

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111122\
 Data File : VV028910.D
 Acq On : 12 Nov 2022 05:51
 Operator : SY/MD
 Sample : N5590-09
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GBMY0

Quant Time: Nov 14 00:24:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Nov 12 03:43:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	310774	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	289279	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.242	152	147192	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	84953	4.484	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.600%
7) Chloroethane-d5	1.564	69	76638	4.601	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.000%
11) 1,1-Dichloroethene-d2	2.105	63	114426	3.314	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.200%
20) 2-Butanone-d5	3.883	46	192998	60.853	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.700%
24) Chloroform-d	4.346	84	189647	4.875	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.600%
26) 1,2-Dichloroethane-d4	5.031	65	87247	4.985	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.800%
32) Benzene-d6	5.050	84	408855	4.735	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.800%
36) 1,2-Dichloropropane-d6	6.066	67	118266	4.905	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.200%
41) Toluene-d8	7.310	98	361835	4.655	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.200%
43) trans-1,3-Dichloroprop...	7.622	79	31963	4.065	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.200%
46) 2-Hexanone-d5	8.085	63	173759	51.766	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.540%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	83304	4.983	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.600%
66) 1,2-Dichlorobenzene-d4	11.615	152	135913	5.161	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.214	50	9929	0.462	ug/L #	69
5) Vinyl chloride	1.310	62	4265	0.174	ug/L #	35
8) Chloroethane	1.635	64	1257	0.087	ug/L	85
13) Acetone	2.172	43	251523	123.287	ug/L	83
15) Methyl Acetate	2.497	43	892553	180.270	ug/L #	44
16) Methylene chloride	2.503	84	63928	2.628	ug/L #	63
17) Methyl tert-butyl Ether	2.761	73	1348	0.033	ug/L #	1
18) trans-1,2-Dichloroethene	2.761	96	878	0.040	ug/L #	65
21) 2-Butanone	3.876	43	14639	4.635	ug/L	85
22) cis-1,2-Dichloroethene	3.905	96	297403	13.407	ug/L	98
25) Chloroform	4.410	83	22648	0.606	ug/L #	67
27) 1,2-Dichloroethane	5.101	62	492205	25.556	ug/L #	74
30) Cyclohexane	4.674	56	921948	26.723	ug/L	99
34) Trichloroethene	5.915	95	19963	0.882	ug/L	95
35) Methylcyclohexane	6.127	83	127463	3.205	ug/L #	77
37) 1,2-Dichloropropane	6.066	63	14546	0.714	ug/L #	90
38) Bromodichloromethane	6.558	83	4999	0.194	ug/L #	30
39) cis-1,3-Dichloropropene	6.985	75	2751	0.097	ug/L #	17
42) Toluene	7.387	91	77821	0.815	ug/L	97

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

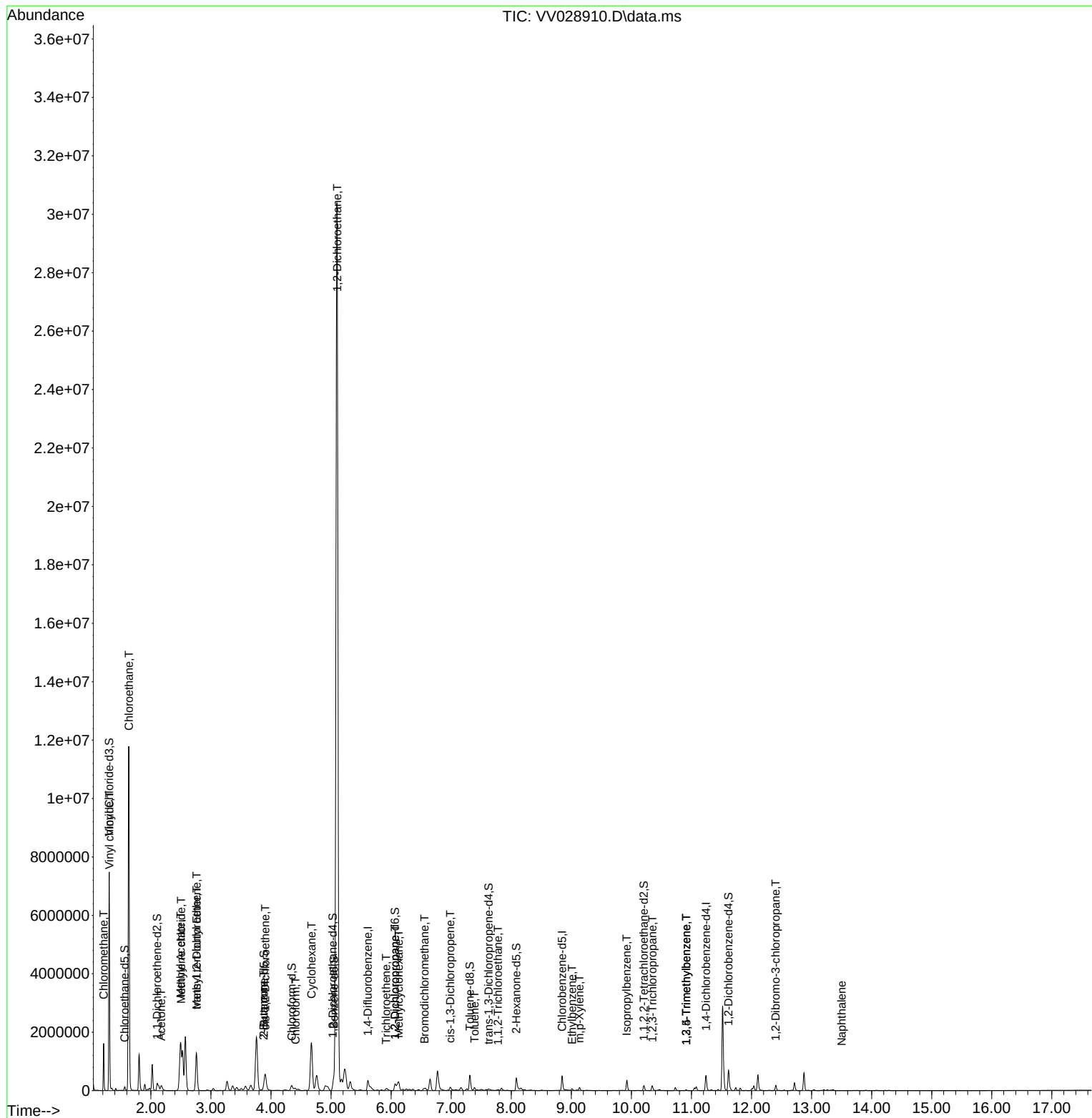
45) 1,1,2-Trichloroethane	7.780	97	12090	0.906	ug/L #	21
52) Ethylbenzene	9.011	91	45541	0.458	ug/L	99
53) m,p-Xylene	9.136	106	32023	0.810	ug/L	95
60) Isopropylbenzene	9.924	105	233498	2.444	ug/L	100
61) 1,2,3-Trichloropropane	10.352	75	1250	0.124	ug/L #	1
62) 1,3,5-Trimethylbenzene	10.911	105	16622	0.205	ug/L	89
63) 1,2,4-Trimethylbenzene	10.911	105	16622	0.205	ug/L	92
68) 1,2-Dibromo-3-chloropr...	12.403	75	1059	0.535	ug/L #	2
71) Naphthalene	13.503	128	3697	0.109	ug/L #	93

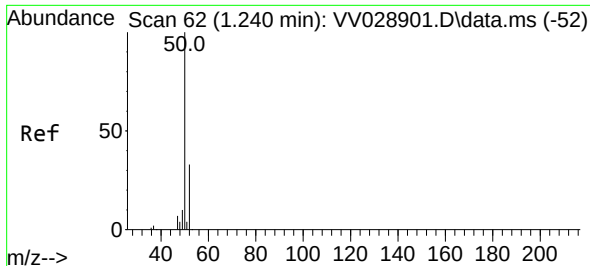
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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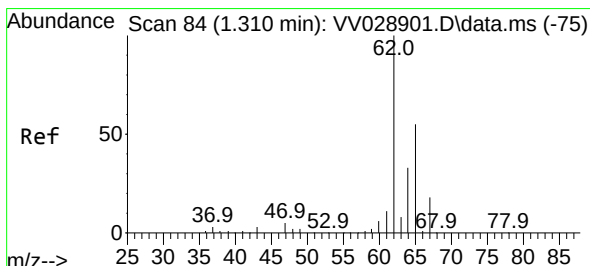
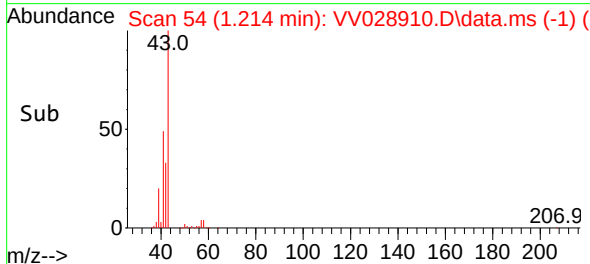
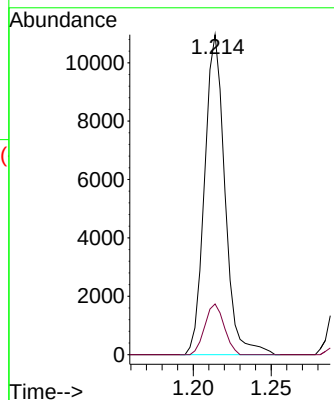
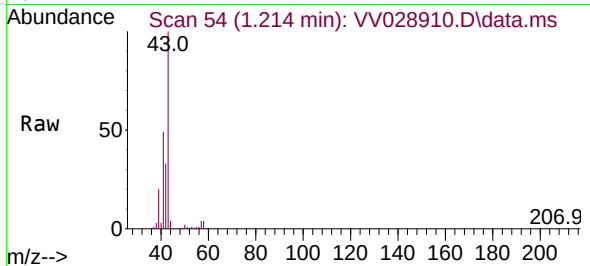




#3
Chloromethane
Concen: 0.462 ug/L
RT: 1.214 min Scan# 54
Delta R.T. -0.026 min
Lab File: VV028910.D
Acq: 12 Nov 2022 05:51

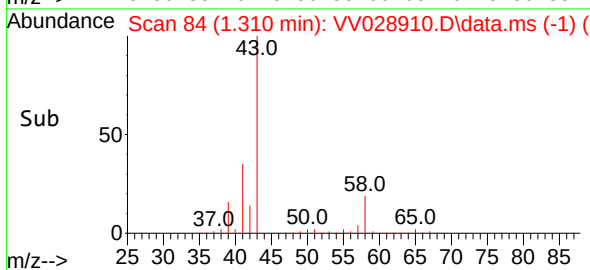
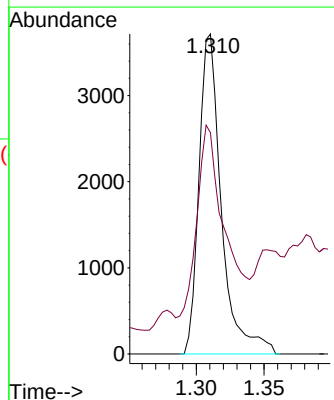
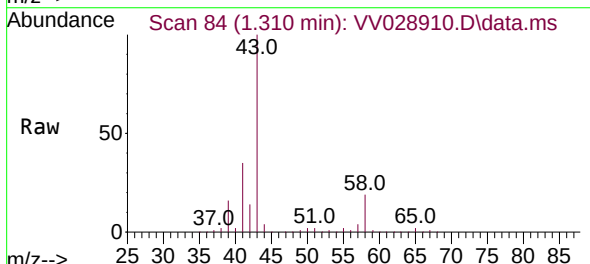
Instrument :
MSVOA_V
ClientSampleId :
GBMY0

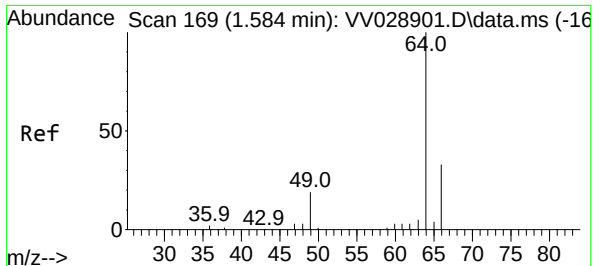
Tgt Ion: 50 Resp: 9929
Ion Ratio Lower Upper
50 100
52 15.8 23.7 43.9#



#5
Vinyl chloride
Concen: 0.174 ug/L
RT: 1.310 min Scan# 84
Delta R.T. -0.000 min
Lab File: VV028910.D
Acq: 12 Nov 2022 05:51

Tgt Ion: 62 Resp: 4265
Ion Ratio Lower Upper
62 100
64 69.2 22.8 42.4#

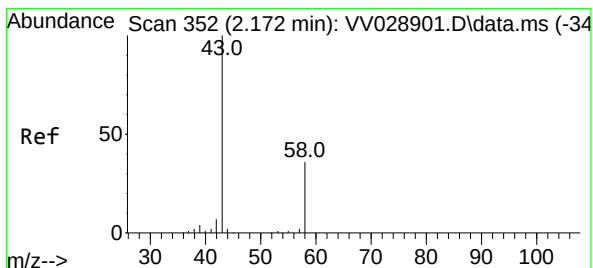
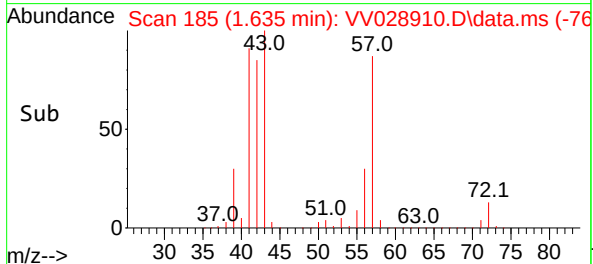
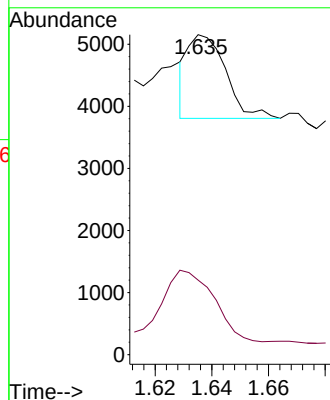
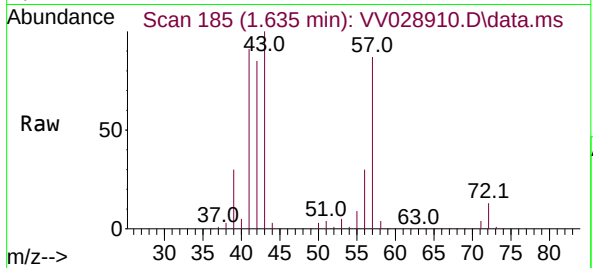




#8
Chloroethane
Concen: 0.087 ug/L
RT: 1.635 min Scan# 11
Delta R.T. 0.051 min
Lab File: VV028910.D
Acq: 12 Nov 2022 05:51

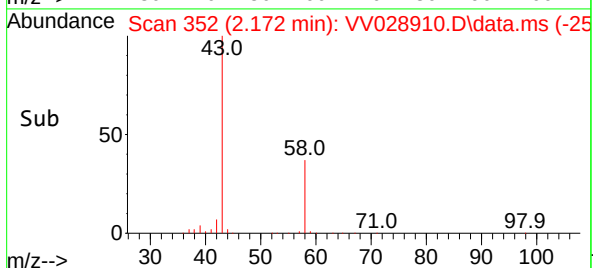
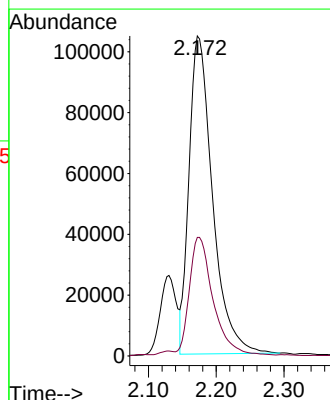
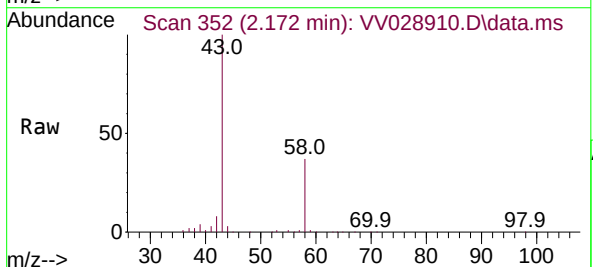
Instrument :
MSVOA_V
ClientSampleId :
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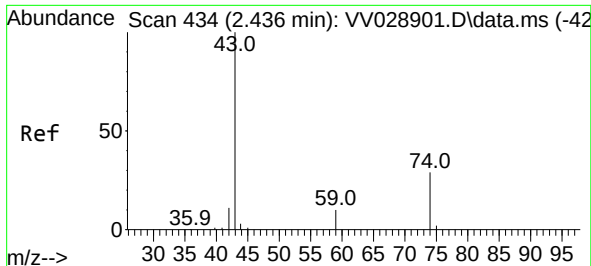
Tgt Ion: 64 Resp: 1257
Ion Ratio Lower Upper
64 100
66 23.3 22.0 40.8



#13
Acetone
Concen: 123.287 ug/L
RT: 2.172 min Scan# 352
Delta R.T. -0.000 min
Lab File: VV028910.D
Acq: 12 Nov 2022 05:51

Tgt Ion: 43 Resp: 251523
Ion Ratio Lower Upper
43 100
58 37.0 0.0 56.6

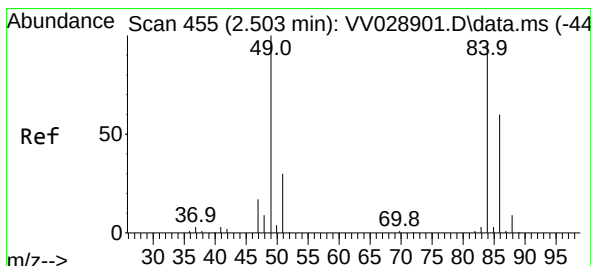
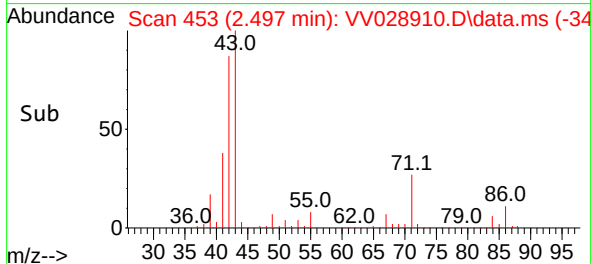
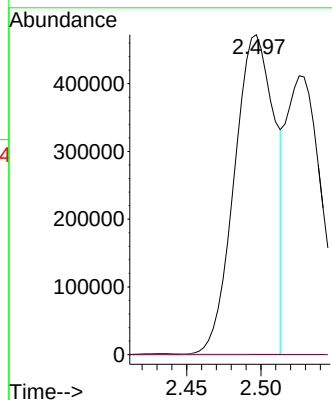
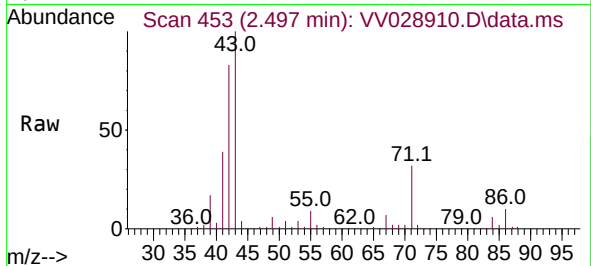




#15
Methyl Acetate
Concen: 180.270 ug/L
RT: 2.497 min Scan# 434
Delta R.T. 0.061 min
Lab File: VV028910.D
Acq: 12 Nov 2022 05:51

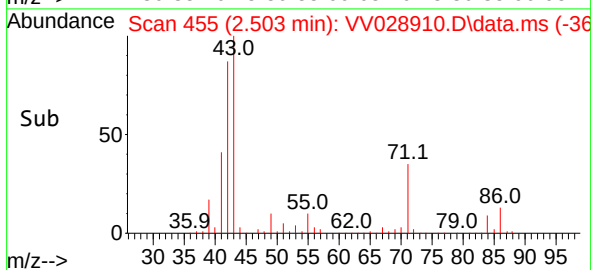
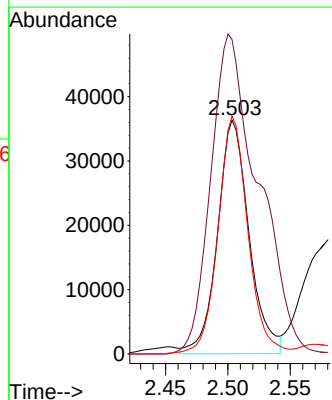
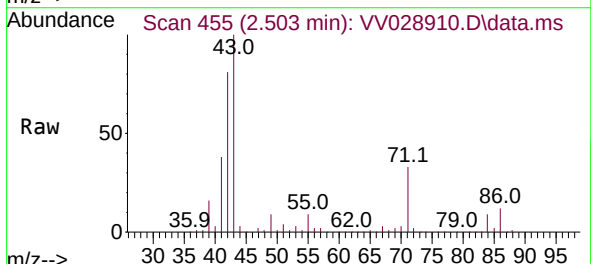
Instrument :
MSVOA_V
ClientSampleId :
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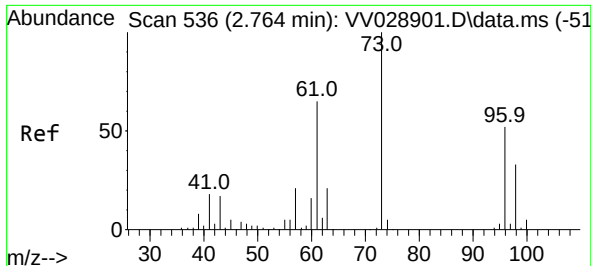
Tgt Ion: 43 Resp: 892553
Ion Ratio Lower Upper
43 100
74 0.0 24.6 37.0#



#16
Methylene chloride
Concen: 2.628 ug/L
RT: 2.503 min Scan# 455
Delta R.T. -0.000 min
Lab File: VV028910.D
Acq: 12 Nov 2022 05:51

Tgt Ion: 84 Resp: 63928
Ion Ratio Lower Upper
84 100
86 134.4 45.8 85.0#
49 101.7 75.5 140.1





#17

Methyl tert-butyl Ether

Concen: 0.033 ug/L

RT: 2.761 min Scan# 535

Delta R.T. -0.003 min

Lab File: VV028910.D

Acq: 12 Nov 2022 05:51

Instrument :

MSVOA_V

ClientSampleId :

GBMY0

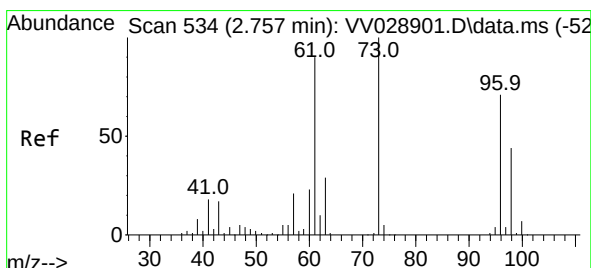
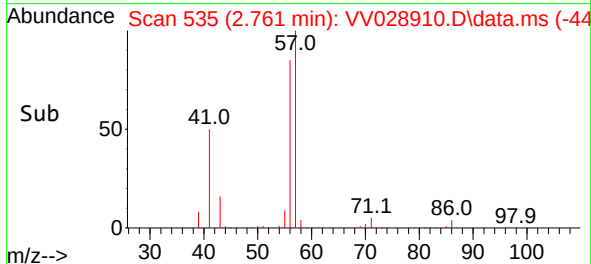
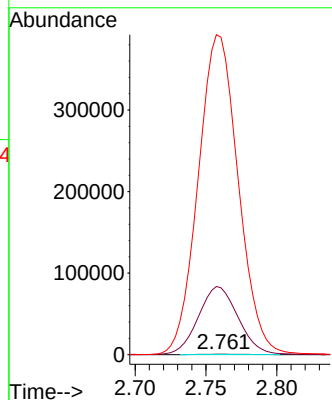
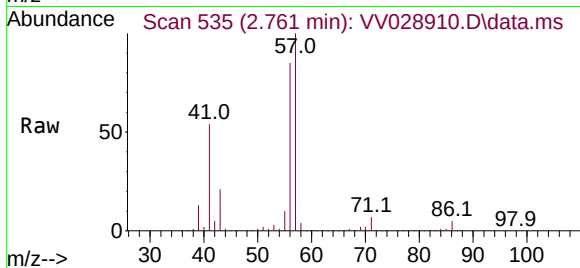
Tgt Ion: 73 Resp: 1348

Ion Ratio Lower Upper

73 100

43 12023.0 13.0 19.4#

57 57451.1 16.6 24.8#



#18

trans-1,2-Dichloroethene

Concen: 0.040 ug/L

RT: 2.761 min Scan# 535

Delta R.T. 0.003 min

Lab File: VV028910.D

Acq: 12 Nov 2022 05:51

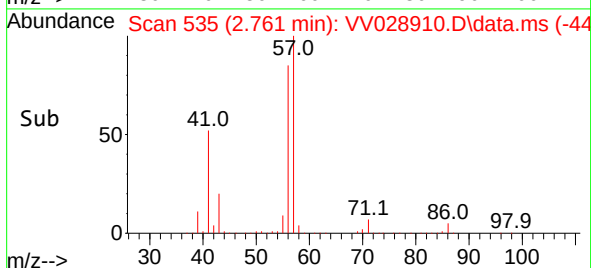
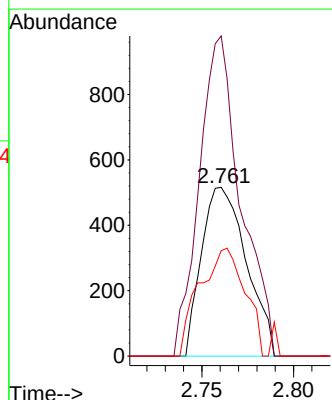
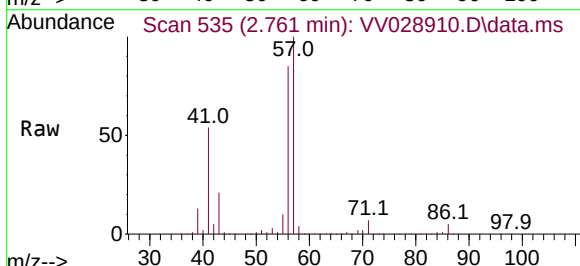
Tgt Ion: 96 Resp: 878

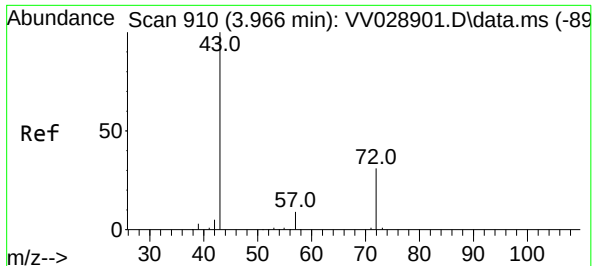
Ion Ratio Lower Upper

96 100

61 189.7 91.8 170.6#

98 62.4 46.4 86.2

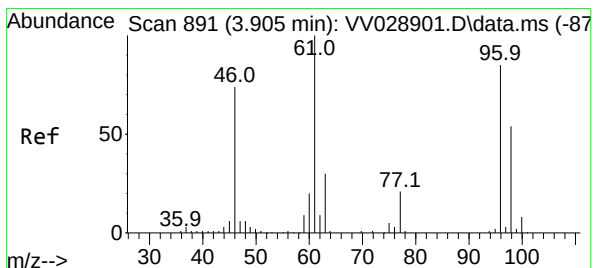
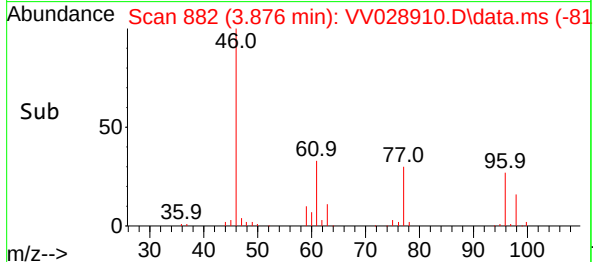
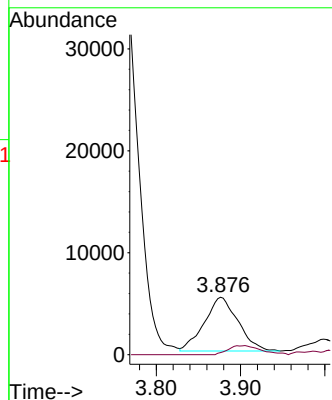
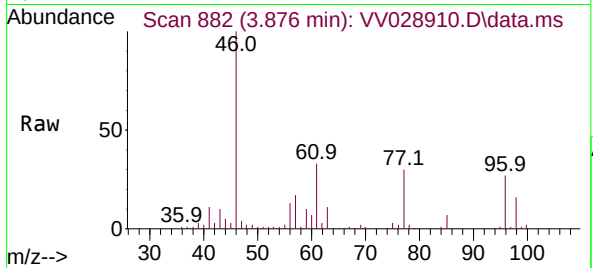




#21
2-Butanone
Concen: 4.635 ug/L
RT: 3.876 min Scan# 882
Delta R.T. -0.090 min
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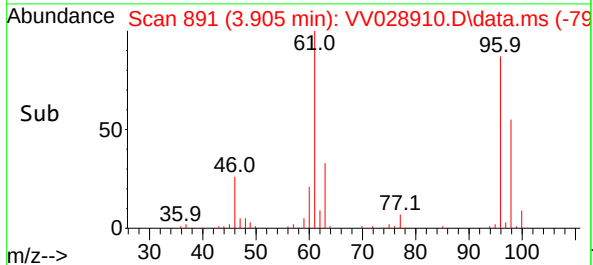
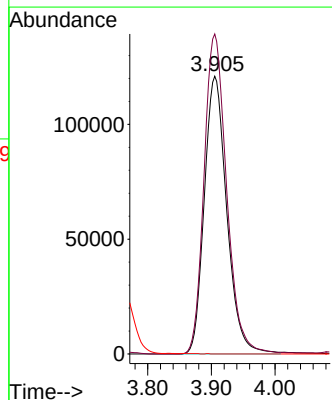
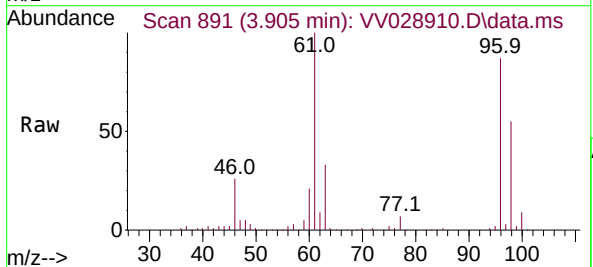
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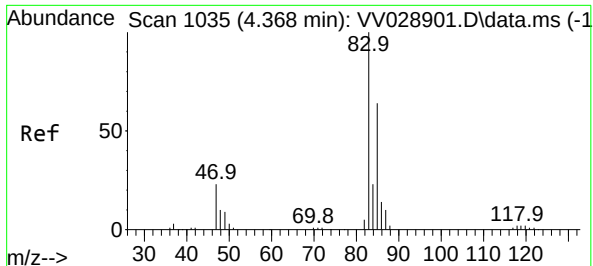
Tgt Ion: 43 Resp: 14639
Ion Ratio Lower Upper
43 100
72 16.3 11.9 35.9



#22
cis-1,2-Dichloroethene
Concen: 13.407 ug/L
RT: 3.905 min Scan# 891
Delta R.T. -0.000 min
Lab File: VV028910.D
Acq: 12 Nov 2022 05:51

Tgt Ion: 96 Resp: 297403
Ion Ratio Lower Upper
96 100
61 115.2 82.3 152.9
68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.606 ug/L

RT: 4.410 min Scan# 1048

Delta R.T. 0.042 min

Lab File: VV028910.D

Acq: 12 Nov 2022 05:51

Instrument :

MSVOA_V

ClientSampleId :

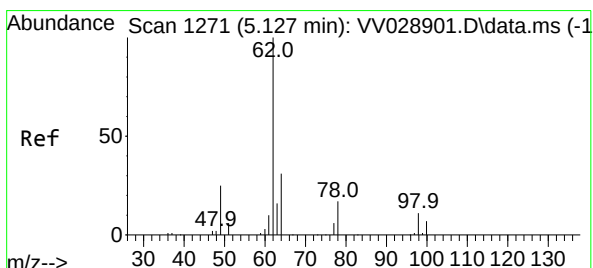
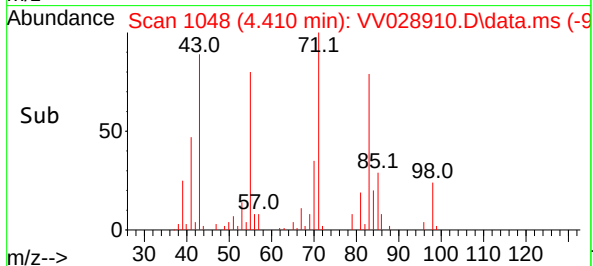
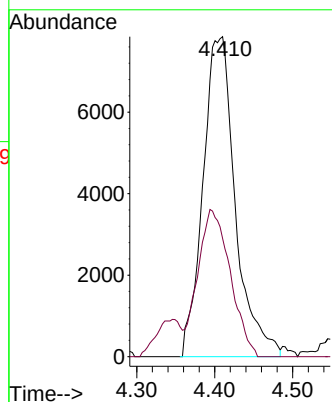
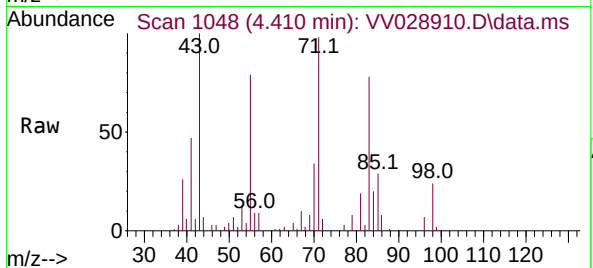
GBMY0

Tgt Ion: 83 Resp: 22648

Ion Ratio Lower Upper

83 100

85 36.9 43.7 81.1#



#27

1,2-Dichloroethane

Concen: 25.556 ug/L

RT: 5.101 min Scan# 1263

Delta R.T. -0.026 min

Lab File: VV028910.D

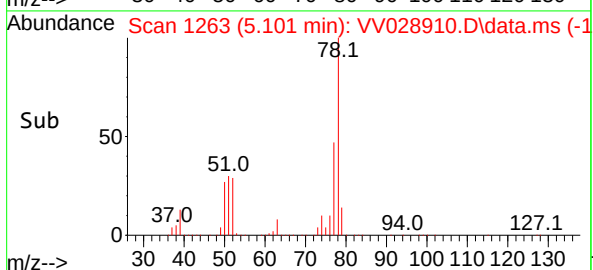
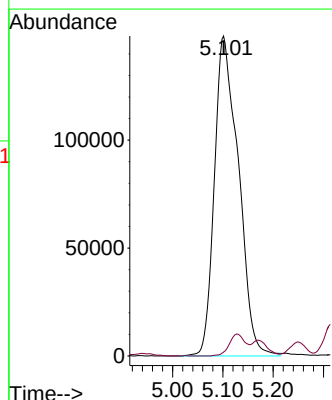
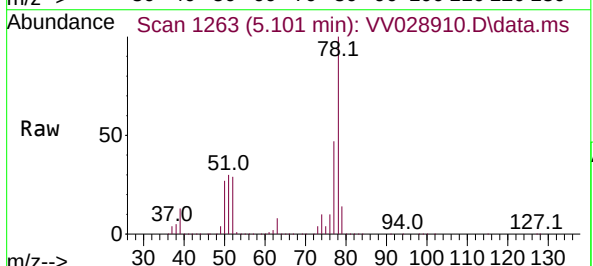
Acq: 12 Nov 2022 05:51

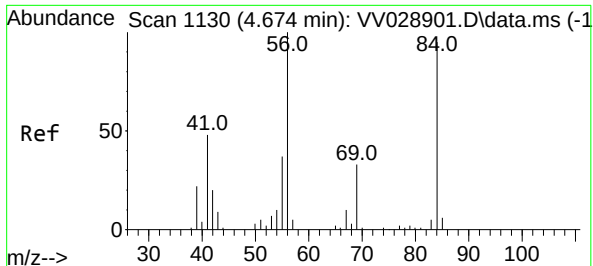
Tgt Ion: 62 Resp: 492205

Ion Ratio Lower Upper

62 100

98 1.2 9.0 13.6#

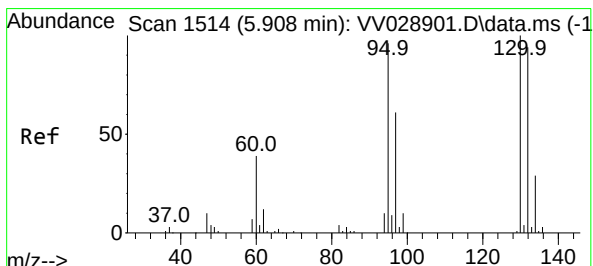
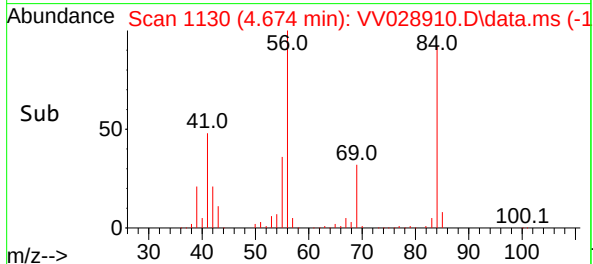
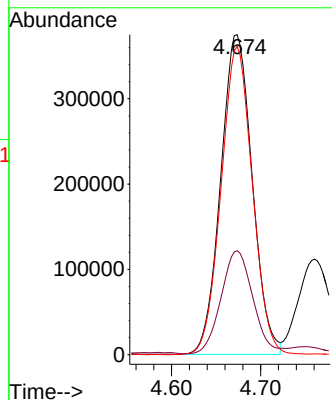
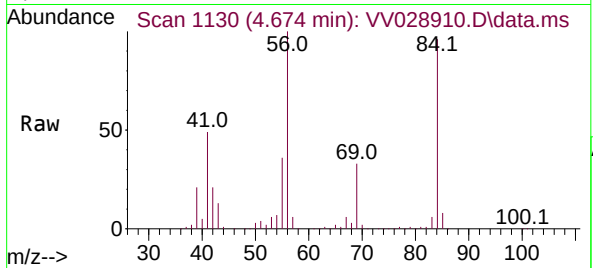




#30
Cyclohexane
Concen: 26.723 ug/L
RT: 4.674 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VV028910.D
Acq: 12 Nov 2022 05:51

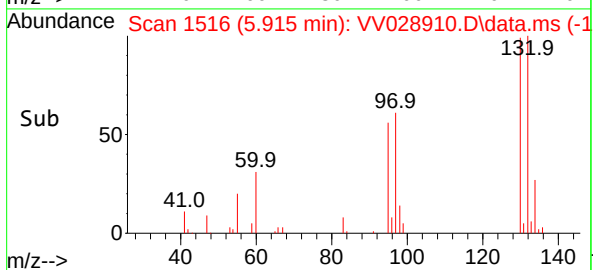
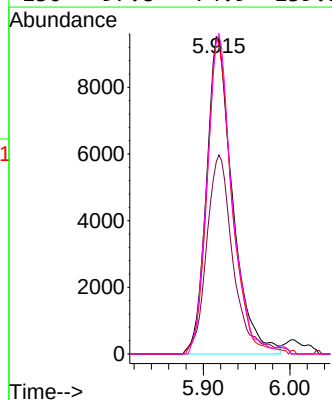
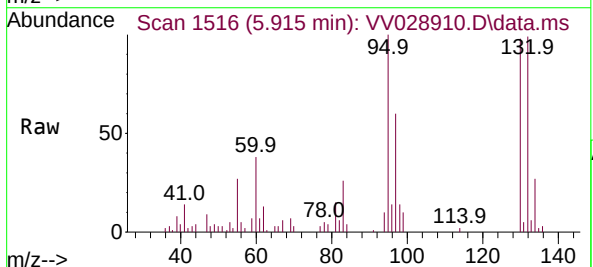
Instrument :
MSVOA_V
ClientSampleId :
GBMY0

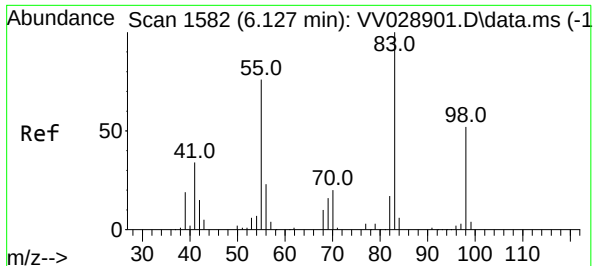
Tgt Ion: 56 Resp: 921948
Ion Ratio Lower Upper
56 100
69 32.7 26.1 39.1
84 95.5 77.9 116.9



#34
Trichloroethene
Concen: 0.882 ug/L
RT: 5.915 min Scan# 1516
Delta R.T. 0.006 min
Lab File: VV028910.D
Acq: 12 Nov 2022 05:51

Tgt Ion: 95 Resp: 19963
Ion Ratio Lower Upper
95 100
97 60.4 45.6 84.8
132 99.2 69.1 128.3
130 97.8 74.9 139.1





#35

Methylcyclohexane

Concen: 3.205 ug/L

RT: 6.127 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV028910.D

Acq: 12 Nov 2022 05:51

Instrument :

MSVOA_V

ClientSampleId :

GBMY0

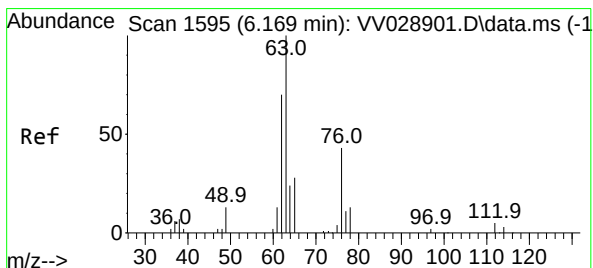
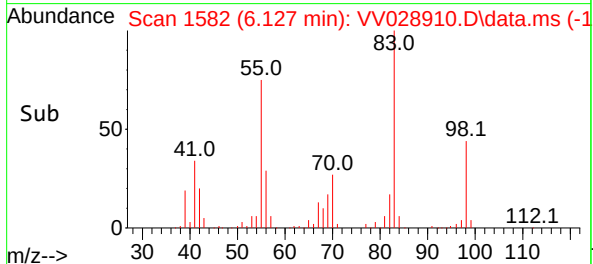
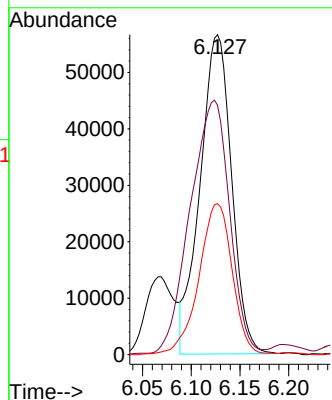
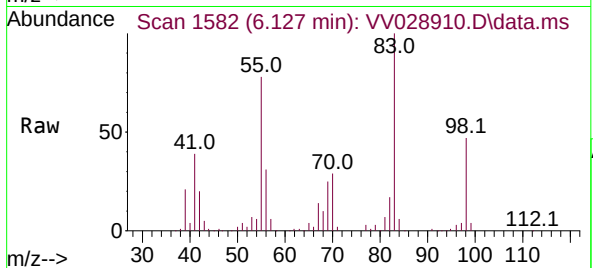
Tgt Ion: 83 Resp: 127463

Ion Ratio Lower Upper

83 100

55 99.1 55.8 83.6#

98 50.2 38.2 57.2



#37

1,2-Dichloropropane

Concen: 0.714 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.103 min

Lab File: VV028910.D

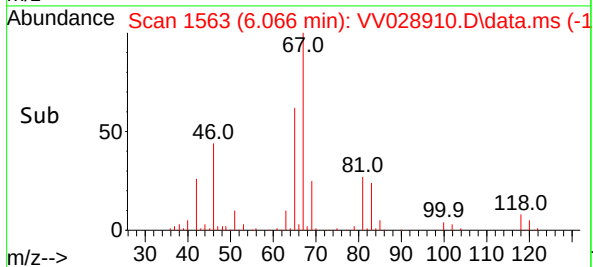
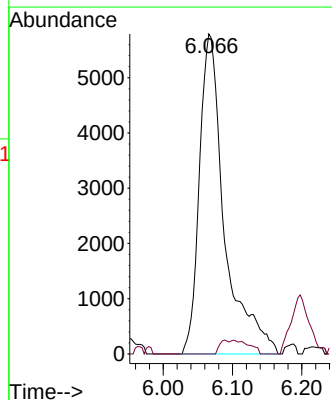
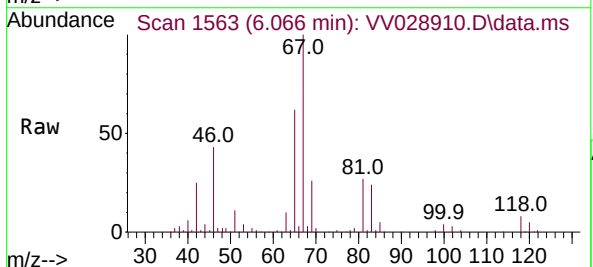
Acq: 12 Nov 2022 05:51

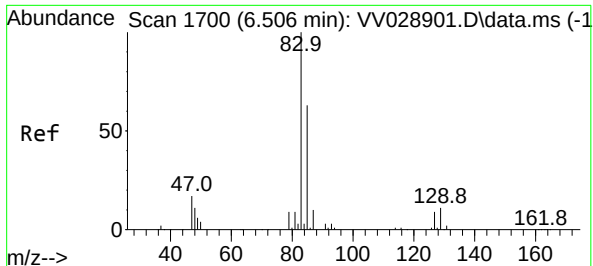
Tgt Ion: 63 Resp: 14546

Ion Ratio Lower Upper

63 100

112 1.6 4.0 6.0#

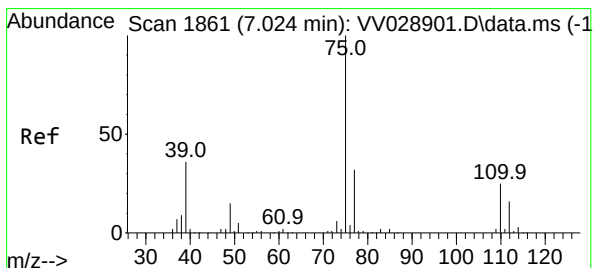
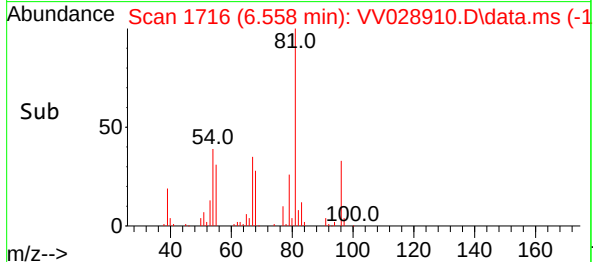
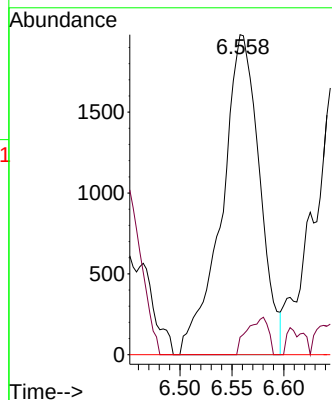
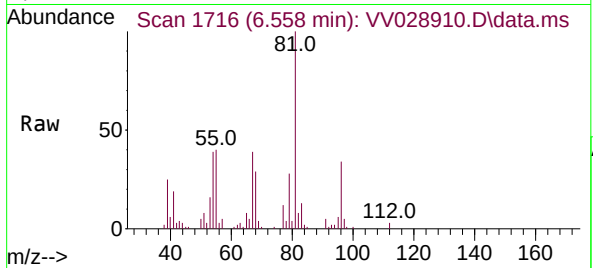




#38
Bromodichloromethane
Concen: 0.194 ug/L
RT: 6.558 min Scan# 11
Delta R.T. 0.051 min
Lab File: VV028910.D
Acq: 12 Nov 2022 05:51

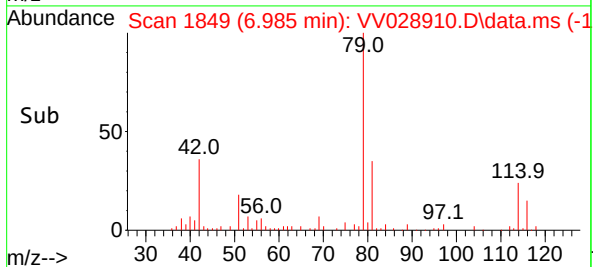
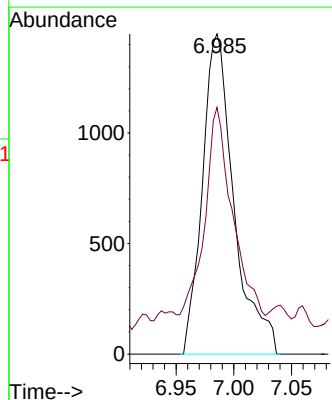
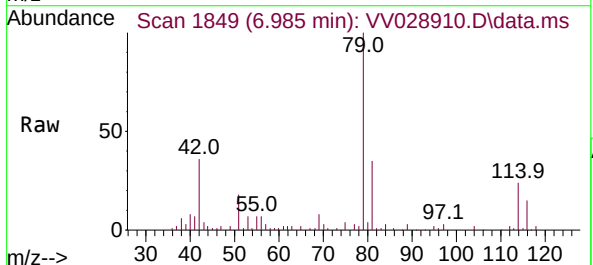
Instrument :
MSVOA_V
ClientSampleId :
GBMY0

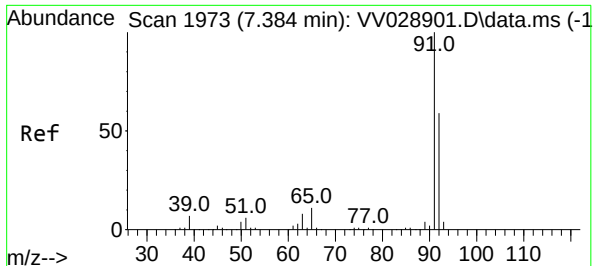
Tgt Ion: 83 Resp: 4999
Ion Ratio Lower Upper
83 100
85 5.5 46.1 85.5#
127 0.0 6.7 10.1#



#39
cis-1,3-Dichloropropene
Concen: 0.097 ug/L
RT: 6.985 min Scan# 1849
Delta R.T. -0.039 min
Lab File: VV028910.D
Acq: 12 Nov 2022 05:51

Tgt Ion: 75 Resp: 2751
Ion Ratio Lower Upper
75 100
77 77.1 21.8 40.6#

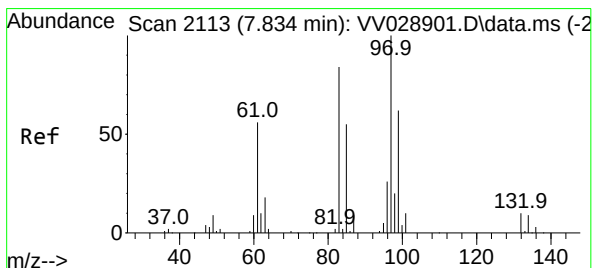
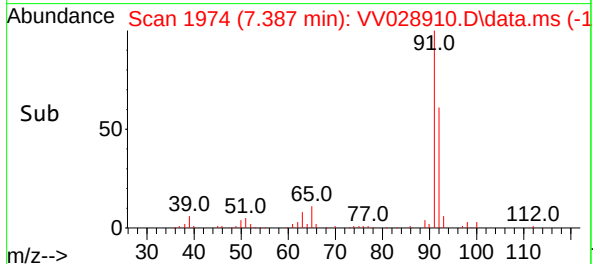
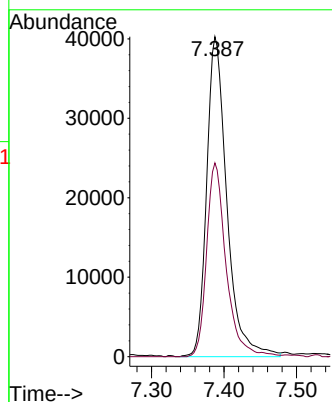
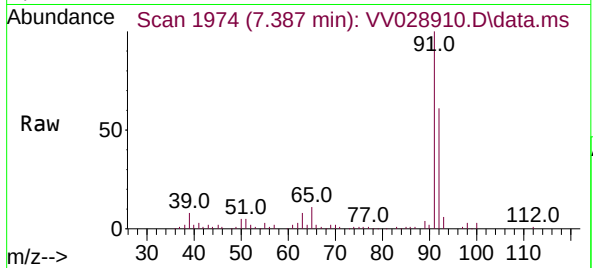




#42
Toluene
Concen: 0.815 ug/L
RT: 7.387 min Scan# 1973
Delta R.T. 0.003 min
Lab File: VV028910.D
Acq: 12 Nov 2022 05:51

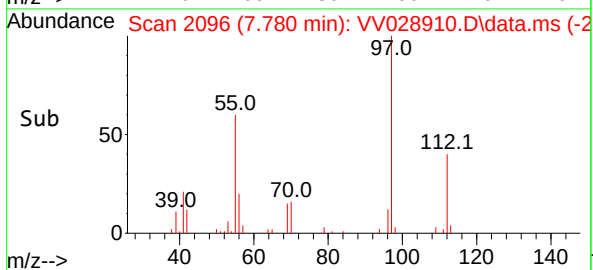
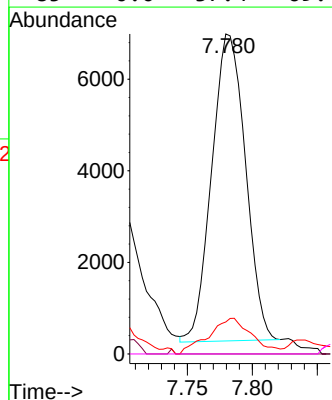
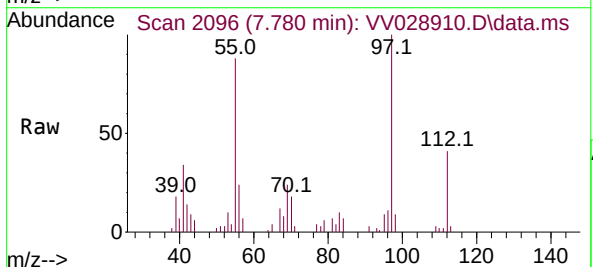
Instrument :
MSVOA_V
ClientSampleId :
GBMY0

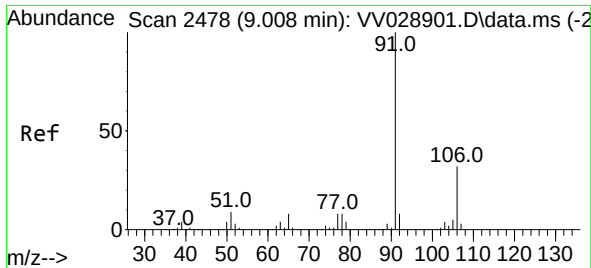
Tgt Ion: 91 Resp: 77821
Ion Ratio Lower Upper
91 100
92 60.5 40.7 75.5



#45
1,1,2-Trichloroethane
Concen: 0.906 ug/L
RT: 7.780 min Scan# 2096
Delta R.T. -0.055 min
Lab File: VV028910.D
Acq: 12 Nov 2022 05:51

Tgt Ion: 97 Resp: 12090
Ion Ratio Lower Upper
97 100
99 0.0 41.5 77.1#
83 10.0 60.0 111.4#
85 0.0 37.4 69.4#

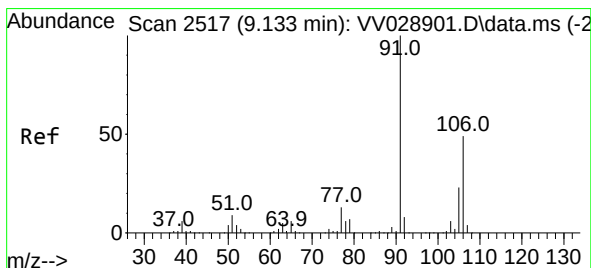
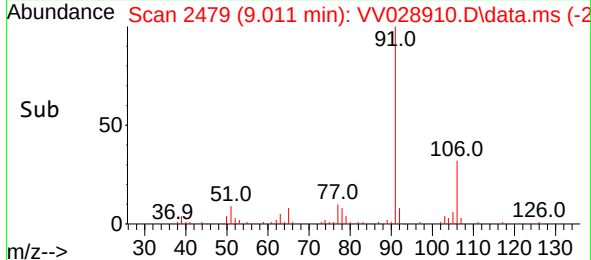
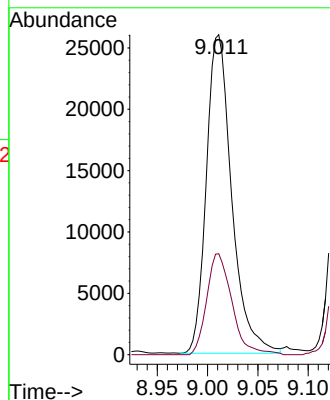
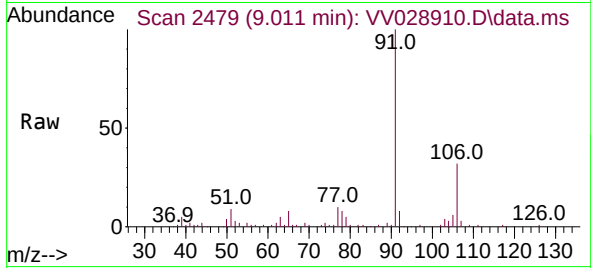




#52
Ethylbenzene
Concen: 0.458 ug/L
RT: 9.011 min Scan# 2478
Delta R.T. 0.003 min
Lab File: VV028910.D
Acq: 12 Nov 2022 05:51

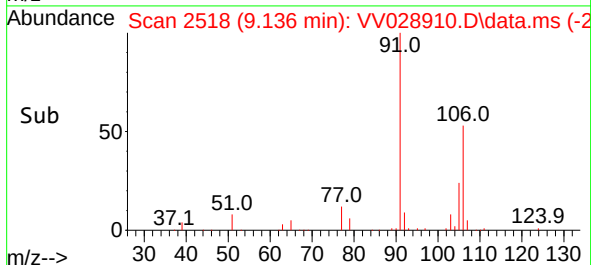
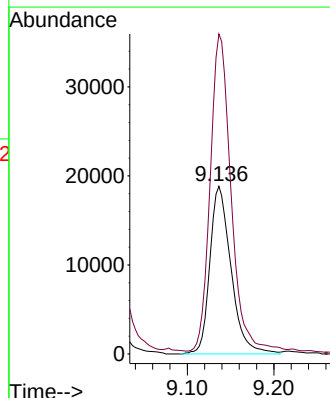
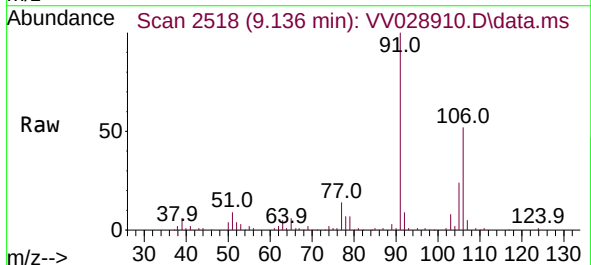
Instrument :
MSVOA_V
ClientSampleId :
GBMY0

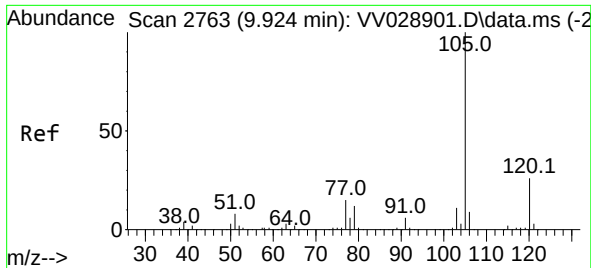
Tgt Ion: 91 Resp: 45541
Ion Ratio Lower Upper
91 100
106 31.6 21.6 40.2



#53
m,p-Xylene
Concen: 0.810 ug/L
RT: 9.136 min Scan# 2518
Delta R.T. 0.003 min
Lab File: VV028910.D
Acq: 12 Nov 2022 05:51

Tgt Ion: 106 Resp: 32023
Ion Ratio Lower Upper
106 100
91 190.9 139.1 258.3

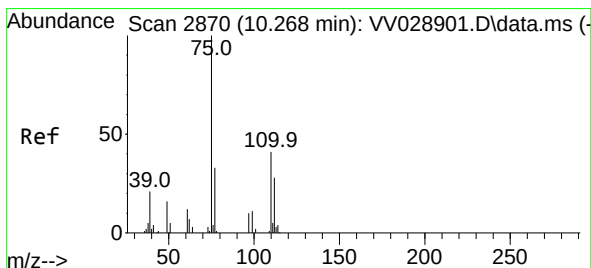
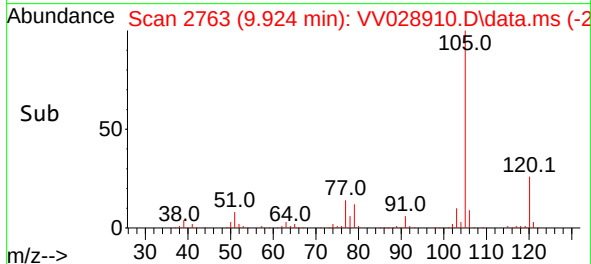
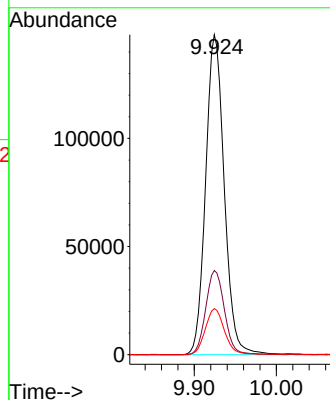
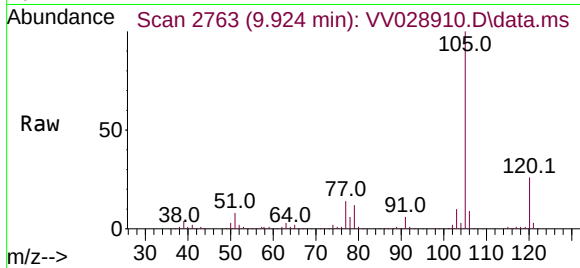




#60
Isopropylbenzene
Concen: 2.444 ug/L
RT: 9.924 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV028910.D
Acq: 12 Nov 2022 05:51

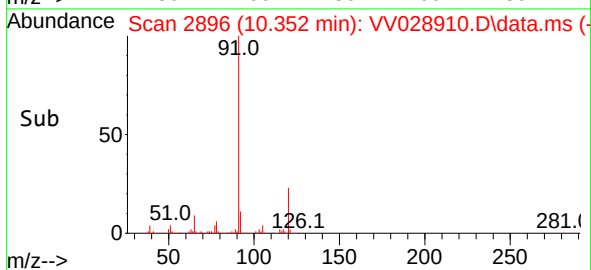
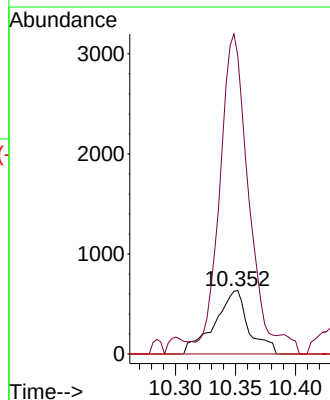
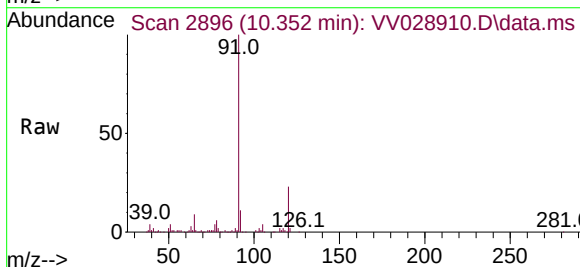
Instrument :
MSVOA_V
ClientSampleId :
GBMY0

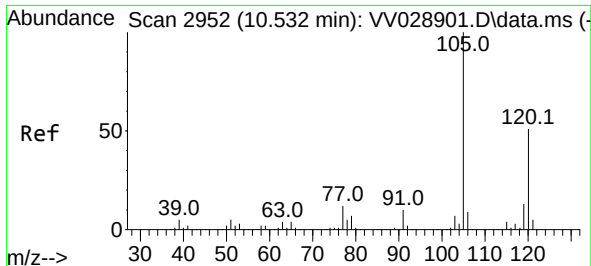
Tgt Ion:105 Resp: 233498
Ion Ratio Lower Upper
105 100
120 26.5 21.3 31.9
77 14.9 11.8 17.8



#61
1,2,3-Trichloropropane
Concen: 0.124 ug/L
RT: 10.352 min Scan# 2896
Delta R.T. 0.084 min
Lab File: VV028910.D
Acq: 12 Nov 2022 05:51

Tgt Ion: 75 Resp: 1250
Ion Ratio Lower Upper
75 100
77 382.5 26.2 39.2#
110 0.0 32.6 48.8#





#62

1,3,5-Trimethylbenzene

Concen: 0.205 ug/L

RT: 10.911 min Scan# 3070

Delta R.T. 0.379 min

Lab File: VV028910.D

Acq: 12 Nov 2022 05:51

Instrument :

MSVOA_V

ClientSampleId :

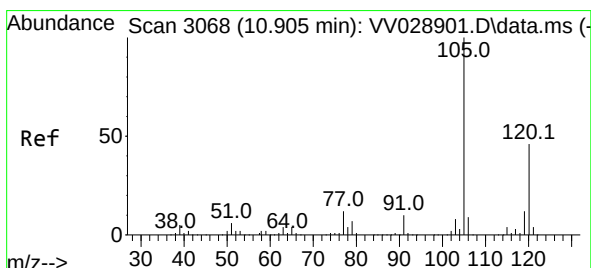
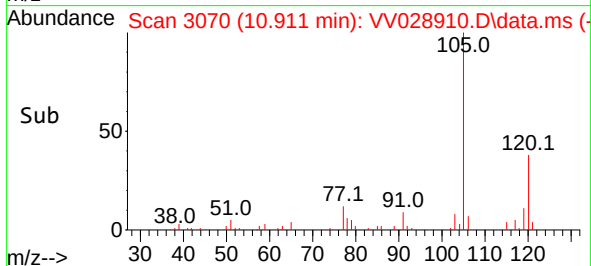
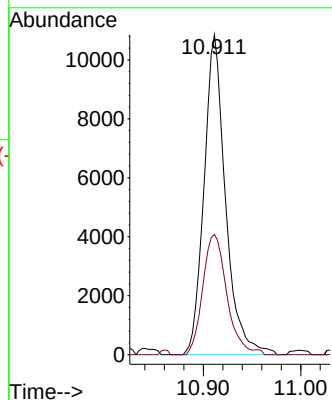
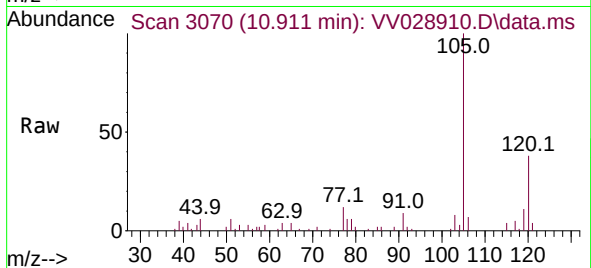
GBMY0

Tgt Ion:105 Resp: 16622

Ion Ratio Lower Upper

105 100

120 42.2 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 0.205 ug/L

RT: 10.911 min Scan# 3070

Delta R.T. 0.006 min

Lab File: VV028910.D

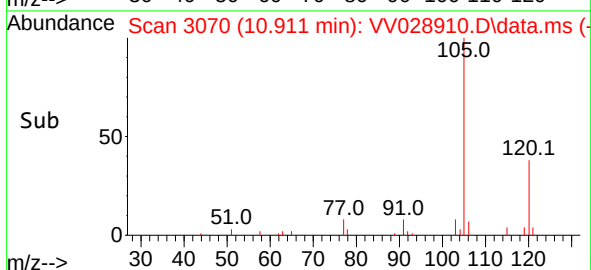
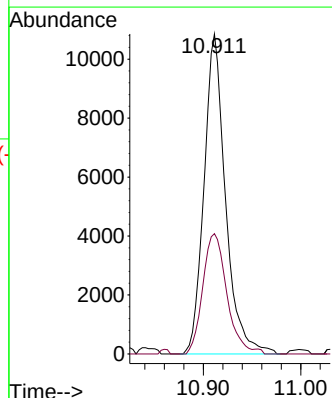
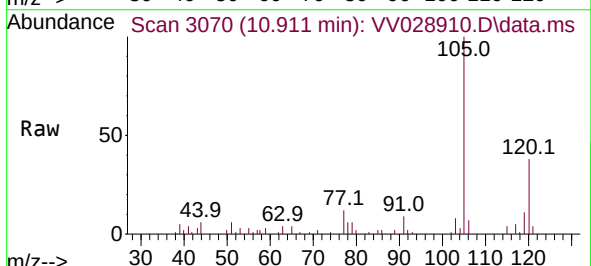
Acq: 12 Nov 2022 05:51

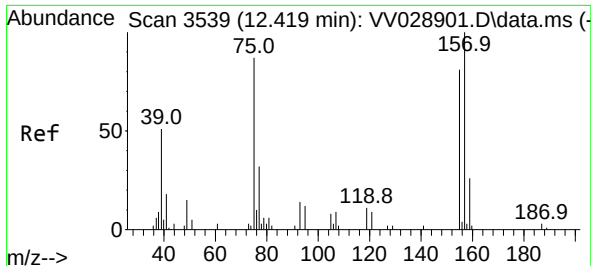
Tgt Ion:105 Resp: 16622

Ion Ratio Lower Upper

105 100

120 42.2 37.8 56.8

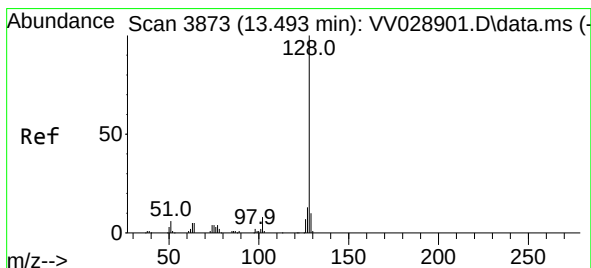
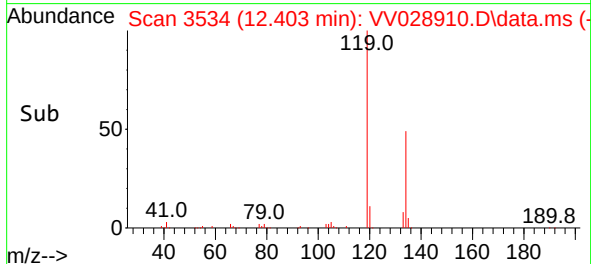
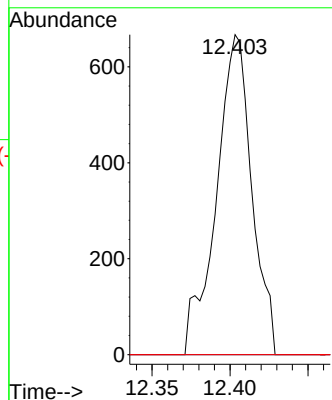
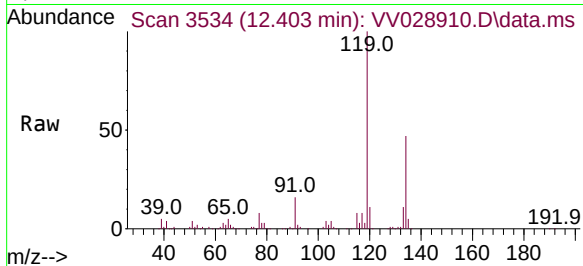




#68
1,2-Dibromo-3-chloropropane
Concen: 0.535 ug/L
RT: 12.403 min Scan# 3534
Delta R.T. -0.016 min
Lab File: VV028910.D
Acq: 12 Nov 2022 05:51

Instrument :
MSVOA_V
ClientSampleId :
GBMY0

Tgt Ion: 75 Resp: 1059
Ion Ratio Lower Upper
75 100
155 0.0 64.8 97.2#
157 0.0 86.3 129.5#



#71
Naphthalene
Concen: 0.109 ug/L
RT: 13.503 min Scan# 3876
Delta R.T. 0.010 min
Lab File: VV028910.D
Acq: 12 Nov 2022 05:51

Tgt Ion: 128 Resp: 3697
Ion Ratio Lower Upper
128 100
129 9.4 8.8 13.2
127 8.5 9.8 14.8#

