

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW092722\
 Data File : VW028133.D
 Acq On : 27 Sep 2022 12:40
 Operator : SY/MD
 Sample : N4820-02
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 CB8L0

Quant Time: Sep 28 03:09:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 28 03:08:11 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	185219	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	189799	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	109198	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.298	65	60783	3.165	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	63.400%
7) Chloroethane-d5	1.561	69	57614	3.774	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.400%
11) 1,1-Dichloroethene-d2	2.098	63	82075	2.464	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	49.200%#
20) 2-Butanone-d5	3.912	46	146657	45.239	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.480%
24) Chloroform-d	4.342	84	130987	4.275	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.400%
26) 1,2-Dichloroethane-d4	5.031	65	67169	4.607	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.200%
32) Benzene-d6	5.043	84	242901	3.903	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.000%
36) 1,2-Dichloropropane-d6	6.066	67	81970	4.225	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.400%
41) Toluene-d8	7.313	98	194438	3.452	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.000%#
43) trans-1,3-Dichloroprop...	7.622	79	28147	4.016	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.400%
46) 2-Hexanone-d5	8.088	63	141061	48.226	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.460%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	64681	4.877	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.600%
66) 1,2-Dichlorobenzene-d4	11.619	152	97555	4.555	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.236	50	2038	0.111	ug/L #	79
5) Vinyl chloride	1.404	62	672	0.047	ug/L	91
13) Acetone	2.214	43	10645	4.263	ug/L	80
14) Carbon disulfide	2.285	76	2145	0.087	ug/L #	88
17) Methyl tert-butyl Ether	2.770	73	2509	0.091	ug/L #	72
22) cis-1,2-Dichloroethene	3.915	96	1395	0.095	ug/L	100
30) Cyclohexane	4.670	56	3912	0.232	ug/L	87
33) Benzene	5.098	78	8600	0.163	ug/L	100
35) Methylcyclohexane	6.124	83	3793	0.211	ug/L #	93
37) 1,2-Dichloropropane	6.066	63	9045	0.612	ug/L #	87
51) Chlorobenzene	8.876	112	539384	14.628	ug/L	99
52) Ethylbenzene	9.018	91	4099	0.070	ug/L	97
53) m,p-Xylene	9.140	106	5326	0.239	ug/L	94
54) o-Xylene	9.545	106	6055	0.275	ug/L	96
60) Isopropylbenzene	9.927	105	200908	3.134	ug/L	99
61) 1,2,3-Trichloropropane	9.927	75	2313	0.253	ug/L #	1
62) 1,3,5-Trimethylbenzene	10.915	105	15976	0.885	ug/L	89
63) 1,2,4-Trimethylbenzene	10.915	105	15976	0.317	ug/L	94
64) 1,3-Dichlorobenzene	11.181	146	4913	0.154	ug/L	96

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QLast Update : Wed Sep 28 03:08:11 2022
Response via : Initial Calibration

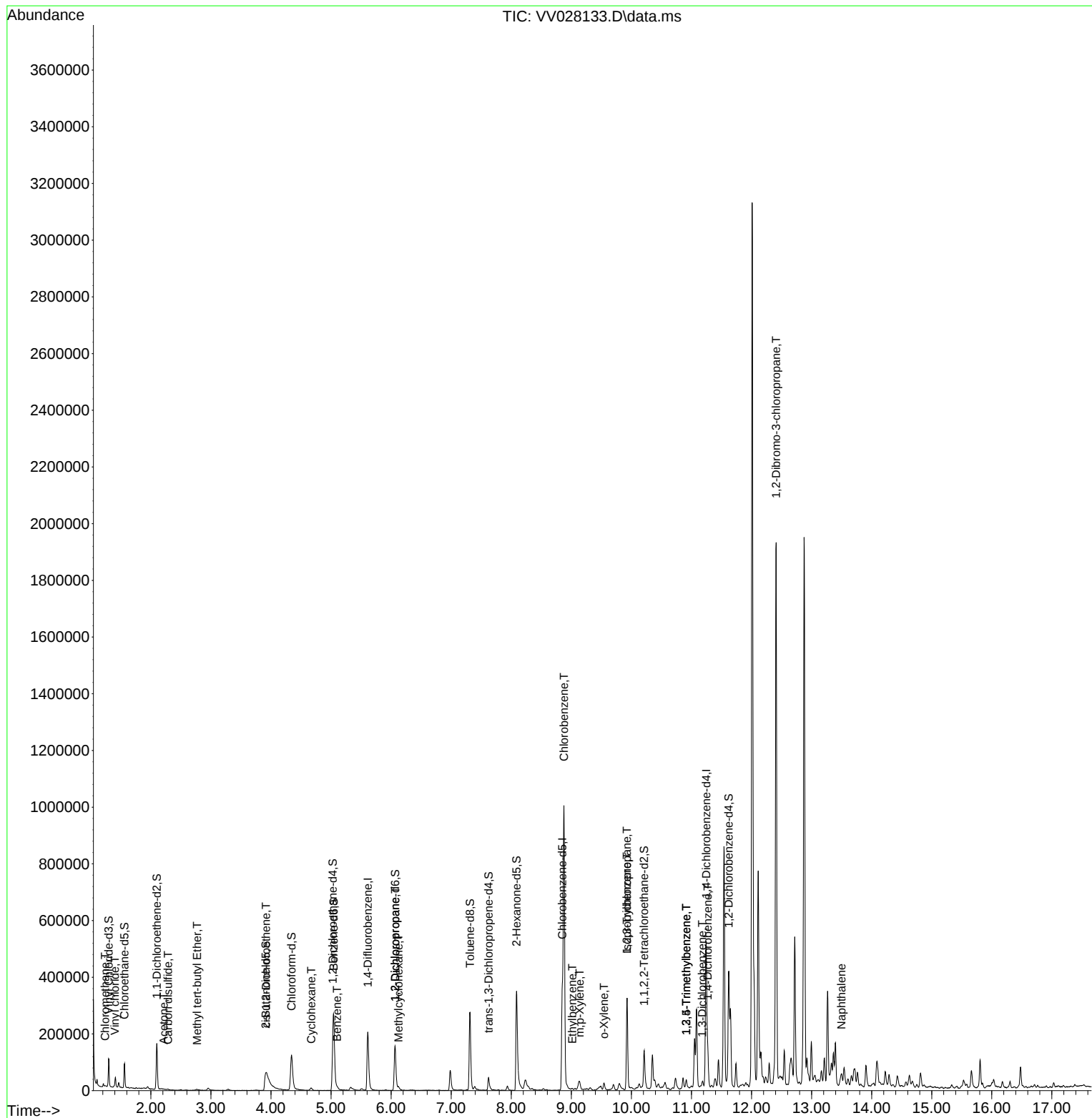
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,4-Dichlorobenzene	11.271	146	55413	1.737	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.410	75	7462	3.717	ug/L #	1
71) Naphthalene	13.500	128	28471	0.861	ug/L #	93

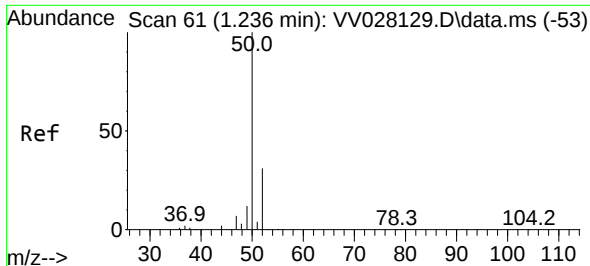
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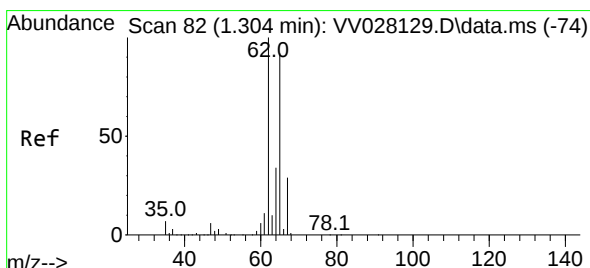
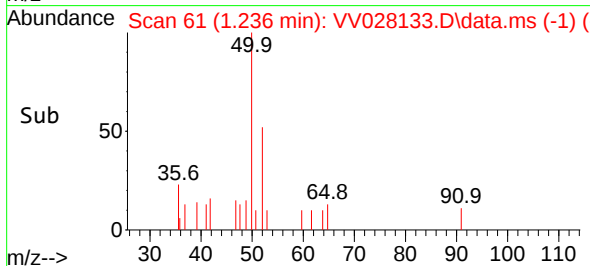
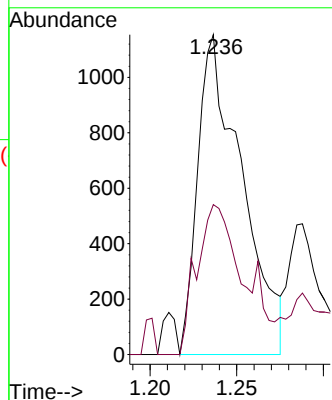
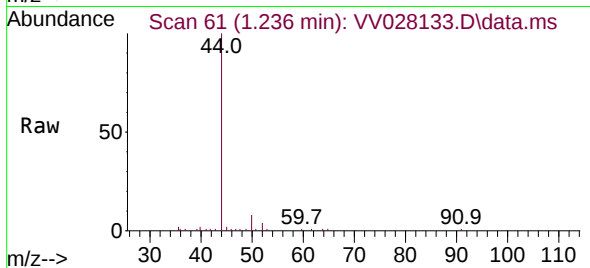




#3
Chloromethane
Concen: 0.111 ug/L
RT: 1.236 min Scan# 61
Delta R.T. 0.000 min
Lab File: VV028133.D
Acq: 27 Sep 2022 12:40

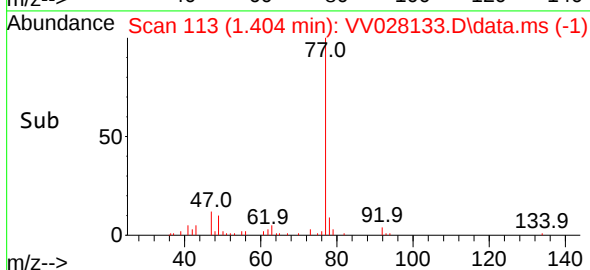
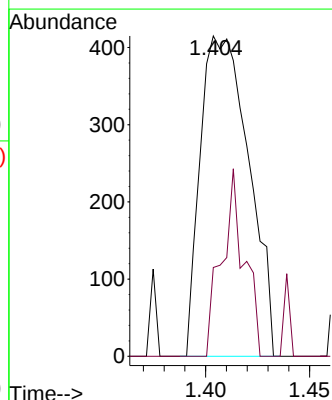
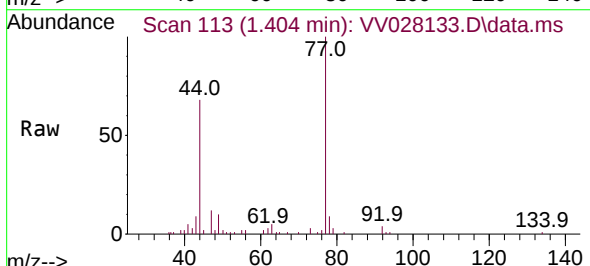
Instrument :
MSVOA_V
ClientSampleId :
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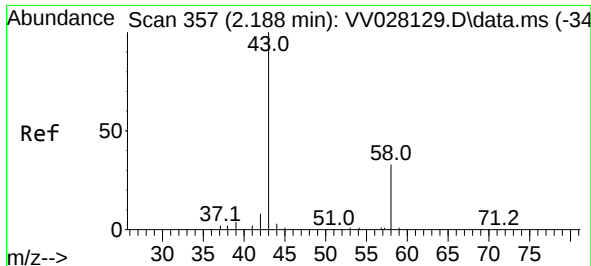
Tgt Ion: 50 Resp: 2038
Ion Ratio Lower Upper
50 100
52 46.9 24.4 45.2#



#5
Vinyl chloride
Concen: 0.047 ug/L
RT: 1.404 min Scan# 113
Delta R.T. 0.100 min
Lab File: VV028133.D
Acq: 27 Sep 2022 12:40

Tgt Ion: 62 Resp: 672
Ion Ratio Lower Upper
62 100
64 27.7 23.0 42.8

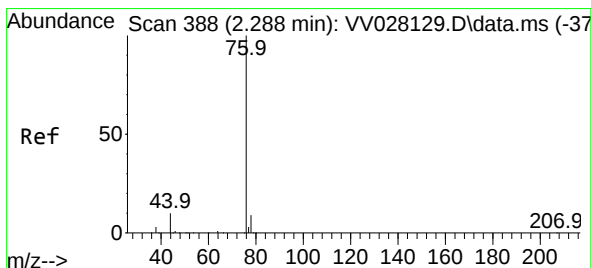
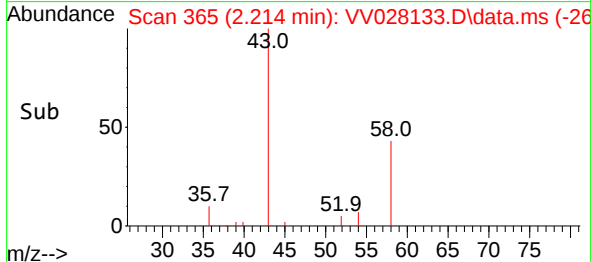
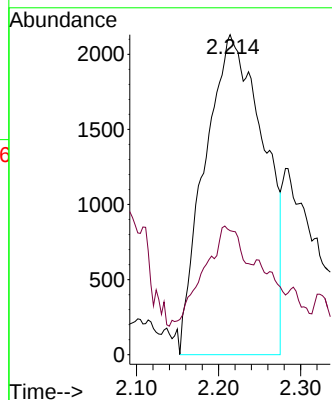
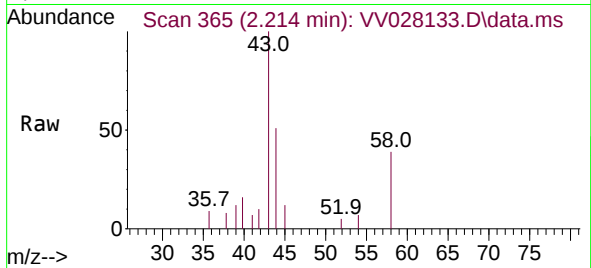




#13
Acetone
Concen: 4.263 ug/L
RT: 2.214 min Scan# 30
Delta R.T. 0.026 min
Lab File: VV028133.D
Acq: 27 Sep 2022 12:40

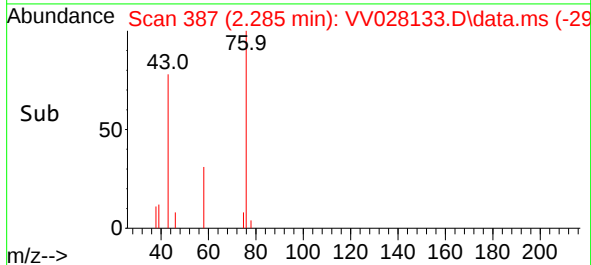
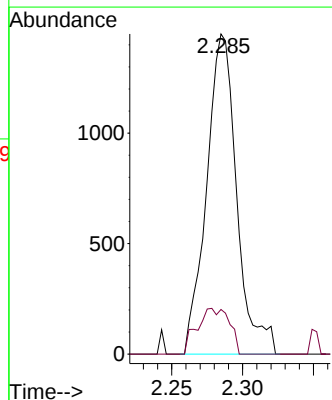
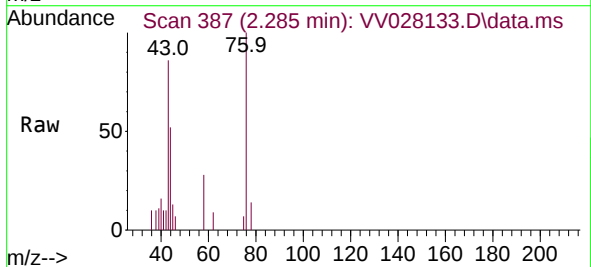
Instrument :
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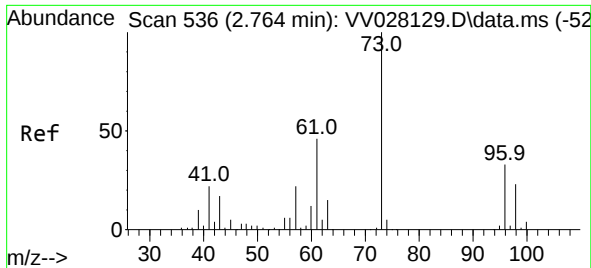
Tgt Ion: 43 Resp: 10645
Ion Ratio Lower Upper
43 100
58 21.3 0.0 65.6



#14
Carbon disulfide
Concen: 0.087 ug/L
RT: 2.285 min Scan# 387
Delta R.T. -0.003 min
Lab File: VV028133.D
Acq: 27 Sep 2022 12:40

Tgt Ion: 76 Resp: 2145
Ion Ratio Lower Upper
76 100
78 13.9 7.6 11.4#

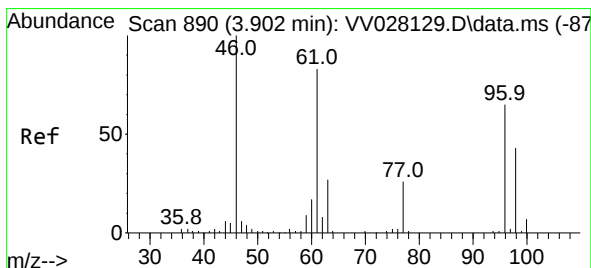
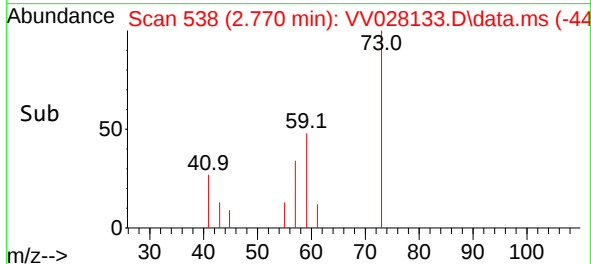
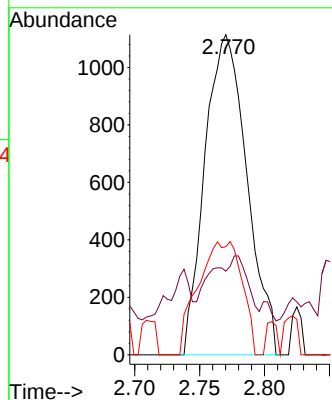
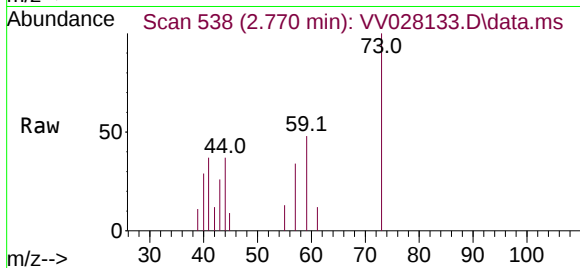




#17
Methyl tert-butyl Ether
Concen: 0.091 ug/L
RT: 2.770 min Scan# 51
Delta R.T. 0.006 min
Lab File: VV028133.D
Acq: 27 Sep 2022 12:40

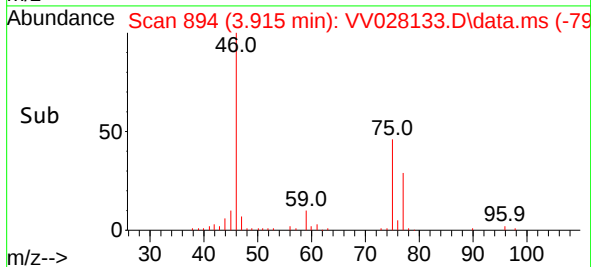
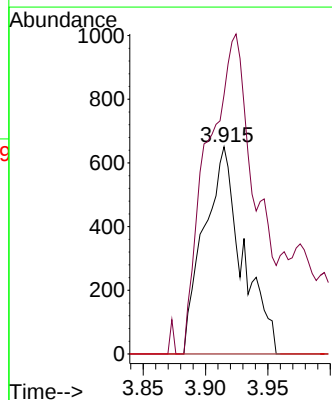
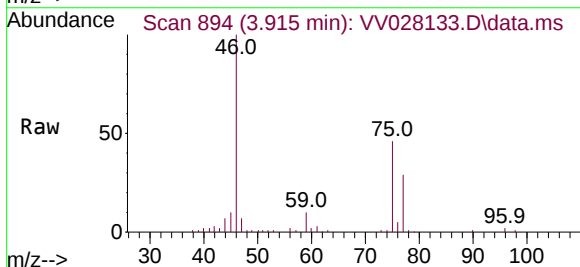
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MSVOA_V
ClientSampleId :
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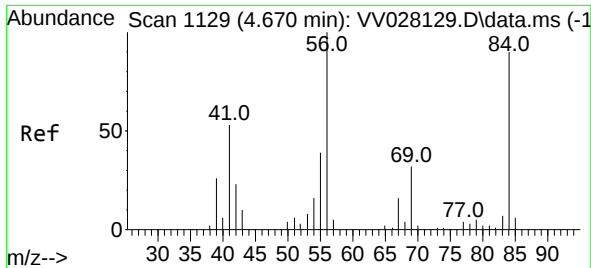
Tgt Ion: 73 Resp: 2509
Ion Ratio Lower Upper
73 100
43 8.0 15.7 23.5#
57 36.9 17.8 26.8#



#22
cis-1,2-Dichloroethene
Concen: 0.095 ug/L
RT: 3.915 min Scan# 894
Delta R.T. 0.013 min
Lab File: VV028133.D
Acq: 27 Sep 2022 12:40

Tgt Ion: 96 Resp: 1395
Ion Ratio Lower Upper
96 100
61 125.0 87.2 161.9
68 0.0 0.0 0.0

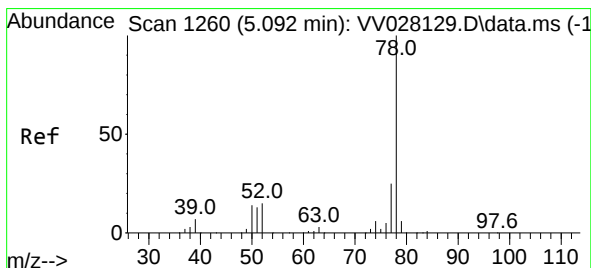
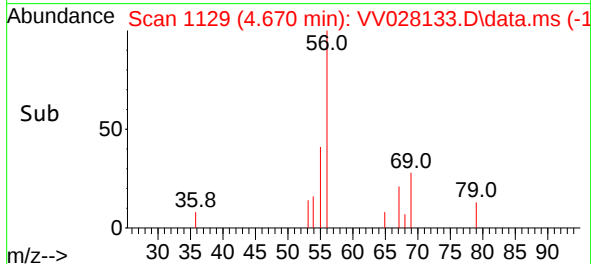
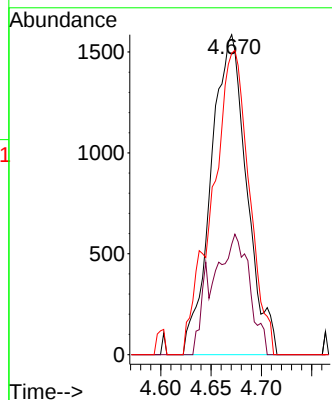
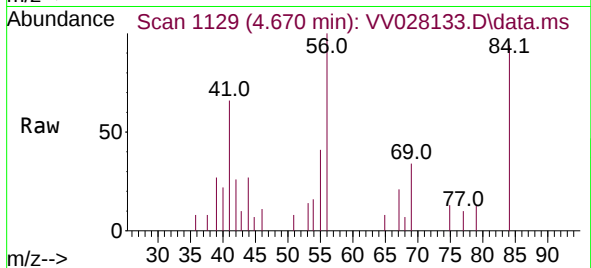




#30
Cyclohexane
Concen: 0.232 ug/L
RT: 4.670 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VV028133.D
Acq: 27 Sep 2022 12:40

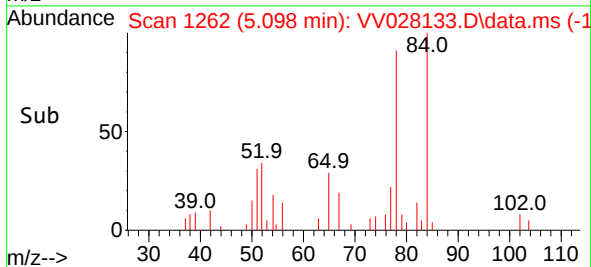
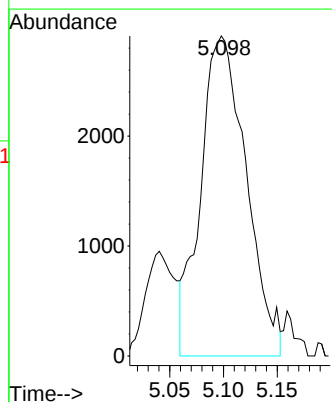
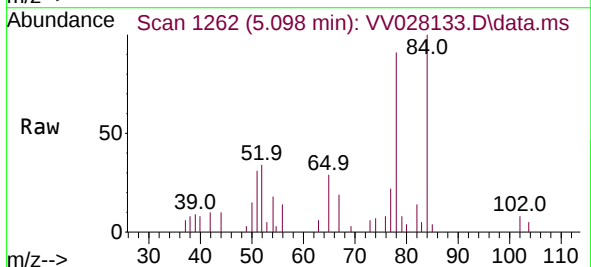
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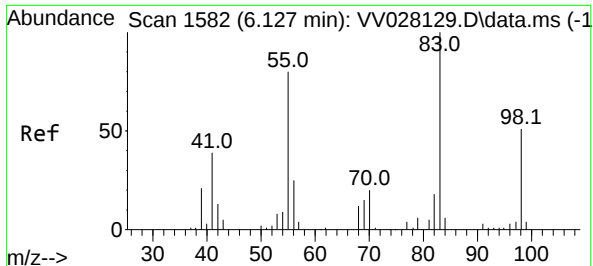
Tgt Ion:	56	Resp:	3912
Ion	Ratio	Lower	Upper
56	100		
69	32.7	23.7	35.5
84	98.3	67.3	100.9



#33
Benzene
Concen: 0.163 ug/L
RT: 5.098 min Scan# 1262
Delta R.T. 0.006 min
Lab File: VV028133.D
Acq: 27 Sep 2022 12:40

Tgt Ion: 78 Resp: 8600





#35

Methylcyclohexane

Concen: 0.211 ug/L

RT: 6.124 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV028133.D

Acq: 27 Sep 2022 12:40

Instrument :

MSVOA_V

ClientSampleId :

CB8L0

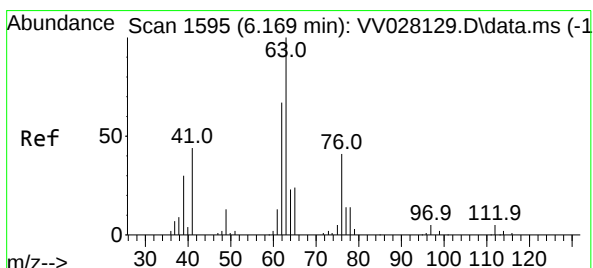
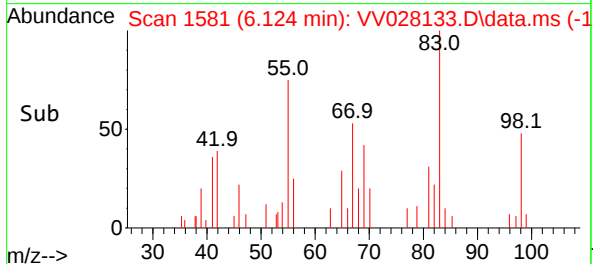
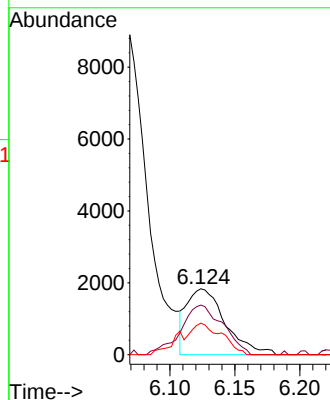
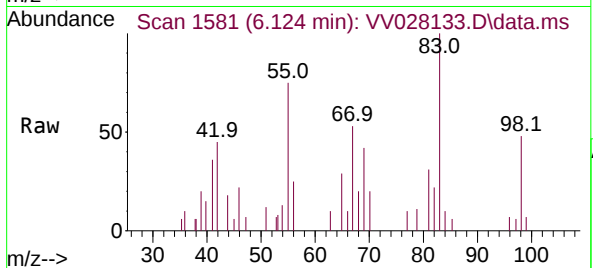
Tgt Ion: 83 Resp: 3793

Ion Ratio Lower Upper

83 100

55 81.9 64.7 97.1

98 38.7 39.5 59.3#



#37

1,2-Dichloropropane

Concen: 0.612 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.103 min

Lab File: VV028133.D

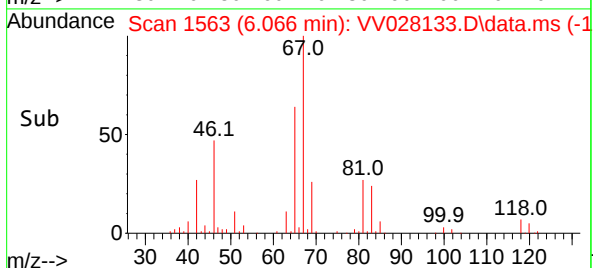
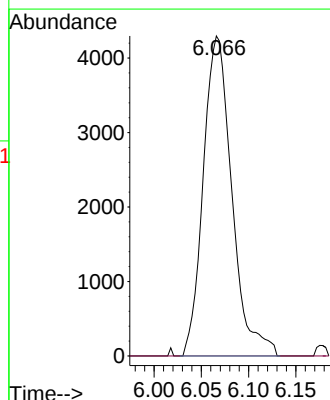
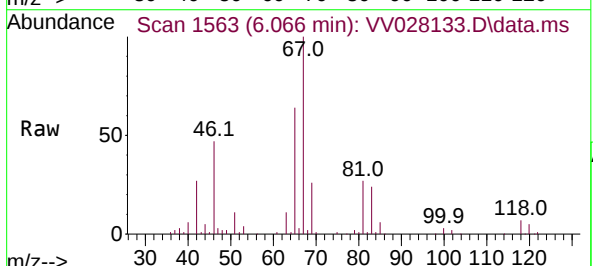
Acq: 27 Sep 2022 12:40

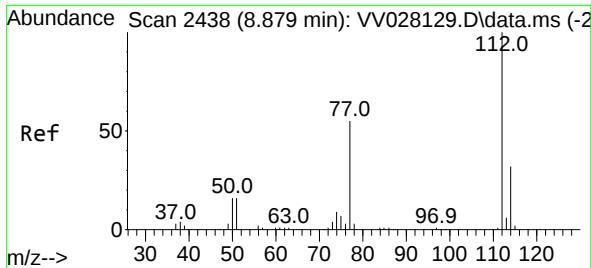
Tgt Ion: 63 Resp: 9045

Ion Ratio Lower Upper

63 100

112 0.0 3.5 5.3#

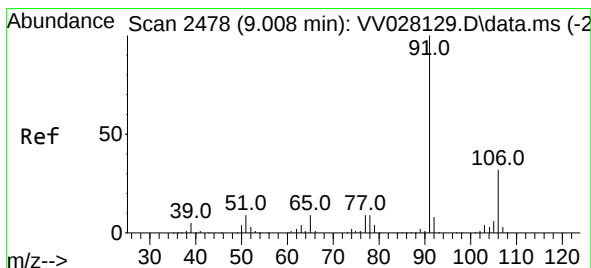
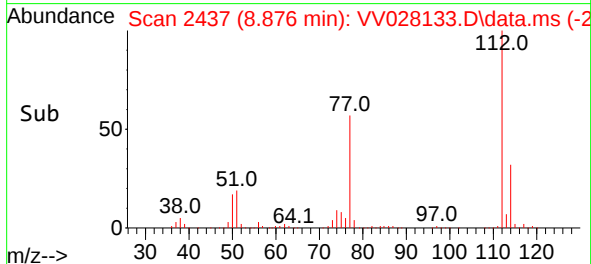
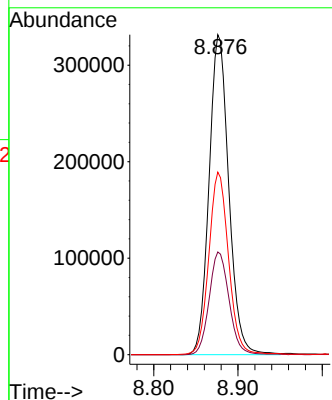
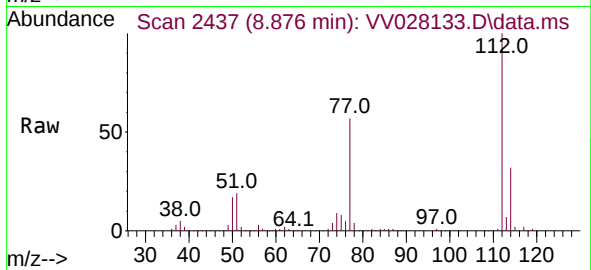




#51
Chlorobenzene
Concen: 14.628 ug/L
RT: 8.876 min Scan# 2438
Delta R.T. -0.003 min
Lab File: VV028133.D
Acq: 27 Sep 2022 12:40

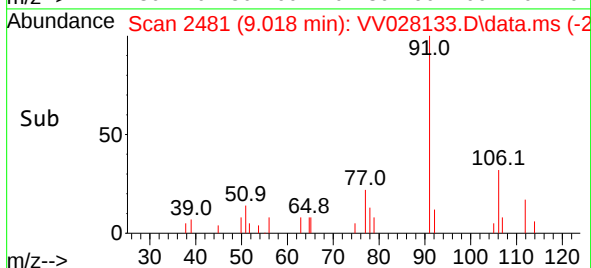
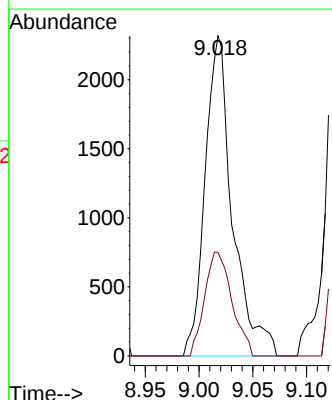
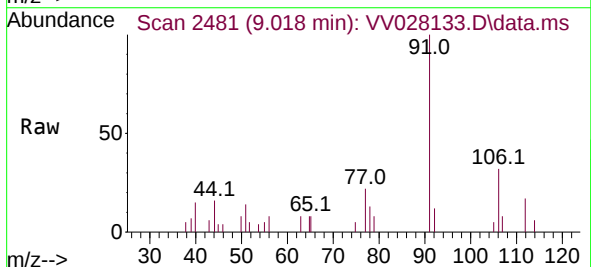
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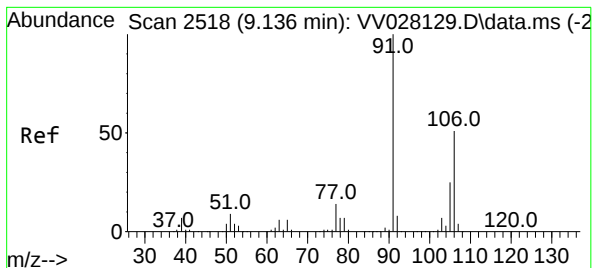
Tgt Ion:112 Resp: 539384
Ion Ratio Lower Upper
112 100
114 32.1 22.5 41.7
77 57.0 46.1 69.1



#52
Ethylbenzene
Concen: 0.070 ug/L
RT: 9.018 min Scan# 2481
Delta R.T. 0.010 min
Lab File: VV028133.D
Acq: 27 Sep 2022 12:40

Tgt Ion: 91 Resp: 4099
Ion Ratio Lower Upper
91 100
106 32.4 21.5 39.9





#53

m,p-Xylene

Concen: 0.239 ug/L

RT: 9.140 min Scan# 2

Delta R.T. 0.003 min

Lab File: VV028133.D

Acq: 27 Sep 2022 12:40

Instrument :

MSVOA_V

ClientSampleId :

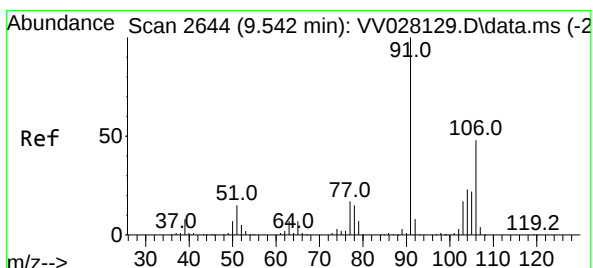
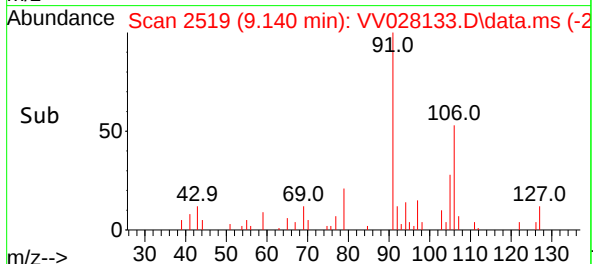
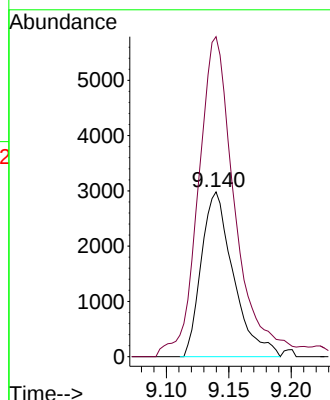
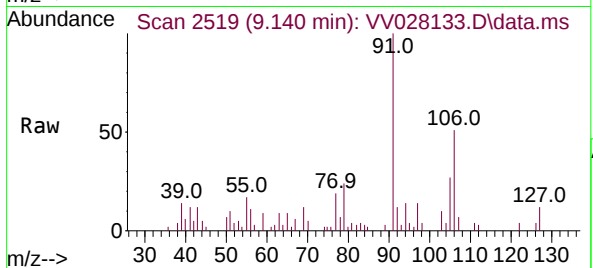
CB8L0

Tgt Ion:106 Resp: 5326

Ion Ratio Lower Upper

106 100

91 194.2 141.9 263.5



#54

o-Xylene

Concen: 0.275 ug/L

RT: 9.545 min Scan# 2645

Delta R.T. 0.003 min

Lab File: VV028133.D

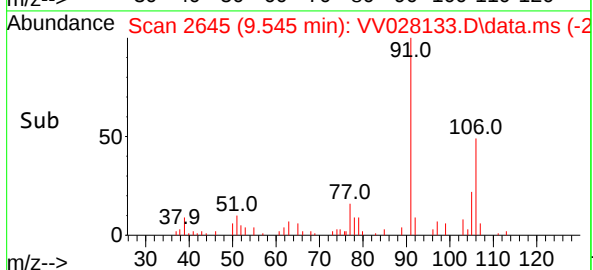
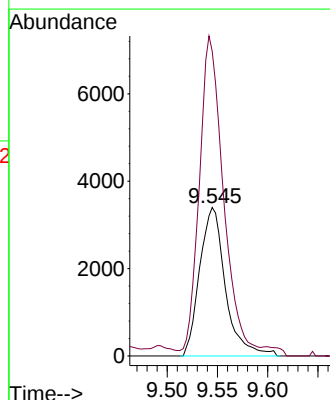
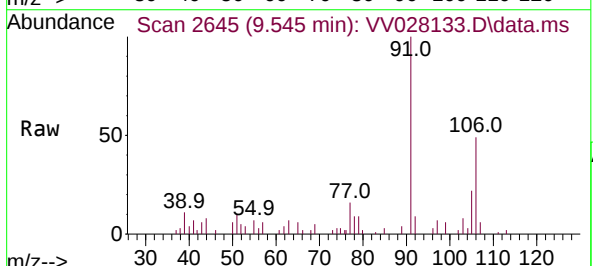
Acq: 27 Sep 2022 12:40

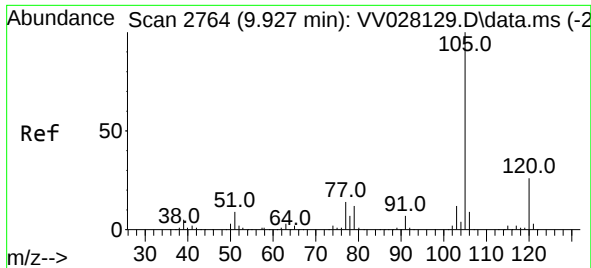
Tgt Ion:106 Resp: 6055

Ion Ratio Lower Upper

106 100

91 205.4 148.1 275.0

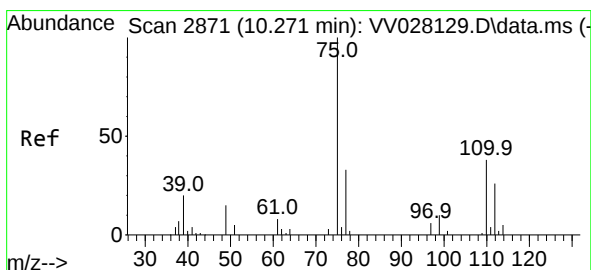
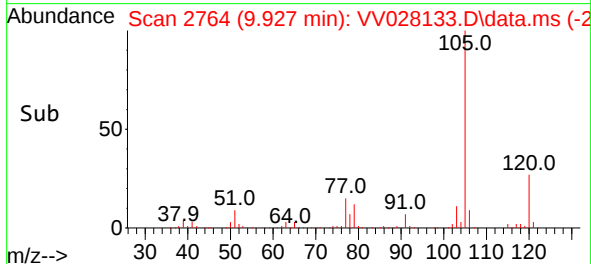
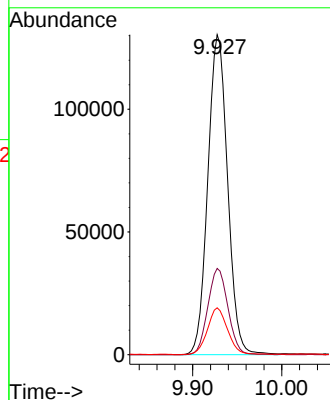
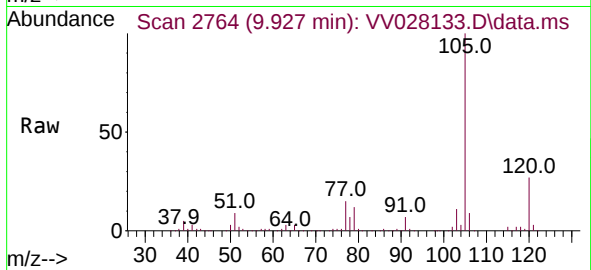




#60
Isopropylbenzene
Concen: 3.134 ug/L
RT: 9.927 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV028133.D
Acq: 27 Sep 2022 12:40

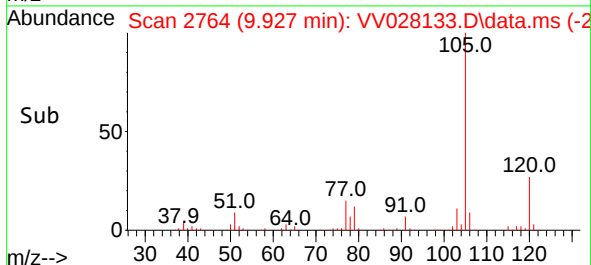
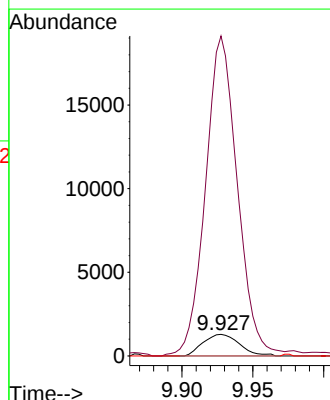
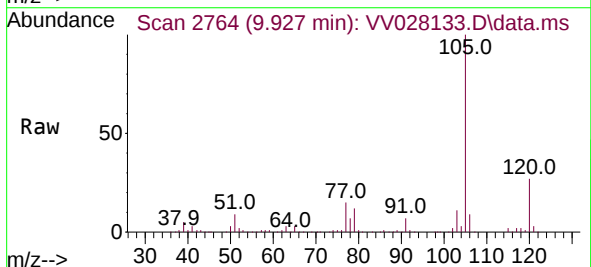
Instrument :
MSVOA_V
ClientSampleId :
CB8L0

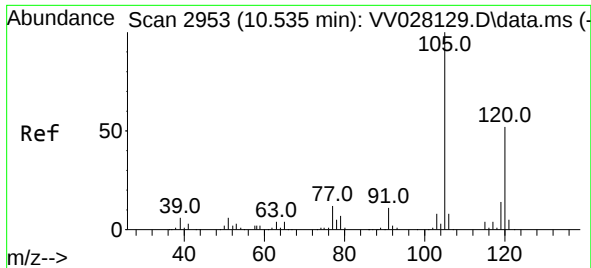
Tgt Ion:105 Resp: 200908
Ion Ratio Lower Upper
105 100
120 27.3 21.4 32.0
77 14.9 12.2 18.4



#61
1,2,3-Trichloropropane
Concen: 0.253 ug/L
RT: 9.927 min Scan# 2764
Delta R.T. -0.344 min
Lab File: VV028133.D
Acq: 27 Sep 2022 12:40

Tgt Ion: 75 Resp: 2313
Ion Ratio Lower Upper
75 100
77 1296.5 26.7 40.1#
110 3.9 30.1 45.1#





#62

1,3,5-Trimethylbenzene

Concen: 0.885 ug/L

RT: 10.915 min Scan# 3071

Delta R.T. 0.379 min

Lab File: VV028133.D

Acq: 27 Sep 2022 12:40

Instrument :

MSVOA_V

ClientSampleId :

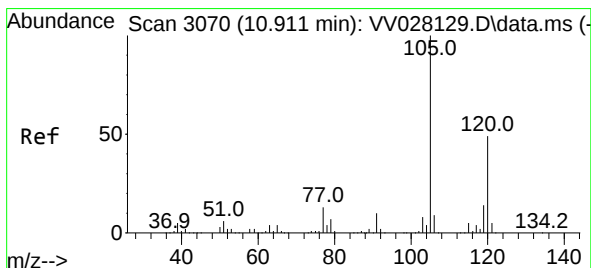
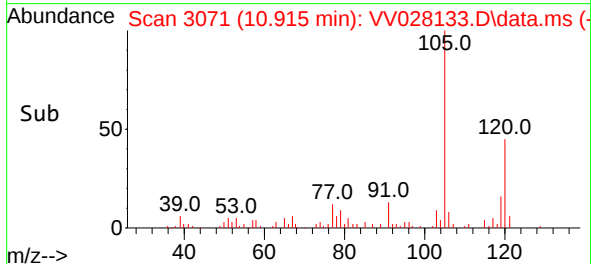
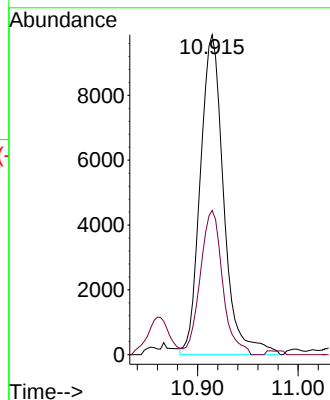
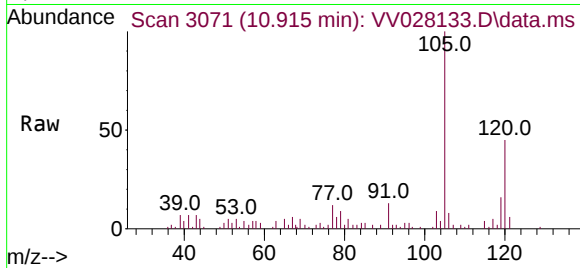
CB8L0

Tgt Ion:105 Resp: 15976

Ion Ratio Lower Upper

105 100

120 43.0 40.6 61.0



#63

1,2,4-Trimethylbenzene

Concen: 0.317 ug/L

RT: 10.915 min Scan# 3071

Delta R.T. 0.003 min

Lab File: VV028133.D

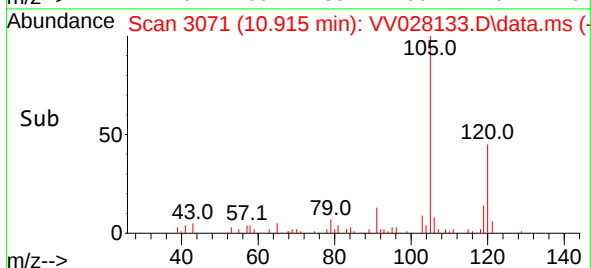
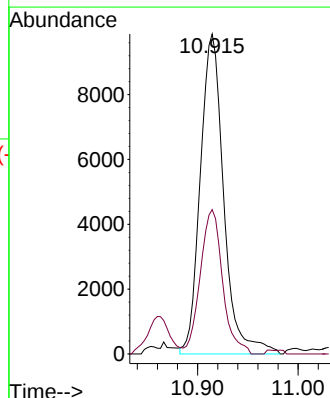
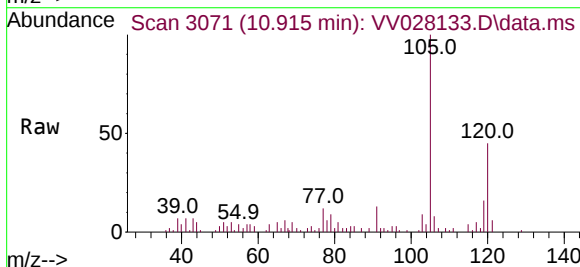
Acq: 27 Sep 2022 12:40

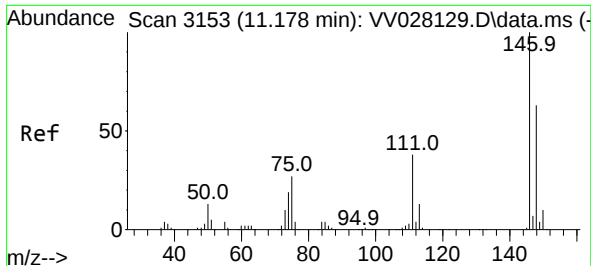
Tgt Ion:105 Resp: 15976

Ion Ratio Lower Upper

105 100

120 43.0 37.8 56.8

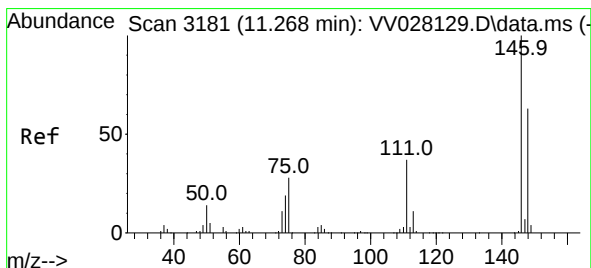
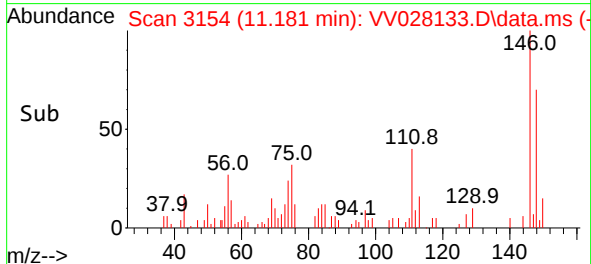
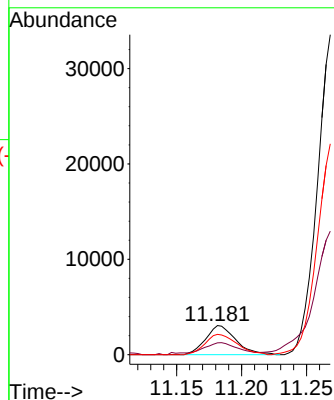
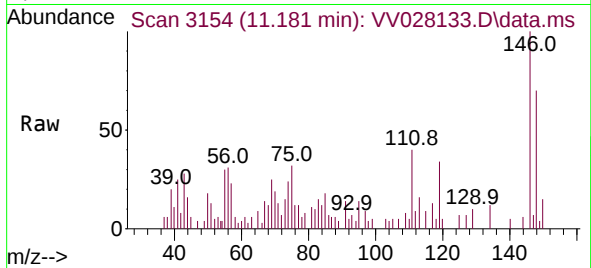




#64
1,3-Dichlorobenzene
Concen: 0.154 ug/L
RT: 11.181 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VV028133.D
Acq: 27 Sep 2022 12:40

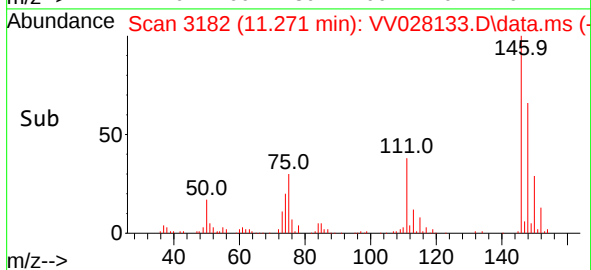
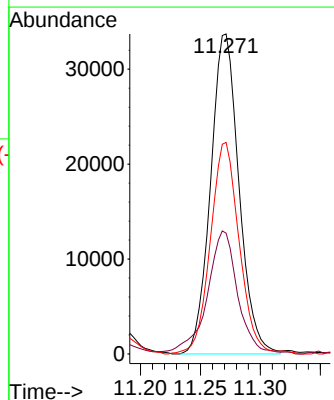
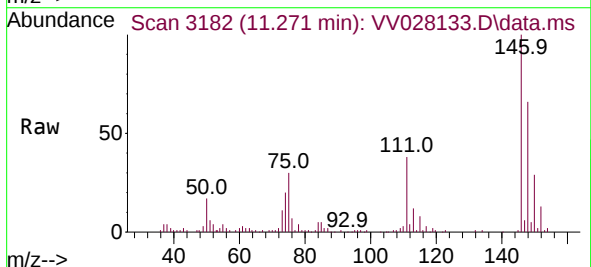
Instrument :
MSVOA_V
ClientSampleId :
CB8L0

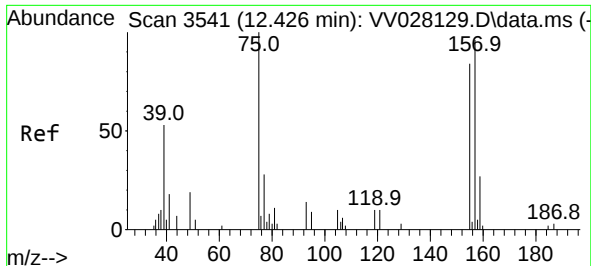
Tgt Ion:146 Resp: 4913
Ion Ratio Lower Upper
146 100
111 40.4 27.1 50.3
148 69.5 45.7 84.9



#65
1,4-Dichlorobenzene
Concen: 1.737 ug/L
RT: 11.271 min Scan# 3182
Delta R.T. 0.003 min
Lab File: VV028133.D
Acq: 27 Sep 2022 12:40

Tgt Ion:146 Resp: 55413
Ion Ratio Lower Upper
146 100
111 37.7 26.2 48.8
148 66.1 45.8 85.2





#68

1,2-Dibromo-3-chloropropane

Concen: 3.717 ug/L

RT: 12.410 min Scan# 3536

Delta R.T. -0.016 min

Lab File: VV028133.D

Acq: 27 Sep 2022 12:40

Instrument :

MSVOA_V

ClientSampleId :

CB8L0

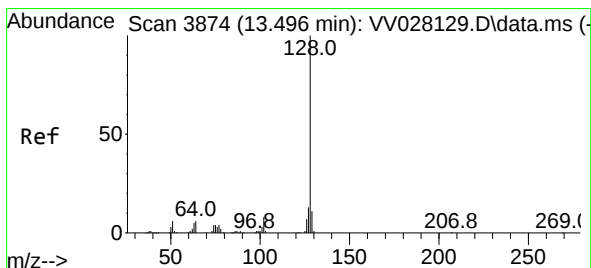
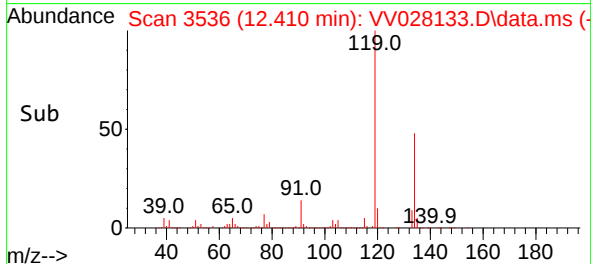
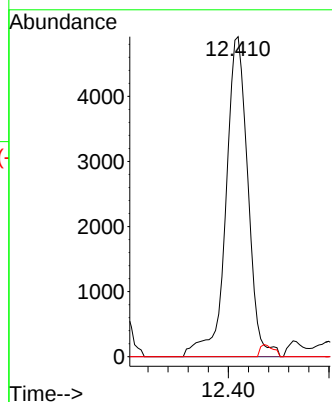
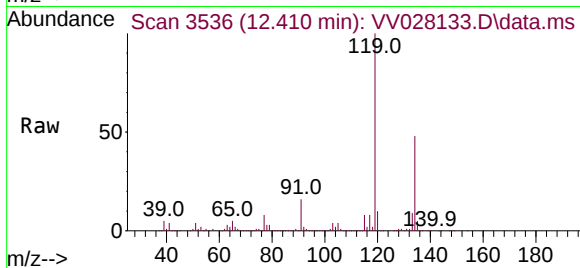
Tgt Ion: 75 Resp: 7462

Ion Ratio Lower Upper

75 100

155 0.0 73.6 110.4#

157 0.0 90.7 136.1#



#71

Naphthalene

Concen: 0.861 ug/L

RT: 13.500 min Scan# 3875

Delta R.T. 0.003 min

Lab File: VV028133.D

Acq: 27 Sep 2022 12:40

Tgt Ion: 128 Resp: 28471

Ion Ratio Lower Upper

128 100

129 13.0 8.2 12.2#

127 15.7 10.4 15.6#

