

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121521\
 Data File : VW023998.D
 Acq On : 15 Dec 2021 22:01
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005395

Quant Time: Dec 16 04:53:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121021WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 16 04:44:29 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	99920	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	106298	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	63776	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	26006	4.841	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.800%
7) Chloroethane-d5	1.568	69	21440	4.784	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.600%
11) 1,1-Dichloroethene-d2	2.108	63	56991	5.435	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	108.800%
20) 2-Butanone-d5	3.902	46	37975	36.186	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	72.380%
24) Chloroform-d	4.352	84	59330	4.876	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.600%
26) 1,2-Dichloroethane-d4	5.034	65	26601	4.696	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.000%
32) Benzene-d6	5.053	84	105660	5.019	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.400%
36) 1,2-Dichloropropane-d6	6.069	67	29608	4.661	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.200%
41) Toluene-d8	7.317	98	108728	5.736	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.800%
43) trans-1,3-Dichloroprop...	7.625	79	11580	4.394	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.800%
46) 2-Hexanone-d5	8.092	63	43459	36.841	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	73.680%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	21947	4.165	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.400%
66) 1,2-Dichlorobenzene-d4	11.625	152	39081	4.588	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	44502	5.117	ug/L	98
3) Chloromethane	1.240	50	36151	4.865	ug/L	98
5) Vinyl chloride	1.311	62	40957	5.082	ug/L	100
6) Bromomethane	1.523	94	23421	4.573	ug/L	97
8) Chloroethane	1.584	64	26623	5.077	ug/L	98
9) Trichlorofluoromethane	1.751	101	76363	5.453	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.118	101	38743	5.252	ug/L	98
12) 1,1-Dichloroethene	2.118	96	35288	5.264	ug/L	97
13) Acetone	2.188	43	30369	36.171	ug/L	100
14) Carbon disulfide	2.294	76	91683	4.715	ug/L	100
15) Methyl Acetate	2.439	43	11025	5.417	ug/L	91
16) Methylene chloride	2.507	84	42676	4.866	ug/L	98
17) Methyl tert-butyl Ether	2.767	73	77742	5.128	ug/L	98
18) trans-1,2-Dichloroethene	2.761	96	38283	5.159	ug/L	97
19) 1,1-Dichloroethane	3.191	63	70494	5.293	ug/L	98
21) 2-Butanone	3.982	43	46957	39.143	ug/L	92
22) cis-1,2-Dichloroethene	3.912	96	40446	5.149	ug/L	96
23) Bromochloromethane	4.249	128	18938	5.305	ug/L	# 91
25) Chloroform	4.378	83	79499	5.369	ug/L	98

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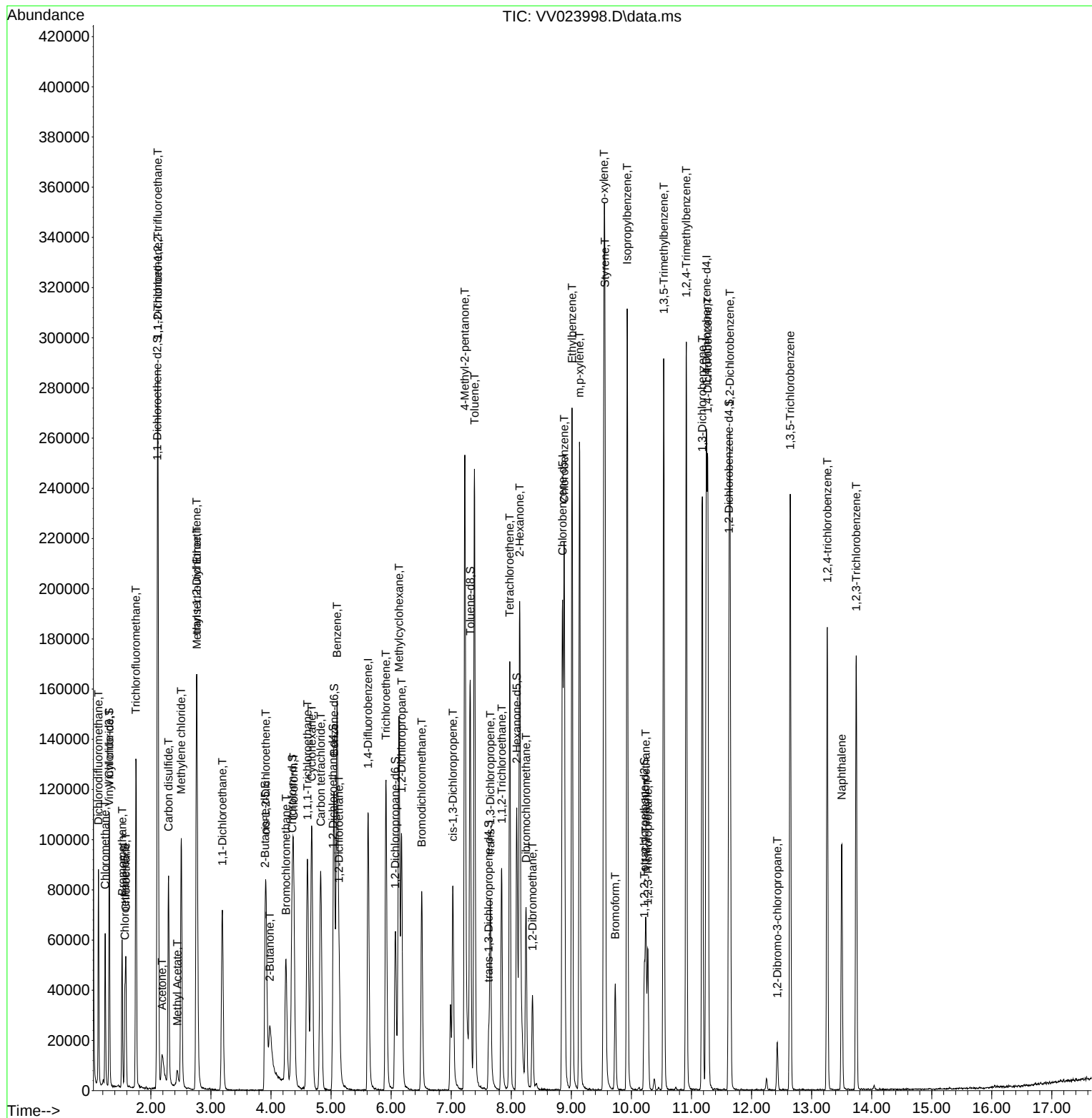
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.130	62	42689	5.322	ug/L	98
29) 1,1,1-Trichloroethane	4.609	97	74986	5.392	ug/L	99
30) Cyclohexane	4.677	56	52000	4.714	ug/L	99
31) Carbon tetrachloride	4.828	117	67846	5.190	ug/L	99
33) Benzene	5.098	78	155883	5.184	ug/L	100
34) Trichloroethene	5.912	95	41695	4.916	ug/L	100
35) Methylcyclohexane	6.130	83	58165	4.659	ug/L	100
37) 1,2-Dichloropropane	6.175	63	36676	5.131	ug/L	98
38) Bromodichloromethane	6.510	83	51606	5.097	ug/L	97
39) cis-1,3-Dichloropropene	7.027	75	47826	4.508	ug/L	96
40) 4-Methyl-2-pentanone	7.227	43	183955	53.579	ug/L	99
42) Toluene	7.387	91	178447	5.273	ug/L	99
44) trans-1,3-Dichloropropene	7.651	75	44748	4.879	ug/L	96
45) 1,1,2-Trichloroethane	7.841	97	27484	5.198	ug/L	97
47) Tetrachloroethene	7.976	164	37389	5.007	ug/L	98
48) 2-Hexanone	8.140	43	133537	53.640	ug/L	98
49) Dibromochloromethane	8.246	129	37059	5.151	ug/L	98
50) 1,2-Dibromoethane	8.352	107	24708	5.033	ug/L	91
51) Chlorobenzene	8.883	112	115680	5.114	ug/L	99
52) Ethylbenzene	9.011	91	181625	5.086	ug/L	99
53) m,p-xylene	9.137	106	72764	5.153	ug/L	97
54) o-xylene	9.545	106	71736	5.253	ug/L	97
55) Styrene	9.561	104	123973	5.453	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.239	83	29964	5.175	ug/L	99
59) Bromoform	9.731	173	19597	4.788	ug/L	100
60) Isopropylbenzene	9.931	105	192913	5.152	ug/L	100
61) 1,2,3-Trichloropropane	10.275	75	21999	5.063	ug/L	98
62) 1,3,5-Trimethylbenzene	10.538	105	155006	4.990	ug/L	100
63) 1,2,4-Trimethylbenzene	10.915	105	156913	5.070	ug/L	99
64) 1,3-Dichlorobenzene	11.182	146	99827	5.213	ug/L	99
65) 1,4-Dichlorobenzene	11.272	146	97454	5.067	ug/L	99
67) 1,2-Dichlorobenzene	11.641	146	89806	5.119	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.429	75	4581	4.828	ug/L	91
69) 1,3,5-Trichlorobenzene	12.644	180	74912	4.756	ug/L	99
70) 1,2,4-trichlorobenzene	13.262	180	58253	4.709	ug/L	100
71) Naphthalene	13.503	128	80694	4.538	ug/L	98
72) 1,2,3-Trichlorobenzene	13.744	180	51950	4.757	ug/L	98

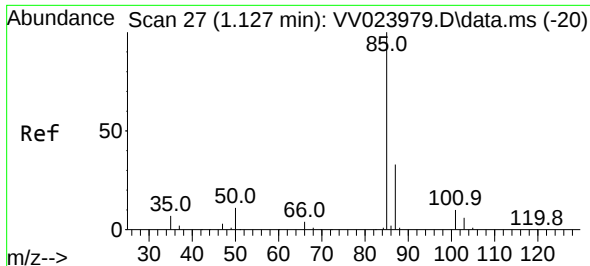
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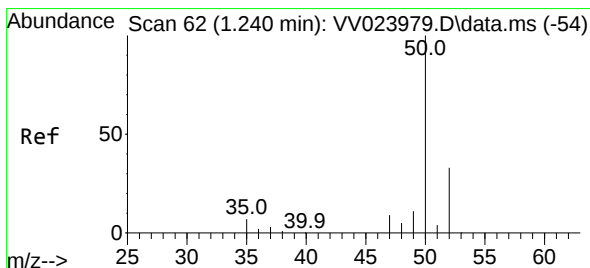
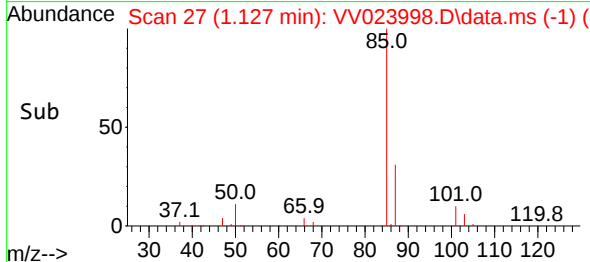
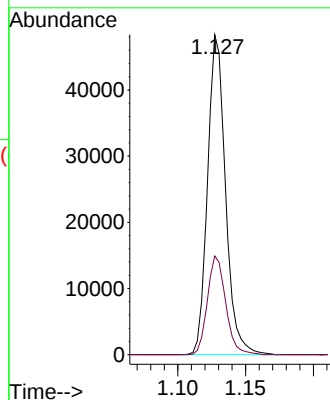
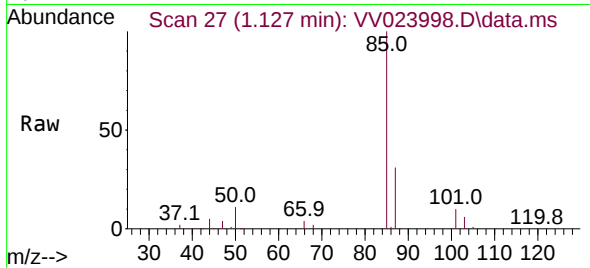




#2
 Dichlorodifluoromethane
 Concen: 5.117 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV023998.D
 Acq: 15 Dec 2021 22:01

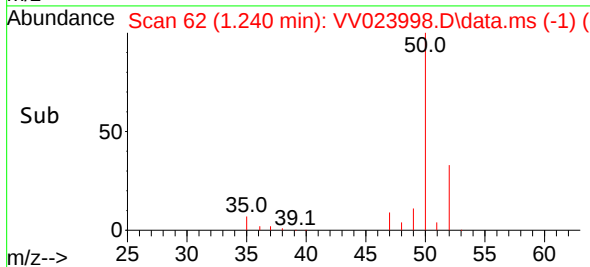
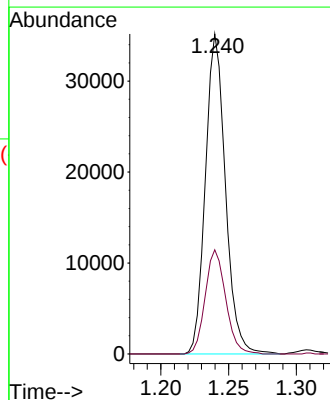
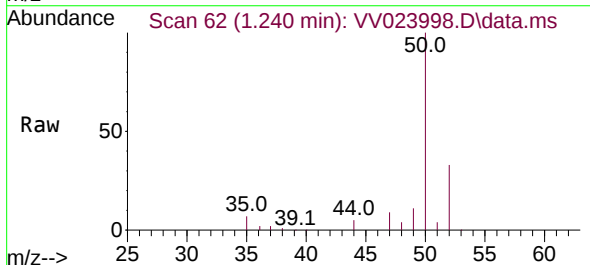
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 ClientSampleId :
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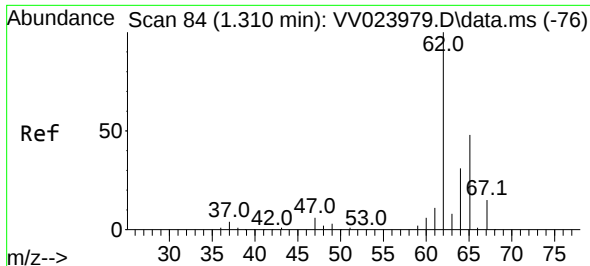
Tgt Ion: 85 Resp: 44502
 Ion Ratio Lower Upper
 85 100
 87 31.4 26.0 39.0



#3
 Chloromethane
 Concen: 4.865 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.000 min
 Lab File: VV023998.D
 Acq: 15 Dec 2021 22:01

Tgt Ion: 50 Resp: 36151
 Ion Ratio Lower Upper
 50 100
 52 32.5 22.0 41.0

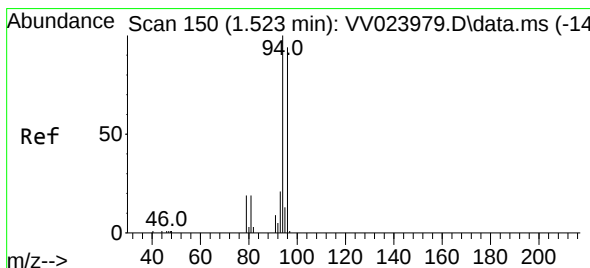
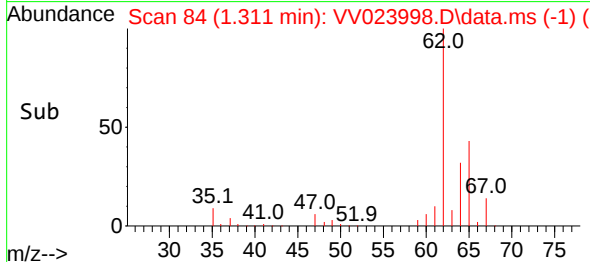
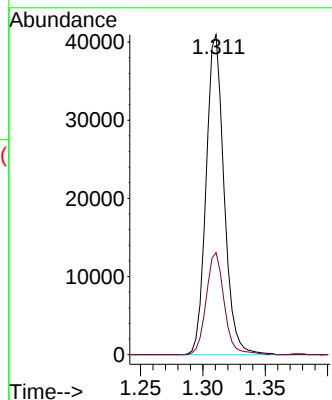
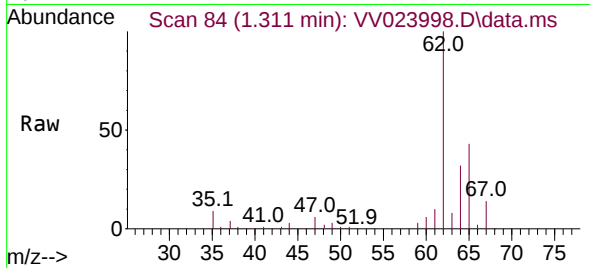




#5
 Vinyl chloride
 Concen: 5.082 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV023998.D
 Acq: 15 Dec 2021 22:01

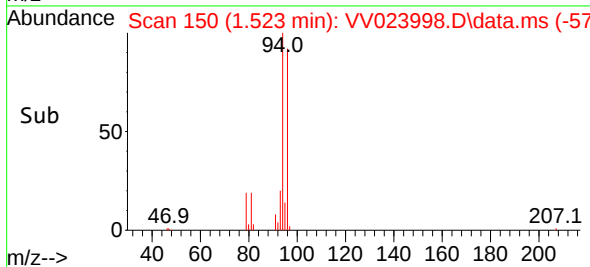
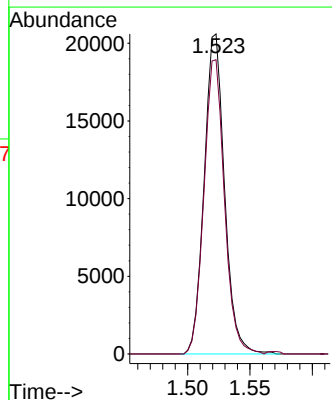
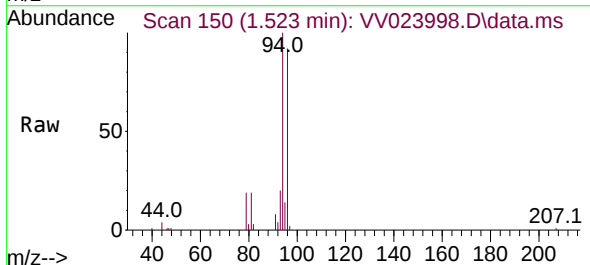
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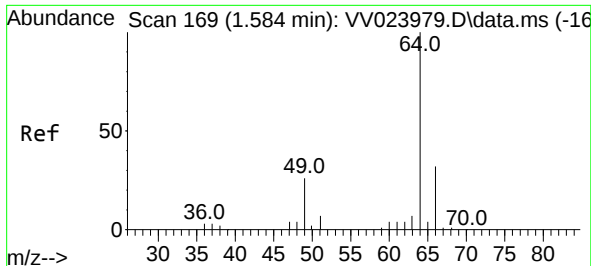
Tgt Ion: 62 Resp: 40957
 Ion Ratio Lower Upper
 62 100
 64 31.9 22.4 41.6



#6
 Bromomethane
 Concen: 4.573 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. 0.000 min
 Lab File: VV023998.D
 Acq: 15 Dec 2021 22:01

Tgt Ion: 94 Resp: 23421
 Ion Ratio Lower Upper
 94 100
 96 92.0 66.2 123.0

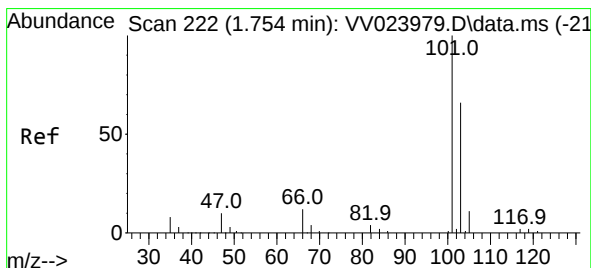
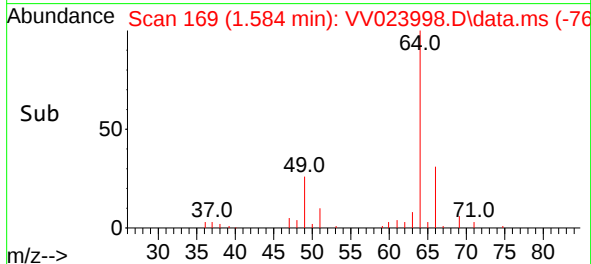
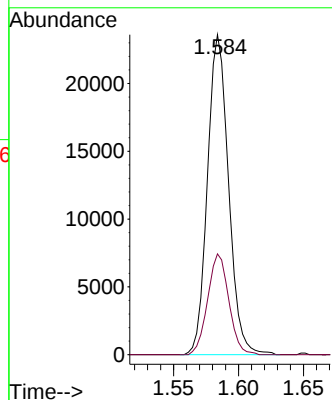
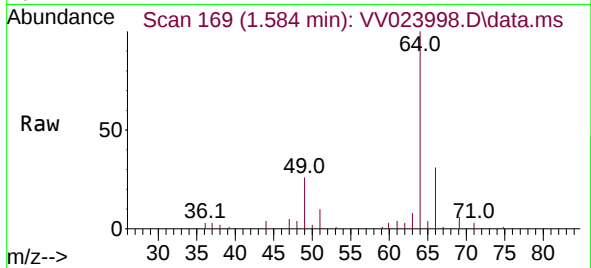




#8
Chloroethane
Concen: 5.077 ug/L
RT: 1.584 min Scan# 169
Delta R.T. 0.000 min
Lab File: VV023998.D
Acq: 15 Dec 2021 22:01

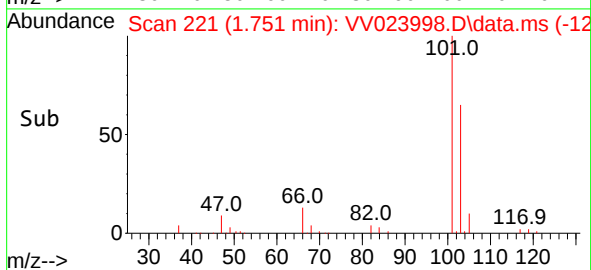
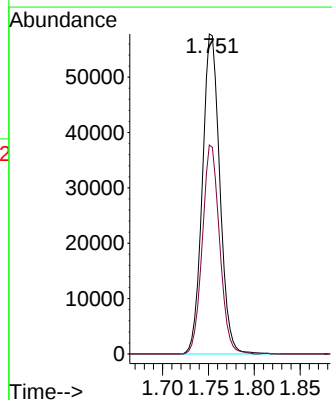
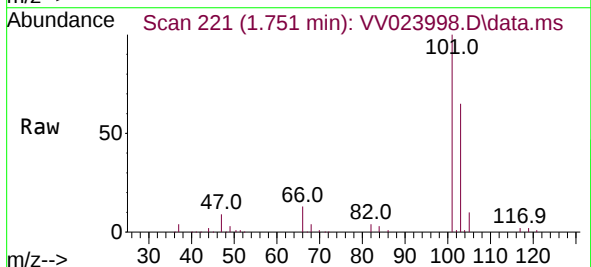
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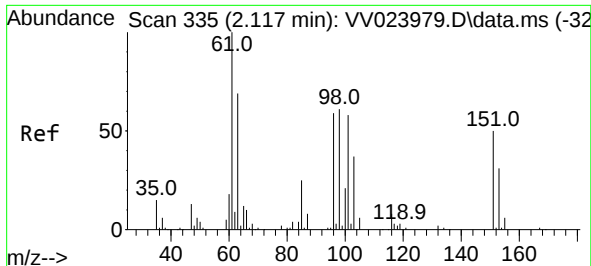
Tgt Ion: 64 Resp: 26623
Ion Ratio Lower Upper
64 100
66 31.5 21.4 39.8



#9
Trichlorofluoromethane
Concen: 5.453 ug/L
RT: 1.751 min Scan# 221
Delta R.T. -0.003 min
Lab File: VV023998.D
Acq: 15 Dec 2021 22:01

Tgt Ion:101 Resp: 76363
Ion Ratio Lower Upper
101 100
103 64.6 51.6 77.4





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 5.252 ug/L

RT: 2.118 min Scan# 335

Delta R.T. 0.000 min

Lab File: VV023998.D

Acq: 15 Dec 2021 22:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD005395

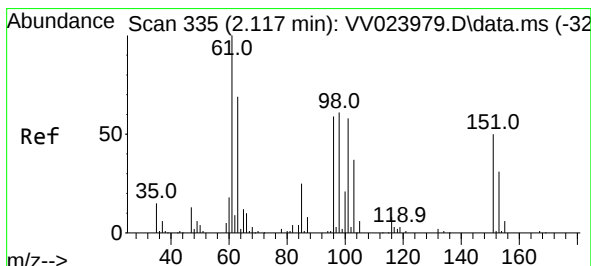
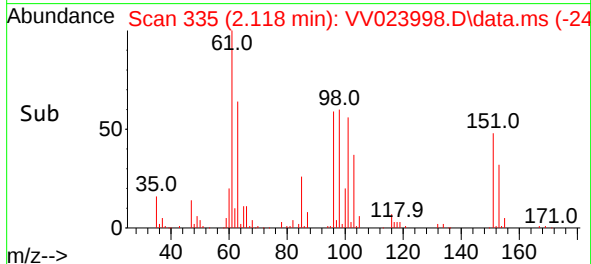
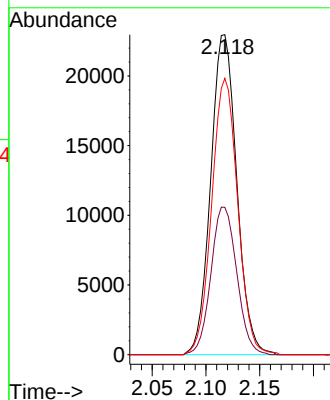
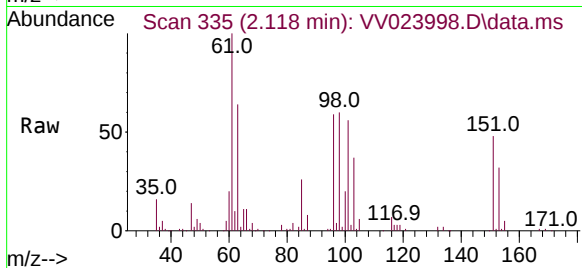
Tgt Ion:101 Resp: 38743

Ion Ratio Lower Upper

101 100

85 45.7 36.0 54.0

151 85.9 66.4 99.6



#12

1,1-Dichloroethene

Concen: 5.264 ug/L

RT: 2.118 min Scan# 335

Delta R.T. 0.000 min

Lab File: VV023998.D

Acq: 15 Dec 2021 22:01

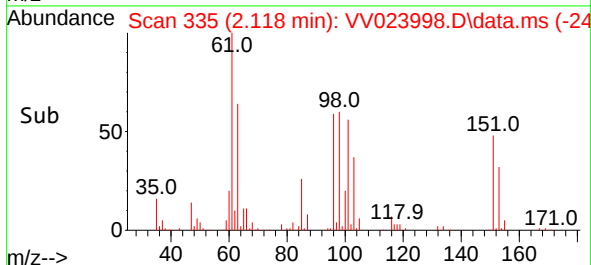
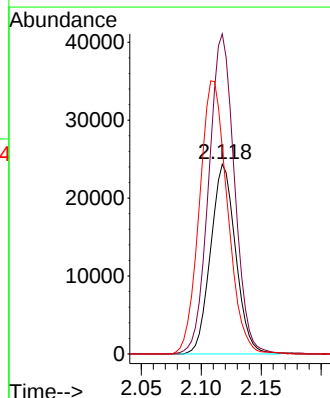
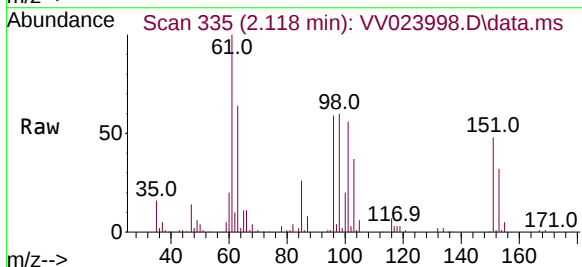
Tgt Ion: 96 Resp: 35288

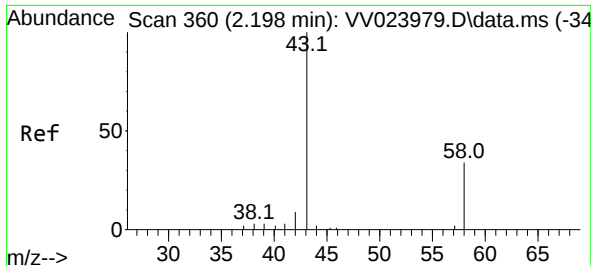
Ion Ratio Lower Upper

96 100

61 168.6 116.1 215.5

63 108.7 79.4 147.4

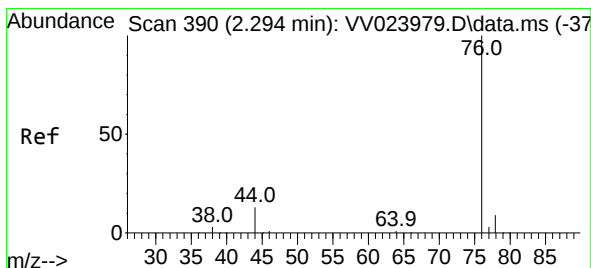
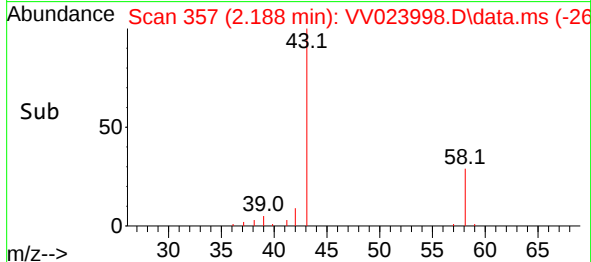
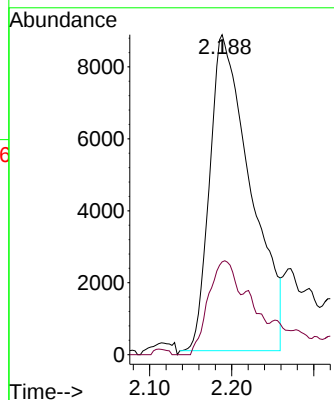
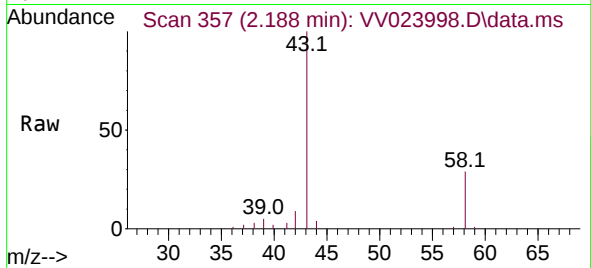




#13
Acetone
Concen: 36.171 ug/L
RT: 2.188 min Scan# 31
Delta R.T. -0.010 min
Lab File: VV023998.D
Acq: 15 Dec 2021 22:01

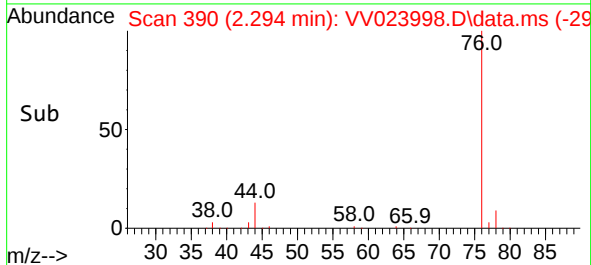
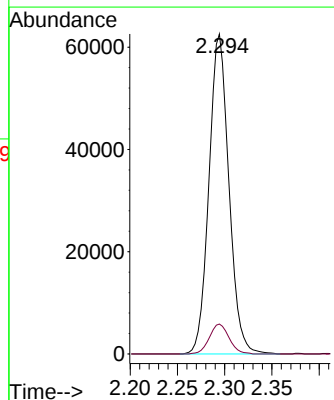
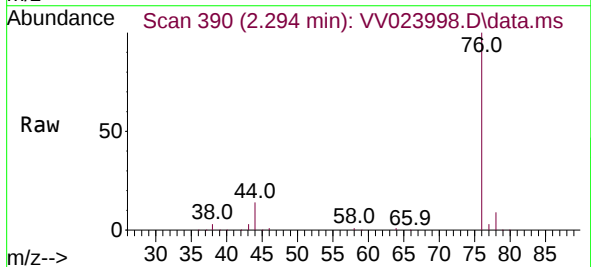
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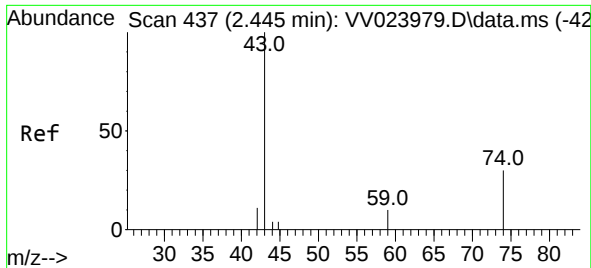
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Ion Ratio Lower Upper
43 100
58 20.7 0.0 41.4



#14
Carbon disulfide
Concen: 4.715 ug/L
RT: 2.294 min Scan# 390
Delta R.T. 0.000 min
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Tgt Ion: 76 Resp: 91683
Ion Ratio Lower Upper
76 100
78 9.3 7.5 11.3





#15

Methyl Acetate

Concen: 5.417 ug/L

RT: 2.439 min Scan# 41

Delta R.T. -0.006 min

Lab File: VV023998.D

Acq: 15 Dec 2021 22:01

Instrument :

MSVOA_V

ClientSampleId :

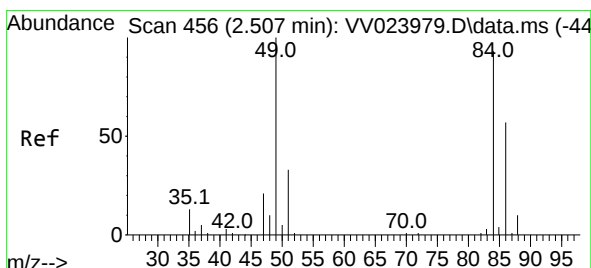
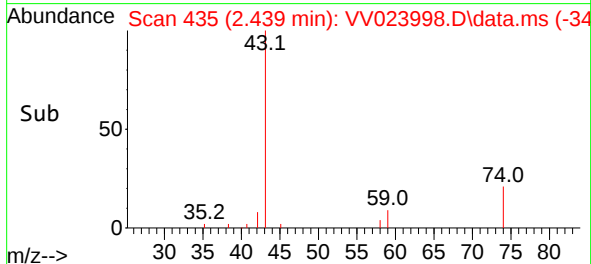
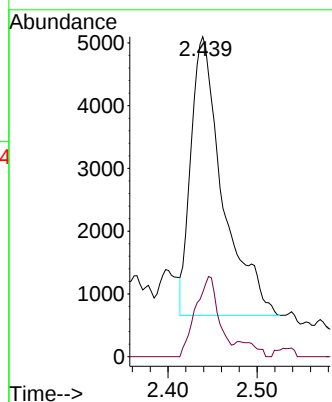
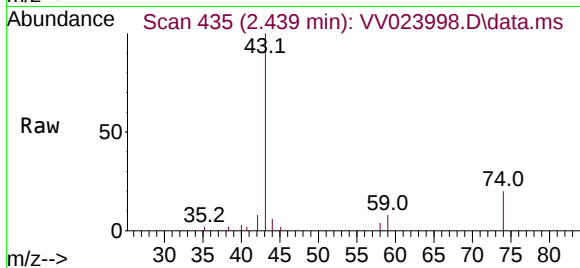
VSTD005395

Tgt Ion: 43 Resp: 11025

Ion Ratio Lower Upper

43 100

74 20.8 20.2 30.2



#16

Methylene chloride

Concen: 4.866 ug/L

RT: 2.507 min Scan# 456

Delta R.T. 0.000 min

Lab File: VV023998.D

Acq: 15 Dec 2021 22:01

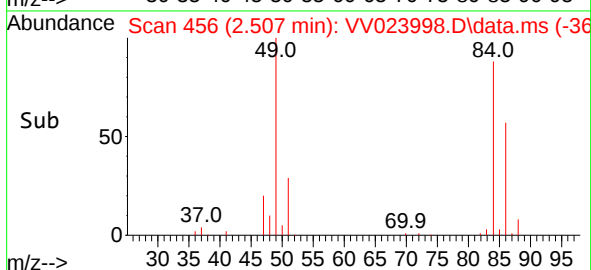
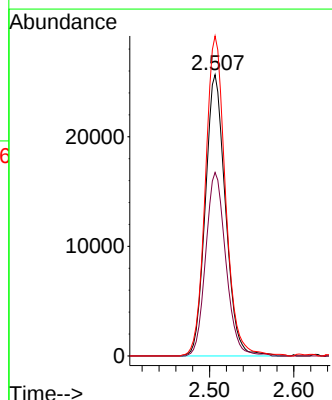
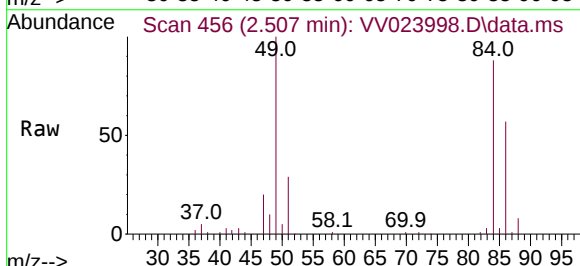
Tgt Ion: 84 Resp: 42676

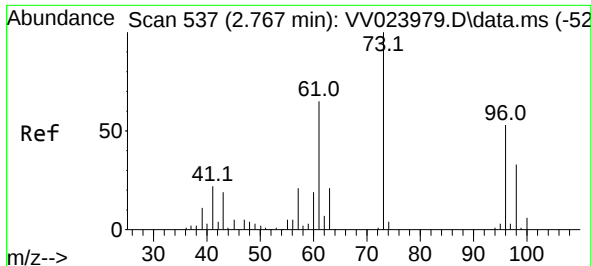
Ion Ratio Lower Upper

84 100

86 65.3 42.6 79.0

49 113.8 79.7 147.9

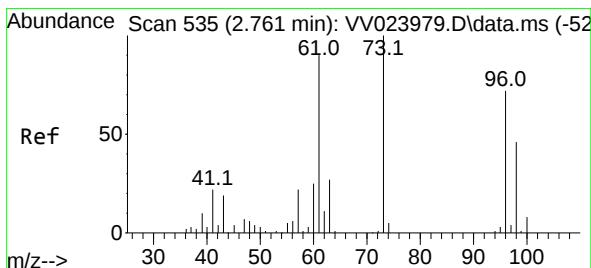
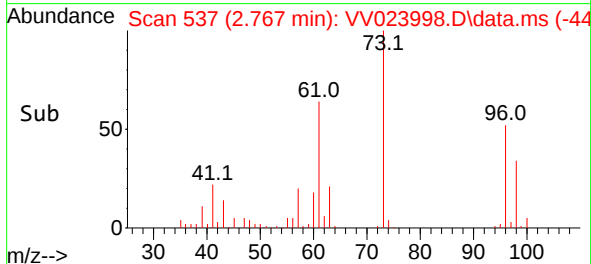
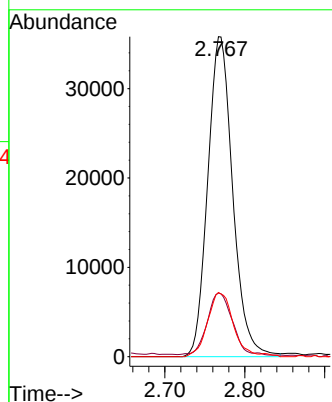
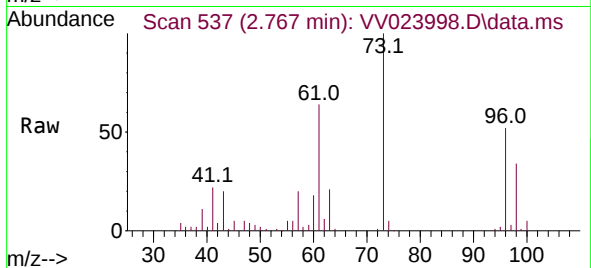




#17
Methyl tert-butyl Ether
Concen: 5.128 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV023998.D
Acq: 15 Dec 2021 22:01

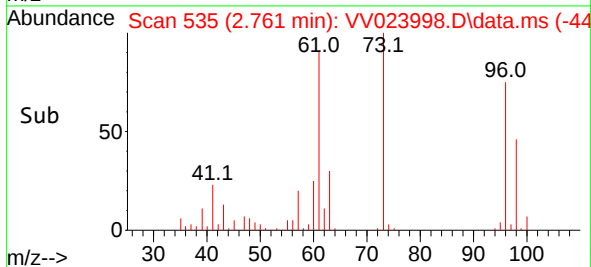
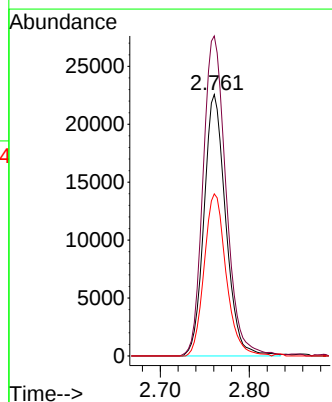
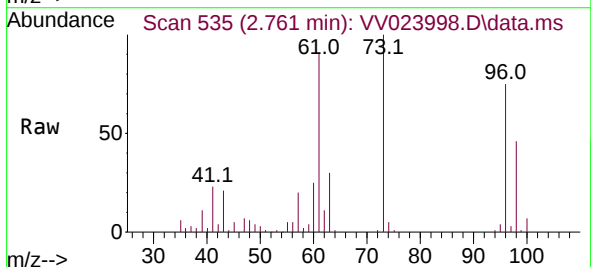
Instrument :
MSVOA_V
ClientSampleId :
VSTD005395

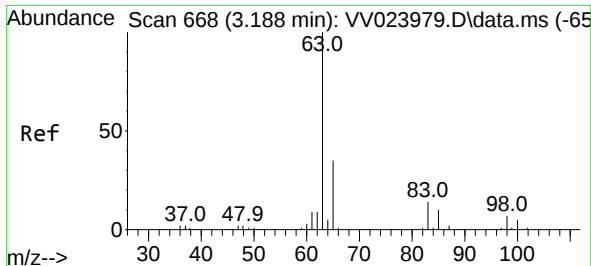
Tgt Ion: 73 Resp: 77742
Ion Ratio Lower Upper
73 100
43 18.7 15.5 23.3
57 20.4 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 5.159 ug/L
RT: 2.761 min Scan# 535
Delta R.T. 0.000 min
Lab File: VV023998.D
Acq: 15 Dec 2021 22:01

Tgt Ion: 96 Resp: 38283
Ion Ratio Lower Upper
96 100
61 122.4 88.2 163.8
98 62.0 44.9 83.5





#19

1,1-Dichloroethane

Concen: 5.293 ug/L

RT: 3.191 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV023998.D

Acq: 15 Dec 2021 22:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD005395

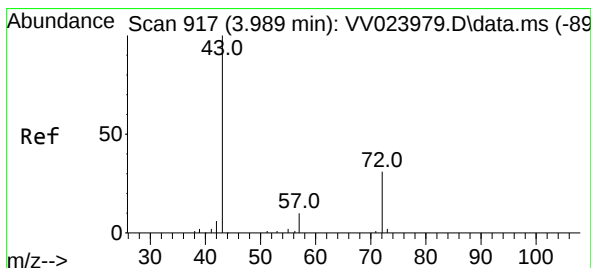
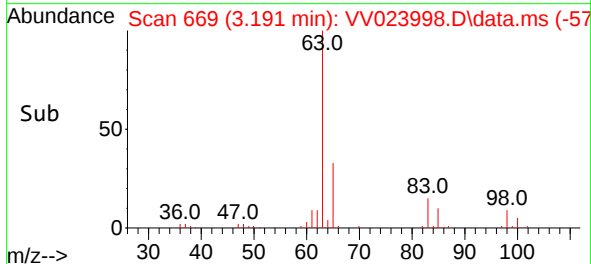
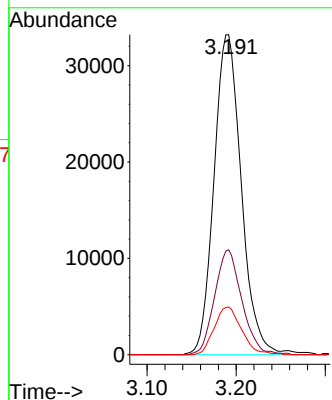
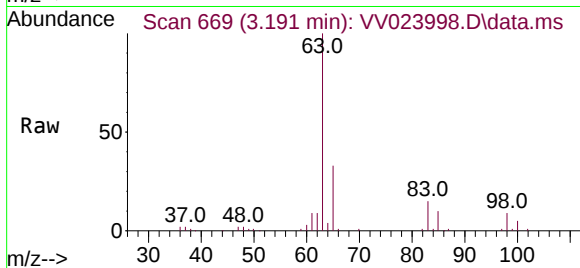
Tgt Ion: 63 Resp: 70494

Ion Ratio Lower Upper

63 100

65 32.8 22.3 41.3

83 14.9 10.7 19.9



#21

2-Butanone

Concen: 39.143 ug/L

RT: 3.982 min Scan# 915

Delta R.T. -0.006 min

Lab File: VV023998.D

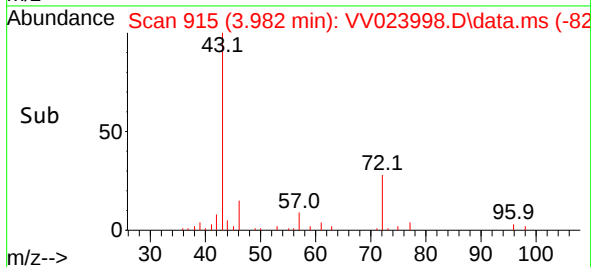
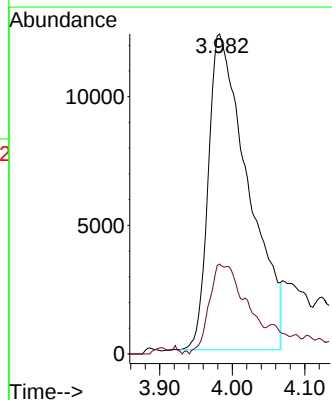
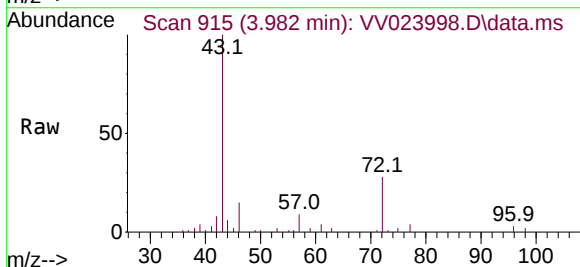
Acq: 15 Dec 2021 22:01

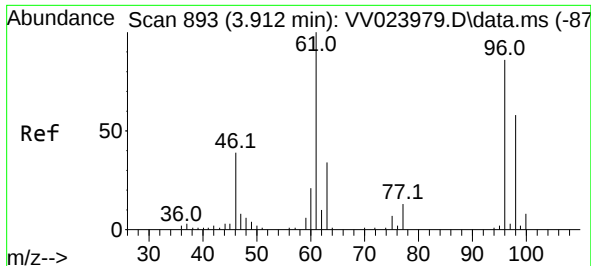
Tgt Ion: 43 Resp: 46957

Ion Ratio Lower Upper

43 100

72 26.1 11.1 33.1

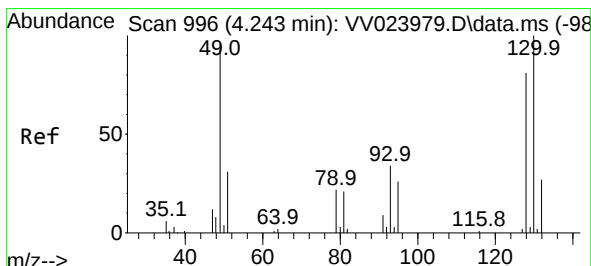
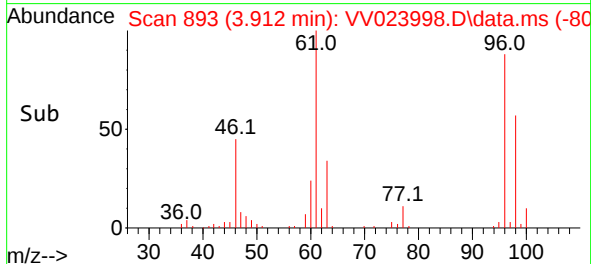
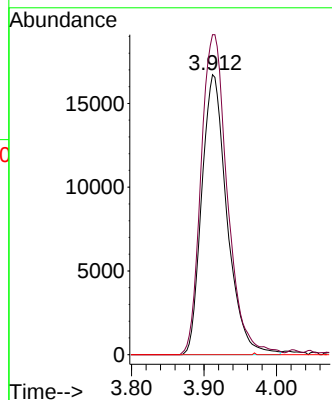
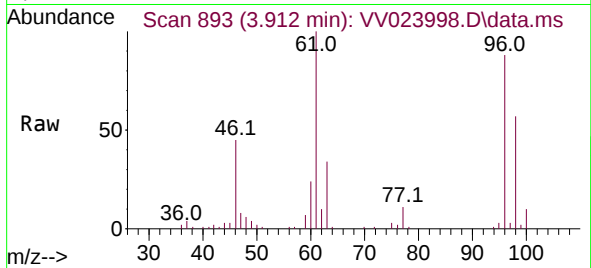




#22
 cis-1,2-Dichloroethene
 Concen: 5.149 ug/L
 RT: 3.912 min Scan# 893
 Delta R.T. 0.000 min
 Lab File: VV023998.D
 Acq: 15 Dec 2021 22:01

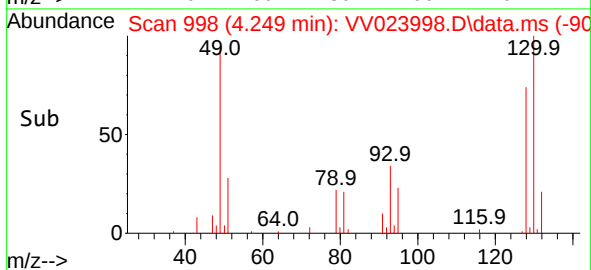
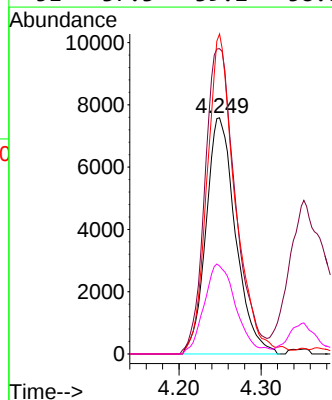
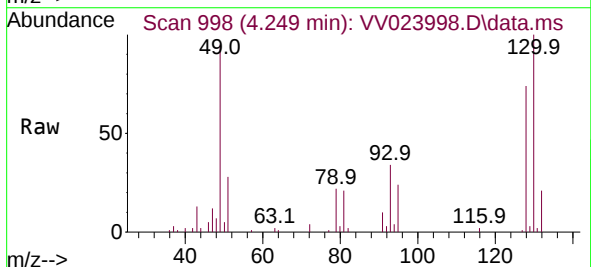
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005395

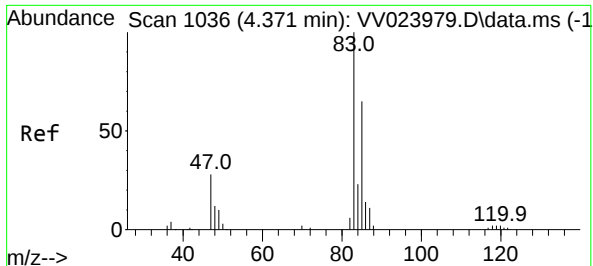
Tgt Ion: 96 Resp: 40446
 Ion Ratio Lower Upper
 96 100
 61 114.3 83.4 154.8
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 5.305 ug/L
 RT: 4.249 min Scan# 998
 Delta R.T. 0.007 min
 Lab File: VV023998.D
 Acq: 15 Dec 2021 22:01

Tgt Ion: 128 Resp: 18938
 Ion Ratio Lower Upper
 128 100
 49 129.3 100.2 186.2
 130 135.5 92.5 171.7
 51 37.3 39.2 58.8#





#25

Chloroform

Concen: 5.369 ug/L

RT: 4.378 min Scan# 1036

Delta R.T. 0.007 min

Lab File: VV023998.D

Acq: 15 Dec 2021 22:01

Instrument :

MSVOA_V

ClientSampleId :

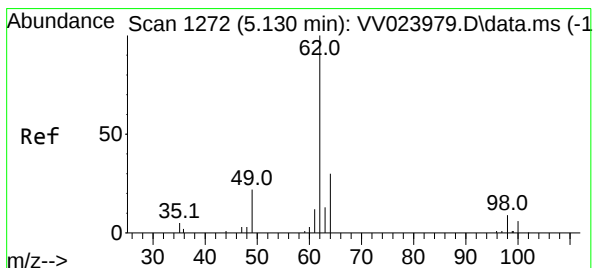
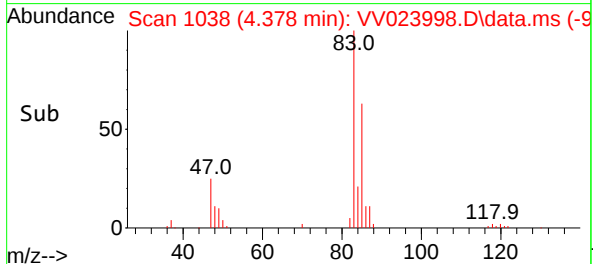
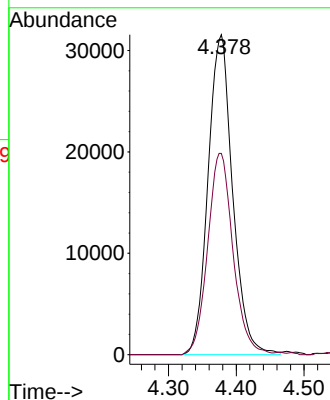
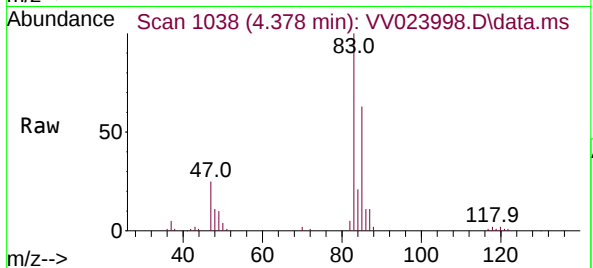
VSTD005395

Tgt Ion: 83 Resp: 79499

Ion Ratio Lower Upper

83 100

85 62.9 45.2 84.0



#27

1,2-Dichloroethane

Concen: 5.322 ug/L

RT: 5.130 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VV023998.D

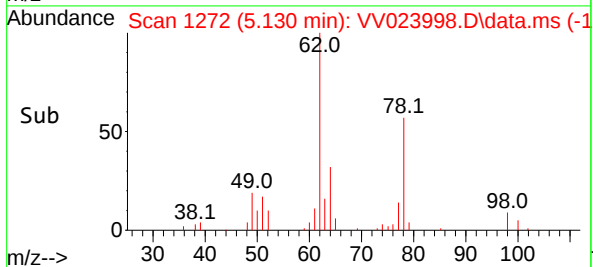
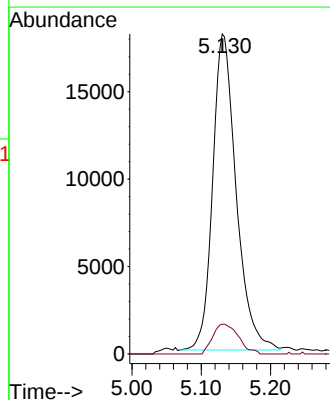
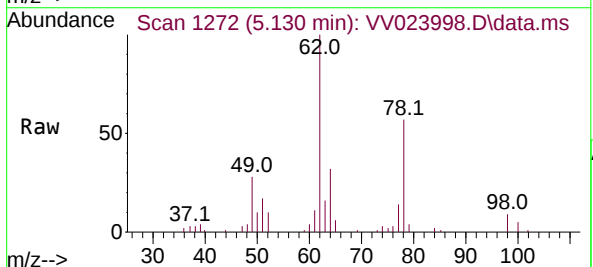
Acq: 15 Dec 2021 22:01

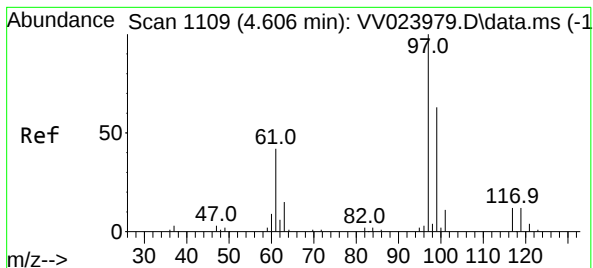
Tgt Ion: 62 Resp: 42689

Ion Ratio Lower Upper

62 100

98 9.3 8.1 12.1





#29

1,1,1-Trichloroethane

Concen: 5.392 ug/L

RT: 4.609 min Scan# 1109

Delta R.T. 0.003 min

Lab File: VV023998.D

Acq: 15 Dec 2021 22:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD005395

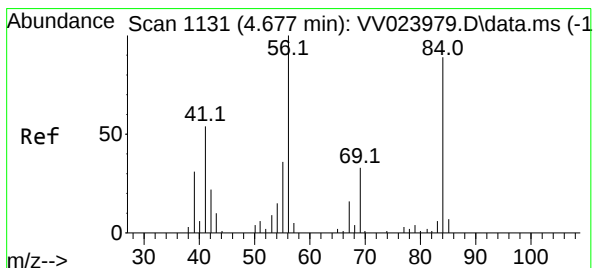
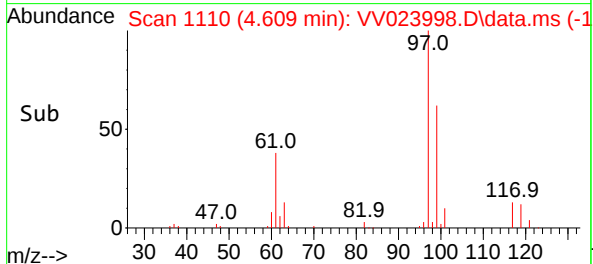
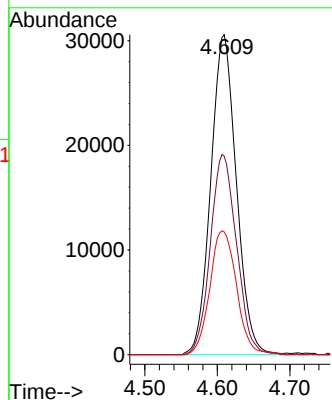
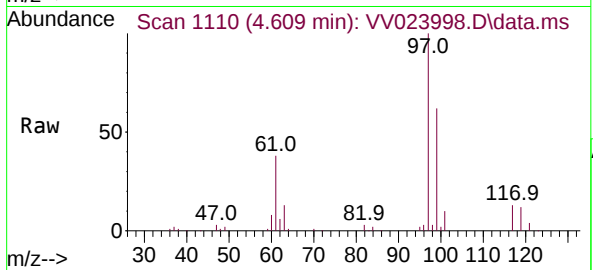
Tgt Ion: 97 Resp: 74986

Ion Ratio Lower Upper

97 100

99 64.2 51.9 77.9

61 40.6 33.2 49.8



#30

Cyclohexane

Concen: 4.714 ug/L

RT: 4.677 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VV023998.D

Acq: 15 Dec 2021 22:01

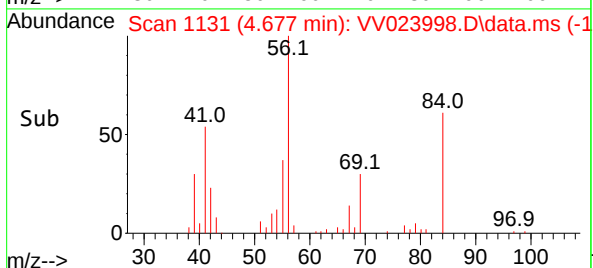
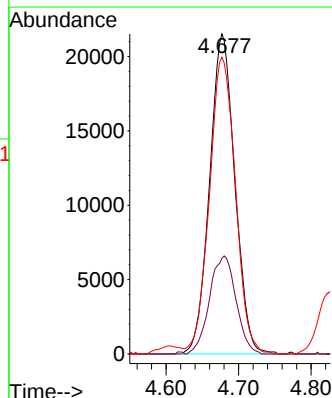
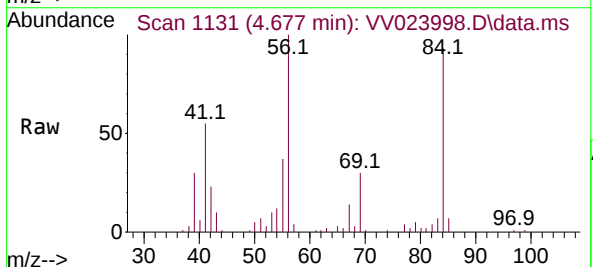
Tgt Ion: 56 Resp: 52000

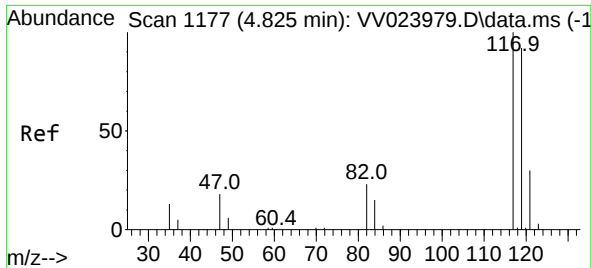
Ion Ratio Lower Upper

56 100

69 32.2 24.8 37.2

84 95.8 75.9 113.9

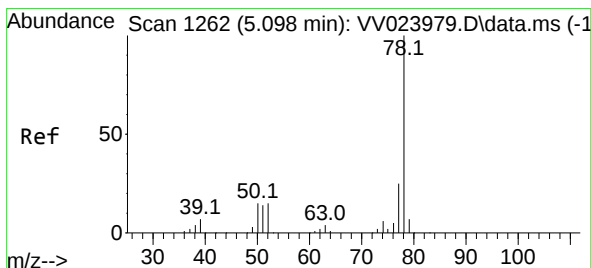
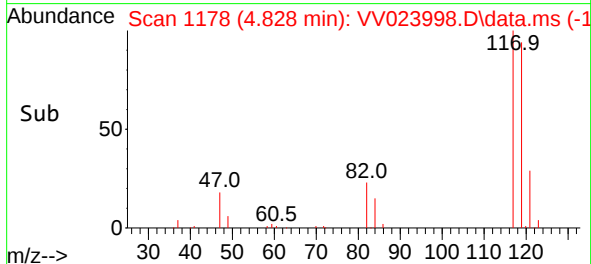
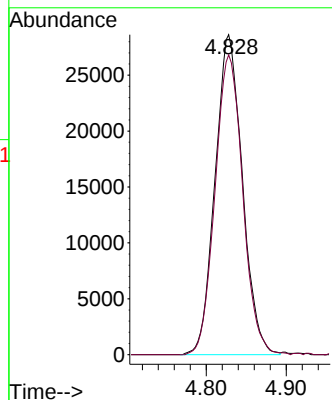
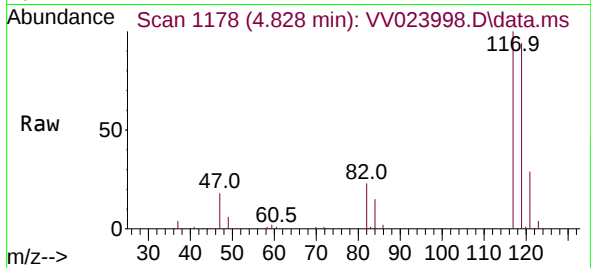




#31
Carbon tetrachloride
Concen: 5.190 ug/L
RT: 4.828 min Scan# 1177
Delta R.T. 0.003 min
Lab File: VV023998.D
Acq: 15 Dec 2021 22:01

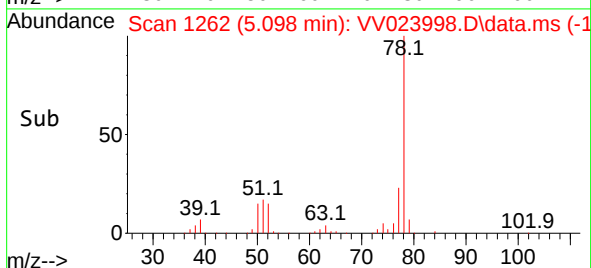
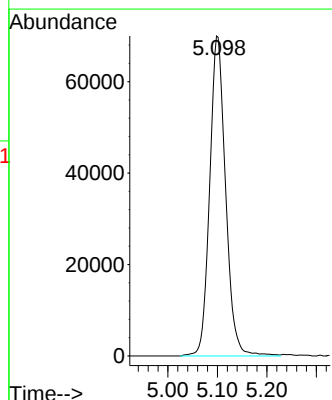
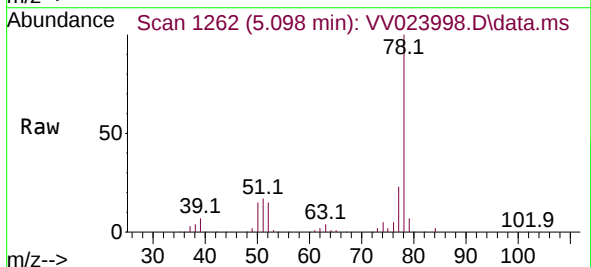
Instrument :
MSVOA_V
ClientSampleId :
VSTD005395

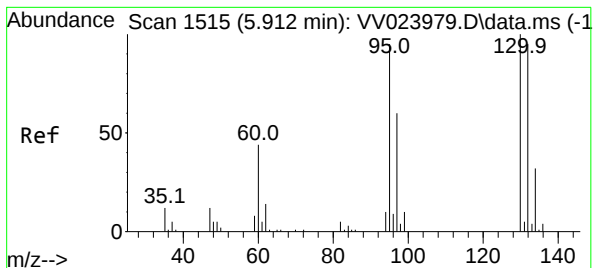
Tgt Ion:117 Resp: 67846
Ion Ratio Lower Upper
117 100
119 94.8 76.6 114.8



#33
Benzene
Concen: 5.184 ug/L
RT: 5.098 min Scan# 1262
Delta R.T. 0.000 min
Lab File: VV023998.D
Acq: 15 Dec 2021 22:01

Tgt Ion: 78 Resp: 155883





#34

Trichloroethene

Concen: 4.916 ug/L

RT: 5.912 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV023998.D

Acq: 15 Dec 2021 22:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD005395

Tgt Ion: 95 Resp: 41695

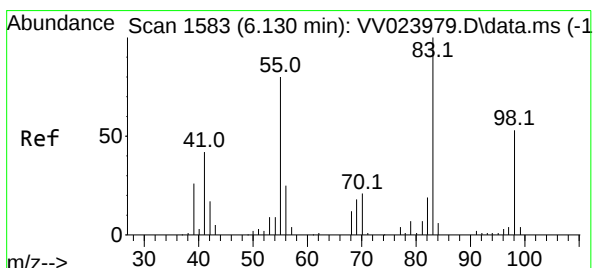
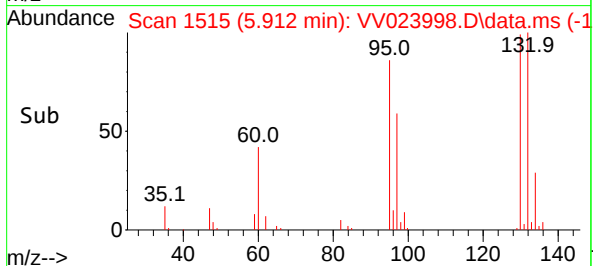
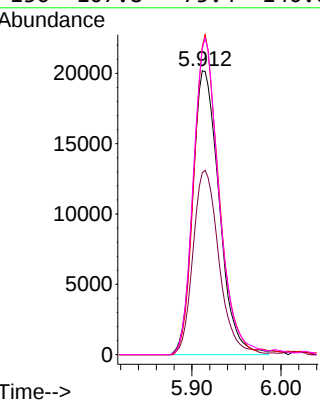
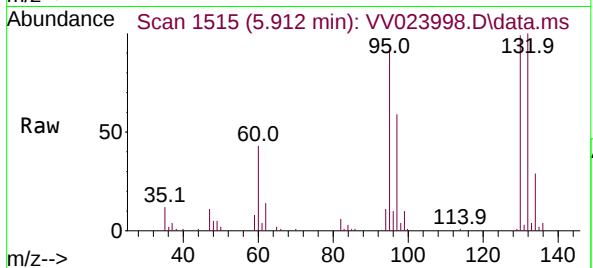
Ion Ratio Lower Upper

95 100

97 64.2 45.2 84.0

132 108.6 76.1 141.3

130 107.8 75.4 140.0



#35

Methylcyclohexane

Concen: 4.659 ug/L

RT: 6.130 min Scan# 1583

Delta R.T. 0.000 min

Lab File: VV023998.D

Acq: 15 Dec 2021 22:01

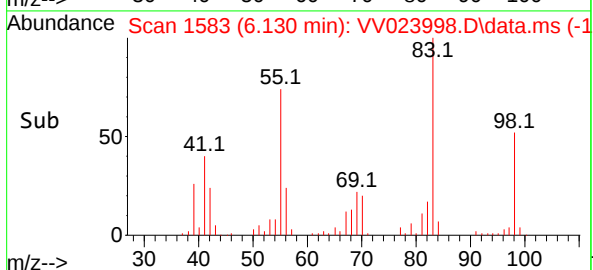
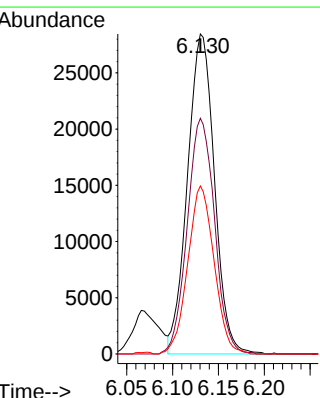
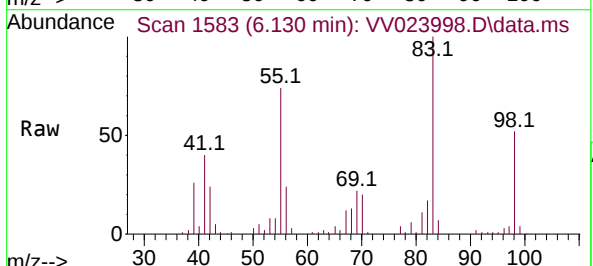
Tgt Ion: 83 Resp: 58165

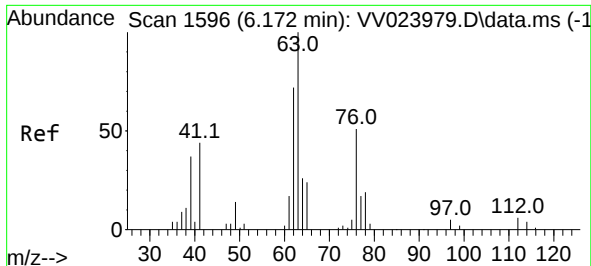
Ion Ratio Lower Upper

83 100

55 74.6 60.2 90.2

98 51.2 41.0 61.4





#37

1,2-Dichloropropane

Concen: 5.131 ug/L

RT: 6.175 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV023998.D

Acq: 15 Dec 2021 22:01

Instrument :

MSVOA_V

ClientSampleId :

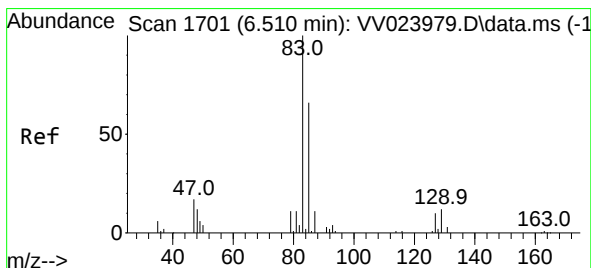
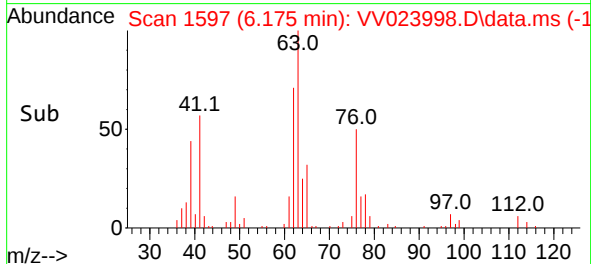
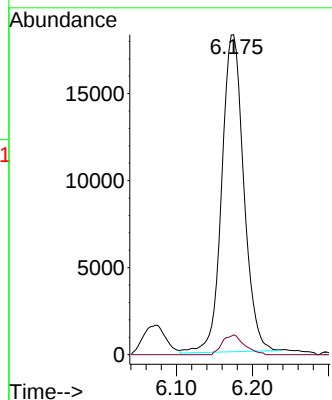
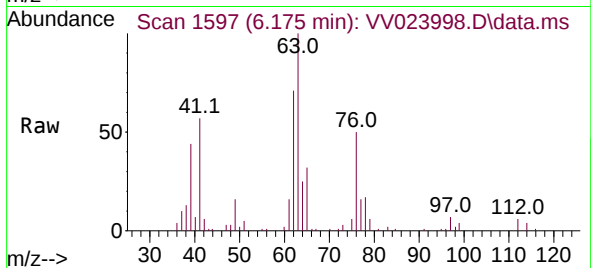
VSTD005395

Tgt Ion: 63 Resp: 36676

Ion Ratio Lower Upper

63 100

112 6.2 4.3 6.5



#38

Bromodichloromethane

Concen: 5.097 ug/L

RT: 6.510 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VV023998.D

Acq: 15 Dec 2021 22:01

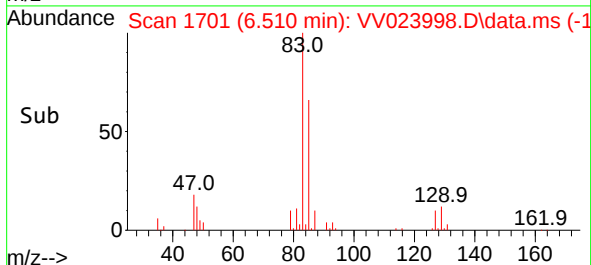
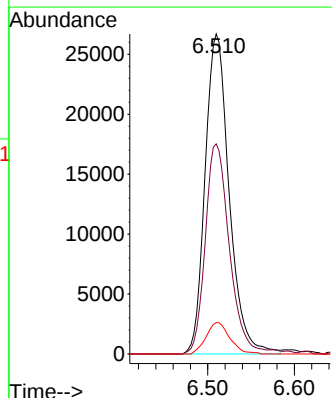
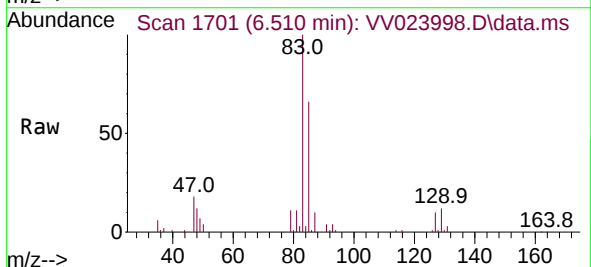
Tgt Ion: 83 Resp: 51606

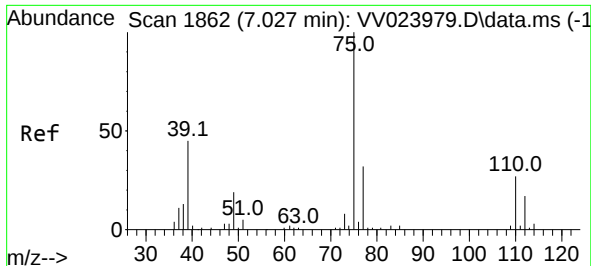
Ion Ratio Lower Upper

83 100

85 65.7 44.0 81.8

127 9.8 8.6 12.8





#39

cis-1,3-Dichloropropene

Concen: 4.508 ug/L

RT: 7.027 min Scan# 1862

Delta R.T. 0.000 min

Lab File: VV023998.D

Acq: 15 Dec 2021 22:01

Instrument :

MSVOA_V

ClientSampleId :

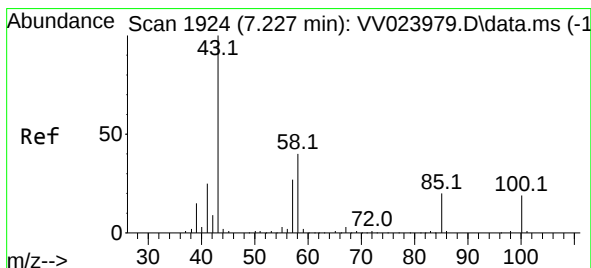
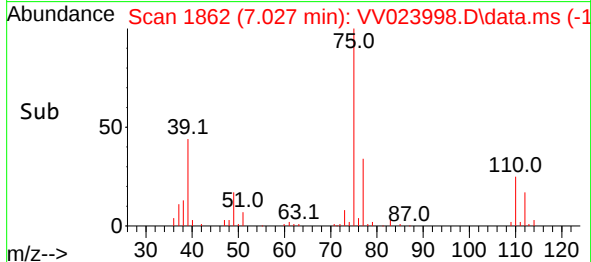
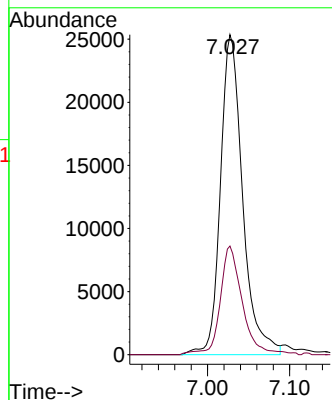
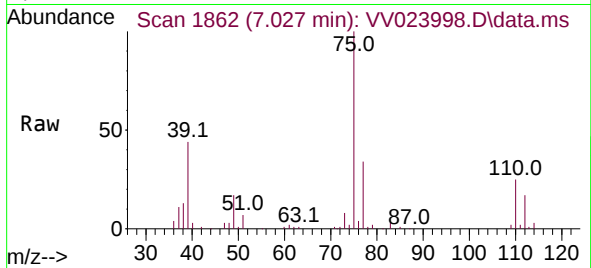
VSTD005395

Tgt Ion: 75 Resp: 47826

Ion Ratio Lower Upper

75 100

77 34.0 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 53.579 ug/L

RT: 7.227 min Scan# 1924

Delta R.T. 0.000 min

Lab File: VV023998.D

Acq: 15 Dec 2021 22:01

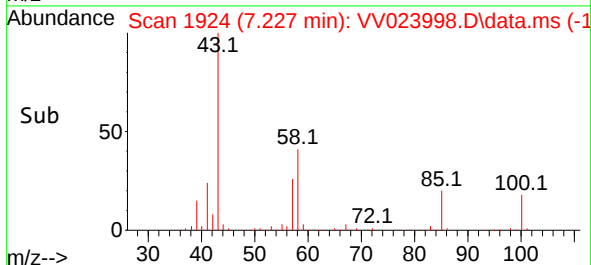
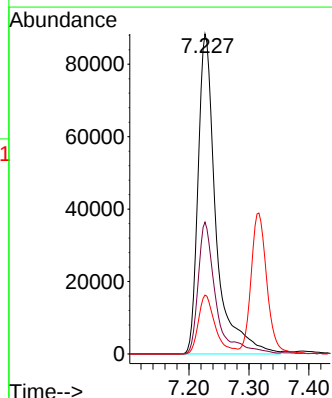
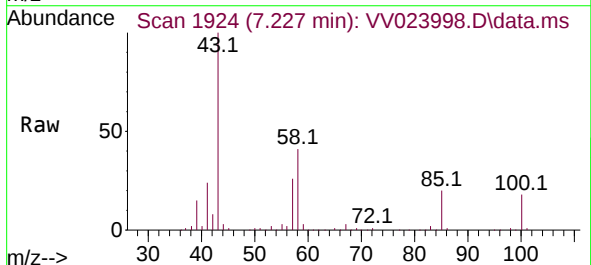
Tgt Ion: 43 Resp: 183955

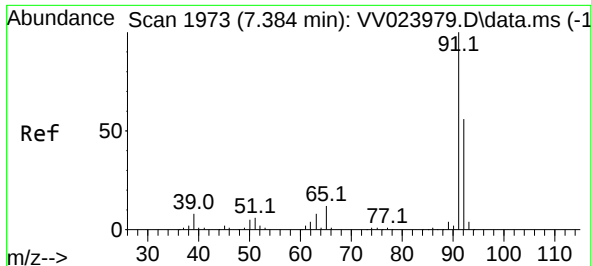
Ion Ratio Lower Upper

43 100

58 40.9 32.3 48.5

100 17.5 13.0 19.6





#42

Toluene

Concen: 5.273 ug/L

RT: 7.387 min Scan# 1973

Delta R.T. 0.003 min

Lab File: VV023998.D

Acq: 15 Dec 2021 22:01

Instrument :

MSVOA_V

ClientSampleId :

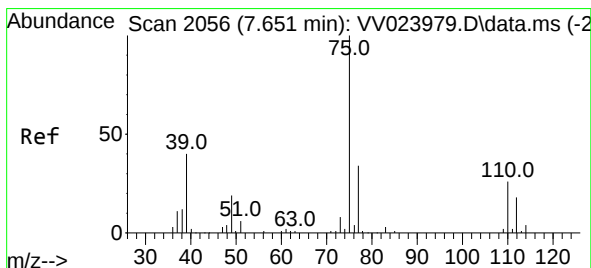
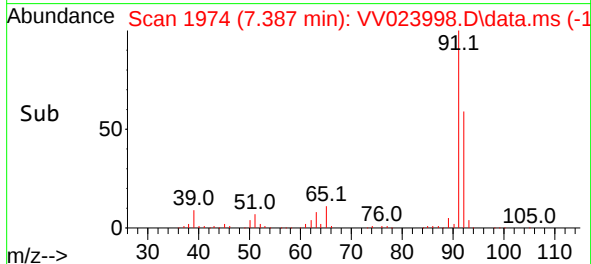
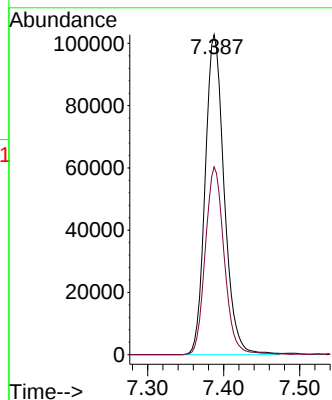
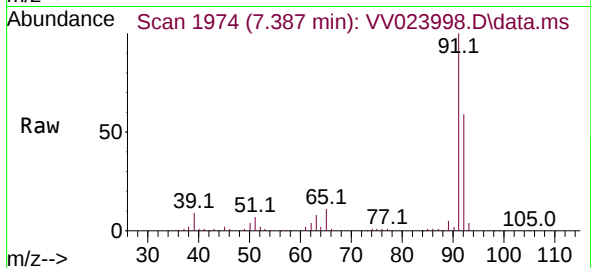
VSTD005395

Tgt Ion: 91 Resp: 178447

Ion Ratio Lower Upper

91 100

92 58.7 41.5 77.1



#44

trans-1,3-Dichloropropene

Concen: 4.879 ug/L

RT: 7.651 min Scan# 2056

Delta R.T. 0.000 min

Lab File: VV023998.D

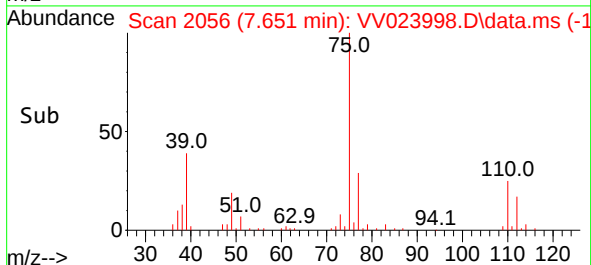
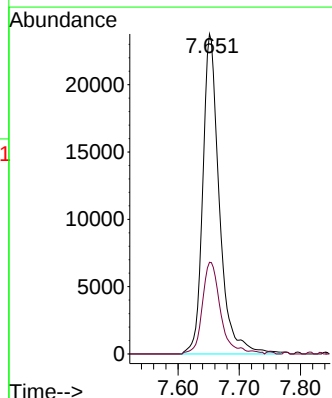
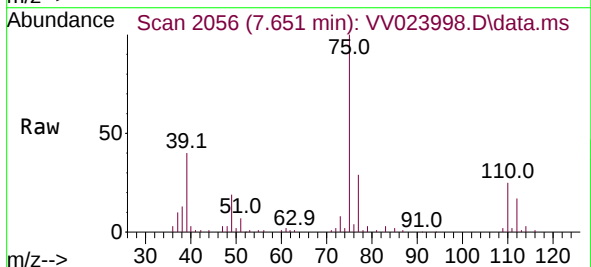
Acq: 15 Dec 2021 22:01

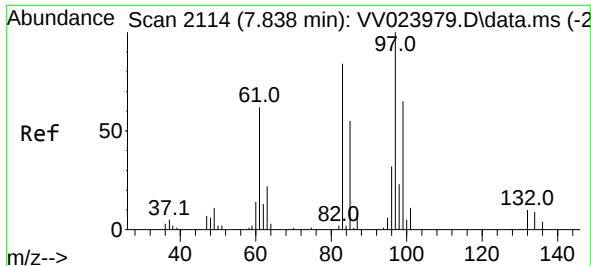
Tgt Ion: 75 Resp: 44748

Ion Ratio Lower Upper

75 100

77 28.7 21.8 40.4



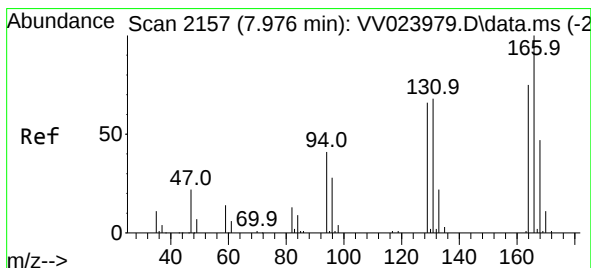
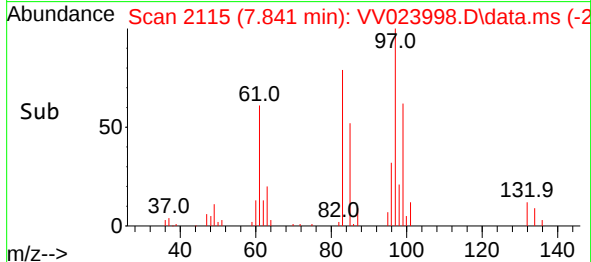
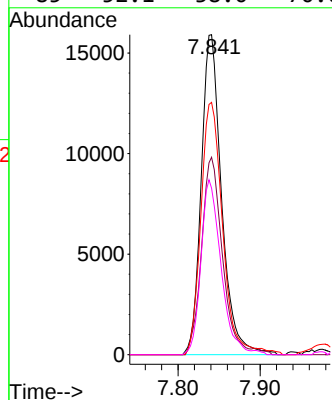
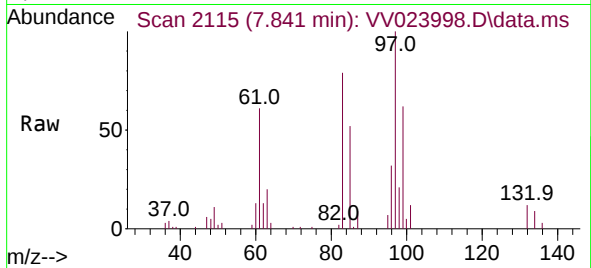


#45
1,1,2-Trichloroethane
Concen: 5.198 ug/L
RT: 7.841 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VV023998.D
Acq: 15 Dec 2021 22:01

Instrument :
MSVOA_V
ClientSampleId :
VSTD005395

Tgt Ion: 97 Resp: 27484

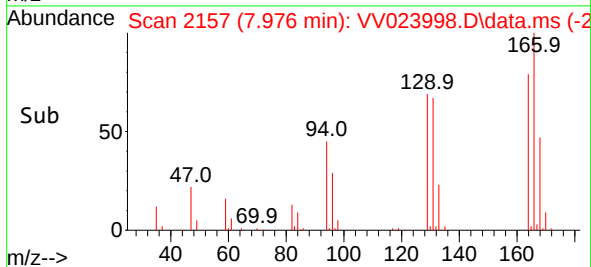
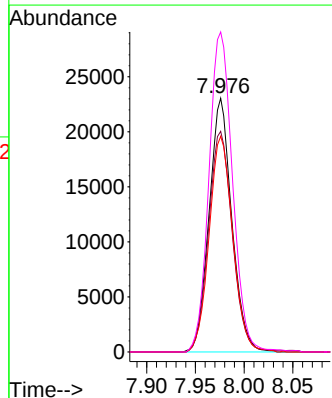
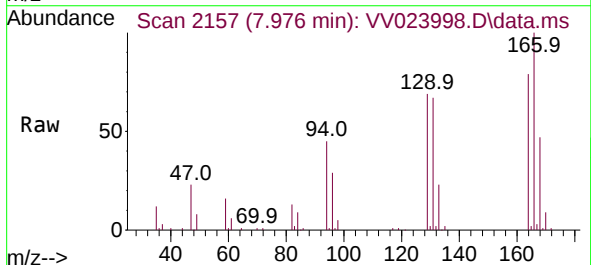
Ion	Ratio	Lower	Upper
97	100		
99	61.7	43.1	80.1
83	78.9	57.9	107.5
85	52.1	38.0	70.6

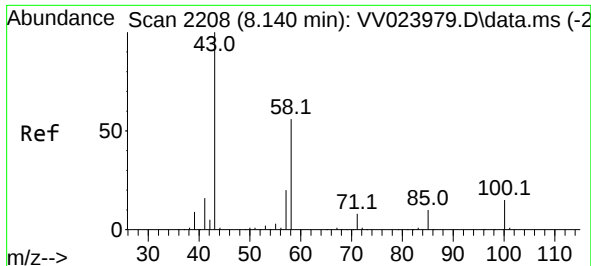


#47
Tetrachloroethene
Concen: 5.007 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.000 min
Lab File: VV023998.D
Acq: 15 Dec 2021 22:01

Tgt Ion: 164 Resp: 37389

Ion	Ratio	Lower	Upper
164	100		
129	87.0	62.6	116.2
131	85.0	61.0	113.4
166	126.1	87.3	162.1



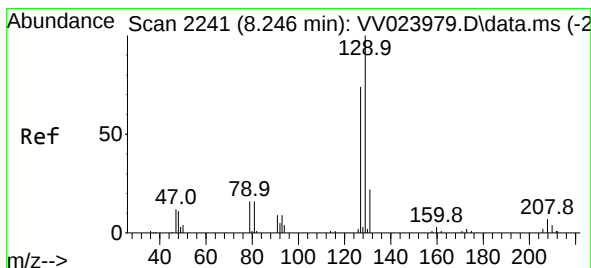
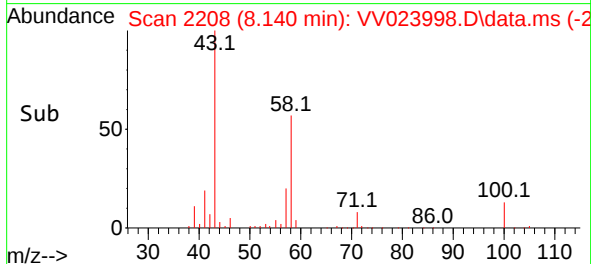
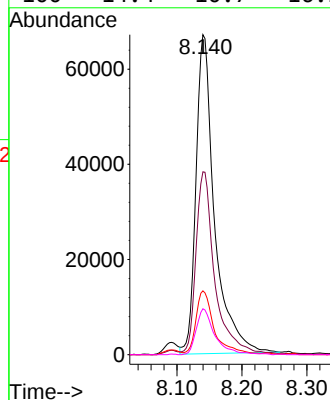
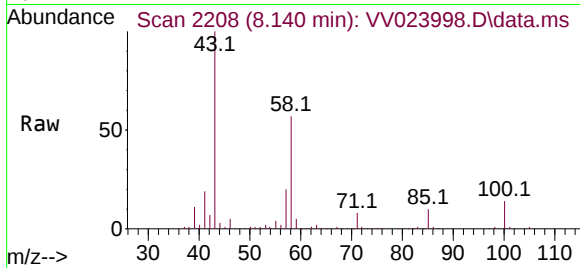


#48
2-Hexanone
Concen: 53.640 ug/L
RT: 8.140 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV023998.D
Acq: 15 Dec 2021 22:01

Instrument :
MSVOA_V
ClientSampleId :
VSTD005395

Tgt Ion: 43 Resp: 133537

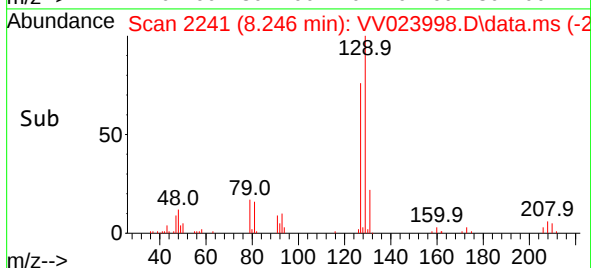
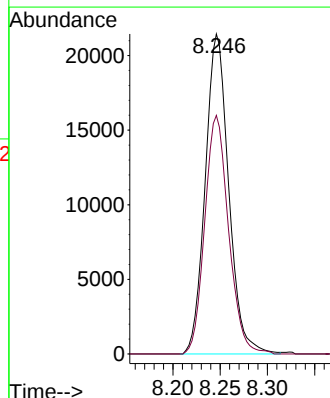
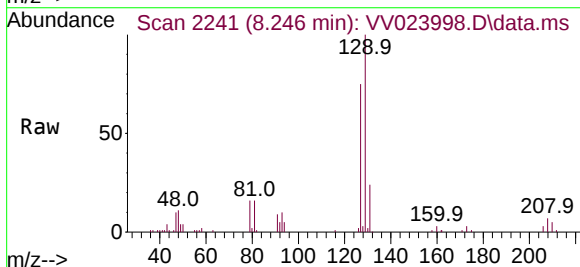
Ion	Ratio	Lower	Upper
43	100		
58	57.8	44.5	66.7
57	19.0	15.1	22.7
100	14.4	10.7	16.1

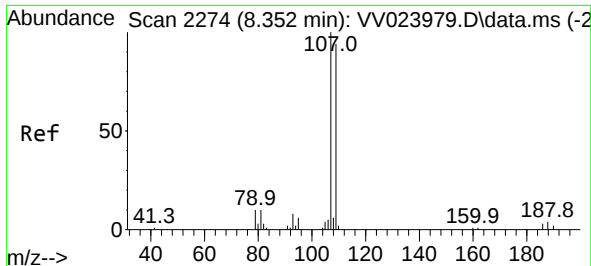


#49
Dibromochloromethane
Concen: 5.151 ug/L
RT: 8.246 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VV023998.D
Acq: 15 Dec 2021 22:01

Tgt Ion: 129 Resp: 37059

Ion	Ratio	Lower	Upper
129	100		
127	74.5	53.5	99.3





#50

1,2-Dibromoethane

Concen: 5.033 ug/L

RT: 8.352 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV023998.D

Acq: 15 Dec 2021 22:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD005395

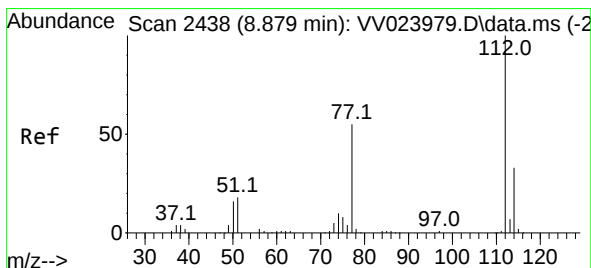
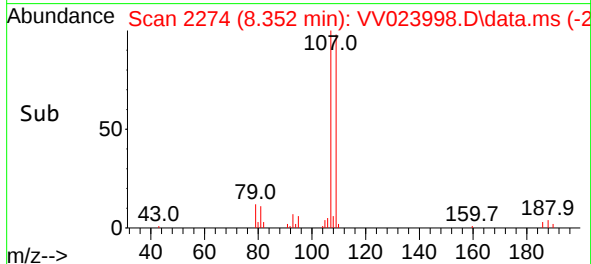
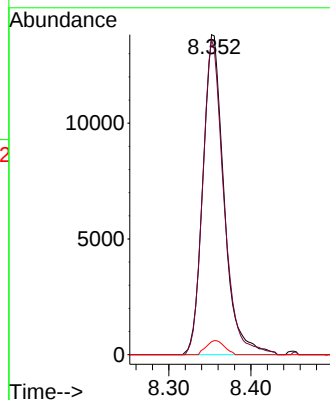
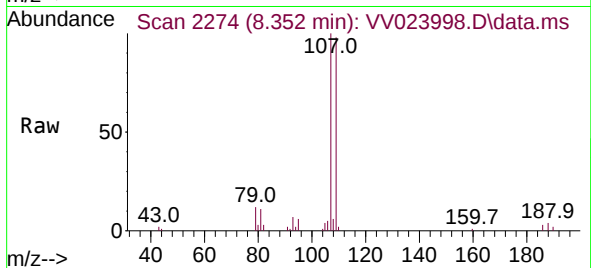
Tgt Ion:107 Resp: 24708

Ion Ratio Lower Upper

107 100

109 98.4 62.5 116.1

188 4.1 3.4 5.2



#51

Chlorobenzene

Concen: 5.114 ug/L

RT: 8.883 min Scan# 2439

Delta R.T. 0.003 min

Lab File: VV023998.D

Acq: 15 Dec 2021 22:01

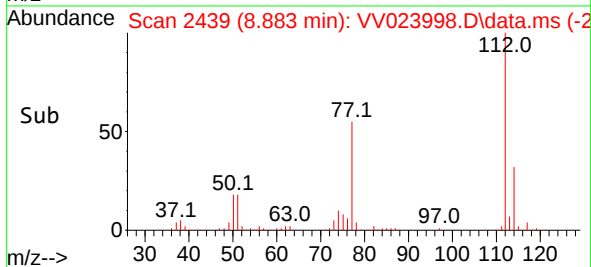
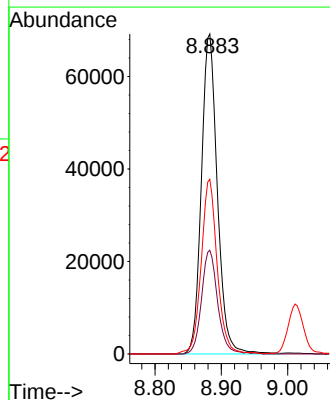
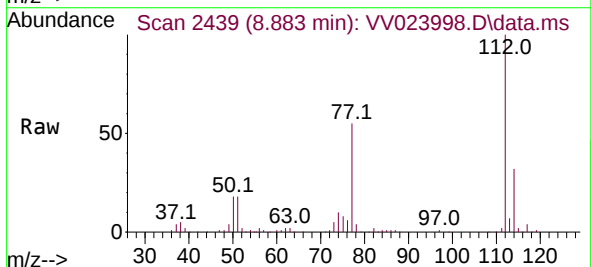
Tgt Ion:112 Resp: 115680

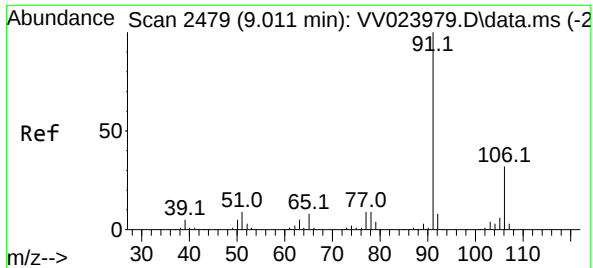
Ion Ratio Lower Upper

112 100

114 32.4 23.3 43.3

77 54.6 43.3 64.9





#52

Ethylbenzene

Concen: 5.086 ug/L

RT: 9.011 min Scan# 2479

Delta R.T. 0.000 min

Lab File: VV023998.D

Acq: 15 Dec 2021 22:01

Instrument :

MSVOA_V

ClientSampleId :

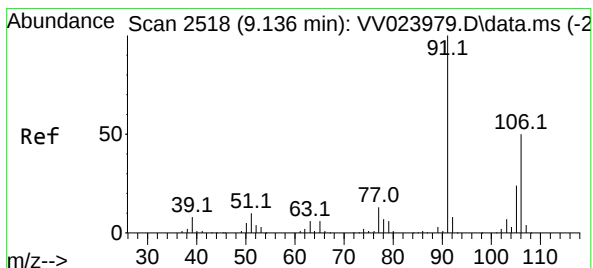
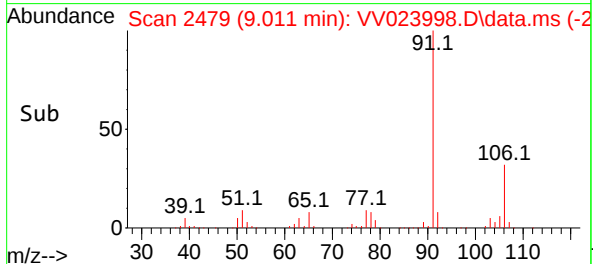
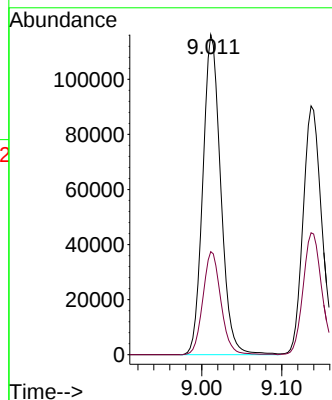
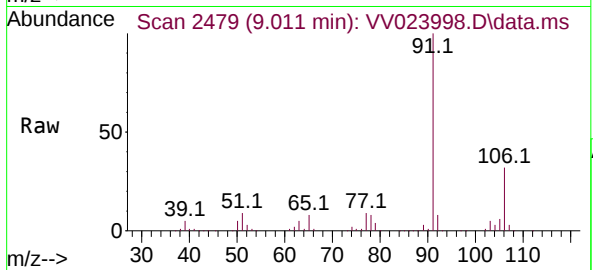
VSTD005395

Tgt Ion: 91 Resp: 181625

Ion Ratio Lower Upper

91 100

106 32.2 22.0 41.0



#53

m,p-xylene

Concen: 5.153 ug/L

RT: 9.137 min Scan# 2518

Delta R.T. 0.000 min

Lab File: VV023998.D

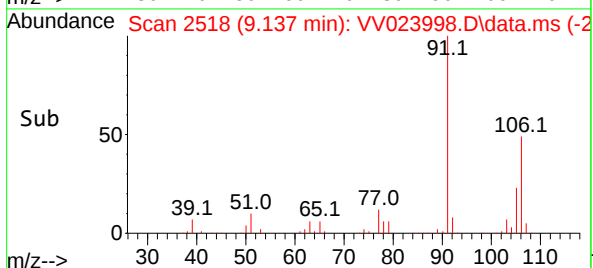
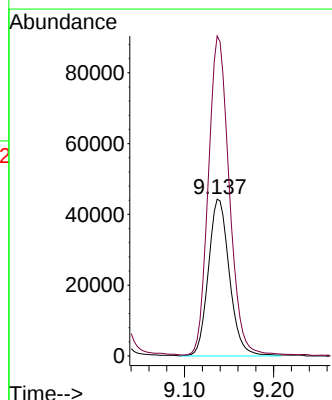
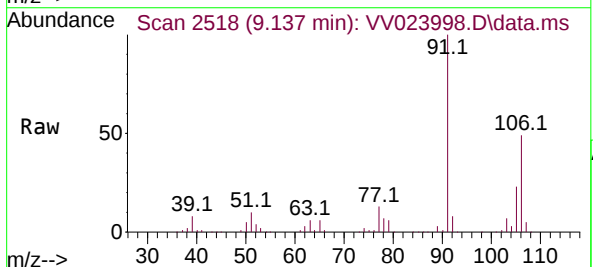
Acq: 15 Dec 2021 22:01

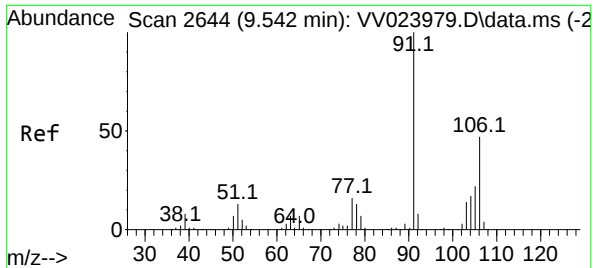
Tgt Ion:106 Resp: 72764

Ion Ratio Lower Upper

106 100

91 204.1 139.5 259.1

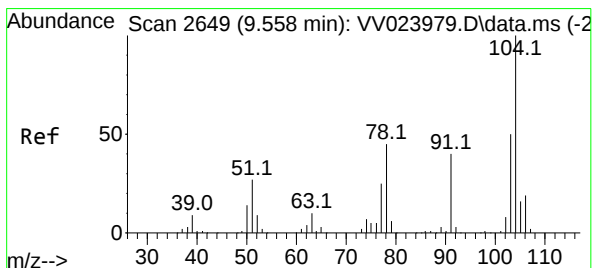
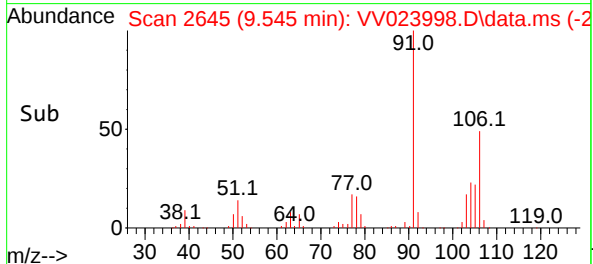
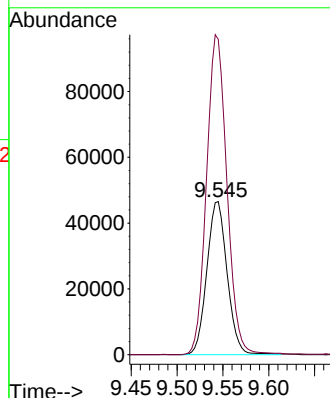
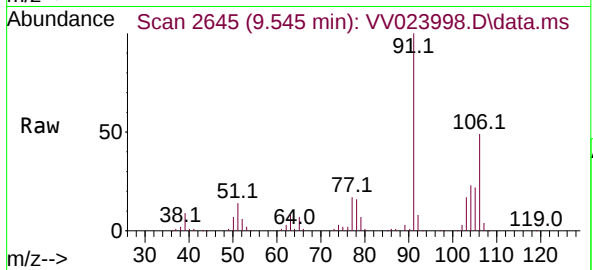




#54
o-xylene
Concen: 5.253 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. 0.003 min
Lab File: VV023998.D
Acq: 15 Dec 2021 22:01

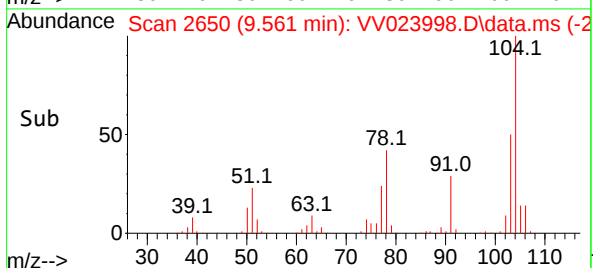
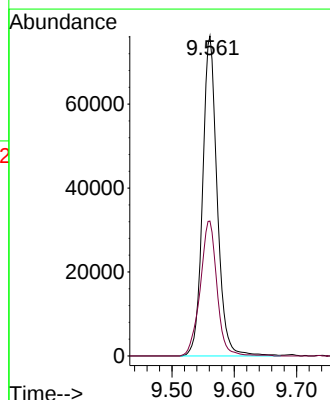
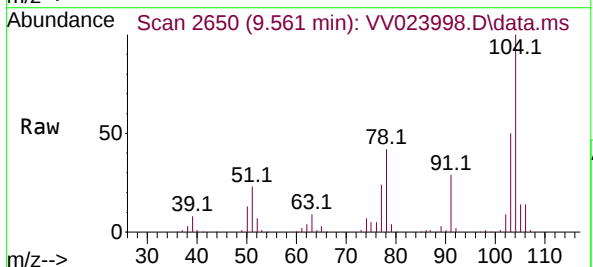
Instrument :
MSVOA_V
ClientSampleId :
VSTD005395

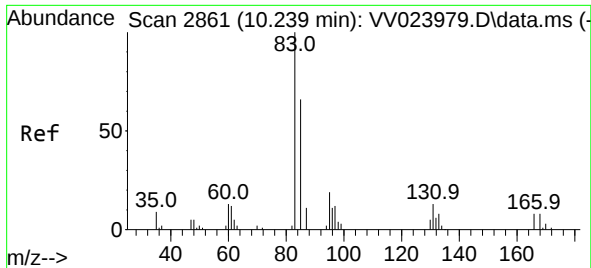
Tgt Ion:106 Resp: 71736
Ion Ratio Lower Upper
106 100
91 205.9 147.9 274.7



#55
Styrene
Concen: 5.453 ug/L
RT: 9.561 min Scan# 2650
Delta R.T. 0.003 min
Lab File: VV023998.D
Acq: 15 Dec 2021 22:01

Tgt Ion:104 Resp: 123973
Ion Ratio Lower Upper
104 100
78 42.2 31.0 57.6

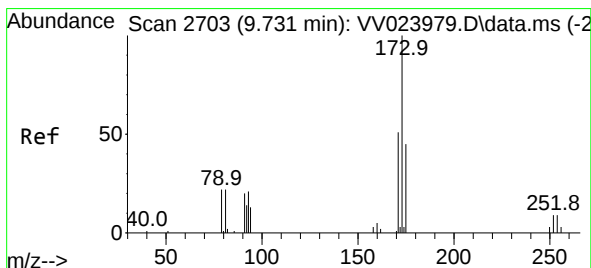
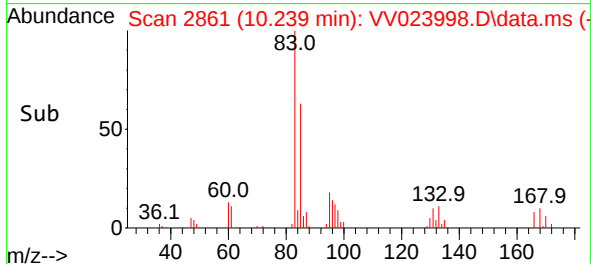
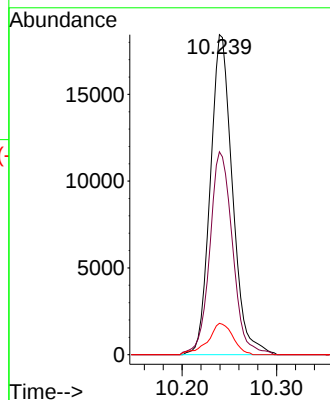
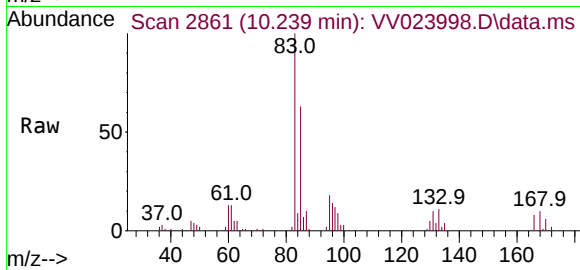




#57
1,1,2,2-Tetrachloroethane
Concen: 5.175 ug/L
RT: 10.239 min Scan# 2861
Delta R.T. 0.000 min
Lab File: VV023998.D
Acq: 15 Dec 2021 22:01

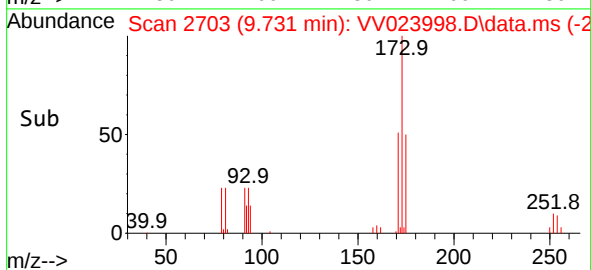
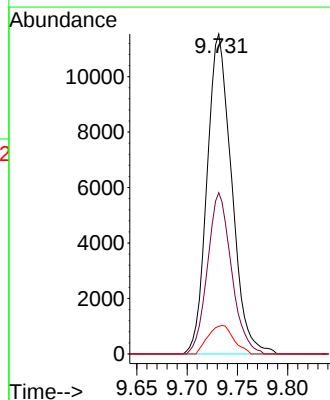
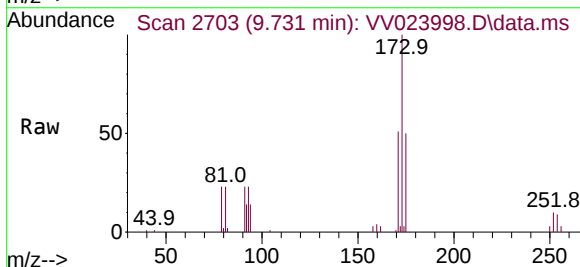
Instrument :
MSVOA_V
ClientSampleId :
VSTD005395

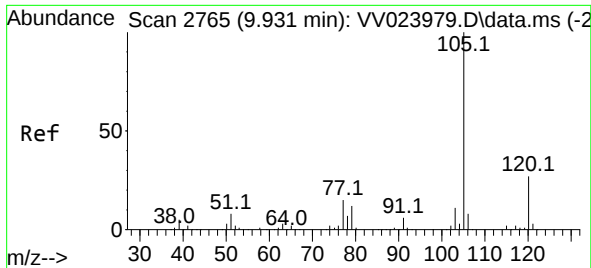
Tgt Ion:	83	Resp:	29964
Ion	Ratio	Lower	Upper
83	100		
85	63.4	44.6	82.8
131	9.8	8.3	12.5



#59
Bromoform
Concen: 4.788 ug/L
RT: 9.731 min Scan# 2703
Delta R.T. 0.000 min
Lab File: VV023998.D
Acq: 15 Dec 2021 22:01

Tgt Ion:	173	Resp:	19597
Ion	Ratio	Lower	Upper
173	100		
175	49.2	39.4	59.2
254	9.2	7.4	11.0

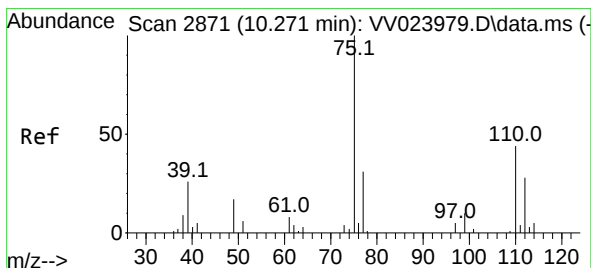
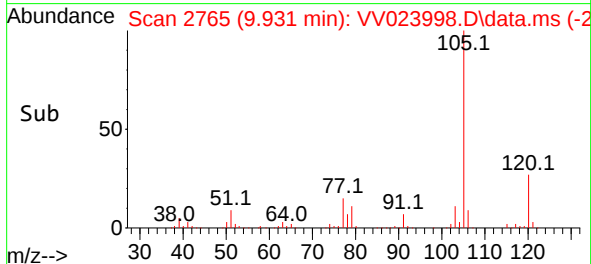
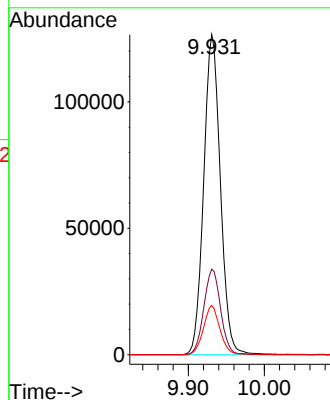
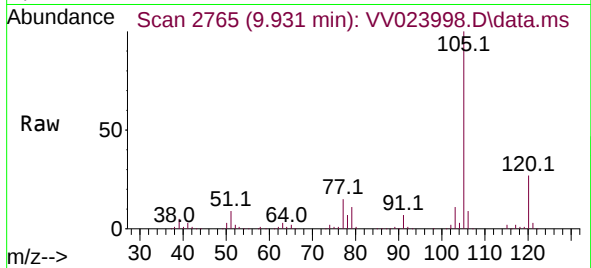




#60
Isopropylbenzene
Concen: 5.152 ug/L
RT: 9.931 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV023998.D
Acq: 15 Dec 2021 22:01

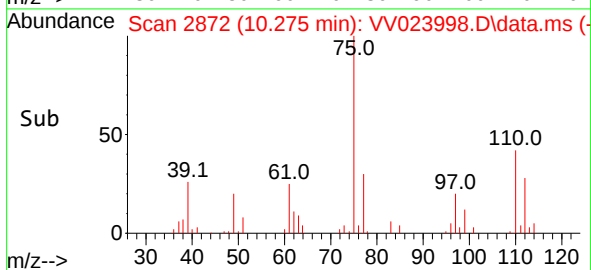
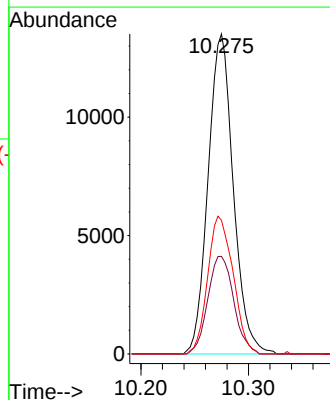
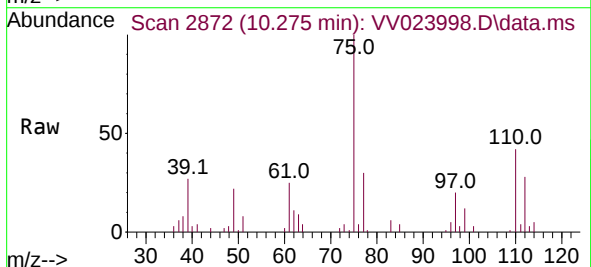
Instrument :
MSVOA_V
ClientSampleId :
VSTD005395

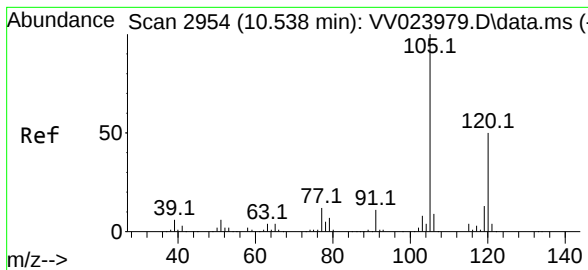
Tgt Ion:105 Resp: 192913
Ion Ratio Lower Upper
105 100
120 26.8 21.4 32.0
77 15.2 12.2 18.4



#61
1,2,3-Trichloropropane
Concen: 5.063 ug/L
RT: 10.275 min Scan# 2872
Delta R.T. 0.003 min
Lab File: VV023998.D
Acq: 15 Dec 2021 22:01

Tgt Ion: 75 Resp: 21999
Ion Ratio Lower Upper
75 100
77 31.4 26.4 39.6
110 43.4 34.2 51.2

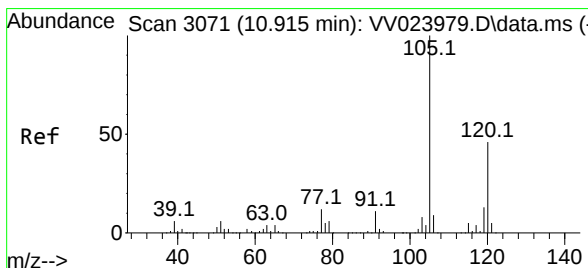
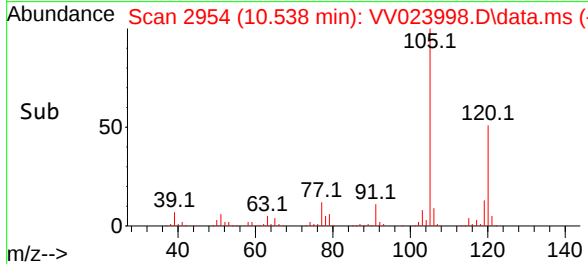
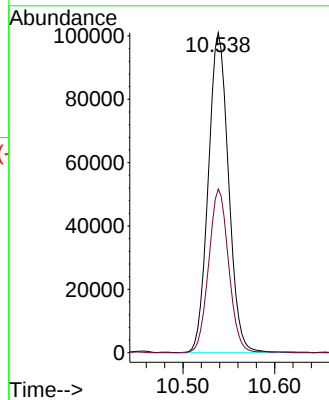
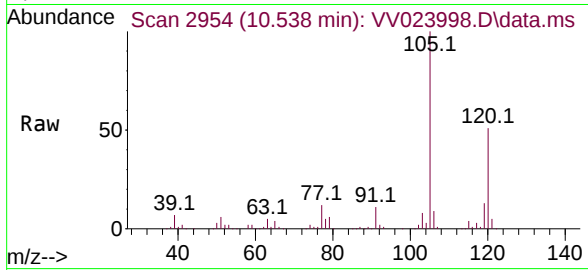




#62
 1,3,5-Trimethylbenzene
 Concen: 4.990 ug/L
 RT: 10.538 min Scan# 2954
 Delta R.T. 0.000 min
 Lab File: VV023998.D
 Acq: 15 Dec 2021 22:01

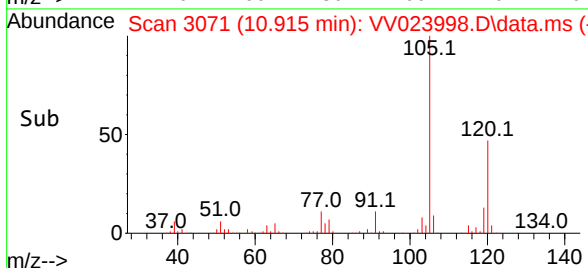
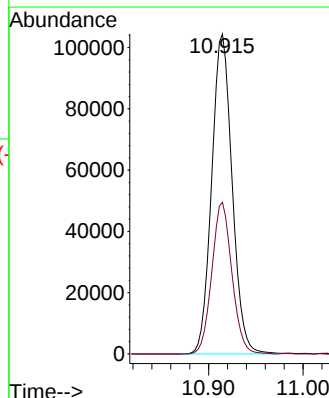
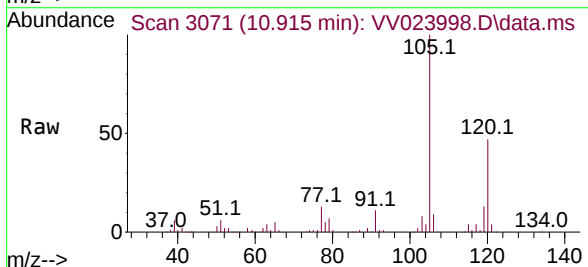
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005395

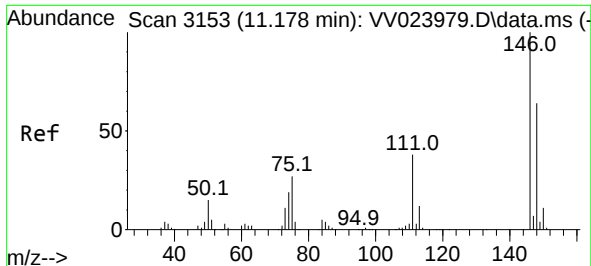
Tgt Ion:105 Resp: 155006
 Ion Ratio Lower Upper
 105 100
 120 50.4 40.1 60.1



#63
 1,2,4-Trimethylbenzene
 Concen: 5.070 ug/L
 RT: 10.915 min Scan# 3071
 Delta R.T. 0.000 min
 Lab File: VV023998.D
 Acq: 15 Dec 2021 22:01

Tgt Ion:105 Resp: 156913
 Ion Ratio Lower Upper
 105 100
 120 46.5 36.7 55.1





#64

1,3-Dichlorobenzene

Concen: 5.213 ug/L

RT: 11.182 min Scan# 3153

Delta R.T. 0.003 min

Lab File: VV023998.D

Acq: 15 Dec 2021 22:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD005395

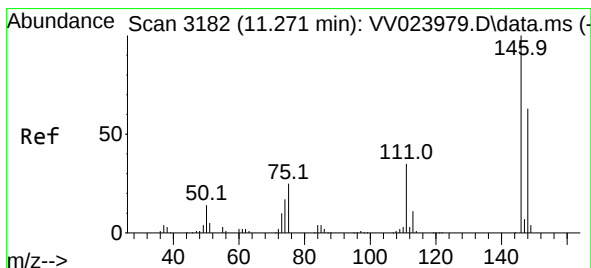
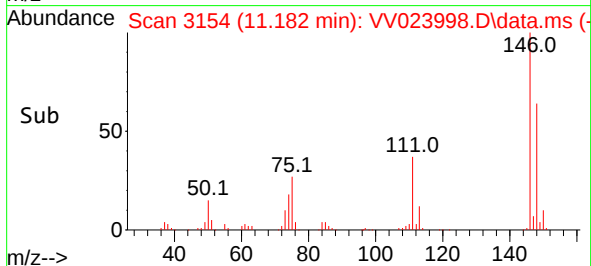
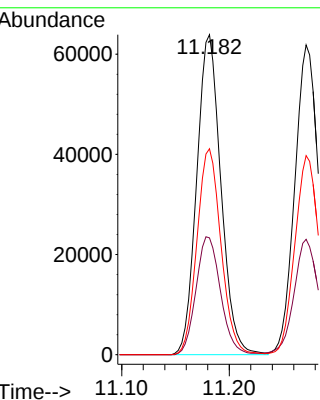
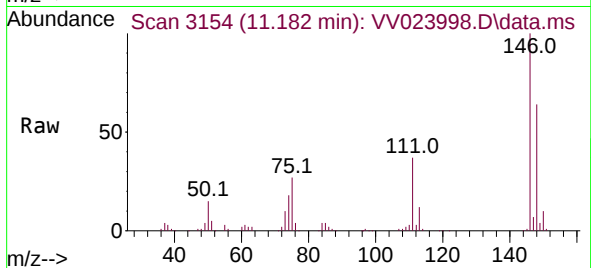
Tgt Ion:146 Resp: 99827

Ion Ratio Lower Upper

146 100

111 36.5 26.3 48.9

148 64.4 44.4 82.5



#65

1,4-Dichlorobenzene

Concen: 5.067 ug/L

RT: 11.272 min Scan# 3182

Delta R.T. 0.000 min

Lab File: VV023998.D

Acq: 15 Dec 2021 22:01

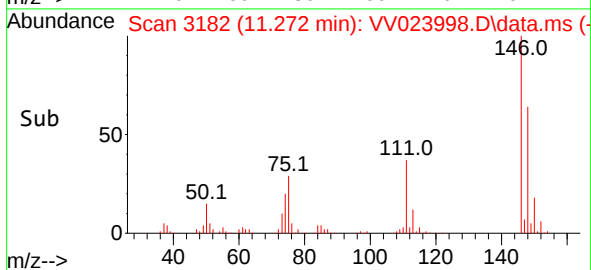
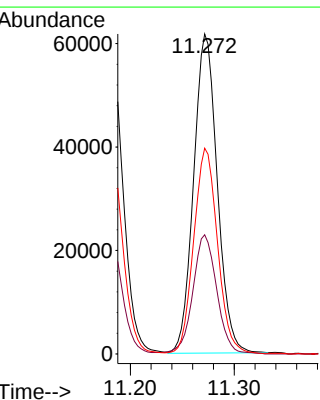
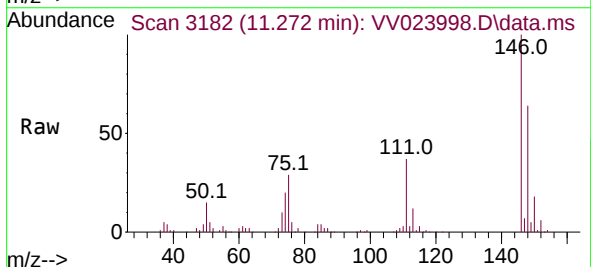
Tgt Ion:146 Resp: 97454

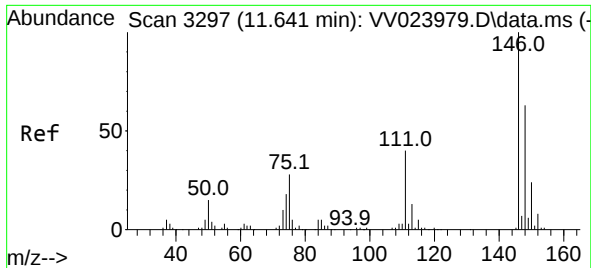
Ion Ratio Lower Upper

146 100

111 37.2 25.6 47.6

148 64.3 44.8 83.2

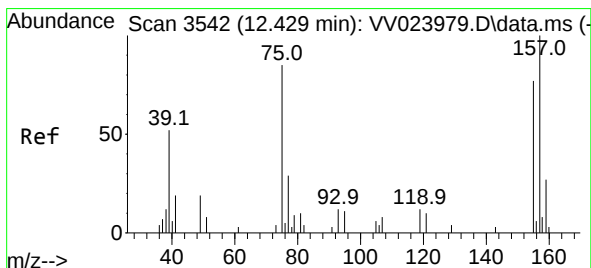
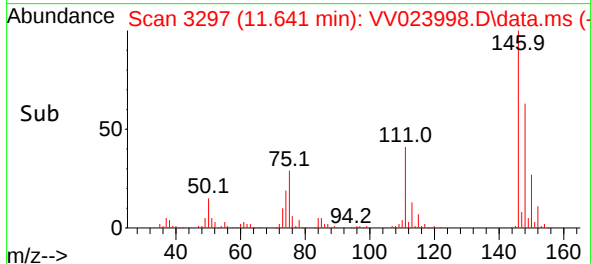
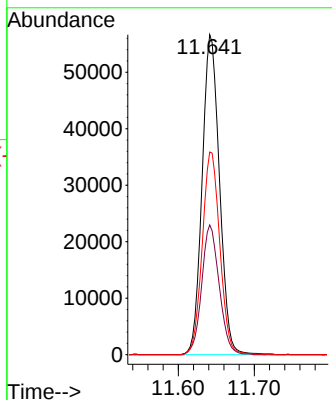
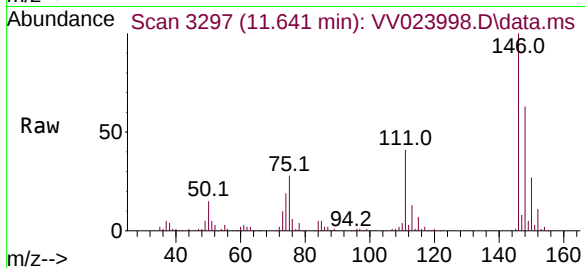




#67
 1,2-Dichlorobenzene
 Concen: 5.119 ug/L
 RT: 11.641 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV023998.D
 Acq: 15 Dec 2021 22:01

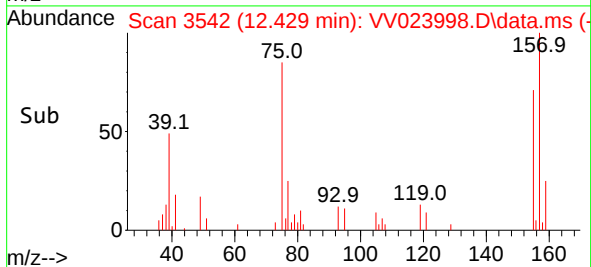
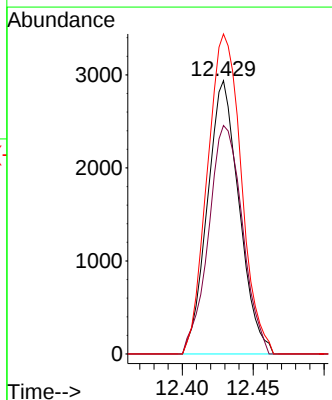
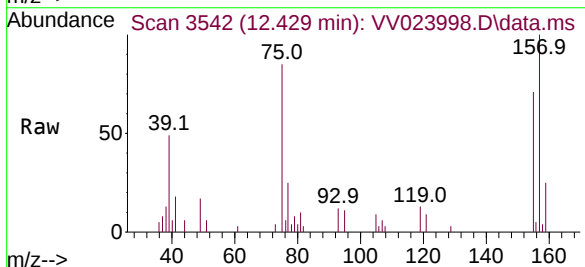
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005395

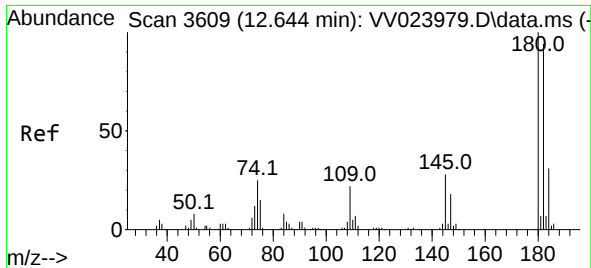
Tgt Ion:146 Resp: 89806
 Ion Ratio Lower Upper
 146 100
 111 40.5 31.9 47.9
 148 63.3 50.5 75.7



#68
 1,2-Dibromo-3-chloropropane
 Concen: 4.828 ug/L
 RT: 12.429 min Scan# 3542
 Delta R.T. 0.000 min
 Lab File: VV023998.D
 Acq: 15 Dec 2021 22:01

Tgt Ion: 75 Resp: 4581
 Ion Ratio Lower Upper
 75 100
 155 83.6 71.7 107.5
 157 117.1 103.3 154.9

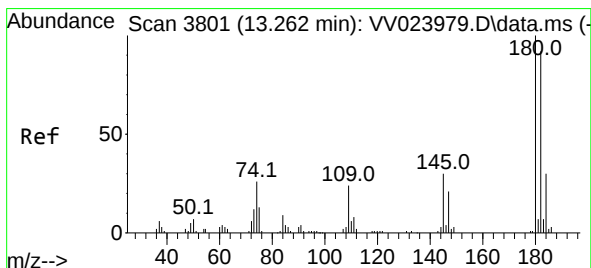
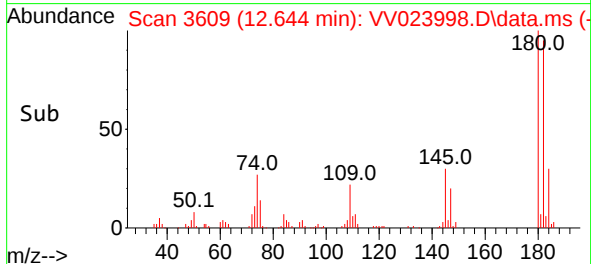
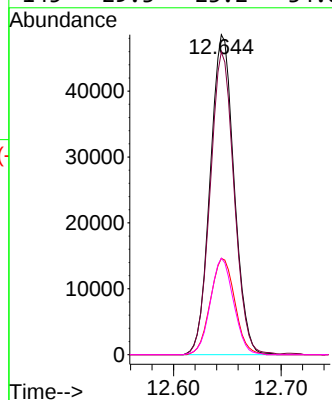
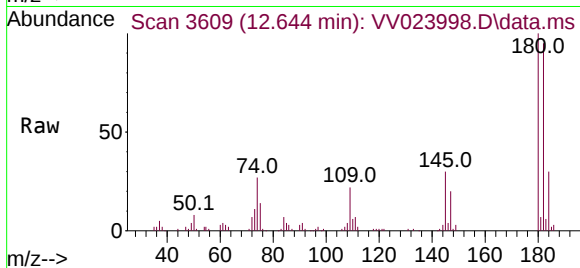




#69
1,3,5-Trichlorobenzene
Concen: 4.756 ug/L
RT: 12.644 min Scan# 3609
Delta R.T. 0.000 min
Lab File: VV023998.D
Acq: 15 Dec 2021 22:01

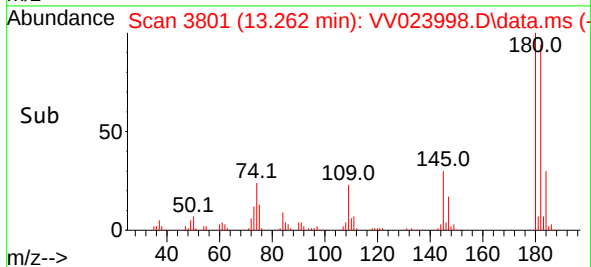
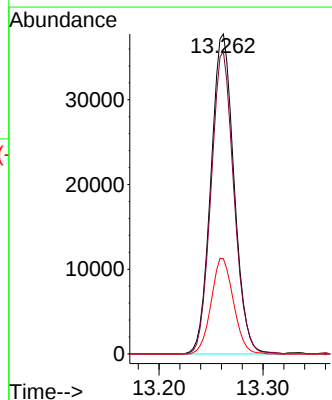
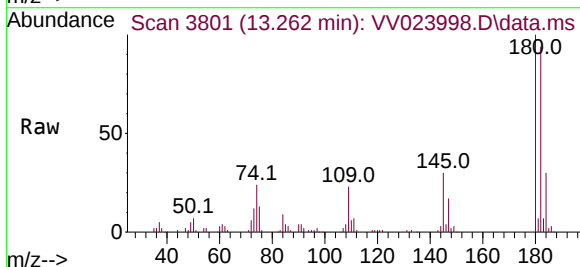
Instrument :
MSVOA_V
ClientSampleId :
VSTD005395

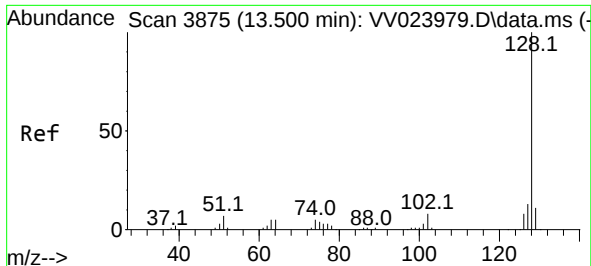
Tgt Ion:180	Resp:	74912
Ion Ratio	Lower	Upper
180	100	
182	94.7	76.4 114.6
184	30.8	24.2 36.4
145	29.3	23.2 34.8



#70
1,2,4-trichlorobenzene
Concen: 4.709 ug/L
RT: 13.262 min Scan# 3801
Delta R.T. 0.000 min
Lab File: VV023998.D
Acq: 15 Dec 2021 22:01

Tgt Ion:180	Resp:	58253
Ion Ratio	Lower	Upper
180	100	
182	93.3	74.4 111.6
145	28.8	23.3 34.9

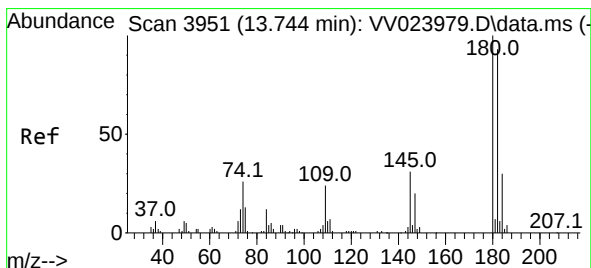
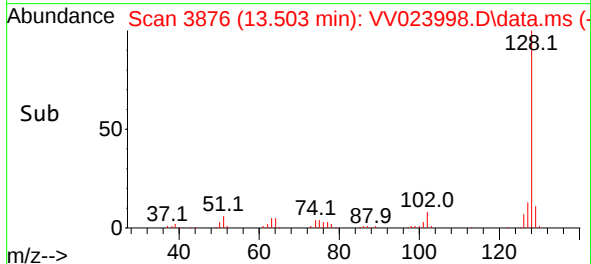
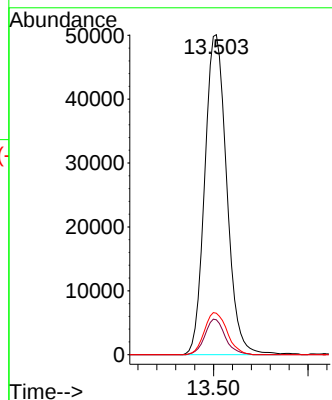
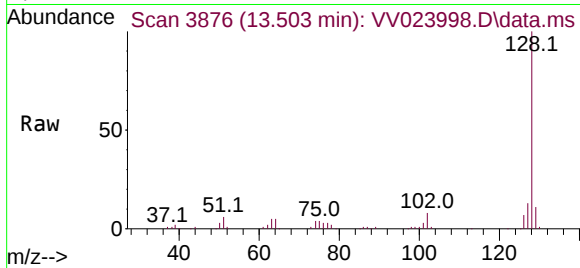




#71
Naphthalene
Concen: 4.538 ug/L
RT: 13.503 min Scan# 3875
Delta R.T. 0.003 min
Lab File: VV023998.D
Acq: 15 Dec 2021 22:01

Instrument :
MSVOA_V
ClientSampleId :
VSTD005395

Tgt Ion:128 Resp: 80694
Ion Ratio Lower Upper
128 100
129 10.3 9.0 13.4
127 13.6 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 4.757 ug/L
RT: 13.744 min Scan# 3951
Delta R.T. 0.000 min
Lab File: VV023998.D
Acq: 15 Dec 2021 22:01

Tgt Ion:180 Resp: 51950
Ion Ratio Lower Upper
180 100
182 94.5 76.8 115.2
145 31.0 25.8 38.6

