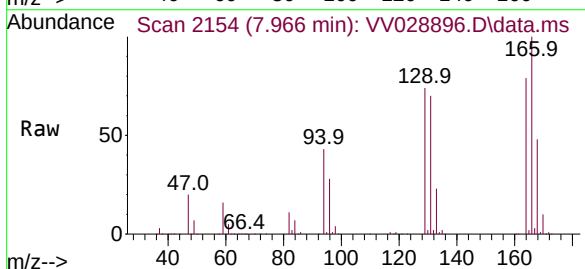
Ion Ratio Lower Upper

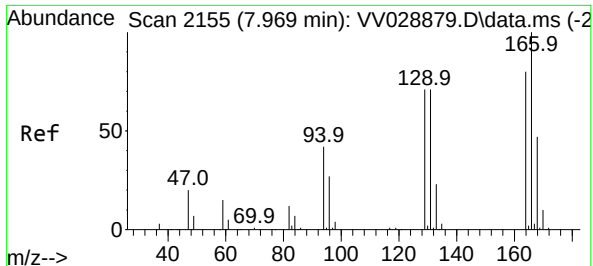
97 100

99 12.3 41.5 77.1#

83 290.0 60.0 111.4#

85 41.9 37.4 69.4





#47

Tetrachloroethene

Concen: 53.032 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. -0.000 min

Lab File: VV028896.D

Acq: 11 Nov 2022 23:42

Instrument :

MSVOA_V

ClientSampleId :

H0AC3

Tgt Ion:164 Resp: 925815

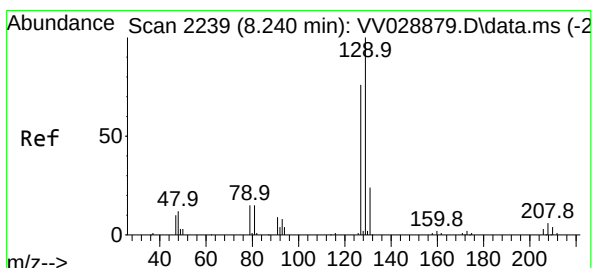
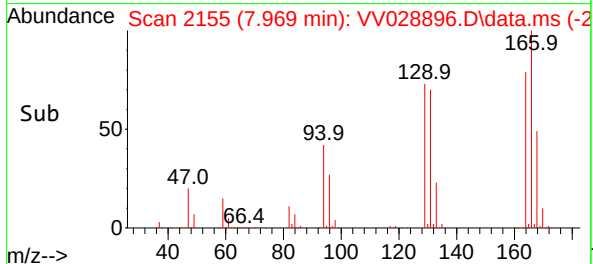
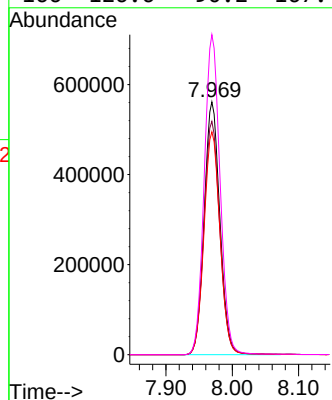
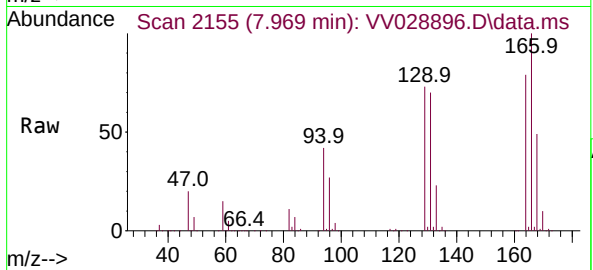
Ion Ratio Lower Upper

164 100

129 92.3 63.9 118.7

131 88.2 61.8 114.8

166 126.6 90.2 167.4



#49

Dibromochloromethane

Concen: 53.672 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. -0.270 min

Lab File: VV028896.D

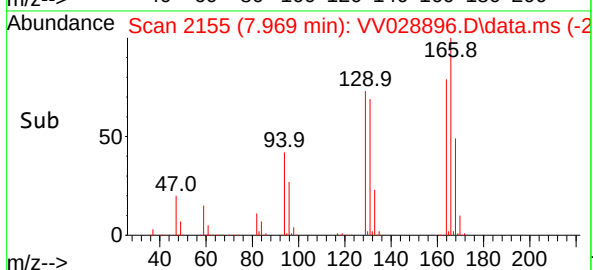
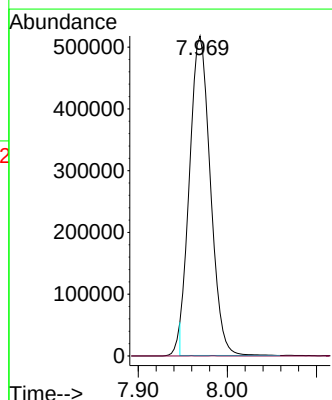
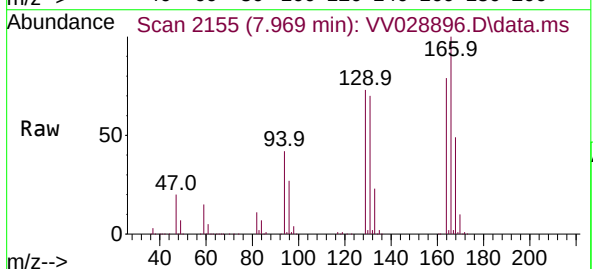
Acq: 11 Nov 2022 23:42

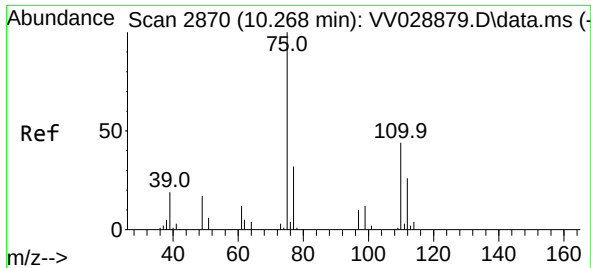
Tgt Ion:129 Resp: 834217

Ion Ratio Lower Upper

129 100

127 0.0 54.5 101.1#





#61
 1,2,3-Trichloropropane
 Concen: 1.604 ug/L
 RT: 11.242 min Scan# 31
 Delta R.T. 0.974 min
 Lab File: VV028896.D
 Acq: 11 Nov 2022 23:42

Instrument :
 MSVOA_V
 ClientSampleId :
 H0AC3

Tgt Ion: 75 Resp: 14651
 Ion Ratio Lower Upper
 75 100
 77 29.9 26.2 39.2
 110 2.2 32.6 48.8#

