

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061223\
 Data File : VW031504.D
 Acq On : 12 Jun 2023 15:06
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050368

Quant Time: Jun 13 01:43:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM060723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 13 01:41:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	265446	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	273908	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	167469	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	59102	25.306	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	50.620%#
7) Chloroethane-d5	1.529	69	61530	32.541	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	65.080%#
11) 1,1-Dichloroethene-d2	2.060	65	32844	29.673	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	59.340%#
21) 2-Butanone-d5	3.789	46	153276	90.812	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.810%
24) Chloroform-d	4.249	84	180753	40.687	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.380%
26) 1,2-Dichloroethane-d4	4.944	65	121162	40.655	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.300%
32) Benzene-d6	4.963	84	287741	35.581	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	71.160%
36) 1,2-Dichloropropane-d6	5.992	67	109413	38.924	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	77.840%
41) Toluene-d8	7.246	98	265704	35.767	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	71.540%#
43) trans-1,3-Dichloroprop...	7.555	79	49142	34.707	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.420%
47) 2-Hexanone-d5	8.030	63	88616	83.703	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.700%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	140655	39.650	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	79.300%
66) 1,2-Dichlorobenzene-d4	11.567	152	117131	37.704	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	75.400%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	44770	42.058	ug/L	98
3) Chloromethane	1.214	50	34350	39.764	ug/L	99
5) Vinyl chloride	1.281	62	41936	40.689	ug/L	99
6) Bromomethane	1.484	94	26616	42.967	ug/L	100
8) Chloroethane	1.548	64	34632	41.706	ug/L	94
9) Trichlorofluoromethane	1.712	101	109924	44.187	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	72586	45.119	ug/L	96
12) 1,1-Dichloroethene	2.069	96	44305	41.838	ug/L	90
13) Acetone	2.117	43	137650	91.164	ug/L	99
14) Carbon disulfide	2.243	76	32432	35.804	ug/L	100
15) Methyl Acetate	2.375	43	100937	44.269	ug/L	100
16) Methylene chloride	2.449	84	72412	45.300	ug/L	94
17) trans-1,2-Dichloroethene	2.696	96	43588	43.414	ug/L	98
18) Methyl tert-butyl Ether	2.706	73	269054	43.597	ug/L	99
19) 1,1-Dichloroethane	3.114	63	155482	44.769	ug/L	100
20) cis-1,2-Dichloroethene	3.815	96	71570	43.845	ug/L	98
22) 2-Butanone	3.873	43	157347	84.788	ug/L	99
23) Bromochloromethane	4.149	128	38578	44.942	ug/L	96
25) Chloroform	4.278	83	177509	45.835	ug/L	96

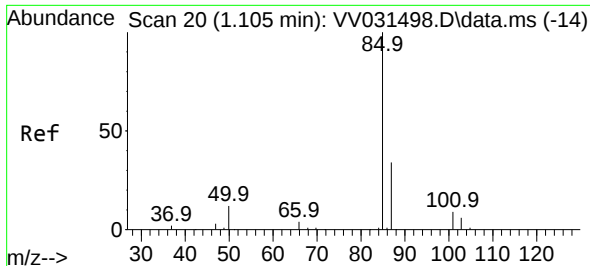
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061223\
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	132013	46.683	ug/L	98
29) Cyclohexane	4.587	56	56395	38.443	ug/L	99
30) 1,1,1-Trichloroethane	4.516	97	141960	43.907	ug/L	99
31) Carbon tetrachloride	4.738	117	116101	43.227	ug/L	98
33) Benzene	5.011	78	264385	43.745	ug/L	100
34) Trichloroethene	5.834	95	88728	46.598	ug/L	99
35) Methylcyclohexane	6.053	83	61551	37.796	ug/L	99
37) 1,2-Dichloropropane	6.095	63	96068	44.161	ug/L	100
38) Bromodichloromethane	6.436	83	139305	43.752	ug/L	97
39) cis-1,3-Dichloropropene	6.956	75	138554	42.631	ug/L	98
40) 4-Methyl-2-pentanone	7.162	43	312984	88.568	ug/L	100
42) Toluene	7.320	91	305202	45.116	ug/L	99
44) trans-1,3-Dichloropropene	7.583	75	142739	43.300	ug/L	98
45) 1,1,2-Trichloroethane	7.773	97	100475	44.684	ug/L	99
46) Tetrachloroethene	7.908	164	52831	42.739	ug/L	99
48) 2-Hexanone	8.079	43	258937	93.611	ug/L	97
49) Dibromochloromethane	8.181	129	108519	44.242	ug/L	99
50) 1,2-Dibromoethane	8.288	107	95321	44.034	ug/L	97
51) Chlorobenzene	8.818	112	222591	43.275	ug/L	99
52) Ethylbenzene	8.950	91	363286	43.151	ug/L	100
53) m,p-Xylene	9.079	106	134937	44.476	ug/L	99
54) o-Xylene	9.484	106	132962	43.443	ug/L	99
55) Styrene	9.500	104	260812	46.741	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.181	83	136114	39.489	ug/L	97
59) Bromoform	9.670	173	88492	41.239	ug/L	99
60) Isopropylbenzene	9.873	105	399997	41.799	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	141739	41.809	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	324502	41.060	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	330672	41.800	ug/L	100
64) 1,3-Dichlorobenzene	11.124	146	206181	42.093	ug/L	98
65) 1,4-Dichlorobenzene	11.214	146	215204	41.537	ug/L	98
67) 1,2-Dichlorobenzene	11.586	146	214325	42.683	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.371	75	36687	40.827	ug/L	95
69) 1,3,5-Trichlorobenzene	12.590	180	160293	42.506	ug/L	100
70) 1,2,4-trichlorobenzene	13.204	180	136900	42.552	ug/L	99
71) Naphthalene	13.445	128	329954	37.419	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	139563	43.279	ug/L	99

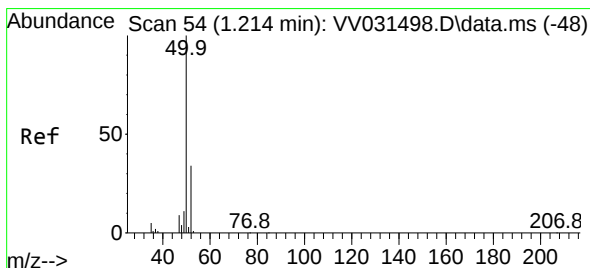
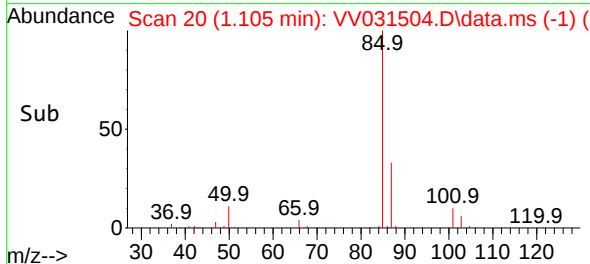
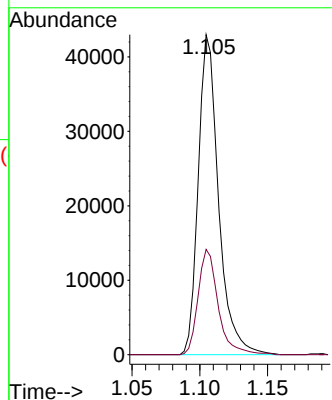
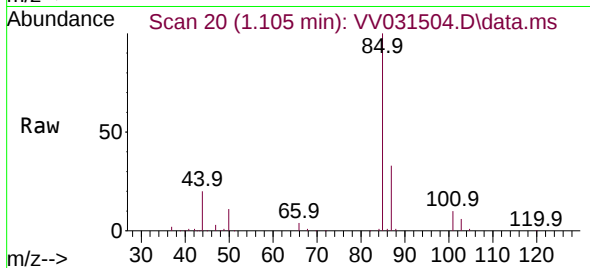
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#2
 Dichlorodifluoromethane
 Concen: 42.058 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV031504.D
 Acq: 12 Jun 2023 15:06

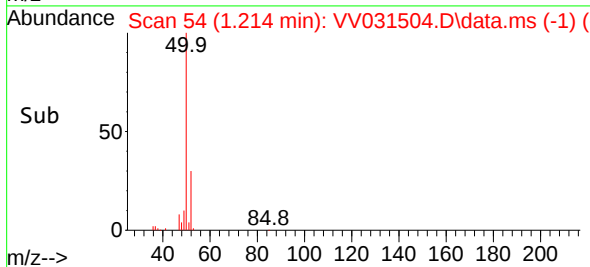
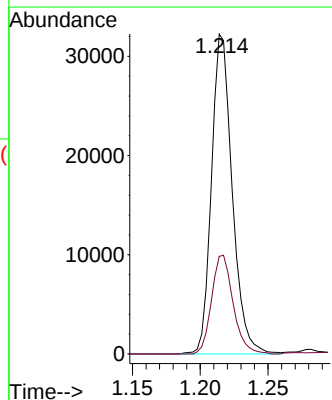
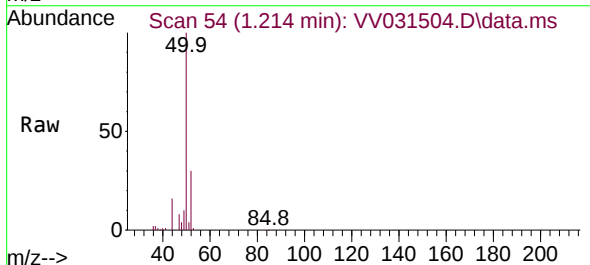
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050368

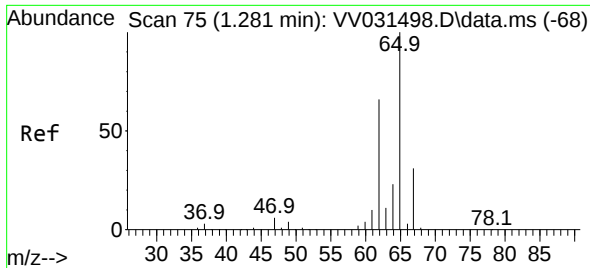
Tgt Ion: 85 Resp: 44770
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.0 37.6



#3
 Chloromethane
 Concen: 39.764 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. 0.000 min
 Lab File: VV031504.D
 Acq: 12 Jun 2023 15:06

Tgt Ion: 50 Resp: 34350
 Ion Ratio Lower Upper
 50 100
 52 30.5 21.9 40.7

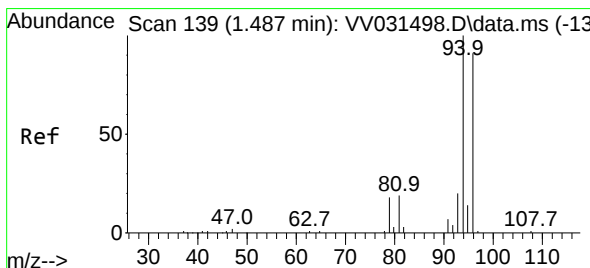
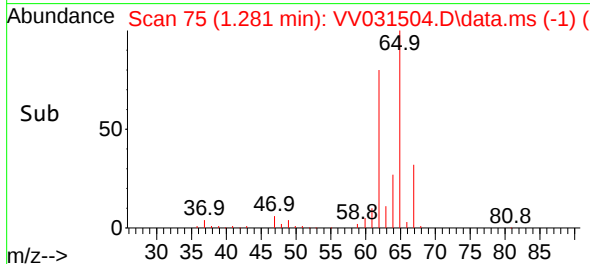
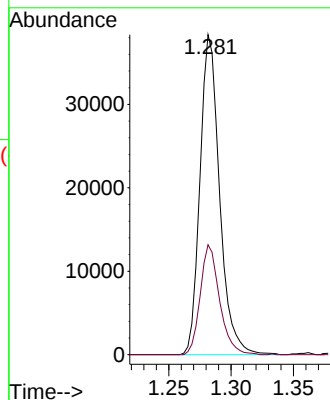
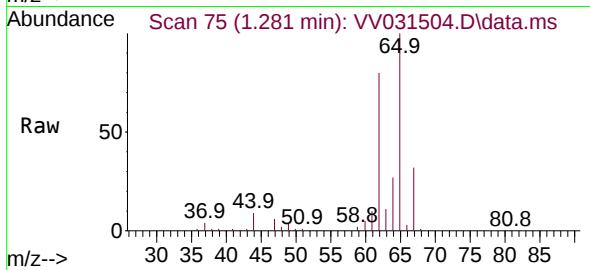




#5
 Vinyl chloride
 Concen: 40.689 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VV031504.D
 Acq: 12 Jun 2023 15:06

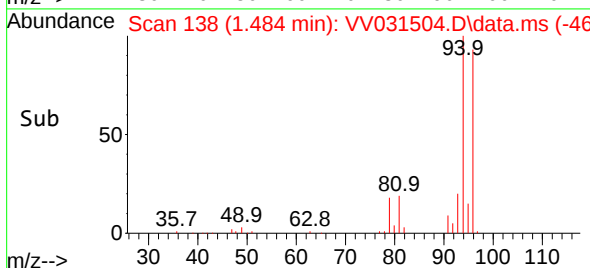
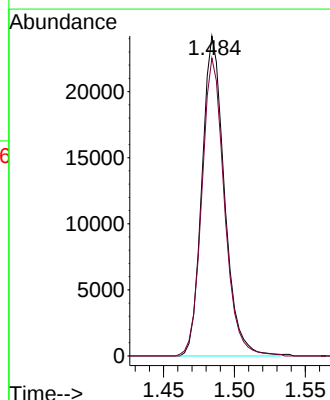
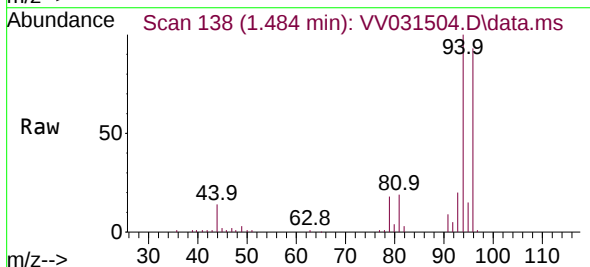
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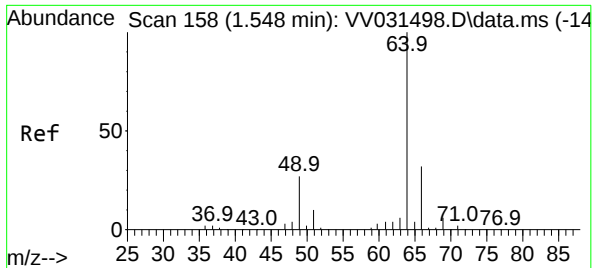
Tgt Ion: 62 Resp: 41936
 Ion Ratio Lower Upper
 62 100
 64 34.3 23.7 43.9



#6
 Bromomethane
 Concen: 42.967 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. -0.003 min
 Lab File: VV031504.D
 Acq: 12 Jun 2023 15:06

Tgt Ion: 94 Resp: 26616
 Ion Ratio Lower Upper
 94 100
 96 93.1 65.4 121.4





#8

Chloroethane

Concen: 41.706 ug/L

RT: 1.548 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV031504.D

Acq: 12 Jun 2023 15:06

Instrument :

MSVOA_V

ClientSampleId :

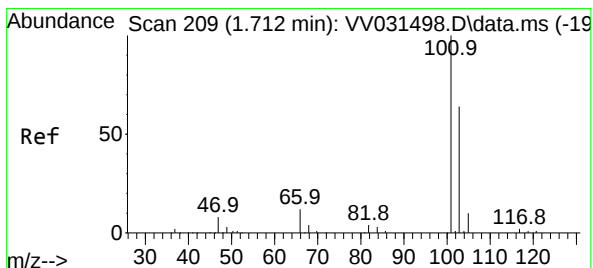
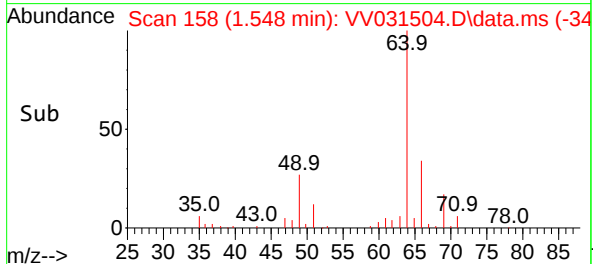
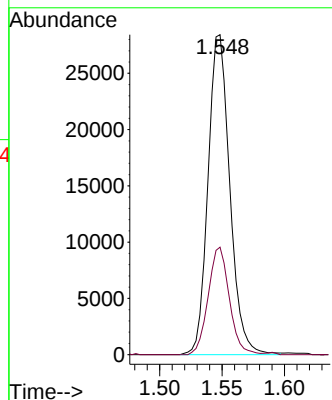
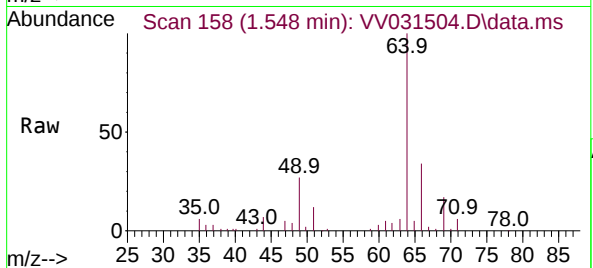
VSTD050368

Tgt Ion: 64 Resp: 34632

Ion Ratio Lower Upper

64 100

66 33.6 21.4 39.8



#9

Trichlorofluoromethane

Concen: 44.187 ug/L

RT: 1.712 min Scan# 209

Delta R.T. 0.000 min

Lab File: VV031504.D

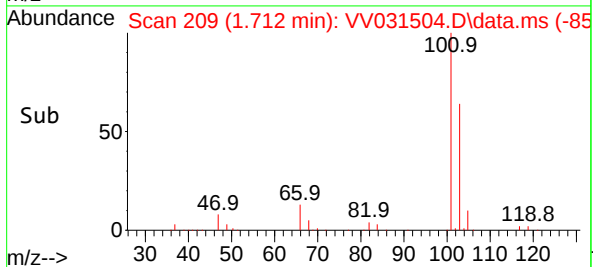
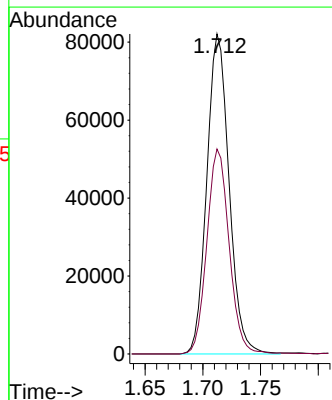
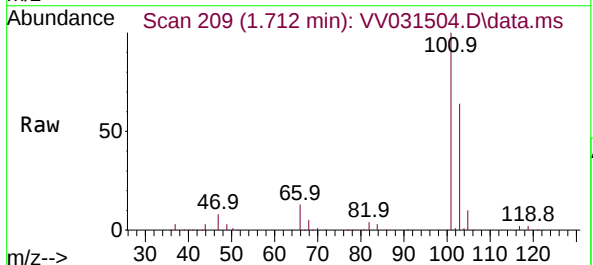
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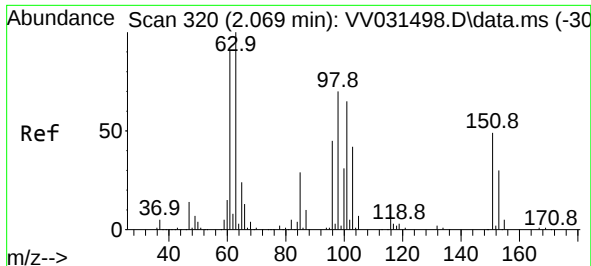
Tgt Ion:101 Resp: 109924

Ion Ratio Lower Upper

101 100

103 64.0 51.8 77.6





#10

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

Concen: 45.119 ug/L

RT: 2.069 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031504.D

Acq: 12 Jun 2023 15:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD050368

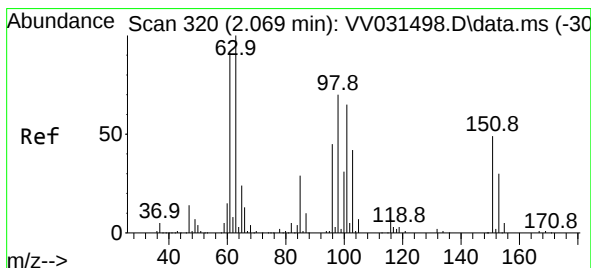
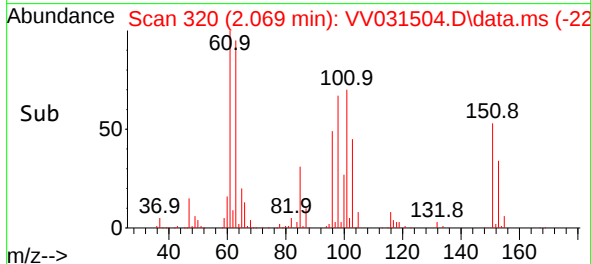
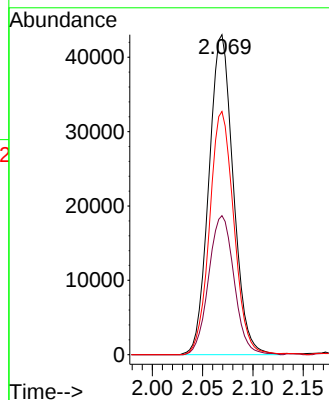
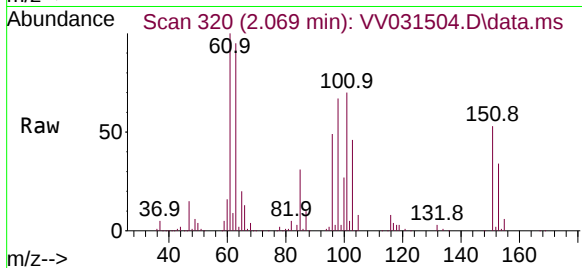
Tgt Ion:101 Resp: 72586

Ion Ratio Lower Upper

101 100

85 45.2 37.3 55.9

151 75.9 57.8 86.6



#12

1,1-Dichloroethene

Concen: 41.838 ug/L

RT: 2.069 min Scan# 320

Delta R.T. 0.000 min

Lab File: VV031504.D

Acq: 12 Jun 2023 15:06

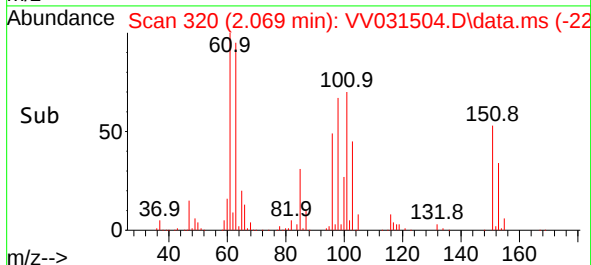
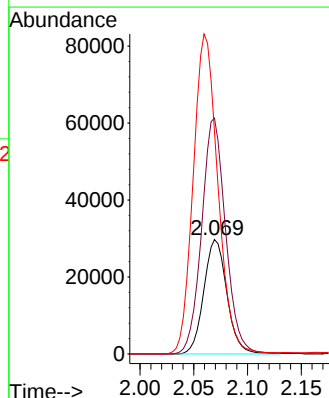
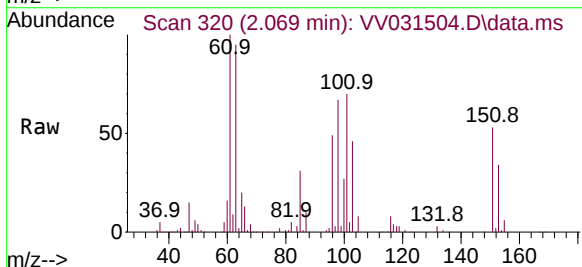
Tgt Ion: 96 Resp: 44305

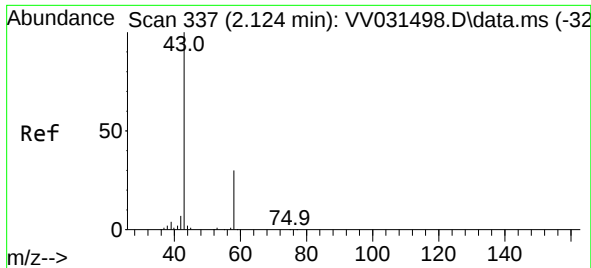
Ion Ratio Lower Upper

96 100

61 206.1 143.9 267.3

63 194.9 158.3 293.9





#13

Acetone

Concen: 91.164 ug/L

RT: 2.117 min Scan# 335

Delta R.T. -0.006 min

Lab File: VV031504.D

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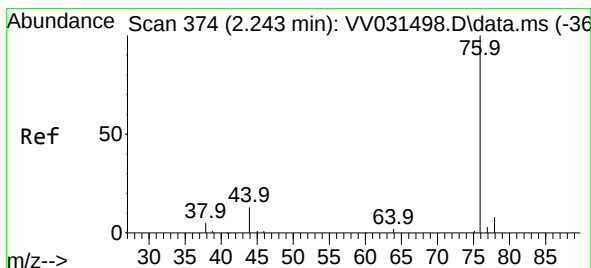
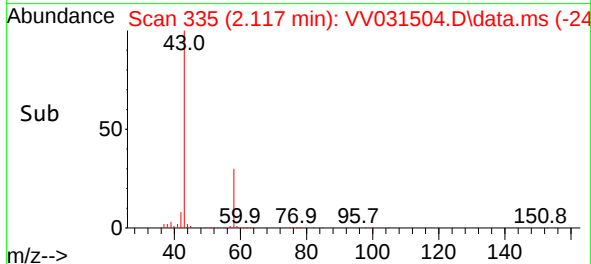
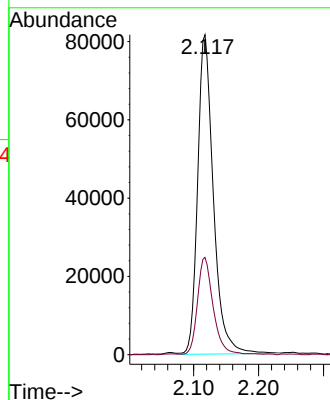
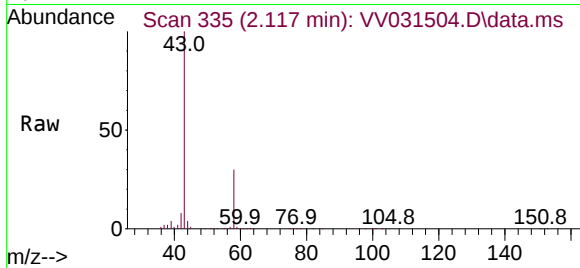
VSTD050368

Tgt Ion: 43 Resp: 137650

Ion Ratio Lower Upper

43 100

58 29.8 0.0 61.0



#14

Carbon disulfide

Concen: 35.804 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV031504.D

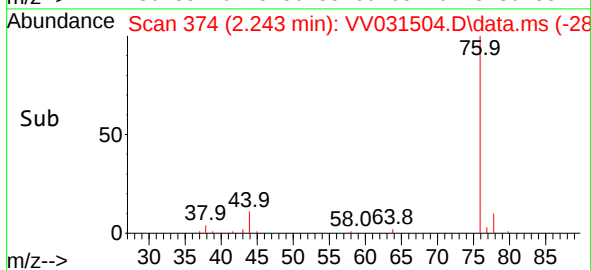
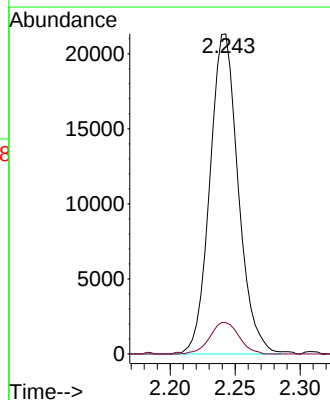
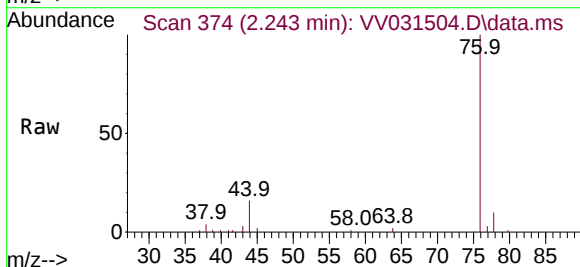
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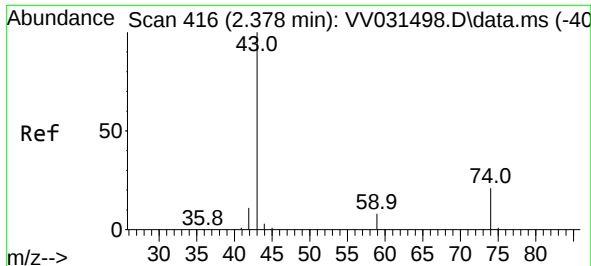
Tgt Ion: 76 Resp: 32432

Ion Ratio Lower Upper

76 100

78 9.8 7.9 11.9

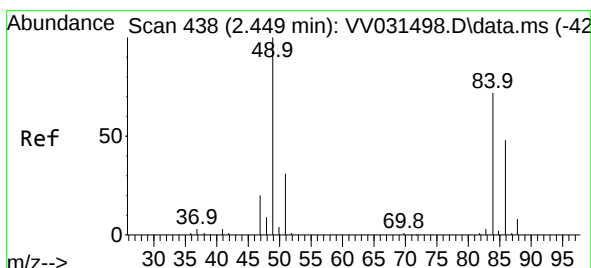
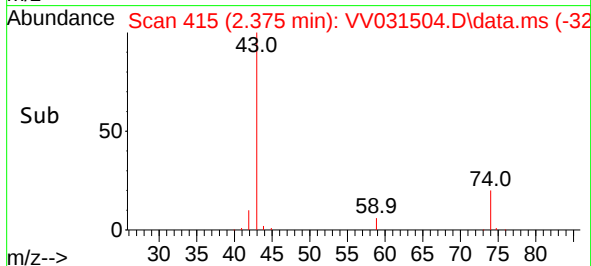
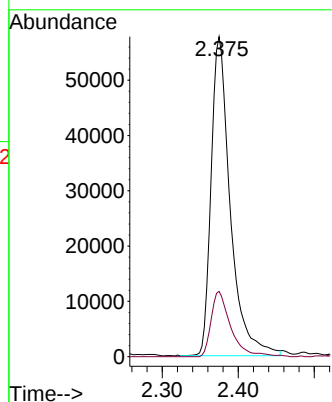
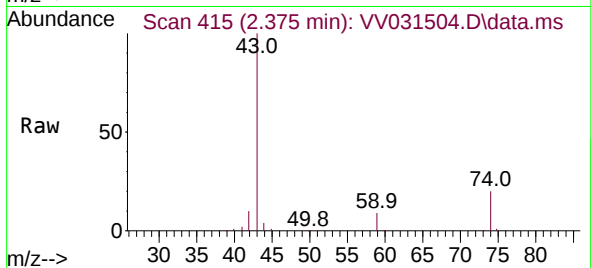




#15
Methyl Acetate
Concen: 44.269 ug/L
RT: 2.375 min Scan# 416
Delta R.T. -0.003 min
Lab File: VV031504.D
Acq: 12 Jun 2023 15:06

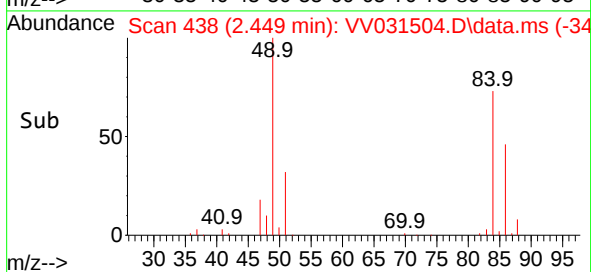
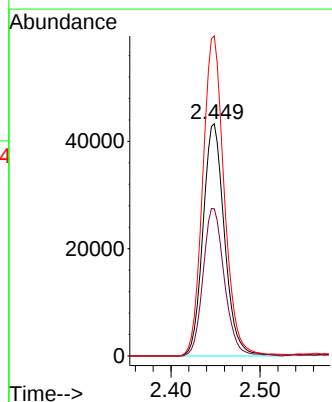
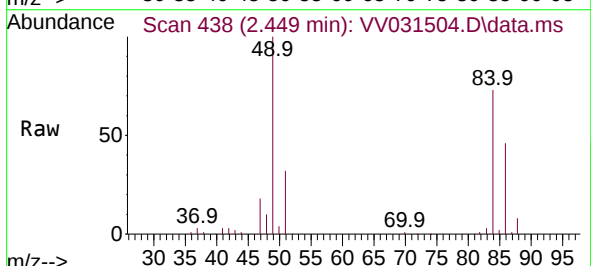
Instrument :
MSVOA_V
ClientSampleId :
VSTD050368

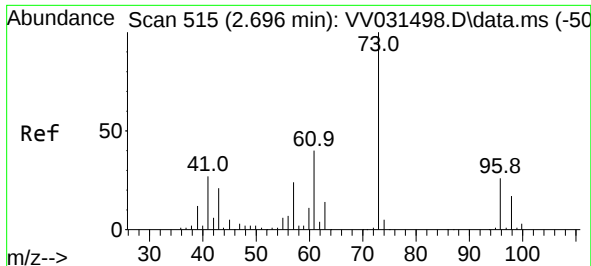
Tgt Ion: 43 Resp: 100937
Ion Ratio Lower Upper
43 100
74 20.2 16.0 24.0



#16
Methylene chloride
Concen: 45.300 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.000 min
Lab File: VV031504.D
Acq: 12 Jun 2023 15:06

Tgt Ion: 84 Resp: 72412
Ion Ratio Lower Upper
84 100
86 63.4 46.1 85.5
49 137.9 102.7 190.7

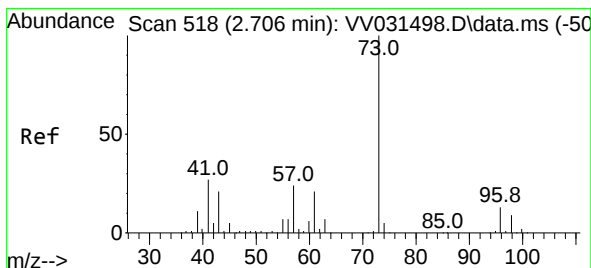
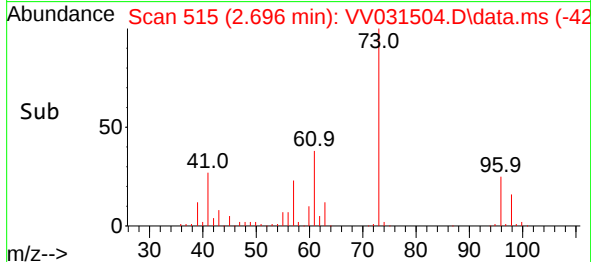
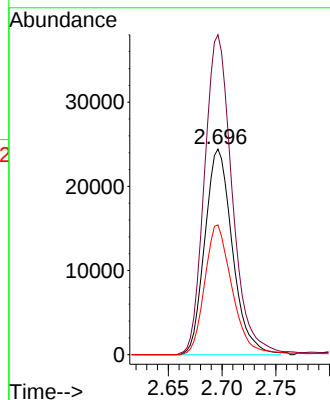
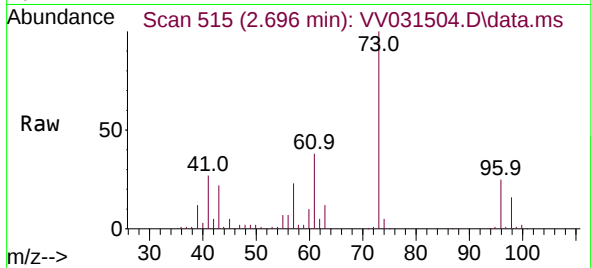




#17
trans-1,2-Dichloroethene
Concen: 43.414 ug/L
RT: 2.696 min Scan# 515
Delta R.T. 0.000 min
Lab File: VV031504.D
Acq: 12 Jun 2023 15:06

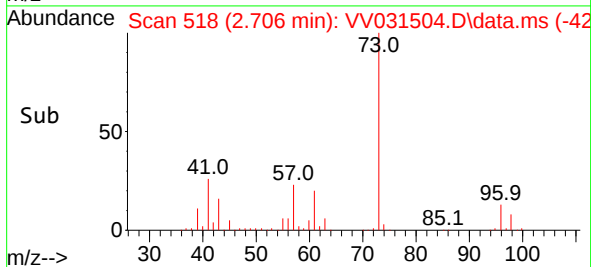
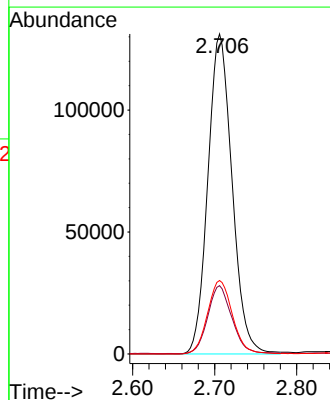
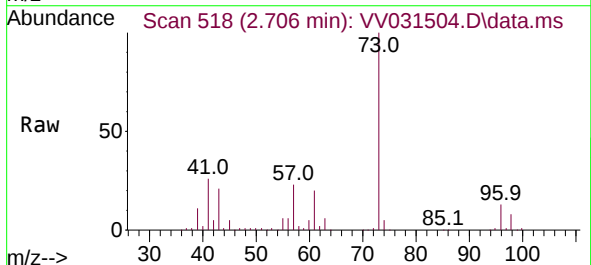
Instrument :
MSVOA_V
ClientSampleId :
VSTD050368

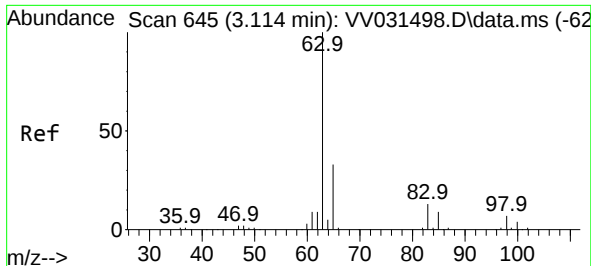
Tgt Ion: 96 Resp: 43588
Ion Ratio Lower Upper
96 100
61 155.6 106.9 198.5
98 63.1 44.9 83.3



#18
Methyl tert-butyl Ether
Concen: 43.597 ug/L
RT: 2.706 min Scan# 518
Delta R.T. 0.000 min
Lab File: VV031504.D
Acq: 12 Jun 2023 15:06

Tgt Ion: 73 Resp: 269054
Ion Ratio Lower Upper
73 100
43 21.1 16.6 25.0
57 23.6 18.6 28.0

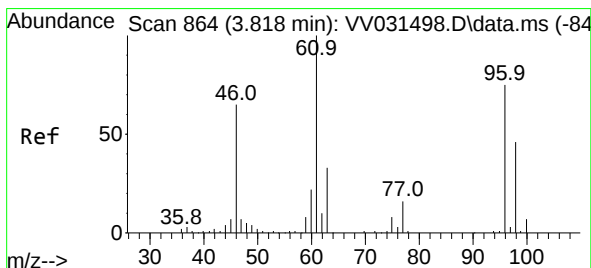
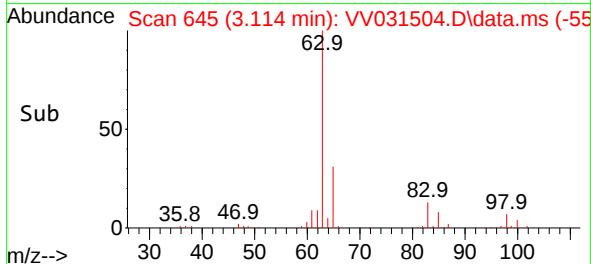
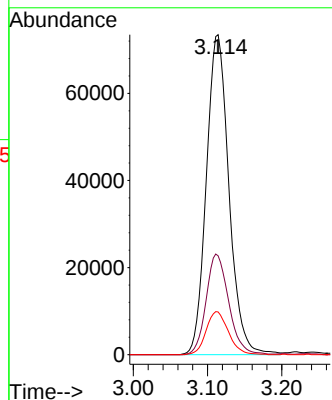
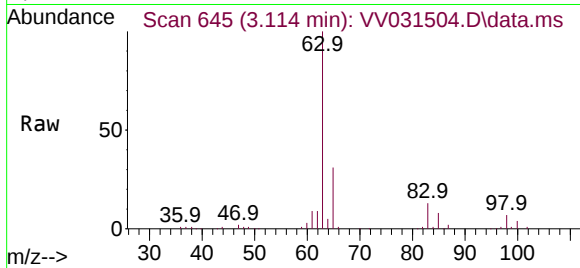




#19
1,1-Dichloroethane
Concen: 44.769 ug/L
RT: 3.114 min Scan# 64
Delta R.T. 0.000 min
Lab File: VV031504.D
Acq: 12 Jun 2023 15:06

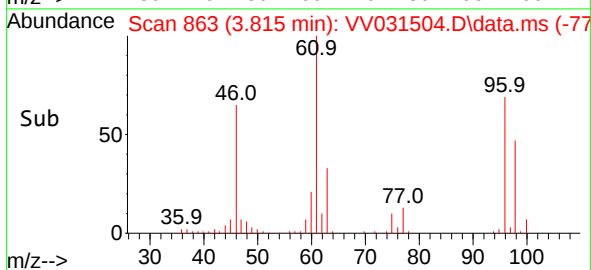
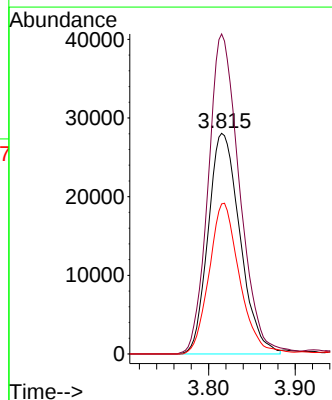
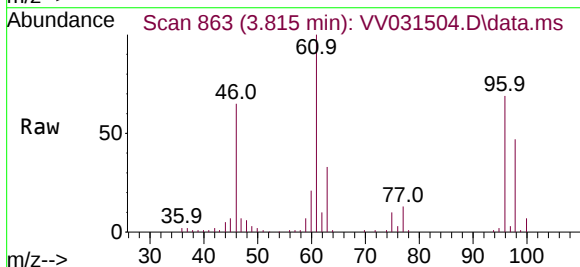
Instrument :
MSVOA_V
ClientSampleId :
VSTD050368

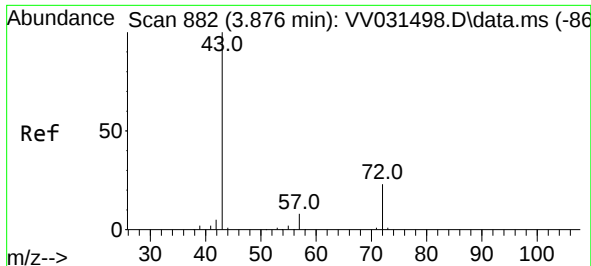
Tgt Ion: 63 Resp: 155482
Ion Ratio Lower Upper
63 100
65 30.9 21.4 39.8
83 13.4 9.3 17.3



#20
cis-1,2-Dichloroethene
Concen: 43.845 ug/L
RT: 3.815 min Scan# 863
Delta R.T. -0.003 min
Lab File: VV031504.D
Acq: 12 Jun 2023 15:06

Tgt Ion: 96 Resp: 71570
Ion Ratio Lower Upper
96 100
61 145.0 101.6 188.6
98 68.0 44.4 82.4

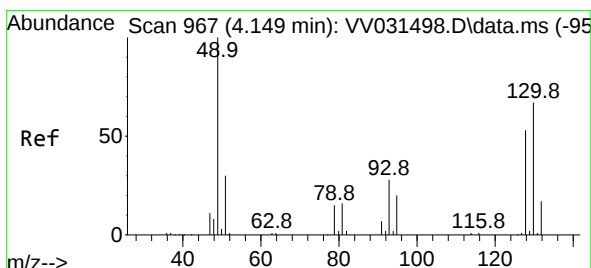
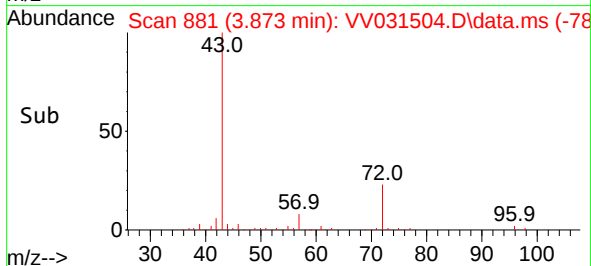
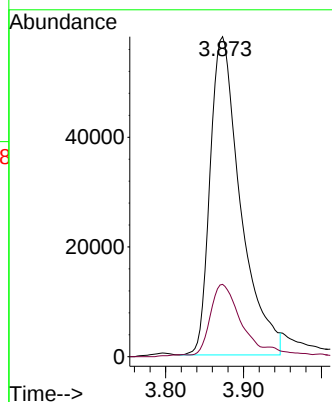
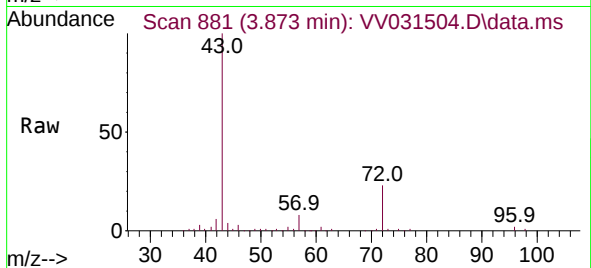




#22
2-Butanone
Concen: 84.788 ug/L
RT: 3.873 min Scan# 881
Delta R.T. -0.003 min
Lab File: VV031504.D
Acq: 12 Jun 2023 15:06

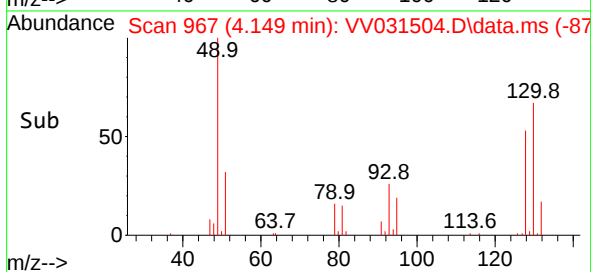
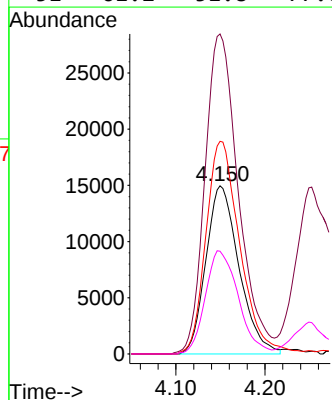
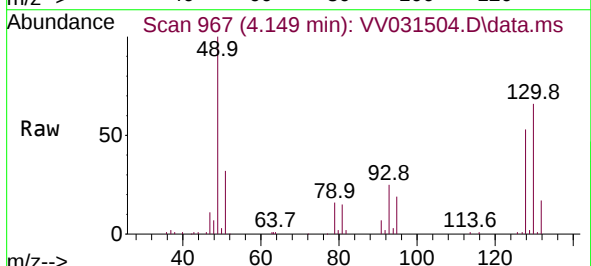
Instrument :
MSVOA_V
ClientSampleId :
VSTD050368

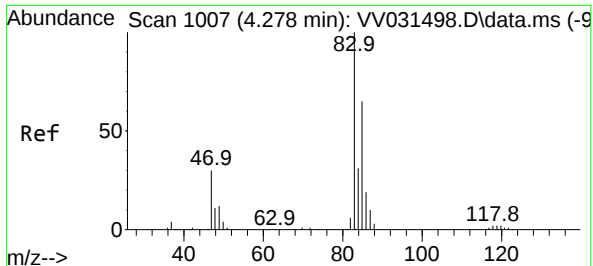
Tgt Ion: 43 Resp: 157347
Ion Ratio Lower Upper
43 100
72 21.2 10.4 31.4



#23
Bromochloromethane
Concen: 44.942 ug/L
RT: 4.149 min Scan# 967
Delta R.T. 0.000 min
Lab File: VV031504.D
Acq: 12 Jun 2023 15:06

Tgt Ion: 128 Resp: 38578
Ion Ratio Lower Upper
128 100
49 190.4 138.2 256.6
130 126.5 91.4 169.8
51 61.2 51.8 77.6





#25

Chloroform

Concen: 45.835 ug/L

RT: 4.278 min Scan# 1007

Delta R.T. 0.000 min

Lab File: VV031504.D

Acq: 12 Jun 2023 15:06

Instrument :

MSVOA_V

ClientSampleId :

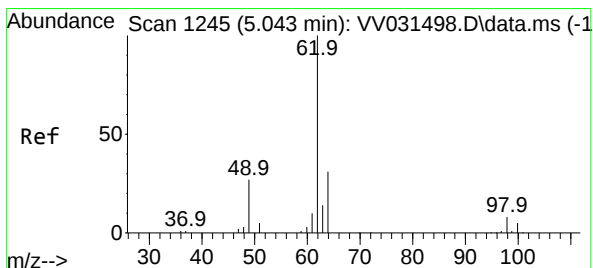
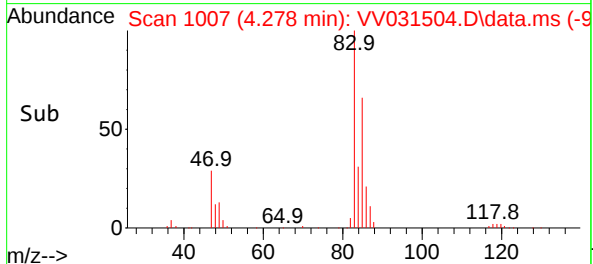
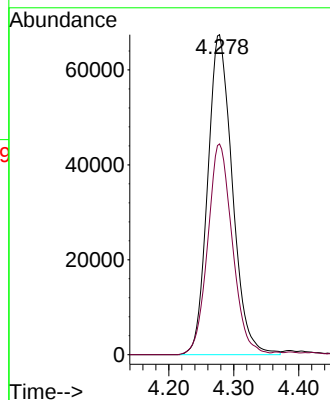
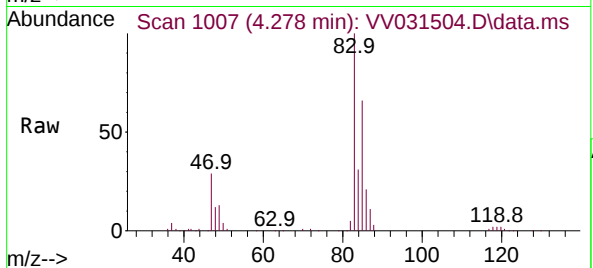
VSTD050368

Tgt Ion: 83 Resp: 177509

Ion Ratio Lower Upper

83 100

85 65.8 43.9 81.5



#27

1,2-Dichloroethane

Concen: 46.683 ug/L

RT: 5.043 min Scan# 1245

Delta R.T. 0.000 min

Lab File: VV031504.D

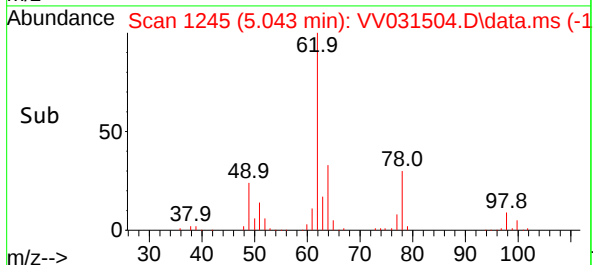
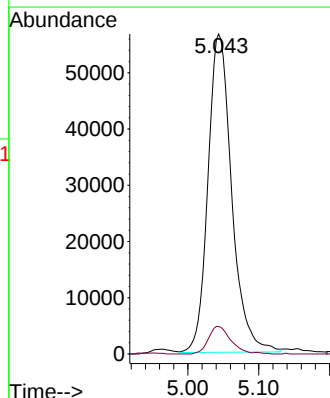
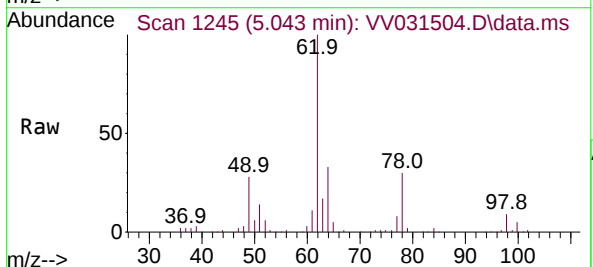
Acq: 12 Jun 2023 15:06

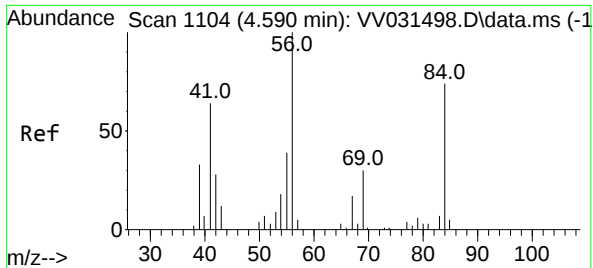
Tgt Ion: 62 Resp: 132013

Ion Ratio Lower Upper

62 100

98 8.6 6.2 9.4

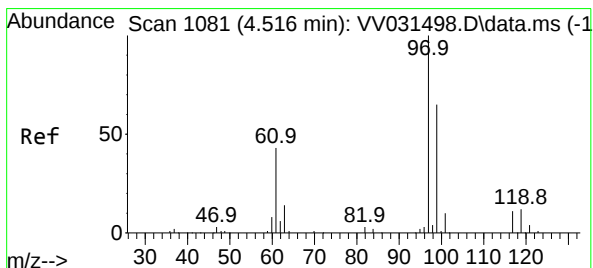
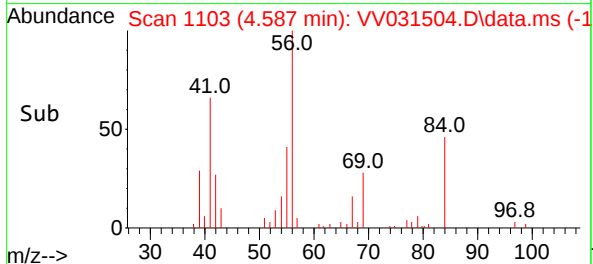
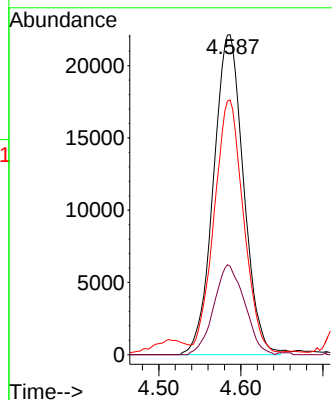
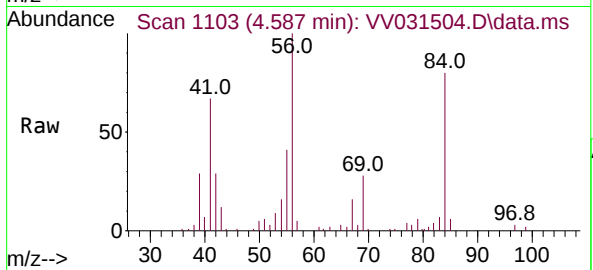




#29
Cyclohexane
Concen: 38.443 ug/L
RT: 4.587 min Scan# 1103
Delta R.T. -0.003 min
Lab File: VV031504.D
Acq: 12 Jun 2023 15:06

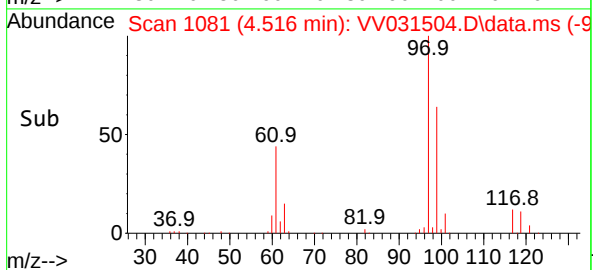
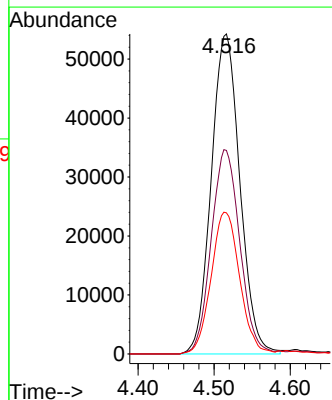
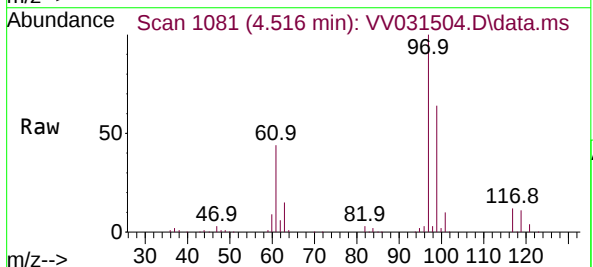
Instrument :
MSVOA_V
ClientSampleId :
VSTD050368

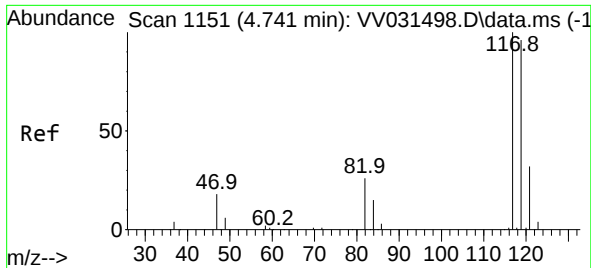
Tgt Ion:	56	Resp:	56395
Ion	Ratio	Lower	Upper
56	100		
69	28.7	23.5	35.3
84	76.4	61.3	91.9



#30
1,1,1-Trichloroethane
Concen: 43.907 ug/L
RT: 4.516 min Scan# 1081
Delta R.T. 0.000 min
Lab File: VV031504.D
Acq: 12 Jun 2023 15:06

Tgt Ion:	97	Resp:	141960
Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.9	77.9
61	44.2	36.1	54.1

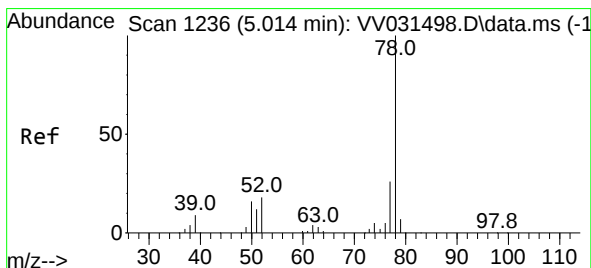
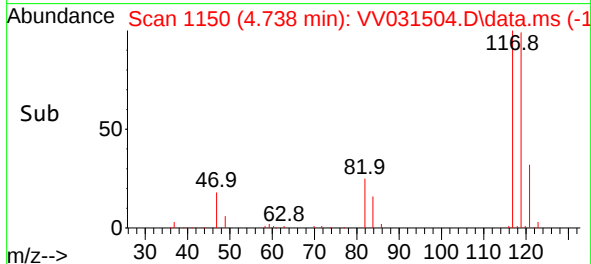
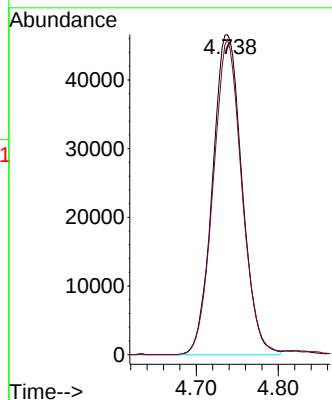
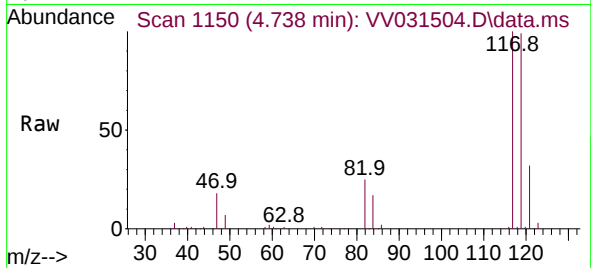




#31
Carbon tetrachloride
Concen: 43.227 ug/L
RT: 4.738 min Scan# 1150
Delta R.T. -0.003 min
Lab File: VV031504.D
Acq: 12 Jun 2023 15:06

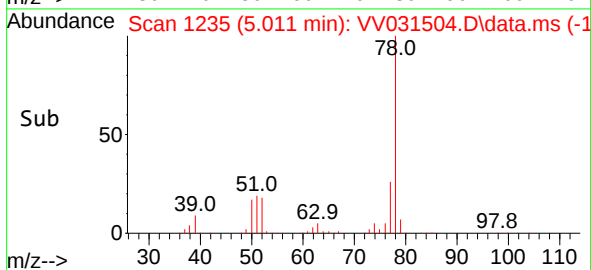
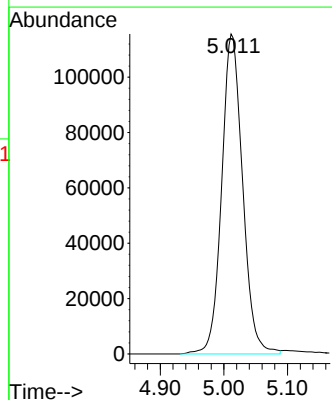
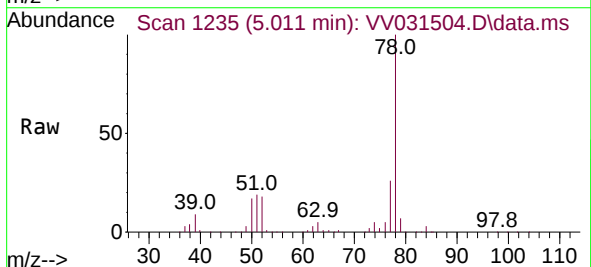
Instrument :
MSVOA_V
ClientSampleId :
VSTD050368

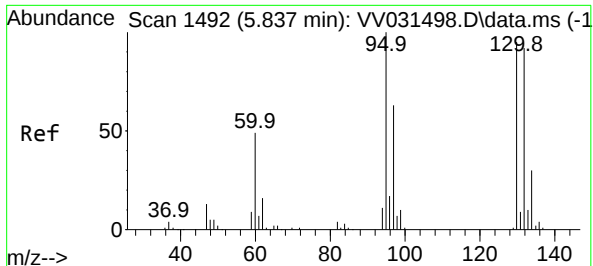
Tgt Ion:117 Resp: 116101
Ion Ratio Lower Upper
117 100
119 96.2 75.8 113.6



#33
Benzene
Concen: 43.745 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. -0.003 min
Lab File: VV031504.D
Acq: 12 Jun 2023 15:06

Tgt Ion: 78 Resp: 264385



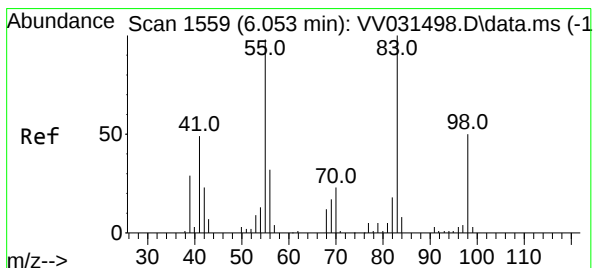
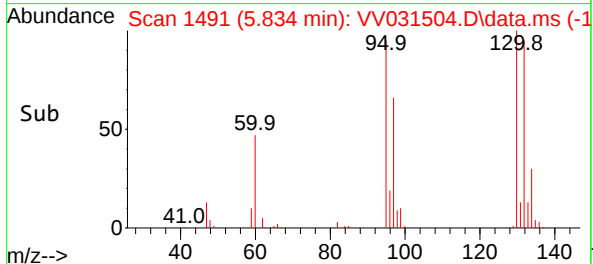
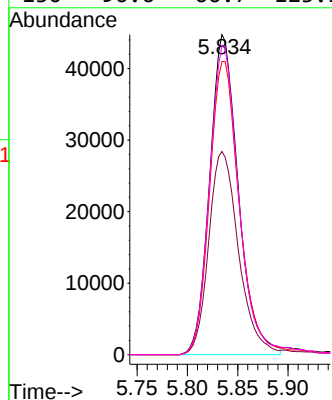
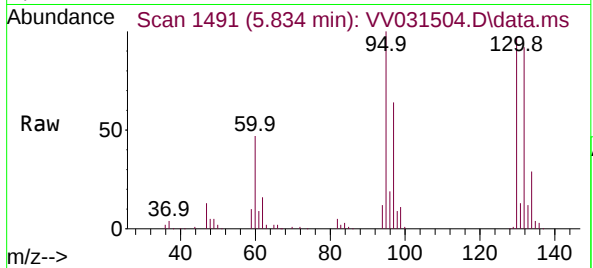


#34
Trichloroethene
Concen: 46.598 ug/L
RT: 5.834 min Scan# 1492
Delta R.T. -0.003 min
Lab File: VV031504.D
Acq: 12 Jun 2023 15:06

Instrument :
MSVOA_V
ClientSampleId :
VSTD050368

Tgt Ion: 95 Resp: 88728

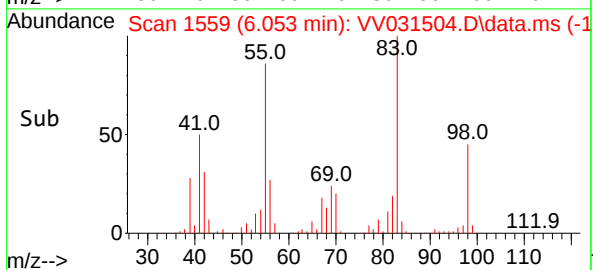
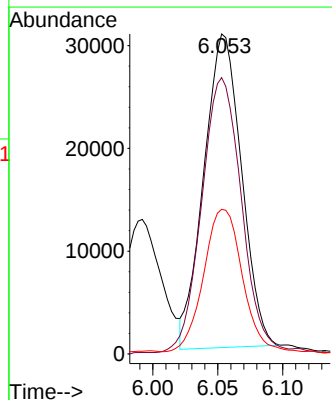
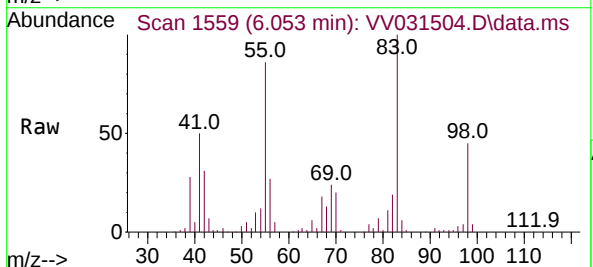
Ion	Ratio	Lower	Upper
95	100		
97	63.5	44.2	82.0
132	91.6	64.2	119.2
130	96.6	66.7	123.9

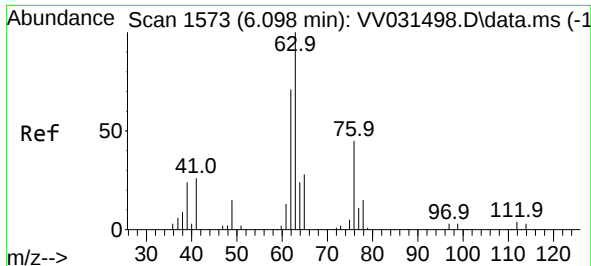


#35
Methylcyclohexane
Concen: 37.796 ug/L
RT: 6.053 min Scan# 1559
Delta R.T. 0.000 min
Lab File: VV031504.D
Acq: 12 Jun 2023 15:06

Tgt Ion: 83 Resp: 61551

Ion	Ratio	Lower	Upper
83	100		
55	92.5	73.9	110.9
98	47.4	37.0	55.4





#37

1,2-Dichloropropane

Concen: 44.161 ug/L

RT: 6.095 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV031504.D

Acq: 12 Jun 2023 15:06

Instrument :

MSVOA_V

ClientSampleId :

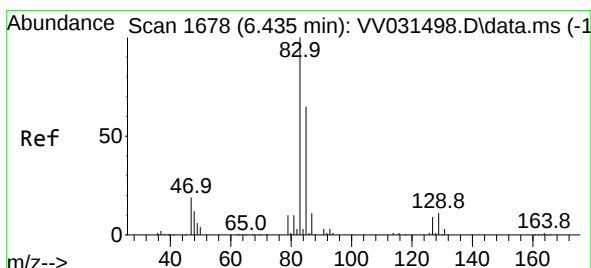
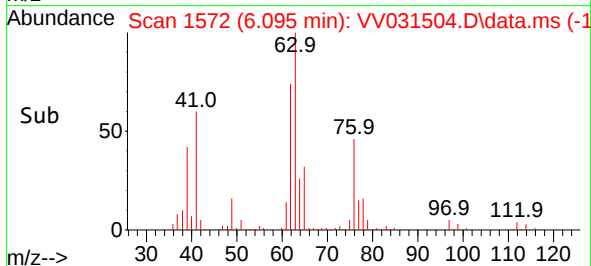
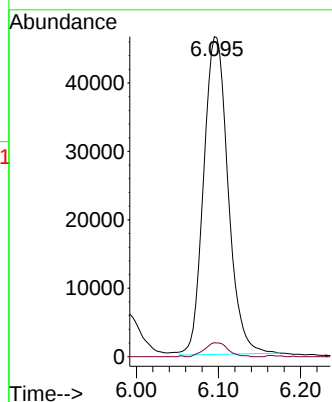
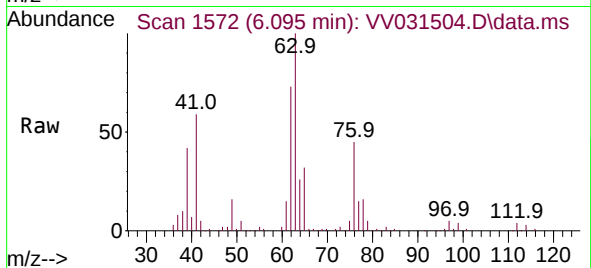
VSTD050368

Tgt Ion: 63 Resp: 96068

Ion Ratio Lower Upper

63 100

112 4.1 3.3 4.9



#38

Bromodichloromethane

Concen: 43.752 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.000 min

Lab File: VV031504.D

Acq: 12 Jun 2023 15:06

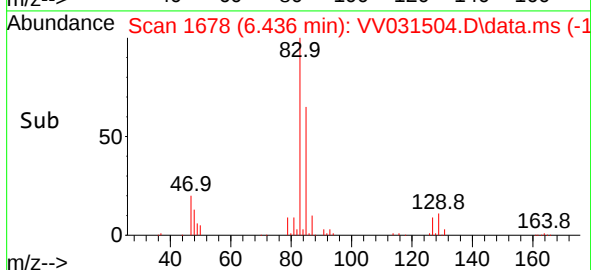
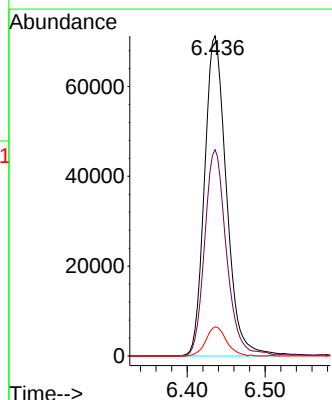
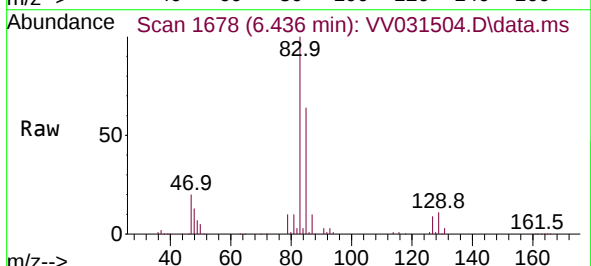
Tgt Ion: 83 Resp: 139305

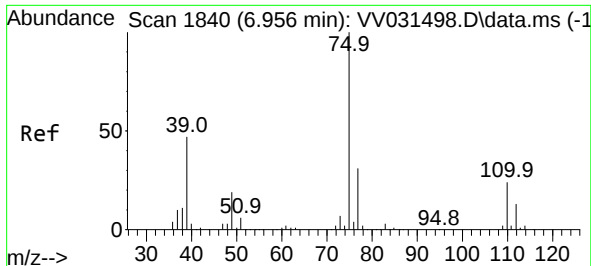
Ion Ratio Lower Upper

83 100

85 64.4 43.2 80.2

127 9.1 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 42.631 ug/L

RT: 6.956 min Scan# 1840

Delta R.T. 0.000 min

Lab File: VV031504.D

Acq: 12 Jun 2023 15:06

Instrument :

MSVOA_V

ClientSampleId :

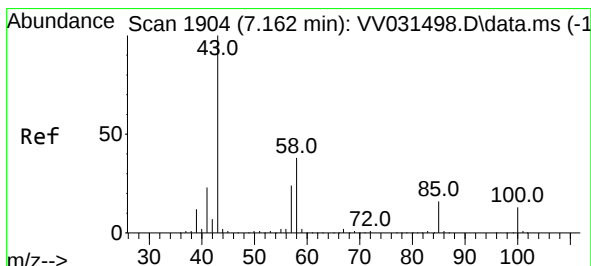
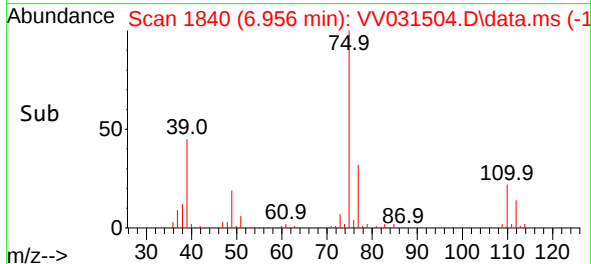
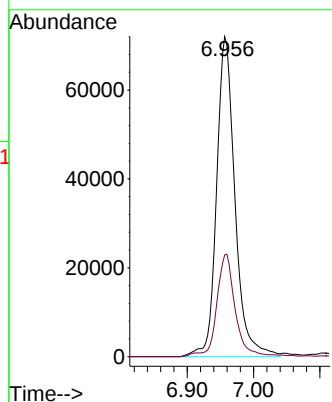
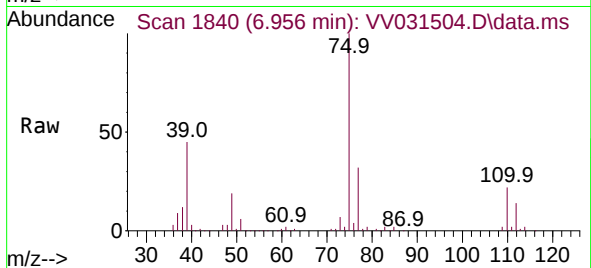
VSTD050368

Tgt Ion: 75 Resp: 138554

Ion Ratio Lower Upper

75 100

77 31.8 23.2 43.2



#40

4-Methyl-2-pentanone

Concen: 88.568 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VV031504.D

Acq: 12 Jun 2023 15:06

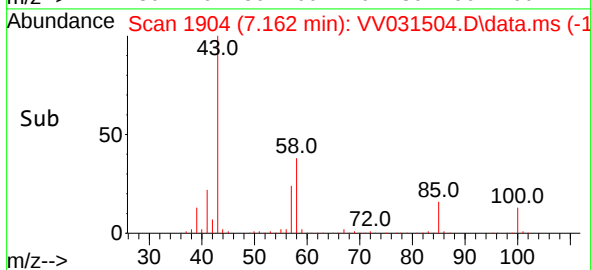
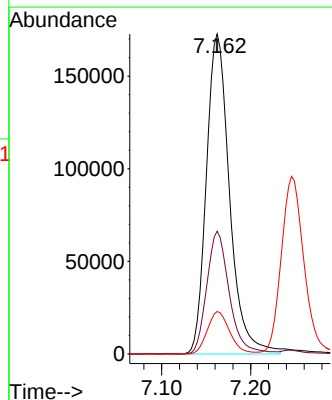
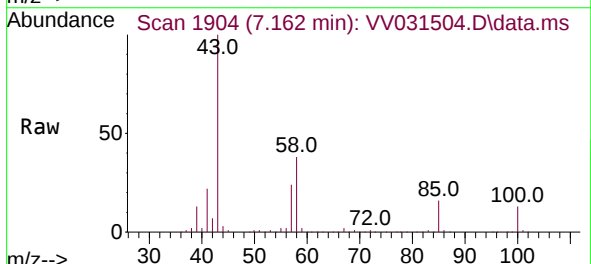
Tgt Ion: 43 Resp: 312984

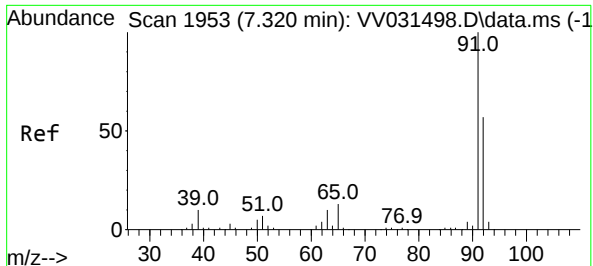
Ion Ratio Lower Upper

43 100

58 37.3 29.9 44.9

100 12.8 10.3 15.5





#42

Toluene

Concen: 45.116 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VV031504.D

Acq: 12 Jun 2023 15:06

Instrument :

MSVOA_V

ClientSampleId :

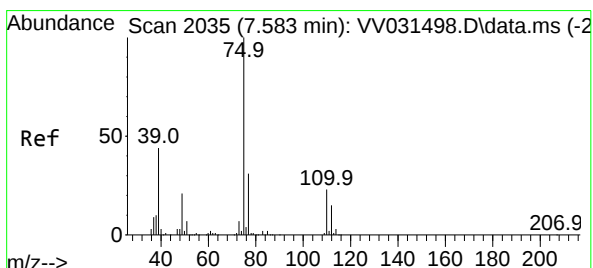
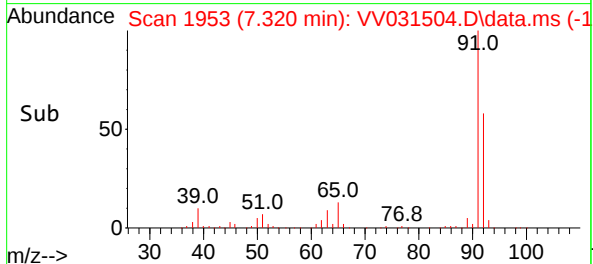
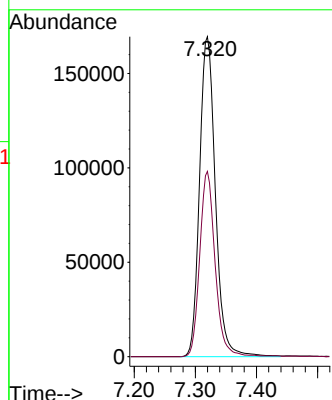
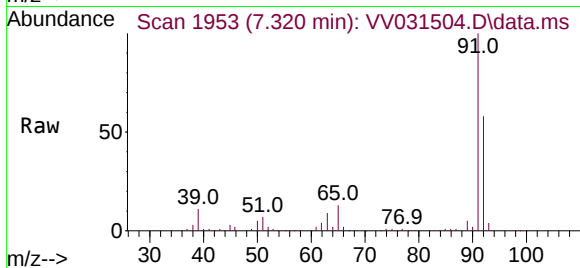
VSTD050368

Tgt Ion: 91 Resp: 305202

Ion Ratio Lower Upper

91 100

92 57.9 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 43.300 ug/L

RT: 7.583 min Scan# 2035

Delta R.T. 0.000 min

Lab File: VV031504.D

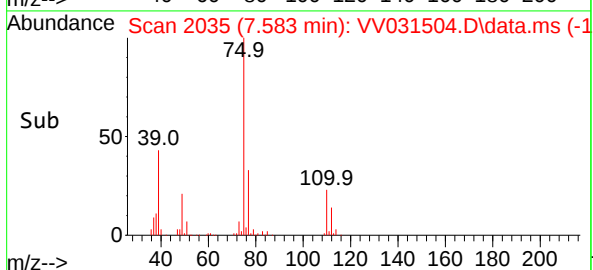
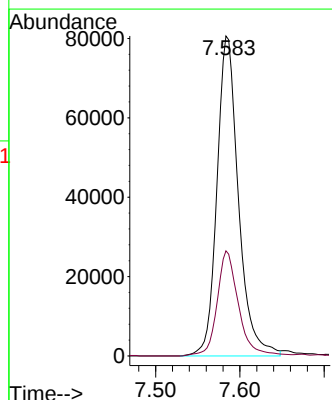
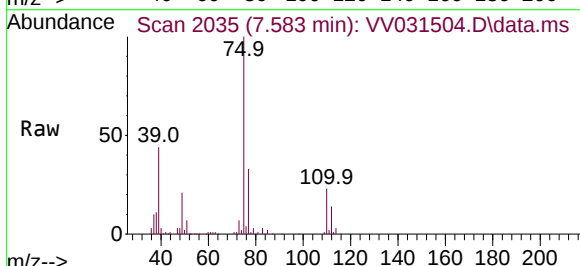
Acq: 12 Jun 2023 15:06

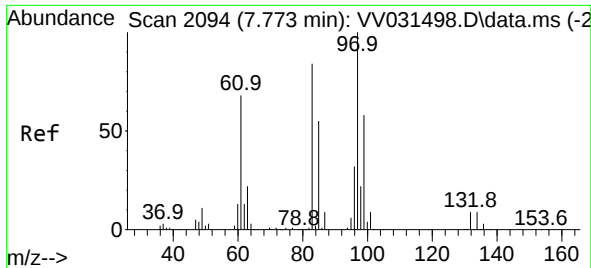
Tgt Ion: 75 Resp: 142739

Ion Ratio Lower Upper

75 100

77 32.9 22.2 41.2



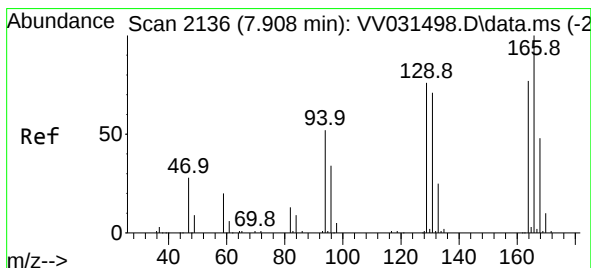
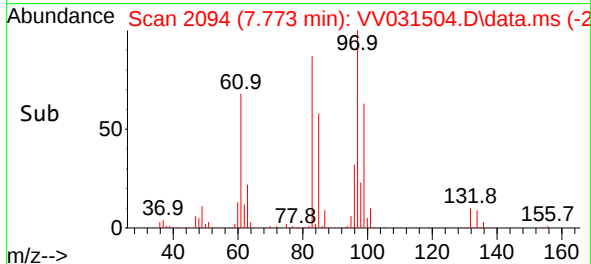
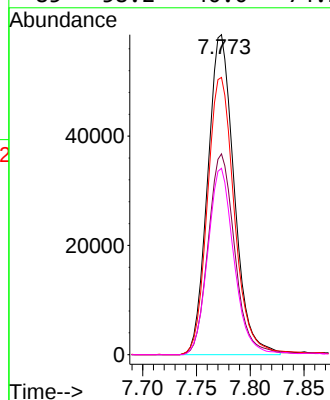
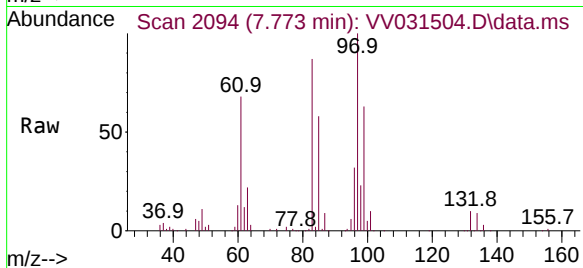


#45
1,1,2-Trichloroethane
Concen: 44.684 ug/L
RT: 7.773 min Scan# 2094
Delta R.T. 0.000 min
Lab File: VV031504.D
Acq: 12 Jun 2023 15:06

Instrument :
MSVOA_V
ClientSampleId :
VSTD050368

Tgt Ion: 97 Resp: 100475

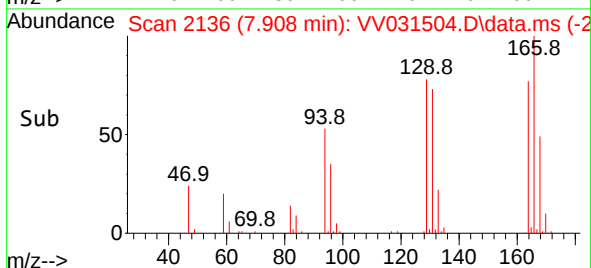
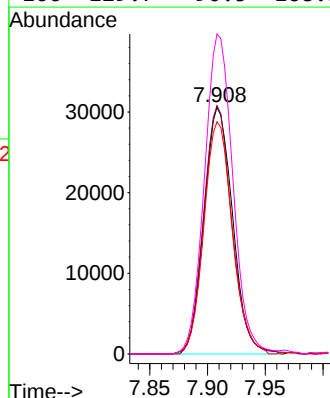
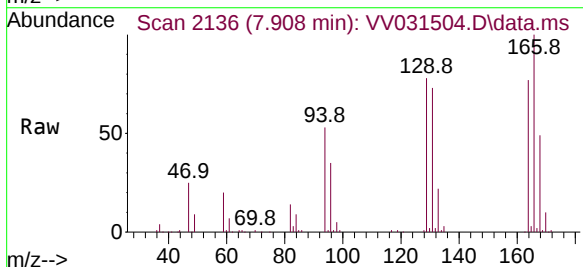
Ion	Ratio	Lower	Upper
97	100		
99	62.7	43.8	81.4
83	86.6	61.9	115.1
85	58.2	40.0	74.2

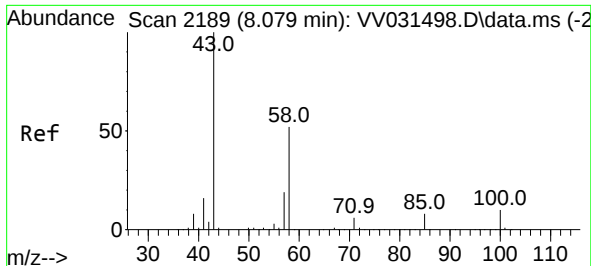


#46
Tetrachloroethene
Concen: 42.739 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. 0.000 min
Lab File: VV031504.D
Acq: 12 Jun 2023 15:06

Tgt Ion: 164 Resp: 52831

Ion	Ratio	Lower	Upper
164	100		
129	100.6	68.0	126.4
131	94.1	65.5	121.7
166	129.7	90.5	168.1

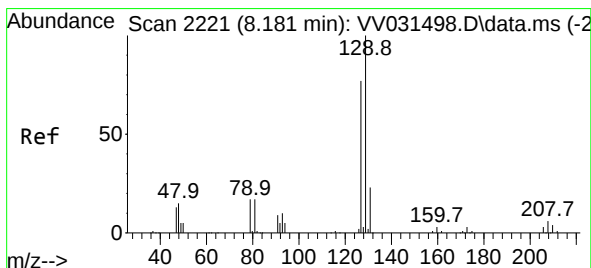
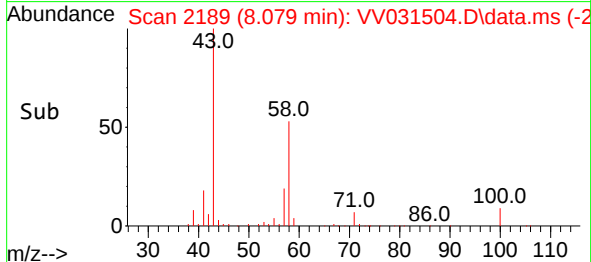
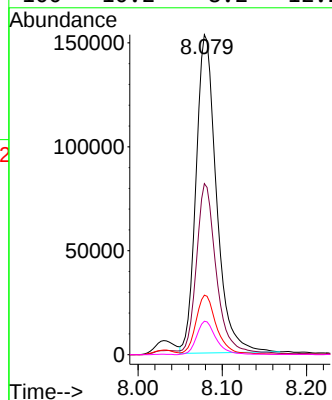
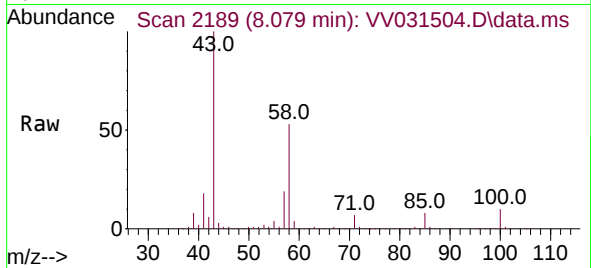




#48
2-Hexanone
Concen: 93.611 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. 0.000 min
Lab File: VV031504.D
Acq: 12 Jun 2023 15:06

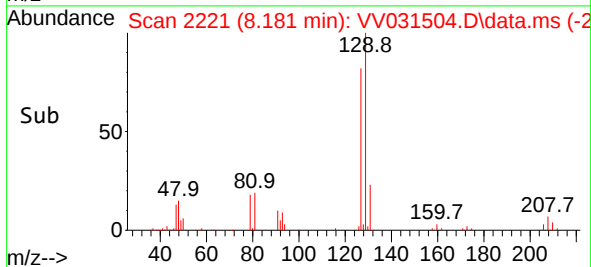
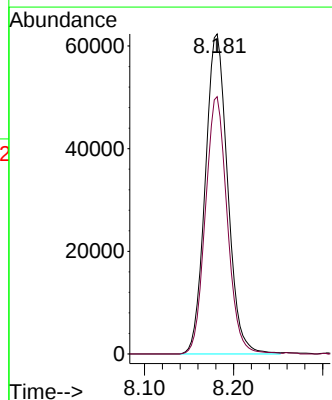
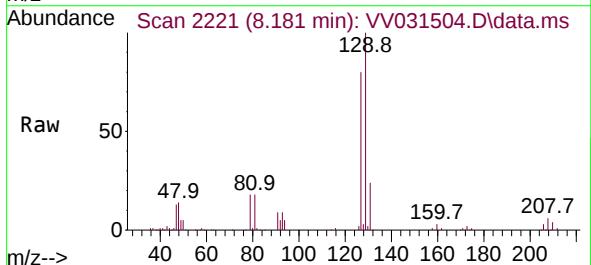
Instrument :
MSVOA_V
ClientSampleId :
VSTD050368

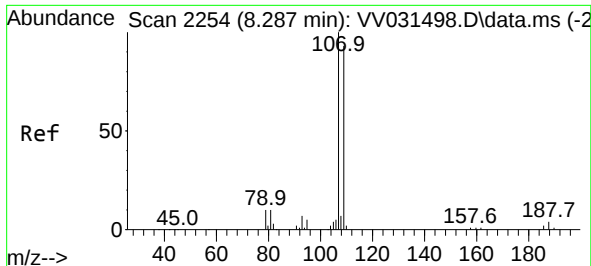
Tgt Ion: 43 Resp: 258937
Ion Ratio Lower Upper
43 100
58 50.8 42.9 64.3
57 18.9 14.6 22.0
100 10.2 8.2 12.2



#49
Dibromochloromethane
Concen: 44.242 ug/L
RT: 8.181 min Scan# 2221
Delta R.T. 0.000 min
Lab File: VV031504.D
Acq: 12 Jun 2023 15:06

Tgt Ion: 129 Resp: 108519
Ion Ratio Lower Upper
129 100
127 80.4 55.5 103.1

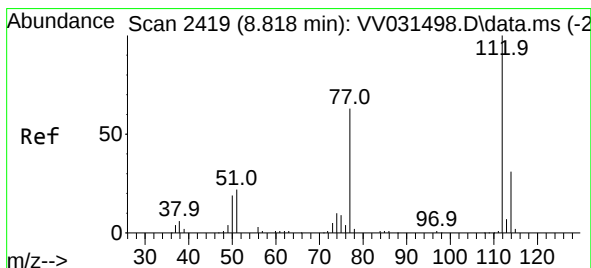
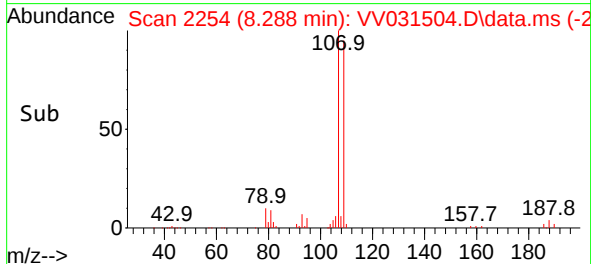
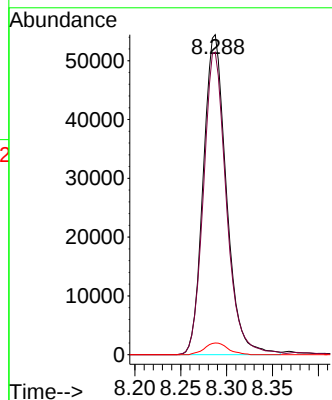
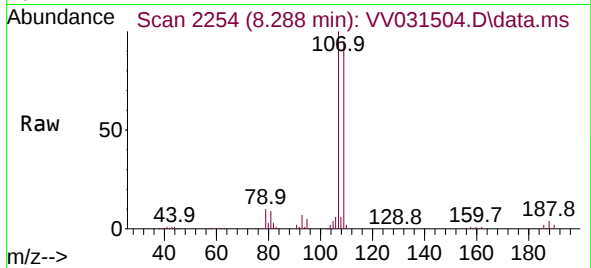




#50
1,2-Dibromoethane
Concen: 44.034 ug/L
RT: 8.288 min Scan# 211
Delta R.T. 0.000 min
Lab File: VV031504.D
Acq: 12 Jun 2023 15:06

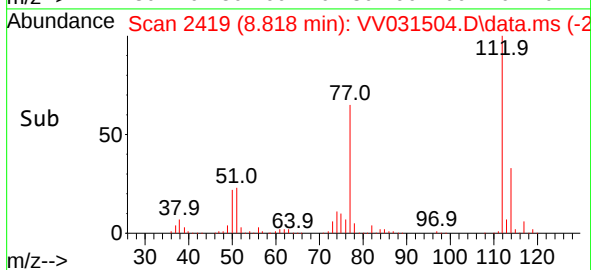
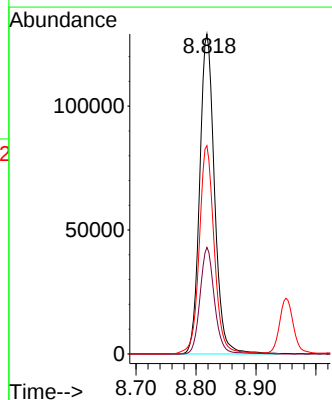
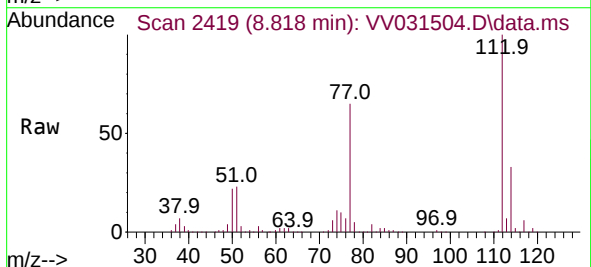
Instrument :
MSVOA_V
ClientSampleId :
VSTD050368

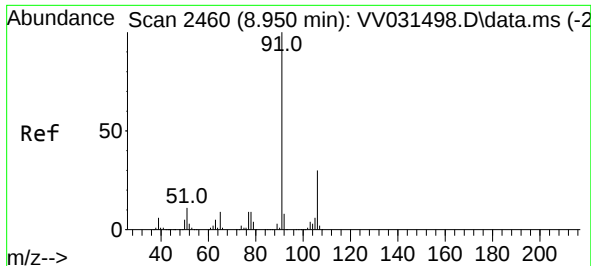
Tgt Ion:107 Resp: 95321
Ion Ratio Lower Upper
107 100
109 94.6 64.1 119.1
188 3.7 3.3 4.9



#51
Chlorobenzene
Concen: 43.275 ug/L
RT: 8.818 min Scan# 2419
Delta R.T. 0.000 min
Lab File: VV031504.D
Acq: 12 Jun 2023 15:06

Tgt Ion:112 Resp: 222591
Ion Ratio Lower Upper
112 100
114 33.3 22.4 41.6
77 65.1 52.4 78.6

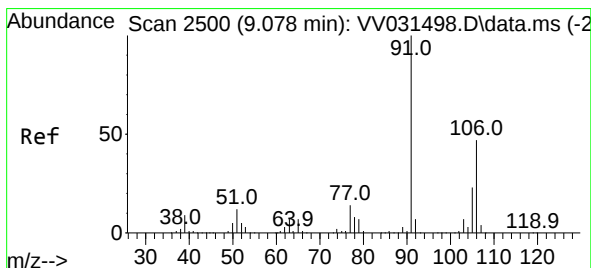
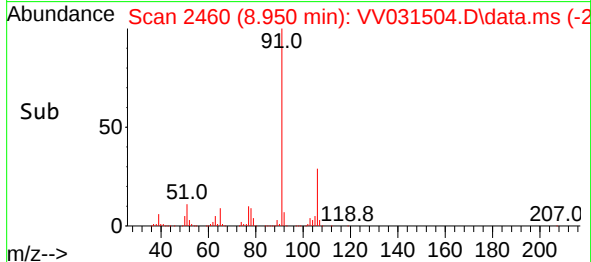
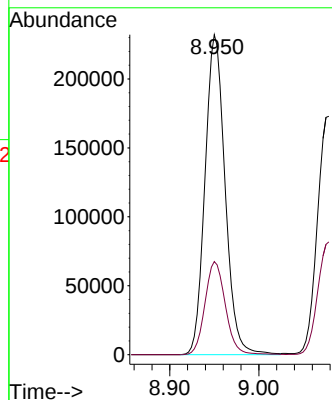
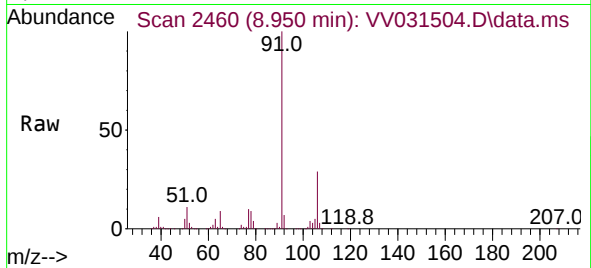




#52
Ethylbenzene
Concen: 43.151 ug/L
RT: 8.950 min Scan# 2460
Delta R.T. 0.000 min
Lab File: VV031504.D
Acq: 12 Jun 2023 15:06

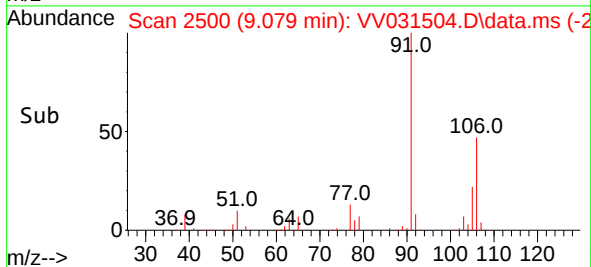
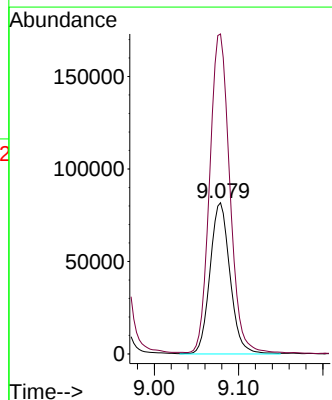
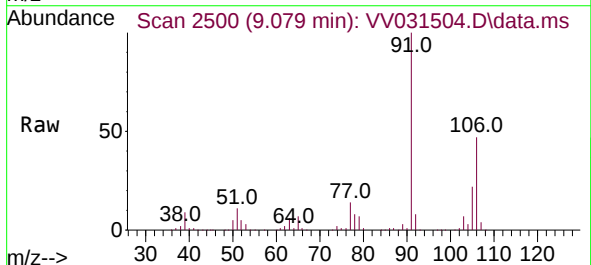
Instrument :
MSVOA_V
ClientSampleId :
VSTD050368

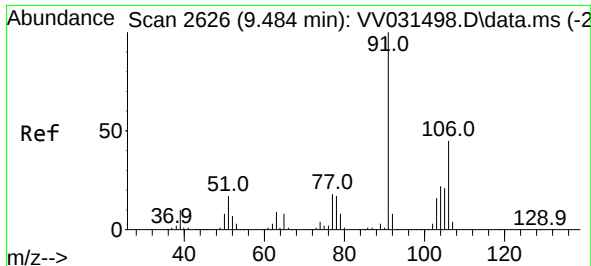
Tgt Ion: 91 Resp: 363286
Ion Ratio Lower Upper
91 100
106 29.1 20.4 38.0



#53
m,p-Xylene
Concen: 44.476 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. 0.000 min
Lab File: VV031504.D
Acq: 12 Jun 2023 15:06

Tgt Ion: 106 Resp: 134937
Ion Ratio Lower Upper
106 100
91 211.5 149.4 277.5

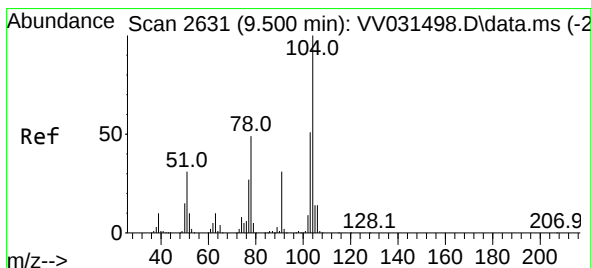
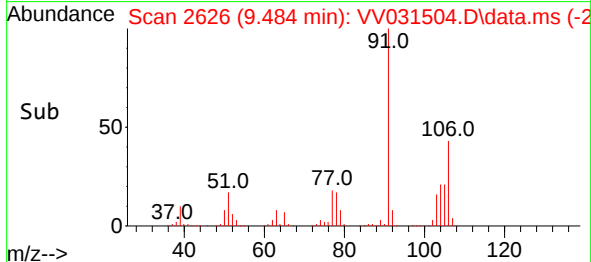
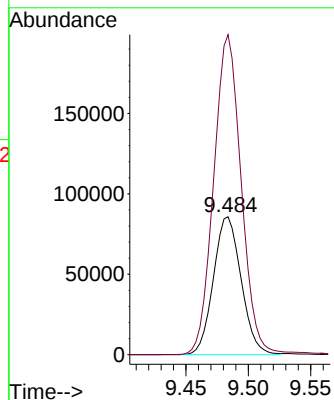
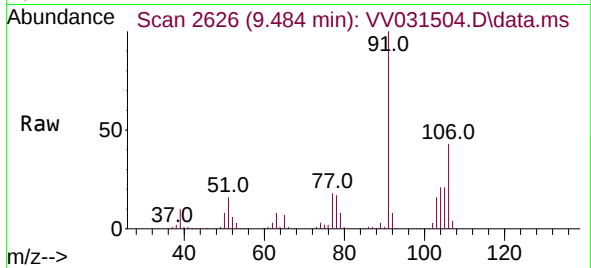




#54
o-Xylene
Concen: 43.443 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VV031504.D
Acq: 12 Jun 2023 15:06

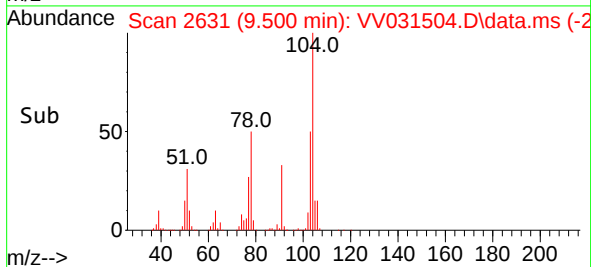
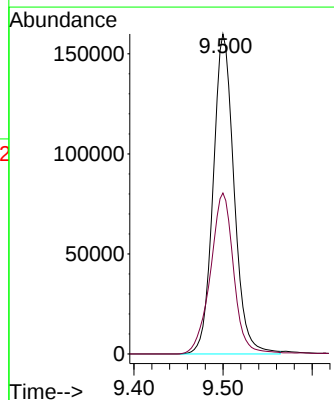
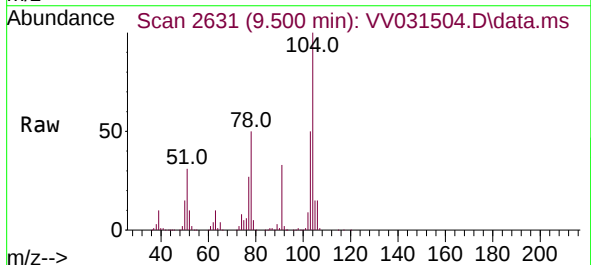
Instrument :
MSVOA_V
ClientSampleId :
VSTD050368

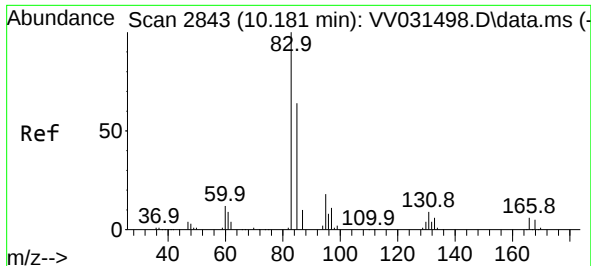
Tgt Ion:106 Resp: 132962
Ion Ratio Lower Upper
106 100
91 232.0 163.8 304.2



#55
Styrene
Concen: 46.741 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.000 min
Lab File: VV031504.D
Acq: 12 Jun 2023 15:06

Tgt Ion:104 Resp: 260812
Ion Ratio Lower Upper
104 100
78 50.3 35.9 66.7

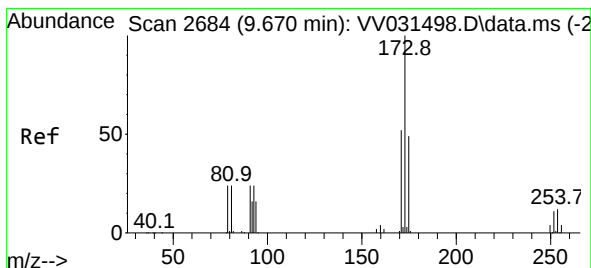
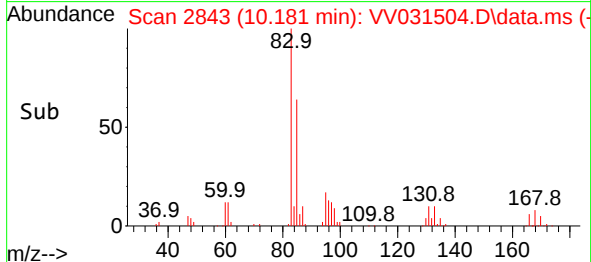
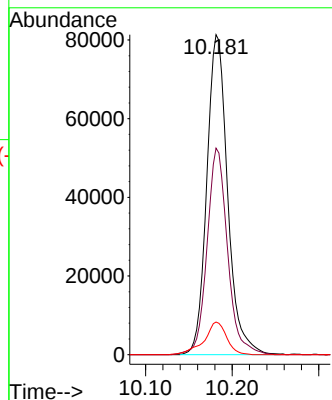
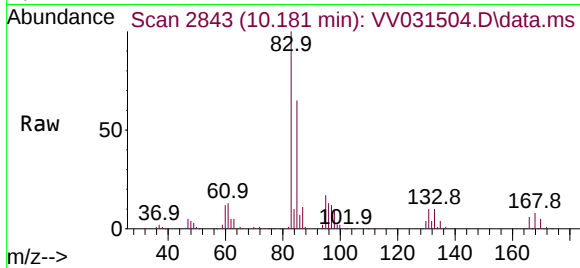




#57
1,1,2,2-Tetrachloroethane
Concen: 39.489 ug/L
RT: 10.181 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VV031504.D
Acq: 12 Jun 2023 15:06

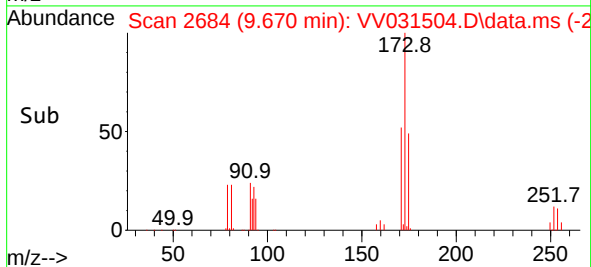
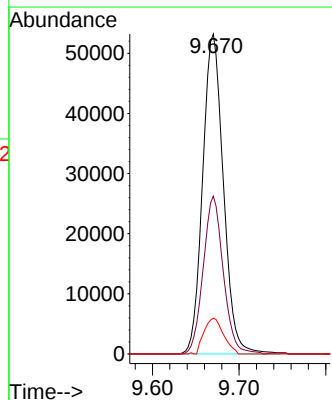
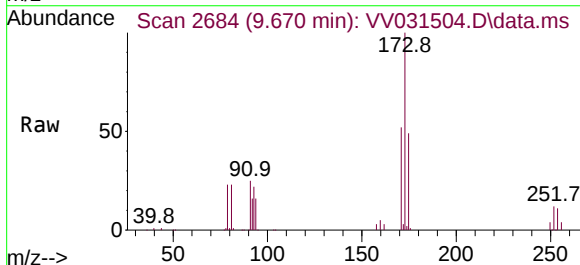
Instrument :
MSVOA_V
ClientSampleId :
VSTD050368

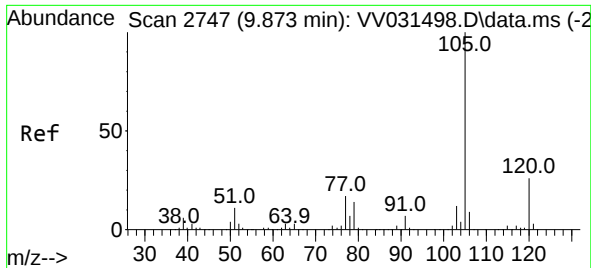
Tgt Ion: 83 Resp: 136114
Ion Ratio Lower Upper
83 100
85 64.6 43.7 81.1
131 10.2 7.3 10.9



#59
Bromoform
Concen: 41.239 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. 0.000 min
Lab File: VV031504.D
Acq: 12 Jun 2023 15:06

Tgt Ion: 173 Resp: 88492
Ion Ratio Lower Upper
173 100
175 47.8 38.8 58.2
254 10.5 8.7 13.1

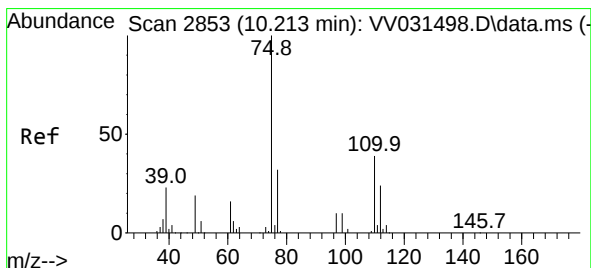
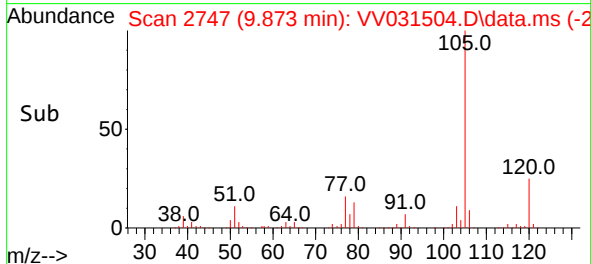
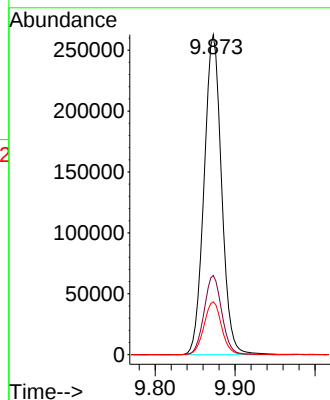
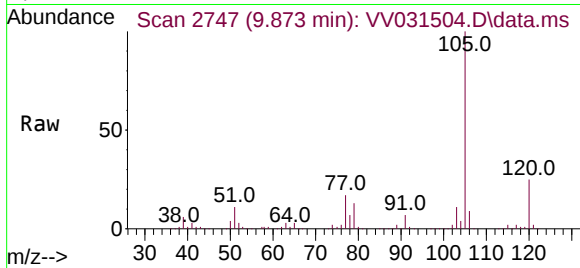




#60
Isopropylbenzene
Concen: 41.799 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031504.D
Acq: 12 Jun 2023 15:06

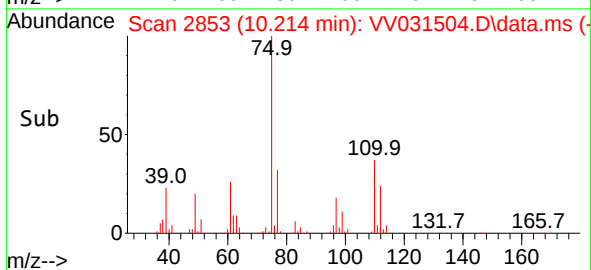
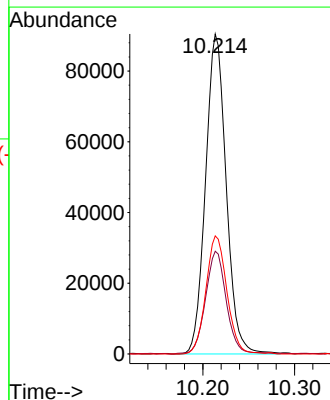
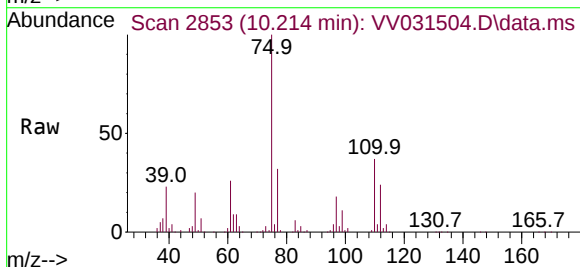
Instrument :
MSVOA_V
ClientSampleId :
VSTD050368

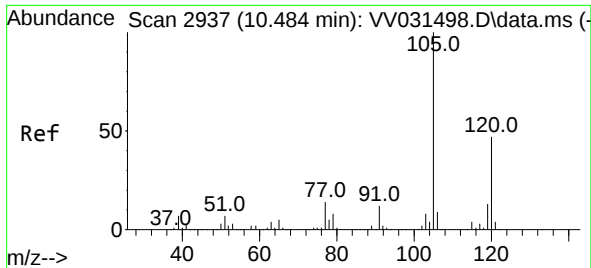
Tgt Ion:105 Resp: 399997
Ion Ratio Lower Upper
105 100
120 25.1 20.6 30.8
77 16.5 13.8 20.8



#61
1,2,3-Trichloropropane
Concen: 41.809 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. 0.000 min
Lab File: VV031504.D
Acq: 12 Jun 2023 15:06

Tgt Ion: 75 Resp: 141739
Ion Ratio Lower Upper
75 100
77 32.4 25.6 38.4
110 37.5 29.5 44.3

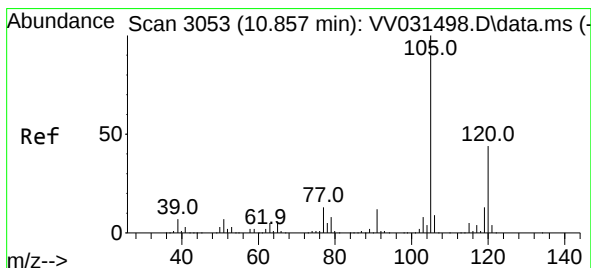
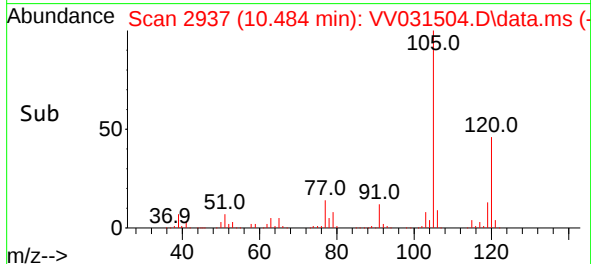
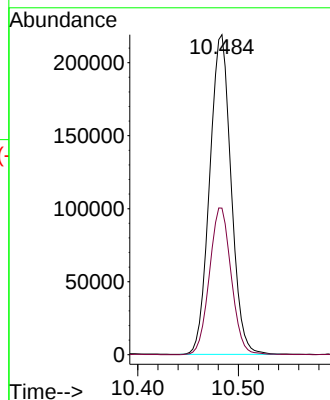
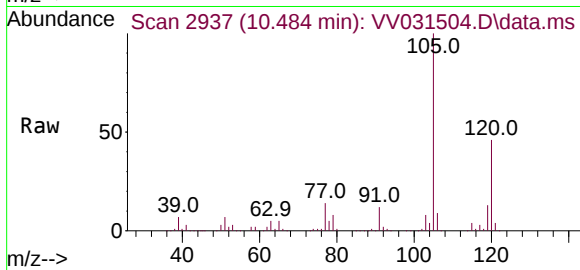




#62
 1,3,5-Trimethylbenzene
 Concen: 41.060 ug/L
 RT: 10.484 min Scan# 2937
 Delta R.T. 0.000 min
 Lab File: VV031504.D
 Acq: 12 Jun 2023 15:06

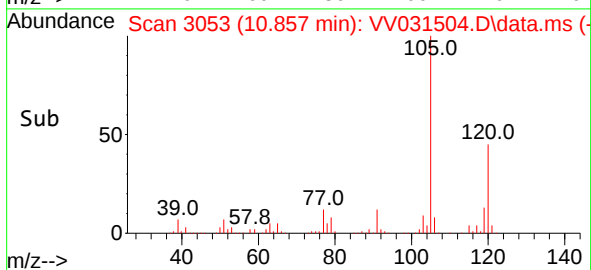
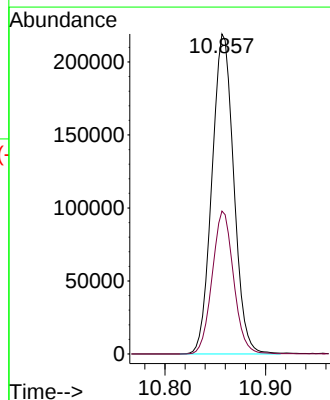
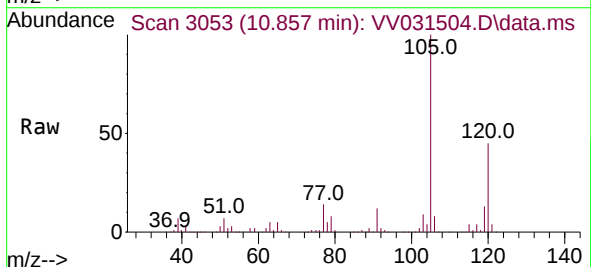
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050368

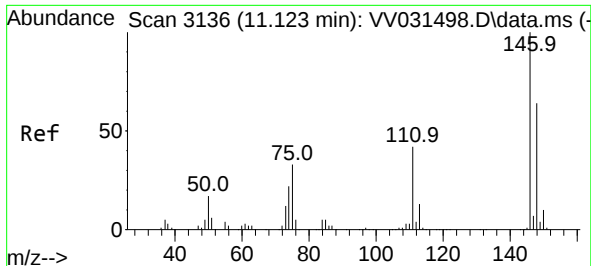
Tgt Ion:105 Resp: 324502
 Ion Ratio Lower Upper
 105 100
 120 46.7 36.8 55.2



#63
 1,2,4-Trimethylbenzene
 Concen: 41.800 ug/L
 RT: 10.857 min Scan# 3053
 Delta R.T. 0.000 min
 Lab File: VV031504.D
 Acq: 12 Jun 2023 15:06

Tgt Ion:105 Resp: 330672
 Ion Ratio Lower Upper
 105 100
 120 43.7 35.0 52.4

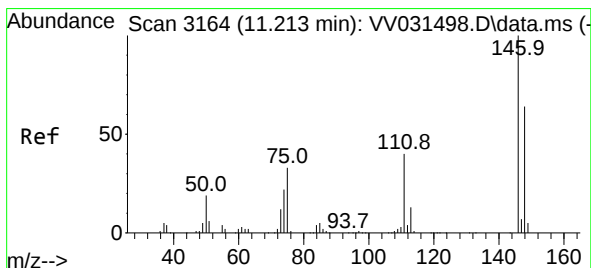
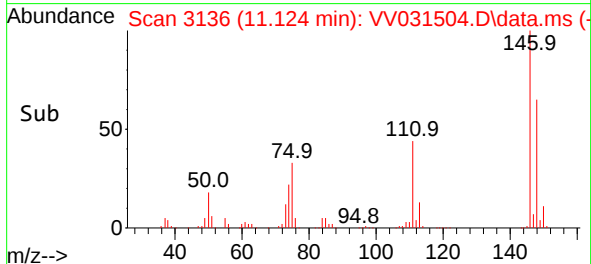
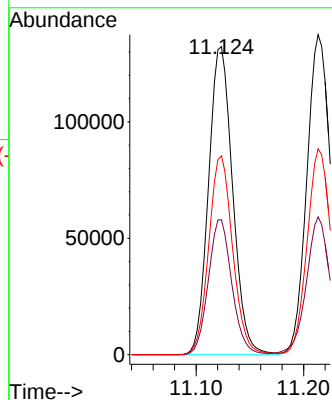
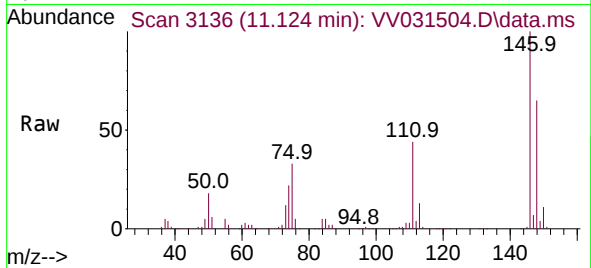




#64
1,3-Dichlorobenzene
Concen: 42.093 ug/L
RT: 11.124 min Scan# 3136
Delta R.T. 0.000 min
Lab File: VV031504.D
Acq: 12 Jun 2023 15:06

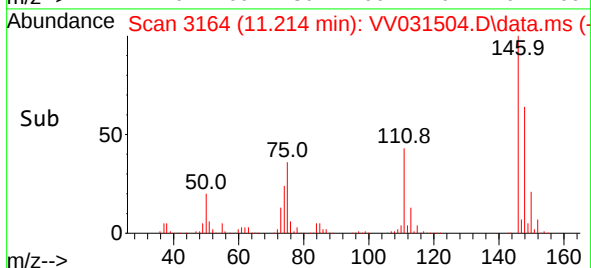
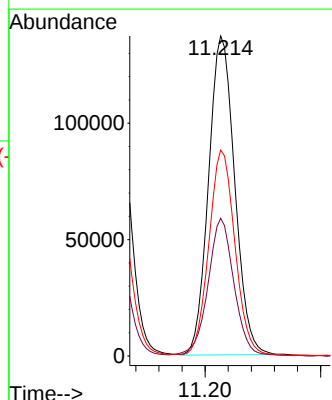
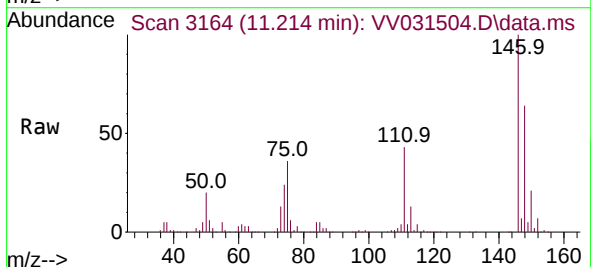
Instrument :
MSVOA_V
ClientSampleId :
VSTD050368

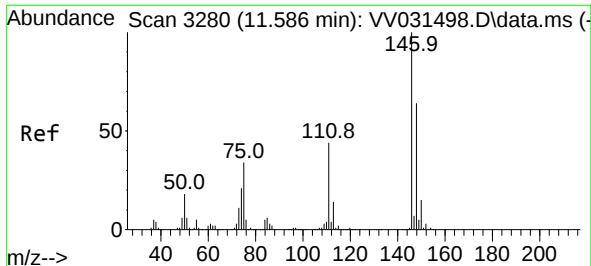
Tgt Ion:146 Resp: 206181
Ion Ratio Lower Upper
146 100
111 43.8 29.3 54.5
148 64.6 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 41.537 ug/L
RT: 11.214 min Scan# 3164
Delta R.T. 0.000 min
Lab File: VV031504.D
Acq: 12 Jun 2023 15:06

Tgt Ion:146 Resp: 215204
Ion Ratio Lower Upper
146 100
111 43.0 28.1 52.3
148 64.4 45.1 83.7





#67

1,2-Dichlorobenzene

Concen: 42.683 ug/L

RT: 11.586 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031504.D

Acq: 12 Jun 2023 15:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD050368

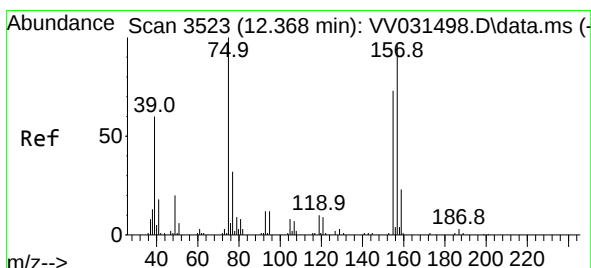
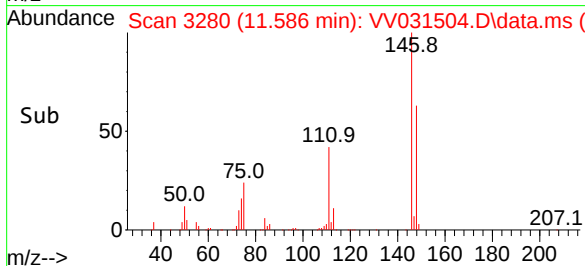
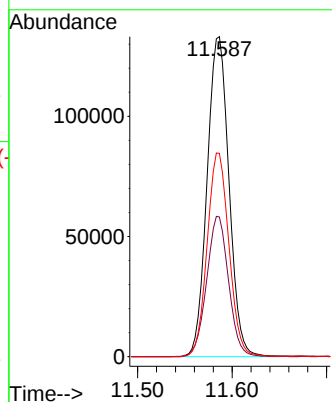
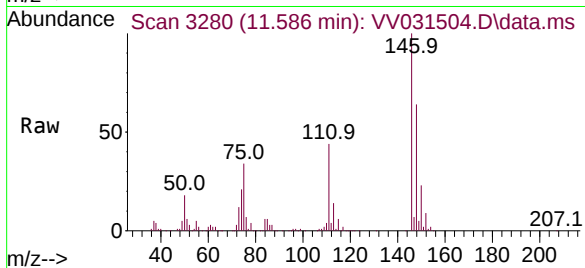
Tgt Ion:146 Resp: 214325

Ion Ratio Lower Upper

146 100

111 43.7 34.5 51.7

148 63.5 51.5 77.3



#68

1,2-Dibromo-3-chloropropane

Concen: 40.827 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. 0.003 min

Lab File: VV031504.D

Acq: 12 Jun 2023 15:06

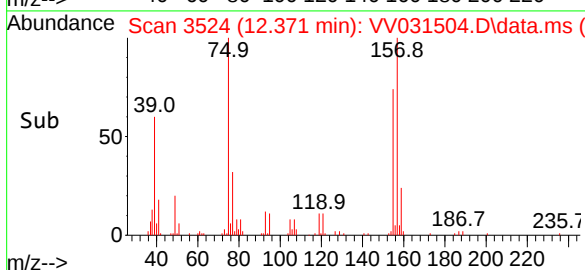
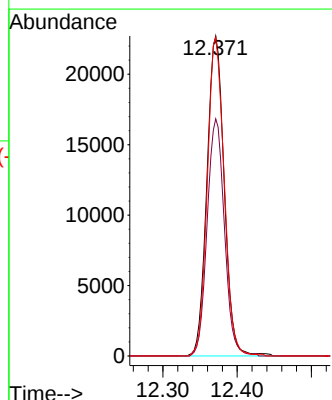
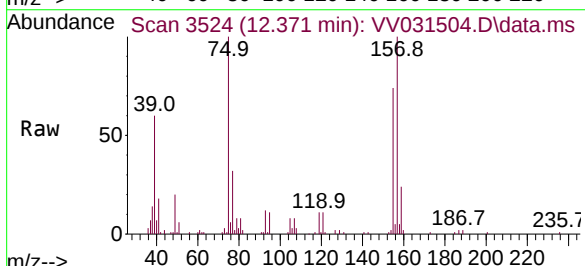
Tgt Ion: 75 Resp: 36687

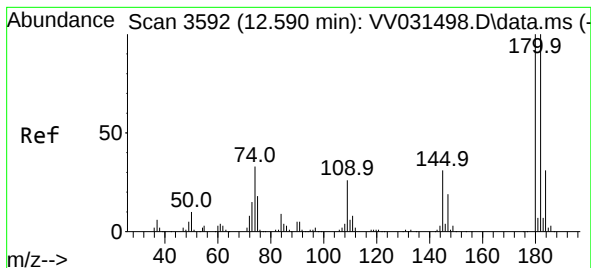
Ion Ratio Lower Upper

75 100

155 74.1 62.1 93.1

157 99.5 74.9 112.3





#69

1,3,5-Trichlorobenzene

Concen: 42.506 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. 0.000 min

Lab File: VV031504.D

Acq: 12 Jun 2023 15:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD050368

Tgt Ion:180 Resp: 160293

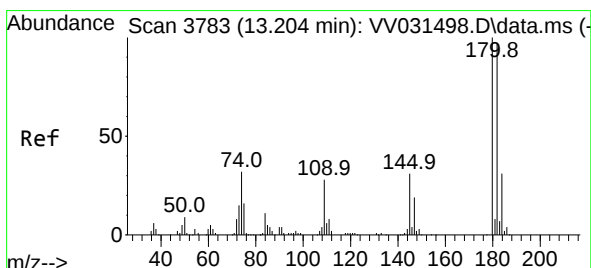
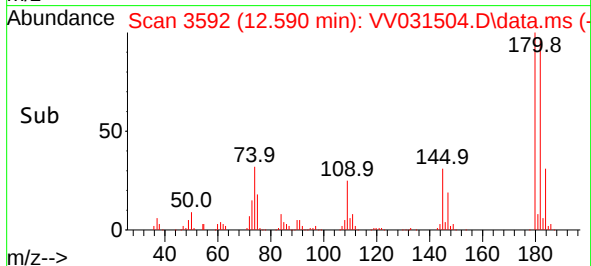
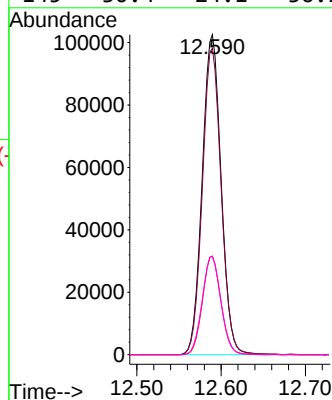
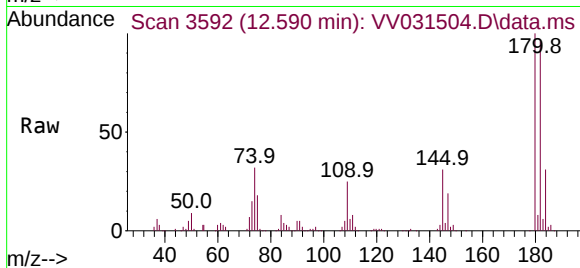
Ion Ratio Lower Upper

180 100

182 94.9 75.7 113.5

184 30.0 23.9 35.9

145 30.4 24.1 36.1



#70

1,2,4-trichlorobenzene

Concen: 42.552 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. 0.000 min

Lab File: VV031504.D

Acq: 12 Jun 2023 15:06

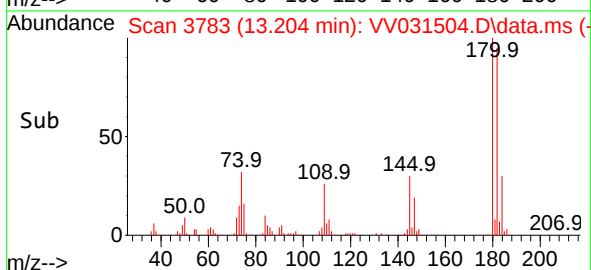
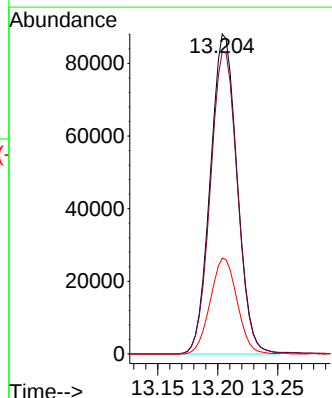
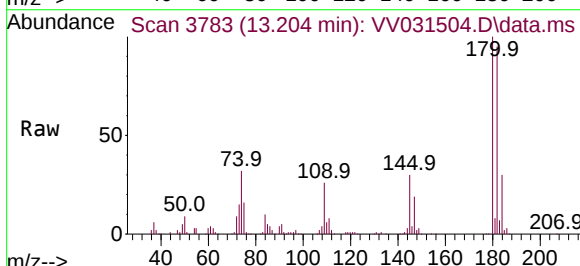
Tgt Ion:180 Resp: 136900

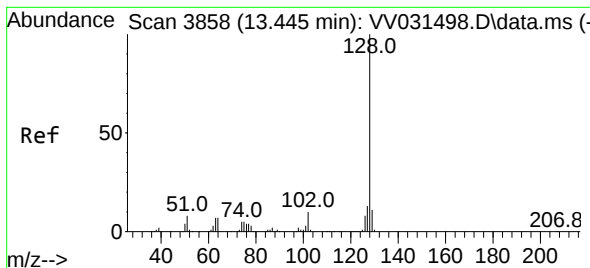
Ion Ratio Lower Upper

180 100

182 95.7 77.0 115.6

145 29.9 24.2 36.2





#71

Naphthalene

Concen: 37.419 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. 0.000 min

Lab File: VV031504.D

Acq: 12 Jun 2023 15:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD050368

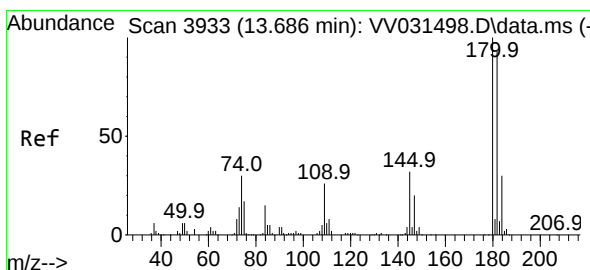
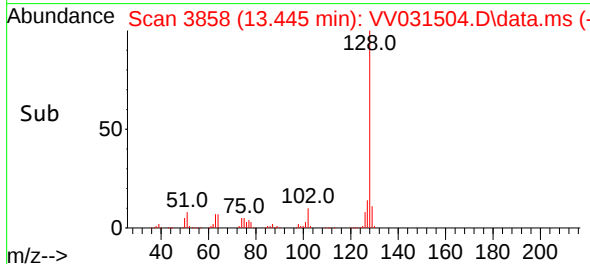
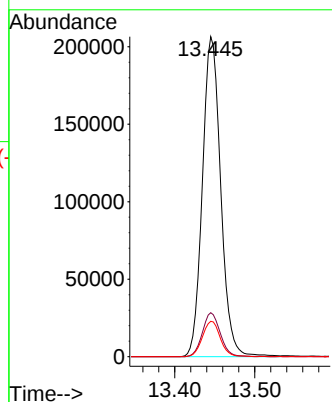
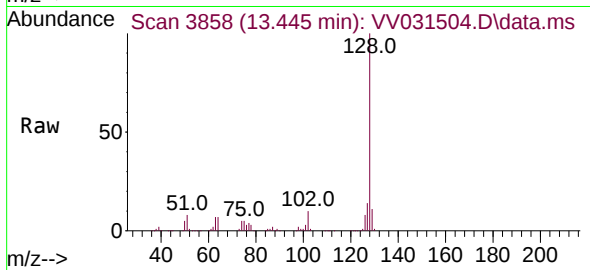
Tgt Ion:128 Resp: 329954

Ion Ratio Lower Upper

128 100

127 13.4 10.7 16.1

129 10.7 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 43.279 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. 0.000 min

Lab File: VV031504.D

Acq: 12 Jun 2023 15:06

Tgt Ion:180 Resp: 139563

Ion Ratio Lower Upper

180 100

182 96.1 77.4 116.2

145 32.6 25.6 38.4

