

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111522\
 Data File : VW029002.D
 Acq On : 15 Nov 2022 20:34
 Operator : SY/MD
 Sample : N5593-12
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H0AE2

Quant Time: Nov 16 03:22:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 16 03:16:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	281733	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	259202	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.242	152	120178	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	49486	2.881	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	57.600%
7) Chloroethane-d5	1.568	69	53816	3.564	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	71.200%
11) 1,1-Dichloroethene-d2	2.108	63	102259	3.267	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.400%
20) 2-Butanone-d5	3.889	46	181748	63.213	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	126.420%
24) Chloroform-d	4.346	84	158947	4.507	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.200%
26) 1,2-Dichloroethane-d4	5.031	65	75049	4.730	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.600%
32) Benzene-d6	5.050	84	307747	3.978	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.600%
36) 1,2-Dichloropropane-d6	6.066	67	96217	4.454	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.000%
41) Toluene-d8	7.313	98	263255	3.780	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.600%
43) trans-1,3-Dichloroprop...	7.622	79	26537	3.766	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.400%
46) 2-Hexanone-d5	8.088	63	153316	50.975	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.960%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	75209	5.021	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.400%
66) 1,2-Dichlorobenzene-d4	11.619	152	99916	4.647	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	741	0.038	ug/L	96
6) Bromomethane	1.526	94	1100	0.083	ug/L	86
8) Chloroethane	1.310	64	3853	0.295	ug/L	85
9) Trichlorofluoromethane	1.751	101	2615	0.087	ug/L	98
12) 1,1-Dichloroethene	2.117	96	57854	3.392	ug/L	91
17) Methyl tert-butyl Ether	2.770	73	1918	0.052	ug/L #	88
18) trans-1,2-Dichloroethene	2.764	96	675	0.034	ug/L	96
19) 1,1-Dichloroethane	3.188	63	7292	0.226	ug/L	94
22) cis-1,2-Dichloroethene	3.908	96	28409	1.413	ug/L	99
25) Chloroform	4.368	83	12932	0.381	ug/L	97
29) 1,1,1-Trichloroethane	4.609	97	2723	0.090	ug/L	90
34) Trichloroethene	5.912	95	364375	17.969	ug/L	97
35) Methylcyclohexane	6.069	83	24503	0.688	ug/L #	21
37) 1,2-Dichloropropane	6.069	63	10157	0.556	ug/L #	85
47) Tetrachloroethene	7.969	164	829062	51.060	ug/L	99
49) Dibromochloromethane	7.969	129	734396	50.802	ug/L #	10
61) 1,2,3-Trichloropropane	11.242	75	13259	1.614	ug/L #	65

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Nov 16 03:16:14 2022
Response via : Initial Calibration

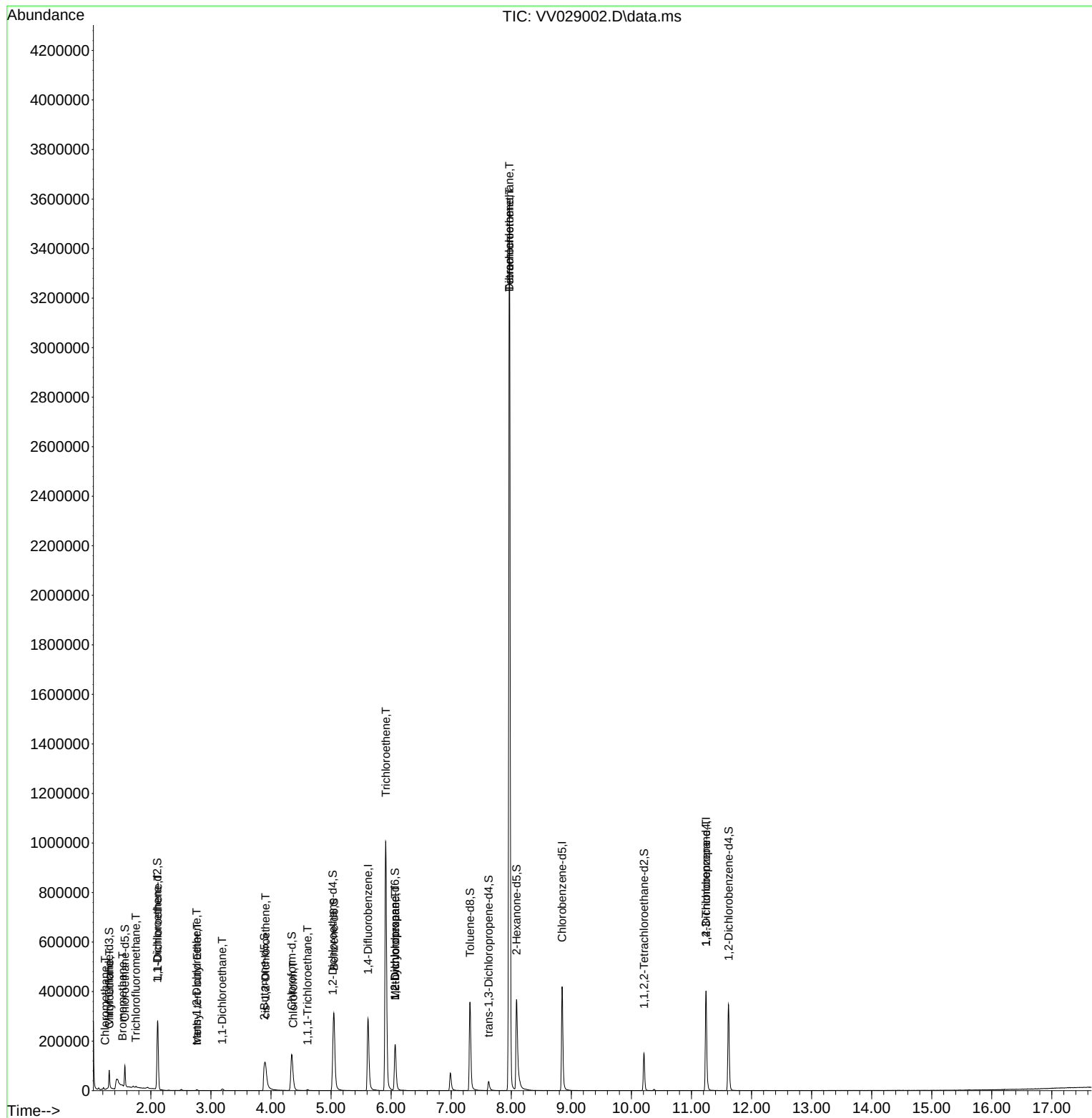
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

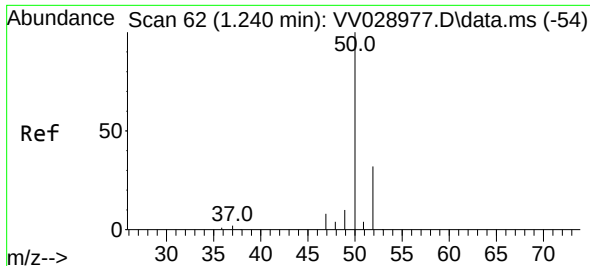
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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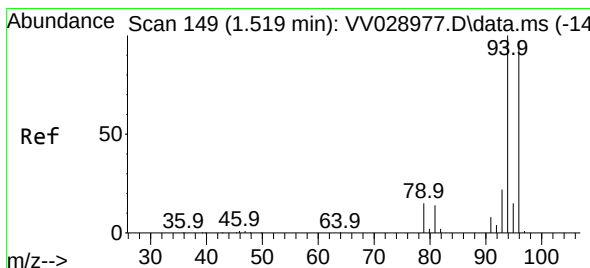
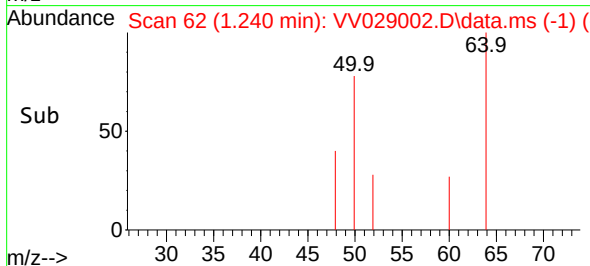
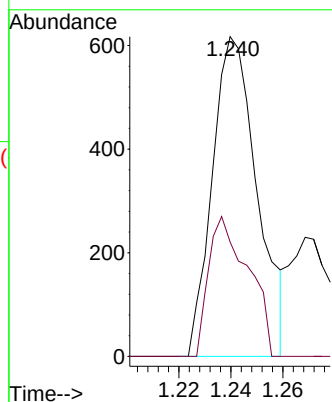
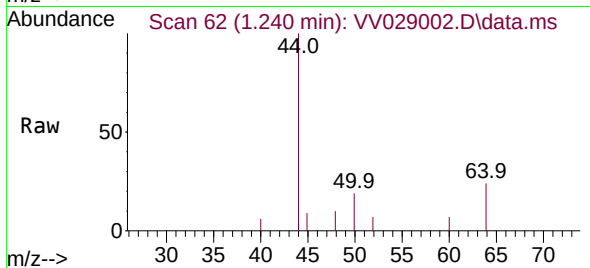




#3
Chloromethane
Concen: 0.038 ug/L
RT: 1.240 min Scan# 61
Delta R.T. -0.000 min
Lab File: VV029002.D
Acq: 15 Nov 2022 20:34

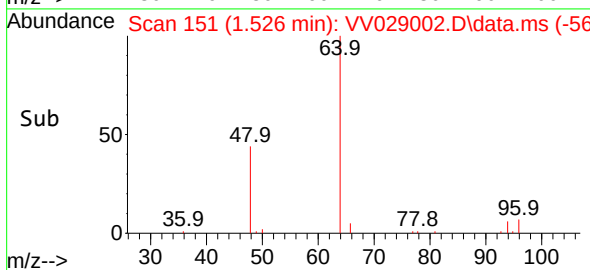
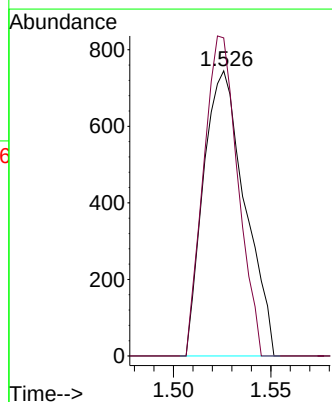
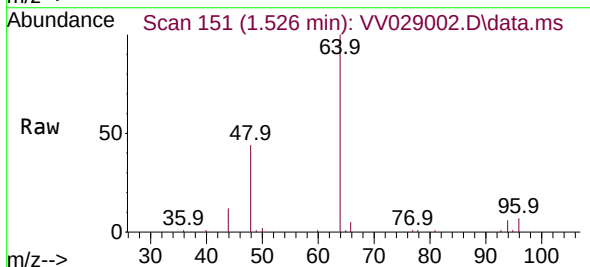
Instrument :
MSVOA_V
ClientSampleId :
H0AE2

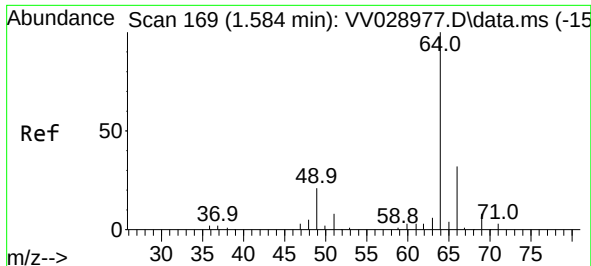
Tgt Ion: 50 Resp: 741
Ion Ratio Lower Upper
50 100
52 35.8 23.7 43.9



#6
Bromomethane
Concen: 0.083 ug/L
RT: 1.526 min Scan# 151
Delta R.T. 0.006 min
Lab File: VV029002.D
Acq: 15 Nov 2022 20:34

Tgt Ion: 94 Resp: 1100
Ion Ratio Lower Upper
94 100
96 111.5 68.5 127.3

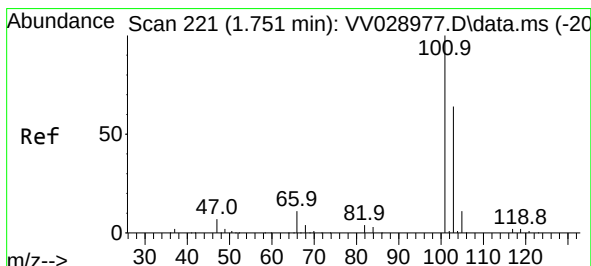
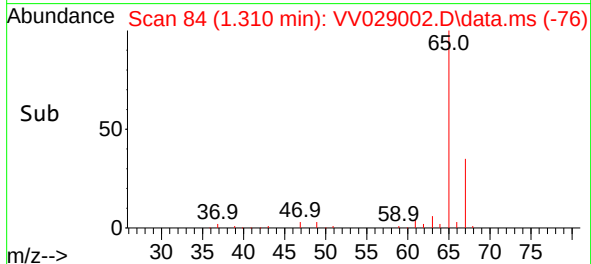
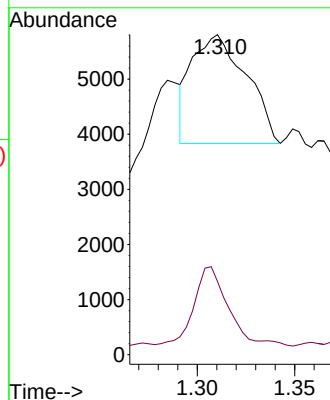
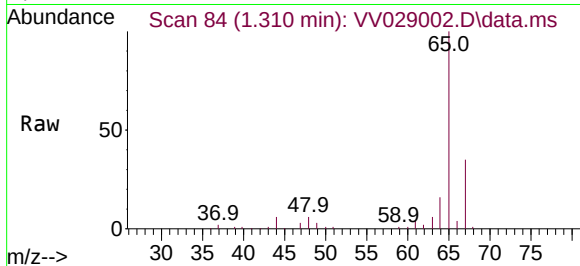




#8
Chloroethane
Concen: 0.295 ug/L
RT: 1.310 min Scan# 84
Delta R.T. -0.273 min
Lab File: VV029002.D
Acq: 15 Nov 2022 20:34

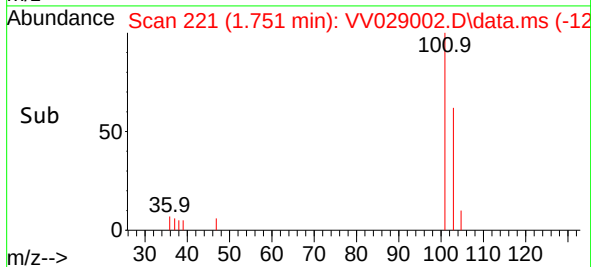
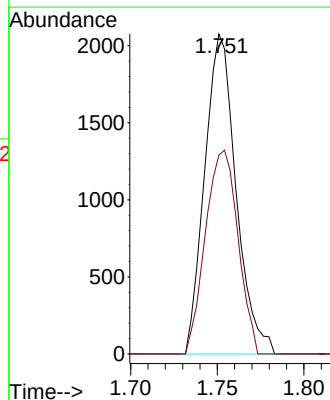
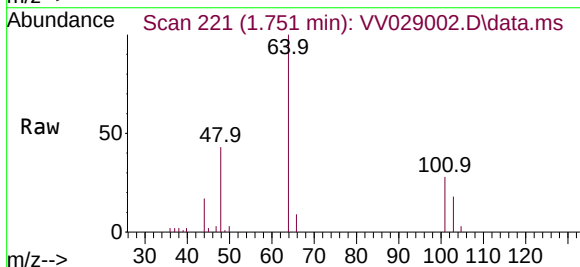
Instrument :
MSVOA_V
ClientSampleId :
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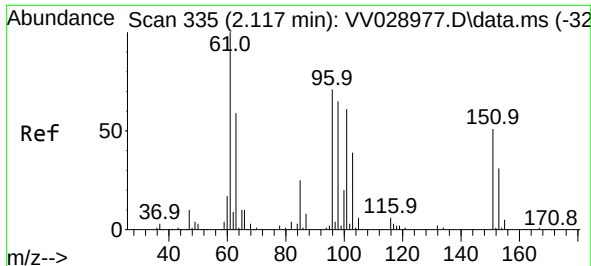
Tgt Ion: 64 Resp: 3853
Ion Ratio Lower Upper
64 100
66 22.9 22.0 40.8



#9
Trichlorofluoromethane
Concen: 0.087 ug/L
RT: 1.751 min Scan# 221
Delta R.T. -0.000 min
Lab File: VV029002.D
Acq: 15 Nov 2022 20:34

Tgt Ion: 101 Resp: 2615
Ion Ratio Lower Upper
101 100
103 65.9 51.3 76.9



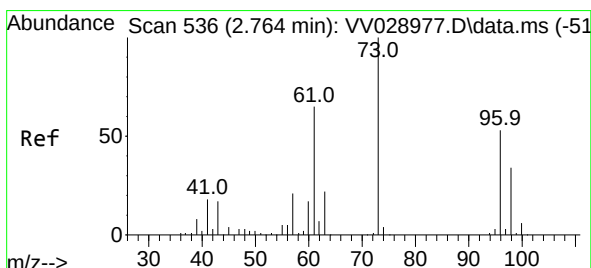
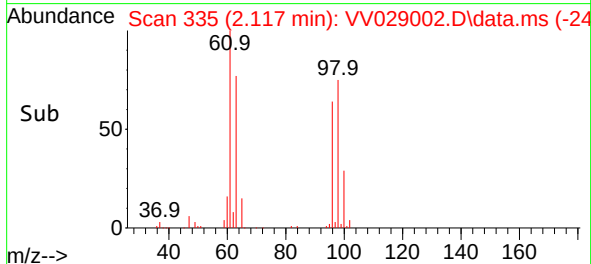
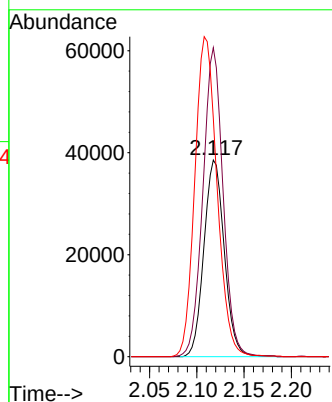
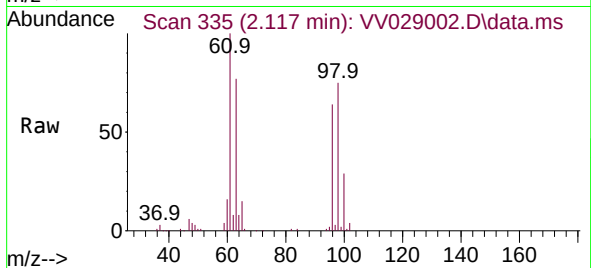


#12
 1,1-Dichloroethene
 Concen: 3.392 ug/L
 RT: 2.117 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV029002.D
 Acq: 15 Nov 2022 20:34

Instrument :
 MSVOA_V
 ClientSampleId :
 H0AE2

Tgt Ion: 96 Resp: 57854

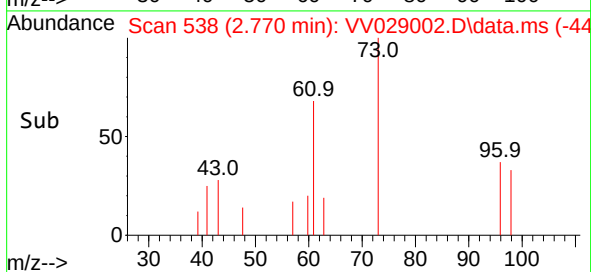
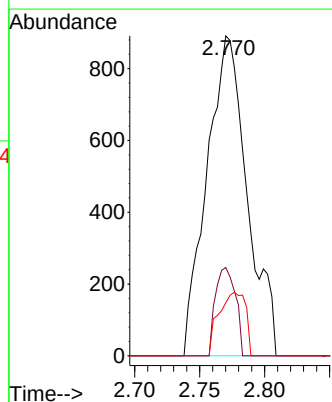
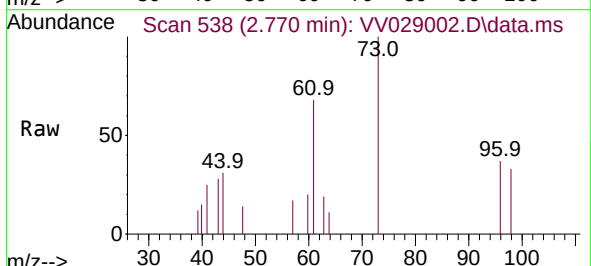
Ion	Ratio	Lower	Upper
96	100		
61	157.1	104.2	193.4
63	121.2	75.9	140.9

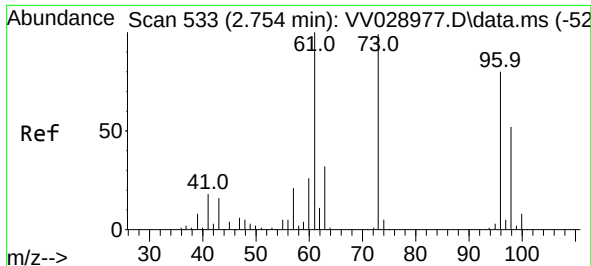


#17
 Methyl tert-butyl Ether
 Concen: 0.052 ug/L
 RT: 2.770 min Scan# 538
 Delta R.T. 0.006 min
 Lab File: VV029002.D
 Acq: 15 Nov 2022 20:34

Tgt Ion: 73 Resp: 1918

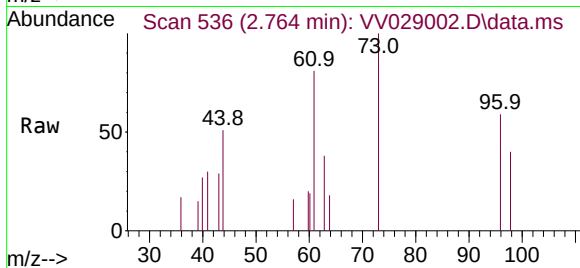
Ion	Ratio	Lower	Upper
73	100		
43	13.7	13.0	19.4
57	13.1	16.6	24.8



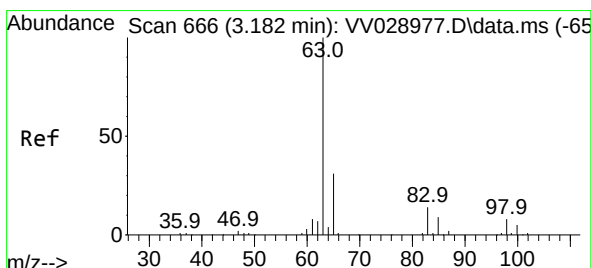
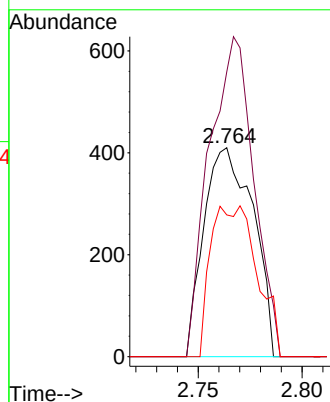
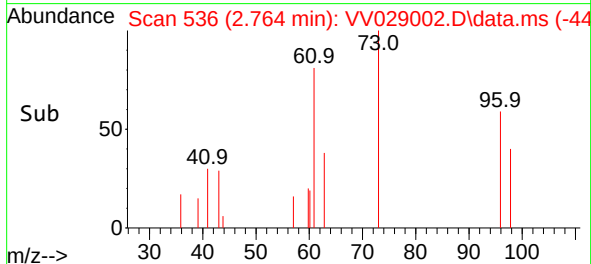


#18
 trans-1,2-Dichloroethene
 Concen: 0.034 ug/L
 RT: 2.764 min Scan# 51
 Delta R.T. 0.010 min
 Lab File: VV029002.D
 Acq: 15 Nov 2022 20:34

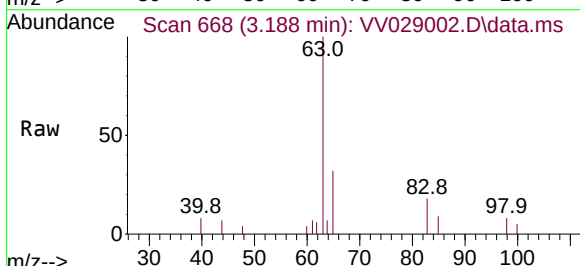
Instrument :
 MSVOA_V
 ClientSampleId :
 H0AE2



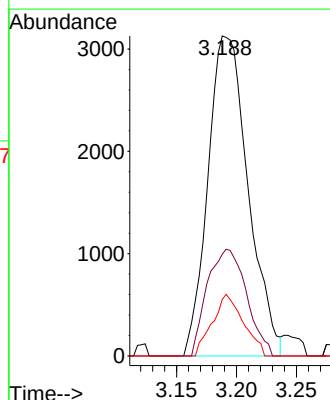
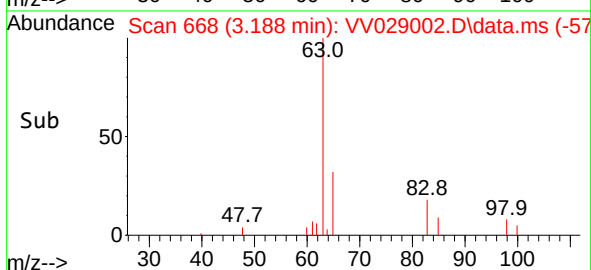
Tgt Ion:	96	Resp:	675
Ion	Ratio	Lower	Upper
96	100		
61	136.3	91.8	170.6
98	67.8	46.4	86.2

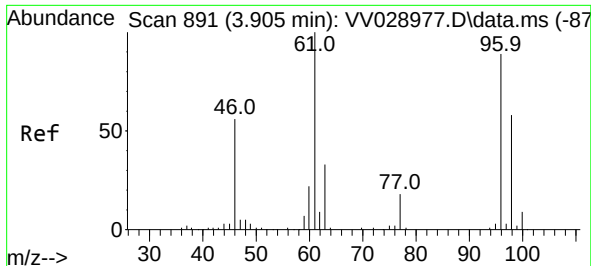


#19
 1,1-Dichloroethane
 Concen: 0.226 ug/L
 RT: 3.188 min Scan# 668
 Delta R.T. 0.006 min
 Lab File: VV029002.D
 Acq: 15 Nov 2022 20:34



Tgt Ion:	63	Resp:	7292
Ion	Ratio	Lower	Upper
63	100		
65	29.6	23.0	42.6
83	16.5	9.4	17.6





#22

cis-1,2-Dichloroethene

Concen: 1.413 ug/L

RT: 3.908 min Scan# 891

Delta R.T. 0.003 min

Lab File: VV029002.D

Acq: 15 Nov 2022 20:34

Instrument :

MSVOA_V

ClientSampleId :

H0AE2

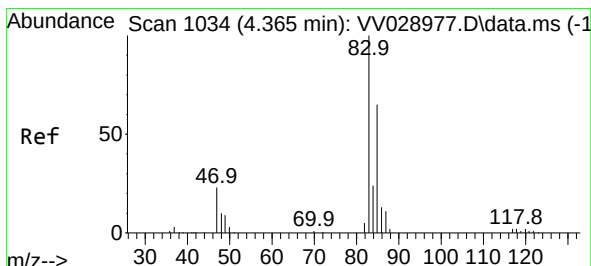
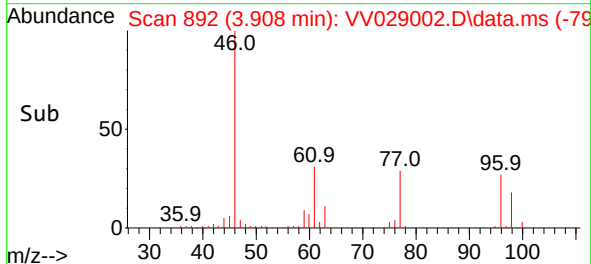
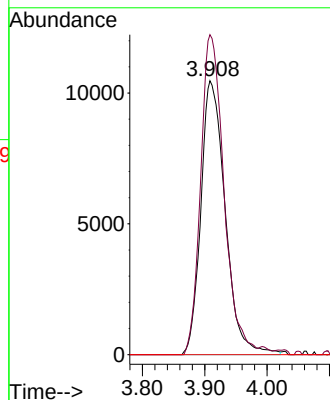
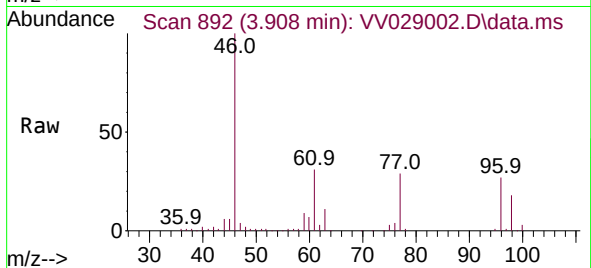
Tgt Ion: 96 Resp: 28409

Ion Ratio Lower Upper

96 100

61 116.8 82.3 152.9

68 0.0 0.0 0.0



#25

Chloroform

Concen: 0.381 ug/L

RT: 4.368 min Scan# 1035

Delta R.T. 0.003 min

Lab File: VV029002.D

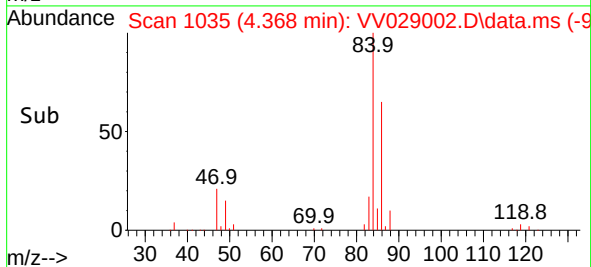
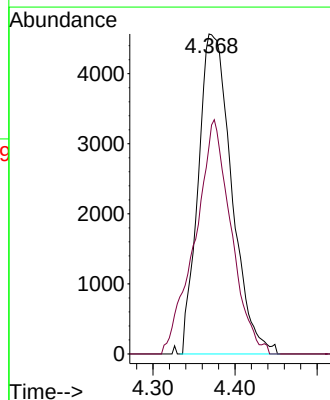
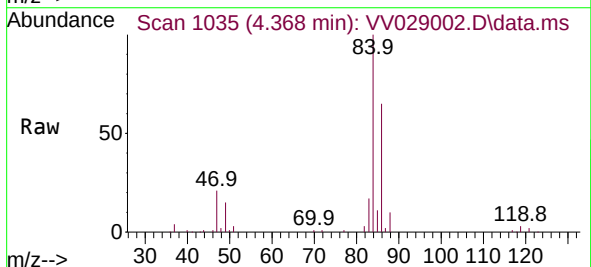
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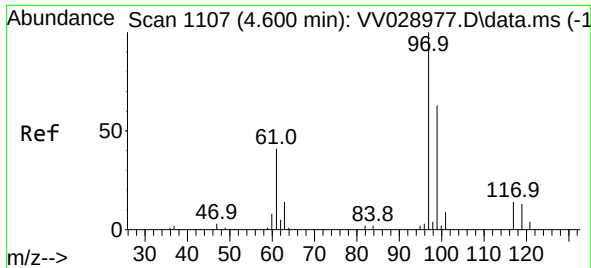
Tgt Ion: 83 Resp: 12932

Ion Ratio Lower Upper

83 100

85 64.9 43.7 81.1





#29

1,1,1-Trichloroethane

Concen: 0.090 ug/L

RT: 4.609 min Scan# 1107

Delta R.T. 0.010 min

Lab File: VV029002.D

Acq: 15 Nov 2022 20:34

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H0AE2

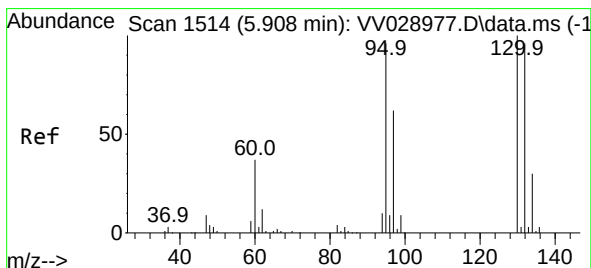
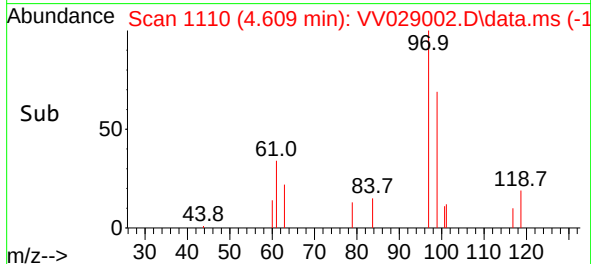
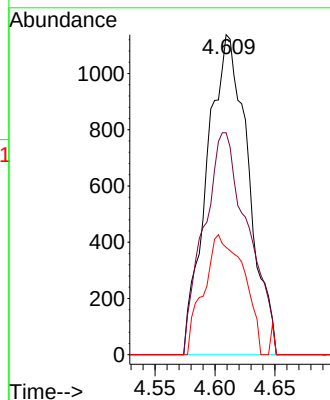
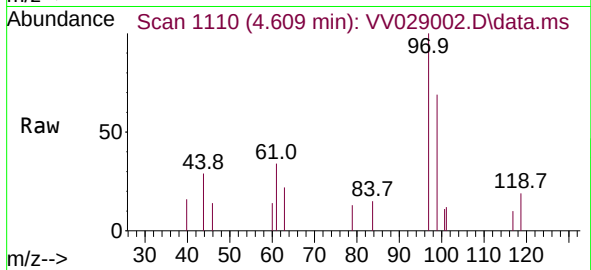
Tgt Ion: 97 Resp: 2723

Ion Ratio Lower Upper

97 100

99 74.3 52.7 79.1

61 36.4 33.8 50.6



#34

Trichloroethene

Concen: 17.969 ug/L

RT: 5.912 min Scan# 1515

Delta R.T. 0.003 min

Lab File: VV029002.D

Acq: 15 Nov 2022 20:34

Tgt Ion: 95 Resp: 364375

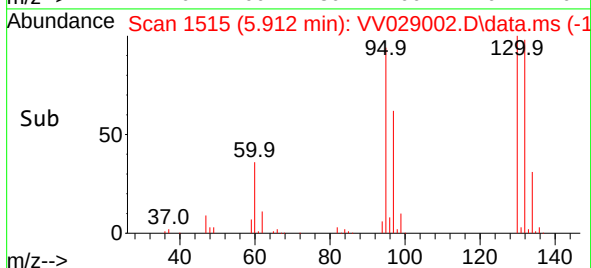
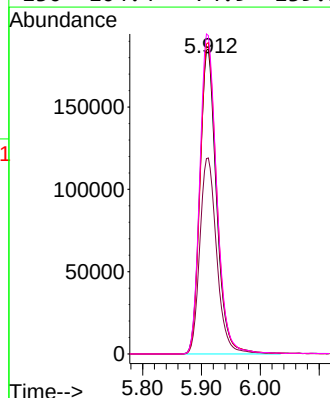
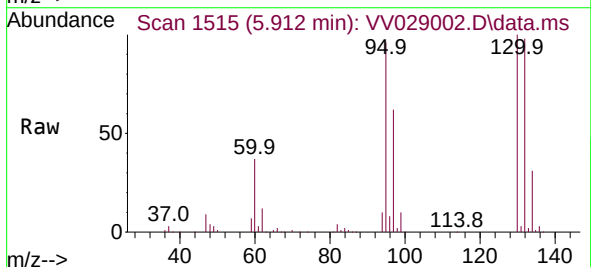
Ion Ratio Lower Upper

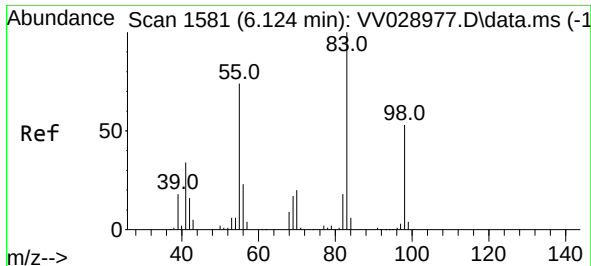
95 100

97 64.3 45.6 84.8

132 102.1 69.1 128.3

130 104.4 74.9 139.1

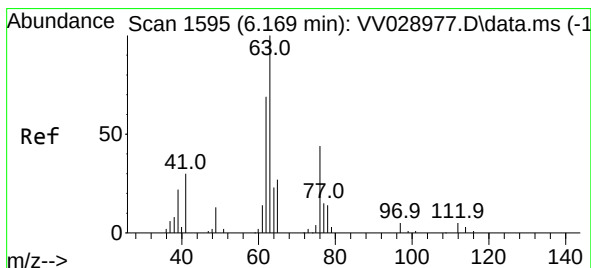
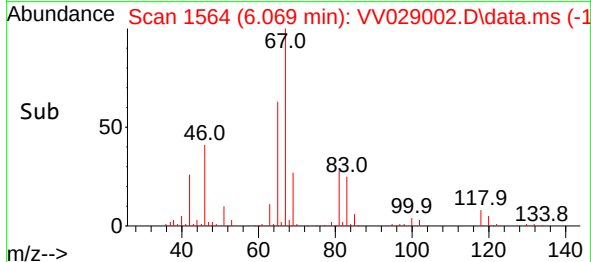
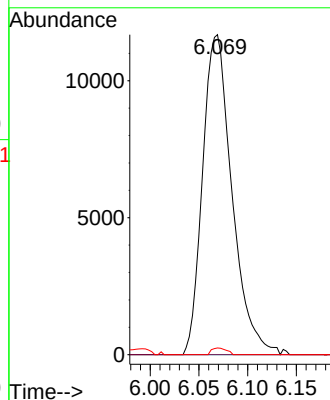
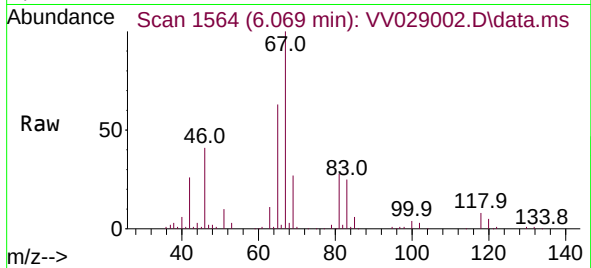




#35
Methylcyclohexane
Concen: 0.688 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.055 min
Lab File: VV029002.D
Acq: 15 Nov 2022 20:34

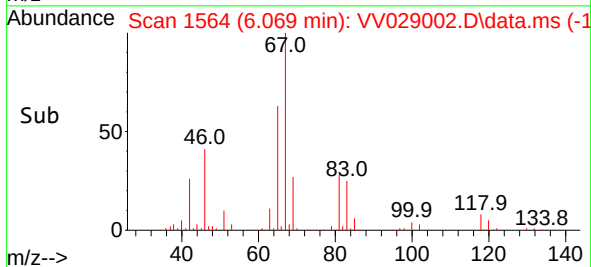
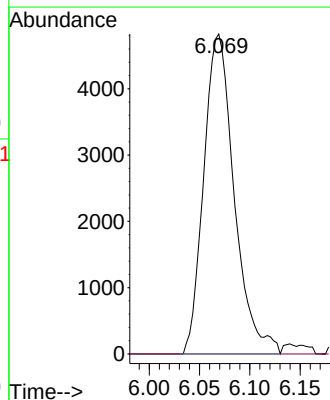
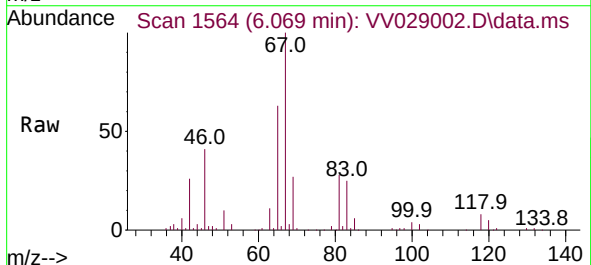
Instrument :
MSVOA_V
ClientSampleId :
H0AE2

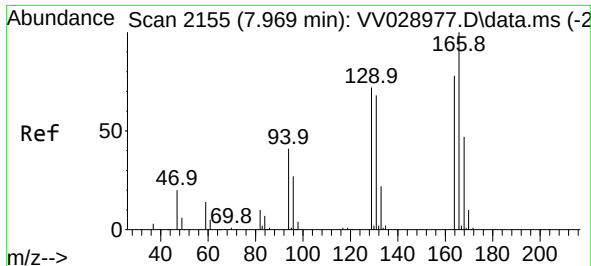
Tgt Ion: 83 Resp: 24503
Ion Ratio Lower Upper
83 100
55 0.0 55.8 83.6#
98 1.2 38.2 57.2#



#37
1,2-Dichloropropane
Concen: 0.556 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.100 min
Lab File: VV029002.D
Acq: 15 Nov 2022 20:34

Tgt Ion: 63 Resp: 10157
Ion Ratio Lower Upper
63 100
112 0.0 4.0 6.0#

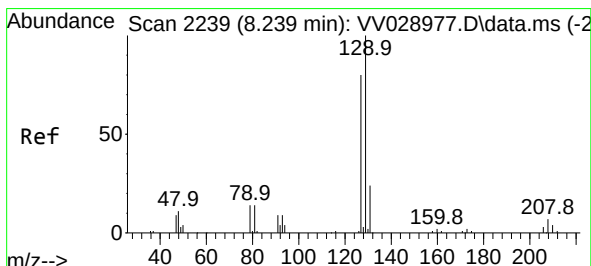
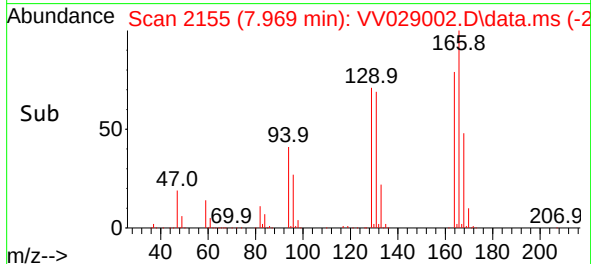
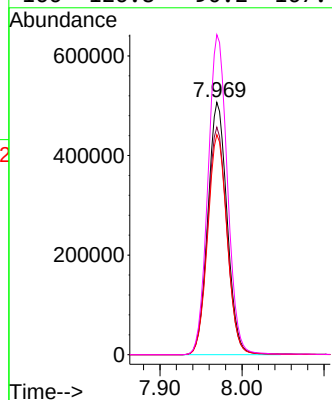
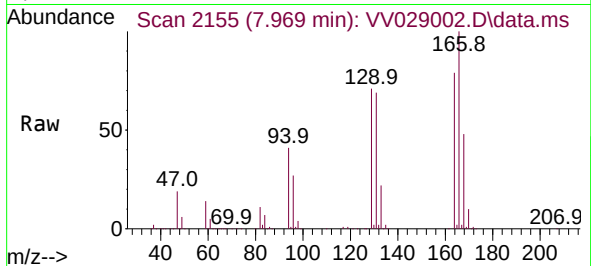




#47
Tetrachloroethene
Concen: 51.060 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. -0.000 min
Lab File: VV029002.D
Acq: 15 Nov 2022 20:34

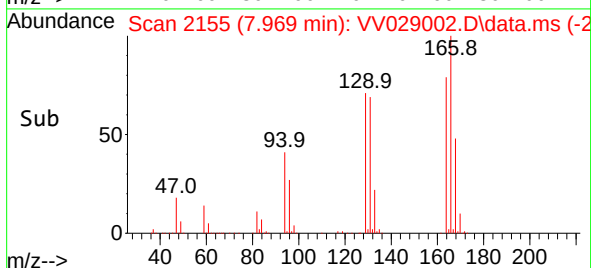
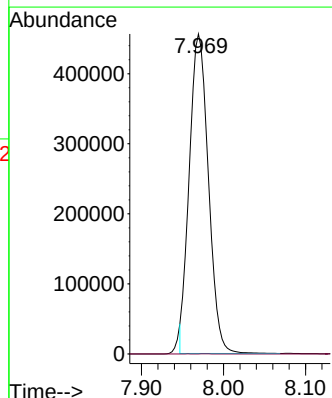
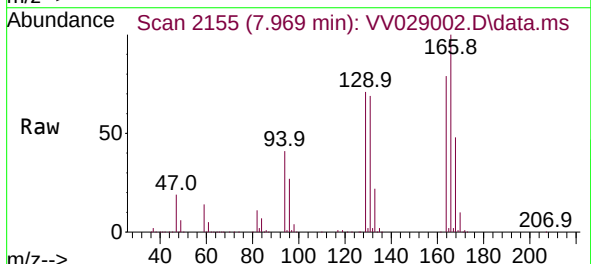
Instrument :
MSVOA_V
ClientSampleId :
H0AE2

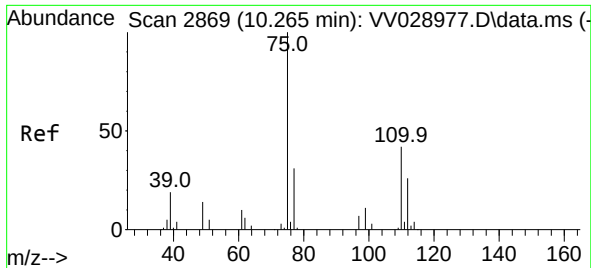
Tgt Ion:164 Resp: 829062
Ion Ratio Lower Upper
164 100
129 90.1 63.9 118.7
131 87.2 61.8 114.8
166 126.8 90.2 167.4



#49
Dibromochloromethane
Concen: 50.802 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. -0.270 min
Lab File: VV029002.D
Acq: 15 Nov 2022 20:34

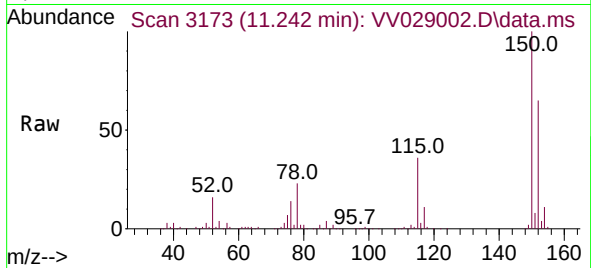
Tgt Ion:129 Resp: 734396
Ion Ratio Lower Upper
129 100
127 0.0 54.5 101.1#





#61
 1,2,3-Trichloropropane
 Concen: 1.614 ug/L
 RT: 11.242 min Scan# 31
 Delta R.T. 0.977 min
 Lab File: VV029002.D
 Acq: 15 Nov 2022 20:34

Instrument :
 MSVOA_V
 ClientSampleId :
 H0AE2



Tgt Ion: 75 Resp: 13259
 Ion Ratio Lower Upper
 75 100
 77 31.8 26.2 39.2
 110 2.1 32.6 48.8#

