

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112522\
 Data File : VW029352.D
 Acq On : 25 Nov 2022 13:47
 Operator : SY/MD
 Sample : N5725-14DL 4X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHB67DL

Quant Time: Nov 25 21:31:27 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	5.609	114	313967	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	277426	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	143219	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	90209	4.669	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.400%
7) Chloroethane-d5	1.565	69	67385	4.764	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.200%
11) 1,1-Dichloroethene-d2	2.105	63	107423	3.474	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.400%
20) 2-Butanone-d5	3.886	46	159866	49.460	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.920%
24) Chloroform-d	4.339	84	155736	4.516	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.400%
26) 1,2-Dichloroethane-d4	5.024	65	73800	4.864	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.200%
32) Benzene-d6	5.043	84	346942	4.525	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.400%
36) 1,2-Dichloropropane-d6	6.063	67	103519	4.805	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.000%
41) Toluene-d8	7.307	98	317213	4.383	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.600%
43) trans-1,3-Dichloroprop...	7.616	79	36892	4.441	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.800%
46) 2-Hexanone-d5	8.085	63	130048	43.921	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.840%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	68382	5.144	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.800%
66) 1,2-Dichlorobenzene-d4	11.612	152	122822	4.909	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.217	85	3478	0.148	ug/L	99
3) Chloromethane	1.243	50	7372	0.343	ug/L	97
5) Vinyl chloride	1.307	62	76549	3.579	ug/L	100
8) Chloroethane	1.307	64	25605	2.014	ug/L #	53
12) 1,1-Dichloroethene	2.114	96	4865	0.301	ug/L #	1
14) Carbon disulfide	2.294	76	3716	0.079	ug/L	98
16) Methylene chloride	2.503	84	9437	0.383	ug/L	97
19) 1,1-Dichloroethane	3.185	63	70901	2.126	ug/L	99
22) cis-1,2-Dichloroethene	3.902	96	105074	4.958	ug/L	99
27) 1,2-Dichloroethane	5.130	62	2088	0.111	ug/L #	72
29) 1,1,1-Trichloroethane	4.600	97	11535	0.361	ug/L	98
31) Carbon tetrachloride	4.600	117	1444	0.054	ug/L	93
33) Benzene	5.095	78	18407	0.222	ug/L	100
34) Trichloroethene	5.908	95	6883	0.325	ug/L	94
35) Methylcyclohexane	6.063	83	24427	0.684	ug/L #	22
37) 1,2-Dichloropropane	6.063	63	10915	0.558	ug/L #	85
39) cis-1,3-Dichloropropene	6.982	75	2521	0.088	ug/L #	49
52) Ethylbenzene	9.008	91	16294	0.175	ug/L	98
53) m,p-Xylene	9.133	106	19600	0.535	ug/L	99

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

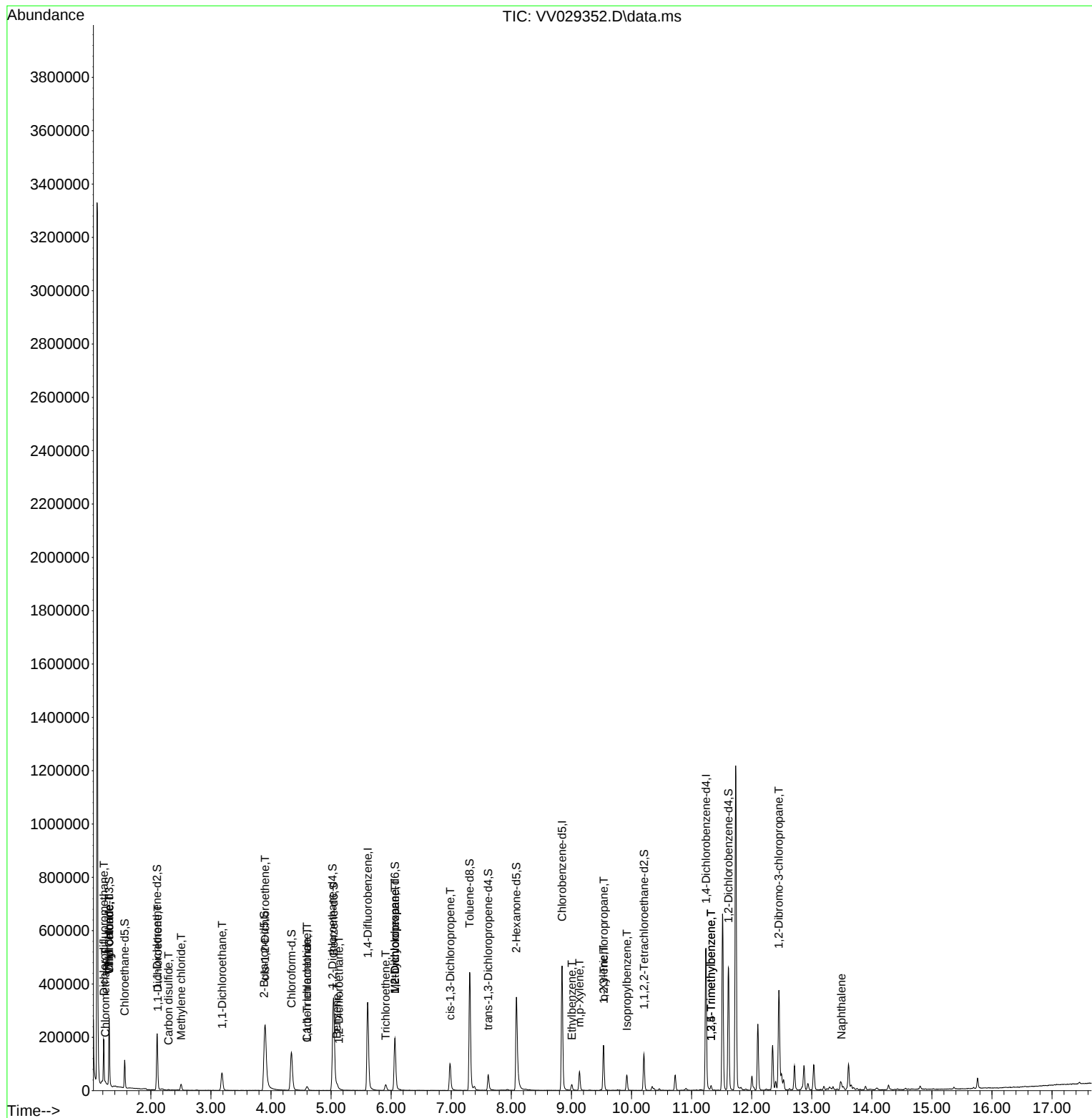
54) o-Xylene	9.535	106	46969	1.306	ug/L	100
60) Isopropylbenzene	9.921	105	36871	0.398	ug/L	98
61) 1,2,3-Trichloropropane	9.538	75	1316	0.132	ug/L #	1
62) 1,3,5-Trimethylbenzene	11.326	105	8715	0.109	ug/L	88
63) 1,2,4-Trimethylbenzene	11.326	105	8715	0.108	ug/L	93
68) 1,2-Dibromo-3-chloropr...	12.452	75	7129	3.655	ug/L #	1
71) Naphthalene	13.497	128	12364	0.495	ug/L	99

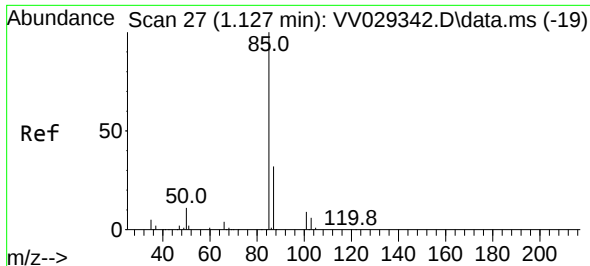
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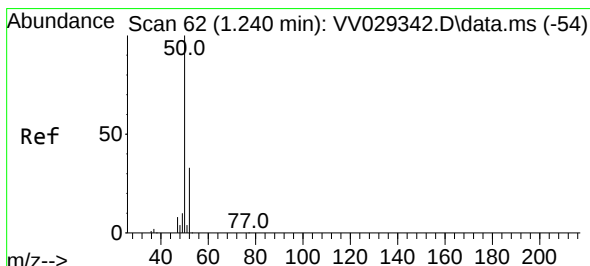
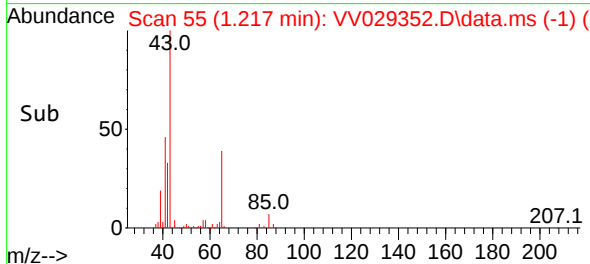
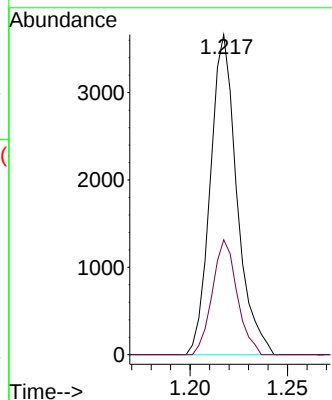
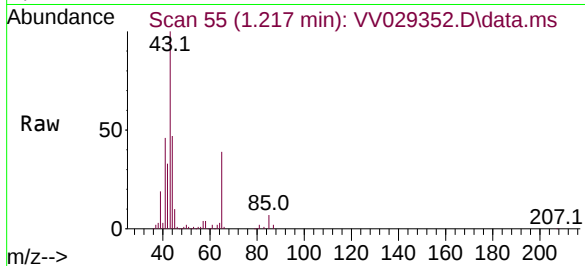




#2
 Dichlorodifluoromethane
 Concen: 0.148 ug/L
 RT: 1.217 min Scan# 51
 Delta R.T. 0.090 min
 Lab File: VV029352.D
 Acq: 25 Nov 2022 13:47

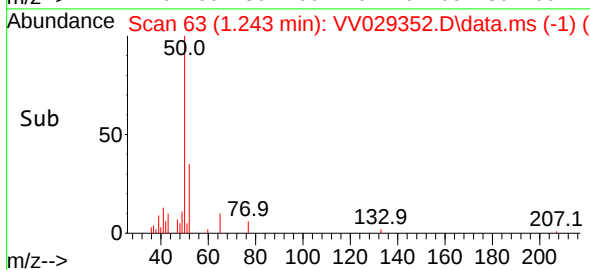
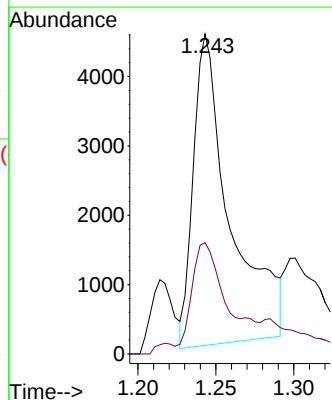
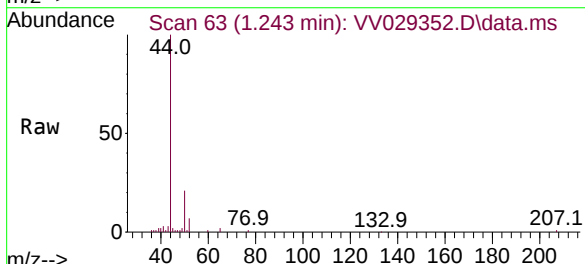
Instrument :
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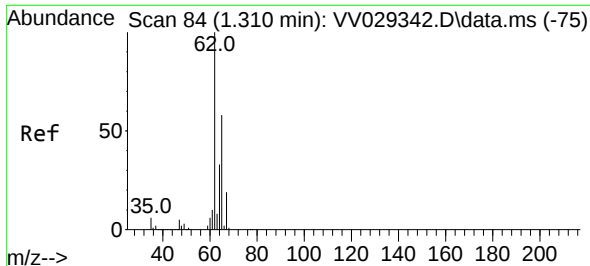
Tgt Ion: 85 Resp: 3478
 Ion Ratio Lower Upper
 85 100
 87 33.5 26.2 39.4



#3
 Chloromethane
 Concen: 0.343 ug/L
 RT: 1.243 min Scan# 63
 Delta R.T. 0.003 min
 Lab File: VV029352.D
 Acq: 25 Nov 2022 13:47

Tgt Ion: 50 Resp: 7372
 Ion Ratio Lower Upper
 50 100
 52 34.8 23.2 43.2

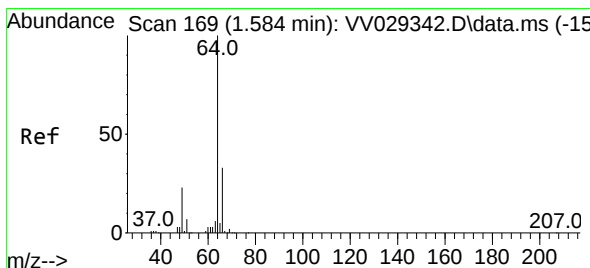
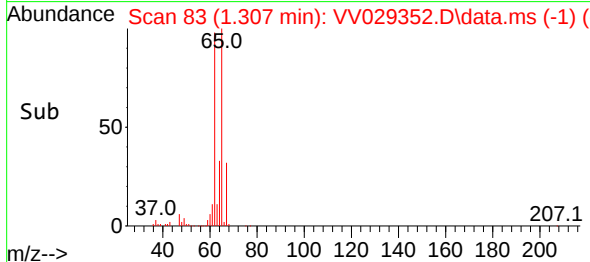
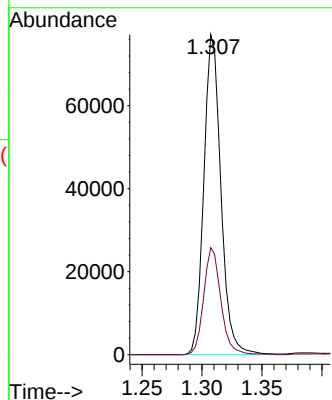
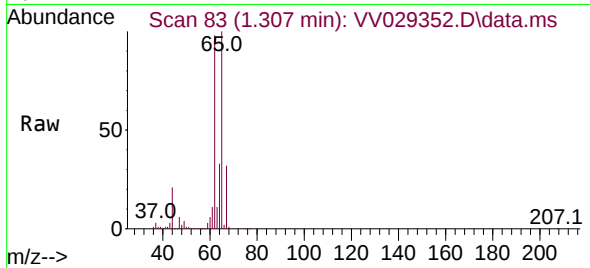




#5
 Vinyl chloride
 Concen: 3.579 ug/L
 RT: 1.307 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VV029352.D
 Acq: 25 Nov 2022 13:47

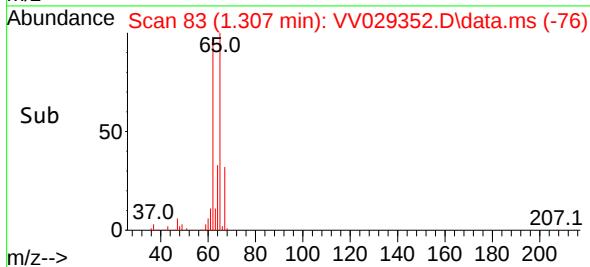
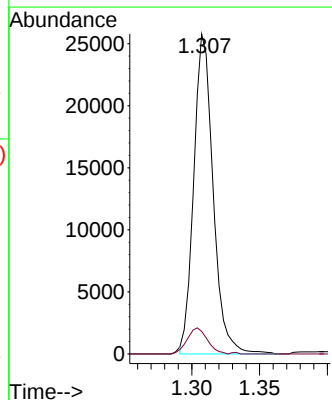
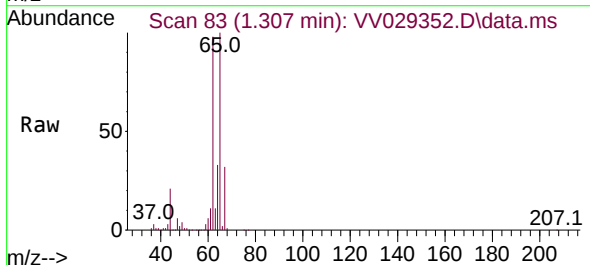
Instrument :
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 ClientSampleId :
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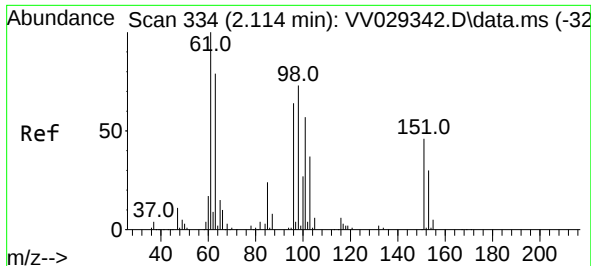
Tgt Ion: 62 Resp: 76549
 Ion Ratio Lower Upper
 62 100
 64 33.4 23.4 43.4



#8
 Chloroethane
 Concen: 2.014 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. -0.276 min
 Lab File: VV029352.D
 Acq: 25 Nov 2022 13:47

Tgt Ion: 64 Resp: 25605
 Ion Ratio Lower Upper
 64 100
 66 7.1 23.5 43.7#

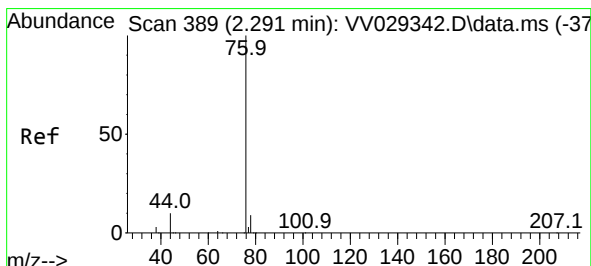
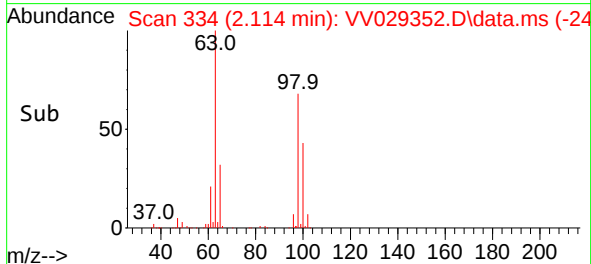
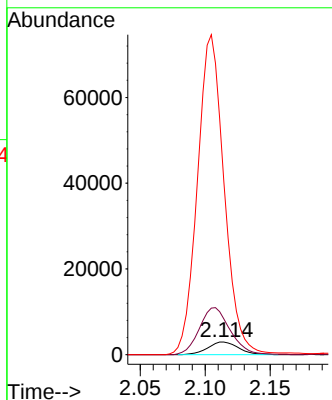
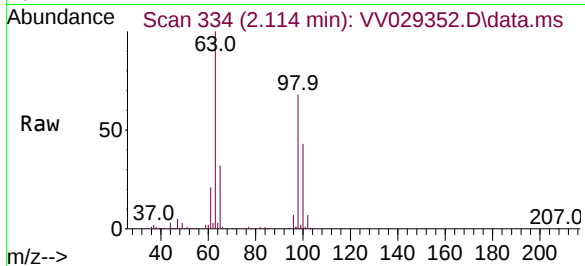




#12
1,1-Dichloroethene
Concen: 0.301 ug/L
RT: 2.114 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV029352.D
Acq: 25 Nov 2022 13:47

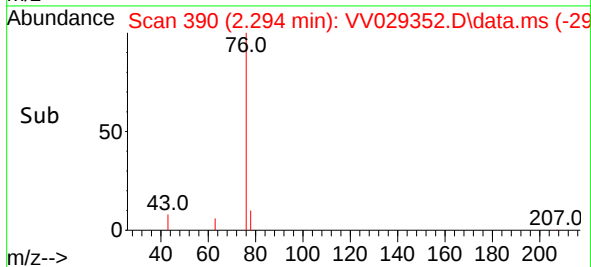
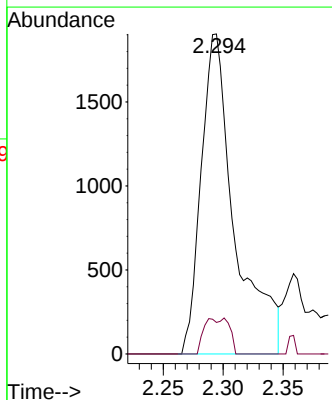
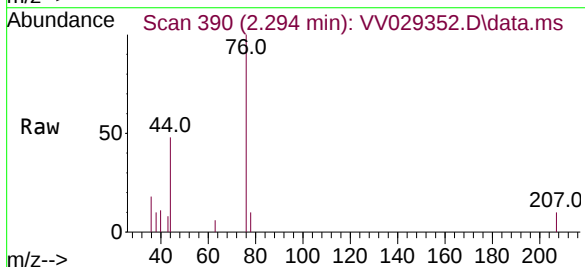
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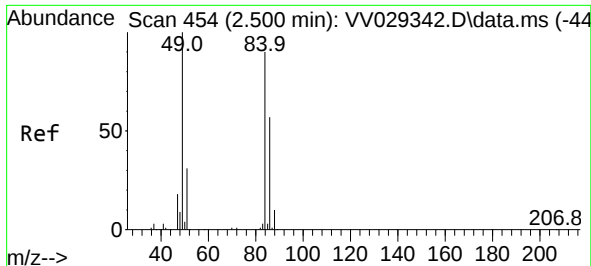
Tgt Ion: 96 Resp: 4865
Ion Ratio Lower Upper
96 100
61 282.0 110.3 204.9#
63 1367.5 84.4 156.8#



#14
Carbon disulfide
Concen: 0.079 ug/L
RT: 2.294 min Scan# 390
Delta R.T. 0.003 min
Lab File: VV029352.D
Acq: 25 Nov 2022 13:47

Tgt Ion: 76 Resp: 3716
Ion Ratio Lower Upper
76 100
78 9.9 7.4 11.2

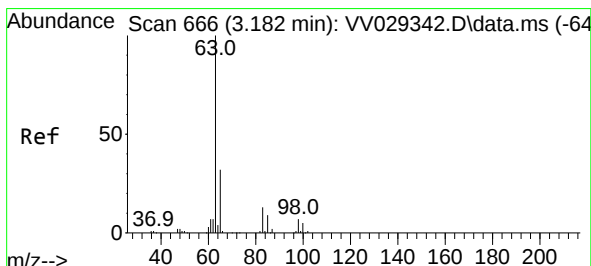
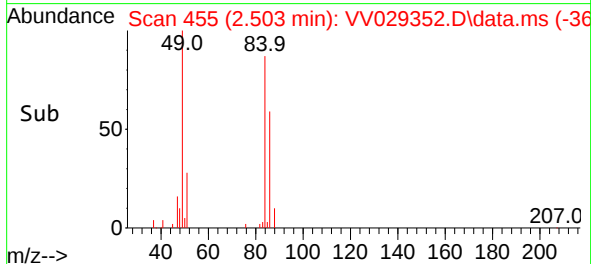
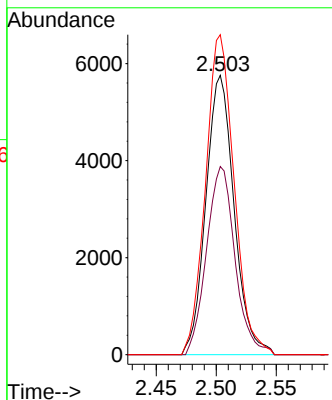
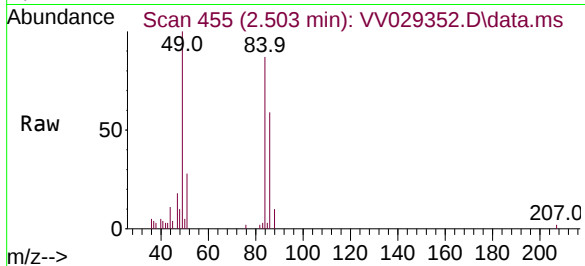




#16
Methylene chloride
Concen: 0.383 ug/L
RT: 2.503 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV029352.D
Acq: 25 Nov 2022 13:47

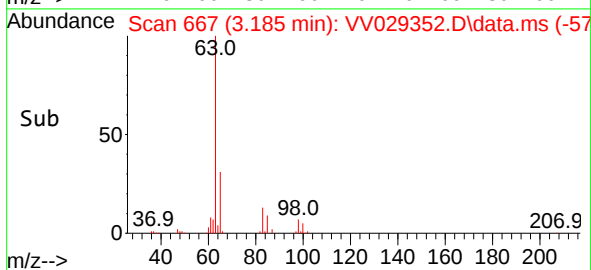
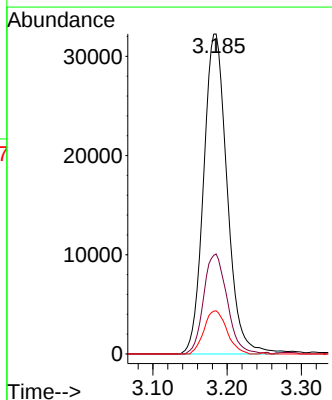
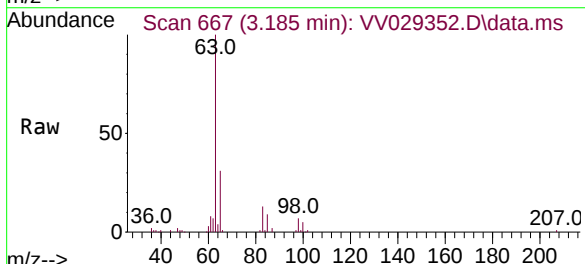
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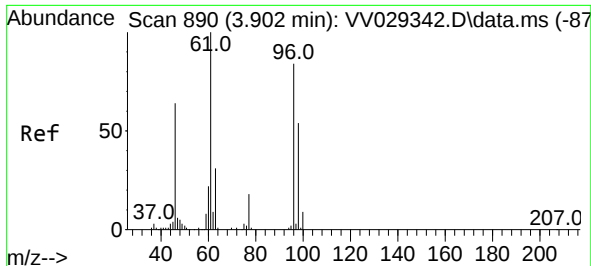
Tgt Ion: 84 Resp: 9437
Ion Ratio Lower Upper
84 100
86 67.3 45.6 84.6
49 114.6 77.8 144.4



#19
1,1-Dichloroethane
Concen: 2.126 ug/L
RT: 3.185 min Scan# 667
Delta R.T. 0.003 min
Lab File: VV029352.D
Acq: 25 Nov 2022 13:47

Tgt Ion: 63 Resp: 70901
Ion Ratio Lower Upper
63 100
65 31.2 21.6 40.2
83 13.5 10.3 19.1

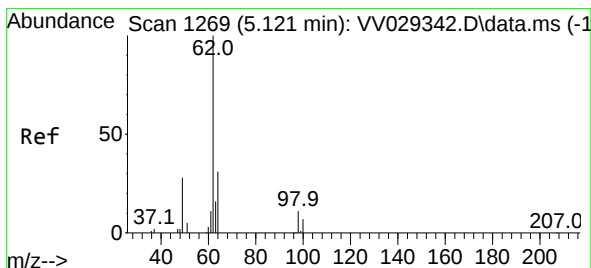
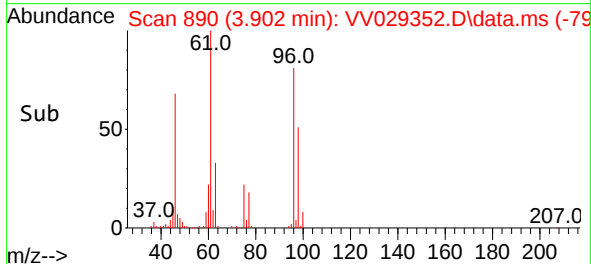
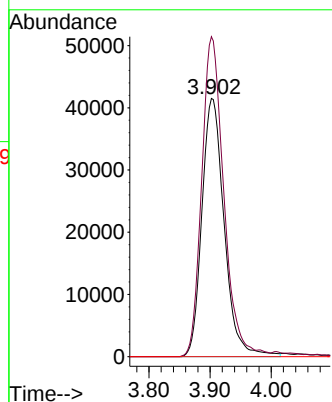
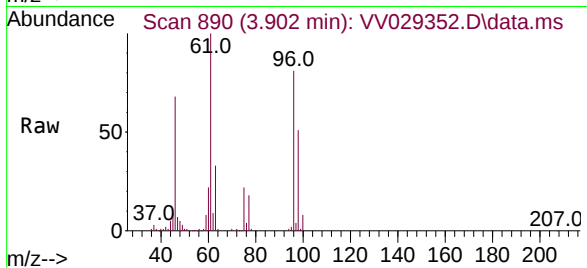




#22
 cis-1,2-Dichloroethene
 Concen: 4.958 ug/L
 RT: 3.902 min Scan# 890
 Delta R.T. 0.000 min
 Lab File: VV029352.D
 Acq: 25 Nov 2022 13:47

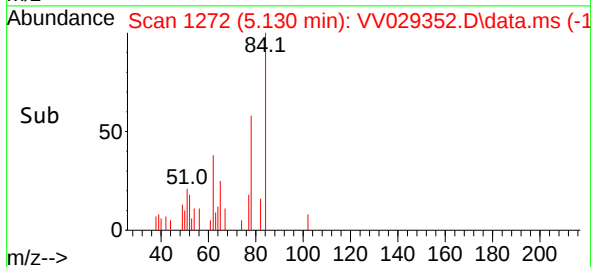
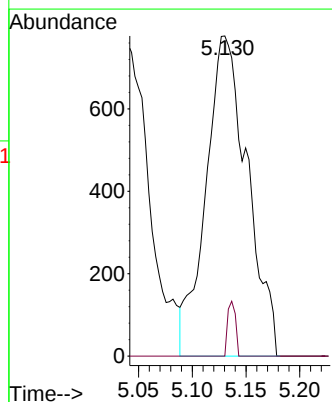
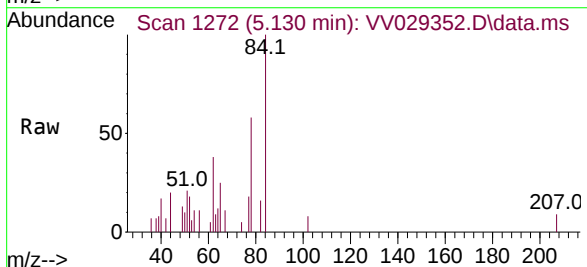
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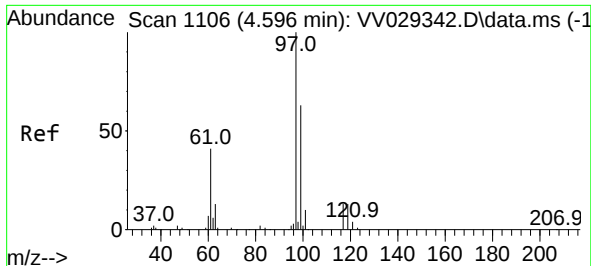
Tgt Ion: 96 Resp: 105074
 Ion Ratio Lower Upper
 96 100
 61 123.9 85.8 159.3
 68 0.0 0.0 0.0



#27
 1,2-Dichloroethane
 Concen: 0.111 ug/L
 RT: 5.130 min Scan# 1272
 Delta R.T. 0.010 min
 Lab File: VV029352.D
 Acq: 25 Nov 2022 13:47

Tgt Ion: 62 Resp: 2088
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.4 12.6#





#29

1,1,1-Trichloroethane

Concen: 0.361 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. 0.003 min

Lab File: VV029352.D

Acq: 25 Nov 2022 13:47

Instrument :

MSVOA_V

ClientSampleId :

BHB67DL

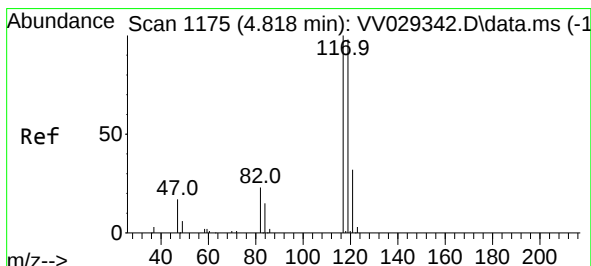
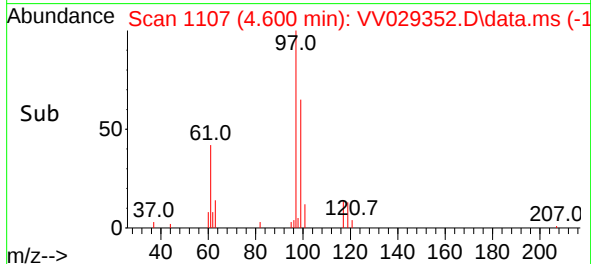
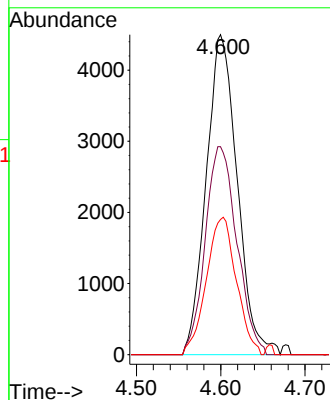
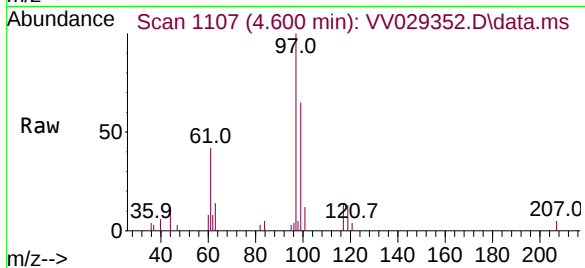
Tgt Ion: 97 Resp: 11535

Ion Ratio Lower Upper

97 100

99 66.4 51.2 76.8

61 41.5 33.3 49.9



#31

Carbon tetrachloride

Concen: 0.054 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. -0.219 min

Lab File: VV029352.D

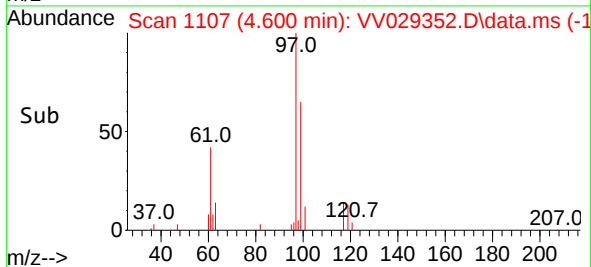
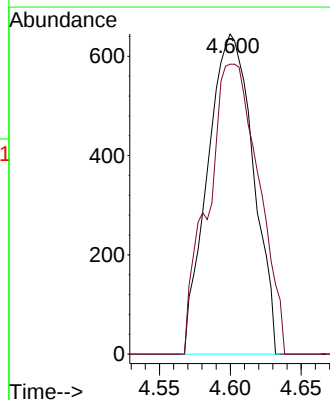
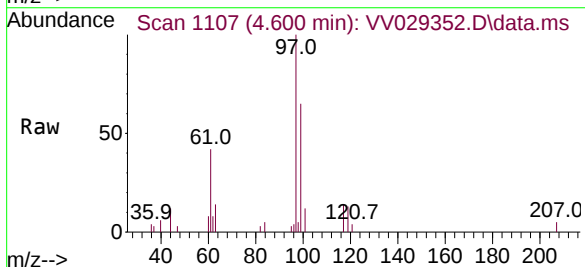
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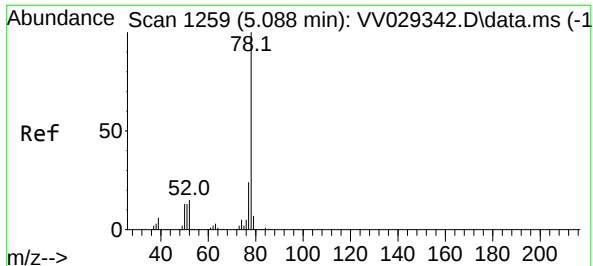
Tgt Ion: 117 Resp: 1444

Ion Ratio Lower Upper

117 100

119 101.1 75.7 113.5

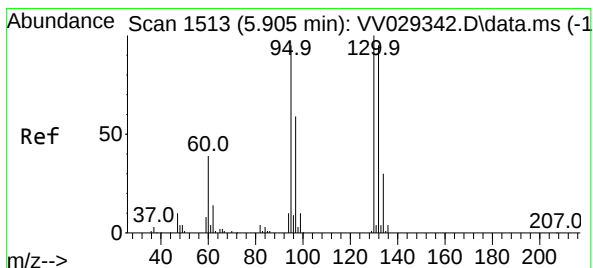
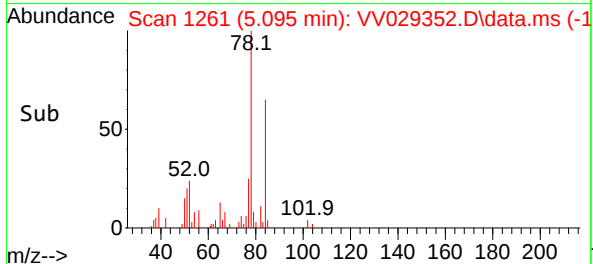
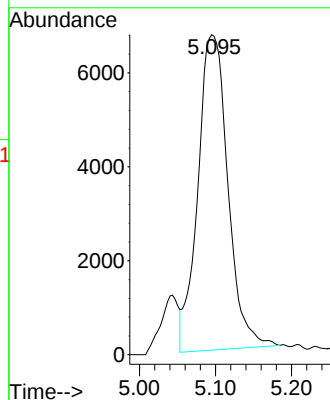
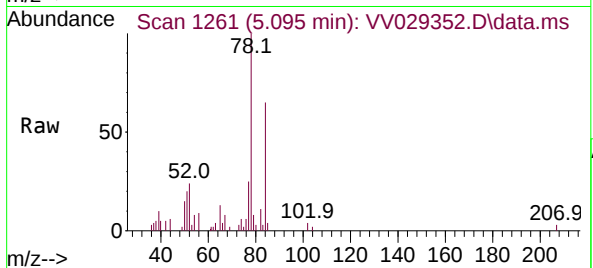




#33
Benzene
Concen: 0.222 ug/L
RT: 5.095 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV029352.D
Acq: 25 Nov 2022 13:47

Instrument :
MSVOA_V
ClientSampleId :
BHB67DL

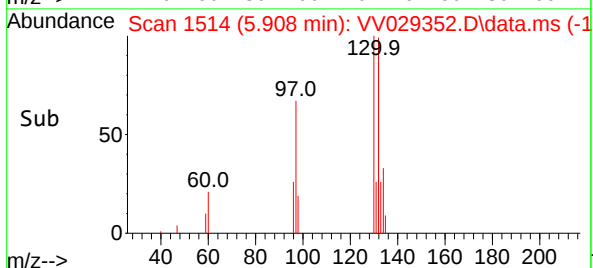
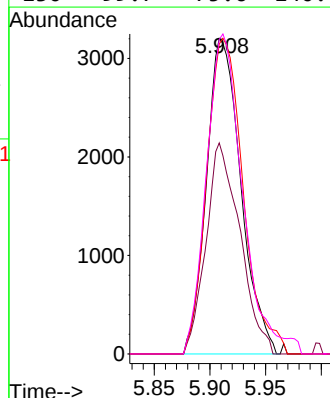
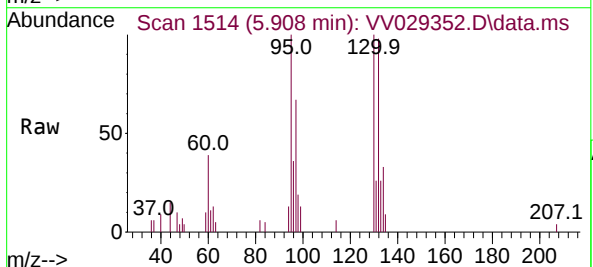
Tgt Ion: 78 Resp: 18407

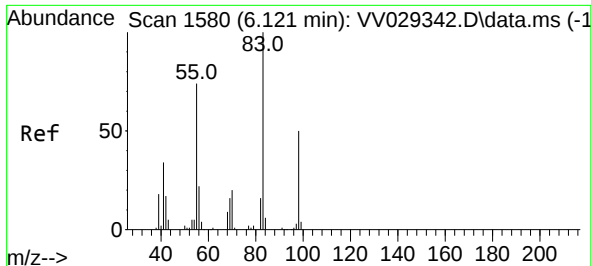


#34
Trichloroethene
Concen: 0.325 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. 0.003 min
Lab File: VV029352.D
Acq: 25 Nov 2022 13:47

Tgt Ion: 95 Resp: 6883

Ion	Ratio	Lower	Upper
95	100		
97	66.9	45.4	84.4
132	98.2	73.3	136.1
130	99.7	75.6	140.4

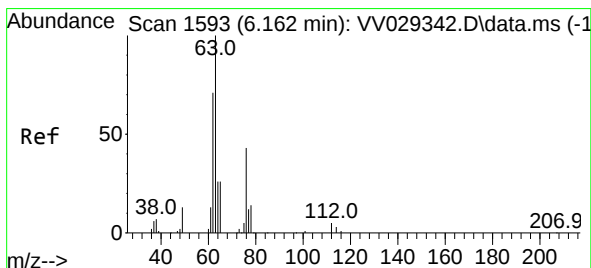
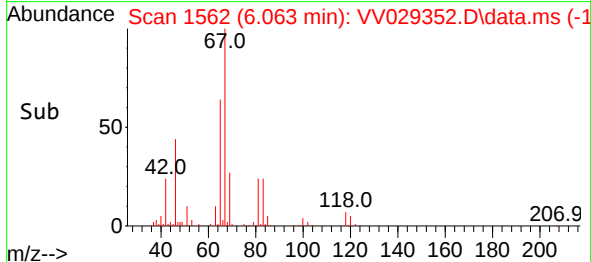
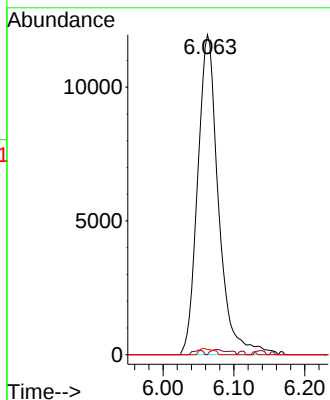
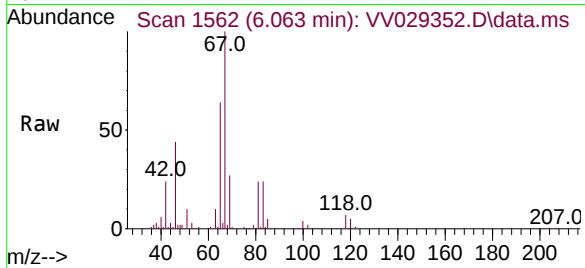




#35
Methylcyclohexane
Concen: 0.684 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. -0.058 min
Lab File: VV029352.D
Acq: 25 Nov 2022 13:47

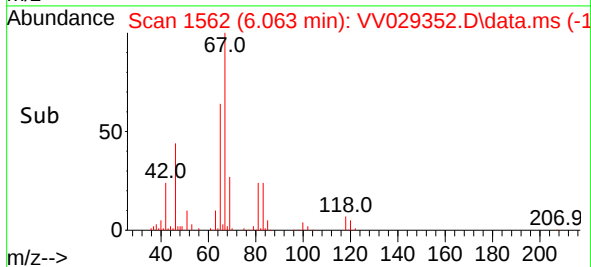
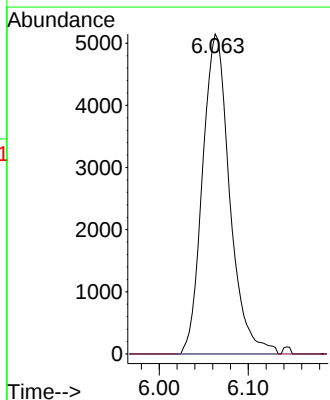
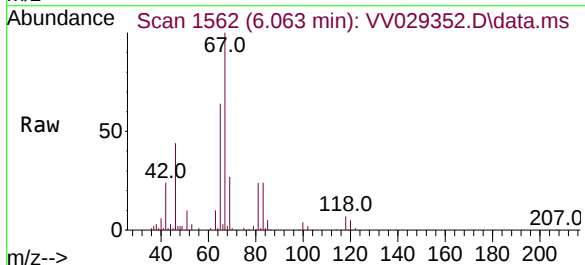
Instrument :
MSVOA_V
ClientSampleId :
BHB67DL

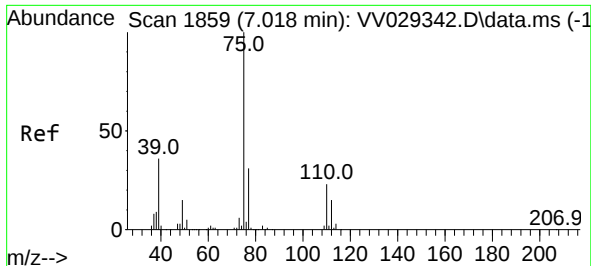
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.7	55.4	83.2#
98	1.3	39.4	59.2#



#37
1,2-Dichloropropane
Concen: 0.558 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. -0.100 min
Lab File: VV029352.D
Acq: 25 Nov 2022 13:47

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





#39

cis-1,3-Dichloropropene

Concen: 0.088 ug/L

RT: 6.982 min Scan# 1848

Delta R.T. -0.035 min

Lab File: VV029352.D

Acq: 25 Nov 2022 13:47

Instrument :

MSVOA_V

ClientSampleId :

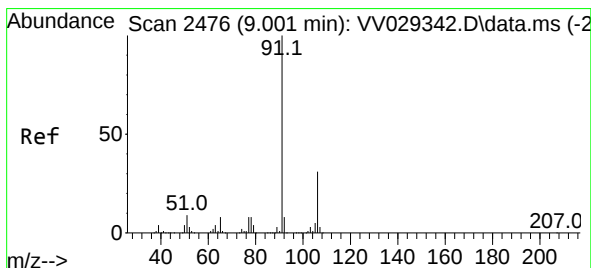
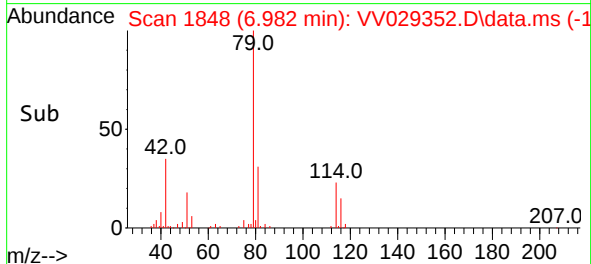
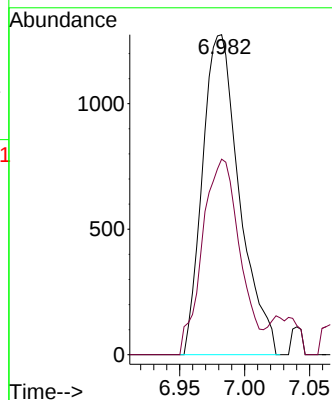
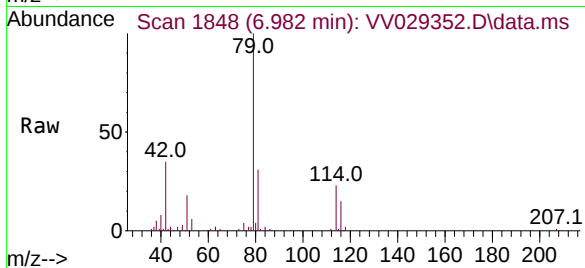
BHB67DL

Tgt Ion: 75 Resp: 2521

Ion Ratio Lower Upper

75 100

77 61.1 22.7 42.3#



#52

Ethylbenzene

Concen: 0.175 ug/L

RT: 9.008 min Scan# 2478

Delta R.T. 0.007 min

Lab File: VV029352.D

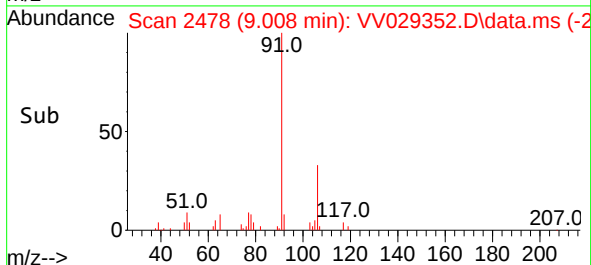
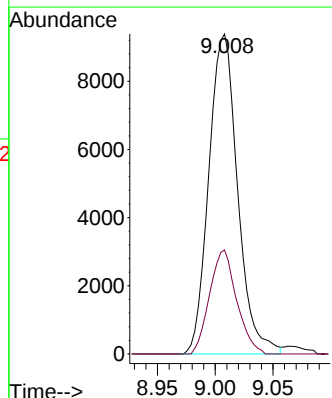
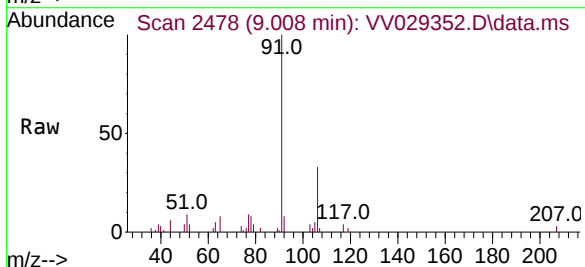
Acq: 25 Nov 2022 13:47

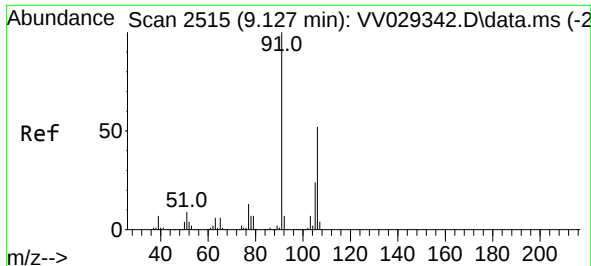
Tgt Ion: 91 Resp: 16294

Ion Ratio Lower Upper

91 100

106 32.5 21.9 40.7

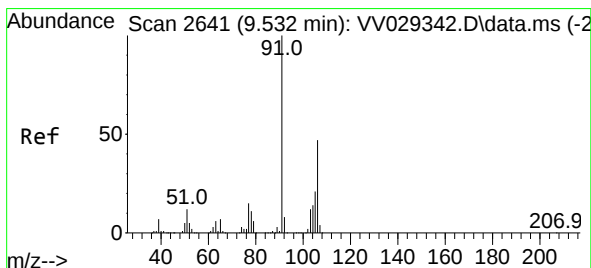
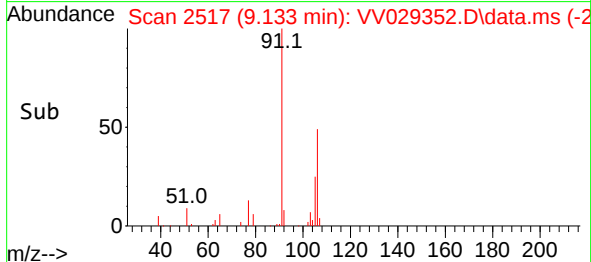
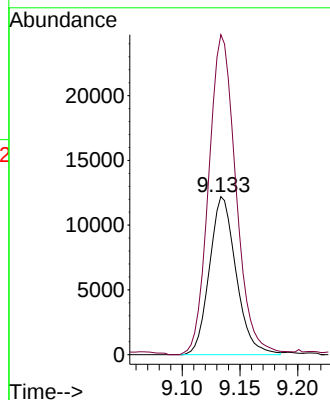
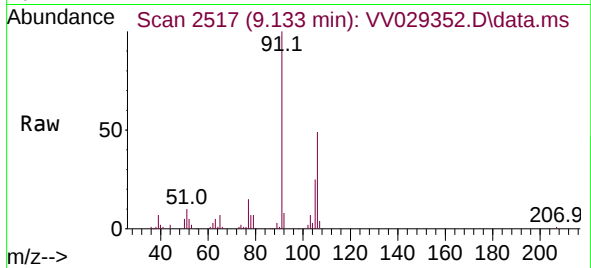




#53
m,p-Xylene
Concen: 0.535 ug/L
RT: 9.133 min Scan# 2517
Delta R.T. 0.006 min
Lab File: VV029352.D
Acq: 25 Nov 2022 13:47

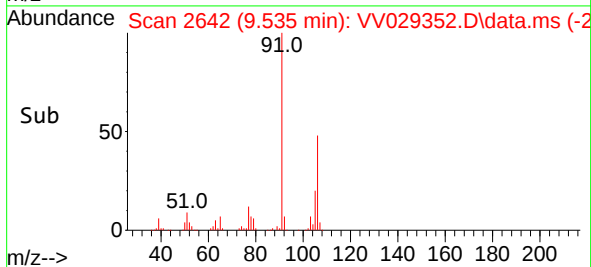
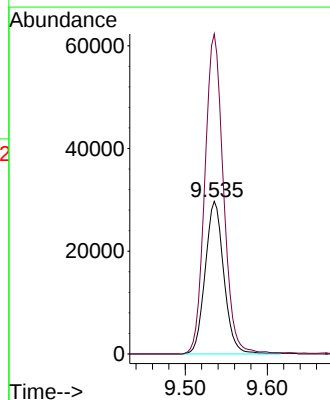
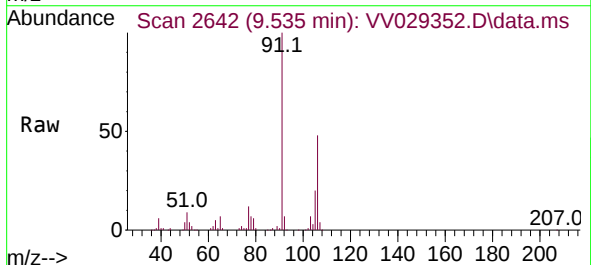
Instrument :
MSVOA_V
ClientSampleId :
BHB67DL

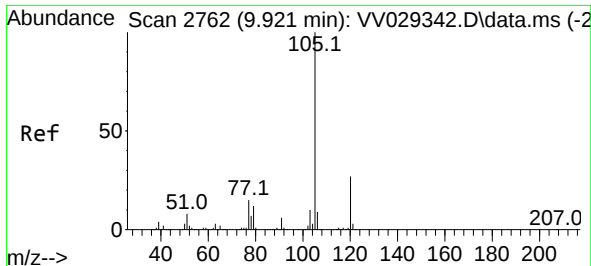
Tgt Ion:106 Resp: 19600
Ion Ratio Lower Upper
106 100
91 202.5 140.6 261.2



#54
o-Xylene
Concen: 1.306 ug/L
RT: 9.535 min Scan# 2642
Delta R.T. 0.003 min
Lab File: VV029352.D
Acq: 25 Nov 2022 13:47

Tgt Ion:106 Resp: 46969
Ion Ratio Lower Upper
106 100
91 209.7 146.9 272.9

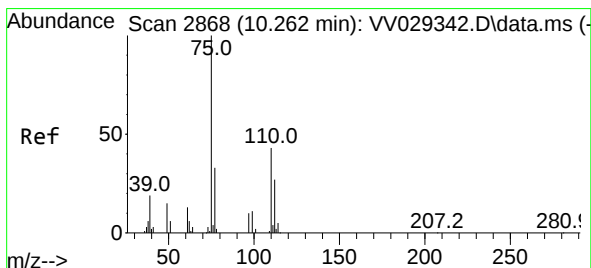
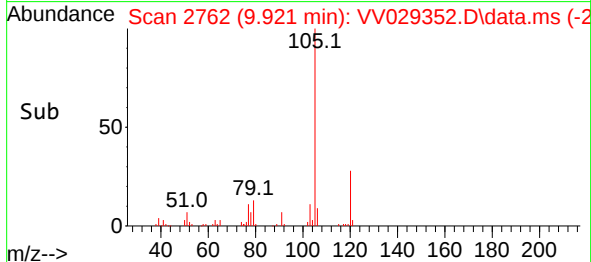
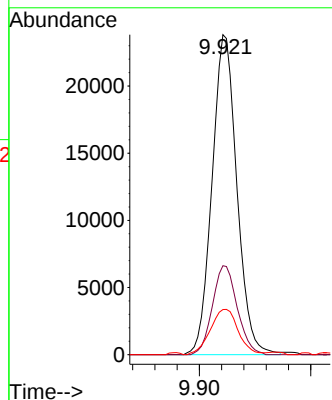
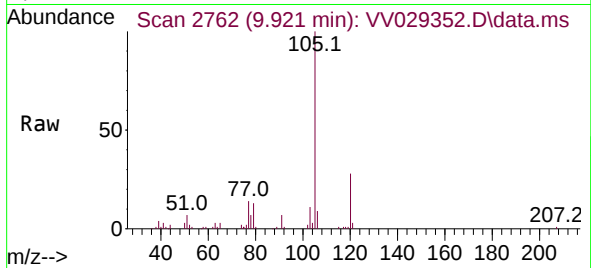




#60
Isopropylbenzene
Concen: 0.398 ug/L
RT: 9.921 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV029352.D
Acq: 25 Nov 2022 13:47

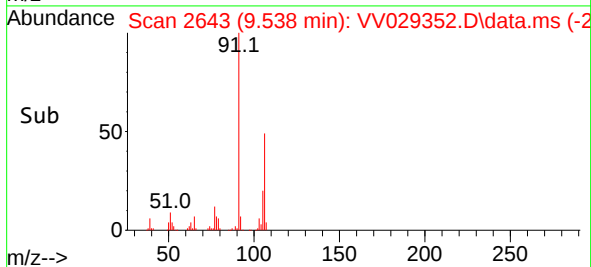
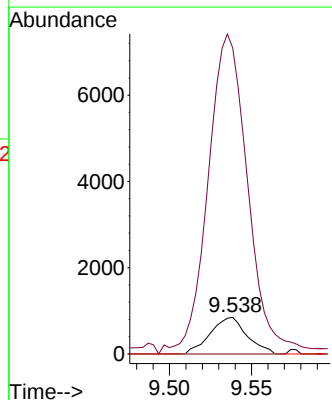
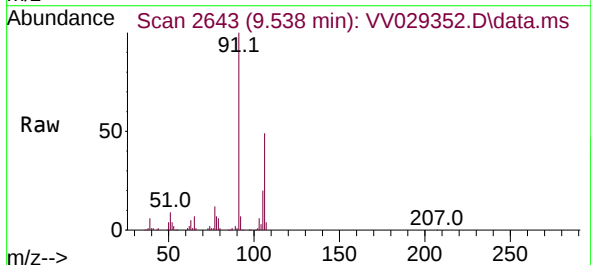
Instrument :
MSVOA_V
ClientSampleId :
BHB67DL

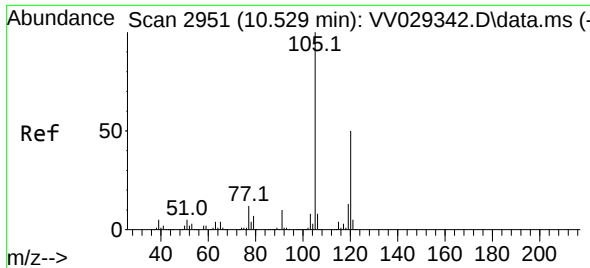
Tgt Ion:	105	Resp:	36871
Ion Ratio	Lower	Upper	
105	100		
120	27.8	21.4	32.2
77	15.9	11.8	17.8



#61
1,2,3-Trichloropropane
Concen: 0.132 ug/L
RT: 9.538 min Scan# 2643
Delta R.T. -0.723 min
Lab File: VV029352.D
Acq: 25 Nov 2022 13:47

Tgt Ion:	75	Resp:	1316
Ion Ratio	Lower	Upper	
75	100		
77	956.6	26.7	40.1#
110	0.0	32.2	48.4#

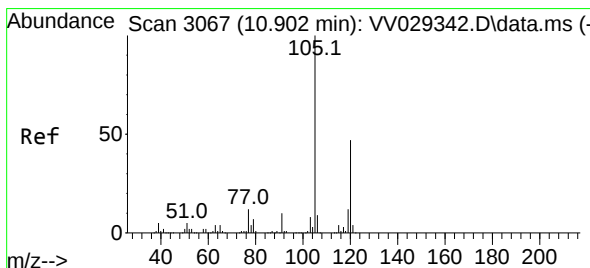
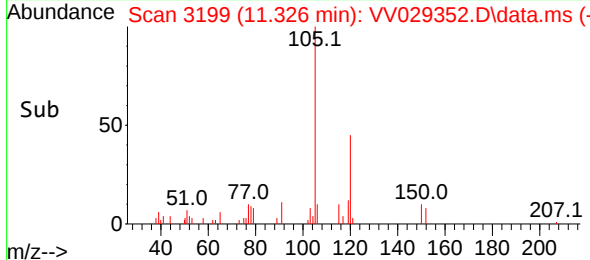
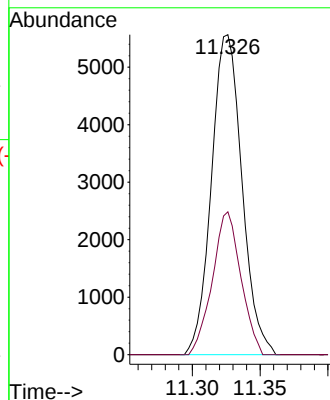
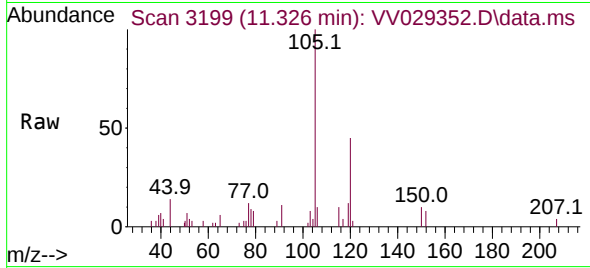




#62
1,3,5-Trimethylbenzene
Concen: 0.109 ug/L
RT: 11.326 min Scan# 3199
Delta R.T. 0.797 min
Lab File: VV029352.D
Acq: 25 Nov 2022 13:47

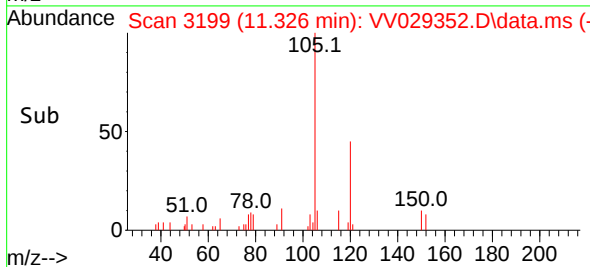
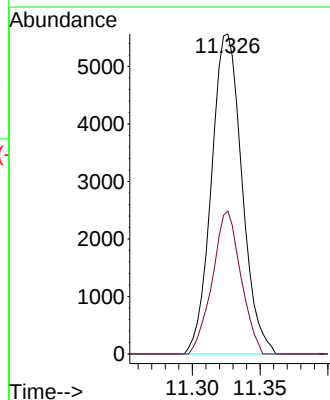
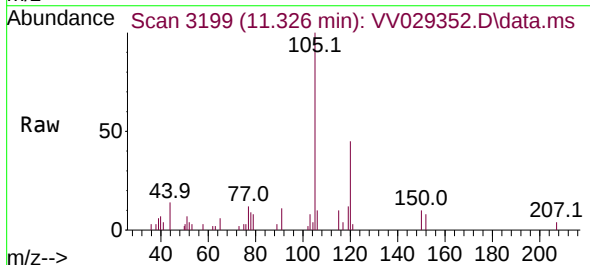
Instrument :
MSVOA_V
ClientSampleId :
BHB67DL

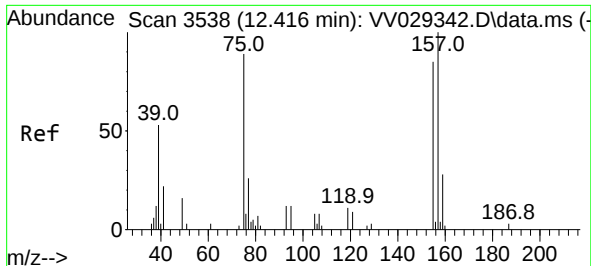
Tgt Ion:105 Resp: 8715
Ion Ratio Lower Upper
105 100
120 41.5 39.6 59.4



#63
1,2,4-Trimethylbenzene
Concen: 0.108 ug/L
RT: 11.326 min Scan# 3199
Delta R.T. 0.425 min
Lab File: VV029352.D
Acq: 25 Nov 2022 13:47

Tgt Ion:105 Resp: 8715
Ion Ratio Lower Upper
105 100
120 41.5 37.2 55.8

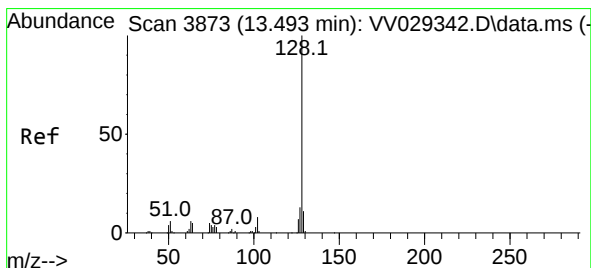
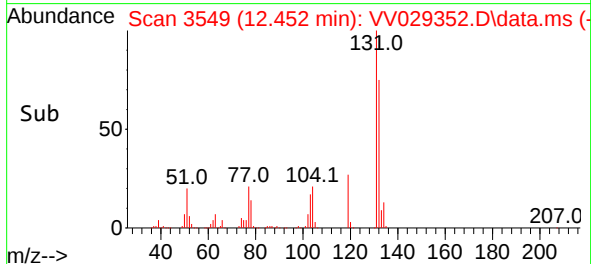
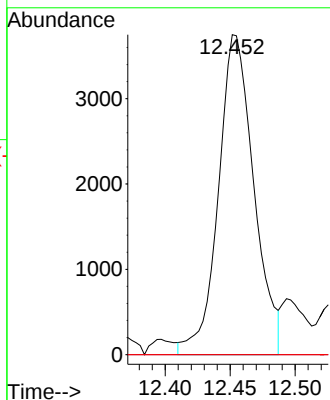
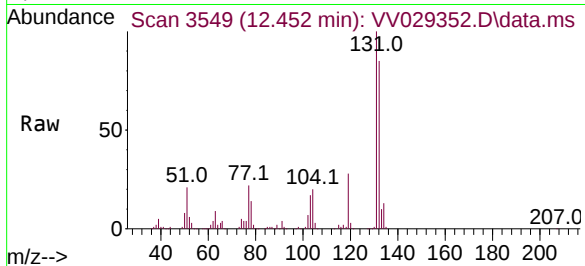




#68
 1,2-Dibromo-3-chloropropane
 Concen: 3.655 ug/L
 RT: 12.452 min Scan# 31
 Delta R.T. 0.035 min
 Lab File: VV029352.D
 Acq: 25 Nov 2022 13:47

Instrument :
 MSVOA_V
 ClientSampleId :
 BHB67DL

Tgt Ion: 75 Resp: 7129
 Ion Ratio Lower Upper
 75 100
 155 0.0 76.6 115.0#
 157 0.0 96.9 145.3#



#71
 Naphthalene
 Concen: 0.495 ug/L
 RT: 13.497 min Scan# 3874
 Delta R.T. 0.003 min
 Lab File: VV029352.D
 Acq: 25 Nov 2022 13:47

Tgt Ion: 128 Resp: 12364
 Ion Ratio Lower Upper
 128 100
 129 11.3 8.9 13.3
 127 12.9 10.6 15.8

