

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111922\
 Data File : VW029182.D
 Acq On : 19 Nov 2022 19:50
 Operator : SY/MD
 Sample : N5694-08
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHB44

Quant Time: Nov 20 01:01:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sun Nov 20 00:53:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	315522	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	284551	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.242	152	134192	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	109161	5.675	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	113.400%
7) Chloroethane-d5	1.568	69	87135	5.153	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.000%
11) 1,1-Dichloroethene-d2	2.108	63	204377	5.830	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	116.600%
20) 2-Butanone-d5	3.883	46	207473	64.433	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	128.860%
24) Chloroform-d	4.342	84	184836	4.680	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.600%
26) 1,2-Dichloroethane-d4	5.027	65	83917	4.723	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.400%
32) Benzene-d6	5.047	84	405819	4.778	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.600%
36) 1,2-Dichloropropane-d6	6.066	67	116002	4.891	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.800%
41) Toluene-d8	7.310	98	345183	4.515	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.200%
43) trans-1,3-Dichloroprop...	7.619	79	35392	4.575	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.600%
46) 2-Hexanone-d5	8.088	63	160118	48.494	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.980%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	79362	4.826	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.600%
66) 1,2-Dichlorobenzene-d4	11.615	152	120861	5.034	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	2524	0.116	ug/L	97
8) Chloroethane	1.423	64	83940	5.737	ug/L #	52
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	1719	0.090	ug/L #	19
12) 1,1-Dichloroethene	2.117	96	137637	7.206	ug/L	95
17) Methyl tert-butyl Ether	2.770	73	11503	0.281	ug/L #	84
18) trans-1,2-Dichloroethene	2.770	96	3462	0.156	ug/L	98
19) 1,1-Dichloroethane	3.185	63	835526	23.071	ug/L	99
22) cis-1,2-Dichloroethene	3.902	96	2263188	100.490	ug/L	99
25) Chloroform	4.375	83	13922	0.367	ug/L	84
27) 1,2-Dichloroethane	5.137	62	25262	1.292	ug/L	99
29) 1,1,1-Trichloroethane	4.603	97	857595	25.684	ug/L	98
31) Carbon tetrachloride	4.603	117	115875	4.030	ug/L	100
33) Benzene	5.104	78	34942	0.402	ug/L	100
34) Trichloroethene	5.908	95	934691	41.988	ug/L	99
35) Methylcyclohexane	6.066	83	28002	0.716	ug/L #	21
37) 1,2-Dichloropropane	6.066	63	12302	0.614	ug/L #	85
39) cis-1,3-Dichloropropene	6.985	75	2355	0.084	ug/L #	46
49) Dibromochloromethane	7.976	129	493	0.031	ug/L #	10
61) 1,2,3-Trichloropropane	11.239	75	14927	1.628	ug/L #	64

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QLast Update : Sun Nov 20 00:53:03 2022
Response via : Initial Calibration

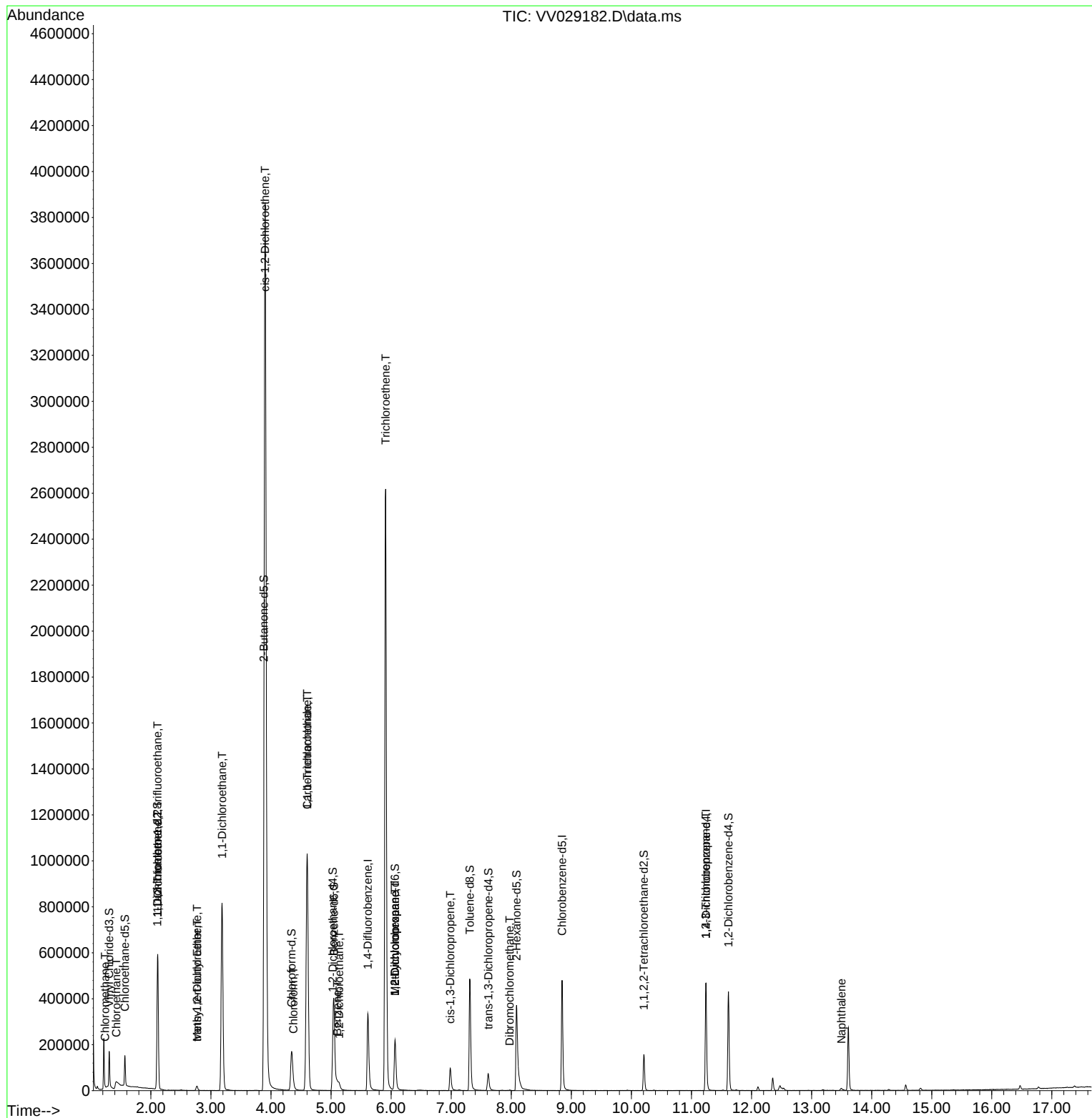
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	13.500	128	5449	0.177	ug/L	# 92

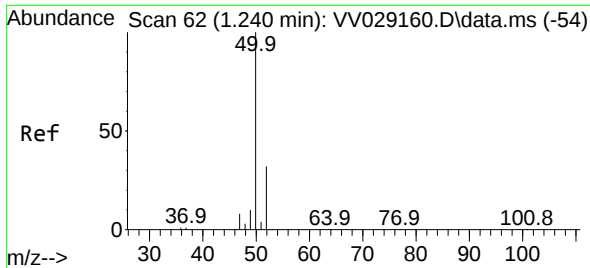
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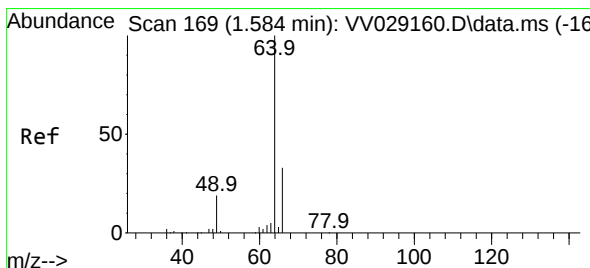
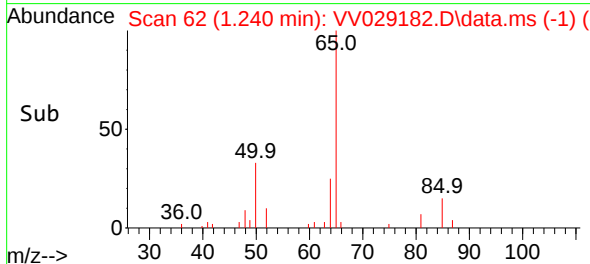
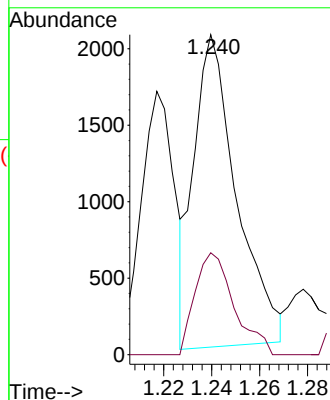
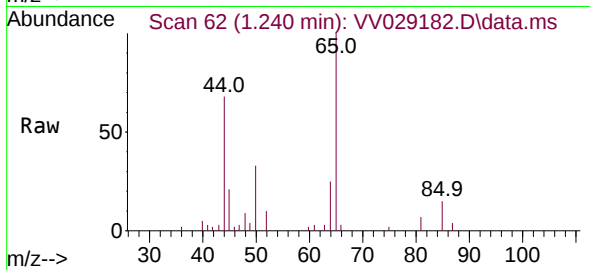




#3
Chloromethane
Concen: 0.116 ug/L
RT: 1.240 min Scan# 61
Delta R.T. -0.000 min
Lab File: VV029182.D
Acq: 19 Nov 2022 19:50

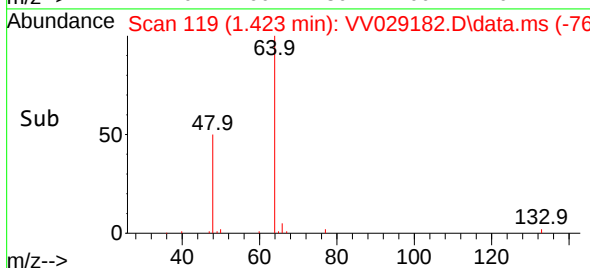
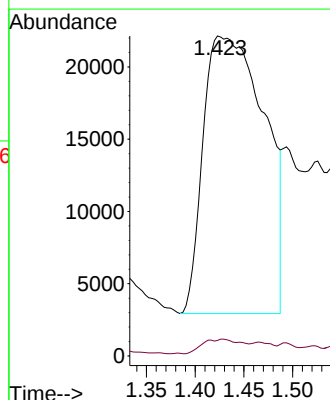
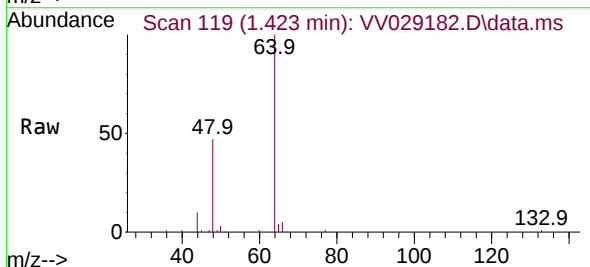
Instrument :
MSVOA_V
ClientSampleId :
BHB44

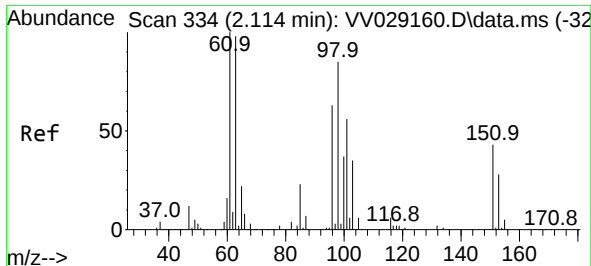
Tgt Ion: 50 Resp: 2524
Ion Ratio Lower Upper
50 100
52 31.8 23.7 43.9



#8
Chloroethane
Concen: 5.737 ug/L
RT: 1.423 min Scan# 119
Delta R.T. -0.161 min
Lab File: VV029182.D
Acq: 19 Nov 2022 19:50

Tgt Ion: 64 Resp: 83940
Ion Ratio Lower Upper
64 100
66 4.9 22.0 40.8#

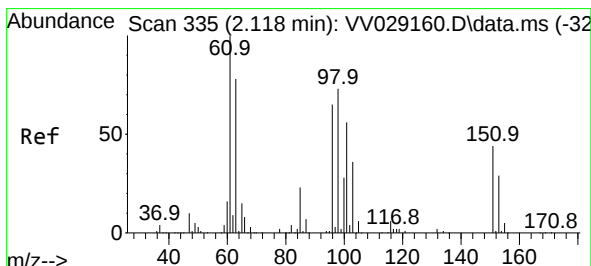
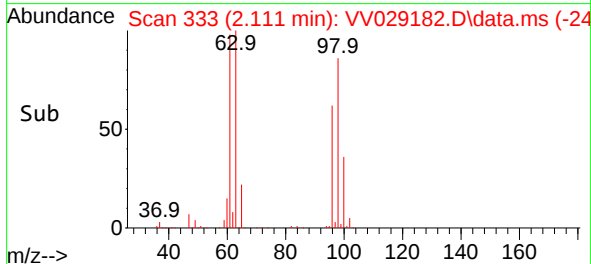
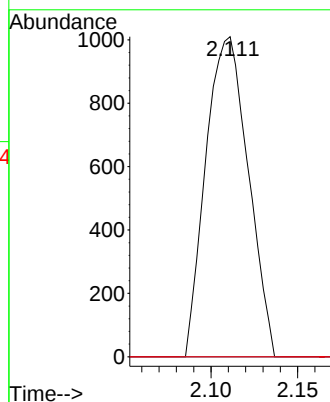
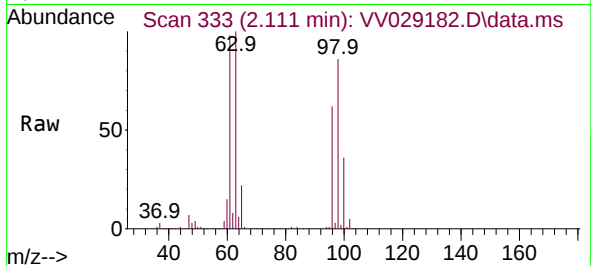




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.090 ug/L
RT: 2.111 min Scan# 311
Delta R.T. -0.003 min
Lab File: VV029182.D
Acq: 19 Nov 2022 19:50

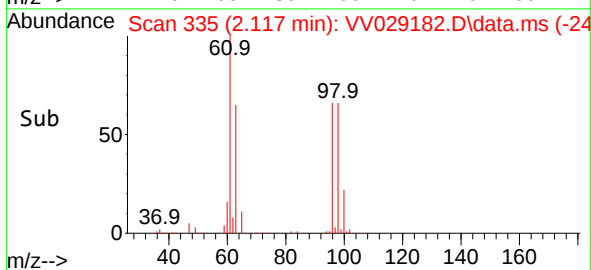
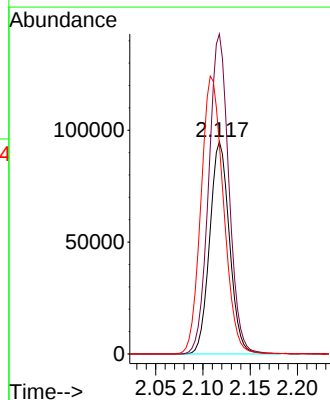
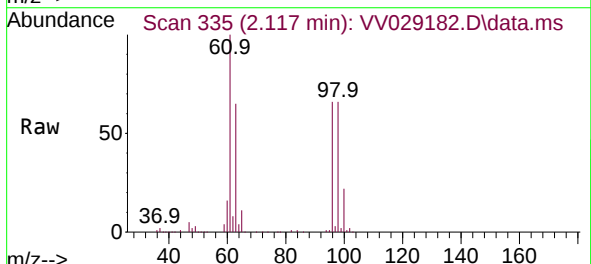
Instrument :
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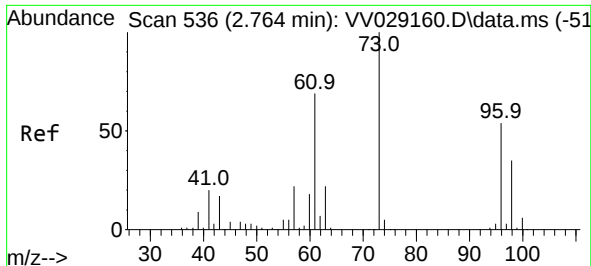
Tgt Ion:101 Resp: 1719
Ion Ratio Lower Upper
101 100
85 0.0 32.9 49.3#
151 0.0 62.5 93.7#



#12
1,1-Dichloroethene
Concen: 7.206 ug/L
RT: 2.117 min Scan# 335
Delta R.T. -0.000 min
Lab File: VV029182.D
Acq: 19 Nov 2022 19:50

Tgt Ion: 96 Resp: 137637
Ion Ratio Lower Upper
96 100
61 150.7 104.2 193.4
63 98.6 75.9 140.9

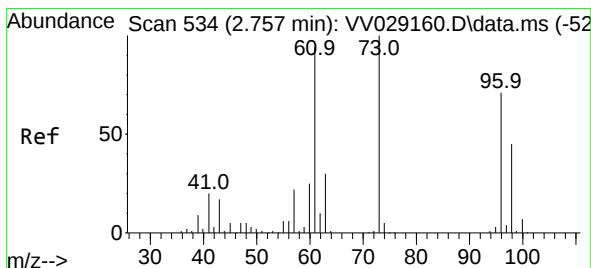
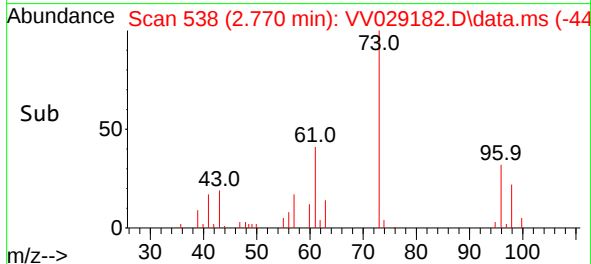
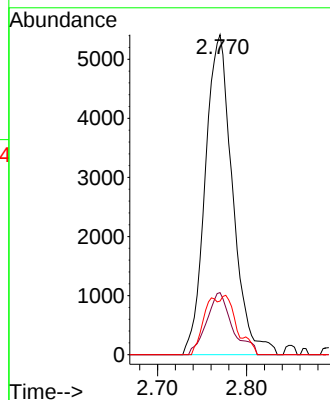
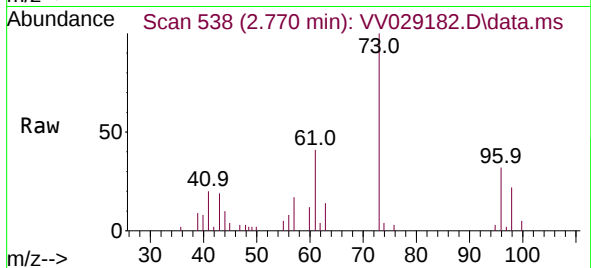




#17
Methyl tert-butyl Ether
Concen: 0.281 ug/L
RT: 2.770 min Scan# 51
Delta R.T. 0.006 min
Lab File: VV029182.D
Acq: 19 Nov 2022 19:50

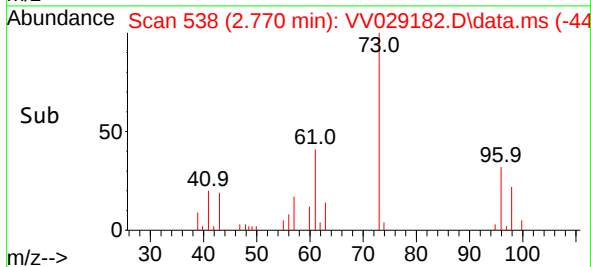
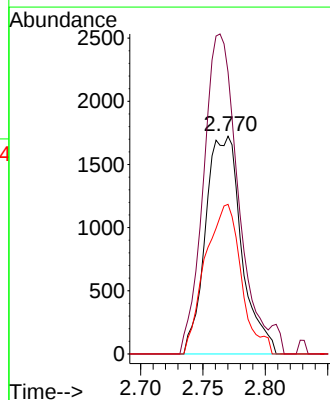
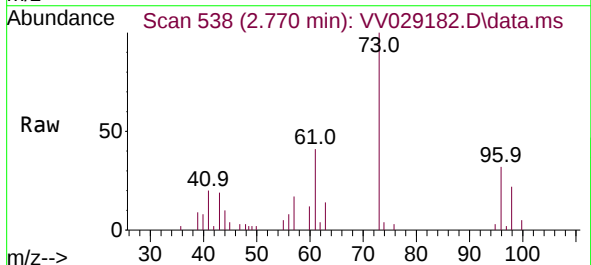
Instrument :
MSVOA_V
ClientSampleId :
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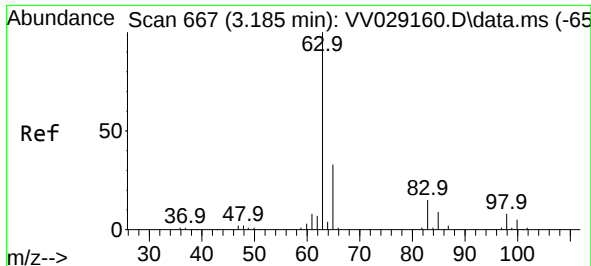
Tgt Ion: 73 Resp: 11503
Ion Ratio Lower Upper
73 100
43 18.3 13.0 19.4
57 9.6 16.6 24.8#



#18
trans-1,2-Dichloroethene
Concen: 0.156 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.013 min
Lab File: VV029182.D
Acq: 19 Nov 2022 19:50

Tgt Ion: 96 Resp: 3462
Ion Ratio Lower Upper
96 100
61 129.5 91.8 170.6
98 68.7 46.4 86.2





#19

1,1-Dichloroethane

Concen: 23.071 ug/L

RT: 3.185 min Scan# 6

Delta R.T. -0.000 min

Lab File: VV029182.D

Acq: 19 Nov 2022 19:50

Instrument :

MSVOA_V

ClientSampleId :

BHB44

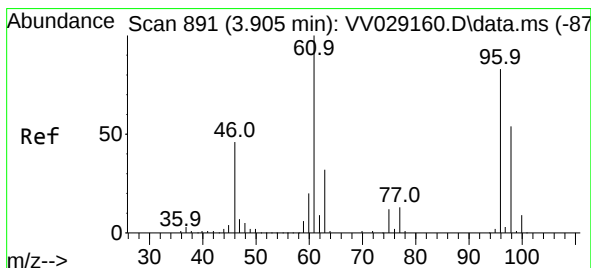
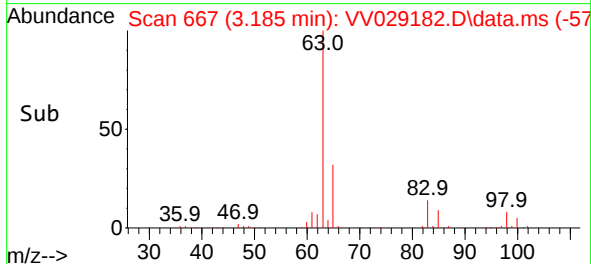
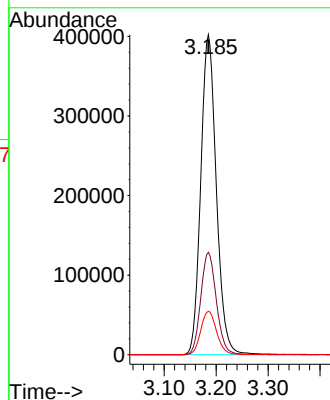
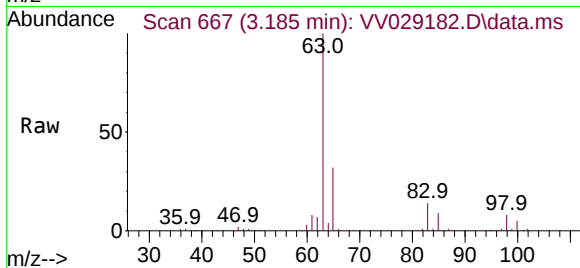
Tgt Ion: 63 Resp: 835526

Ion Ratio Lower Upper

63 100

65 32.0 23.0 42.6

83 13.6 9.4 17.6



#22

cis-1,2-Dichloroethene

Concen: 100.490 ug/L

RT: 3.902 min Scan# 890

Delta R.T. -0.003 min

Lab File: VV029182.D

Acq: 19 Nov 2022 19:50

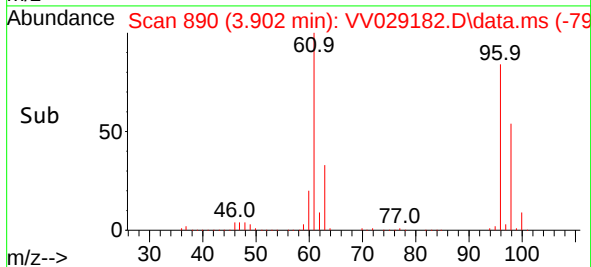
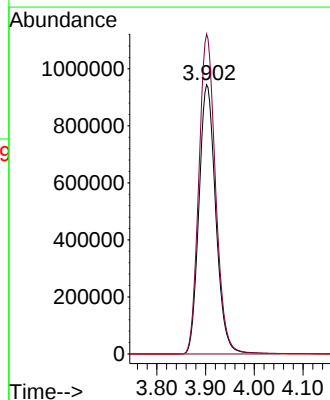
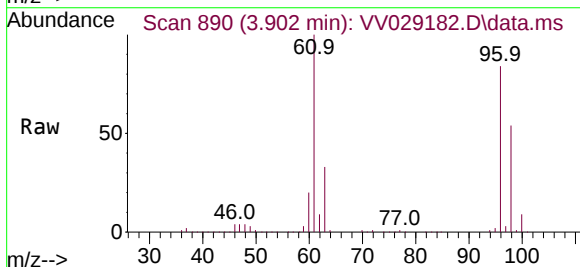
Tgt Ion: 96 Resp: 2263188

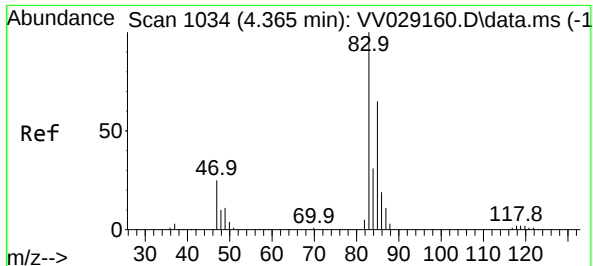
Ion Ratio Lower Upper

96 100

61 118.8 82.3 152.9

68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.367 ug/L

RT: 4.375 min Scan# 11

Delta R.T. 0.009 min

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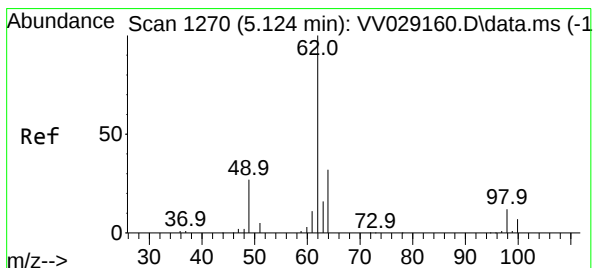
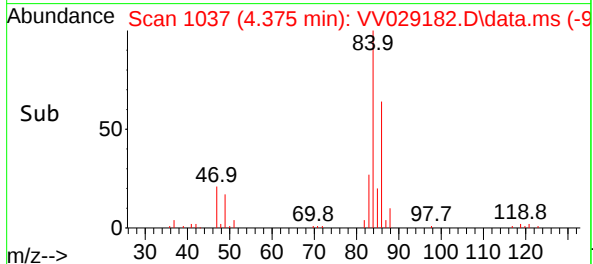
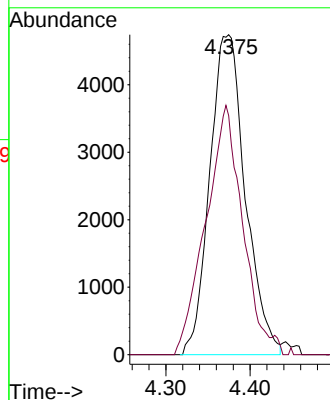
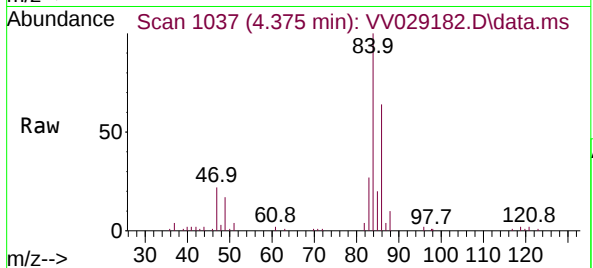
BHB44

Tgt Ion: 83 Resp: 13922

Ion Ratio Lower Upper

83 100

85 74.7 43.7 81.1



#27

1,2-Dichloroethane

Concen: 1.292 ug/L

RT: 5.137 min Scan# 1274

Delta R.T. 0.013 min

Lab File: VV029182.D

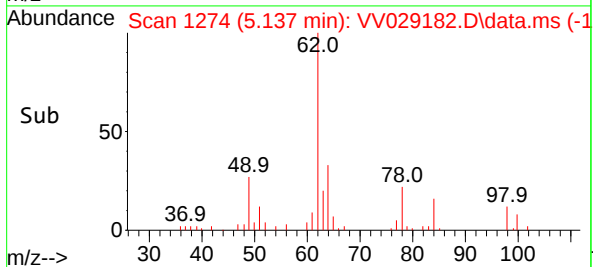
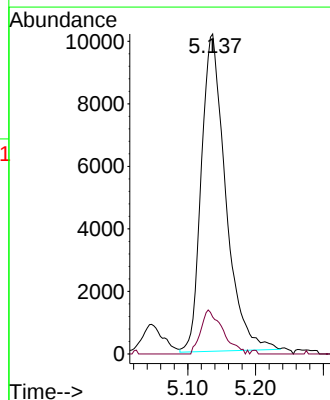
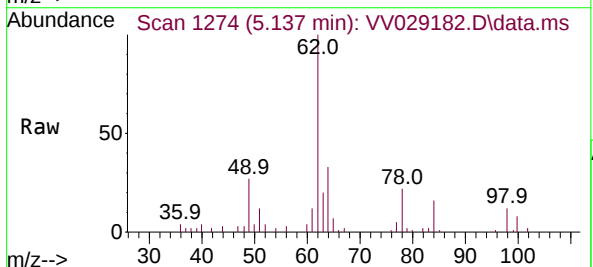
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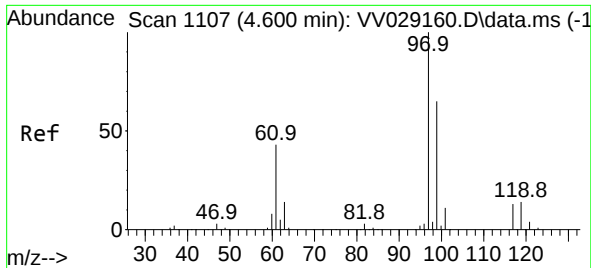
Tgt Ion: 62 Resp: 25262

Ion Ratio Lower Upper

62 100

98 11.6 9.0 13.6





#29

1,1,1-Trichloroethane

Concen: 25.684 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. 0.003 min

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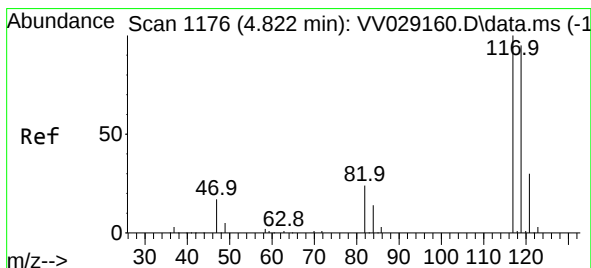
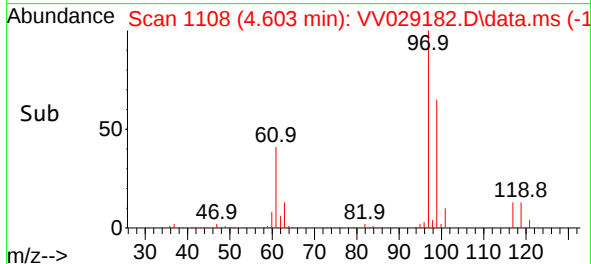
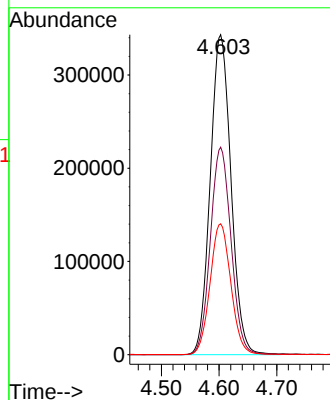
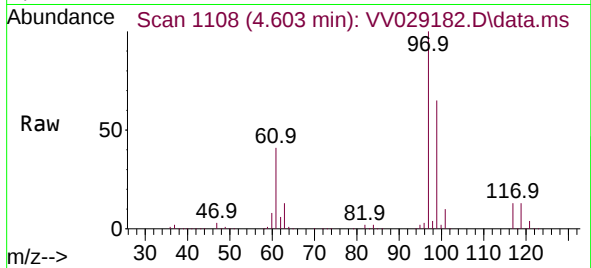
Tgt Ion: 97 Resp: 857595

Ion Ratio Lower Upper

97 100

99 64.7 52.7 79.1

61 40.9 33.8 50.6



#31

Carbon tetrachloride

Concen: 4.030 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. -0.219 min

Lab File: VV029182.D

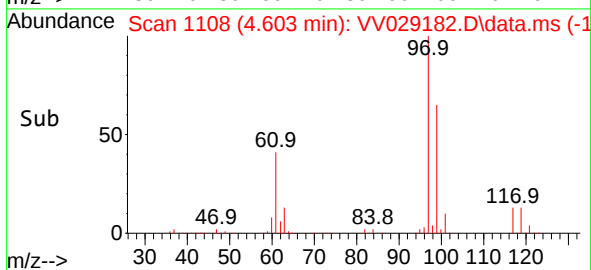
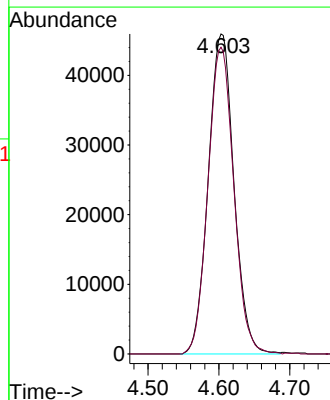
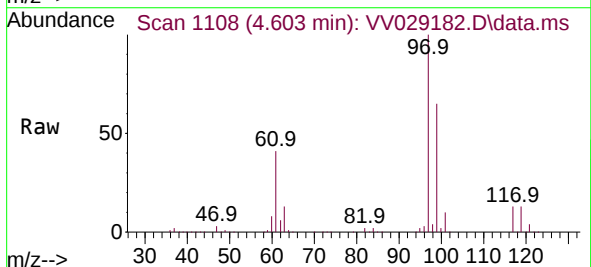
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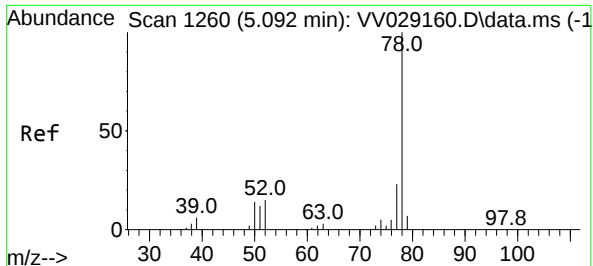
Tgt Ion: 117 Resp: 115875

Ion Ratio Lower Upper

117 100

119 96.3 77.0 115.6

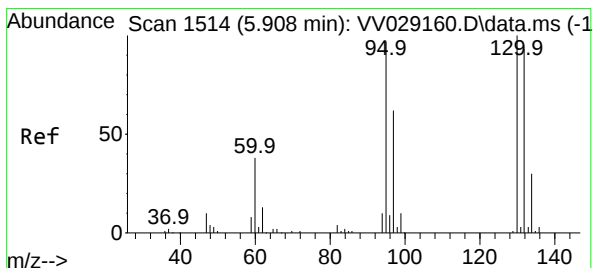
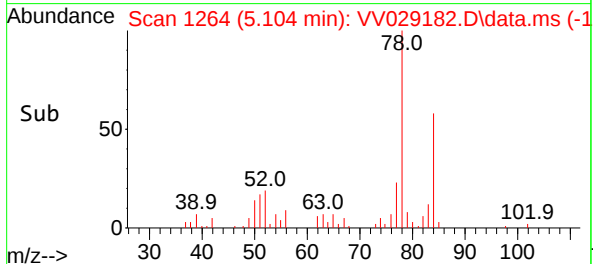
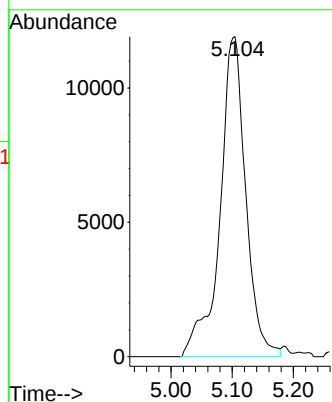
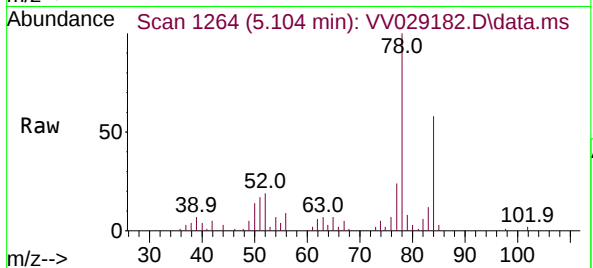




#33
Benzene
Concen: 0.402 ug/L
RT: 5.104 min Scan# 11
Delta R.T. 0.013 min
Lab File: VV029182.D
Acq: 19 Nov 2022 19:50

Instrument :
MSVOA_V
ClientSampleId :
BHB44

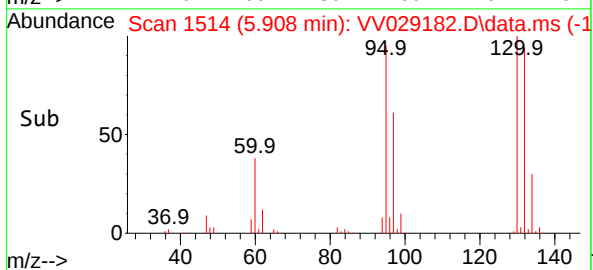
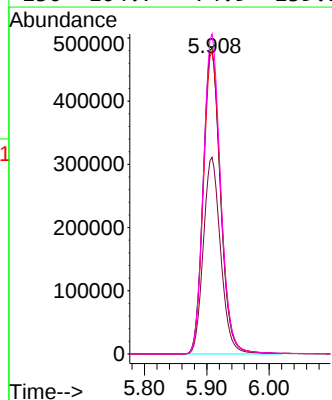
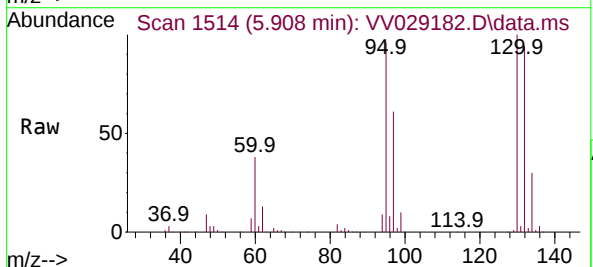
Tgt Ion: 78 Resp: 34942

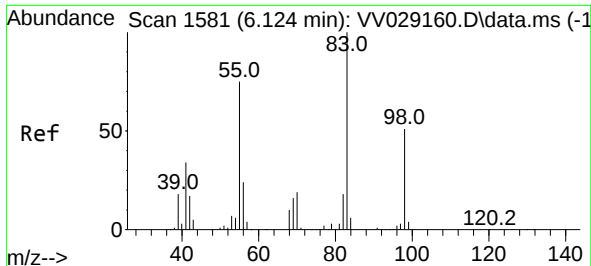


#34
Trichloroethene
Concen: 41.988 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. -0.000 min
Lab File: VV029182.D
Acq: 19 Nov 2022 19:50

Tgt Ion: 95 Resp: 934691

Ion	Ratio	Lower	Upper
95	100		
97	64.3	45.6	84.8
132	98.9	69.1	128.3
130	104.7	74.9	139.1





#35

Methylcyclohexane

Concen: 0.716 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.058 min

Lab File: VV029182.D

Acq: 19 Nov 2022 19:50

Instrument :

MSVOA_V

ClientSampleId :

BHB44

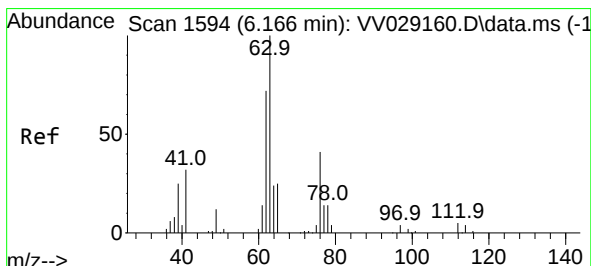
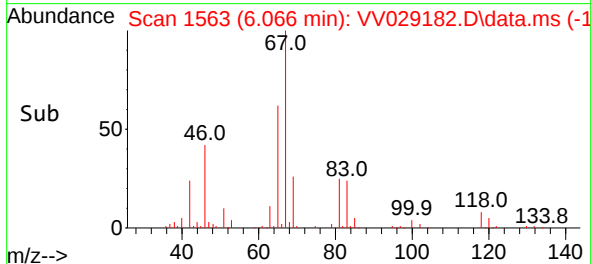
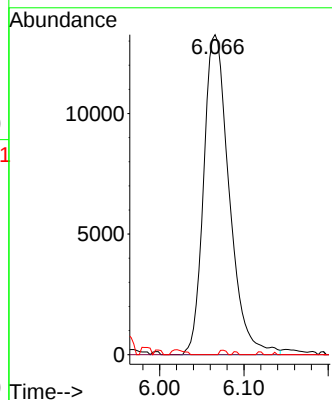
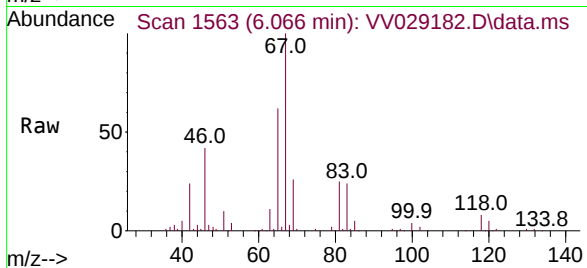
Tgt Ion: 83 Resp: 28002

Ion Ratio Lower Upper

83 100

55 0.0 55.8 83.6#

98 0.0 38.2 57.2#



#37

1,2-Dichloropropane

Concen: 0.614 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.100 min

Lab File: VV029182.D

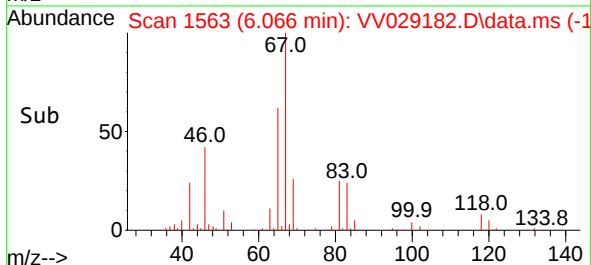
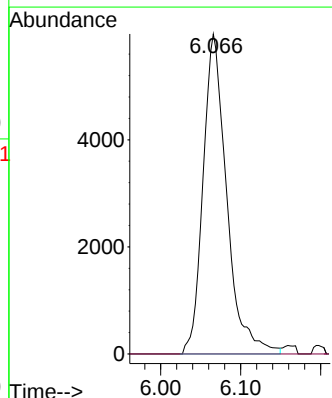
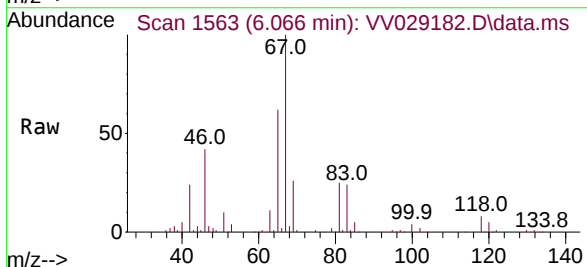
Acq: 19 Nov 2022 19:50

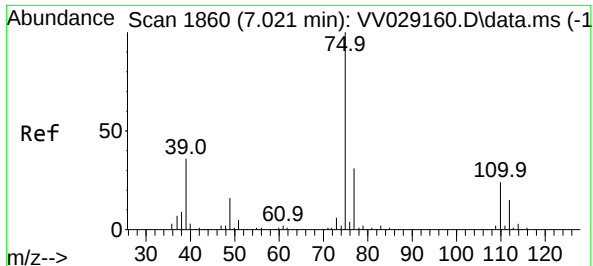
Tgt Ion: 63 Resp: 12302

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#





#39

cis-1,3-Dichloropropene

Concen: 0.084 ug/L

RT: 6.985 min Scan# 11

Delta R.T. -0.036 min

Lab File: VV029182.D

Acq: 19 Nov 2022 19:50

Instrument :

MSVOA_V

ClientSampleId :

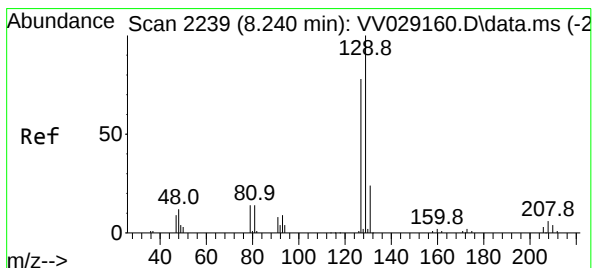
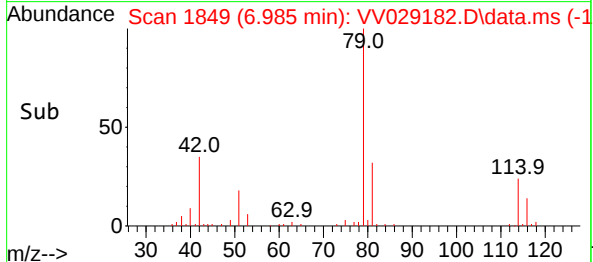
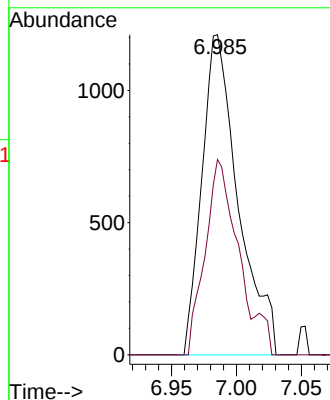
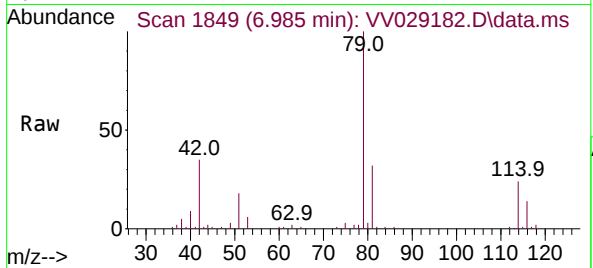
BHB44

Tgt Ion: 75 Resp: 2355

Ion Ratio Lower Upper

75 100

77 61.0 21.8 40.6#



#49

Dibromochloromethane

Concen: 0.031 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.264 min

Lab File: VV029182.D

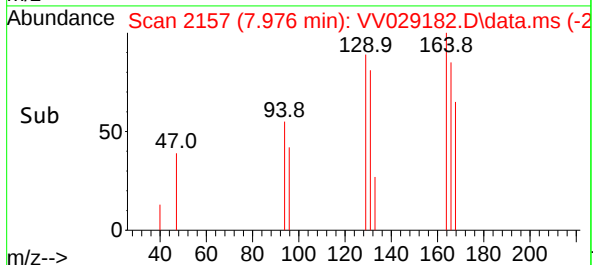
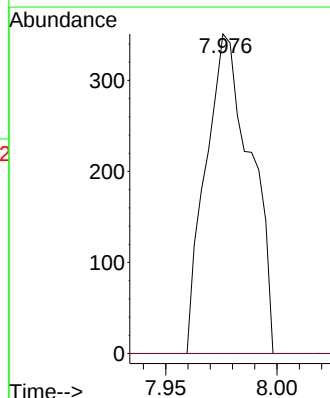
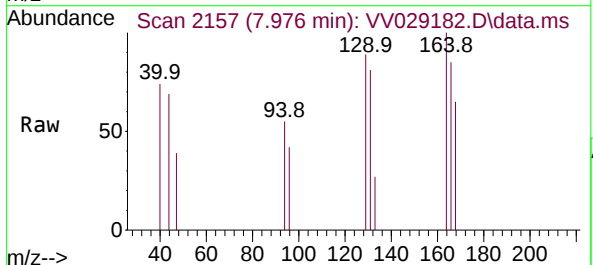
Acq: 19 Nov 2022 19:50

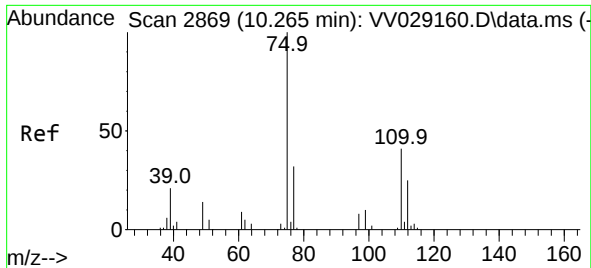
Tgt Ion: 129 Resp: 493

Ion Ratio Lower Upper

129 100

127 0.0 54.5 101.1#

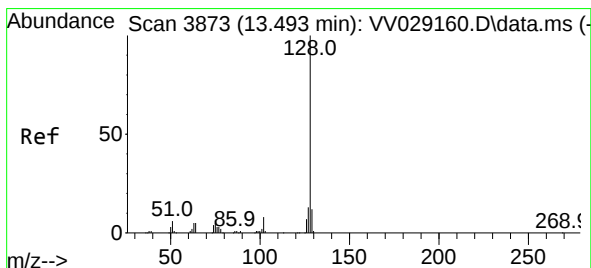
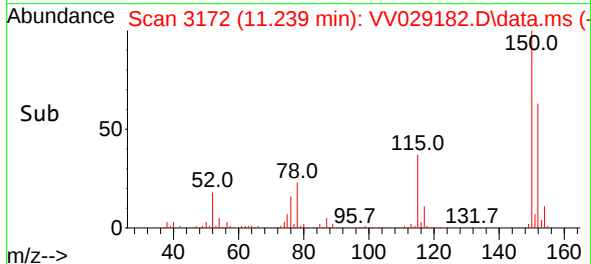
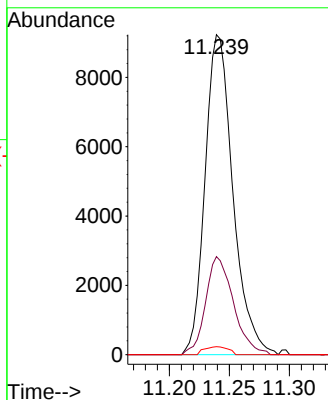
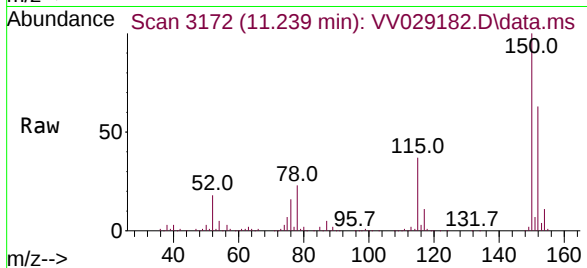




#61
1,2,3-Trichloropropane
Concen: 1.628 ug/L
RT: 11.239 min Scan# 3172
Delta R.T. 0.974 min
Lab File: VV029182.D
Acq: 19 Nov 2022 19:50

Instrument :
MSVOA_V
ClientSampleId :
BHB44

Tgt Ion: 75 Resp: 14927
Ion Ratio Lower Upper
75 100
77 30.6 26.2 39.2
110 2.1 32.6 48.8#



#71
Naphthalene
Concen: 0.177 ug/L
RT: 13.500 min Scan# 3875
Delta R.T. 0.006 min
Lab File: VV029182.D
Acq: 19 Nov 2022 19:50

Tgt Ion: 128 Resp: 5449
Ion Ratio Lower Upper
128 100
129 7.1 8.8 13.2#
127 10.2 9.8 14.8

