

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111922\
 Data File : VW029181.D
 Acq On : 19 Nov 2022 19:26
 Operator : SY/MD
 Sample : N5694-07
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHB43

Quant Time: Nov 20 01:01:12 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	335689	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	307825	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	158857	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	108385	5.296	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.000%
7) Chloroethane-d5	1.568	69	87452	4.861	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.200%
11) 1,1-Dichloroethene-d2	2.108	63	148107	3.971	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.400%
20) 2-Butanone-d5	3.879	46	193226	56.403	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.800%
24) Chloroform-d	4.342	84	181436	4.318	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.400%
26) 1,2-Dichloroethane-d4	5.027	65	85498	4.523	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.400%
32) Benzene-d6	5.047	84	398222	4.334	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.600%
36) 1,2-Dichloropropane-d6	6.066	67	116655	4.547	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.000%
41) Toluene-d8	7.310	98	351854	4.254	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.000%
43) trans-1,3-Dichloroprop...	7.622	79	34520	4.125	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.600%
46) 2-Hexanone-d5	8.085	63	172333	48.248	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.500%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	83523	4.695	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.000%
66) 1,2-Dichlorobenzene-d4	11.615	152	132459	4.661	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.217	85	6106	0.218	ug/L	97
3) Chloromethane	1.243	50	2205	0.095	ug/L	89
5) Vinyl chloride	1.310	62	1207	0.046	ug/L #	1
8) Chloroethane	1.426	64	90120	5.789	ug/L #	52
12) 1,1-Dichloroethene	2.117	96	17860	0.879	ug/L #	1
17) Methyl tert-butyl Ether	2.767	73	1488	0.034	ug/L #	44
19) 1,1-Dichloroethane	3.188	63	96658	2.509	ug/L	98
22) cis-1,2-Dichloroethene	3.905	96	126607	5.284	ug/L	99
33) Benzene	5.095	78	471305	5.010	ug/L	100
34) Trichloroethene	5.918	95	15250	0.633	ug/L	96
35) Methylcyclohexane	6.066	83	28138	0.665	ug/L #	21
37) 1,2-Dichloropropane	6.066	63	12310	0.567	ug/L #	85
39) cis-1,3-Dichloropropene	6.982	75	2798	0.092	ug/L #	75
45) 1,1,2-Trichloroethane	7.699	97	12582	0.886	ug/L #	18
51) Chlorobenzene	8.882	112	3583	0.057	ug/L	94
53) m,p-Xylene	9.136	106	6184	0.147	ug/L	81
54) o-Xylene	9.538	106	20043	0.501	ug/L	96
60) Isopropylbenzene	9.924	105	828706	8.037	ug/L	99
61) 1,2,3-Trichloropropane	9.921	75	8705	0.802	ug/L #	1

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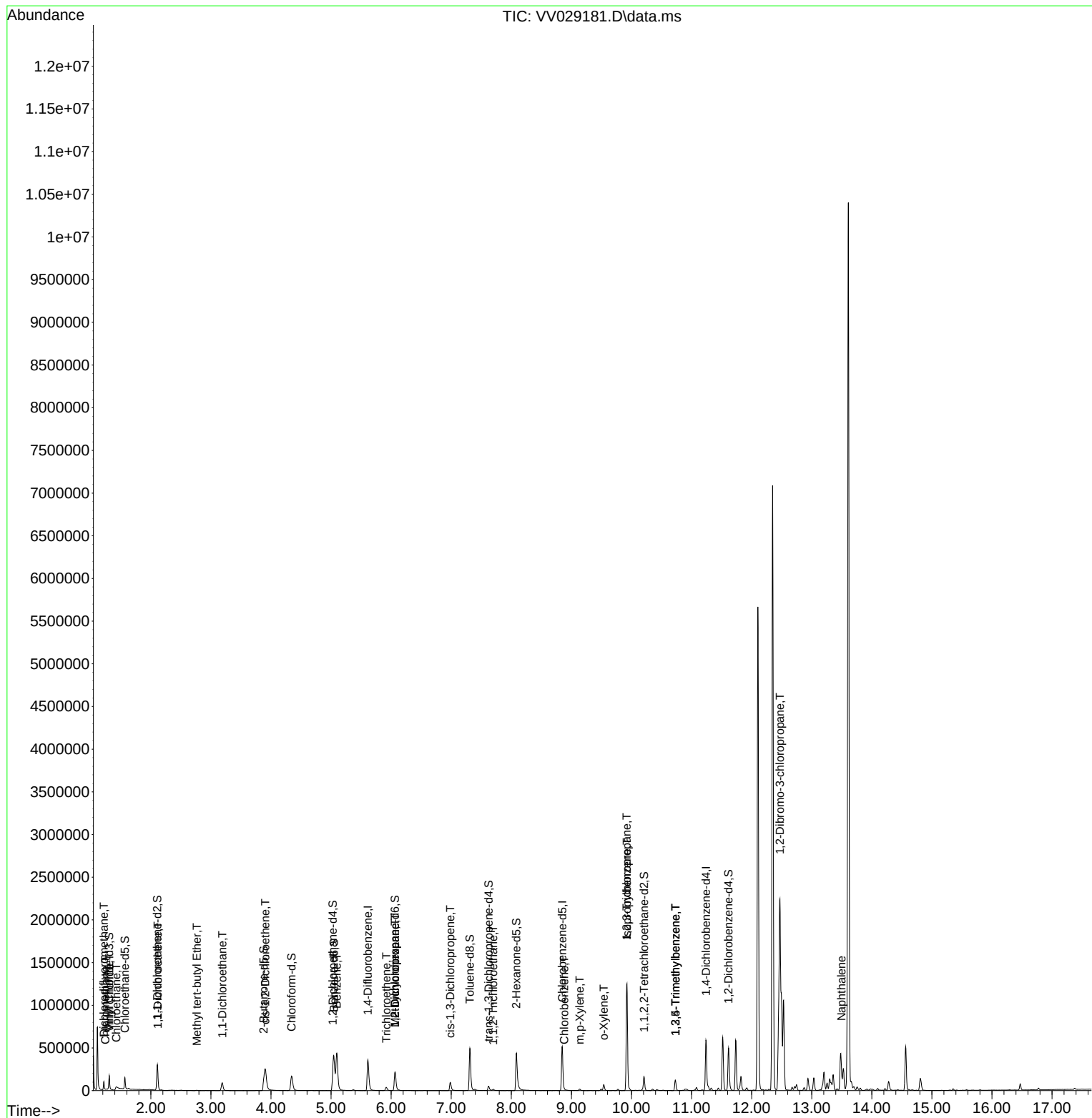
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 1,3,5-Trimethylbenzene	10.731	105	80530	0.922	ug/L #	72
63) 1,2,4-Trimethylbenzene	10.731	105	80530	0.920	ug/L #	75
68) 1,2-Dibromo-3-chloropr...	12.471	75	64604	30.246	ug/L #	2
71) Naphthalene	13.493	128	103665	2.842	ug/L #	93

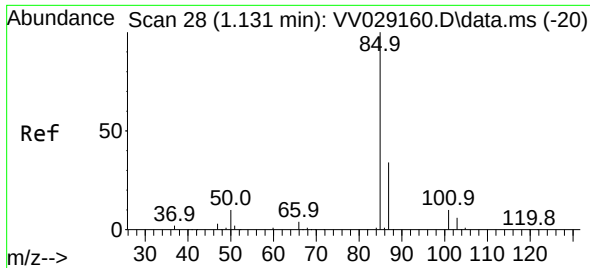
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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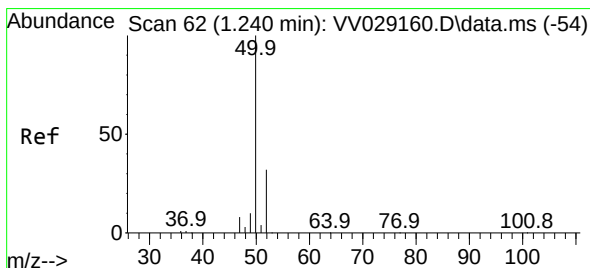
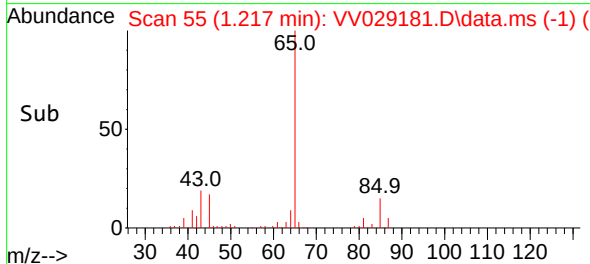
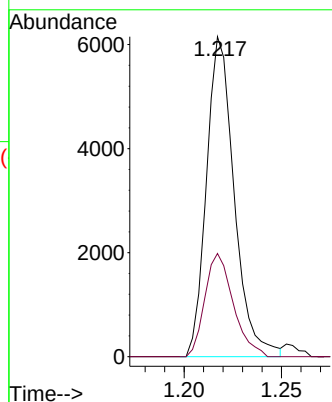
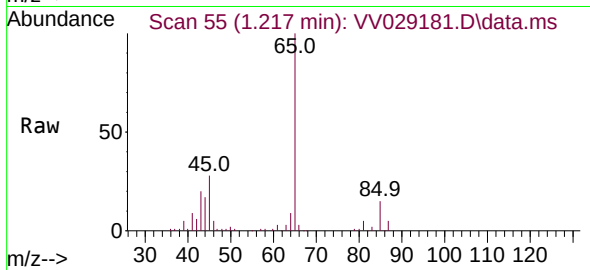




#2
 Dichlorodifluoromethane
 Concen: 0.218 ug/L
 RT: 1.217 min Scan# 51
 Delta R.T. 0.087 min
 Lab File: VV029181.D
 Acq: 19 Nov 2022 19:26

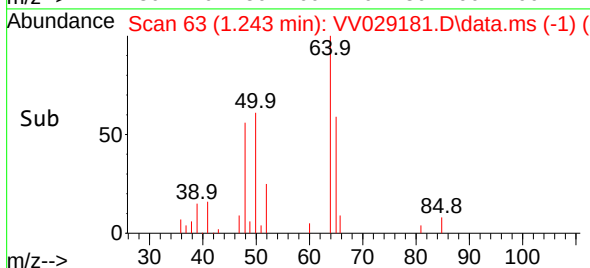
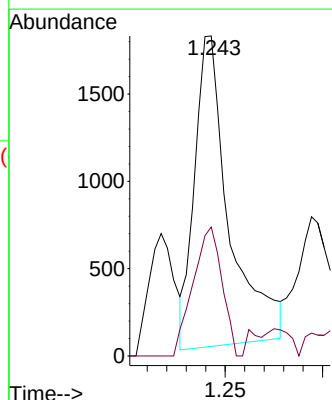
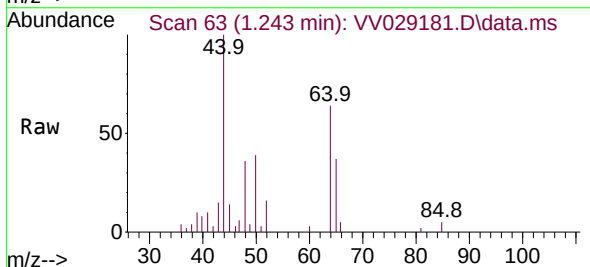
Instrument :
 MSVOA_V
 ClientSampleId :
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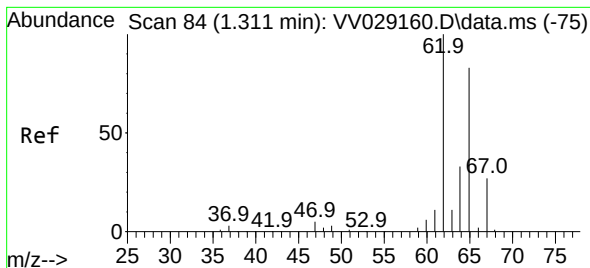
Tgt Ion: 85 Resp: 6106
 Ion Ratio Lower Upper
 85 100
 87 32.9 25.0 37.4



#3
 Chloromethane
 Concen: 0.095 ug/L
 RT: 1.243 min Scan# 63
 Delta R.T. 0.003 min
 Lab File: VV029181.D
 Acq: 19 Nov 2022 19:26

Tgt Ion: 50 Resp: 2205
 Ion Ratio Lower Upper
 50 100
 52 40.3 23.7 43.9





#5

Vinyl chloride

Concen: 0.046 ug/L

RT: 1.310 min Scan# 84

Delta R.T. -0.000 min

Lab File: VV029181.D

Acq: 19 Nov 2022 19:26

Instrument :

MSVOA_V

ClientSampleId :

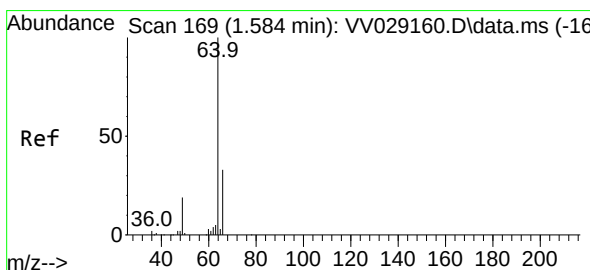
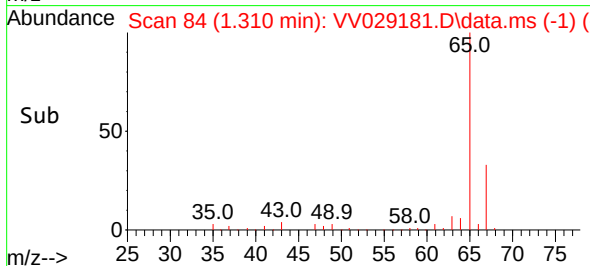
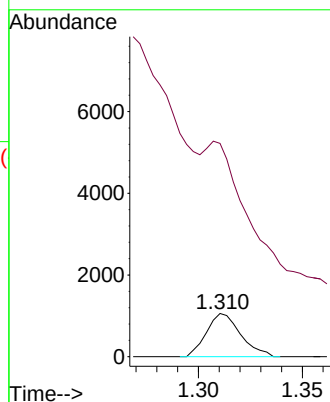
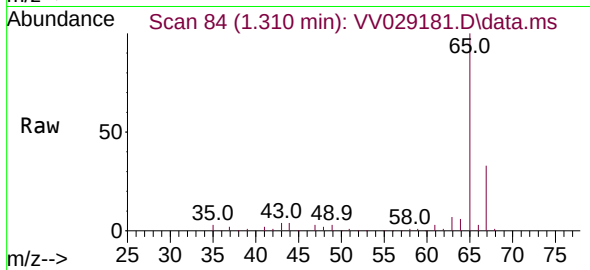
BHB43

Tgt Ion: 62 Resp: 1207

Ion Ratio Lower Upper

62 100

64 494.0 22.8 42.4#



#8

Chloroethane

Concen: 5.789 ug/L

RT: 1.426 min Scan# 120

Delta R.T. -0.158 min

Lab File: VV029181.D

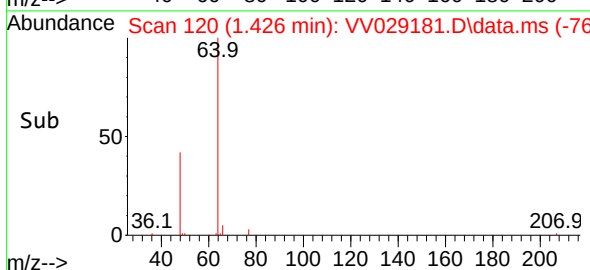
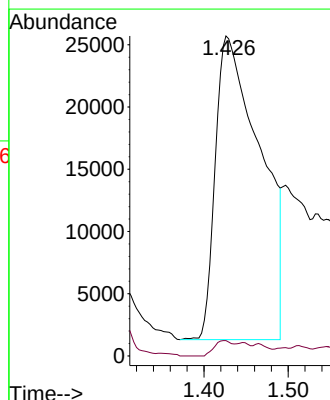
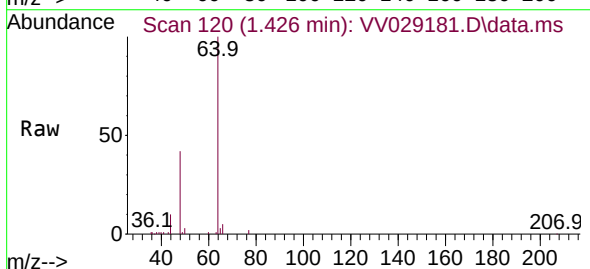
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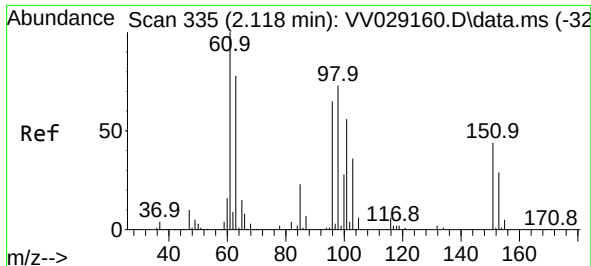
Tgt Ion: 64 Resp: 90120

Ion Ratio Lower Upper

64 100

66 4.8 22.0 40.8#

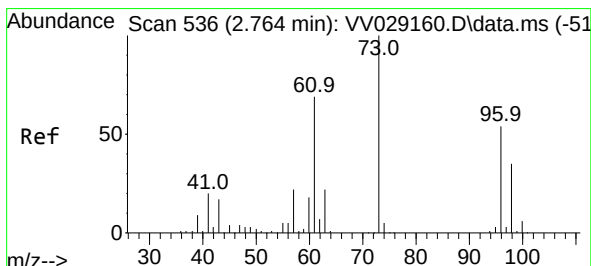
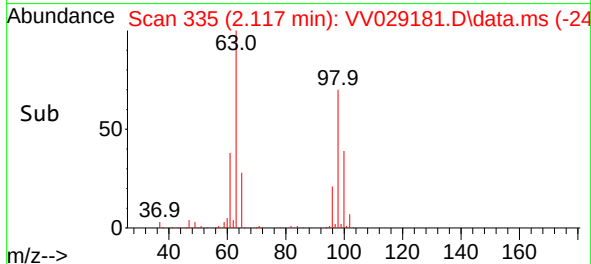
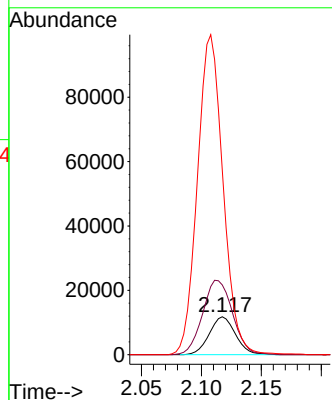
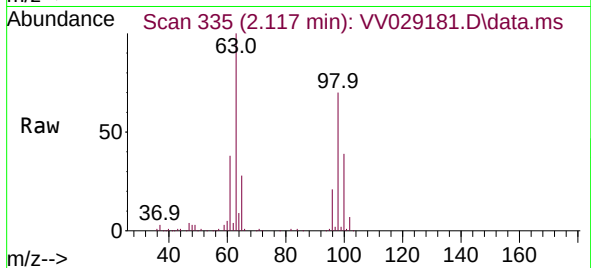




#12
 1,1-Dichloroethene
 Concen: 0.879 ug/L
 RT: 2.117 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV029181.D
 Acq: 19 Nov 2022 19:26

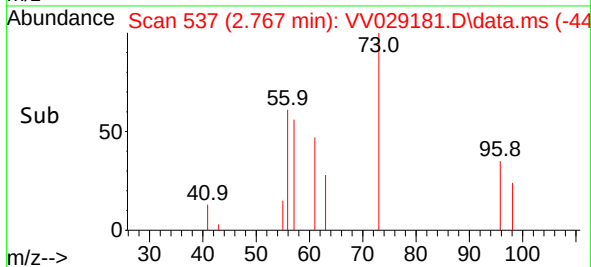
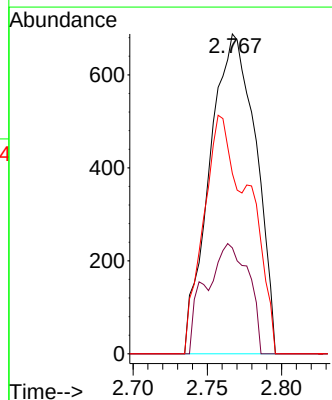
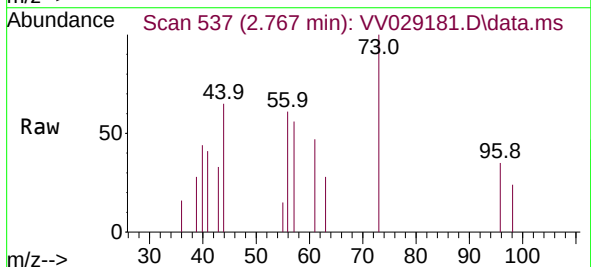
Instrument :
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 BHB43

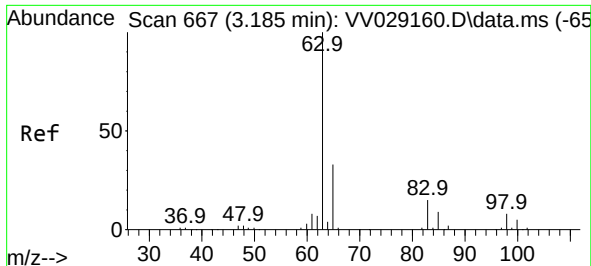
Tgt Ion: 96 Resp: 17860
 Ion Ratio Lower Upper
 96 100
 61 183.9 104.2 193.4
 63 486.7 75.9 140.9#



#17
 Methyl tert-butyl Ether
 Concen: 0.034 ug/L
 RT: 2.767 min Scan# 537
 Delta R.T. 0.003 min
 Lab File: VV029181.D
 Acq: 19 Nov 2022 19:26

Tgt Ion: 73 Resp: 1488
 Ion Ratio Lower Upper
 73 100
 43 31.7 13.0 19.4#
 57 53.7 16.6 24.8#





#19

1,1-Dichloroethane

Concen: 2.509 ug/L

RT: 3.188 min Scan# 667

Delta R.T. 0.003 min

Lab File: VV029181.D

Acq: 19 Nov 2022 19:26

Instrument :

MSVOA_V

ClientSampleId :

BHB43

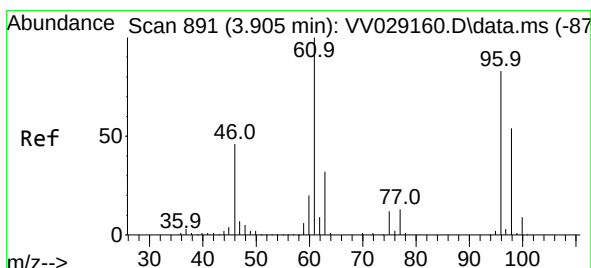
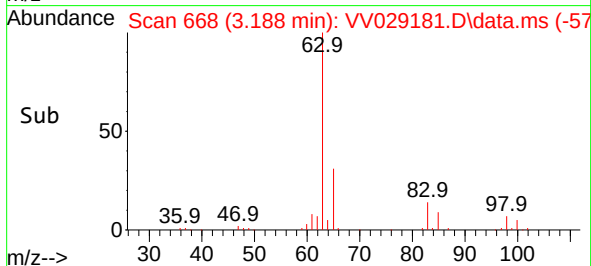
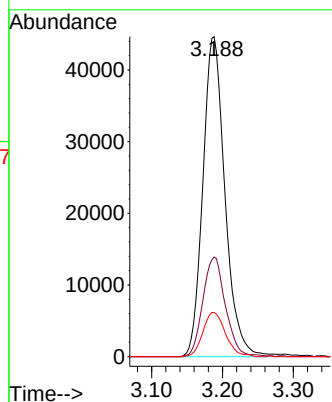
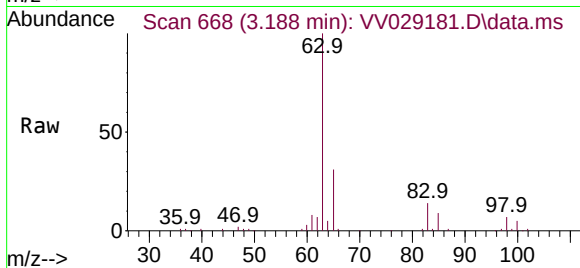
Tgt Ion: 63 Resp: 96658

Ion Ratio Lower Upper

63 100

65 31.2 23.0 42.6

83 13.8 9.4 17.6



#22

cis-1,2-Dichloroethene

Concen: 5.284 ug/L

RT: 3.905 min Scan# 891

Delta R.T. -0.000 min

Lab File: VV029181.D

Acq: 19 Nov 2022 19:26

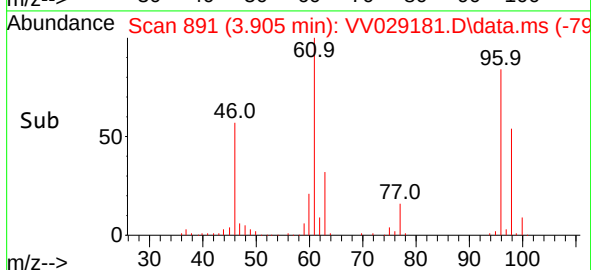
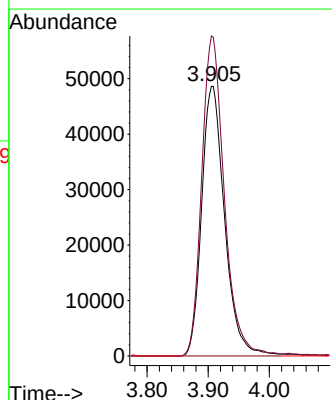
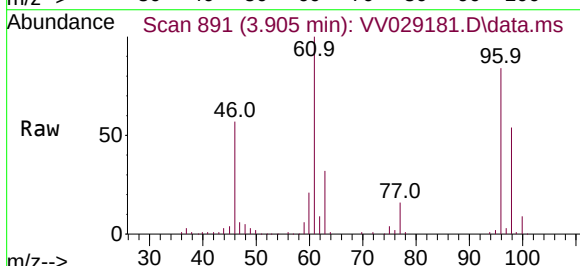
Tgt Ion: 96 Resp: 126607

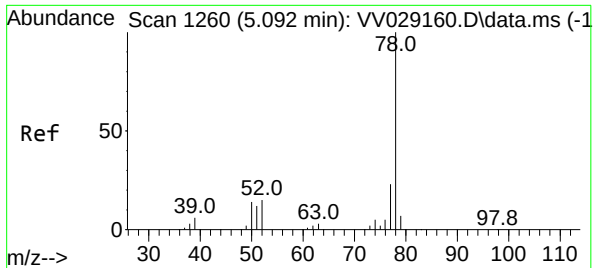
Ion Ratio Lower Upper

96 100

61 118.7 82.3 152.9

68 0.0 0.0 0.0

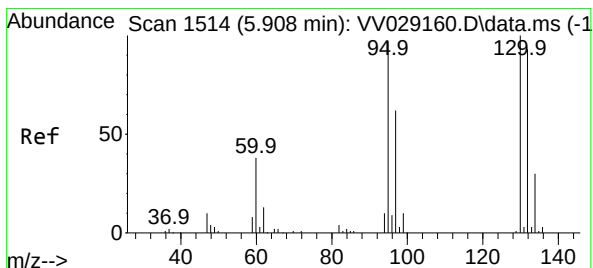
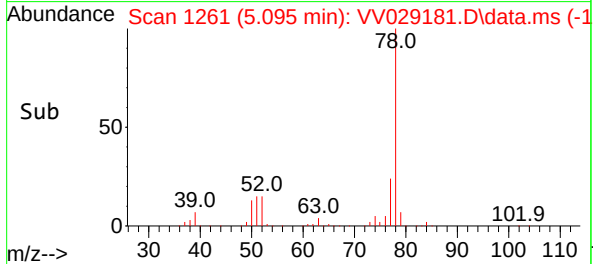
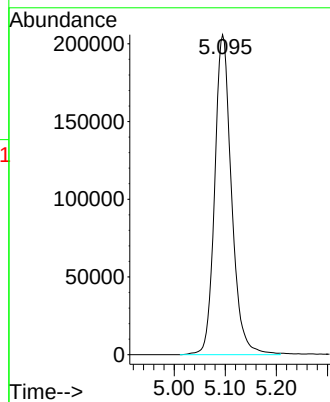
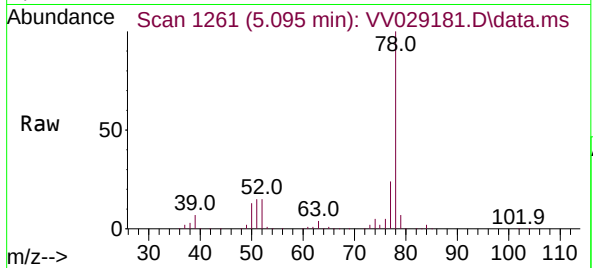




#33
Benzene
Concen: 5.010 ug/L
RT: 5.095 min Scan# 11
Delta R.T. 0.003 min
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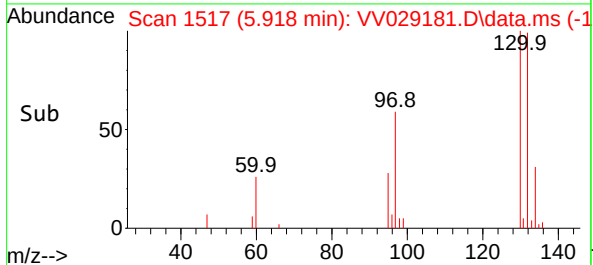
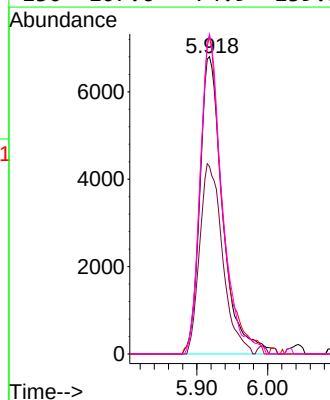
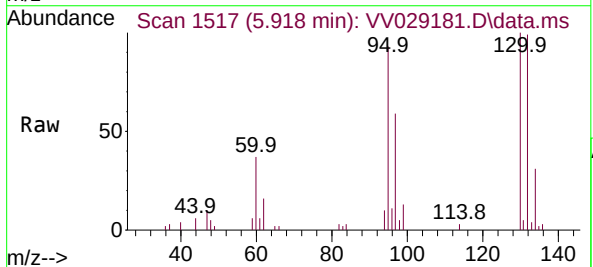
Tgt Ion: 78 Resp: 471305

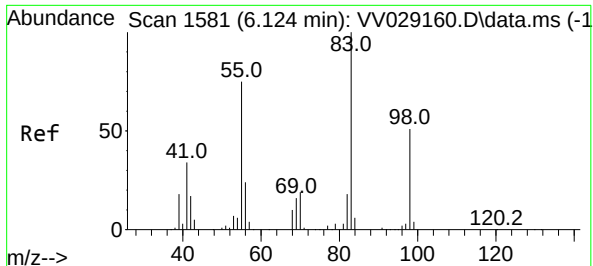


#34
Trichloroethene
Concen: 0.633 ug/L
RT: 5.918 min Scan# 1517
Delta R.T. 0.009 min
Lab File: VV029181.D
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Tgt Ion: 95 Resp: 15250

Ion	Ratio	Lower	Upper
95	100		
97	63.1	45.6	84.8
132	106.9	69.1	128.3
130	107.6	74.9	139.1





#35

Methylcyclohexane

Concen: 0.665 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.058 min

Lab File: VV029181.D

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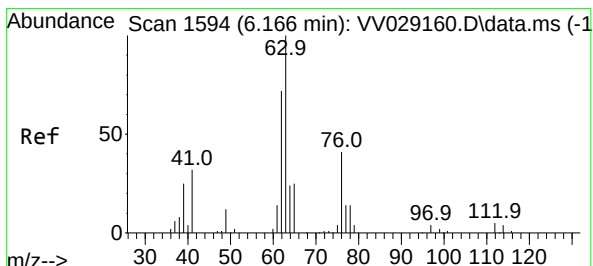
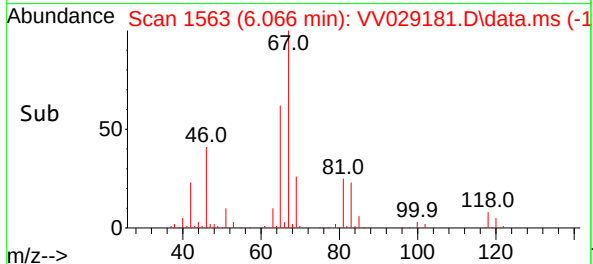
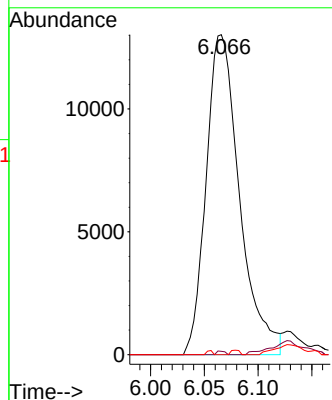
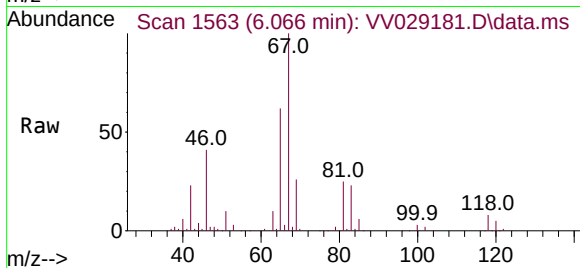
Tgt Ion: 83 Resp: 28138

Ion Ratio Lower Upper

83 100

55 0.3 55.8 83.6#

98 0.2 38.2 57.2#



#37

1,2-Dichloropropane

Concen: 0.567 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.100 min

Lab File: VV029181.D

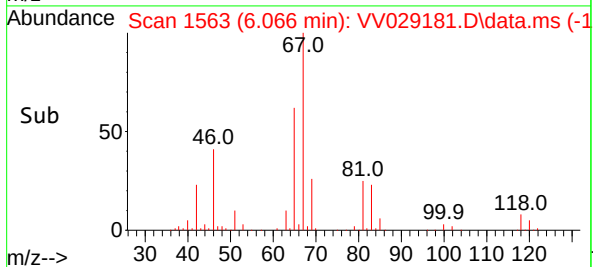
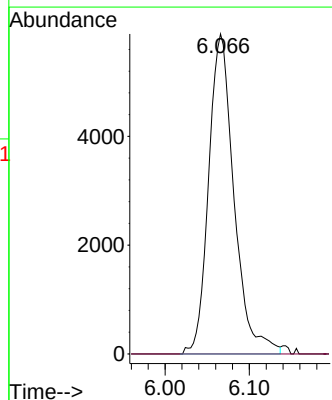
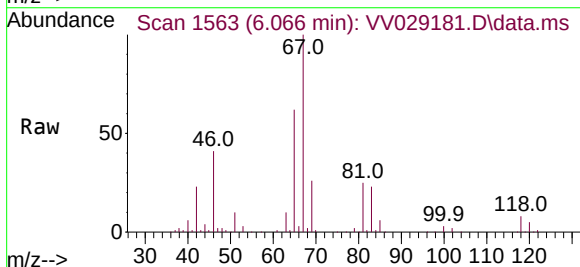
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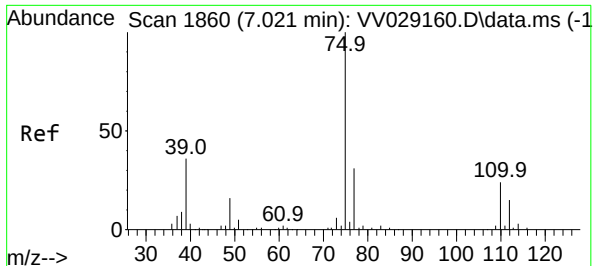
Tgt Ion: 63 Resp: 12310

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#

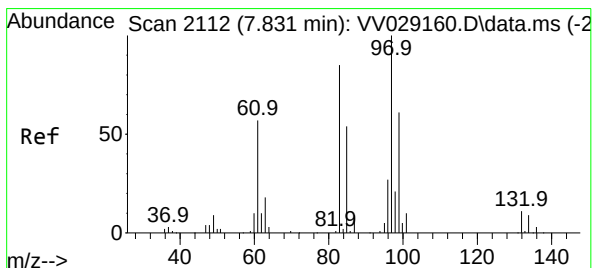
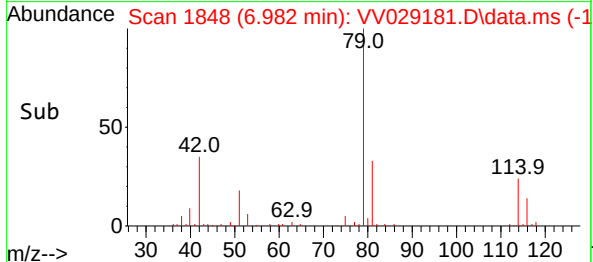
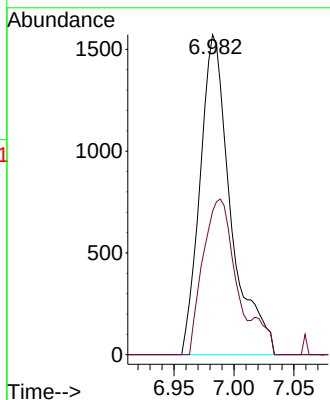
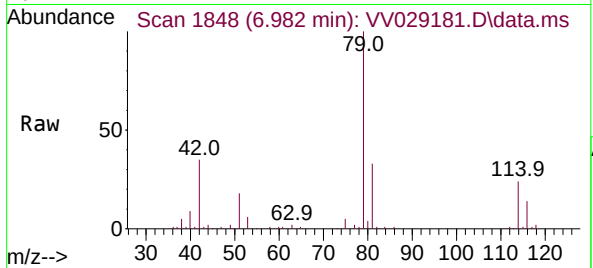




#39
 cis-1,3-Dichloropropene
 Concen: 0.092 ug/L
 RT: 6.982 min Scan# 11
 Delta R.T. -0.039 min
 Lab File: VV029181.D
 Acq: 19 Nov 2022 19:26

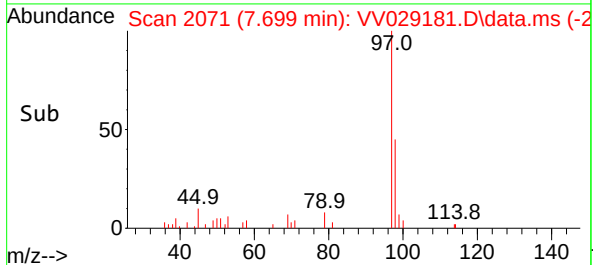
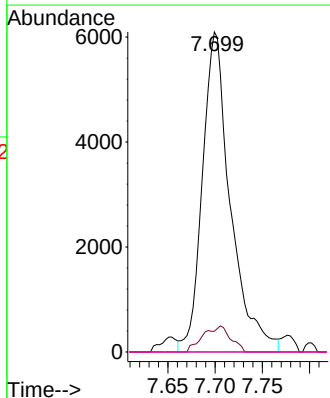
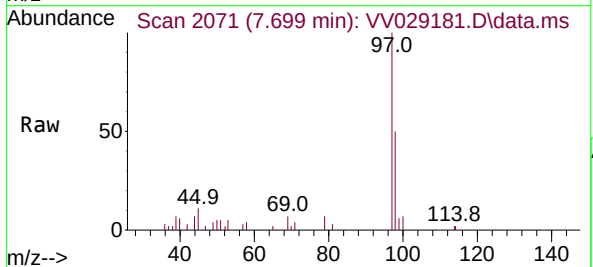
Instrument :
 MSVOA_V
 ClientSampleId :
 BHB43

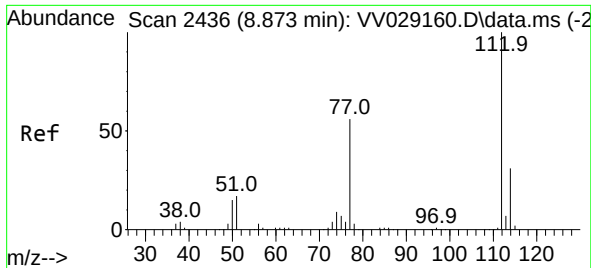
Tgt Ion: 75 Resp: 2798
 Ion Ratio Lower Upper
 75 100
 77 44.8 21.8 40.6#



#45
 1,1,2-Trichloroethane
 Concen: 0.886 ug/L
 RT: 7.699 min Scan# 2071
 Delta R.T. -0.132 min
 Lab File: VV029181.D
 Acq: 19 Nov 2022 19:26

Tgt Ion: 97 Resp: 12582
 Ion Ratio Lower Upper
 97 100
 99 6.4 41.5 77.1#
 83 0.0 60.0 111.4#
 85 0.0 37.4 69.4#

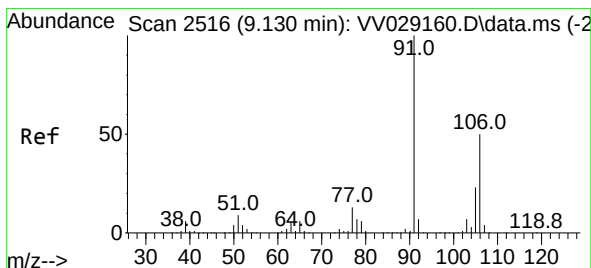
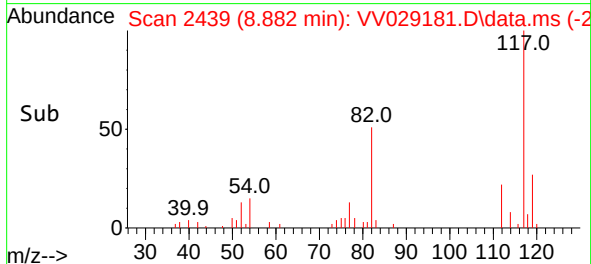
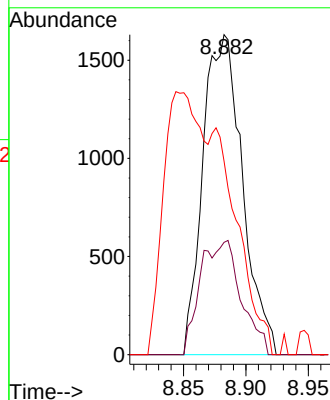
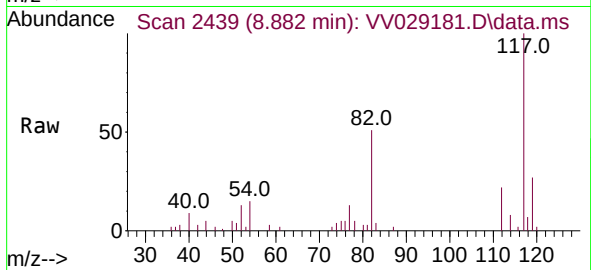




#51
Chlorobenzene
Concen: 0.057 ug/L
RT: 8.882 min Scan# 2436
Delta R.T. 0.009 min
Lab File: VV029181.D
Acq: 19 Nov 2022 19:26

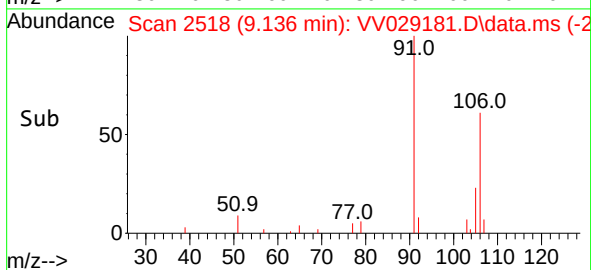
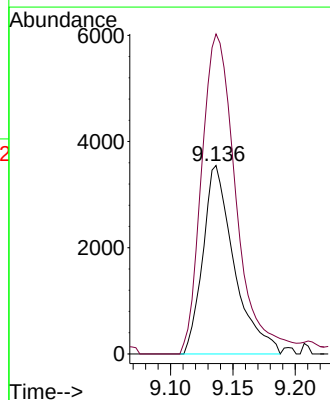
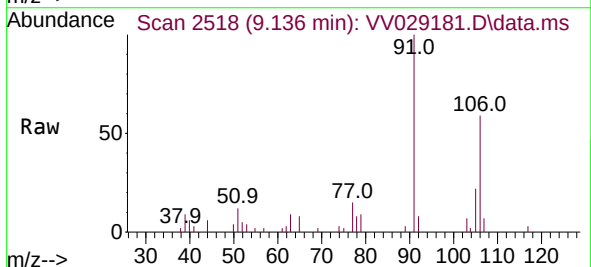
Instrument :
MSVOA_V
ClientSampleId :
BHB43

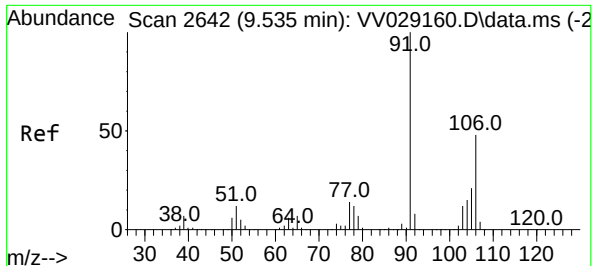
Tgt Ion:112 Resp: 3583
Ion Ratio Lower Upper
112 100
114 35.1 22.4 41.6
77 60.5 44.4 66.6



#53
m,p-Xylene
Concen: 0.147 ug/L
RT: 9.136 min Scan# 2518
Delta R.T. 0.006 min
Lab File: VV029181.D
Acq: 19 Nov 2022 19:26

Tgt Ion:106 Resp: 6184
Ion Ratio Lower Upper
106 100
91 169.8 139.1 258.3

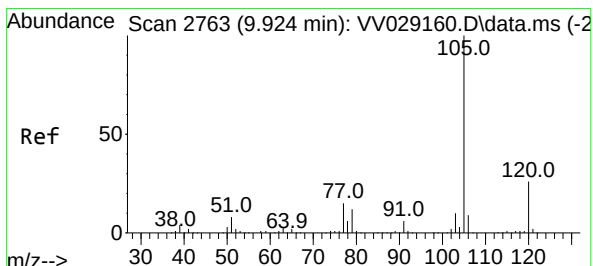
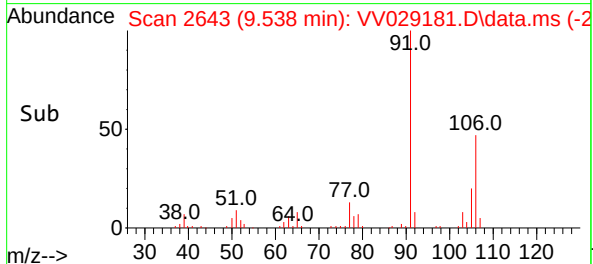
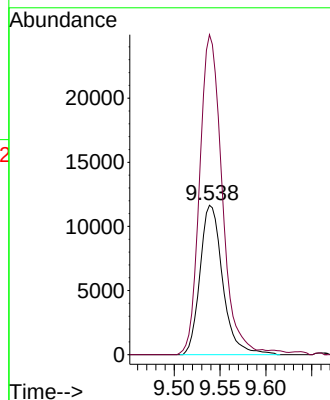
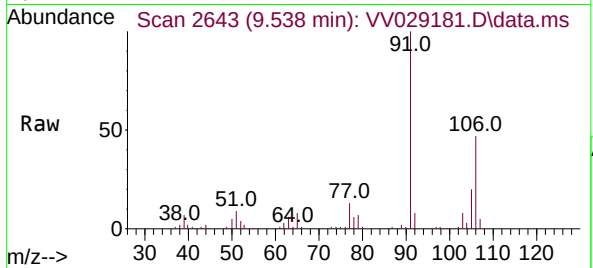




#54
o-Xylene
Concen: 0.501 ug/L
RT: 9.538 min Scan# 20
Delta R.T. 0.003 min
Lab File: VV029181.D
Acq: 19 Nov 2022 19:26

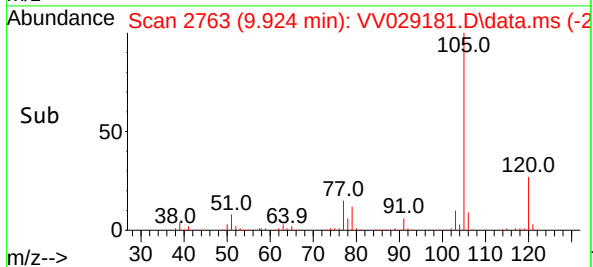
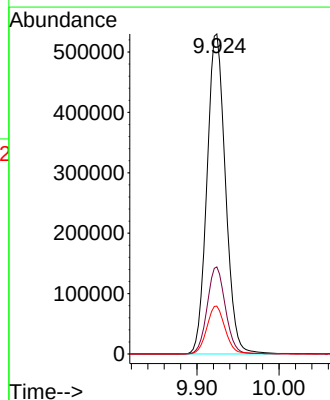
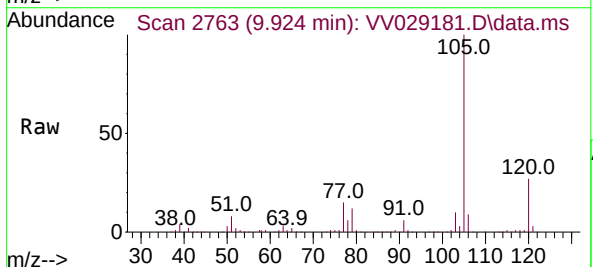
Instrument :
MSVOA_V
ClientSampleId :
BHB43

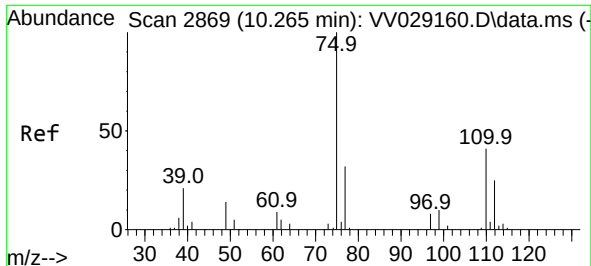
Tgt Ion:106 Resp: 20043
Ion Ratio Lower Upper
106 100
91 214.0 145.7 270.7



#60
Isopropylbenzene
Concen: 8.037 ug/L
RT: 9.924 min Scan# 2763
Delta R.T. -0.000 min
Lab File: VV029181.D
Acq: 19 Nov 2022 19:26

Tgt Ion:105 Resp: 828706
Ion Ratio Lower Upper
105 100
120 26.9 21.3 31.9
77 14.9 11.8 17.8





#61

1,2,3-Trichloropropane

Concen: 0.802 ug/L

RT: 9.921 min Scan# 21

Delta R.T. -0.344 min

Lab File: VV029181.D

Acq: 19 Nov 2022 19:26

Instrument :

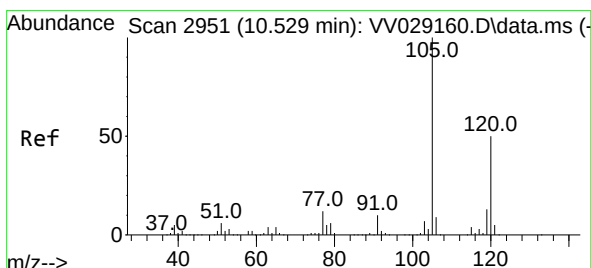
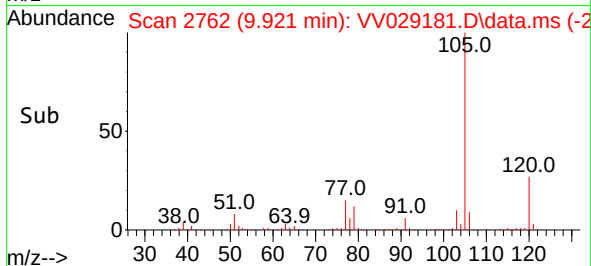
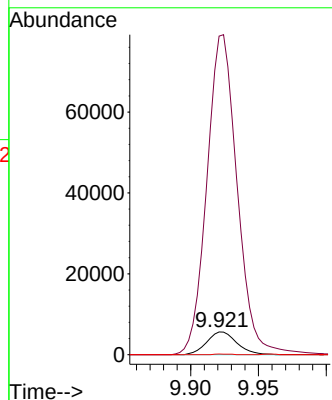
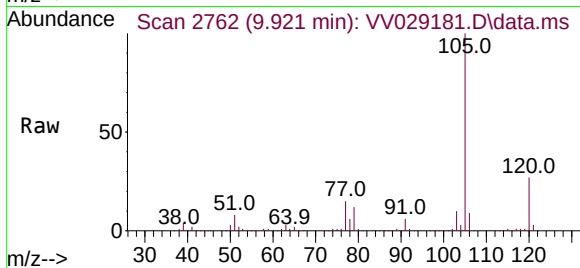
MSVOA_V

ClientSampleId :

BHB43

Tgt Ion: 75 Resp: 8705

Ion	Ratio	Lower	Upper
75	100		
77	1419.8	26.2	39.2#
110	1.5	32.6	48.8#



#62

1,3,5-Trimethylbenzene

Concen: 0.922 ug/L

RT: 10.731 min Scan# 3014

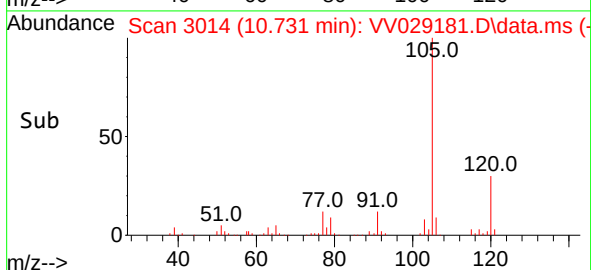
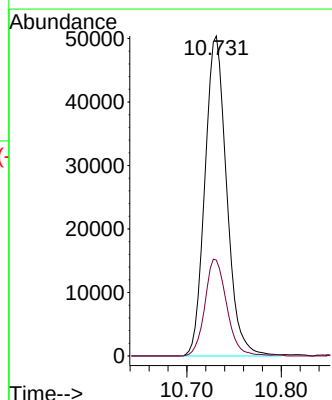
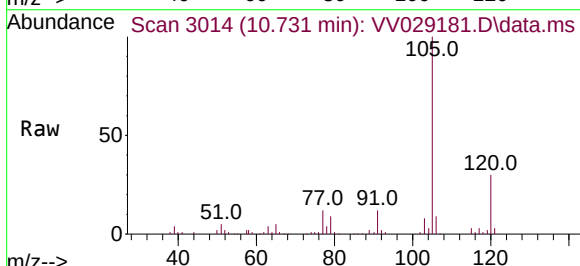
Delta R.T. 0.202 min

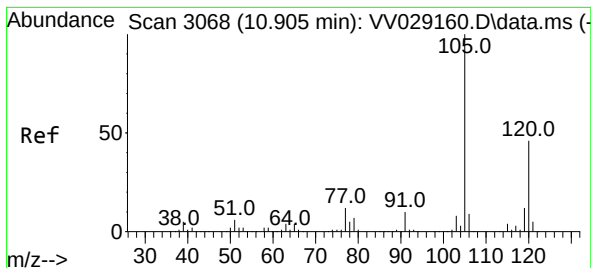
Lab File: VV029181.D

Acq: 19 Nov 2022 19:26

Tgt Ion: 105 Resp: 80530

Ion	Ratio	Lower	Upper
105	100		
120	30.3	39.9	59.9#





#63

1,2,4-Trimethylbenzene

Concen: 0.920 ug/L

RT: 10.731 min Scan# 3068

Delta R.T. -0.174 min

Lab File: VV029181.D

Acq: 19 Nov 2022 19:26

Instrument :

MSVOA_V

ClientSampleId :

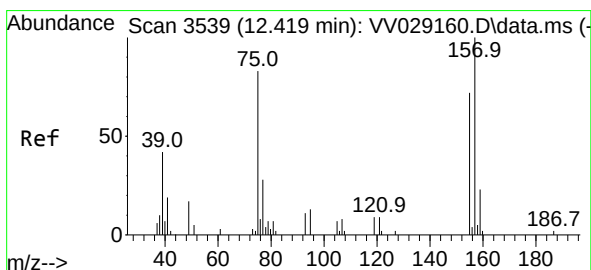
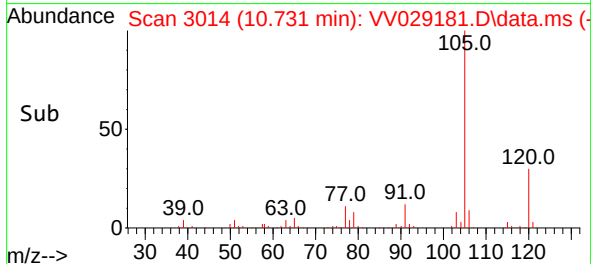
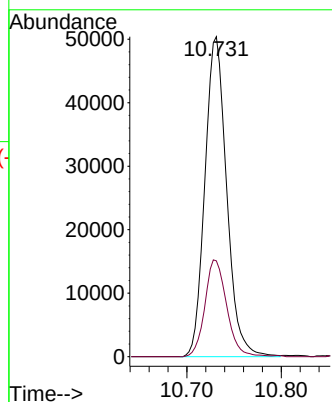
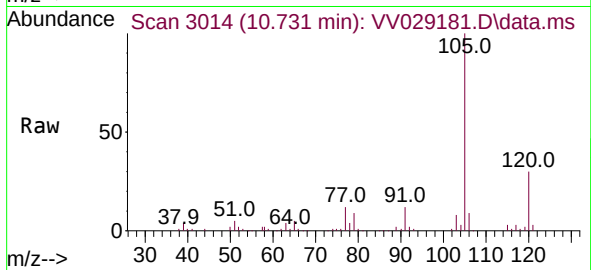
BHB43

Tgt Ion:105 Resp: 80530

Ion Ratio Lower Upper

105 100

120 30.3 37.8 56.8#



#68

1,2-Dibromo-3-chloropropane

Concen: 30.246 ug/L

RT: 12.471 min Scan# 3555

Delta R.T. 0.051 min

Lab File: VV029181.D

Acq: 19 Nov 2022 19:26

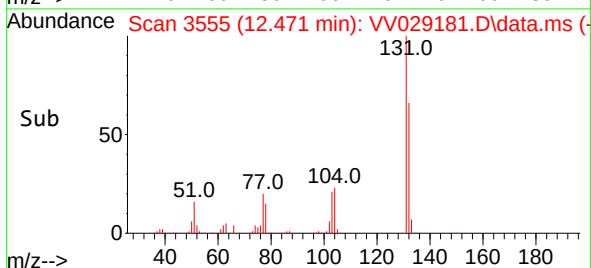
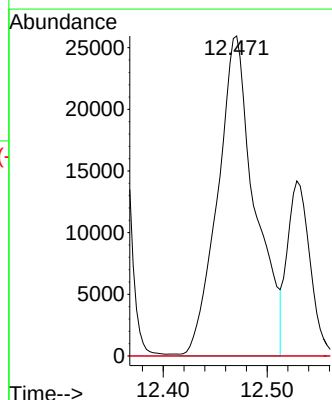
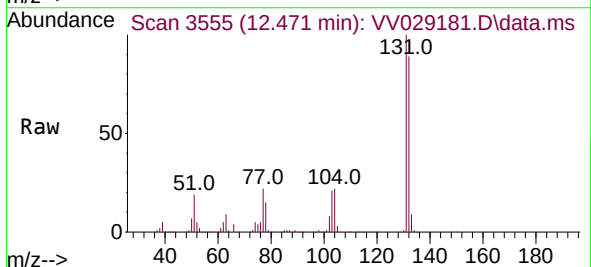
Tgt Ion: 75 Resp: 64604

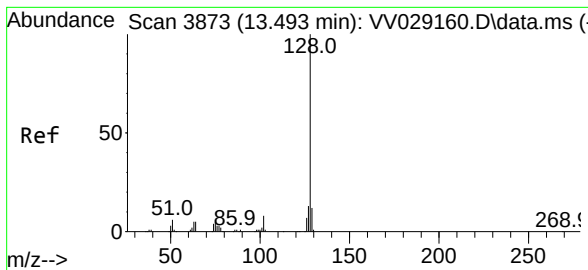
Ion Ratio Lower Upper

75 100

155 0.0 64.8 97.2#

157 0.0 86.3 129.5#





#71
Naphthalene
Concen: 2.842 ug/L
RT: 13.493 min Scan# 3873
Delta R.T. -0.000 min
Lab File: VV029181.D
Acq: 19 Nov 2022 19:26

Instrument :
MSVOA_V
ClientSampleId :
BHB43

Tgt Ion:128 Resp: 103665
Ion Ratio Lower Upper
128 100
129 13.6 8.8 13.2#
127 14.9 9.8 14.8#

