

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061423\
 Data File : VW031513.D
 Acq On : 14 Jun 2023 13:55
 Operator : SY/MD
 Sample : VSTD01034
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010234

Quant Time: Jun 15 00:17:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM061423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 15 00:16:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	223253	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	223675	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	124325	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	15675	8.531	ug/L	0.00
7) Chloroethane-d5	1.539	69	13521	9.302	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.066	65	7963	9.163	ug/L	0.00
21) 2-Butanone-d5	3.815	46	18437	17.483	ug/L	0.02
24) Chloroform-d	4.265	84	38499	11.108	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.954	65	23723	10.306	ug/L	0.00
32) Benzene-d6	4.973	84	59641	9.683	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.998	67	21883	11.453	ug/L	0.00
41) Toluene-d8	7.252	98	52255	9.135	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.564	79	10200	10.708	ug/L	0.00
47) 2-Hexanone-d5	8.037	63	13978	18.580	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.159	84	33749	11.757	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.567	152	23380	10.262	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.111	85	24252	14.893	ug/L	99
3) Chloromethane	1.217	50	22847	13.397	ug/L	96
5) Vinyl chloride	1.288	62	22102	14.119	ug/L	100
6) Bromomethane	1.494	94	13671	14.657	ug/L	94
8) Chloroethane	1.555	64	17153	16.953	ug/L	92
9) Trichlorofluoromethane	1.719	101	36864	12.493	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	19155	12.321	ug/L	99
12) 1,1-Dichloroethene	2.076	96	16032	12.021	ug/L	94
13) Acetone	2.124	43	23446	18.007	ug/L	98
14) Carbon disulfide	2.249	76	47948	17.054	ug/L	98
15) Methyl Acetate	2.384	43	18595	11.656	ug/L	98
16) Methylene chloride	2.455	84	21163	14.002	ug/L	99
17) trans-1,2-Dichloroethene	2.700	96	15626	12.313	ug/L	94
18) Methyl tert-butyl Ether	2.712	73	52066	11.048	ug/L	99
19) 1,1-Dichloroethane	3.124	63	36517	12.892	ug/L	96
20) cis-1,2-Dichloroethene	3.831	96	17247	11.398	ug/L	92
22) 2-Butanone	3.896	43	20239	15.579	ug/L	91
23) Bromochloromethane	4.166	128	9816	11.877	ug/L	90
25) Chloroform	4.288	83	37400	12.001	ug/L	78
27) 1,2-Dichloroethane	5.053	62	29077	11.298	ug/L	98
29) Cyclohexane	4.590	56	24254	12.094	ug/L	99
30) 1,1,1-Trichloroethane	4.523	97	35423	12.163	ug/L	98
31) Carbon tetrachloride	4.745	117	30395	11.879	ug/L	99
33) Benzene	5.021	78	70469	12.162	ug/L	100
34) Trichloroethene	5.844	95	18892	12.163	ug/L	97
35) Methylcyclohexane	6.056	83	23712	11.144	ug/L	93
37) 1,2-Dichloropropane	6.101	63	20139	12.425	ug/L	# 91
38) Bromodichloromethane	6.442	83	28271	11.639	ug/L	97
39) cis-1,3-Dichloropropene	6.963	75	25716	10.307	ug/L	98
40) 4-Methyl-2-pentanone	7.169	43	43919	18.605	ug/L	95
42) Toluene	7.323	91	67387	10.793	ug/L	100
44) trans-1,3-Dichloropropene	7.590	75	26908	10.809	ug/L	97

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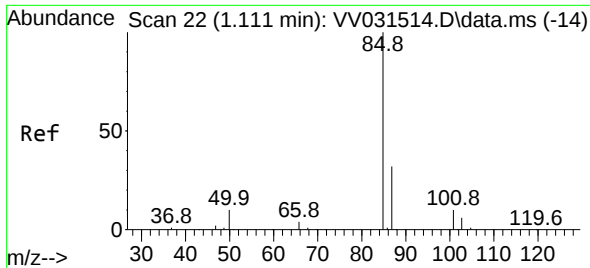
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010234

Quant Time: Jun 15 00:17:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM061423WMA.M
 Quant Title : VOC Analysis
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 Response via : Initial Calibration

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

45) 1,1,2-Trichloroethane	7.777	97	19928	11.672	ug/L	98
46) Tetrachloroethene	7.915	164	14394	11.004	ug/L	96
48) 2-Hexanone	8.088	43	33222	17.166	ug/L	96
49) Dibromochloromethane	8.185	129	21950	11.419	ug/L	95
50) 1,2-Dibromoethane	8.291	107	20832	12.005	ug/L #	99
51) Chlorobenzene	8.822	112	48326	11.125	ug/L	95
52) Ethylbenzene	8.953	91	72935	10.261	ug/L	100
53) m,p-Xylene	9.079	106	26344	9.663	ug/L	98
54) o-Xylene	9.484	106	24962	9.363	ug/L	96
55) Styrene	9.503	104	42947	9.068	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.185	83	32303	11.483	ug/L	93
59) Bromoform	9.670	173	14406	9.672	ug/L #	98
60) Isopropylbenzene	9.873	105	69847	9.968	ug/L	100
61) 1,2,3-Trichloropropane	10.217	75	25028	12.389	ug/L	98
62) 1,3,5-Trimethylbenzene	10.484	105	54653	9.439	ug/L	98
63) 1,2,4-Trimethylbenzene	10.860	105	49927	8.924	ug/L	99
64) 1,3-Dichlorobenzene	11.124	146	37846	10.695	ug/L	98
65) 1,4-Dichlorobenzene	11.217	146	42189	11.455	ug/L	97
67) 1,2-Dichlorobenzene	11.587	146	38731	10.838	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.371	75	7065	11.421	ug/L	96
69) 1,3,5-Trichlorobenzene	12.590	180	28830	10.567	ug/L	97
70) 1,2,4-trichlorobenzene	13.207	180	23347	10.065	ug/L	98
71) Naphthalene	13.448	128	55426	9.143	ug/L	98
72) 1,2,3-Trichlorobenzene	13.686	180	25247	10.735	ug/L	99

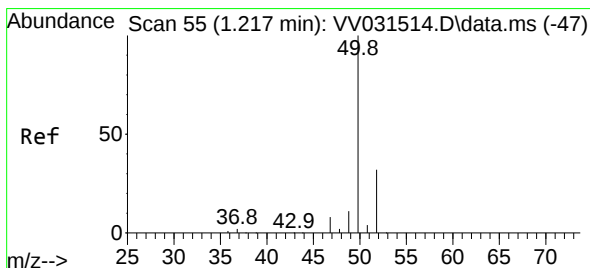
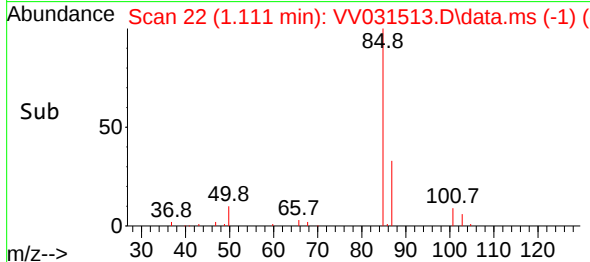
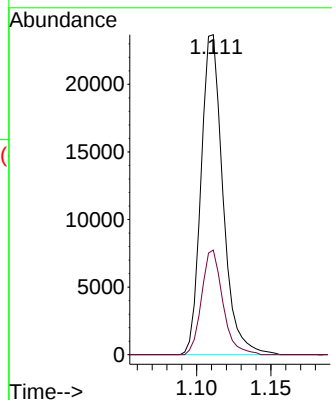
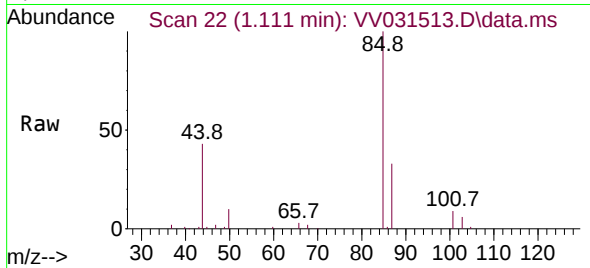
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 14.893 ug/L
 RT: 1.111 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV031513.D
 Acq: 14 Jun 2023 13:55

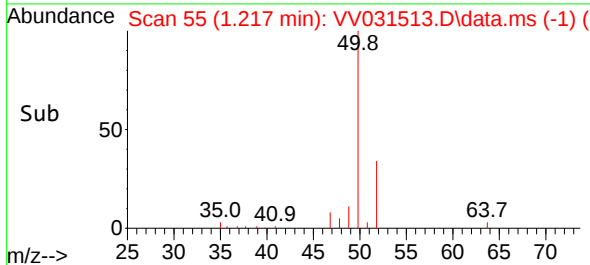
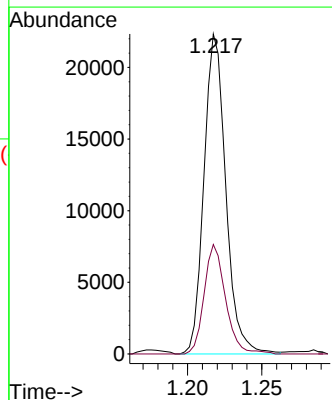
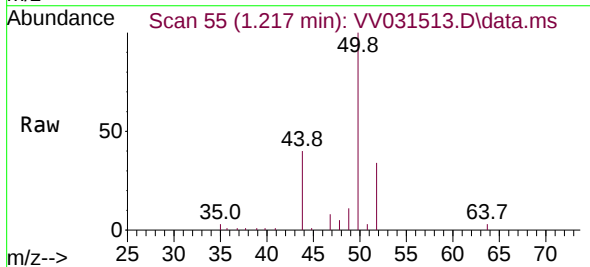
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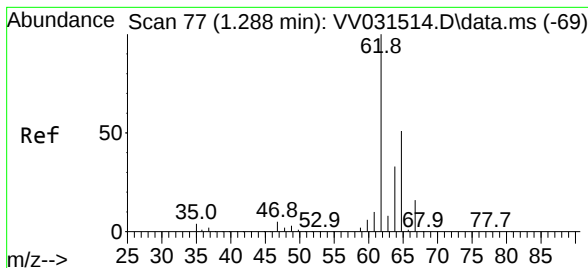
Tgt Ion: 85 Resp: 24252
 Ion Ratio Lower Upper
 85 100
 87 31.6 25.5 38.3



#3
 Chloromethane
 Concen: 13.397 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV031513.D
 Acq: 14 Jun 2023 13:55

Tgt Ion: 50 Resp: 22847
 Ion Ratio Lower Upper
 50 100
 52 34.2 22.3 41.5

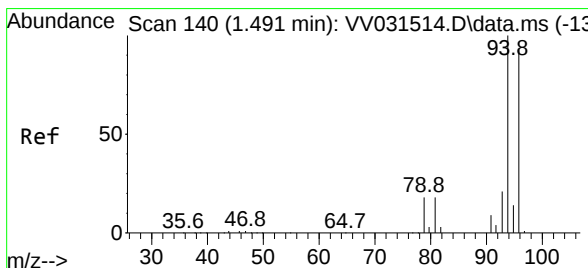
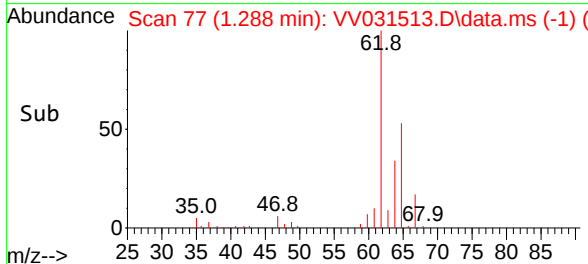
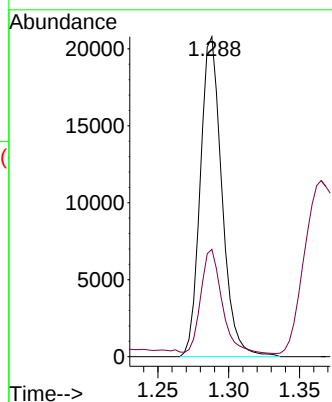
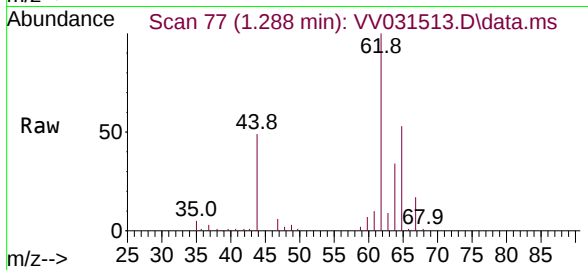




#5
 Vinyl chloride
 Concen: 14.119 ug/L
 RT: 1.288 min Scan# 77
 Delta R.T. 0.000 min
 Lab File: VV031513.D
 Acq: 14 Jun 2023 13:55

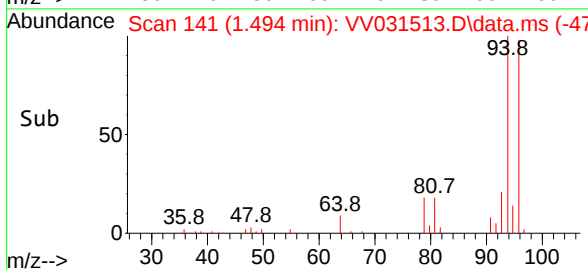
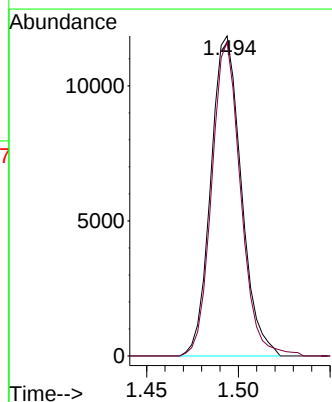
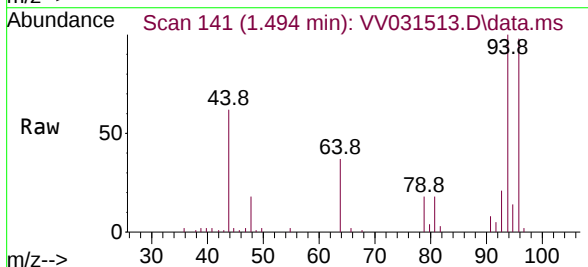
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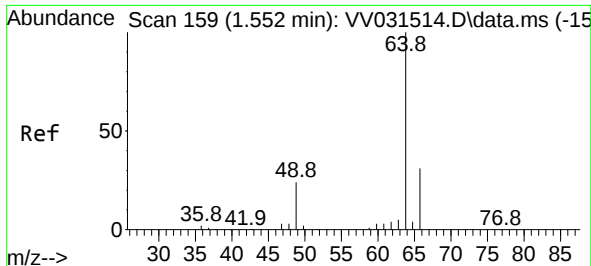
Tgt Ion: 62 Resp: 22102
 Ion Ratio Lower Upper
 62 100
 64 33.5 23.4 43.4



#6
 Bromomethane
 Concen: 14.657 ug/L
 RT: 1.494 min Scan# 141
 Delta R.T. 0.003 min
 Lab File: VV031513.D
 Acq: 14 Jun 2023 13:55

Tgt Ion: 94 Resp: 13671
 Ion Ratio Lower Upper
 94 100
 96 87.4 65.4 121.4





#8

Chloroethane

Concen: 16.953 ug/L

RT: 1.555 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV031513.D

Acq: 14 Jun 2023 13:55

Instrument :

MSVOA_V

ClientSampleId :

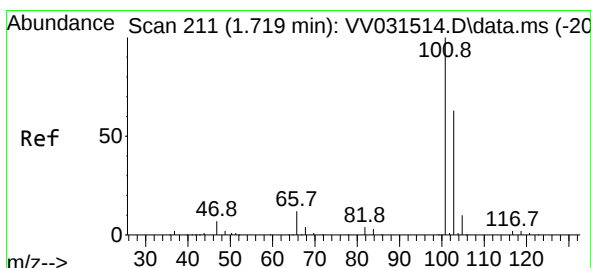
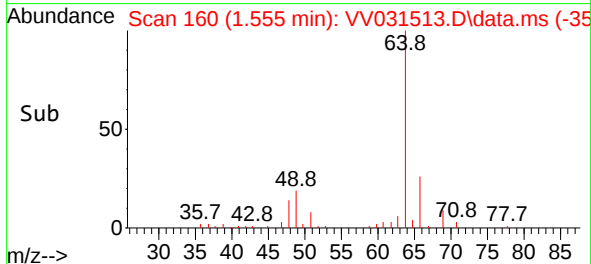
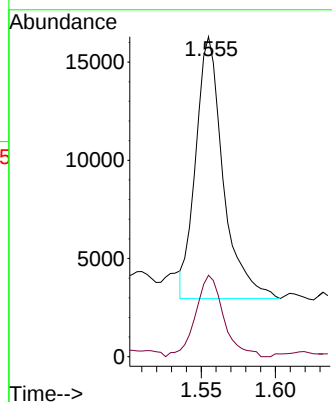
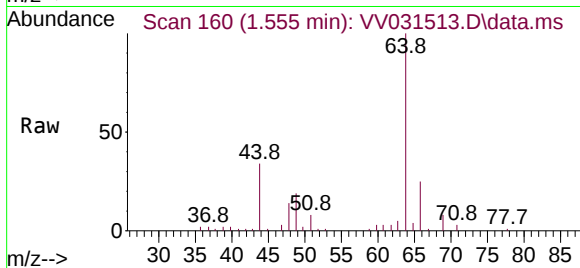
VSTD010234

Tgt Ion: 64 Resp: 17153

Ion Ratio Lower Upper

64 100

66 25.4 21.0 39.0



#9

Trichlorofluoromethane

Concen: 12.493 ug/L

RT: 1.719 min Scan# 211

Delta R.T. 0.000 min

Lab File: VV031513.D

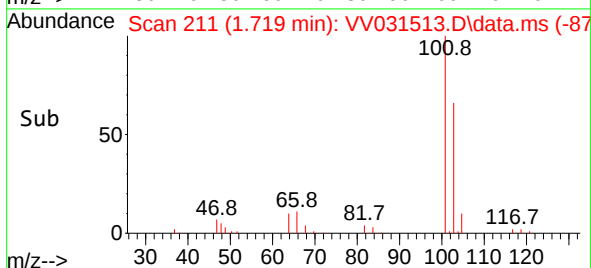
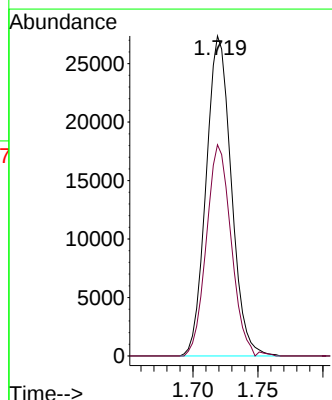
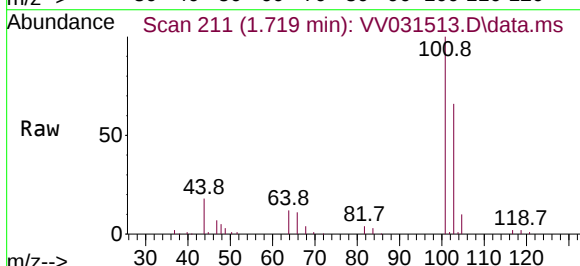
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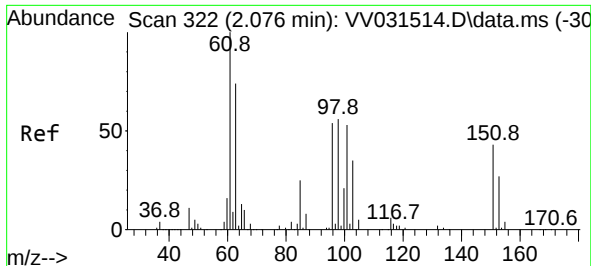
Tgt Ion:101 Resp: 36864

Ion Ratio Lower Upper

101 100

103 64.6 50.9 76.3

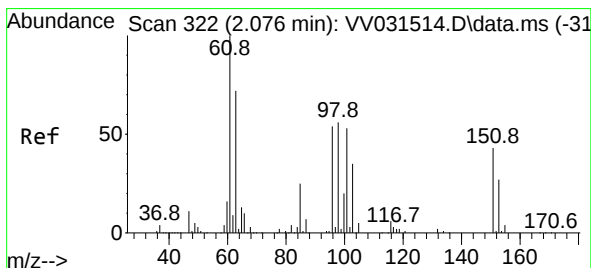
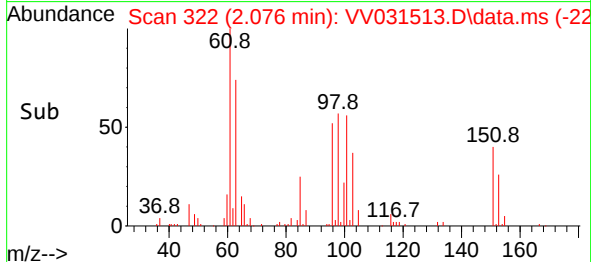
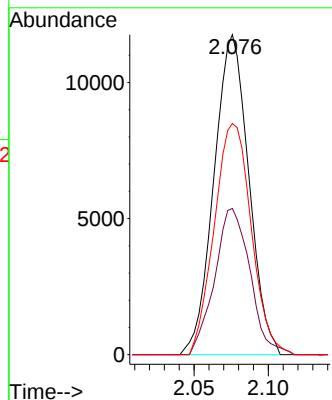
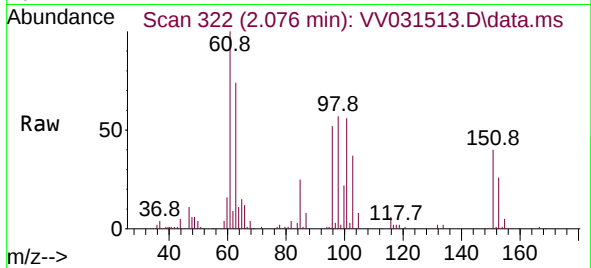




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 12.321 ug/L
 RT: 2.076 min Scan# 311
 Delta R.T. 0.000 min
 Lab File: VV031513.D
 Acq: 14 Jun 2023 13:55

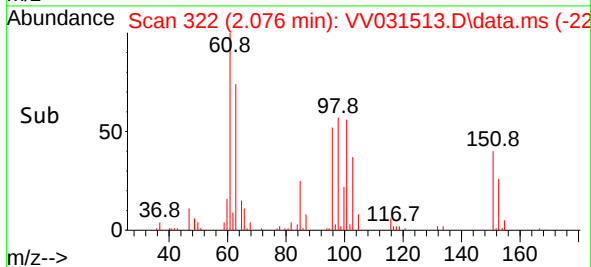
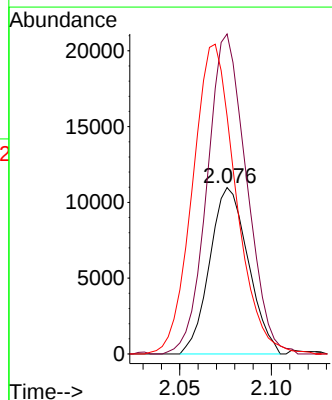
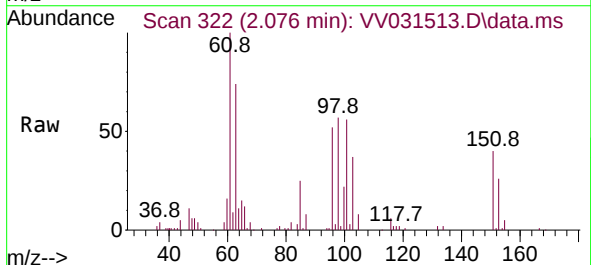
Instrument :
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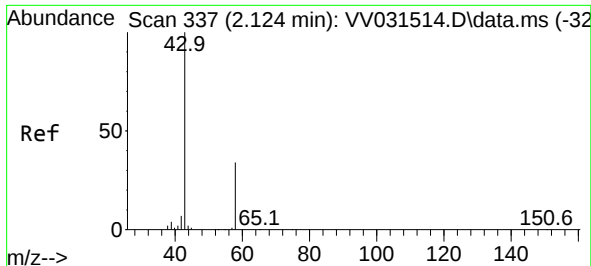
Tgt Ion:101 Resp: 19155
 Ion Ratio Lower Upper
 101 100
 85 46.4 37.4 56.0
 151 76.9 62.3 93.5



#12
 1,1-Dichloroethene
 Concen: 12.021 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. 0.000 min
 Lab File: VV031513.D
 Acq: 14 Jun 2023 13:55

Tgt Ion: 96 Resp: 16032
 Ion Ratio Lower Upper
 96 100
 61 192.2 128.9 239.5
 63 142.9 95.3 177.1





#13

Acetone

Concen: 18.007 ug/L

RT: 2.124 min Scan# 337

Delta R.T. 0.000 min

Lab File: VV031513.D

Acq: 14 Jun 2023 13:55

Instrument :

MSVOA_V

ClientSampleId :

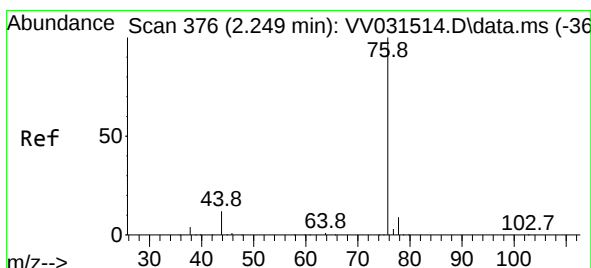
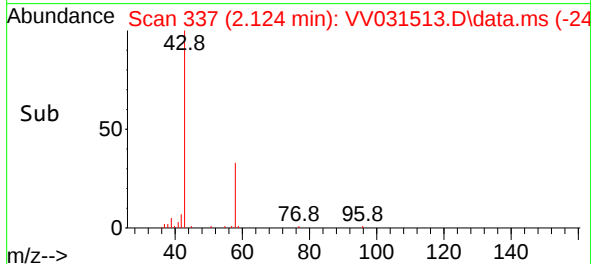
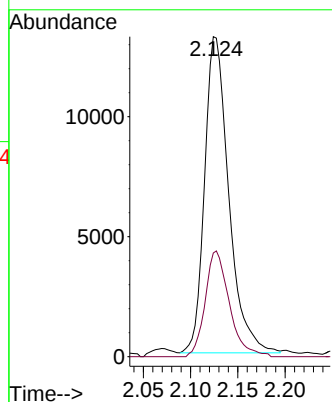
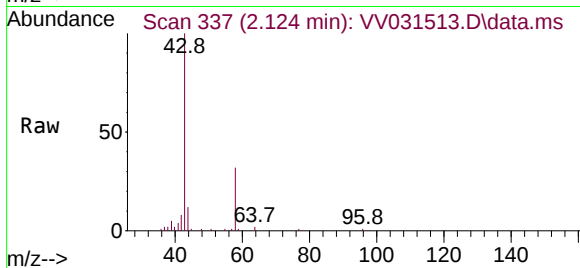
VSTD010234

Tgt Ion: 43 Resp: 23446

Ion Ratio Lower Upper

43 100

58 33.2 0.0 68.6



#14

Carbon disulfide

Concen: 17.054 ug/L

RT: 2.249 min Scan# 376

Delta R.T. 0.000 min

Lab File: VV031513.D

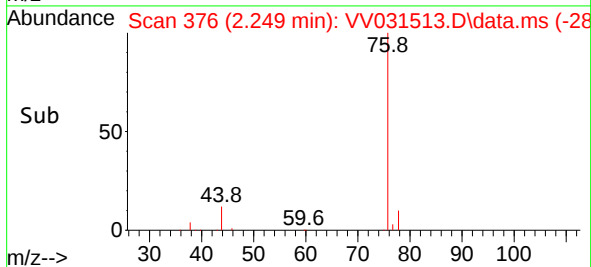
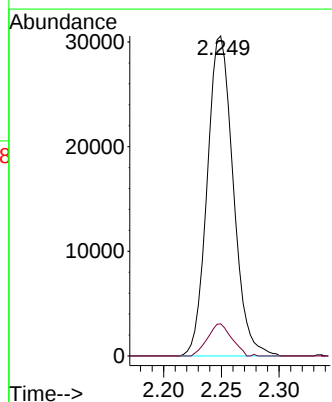
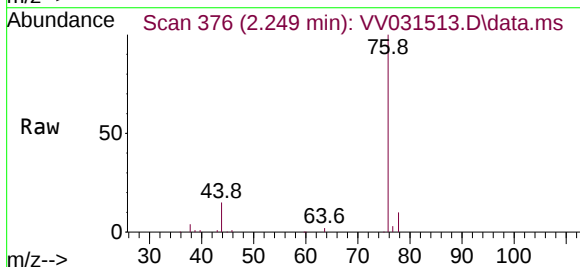
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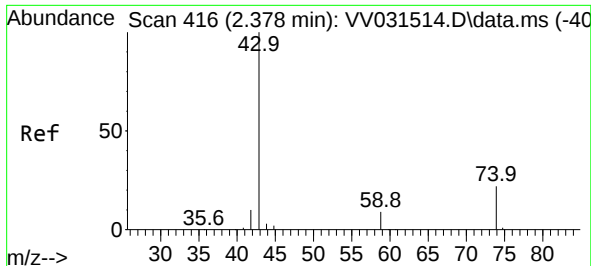
Tgt Ion: 76 Resp: 47948

Ion Ratio Lower Upper

76 100

78 9.8 7.1 10.7

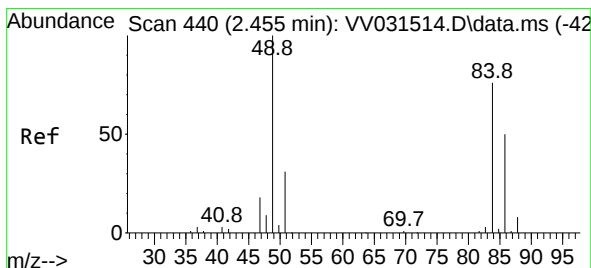
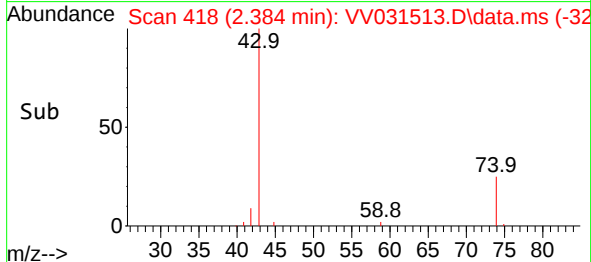
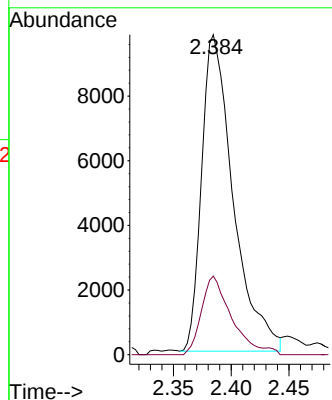
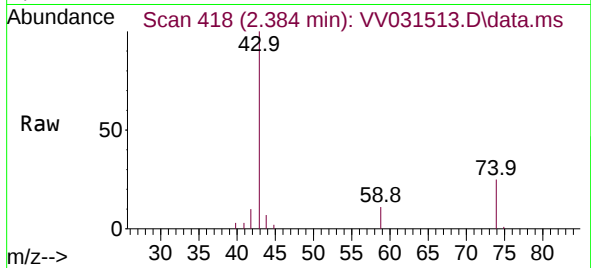




#15
Methyl Acetate
Concen: 11.656 ug/L
RT: 2.384 min Scan# 416
Delta R.T. 0.006 min
Lab File: VV031513.D
Acq: 14 Jun 2023 13:55

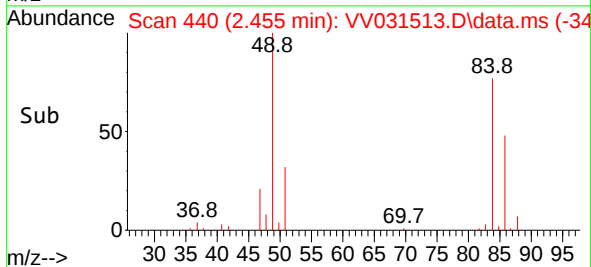
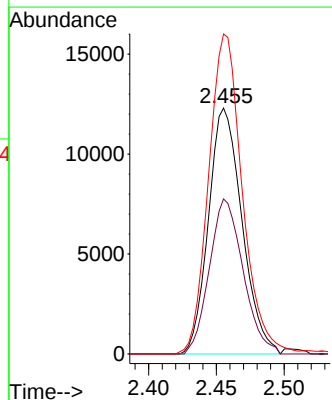
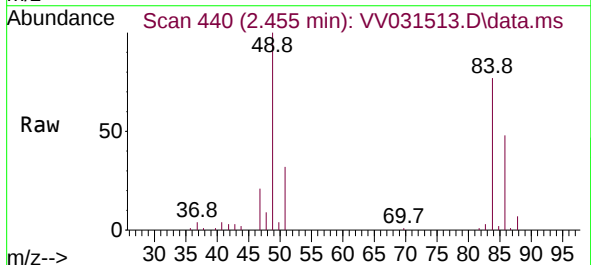
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ClientSampleId :
VSTD010234

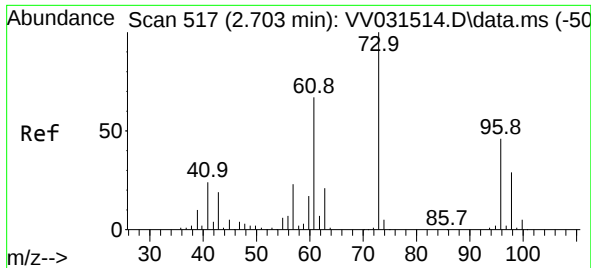
Tgt Ion: 43 Resp: 18595
Ion Ratio Lower Upper
43 100
74 23.2 17.8 26.6



#16
Methylene chloride
Concen: 14.002 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.000 min
Lab File: VV031513.D
Acq: 14 Jun 2023 13:55

Tgt Ion: 84 Resp: 21163
Ion Ratio Lower Upper
84 100
86 64.6 45.8 85.0
49 130.2 92.1 171.1

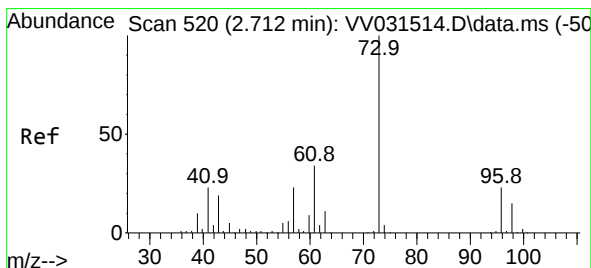
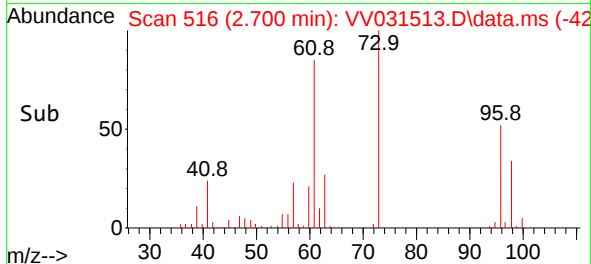
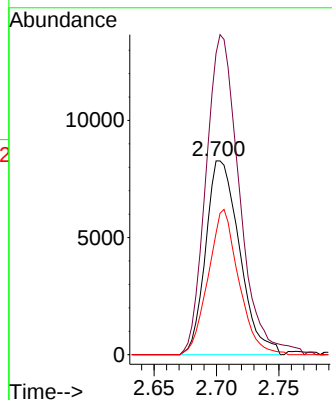
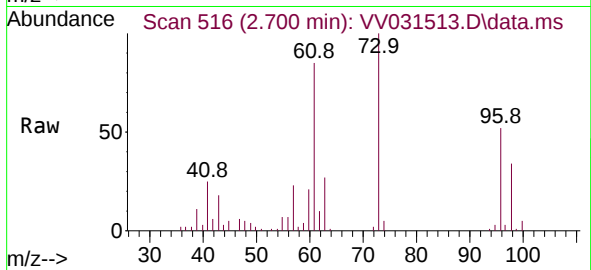




#17
trans-1,2-Dichloroethene
Concen: 12.313 ug/L
RT: 2.700 min Scan# 51
Delta R.T. -0.003 min
Lab File: VV031513.D
Acq: 14 Jun 2023 13:55

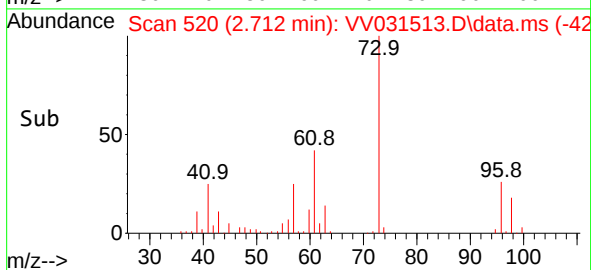
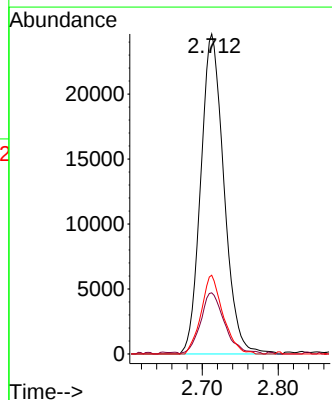
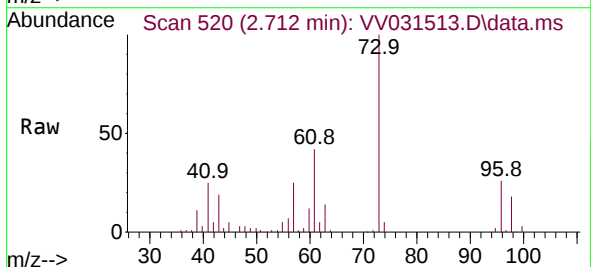
Instrument :
MSVOA_V
ClientSampleId :
VSTD010234

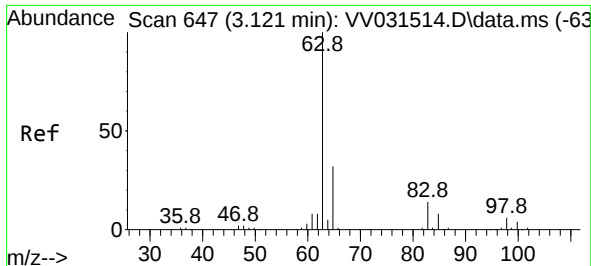
Tgt Ion: 96 Resp: 15626
Ion Ratio Lower Upper
96 100
61 155.5 102.5 190.3
98 64.8 44.1 81.9



#18
Methyl tert-butyl Ether
Concen: 11.048 ug/L
RT: 2.712 min Scan# 520
Delta R.T. 0.000 min
Lab File: VV031513.D
Acq: 14 Jun 2023 13:55

Tgt Ion: 73 Resp: 52066
Ion Ratio Lower Upper
73 100
43 19.8 15.0 22.4
57 23.0 18.2 27.4





#19

1,1-Dichloroethane

Concen: 12.892 ug/L

RT: 3.124 min Scan# 647

Delta R.T. 0.003 min

Lab File: VV031513.D

Acq: 14 Jun 2023 13:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD010234

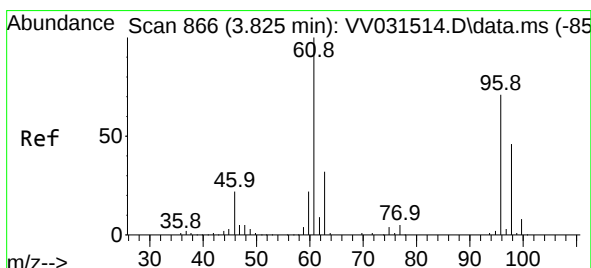
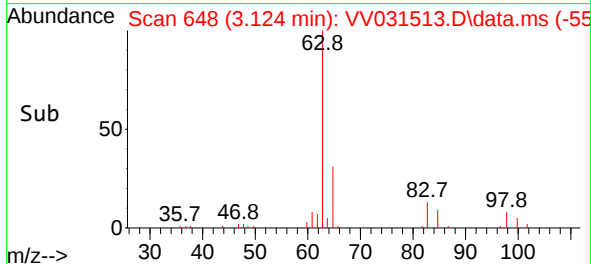
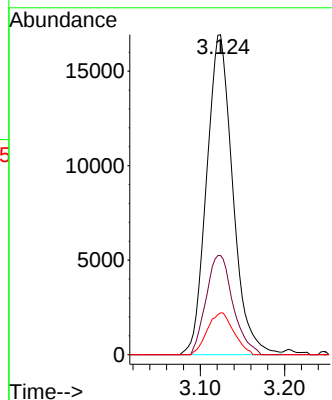
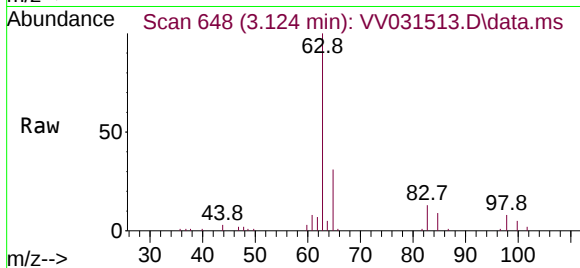
Tgt Ion: 63 Resp: 36517

Ion Ratio Lower Upper

63 100

65 30.4 22.5 41.7

83 12.5 10.0 18.6



#20

cis-1,2-Dichloroethene

Concen: 11.398 ug/L

RT: 3.831 min Scan# 868

Delta R.T. 0.006 min

Lab File: VV031513.D

Acq: 14 Jun 2023 13:55

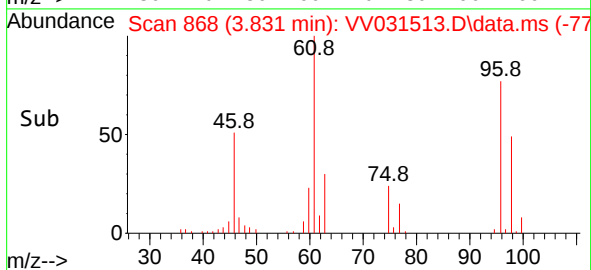
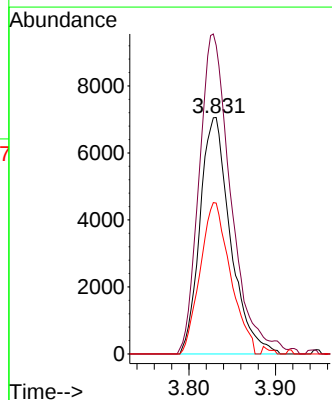
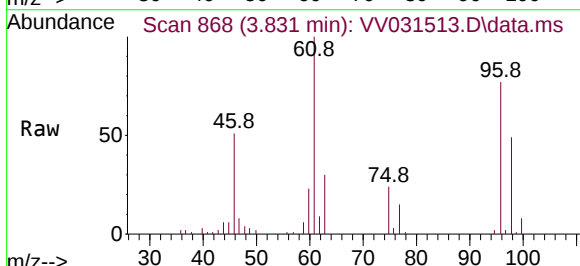
Tgt Ion: 96 Resp: 17247

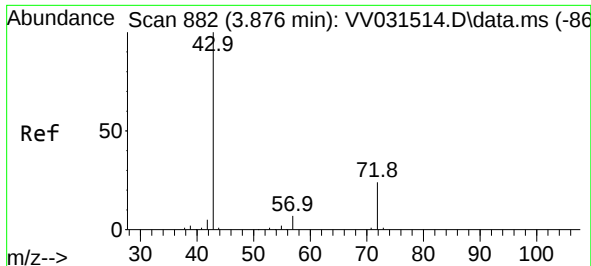
Ion Ratio Lower Upper

96 100

61 127.3 98.6 183.0

98 63.8 45.7 84.9





#22

2-Butanone

Concen: 15.579 ug/L

RT: 3.896 min Scan# 81

Delta R.T. 0.019 min

Lab File: VV031513.D

Acq: 14 Jun 2023 13:55

Instrument :

MSVOA_V

ClientSampleId :

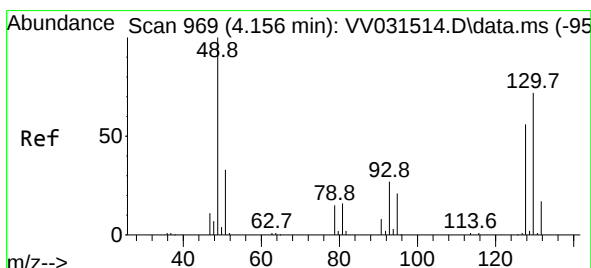
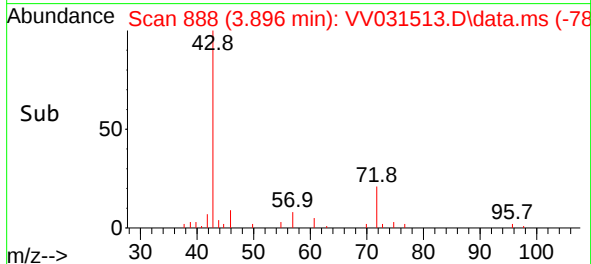
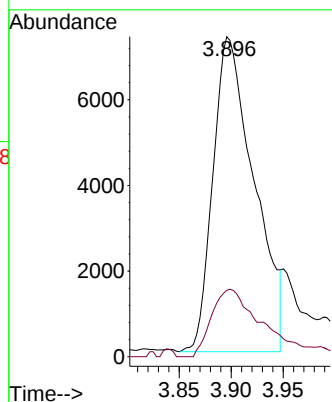
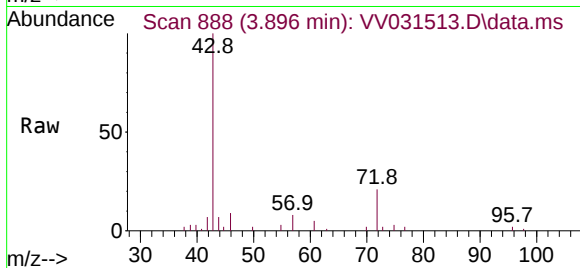
VSTD010234

Tgt Ion: 43 Resp: 20239

Ion Ratio Lower Upper

43 100

72 19.8 12.2 36.4



#23

Bromochloromethane

Concen: 11.877 ug/L

RT: 4.166 min Scan# 972

Delta R.T. 0.010 min

Lab File: VV031513.D

Acq: 14 Jun 2023 13:55

Tgt Ion: 128 Resp: 9816

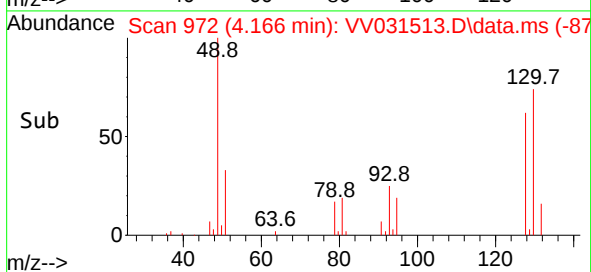
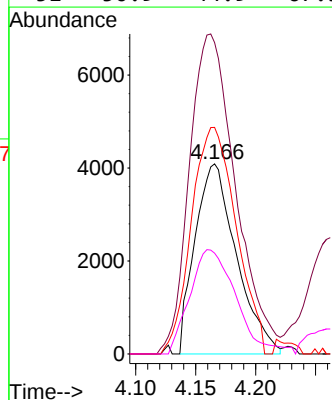
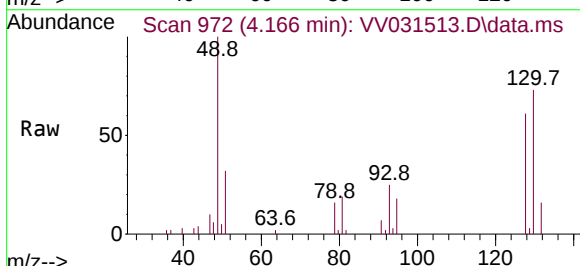
Ion Ratio Lower Upper

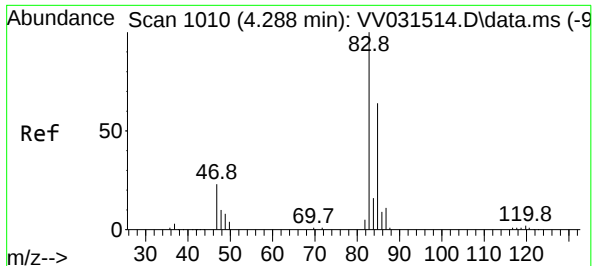
128 100

49 157.2 120.6 224.0

130 114.4 88.1 163.7

51 50.9 44.9 67.3





#25

Chloroform

Concen: 12.001 ug/L

RT: 4.288 min Scan# 1010

Delta R.T. 0.000 min

Lab File: VV031513.D

Acq: 14 Jun 2023 13:55

Instrument :

MSVOA_V

ClientSampleId :

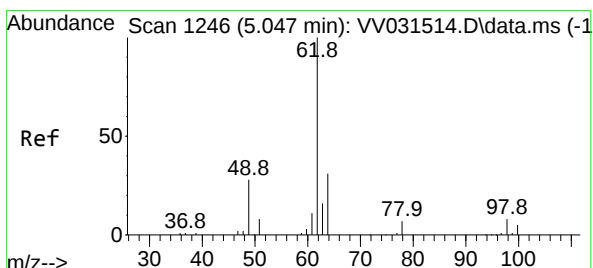
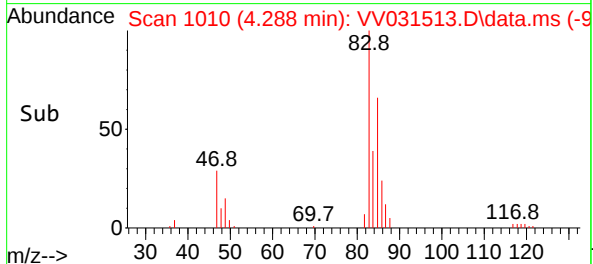
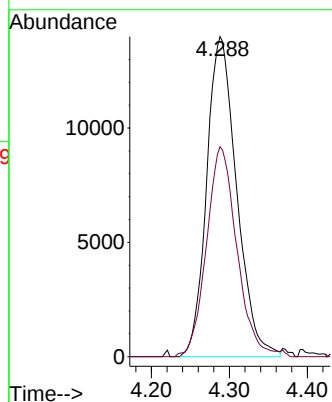
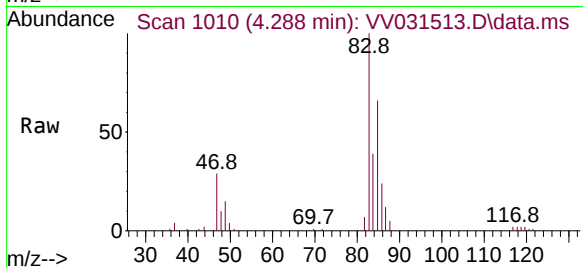
VSTD010234

Tgt Ion: 83 Resp: 37400

Ion Ratio Lower Upper

83 100

85 47.1 45.3 84.1



#27

1,2-Dichloroethane

Concen: 11.298 ug/L

RT: 5.053 min Scan# 1248

Delta R.T. 0.006 min

Lab File: VV031513.D

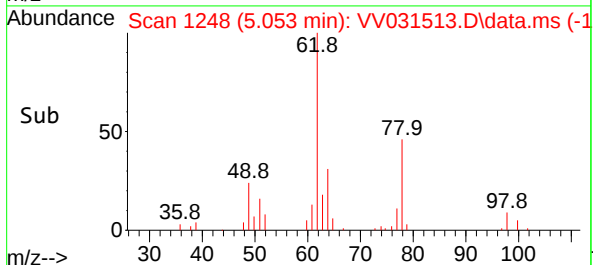
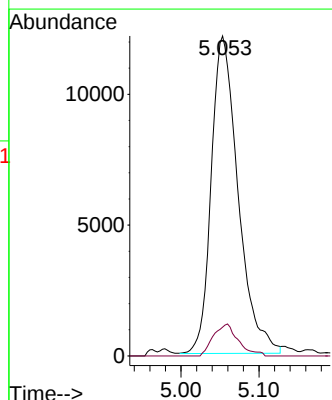
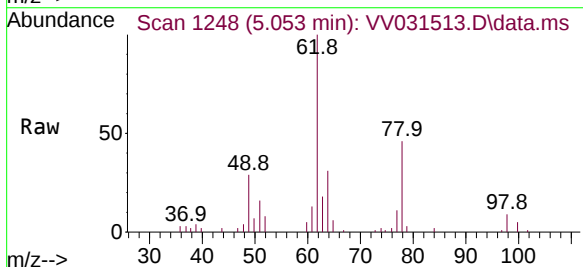
Acq: 14 Jun 2023 13:55

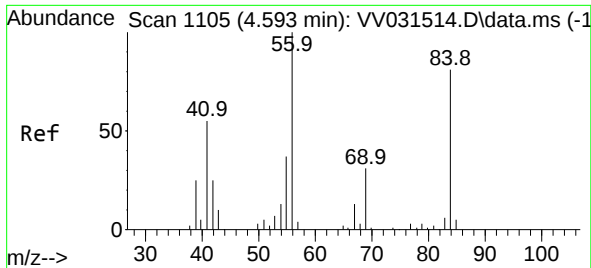
Tgt Ion: 62 Resp: 29077

Ion Ratio Lower Upper

62 100

98 9.0 6.6 9.8

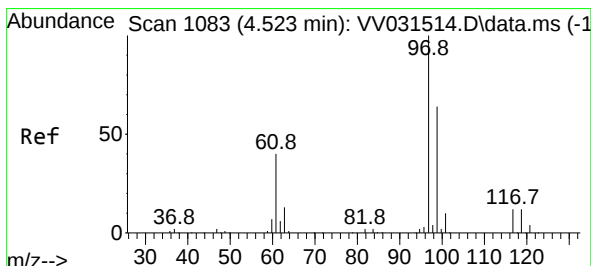
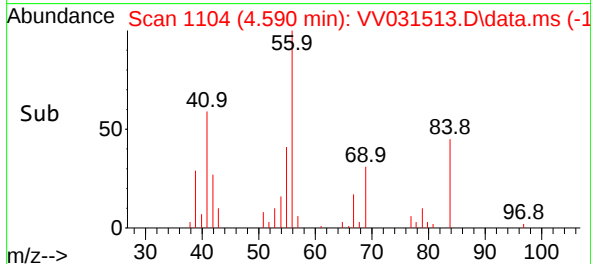
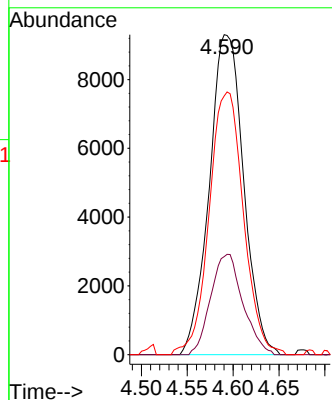
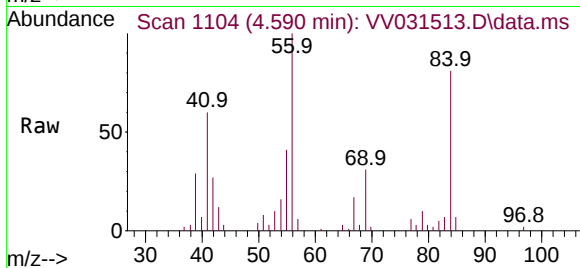




#29
Cyclohexane
Concen: 12.094 ug/L
RT: 4.590 min Scan# 1105
Delta R.T. -0.003 min
Lab File: VV031513.D
Acq: 14 Jun 2023 13:55

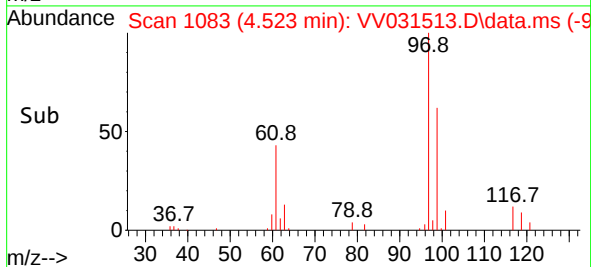
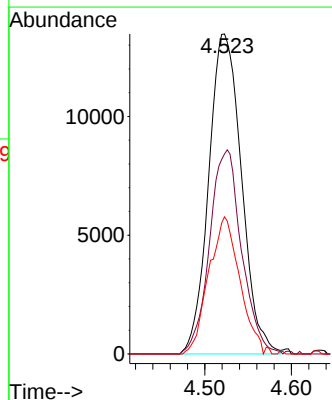
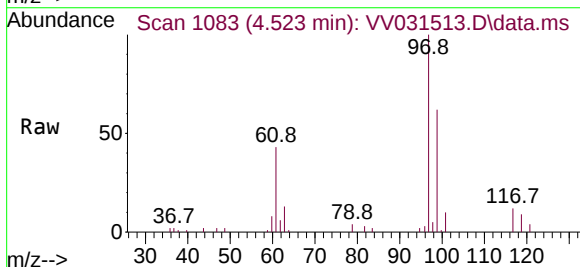
Instrument :
MSVOA_V
ClientSampleId :
VSTD010234

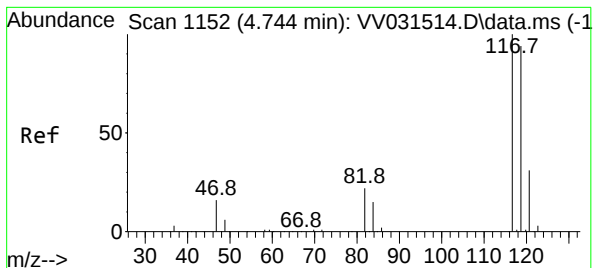
Tgt Ion:	56	Resp:	24254
Ion	Ratio	Lower	Upper
56	100		
69	29.4	24.3	36.5
84	81.9	65.0	97.6



#30
1,1,1-Trichloroethane
Concen: 12.163 ug/L
RT: 4.523 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VV031513.D
Acq: 14 Jun 2023 13:55

Tgt Ion:	97	Resp:	35423
Ion	Ratio	Lower	Upper
97	100		
99	62.3	51.8	77.6
61	40.6	33.0	49.6





#31

Carbon tetrachloride

Concen: 11.879 ug/L

RT: 4.745 min Scan# 1152

Delta R.T. 0.000 min

Lab File: VV031513.D

Acq: 14 Jun 2023 13:55

Instrument :

MSVOA_V

ClientSampleId :

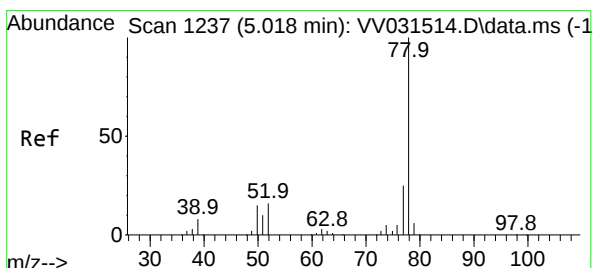
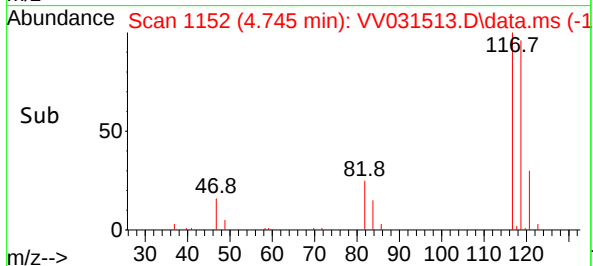
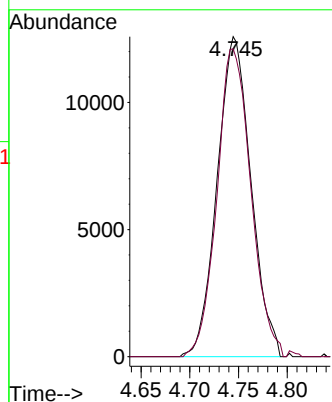
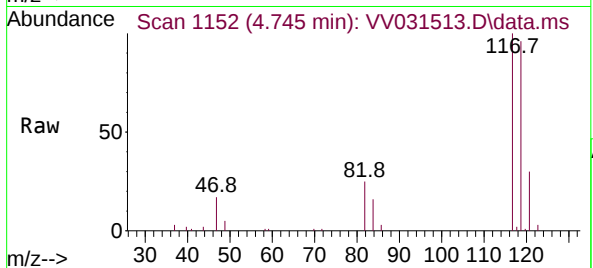
VSTD010234

Tgt Ion:117 Resp: 30395

Ion Ratio Lower Upper

117 100

119 96.5 76.2 114.4



#33

Benzene

Concen: 12.162 ug/L

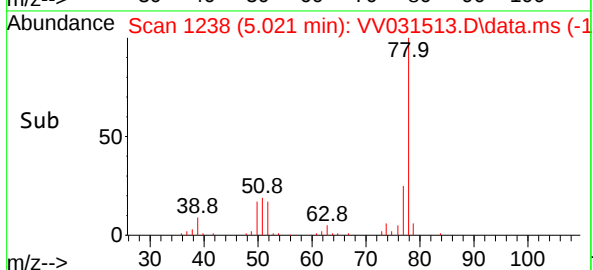
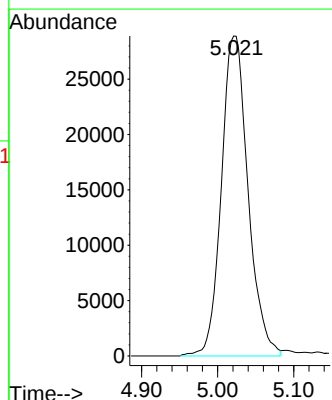
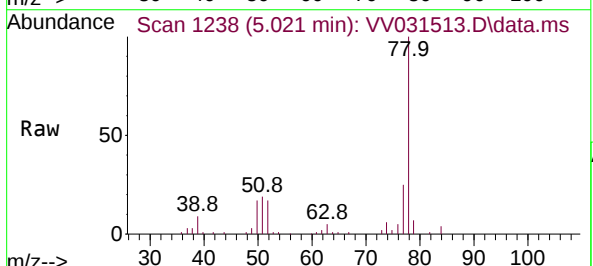
RT: 5.021 min Scan# 1238

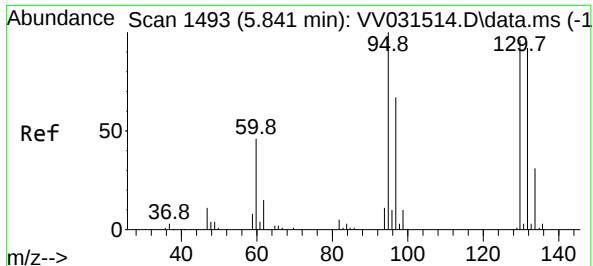
Delta R.T. 0.003 min

Lab File: VV031513.D

Acq: 14 Jun 2023 13:55

Tgt Ion: 78 Resp: 70469



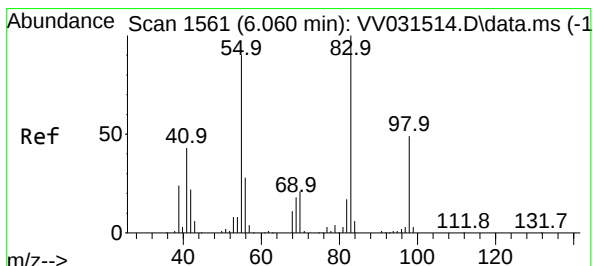
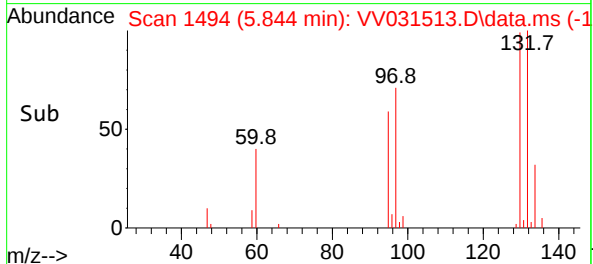
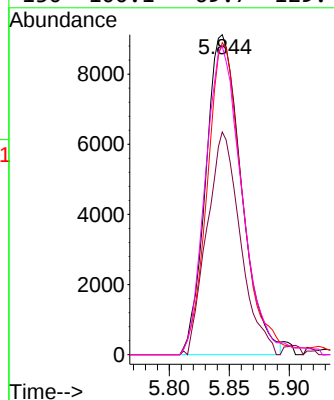
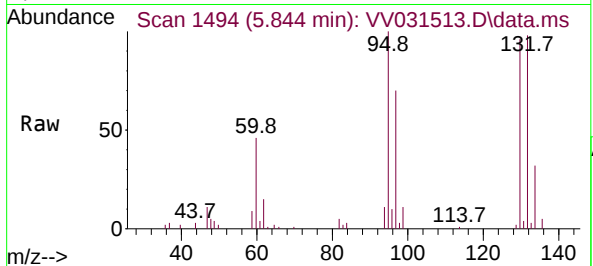


#34
Trichloroethene
Concen: 12.163 ug/L
RT: 5.844 min Scan# 1493
Delta R.T. 0.003 min
Lab File: VV031513.D
Acq: 14 Jun 2023 13:55

Instrument :
MSVOA_V
ClientSampleId :
VSTD010234

Tgt Ion: 95 Resp: 18892

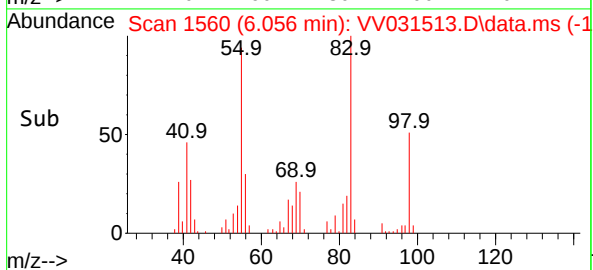
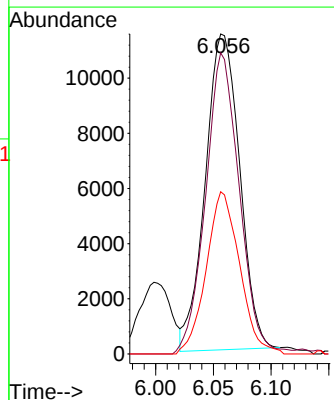
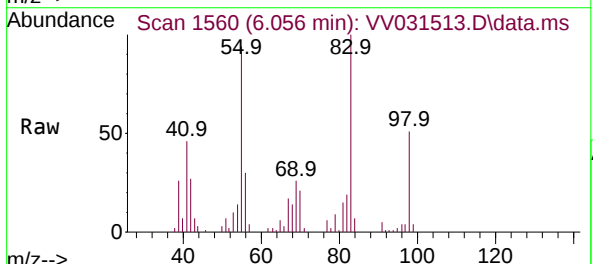
Ion	Ratio	Lower	Upper
95	100		
97	69.6	46.8	86.8
132	100.5	66.4	123.2
130	100.1	69.7	129.4

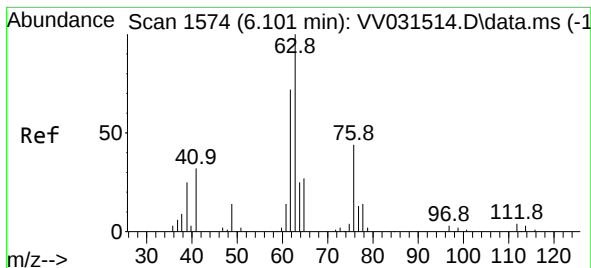


#35
Methylcyclohexane
Concen: 11.144 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. -0.003 min
Lab File: VV031513.D
Acq: 14 Jun 2023 13:55

Tgt Ion: 83 Resp: 23712

Ion	Ratio	Lower	Upper
83	100		
55	93.7	68.7	103.1
98	49.8	37.0	55.4





#37

1,2-Dichloropropane

Concen: 12.425 ug/L

RT: 6.101 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV031513.D

Acq: 14 Jun 2023 13:55

Instrument :

MSVOA_V

ClientSampleId :

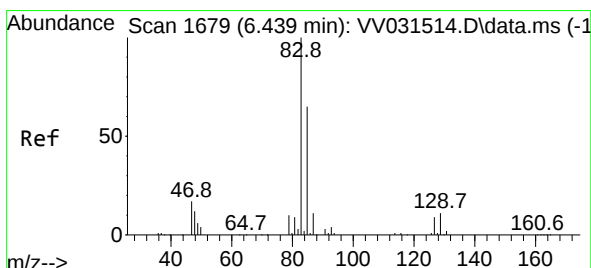
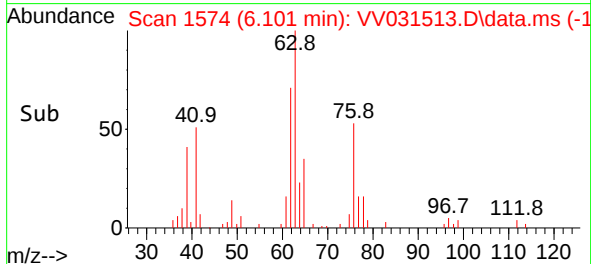
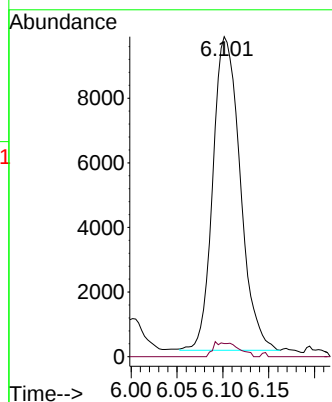
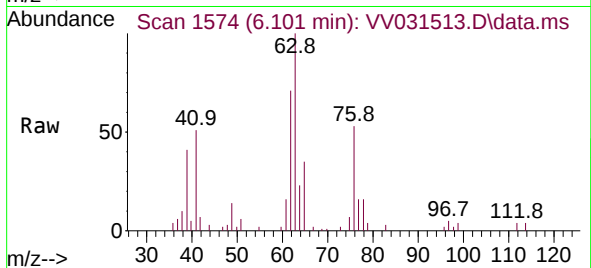
VSTD010234

Tgt Ion: 63 Resp: 20139

Ion Ratio Lower Upper

63 100

112 1.1 3.3 4.9#



#38

Bromodichloromethane

Concen: 11.639 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. 0.003 min

Lab File: VV031513.D

Acq: 14 Jun 2023 13:55

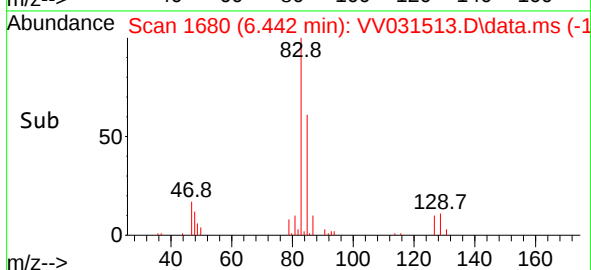
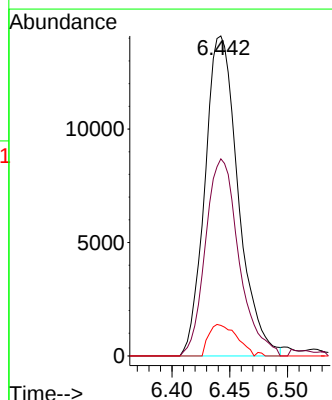
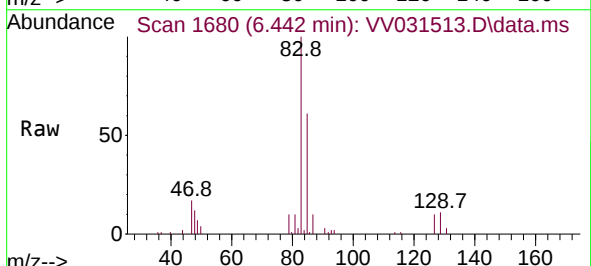
Tgt Ion: 83 Resp: 28271

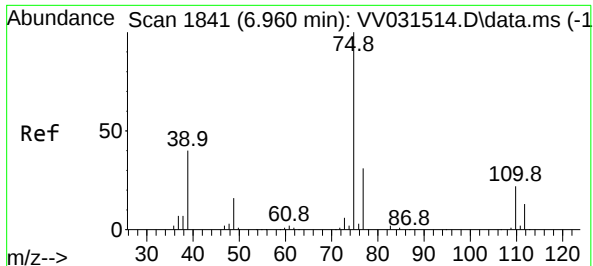
Ion Ratio Lower Upper

83 100

85 61.6 45.3 84.1

127 9.6 7.6 11.4





#39

cis-1,3-Dichloropropene

Concen: 10.307 ug/L

RT: 6.963 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV031513.D

Acq: 14 Jun 2023 13:55

Instrument :

MSVOA_V

ClientSampleId :

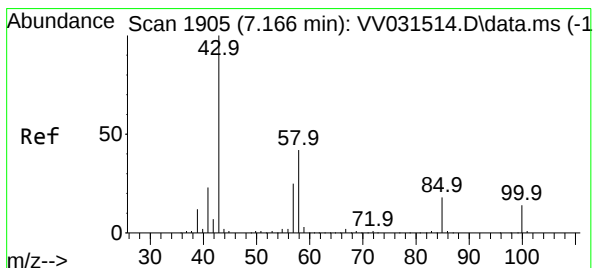
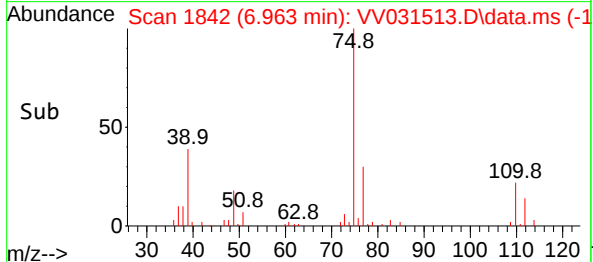
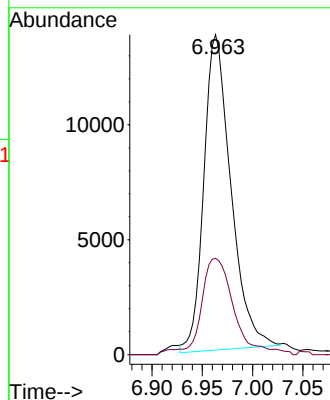
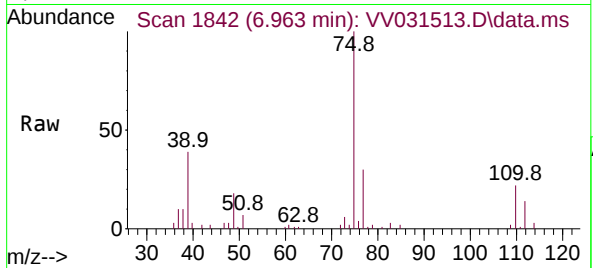
VSTD010234

Tgt Ion: 75 Resp: 25716

Ion Ratio Lower Upper

75 100

77 30.1 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 18.605 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. 0.003 min

Lab File: VV031513.D

Acq: 14 Jun 2023 13:55

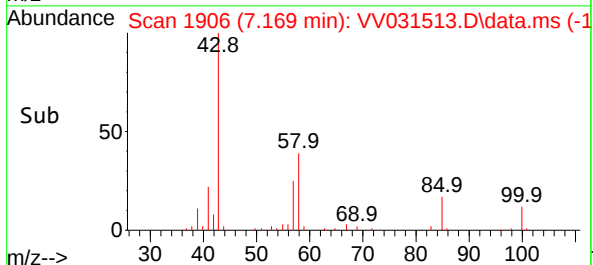
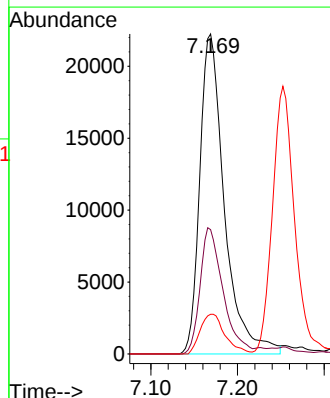
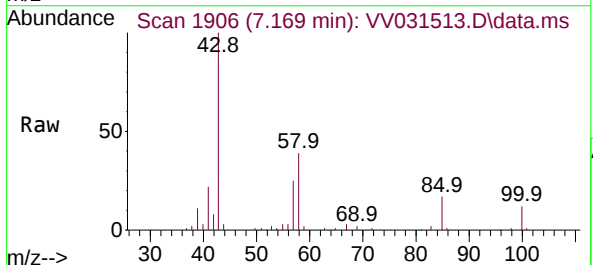
Tgt Ion: 43 Resp: 43919

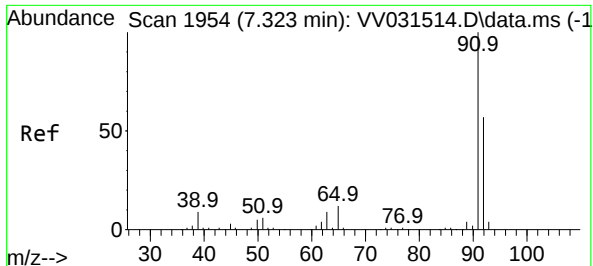
Ion Ratio Lower Upper

43 100

58 36.6 31.8 47.8

100 12.6 11.1 16.7





#42

Toluene

Concen: 10.793 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.000 min

Lab File: VV031513.D

Acq: 14 Jun 2023 13:55

Instrument :

MSVOA_V

ClientSampleId :

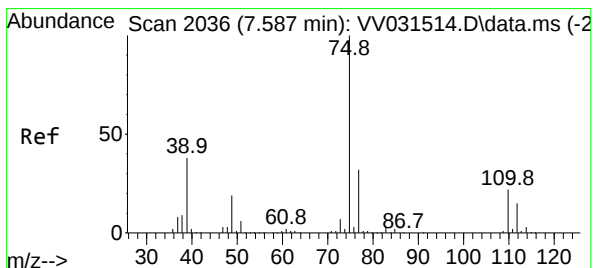
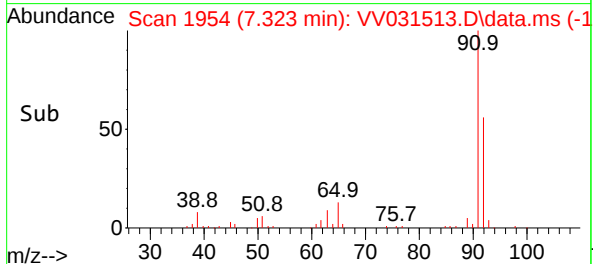
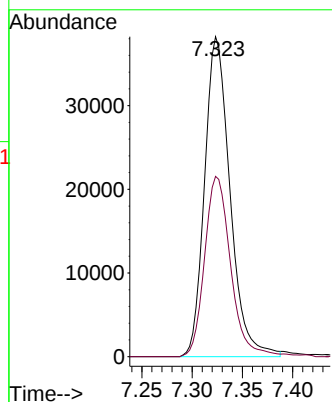
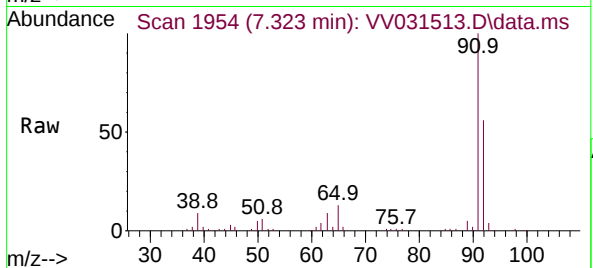
VSTD010234

Tgt Ion: 91 Resp: 67387

Ion Ratio Lower Upper

91 100

92 56.4 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 10.809 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.003 min

Lab File: VV031513.D

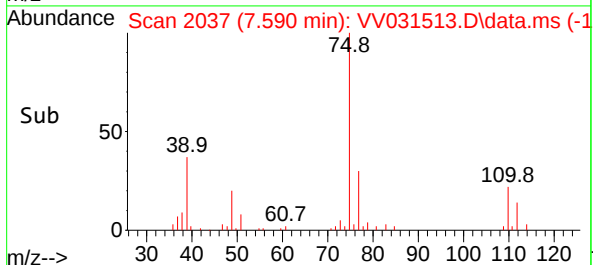
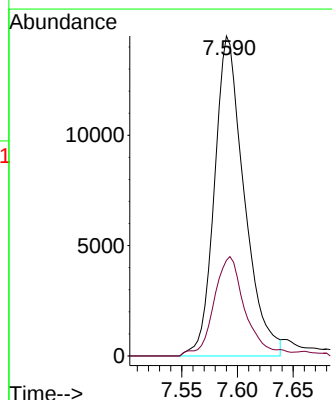
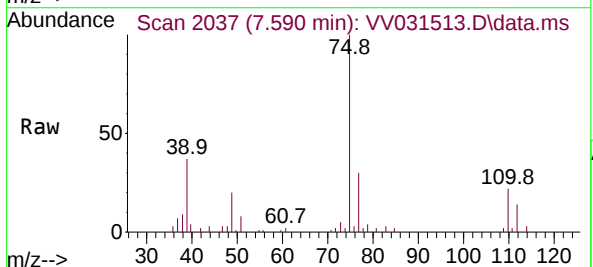
Acq: 14 Jun 2023 13:55

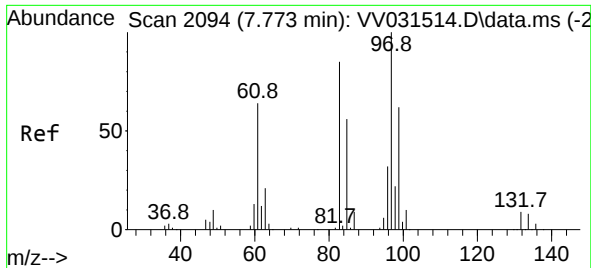
Tgt Ion: 75 Resp: 26908

Ion Ratio Lower Upper

75 100

77 29.9 22.1 41.1

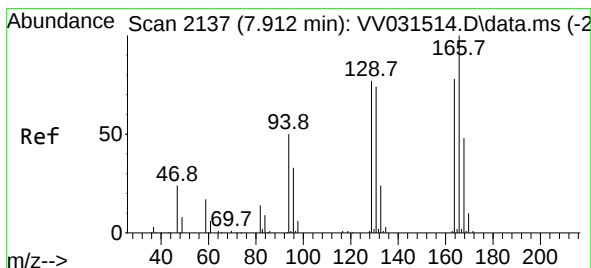
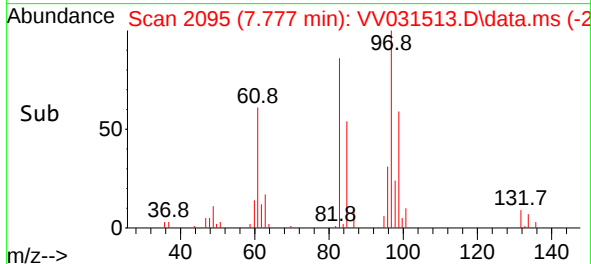
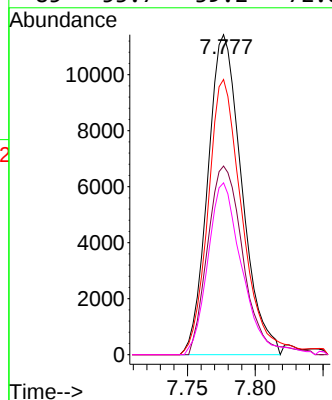
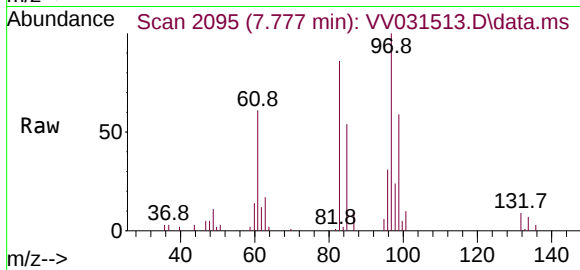




#45
1,1,2-Trichloroethane
Concen: 11.672 ug/L
RT: 7.777 min Scan# 2094
Delta R.T. 0.003 min
Lab File: VV031513.D
Acq: 14 Jun 2023 13:55

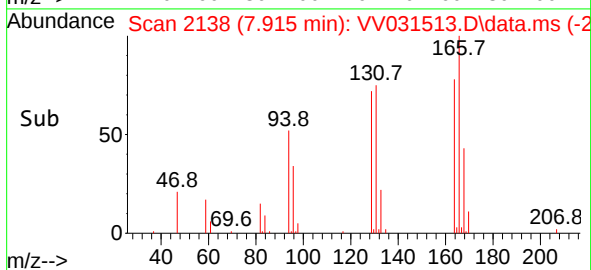
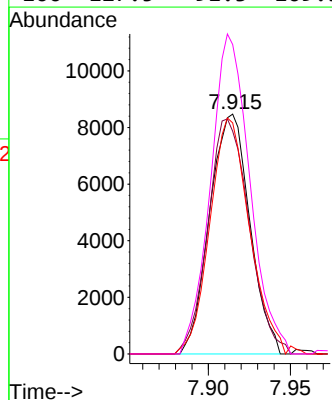
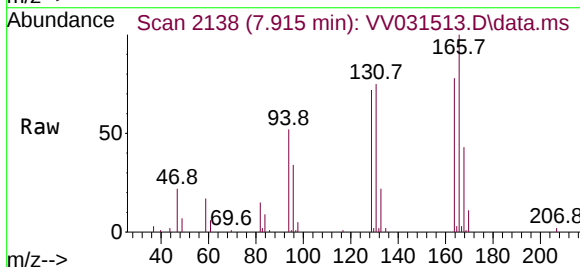
Instrument :
MSVOA_V
ClientSampleId :
VSTD010234

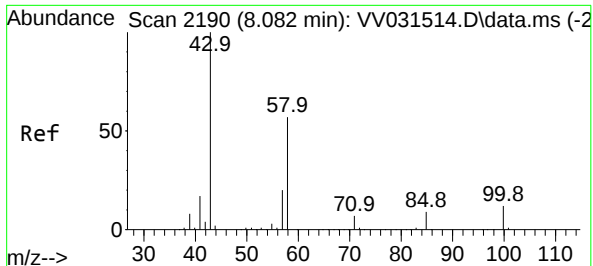
Tgt Ion:	97	Resp:	19928
Ion	Ratio	Lower	Upper
97	100		
99	64.3	43.7	81.1
83	86.0	60.9	113.1
85	53.7	39.2	72.8



#46
Tetrachloroethene
Concen: 11.004 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. 0.003 min
Lab File: VV031513.D
Acq: 14 Jun 2023 13:55

Tgt Ion:	164	Resp:	14394
Ion	Ratio	Lower	Upper
164	100		
129	91.4	68.4	127.0
131	92.6	67.6	125.6
166	127.5	91.3	169.5



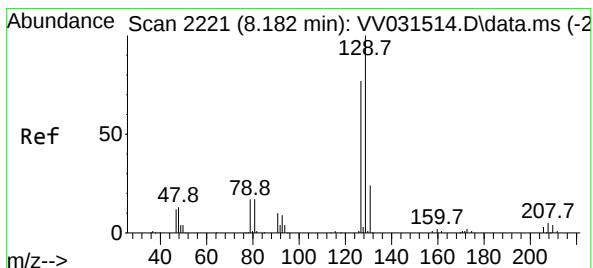
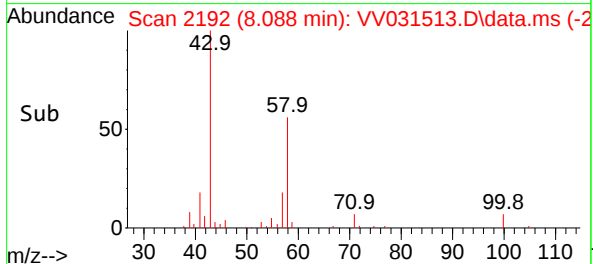
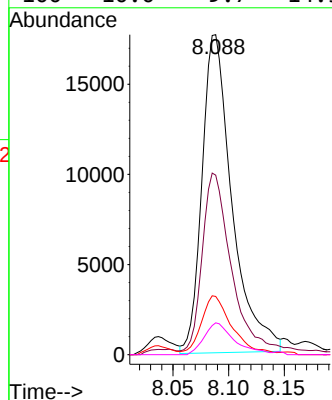
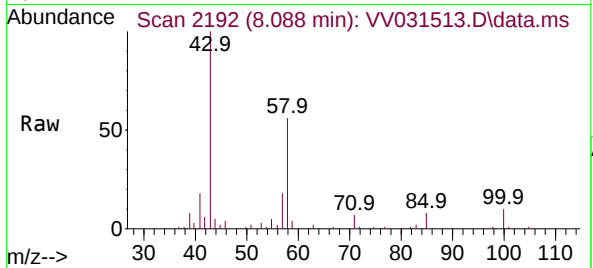


#48
2-Hexanone
Concen: 17.166 ug/L
RT: 8.088 min Scan# 2190
Delta R.T. 0.006 min
Lab File: VV031513.D
Acq: 14 Jun 2023 13:55

Instrument :
MSVOA_V
ClientSampleId :
VSTD010234

Tgt Ion: 43 Resp: 33222

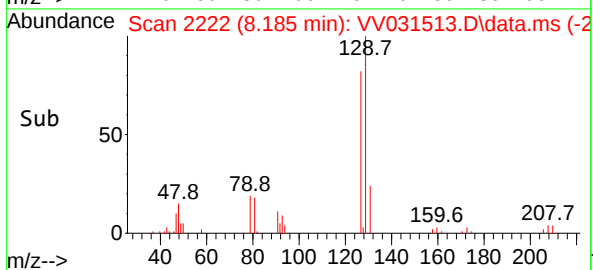
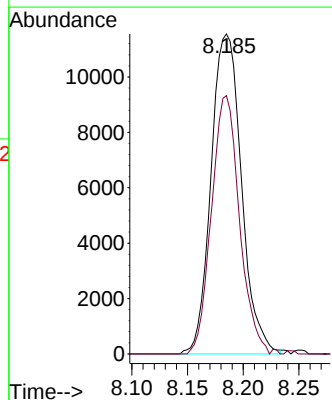
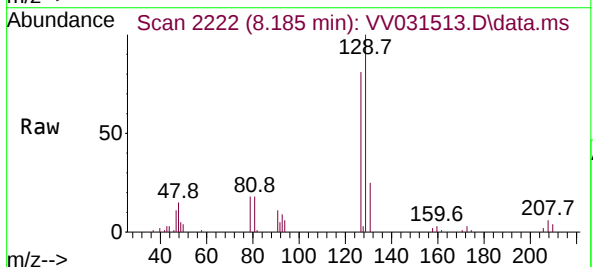
Ion	Ratio	Lower	Upper
43	100		
58	54.9	46.7	70.1
57	18.9	15.5	23.3
100	10.0	9.7	14.5

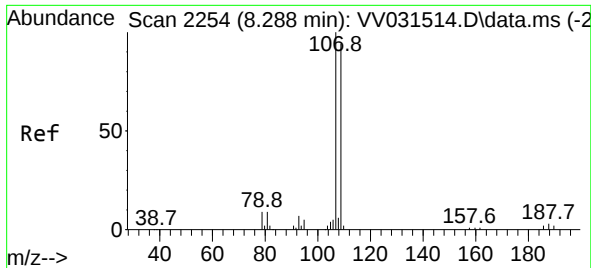


#49
Dibromochloromethane
Concen: 11.419 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. 0.003 min
Lab File: VV031513.D
Acq: 14 Jun 2023 13:55

Tgt Ion: 129 Resp: 21950

Ion	Ratio	Lower	Upper
129	100		
127	84.0	55.8	103.6

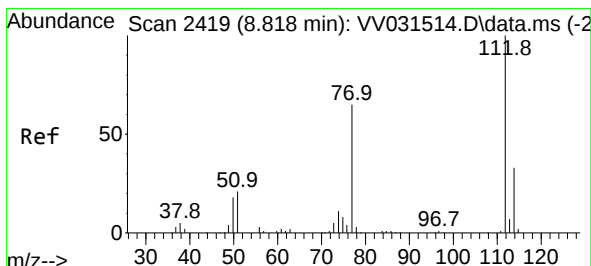
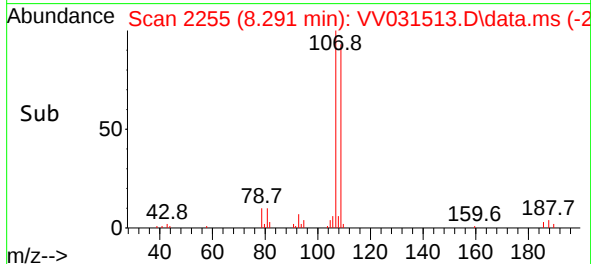
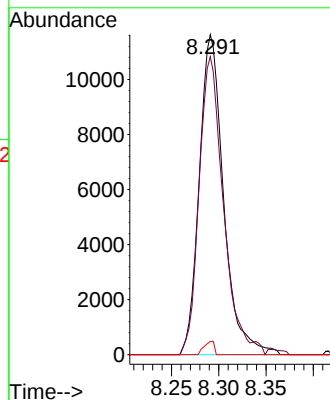
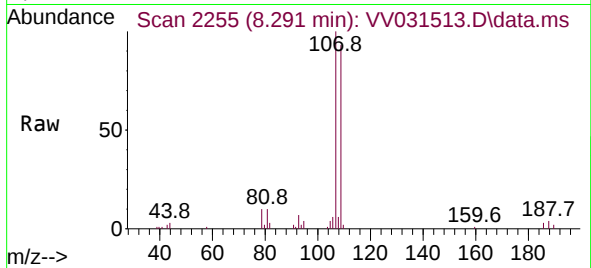




#50
1,2-Dibromoethane
Concen: 12.005 ug/L
RT: 8.291 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV031513.D
Acq: 14 Jun 2023 13:55

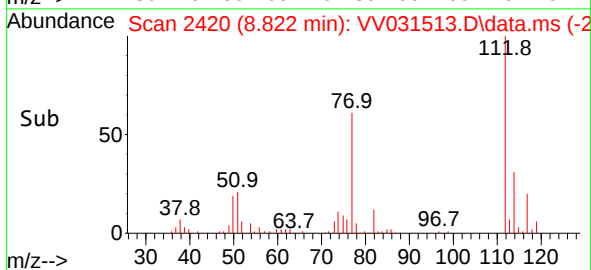
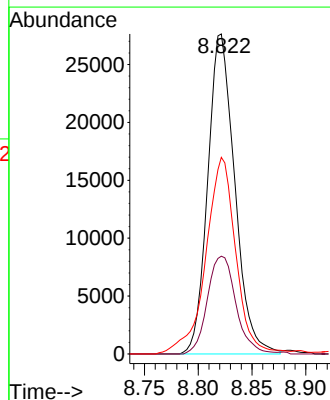
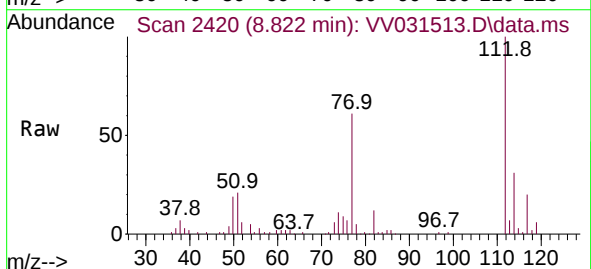
Instrument :
MSVOA_V
ClientSampleId :
VSTD010234

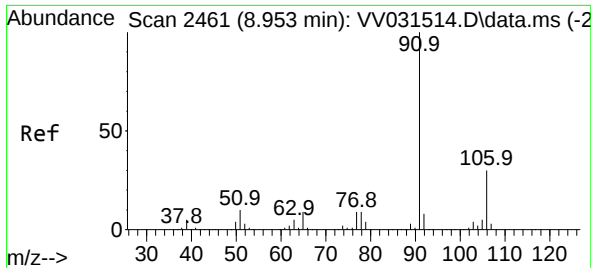
Tgt Ion:107 Resp: 20832
Ion Ratio Lower Upper
107 100
109 95.1 65.7 122.1
188 4.1 2.6 4.0#



#51
Chlorobenzene
Concen: 11.125 ug/L
RT: 8.822 min Scan# 2420
Delta R.T. 0.003 min
Lab File: VV031513.D
Acq: 14 Jun 2023 13:55

Tgt Ion:112 Resp: 48326
Ion Ratio Lower Upper
112 100
114 30.6 22.9 42.5
77 61.4 52.5 78.7

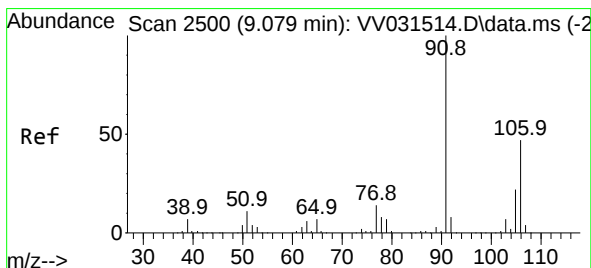
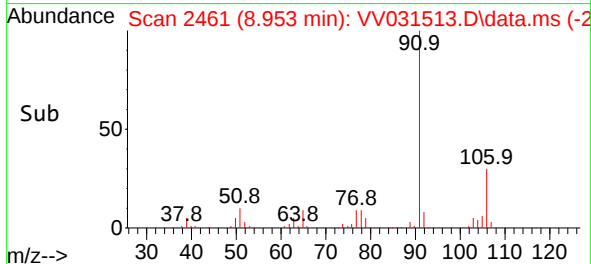
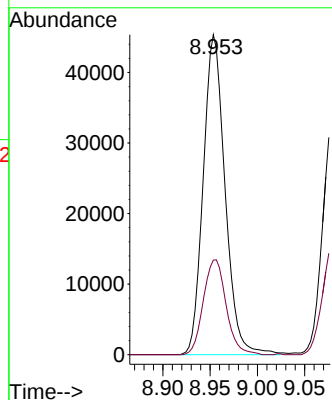
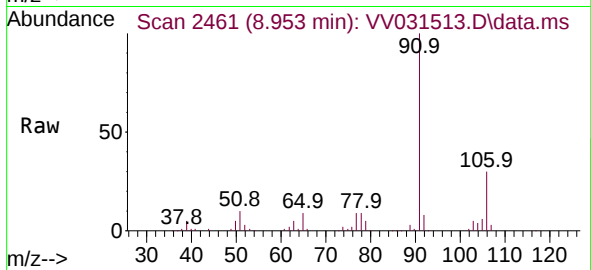




#52
Ethylbenzene
Concen: 10.261 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.000 min
Lab File: VV031513.D
Acq: 14 Jun 2023 13:55

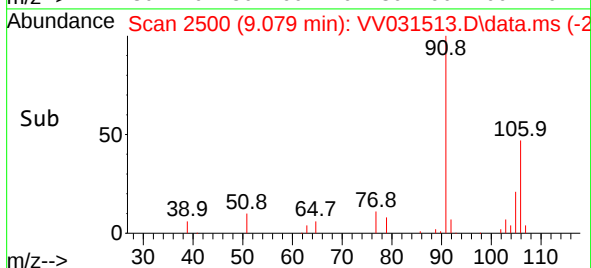
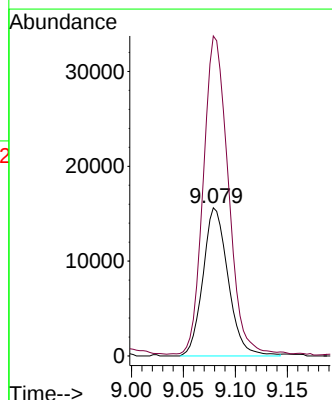
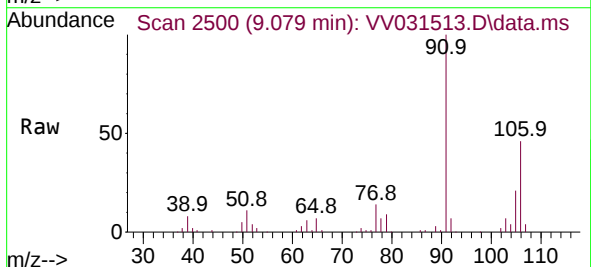
Instrument :
MSVOA_V
ClientSampleId :
VSTD010234

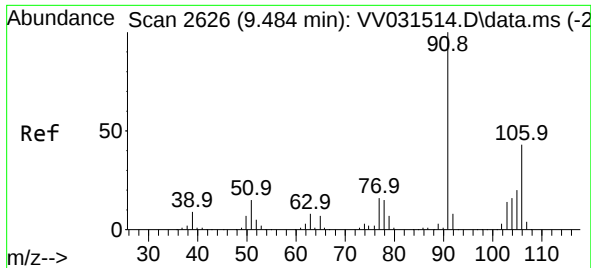
Tgt Ion: 91 Resp: 72935
Ion Ratio Lower Upper
91 100
106 29.6 20.8 38.6



#53
m,p-Xylene
Concen: 9.663 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. 0.000 min
Lab File: VV031513.D
Acq: 14 Jun 2023 13:55

Tgt Ion: 106 Resp: 26344
Ion Ratio Lower Upper
106 100
91 216.0 149.0 276.6

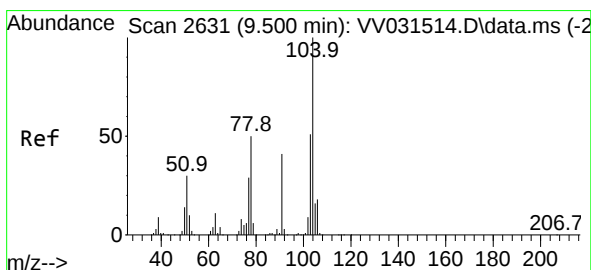
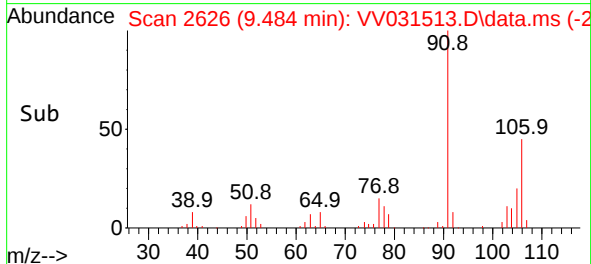
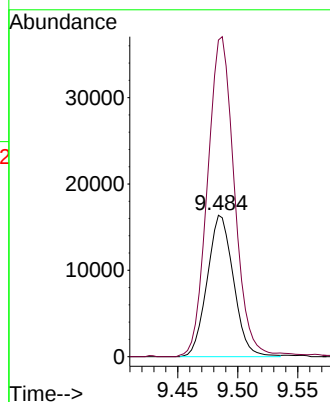
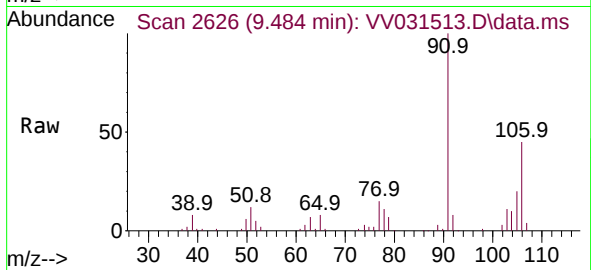




#54
o-Xylene
Concen: 9.363 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VV031513.D
Acq: 14 Jun 2023 13:55

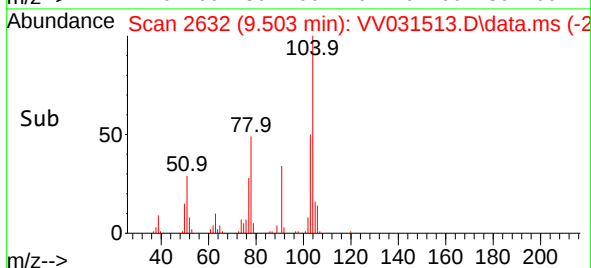
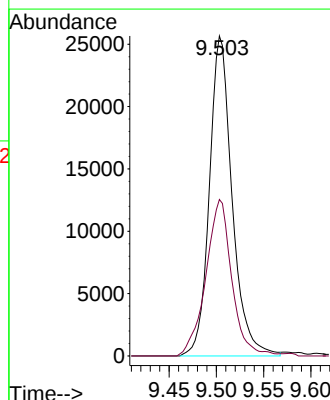
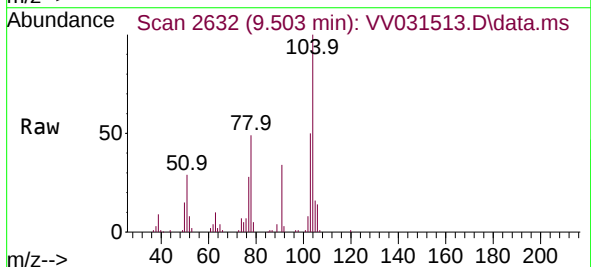
Instrument :
MSVOA_V
ClientSampleId :
VSTD010234

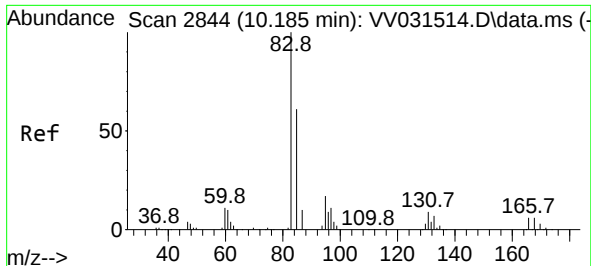
Tgt Ion:106 Resp: 24962
Ion Ratio Lower Upper
106 100
91 223.9 161.3 299.7



#55
Styrene
Concen: 9.068 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.003 min
Lab File: VV031513.D
Acq: 14 Jun 2023 13:55

Tgt Ion:104 Resp: 42947
Ion Ratio Lower Upper
104 100
78 48.9 35.1 65.3





#57

1,1,2,2-Tetrachloroethane

Concen: 11.483 ug/L

RT: 10.185 min Scan# 2844

Delta R.T. 0.000 min

Lab File: VV031513.D

Acq: 14 Jun 2023 13:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD010234

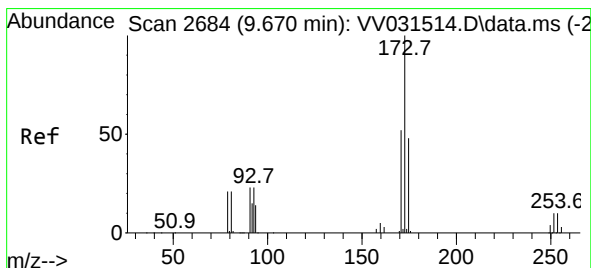
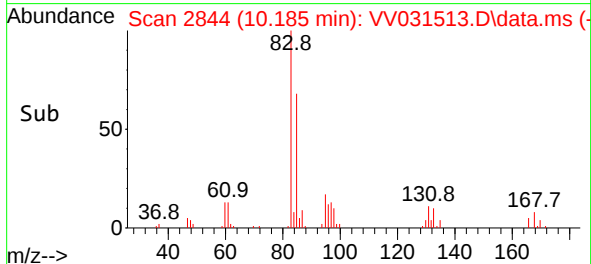
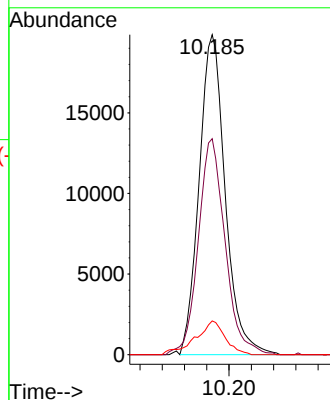
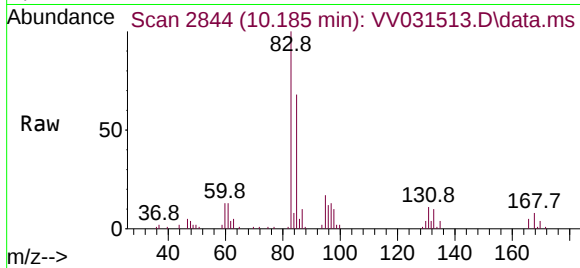
Tgt Ion: 83 Resp: 32303

Ion Ratio Lower Upper

83 100

85 67.5 43.1 80.1

131 14.5 10.6 16.0



#59

Bromoform

Concen: 9.672 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. 0.000 min

Lab File: VV031513.D

Acq: 14 Jun 2023 13:55

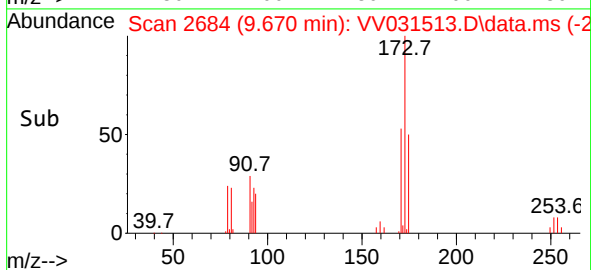
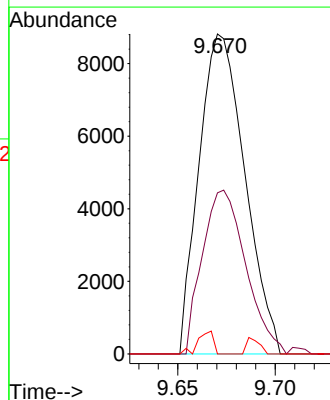
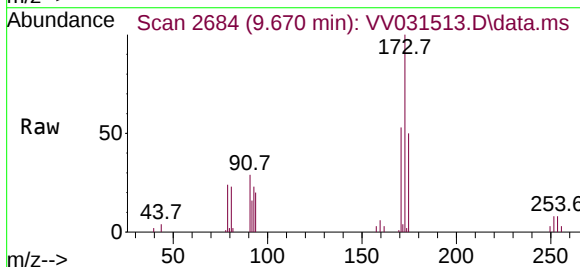
Tgt Ion: 173 Resp: 14406

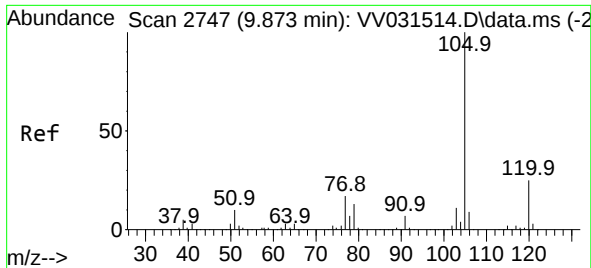
Ion Ratio Lower Upper

173 100

175 48.6 37.7 56.5

254 2.2 0.1 0.1#

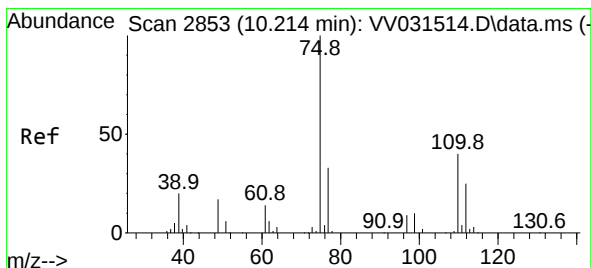
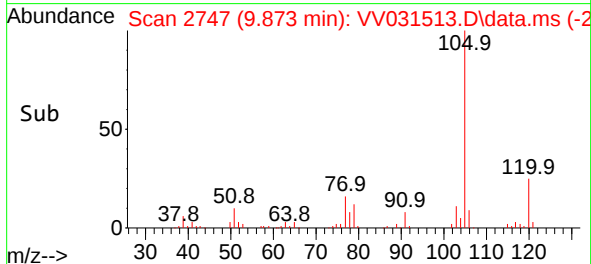
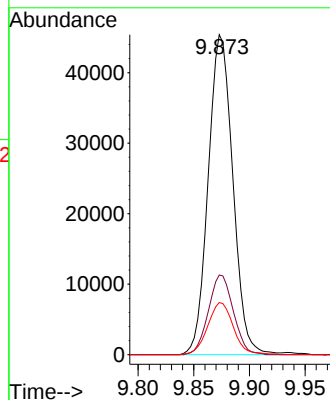
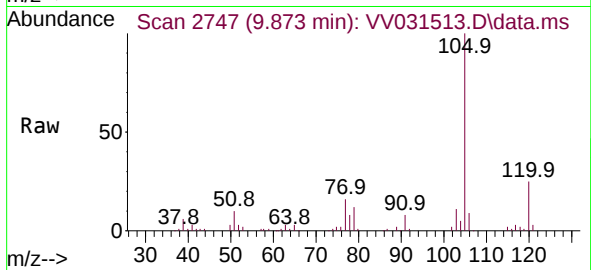




#60
Isopropylbenzene
Concen: 9.968 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031513.D
Acq: 14 Jun 2023 13:55

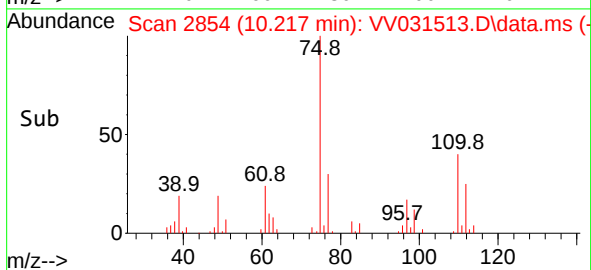
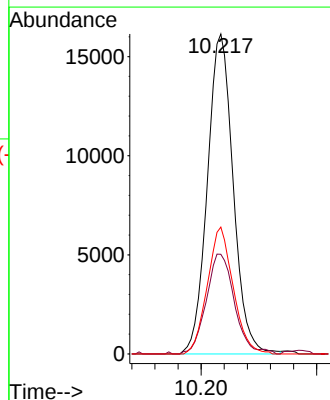
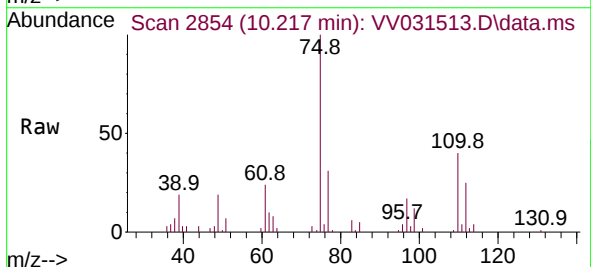
Instrument :
MSVOA_V
ClientSampleId :
VSTD010234

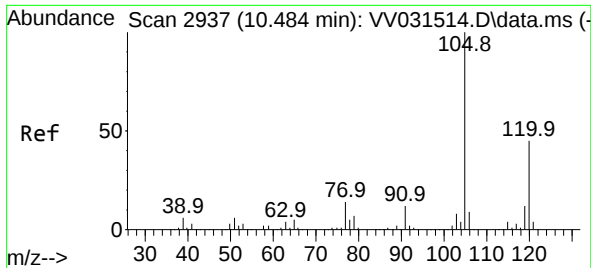
Tgt Ion:105 Resp: 69847
Ion Ratio Lower Upper
105 100
120 25.2 20.2 30.2
77 17.0 13.5 20.3



#61
1,2,3-Trichloropropane
Concen: 12.389 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.003 min
Lab File: VV031513.D
Acq: 14 Jun 2023 13:55

Tgt Ion: 75 Resp: 25028
Ion Ratio Lower Upper
75 100
77 33.5 25.4 38.0
110 39.7 31.3 46.9

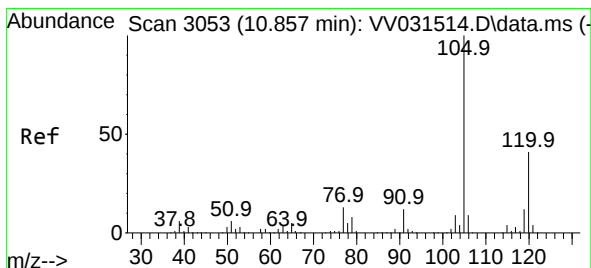
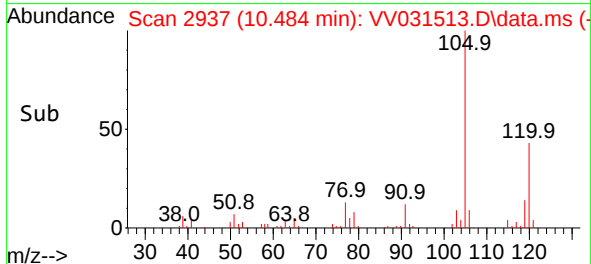
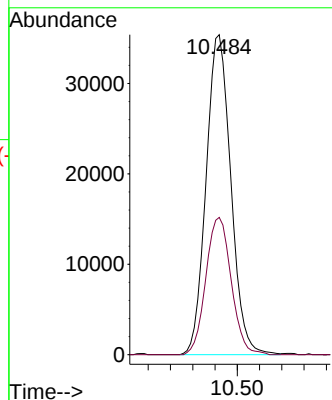
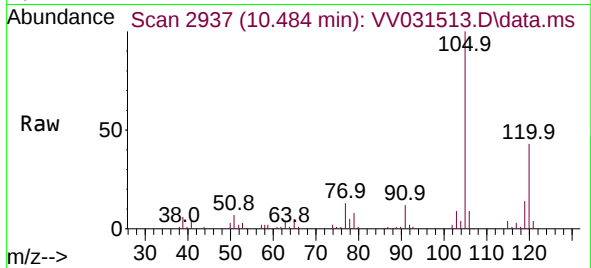




#62
 1,3,5-Trimethylbenzene
 Concen: 9.439 ug/L
 RT: 10.484 min Scan# 2937
 Delta R.T. 0.000 min
 Lab File: VV031513.D
 Acq: 14 Jun 2023 13:55

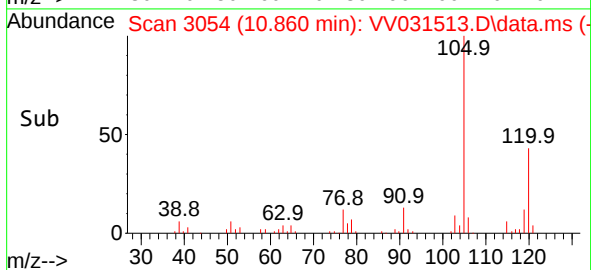
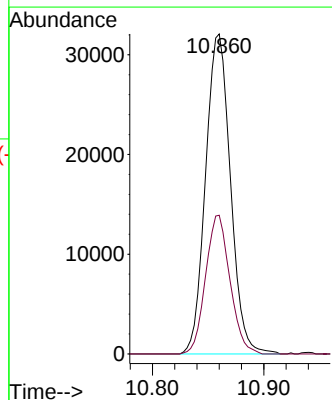
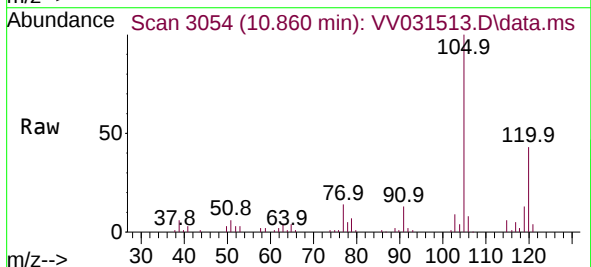
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010234

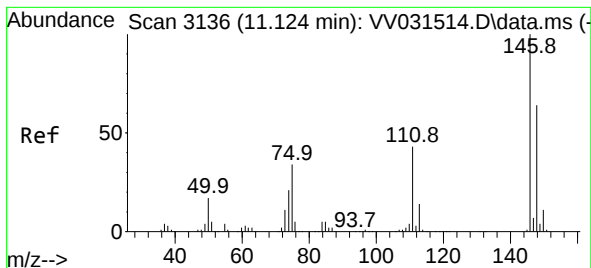
Tgt Ion:105 Resp: 54653
 Ion Ratio Lower Upper
 105 100
 120 43.9 36.2 54.2



#63
 1,2,4-Trimethylbenzene
 Concen: 8.924 ug/L
 RT: 10.860 min Scan# 3054
 Delta R.T. 0.003 min
 Lab File: VV031513.D
 Acq: 14 Jun 2023 13:55

Tgt Ion:105 Resp: 49927
 Ion Ratio Lower Upper
 105 100
 120 42.3 33.4 50.2





#64

1,3-Dichlorobenzene

Concen: 10.695 ug/L

RT: 11.124 min Scan# 3136

Delta R.T. 0.000 min

Lab File: VV031513.D

Acq: 14 Jun 2023 13:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD010234

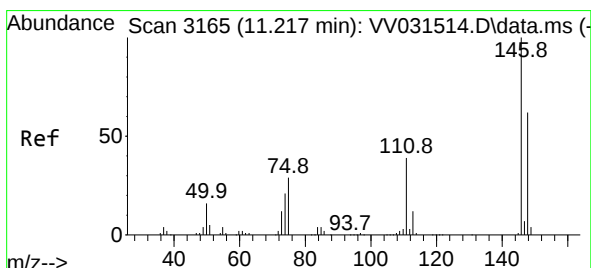
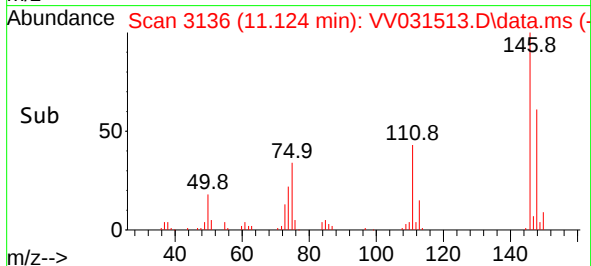
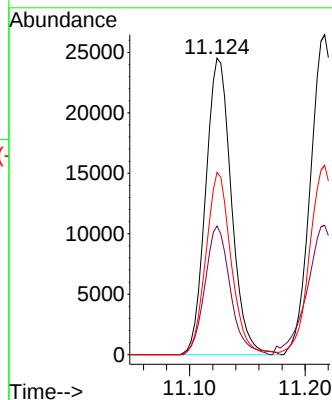
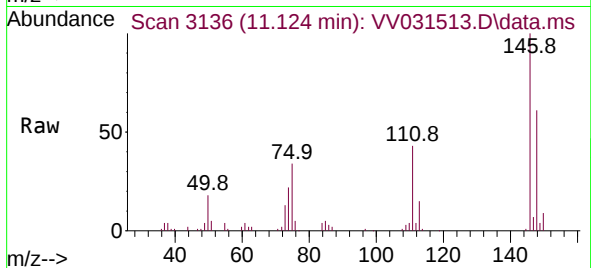
Tgt Ion:146 Resp: 37846

Ion Ratio Lower Upper

146 100

111 43.4 30.4 56.5

148 61.5 44.7 83.1



#65

1,4-Dichlorobenzene

Concen: 11.455 ug/L

RT: 11.217 min Scan# 3165

Delta R.T. 0.000 min

Lab File: VV031513.D

Acq: 14 Jun 2023 13:55

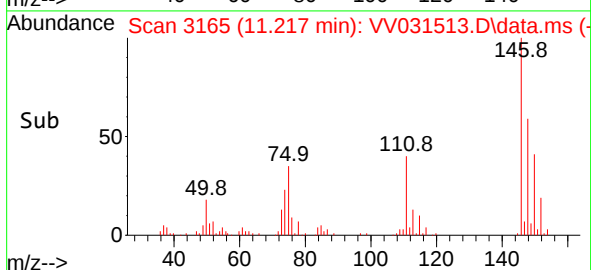
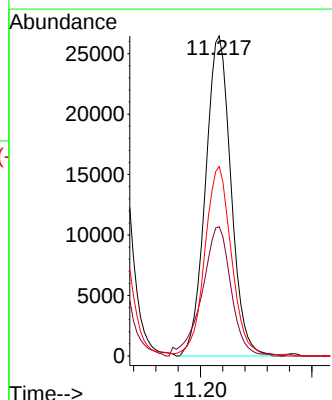
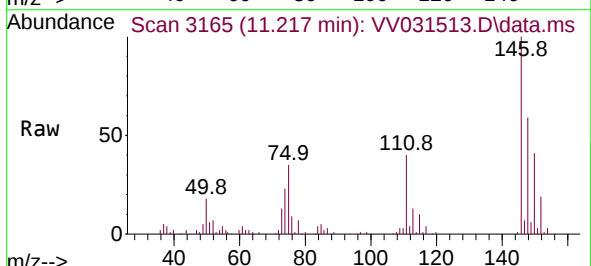
Tgt Ion:146 Resp: 42189

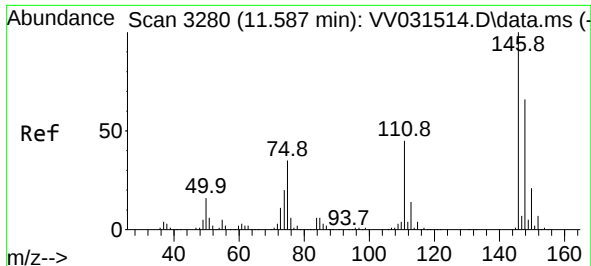
Ion Ratio Lower Upper

146 100

111 40.4 27.9 51.7

148 59.2 43.6 81.0





#67

1,2-Dichlorobenzene

Concen: 10.838 ug/L

RT: 11.587 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031513.D

Acq: 14 Jun 2023 13:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD010234

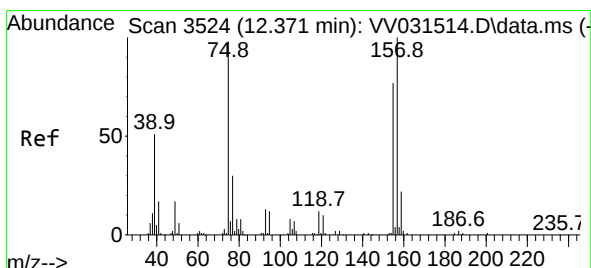
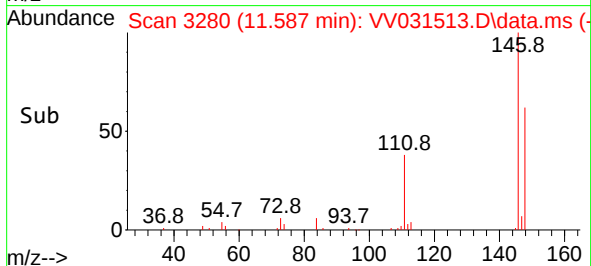
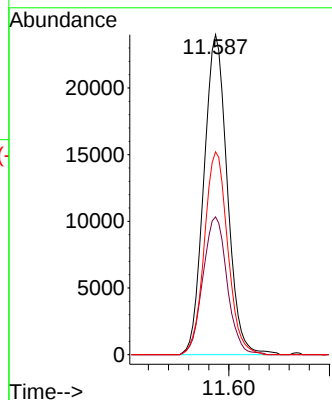
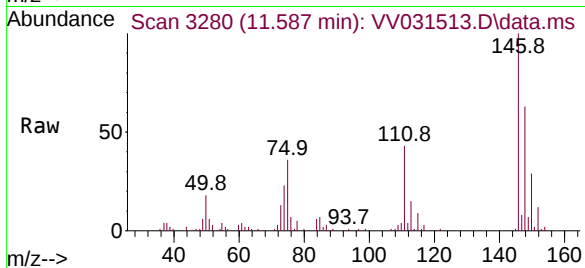
Tgt Ion:146 Resp: 38731

Ion Ratio Lower Upper

146 100

111 43.0 35.9 53.9

148 63.4 52.6 78.8



#68

1,2-Dibromo-3-chloropropane

Concen: 11.421 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. 0.000 min

Lab File: VV031513.D

Acq: 14 Jun 2023 13:55

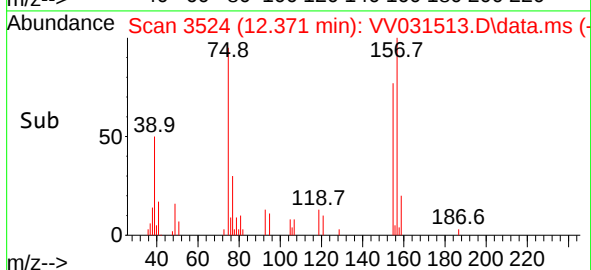
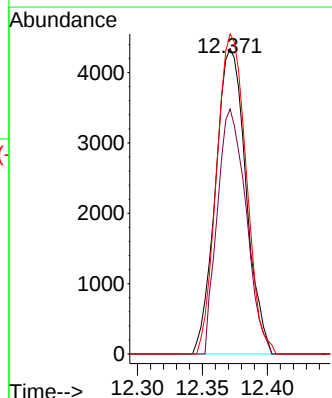
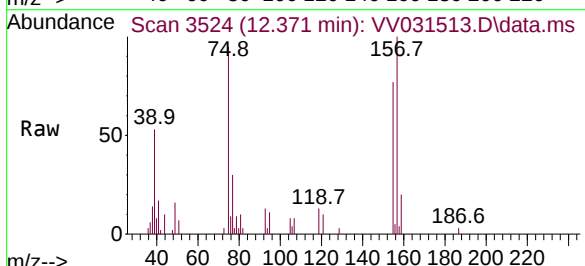
Tgt Ion: 75 Resp: 7065

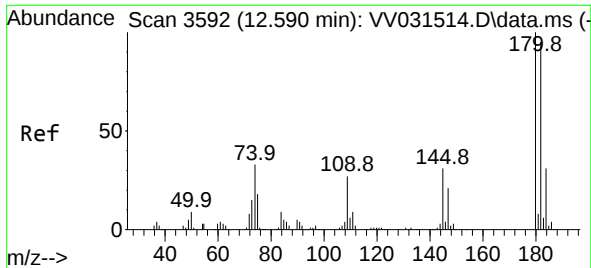
Ion Ratio Lower Upper

75 100

155 85.4 63.2 94.8

157 108.7 85.3 127.9

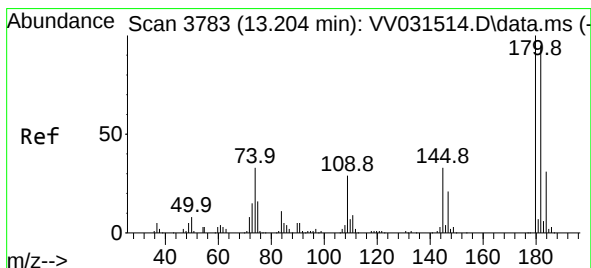
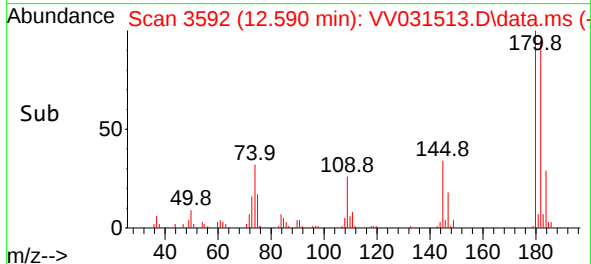
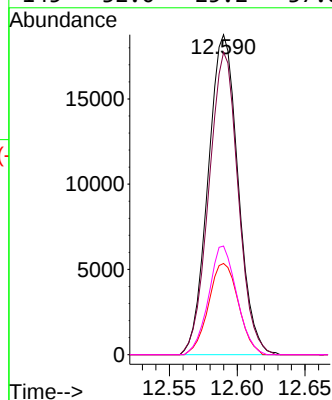
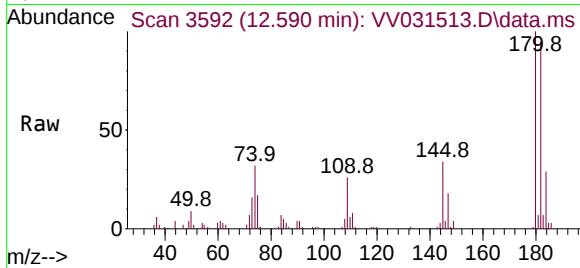




#69
 1,3,5-Trichlorobenzene
 Concen: 10.567 ug/L
 RT: 12.590 min Scan# 3592
 Delta R.T. 0.000 min
 Lab File: VV031513.D
 Acq: 14 Jun 2023 13:55

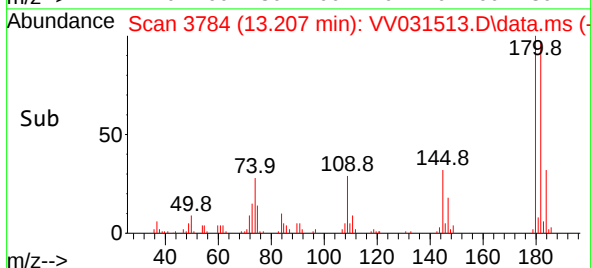
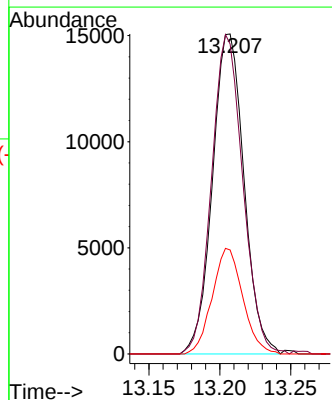
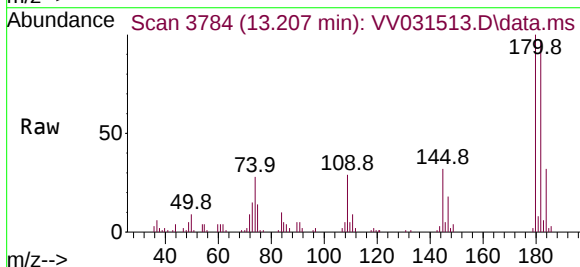
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010234

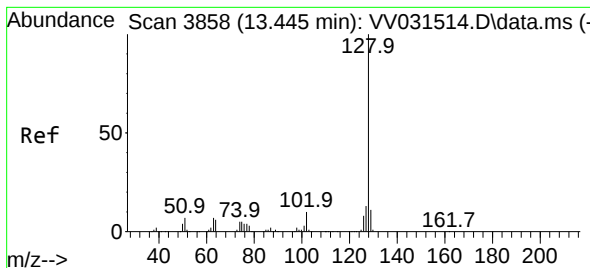
Tgt Ion:	180	Resp:	28830
Ion Ratio	Lower	Upper	
180	100		
182	92.2	76.6	115.0
184	28.4	24.7	37.1
145	32.0	25.2	37.8



#70
 1,2,4-trichlorobenzene
 Concen: 10.065 ug/L
 RT: 13.207 min Scan# 3784
 Delta R.T. 0.003 min
 Lab File: VV031513.D
 Acq: 14 Jun 2023 13:55

Tgt Ion:	180	Resp:	23347
Ion Ratio	Lower	Upper	
180	100		
182	98.8	77.7	116.5
145	32.0	26.1	39.1





#71

Naphthalene

Concen: 9.143 ug/L

RT: 13.448 min Scan# 3858

Delta R.T. 0.003 min

Lab File: VV031513.D

Acq: 14 Jun 2023 13:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD010234

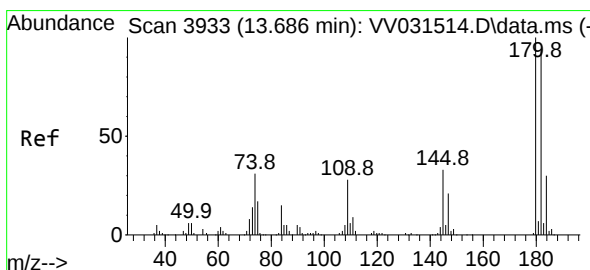
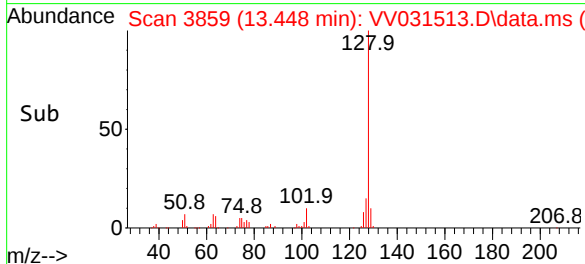
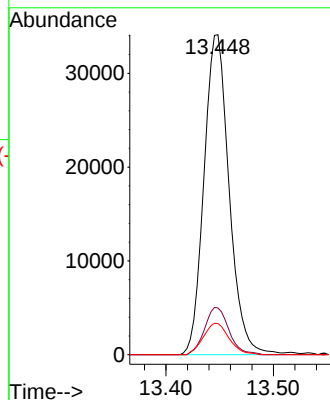
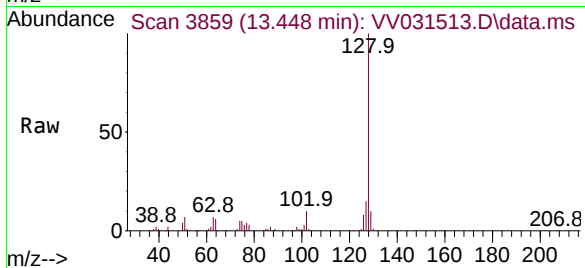
Tgt Ion:128 Resp: 55426

Ion Ratio Lower Upper

128 100

127 14.3 10.6 16.0

129 10.0 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 10.735 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. 0.000 min

Lab File: VV031513.D

Acq: 14 Jun 2023 13:55

Tgt Ion:180 Resp: 25247

Ion Ratio Lower Upper

180 100

182 93.1 74.0 111.0

145 32.1 26.2 39.2

