

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061223\
 Data File : VW031498.D
 Acq On : 12 Jun 2023 09:37
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050367

Quant Time: Jun 13 01:37:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM060723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 10 01:38:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.538	114	224907	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	231180	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	143301	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	73782	37.286	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.580%
7) Chloroethane-d5	1.532	69	75605	47.192	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.380%
11) 1,1-Dichloroethene-d2	2.059	65	41287	44.024	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.040%
21) 2-Butanone-d5	3.796	46	158939	111.141	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.140%
24) Chloroform-d	4.252	84	199619	53.033	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.060%
26) 1,2-Dichloroethane-d4	4.944	65	134506	53.267	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.540%
32) Benzene-d6	4.963	84	333179	48.815	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.620%
36) 1,2-Dichloropropane-d6	5.992	67	119740	50.471	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.940%
41) Toluene-d8	7.246	98	314826	50.212	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.420%
43) trans-1,3-Dichloroprop...	7.554	79	55185	46.178	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.360%
47) 2-Hexanone-d5	8.030	63	96539	108.040	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.040%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	158219	52.845	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.700%
66) 1,2-Dichlorobenzene-d4	11.567	152	130896	49.241	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.480%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	48765	54.068	ug/L	97
3) Chloromethane	1.214	50	37006	50.560	ug/L	96
5) Vinyl chloride	1.281	62	44892	51.408	ug/L	97
6) Bromomethane	1.487	94	27976	53.303	ug/L	98
8) Chloroethane	1.548	64	38335	54.487	ug/L	98
9) Trichlorofluoromethane	1.712	101	120667	57.248	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	77273	56.690	ug/L	96
12) 1,1-Dichloroethene	2.069	96	47195	52.600	ug/L	99
13) Acetone	2.124	43	159431	124.621	ug/L	99
14) Carbon disulfide	2.243	76	35955	46.848	ug/L	96
15) Methyl Acetate	2.378	43	107270	55.527	ug/L	97
16) Methylene chloride	2.449	84	73620	54.357	ug/L	95
17) trans-1,2-Dichloroethene	2.696	96	44823	52.691	ug/L	97
18) Methyl tert-butyl Ether	2.706	73	280043	53.557	ug/L	100
19) 1,1-Dichloroethane	3.114	63	163578	55.590	ug/L	97
20) cis-1,2-Dichloroethene	3.818	96	76881	55.588	ug/L	93
22) 2-Butanone	3.876	43	176841	112.468	ug/L	97
23) Bromochloromethane	4.149	128	41785	57.453	ug/L	96
25) Chloroform	4.278	83	191114	58.243	ug/L	97

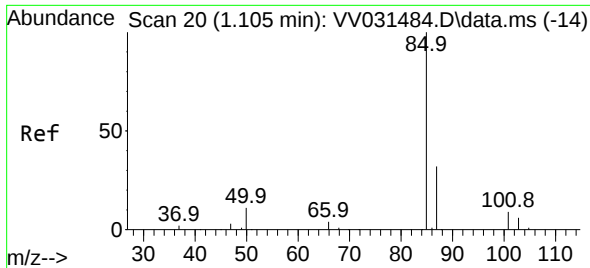
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 Quant Title : VOC Analysis
 QLast Update : Sat Jun 10 01:38:32 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	142425	59.443	ug/L	99
29) Cyclohexane	4.590	56	59172	47.791	ug/L	97
30) 1,1,1-Trichloroethane	4.516	97	153590	56.284	ug/L	98
31) Carbon tetrachloride	4.741	117	125416	55.326	ug/L	97
33) Benzene	5.014	78	281615	55.208	ug/L	100
34) Trichloroethene	5.837	95	92886	57.798	ug/L	100
35) Methylcyclohexane	6.053	83	67112	48.827	ug/L	98
37) 1,2-Dichloropropane	6.098	63	105747	57.595	ug/L	99
38) Bromodichloromethane	6.435	83	150625	56.051	ug/L	96
39) cis-1,3-Dichloropropene	6.956	75	146374	53.361	ug/L	96
40) 4-Methyl-2-pentanone	7.162	43	346814	116.280	ug/L	99
42) Toluene	7.320	91	326934	57.261	ug/L	100
44) trans-1,3-Dichloropropene	7.583	75	158744	57.055	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	110283	58.111	ug/L	95
46) Tetrachloroethene	7.908	164	57930	55.526	ug/L	99
48) 2-Hexanone	8.079	43	292114	125.124	ug/L	98
49) Dibromochloromethane	8.181	129	122004	58.933	ug/L	98
50) 1,2-Dibromoethane	8.287	107	103647	56.729	ug/L	98
51) Chlorobenzene	8.818	112	239615	55.194	ug/L	98
52) Ethylbenzene	8.950	91	395038	55.594	ug/L	99
53) m,p-Xylene	9.078	106	148522	58.001	ug/L	100
54) o-Xylene	9.484	106	146600	56.752	ug/L	94
55) Styrene	9.500	104	290374	61.657	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.181	83	152851	52.541	ug/L	98
59) Bromoform	9.670	173	95573	52.050	ug/L	99
60) Isopropylbenzene	9.873	105	433159	52.898	ug/L	100
61) 1,2,3-Trichloropropane	10.213	75	153417	52.886	ug/L	98
62) 1,3,5-Trimethylbenzene	10.484	105	357916	52.925	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	367963	54.359	ug/L	100
64) 1,3-Dichlorobenzene	11.123	146	230153	54.911	ug/L	99
65) 1,4-Dichlorobenzene	11.213	146	237652	53.606	ug/L	99
67) 1,2-Dichlorobenzene	11.586	146	230803	53.717	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.368	75	39583	51.479	ug/L	96
69) 1,3,5-Trichlorobenzene	12.590	180	168362	52.175	ug/L	98
70) 1,2,4-trichlorobenzene	13.204	180	140964	51.205	ug/L	99
71) Naphthalene	13.445	128	331976	43.998	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	146126	52.956	ug/L	98

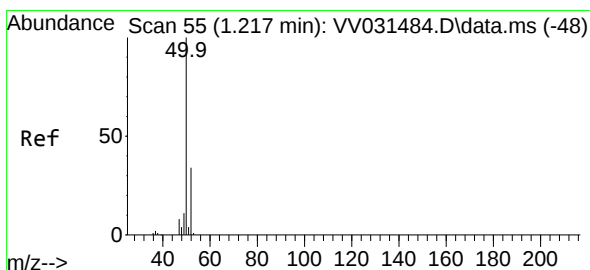
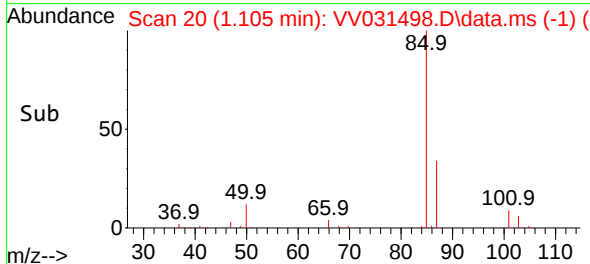
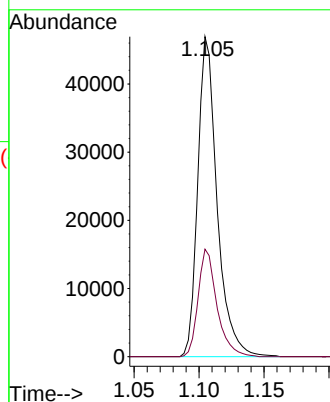
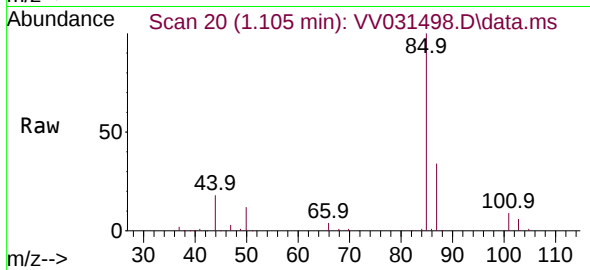
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#2
 Dichlorodifluoromethane
 Concen: 54.068 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV031498.D
 Acq: 12 Jun 2023 09:37

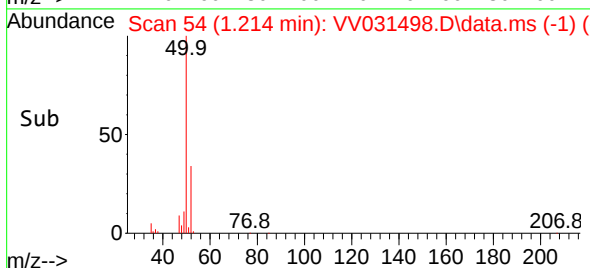
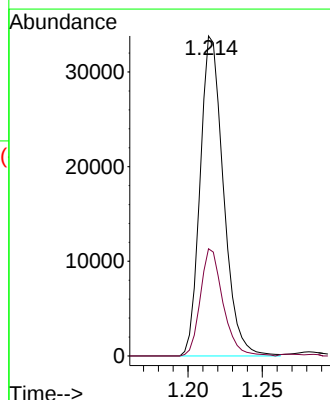
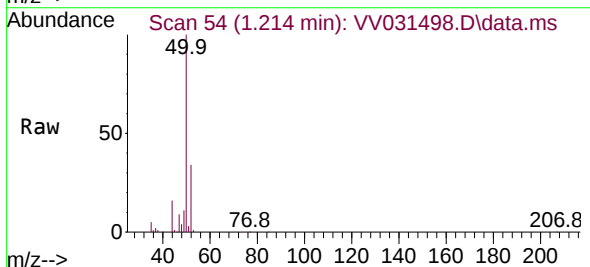
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050367

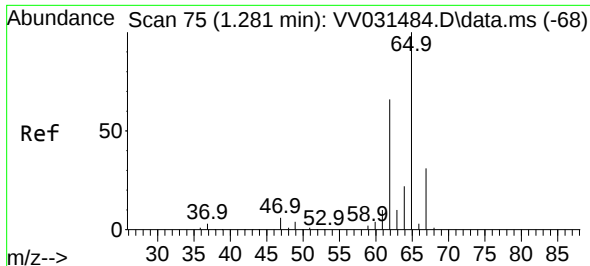
Tgt Ion: 85 Resp: 48765
 Ion Ratio Lower Upper
 85 100
 87 32.7 25.0 37.6



#3
 Chloromethane
 Concen: 50.560 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.003 min
 Lab File: VV031498.D
 Acq: 12 Jun 2023 09:37

Tgt Ion: 50 Resp: 37006
 Ion Ratio Lower Upper
 50 100
 52 33.5 21.9 40.7

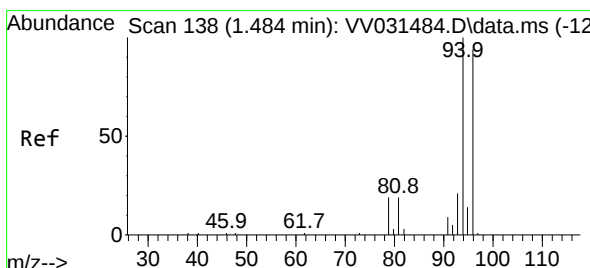
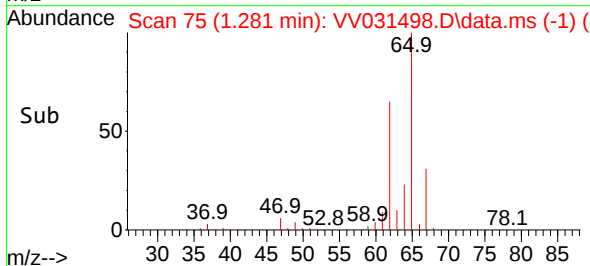
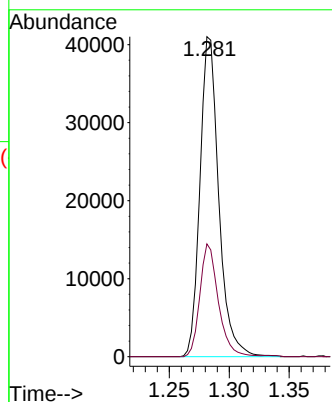
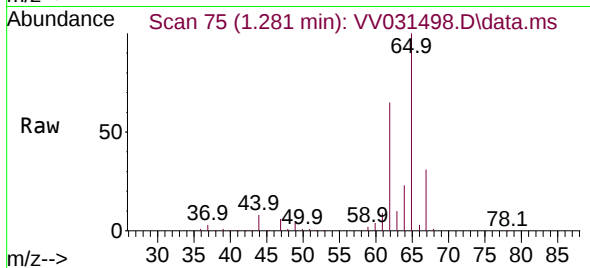




#5
 Vinyl chloride
 Concen: 51.408 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VV031498.D
 Acq: 12 Jun 2023 09:37

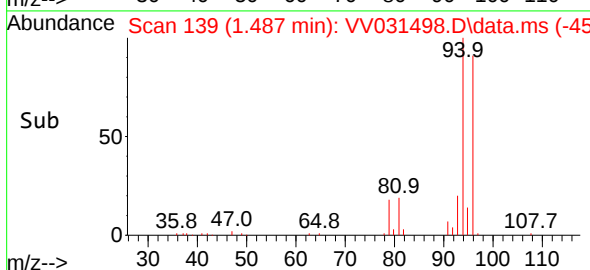
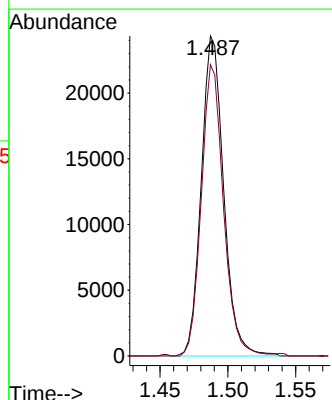
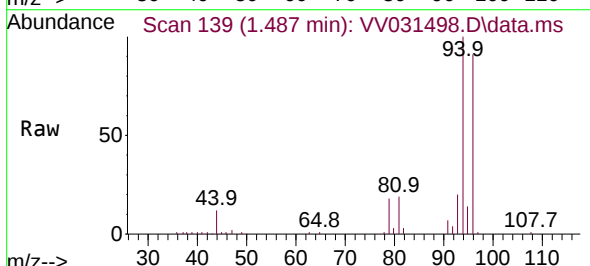
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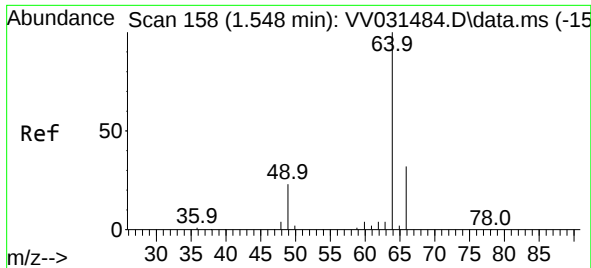
Tgt Ion: 62 Resp: 44892
 Ion Ratio Lower Upper
 62 100
 64 35.2 23.7 43.9



#6
 Bromomethane
 Concen: 53.303 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.003 min
 Lab File: VV031498.D
 Acq: 12 Jun 2023 09:37

Tgt Ion: 94 Resp: 27976
 Ion Ratio Lower Upper
 94 100
 96 91.0 65.4 121.4

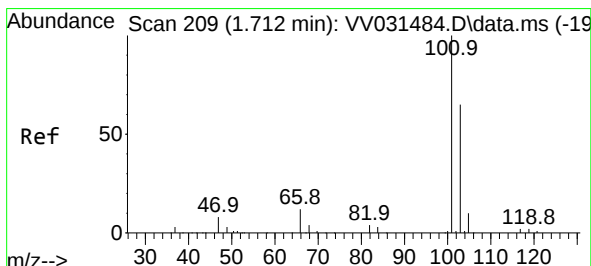
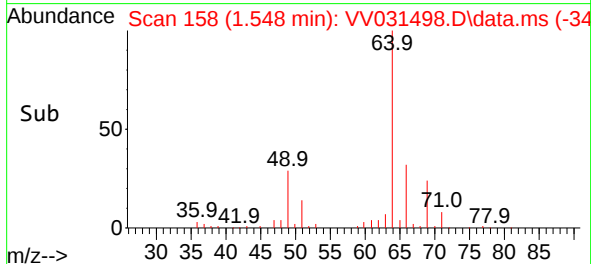
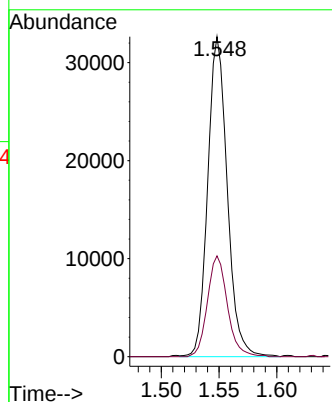
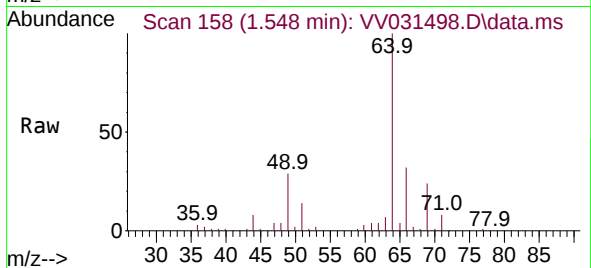




#8
Chloroethane
Concen: 54.487 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV031498.D
Acq: 12 Jun 2023 09:37

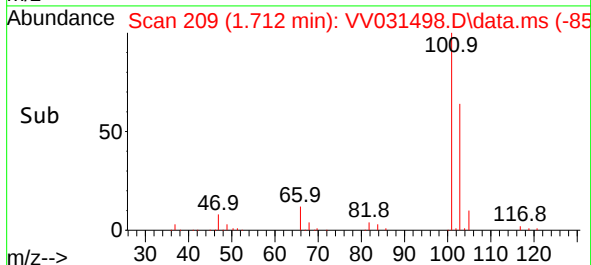
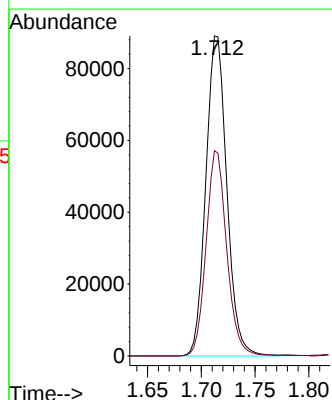
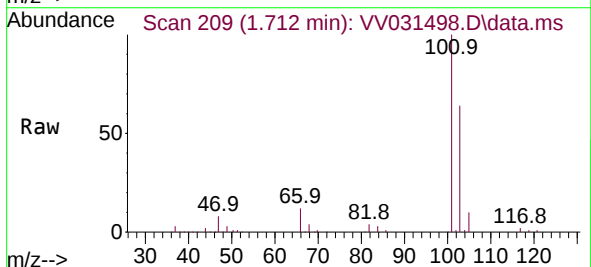
Instrument :
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ClientSampleId :
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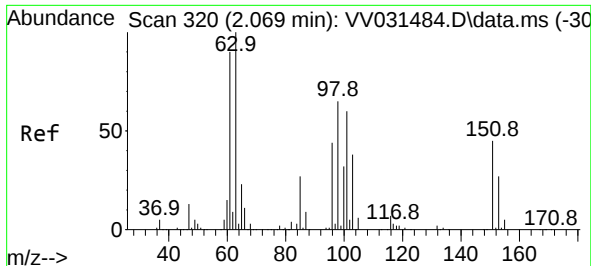
Tgt Ion: 64 Resp: 38335
Ion Ratio Lower Upper
64 100
66 31.5 21.4 39.8



#9
Trichlorofluoromethane
Concen: 57.248 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV031498.D
Acq: 12 Jun 2023 09:37

Tgt Ion:101 Resp: 120667
Ion Ratio Lower Upper
101 100
103 63.3 51.8 77.6





#10

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

Concen: 56.690 ug/L

RT: 2.069 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031498.D

Acq: 12 Jun 2023 09:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD050367

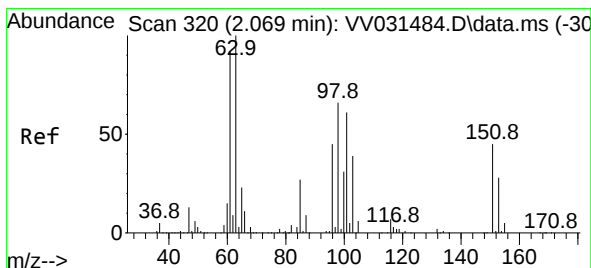
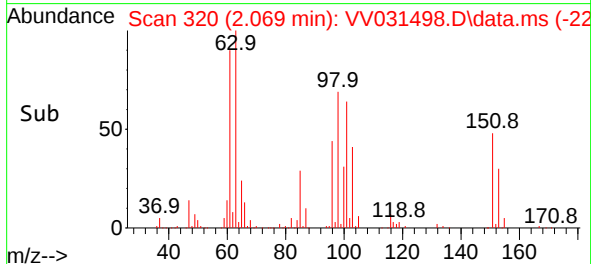
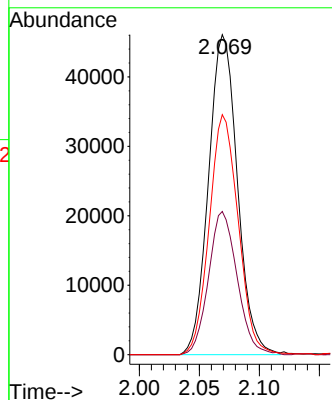
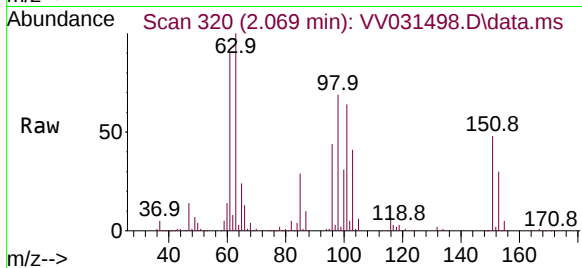
Tgt Ion:101 Resp: 77273

Ion Ratio Lower Upper

101 100

85 44.2 37.3 55.9

151 75.2 57.8 86.6



#12

1,1-Dichloroethene

Concen: 52.600 ug/L

RT: 2.069 min Scan# 320

Delta R.T. 0.000 min

Lab File: VV031498.D

Acq: 12 Jun 2023 09:37

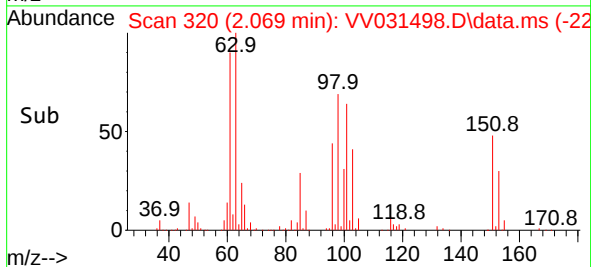
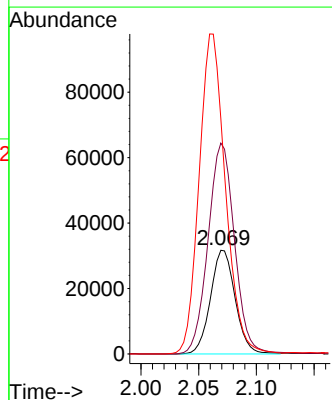
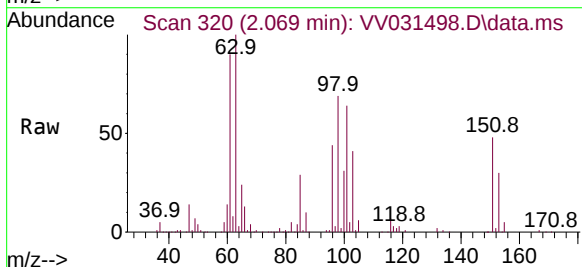
Tgt Ion: 96 Resp: 47195

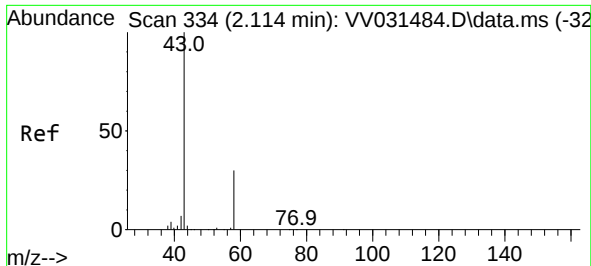
Ion Ratio Lower Upper

96 100

61 203.3 143.9 267.3

63 226.8 158.3 293.9





#13

Acetone

Concen: 124.621 ug/L

RT: 2.124 min Scan# 31

Delta R.T. 0.010 min

Lab File: VV031498.D

Acq: 12 Jun 2023 09:37

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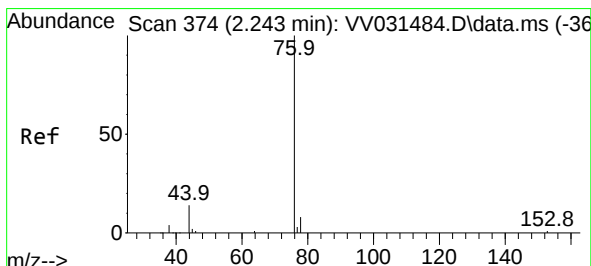
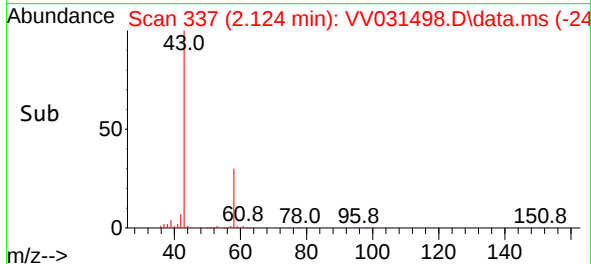
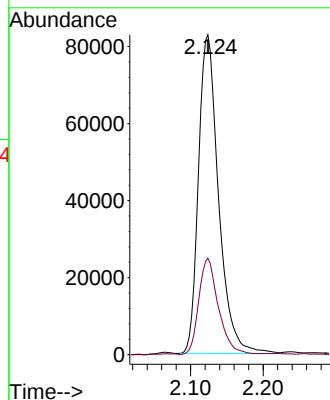
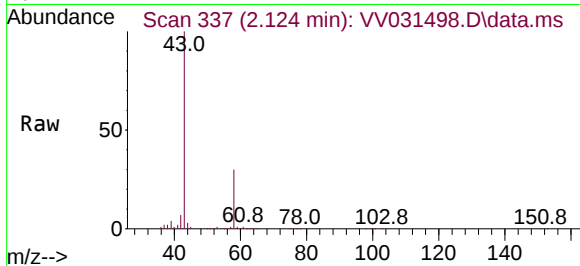
VSTD050367

Tgt Ion: 43 Resp: 159431

Ion Ratio Lower Upper

43 100

58 29.8 0.0 61.0



#14

Carbon disulfide

Concen: 46.848 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV031498.D

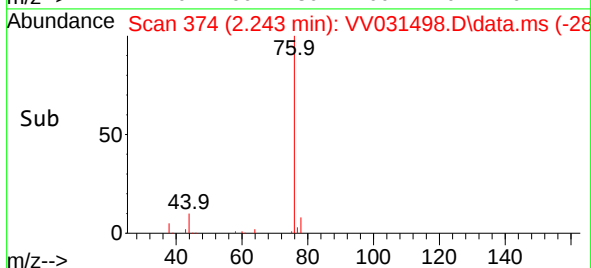
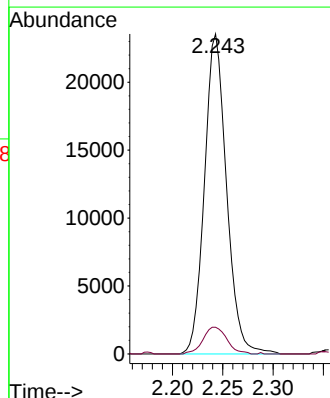
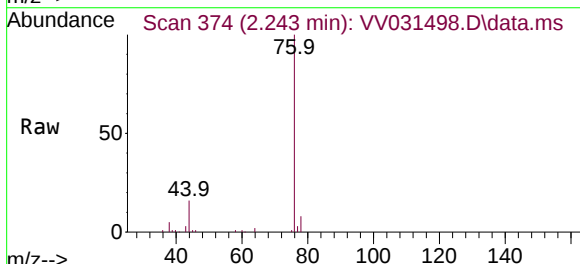
Acq: 12 Jun 2023 09:37

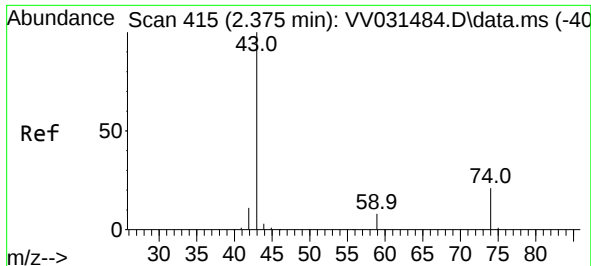
Tgt Ion: 76 Resp: 35955

Ion Ratio Lower Upper

76 100

78 8.3 7.9 11.9

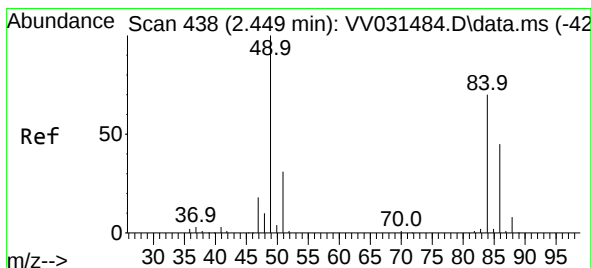
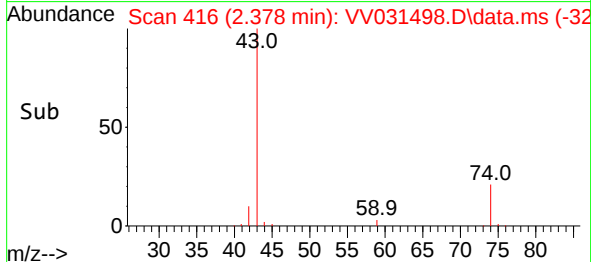
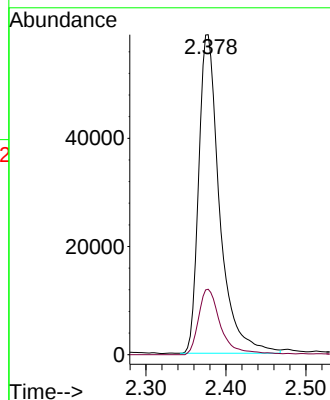
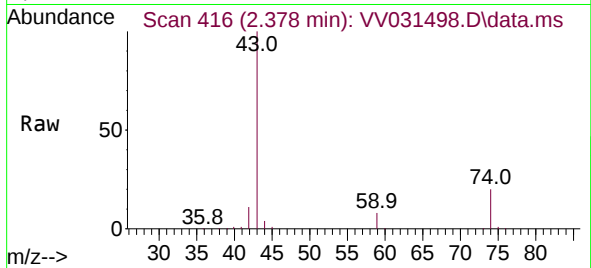




#15
Methyl Acetate
Concen: 55.527 ug/L
RT: 2.378 min Scan# 415
Delta R.T. 0.003 min
Lab File: VV031498.D
Acq: 12 Jun 2023 09:37

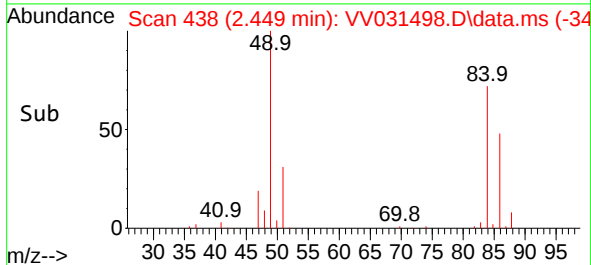
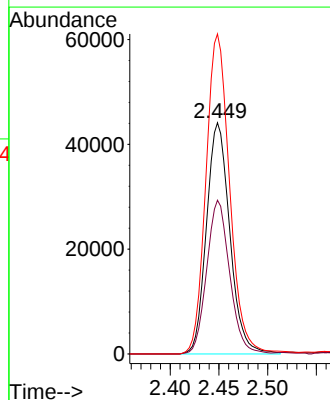
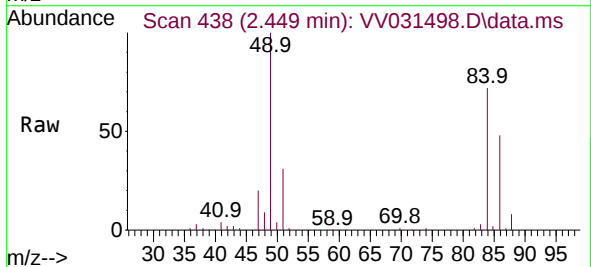
Instrument :
MSVOA_V
ClientSampleId :
VSTD050367

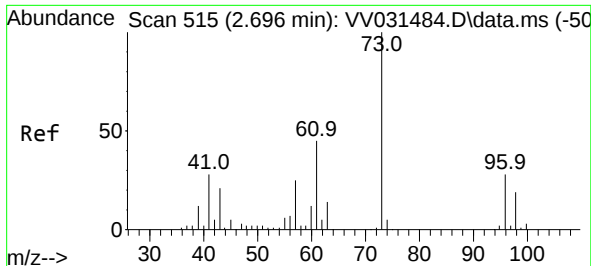
Tgt Ion: 43 Resp: 107270
Ion Ratio Lower Upper
43 100
74 21.5 16.0 24.0



#16
Methylene chloride
Concen: 54.357 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.000 min
Lab File: VV031498.D
Acq: 12 Jun 2023 09:37

Tgt Ion: 84 Resp: 73620
Ion Ratio Lower Upper
84 100
86 66.5 46.1 85.5
49 138.4 102.7 190.7

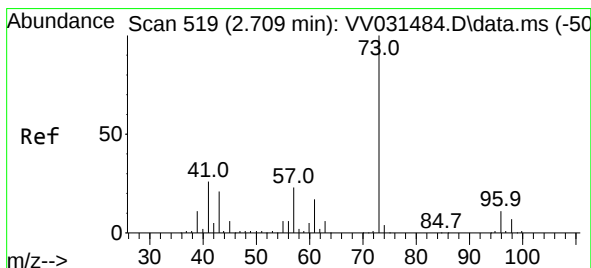
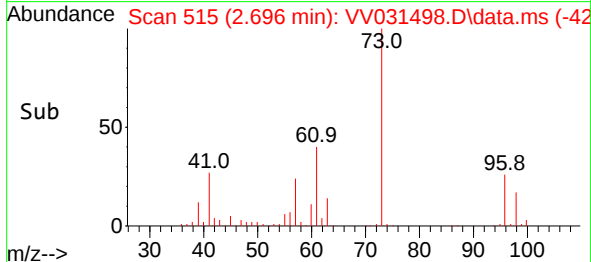
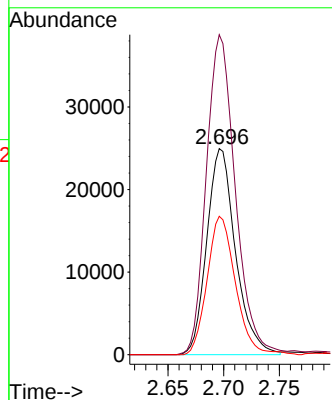
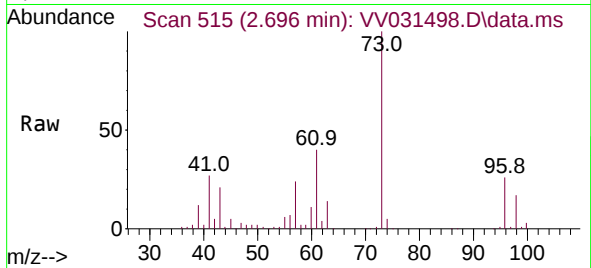




#17
trans-1,2-Dichloroethene
Concen: 52.691 ug/L
RT: 2.696 min Scan# 515
Delta R.T. 0.000 min
Lab File: VV031498.D
Acq: 12 Jun 2023 09:37

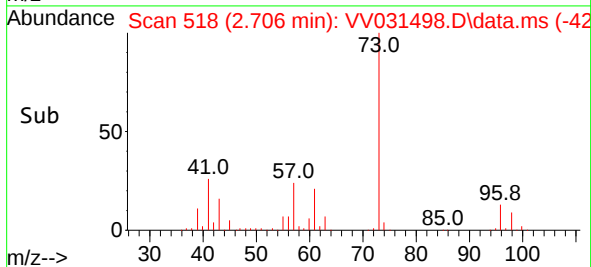
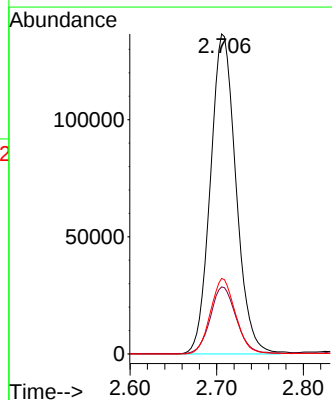
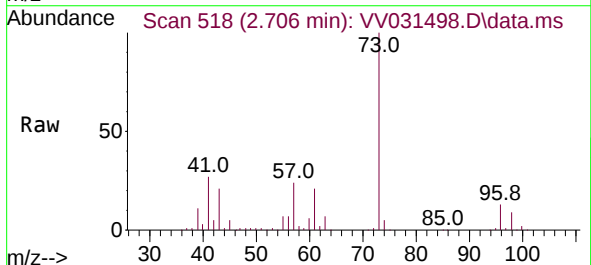
Instrument :
MSVOA_V
ClientSampleId :
VSTD050367

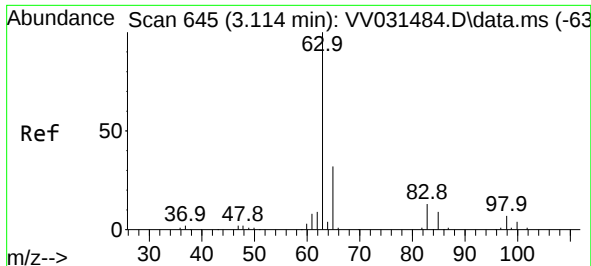
Tgt Ion: 96 Resp: 44823
Ion Ratio Lower Upper
96 100
61 155.3 106.9 198.5
98 67.1 44.9 83.3



#18
Methyl tert-butyl Ether
Concen: 53.557 ug/L
RT: 2.706 min Scan# 518
Delta R.T. -0.003 min
Lab File: VV031498.D
Acq: 12 Jun 2023 09:37

Tgt Ion: 73 Resp: 280043
Ion Ratio Lower Upper
73 100
43 20.9 16.6 25.0
57 23.0 18.6 28.0

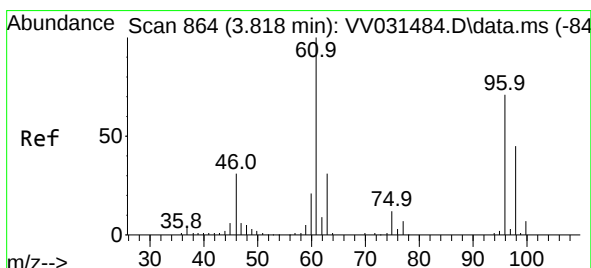
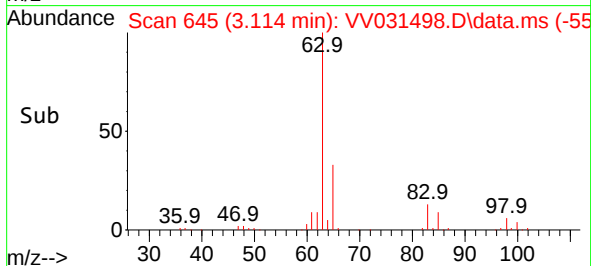
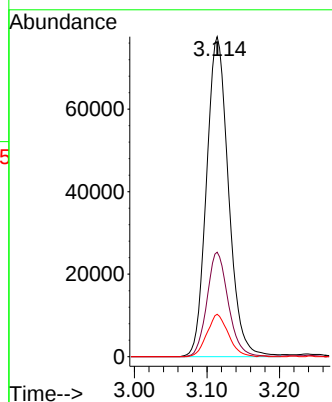
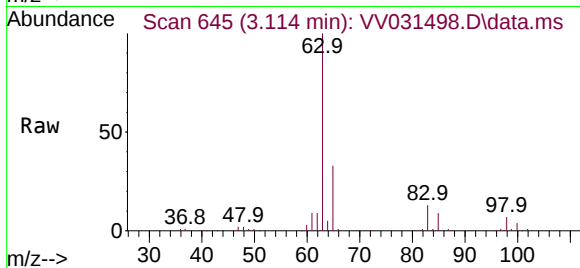




#19
1,1-Dichloroethane
Concen: 55.590 ug/L
RT: 3.114 min Scan# 645
Delta R.T. -0.000 min
Lab File: VV031498.D
Acq: 12 Jun 2023 09:37

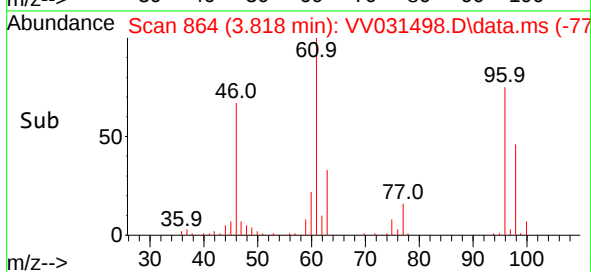
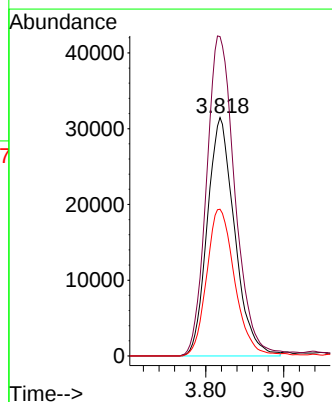
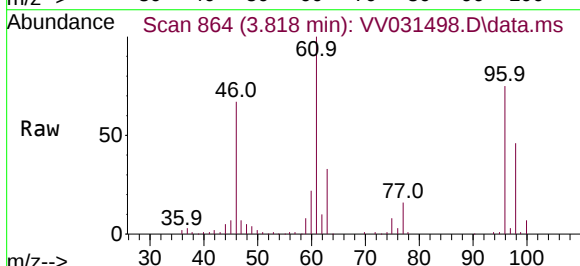
Instrument :
MSVOA_V
ClientSampleId :
VSTD050367

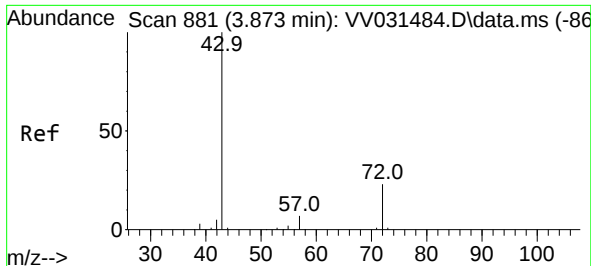
Tgt Ion: 63 Resp: 163578
Ion Ratio Lower Upper
63 100
65 32.6 21.4 39.8
83 13.3 9.3 17.3



#20
cis-1,2-Dichloroethene
Concen: 55.588 ug/L
RT: 3.818 min Scan# 864
Delta R.T. 0.000 min
Lab File: VV031498.D
Acq: 12 Jun 2023 09:37

Tgt Ion: 96 Resp: 76881
Ion Ratio Lower Upper
96 100
61 133.9 101.6 188.6
98 61.5 44.4 82.4

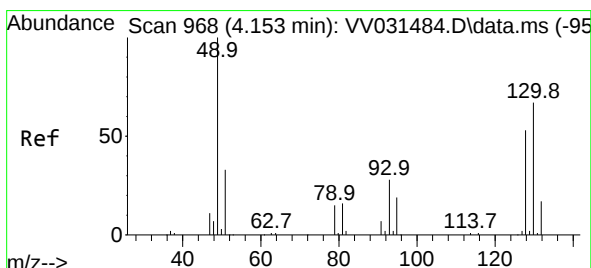
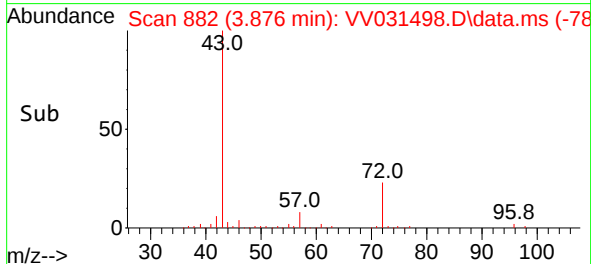
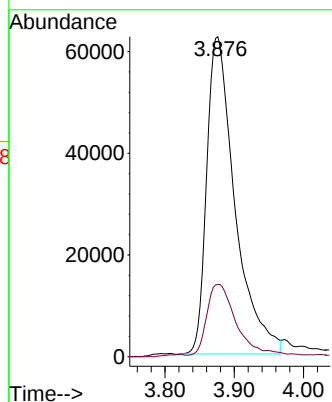
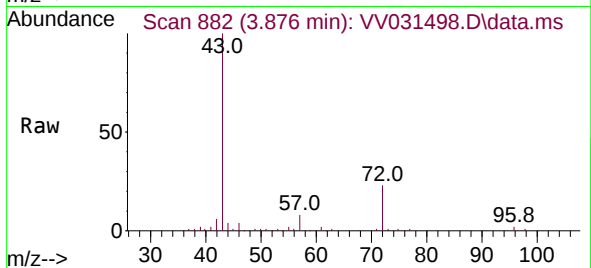




#22
2-Butanone
Concen: 112.468 ug/L
RT: 3.876 min Scan# 881
Delta R.T. 0.003 min
Lab File: VV031498.D
Acq: 12 Jun 2023 09:37

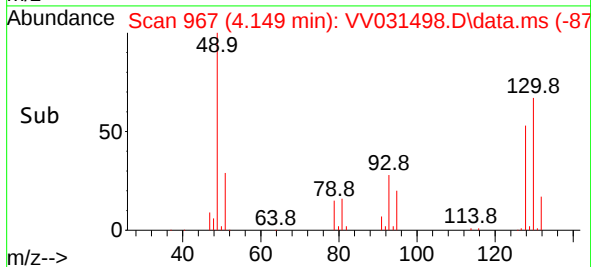
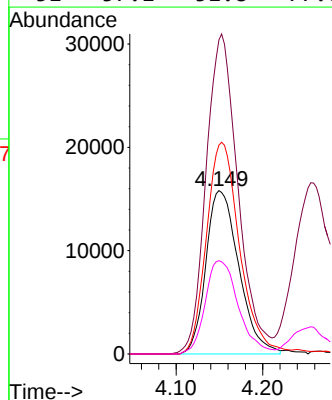
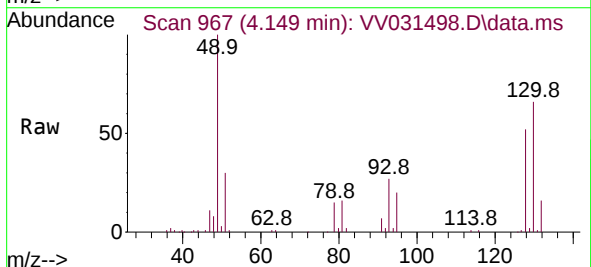
Instrument :
MSVOA_V
ClientSampleId :
VSTD050367

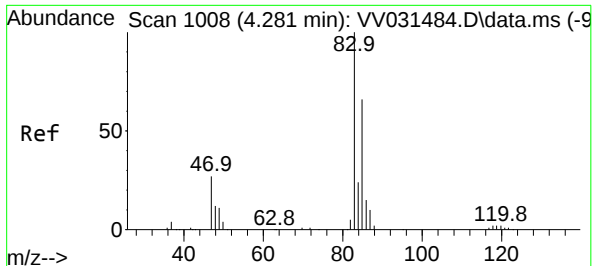
Tgt Ion: 43 Resp: 176841
Ion Ratio Lower Upper
43 100
72 22.2 10.4 31.4



#23
Bromochloromethane
Concen: 57.453 ug/L
RT: 4.149 min Scan# 967
Delta R.T. -0.003 min
Lab File: VV031498.D
Acq: 12 Jun 2023 09:37

Tgt Ion: 128 Resp: 41785
Ion Ratio Lower Upper
128 100
49 192.2 138.2 256.6
130 127.8 91.4 169.8
51 57.1 51.8 77.6





#25

Chloroform

Concen: 58.243 ug/L

RT: 4.278 min Scan# 10

Delta R.T. -0.003 min

Lab File: VV031498.D

Acq: 12 Jun 2023 09:37

Instrument :

MSVOA_V

ClientSampleId :

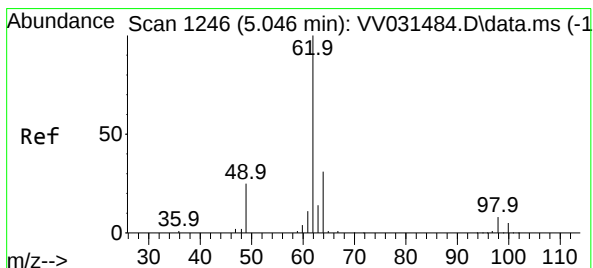
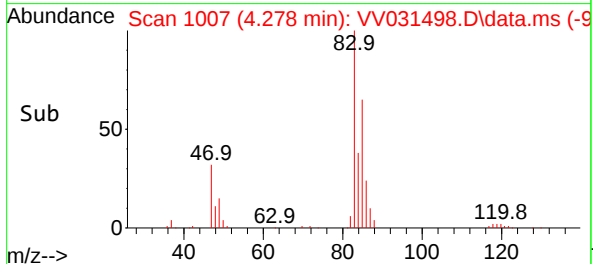
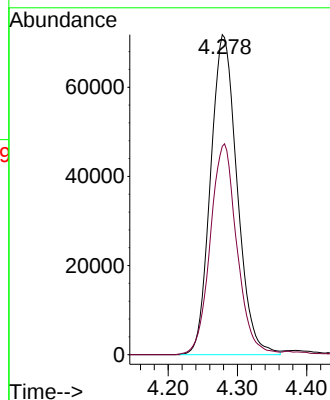
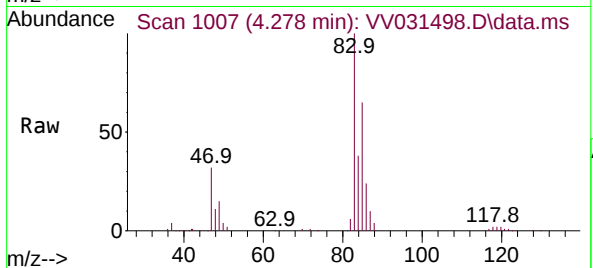
VSTD050367

Tgt Ion: 83 Resp: 191114

Ion Ratio Lower Upper

83 100

85 65.1 43.9 81.5



#27

1,2-Dichloroethane

Concen: 59.443 ug/L

RT: 5.043 min Scan# 1245

Delta R.T. -0.003 min

Lab File: VV031498.D

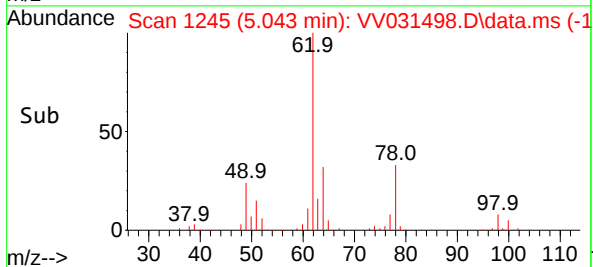
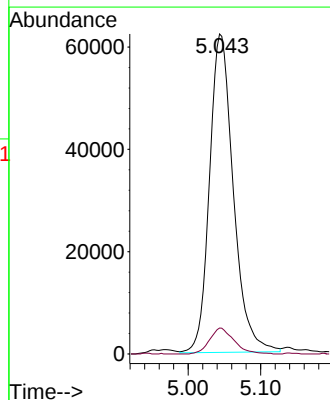
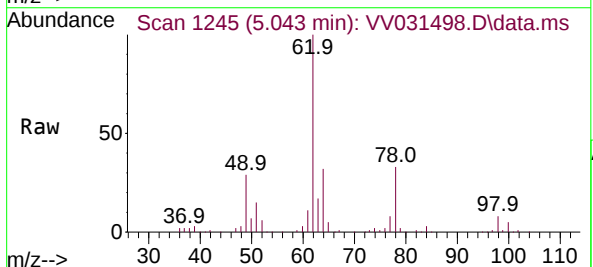
Acq: 12 Jun 2023 09:37

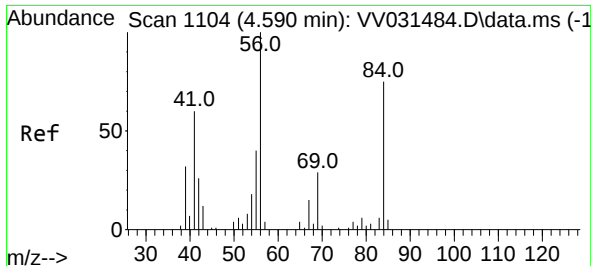
Tgt Ion: 62 Resp: 142425

Ion Ratio Lower Upper

62 100

98 8.1 6.2 9.4





#29

Cyclohexane

Concen: 47.791 ug/L

RT: 4.590 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VV031498.D

Acq: 12 Jun 2023 09:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD050367

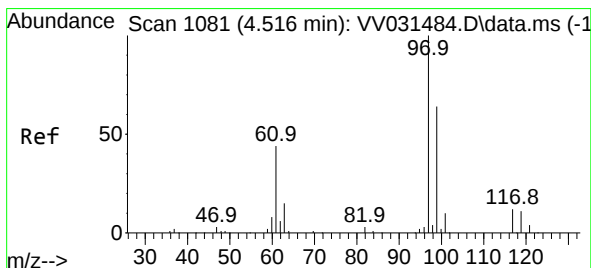
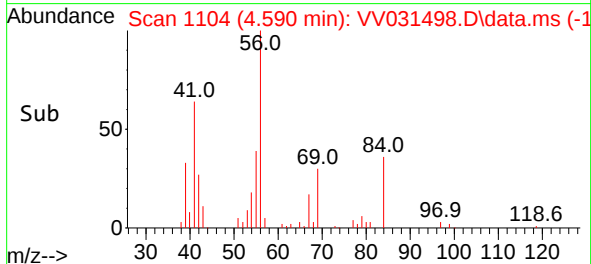
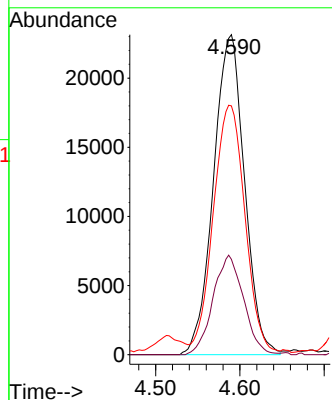
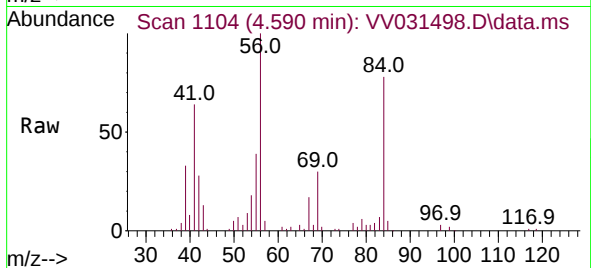
Tgt Ion: 56 Resp: 59172

Ion Ratio Lower Upper

56 100

69 30.5 23.5 35.3

84 79.0 61.3 91.9



#30

1,1,1-Trichloroethane

Concen: 56.284 ug/L

RT: 4.516 min Scan# 1081

Delta R.T. 0.000 min

Lab File: VV031498.D

Acq: 12 Jun 2023 09:37

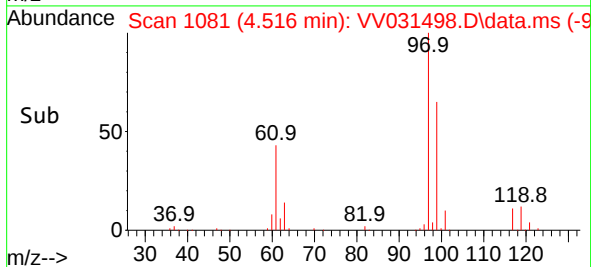
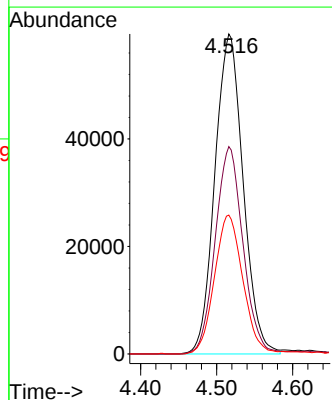
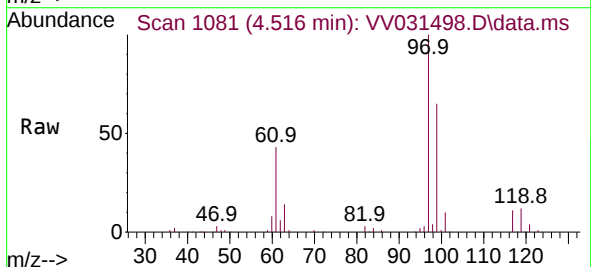
Tgt Ion: 97 Resp: 153590

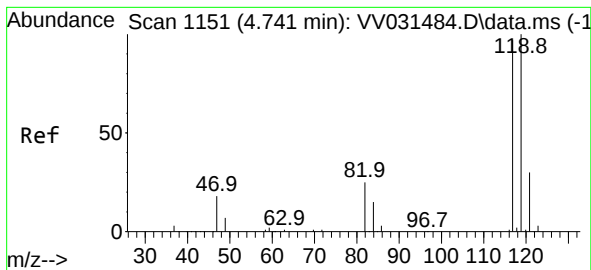
Ion Ratio Lower Upper

97 100

99 63.7 51.9 77.9

61 43.5 36.1 54.1





#31

Carbon tetrachloride

Concen: 55.326 ug/L

RT: 4.741 min Scan# 1151

Delta R.T. 0.000 min

Lab File: VV031498.D

Acq: 12 Jun 2023 09:37

Instrument :

MSVOA_V

ClientSampleId :

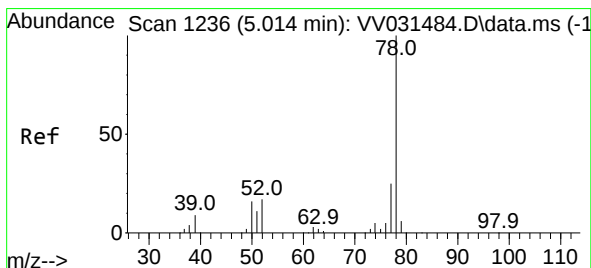
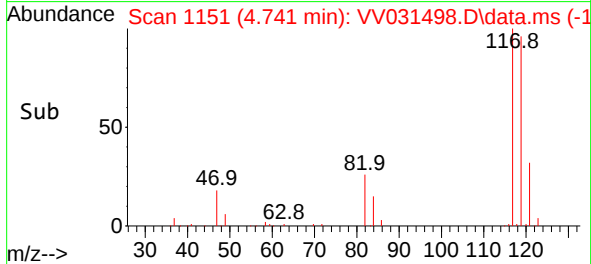
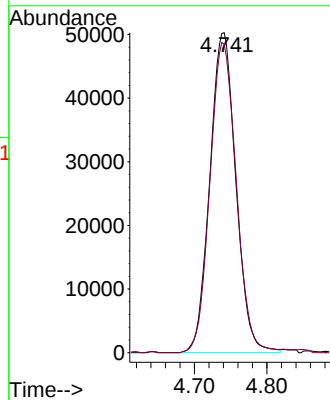
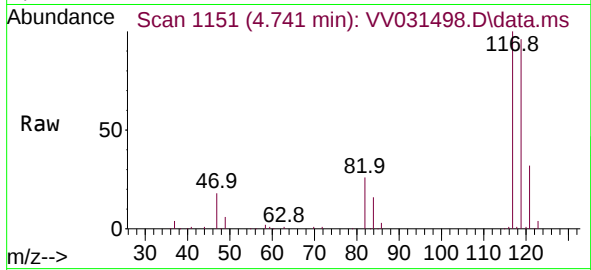
VSTD050367

Tgt Ion:117 Resp: 125416

Ion Ratio Lower Upper

117 100

119 97.8 75.8 113.6



#33

Benzene

Concen: 55.208 ug/L

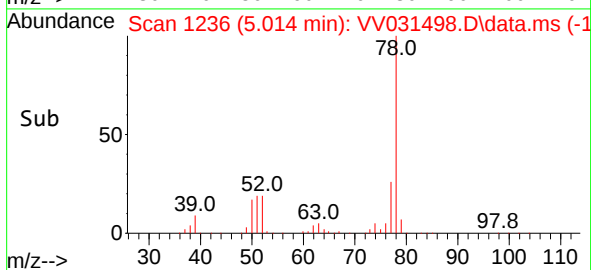
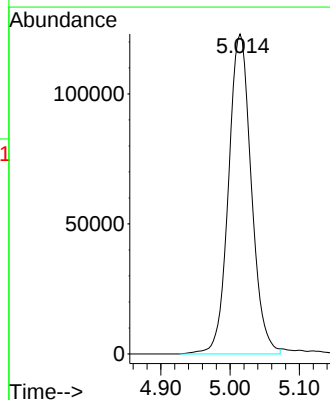
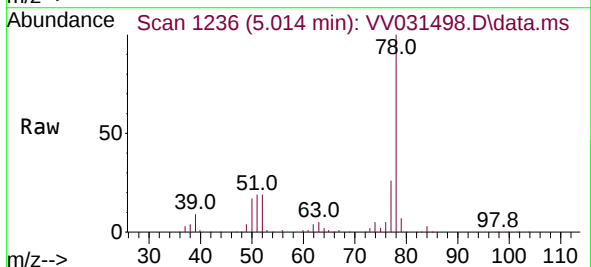
RT: 5.014 min Scan# 1236

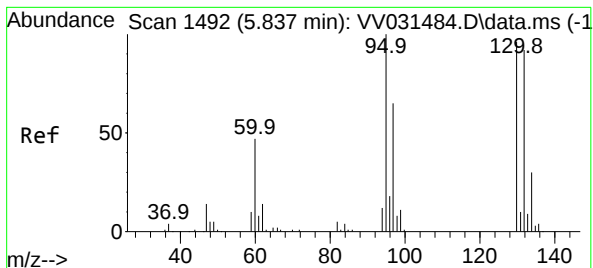
Delta R.T. 0.000 min

Lab File: VV031498.D

Acq: 12 Jun 2023 09:37

Tgt Ion: 78 Resp: 281615





#34

Trichloroethene

Concen: 57.798 ug/L

RT: 5.837 min Scan# 1492

Delta R.T. 0.000 min

Lab File: VV031498.D

Acq: 12 Jun 2023 09:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD050367

Tgt Ion: 95 Resp: 92886

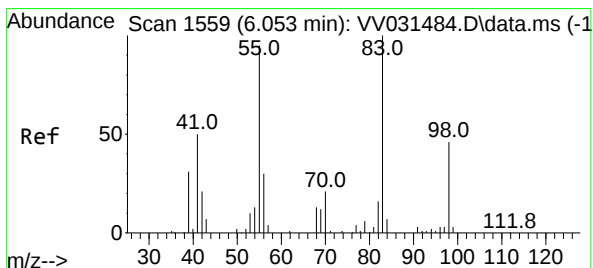
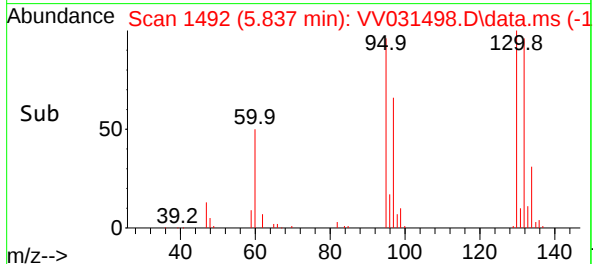
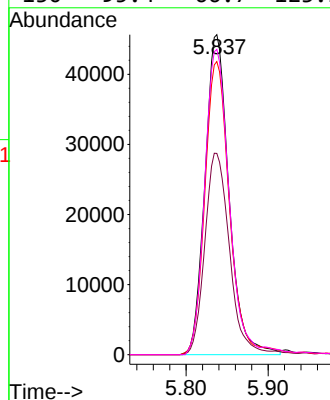
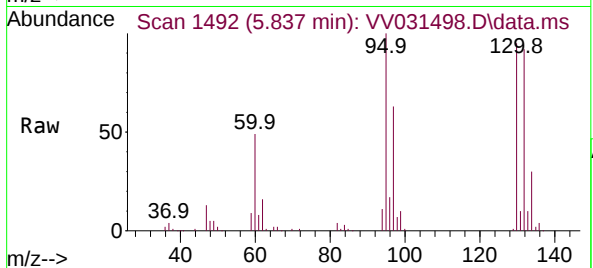
Ion Ratio Lower Upper

95 100

97 62.9 44.2 82.0

132 91.6 64.2 119.2

130 95.4 66.7 123.9



#35

Methylcyclohexane

Concen: 48.827 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. 0.000 min

Lab File: VV031498.D

Acq: 12 Jun 2023 09:37

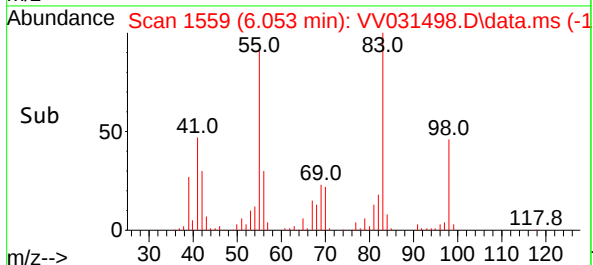
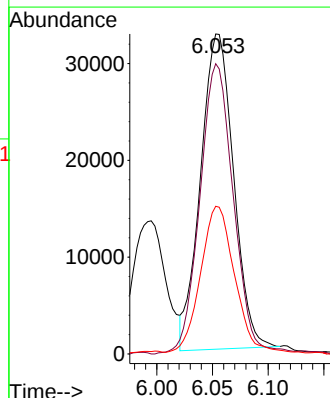
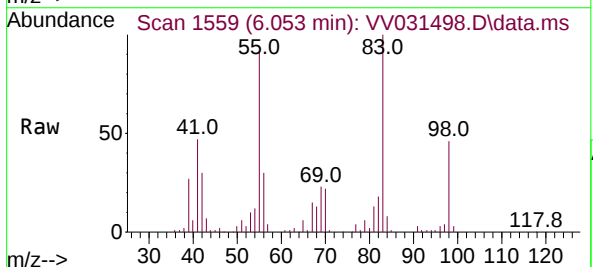
Tgt Ion: 83 Resp: 67112

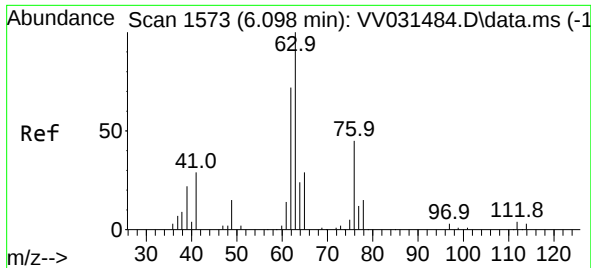
Ion Ratio Lower Upper

83 100

55 93.8 73.9 110.9

98 49.0 37.0 55.4

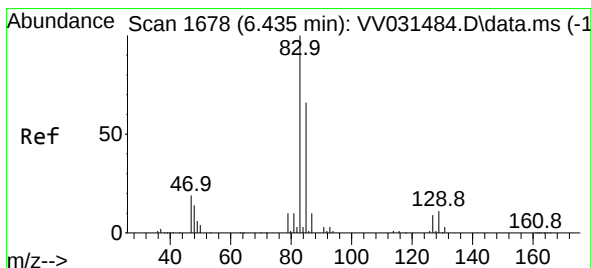
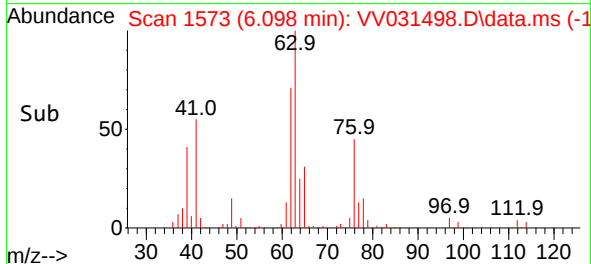
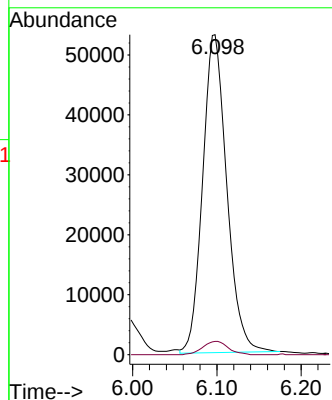
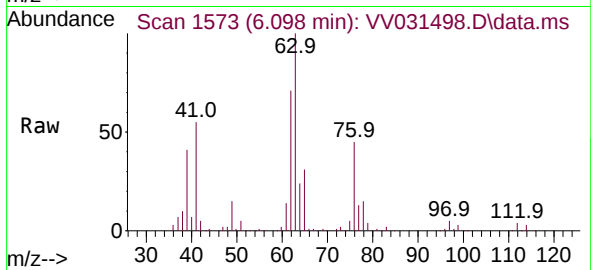




#37
1,2-Dichloropropane
Concen: 57.595 ug/L
RT: 6.098 min Scan# 1573
Delta R.T. 0.000 min
Lab File: VV031498.D
Acq: 12 Jun 2023 09:37

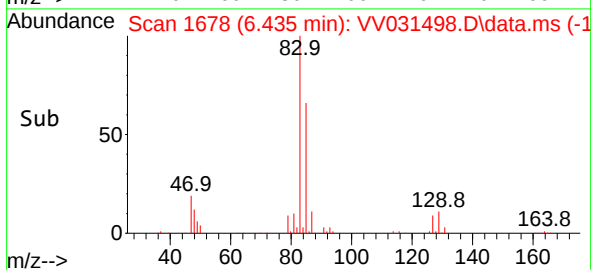
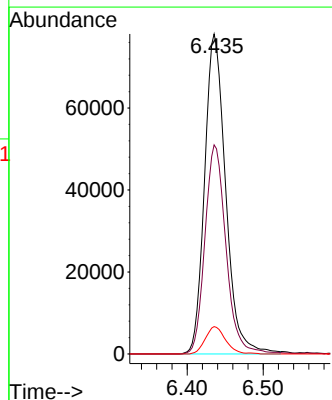
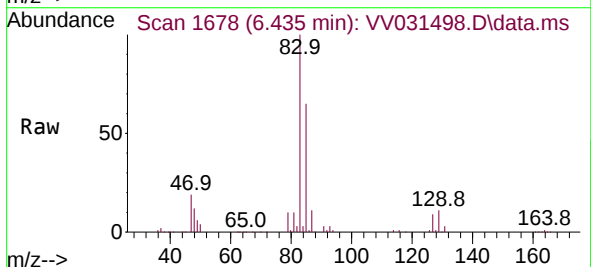
Instrument :
MSVOA_V
ClientSampleId :
VSTD050367

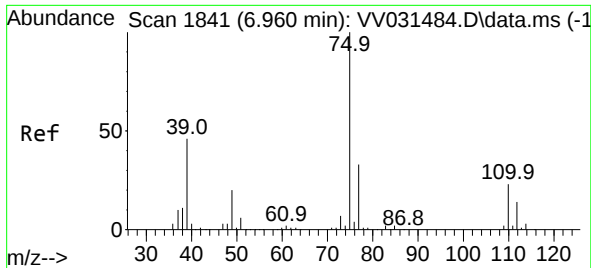
Tgt Ion: 63 Resp: 105747
Ion Ratio Lower Upper
63 100
112 4.4 3.3 4.9



#38
Bromodichloromethane
Concen: 56.051 ug/L
RT: 6.435 min Scan# 1678
Delta R.T. 0.000 min
Lab File: VV031498.D
Acq: 12 Jun 2023 09:37

Tgt Ion: 83 Resp: 150625
Ion Ratio Lower Upper
83 100
85 65.3 43.2 80.2
127 8.5 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 53.361 ug/L

RT: 6.956 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV031498.D

Acq: 12 Jun 2023 09:37

Instrument :

MSVOA_V

ClientSampleId :

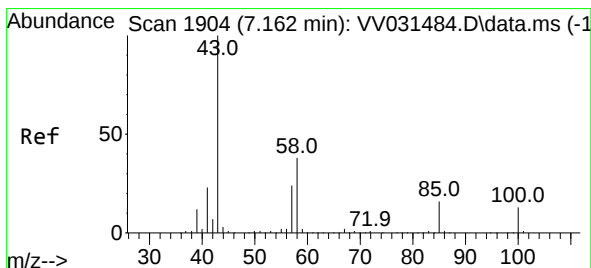
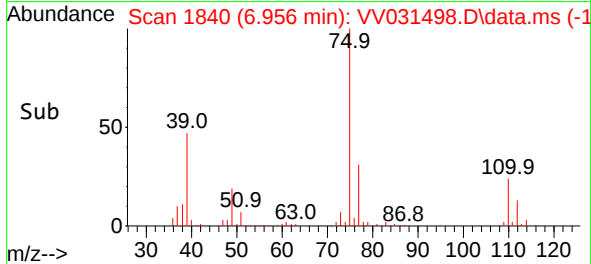
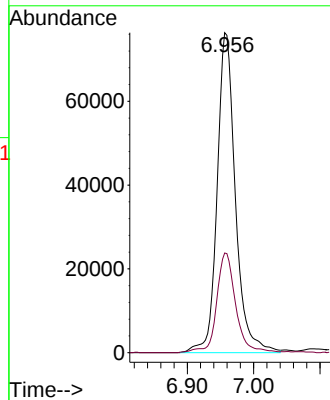
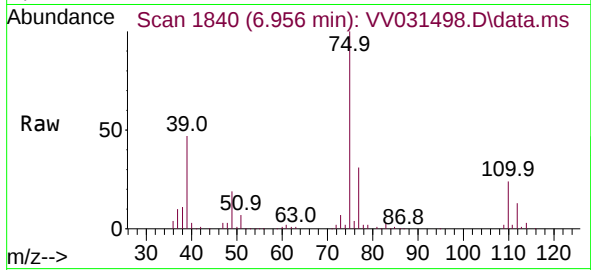
VSTD050367

Tgt Ion: 75 Resp: 146374

Ion Ratio Lower Upper

75 100

77 31.2 23.2 43.2



#40

4-Methyl-2-pentanone

Concen: 116.280 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VV031498.D

Acq: 12 Jun 2023 09:37

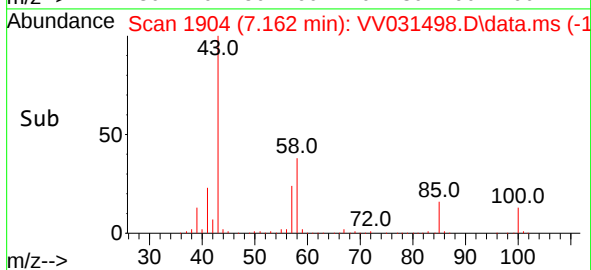
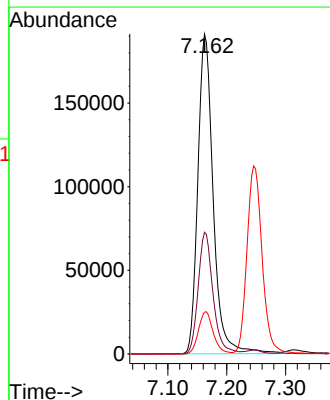
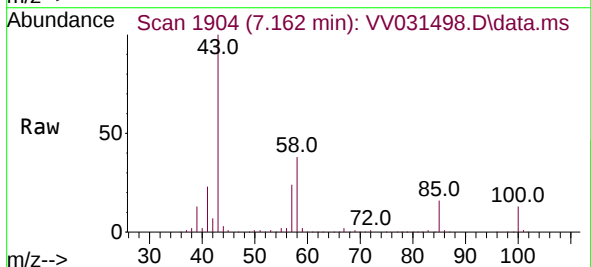
Tgt Ion: 43 Resp: 346814

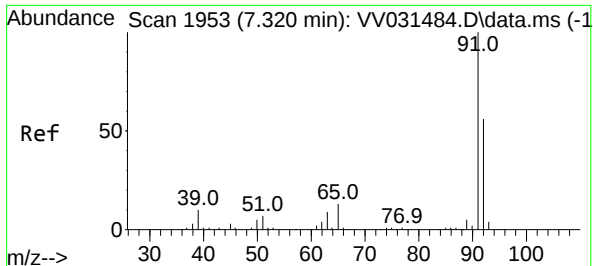
Ion Ratio Lower Upper

43 100

58 36.7 29.9 44.9

100 12.7 10.3 15.5





#42

Toluene

Concen: 57.261 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VV031498.D

Acq: 12 Jun 2023 09:37

Instrument :

MSVOA_V

ClientSampleId :

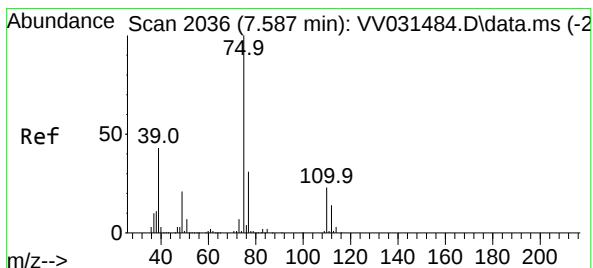
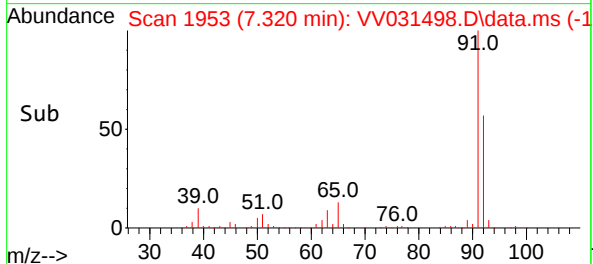
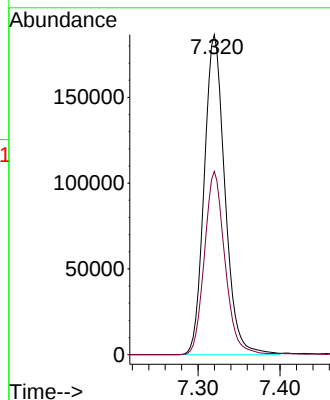
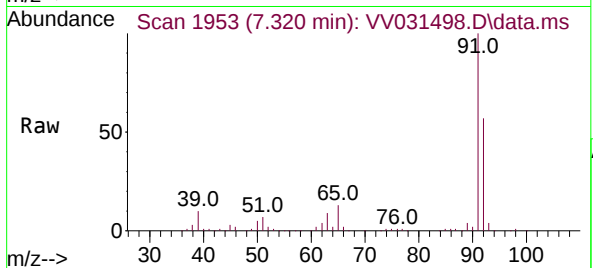
VSTD050367

Tgt Ion: 91 Resp: 326934

Ion Ratio Lower Upper

91 100

92 57.3 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 57.055 ug/L

RT: 7.583 min Scan# 2035

Delta R.T. -0.003 min

Lab File: VV031498.D

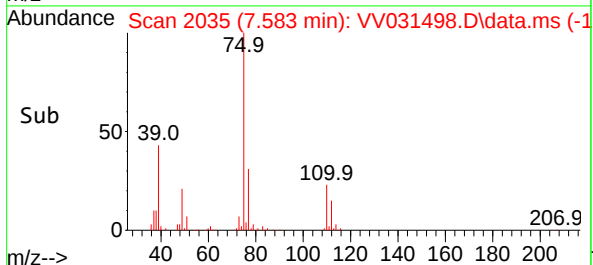
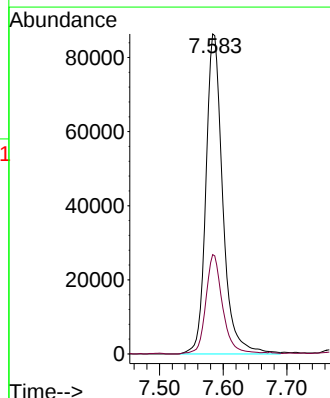
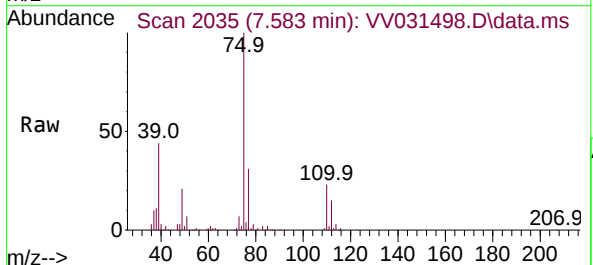
Acq: 12 Jun 2023 09:37

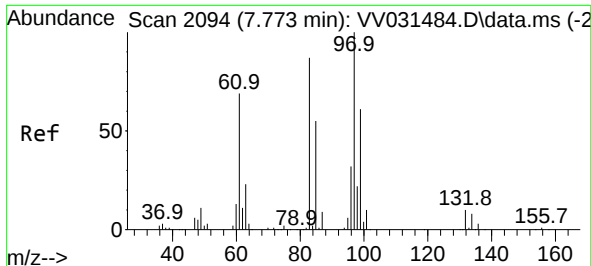
Tgt Ion: 75 Resp: 158744

Ion Ratio Lower Upper

75 100

77 31.0 22.2 41.2



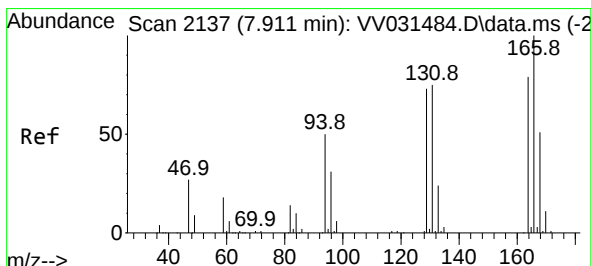
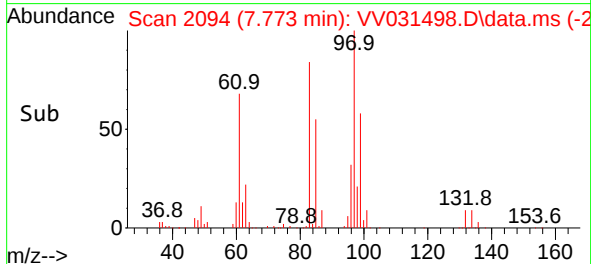
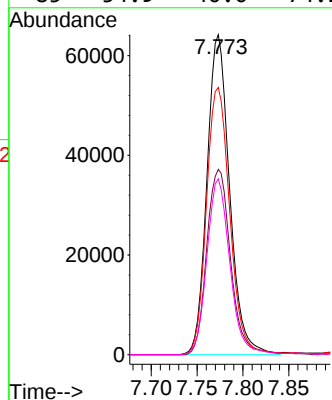
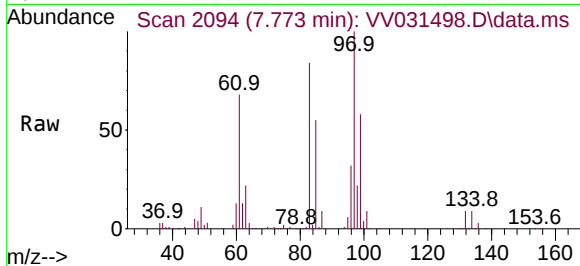


#45
1,1,2-Trichloroethane
Concen: 58.111 ug/L
RT: 7.773 min Scan# 2094
Delta R.T. 0.000 min
Lab File: VV031498.D
Acq: 12 Jun 2023 09:37

Instrument :
MSVOA_V
ClientSampleId :
VSTD050367

Tgt Ion: 97 Resp: 110283

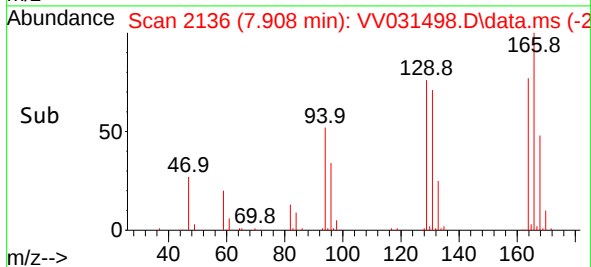
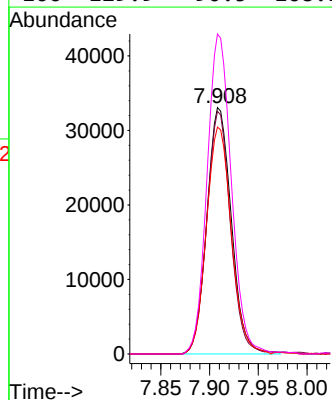
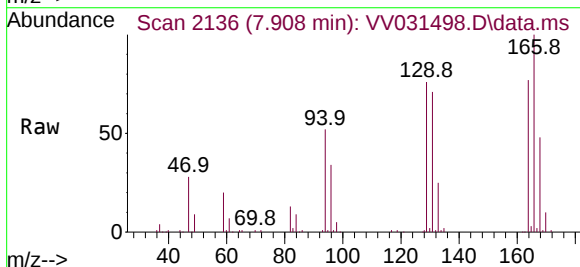
Ion	Ratio	Lower	Upper
97	100		
99	57.9	43.8	81.4
83	83.5	61.9	115.1
85	54.9	40.0	74.2

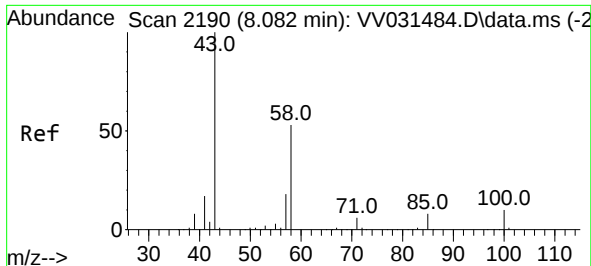


#46
Tetrachloroethene
Concen: 55.526 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. -0.003 min
Lab File: VV031498.D
Acq: 12 Jun 2023 09:37

Tgt Ion: 164 Resp: 57930

Ion	Ratio	Lower	Upper
164	100		
129	98.5	68.0	126.4
131	92.1	65.5	121.7
166	129.9	90.5	168.1

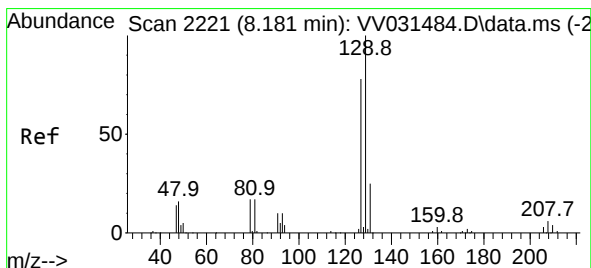
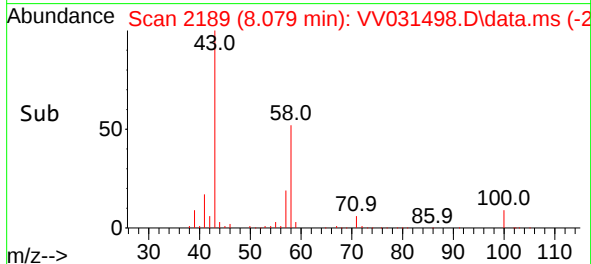
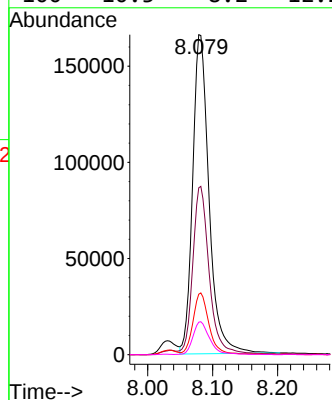
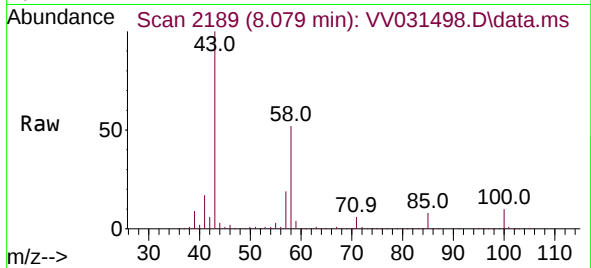




#48
2-Hexanone
Concen: 125.124 ug/L
RT: 8.079 min Scan# 2190
Delta R.T. -0.003 min
Lab File: VV031498.D
Acq: 12 Jun 2023 09:37

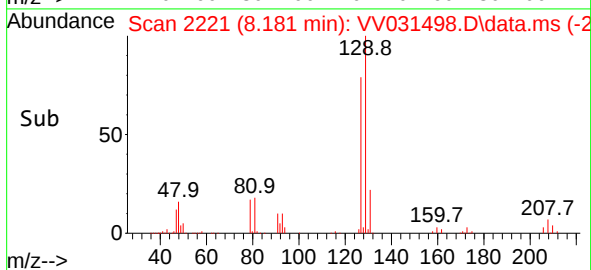
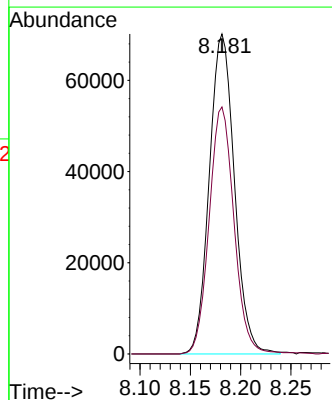
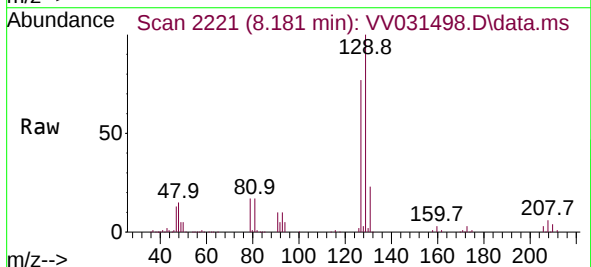
Instrument :
MSVOA_V
ClientSampleId :
VSTD050367

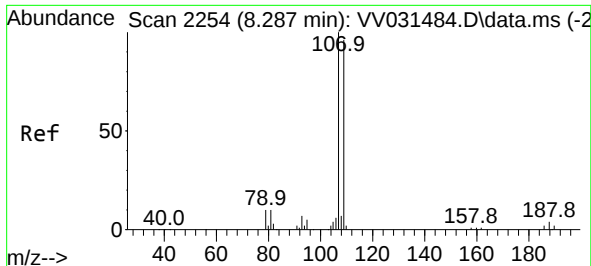
Tgt Ion: 43 Resp: 292114
Ion Ratio Lower Upper
43 100
58 51.3 42.9 64.3
57 17.8 14.6 22.0
100 10.3 8.2 12.2



#49
Dibromochloromethane
Concen: 58.933 ug/L
RT: 8.181 min Scan# 2221
Delta R.T. 0.000 min
Lab File: VV031498.D
Acq: 12 Jun 2023 09:37

Tgt Ion: 129 Resp: 122004
Ion Ratio Lower Upper
129 100
127 77.2 55.5 103.1





#50

1,2-Dibromoethane

Concen: 56.729 ug/L

RT: 8.287 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV031498.D

Acq: 12 Jun 2023 09:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD050367

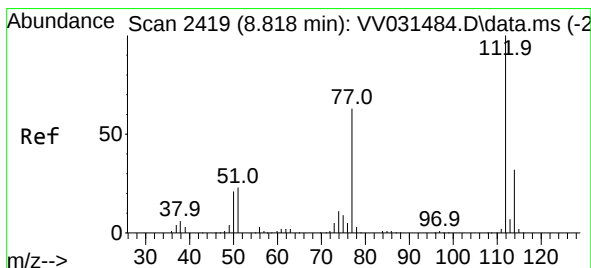
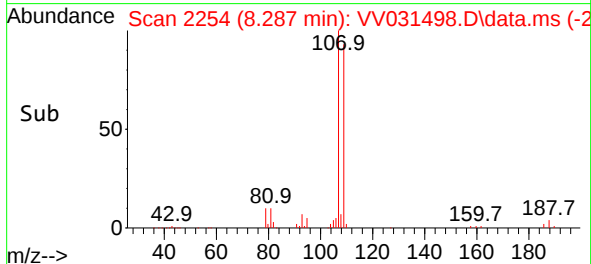
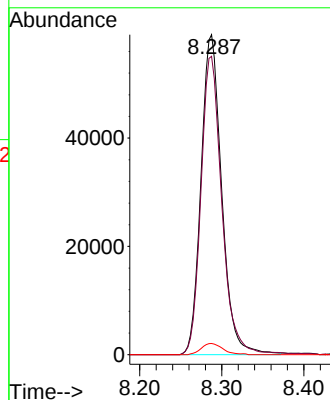
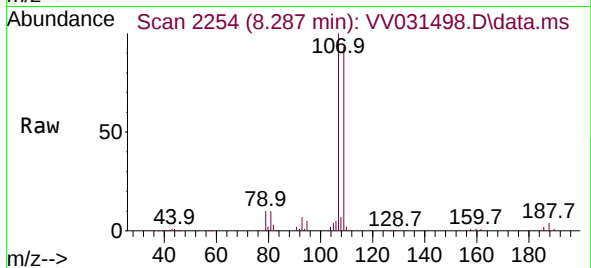
Tgt Ion:107 Resp: 103647

Ion Ratio Lower Upper

107 100

109 93.2 64.1 119.1

188 3.5 3.3 4.9



#51

Chlorobenzene

Concen: 55.194 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. -0.000 min

Lab File: VV031498.D

Acq: 12 Jun 2023 09:37

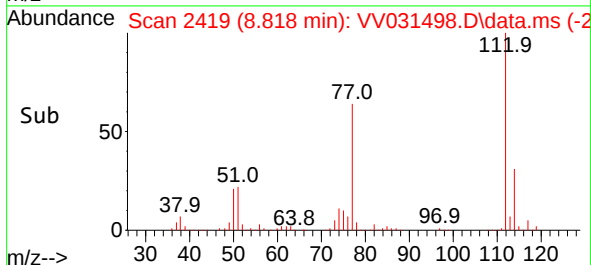
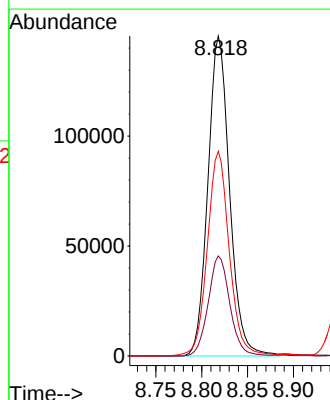
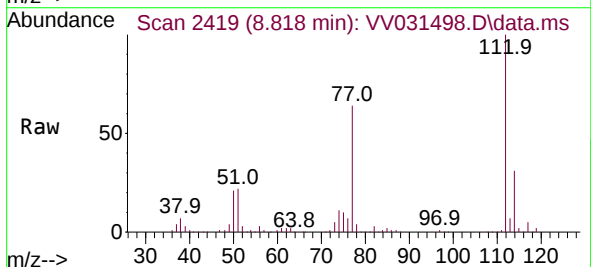
Tgt Ion:112 Resp: 239615

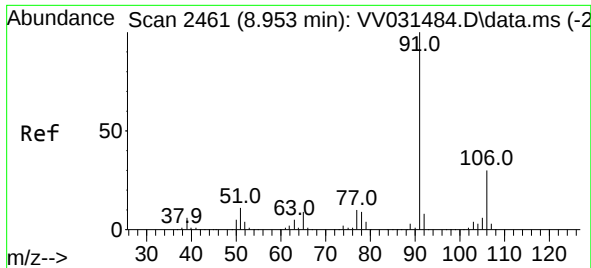
Ion Ratio Lower Upper

112 100

114 31.3 22.4 41.6

77 63.9 52.4 78.6

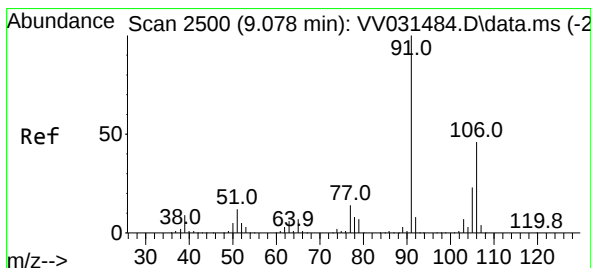
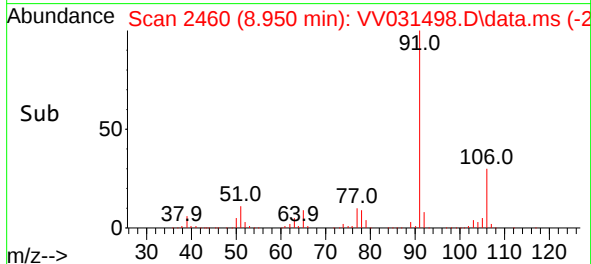
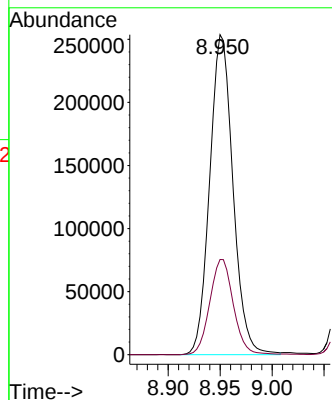
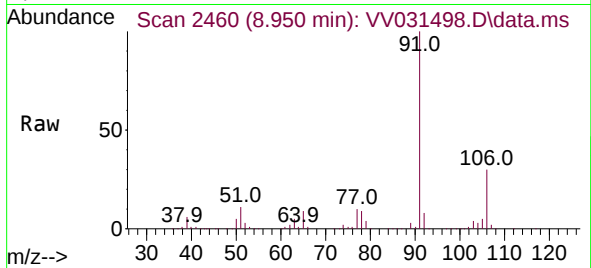




#52
Ethylbenzene
Concen: 55.594 ug/L
RT: 8.950 min Scan# 2461
Delta R.T. -0.003 min
Lab File: VV031498.D
Acq: 12 Jun 2023 09:37

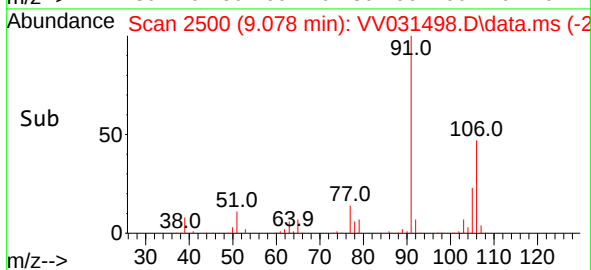
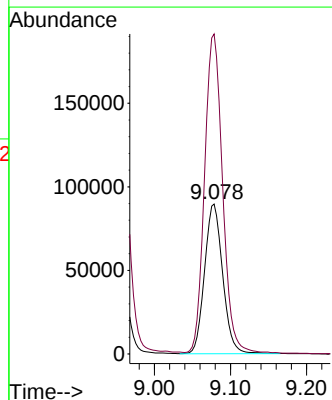
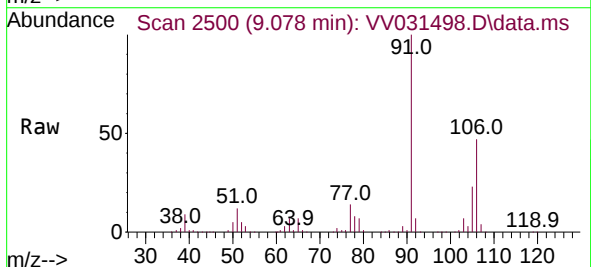
Instrument :
MSVOA_V
ClientSampleId :
VSTD050367

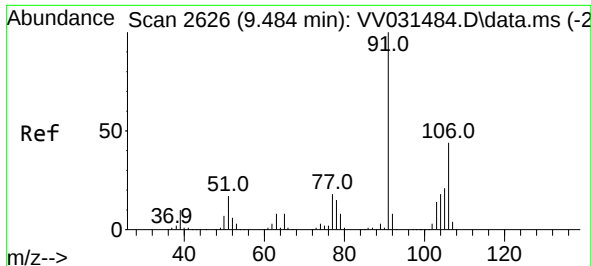
Tgt Ion: 91 Resp: 395038
Ion Ratio Lower Upper
91 100
106 29.8 20.4 38.0



#53
m,p-Xylene
Concen: 58.001 ug/L
RT: 9.078 min Scan# 2500
Delta R.T. 0.000 min
Lab File: VV031498.D
Acq: 12 Jun 2023 09:37

Tgt Ion: 106 Resp: 148522
Ion Ratio Lower Upper
106 100
91 213.5 149.4 277.5

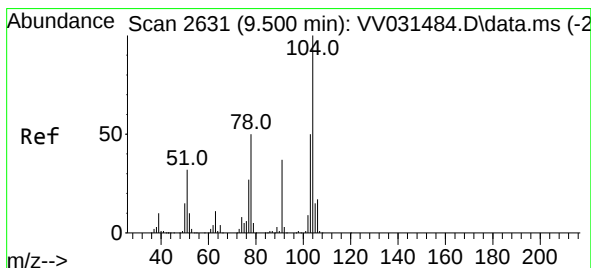
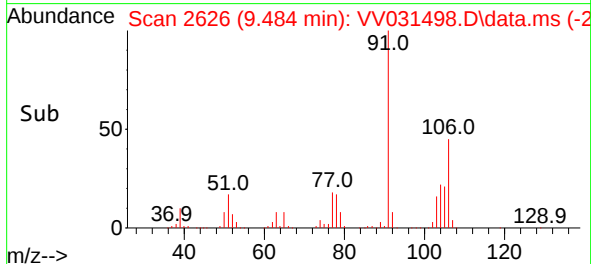
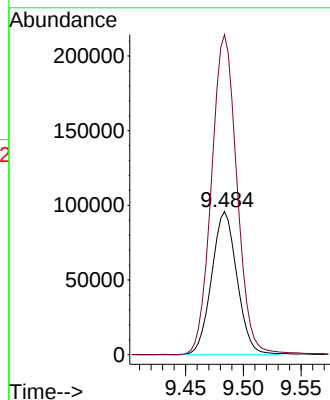
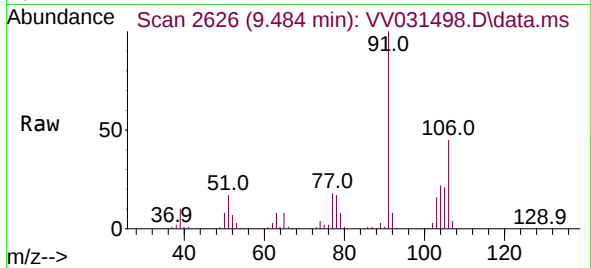




#54
o-Xylene
Concen: 56.752 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VV031498.D
Acq: 12 Jun 2023 09:37

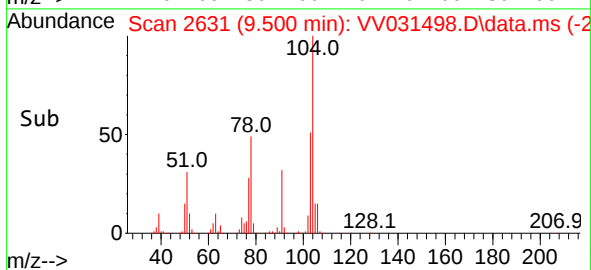
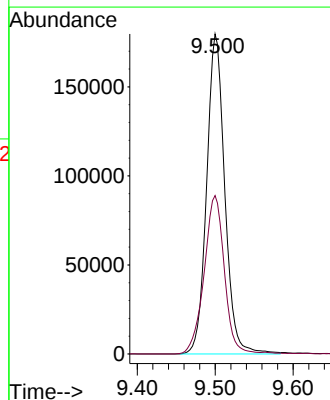
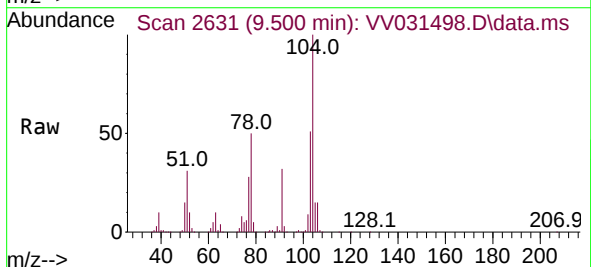
Instrument :
MSVOA_V
ClientSampleId :
VSTD050367

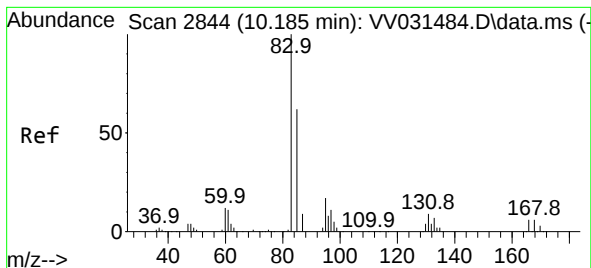
Tgt Ion:106 Resp: 146600
Ion Ratio Lower Upper
106 100
91 223.4 163.8 304.2



#55
Styrene
Concen: 61.657 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.000 min
Lab File: VV031498.D
Acq: 12 Jun 2023 09:37

Tgt Ion:104 Resp: 290374
Ion Ratio Lower Upper
104 100
78 49.5 35.9 66.7





#57

1,1,2,2-Tetrachloroethane

Concen: 52.541 ug/L

RT: 10.181 min Scan# 2843

Delta R.T. -0.003 min

Lab File: VV031498.D

Acq: 12 Jun 2023 09:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD050367

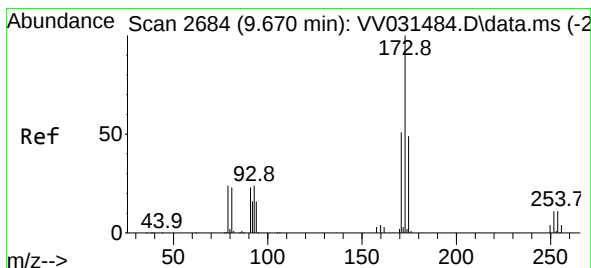
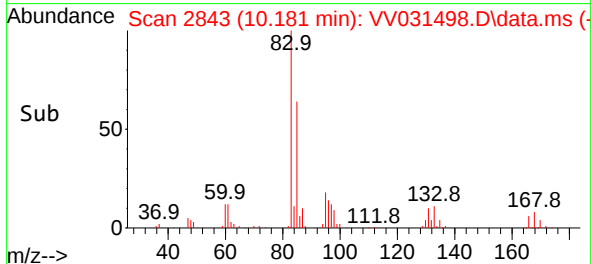
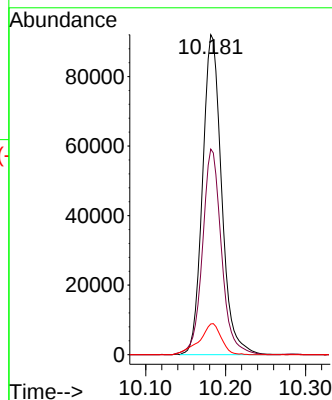
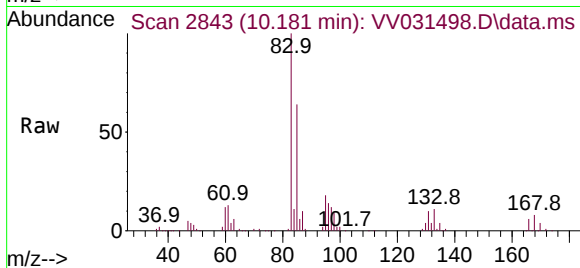
Tgt Ion: 83 Resp: 152851

Ion Ratio Lower Upper

83 100

85 64.3 43.7 81.1

131 9.6 7.3 10.9



#59

Bromoform

Concen: 52.050 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. 0.000 min

Lab File: VV031498.D

Acq: 12 Jun 2023 09:37

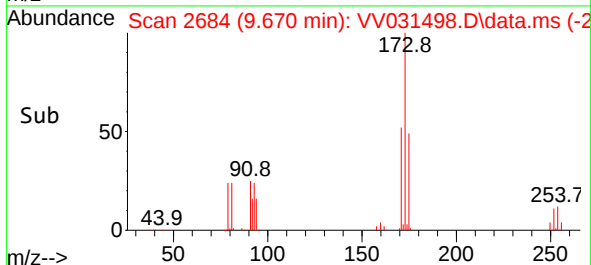
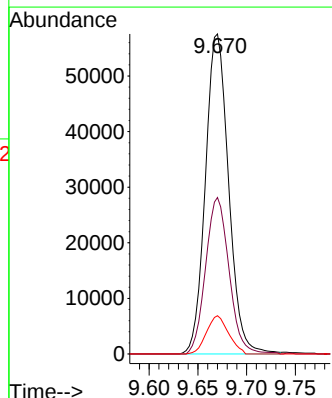
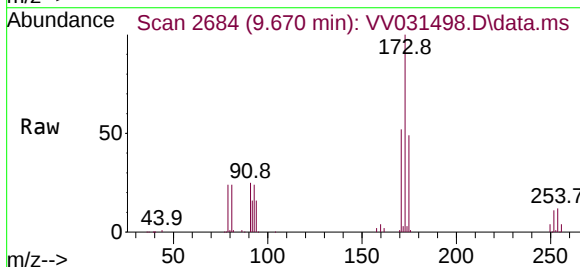
Tgt Ion: 173 Resp: 95573

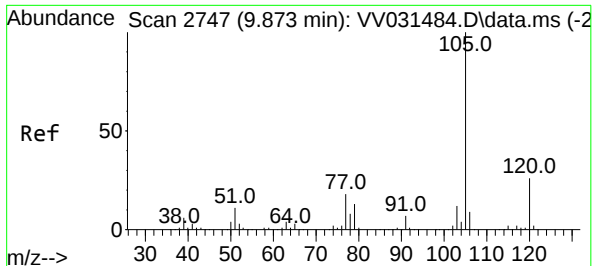
Ion Ratio Lower Upper

173 100

175 49.2 38.8 58.2

254 11.3 8.7 13.1

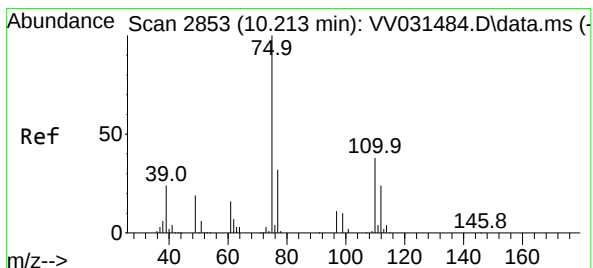
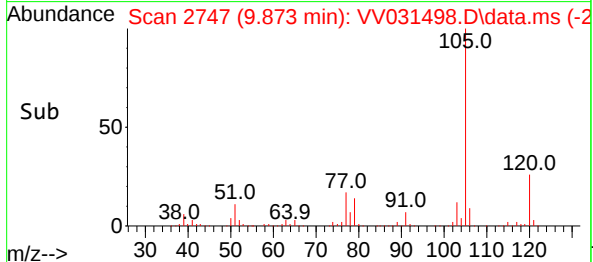
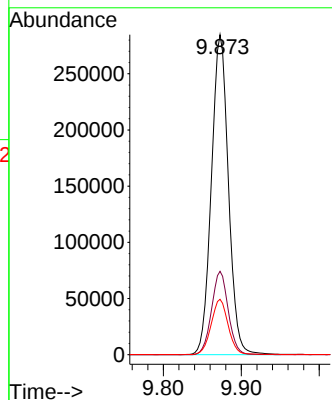
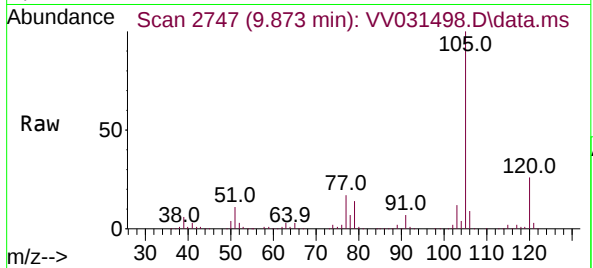




#60
Isopropylbenzene
Concen: 52.898 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031498.D
Acq: 12 Jun 2023 09:37

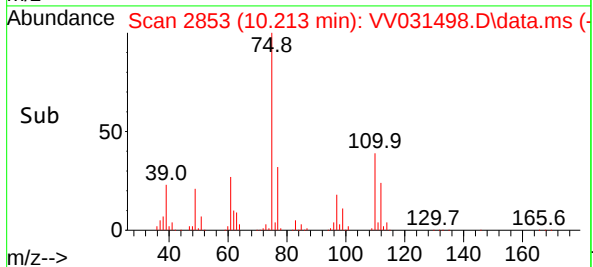
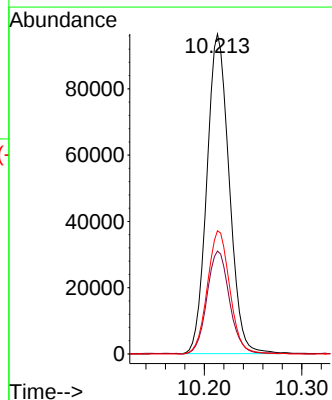
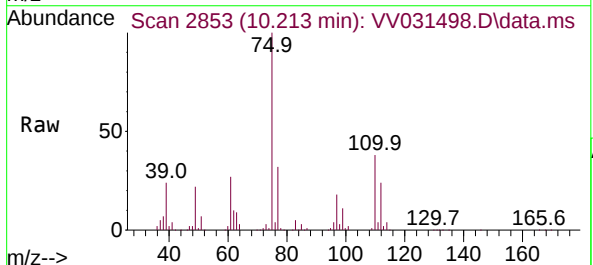
Instrument :
MSVOA_V
ClientSampleId :
VSTD050367

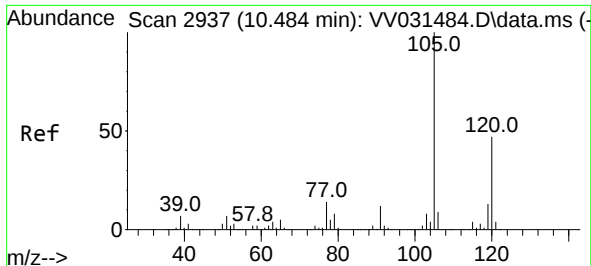
Tgt Ion:105 Resp: 433159
Ion Ratio Lower Upper
105 100
120 25.5 20.6 30.8
77 17.3 13.8 20.8



#61
1,2,3-Trichloropropane
Concen: 52.886 ug/L
RT: 10.213 min Scan# 2853
Delta R.T. 0.000 min
Lab File: VV031498.D
Acq: 12 Jun 2023 09:37

Tgt Ion: 75 Resp: 153417
Ion Ratio Lower Upper
75 100
77 32.5 25.6 38.4
110 38.7 29.5 44.3

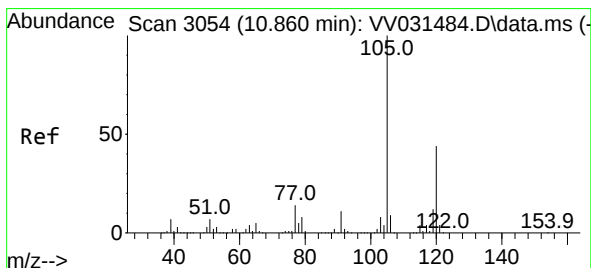
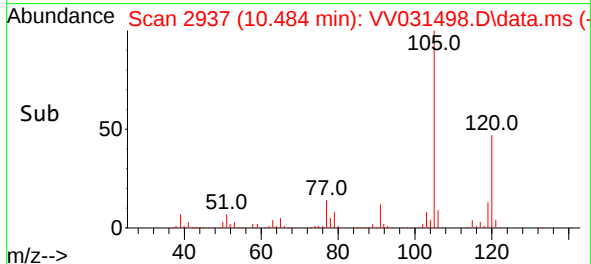
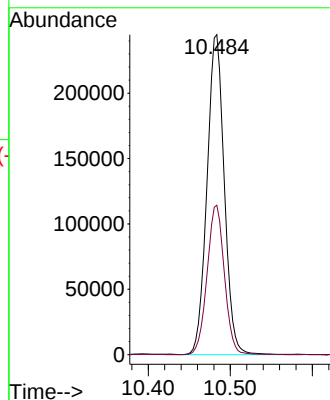
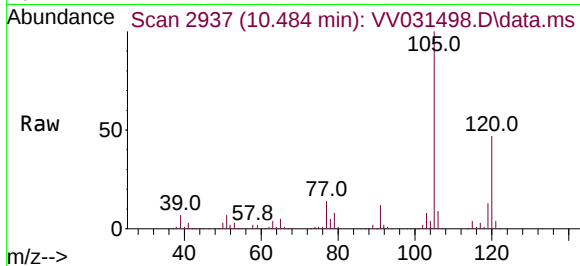




#62
1,3,5-Trimethylbenzene
Concen: 52.925 ug/L
RT: 10.484 min Scan# 2937
Delta R.T. 0.000 min
Lab File: VV031498.D
Acq: 12 Jun 2023 09:37

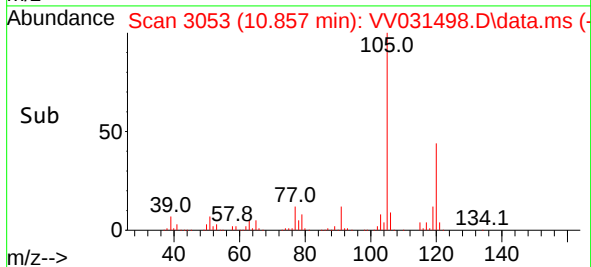
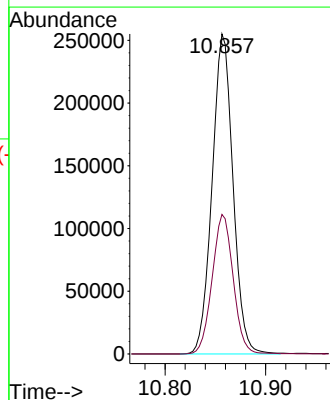
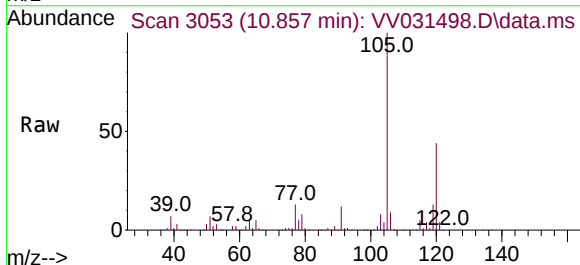
Instrument :
MSVOA_V
ClientSampleId :
VSTD050367

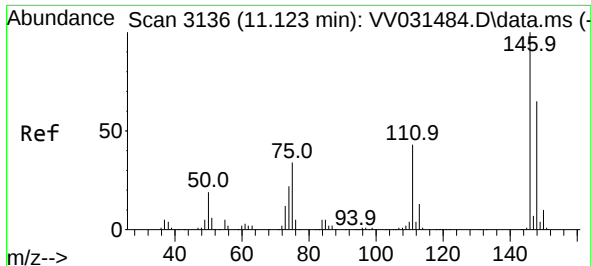
Tgt Ion:105 Resp: 357916
Ion Ratio Lower Upper
105 100
120 46.8 36.8 55.2



#63
1,2,4-Trimethylbenzene
Concen: 54.359 ug/L
RT: 10.857 min Scan# 3053
Delta R.T. -0.003 min
Lab File: VV031498.D
Acq: 12 Jun 2023 09:37

Tgt Ion:105 Resp: 367963
Ion Ratio Lower Upper
105 100
120 43.9 35.0 52.4

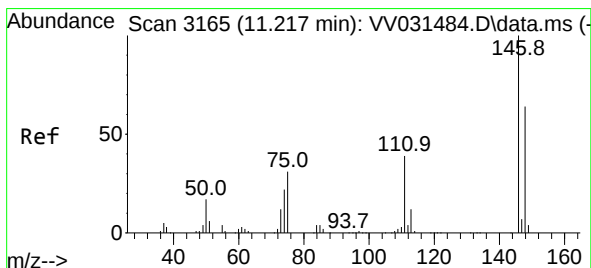
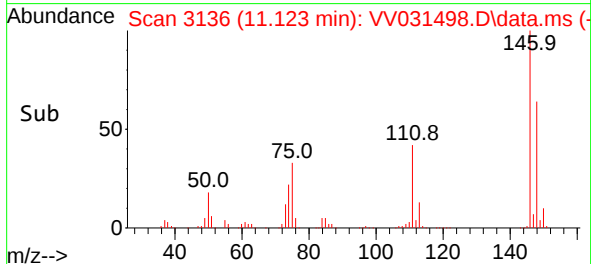
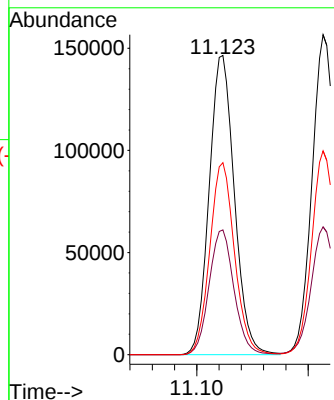
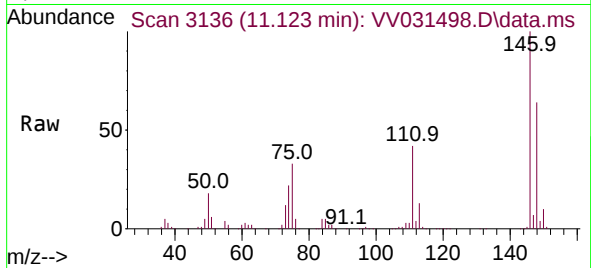




#64
1,3-Dichlorobenzene
Concen: 54.911 ug/L
RT: 11.123 min Scan# 3136
Delta R.T. 0.000 min
Lab File: VV031498.D
Acq: 12 Jun 2023 09:37

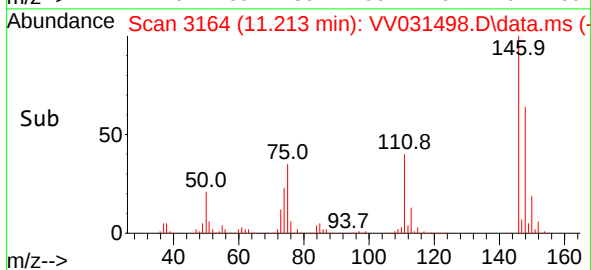
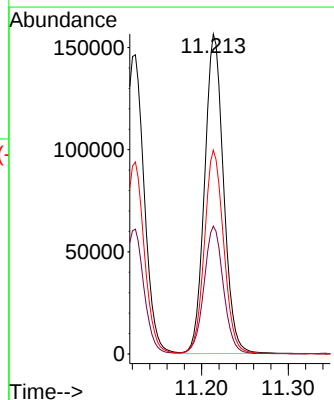
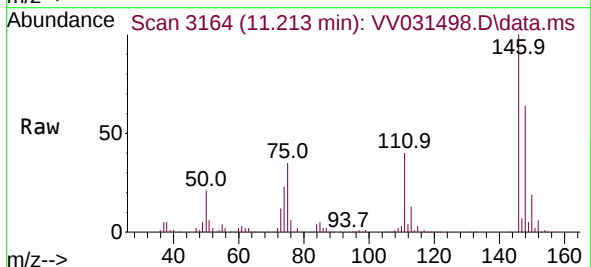
Instrument :
MSVOA_V
ClientSampleId :
VSTD050367

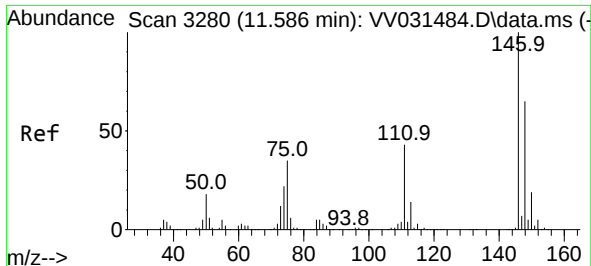
Tgt Ion:146 Resp: 230153
Ion Ratio Lower Upper
146 100
111 41.7 29.3 54.5
148 64.2 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 53.606 ug/L
RT: 11.213 min Scan# 3164
Delta R.T. -0.003 min
Lab File: VV031498.D
Acq: 12 Jun 2023 09:37

Tgt Ion:146 Resp: 237652
Ion Ratio Lower Upper
146 100
111 40.0 28.1 52.3
148 63.7 45.1 83.7

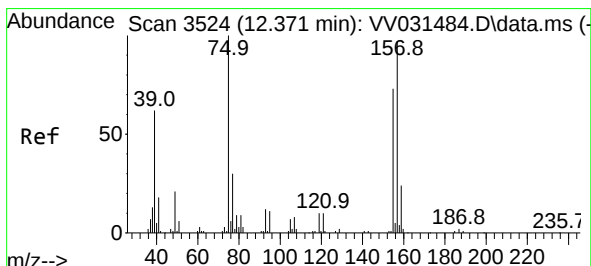
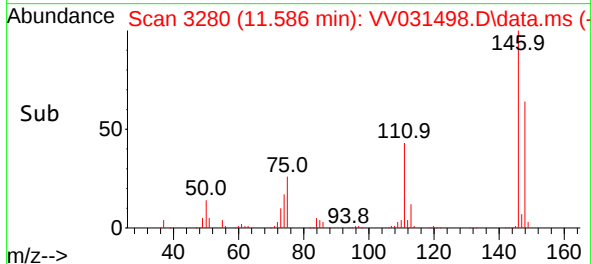
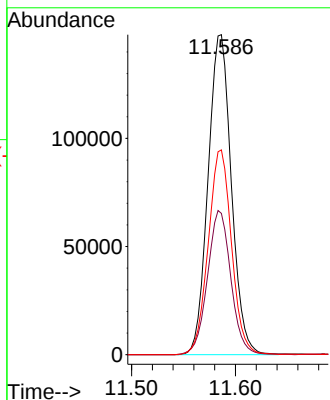
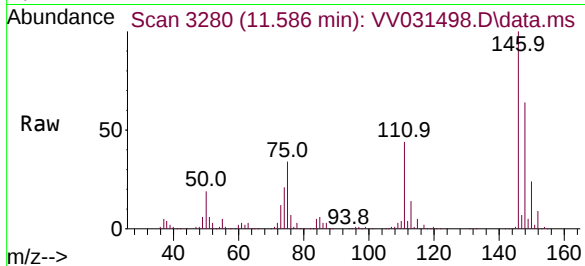




#67
1,2-Dichlorobenzene
Concen: 53.717 ug/L
RT: 11.586 min Scan# 311
Delta R.T. 0.000 min
Lab File: VV031498.D
Acq: 12 Jun 2023 09:37

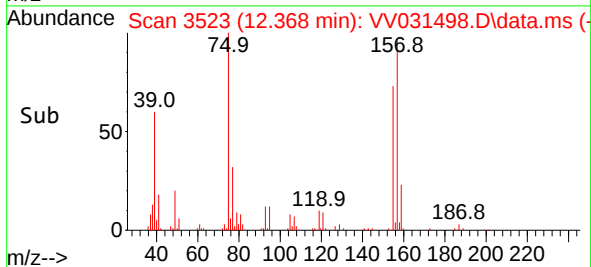
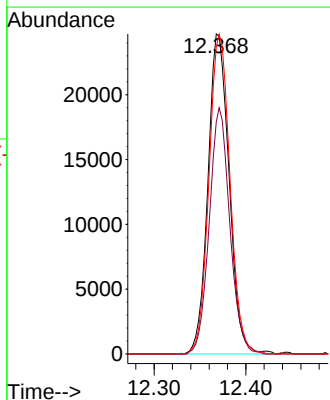
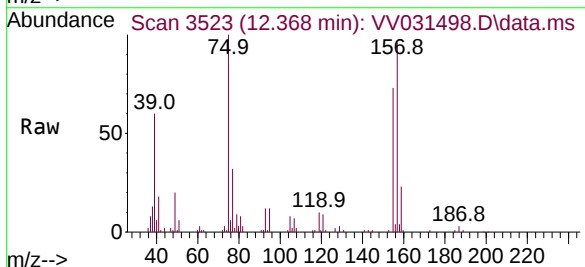
Instrument :
MSVOA_V
ClientSampleId :
VSTD050367

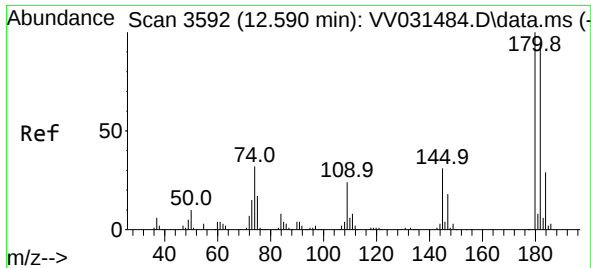
Tgt Ion:146 Resp: 230803
Ion Ratio Lower Upper
146 100
111 44.1 34.5 51.7
148 64.0 51.5 77.3



#68
1,2-Dibromo-3-chloropropane
Concen: 51.479 ug/L
RT: 12.368 min Scan# 3523
Delta R.T. -0.003 min
Lab File: VV031498.D
Acq: 12 Jun 2023 09:37

Tgt Ion: 75 Resp: 39583
Ion Ratio Lower Upper
75 100
155 72.6 62.1 93.1
157 96.0 74.9 112.3





#69

1,3,5-Trichlorobenzene

Concen: 52.175 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. 0.000 min

Lab File: VV031498.D

Acq: 12 Jun 2023 09:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD050367

Tgt Ion:180 Resp: 168362

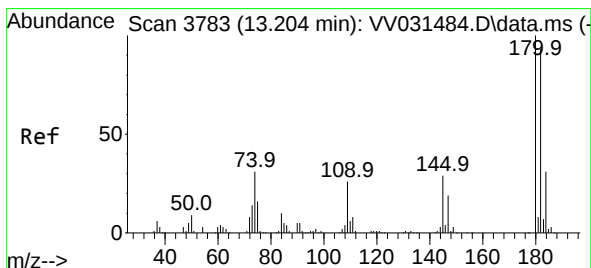
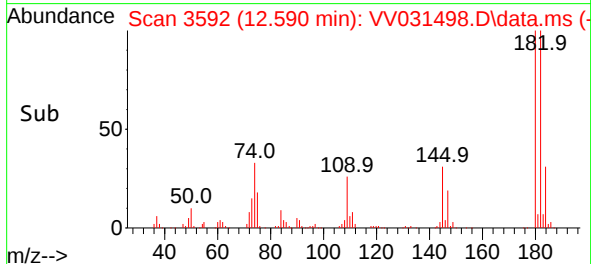
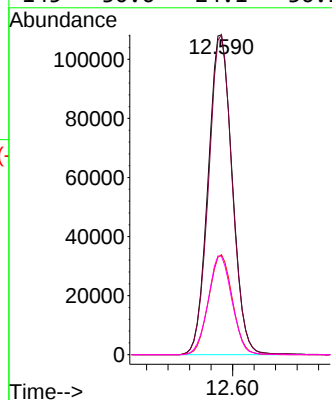
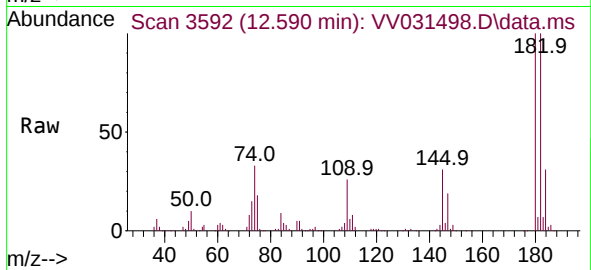
Ion Ratio Lower Upper

180 100

182 97.6 75.7 113.5

184 30.8 23.9 35.9

145 30.6 24.1 36.1



#70

1,2,4-trichlorobenzene

Concen: 51.205 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. 0.000 min

Lab File: VV031498.D

Acq: 12 Jun 2023 09:37

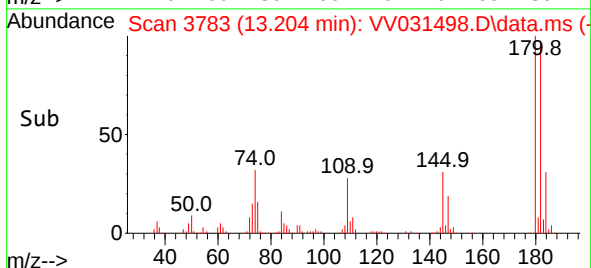
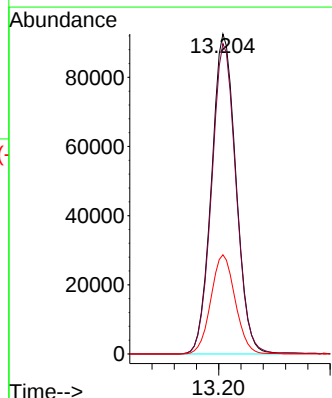
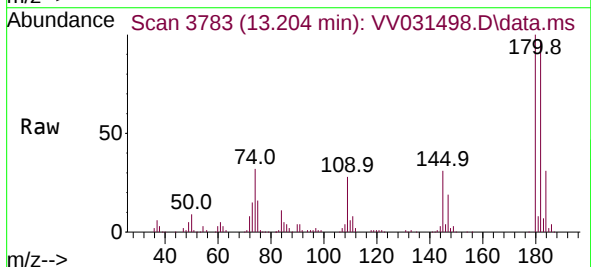
Tgt Ion:180 Resp: 140964

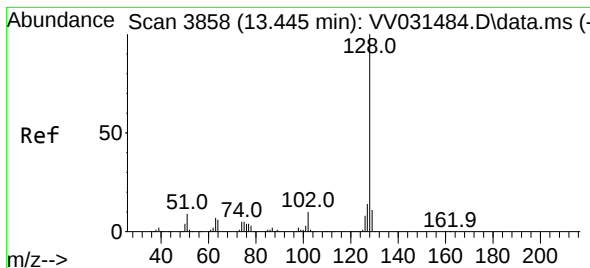
Ion Ratio Lower Upper

180 100

182 96.6 77.0 115.6

145 30.8 24.2 36.2





#71

Naphthalene

Concen: 43.998 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. 0.000 min

Lab File: VV031498.D

Acq: 12 Jun 2023 09:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD050367

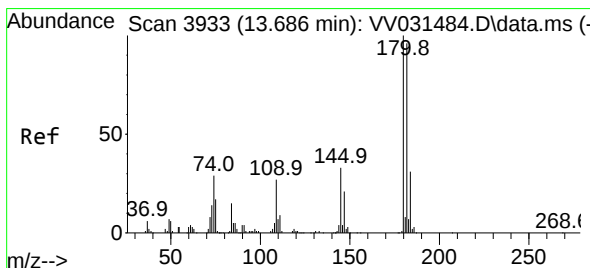
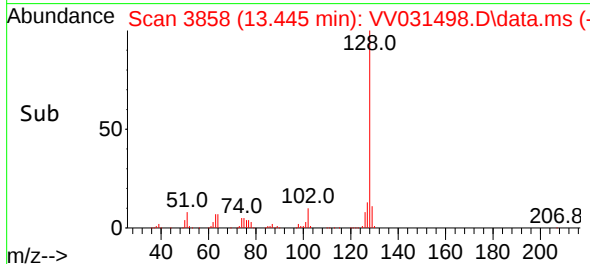
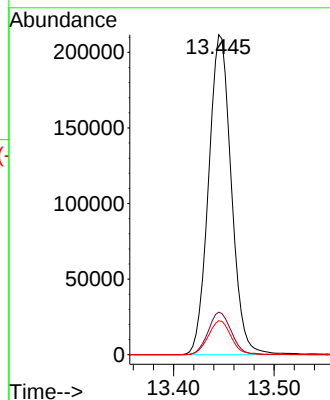
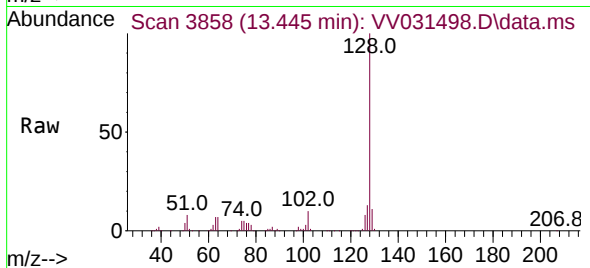
Tgt Ion:128 Resp: 331976

Ion Ratio Lower Upper

128 100

127 13.6 10.7 16.1

129 10.6 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 52.956 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. 0.000 min

Lab File: VV031498.D

Acq: 12 Jun 2023 09:37

Tgt Ion:180 Resp: 146126

Ion Ratio Lower Upper

180 100

182 95.1 77.4 116.2

145 32.7 25.6 38.4

