

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112522\
 Data File : VW029353.D
 Acq On : 25 Nov 2022 14:09
 Operator : SY/MD
 Sample : N5725-15DL 4X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHB68DL

Quant Time: Nov 25 21:31:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 25 21:27:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	313092	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	277602	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	149339	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	90635	4.704	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.000%
7) Chloroethane-d5	1.565	69	67947	4.817	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.400%
11) 1,1-Dichloroethene-d2	2.105	63	114377	3.710	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.200%
20) 2-Butanone-d5	3.886	46	175967	54.593	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.180%
24) Chloroform-d	4.343	84	161101	4.684	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.600%
26) 1,2-Dichloroethane-d4	5.027	65	76609	5.063	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.200%
32) Benzene-d6	5.047	84	357344	4.658	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.200%
36) 1,2-Dichloropropane-d6	6.063	67	106078	4.920	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.400%
41) Toluene-d8	7.310	98	333855	4.610	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.200%
43) trans-1,3-Dichloroprop...	7.616	79	37972	4.568	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.400%
46) 2-Hexanone-d5	8.085	63	141723	47.834	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.660%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	70077	5.268	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.400%
66) 1,2-Dichlorobenzene-d4	11.612	152	126701	4.857	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.217	85	3740	0.160	ug/L	99
3) Chloromethane	1.243	50	6926	0.324	ug/L	97
12) 1,1-Dichloroethene	2.118	96	13171	0.818	ug/L #	1
14) Carbon disulfide	2.294	76	3542	0.076	ug/L #	85
16) Methylene chloride	2.503	84	12827	0.521	ug/L	96
17) Methyl tert-butyl Ether	2.770	73	1201	0.029	ug/L #	86
18) trans-1,2-Dichloroethene	2.761	96	1456	0.079	ug/L	93
19) 1,1-Dichloroethane	3.185	63	81657	2.456	ug/L	98
22) cis-1,2-Dichloroethene	3.905	96	145559	6.887	ug/L	99
27) 1,2-Dichloroethane	5.130	62	2768	0.147	ug/L #	72
29) 1,1,1-Trichloroethane	4.613	97	1454	0.046	ug/L #	91
33) Benzene	5.095	78	225521	2.716	ug/L	100
34) Trichloroethene	5.908	95	55487	2.620	ug/L	95
37) 1,2-Dichloropropane	6.063	63	11012	0.563	ug/L #	85
39) cis-1,3-Dichloropropene	6.982	75	2719	0.095	ug/L #	62
42) Toluene	7.388	91	23746	0.266	ug/L	93
52) Ethylbenzene	9.008	91	7233	0.078	ug/L	99
53) m,p-Xylene	9.133	106	21883	0.597	ug/L	98
54) o-Xylene	9.535	106	71422	1.984	ug/L	99

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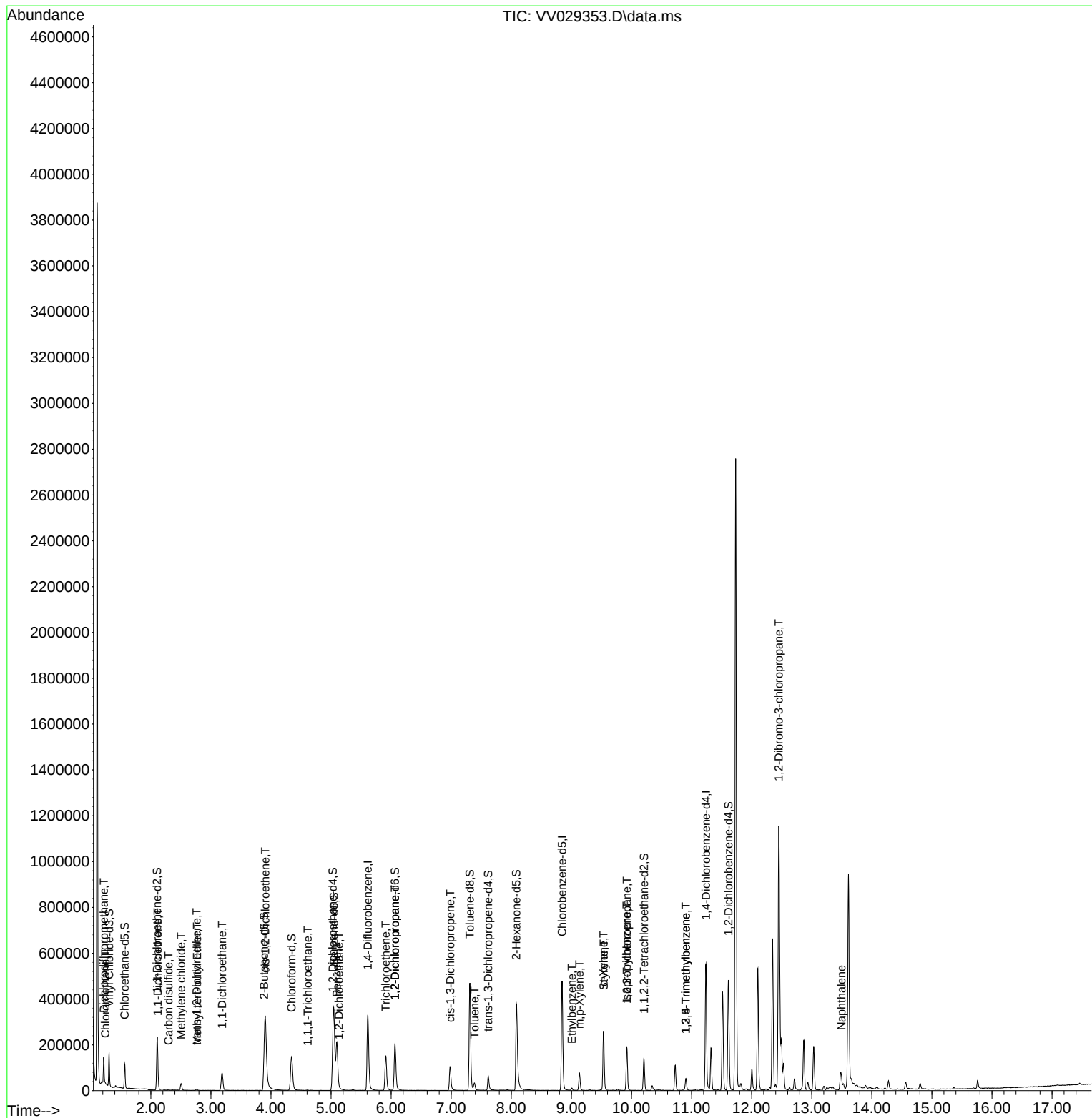
55) Styrene	9.539	104	4175	0.069	ug/L #	1
60) Isopropylbenzene	9.921	105	124733	1.292	ug/L	98
61) 1,2,3-Trichloropropane	9.924	75	1420	0.137	ug/L #	1
62) 1,3,5-Trimethylbenzene	10.905	105	28874	0.345	ug/L	96
63) 1,2,4-Trimethylbenzene	10.905	105	28874	0.343	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.452	75	22942	11.279	ug/L #	1
71) Naphthalene	13.493	128	38149	1.465	ug/L	99

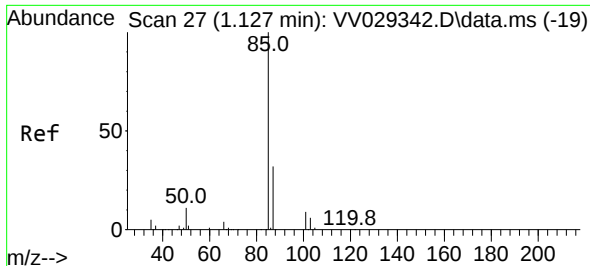
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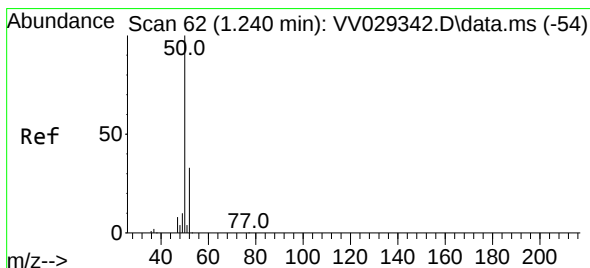
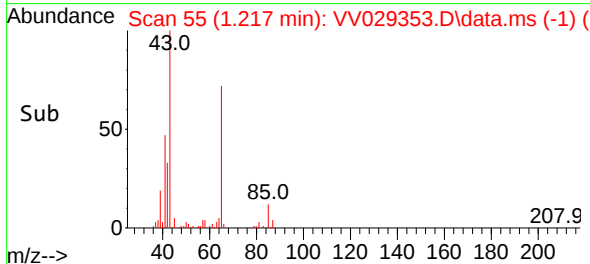
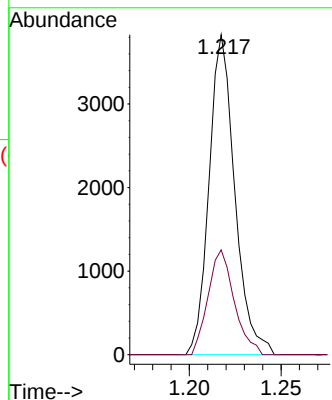
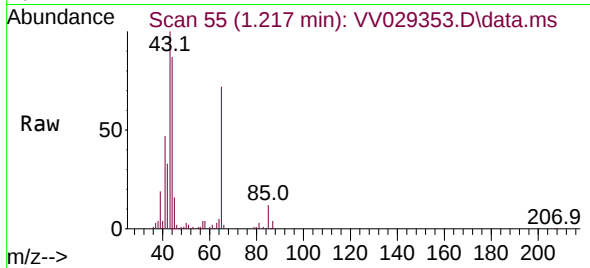




#2
 Dichlorodifluoromethane
 Concen: 0.160 ug/L
 RT: 1.217 min Scan# 51
 Delta R.T. 0.090 min
 Lab File: VV029353.D
 Acq: 25 Nov 2022 14:09

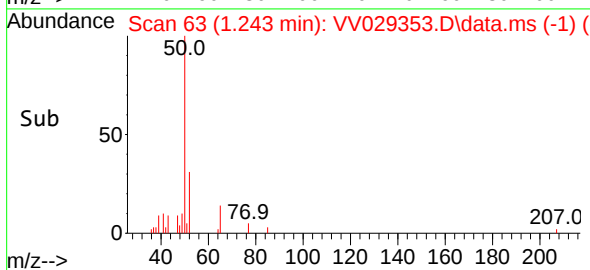
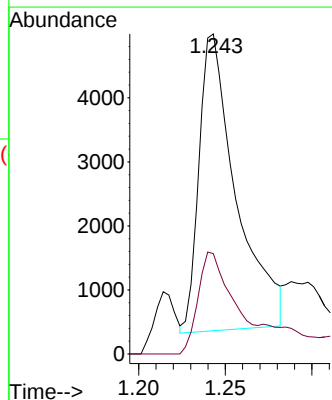
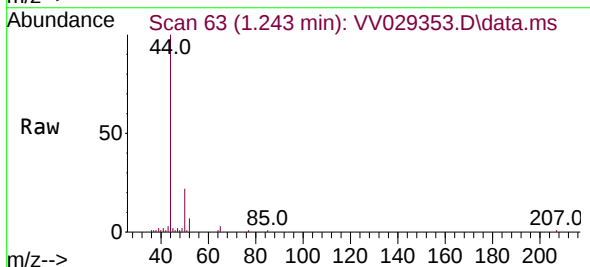
Instrument :
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 ClientSampleId :
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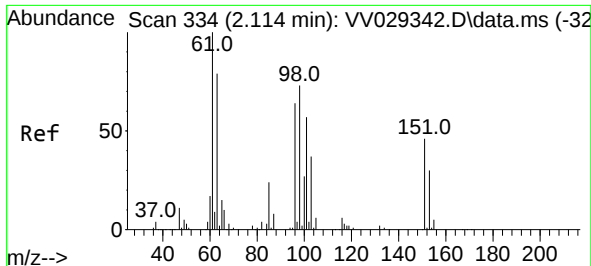
Tgt Ion: 85 Resp: 3740
 Ion Ratio Lower Upper
 85 100
 87 33.3 26.2 39.4



#3
 Chloromethane
 Concen: 0.324 ug/L
 RT: 1.243 min Scan# 63
 Delta R.T. 0.003 min
 Lab File: VV029353.D
 Acq: 25 Nov 2022 14:09

Tgt Ion: 50 Resp: 6926
 Ion Ratio Lower Upper
 50 100
 52 31.3 23.2 43.2





#12

1,1-Dichloroethene

Concen: 0.818 ug/L

RT: 2.118 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV029353.D

Acq: 25 Nov 2022 14:09

Instrument :

MSVOA_V

ClientSampleId :

BHB68DL

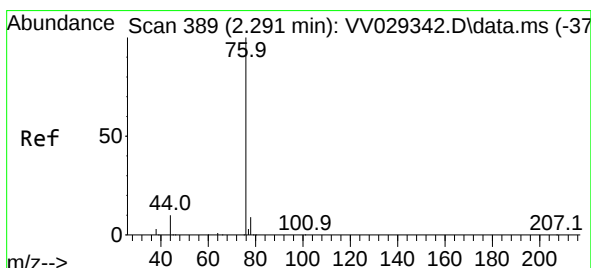
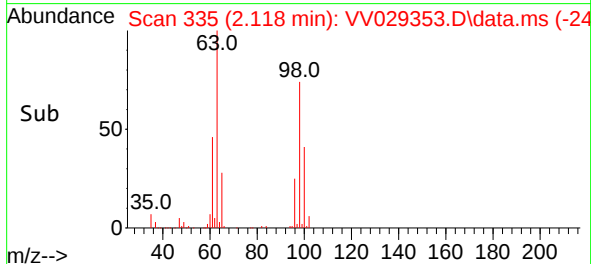
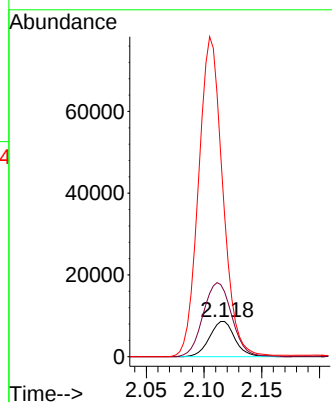
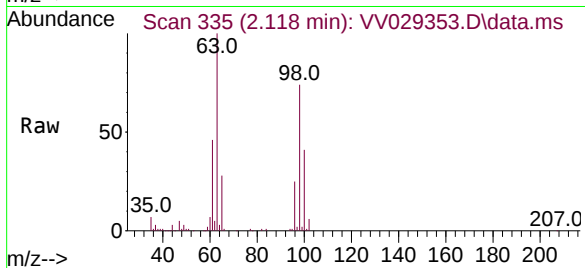
Tgt Ion: 96 Resp: 13171

Ion Ratio Lower Upper

96 100

61 184.9 110.3 204.9

63 405.9 84.4 156.8#



#14

Carbon disulfide

Concen: 0.076 ug/L

RT: 2.294 min Scan# 390

Delta R.T. 0.003 min

Lab File: VV029353.D

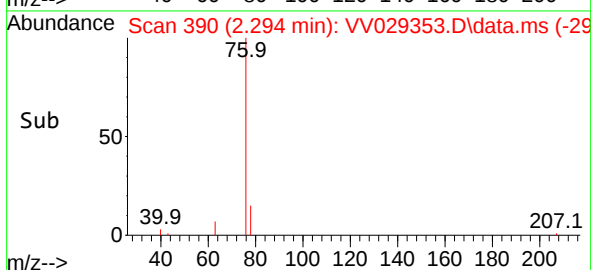
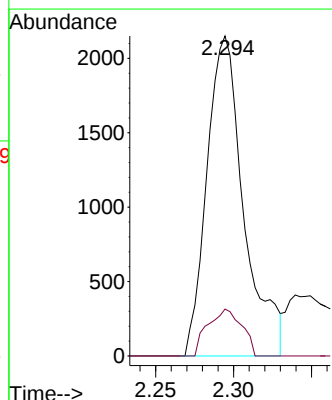
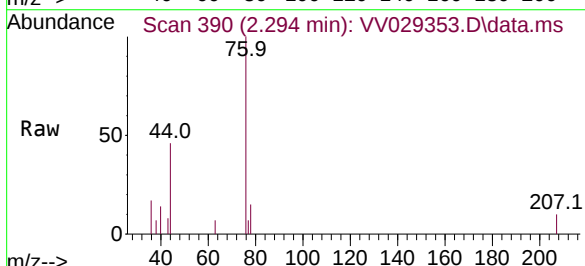
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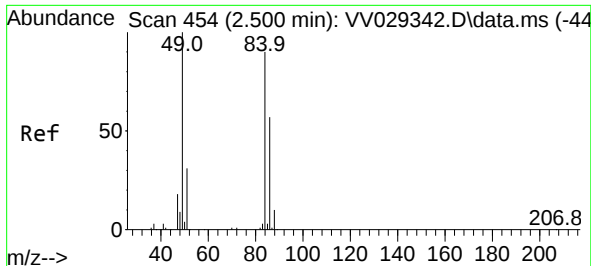
Tgt Ion: 76 Resp: 3542

Ion Ratio Lower Upper

76 100

78 14.7 7.4 11.2#

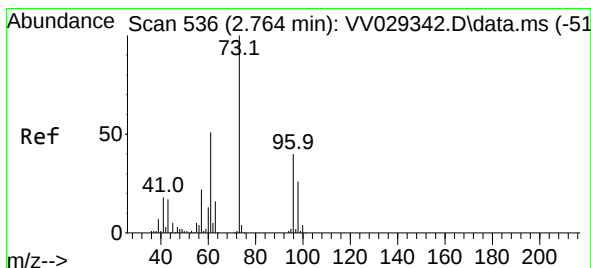
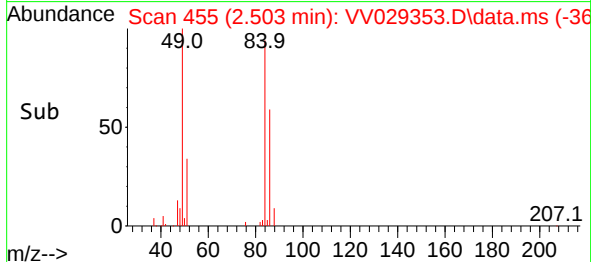
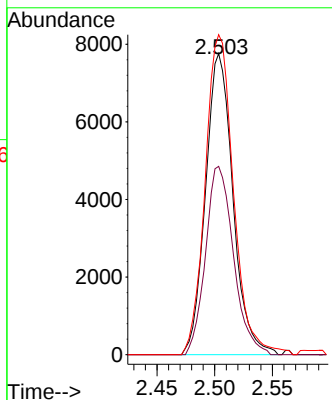
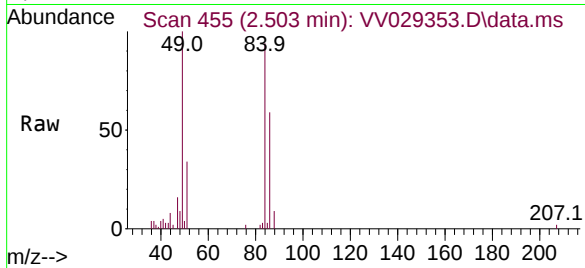




#16
Methylene chloride
Concen: 0.521 ug/L
RT: 2.503 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV029353.D
Acq: 25 Nov 2022 14:09

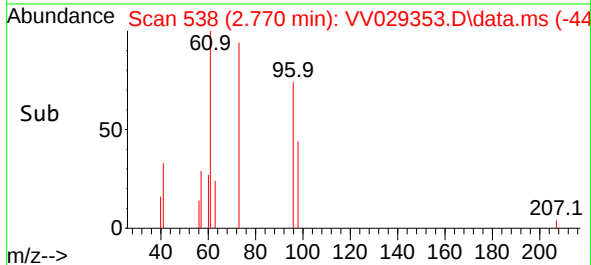
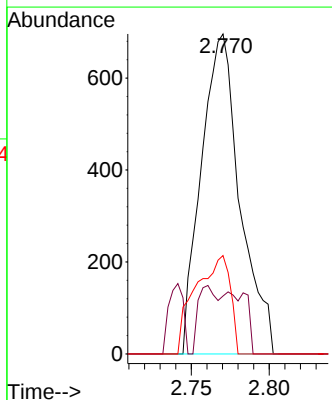
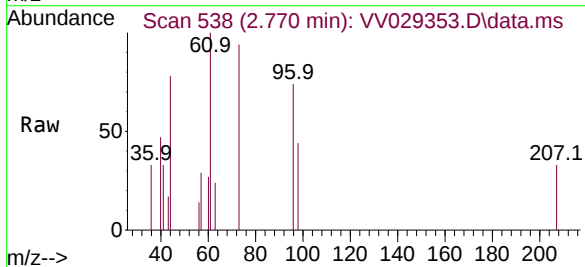
Instrument :
MSVOA_V
ClientSampleId :
BHB68DL

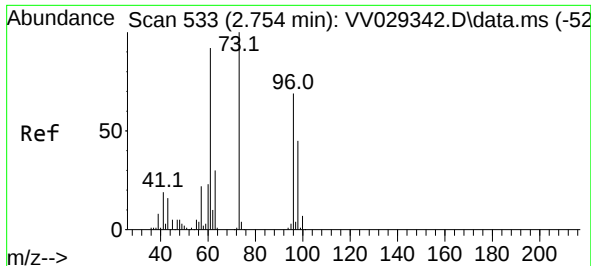
Tgt Ion: 84 Resp: 12827
Ion Ratio Lower Upper
84 100
86 62.5 45.6 84.6
49 106.2 77.8 144.4



#17
Methyl tert-butyl Ether
Concen: 0.029 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.007 min
Lab File: VV029353.D
Acq: 25 Nov 2022 14:09

Tgt Ion: 73 Resp: 1201
Ion Ratio Lower Upper
73 100
43 10.5 13.2 19.8#
57 27.6 16.9 25.3#

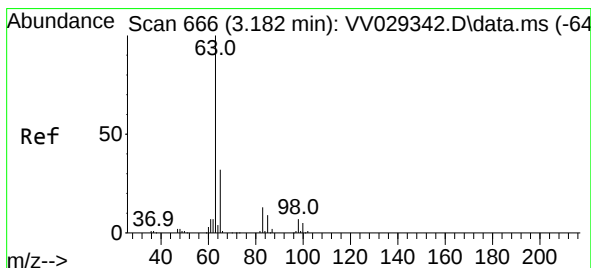
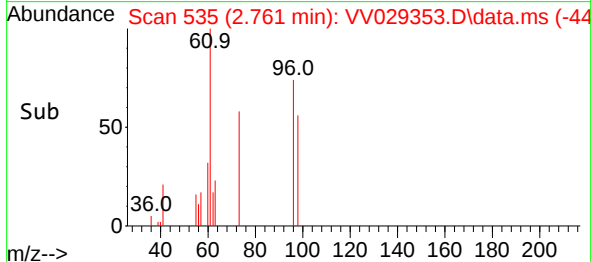
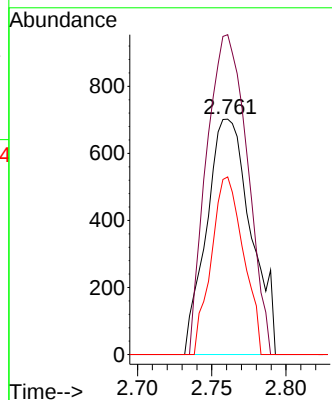
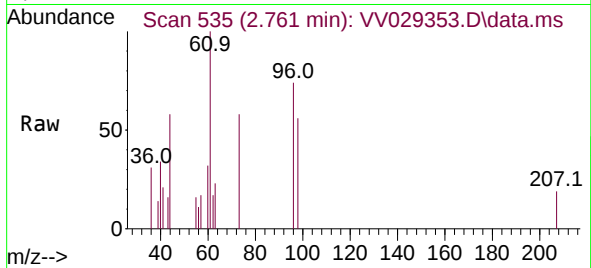




#18
trans-1,2-Dichloroethene
Concen: 0.079 ug/L
RT: 2.761 min Scan# 51
Delta R.T. 0.007 min
Lab File: VV029353.D
Acq: 25 Nov 2022 14:09

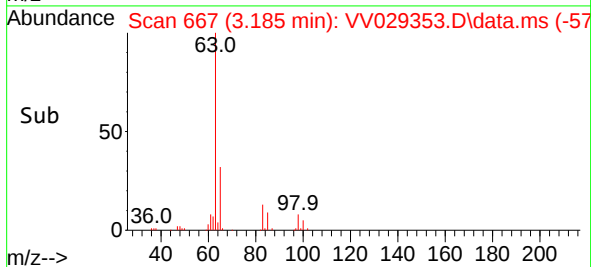
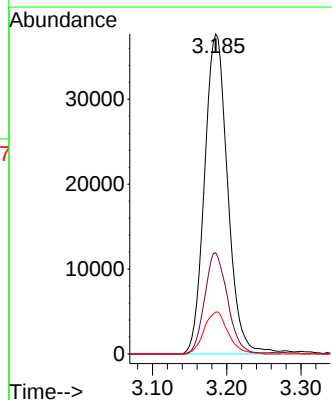
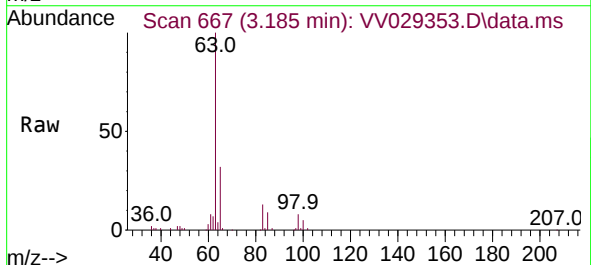
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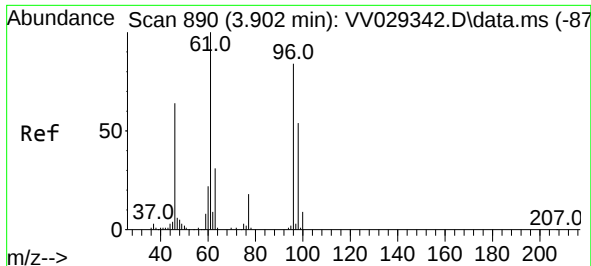
Tgt Ion: 96 Resp: 1456
Ion Ratio Lower Upper
96 100
61 135.9 93.0 172.6
98 75.5 44.0 81.8



#19
1,1-Dichloroethane
Concen: 2.456 ug/L
RT: 3.185 min Scan# 667
Delta R.T. 0.003 min
Lab File: VV029353.D
Acq: 25 Nov 2022 14:09

Tgt Ion: 63 Resp: 81657
Ion Ratio Lower Upper
63 100
65 31.7 21.6 40.2
83 13.1 10.3 19.1

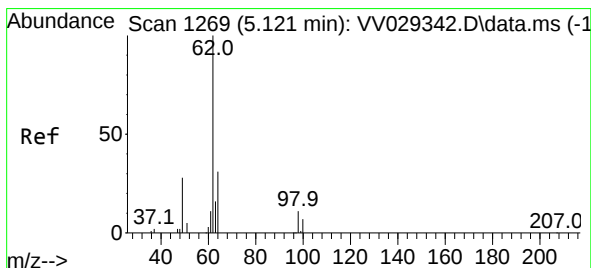
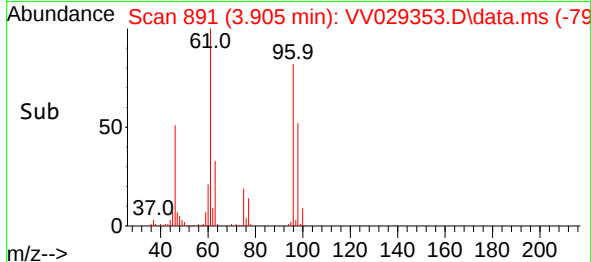
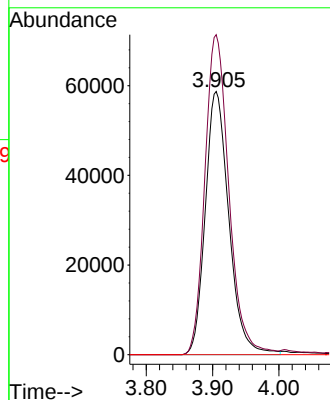
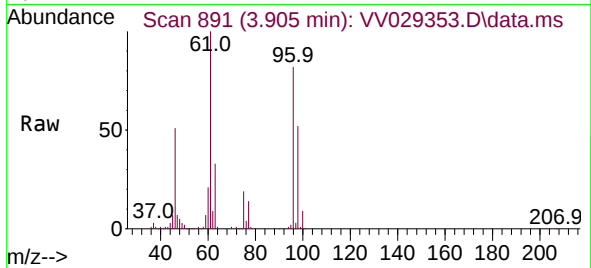




#22
 cis-1,2-Dichloroethene
 Concen: 6.887 ug/L
 RT: 3.905 min Scan# 891
 Delta R.T. 0.003 min
 Lab File: VV029353.D
 Acq: 25 Nov 2022 14:09

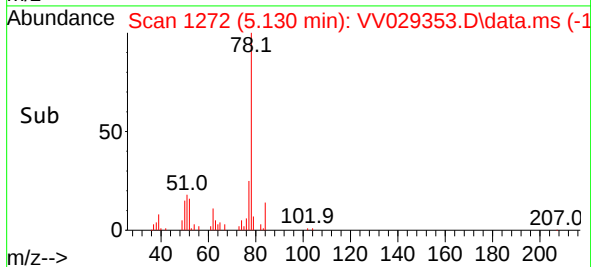
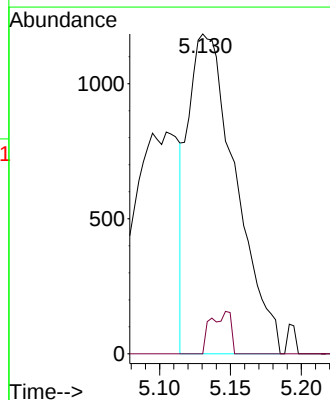
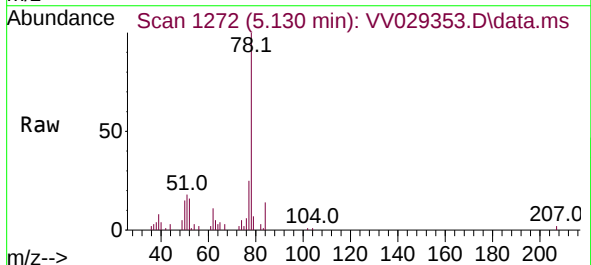
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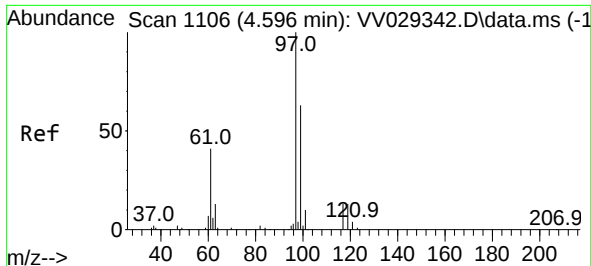
Tgt Ion: 96 Resp: 145559
 Ion Ratio Lower Upper
 96 100
 61 121.6 85.8 159.3
 68 0.0 0.0 0.0



#27
 1,2-Dichloroethane
 Concen: 0.147 ug/L
 RT: 5.130 min Scan# 1272
 Delta R.T. 0.010 min
 Lab File: VV029353.D
 Acq: 25 Nov 2022 14:09

Tgt Ion: 62 Resp: 2768
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.4 12.6#





#29

1,1,1-Trichloroethane

Concen: 0.046 ug/L

RT: 4.613 min Scan# 1111

Delta R.T. 0.016 min

Lab File: VV029353.D

Acq: 25 Nov 2022 14:09

Instrument :

MSVOA_V

ClientSampleId :

BHB68DL

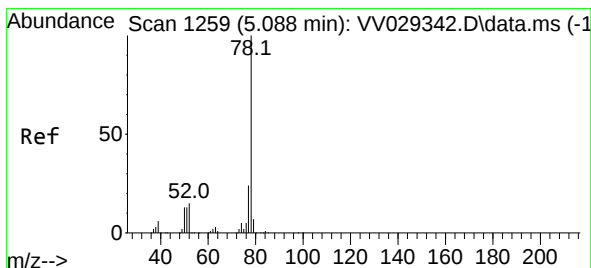
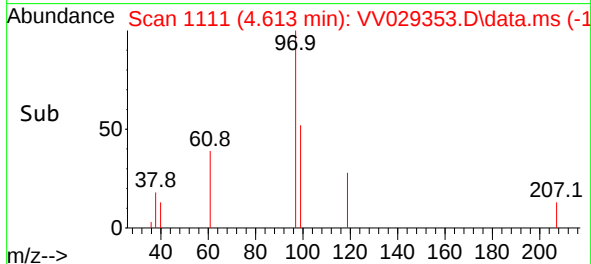
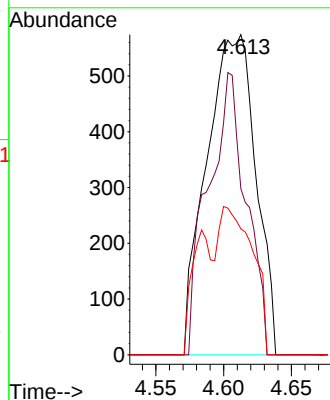
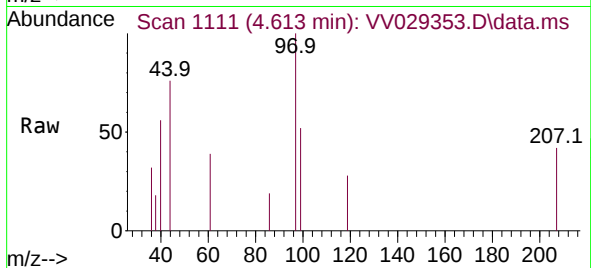
Tgt Ion: 97 Resp: 1454

Ion Ratio Lower Upper

97 100

99 68.0 51.2 76.8

61 31.6 33.3 49.9#



#33

Benzene

Concen: 2.716 ug/L

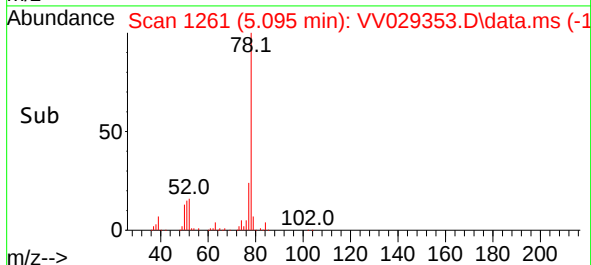
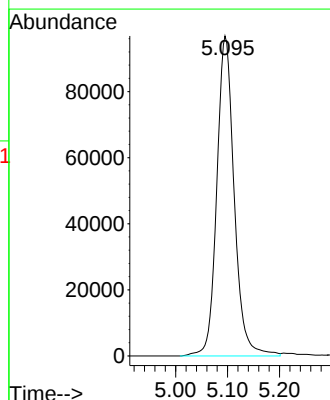
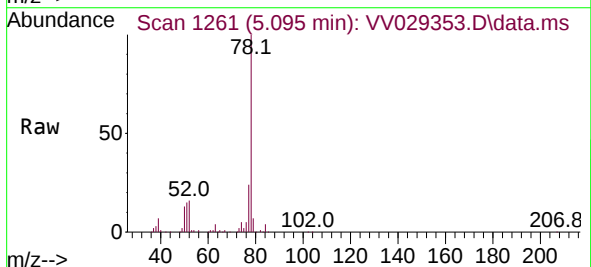
RT: 5.095 min Scan# 1261

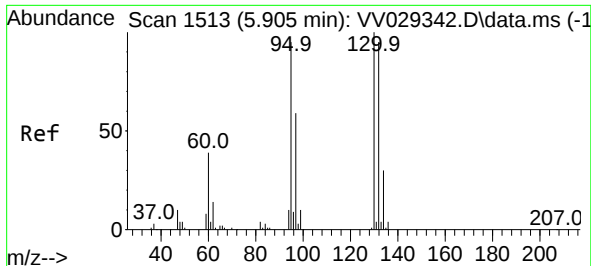
Delta R.T. 0.007 min

Lab File: VV029353.D

Acq: 25 Nov 2022 14:09

Tgt Ion: 78 Resp: 225521

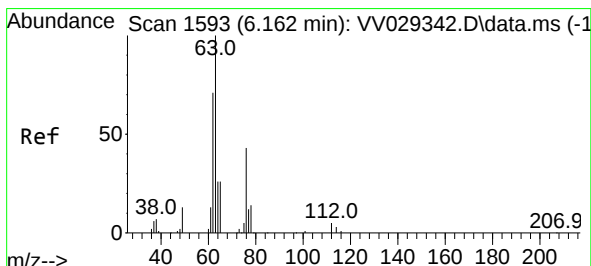
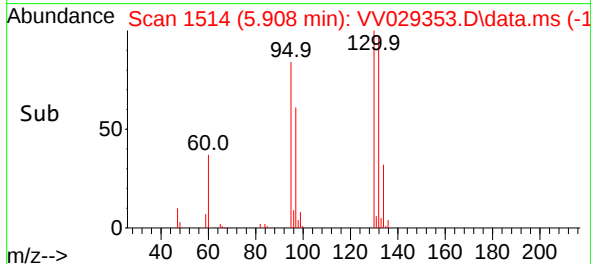
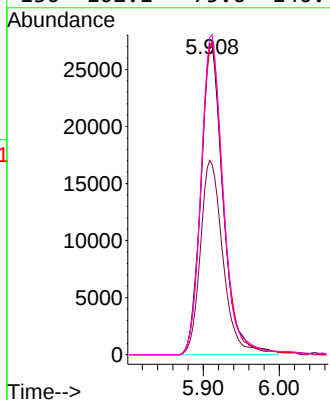
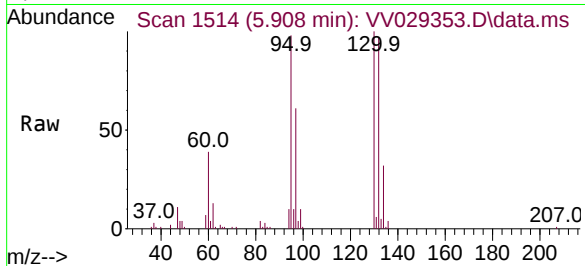




#34
 Trichloroethene
 Concen: 2.620 ug/L
 RT: 5.908 min Scan# 11
 Delta R.T. 0.003 min
 Lab File: VV029353.D
 Acq: 25 Nov 2022 14:09

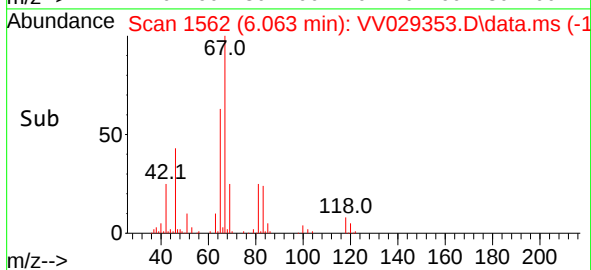
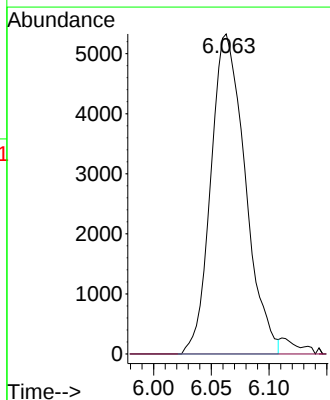
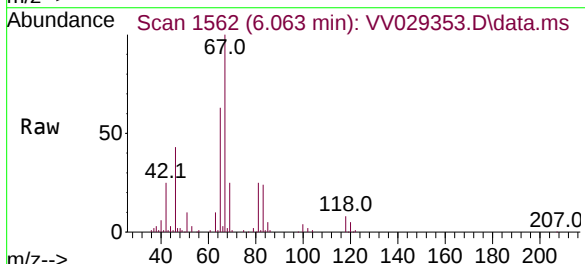
Instrument :
 MSVOA_V
 ClientSampleId :
 BHB68DL

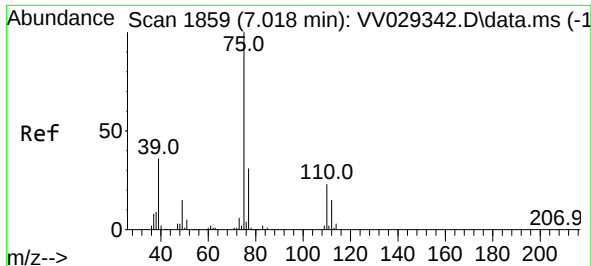
Tgt Ion: 95 Resp: 55487
 Ion Ratio Lower Upper
 95 100
 97 62.5 45.4 84.4
 132 98.6 73.3 136.1
 130 102.1 75.6 140.4



#37
 1,2-Dichloropropane
 Concen: 0.563 ug/L
 RT: 6.063 min Scan# 1562
 Delta R.T. -0.100 min
 Lab File: VV029353.D
 Acq: 25 Nov 2022 14:09

Tgt Ion: 63 Resp: 11012
 Ion Ratio Lower Upper
 63 100
 112 0.0 4.1 6.1#





#39

cis-1,3-Dichloropropene

Concen: 0.095 ug/L

RT: 6.982 min Scan# 11

Delta R.T. -0.035 min

Lab File: VV029353.D

Acq: 25 Nov 2022 14:09

Instrument :

MSVOA_V

ClientSampleId :

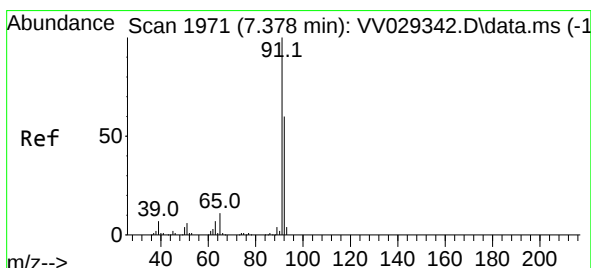
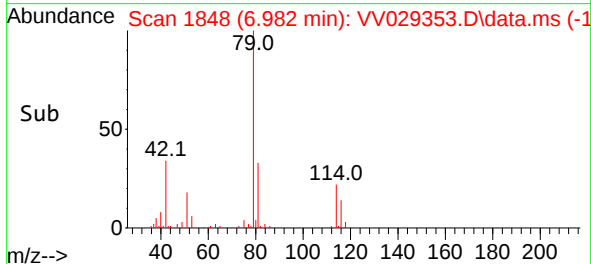
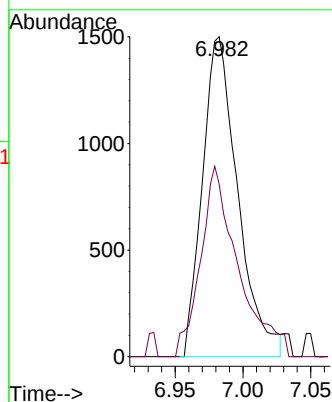
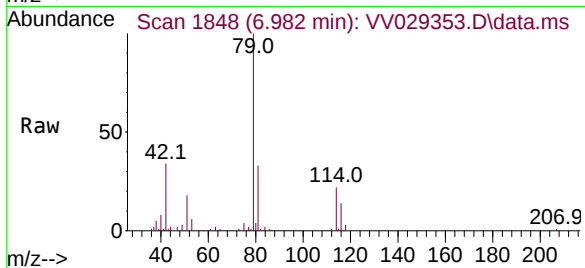
BHB68DL

Tgt Ion: 75 Resp: 2719

Ion Ratio Lower Upper

75 100

77 54.1 22.7 42.3#



#42

Toluene

Concen: 0.266 ug/L

RT: 7.388 min Scan# 1974

Delta R.T. 0.010 min

Lab File: VV029353.D

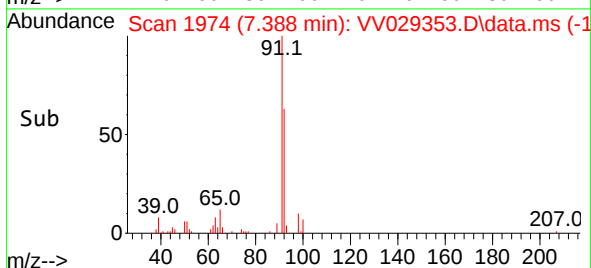
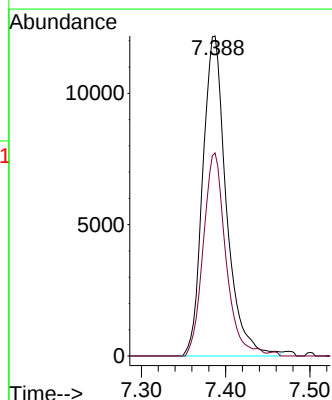
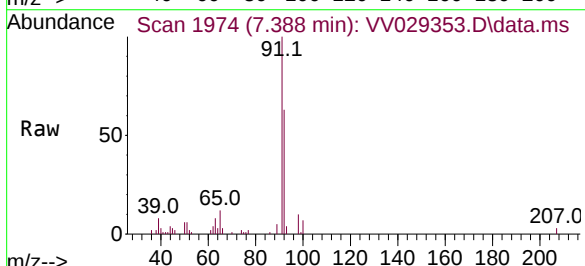
Acq: 25 Nov 2022 14:09

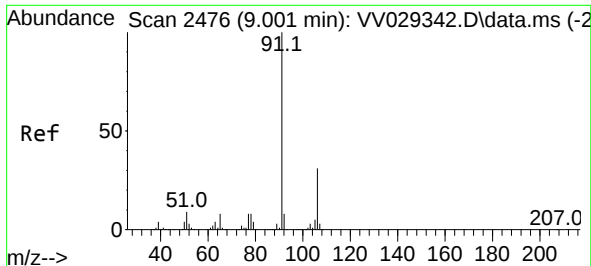
Tgt Ion: 91 Resp: 23746

Ion Ratio Lower Upper

91 100

92 63.5 40.8 75.8





#52

Ethylbenzene

Concen: 0.078 ug/L

RT: 9.008 min Scan# 24

Delta R.T. 0.007 min

Lab File: VV029353.D

Acq: 25 Nov 2022 14:09

Instrument :

MSVOA_V

ClientSampleId :

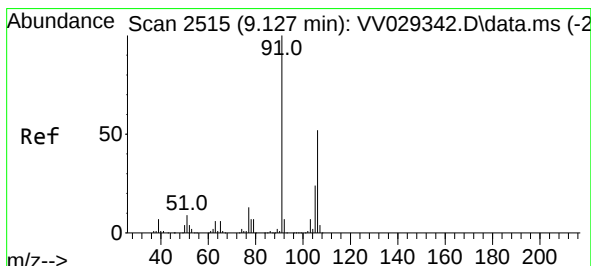
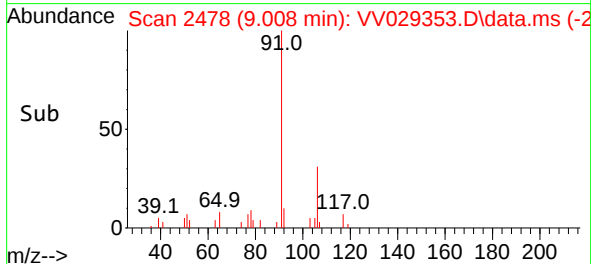
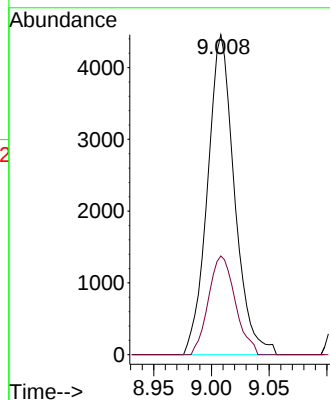
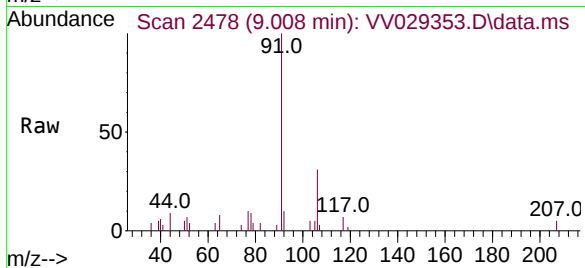
BHB68DL

Tgt Ion: 91 Resp: 7233

Ion Ratio Lower Upper

91 100

106 30.8 21.9 40.7



#53

m,p-Xylene

Concen: 0.597 ug/L

RT: 9.133 min Scan# 2517

Delta R.T. 0.007 min

Lab File: VV029353.D

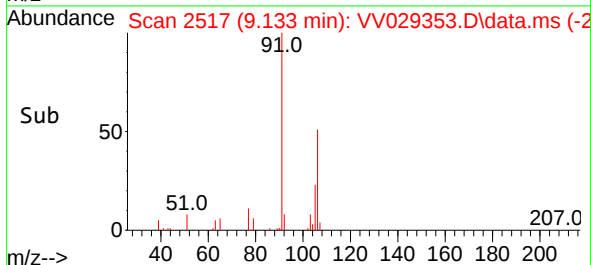
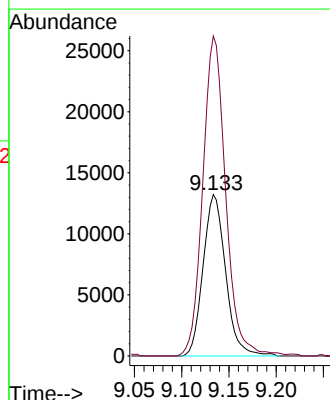
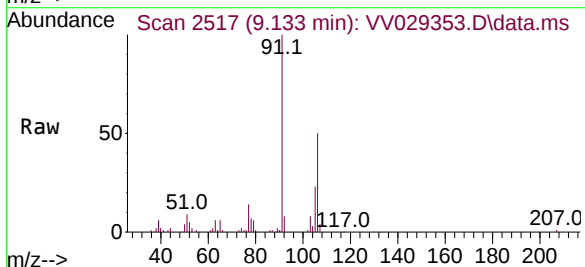
Acq: 25 Nov 2022 14:09

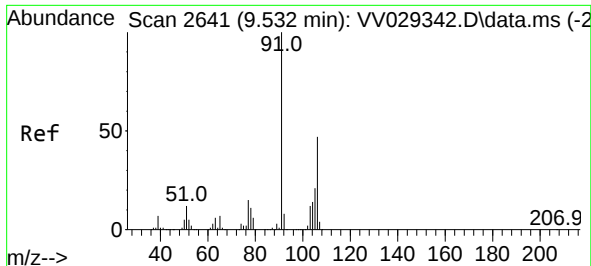
Tgt Ion: 106 Resp: 21883

Ion Ratio Lower Upper

106 100

91 198.2 140.6 261.2

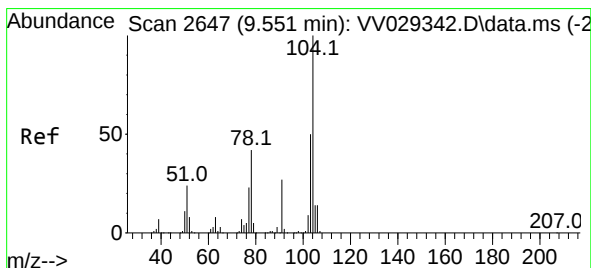
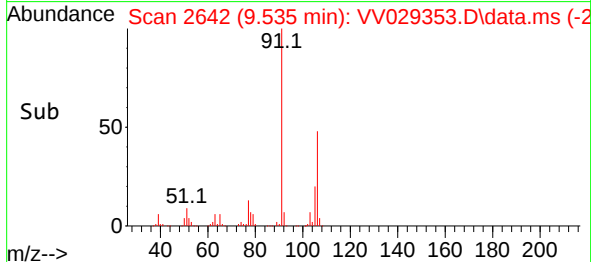
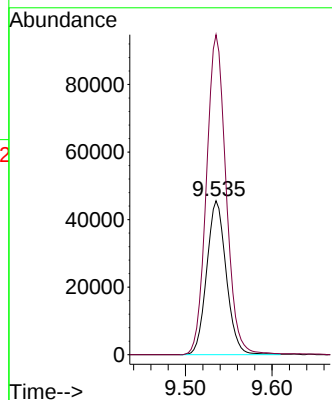
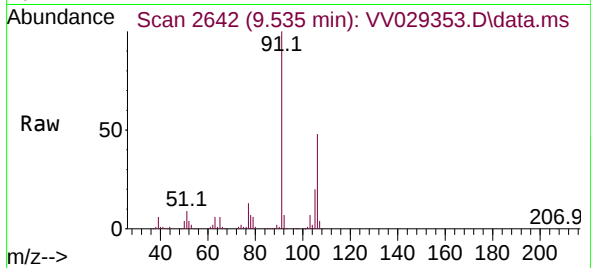




#54
o-Xylene
Concen: 1.984 ug/L
RT: 9.535 min Scan# 2642
Delta R.T. 0.003 min
Lab File: VV029353.D
Acq: 25 Nov 2022 14:09

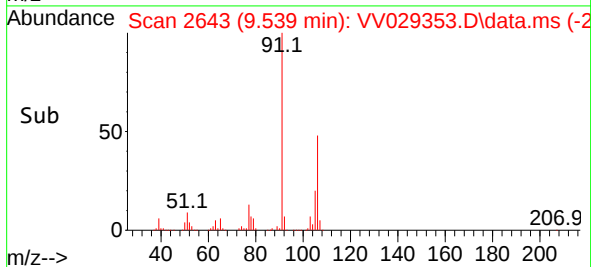
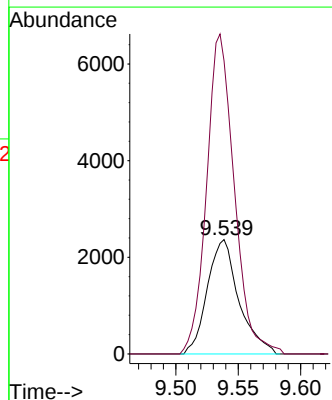
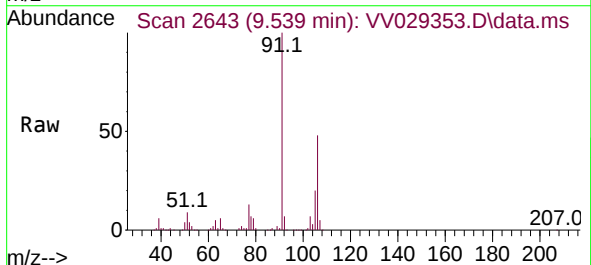
Instrument :
MSVOA_V
ClientSampleId :
BHB68DL

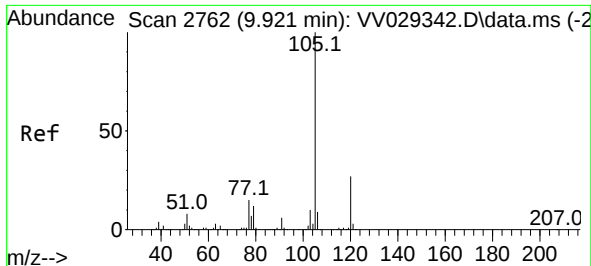
Tgt Ion:106 Resp: 71422
Ion Ratio Lower Upper
106 100
91 207.8 146.9 272.9



#55
Styrene
Concen: 0.069 ug/L
RT: 9.539 min Scan# 2643
Delta R.T. -0.013 min
Lab File: VV029353.D
Acq: 25 Nov 2022 14:09

Tgt Ion:104 Resp: 4175
Ion Ratio Lower Upper
104 100
78 256.1 29.9 55.5#

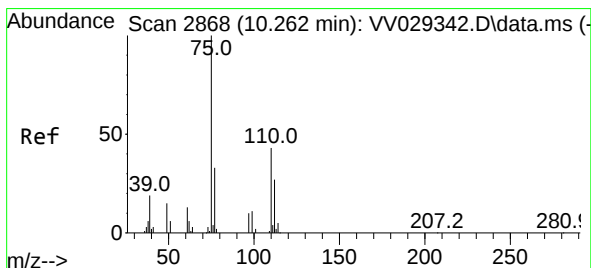
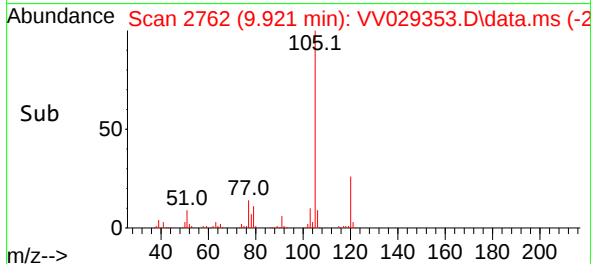
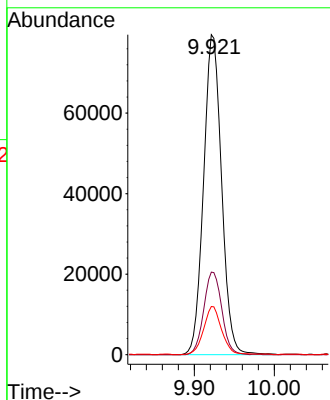
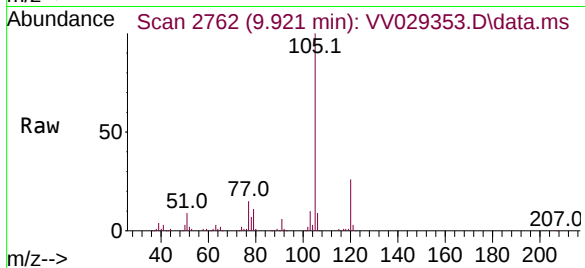




#60
Isopropylbenzene
Concen: 1.292 ug/L
RT: 9.921 min Scan# 2762
Delta R.T. 0.000 min
Lab File: VV029353.D
Acq: 25 Nov 2022 14:09

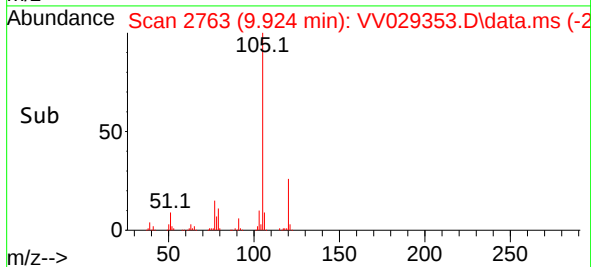
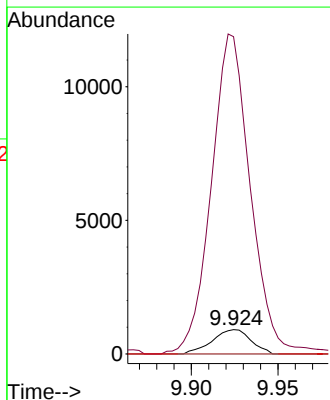
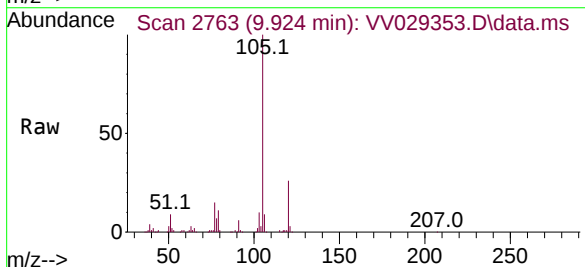
Instrument :
MSVOA_V
ClientSampleId :
BHB68DL

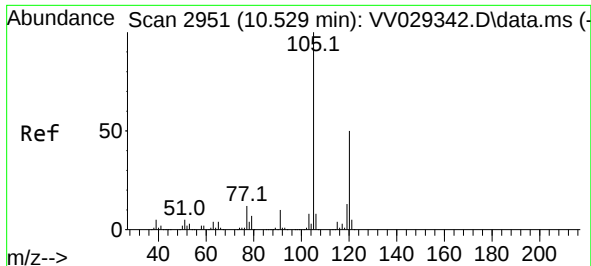
Tgt Ion:105 Resp: 124733
Ion Ratio Lower Upper
105 100
120 25.8 21.4 32.2
77 15.1 11.8 17.8



#61
1,2,3-Trichloropropane
Concen: 0.137 ug/L
RT: 9.924 min Scan# 2763
Delta R.T. -0.337 min
Lab File: VV029353.D
Acq: 25 Nov 2022 14:09

Tgt Ion: 75 Resp: 1420
Ion Ratio Lower Upper
75 100
77 1327.5 26.7 40.1#
110 0.0 32.2 48.4#





#62

1,3,5-Trimethylbenzene

Concen: 0.345 ug/L

RT: 10.905 min Scan# 3068

Delta R.T. 0.376 min

Lab File: VV029353.D

Acq: 25 Nov 2022 14:09

Instrument :

MSVOA_V

ClientSampleId :

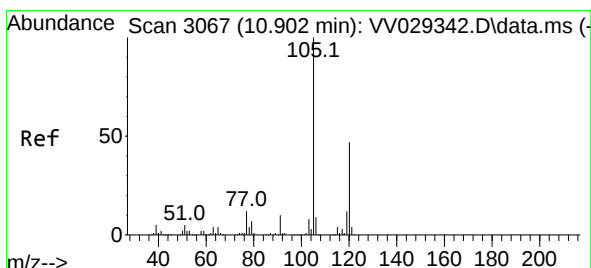
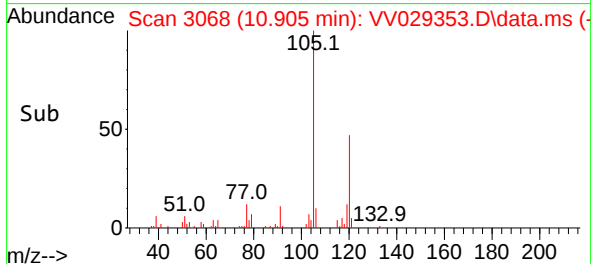
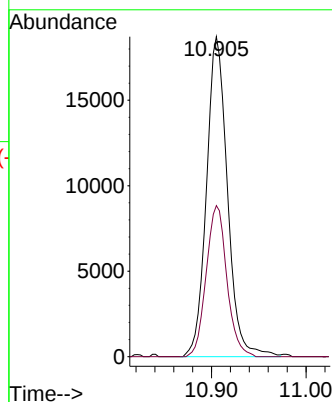
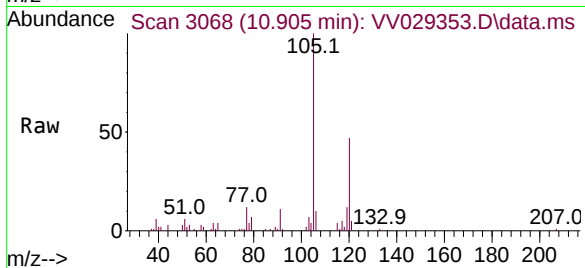
BHB68DL

Tgt Ion:105 Resp: 28874

Ion Ratio Lower Upper

105 100

120 46.4 39.6 59.4



#63

1,2,4-Trimethylbenzene

Concen: 0.343 ug/L

RT: 10.905 min Scan# 3068

Delta R.T. 0.003 min

Lab File: VV029353.D

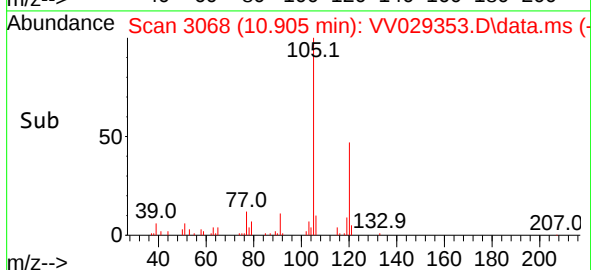
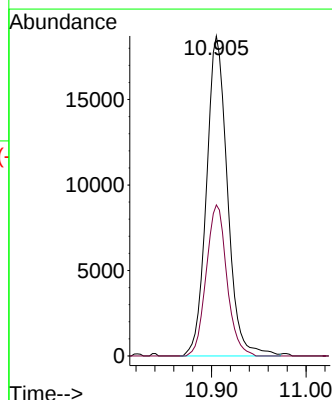
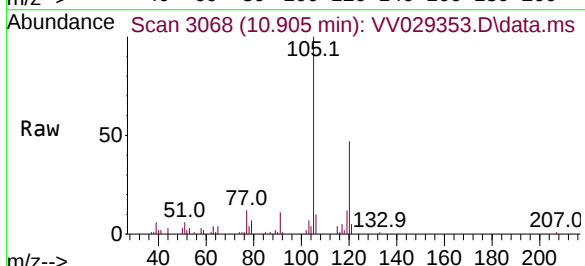
Acq: 25 Nov 2022 14:09

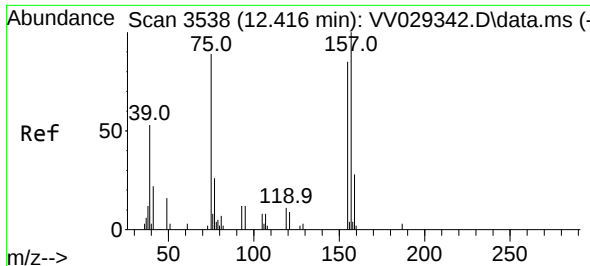
Tgt Ion:105 Resp: 28874

Ion Ratio Lower Upper

105 100

120 46.4 37.2 55.8

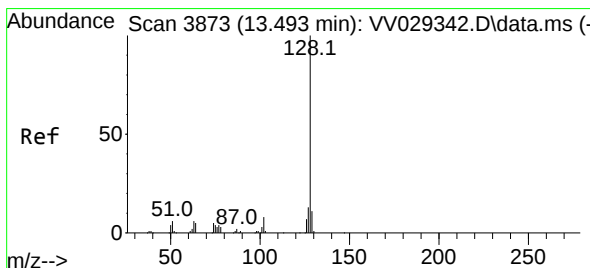
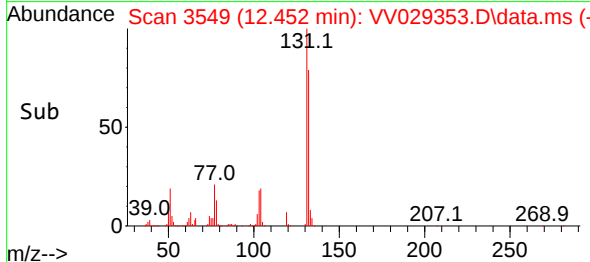
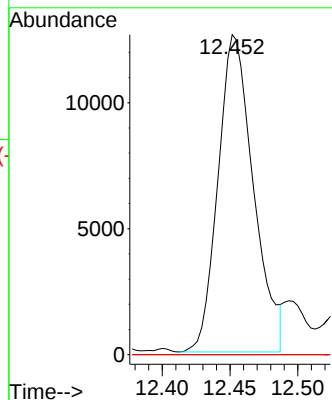
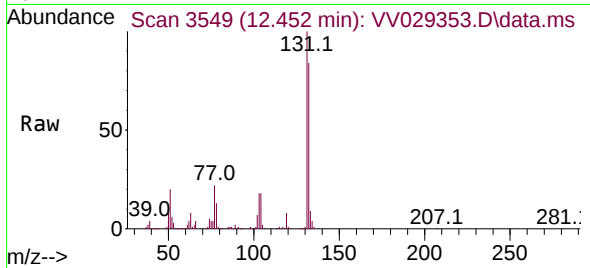




#68
1,2-Dibromo-3-chloropropane
Concen: 11.279 ug/L
RT: 12.452 min Scan# 3549
Delta R.T. 0.036 min
Lab File: VV029353.D
Acq: 25 Nov 2022 14:09

Instrument :
MSVOA_V
ClientSampleId :
BHB68DL

Tgt Ion: 75 Resp: 22942
Ion Ratio Lower Upper
75 100
155 0.0 76.6 115.0#
157 0.0 96.9 145.3#



#71
Naphthalene
Concen: 1.465 ug/L
RT: 13.493 min Scan# 3873
Delta R.T. 0.000 min
Lab File: VV029353.D
Acq: 25 Nov 2022 14:09

Tgt Ion: 128 Resp: 38149
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 13.7 10.6 15.8

