

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120123\
 Data File : VW033079.D
 Acq On : 01 Dec 2023 15:20
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 04 04:17:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 04 04:12:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	351507	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	343200	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	204572	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	106596	50.728	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 101.460%	
7) Chloroethane-d5	1.532	69	74040	50.570	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 101.140%	
11) 1,1-Dichloroethene-d2	2.060	65	39318	49.185	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 98.380%	
21) 2-Butanone-d5	3.780	46	109287	104.713	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 104.710%	
24) Chloroform-d	4.249	84	225607	50.592	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 101.180%	
26) 1,2-Dichloroethane-d4	4.941	65	141848	51.162	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 102.320%	
32) Benzene-d6	4.960	84	422798	52.674	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 105.340%	
36) 1,2-Dichloropropane-d6	5.989	67	114103	52.870	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 105.740%	
41) Toluene-d8	7.243	98	415650	54.284	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 108.560%	
43) trans-1,3-Dichloroprop...	7.551	79	70680	51.791	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 103.580%	
47) 2-Hexanone-d5	8.021	63	93338	107.654	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 107.650%	
56) 1,1,2,2-Tetrachloroeth...	10.153	84	160631	52.358	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 104.720%	
66) 1,2-Dichlorobenzene-d4	11.561	152	189989	52.197	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 104.400%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	187777	48.872	ug/L	100
3) Chloromethane	1.214	50	123798	48.853	ug/L	99
5) Vinyl chloride	1.285	62	118982	48.957	ug/L	98
6) Bromomethane	1.484	94	79384	50.057	ug/L	99
8) Chloroethane	1.548	64	63936	49.413	ug/L	99
9) Trichlorofluoromethane	1.716	101	199408	49.724	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	95407	50.662	ug/L	99
12) 1,1-Dichloroethene	2.069	96	88808	50.394	ug/L	93
13) Acetone	2.108	43	87295	87.614	ug/L	100
14) Carbon disulfide	2.243	76	309620	48.970	ug/L	100
15) Methyl Acetate	2.368	43	85008	51.190	ug/L	99
16) Methylene chloride	2.449	84	113851	48.789	ug/L	97
17) trans-1,2-Dichloroethene	2.693	96	116214	50.226	ug/L	100
18) Methyl tert-butyl Ether	2.703	73	353516	50.295	ug/L	100
19) 1,1-Dichloroethane	3.111	63	188557	49.237	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	124333	50.643	ug/L	98
22) 2-Butanone	3.860	43	119778	94.465	ug/L	93
23) Bromochloromethane	4.150	128	66121	46.904	ug/L	100
25) Chloroform	4.275	83	217305	49.339	ug/L	96

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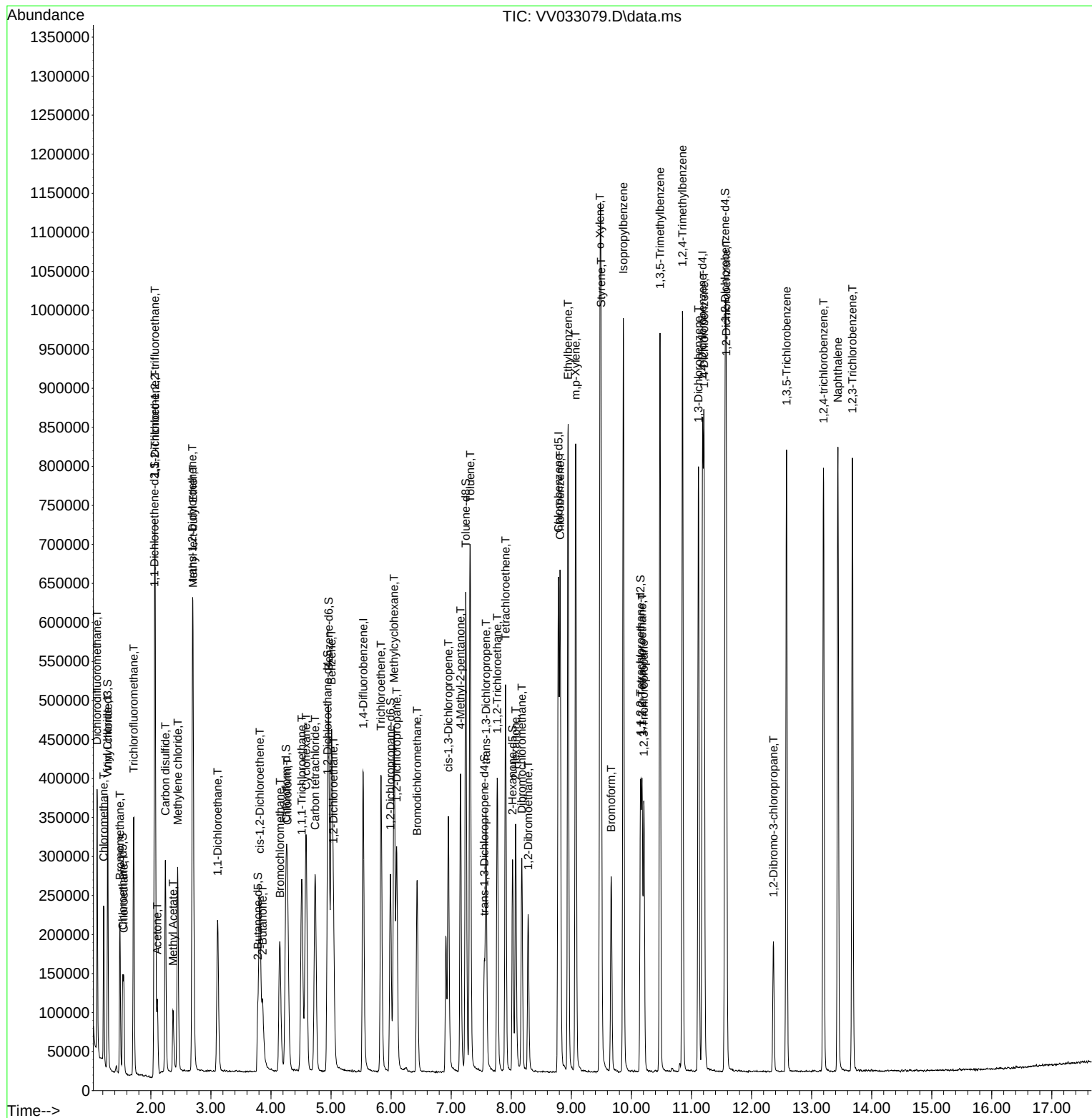
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	171200	49.190	ug/L	100
29) Cyclohexane	4.584	56	165914	52.340	ug/L	99
30) 1,1,1-Trichloroethane	4.513	97	210839	49.709	ug/L	99
31) Carbon tetrachloride	4.735	117	201327	51.049	ug/L	98
33) Benzene	5.008	78	445545	51.230	ug/L	100
34) Trichloroethene	5.831	95	130509	50.230	ug/L	96
35) Methylcyclohexane	6.050	83	193393	51.285	ug/L	98
37) 1,2-Dichloropropane	6.092	63	102486	50.918	ug/L	99
38) Bromodichloromethane	6.432	83	163995	50.540	ug/L	98
39) cis-1,3-Dichloropropene	6.953	75	186210	50.985	ug/L	97
40) 4-Methyl-2-pentanone	7.156	43	225578	105.555	ug/L	99
42) Toluene	7.317	91	506961	51.729	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	193808	52.478	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	116567	49.949	ug/L	99
46) Tetrachloroethene	7.905	164	113496	50.814	ug/L	97
48) 2-Hexanone	8.072	43	180957	102.130	ug/L	99
49) Dibromochloromethane	8.175	129	139947	50.233	ug/L	100
50) 1,2-Dibromoethane	8.281	107	126090	50.677	ug/L	99
51) Chlorobenzene	8.815	112	344703	50.017	ug/L	99
52) Ethylbenzene	8.947	91	580360	51.448	ug/L	99
53) m,p-Xylene	9.072	106	230987	51.707	ug/L	95
54) o-Xylene	9.477	106	223040	50.597	ug/L	100
55) Styrene	9.497	104	396303	51.969	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.178	83	159151	49.914	ug/L	100
59) Bromoform	9.664	173	113576	51.154	ug/L	99
60) Isopropylbenzene	9.866	105	622178	52.747	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	128527	50.385	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	500535	52.669	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	531662	53.718	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	319717	50.735	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	329253	50.298	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	310425	50.248	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	39750	50.785	ug/L	98
69) 1,3,5-Trichlorobenzene	12.583	180	250370	49.601	ug/L	100
70) 1,2,4-trichlorobenzene	13.197	180	239541	51.365	ug/L	99
71) Naphthalene	13.439	128	632563	55.619	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	237602	52.801	ug/L	98

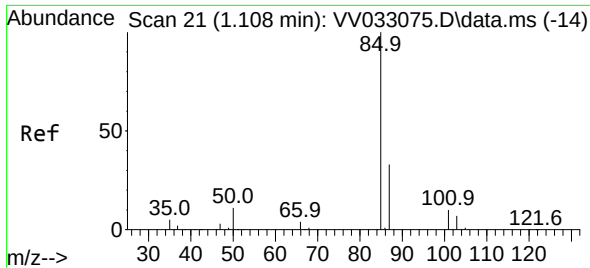
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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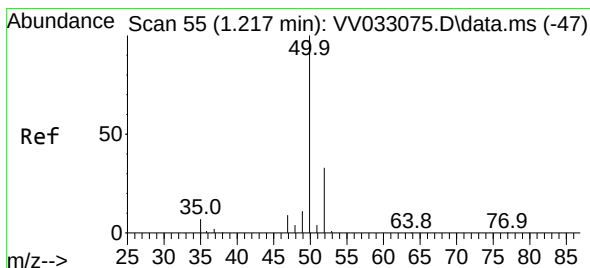
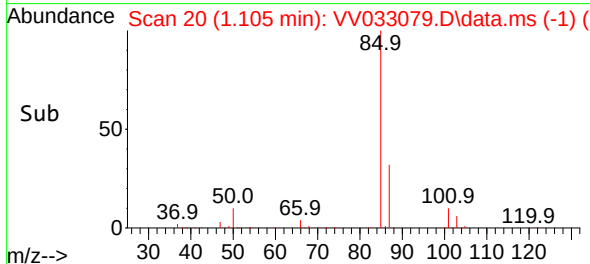
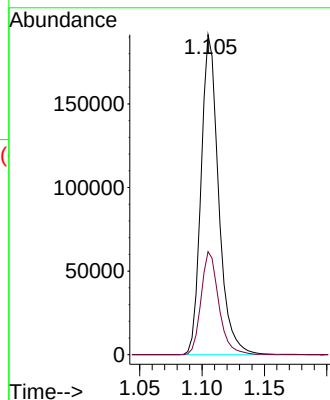
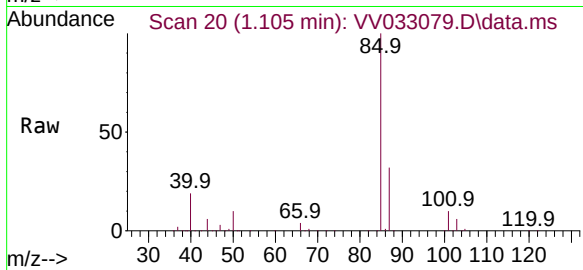




#2
 Dichlorodifluoromethane
 Concen: 48.872 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.003 min
 Lab File: VV033079.D
 Acq: 01 Dec 2023 15:20

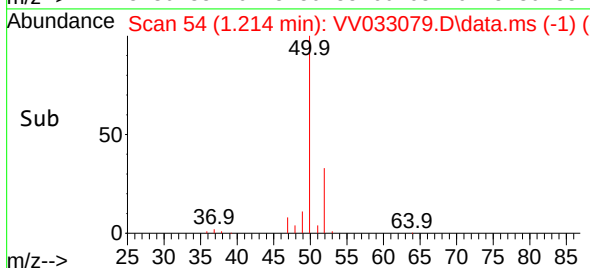
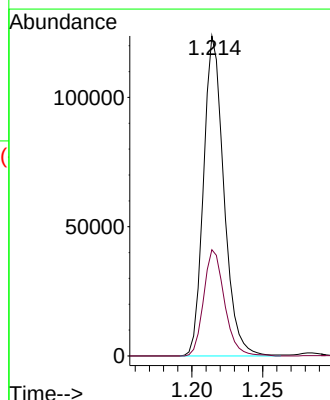
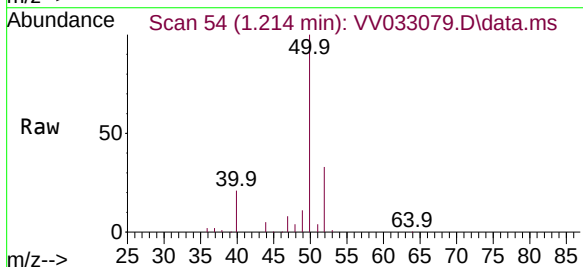
Instrument :
 MSVOA_V
 ClientSampleId :

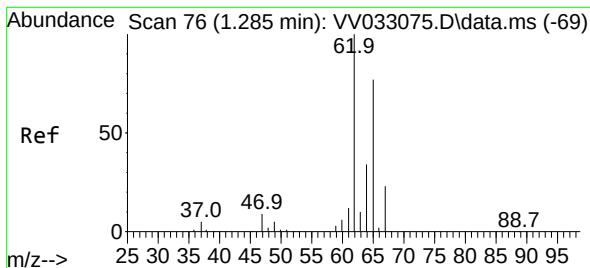
Tgt Ion: 85 Resp: 187777
 Ion Ratio Lower Upper
 85 100
 87 32.5 26.0 39.0



#3
 Chloromethane
 Concen: 48.853 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.003 min
 Lab File: VV033079.D
 Acq: 01 Dec 2023 15:20

Tgt Ion: 50 Resp: 123798
 Ion Ratio Lower Upper
 50 100
 52 33.2 22.8 42.4





#5

Vinyl chloride

Concen: 48.957 ug/L

RT: 1.285 min Scan# 70

Delta R.T. 0.000 min

Lab File: VV033079.D

Acq: 01 Dec 2023 15:20

Instrument :

MSVOA_V

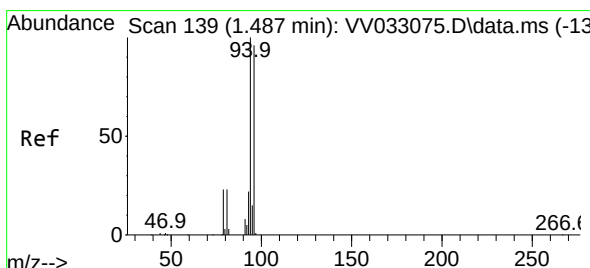
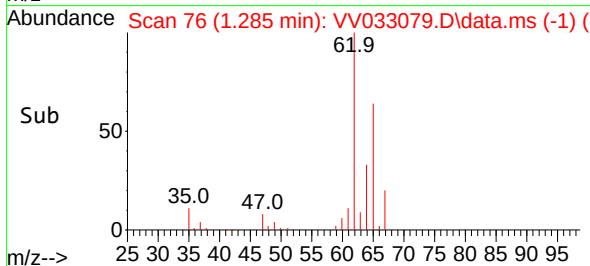
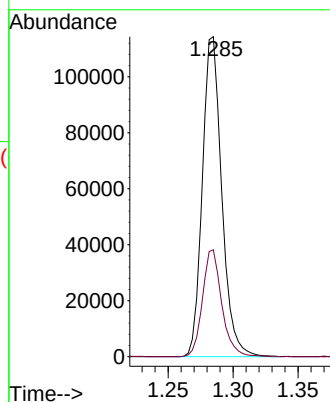
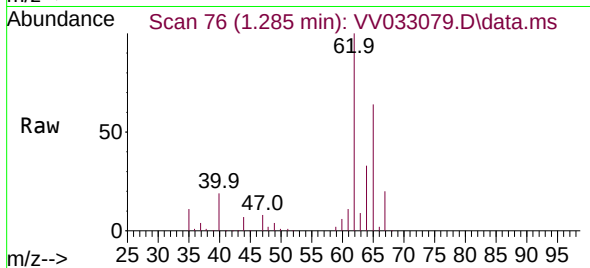
ClientSampleId :

Tgt Ion: 62 Resp: 118982

Ion Ratio Lower Upper

62 100

64 33.4 24.2 45.0



#6

Bromomethane

Concen: 50.057 ug/L

RT: 1.484 min Scan# 138

Delta R.T. -0.003 min

Lab File: VV033079.D

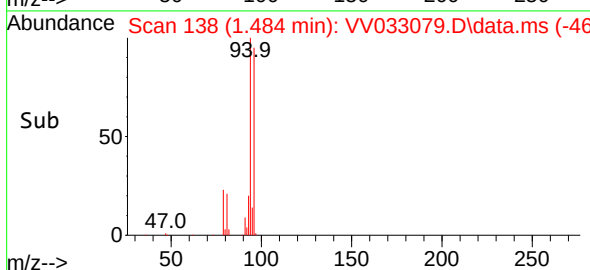
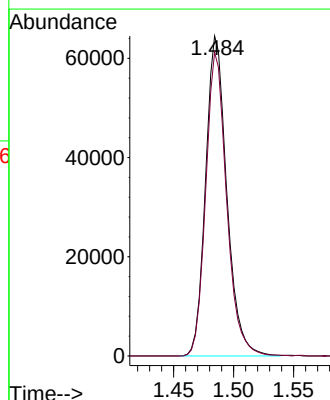
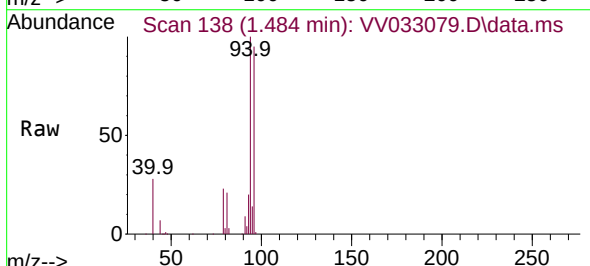
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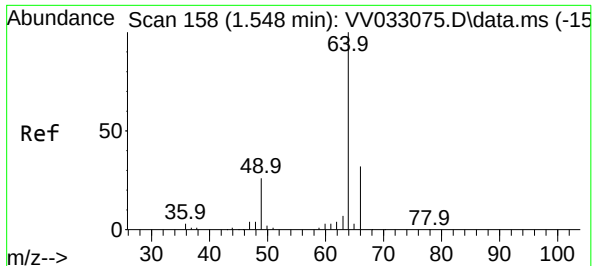
Tgt Ion: 94 Resp: 79384

Ion Ratio Lower Upper

94 100

96 94.9 67.1 124.7





#8

Chloroethane

Concen: 49.413 ug/L

RT: 1.548 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV033079.D

Acq: 01 Dec 2023 15:20

Instrument :

MSVOA_V

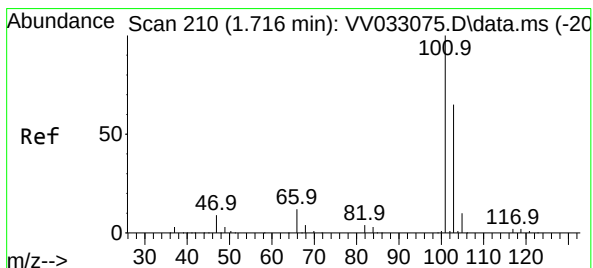
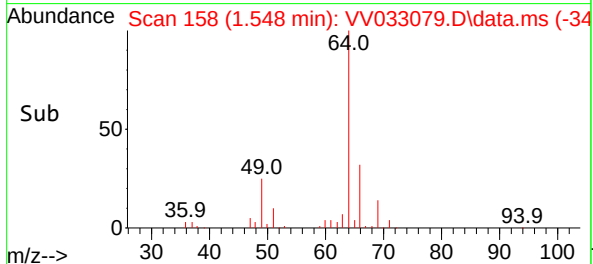
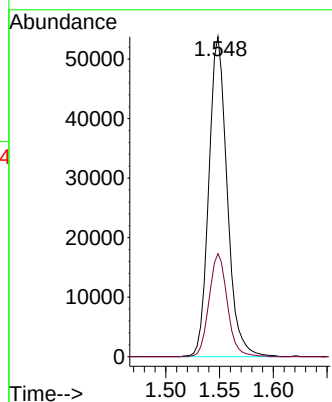
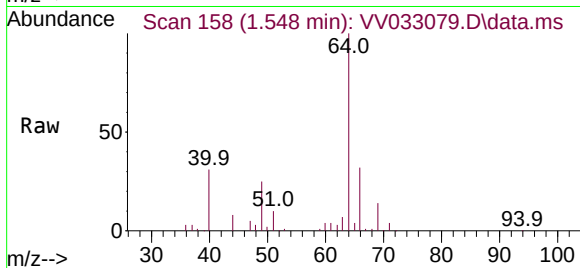
ClientSampleId :

Tgt Ion: 64 Resp: 63936

Ion Ratio Lower Upper

64 100

66 32.2 22.3 41.5



#9

Trichlorofluoromethane

Concen: 49.724 ug/L

RT: 1.716 min Scan# 210

Delta R.T. 0.000 min

Lab File: VV033079.D

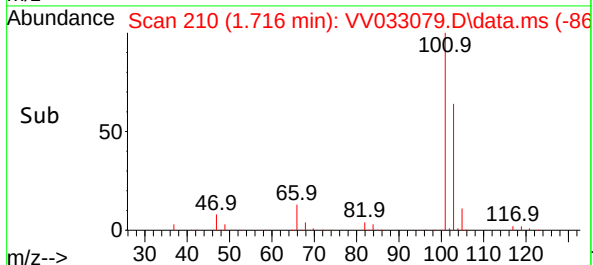
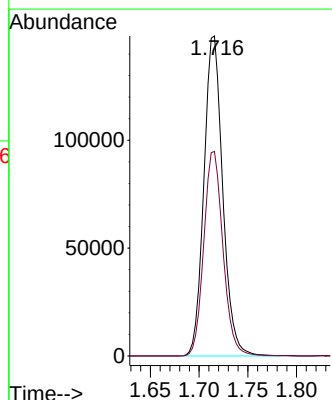
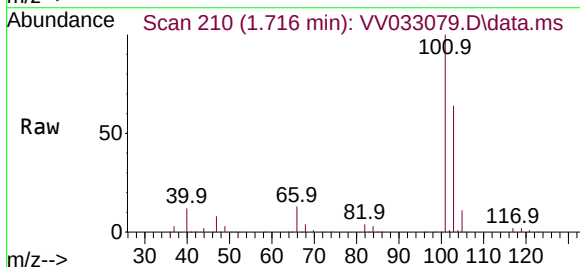
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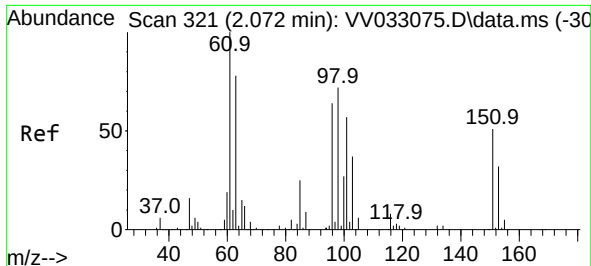
Tgt Ion:101 Resp: 199408

Ion Ratio Lower Upper

101 100

103 65.1 51.3 76.9

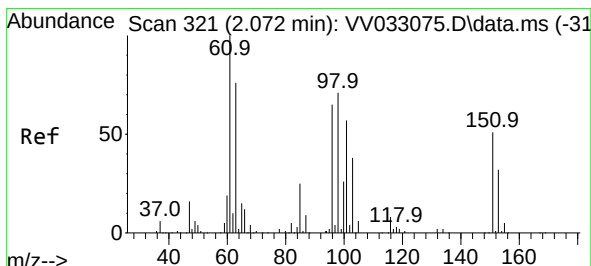
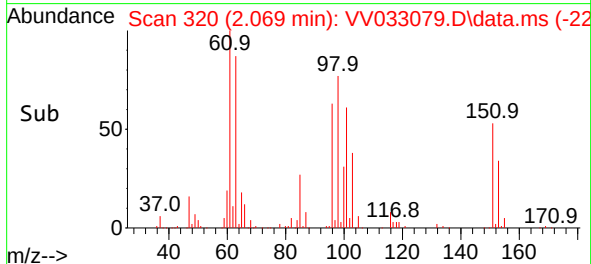
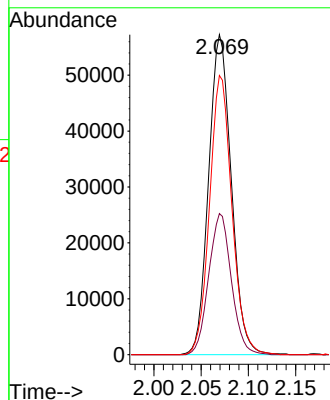
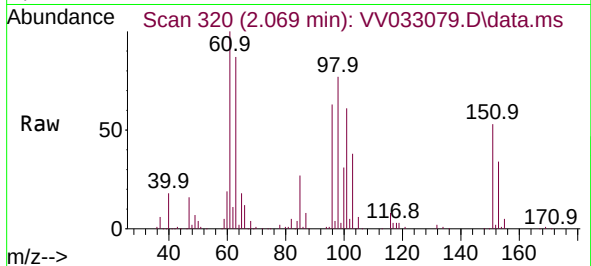




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 50.662 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VV033079.D
 Acq: 01 Dec 2023 15:20

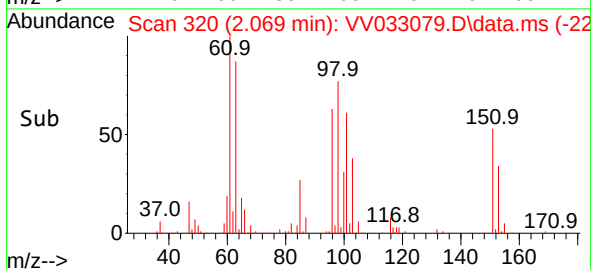
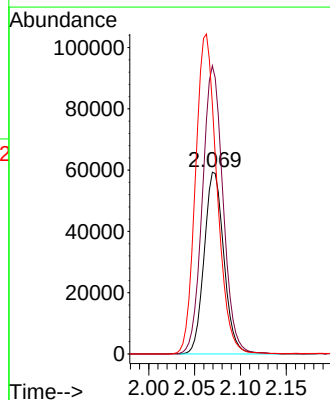
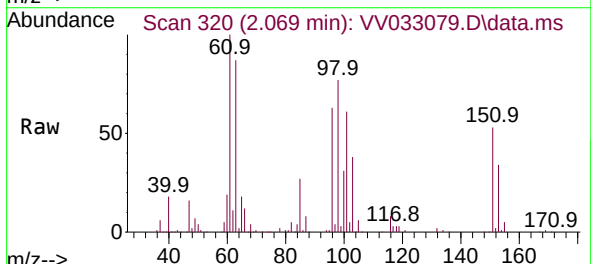
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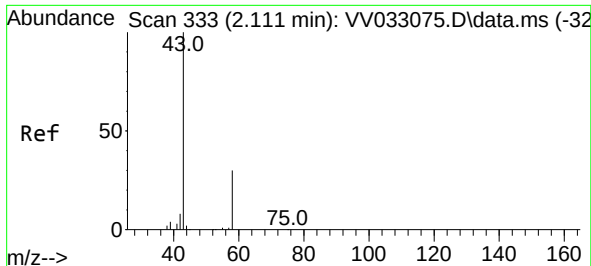
Tgt Ion:101 Resp: 95407
 Ion Ratio Lower Upper
 101 100
 85 44.1 36.0 54.0
 151 86.2 69.1 103.7



#12
 1,1-Dichloroethene
 Concen: 50.394 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.003 min
 Lab File: VV033079.D
 Acq: 01 Dec 2023 15:20

Tgt Ion: 96 Resp: 88808
 Ion Ratio Lower Upper
 96 100
 61 158.5 109.1 202.7
 63 137.6 85.3 158.3





#13

Acetone

Concen: 87.614 ug/L

RT: 2.108 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV033079.D

Acq: 01 Dec 2023 15:20

Instrument :

MSVOA_V

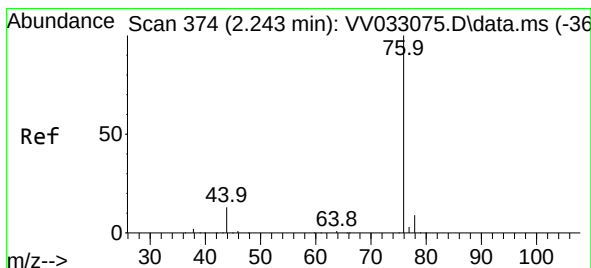
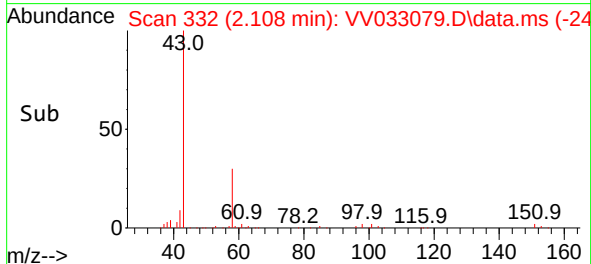
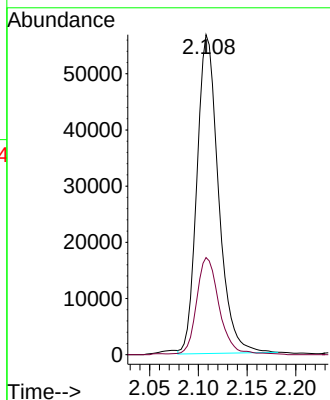
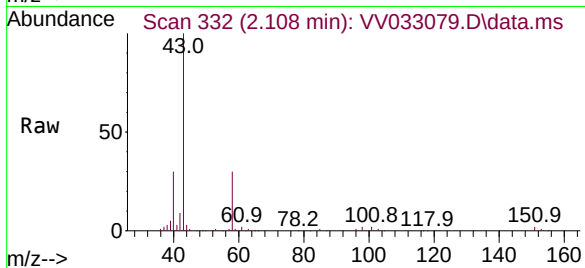
ClientSampleId :

Tgt Ion: 43 Resp: 87295

Ion Ratio Lower Upper

43 100

58 31.2 0.0 62.8



#14

Carbon disulfide

Concen: 48.970 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV033079.D

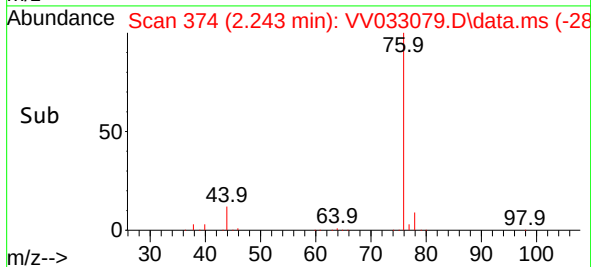
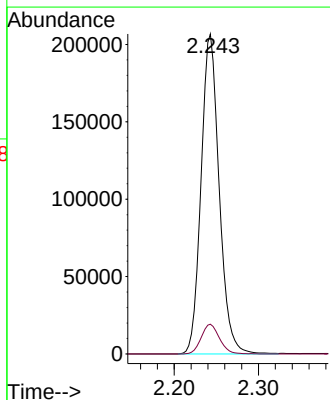
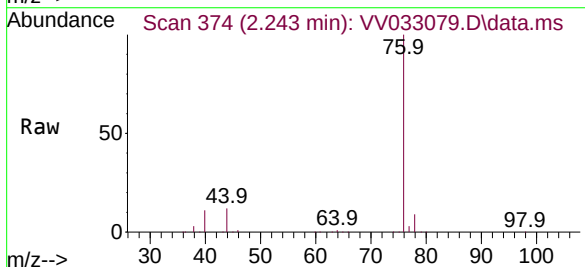
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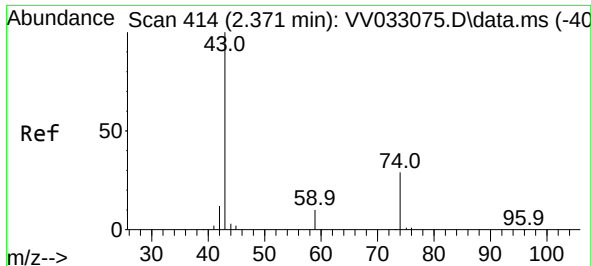
Tgt Ion: 76 Resp: 309620

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

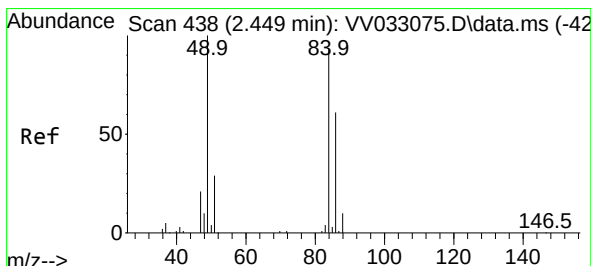
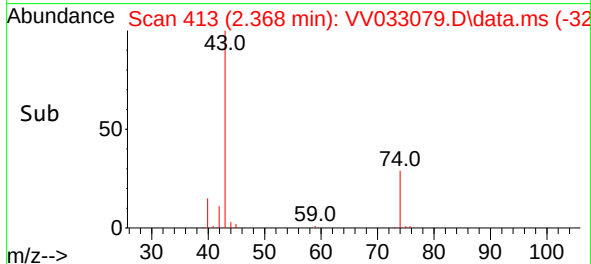
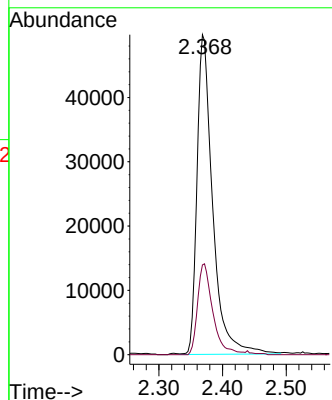
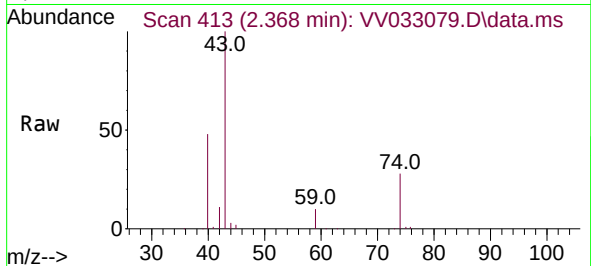




#15
Methyl Acetate
Concen: 51.190 ug/L
RT: 2.368 min Scan# 414
Delta R.T. -0.003 min
Lab File: VV033079.D
Acq: 01 Dec 2023 15:20

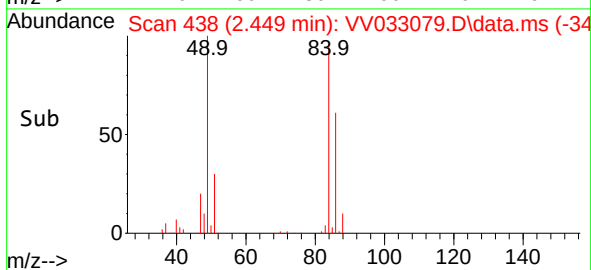
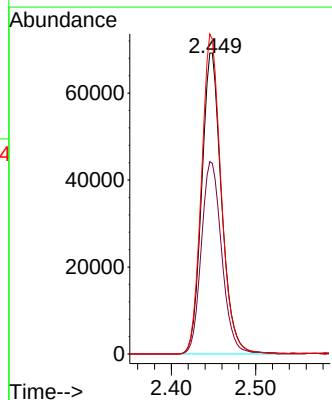
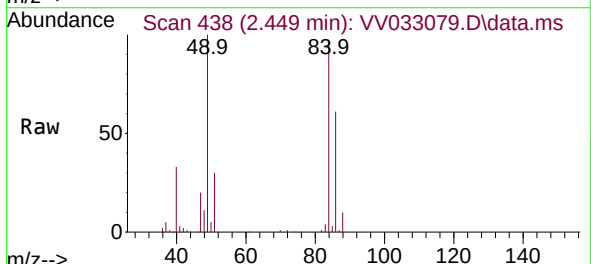
Instrument :
MSVOA_V
ClientSampleId :

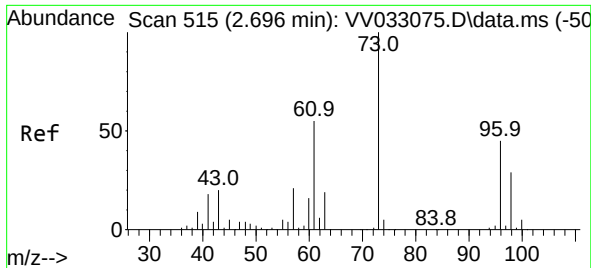
Tgt Ion: 43 Resp: 85008
Ion Ratio Lower Upper
43 100
74 27.6 22.6 33.8



#16
Methylene chloride
Concen: 48.789 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.000 min
Lab File: VV033079.D
Acq: 01 Dec 2023 15:20

Tgt Ion: 84 Resp: 113851
Ion Ratio Lower Upper
84 100
86 63.3 45.9 85.3
49 104.6 75.5 140.1

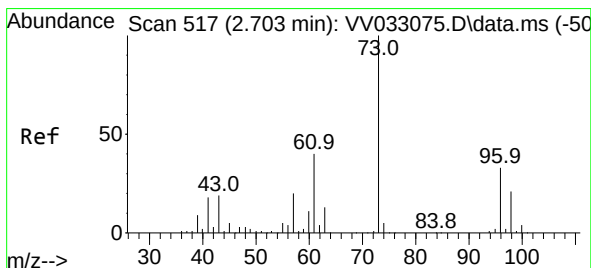
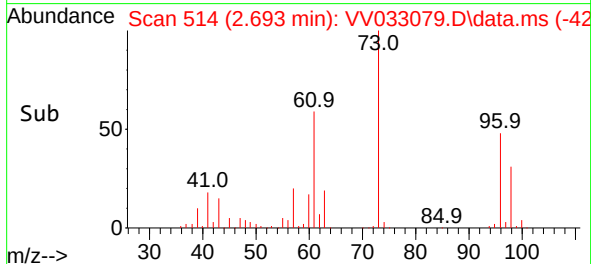
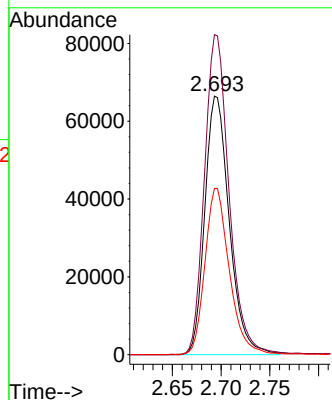
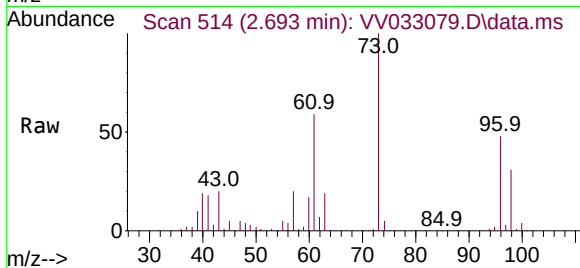




#17
trans-1,2-Dichloroethene
Concen: 50.226 ug/L
RT: 2.693 min Scan# 515
Delta R.T. -0.003 min
Lab File: VV033079.D
Acq: 01 Dec 2023 15:20

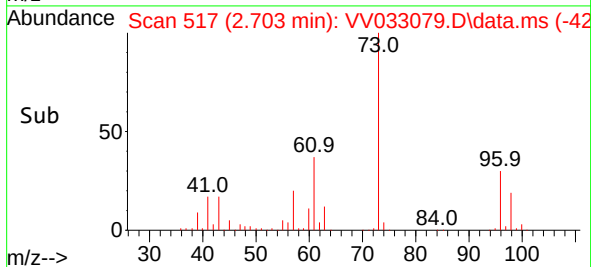
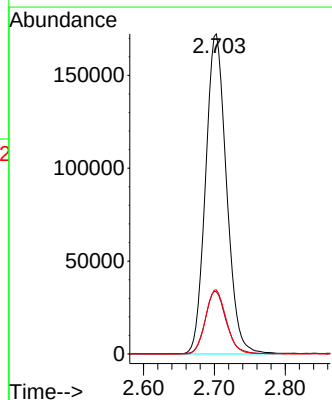
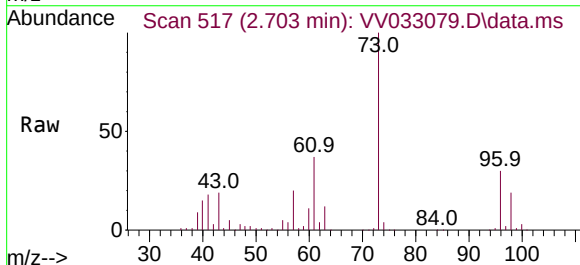
Instrument :
MSVOA_V
ClientSampleId :

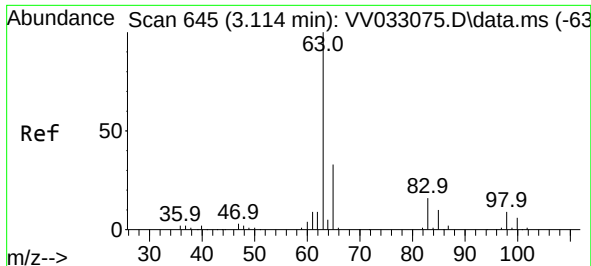
Tgt Ion: 96 Resp: 116214
Ion Ratio Lower Upper
96 100
61 123.8 86.5 160.6
98 64.3 45.1 83.7



#18
Methyl tert-butyl Ether
Concen: 50.295 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.000 min
Lab File: VV033079.D
Acq: 01 Dec 2023 15:20

Tgt Ion: 73 Resp: 353516
Ion Ratio Lower Upper
73 100
43 19.4 15.4 23.2
57 19.8 16.1 24.1





#19

1,1-Dichloroethane

Concen: 49.237 ug/L

RT: 3.111 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV033079.D

Acq: 01 Dec 2023 15:20

Instrument :

MSVOA_V

ClientSampleId :

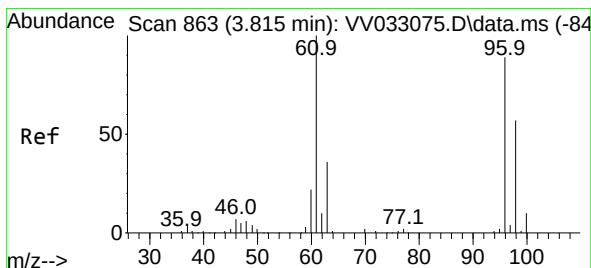
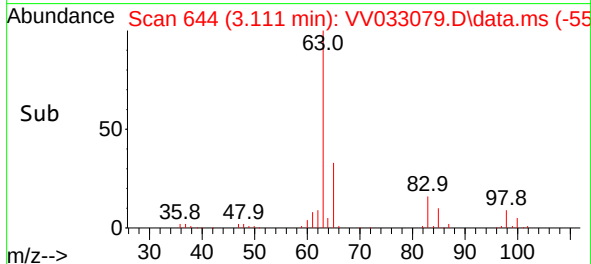
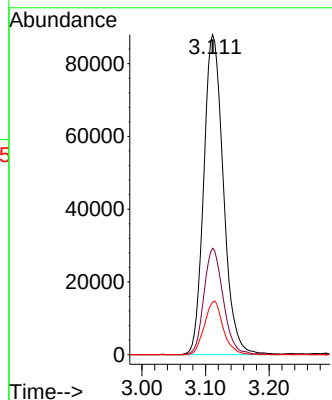
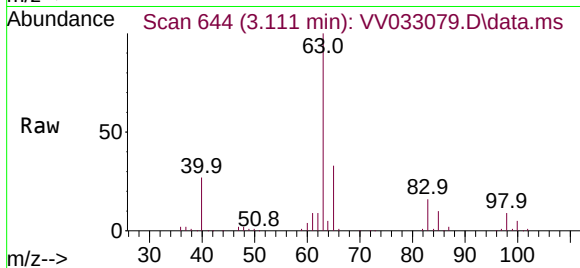
Tgt Ion: 63 Resp: 188557

Ion Ratio Lower Upper

63 100

65 33.3 23.0 42.6

83 16.5 11.4 21.2



#20

cis-1,2-Dichloroethene

Concen: 50.643 ug/L

RT: 3.815 min Scan# 863

Delta R.T. 0.000 min

Lab File: VV033079.D

Acq: 01 Dec 2023 15:20

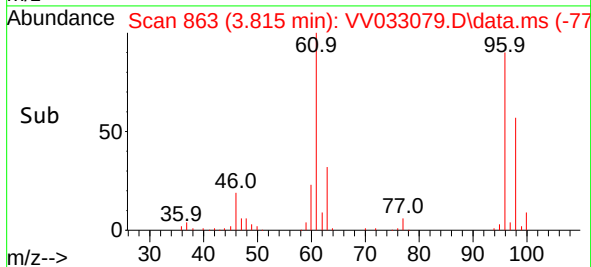
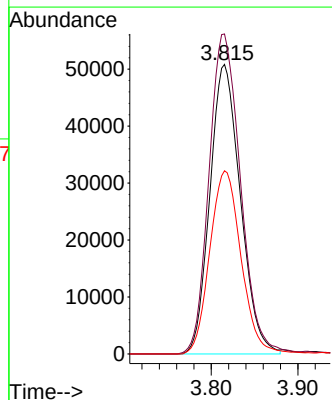
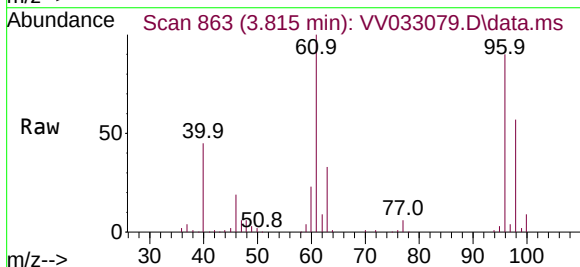
Tgt Ion: 96 Resp: 124333

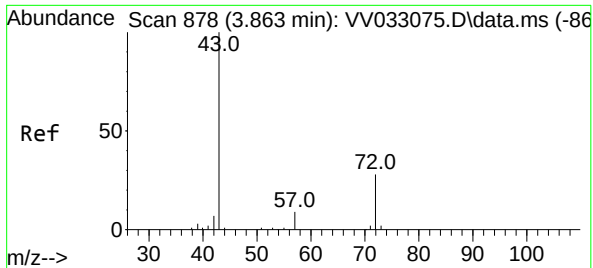
Ion Ratio Lower Upper

96 100

61 110.5 79.1 146.9

98 63.3 45.1 83.7

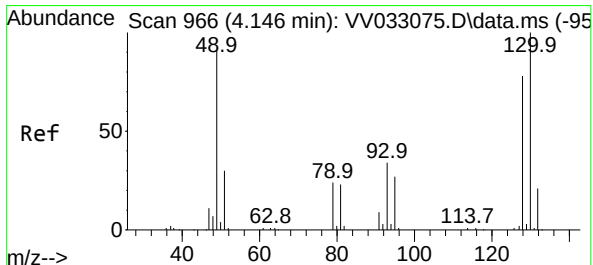
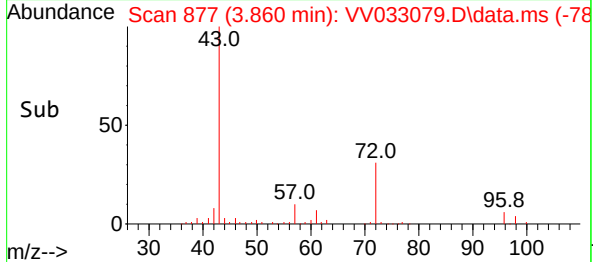
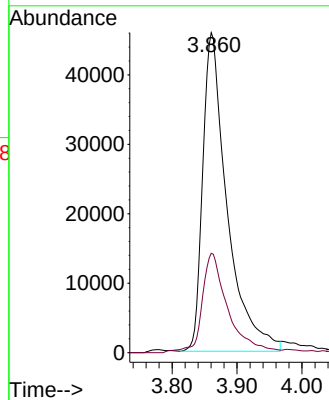
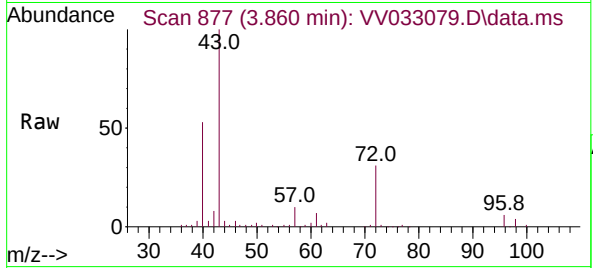




#22
2-Butanone
Concen: 94.465 ug/L
RT: 3.860 min Scan# 81
Delta R.T. -0.003 min
Lab File: VV033079.D
Acq: 01 Dec 2023 15:20

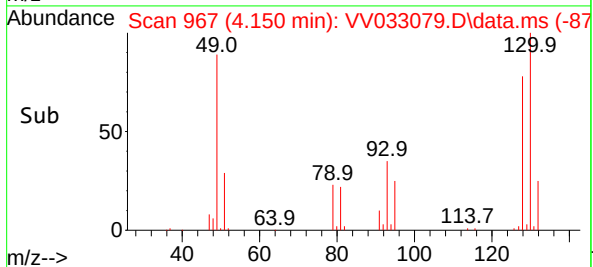
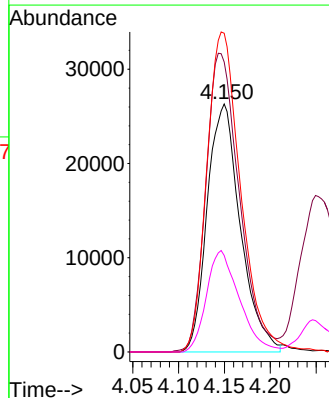
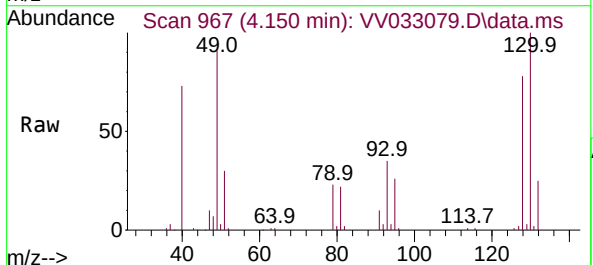
Instrument :
MSVOA_V
ClientSampleId :

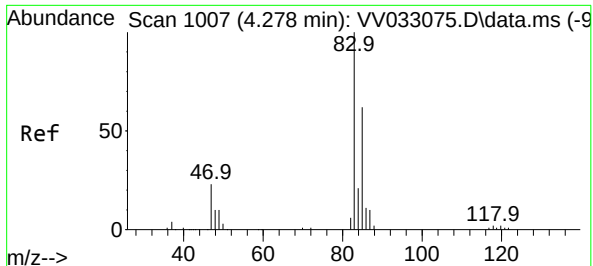
Tgt Ion: 43 Resp: 119778
Ion Ratio Lower Upper
43 100
72 32.9 14.6 43.8



#23
Bromochloromethane
Concen: 46.904 ug/L
RT: 4.150 min Scan# 967
Delta R.T. 0.003 min
Lab File: VV033079.D
Acq: 01 Dec 2023 15:20

Tgt Ion:128 Resp: 66121
Ion Ratio Lower Upper
128 100
49 116.9 81.7 151.7
130 128.5 90.1 167.3
51 38.9 30.5 45.7





#25

Chloroform

Concen: 49.339 ug/L

RT: 4.275 min Scan# 1007

Delta R.T. -0.003 min

Lab File: VV033079.D

Acq: 01 Dec 2023 15:20

Instrument :

MSVOA_V

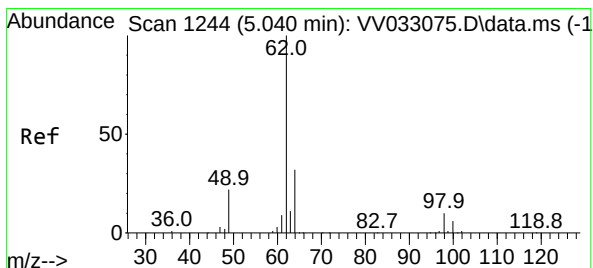
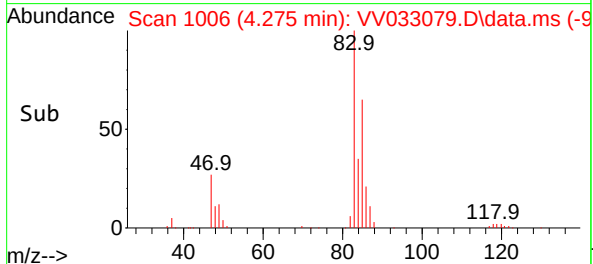
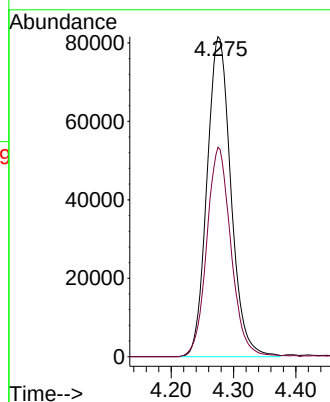
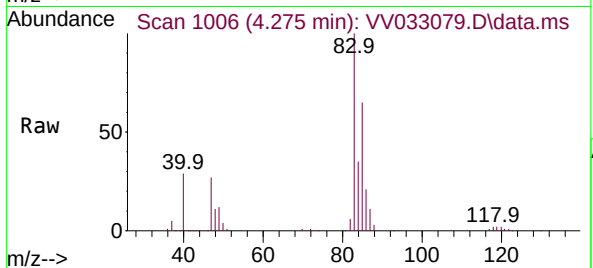
ClientSampleId :

Tgt Ion: 83 Resp: 217305

Ion Ratio Lower Upper

83 100

85 65.4 43.5 80.7



#27

1,2-Dichloroethane

Concen: 49.190 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. 0.000 min

Lab File: VV033079.D

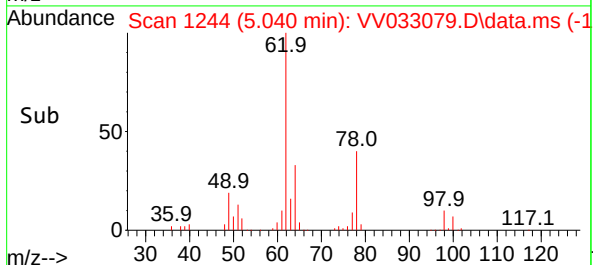
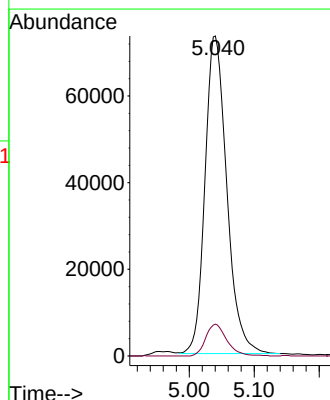
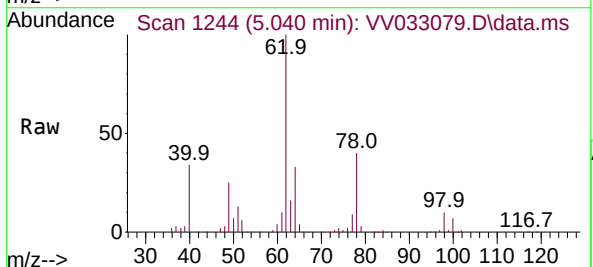
Acq: 01 Dec 2023 15:20

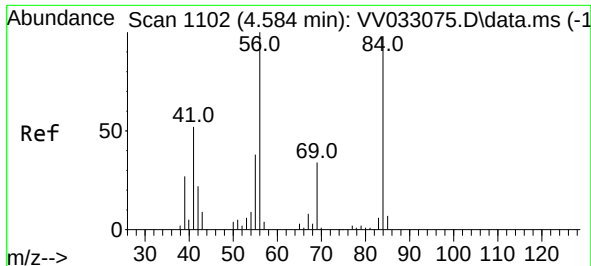
Tgt Ion: 62 Resp: 171200

Ion Ratio Lower Upper

62 100

98 9.9 7.8 11.8





#29

Cyclohexane

Concen: 52.340 ug/L

RT: 4.584 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VV033079.D

Acq: 01 Dec 2023 15:20

Instrument :

MSVOA_V

ClientSampleId :

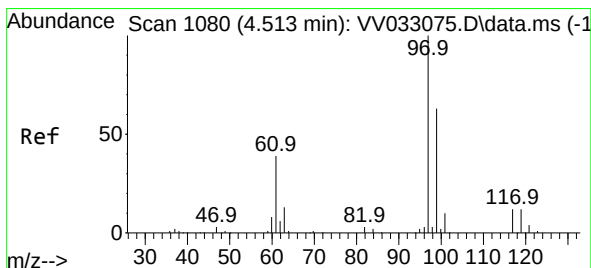
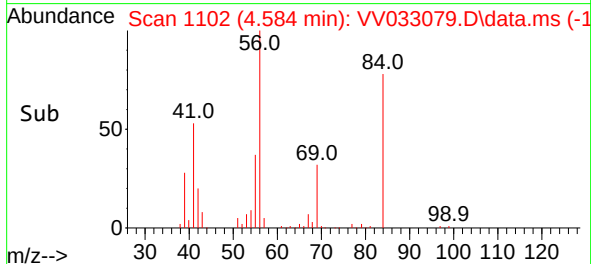
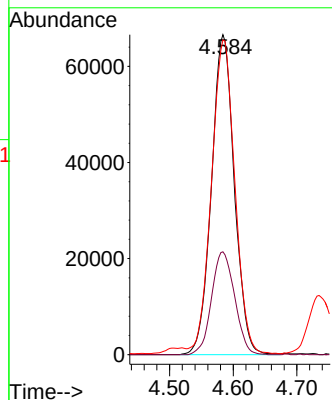
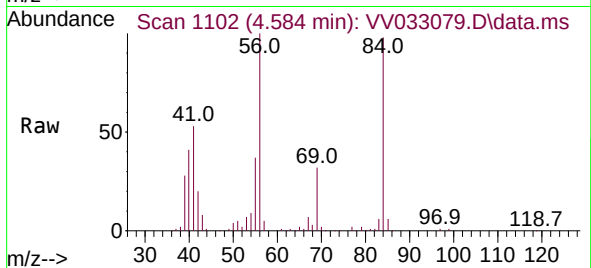
Tgt Ion: 56 Resp: 165914

Ion Ratio Lower Upper

56 100

69 32.5 26.9 40.3

84 100.3 80.6 121.0



#30

1,1,1-Trichloroethane

Concen: 49.709 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. 0.000 min

Lab File: VV033079.D

Acq: 01 Dec 2023 15:20

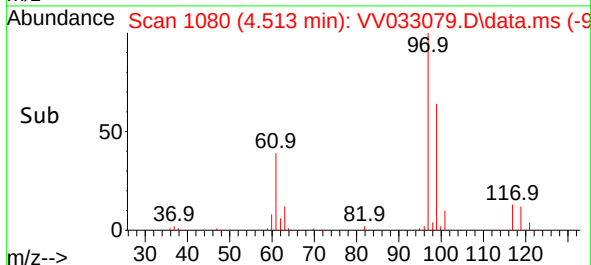
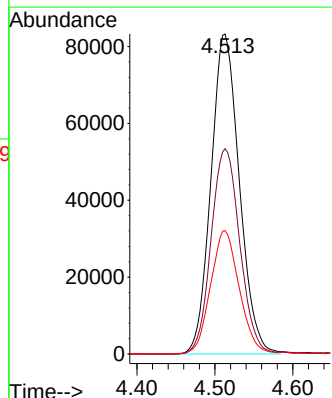
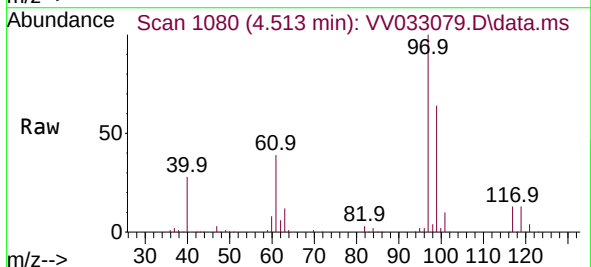
Tgt Ion: 97 Resp: 210839

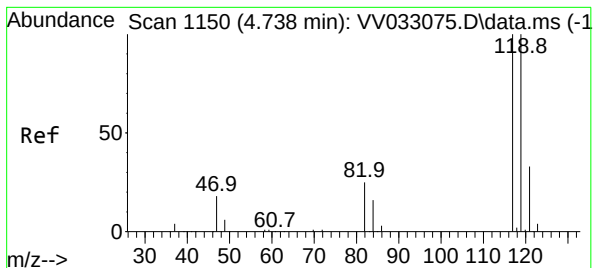
Ion Ratio Lower Upper

97 100

99 64.8 51.3 76.9

61 38.9 31.8 47.8





#31

Carbon tetrachloride

Concen: 51.049 ug/L

RT: 4.735 min Scan# 1149

Delta R.T. -0.003 min

Lab File: VV033079.D

Acq: 01 Dec 2023 15:20

Instrument :

MSVOA_V

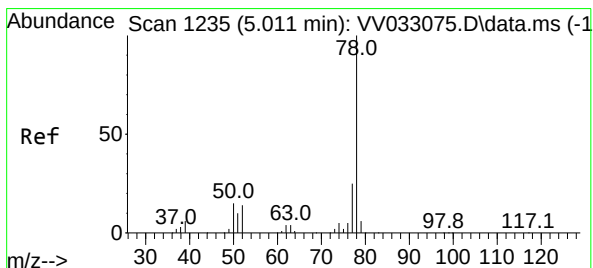
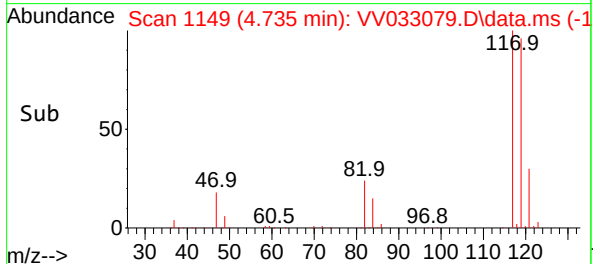
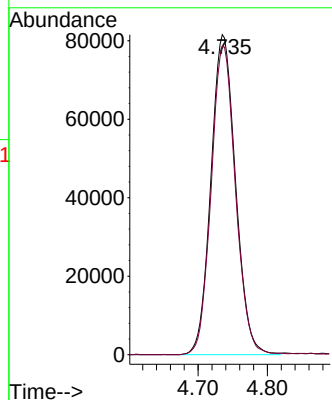
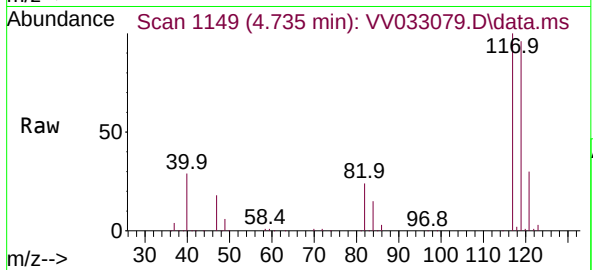
ClientSampleId :

Tgt Ion:117 Resp: 201327

Ion Ratio Lower Upper

117 100

119 95.2 77.5 116.3



#33

Benzene

Concen: 51.230 ug/L

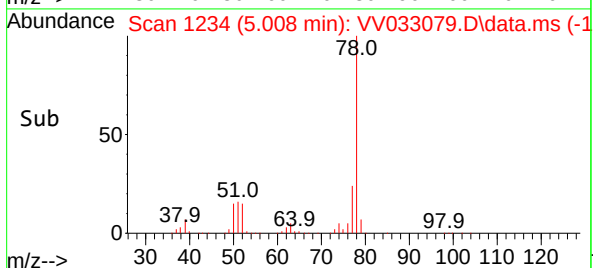
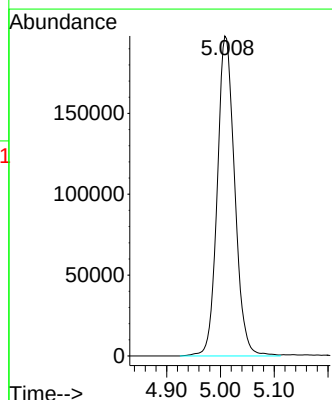
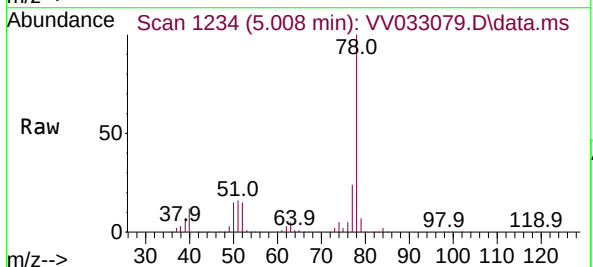
RT: 5.008 min Scan# 1234

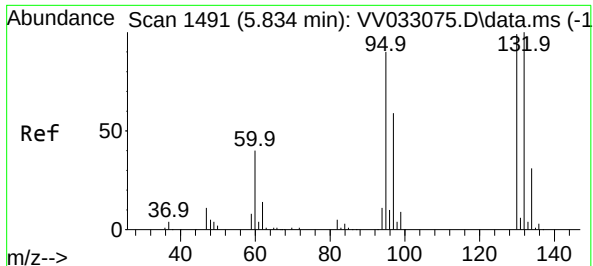
Delta R.T. -0.003 min

Lab File: VV033079.D

Acq: 01 Dec 2023 15:20

Tgt Ion: 78 Resp: 445545





#34

Trichloroethene

Concen: 50.230 ug/L

RT: 5.831 min Scan# 1490

Delta R.T. -0.003 min

Lab File: VV033079.D

Acq: 01 Dec 2023 15:20

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 130509

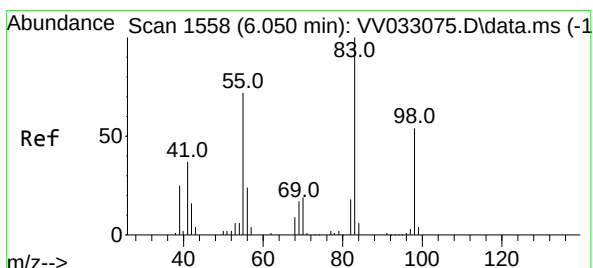
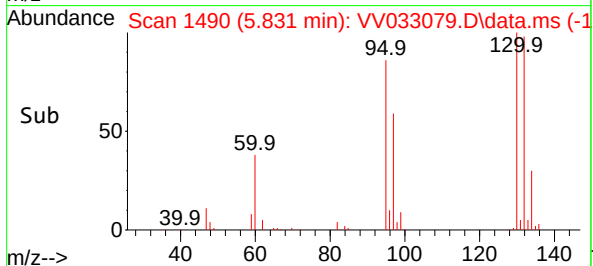
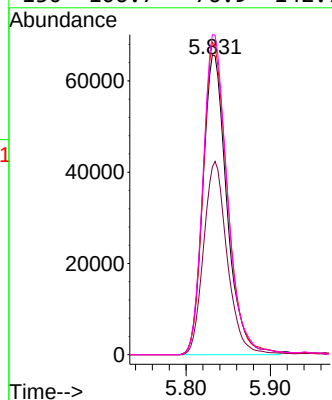
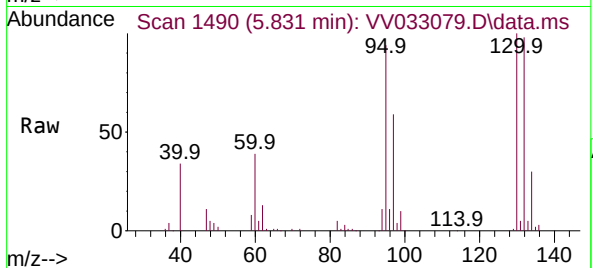
Ion Ratio Lower Upper

95 100

97 62.6 45.8 85.0

132 104.2 77.4 143.8

130 106.7 76.9 142.7



#35

Methylcyclohexane

Concen: 51.285 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. 0.000 min

Lab File: VV033079.D

Acq: 01 Dec 2023 15:20

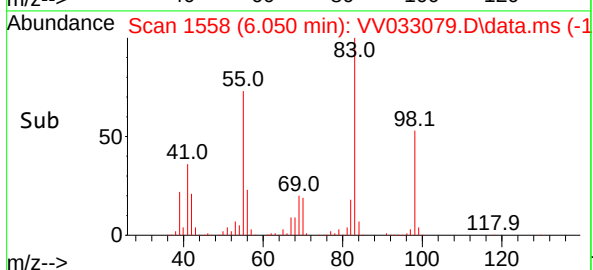
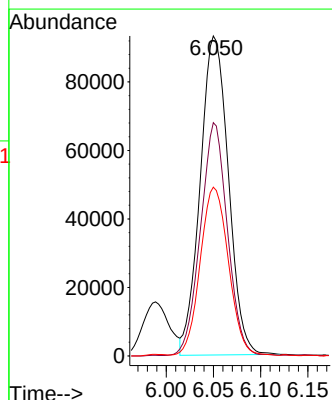
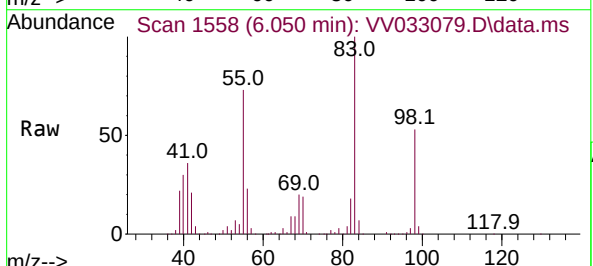
Tgt Ion: 83 Resp: 193393

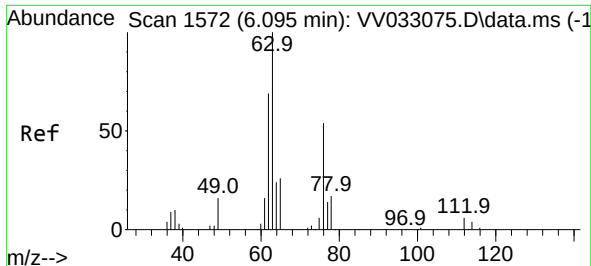
Ion Ratio Lower Upper

83 100

55 69.6 54.8 82.2

98 53.3 41.4 62.0





#37

1,2-Dichloropropane

Concen: 50.918 ug/L

RT: 6.092 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV033079.D

Acq: 01 Dec 2023 15:20

Instrument :

MSVOA_V

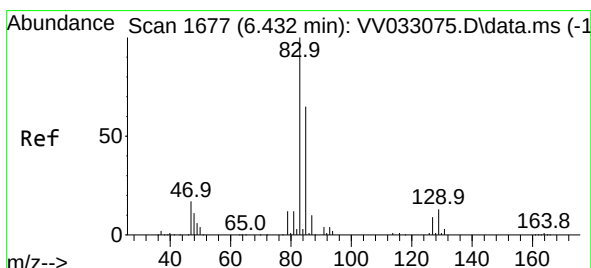
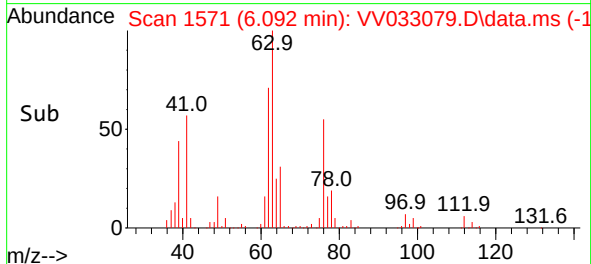
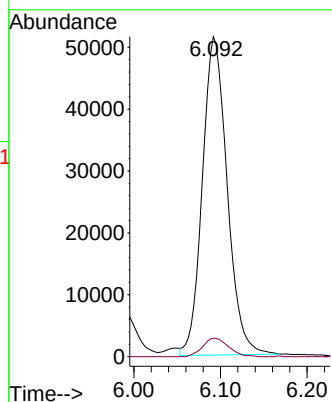
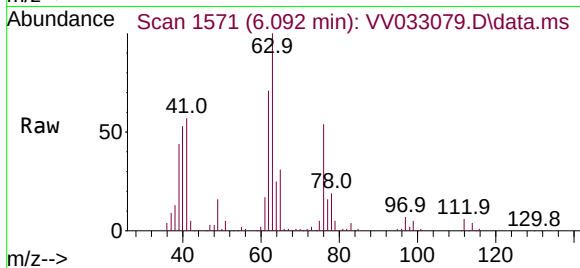
ClientSampleId :

Tgt Ion: 63 Resp: 102486

Ion Ratio Lower Upper

63 100

112 6.0 4.6 6.8



#38

Bromodichloromethane

Concen: 50.540 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. 0.000 min

Lab File: VV033079.D

Acq: 01 Dec 2023 15:20

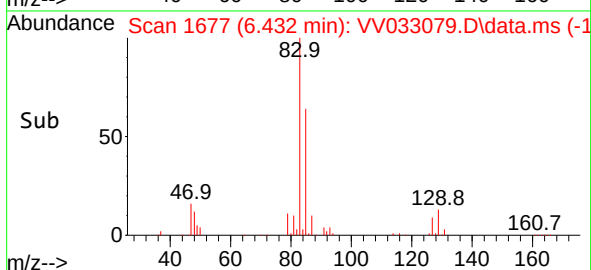
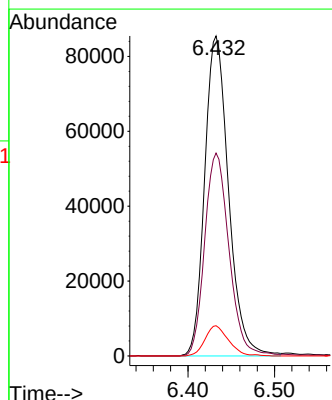
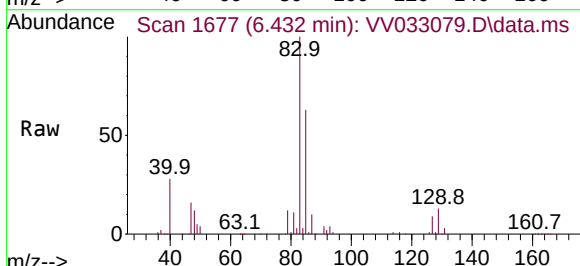
Tgt Ion: 83 Resp: 163995

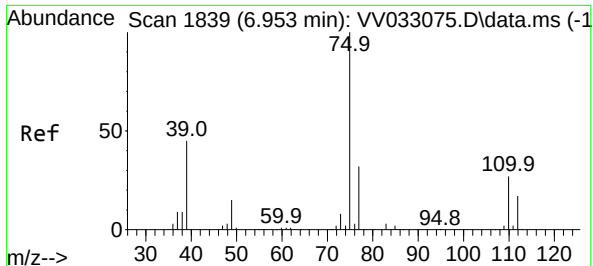
Ion Ratio Lower Upper

83 100

85 63.4 45.6 84.6

127 9.4 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 50.985 ug/L

RT: 6.953 min Scan# 1839

Delta R.T. 0.000 min

Lab File: VV033079.D

Acq: 01 Dec 2023 15:20

Instrument :

MSVOA_V

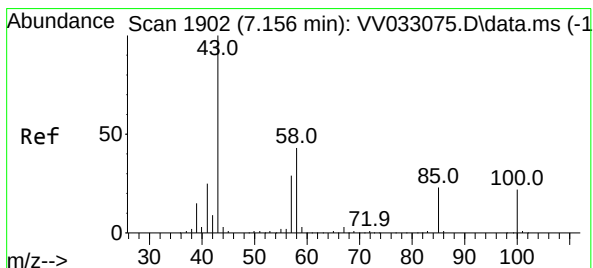
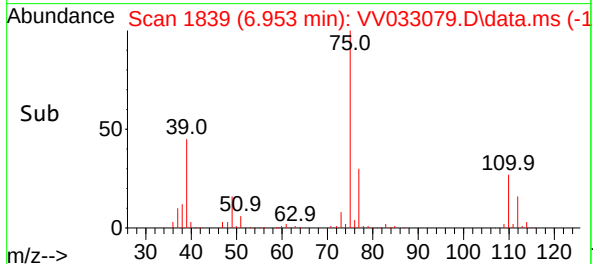
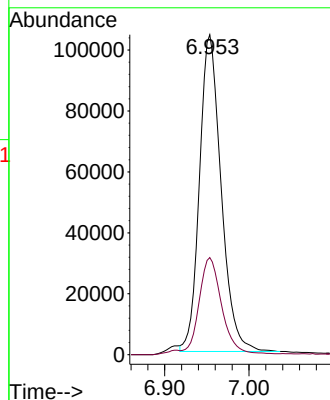
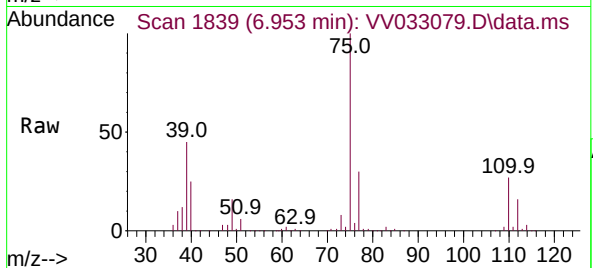
ClientSampleId :

Tgt Ion: 75 Resp: 186210

Ion Ratio Lower Upper

75 100

77 30.3 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 105.555 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. 0.000 min

Lab File: VV033079.D

Acq: 01 Dec 2023 15:20

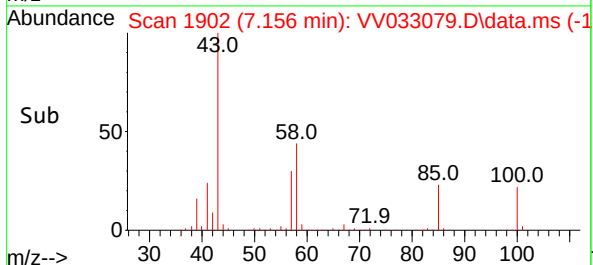
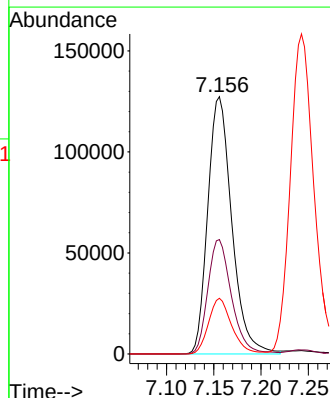
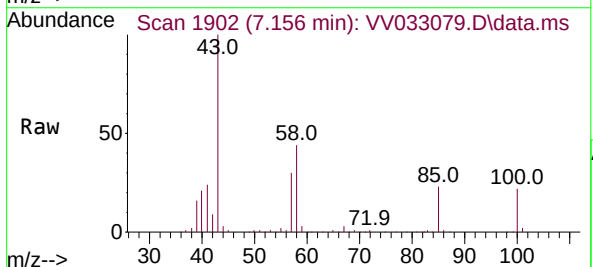
Tgt Ion: 43 Resp: 225578

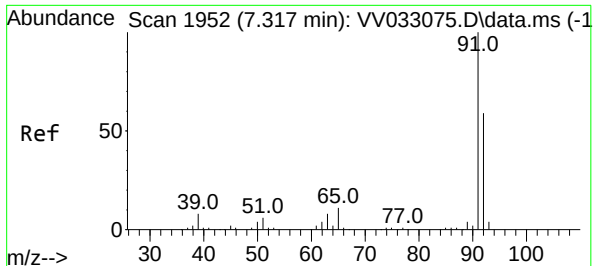
Ion Ratio Lower Upper

43 100

58 43.7 34.5 51.7

100 21.0 17.0 25.6





#42

Toluene

Concen: 51.729 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VV033079.D

Acq: 01 Dec 2023 15:20

Instrument :

MSVOA_V

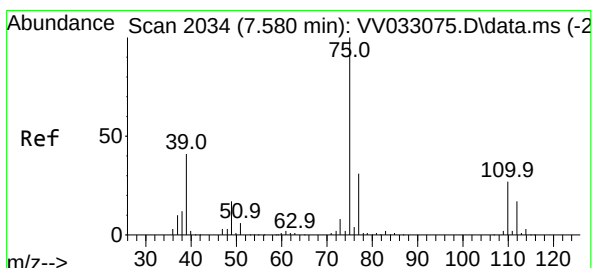
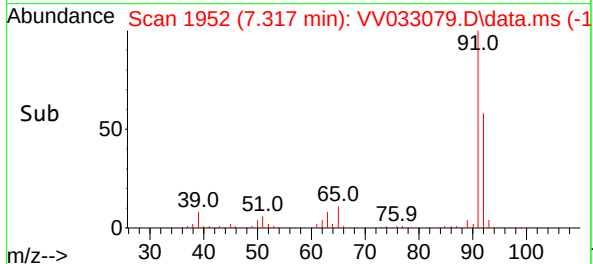
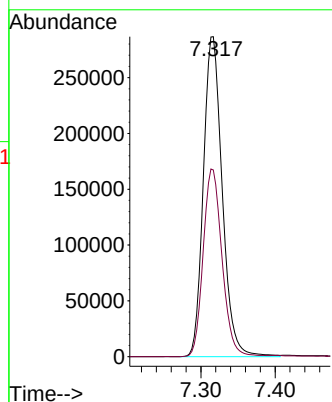
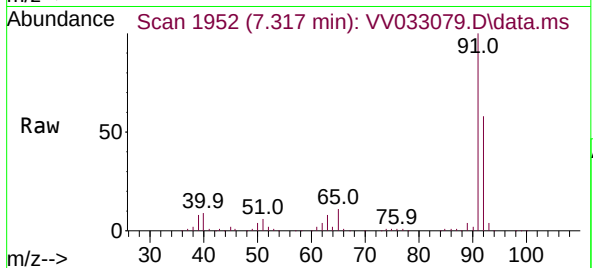
ClientSampleId :

Tgt Ion: 91 Resp: 506961

Ion Ratio Lower Upper

91 100

92 58.4 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 52.478 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.000 min

Lab File: VV033079.D

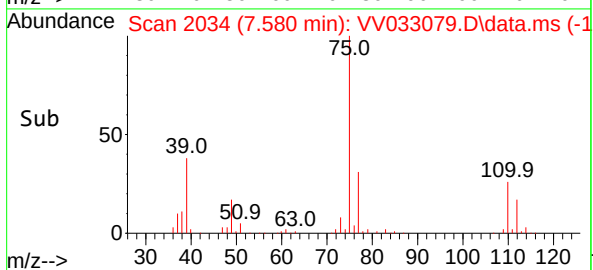
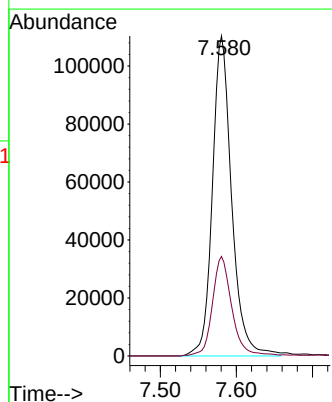
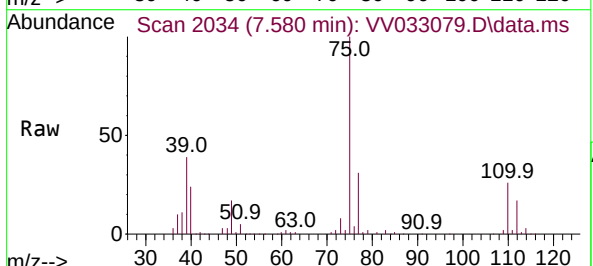
Acq: 01 Dec 2023 15:20

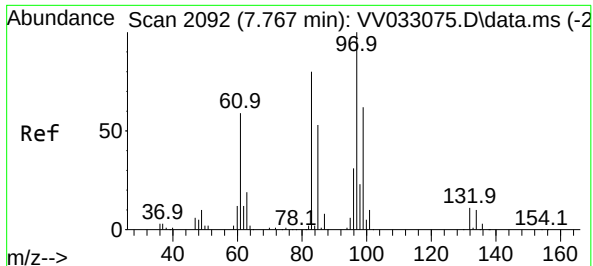
Tgt Ion: 75 Resp: 193808

Ion Ratio Lower Upper

75 100

77 31.1 22.0 41.0





#45

1,1,2-Trichloroethane

Concen: 49.949 ug/L

RT: 7.767 min Scan# 2092

Delta R.T. 0.000 min

Lab File: VV033079.D

Acq: 01 Dec 2023 15:20

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 116567

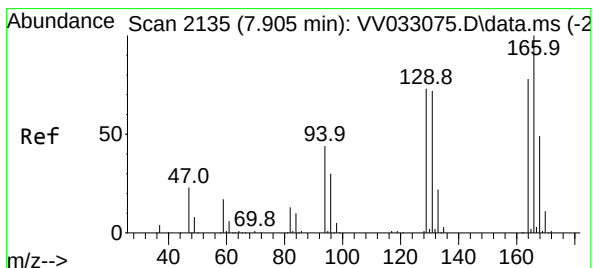
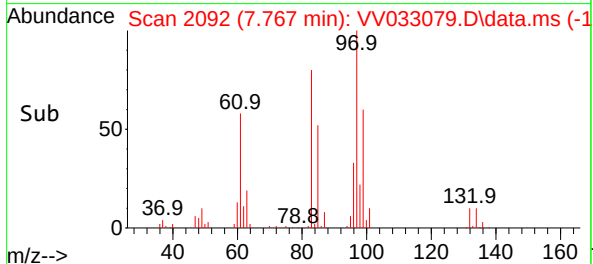
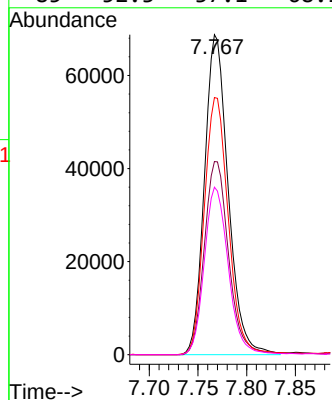
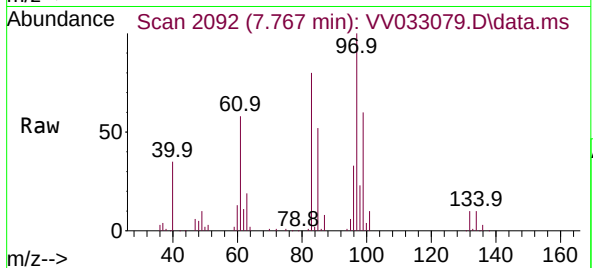
Ion Ratio Lower Upper

97 100

99 60.4 43.2 80.2

83 80.3 55.8 103.6

85 52.3 37.1 68.9



#46

Tetrachloroethene

Concen: 50.814 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VV033079.D

Acq: 01 Dec 2023 15:20

Tgt Ion: 164 Resp: 113496

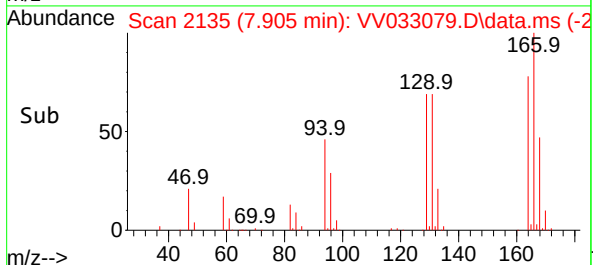
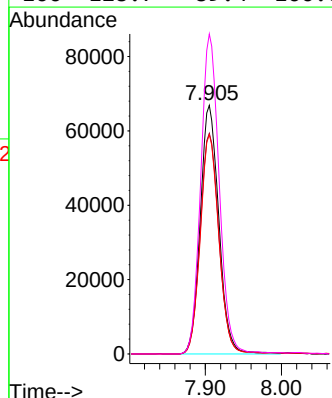
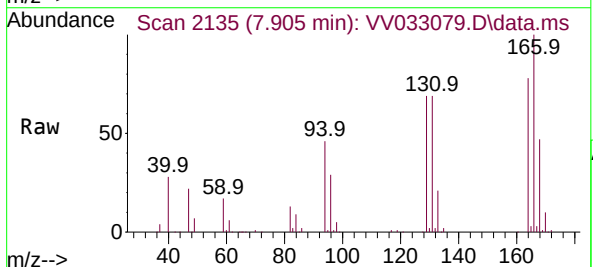
Ion Ratio Lower Upper

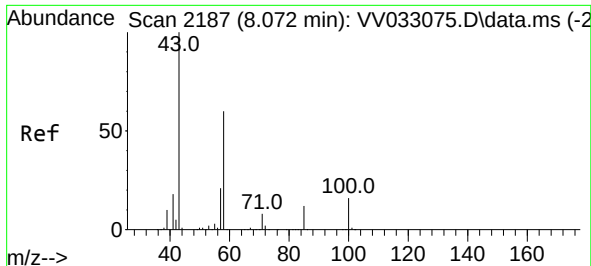
164 100

129 88.7 65.6 121.8

131 88.2 64.7 120.1

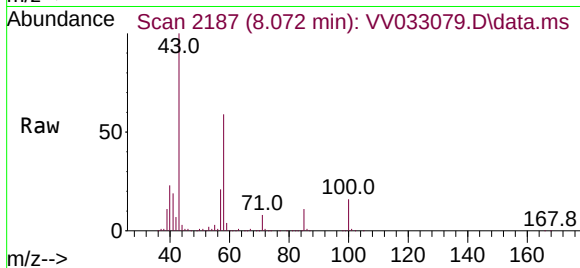
166 128.7 89.4 166.0



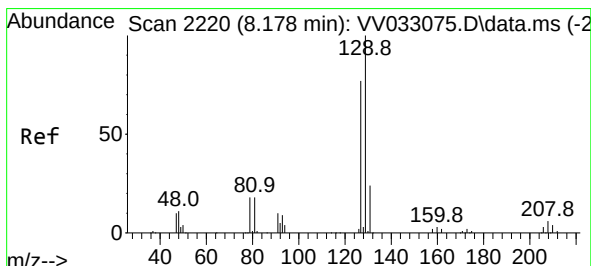
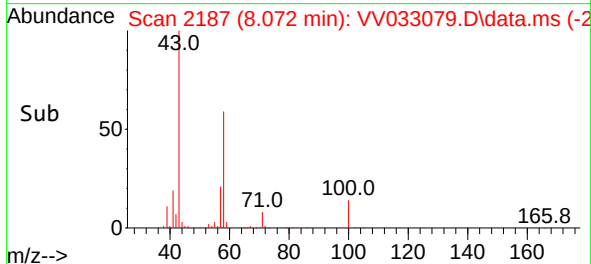
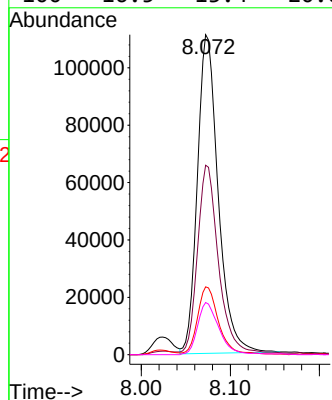


#48
2-Hexanone
Concen: 102.130 ug/L
RT: 8.072 min Scan# 2187
Delta R.T. 0.000 min
Lab File: VV033079.D
Acq: 01 Dec 2023 15:20

Instrument :
MSVOA_V
ClientSampleId :

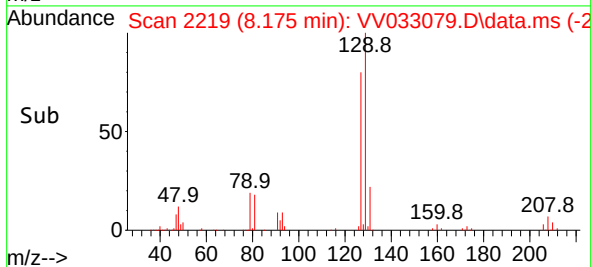
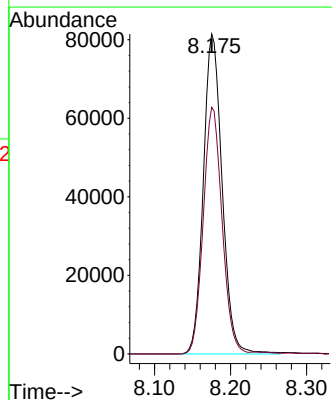
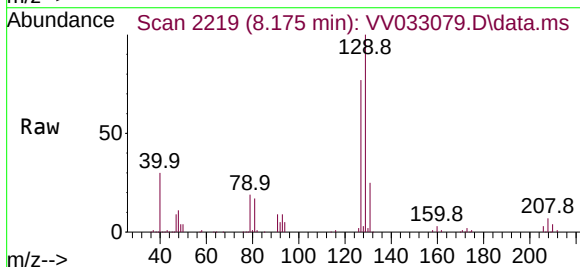


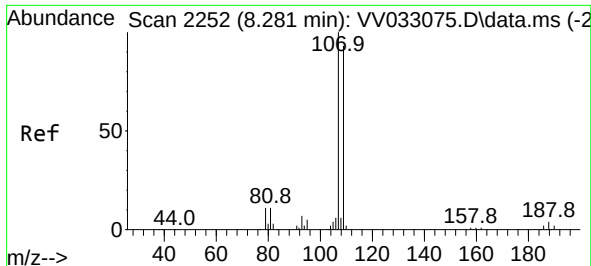
Tgt Ion: 43	Resp: 180957
Ion Ratio	Lower Upper
43 100	
58 58.5	47.9 71.9
57 21.7	17.4 26.0
100 16.5	13.4 20.0



#49
Dibromochloromethane
Concen: 50.233 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. -0.003 min
Lab File: VV033079.D
Acq: 01 Dec 2023 15:20

Tgt Ion:129	Resp: 139947
Ion Ratio	Lower Upper
129 100	
127 77.1	54.1 100.5





#50

1,2-Dibromoethane

Concen: 50.677 ug/L

RT: 8.281 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV033079.D

Acq: 01 Dec 2023 15:20

Instrument :

MSVOA_V

ClientSampleId :

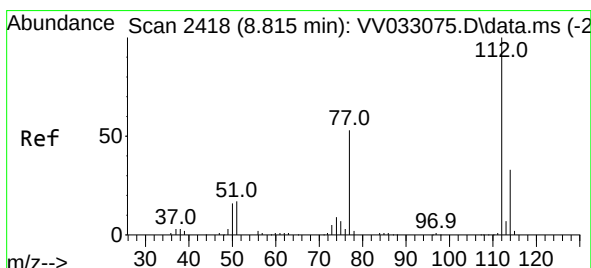
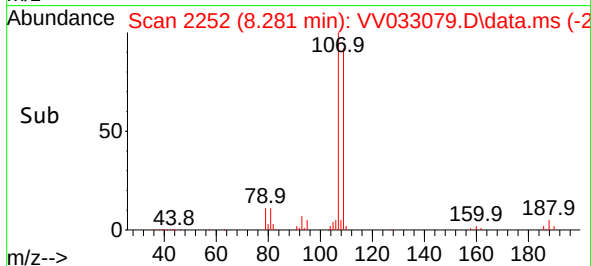
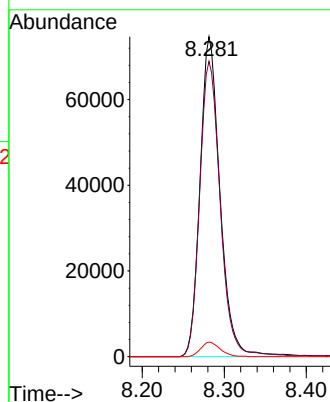
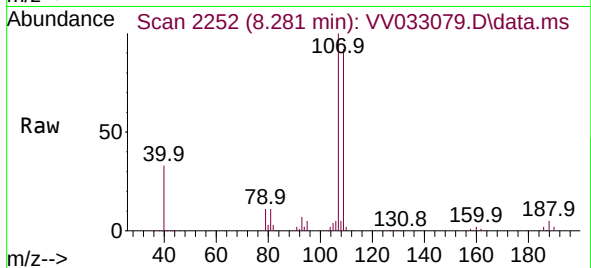
Tgt Ion:107 Resp: 126090

Ion Ratio Lower Upper

107 100

109 92.3 65.2 121.2

188 4.6 3.8 5.6



#51

Chlorobenzene

Concen: 50.017 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. 0.000 min

Lab File: VV033079.D

Acq: 01 Dec 2023 15:20

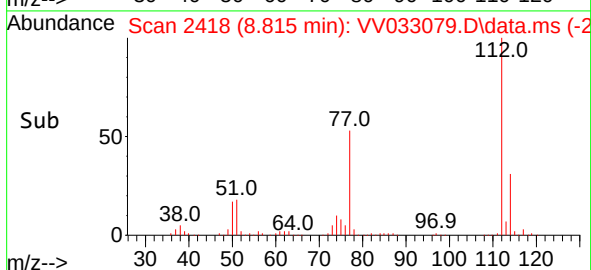
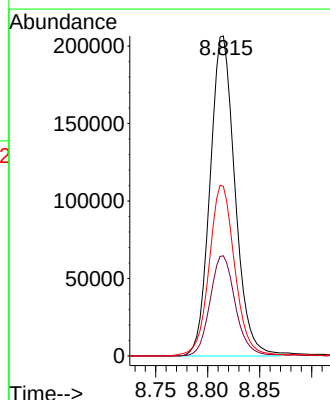
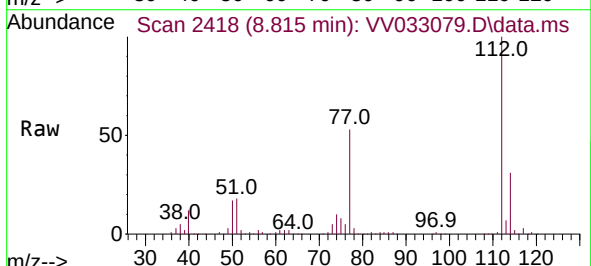
Tgt Ion:112 Resp: 344703

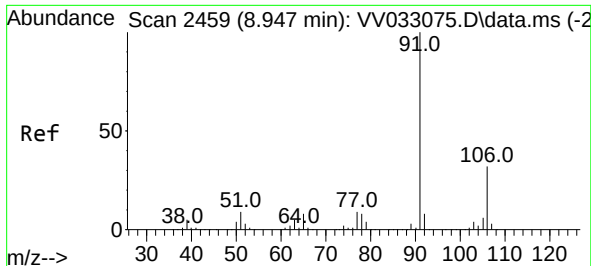
Ion Ratio Lower Upper

112 100

114 31.3 22.9 42.5

77 53.0 42.6 64.0

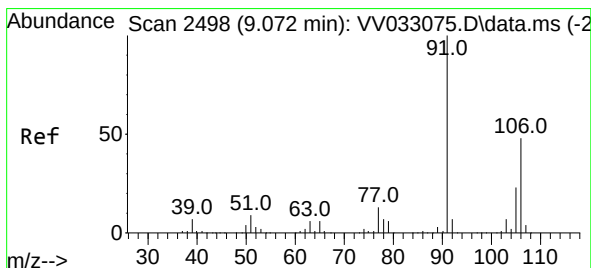
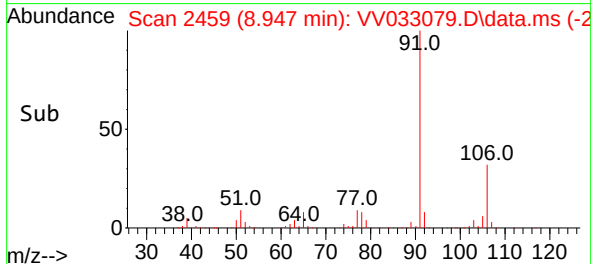
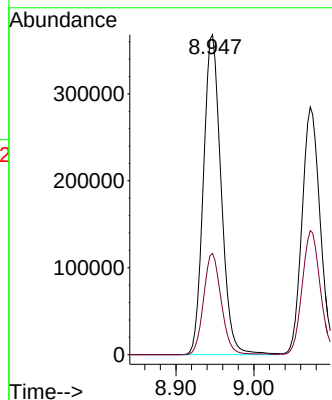
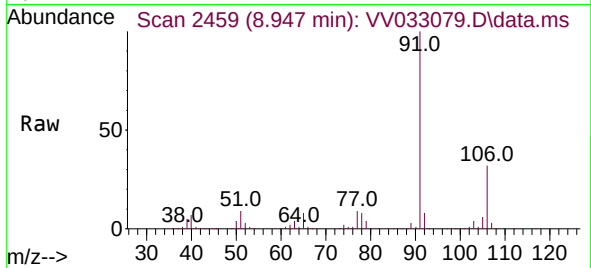




#52
Ethylbenzene
Concen: 51.448 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. 0.000 min
Lab File: VV033079.D
Acq: 01 Dec 2023 15:20

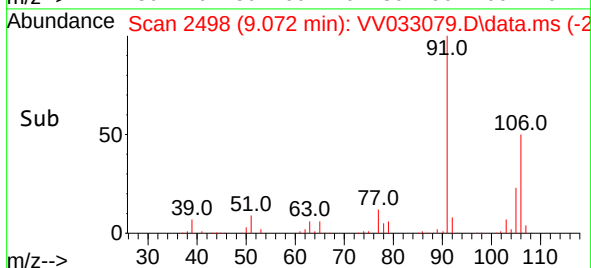
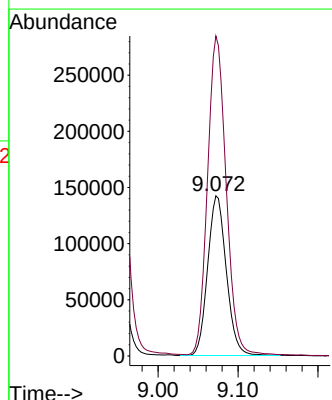
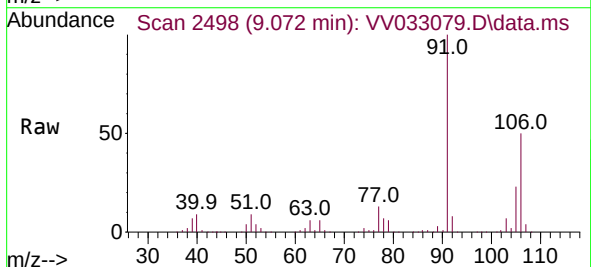
Instrument :
MSVOA_V
ClientSampleId :

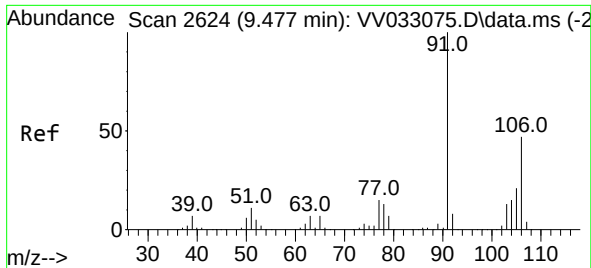
Tgt Ion: 91 Resp: 580360
Ion Ratio Lower Upper
91 100
106 31.6 22.6 42.0



#53
m,p-Xylene
Concen: 51.707 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.000 min
Lab File: VV033079.D
Acq: 01 Dec 2023 15:20

Tgt Ion: 106 Resp: 230987
Ion Ratio Lower Upper
106 100
91 199.7 145.2 269.6

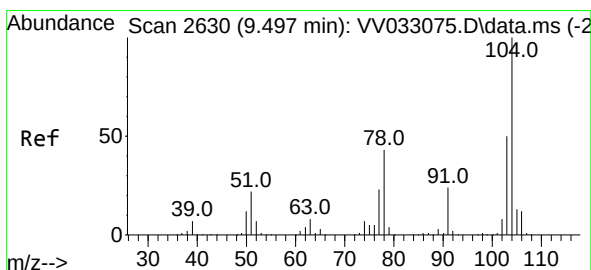
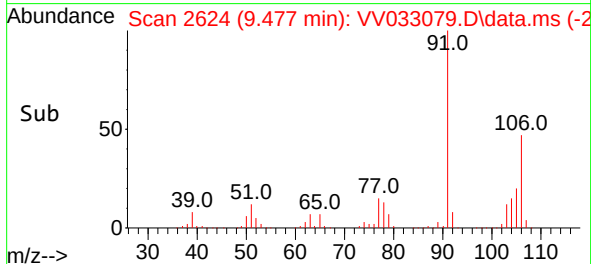
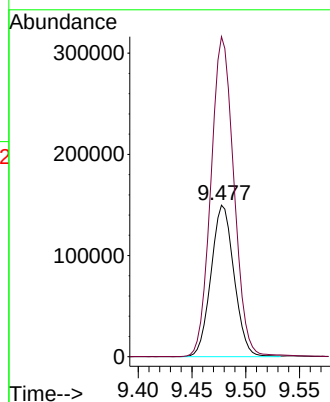
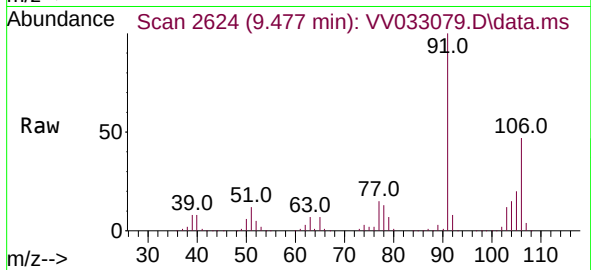




#54
o-Xylene
Concen: 50.597 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.000 min
Lab File: VV033079.D
Acq: 01 Dec 2023 15:20

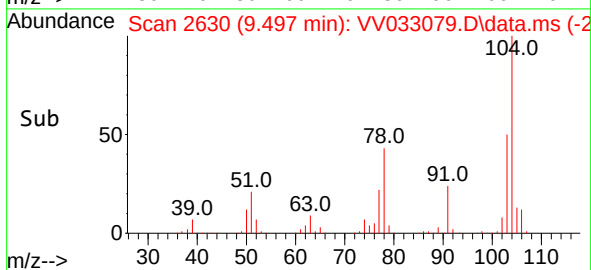
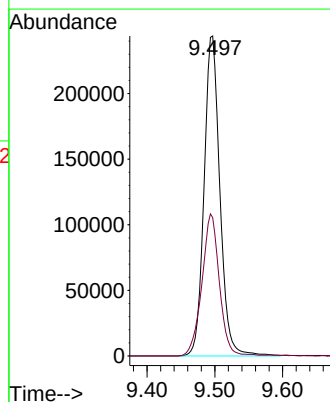
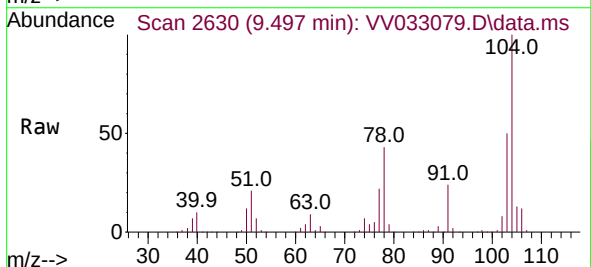
Instrument :
MSVOA_V
ClientSampleId :

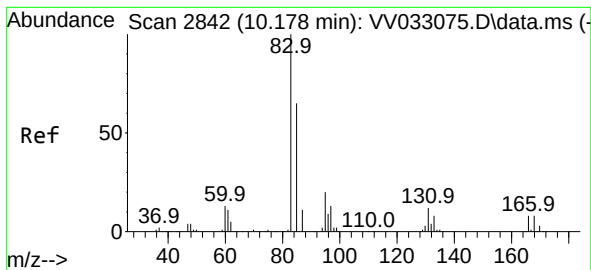
Tgt Ion:106 Resp: 223040
Ion Ratio Lower Upper
106 100
91 211.2 147.8 274.6



#55
Styrene
Concen: 51.969 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.000 min
Lab File: VV033079.D
Acq: 01 Dec 2023 15:20

Tgt Ion:104 Resp: 396303
Ion Ratio Lower Upper
104 100
78 43.3 30.2 56.0

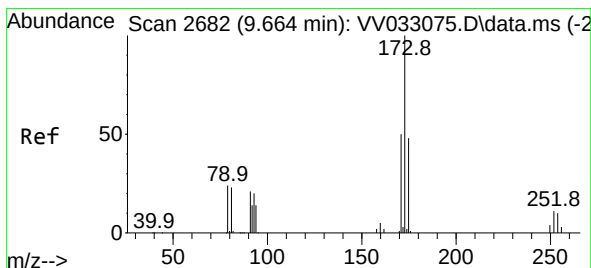
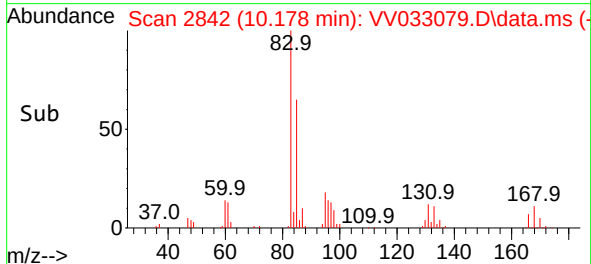
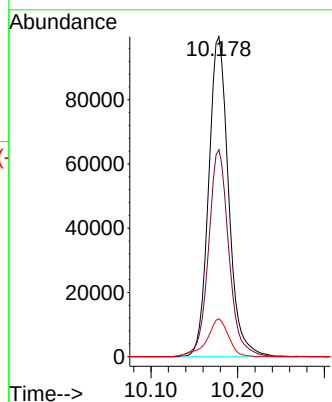
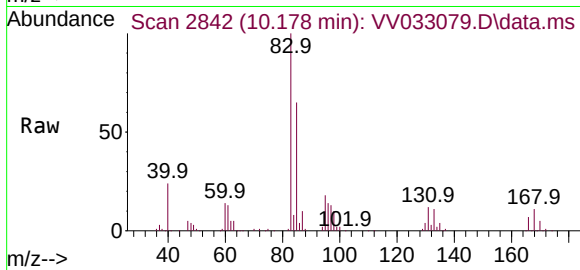




#57
 1,1,2,2-Tetrachloroethane
 Concen: 49.914 ug/L
 RT: 10.178 min Scan# 2842
 Delta R.T. 0.000 min
 Lab File: VV033079.D
 Acq: 01 Dec 2023 15:20

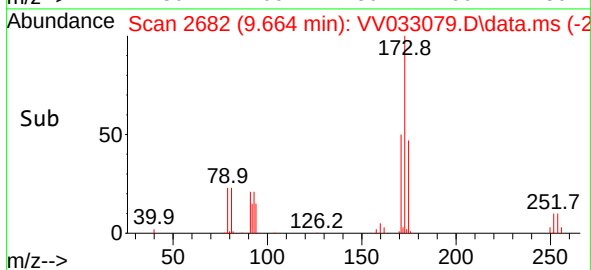
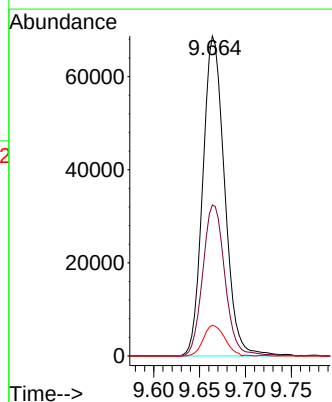
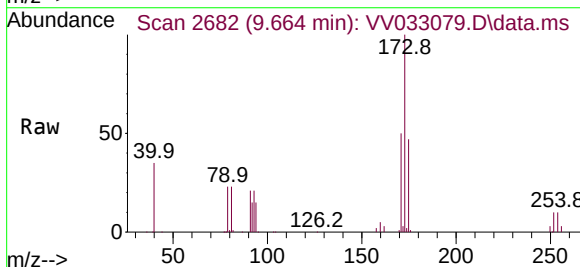
Instrument :
 MSVOA_V
 ClientSampleId :

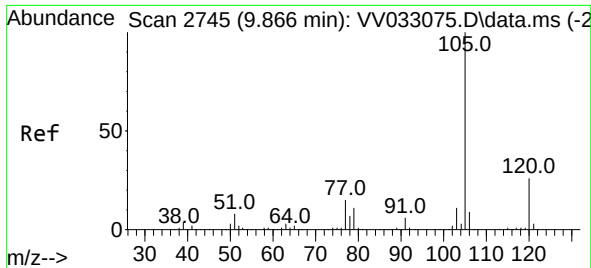
Tgt Ion: 83 Resp: 159151
 Ion Ratio Lower Upper
 83 100
 85 64.7 45.5 84.5
 131 11.9 9.7 14.5



#59
 Bromoform
 Concen: 51.154 ug/L
 RT: 9.664 min Scan# 2682
 Delta R.T. 0.000 min
 Lab File: VV033079.D
 Acq: 01 Dec 2023 15:20

Tgt Ion: 173 Resp: 113576
 Ion Ratio Lower Upper
 173 100
 175 47.9 38.7 58.1
 254 9.5 8.0 12.0

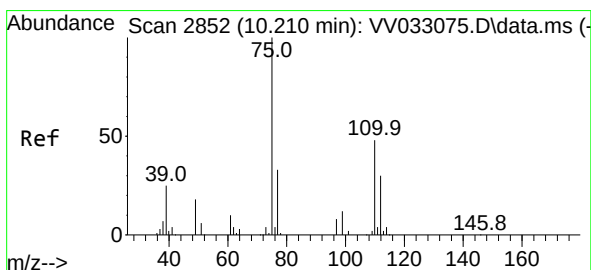
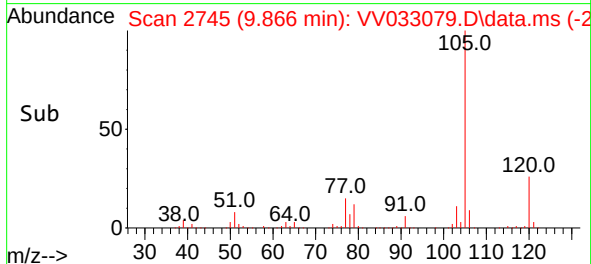
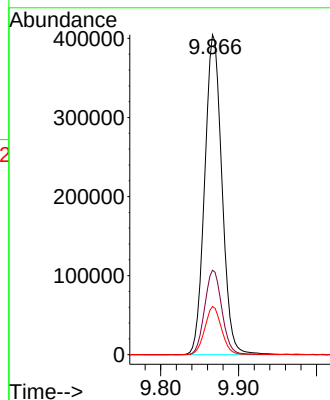
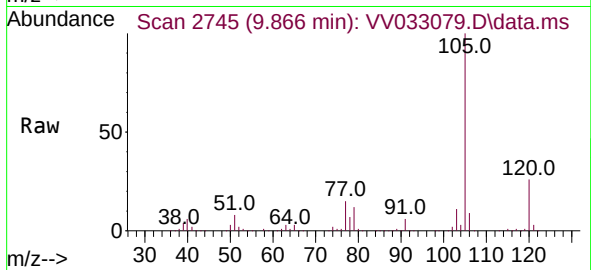




#60
Isopropylbenzene
Concen: 52.747 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV033079.D
Acq: 01 Dec 2023 15:20

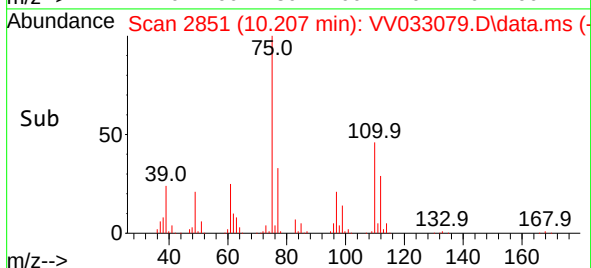
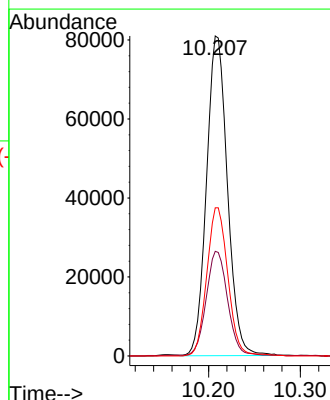
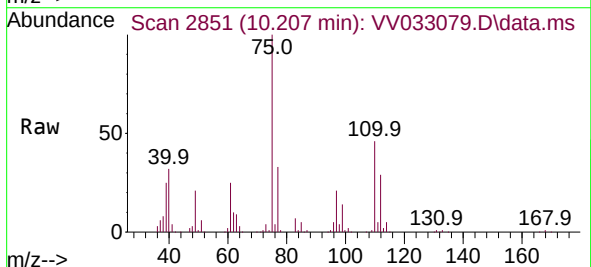
Instrument :
MSVOA_V
ClientSampleId :

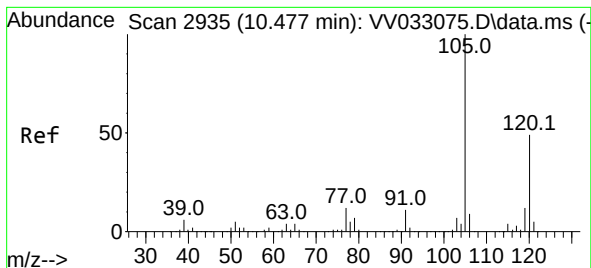
Tgt Ion:105 Resp: 622178
Ion Ratio Lower Upper
105 100
120 26.5 21.3 31.9
77 14.5 12.0 18.0



#61
1,2,3-Trichloropropane
Concen: 50.385 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. -0.003 min
Lab File: VV033079.D
Acq: 01 Dec 2023 15:20

Tgt Ion: 75 Resp: 128527
Ion Ratio Lower Upper
75 100
77 33.1 27.0 40.6
110 46.6 38.1 57.1





#62

1,3,5-Trimethylbenzene

Concen: 52.669 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VV033079.D

Acq: 01 Dec 2023 15:20

Instrument :

MSVOA_V

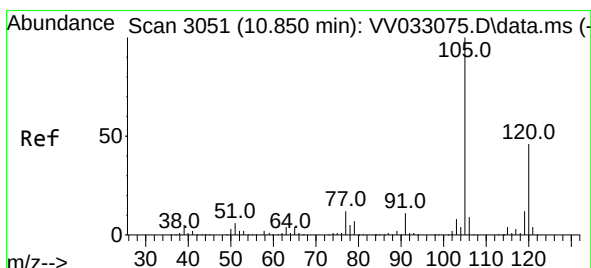
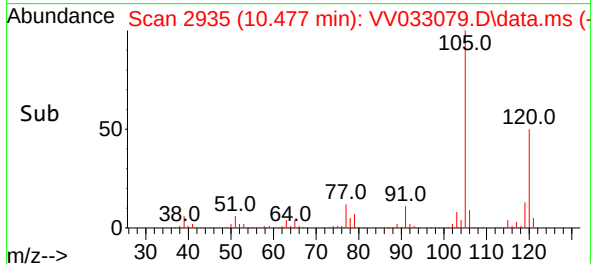
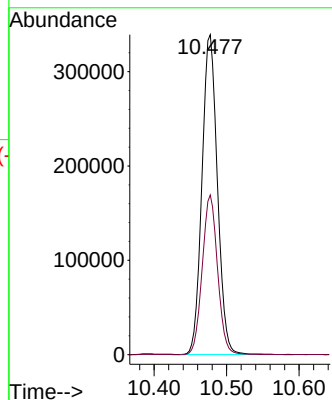
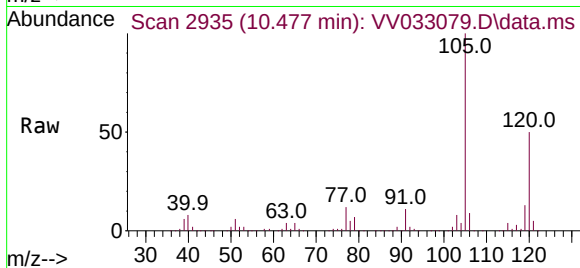
ClientSampleId :

Tgt Ion:105 Resp: 500535

Ion Ratio Lower Upper

105 100

120 49.7 39.7 59.5



#63

1,2,4-Trimethylbenzene

Concen: 53.718 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VV033079.D

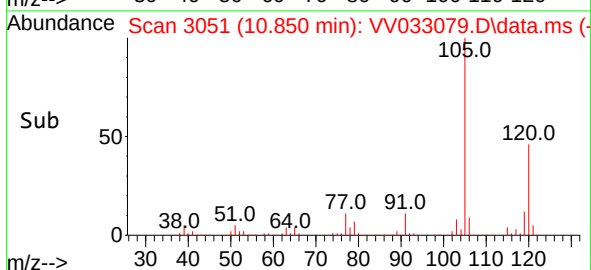
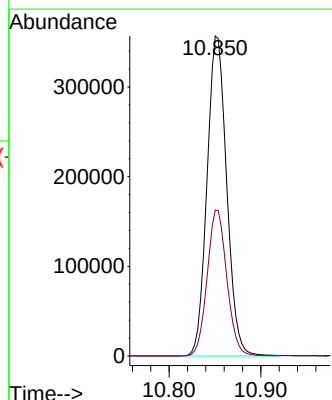
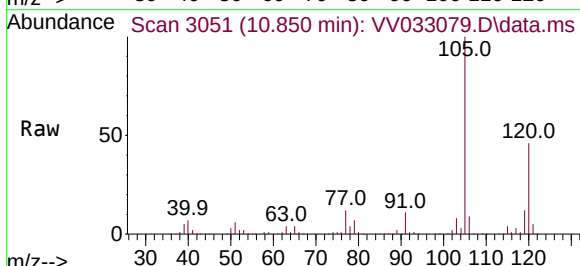
Acq: 01 Dec 2023 15:20

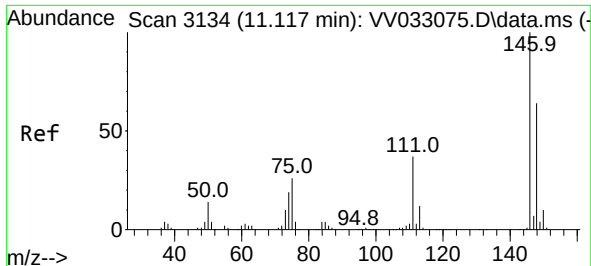
Tgt Ion:105 Resp: 531662

Ion Ratio Lower Upper

105 100

120 45.6 36.7 55.1

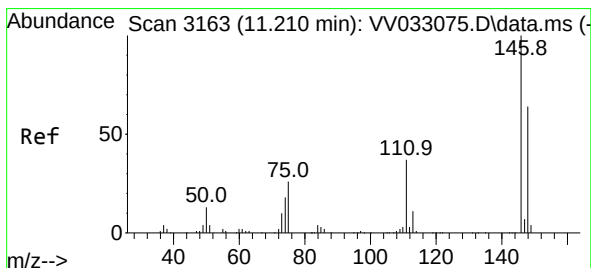
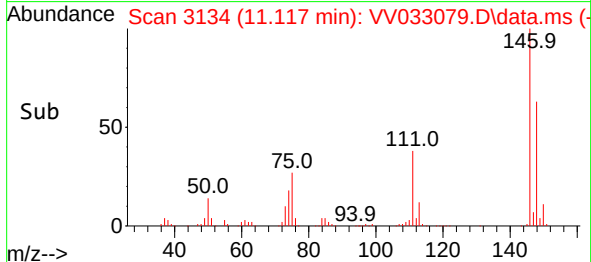
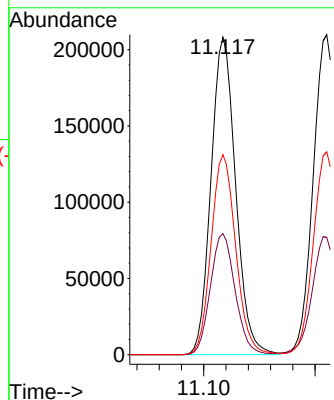
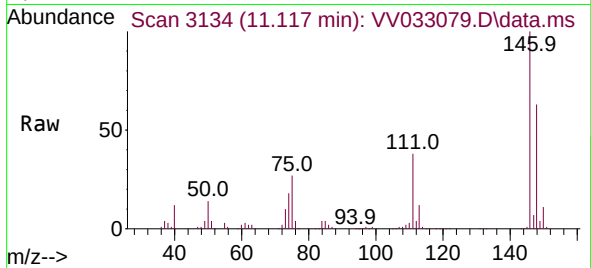




#64
1,3-Dichlorobenzene
Concen: 50.735 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. 0.000 min
Lab File: VV033079.D
Acq: 01 Dec 2023 15:20

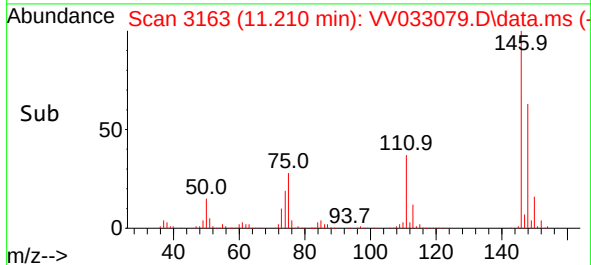
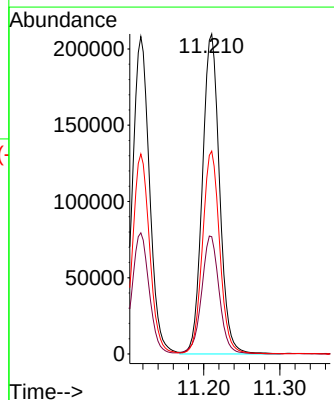
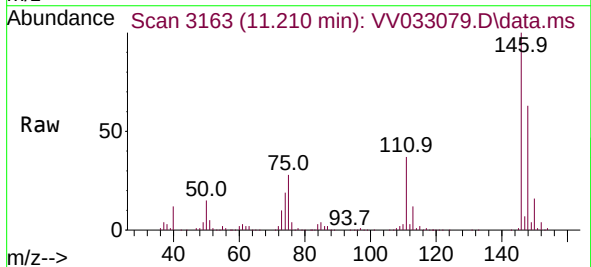
Instrument :
MSVOA_V
ClientSampleId :

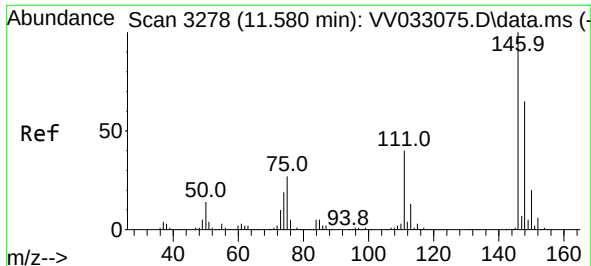
Tgt Ion:146 Resp: 319717
Ion Ratio Lower Upper
146 100
111 38.2 26.2 48.6
148 63.0 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 50.298 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. 0.000 min
Lab File: VV033079.D
Acq: 01 Dec 2023 15:20

Tgt Ion:146 Resp: 329253
Ion Ratio Lower Upper
146 100
111 36.7 25.9 48.1
148 63.4 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 50.248 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033079.D

Acq: 01 Dec 2023 15:20

Instrument :

MSVOA_V

ClientSampleId :

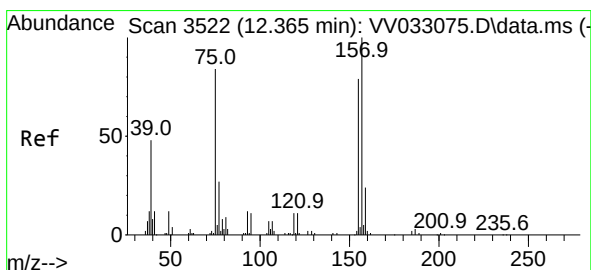
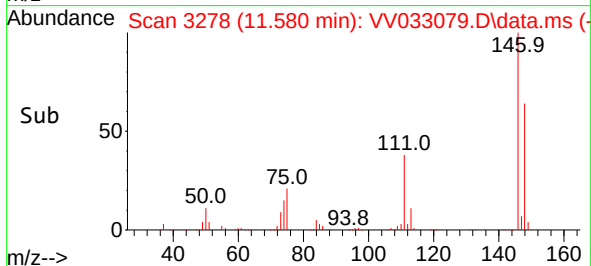
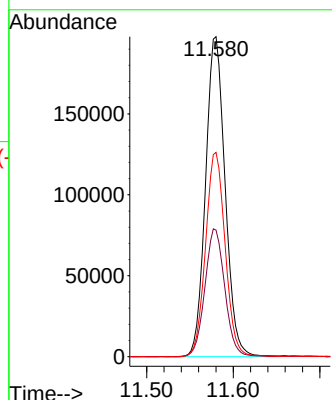
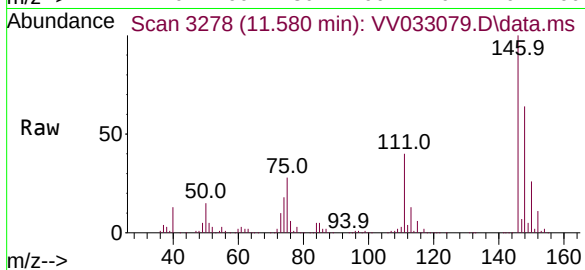
Tgt Ion:146 Resp: 310425

Ion Ratio Lower Upper

146 100

111 39.6 32.4 48.6

148 63.9 51.8 77.8



#68

1,2-Dibromo-3-chloropropane

Concen: 50.785 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. 0.000 min

Lab File: VV033079.D

Acq: 01 Dec 2023 15:20

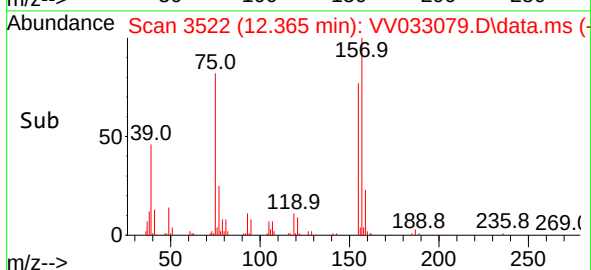
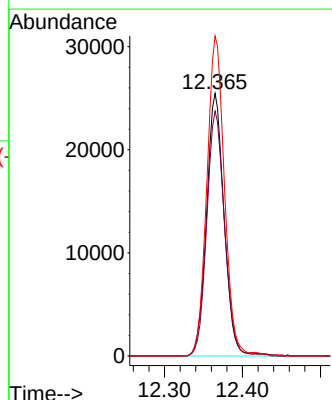
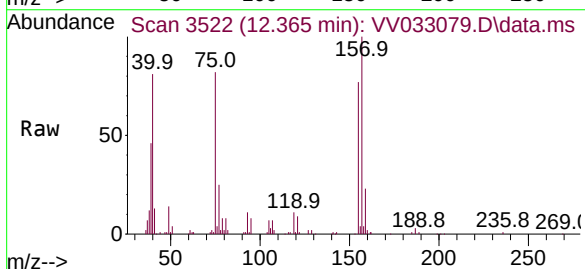
Tgt Ion: 75 Resp: 39750

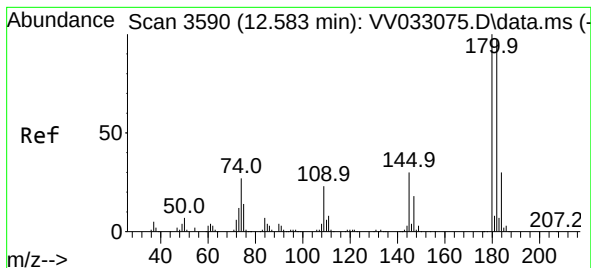
Ion Ratio Lower Upper

75 100

155 93.3 75.8 113.6

157 121.9 95.4 143.0





#69

1,3,5-Trichlorobenzene

Concen: 49.601 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. 0.000 min

Lab File: VV033079.D

Acq: 01 Dec 2023 15:20

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180 Resp: 250370

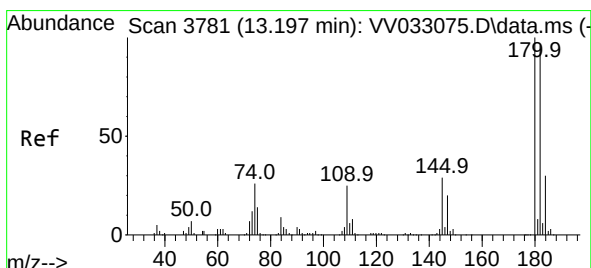
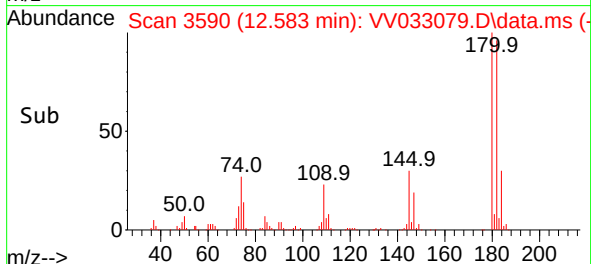
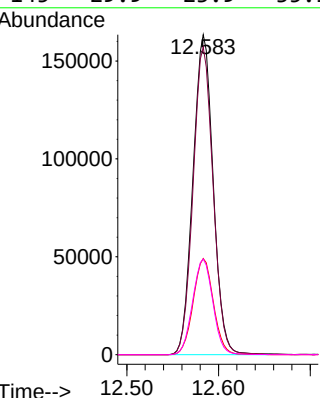
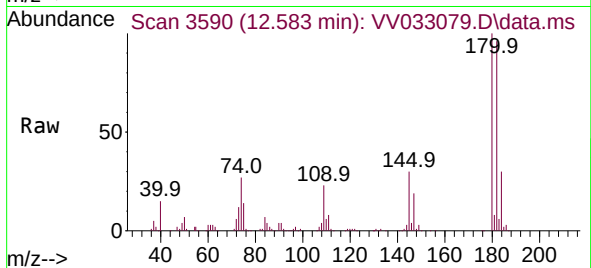
Ion Ratio Lower Upper

180 100

182 95.4 76.2 114.4

184 30.0 24.2 36.4

145 29.9 23.9 35.9



#70

1,2,4-trichlorobenzene

Concen: 51.365 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.000 min

Lab File: VV033079.D

Acq: 01 Dec 2023 15:20

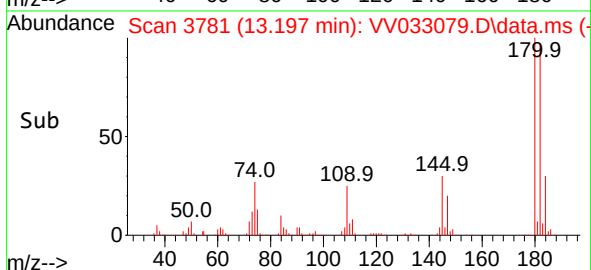
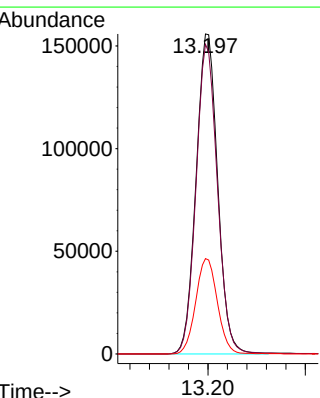
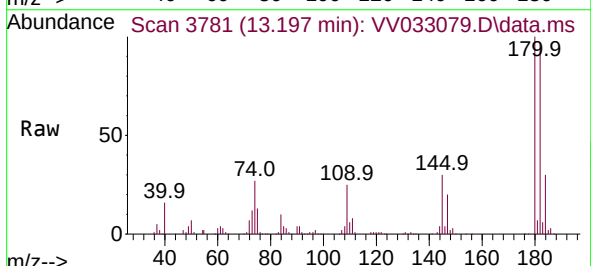
Tgt Ion:180 Resp: 239541

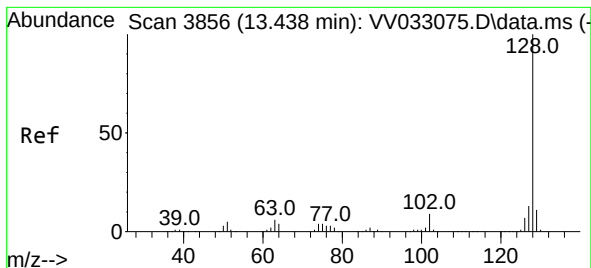
Ion Ratio Lower Upper

180 100

182 95.8 76.3 114.5

145 29.9 23.4 35.0





#71

Naphthalene

Concen: 55.619 ug/L

RT: 13.439 min Scan# 3856

Delta R.T. 0.000 min

Lab File: VV033079.D

Acq: 01 Dec 2023 15:20

Instrument :

MSVOA_V

ClientSampleId :

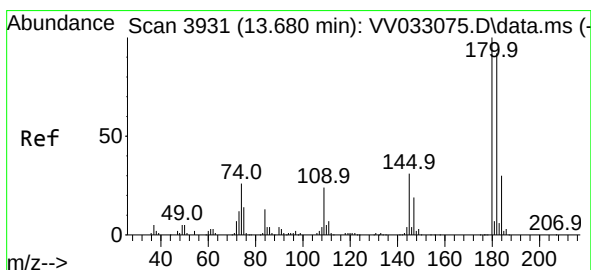
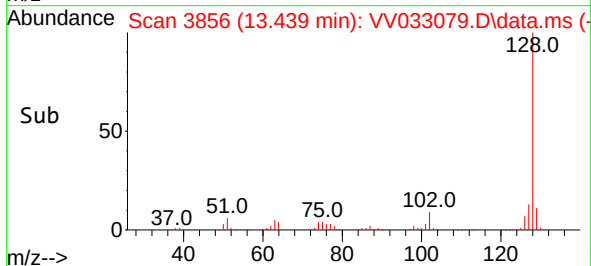
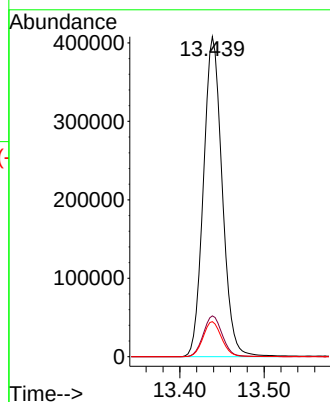
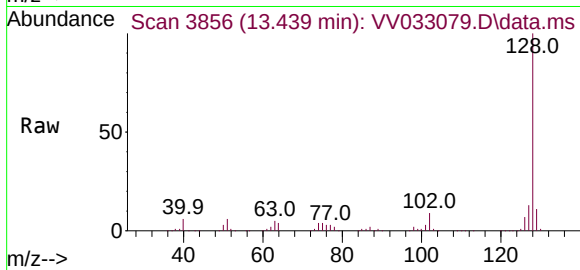
Tgt Ion:128 Resp: 632563

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

129 10.9 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 52.801 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.000 min

Lab File: VV033079.D

Acq: 01 Dec 2023 15:20

Tgt Ion:180 Resp: 237602

Ion Ratio Lower Upper

180 100

182 95.3 75.2 112.8

145 32.3 24.9 37.3

