

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW051623\
 Data File : VW031041.D
 Acq On : 16 May 2023 09:53
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005350

Quant Time: May 17 01:32:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR042823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue May 16 00:40:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	119381	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	114934	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	64383	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	36060	3.666	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.400%
7) Chloroethane-d5	1.536	69	34793	4.336	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.800%
11) 1,1-Dichloroethene-d2	2.063	65	20231	3.887	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.800%
20) 2-Butanone-d5	3.847	46	74525	42.728	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.460%
24) Chloroform-d	4.259	84	92058	4.710	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.200%
26) 1,2-Dichloroethane-d4	4.953	65	46640	4.693	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.800%
32) Benzene-d6	4.966	84	152002	4.512	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.200%
36) 1,2-Dichloropropane-d6	5.995	67	42733	4.362	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.200%
41) Toluene-d8	7.249	98	139817	4.358	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.200%
43) trans-1,3-Dichloroprop...	7.561	79	14364	3.912	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.200%
46) 2-Hexanone-d5	8.037	63	58983	45.845	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.680%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	35625	5.017	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.400%
66) 1,2-Dichlorobenzene-d4	11.567	152	51482	4.290	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	39355	4.173	ug/L	100
3) Chloromethane	1.214	50	44084	3.983	ug/L	99
5) Vinyl chloride	1.285	62	42595	4.598	ug/L	98
6) Bromomethane	1.490	94	18728	4.245	ug/L	95
8) Chloroethane	1.552	64	24758	4.391	ug/L	97
9) Trichlorofluoromethane	1.716	101	79069	4.627	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	40904	4.689	ug/L	99
12) 1,1-Dichloroethene	2.072	96	37948	4.723	ug/L	83
13) Acetone	2.166	43	16600	11.142	ug/L	86
14) Carbon disulfide	2.243	76	79068	3.761	ug/L	99
15) Methyl Acetate	2.397	43	14098	4.651	ug/L #	92
16) Methylene chloride	2.452	84	64716	7.121	ug/L	94
17) Methyl tert-butyl Ether	2.712	73	75830	4.958	ug/L	96
18) trans-1,2-Dichloroethene	2.696	96	32800	4.470	ug/L	98
19) 1,1-Dichloroethane	3.117	63	70797	4.996	ug/L	99
21) 2-Butanone	3.928	43	43978	26.840	ug/L #	73
22) cis-1,2-Dichloroethene	3.825	96	36717	4.742	ug/L	99
23) Bromochloromethane	4.159	128	18904	5.186	ug/L	95
25) Chloroform	4.285	83	80661	5.305	ug/L	95

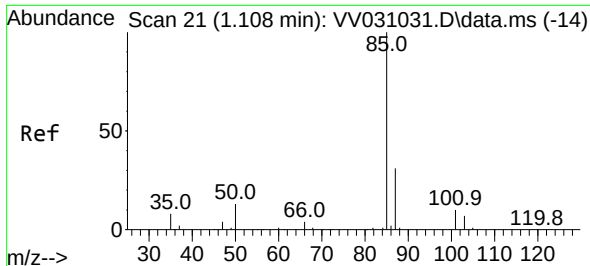
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW051623\
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR042823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue May 16 00:40:05 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	48645	5.098	ug/L	98
29) 1,1,1-Trichloroethane	4.516	97	72133	4.995	ug/L	100
30) Cyclohexane	4.587	56	44537	4.083	ug/L	99
31) Carbon tetrachloride	4.741	117	64877	5.001	ug/L	99
33) Benzene	5.018	78	142858	4.941	ug/L	100
34) Trichloroethene	5.841	95	37338	4.845	ug/L	97
35) Methylcyclohexane	6.056	83	48022	4.021	ug/L	99
37) 1,2-Dichloropropane	6.101	63	37130	5.415	ug/L #	97
38) Bromodichloromethane	6.439	83	52976	5.278	ug/L	96
39) cis-1,3-Dichloropropene	6.960	75	46719	4.549	ug/L	98
40) 4-Methyl-2-pentanone	7.169	43	186488	52.487	ug/L	99
42) Toluene	7.320	91	160083	5.143	ug/L	99
44) trans-1,3-Dichloropropene	7.590	75	41737	4.769	ug/L	99
45) 1,1,2-Trichloroethane	7.776	97	26861	5.279	ug/L	96
47) Tetrachloroethene	7.911	164	33973	4.621	ug/L	97
48) 2-Hexanone	8.088	43	138823	50.942	ug/L	95
49) Dibromochloromethane	8.185	129	34334	5.364	ug/L	97
50) 1,2-Dibromoethane	8.291	107	24620	5.425	ug/L	99
51) Chlorobenzene	8.821	112	103592	4.909	ug/L	98
52) Ethylbenzene	8.953	91	162174	4.779	ug/L	97
53) m,p-Xylene	9.079	106	65018	4.801	ug/L	98
54) o-Xylene	9.484	106	62855	4.877	ug/L	99
55) Styrene	9.503	104	108726	5.000	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.185	83	31105	5.469	ug/L	97
59) Bromoform	9.670	173	21613	5.703	ug/L	98
60) Isopropylbenzene	9.873	105	167882	4.836	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	21300	5.266	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	132086	4.674	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	128316	4.482	ug/L	99
64) 1,3-Dichlorobenzene	11.124	146	87332	4.899	ug/L	98
65) 1,4-Dichlorobenzene	11.217	146	86608	4.815	ug/L	95
67) 1,2-Dichlorobenzene	11.587	146	80727	5.036	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.371	75	4630	4.510	ug/L #	77
69) 1,3,5-Trichlorobenzene	12.590	180	66449	4.707	ug/L	98
70) 1,2,4-trichlorobenzene	13.207	180	50140	4.622	ug/L	99
71) Naphthalene	13.448	128	61967	3.984	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	42409	4.619	ug/L	98

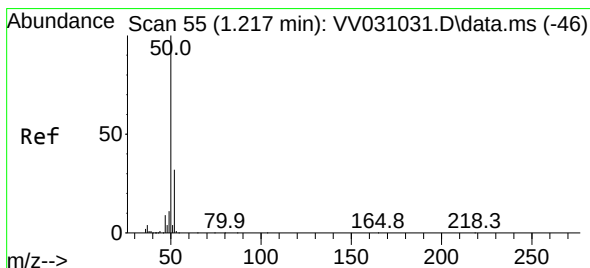
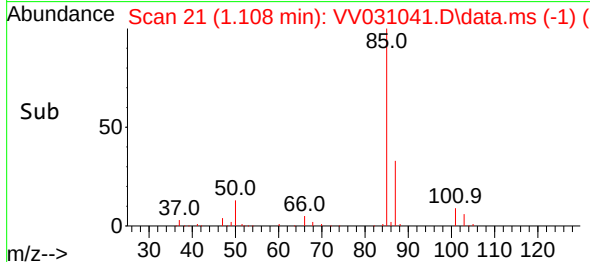
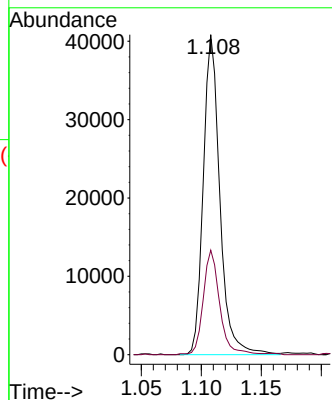
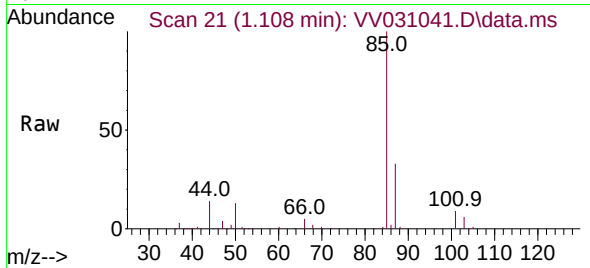
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.173 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV031041.D
 Acq: 16 May 2023 09:53

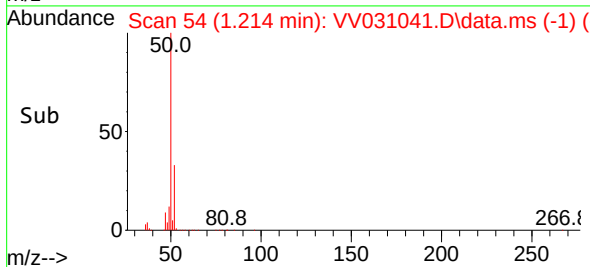
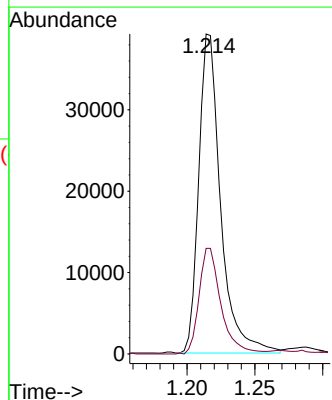
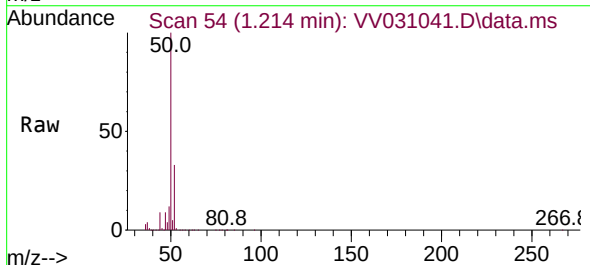
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005350

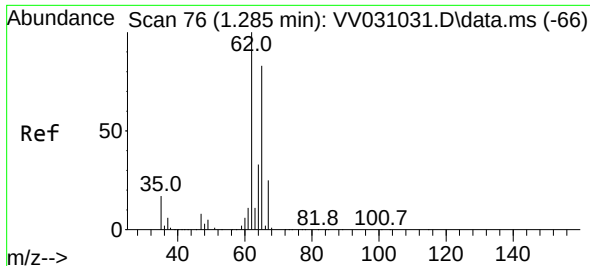
Tgt Ion: 85 Resp: 39355
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.8 38.6



#3
 Chloromethane
 Concen: 3.983 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.003 min
 Lab File: VV031041.D
 Acq: 16 May 2023 09:53

Tgt Ion: 50 Resp: 44084
 Ion Ratio Lower Upper
 50 100
 52 33.0 22.8 42.4

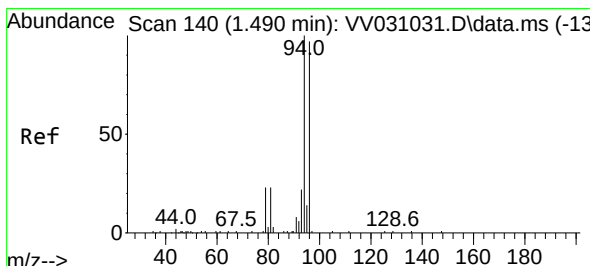
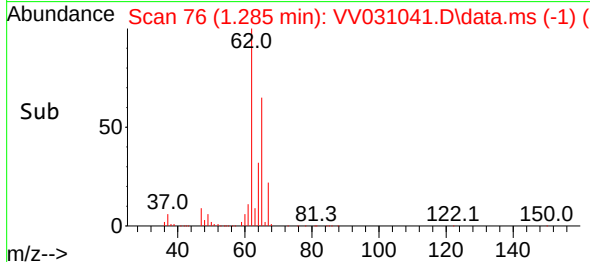
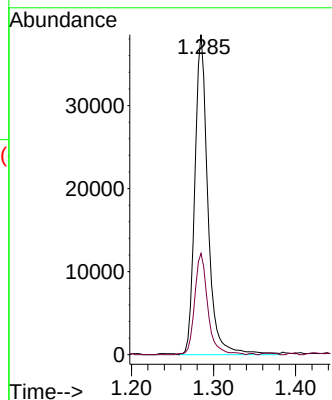
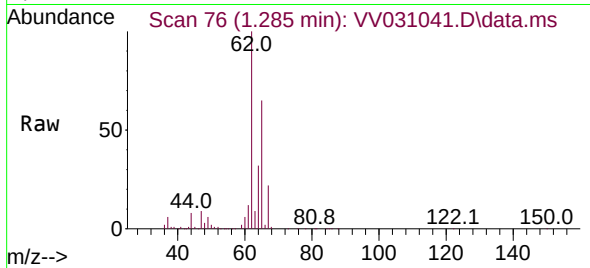




#5
 Vinyl chloride
 Concen: 4.598 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV031041.D
 Acq: 16 May 2023 09:53

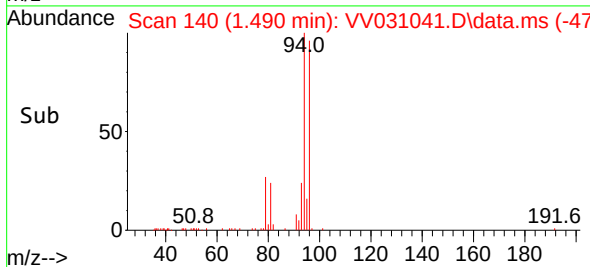
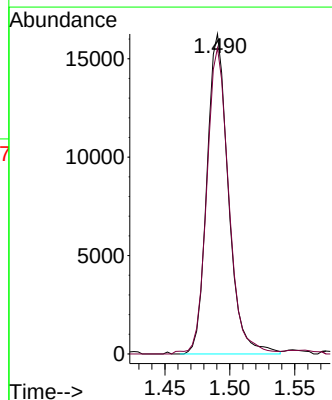
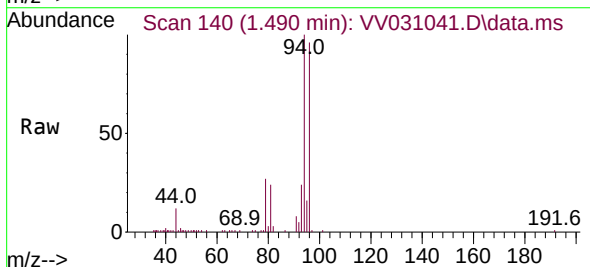
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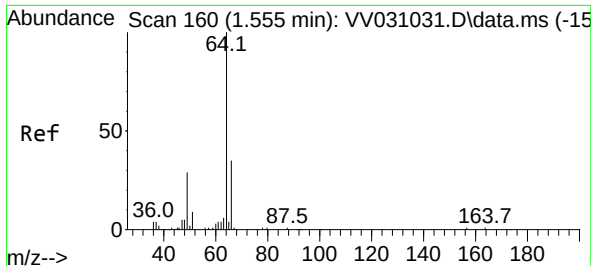
Tgt Ion: 62 Resp: 42595
 Ion Ratio Lower Upper
 62 100
 64 31.7 22.8 42.4



#6
 Bromomethane
 Concen: 4.245 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. 0.000 min
 Lab File: VV031041.D
 Acq: 16 May 2023 09:53

Tgt Ion: 94 Resp: 18728
 Ion Ratio Lower Upper
 94 100
 96 95.6 63.4 117.8

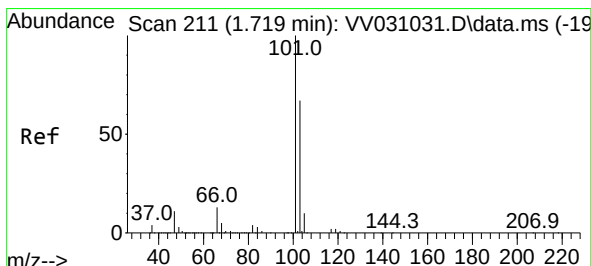
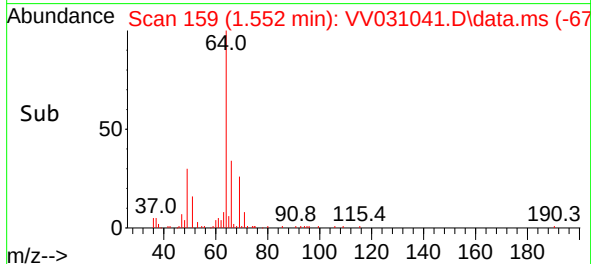
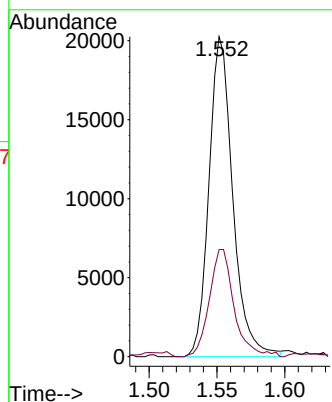
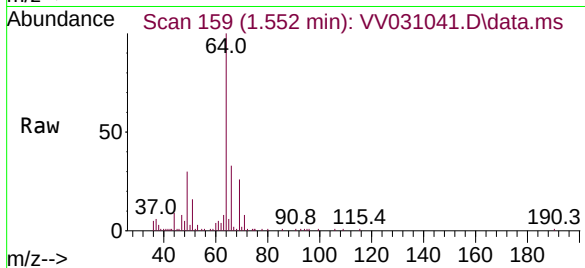




#8
Chloroethane
Concen: 4.391 ug/L
RT: 1.552 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV031041.D
Acq: 16 May 2023 09:53

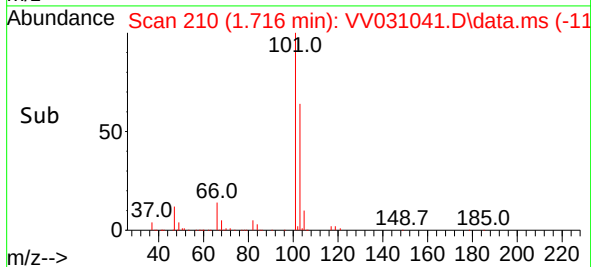
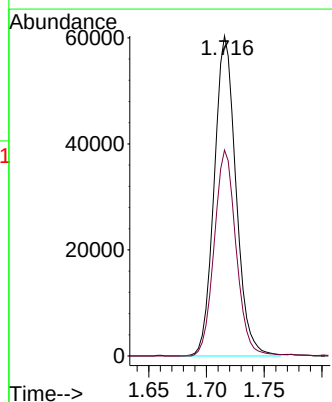
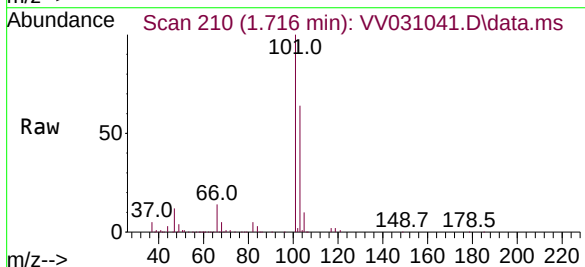
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ClientSampleId :
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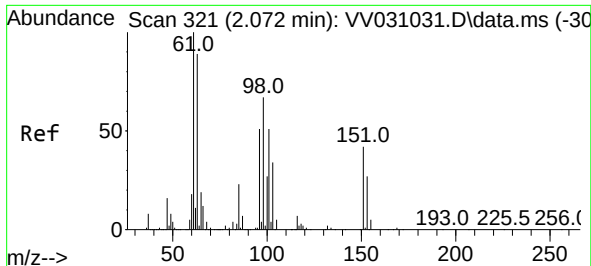
Tgt Ion: 64 Resp: 24758
Ion Ratio Lower Upper
64 100
66 33.4 22.1 41.1



#9
Trichlorofluoromethane
Concen: 4.627 ug/L
RT: 1.716 min Scan# 210
Delta R.T. -0.003 min
Lab File: VV031041.D
Acq: 16 May 2023 09:53

Tgt Ion:101 Resp: 79069
Ion Ratio Lower Upper
101 100
103 64.8 51.8 77.8

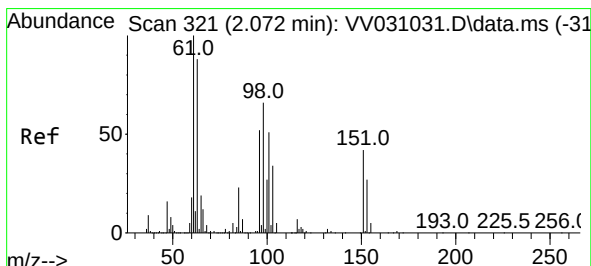
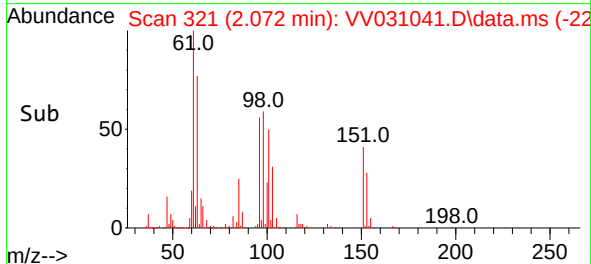
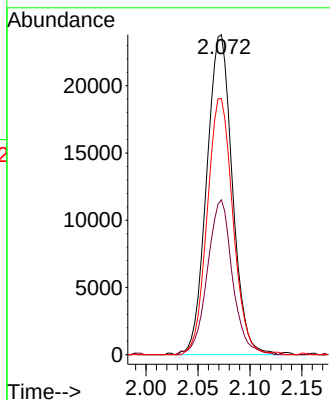
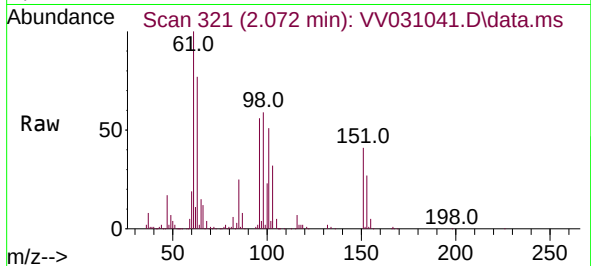




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.689 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VV031041.D
 Acq: 16 May 2023 09:53

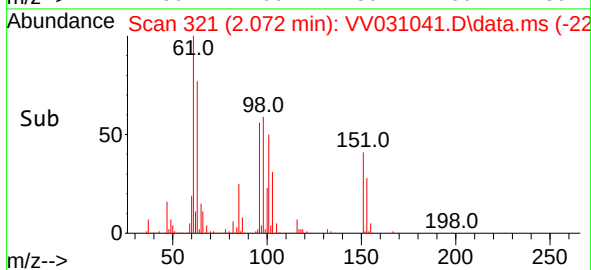
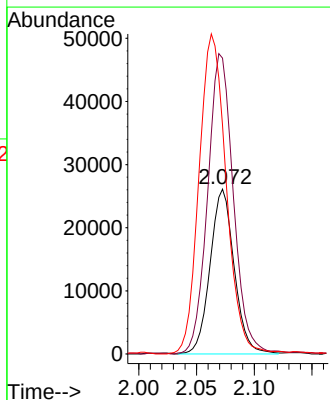
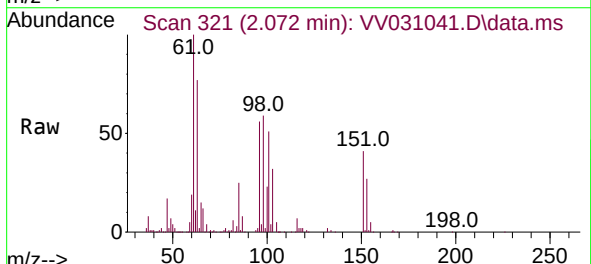
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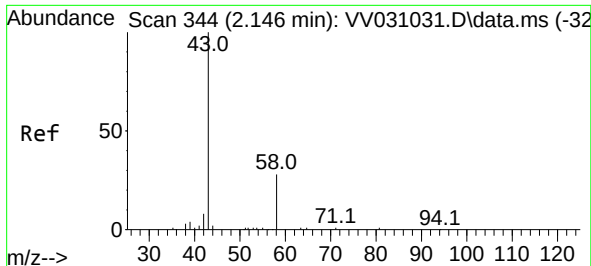
Tgt Ion:	101	Resp:	40904
Ion	Ratio	Lower	Upper
101	100		
85	47.2	38.7	58.1
151	80.5	65.1	97.7



#12
 1,1-Dichloroethene
 Concen: 4.723 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VV031041.D
 Acq: 16 May 2023 09:53

Tgt Ion:	96	Resp:	37948
Ion	Ratio	Lower	Upper
96	100		
61	179.4	135.6	251.8
63	138.7	121.1	224.9





#13

Acetone

Concen: 11.142 ug/L

RT: 2.166 min Scan# 3

Delta R.T. 0.019 min

Lab File: VV031041.D

Acq: 16 May 2023 09:53

Instrument :

MSVOA_V

ClientSampleId :

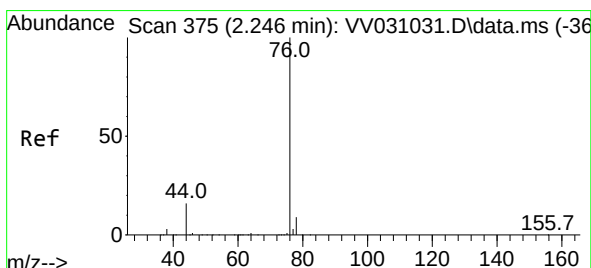
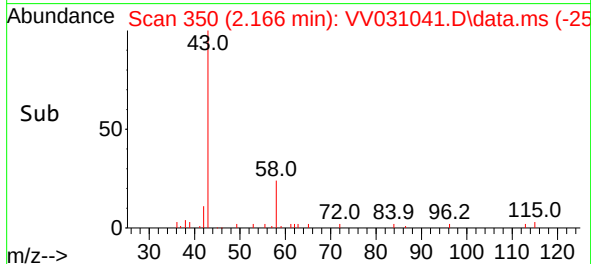
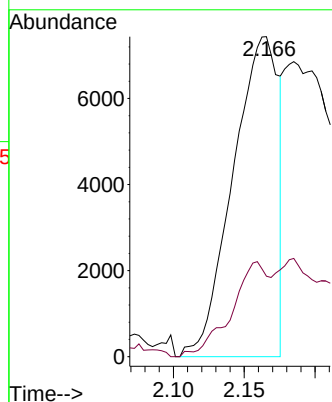
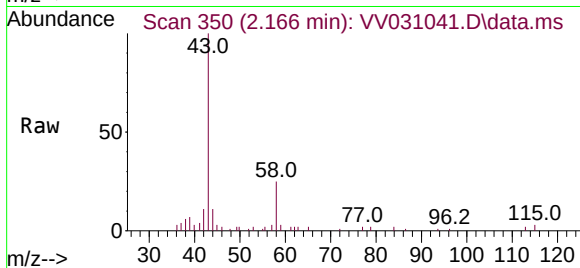
VSTD005350

Tgt Ion: 43 Resp: 16600

Ion Ratio Lower Upper

43 100

58 24.7 0.0 37.0



#14

Carbon disulfide

Concen: 3.761 ug/L

RT: 2.243 min Scan# 374

Delta R.T. -0.003 min

Lab File: VV031041.D

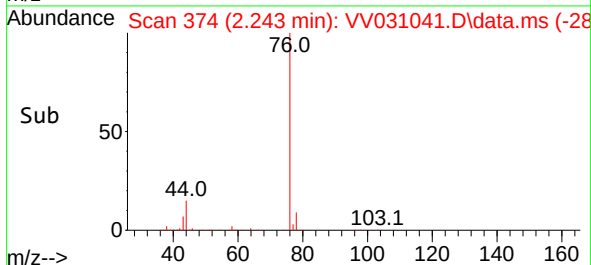
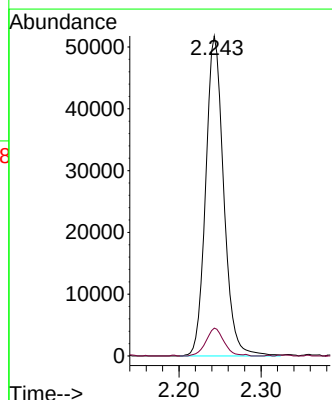
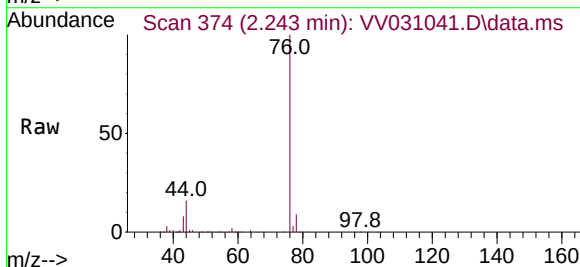
Acq: 16 May 2023 09:53

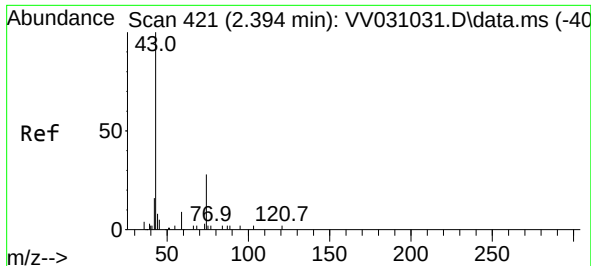
Tgt Ion: 76 Resp: 79068

Ion Ratio Lower Upper

76 100

78 8.7 6.8 10.2

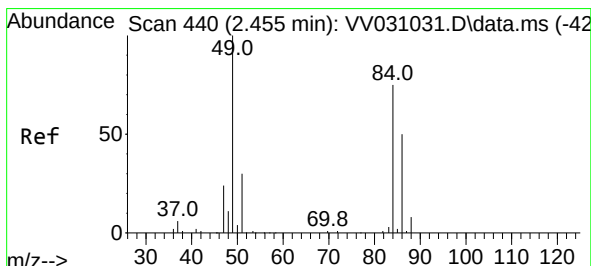
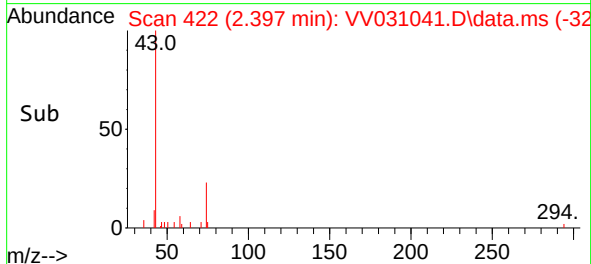
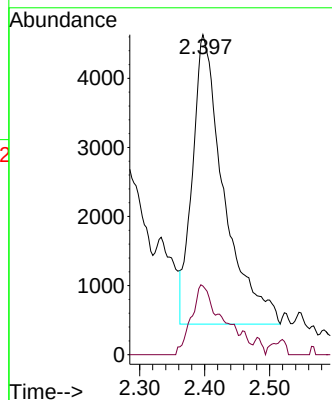
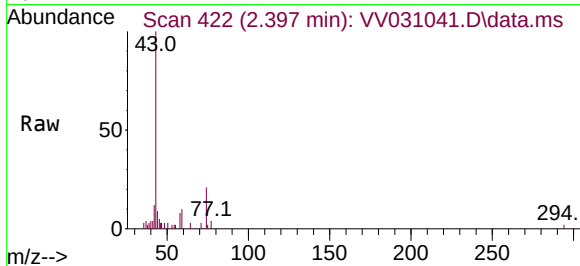




#15
Methyl Acetate
Concen: 4.651 ug/L
RT: 2.397 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV031041.D
Acq: 16 May 2023 09:53

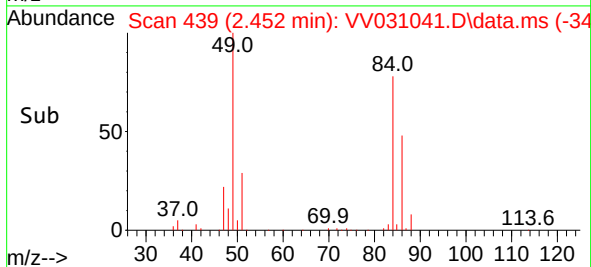
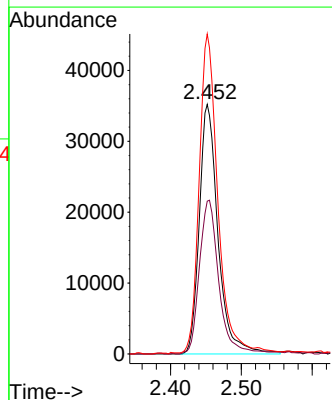
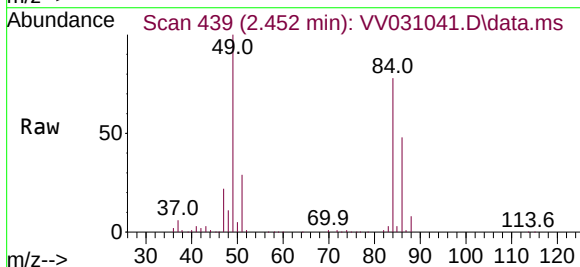
Instrument :
MSVOA_V
ClientSampleId :
VSTD005350

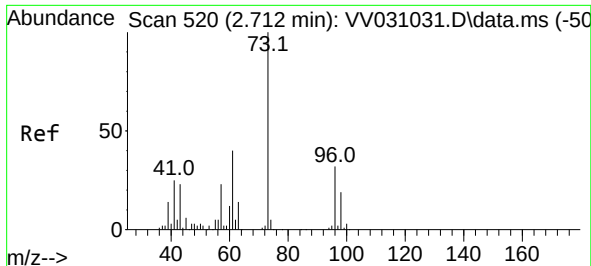
Tgt Ion: 43 Resp: 14098
Ion Ratio Lower Upper
43 100
74 22.6 15.0 22.6#



#16
Methylene chloride
Concen: 7.121 ug/L
RT: 2.452 min Scan# 439
Delta R.T. -0.003 min
Lab File: VV031041.D
Acq: 16 May 2023 09:53

Tgt Ion: 84 Resp: 64716
Ion Ratio Lower Upper
84 100
86 61.2 46.1 85.5
49 128.2 94.3 175.1

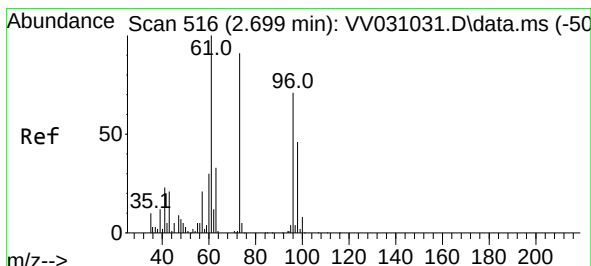
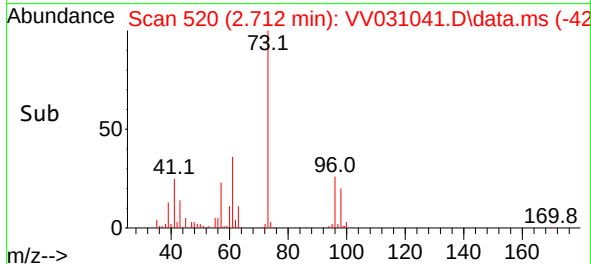
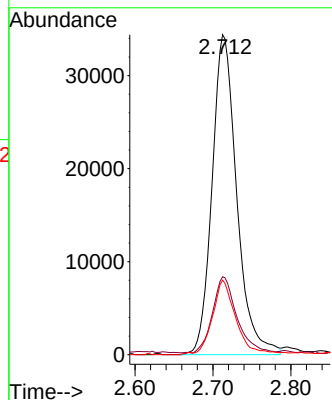
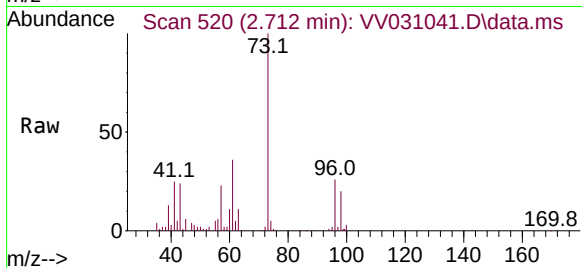




#17
Methyl tert-butyl Ether
Concen: 4.958 ug/L
RT: 2.712 min Scan# 515
Delta R.T. 0.000 min
Lab File: VV031041.D
Acq: 16 May 2023 09:53

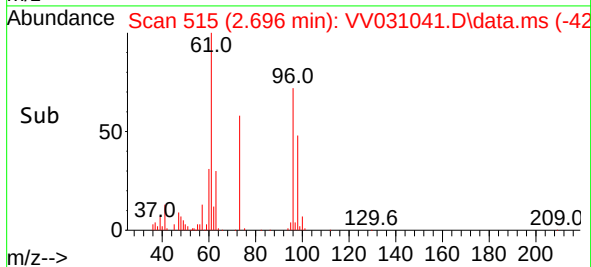
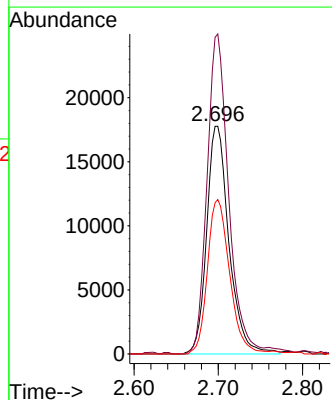
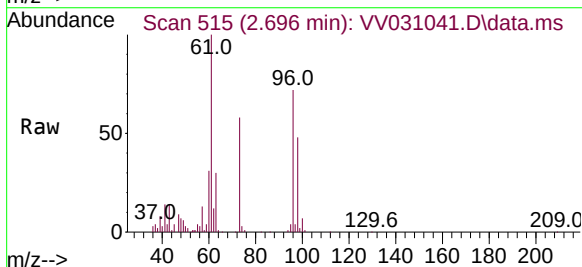
Instrument :
MSVOA_V
ClientSampleId :
VSTD005350

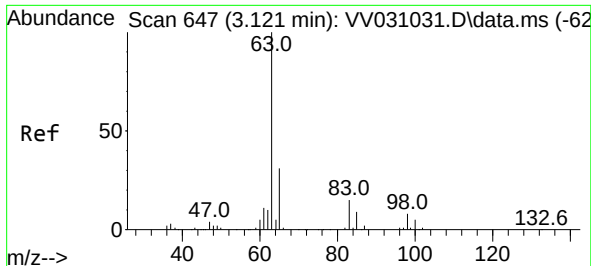
Tgt Ion: 73 Resp: 75830
Ion Ratio Lower Upper
73 100
43 23.2 19.9 29.9
57 20.5 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 4.470 ug/L
RT: 2.696 min Scan# 515
Delta R.T. -0.003 min
Lab File: VV031041.D
Acq: 16 May 2023 09:53

Tgt Ion: 96 Resp: 32800
Ion Ratio Lower Upper
96 100
61 139.1 98.9 183.7
98 66.4 46.0 85.4





#19

1,1-Dichloroethane

Concen: 4.996 ug/L

RT: 3.117 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV031041.D

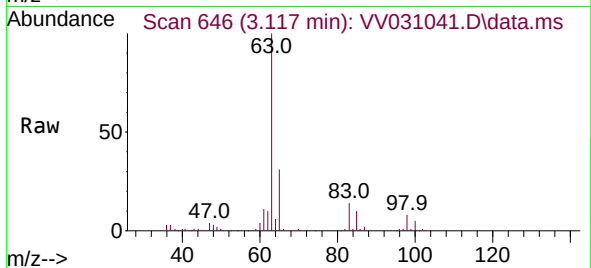
Acq: 16 May 2023 09:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD005350



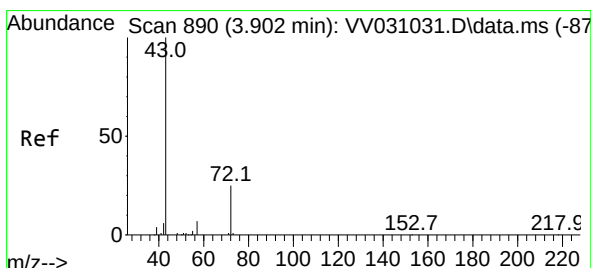
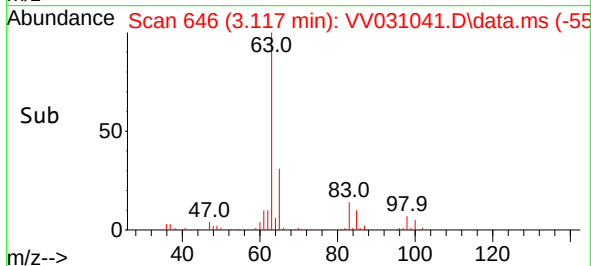
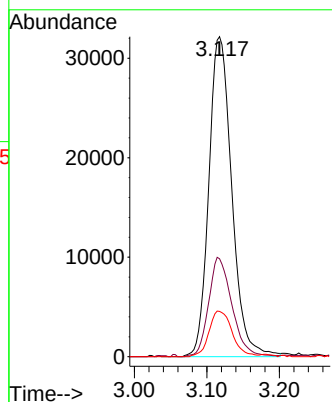
Tgt Ion: 63 Resp: 70797

Ion Ratio Lower Upper

63 100

65 30.6 21.8 40.6

83 14.2 10.2 19.0



#21

2-Butanone

Concen: 26.840 ug/L

RT: 3.928 min Scan# 898

Delta R.T. 0.026 min

Lab File: VV031041.D

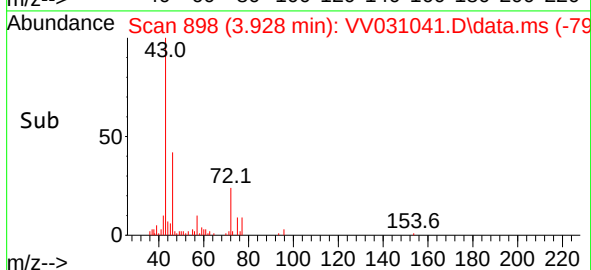
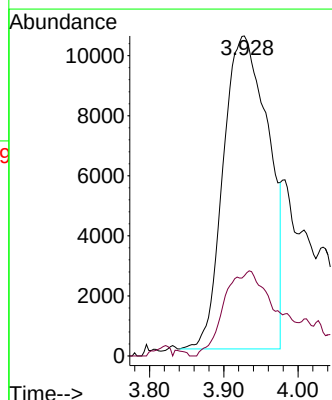
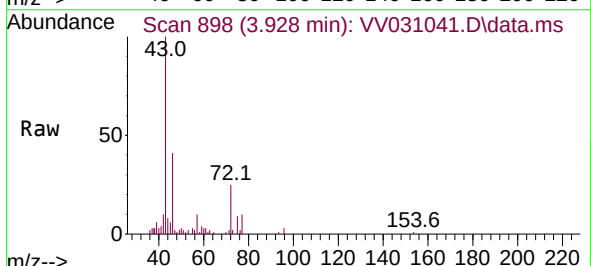
Acq: 16 May 2023 09:53

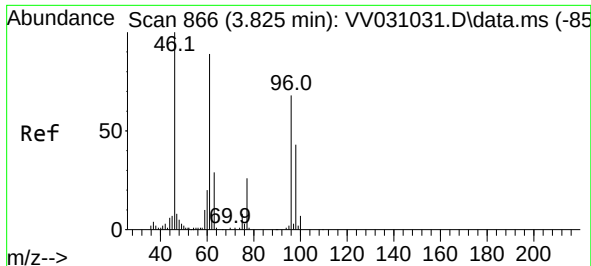
Tgt Ion: 43 Resp: 43978

Ion Ratio Lower Upper

43 100

72 31.5 9.6 28.6#

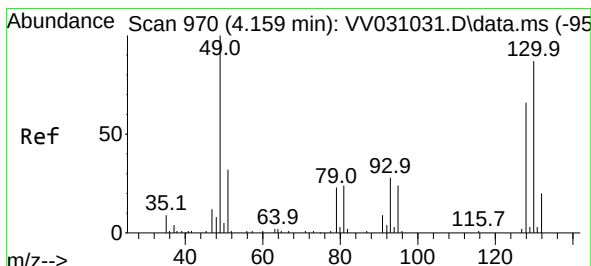
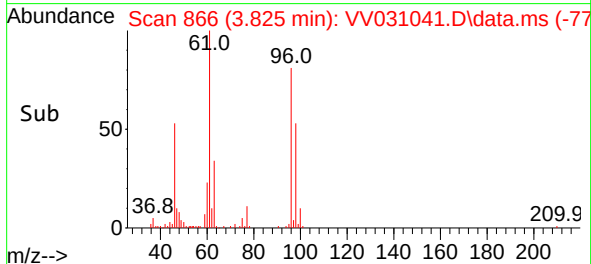
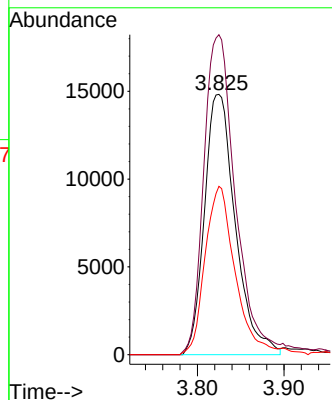
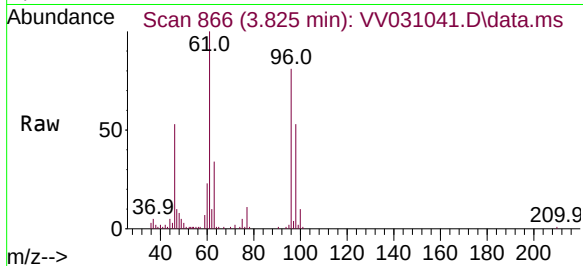




#22
cis-1,2-Dichloroethene
Concen: 4.742 ug/L
RT: 3.825 min Scan# 866
Delta R.T. 0.000 min
Lab File: VV031041.D
Acq: 16 May 2023 09:53

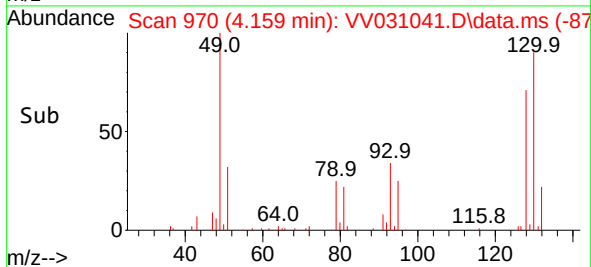
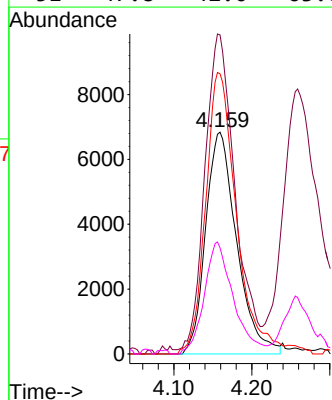
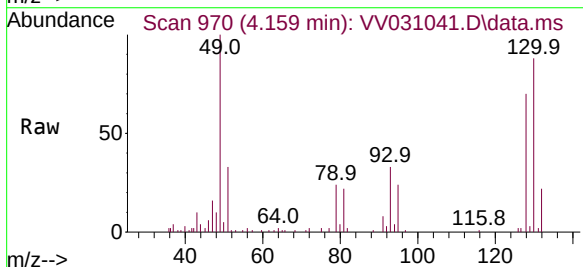
Instrument :
MSVOA_V
ClientSampleId :
VSTD005350

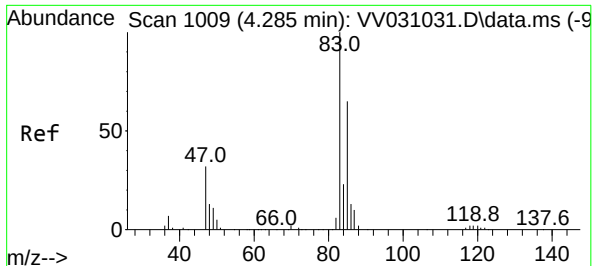
Tgt Ion: 96 Resp: 36717
Ion Ratio Lower Upper
96 100
61 123.0 86.0 159.6
98 64.7 43.2 80.2



#23
Bromochloromethane
Concen: 5.186 ug/L
RT: 4.159 min Scan# 970
Delta R.T. 0.000 min
Lab File: VV031041.D
Acq: 16 May 2023 09:53

Tgt Ion: 128 Resp: 18904
Ion Ratio Lower Upper
128 100
49 143.9 104.7 194.5
130 126.3 93.4 173.4
51 47.8 42.0 63.0

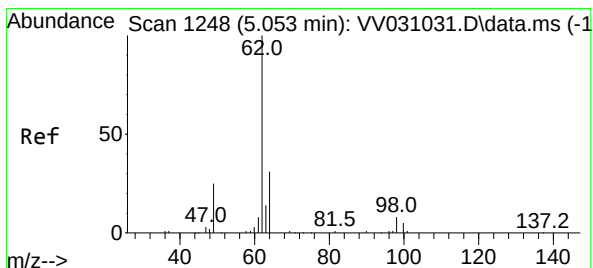
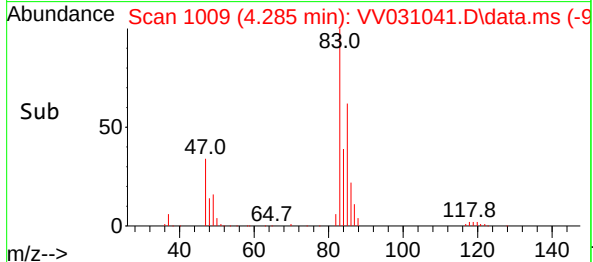
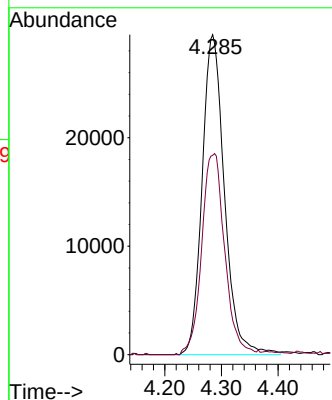
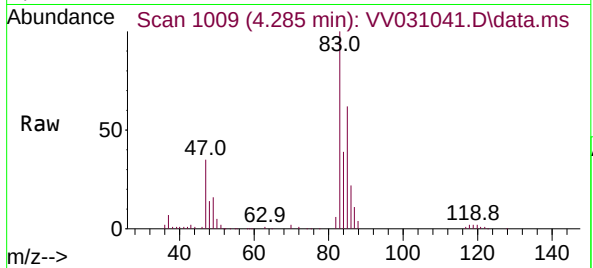




#25
Chloroform
Concen: 5.305 ug/L
RT: 4.285 min Scan# 1009
Delta R.T. 0.000 min
Lab File: VV031041.D
Acq: 16 May 2023 09:53

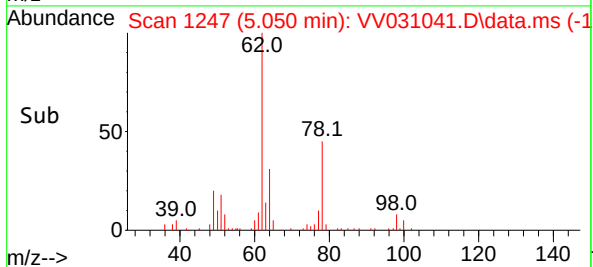
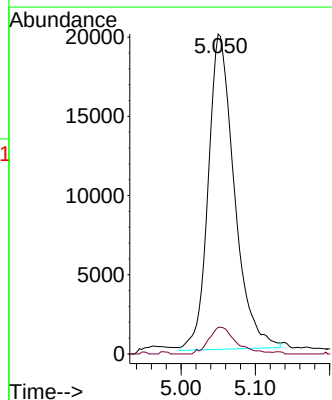
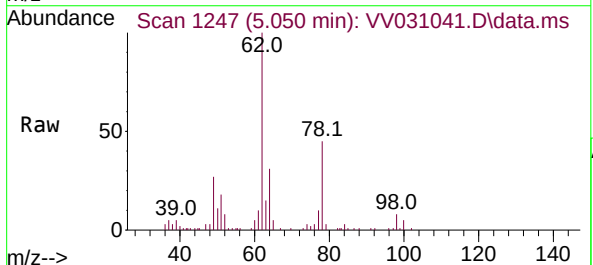
Instrument :
MSVOA_V
ClientSampleId :
VSTD005350

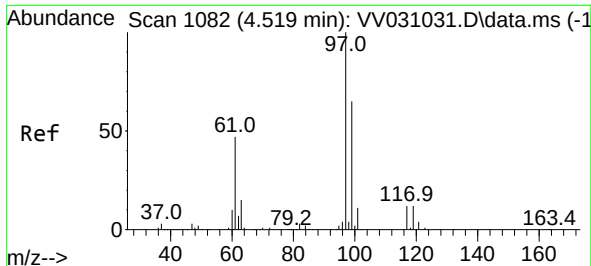
Tgt Ion: 83 Resp: 80661
Ion Ratio Lower Upper
83 100
85 62.3 46.4 86.2



#27
1,2-Dichloroethane
Concen: 5.098 ug/L
RT: 5.050 min Scan# 1247
Delta R.T. -0.003 min
Lab File: VV031041.D
Acq: 16 May 2023 09:53

Tgt Ion: 62 Resp: 48645
Ion Ratio Lower Upper
62 100
98 8.3 6.0 9.0





#29

1,1,1-Trichloroethane

Concen: 4.995 ug/L

RT: 4.516 min Scan# 1103

Delta R.T. -0.003 min

Lab File: VV031041.D

Acq: 16 May 2023 09:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD005350

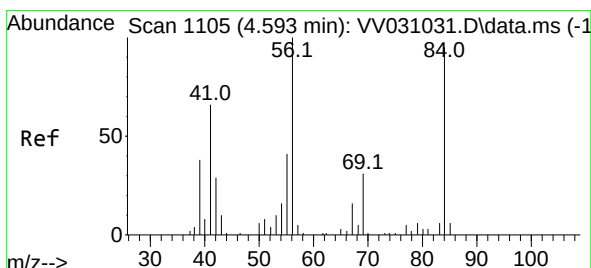
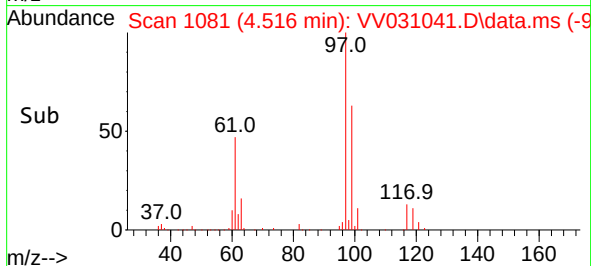
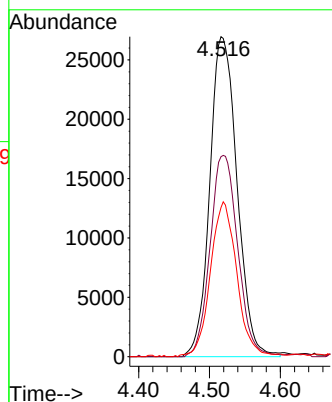
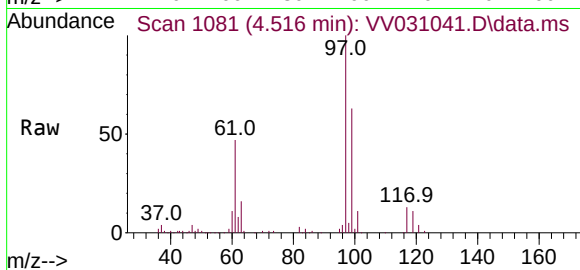
Tgt Ion: 97 Resp: 72133

Ion Ratio Lower Upper

97 100

99 63.9 51.4 77.2

61 46.8 37.4 56.0



#30

Cyclohexane

Concen: 4.083 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VV031041.D

Acq: 16 May 2023 09:53

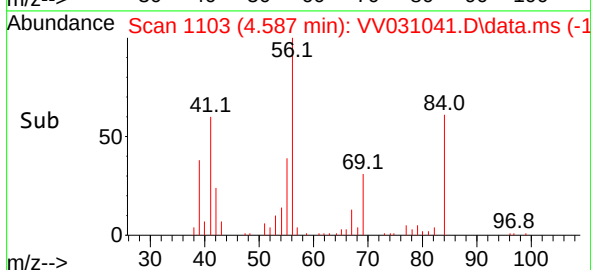
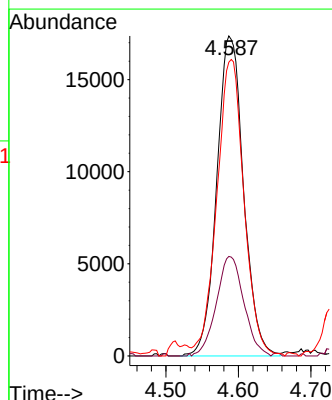
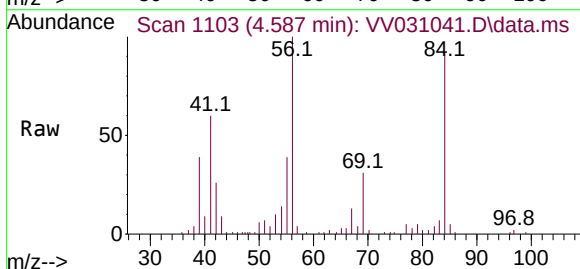
Tgt Ion: 56 Resp: 44537

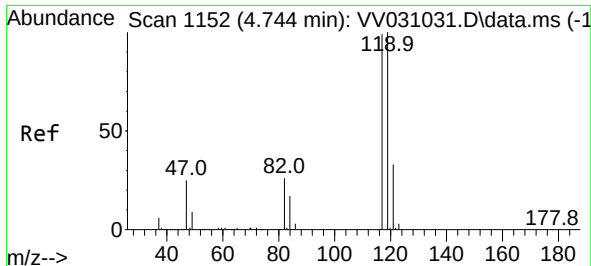
Ion Ratio Lower Upper

56 100

69 31.9 25.0 37.6

84 93.9 74.2 111.2

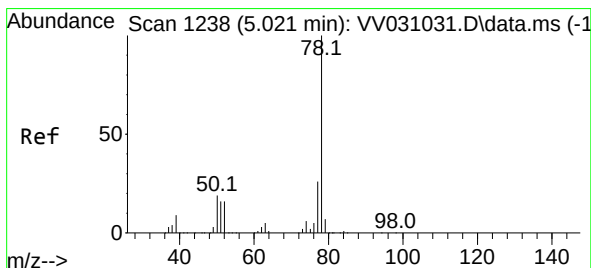
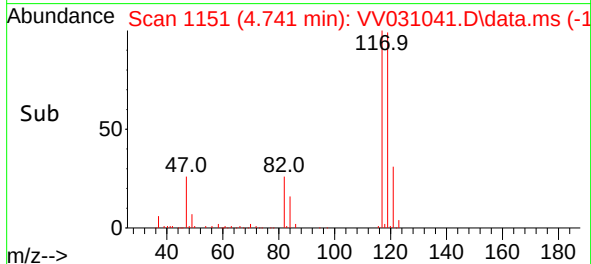
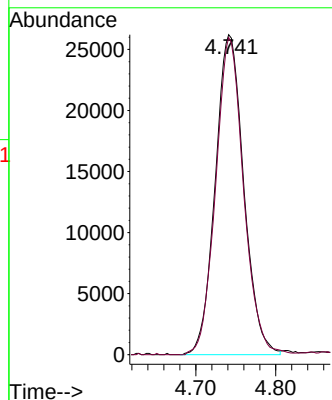
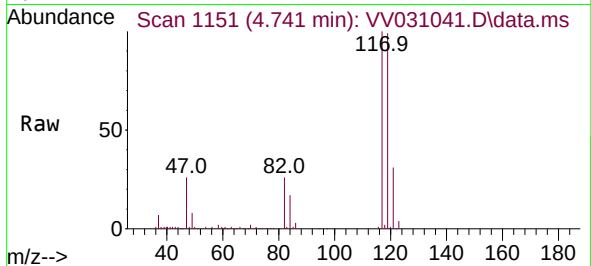




#31
Carbon tetrachloride
Concen: 5.001 ug/L
RT: 4.741 min Scan# 1152
Delta R.T. -0.003 min
Lab File: VV031041.D
Acq: 16 May 2023 09:53

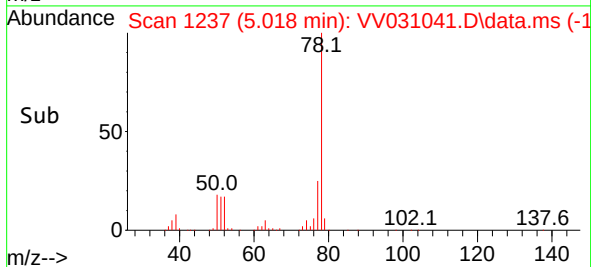
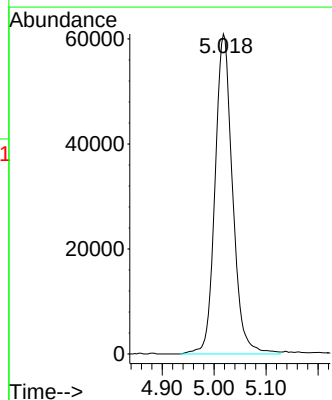
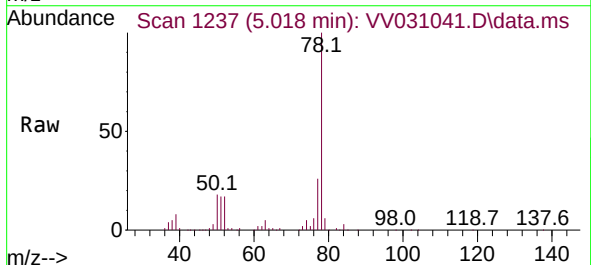
Instrument : MSVOA_V
ClientSampleId : VSTD005350

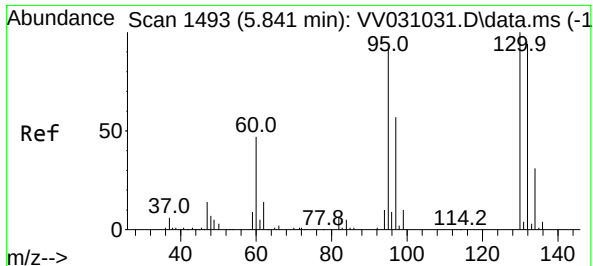
Tgt Ion:117 Resp: 64877
Ion Ratio Lower Upper
117 100
119 96.9 78.4 117.6



#33
Benzene
Concen: 4.941 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. -0.003 min
Lab File: VV031041.D
Acq: 16 May 2023 09:53

Tgt Ion: 78 Resp: 142858

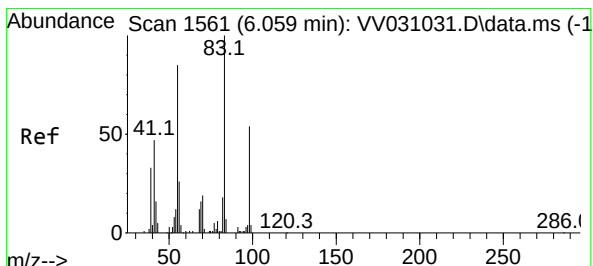
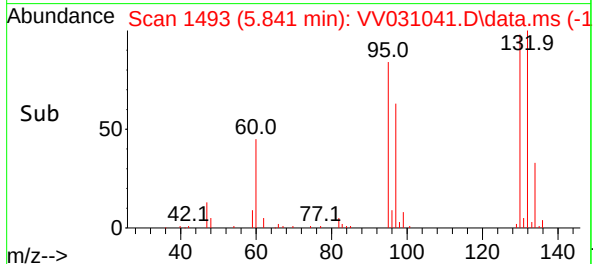
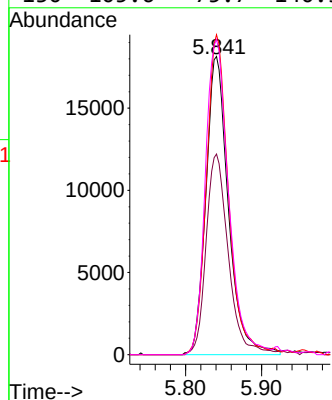
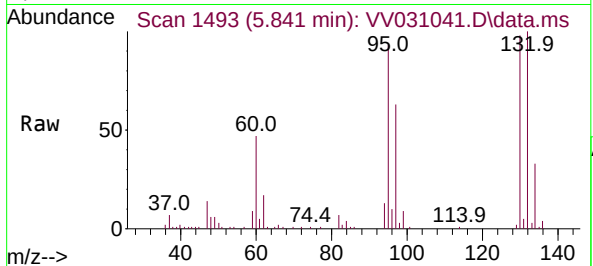




#34
Trichloroethene
Concen: 4.845 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VV031041.D
Acq: 16 May 2023 09:53

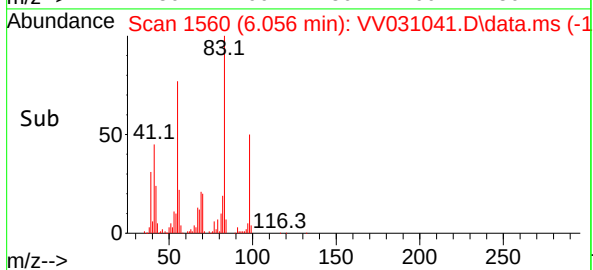
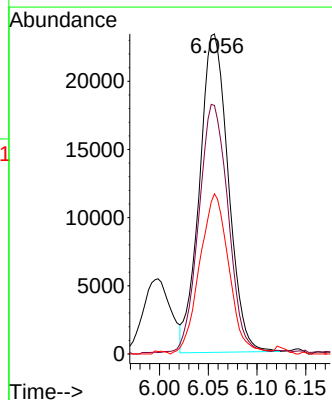
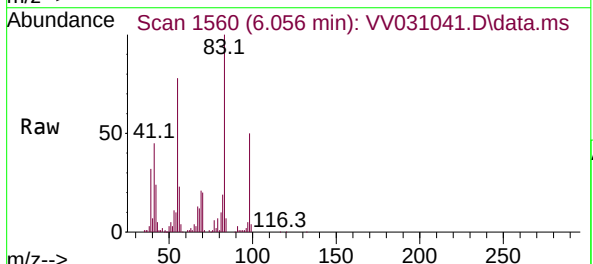
Instrument :
MSVOA_V
ClientSampleId :
VSTD005350

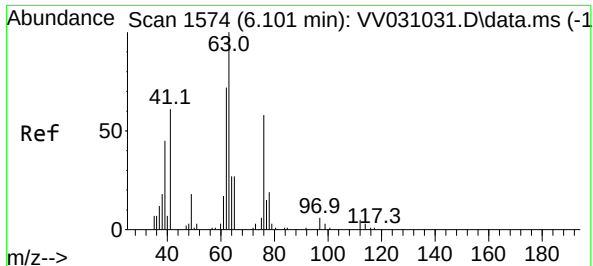
Tgt Ion: 95 Resp: 37338
Ion Ratio Lower Upper
95 100
97 67.3 46.2 85.8
132 107.3 72.7 135.1
130 105.6 75.7 140.5



#35
Methylcyclohexane
Concen: 4.021 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. -0.003 min
Lab File: VV031041.D
Acq: 16 May 2023 09:53

Tgt Ion: 83 Resp: 48022
Ion Ratio Lower Upper
83 100
55 79.4 62.9 94.3
98 51.1 40.5 60.7





#37

1,2-Dichloropropane

Concen: 5.415 ug/L

RT: 6.101 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV031041.D

Acq: 16 May 2023 09:53

Instrument :

MSVOA_V

ClientSampleId :

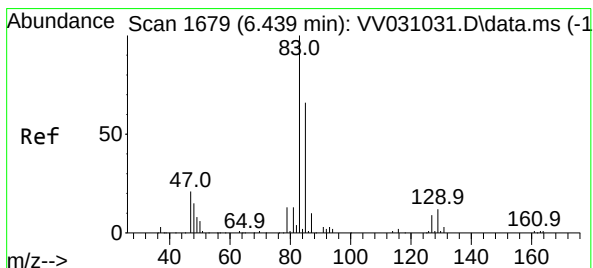
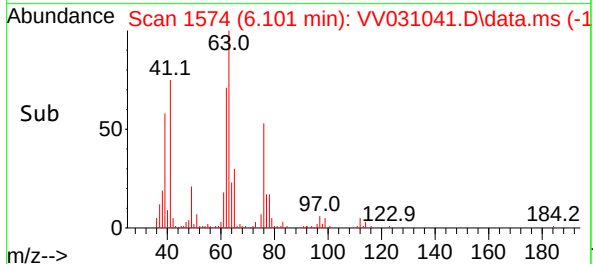
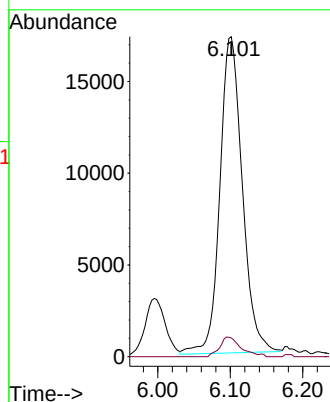
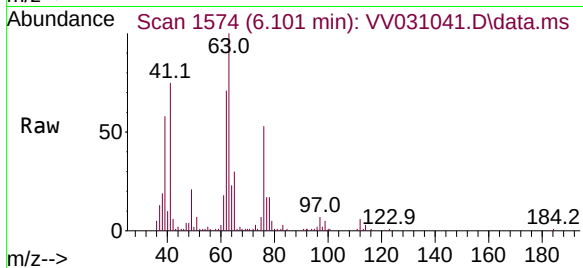
VSTD005350

Tgt Ion: 63 Resp: 37130

Ion Ratio Lower Upper

63 100

112 5.9 3.8 5.8#



#38

Bromodichloromethane

Concen: 5.278 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. 0.000 min

Lab File: VV031041.D

Acq: 16 May 2023 09:53

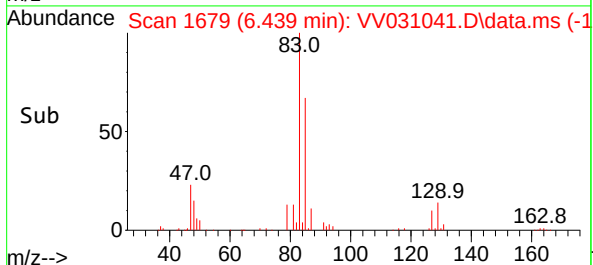
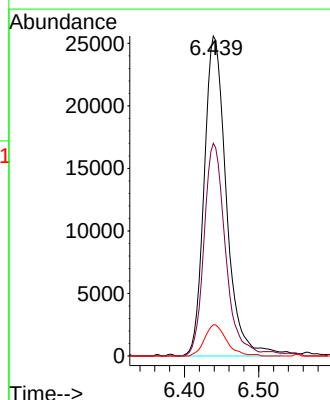
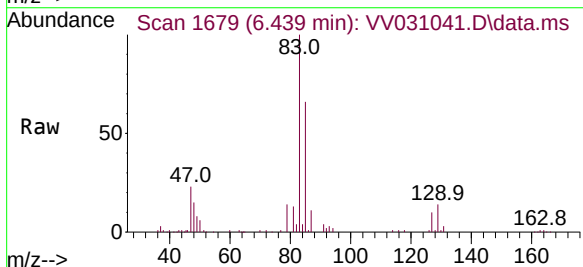
Tgt Ion: 83 Resp: 52976

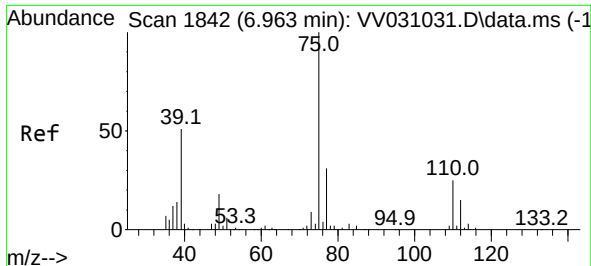
Ion Ratio Lower Upper

83 100

85 66.5 44.4 82.4

127 9.7 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 4.549 ug/L

RT: 6.960 min Scan# 1842

Delta R.T. -0.003 min

Lab File: VV031041.D

Acq: 16 May 2023 09:53

Instrument :

MSVOA_V

ClientSampleId :

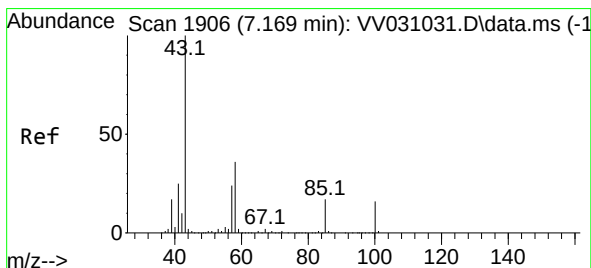
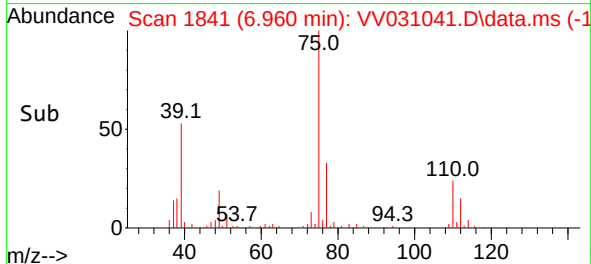
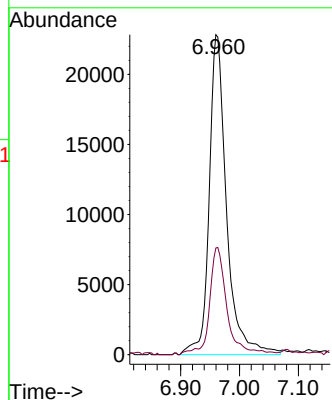
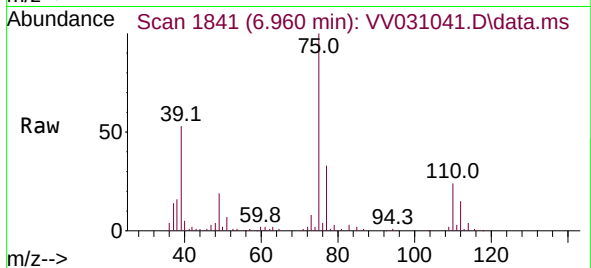
VSTD005350

Tgt Ion: 75 Resp: 46719

Ion Ratio Lower Upper

75 100

77 33.4 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 52.487 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VV031041.D

Acq: 16 May 2023 09:53

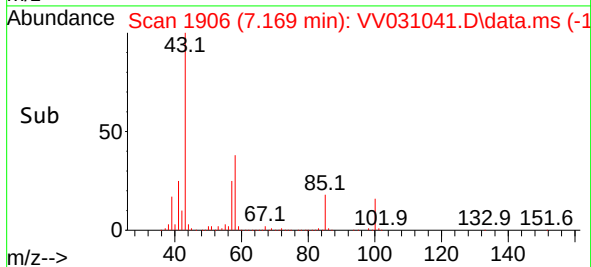
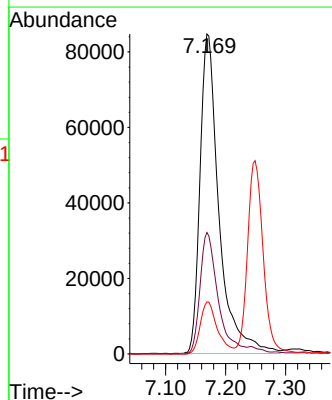
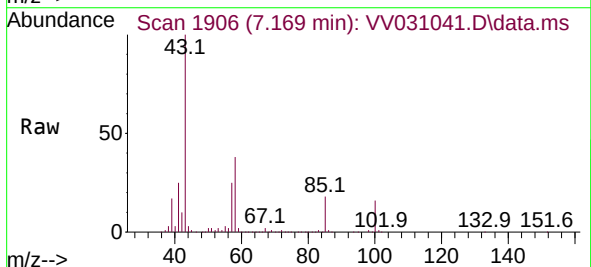
Tgt Ion: 43 Resp: 186488

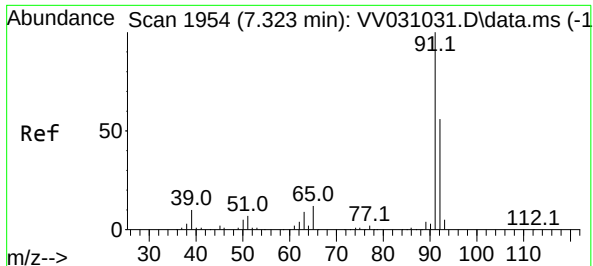
Ion Ratio Lower Upper

43 100

58 36.1 28.3 42.5

100 14.8 11.8 17.8





#42

Toluene

Concen: 5.143 ug/L

RT: 7.320 min Scan# 1954

Delta R.T. -0.003 min

Lab File: VV031041.D

Acq: 16 May 2023 09:53

Instrument :

MSVOA_V

ClientSampleId :

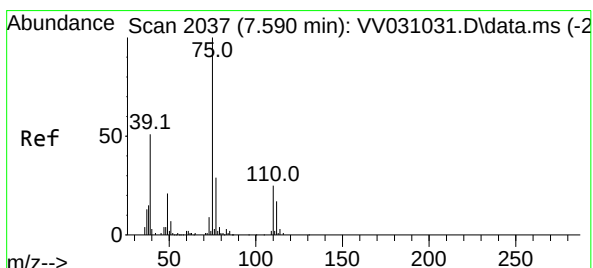
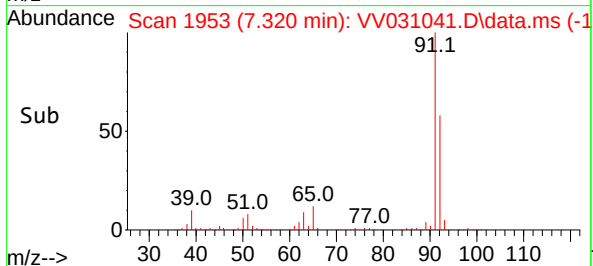
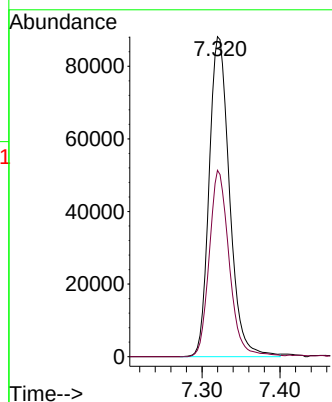
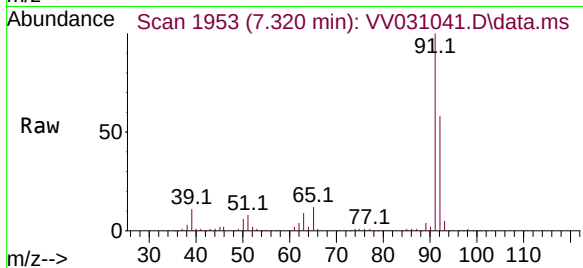
VSTD005350

Tgt Ion: 91 Resp: 160083

Ion Ratio Lower Upper

91 100

92 58.3 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 4.769 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.000 min

Lab File: VV031041.D

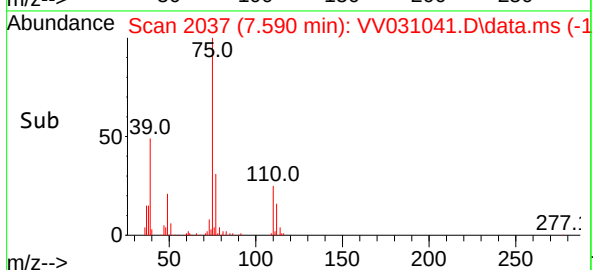
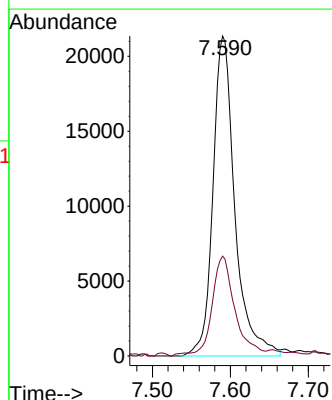
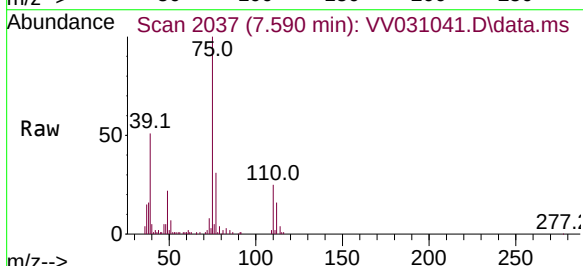
Acq: 16 May 2023 09:53

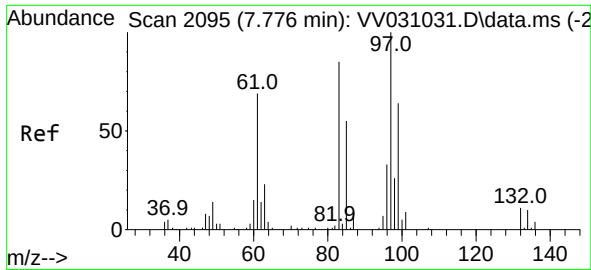
Tgt Ion: 75 Resp: 41737

Ion Ratio Lower Upper

75 100

77 31.2 21.6 40.0

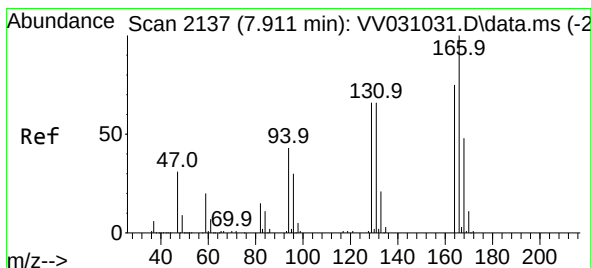
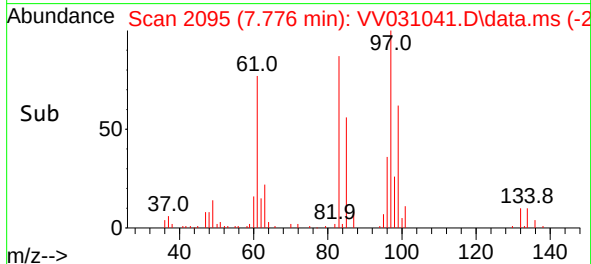
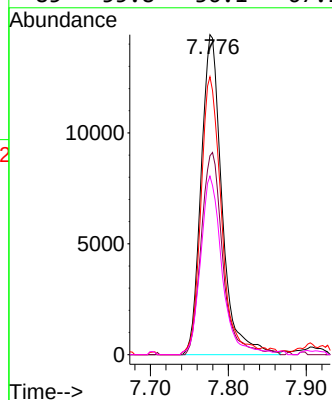
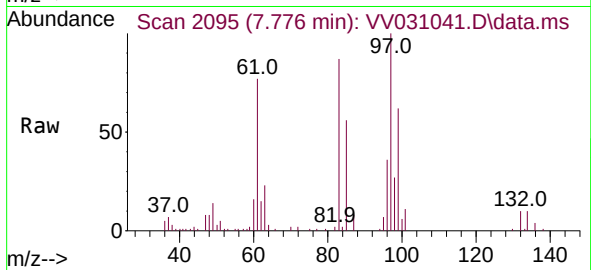




#45
1,1,2-Trichloroethane
Concen: 5.279 ug/L
RT: 7.776 min Scan# 2095
Delta R.T. 0.000 min
Lab File: VV031041.D
Acq: 16 May 2023 09:53

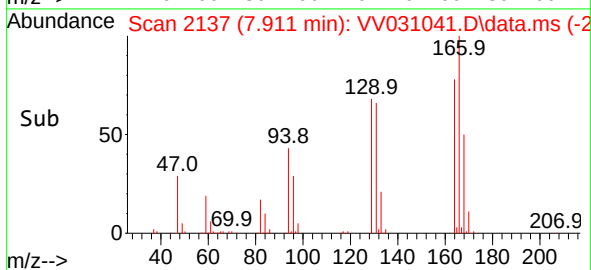
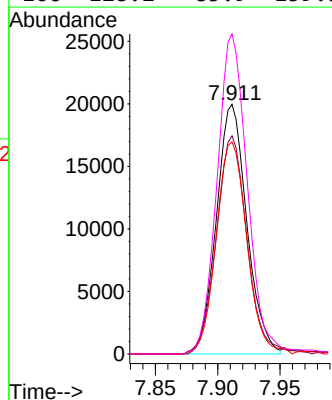
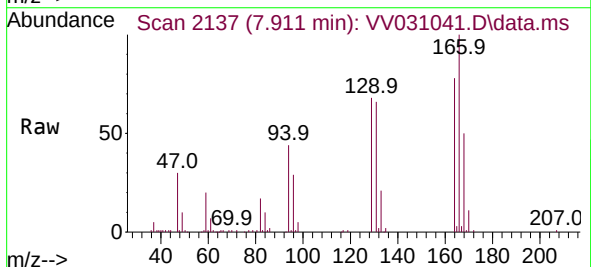
Instrument :
MSVOA_V
ClientSampleId :
VSTD005350

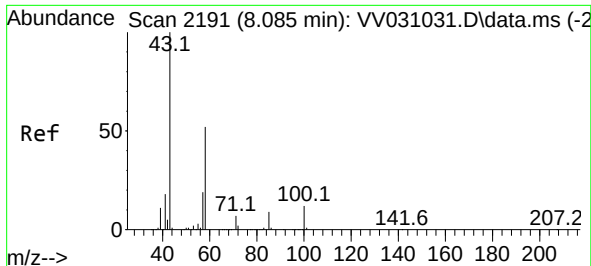
Tgt Ion:	97	Resp:	26861
Ion	Ratio	Lower	Upper
97	100		
99	62.1	42.8	79.6
83	86.8	57.5	106.7
85	55.8	36.1	67.1



#47
Tetrachloroethene
Concen: 4.621 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VV031041.D
Acq: 16 May 2023 09:53

Tgt Ion:	164	Resp:	33973
Ion	Ratio	Lower	Upper
164	100		
129	87.4	60.5	112.3
131	85.0	60.8	112.8
166	128.2	85.9	159.5





#48

2-Hexanone

Concen: 50.942 ug/L

RT: 8.088 min Scan# 2191

Delta R.T. 0.003 min

Lab File: VV031041.D

Acq: 16 May 2023 09:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD005350

Tgt Ion: 43 Resp: 138823

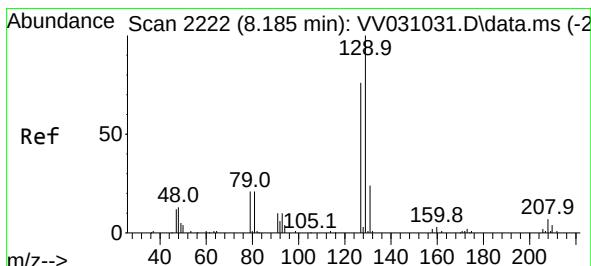
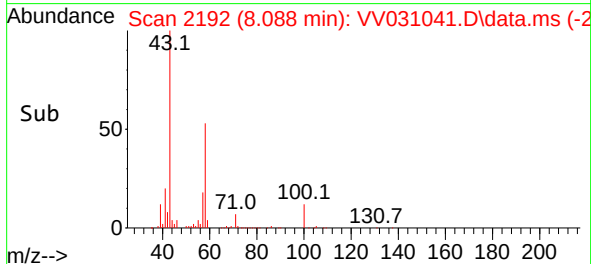
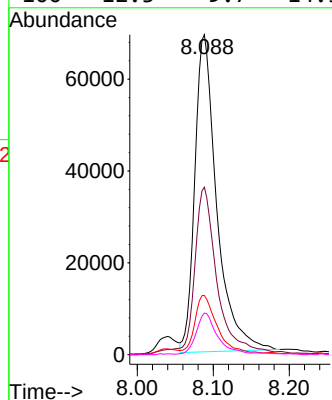
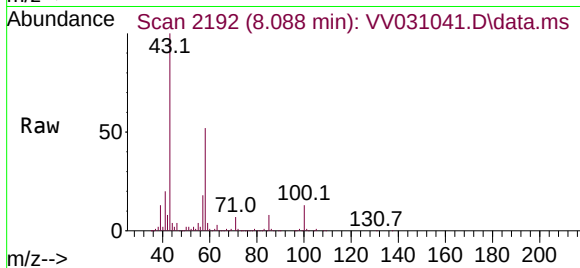
Ion Ratio Lower Upper

43 100

58 54.9 39.9 59.9

57 18.4 14.1 21.1

100 12.3 9.7 14.5



#49

Dibromochloromethane

Concen: 5.364 ug/L

RT: 8.185 min Scan# 2222

Delta R.T. 0.000 min

Lab File: VV031041.D

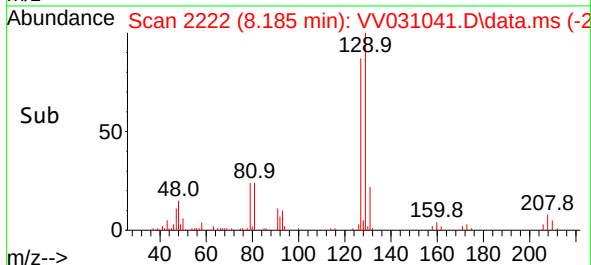
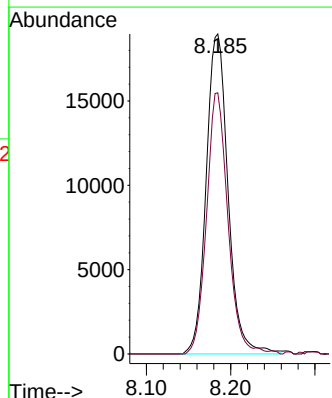
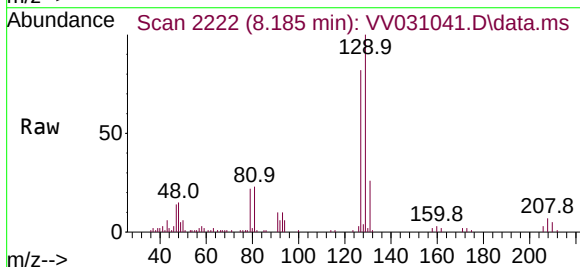
Acq: 16 May 2023 09:53

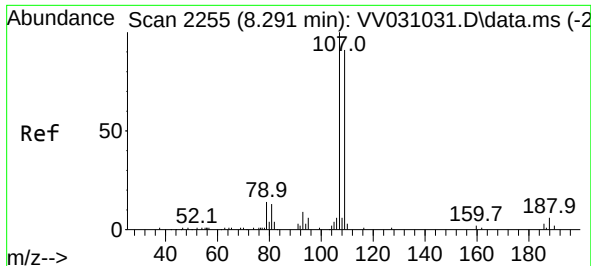
Tgt Ion: 129 Resp: 34334

Ion Ratio Lower Upper

129 100

127 81.6 55.3 102.7





#50

1,2-Dibromoethane

Concen: 5.425 ug/L

RT: 8.291 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV031041.D

Acq: 16 May 2023 09:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD005350

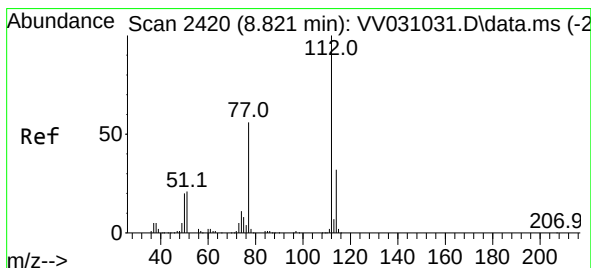
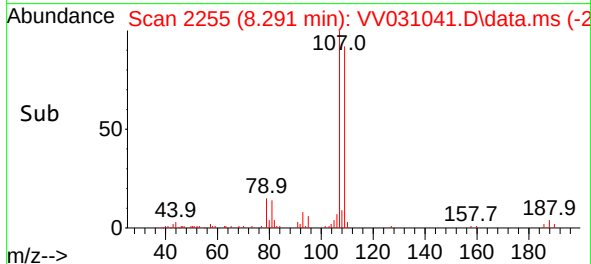
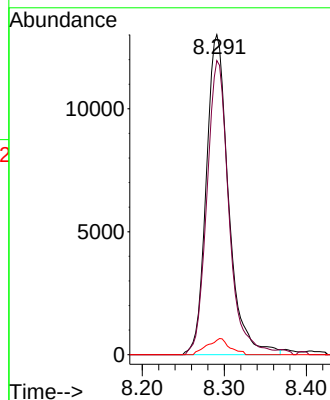
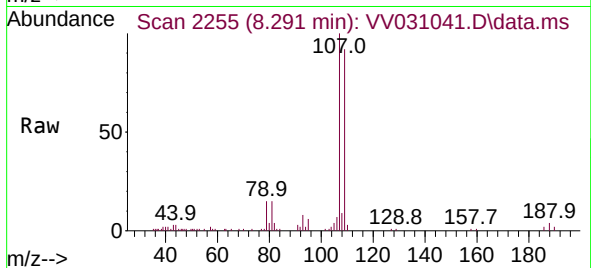
Tgt Ion:107 Resp: 24620

Ion Ratio Lower Upper

107 100

109 91.9 64.9 120.5

188 4.5 3.2 4.8



#51

Chlorobenzene

Concen: 4.909 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. 0.000 min

Lab File: VV031041.D

Acq: 16 May 2023 09:53

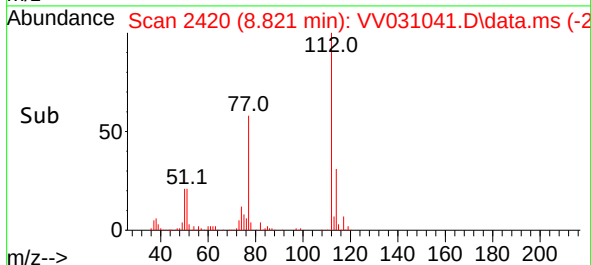
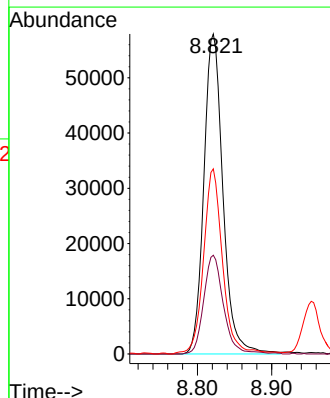
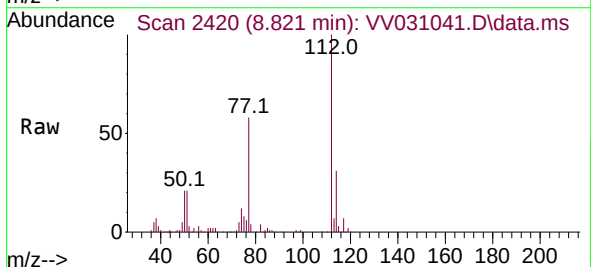
Tgt Ion:112 Resp: 103592

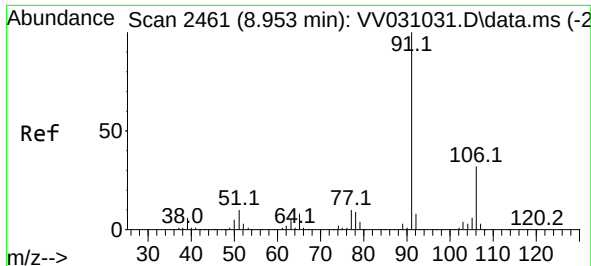
Ion Ratio Lower Upper

112 100

114 30.9 22.5 41.9

77 57.8 45.3 67.9

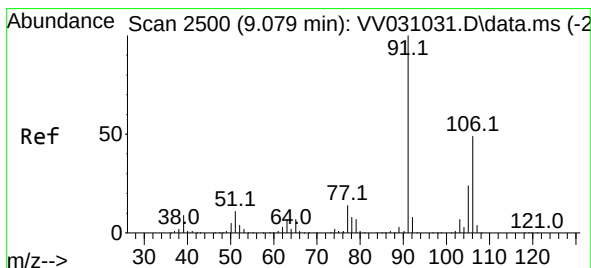
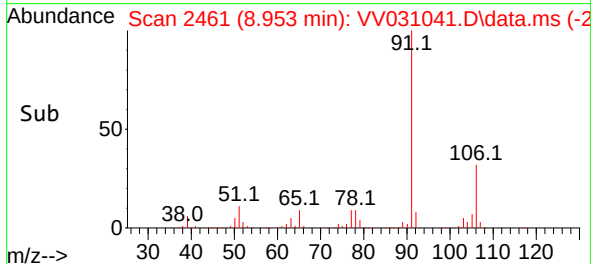
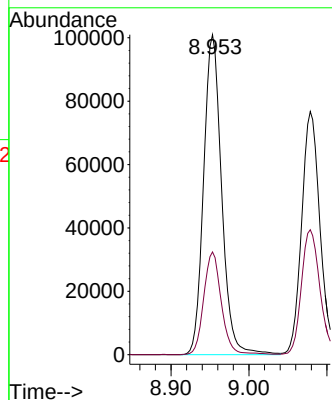
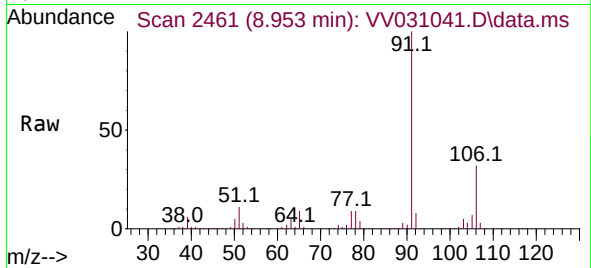




#52
Ethylbenzene
Concen: 4.779 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.000 min
Lab File: VV031041.D
Acq: 16 May 2023 09:53

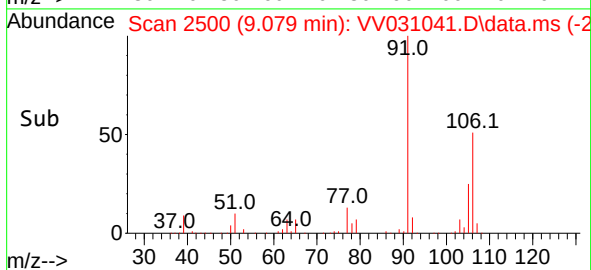
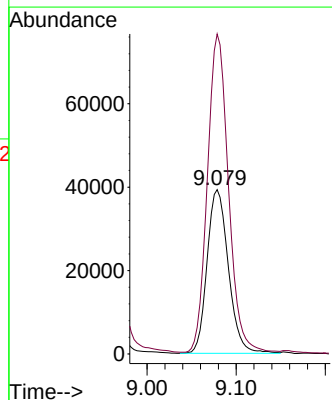
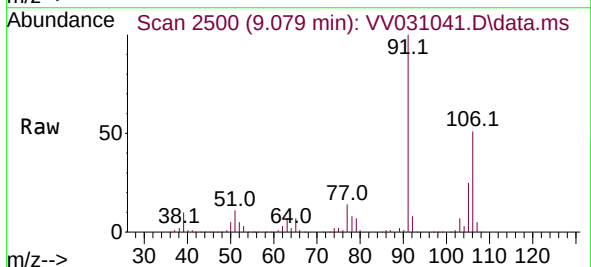
Instrument :
MSVOA_V
ClientSampleId :
VSTD005350

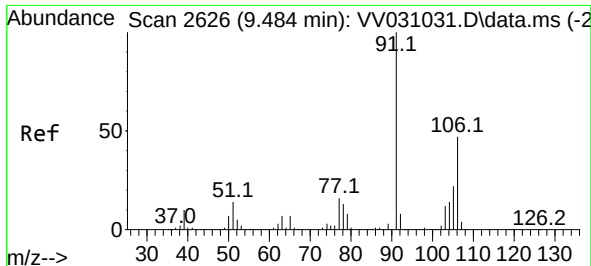
Tgt Ion: 91 Resp: 162174
Ion Ratio Lower Upper
91 100
106 32.1 21.4 39.8



#53
m,p-Xylene
Concen: 4.801 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. 0.000 min
Lab File: VV031041.D
Acq: 16 May 2023 09:53

Tgt Ion: 106 Resp: 65018
Ion Ratio Lower Upper
106 100
91 194.7 138.7 257.5

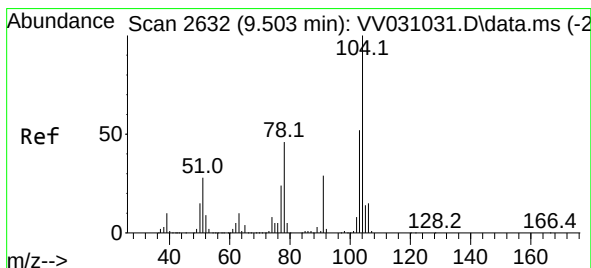
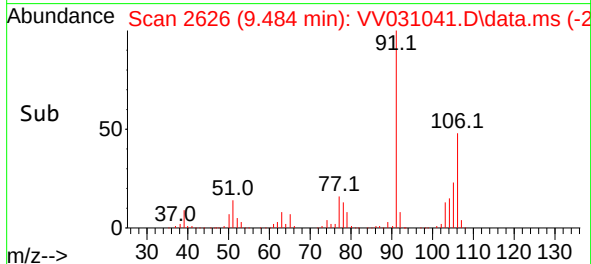
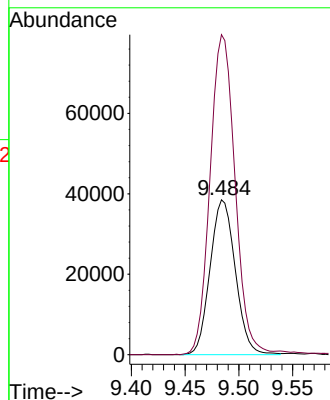
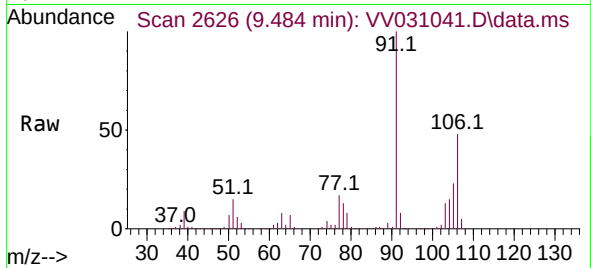




#54
o-Xylene
Concen: 4.877 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VV031041.D
Acq: 16 May 2023 09:53

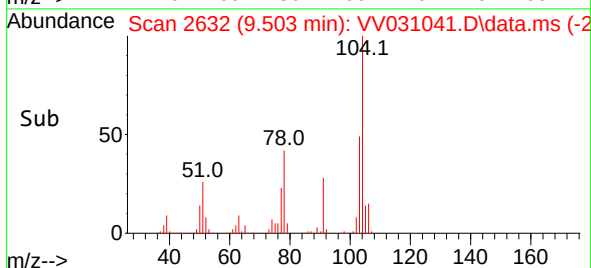
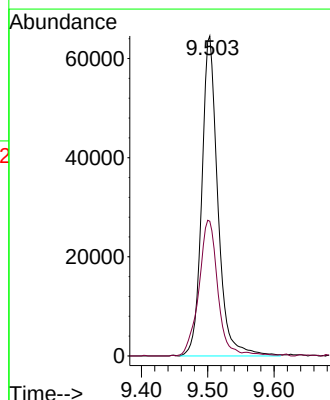
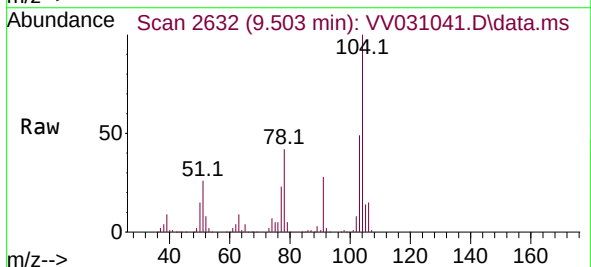
Instrument :
MSVOA_V
ClientSampleId :
VSTD005350

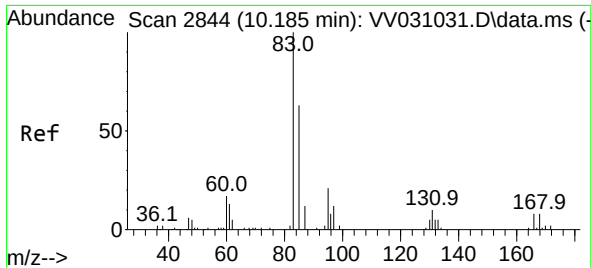
Tgt Ion:106 Resp: 62855
Ion Ratio Lower Upper
106 100
91 206.5 145.1 269.5



#55
Styrene
Concen: 5.000 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.000 min
Lab File: VV031041.D
Acq: 16 May 2023 09:53

Tgt Ion:104 Resp: 108726
Ion Ratio Lower Upper
104 100
78 42.1 31.4 58.2

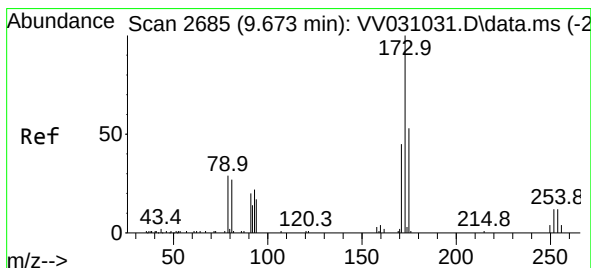
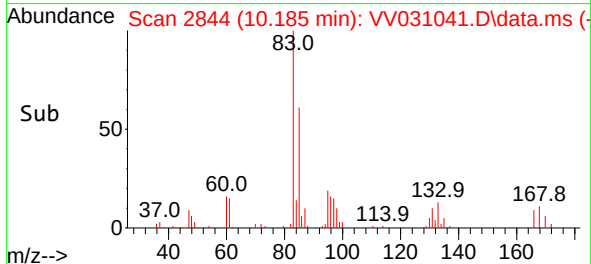
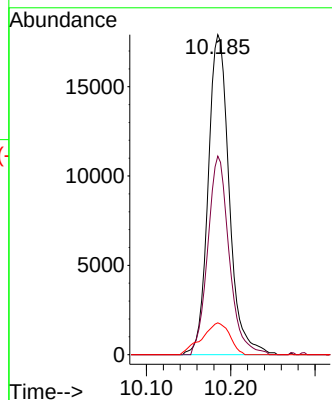
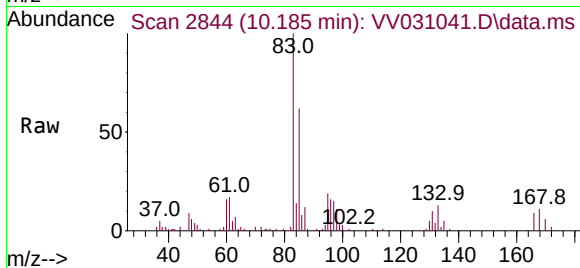




#57
1,1,2,2-Tetrachloroethane
Concen: 5.469 ug/L
RT: 10.185 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VV031041.D
Acq: 16 May 2023 09:53

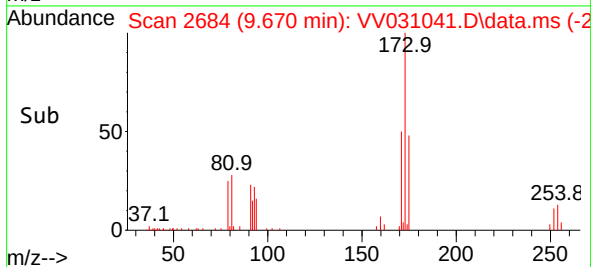
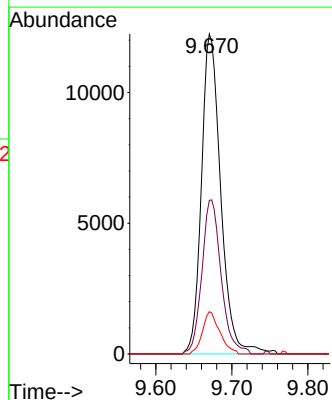
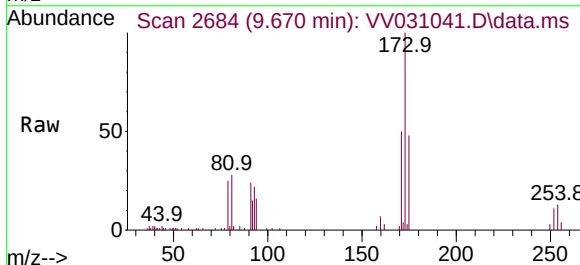
Instrument :
MSVOA_V
ClientSampleId :
VSTD005350

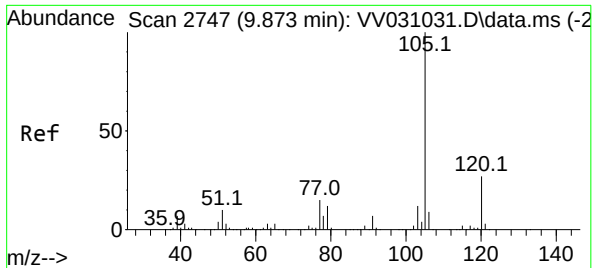
Tgt Ion: 83 Resp: 31105
Ion Ratio Lower Upper
83 100
85 62.0 45.2 84.0
131 10.0 8.3 12.5



#59
Bromoform
Concen: 5.703 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. -0.003 min
Lab File: VV031041.D
Acq: 16 May 2023 09:53

Tgt Ion: 173 Resp: 21613
Ion Ratio Lower Upper
173 100
175 47.9 39.9 59.9
254 11.8 9.7 14.5

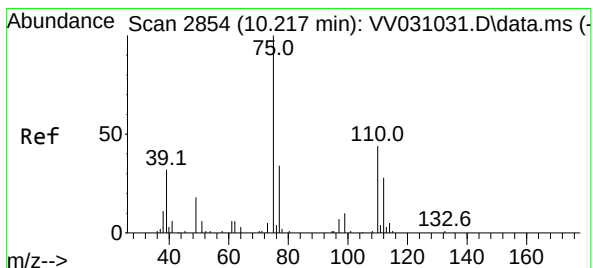
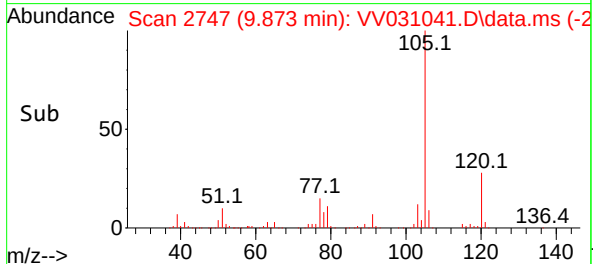
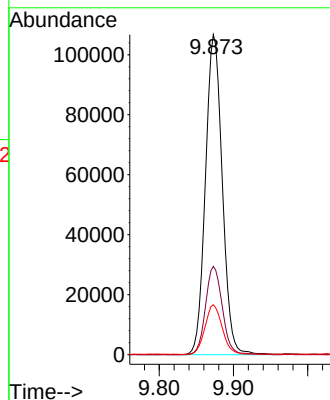
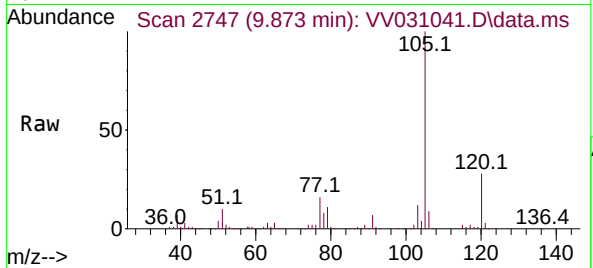




#60
Isopropylbenzene
Concen: 4.836 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031041.D
Acq: 16 May 2023 09:53

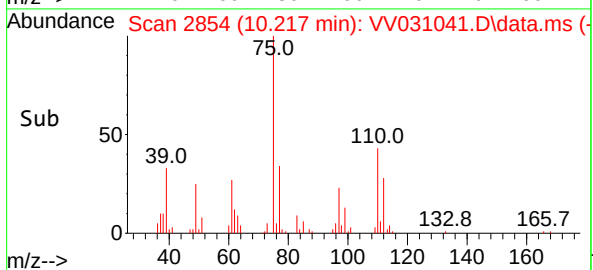
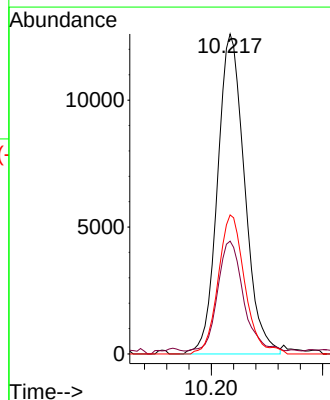
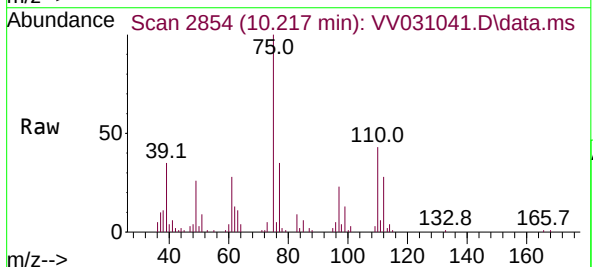
Instrument :
MSVOA_V
ClientSampleId :
VSTD005350

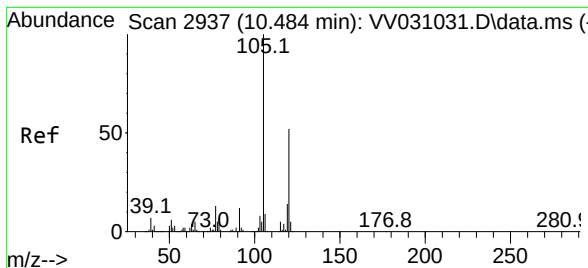
Tgt Ion:105 Resp: 167882
Ion Ratio Lower Upper
105 100
120 27.6 22.2 33.4
77 15.8 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 5.266 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.000 min
Lab File: VV031041.D
Acq: 16 May 2023 09:53

Tgt Ion: 75 Resp: 21300
Ion Ratio Lower Upper
75 100
77 32.5 25.3 37.9
110 42.6 34.0 51.0

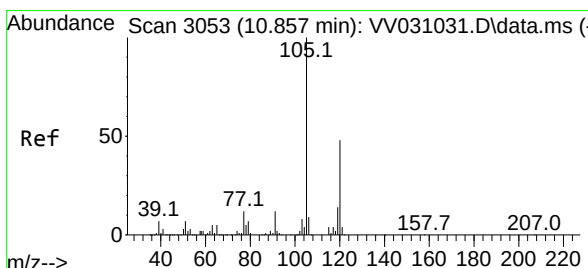
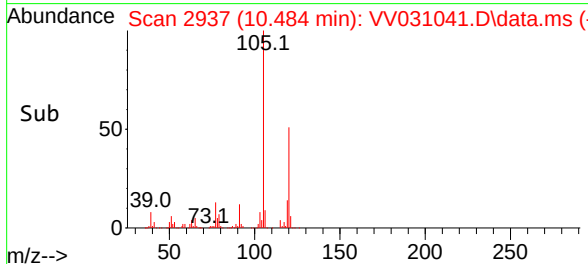
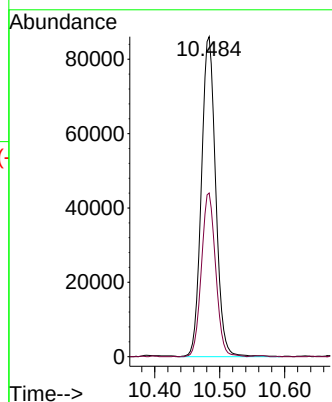
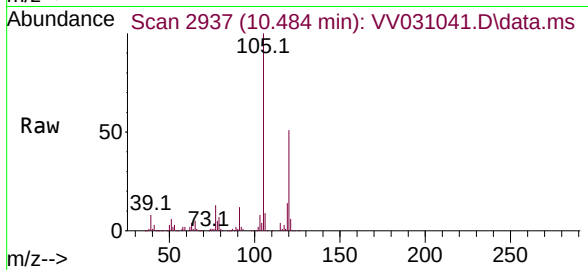




#62
 1,3,5-Trimethylbenzene
 Concen: 4.674 ug/L
 RT: 10.484 min Scan# 2937
 Delta R.T. 0.000 min
 Lab File: VV031041.D
 Acq: 16 May 2023 09:53

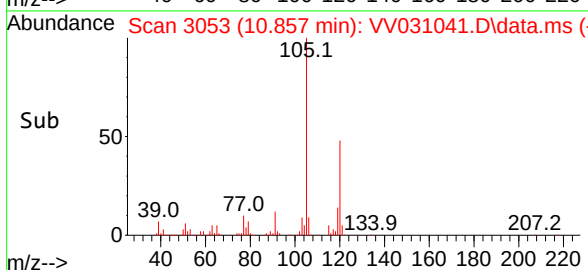
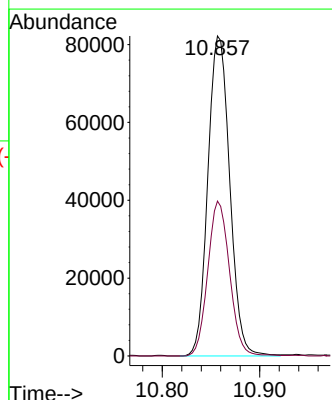
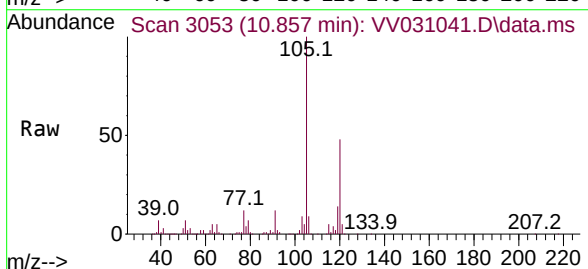
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005350

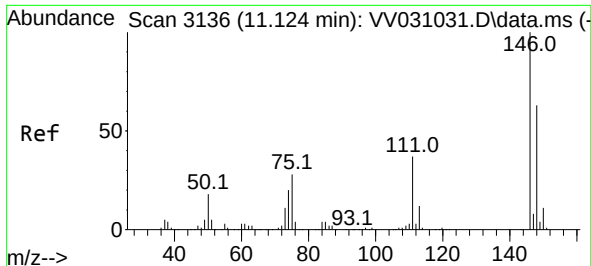
Tgt Ion:105 Resp: 132086
 Ion Ratio Lower Upper
 105 100
 120 50.9 40.2 60.4



#63
 1,2,4-Trimethylbenzene
 Concen: 4.482 ug/L
 RT: 10.857 min Scan# 3053
 Delta R.T. 0.000 min
 Lab File: VV031041.D
 Acq: 16 May 2023 09:53

Tgt Ion:105 Resp: 128316
 Ion Ratio Lower Upper
 105 100
 120 48.2 37.9 56.9

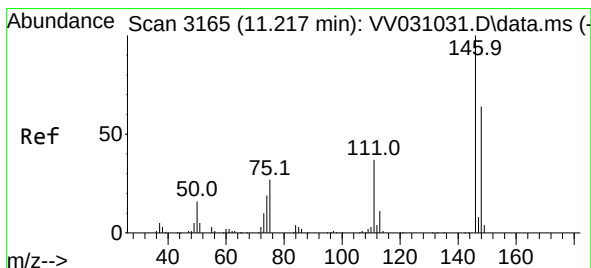
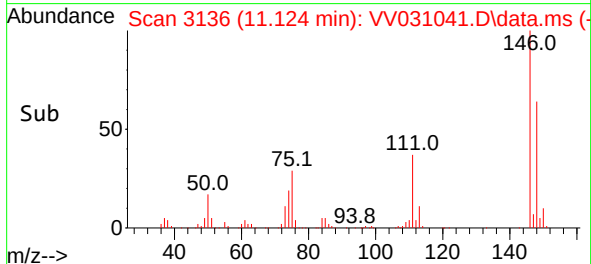
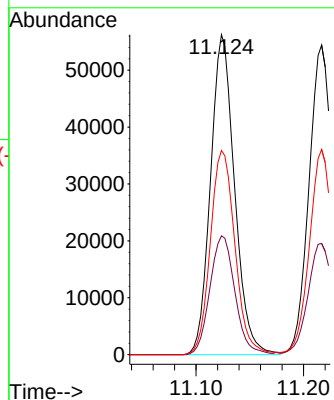
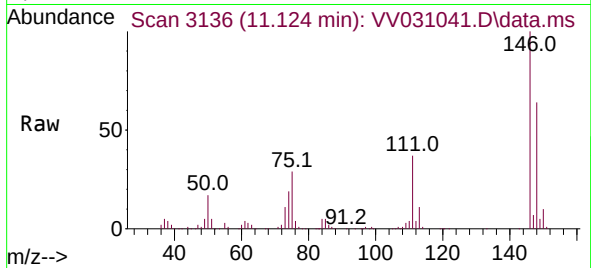




#64
1,3-Dichlorobenzene
Concen: 4.899 ug/L
RT: 11.124 min Scan# 3136
Delta R.T. 0.000 min
Lab File: VV031041.D
Acq: 16 May 2023 09:53

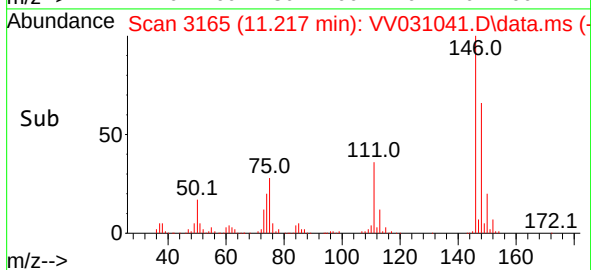
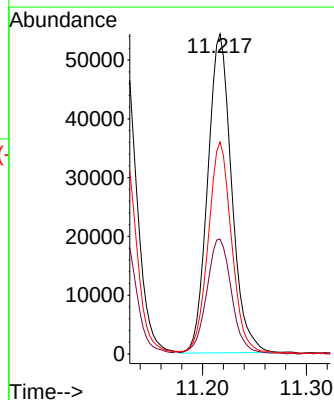
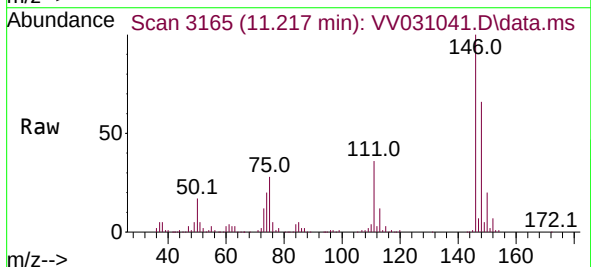
Instrument :
MSVOA_V
ClientSampleId :
VSTD005350

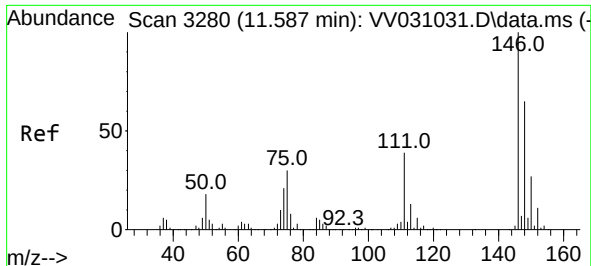
Tgt Ion:146 Resp: 87332
Ion Ratio Lower Upper
146 100
111 37.2 26.5 49.3
148 63.8 43.4 80.6



#65
1,4-Dichlorobenzene
Concen: 4.815 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. 0.000 min
Lab File: VV031041.D
Acq: 16 May 2023 09:53

Tgt Ion:146 Resp: 86608
Ion Ratio Lower Upper
146 100
111 35.9 23.9 44.5
148 66.3 42.8 79.6

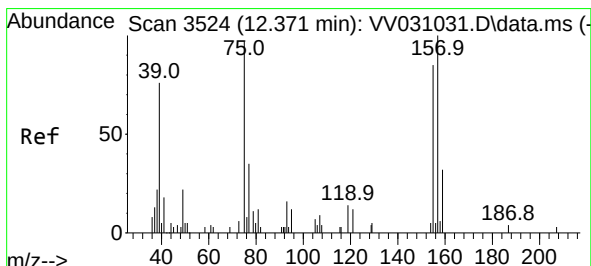
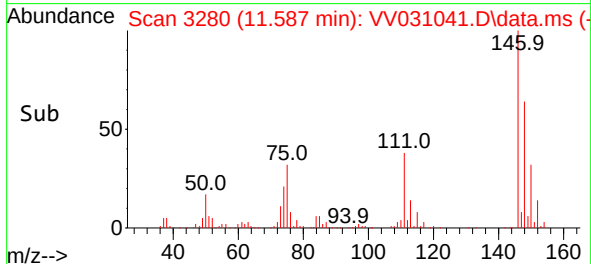
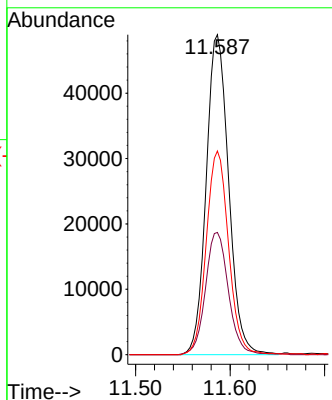
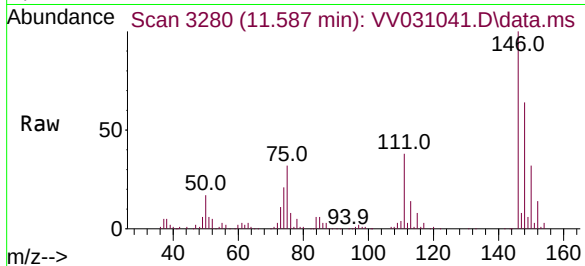




#67
1,2-Dichlorobenzene
Concen: 5.036 ug/L
RT: 11.587 min Scan# 311
Delta R.T. 0.000 min
Lab File: VV031041.D
Acq: 16 May 2023 09:53

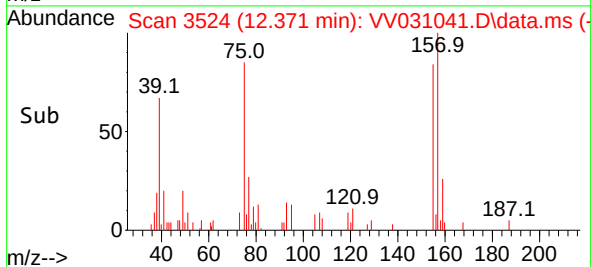
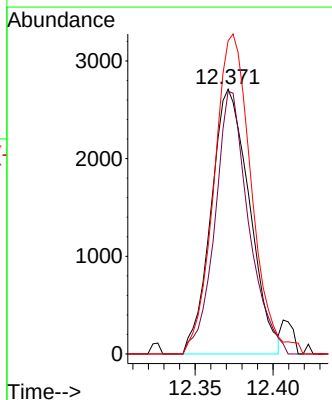
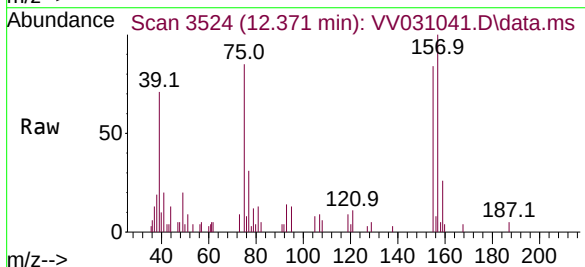
Instrument :
MSVOA_V
ClientSampleId :
VSTD005350

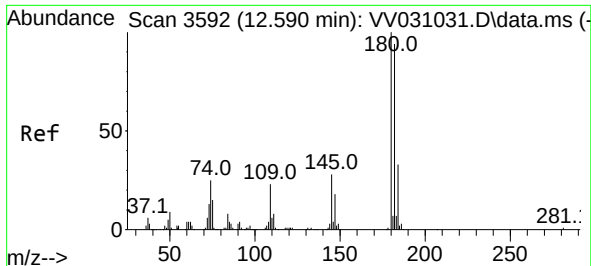
Tgt Ion:146 Resp: 80727
Ion Ratio Lower Upper
146 100
111 38.2 34.0 51.0
148 63.6 53.8 80.6



#68
1,2-Dibromo-3-chloropropane
Concen: 4.510 ug/L
RT: 12.371 min Scan# 3524
Delta R.T. 0.000 min
Lab File: VV031041.D
Acq: 16 May 2023 09:53

Tgt Ion: 75 Resp: 4630
Ion Ratio Lower Upper
75 100
155 99.2 56.2 84.4#
157 118.3 83.1 124.7

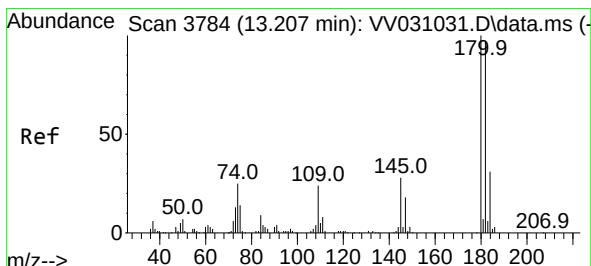
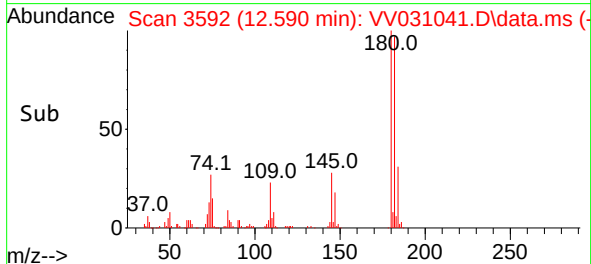
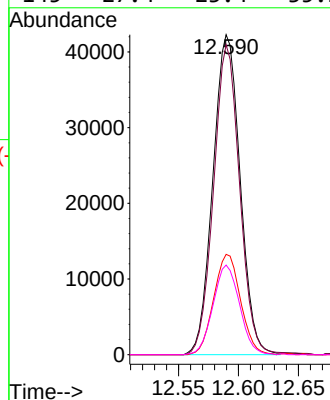
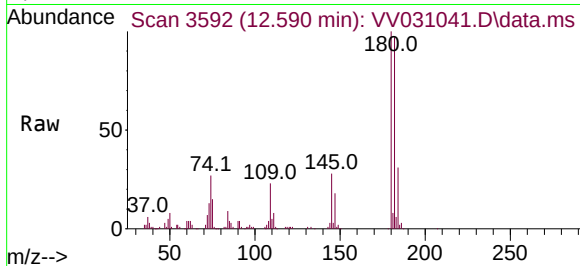




#69
 1,3,5-Trichlorobenzene
 Concen: 4.707 ug/L
 RT: 12.590 min Scan# 3592
 Delta R.T. 0.000 min
 Lab File: VV031041.D
 Acq: 16 May 2023 09:53

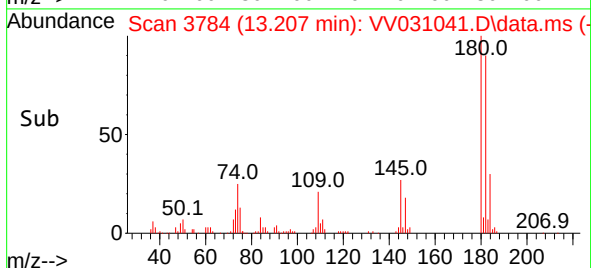
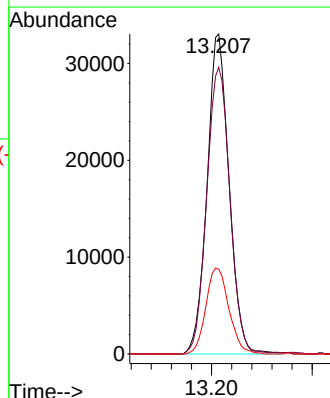
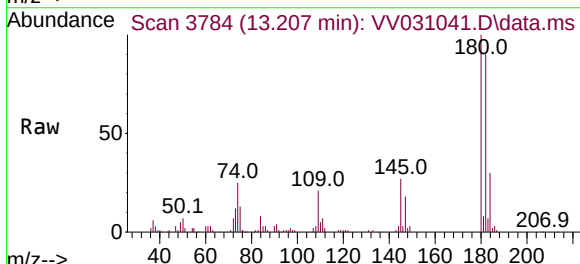
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005350

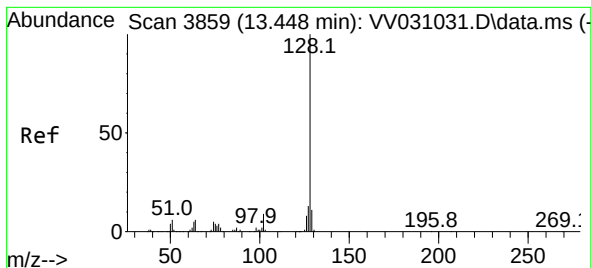
Tgt Ion:180	Resp:	66449
Ion Ratio	Lower	Upper
180	100	
182	93.1	75.1 112.7
184	31.0	24.1 36.1
145	27.4	23.4 35.2



#70
 1,2,4-trichlorobenzene
 Concen: 4.622 ug/L
 RT: 13.207 min Scan# 3784
 Delta R.T. 0.000 min
 Lab File: VV031041.D
 Acq: 16 May 2023 09:53

Tgt Ion:180	Resp:	50140
Ion Ratio	Lower	Upper
180	100	
182	94.3	76.0 114.0
145	28.1	22.9 34.3





#71

Naphthalene

Concen: 3.984 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. 0.000 min

Lab File: VV031041.D

Acq: 16 May 2023 09:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD005350

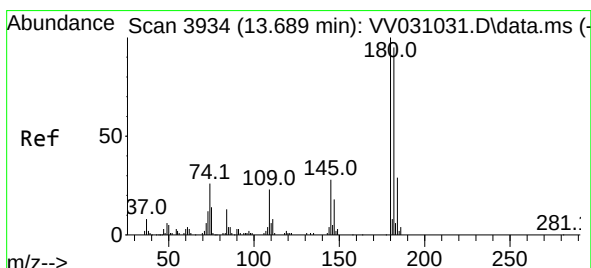
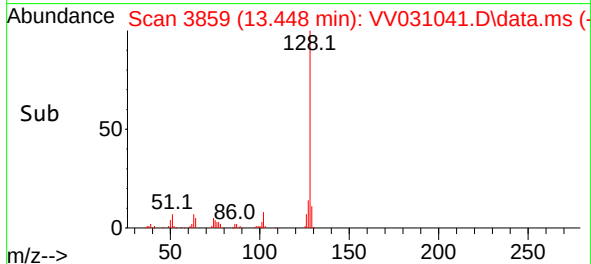
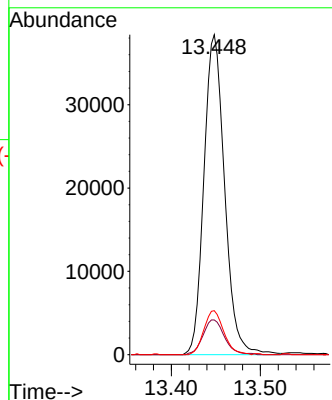
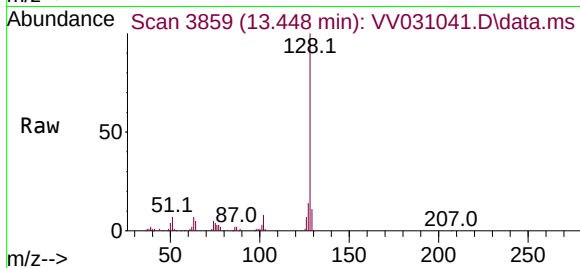
Tgt Ion:128 Resp: 61967

Ion Ratio Lower Upper

128 100

129 11.3 8.6 13.0

127 13.3 10.6 16.0



#72

1,2,3-Trichlorobenzene

Concen: 4.619 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. 0.000 min

Lab File: VV031041.D

Acq: 16 May 2023 09:53

Tgt Ion:180 Resp: 42409

Ion Ratio Lower Upper

180 100

182 95.1 77.3 115.9

145 29.7 24.7 37.1

