

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061523\
 Data File : VW031544.D
 Acq On : 15 Jun 2023 20:43
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050372

Quant Time: Jun 16 02:52:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM061423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 16 02:44:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	256005	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	243569	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	147385	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.285	65	70560	41.413	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.820%
7) Chloroethane-d5	1.539	69	63379	42.633	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.260%
11) 1,1-Dichloroethene-d2	2.066	65	37303	42.481	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.960%
21) 2-Butanone-d5	3.805	46	133046	96.437	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.440%
24) Chloroform-d	4.259	84	185674	43.514	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.020%
26) 1,2-Dichloroethane-d4	4.950	65	120111	44.990	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.980%
32) Benzene-d6	4.966	84	326888	47.680	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.360%
36) 1,2-Dichloropropane-d6	5.995	67	115273	47.438	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.880%
41) Toluene-d8	7.249	98	309451	49.186	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.380%
43) trans-1,3-Dichloroprop...	7.558	79	55702	47.022	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.040%
47) 2-Hexanone-d5	8.030	63	100745	105.005	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.010%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	169389	46.183	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.360%
66) 1,2-Dichlorobenzene-d4	11.567	152	133126	47.386	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.780%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.111	85	117519	43.278	ug/L	99
3) Chloromethane	1.217	50	109404	42.697	ug/L	100
5) Vinyl chloride	1.288	62	110690	43.578	ug/L	100
6) Bromomethane	1.494	94	68557	41.411	ug/L	100
8) Chloroethane	1.555	64	67326	41.039	ug/L	98
9) Trichlorofluoromethane	1.719	101	187172	44.293	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	100963	44.583	ug/L	97
12) 1,1-Dichloroethene	2.076	96	84267	44.486	ug/L	96
13) Acetone	2.130	43	84901	62.366	ug/L	97
14) Carbon disulfide	2.249	76	258507	45.116	ug/L	99
15) Methyl Acetate	2.381	43	110217	48.087	ug/L	100
16) Methylene chloride	2.455	84	101882	42.900	ug/L	98
17) trans-1,2-Dichloroethene	2.703	96	87957	44.484	ug/L	97
18) Methyl tert-butyl Ether	2.712	73	322160	48.830	ug/L	99
19) 1,1-Dichloroethane	3.121	63	193486	45.339	ug/L	98
20) cis-1,2-Dichloroethene	3.825	96	101516	47.508	ug/L	98
22) 2-Butanone	3.883	43	135564	79.713	ug/L	99
23) Bromochloromethane	4.156	128	52896	45.795	ug/L	93
25) Chloroform	4.285	83	206829	46.622	ug/L	100

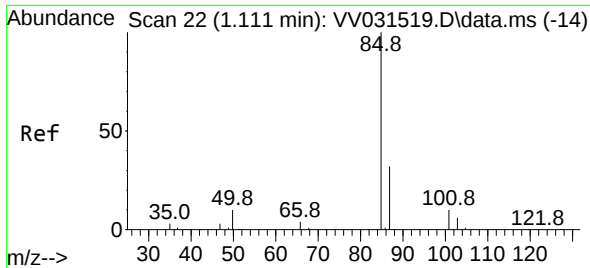
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061523\
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	159924	46.709	ug/L	97
29) Cyclohexane	4.593	56	158435	49.997	ug/L	97
30) 1,1,1-Trichloroethane	4.519	97	180716	46.277	ug/L	99
31) Carbon tetrachloride	4.744	117	161983	46.815	ug/L	99
33) Benzene	5.018	78	392461	48.396	ug/L	100
34) Trichloroethene	5.838	95	106413	49.107	ug/L	98
35) Methylcyclohexane	6.056	83	153608	48.110	ug/L	99
37) 1,2-Dichloropropane	6.098	63	111475	46.813	ug/L	100
38) Bromodichloromethane	6.439	83	152776	47.466	ug/L	98
39) cis-1,3-Dichloropropene	6.960	75	169570	47.972	ug/L	99
40) 4-Methyl-2-pentanone	7.165	43	286955	102.627	ug/L	99
42) Toluene	7.320	91	417111	49.609	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	165876	48.187	ug/L	98
45) 1,1,2-Trichloroethane	7.773	97	106639	47.406	ug/L	98
46) Tetrachloroethene	7.911	164	80531	47.351	ug/L	98
48) 2-Hexanone	8.082	43	219985	98.510	ug/L	98
49) Dibromochloromethane	8.182	129	119122	47.647	ug/L	100
50) 1,2-Dibromoethane	8.288	107	115170	48.083	ug/L	99
51) Chlorobenzene	8.818	112	266154	47.795	ug/L	99
52) Ethylbenzene	8.950	91	463783	49.434	ug/L	99
53) m,p-Xylene	9.079	106	170877	49.735	ug/L	96
54) o-Xylene	9.484	106	165618	50.796	ug/L	99
55) Styrene	9.500	104	300499	51.606	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.185	83	175750	47.817	ug/L #	96
59) Bromoform	9.670	173	90354	49.456	ug/L #	96
60) Isopropylbenzene	9.873	105	464049	49.387	ug/L	100
61) 1,2,3-Trichloropropane	10.214	75	134660	46.258	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	389079	50.101	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	366786	50.690	ug/L	99
64) 1,3-Dichlorobenzene	11.124	146	224317	47.618	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	233877	46.590	ug/L	98
67) 1,2-Dichlorobenzene	11.587	146	226547	47.648	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.371	75	39578	45.807	ug/L	97
69) 1,3,5-Trichlorobenzene	12.590	180	168502	46.943	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	151313	48.092	ug/L	98
71) Naphthalene	13.445	128	410459	51.504	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	156481	47.860	ug/L	97

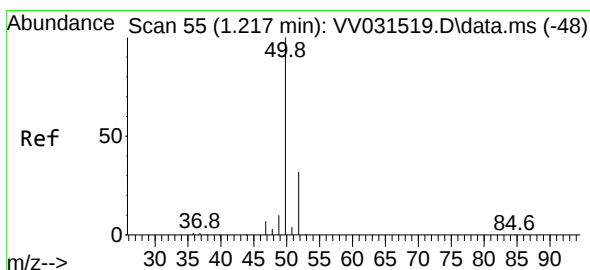
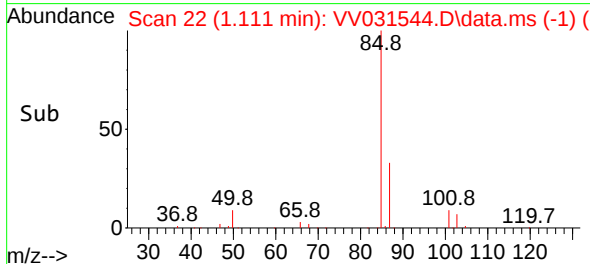
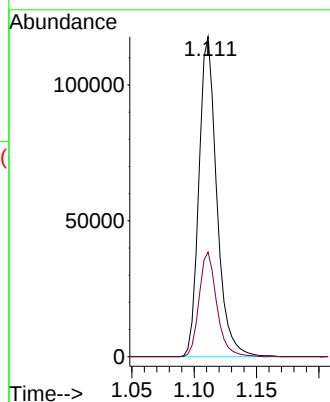
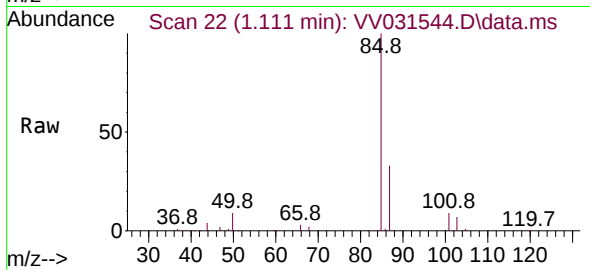
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#2
 Dichlorodifluoromethane
 Concen: 43.278 ug/L
 RT: 1.111 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV031544.D
 Acq: 15 Jun 2023 20:43

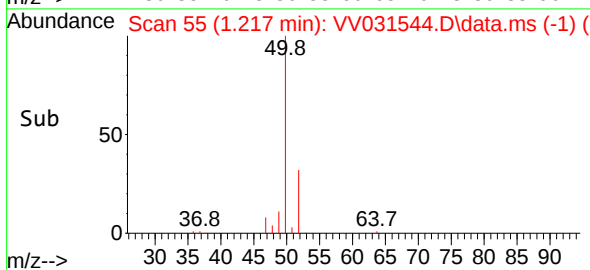
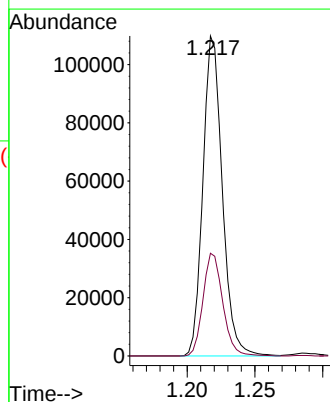
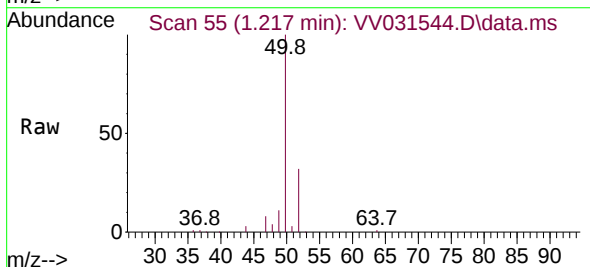
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050372

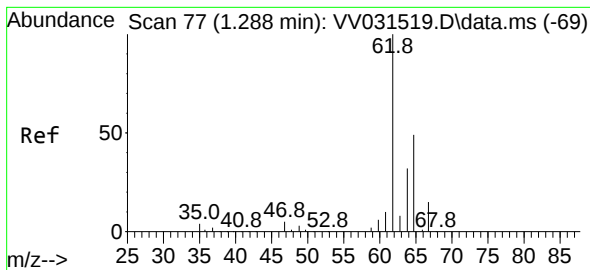
Tgt Ion: 85 Resp: 117519
 Ion Ratio Lower Upper
 85 100
 87 32.3 25.5 38.3



#3
 Chloromethane
 Concen: 42.697 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV031544.D
 Acq: 15 Jun 2023 20:43

Tgt Ion: 50 Resp: 109404
 Ion Ratio Lower Upper
 50 100
 52 32.1 22.3 41.5





#5

Vinyl chloride

Concen: 43.578 ug/L

RT: 1.288 min Scan# 71

Delta R.T. 0.000 min

Lab File: VV031544.D

Acq: 15 Jun 2023 20:43

Instrument :

MSVOA_V

ClientSampleId :

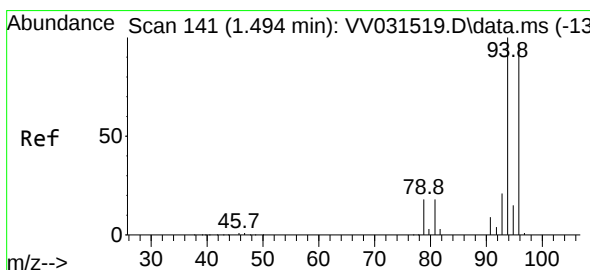
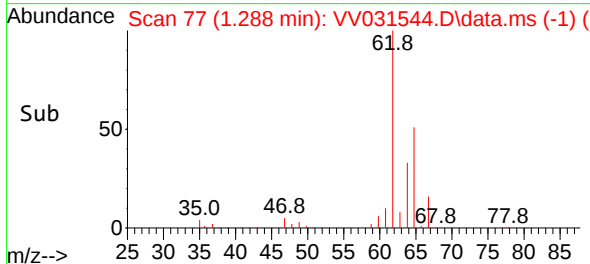
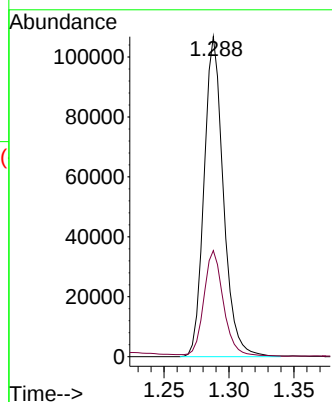
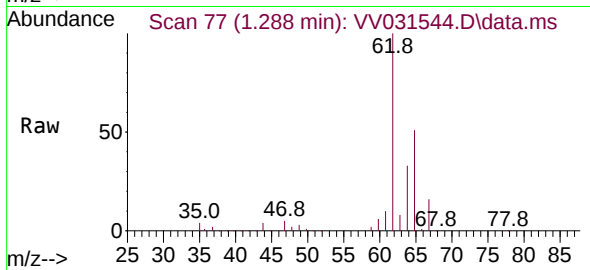
VSTD050372

Tgt Ion: 62 Resp: 110690

Ion Ratio Lower Upper

62 100

64 33.2 23.4 43.4



#6

Bromomethane

Concen: 41.411 ug/L

RT: 1.494 min Scan# 141

Delta R.T. 0.000 min

Lab File: VV031544.D

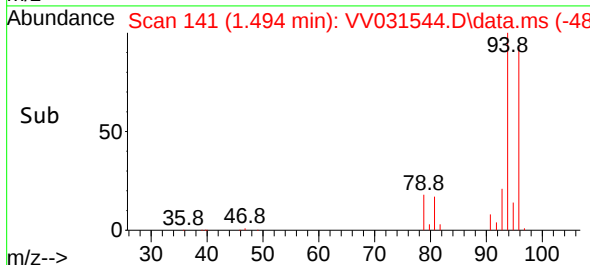
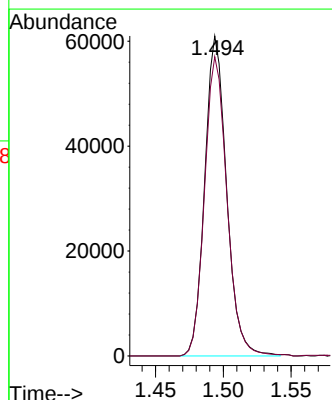
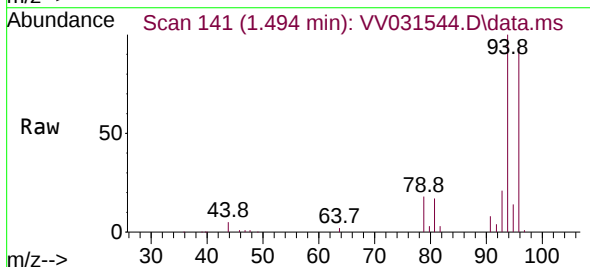
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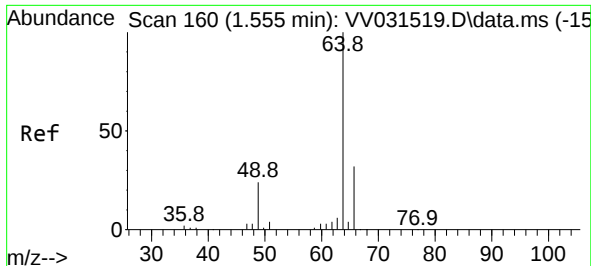
Tgt Ion: 94 Resp: 68557

Ion Ratio Lower Upper

94 100

96 93.5 65.4 121.4

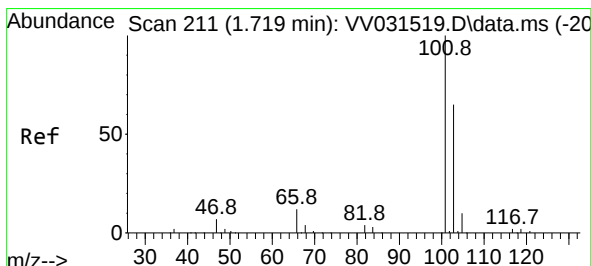
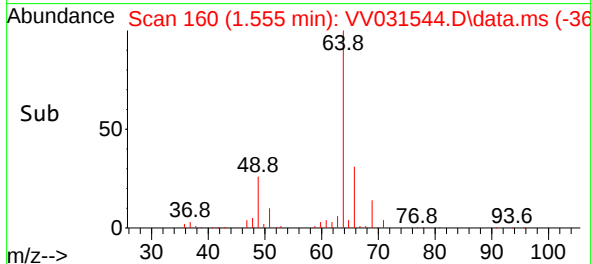
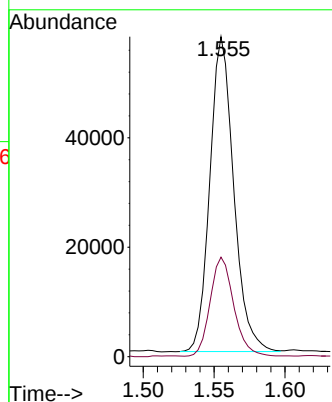
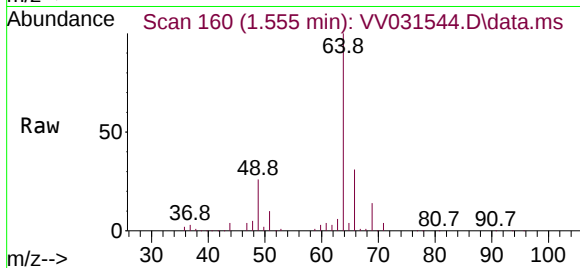




#8
Chloroethane
Concen: 41.039 ug/L
RT: 1.555 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV031544.D
Acq: 15 Jun 2023 20:43

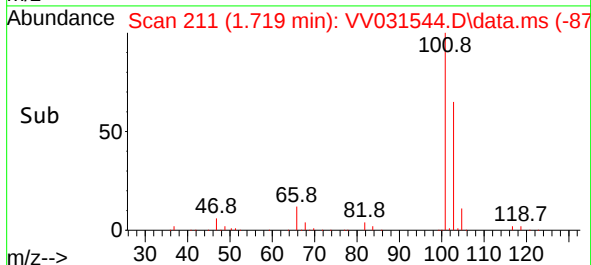
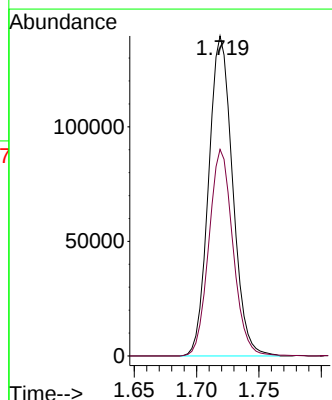
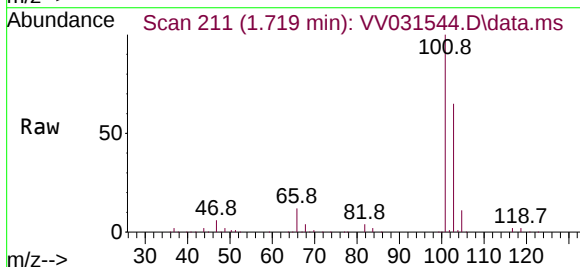
Instrument :
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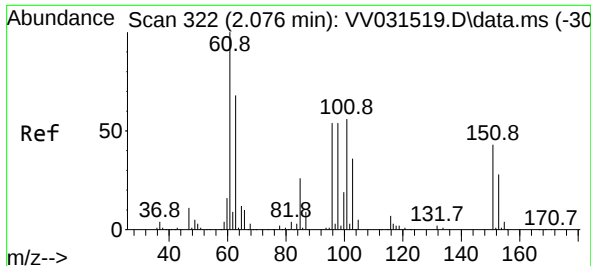
Tgt Ion: 64 Resp: 67326
Ion Ratio Lower Upper
64 100
66 31.1 21.0 39.0



#9
Trichlorofluoromethane
Concen: 44.293 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.000 min
Lab File: VV031544.D
Acq: 15 Jun 2023 20:43

Tgt Ion:101 Resp: 187172
Ion Ratio Lower Upper
101 100
103 64.9 50.9 76.3





#10

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

Concen: 44.583 ug/L

RT: 2.076 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031544.D

Acq: 15 Jun 2023 20:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD050372

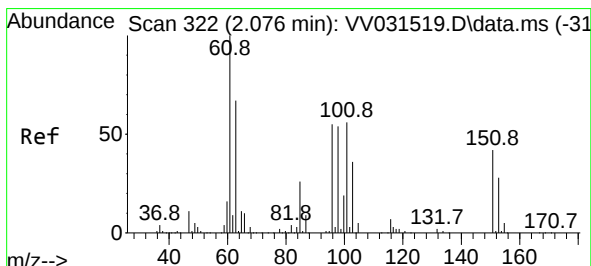
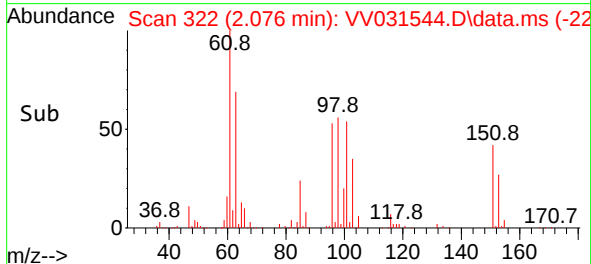
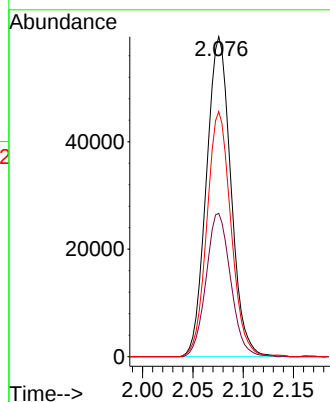
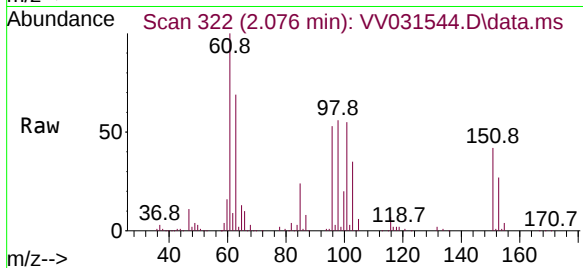
Tgt Ion:101 Resp: 100963

Ion Ratio Lower Upper

101 100

85 44.8 37.4 56.0

151 75.2 62.3 93.5



#12

1,1-Dichloroethene

Concen: 44.486 ug/L

RT: 2.076 min Scan# 322

Delta R.T. 0.000 min

Lab File: VV031544.D

Acq: 15 Jun 2023 20:43

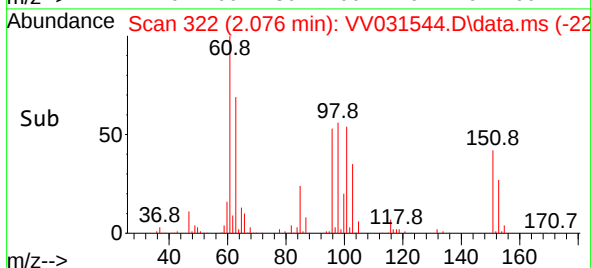
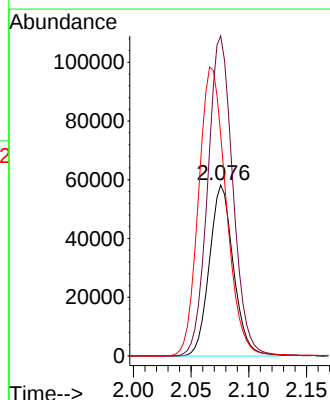
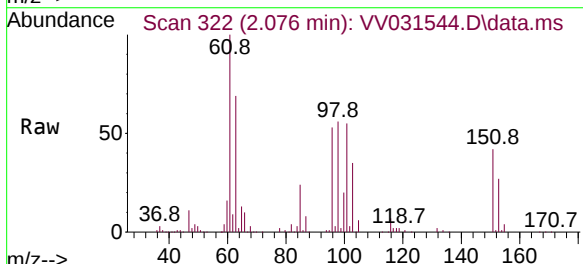
Tgt Ion: 96 Resp: 84267

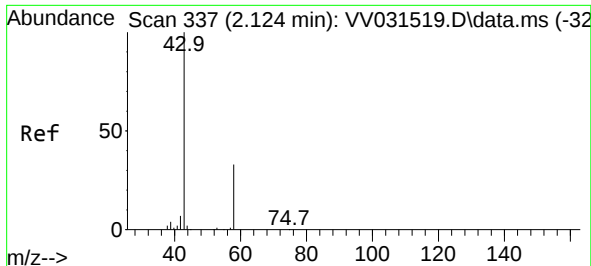
Ion Ratio Lower Upper

96 100

61 187.2 128.9 239.5

63 129.6 95.3 177.1





#13

Acetone

Concen: 62.366 ug/L

RT: 2.130 min Scan# 31

Delta R.T. 0.007 min

Lab File: VV031544.D

Acq: 15 Jun 2023 20:43

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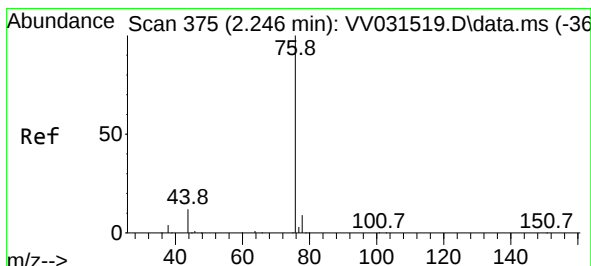
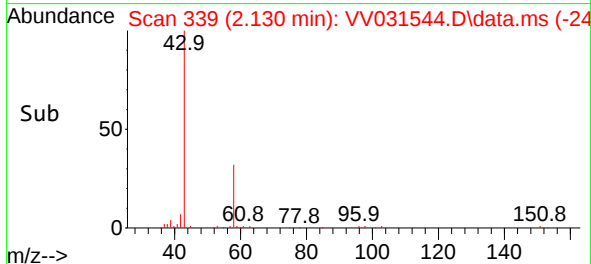
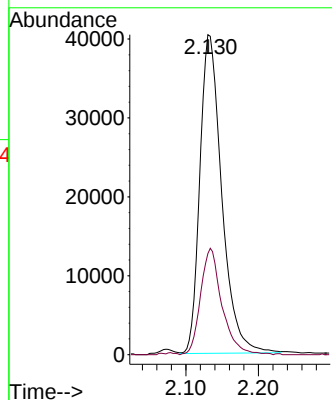
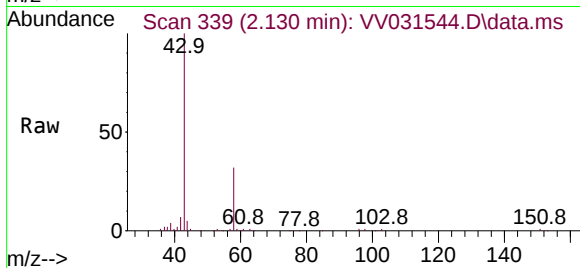
VSTD050372

Tgt Ion: 43 Resp: 84901

Ion Ratio Lower Upper

43 100

58 32.4 0.0 68.6



#14

Carbon disulfide

Concen: 45.116 ug/L

RT: 2.249 min Scan# 376

Delta R.T. 0.003 min

Lab File: VV031544.D

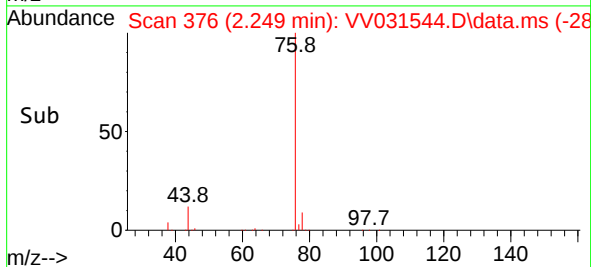
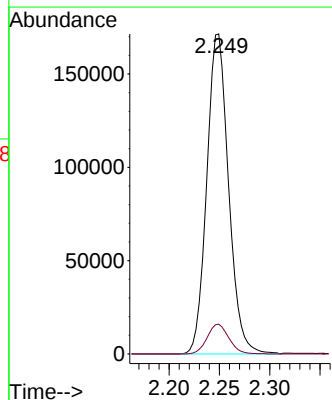
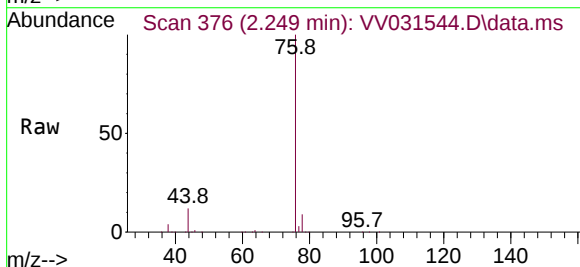
Acq: 15 Jun 2023 20:43

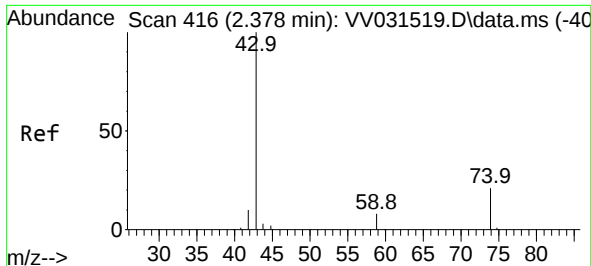
Tgt Ion: 76 Resp: 258507

Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7

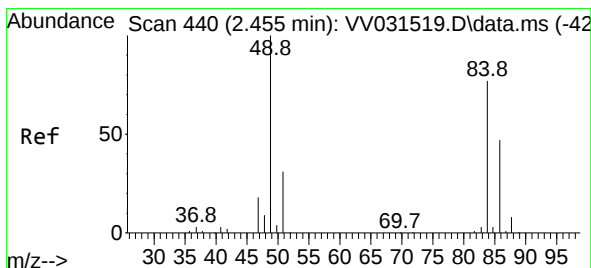
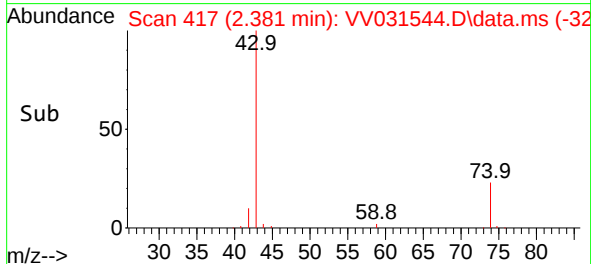
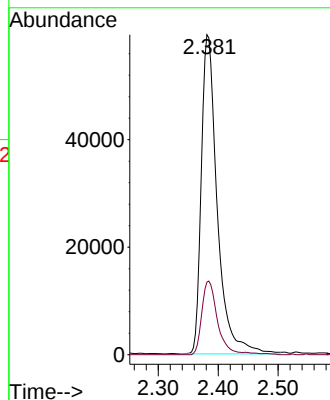
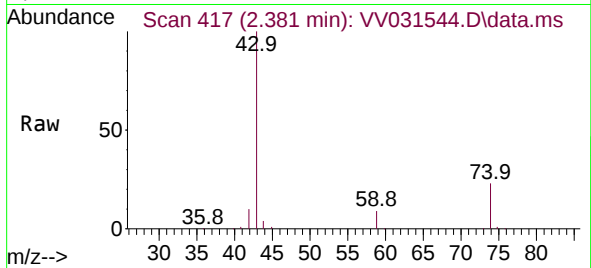




#15
Methyl Acetate
Concen: 48.087 ug/L
RT: 2.381 min Scan# 416
Delta R.T. 0.003 min
Lab File: VV031544.D
Acq: 15 Jun 2023 20:43

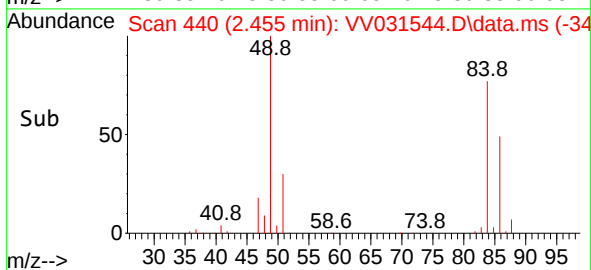
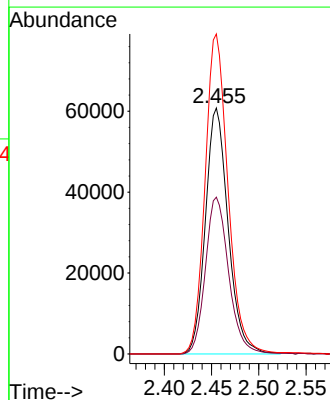
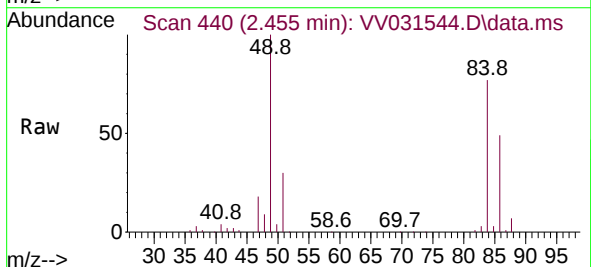
Instrument :
MSVOA_V
ClientSampleId :
VSTD050372

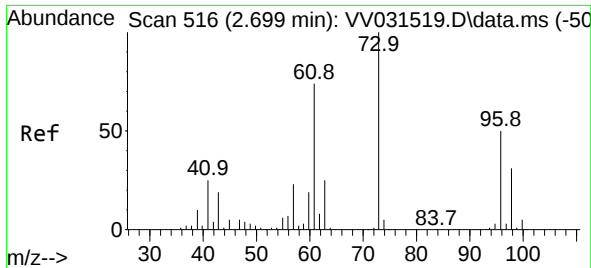
Tgt Ion: 43 Resp: 110217
Ion Ratio Lower Upper
43 100
74 22.2 17.8 26.6



#16
Methylene chloride
Concen: 42.900 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.000 min
Lab File: VV031544.D
Acq: 15 Jun 2023 20:43

Tgt Ion: 84 Resp: 101882
Ion Ratio Lower Upper
84 100
86 63.8 45.8 85.0
49 130.1 92.1 171.1

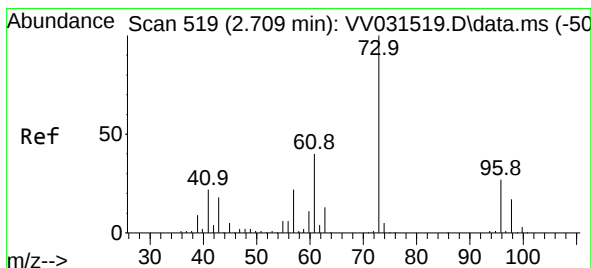
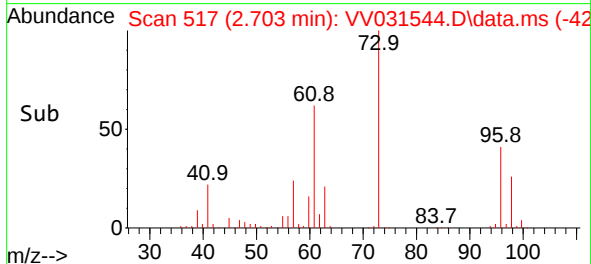
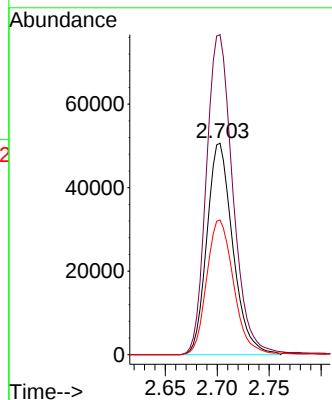
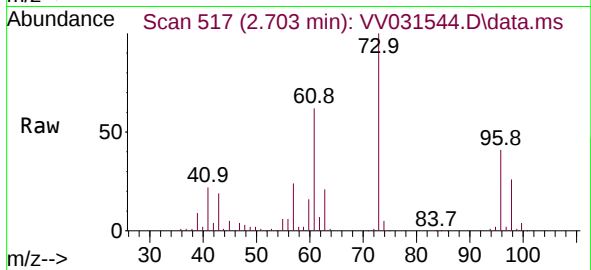




#17
trans-1,2-Dichloroethene
Concen: 44.484 ug/L
RT: 2.703 min Scan# 516
Delta R.T. 0.003 min
Lab File: VV031544.D
Acq: 15 Jun 2023 20:43

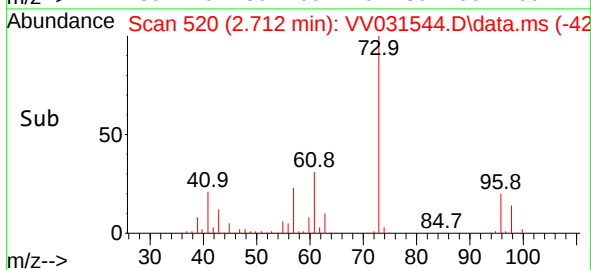
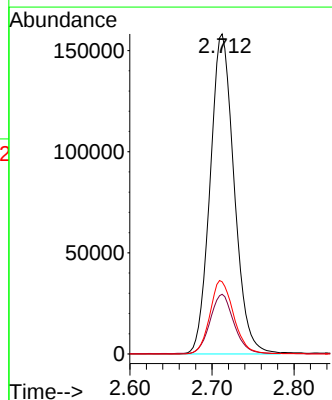
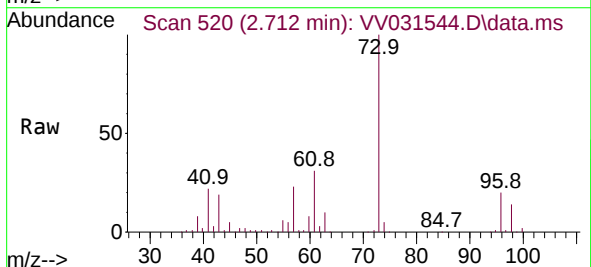
Instrument :
MSVOA_V
ClientSampleId :
VSTD050372

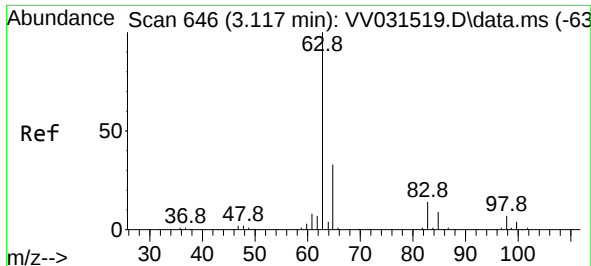
Tgt Ion: 96 Resp: 87957
Ion Ratio Lower Upper
96 100
61 151.3 102.5 190.3
98 63.7 44.1 81.9



#18
Methyl tert-butyl Ether
Concen: 48.830 ug/L
RT: 2.712 min Scan# 520
Delta R.T. 0.003 min
Lab File: VV031544.D
Acq: 15 Jun 2023 20:43

Tgt Ion: 73 Resp: 322160
Ion Ratio Lower Upper
73 100
43 18.2 15.0 22.4
57 22.7 18.2 27.4





#19

1,1-Dichloroethane

Concen: 45.339 ug/L

RT: 3.121 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV031544.D

Acq: 15 Jun 2023 20:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD050372

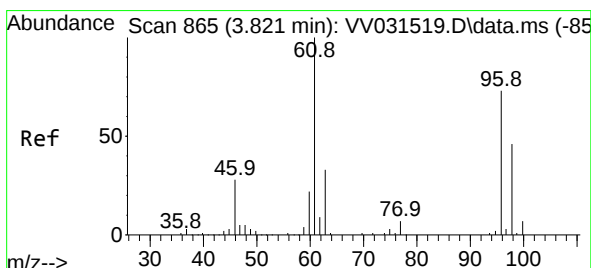
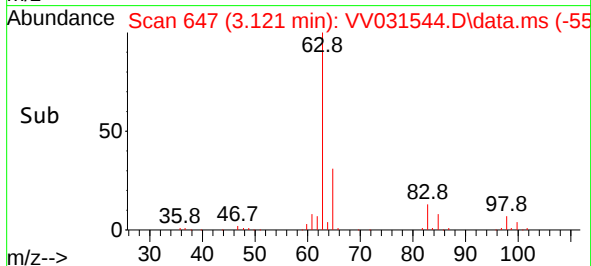
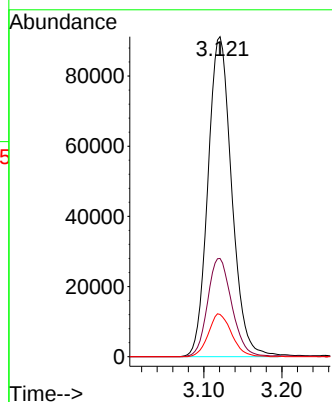
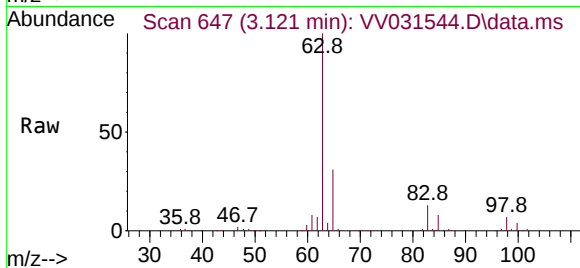
Tgt Ion: 63 Resp: 193486

Ion Ratio Lower Upper

63 100

65 30.7 22.5 41.7

83 13.9 10.0 18.6



#20

cis-1,2-Dichloroethene

Concen: 47.508 ug/L

RT: 3.825 min Scan# 866

Delta R.T. 0.003 min

Lab File: VV031544.D

Acq: 15 Jun 2023 20:43

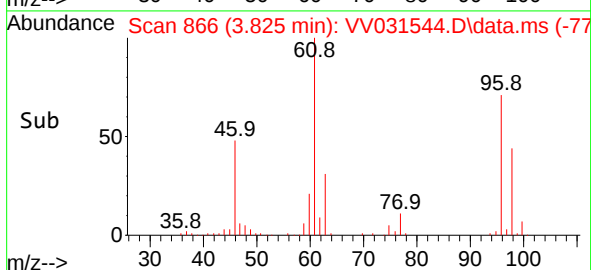
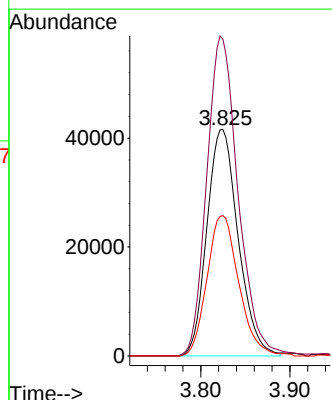
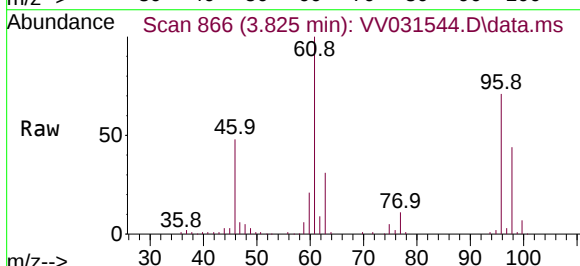
Tgt Ion: 96 Resp: 101516

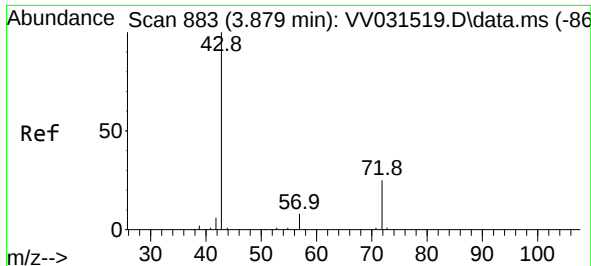
Ion Ratio Lower Upper

96 100

61 140.0 98.6 183.0

98 62.0 45.7 84.9

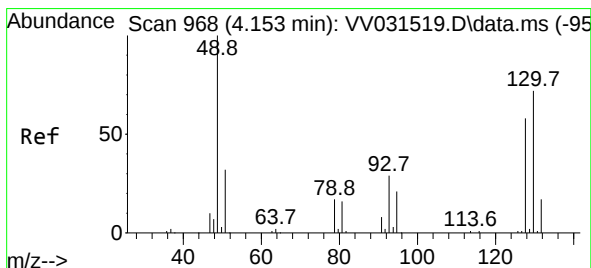
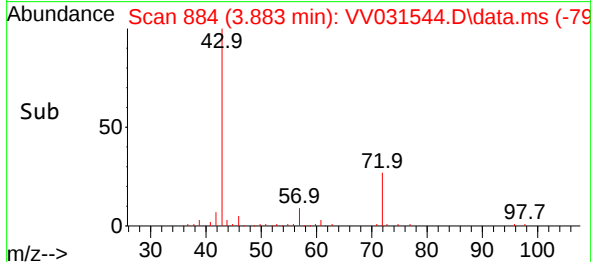
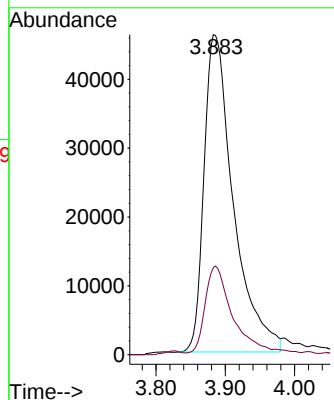
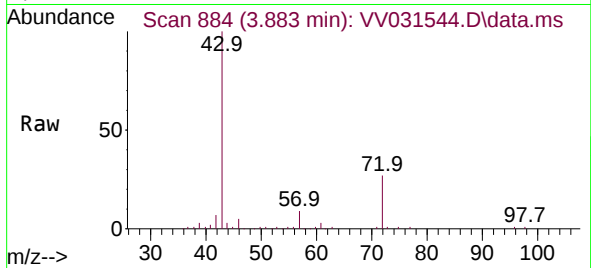




#22
2-Butanone
Concen: 79.713 ug/L
RT: 3.883 min Scan# 884
Delta R.T. 0.003 min
Lab File: VV031544.D
Acq: 15 Jun 2023 20:43

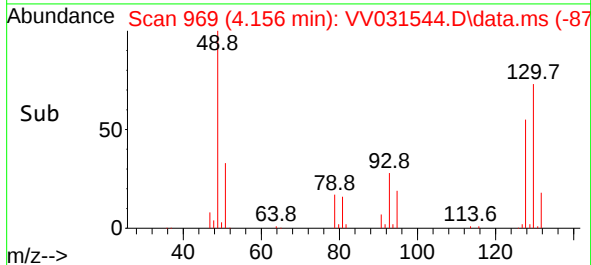
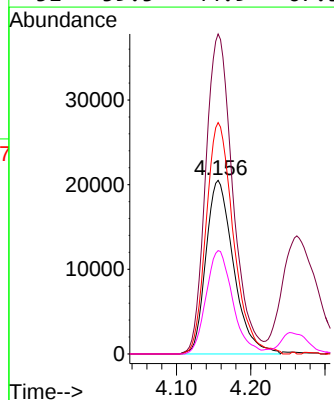
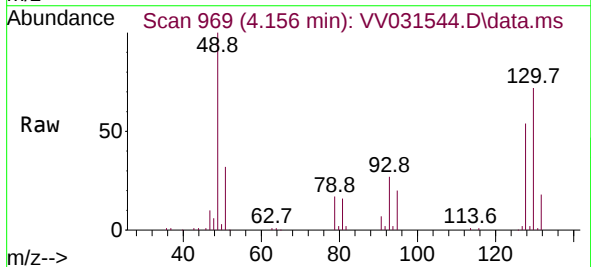
Instrument :
MSVOA_V
ClientSampleId :
VSTD050372

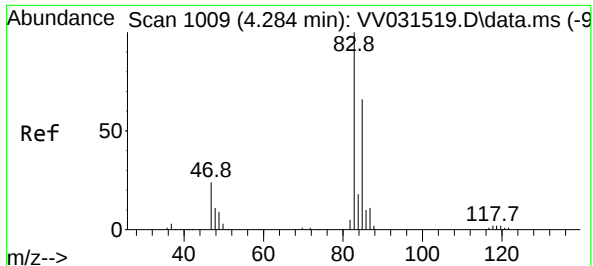
Tgt Ion: 43 Resp: 135564
Ion Ratio Lower Upper
43 100
72 24.9 12.2 36.4



#23
Bromochloromethane
Concen: 45.795 ug/L
RT: 4.156 min Scan# 969
Delta R.T. 0.003 min
Lab File: VV031544.D
Acq: 15 Jun 2023 20:43

Tgt Ion:128 Resp: 52896
Ion Ratio Lower Upper
128 100
49 184.3 120.6 224.0
130 133.3 88.1 163.7
51 59.5 44.9 67.3





#25

Chloroform

Concen: 46.622 ug/L

RT: 4.285 min Scan# 1009

Delta R.T. 0.000 min

Lab File: VV031544.D

Acq: 15 Jun 2023 20:43

Instrument :

MSVOA_V

ClientSampleId :

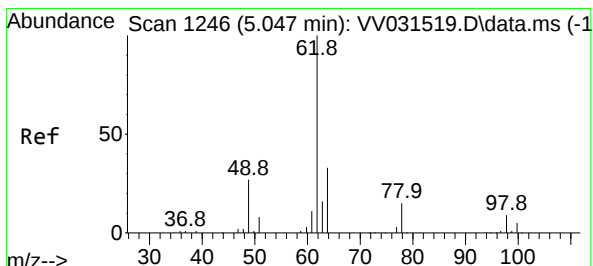
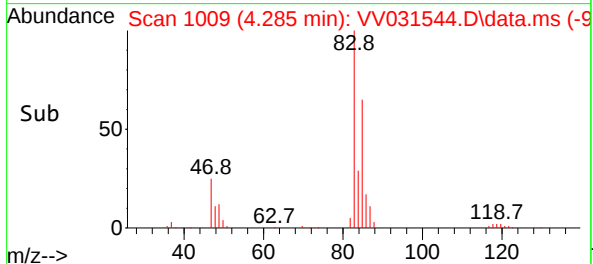
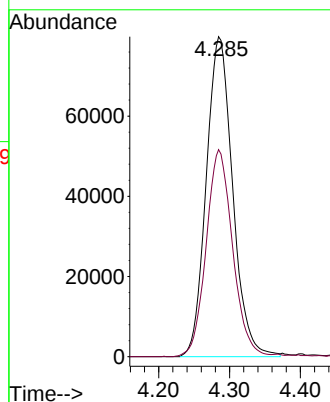
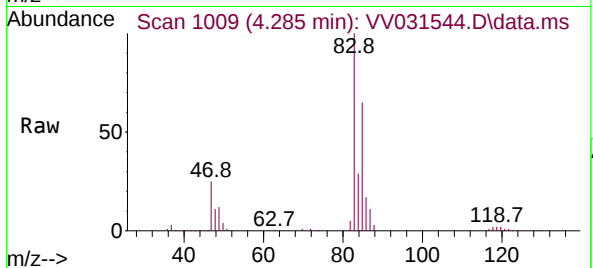
VSTD050372

Tgt Ion: 83 Resp: 206829

Ion Ratio Lower Upper

83 100

85 64.7 45.3 84.1



#27

1,2-Dichloroethane

Concen: 46.709 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. 0.000 min

Lab File: VV031544.D

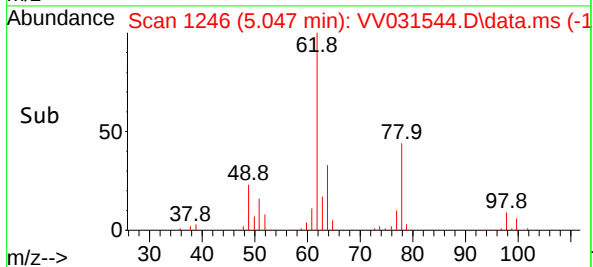
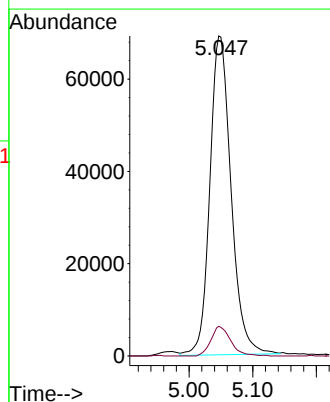
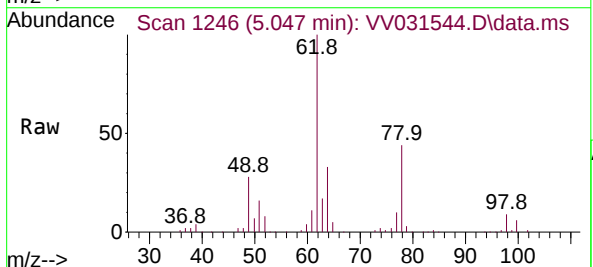
Acq: 15 Jun 2023 20:43

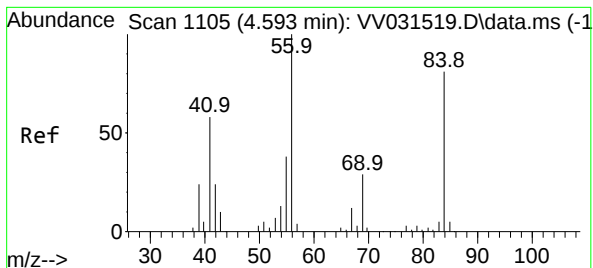
Tgt Ion: 62 Resp: 159924

Ion Ratio Lower Upper

62 100

98 9.3 6.6 9.8





#29

Cyclohexane

Concen: 49.997 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VV031544.D

Acq: 15 Jun 2023 20:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD050372

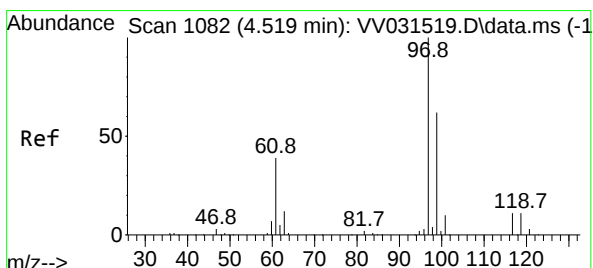
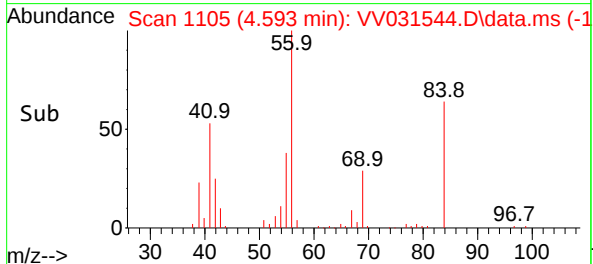
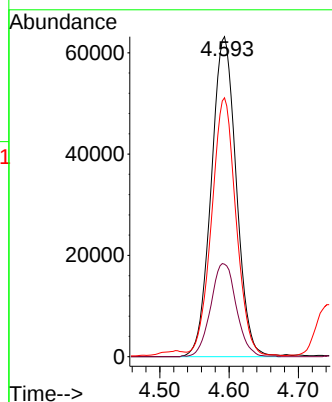
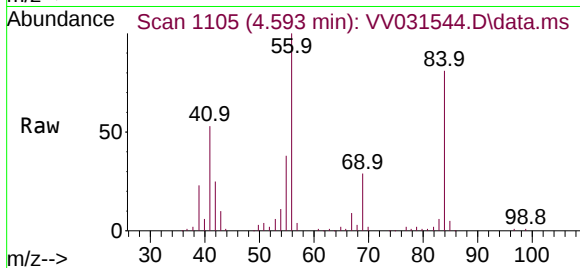
Tgt Ion: 56 Resp: 158435

Ion Ratio Lower Upper

56 100

69 29.4 24.3 36.5

84 78.2 65.0 97.6



#30

1,1,1-Trichloroethane

Concen: 46.277 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. 0.000 min

Lab File: VV031544.D

Acq: 15 Jun 2023 20:43

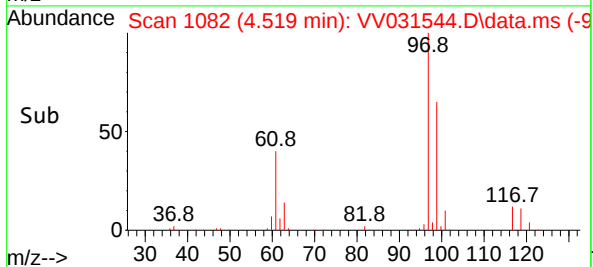
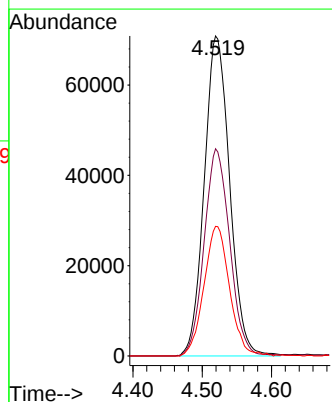
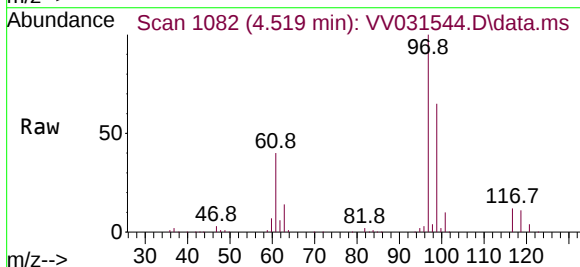
Tgt Ion: 97 Resp: 180716

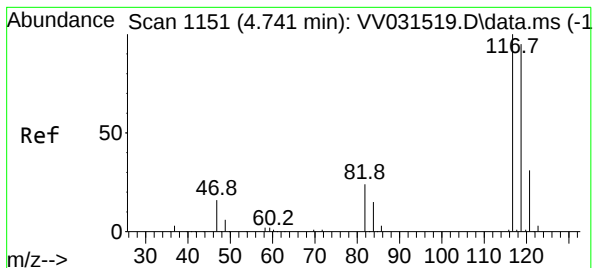
Ion Ratio Lower Upper

97 100

99 65.1 51.8 77.6

61 40.5 33.0 49.6





#31

Carbon tetrachloride

Concen: 46.815 ug/L

RT: 4.744 min Scan# 1151

Delta R.T. 0.003 min

Lab File: VV031544.D

Acq: 15 Jun 2023 20:43

Instrument :

MSVOA_V

ClientSampleId :

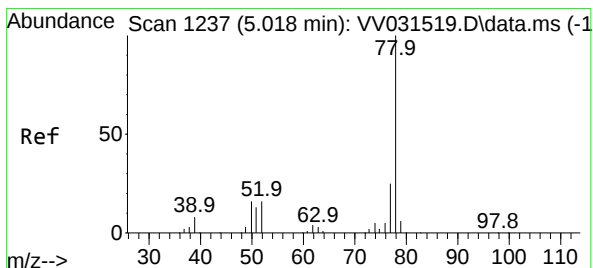
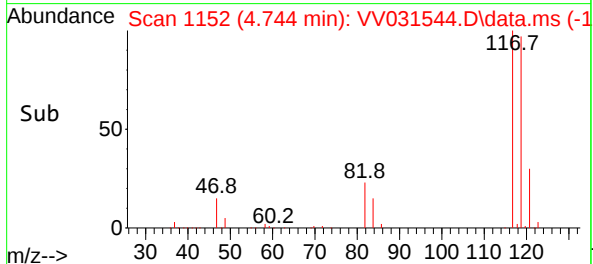
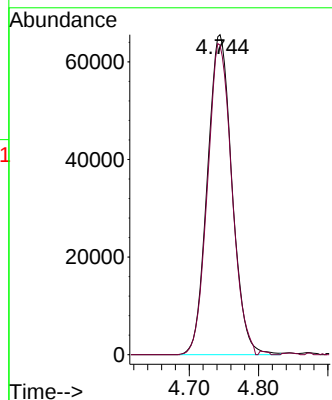
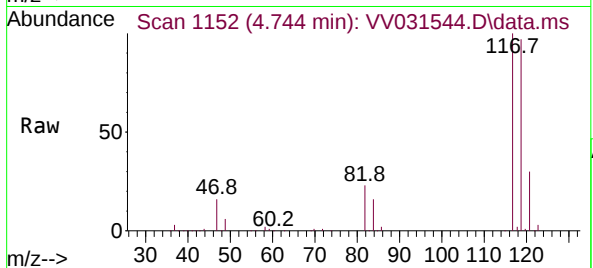
VSTD050372

Tgt Ion:117 Resp: 161983

Ion Ratio Lower Upper

117 100

119 96.1 76.2 114.4



#33

Benzene

Concen: 48.396 ug/L

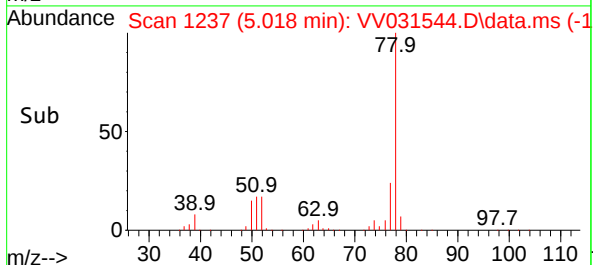
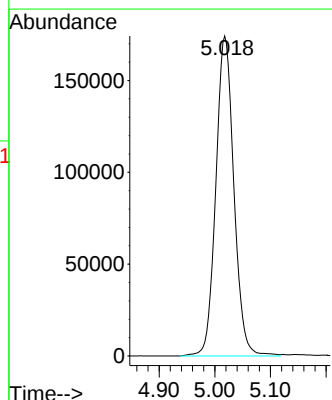
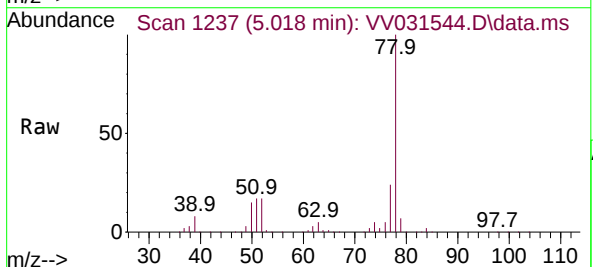
RT: 5.018 min Scan# 1237

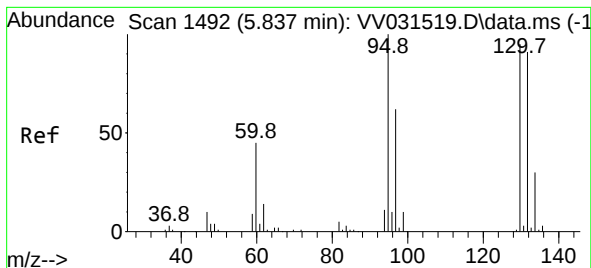
Delta R.T. 0.000 min

Lab File: VV031544.D

Acq: 15 Jun 2023 20:43

Tgt Ion: 78 Resp: 392461





#34

Trichloroethene

Concen: 49.107 ug/L

RT: 5.838 min Scan# 1492

Delta R.T. 0.000 min

Lab File: VV031544.D

Acq: 15 Jun 2023 20:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD050372

Tgt Ion: 95 Resp: 106413

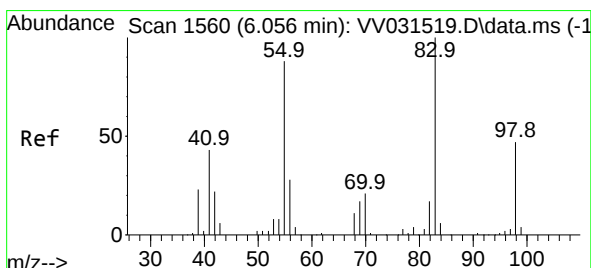
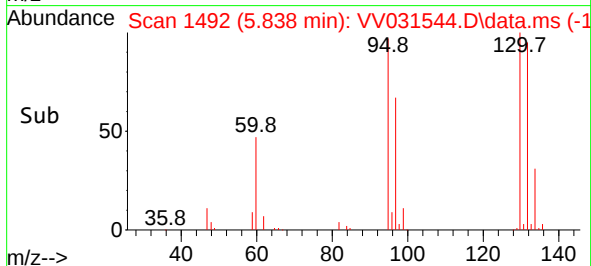
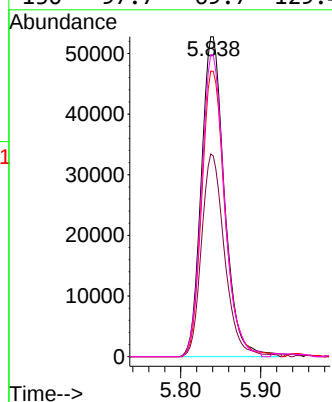
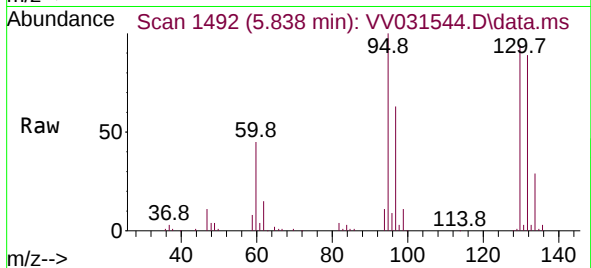
Ion Ratio Lower Upper

95 100

97 66.3 46.8 86.8

132 92.2 66.4 123.2

130 97.7 69.7 129.4



#35

Methylcyclohexane

Concen: 48.110 ug/L

RT: 6.056 min Scan# 1560

Delta R.T. 0.000 min

Lab File: VV031544.D

Acq: 15 Jun 2023 20:43

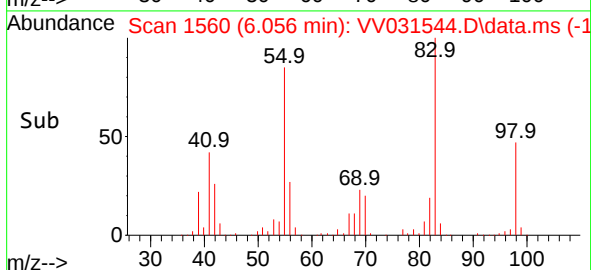
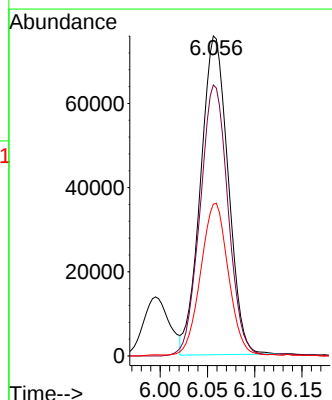
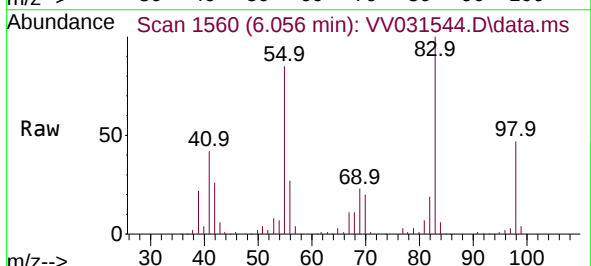
Tgt Ion: 83 Resp: 153608

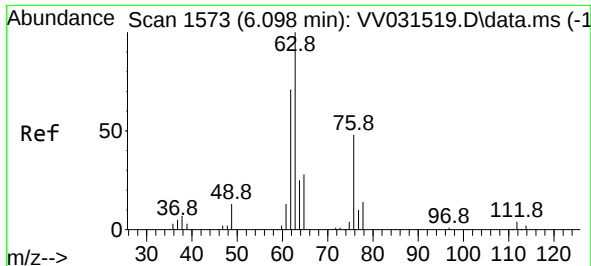
Ion Ratio Lower Upper

83 100

55 86.5 68.7 103.1

98 47.7 37.0 55.4





#37

1,2-Dichloropropane

Concen: 46.813 ug/L

RT: 6.098 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV031544.D

Acq: 15 Jun 2023 20:43

Instrument :

MSVOA_V

ClientSampleId :

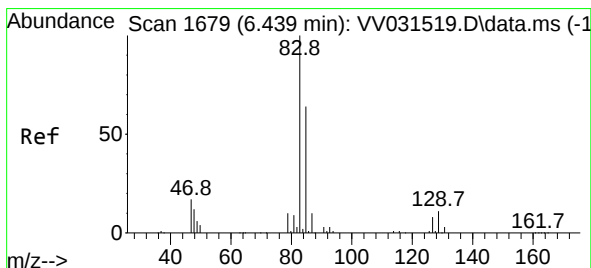
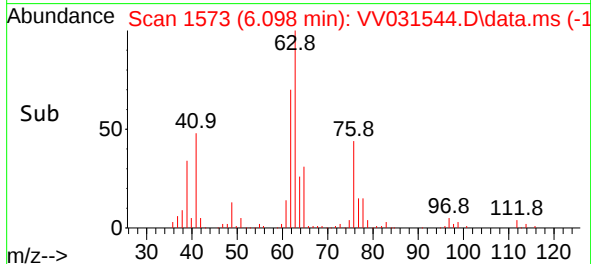
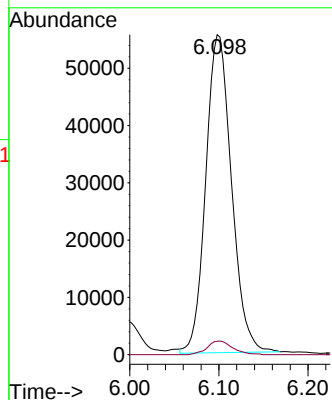
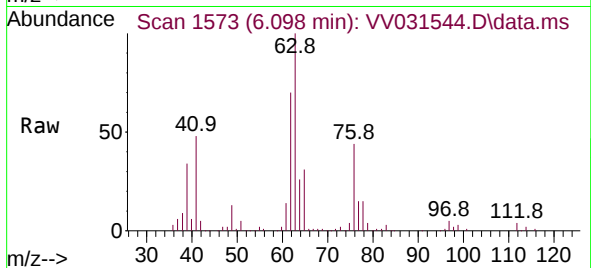
VSTD050372

Tgt Ion: 63 Resp: 111475

Ion Ratio Lower Upper

63 100

112 4.2 3.3 4.9



#38

Bromodichloromethane

Concen: 47.466 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. 0.000 min

Lab File: VV031544.D

Acq: 15 Jun 2023 20:43

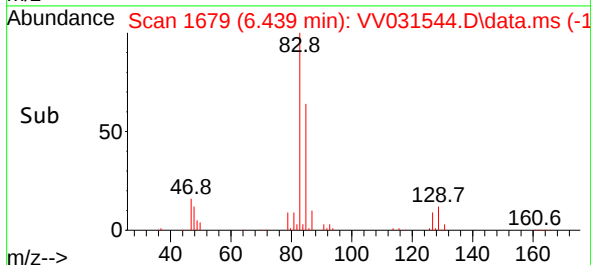
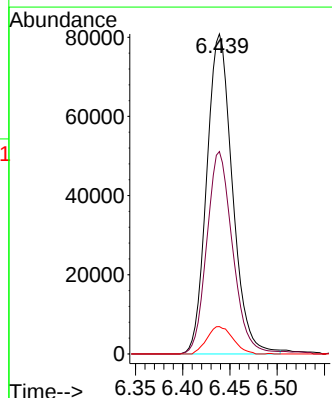
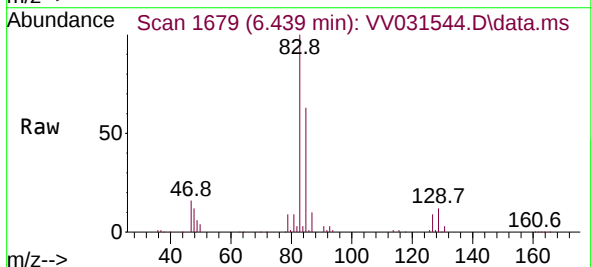
Tgt Ion: 83 Resp: 152776

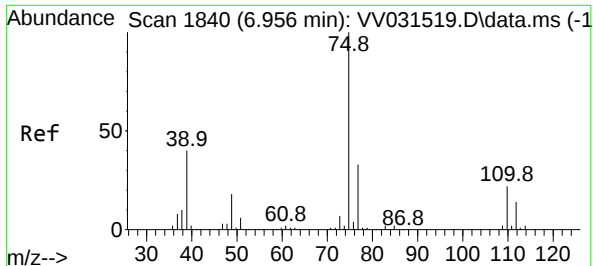
Ion Ratio Lower Upper

83 100

85 63.3 45.3 84.1

127 9.4 7.6 11.4





#39

cis-1,3-Dichloropropene

Concen: 47.972 ug/L

RT: 6.960 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV031544.D

Acq: 15 Jun 2023 20:43

Instrument :

MSVOA_V

ClientSampleId :

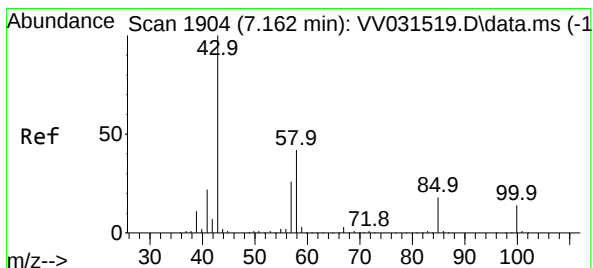
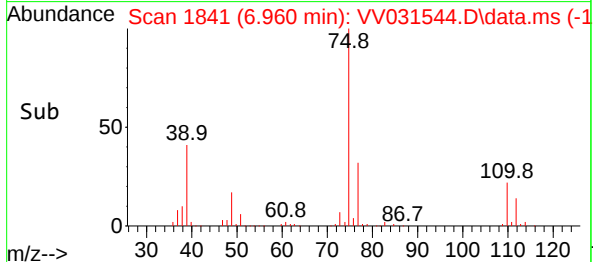
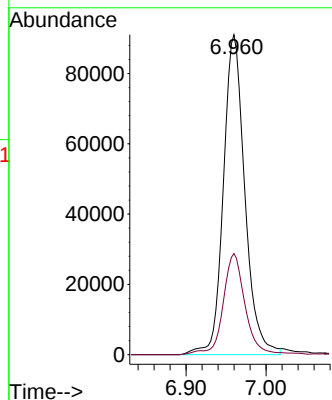
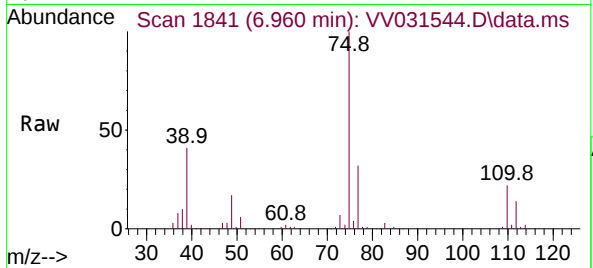
VSTD050372

Tgt Ion: 75 Resp: 169570

Ion Ratio Lower Upper

75 100

77 31.6 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 102.627 ug/L

RT: 7.165 min Scan# 1905

Delta R.T. 0.003 min

Lab File: VV031544.D

Acq: 15 Jun 2023 20:43

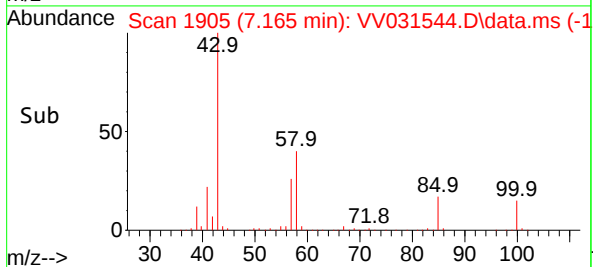
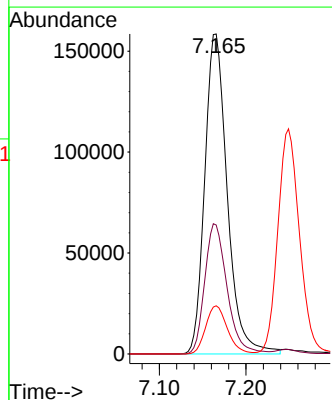
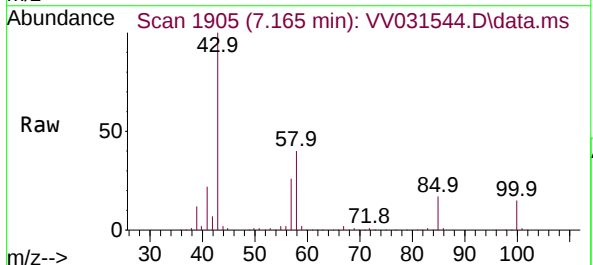
Tgt Ion: 43 Resp: 286955

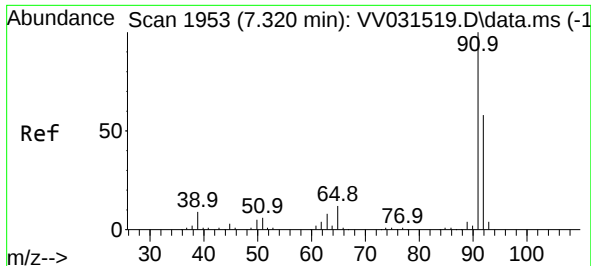
Ion Ratio Lower Upper

43 100

58 40.3 31.8 47.8

100 14.5 11.1 16.7





#42

Toluene

Concen: 49.609 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VV031544.D

Acq: 15 Jun 2023 20:43

Instrument :

MSVOA_V

ClientSampleId :

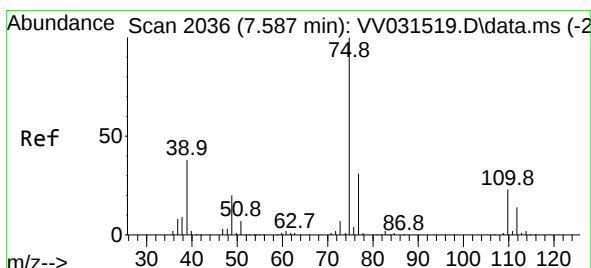
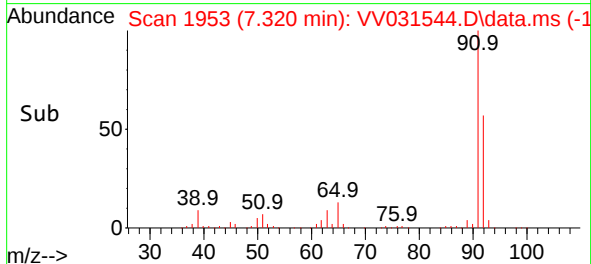
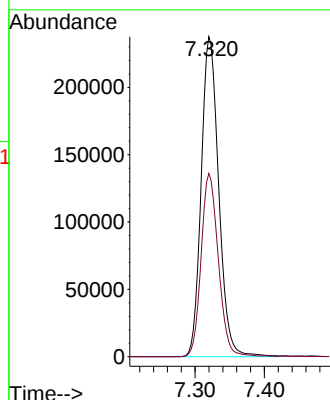
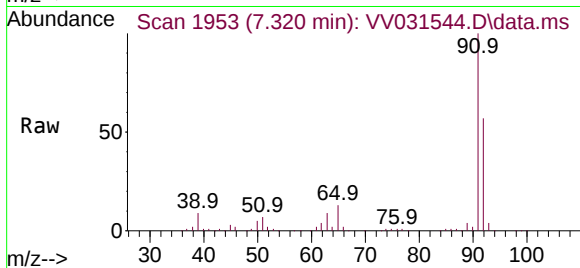
VSTD050372

Tgt Ion: 91 Resp: 417111

Ion Ratio Lower Upper

91 100

92 57.3 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 48.187 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.000 min

Lab File: VV031544.D

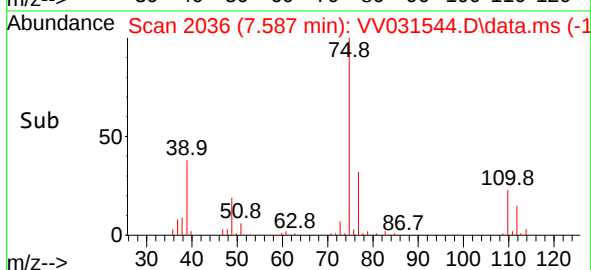
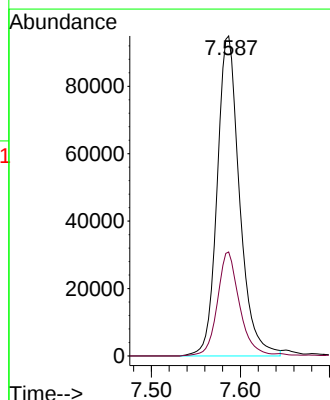
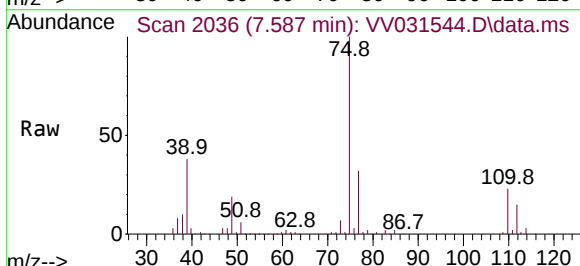
Acq: 15 Jun 2023 20:43

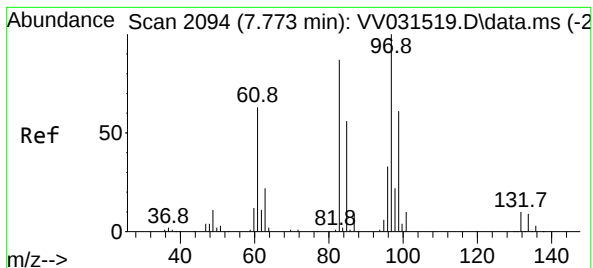
Tgt Ion: 75 Resp: 165876

Ion Ratio Lower Upper

75 100

77 32.5 22.1 41.1





#45

1,1,2-Trichloroethane

Concen: 47.406 ug/L

RT: 7.773 min Scan# 2094

Delta R.T. 0.000 min

Lab File: VV031544.D

Acq: 15 Jun 2023 20:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD050372

Tgt Ion: 97 Resp: 106639

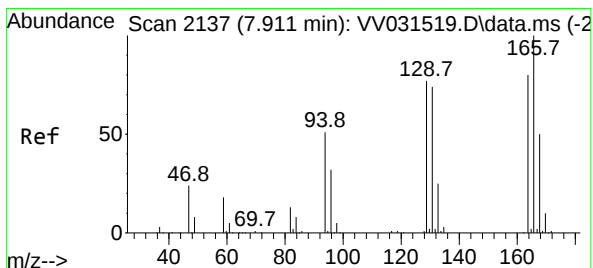
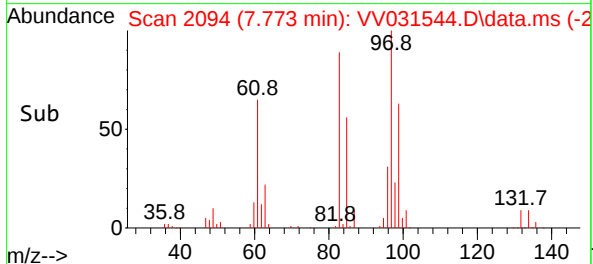
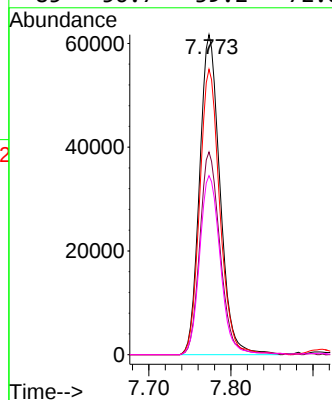
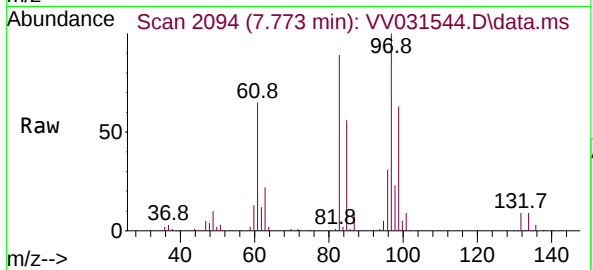
Ion Ratio Lower Upper

97 100

99 63.3 43.7 81.1

83 89.2 60.9 113.1

85 56.7 39.2 72.8



#46

Tetrachloroethene

Concen: 47.351 ug/L

RT: 7.911 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VV031544.D

Acq: 15 Jun 2023 20:43

Tgt Ion:164 Resp: 80531

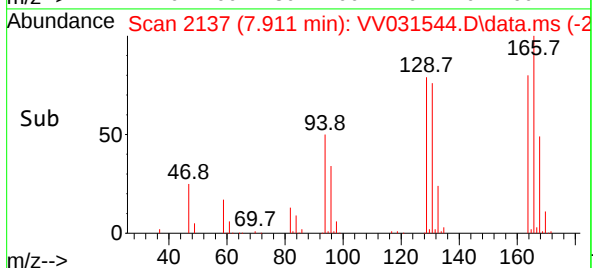
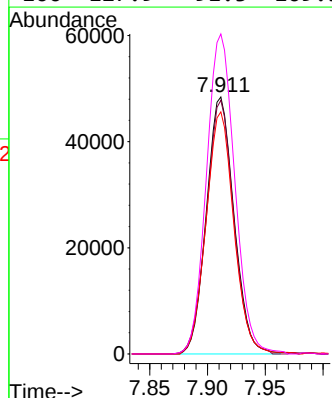
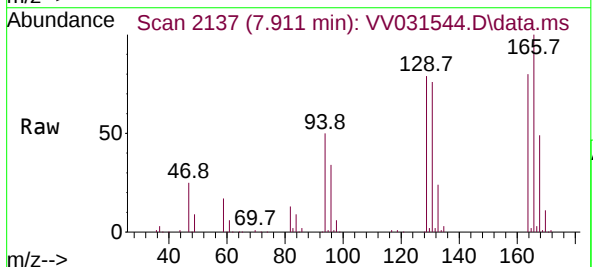
Ion Ratio Lower Upper

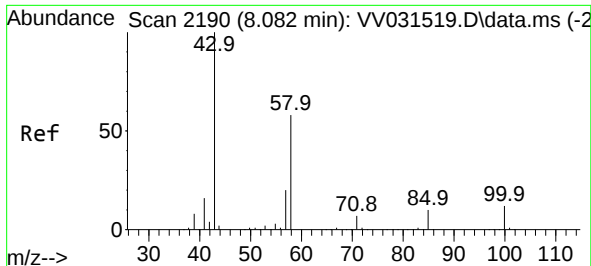
164 100

129 101.2 68.4 127.0

131 96.2 67.6 125.6

166 127.9 91.3 169.5

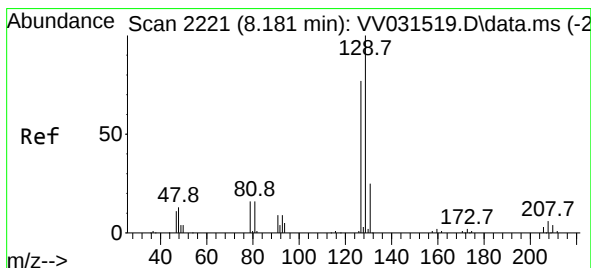
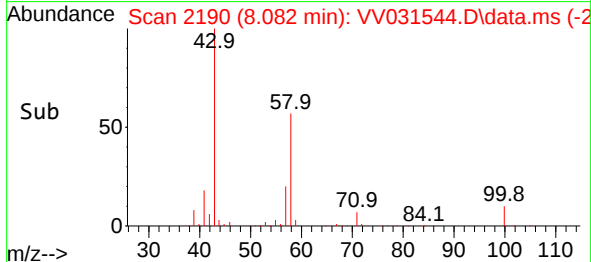
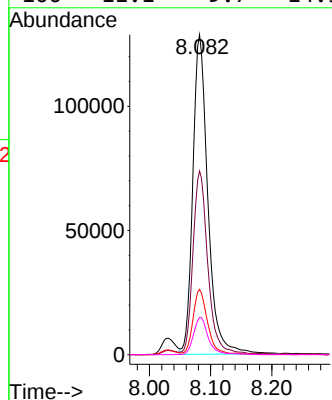
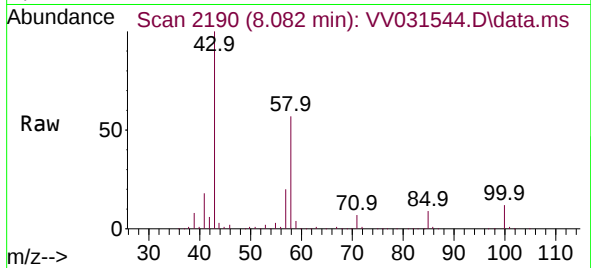




#48
2-Hexanone
Concen: 98.510 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. 0.000 min
Lab File: VV031544.D
Acq: 15 Jun 2023 20:43

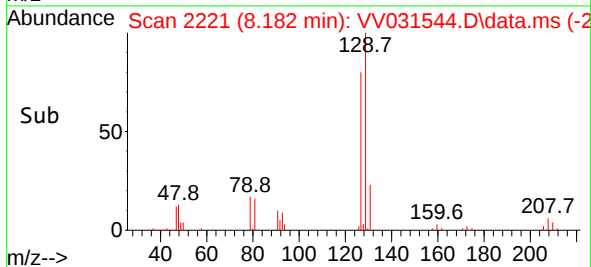
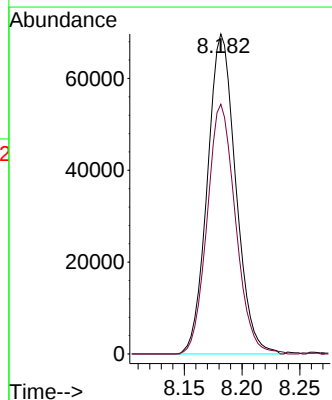
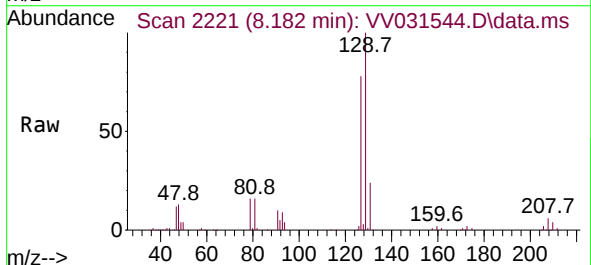
Instrument :
MSVOA_V
ClientSampleId :
VSTD050372

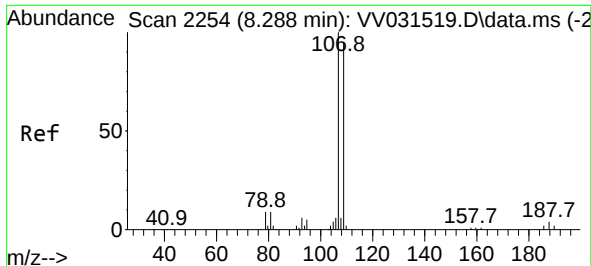
Tgt Ion: 43 Resp: 219985
Ion Ratio Lower Upper
43 100
58 56.8 46.7 70.1
57 18.8 15.5 23.3
100 11.1 9.7 14.5



#49
Dibromochloromethane
Concen: 47.647 ug/L
RT: 8.182 min Scan# 2221
Delta R.T. 0.000 min
Lab File: VV031544.D
Acq: 15 Jun 2023 20:43

Tgt Ion: 129 Resp: 119122
Ion Ratio Lower Upper
129 100
127 79.6 55.8 103.6





#50

1,2-Dibromoethane

Concen: 48.083 ug/L

RT: 8.288 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV031544.D

Acq: 15 Jun 2023 20:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD050372

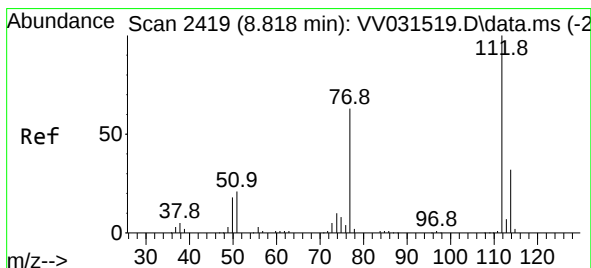
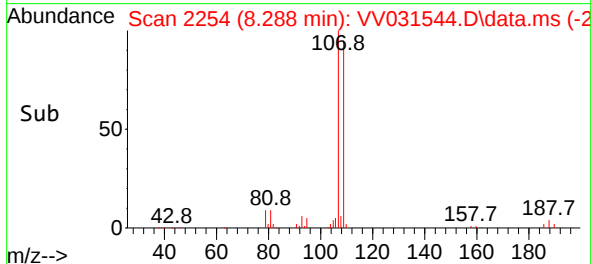
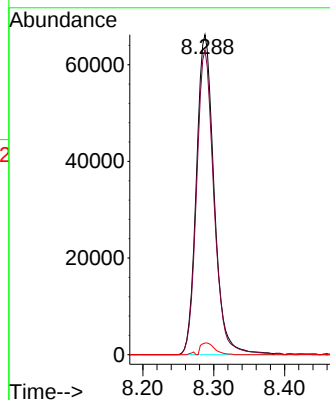
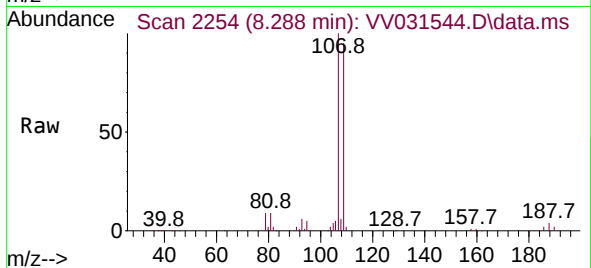
Tgt Ion:107 Resp: 115170

Ion Ratio Lower Upper

107 100

109 95.1 65.7 122.1

188 3.6 2.6 4.0



#51

Chlorobenzene

Concen: 47.795 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. 0.000 min

Lab File: VV031544.D

Acq: 15 Jun 2023 20:43

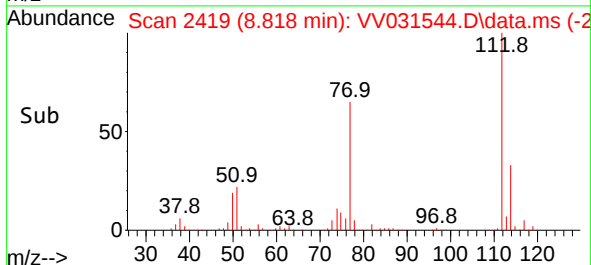
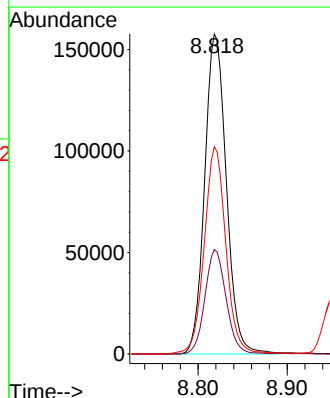
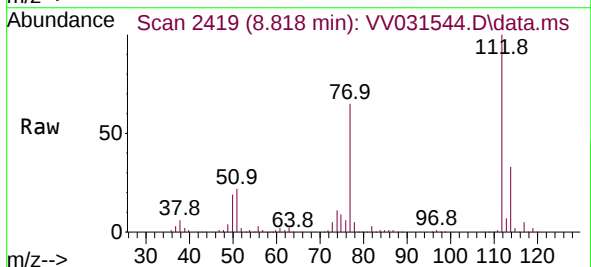
Tgt Ion:112 Resp: 266154

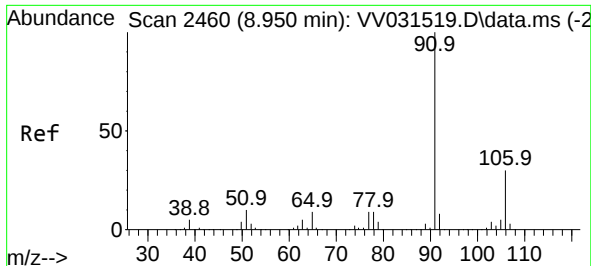
Ion Ratio Lower Upper

112 100

114 32.6 22.9 42.5

77 64.8 52.5 78.7

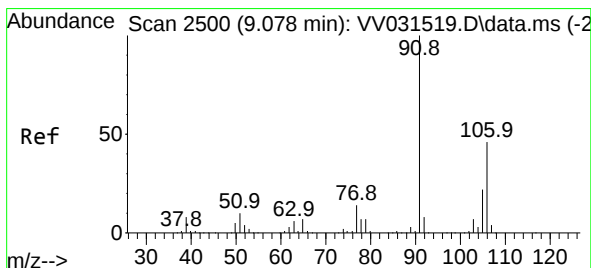
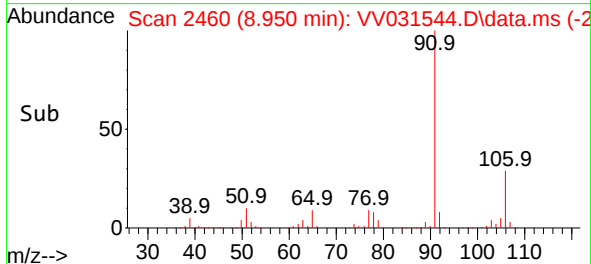
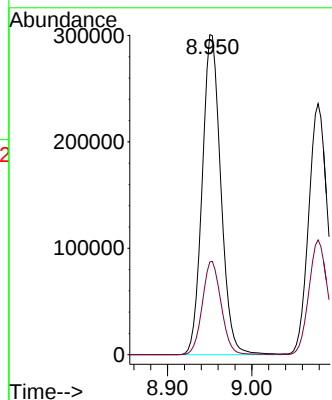
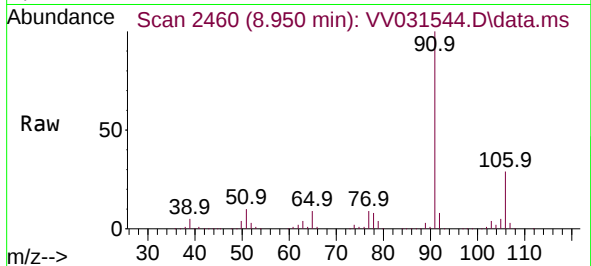




#52
Ethylbenzene
Concen: 49.434 ug/L
RT: 8.950 min Scan# 2460
Delta R.T. 0.000 min
Lab File: VV031544.D
Acq: 15 Jun 2023 20:43

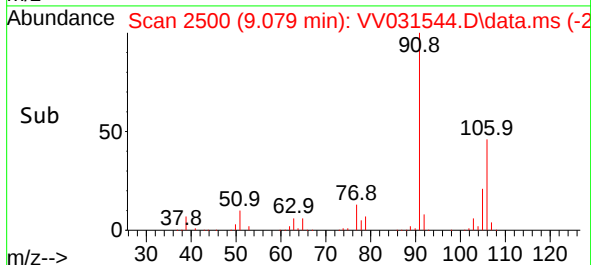
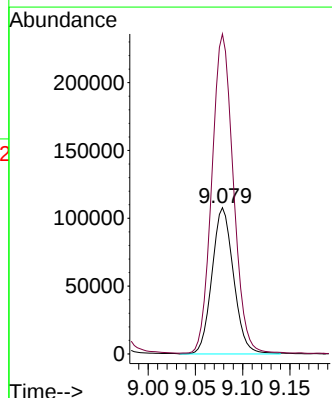
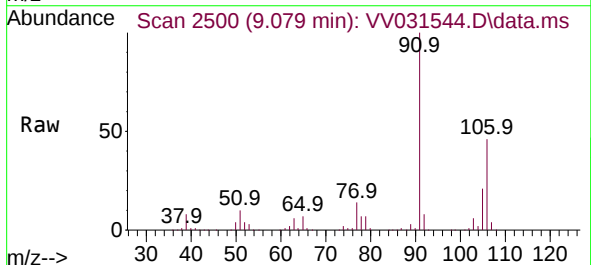
Instrument :
MSVOA_V
ClientSampleId :
VSTD050372

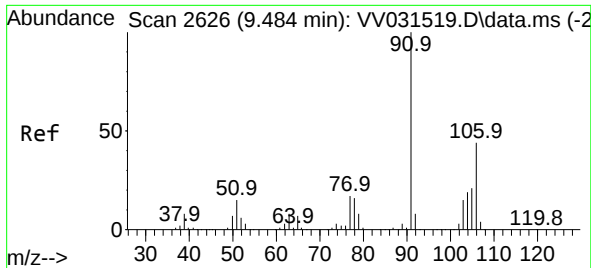
Tgt Ion: 91 Resp: 463783
Ion Ratio Lower Upper
91 100
106 29.0 20.8 38.6



#53
m,p-Xylene
Concen: 49.735 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. 0.000 min
Lab File: VV031544.D
Acq: 15 Jun 2023 20:43

Tgt Ion: 106 Resp: 170877
Ion Ratio Lower Upper
106 100
91 218.9 149.0 276.6

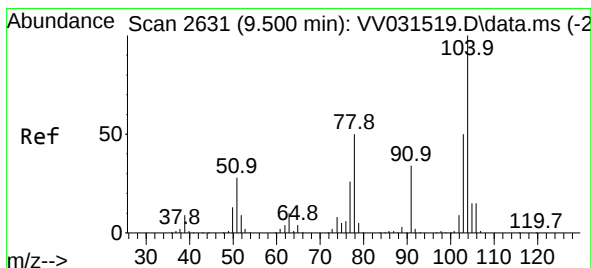
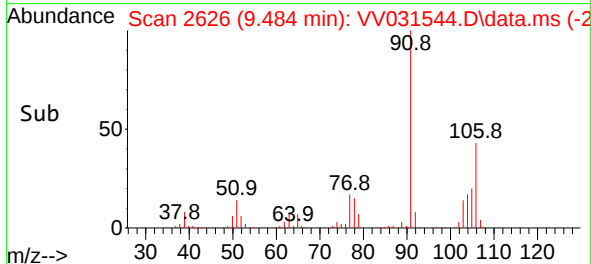
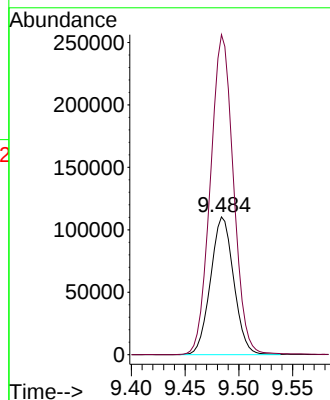
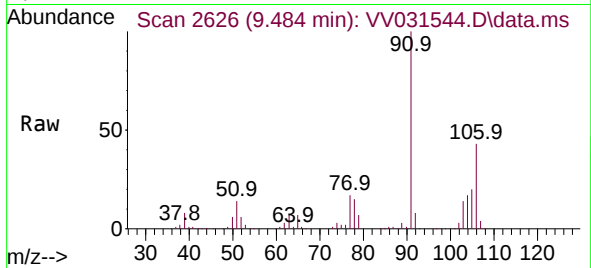




#54
o-Xylene
Concen: 50.796 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VV031544.D
Acq: 15 Jun 2023 20:43

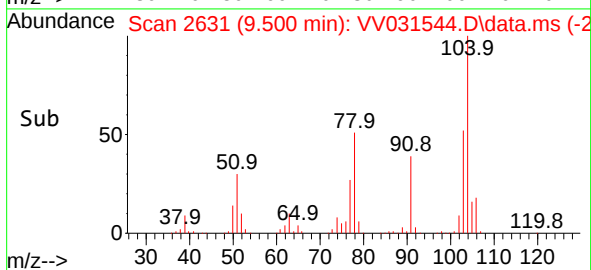
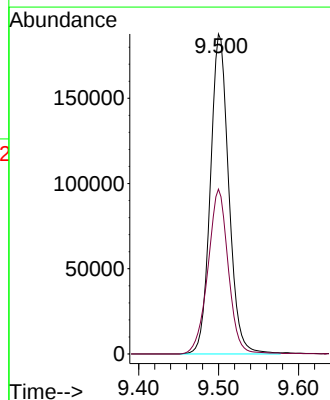
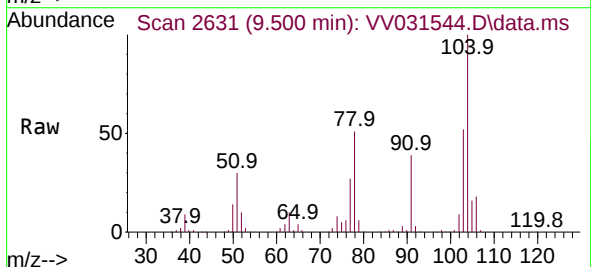
Instrument :
MSVOA_V
ClientSampleId :
VSTD050372

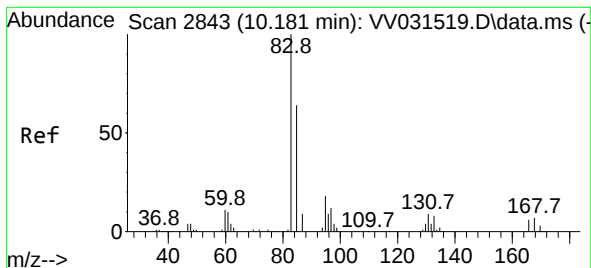
Tgt Ion:106 Resp: 165618
Ion Ratio Lower Upper
106 100
91 232.4 161.3 299.7



#55
Styrene
Concen: 51.606 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.000 min
Lab File: VV031544.D
Acq: 15 Jun 2023 20:43

Tgt Ion:104 Resp: 300499
Ion Ratio Lower Upper
104 100
78 51.5 35.1 65.3

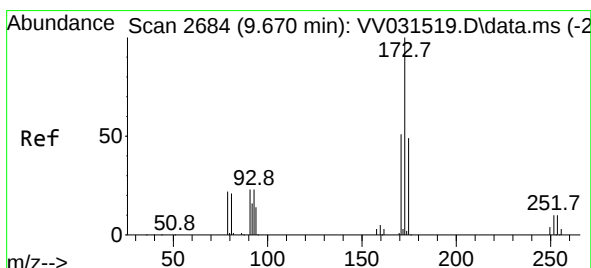
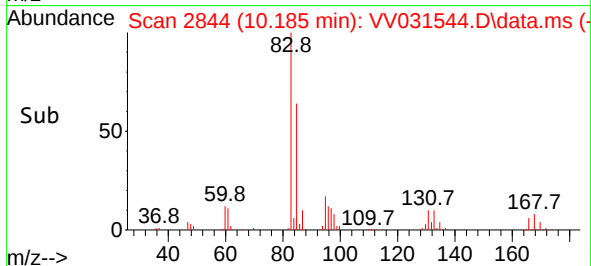
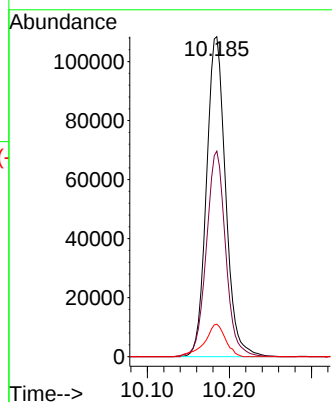
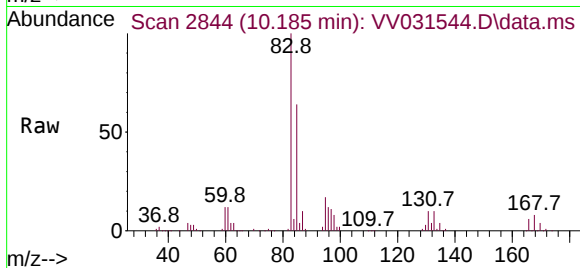




#57
1,1,2,2-Tetrachloroethane
Concen: 47.817 ug/L
RT: 10.185 min Scan# 2843
Delta R.T. 0.003 min
Lab File: VV031544.D
Acq: 15 Jun 2023 20:43

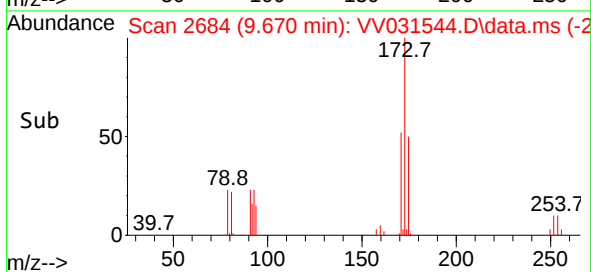
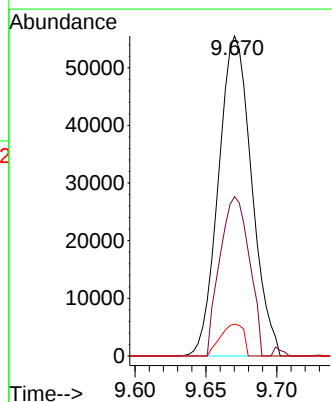
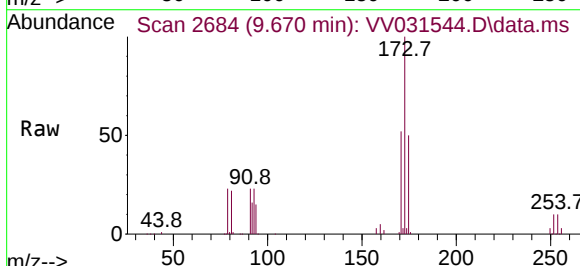
Instrument :
MSVOA_V
ClientSampleId :
VSTD050372

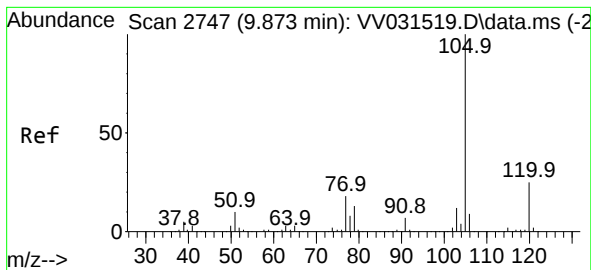
Tgt Ion: 83 Resp: 175750
Ion Ratio Lower Upper
83 100
85 64.3 43.1 80.1
131 10.1 10.6 16.0#



#59
Bromoform
Concen: 49.456 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. 0.000 min
Lab File: VV031544.D
Acq: 15 Jun 2023 20:43

Tgt Ion: 173 Resp: 90354
Ion Ratio Lower Upper
173 100
175 44.1 37.7 56.5
254 6.9 0.1 0.1#





#60

Isopropylbenzene

Concen: 49.387 ug/L

RT: 9.873 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV031544.D

Acq: 15 Jun 2023 20:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD050372

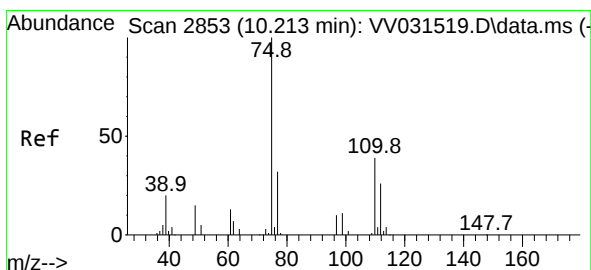
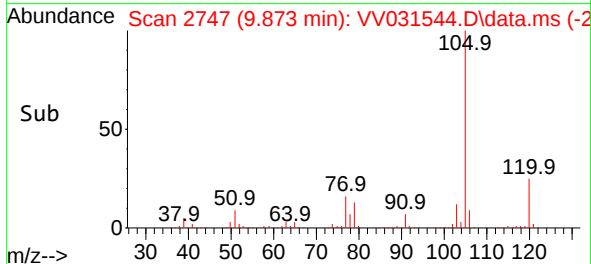
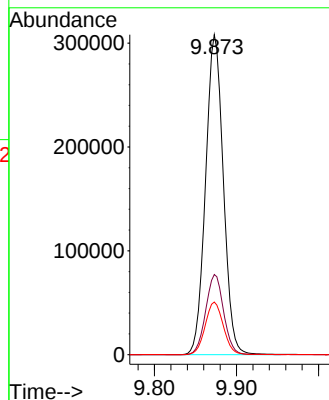
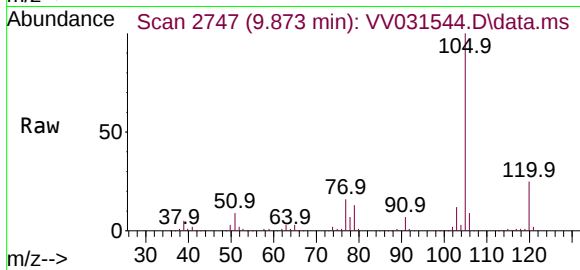
Tgt Ion:105 Resp: 464049

Ion Ratio Lower Upper

105 100

120 25.3 20.2 30.2

77 16.8 13.5 20.3



#61

1,2,3-Trichloropropane

Concen: 46.258 ug/L

RT: 10.214 min Scan# 2853

Delta R.T. 0.000 min

Lab File: VV031544.D

Acq: 15 Jun 2023 20:43

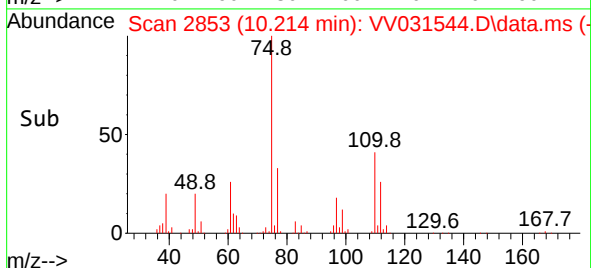
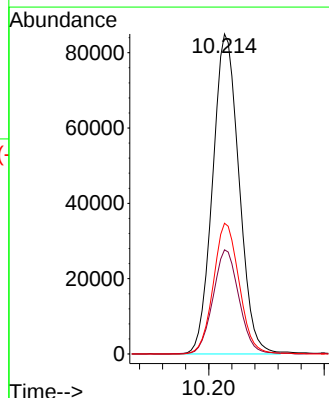
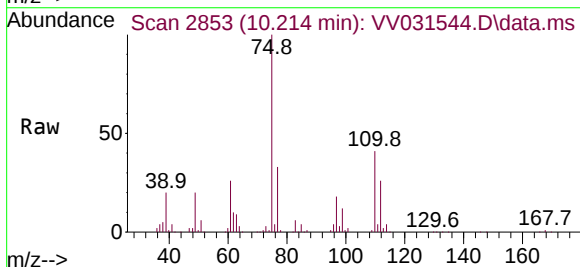
Tgt Ion: 75 Resp: 134660

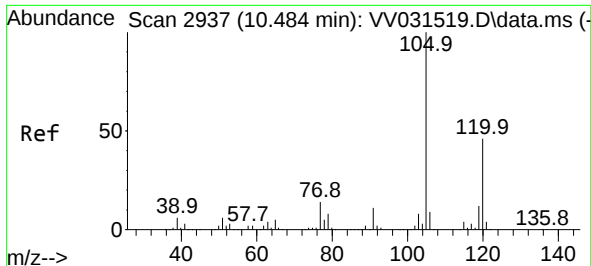
Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.0

110 40.0 31.3 46.9

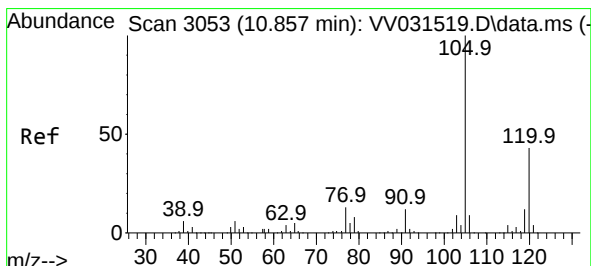
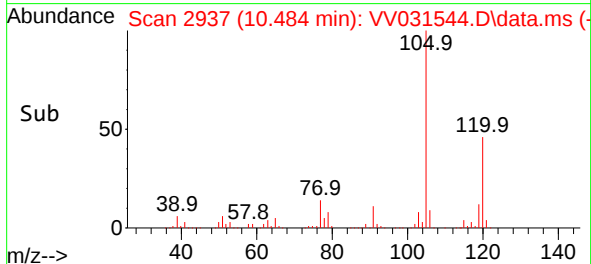
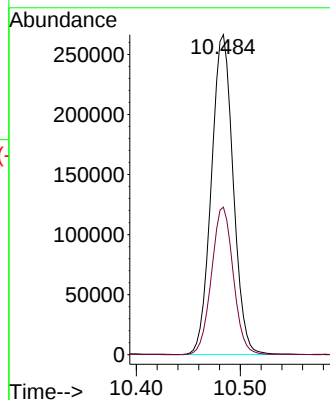
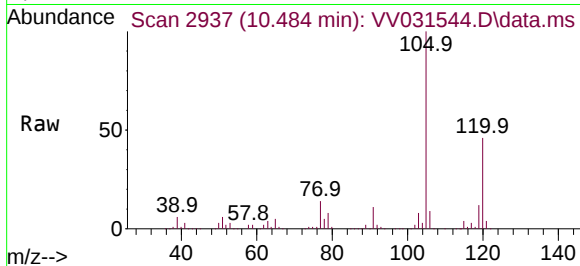




#62
1,3,5-Trimethylbenzene
Concen: 50.101 ug/L
RT: 10.484 min Scan# 2937
Delta R.T. 0.000 min
Lab File: VV031544.D
Acq: 15 Jun 2023 20:43

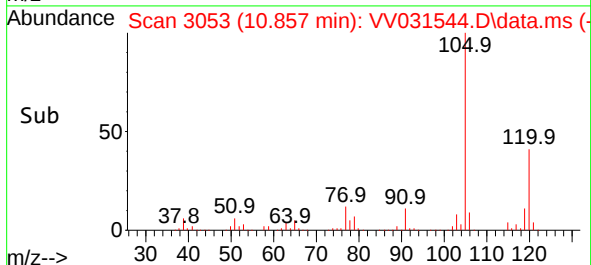
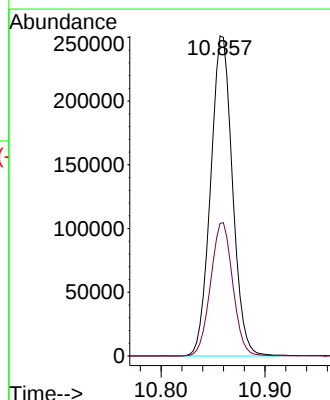
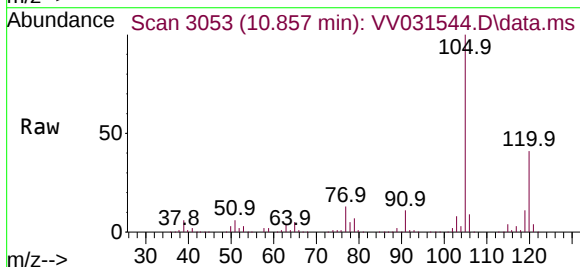
Instrument :
MSVOA_V
ClientSampleId :
VSTD050372

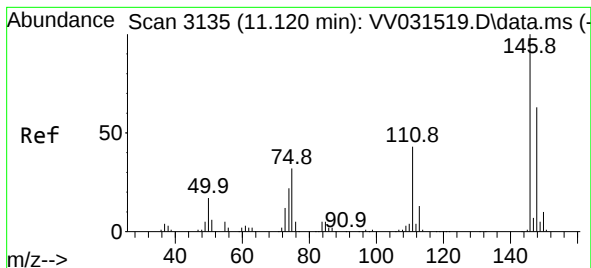
Tgt Ion:105 Resp: 389079
Ion Ratio Lower Upper
105 100
120 46.1 36.2 54.2



#63
1,2,4-Trimethylbenzene
Concen: 50.690 ug/L
RT: 10.857 min Scan# 3053
Delta R.T. 0.000 min
Lab File: VV031544.D
Acq: 15 Jun 2023 20:43

Tgt Ion:105 Resp: 366786
Ion Ratio Lower Upper
105 100
120 42.2 33.4 50.2





#64

1,3-Dichlorobenzene

Concen: 47.618 ug/L

RT: 11.124 min Scan# 3135

Delta R.T. 0.003 min

Lab File: VV031544.D

Acq: 15 Jun 2023 20:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD050372

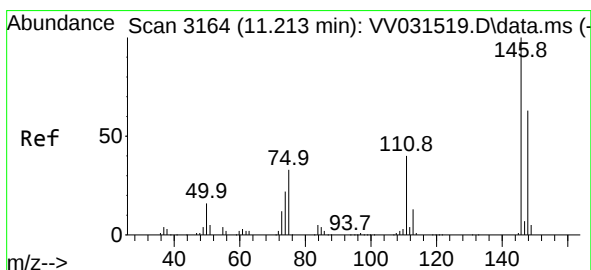
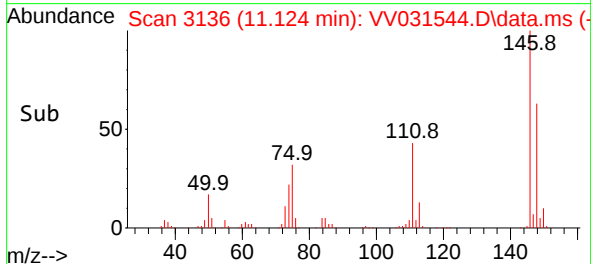
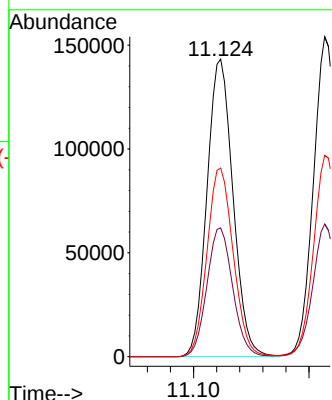
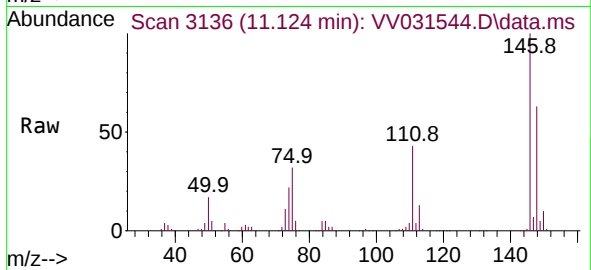
Tgt Ion:146 Resp: 224317

Ion Ratio Lower Upper

146 100

111 43.3 30.4 56.5

148 63.4 44.7 83.1



#65

1,4-Dichlorobenzene

Concen: 46.590 ug/L

RT: 11.214 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VV031544.D

Acq: 15 Jun 2023 20:43

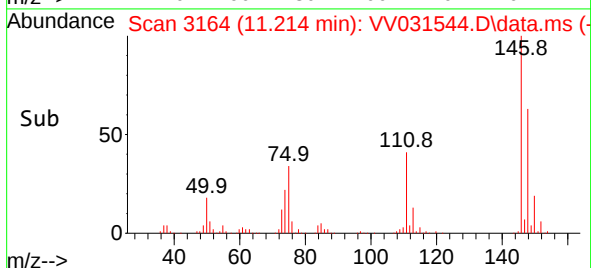
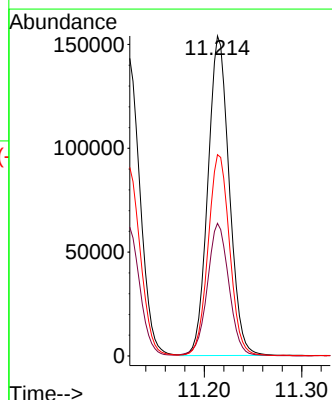
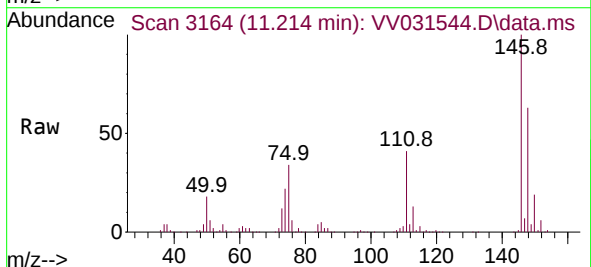
Tgt Ion:146 Resp: 233877

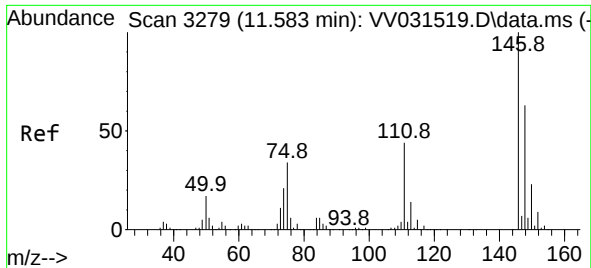
Ion Ratio Lower Upper

146 100

111 41.4 27.9 51.7

148 62.9 43.6 81.0





#67

1,2-Dichlorobenzene

Concen: 47.648 ug/L

RT: 11.587 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV031544.D

Acq: 15 Jun 2023 20:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD050372

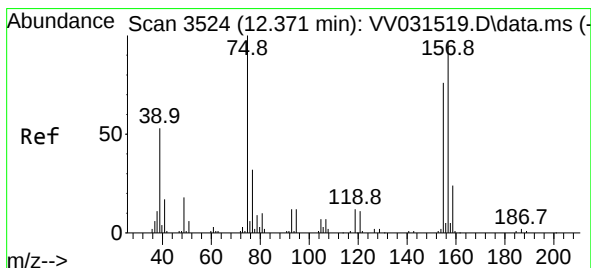
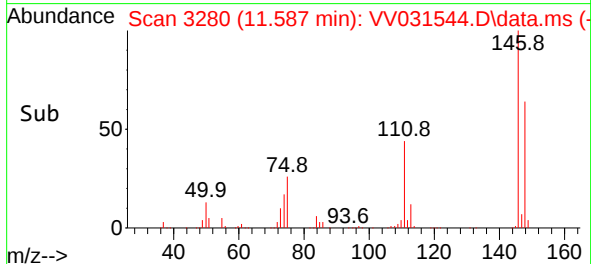
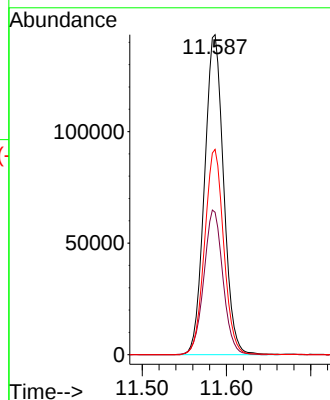
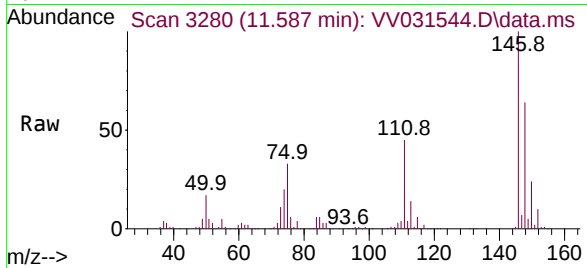
Tgt Ion:146 Resp: 226547

Ion Ratio Lower Upper

146 100

111 44.5 35.9 53.9

148 64.2 52.6 78.8



#68

1,2-Dibromo-3-chloropropane

Concen: 45.807 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. 0.000 min

Lab File: VV031544.D

Acq: 15 Jun 2023 20:43

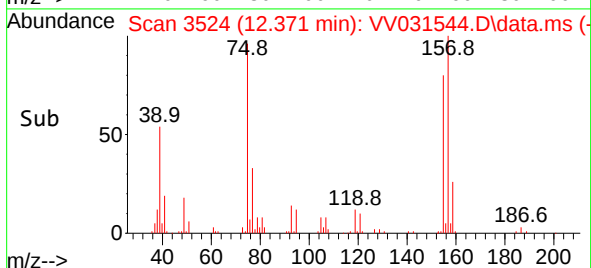
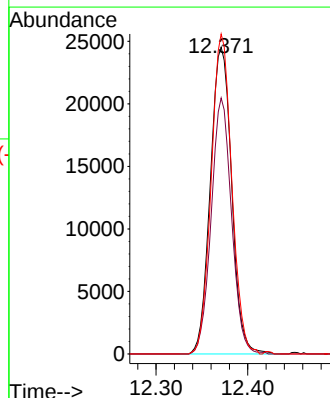
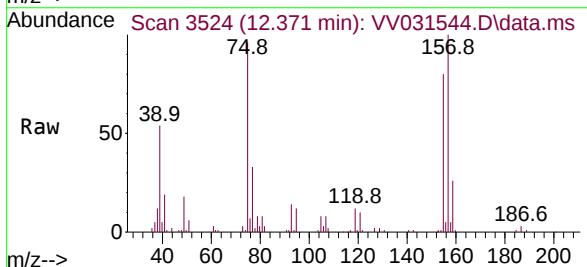
Tgt Ion: 75 Resp: 39578

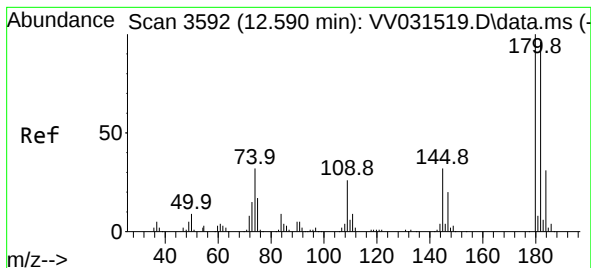
Ion Ratio Lower Upper

75 100

155 83.4 63.2 94.8

157 104.3 85.3 127.9

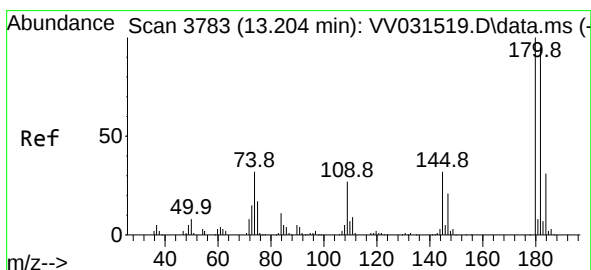
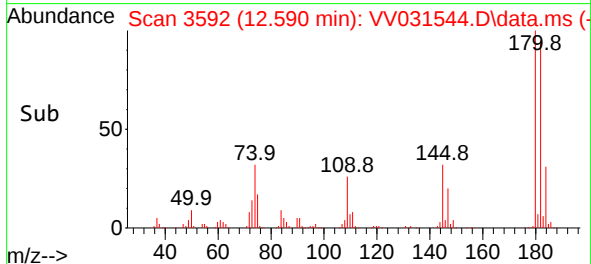
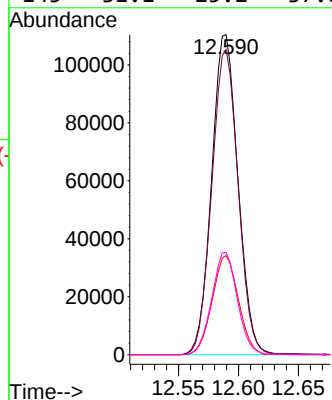
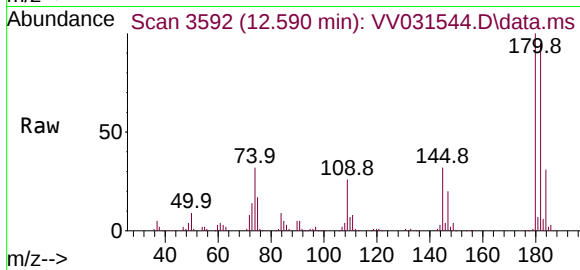




#69
 1,3,5-Trichlorobenzene
 Concen: 46.943 ug/L
 RT: 12.590 min Scan# 3592
 Delta R.T. 0.000 min
 Lab File: VV031544.D
 Acq: 15 Jun 2023 20:43

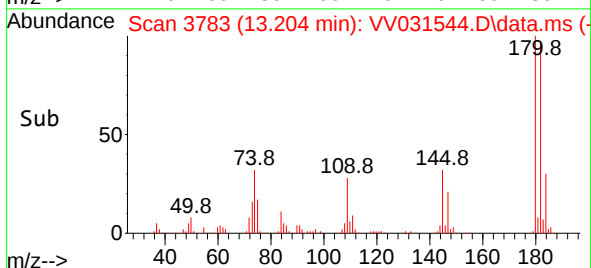
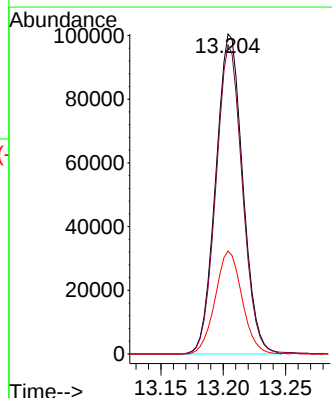
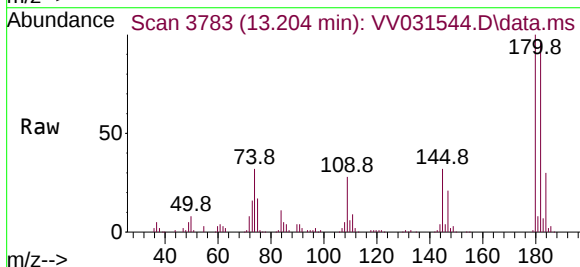
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050372

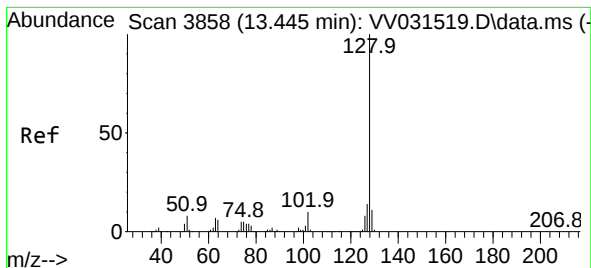
Tgt Ion:180 Resp: 168502
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.6 115.0
 184 30.7 24.7 37.1
 145 31.1 25.2 37.8



#70
 1,2,4-trichlorobenzene
 Concen: 48.092 ug/L
 RT: 13.204 min Scan# 3783
 Delta R.T. 0.000 min
 Lab File: VV031544.D
 Acq: 15 Jun 2023 20:43

Tgt Ion:180 Resp: 151313
 Ion Ratio Lower Upper
 180 100
 182 95.1 77.7 116.5
 145 32.1 26.1 39.1





#71

Naphthalene

Concen: 51.504 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. 0.000 min

Lab File: VV031544.D

Acq: 15 Jun 2023 20:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD050372

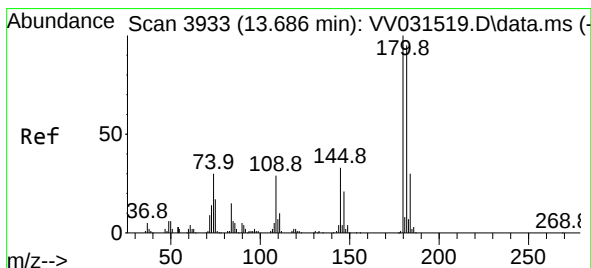
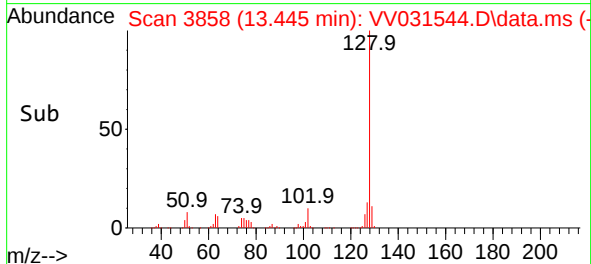
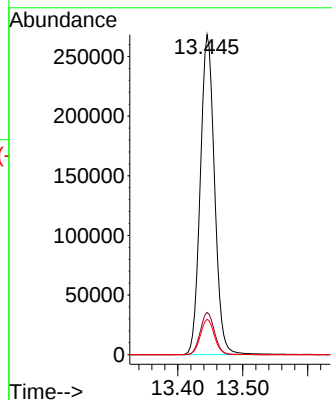
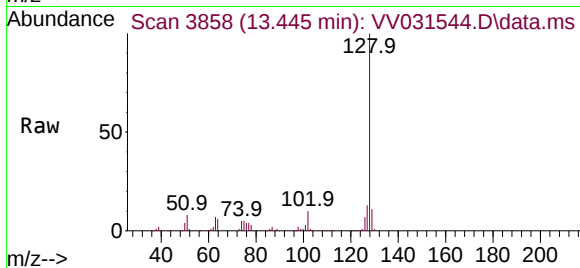
Tgt Ion:128 Resp: 410459

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

129 10.9 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 47.860 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. 0.000 min

Lab File: VV031544.D

Acq: 15 Jun 2023 20:43

Tgt Ion:180 Resp: 156481

Ion Ratio Lower Upper

180 100

182 95.8 74.0 111.0

145 33.9 26.2 39.2

