

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041223\
 Data File : VW030511.D
 Acq On : 12 Apr 2023 10:23
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005330

Quant Time: Apr 13 02:37:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Apr 12 05:00:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	129128	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	126411	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	72492	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	34047	3.981	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.600%
7) Chloroethane-d5	1.535	69	31660	3.815	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.200%
11) 1,1-Dichloroethene-d2	2.063	63	90403	4.455	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.000%
20) 2-Butanone-d5	3.834	46	75287	34.059	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	68.120%
24) Chloroform-d	4.259	84	88188	4.260	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.200%
26) 1,2-Dichloroethane-d4	4.953	65	42745	4.377	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.600%
32) Benzene-d6	4.966	84	158114	4.439	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.800%
36) 1,2-Dichloropropane-d6	5.995	67	46560	4.175	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.400%
41) Toluene-d8	7.249	98	157193	4.805	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.200%
43) trans-1,3-Dichloroprop...	7.561	79	17921	4.268	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.400%
46) 2-Hexanone-d5	8.037	63	68182	40.410	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.820%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	34238	3.895	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	78.000%
66) 1,2-Dichlorobenzene-d4	11.570	152	55942	4.318	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	70566	4.299	ug/L	98
3) Chloromethane	1.214	50	82025	3.960	ug/L	99
5) Vinyl chloride	1.285	62	67571	4.475	ug/L	100
6) Bromomethane	1.490	94	23940	5.558	ug/L	98
8) Chloroethane	1.552	64	40818	4.719	ug/L	99
9) Trichlorofluoromethane	1.715	101	108597	4.933	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	58663	4.828	ug/L	98
12) 1,1-Dichloroethene	2.072	96	51431	4.767	ug/L	91
13) Acetone	2.166	43	33966	16.069	ug/L #	10
14) Carbon disulfide	2.243	76	159203	4.480	ug/L	100
15) Methyl Acetate	2.394	43	17342	4.591	ug/L	93
16) Methylene chloride	2.452	84	57061	4.471	ug/L	97
17) Methyl tert-butyl Ether	2.712	73	113306	4.958	ug/L	99
18) trans-1,2-Dichloroethene	2.699	96	52323	4.603	ug/L	98
19) 1,1-Dichloroethane	3.117	63	101960	4.627	ug/L	97
21) 2-Butanone	3.915	43	127726	48.008	ug/L	94
22) cis-1,2-Dichloroethene	3.825	96	55839	4.895	ug/L	94
23) Bromochloromethane	4.156	128	24823	4.659	ug/L	98
25) Chloroform	4.285	83	110607	4.967	ug/L	94

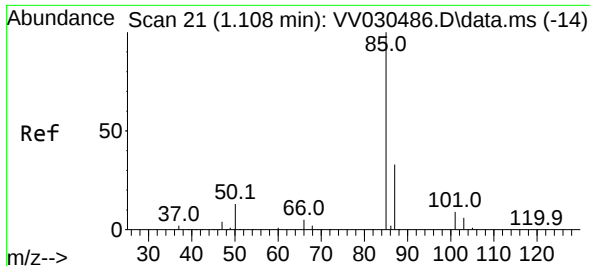
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 Data File : VW030511.D
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Apr 12 05:00:18 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	67187	4.990	ug/L	97
29) 1,1,1-Trichloroethane	4.519	97	99788	4.911	ug/L	99
30) Cyclohexane	4.590	56	85389	4.613	ug/L	100
31) Carbon tetrachloride	4.744	117	90073	4.886	ug/L	99
33) Benzene	5.018	78	218524	4.867	ug/L	100
34) Trichloroethene	5.838	95	58278	4.813	ug/L	98
35) Methylcyclohexane	6.056	83	91051	4.790	ug/L	98
37) 1,2-Dichloropropane	6.101	63	54996	4.771	ug/L	99
38) Bromodichloromethane	6.439	83	75341	4.991	ug/L	99
39) cis-1,3-Dichloropropene	6.963	75	76554	4.723	ug/L	99
40) 4-Methyl-2-pentanone	7.169	43	307300	50.593	ug/L	97
42) Toluene	7.323	91	242145	5.063	ug/L	100
44) trans-1,3-Dichloropropene	7.590	75	65119	4.722	ug/L	93
45) 1,1,2-Trichloroethane	7.776	97	38806	4.781	ug/L	98
47) Tetrachloroethene	7.911	164	51273	4.798	ug/L	97
48) 2-Hexanone	8.085	43	241387	53.064	ug/L	97
49) Dibromochloromethane	8.185	129	46289	4.791	ug/L	98
50) 1,2-Dibromoethane	8.291	107	35513	4.810	ug/L	96
51) Chlorobenzene	8.821	112	154257	5.038	ug/L	98
52) Ethylbenzene	8.953	91	258795	4.946	ug/L	98
53) m,p-Xylene	9.082	106	101688	5.077	ug/L	97
54) o-Xylene	9.487	106	97938	5.110	ug/L	97
55) Styrene	9.503	104	171830	5.279	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.188	83	42888	4.452	ug/L	99
59) Bromoform	9.673	173	29067	4.961	ug/L	99
60) Isopropylbenzene	9.876	105	259230	4.849	ug/L	100
61) 1,2,3-Trichloropropane	10.217	75	29846	4.605	ug/L	98
62) 1,3,5-Trimethylbenzene	10.484	105	210697	4.830	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	220480	4.959	ug/L	99
64) 1,3-Dichlorobenzene	11.127	146	133482	5.007	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	133080	4.955	ug/L	98
67) 1,2-Dichlorobenzene	11.586	146	118081	4.915	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.374	75	6835	4.240	ug/L	98
69) 1,3,5-Trichlorobenzene	12.593	180	103252	5.030	ug/L	100
70) 1,2,4-trichlorobenzene	13.207	180	79217	4.998	ug/L	99
71) Naphthalene	13.448	128	107248	4.738	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	67931	4.948	ug/L	100

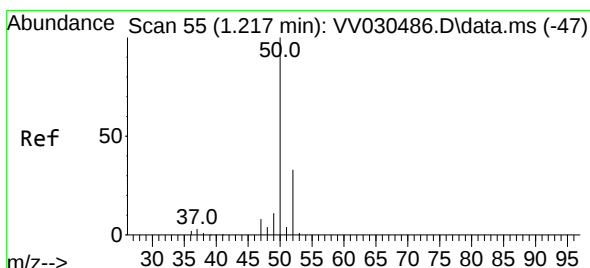
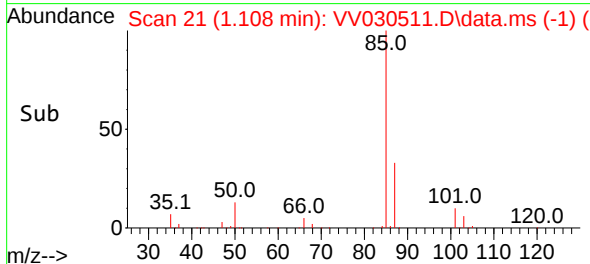
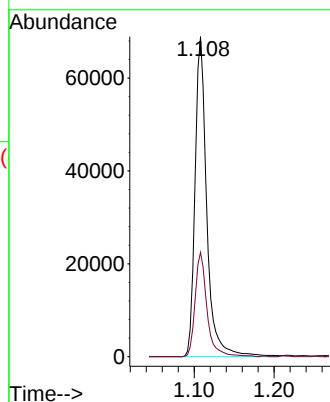
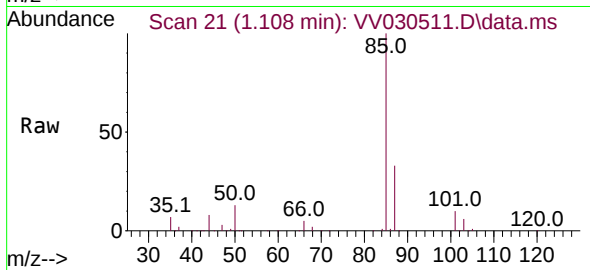
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.299 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV030511.D
 Acq: 12 Apr 2023 10:23

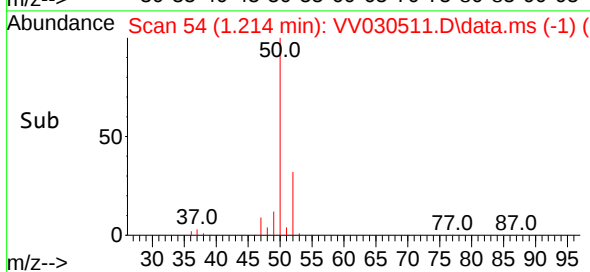
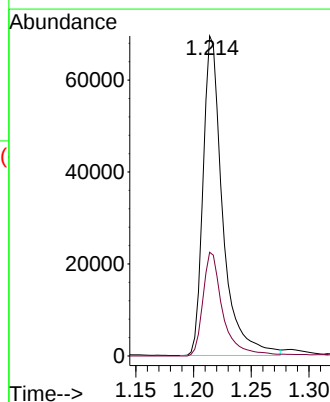
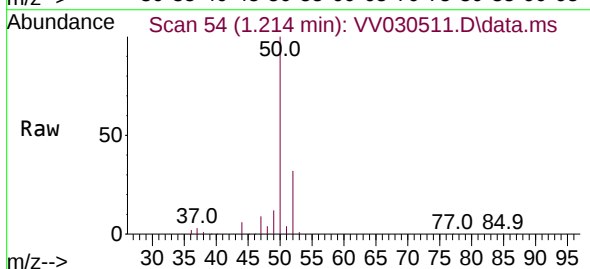
Instrument :
 MSVOA_V
 ClientSampleId :
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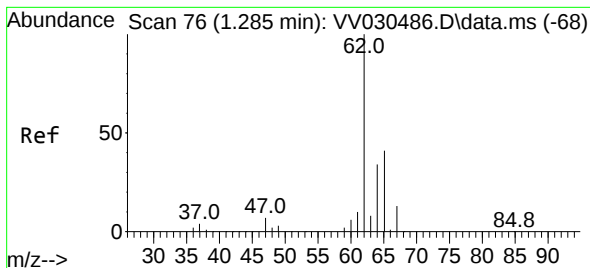
Tgt Ion: 85 Resp: 70566
 Ion Ratio Lower Upper
 85 100
 87 33.0 25.6 38.4



#3
 Chloromethane
 Concen: 3.960 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.003 min
 Lab File: VV030511.D
 Acq: 12 Apr 2023 10:23

Tgt Ion: 50 Resp: 82025
 Ion Ratio Lower Upper
 50 100
 52 32.4 22.3 41.5





#5

Vinyl chloride

Concen: 4.475 ug/L

RT: 1.285 min Scan# 76

Delta R.T. -0.000 min

Lab File: VV030511.D

Acq: 12 Apr 2023 10:23

Instrument :

MSVOA_V

ClientSampleId :

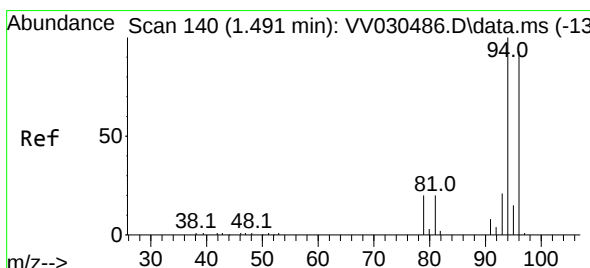
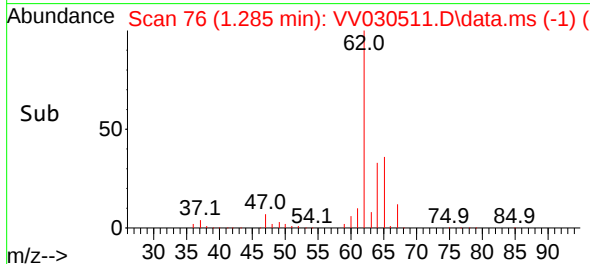
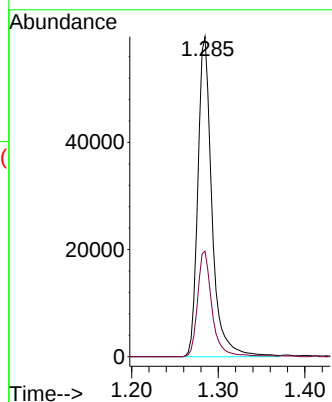
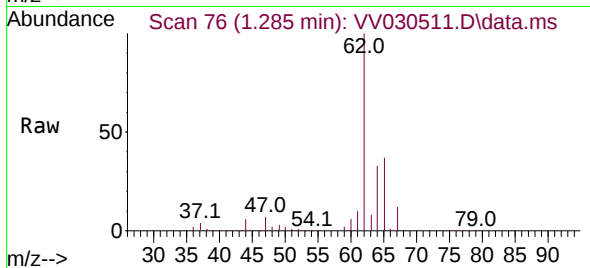
VSTD005330

Tgt Ion: 62 Resp: 67571

Ion Ratio Lower Upper

62 100

64 33.0 23.2 43.2



#6

Bromomethane

Concen: 5.558 ug/L

RT: 1.490 min Scan# 140

Delta R.T. -0.000 min

Lab File: VV030511.D

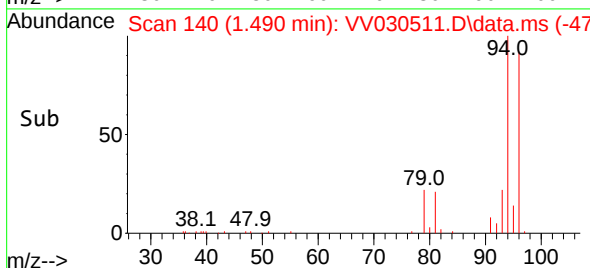
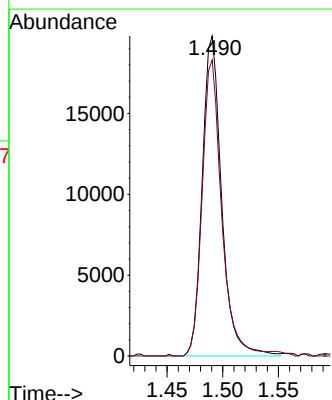
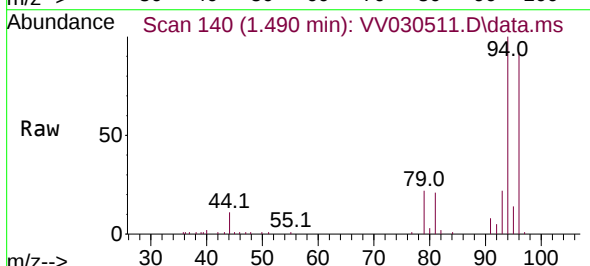
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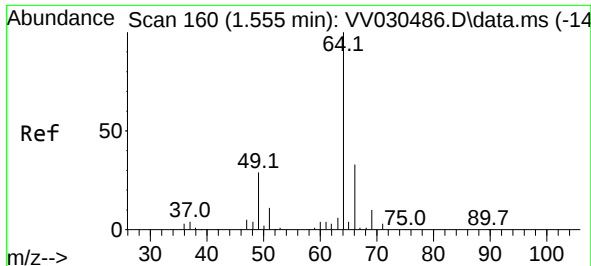
Tgt Ion: 94 Resp: 23940

Ion Ratio Lower Upper

94 100

96 92.5 66.1 122.7

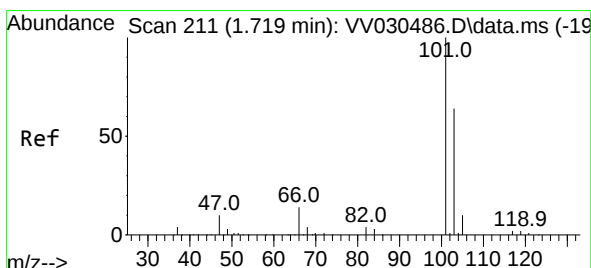
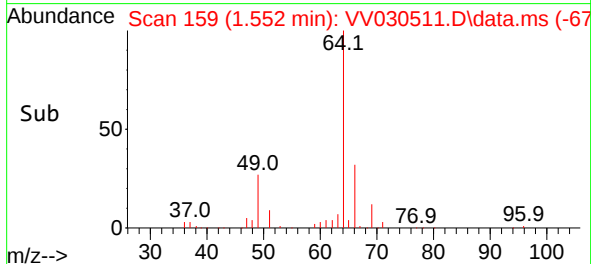
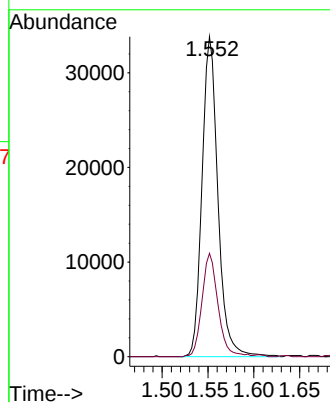
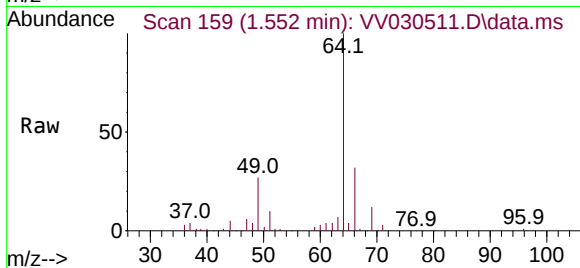




#8
Chloroethane
Concen: 4.719 ug/L
RT: 1.552 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV030511.D
Acq: 12 Apr 2023 10:23

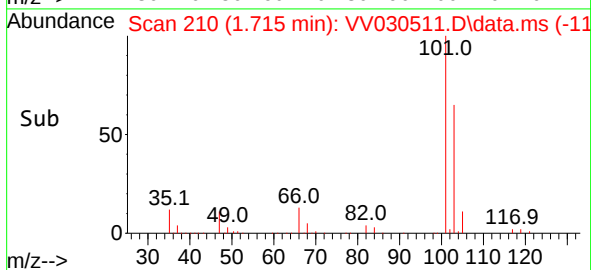
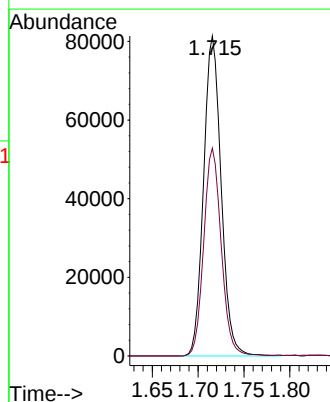
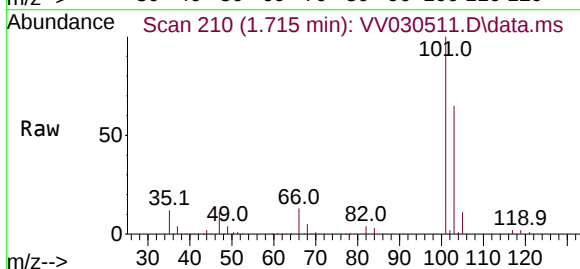
Instrument :
MSVOA_V
ClientSampleId :
VSTD005330

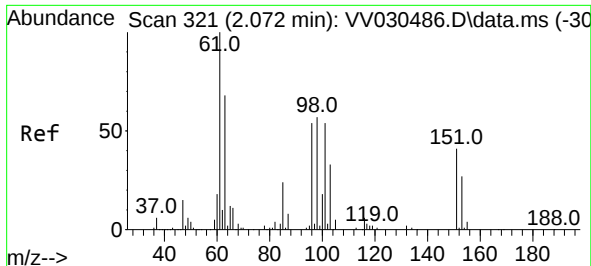
Tgt Ion: 64 Resp: 40818
Ion Ratio Lower Upper
64 100
66 32.3 23.0 42.8



#9
Trichlorofluoromethane
Concen: 4.933 ug/L
RT: 1.715 min Scan# 210
Delta R.T. -0.003 min
Lab File: VV030511.D
Acq: 12 Apr 2023 10:23

Tgt Ion:101 Resp: 108597
Ion Ratio Lower Upper
101 100
103 64.6 51.0 76.6

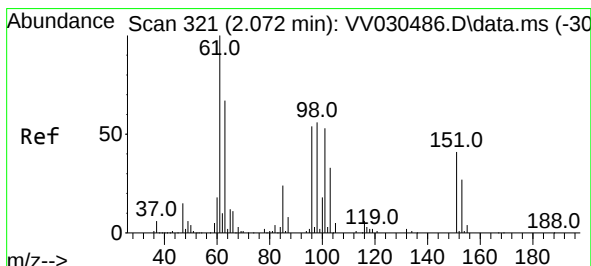
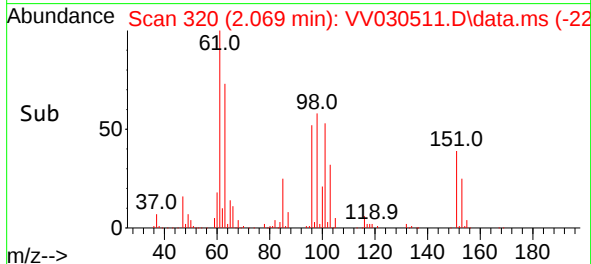
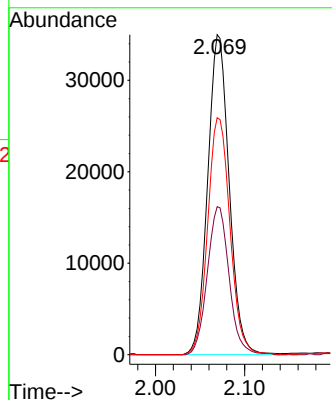
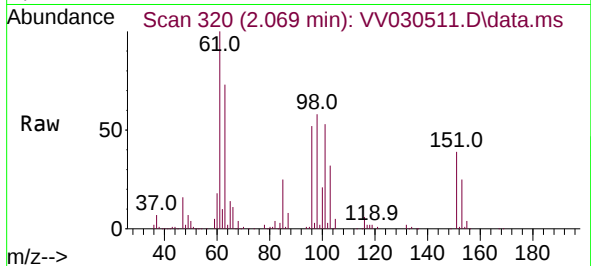




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.828 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VV030511.D
 Acq: 12 Apr 2023 10:23

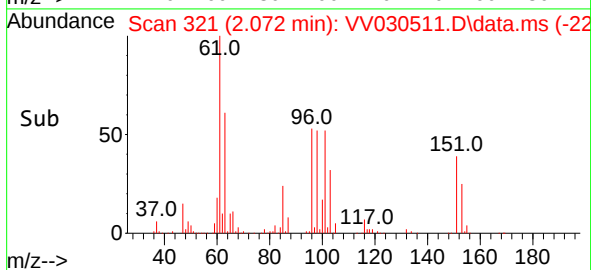
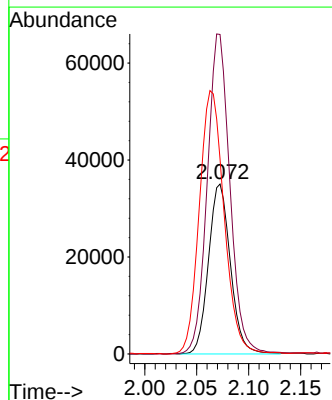
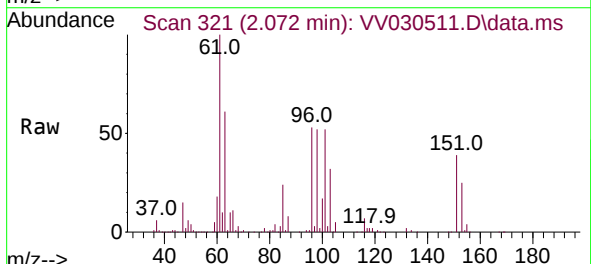
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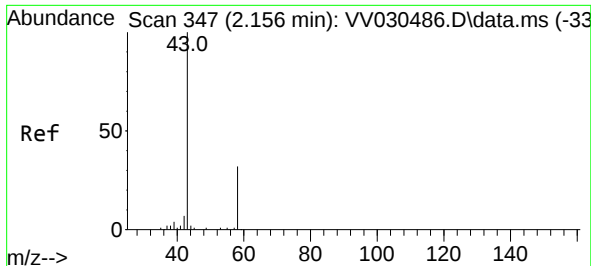
Tgt Ion:101 Resp: 58663
 Ion Ratio Lower Upper
 101 100
 85 46.9 38.1 57.1
 151 76.8 62.7 94.1



#12
 1,1-Dichloroethene
 Concen: 4.767 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. -0.000 min
 Lab File: VV030511.D
 Acq: 12 Apr 2023 10:23

Tgt Ion: 96 Resp: 51431
 Ion Ratio Lower Upper
 96 100
 61 187.9 136.3 253.1
 63 114.6 92.1 171.1





#13

Acetone

Concen: 16.069 ug/L

RT: 2.166 min Scan# 3

Delta R.T. 0.010 min

Lab File: VV030511.D

Acq: 12 Apr 2023 10:23

Instrument :

MSVOA_V

ClientSampleId :

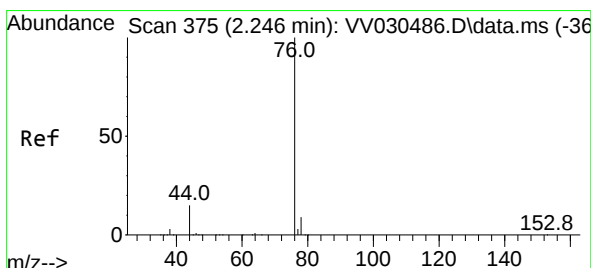
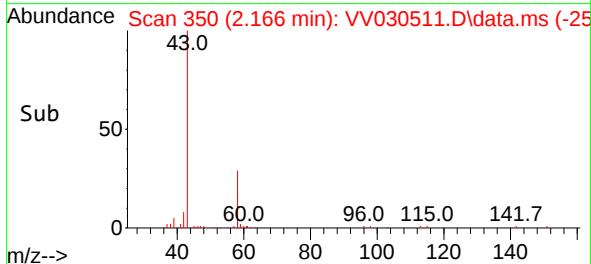
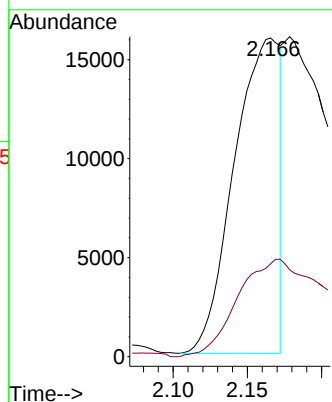
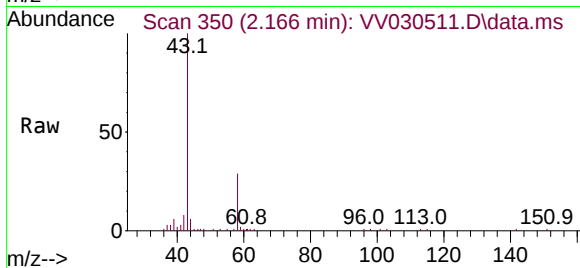
VSTD005330

Tgt Ion: 43 Resp: 33966

Ion Ratio Lower Upper

43 100

58 61.9 0.0 40.8#



#14

Carbon disulfide

Concen: 4.480 ug/L

RT: 2.243 min Scan# 374

Delta R.T. -0.003 min

Lab File: VV030511.D

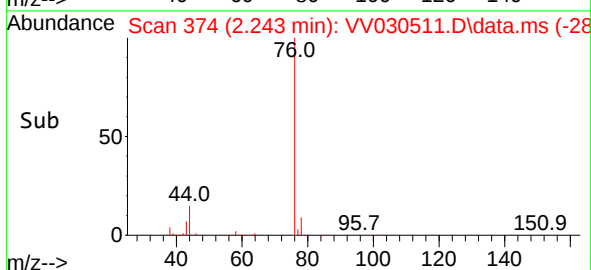
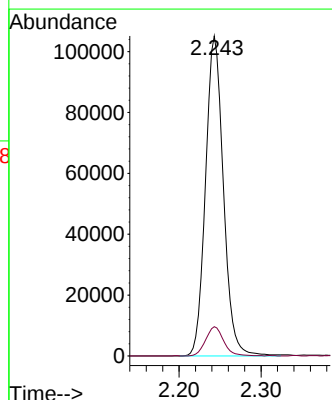
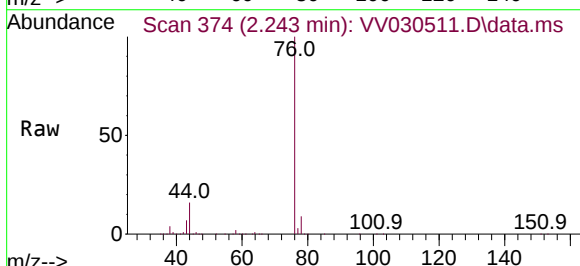
Acq: 12 Apr 2023 10:23

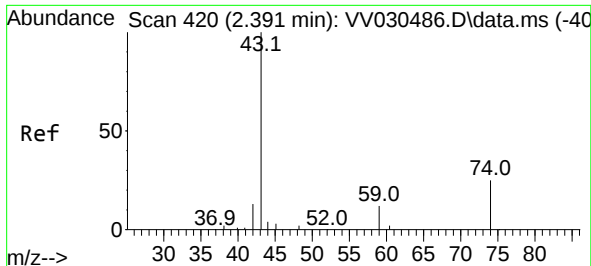
Tgt Ion: 76 Resp: 159203

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

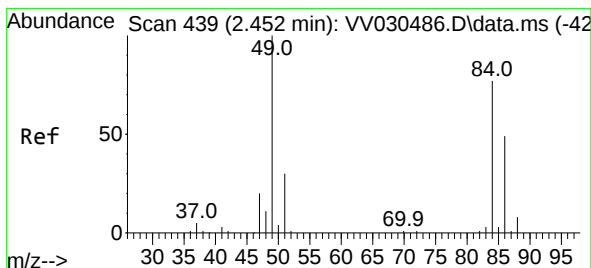
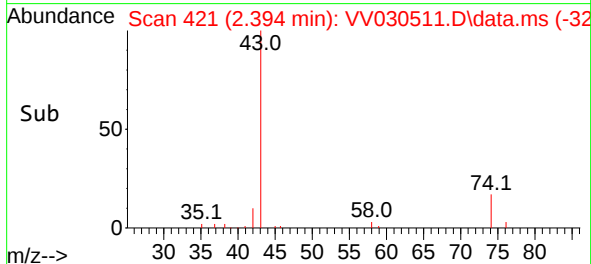
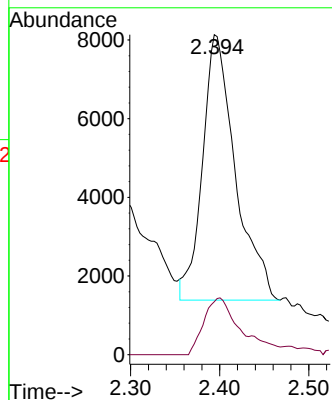
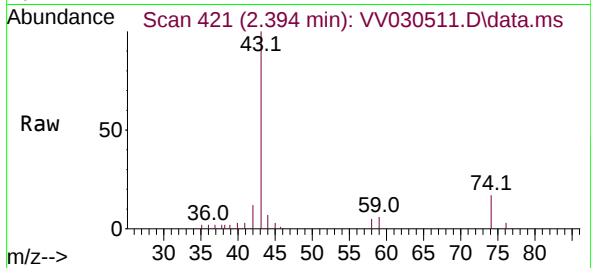




#15
Methyl Acetate
Concen: 4.591 ug/L
RT: 2.394 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV030511.D
Acq: 12 Apr 2023 10:23

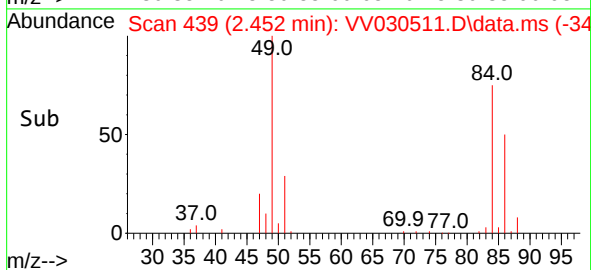
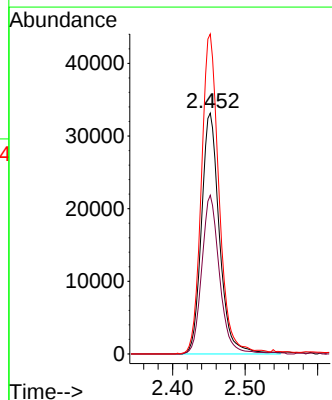
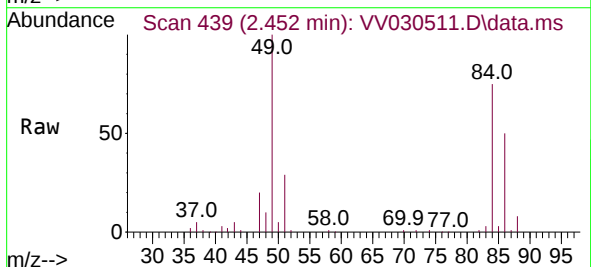
Instrument :
MSVOA_V
ClientSampleId :
VSTD005330

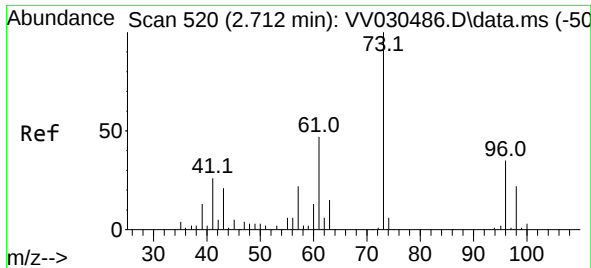
Tgt Ion: 43 Resp: 17342
Ion Ratio Lower Upper
43 100
74 24.2 22.1 33.1



#16
Methylene chloride
Concen: 4.471 ug/L
RT: 2.452 min Scan# 439
Delta R.T. -0.000 min
Lab File: VV030511.D
Acq: 12 Apr 2023 10:23

Tgt Ion: 84 Resp: 57061
Ion Ratio Lower Upper
84 100
86 65.9 44.0 81.6
49 132.9 90.6 168.3

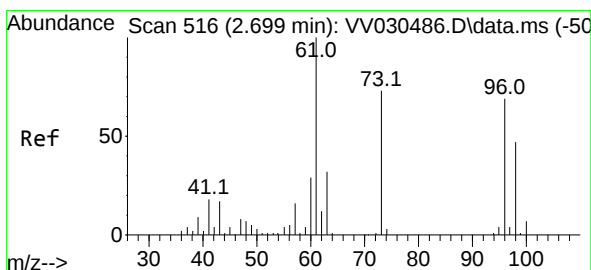
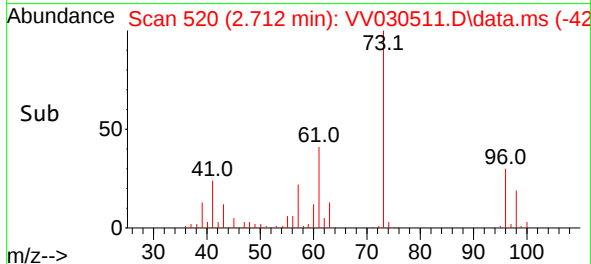
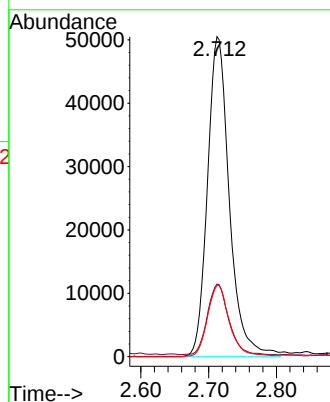
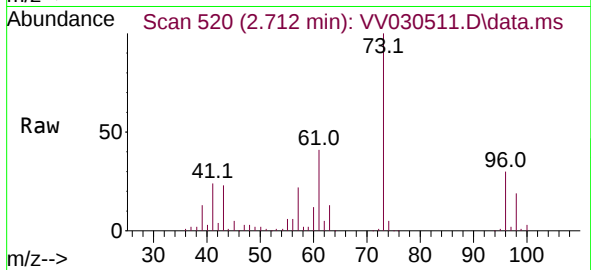




#17
Methyl tert-butyl Ether
Concen: 4.958 ug/L
RT: 2.712 min Scan# 516
Delta R.T. -0.000 min
Lab File: VV030511.D
Acq: 12 Apr 2023 10:23

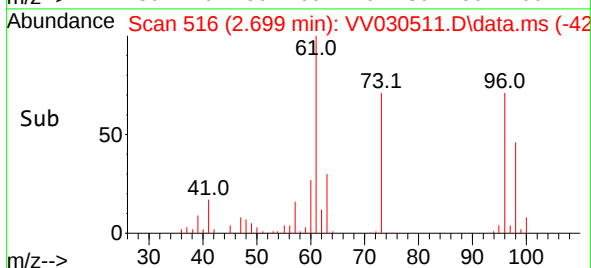
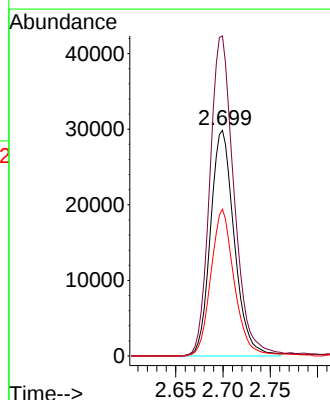
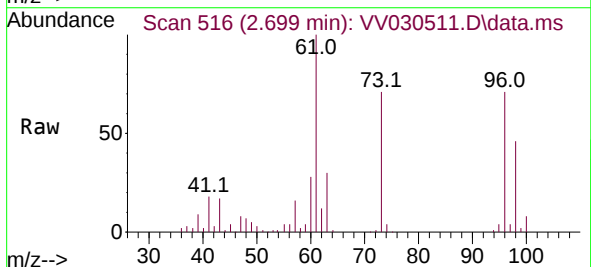
Instrument :
MSVOA_V
ClientSampleId :
VSTD005330

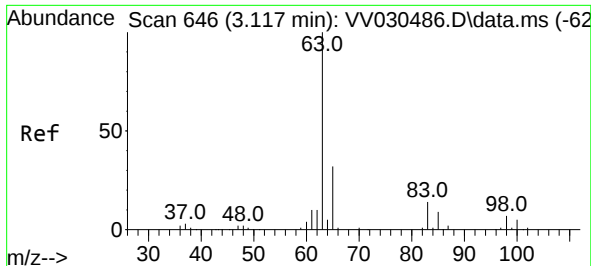
Tgt Ion: 73	Resp: 113306
Ion Ratio	Lower Upper
73 100	
43 21.5	17.4 26.2
57 22.3	18.3 27.5



#18
trans-1,2-Dichloroethene
Concen: 4.603 ug/L
RT: 2.699 min Scan# 516
Delta R.T. -0.000 min
Lab File: VV030511.D
Acq: 12 Apr 2023 10:23

Tgt Ion: 96	Resp: 52323
Ion Ratio	Lower Upper
96 100	
61 141.7	101.7 188.9
98 65.0	45.8 85.2





#19

1,1-Dichloroethane

Concen: 4.627 ug/L

RT: 3.117 min Scan# 64

Delta R.T. -0.000 min

Lab File: VV030511.D

Acq: 12 Apr 2023 10:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD005330

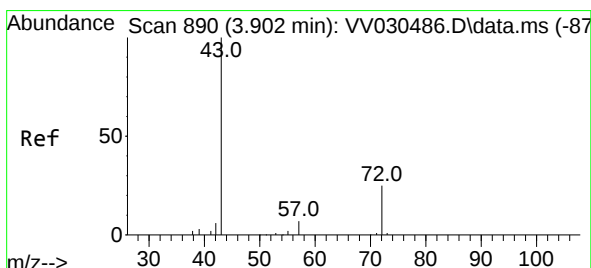
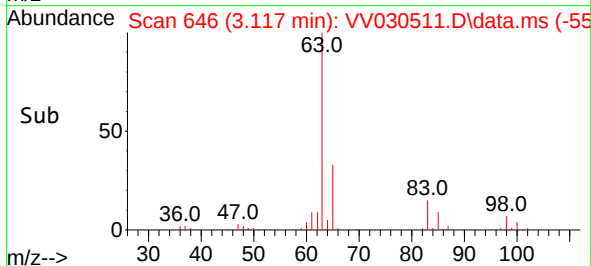
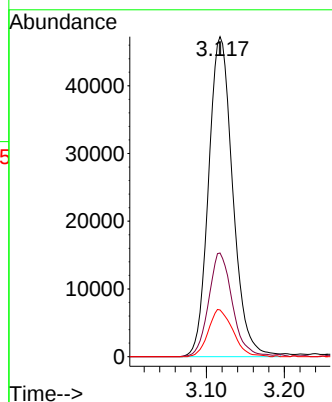
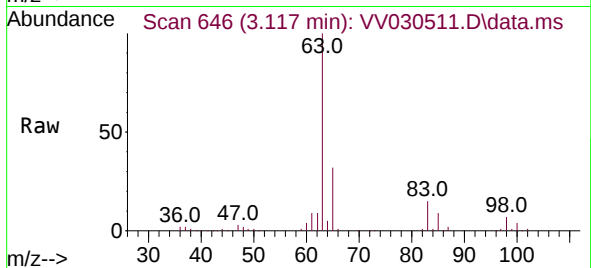
Tgt Ion: 63 Resp: 101960

Ion Ratio Lower Upper

63 100

65 32.4 21.7 40.3

83 14.6 9.1 16.9



#21

2-Butanone

Concen: 48.008 ug/L

RT: 3.915 min Scan# 894

Delta R.T. 0.013 min

Lab File: VV030511.D

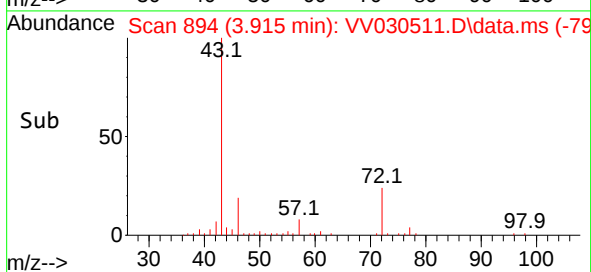
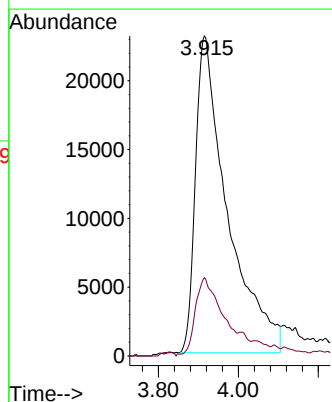
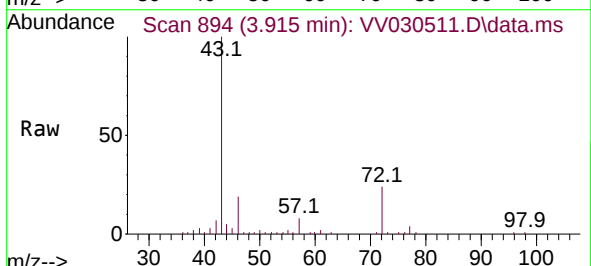
Acq: 12 Apr 2023 10:23

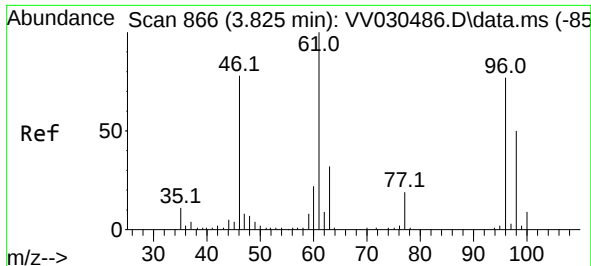
Tgt Ion: 43 Resp: 127726

Ion Ratio Lower Upper

43 100

72 19.4 11.2 33.5

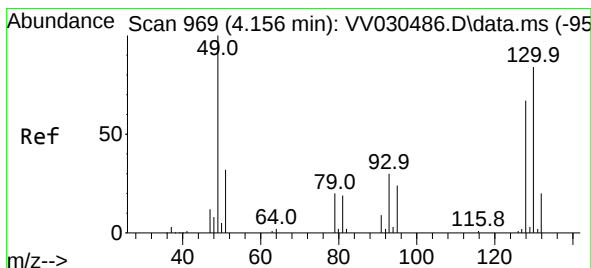
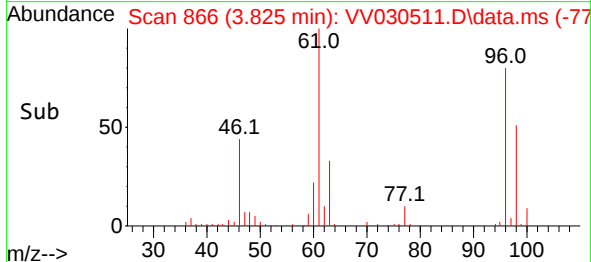
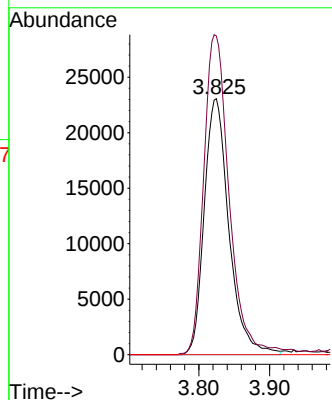
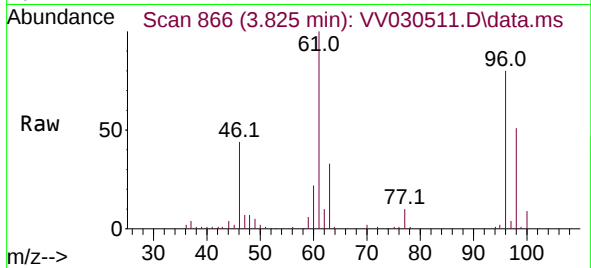




#22
 cis-1,2-Dichloroethene
 Concen: 4.895 ug/L
 RT: 3.825 min Scan# 866
 Delta R.T. -0.000 min
 Lab File: VV030511.D
 Acq: 12 Apr 2023 10:23

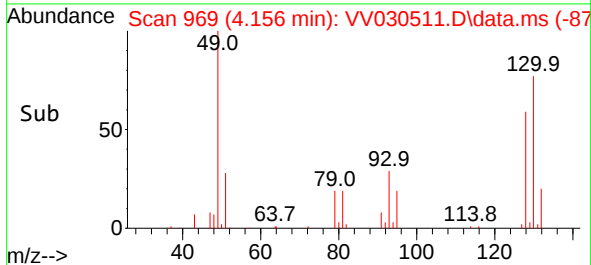
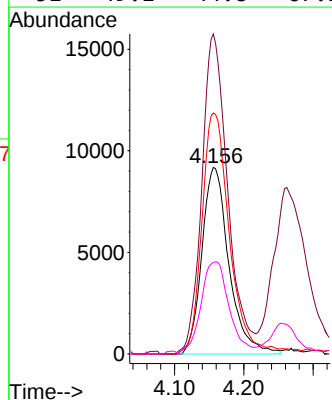
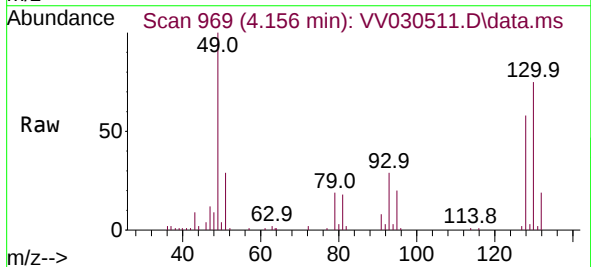
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005330

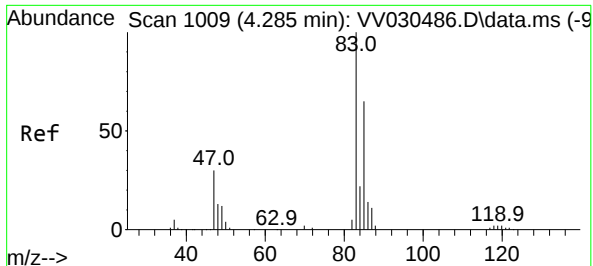
Tgt Ion: 96 Resp: 55839
 Ion Ratio Lower Upper
 96 100
 61 124.5 92.0 170.8
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 4.659 ug/L
 RT: 4.156 min Scan# 969
 Delta R.T. -0.000 min
 Lab File: VV030511.D
 Acq: 12 Apr 2023 10:23

Tgt Ion: 128 Resp: 24823
 Ion Ratio Lower Upper
 128 100
 49 171.6 119.4 221.8
 130 129.2 89.2 165.8
 51 49.1 44.8 67.2





#25

Chloroform

Concen: 4.967 ug/L

RT: 4.285 min Scan# 1009

Delta R.T. -0.000 min

Lab File: VV030511.D

Acq: 12 Apr 2023 10:23

Instrument :

MSVOA_V

ClientSampleId :

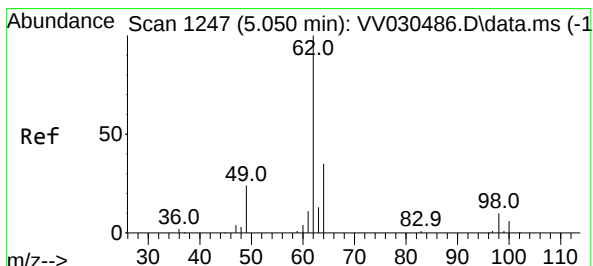
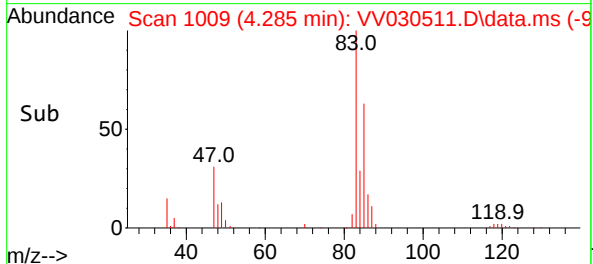
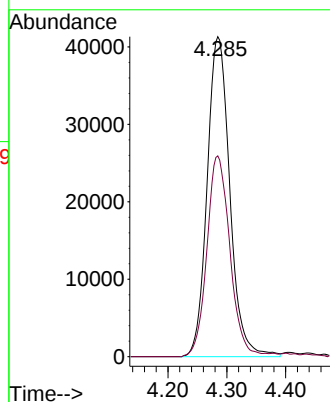
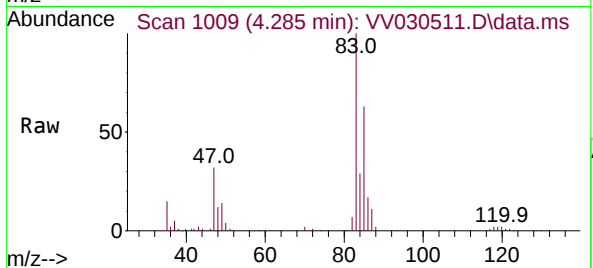
VSTD005330

Tgt Ion: 83 Resp: 110607

Ion Ratio Lower Upper

83 100

85 62.8 47.6 88.4



#27

1,2-Dichloroethane

Concen: 4.990 ug/L

RT: 5.050 min Scan# 1247

Delta R.T. -0.000 min

Lab File: VV030511.D

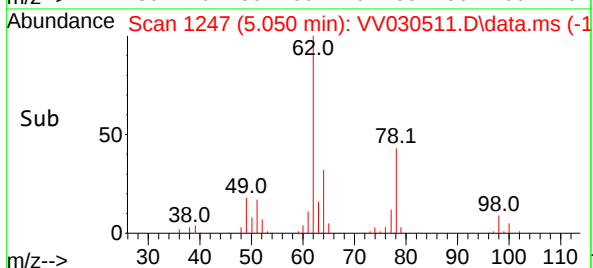
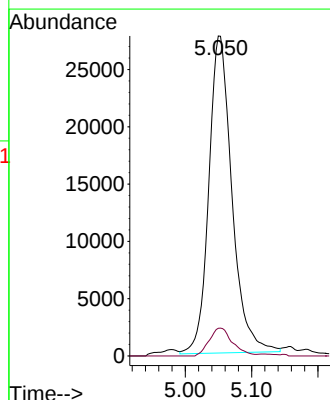
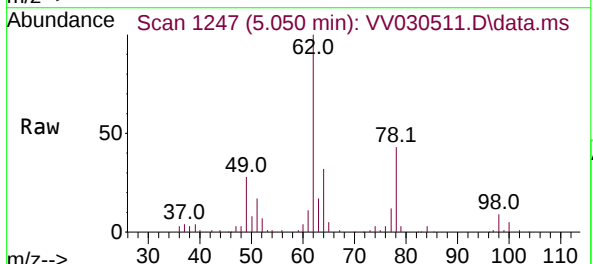
Acq: 12 Apr 2023 10:23

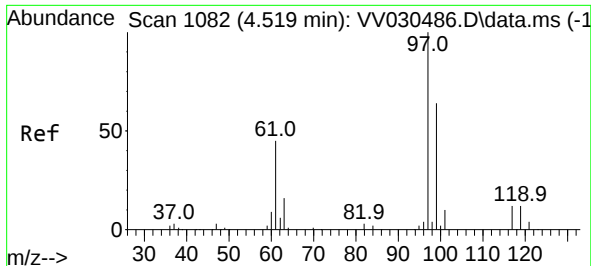
Tgt Ion: 62 Resp: 67187

Ion Ratio Lower Upper

62 100

98 8.7 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 4.911 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. -0.000 min

Lab File: VV030511.D

Acq: 12 Apr 2023 10:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD005330

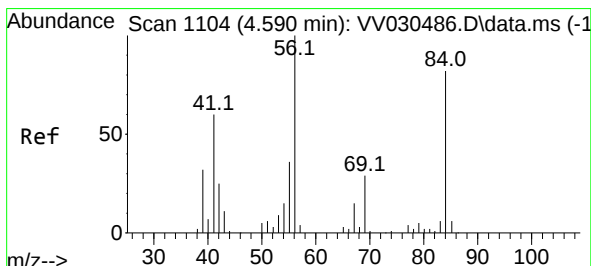
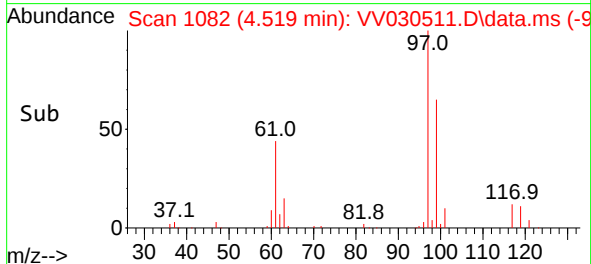
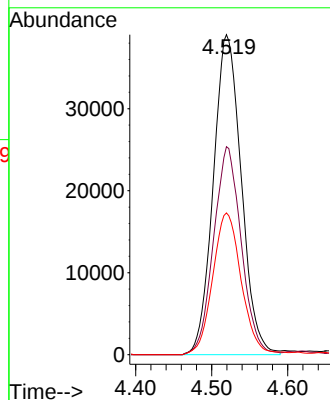
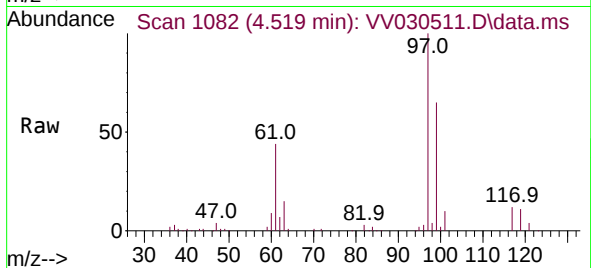
Tgt Ion: 97 Resp: 99788

Ion Ratio Lower Upper

97 100

99 64.2 50.9 76.3

61 45.4 35.9 53.9



#30

Cyclohexane

Concen: 4.613 ug/L

RT: 4.590 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VV030511.D

Acq: 12 Apr 2023 10:23

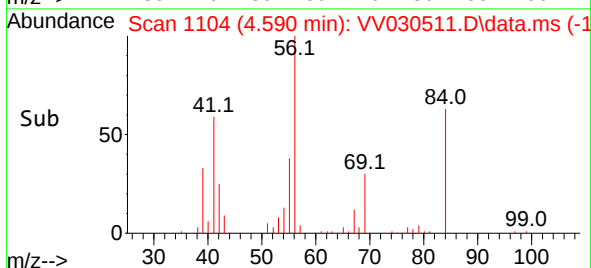
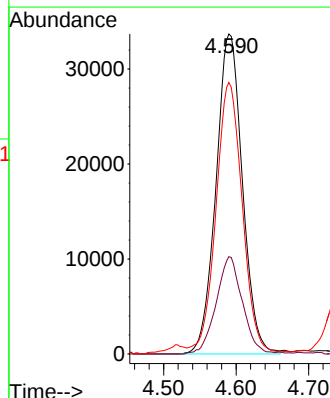
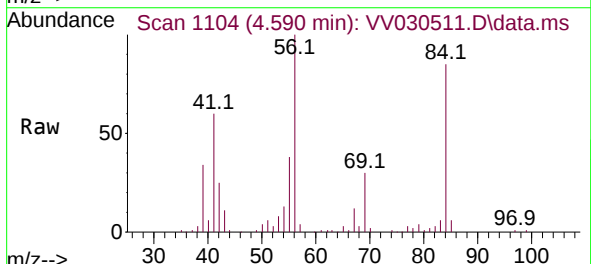
Tgt Ion: 56 Resp: 85389

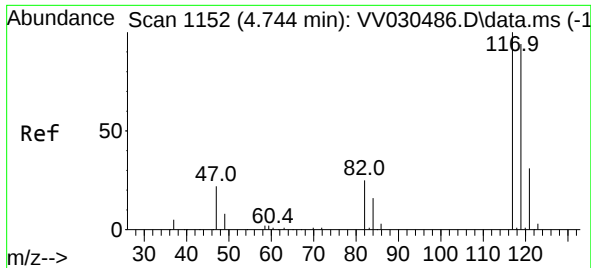
Ion Ratio Lower Upper

56 100

69 30.1 24.2 36.2

84 83.5 66.6 100.0

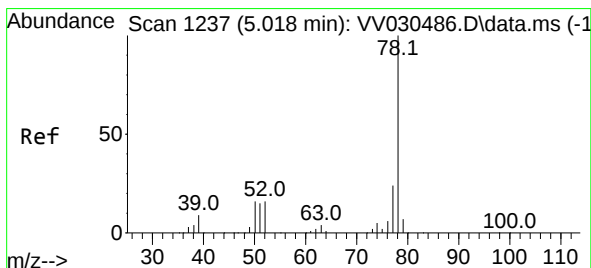
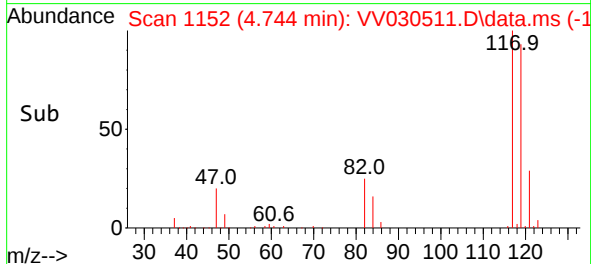
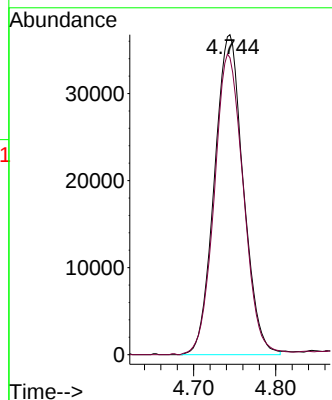
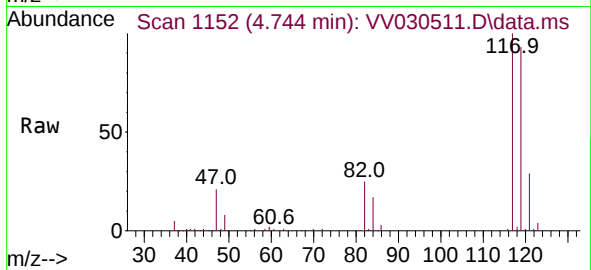




#31
Carbon tetrachloride
Concen: 4.886 ug/L
RT: 4.744 min Scan# 1152
Delta R.T. -0.000 min
Lab File: VV030511.D
Acq: 12 Apr 2023 10:23

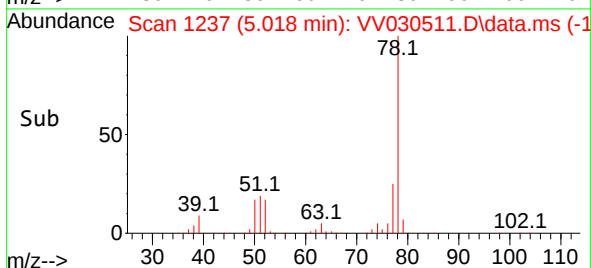
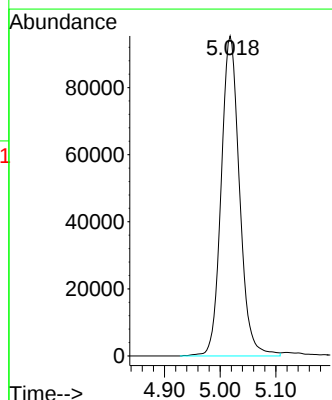
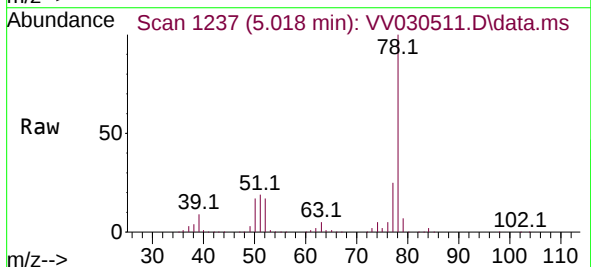
Instrument :
MSVOA_V
ClientSampleId :
VSTD005330

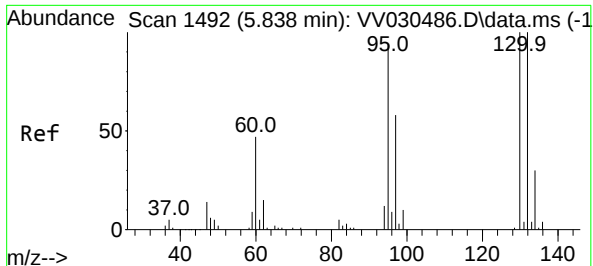
Tgt Ion:117 Resp: 90073
Ion Ratio Lower Upper
117 100
119 94.6 76.2 114.4



#33
Benzene
Concen: 4.867 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. -0.000 min
Lab File: VV030511.D
Acq: 12 Apr 2023 10:23

Tgt Ion: 78 Resp: 218524



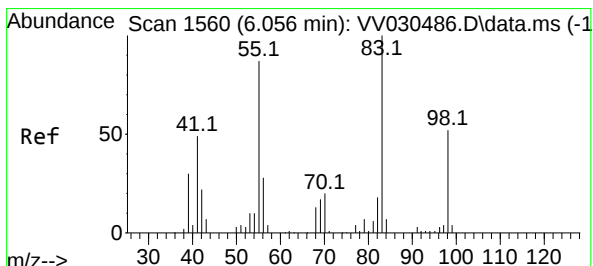
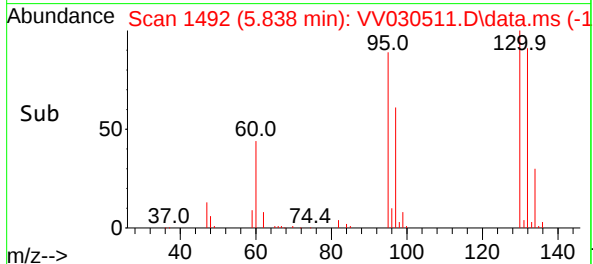
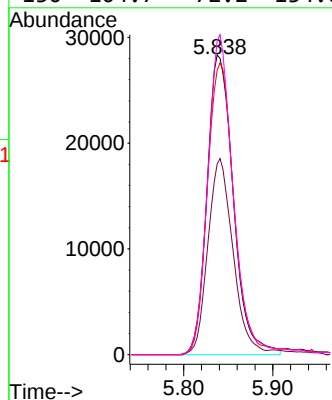
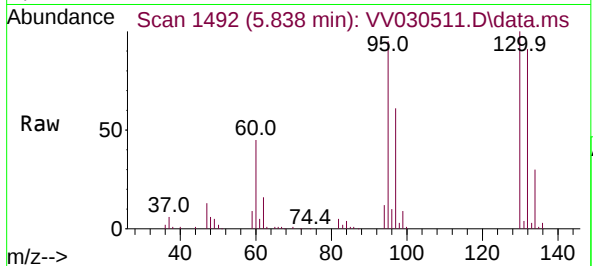


#34
Trichloroethene
Concen: 4.813 ug/L
RT: 5.838 min Scan# 1492
Delta R.T. -0.000 min
Lab File: VV030511.D
Acq: 12 Apr 2023 10:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD005330

Tgt Ion: 95 Resp: 58278

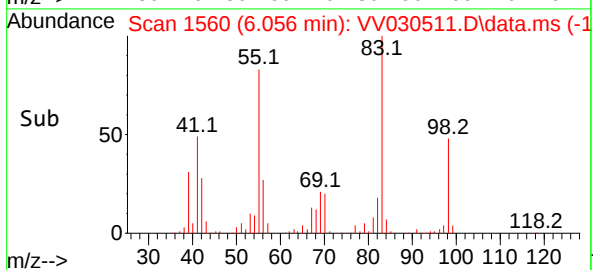
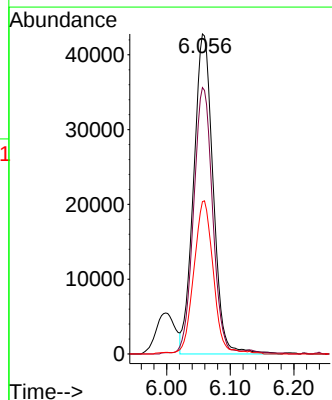
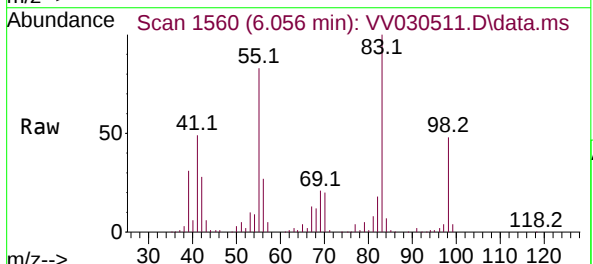
Ion	Ratio	Lower	Upper
95	100		
97	63.7	44.2	82.2
132	94.9	69.5	129.1
130	104.7	72.2	134.0

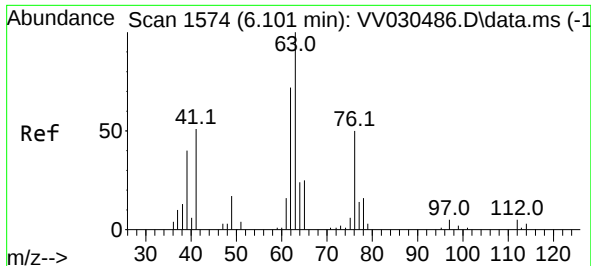


#35
Methylcyclohexane
Concen: 4.790 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. -0.000 min
Lab File: VV030511.D
Acq: 12 Apr 2023 10:23

Tgt Ion: 83 Resp: 91051

Ion	Ratio	Lower	Upper
83	100		
55	81.3	66.6	100.0
98	47.9	38.6	58.0

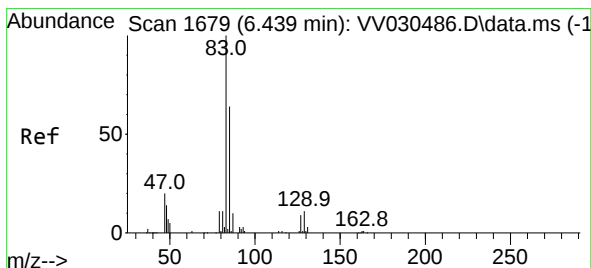
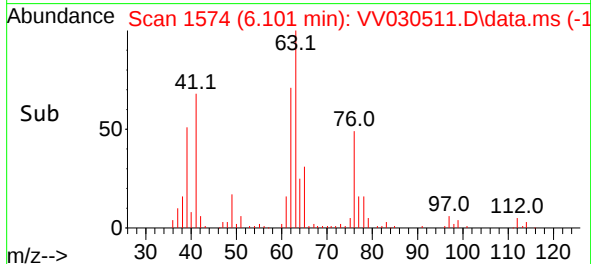
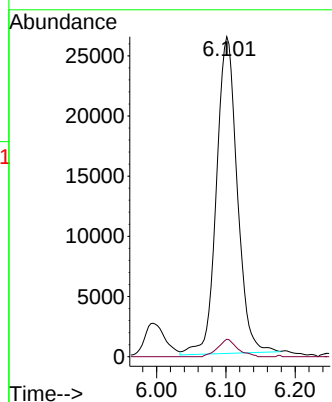
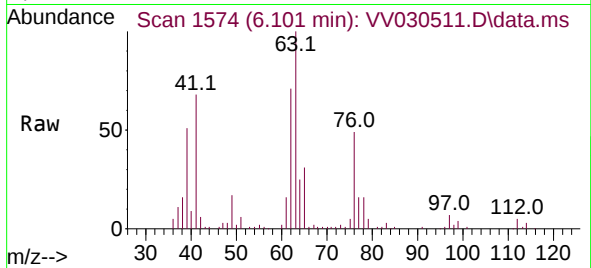




#37
1,2-Dichloropropane
Concen: 4.771 ug/L
RT: 6.101 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV030511.D
Acq: 12 Apr 2023 10:23

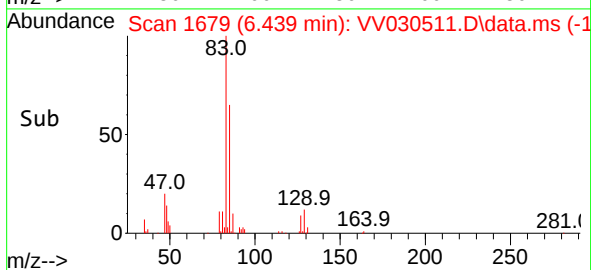
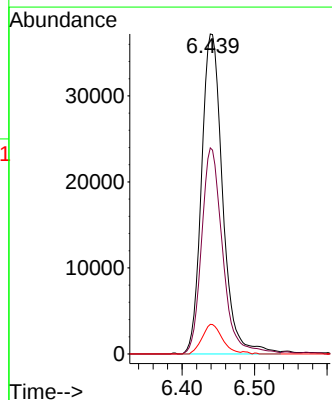
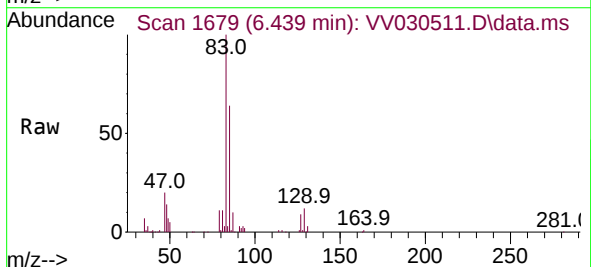
Instrument :
MSVOA_V
ClientSampleId :
VSTD005330

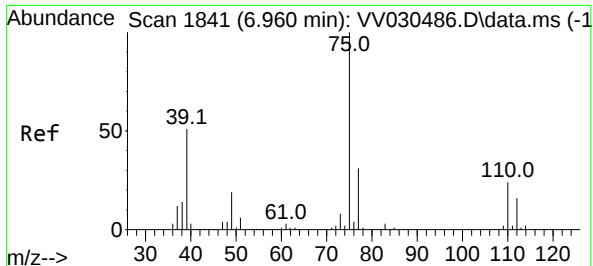
Tgt Ion: 63 Resp: 54996
Ion Ratio Lower Upper
63 100
112 5.2 3.9 5.9



#38
Bromodichloromethane
Concen: 4.991 ug/L
RT: 6.439 min Scan# 1679
Delta R.T. -0.000 min
Lab File: VV030511.D
Acq: 12 Apr 2023 10:23

Tgt Ion: 83 Resp: 75341
Ion Ratio Lower Upper
83 100
85 64.4 45.3 84.1
127 9.3 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 4.723 ug/L

RT: 6.963 min Scan# 1841

Delta R.T. 0.003 min

Lab File: VV030511.D

Acq: 12 Apr 2023 10:23

Instrument :

MSVOA_V

ClientSampleId :

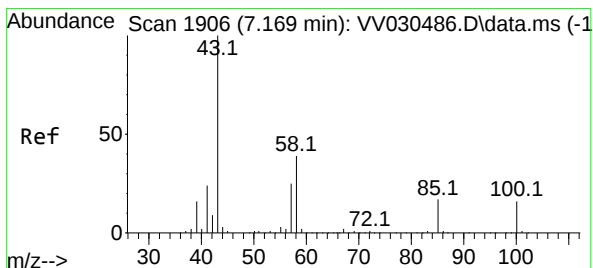
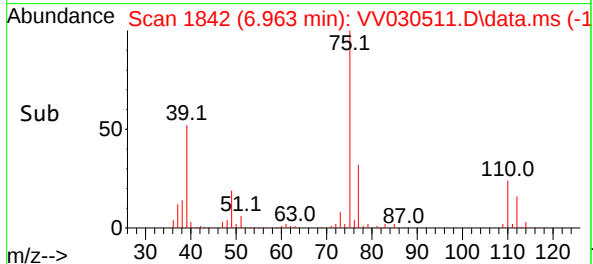
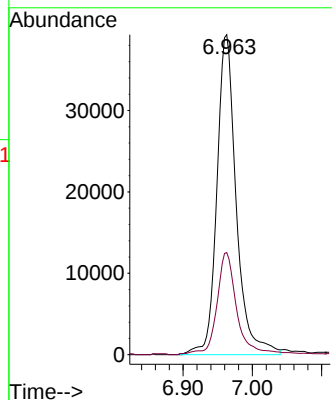
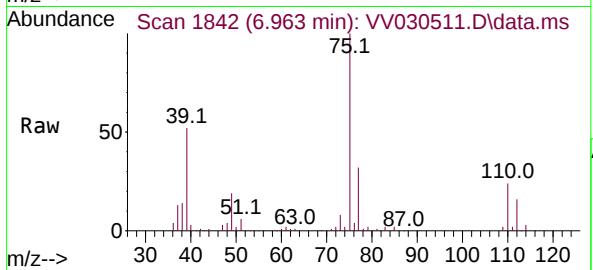
VSTD005330

Tgt Ion: 75 Resp: 76554

Ion Ratio Lower Upper

75 100

77 31.9 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 50.593 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. -0.000 min

Lab File: VV030511.D

Acq: 12 Apr 2023 10:23

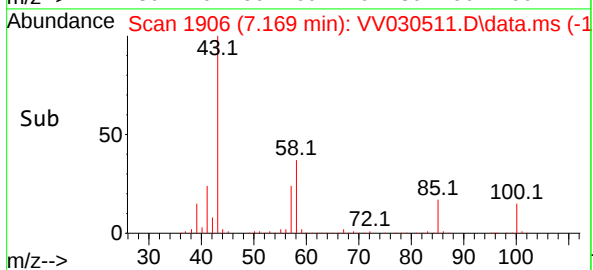
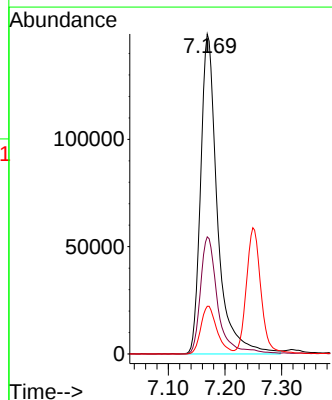
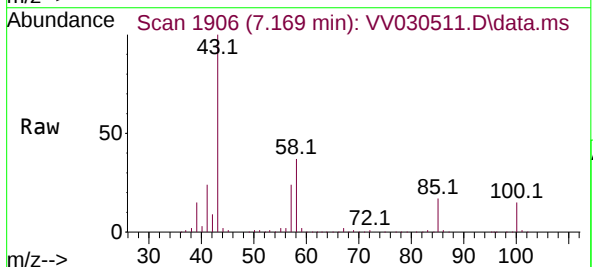
Tgt Ion: 43 Resp: 307300

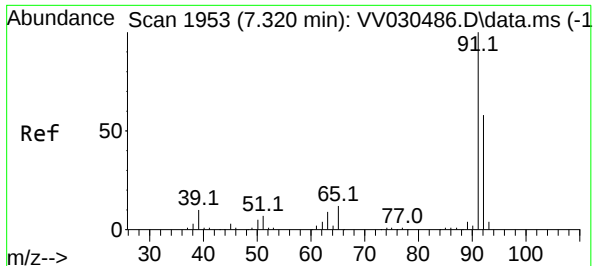
Ion Ratio Lower Upper

43 100

58 37.7 28.8 43.2

100 14.3 10.7 16.1





#42

Toluene

Concen: 5.063 ug/L

RT: 7.323 min Scan# 1953

Delta R.T. 0.003 min

Lab File: VV030511.D

Acq: 12 Apr 2023 10:23

Instrument :

MSVOA_V

ClientSampleId :

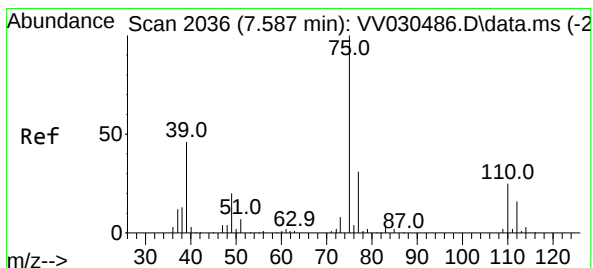
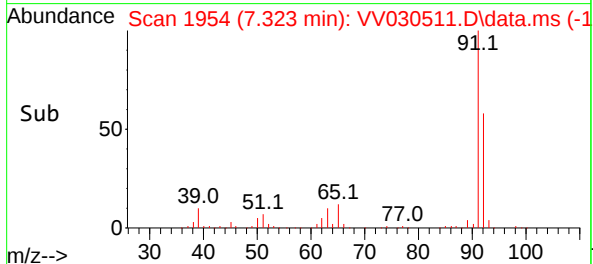
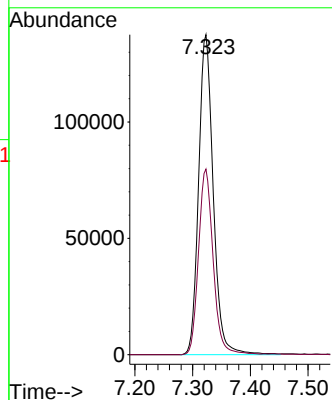
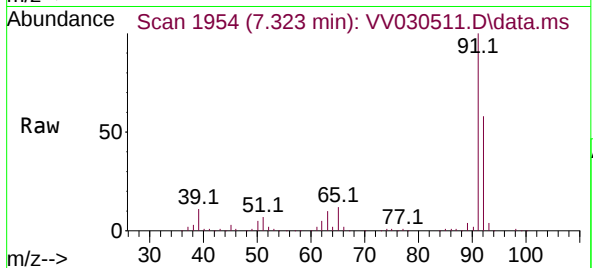
VSTD005330

Tgt Ion: 91 Resp: 242145

Ion Ratio Lower Upper

91 100

92 58.0 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 4.722 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.003 min

Lab File: VV030511.D

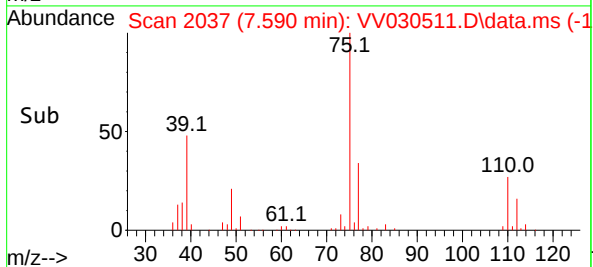
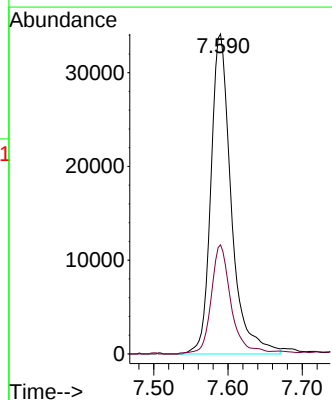
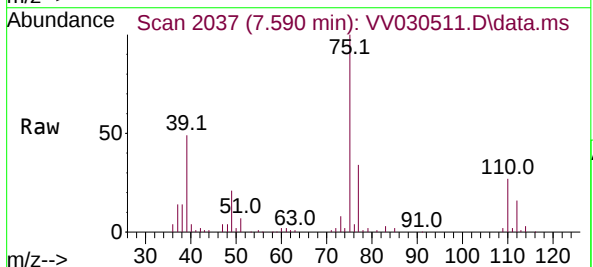
Acq: 12 Apr 2023 10:23

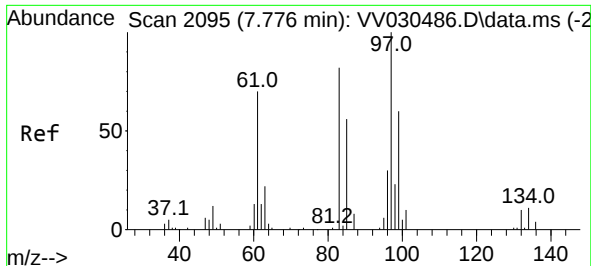
Tgt Ion: 75 Resp: 65119

Ion Ratio Lower Upper

75 100

77 34.1 21.2 39.4

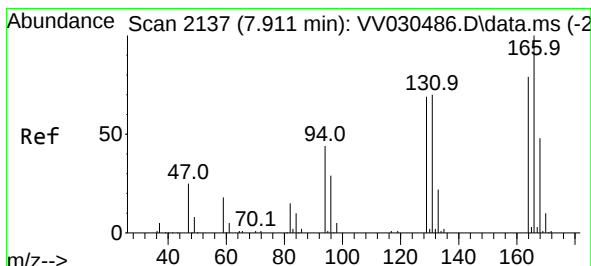
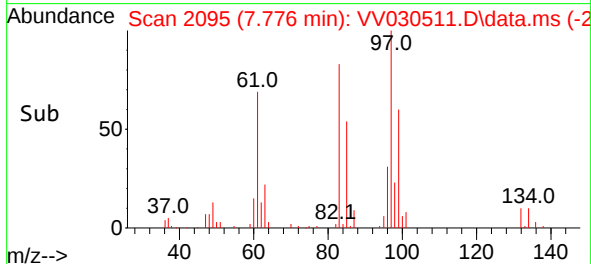
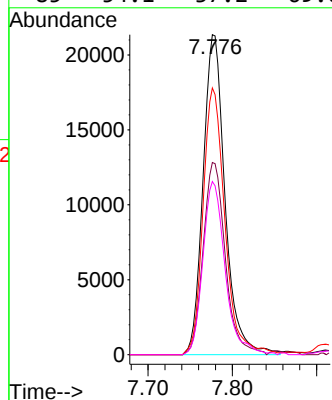
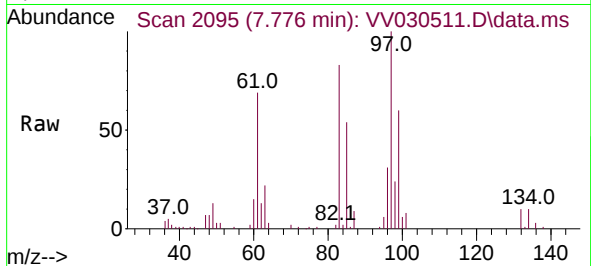




#45
1,1,2-Trichloroethane
Concen: 4.781 ug/L
RT: 7.776 min Scan# 2095
Delta R.T. -0.000 min
Lab File: VV030511.D
Acq: 12 Apr 2023 10:23

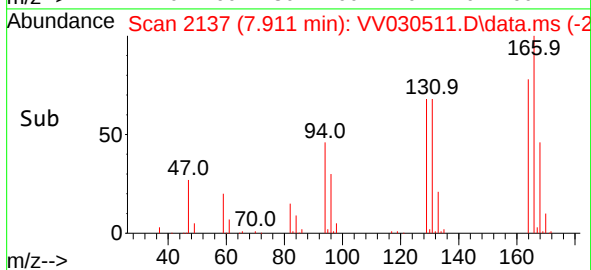
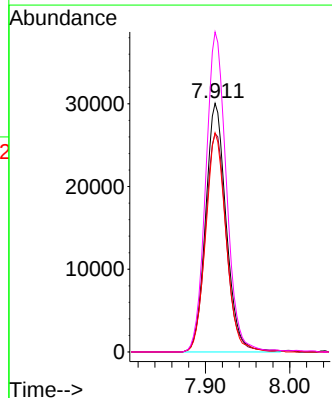
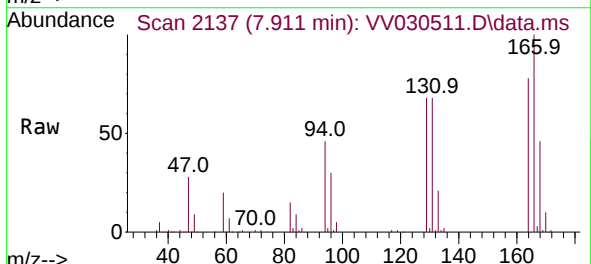
Instrument :
MSVOA_V
ClientSampleId :
VSTD005330

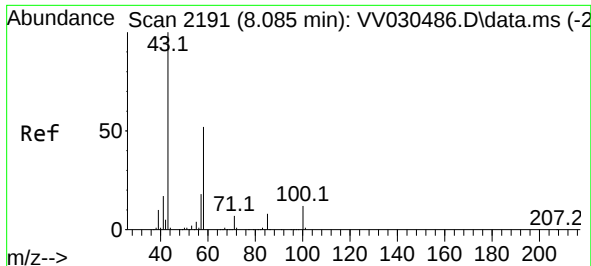
Tgt Ion: 97	Resp: 38806
Ion Ratio	Lower Upper
97 100	
99 60.1	44.0 81.8
83 83.3	58.8 109.2
85 54.1	37.2 69.0



#47
Tetrachloroethene
Concen: 4.798 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. -0.000 min
Lab File: VV030511.D
Acq: 12 Apr 2023 10:23

Tgt	Ion:164	Resp:	51273
Ion	Ratio	Lower	Upper
164	100		
129	87.9	60.8	112.8
131	88.1	61.7	114.7
166	128.7	85.6	159.0



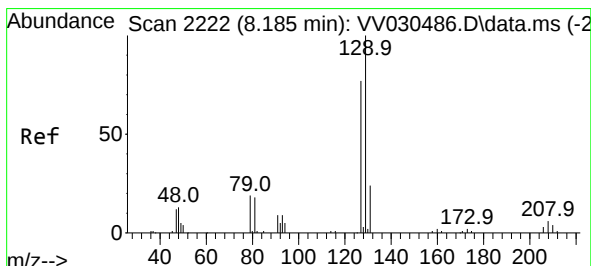
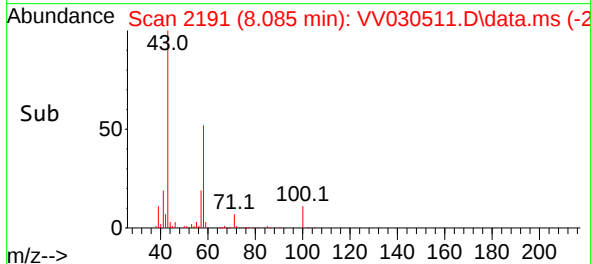
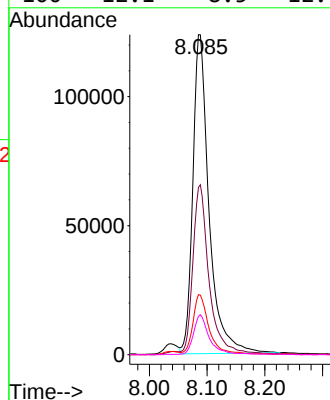
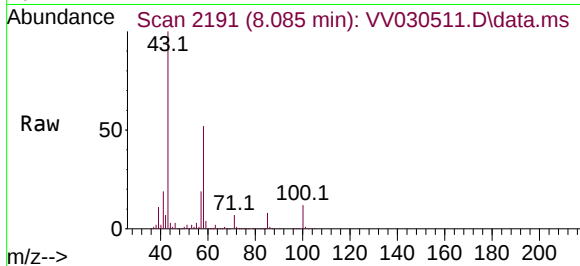


#48
2-Hexanone
Concen: 53.064 ug/L
RT: 8.085 min Scan# 2191
Delta R.T. -0.000 min
Lab File: VV030511.D
Acq: 12 Apr 2023 10:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD005330

Tgt Ion: 43 Resp: 241387

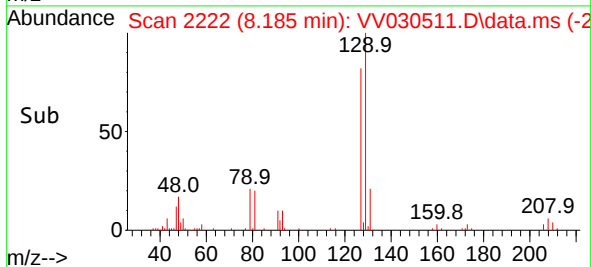
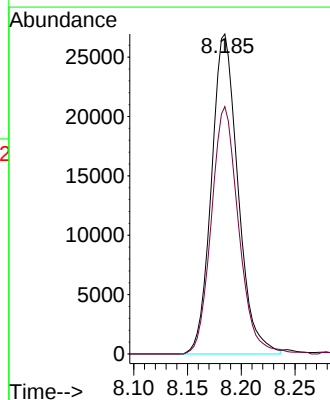
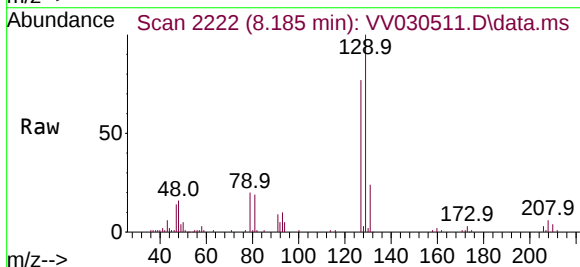
Ion	Ratio	Lower	Upper
43	100		
58	52.2	40.3	60.5
57	18.9	14.6	22.0
100	12.1	8.5	12.7

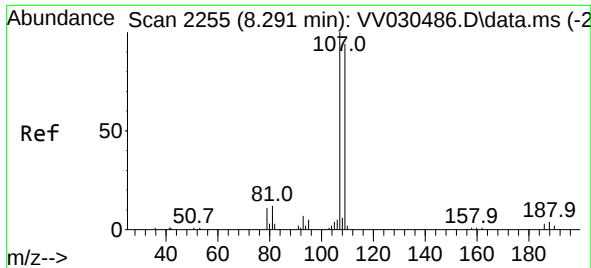


#49
Dibromochloromethane
Concen: 4.791 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. -0.000 min
Lab File: VV030511.D
Acq: 12 Apr 2023 10:23

Tgt Ion: 129 Resp: 46289

Ion	Ratio	Lower	Upper
129	100		
127	77.3	52.7	97.9

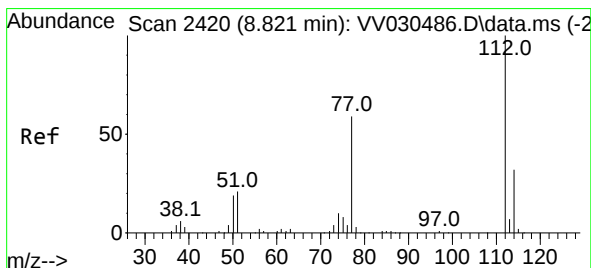
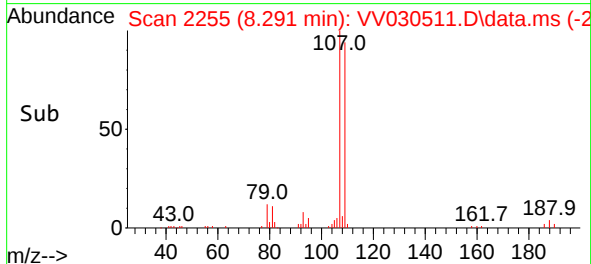
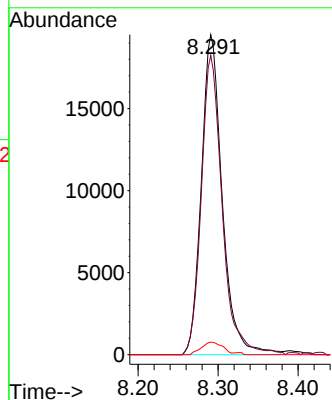
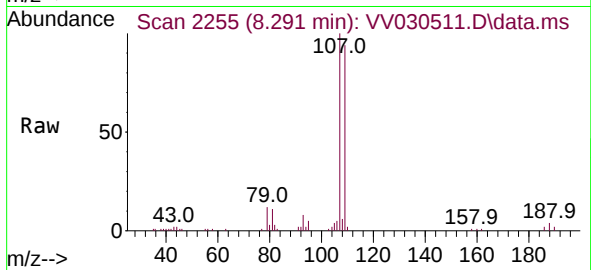




#50
1,2-Dibromoethane
Concen: 4.810 ug/L
RT: 8.291 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV030511.D
Acq: 12 Apr 2023 10:23

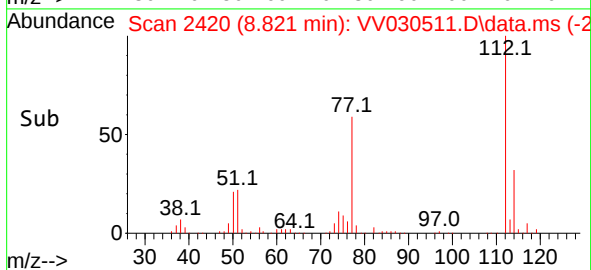
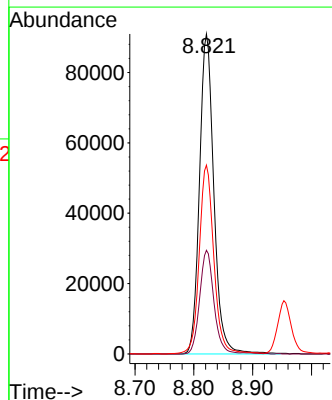
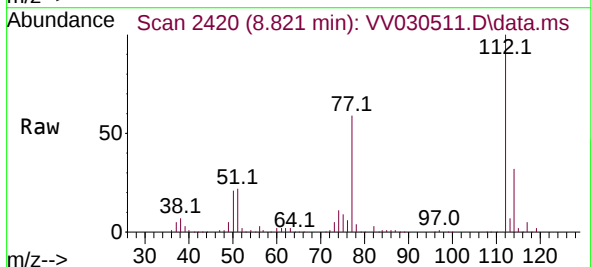
Instrument :
MSVOA_V
ClientSampleId :
VSTD005330

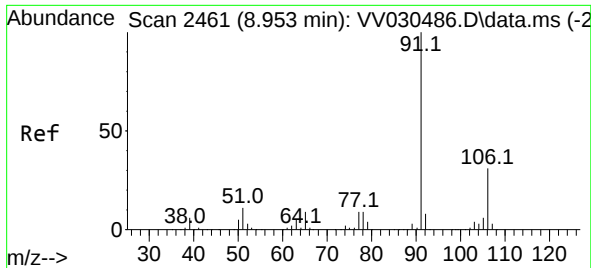
Tgt Ion:	107	Resp:	35513
Ion	Ratio	Lower	Upper
107	100		
109	93.5	62.9	116.9
188	3.9	3.0	4.6



#51
Chlorobenzene
Concen: 5.038 ug/L
RT: 8.821 min Scan# 2420
Delta R.T. -0.000 min
Lab File: VV030511.D
Acq: 12 Apr 2023 10:23

Tgt Ion:	112	Resp:	154257
Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.4	41.6
77	59.0	45.9	68.9

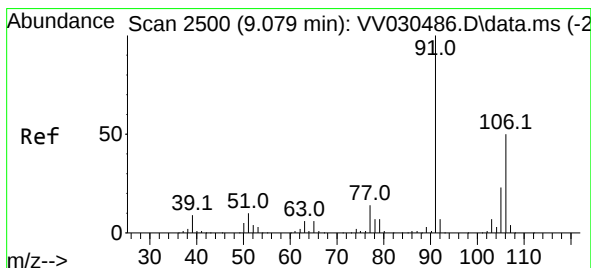
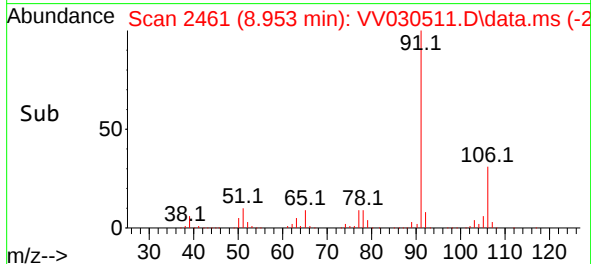
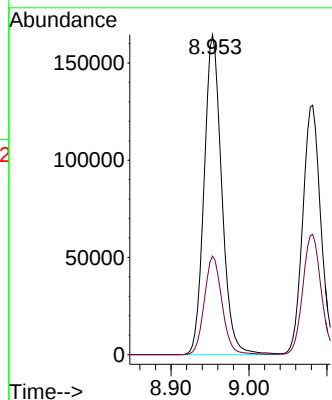
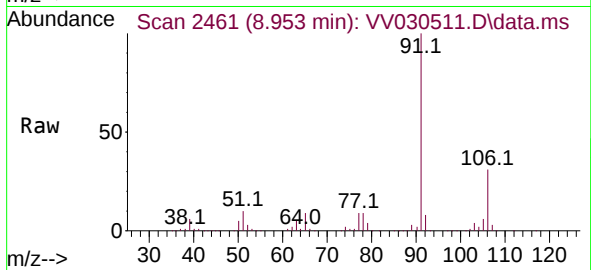




#52
Ethylbenzene
Concen: 4.946 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. -0.000 min
Lab File: VV030511.D
Acq: 12 Apr 2023 10:23

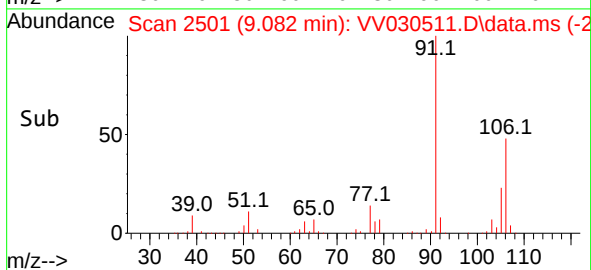
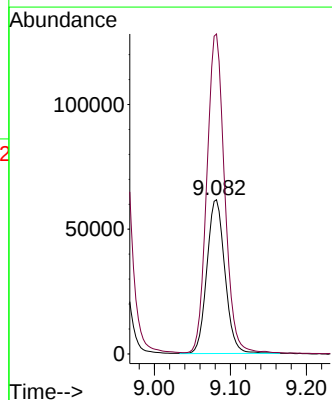
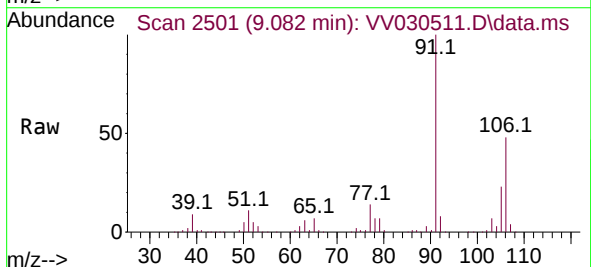
Instrument :
MSVOA_V
ClientSampleId :
VSTD005330

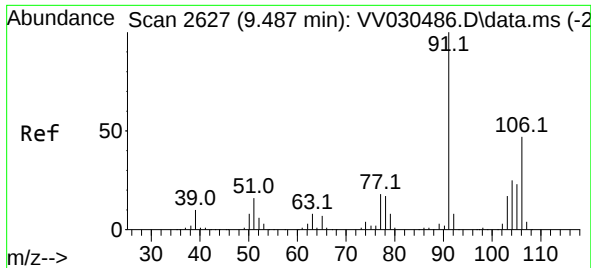
Tgt Ion: 91 Resp: 258795
Ion Ratio Lower Upper
91 100
106 30.8 22.2 41.2



#53
m,p-Xylene
Concen: 5.077 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.003 min
Lab File: VV030511.D
Acq: 12 Apr 2023 10:23

Tgt Ion:106 Resp: 101688
Ion Ratio Lower Upper
106 100
91 207.5 142.4 264.4

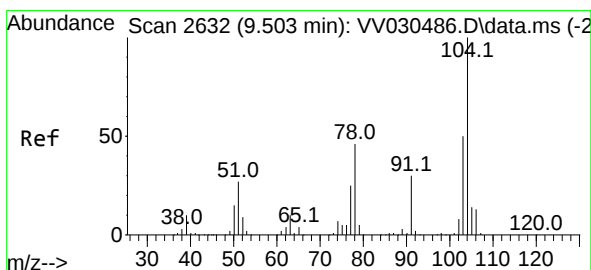
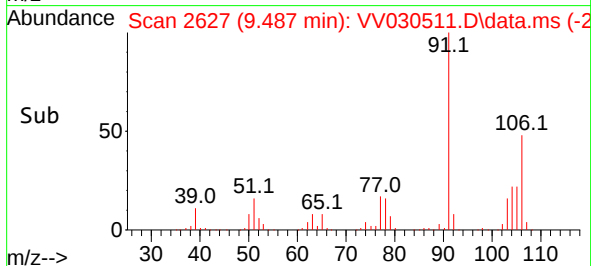
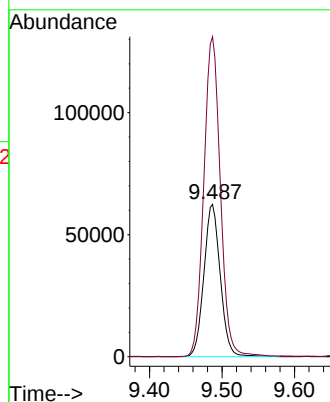
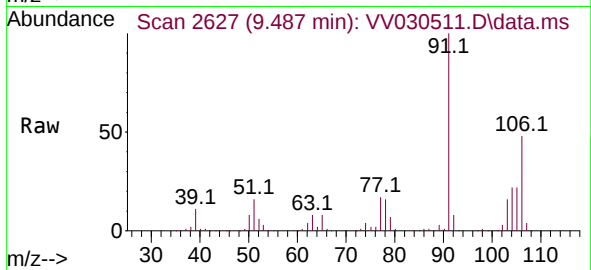




#54
o-Xylene
Concen: 5.110 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. -0.000 min
Lab File: VV030511.D
Acq: 12 Apr 2023 10:23

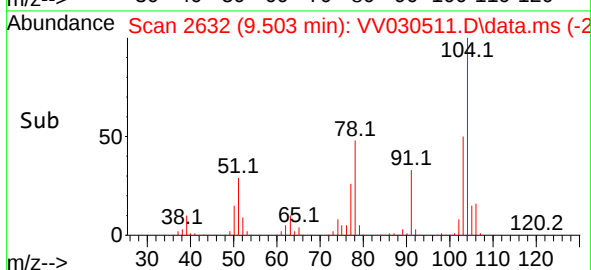
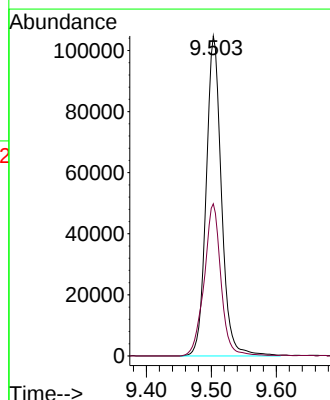
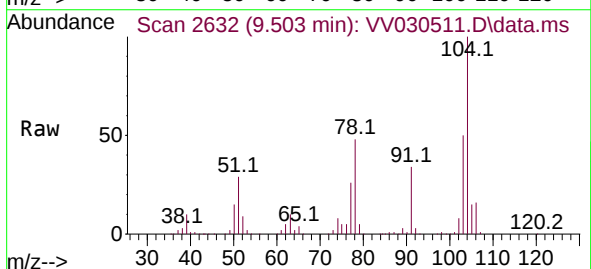
Instrument :
MSVOA_V
ClientSampleId :
VSTD005330

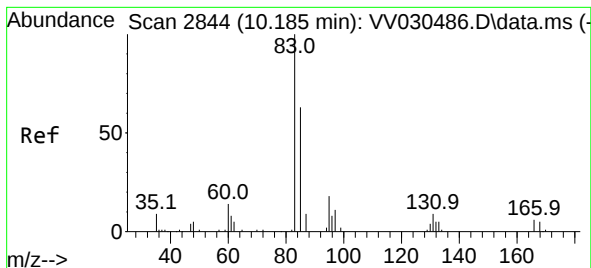
Tgt Ion:106 Resp: 97938
Ion Ratio Lower Upper
106 100
91 210.0 149.8 278.2



#55
Styrene
Concen: 5.279 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. -0.000 min
Lab File: VV030511.D
Acq: 12 Apr 2023 10:23

Tgt Ion:104 Resp: 171830
Ion Ratio Lower Upper
104 100
78 47.6 31.9 59.2





#57

1,1,2,2-Tetrachloroethane

Concen: 4.452 ug/L

RT: 10.188 min Scan# 2844

Delta R.T. 0.003 min

Lab File: VV030511.D

Acq: 12 Apr 2023 10:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD005330

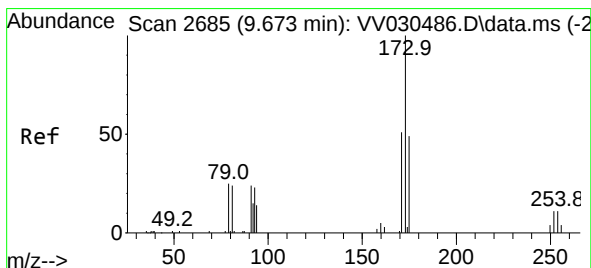
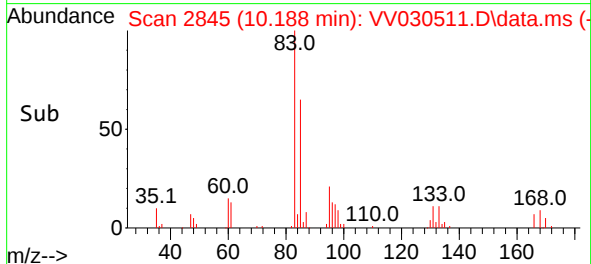
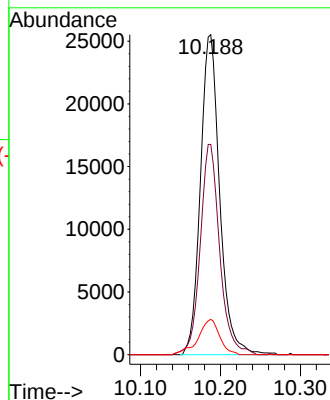
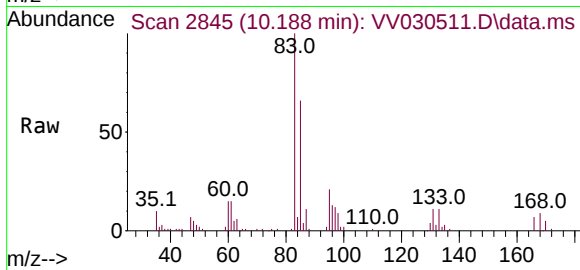
Tgt Ion: 83 Resp: 42888

Ion Ratio Lower Upper

83 100

85 65.7 45.3 84.1

131 11.1 8.2 12.4



#59

Bromoform

Concen: 4.961 ug/L

RT: 9.673 min Scan# 2685

Delta R.T. -0.000 min

Lab File: VV030511.D

Acq: 12 Apr 2023 10:23

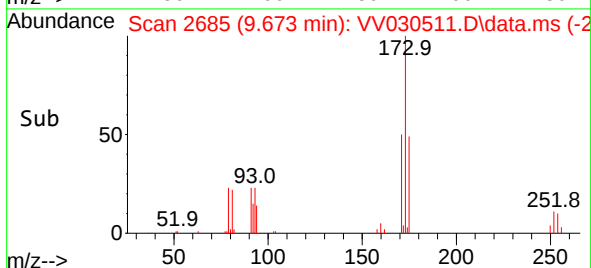
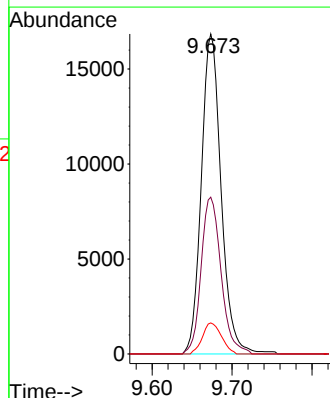
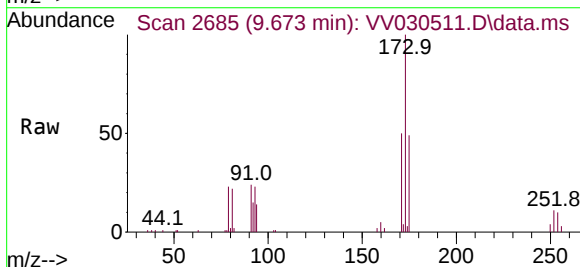
Tgt Ion: 173 Resp: 29067

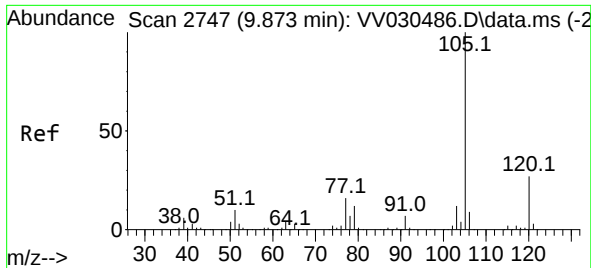
Ion Ratio Lower Upper

173 100

175 49.3 39.0 58.4

254 9.3 8.2 12.4

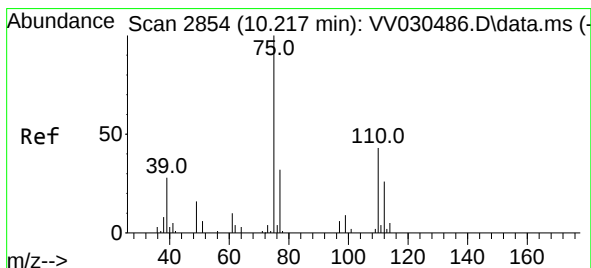
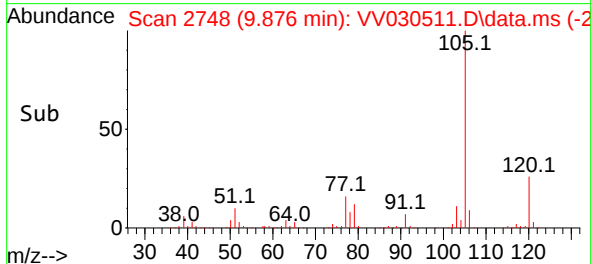
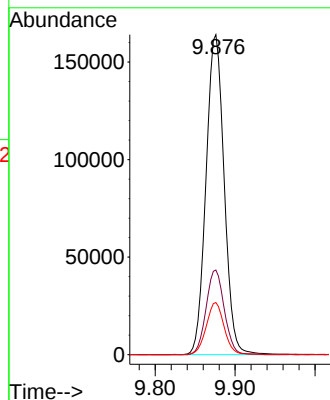
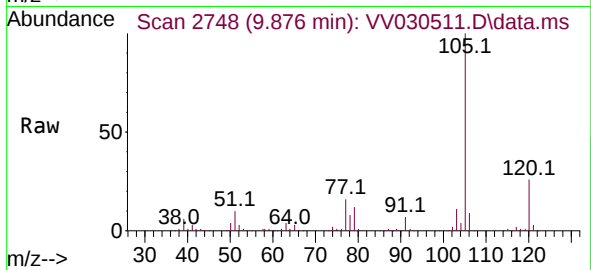




#60
Isopropylbenzene
Concen: 4.849 ug/L
RT: 9.876 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV030511.D
Acq: 12 Apr 2023 10:23

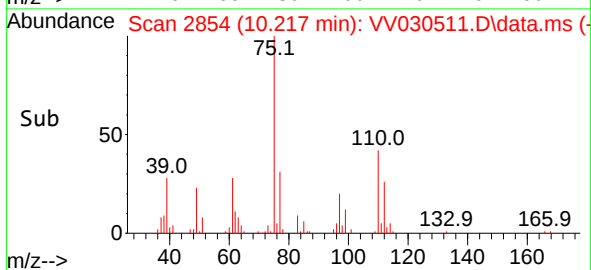
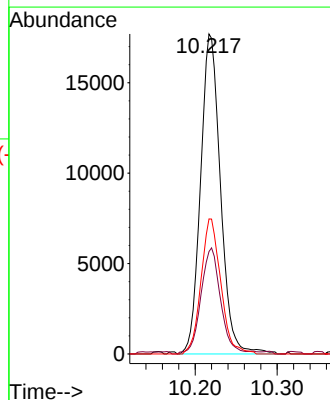
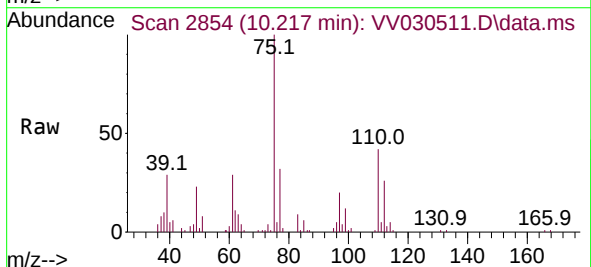
Instrument :
MSVOA_V
ClientSampleId :
VSTD005330

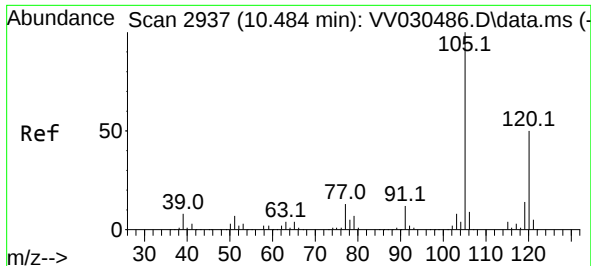
Tgt Ion:105 Resp: 259230
Ion Ratio Lower Upper
105 100
120 26.6 21.1 31.7
77 15.9 12.9 19.3



#61
1,2,3-Trichloropropane
Concen: 4.605 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. -0.000 min
Lab File: VV030511.D
Acq: 12 Apr 2023 10:23

Tgt Ion: 75 Resp: 29846
Ion Ratio Lower Upper
75 100
77 32.5 26.0 39.0
110 41.9 31.6 47.4





#62

1,3,5-Trimethylbenzene

Concen: 4.830 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VV030511.D

Acq: 12 Apr 2023 10:23

Instrument :

MSVOA_V

ClientSampleId :

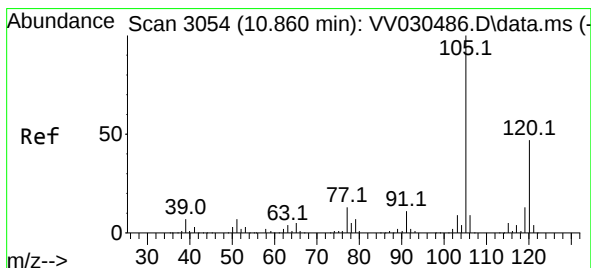
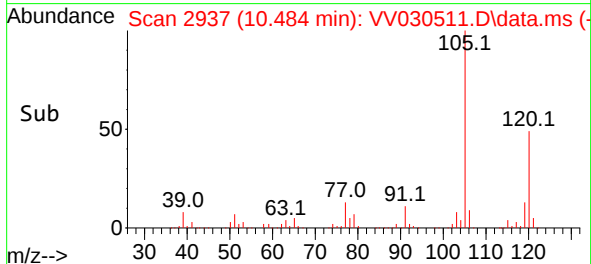
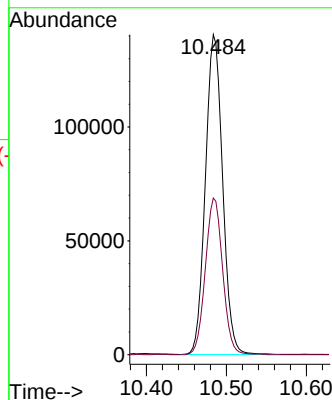
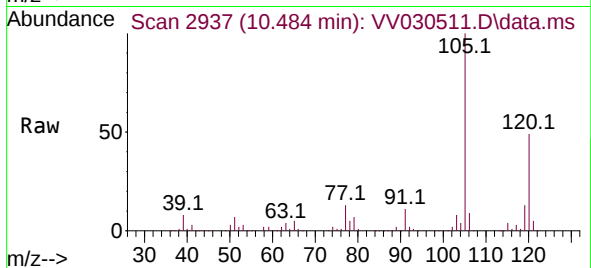
VSTD005330

Tgt Ion:105 Resp: 210697

Ion Ratio Lower Upper

105 100

120 49.3 38.9 58.3



#63

1,2,4-Trimethylbenzene

Concen: 4.959 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. -0.000 min

Lab File: VV030511.D

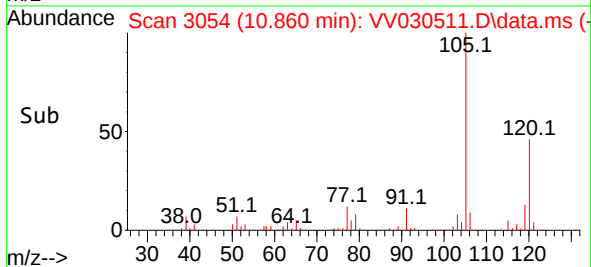
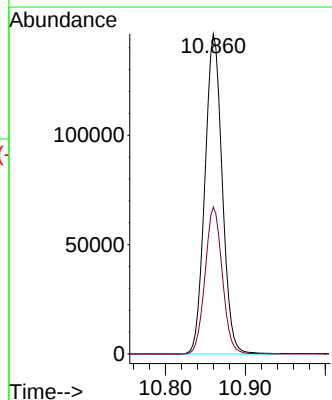
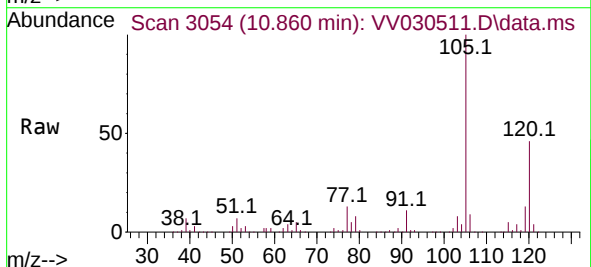
Acq: 12 Apr 2023 10:23

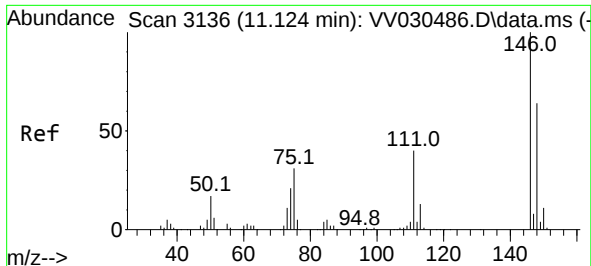
Tgt Ion:105 Resp: 220480

Ion Ratio Lower Upper

105 100

120 45.6 36.8 55.2

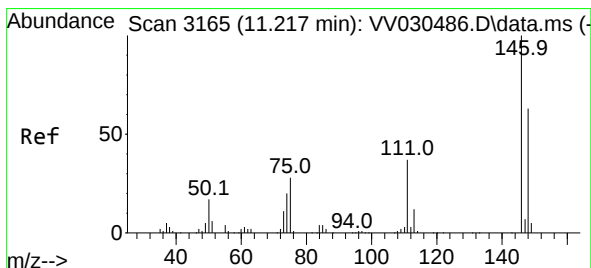
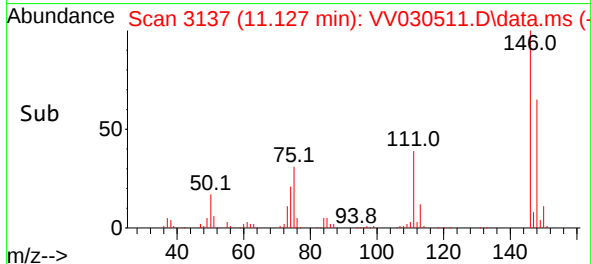
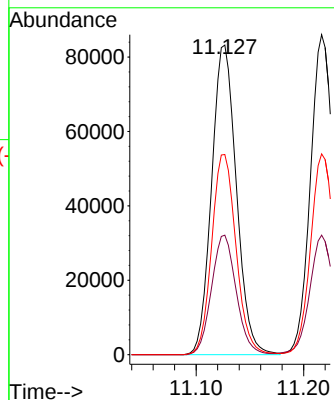
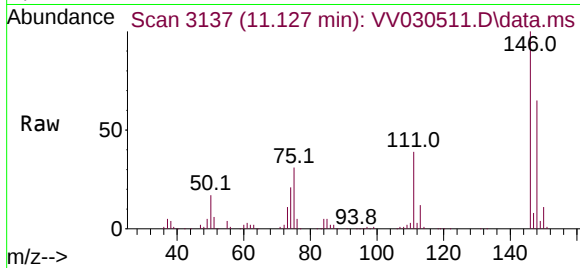




#64
1,3-Dichlorobenzene
Concen: 5.007 ug/L
RT: 11.127 min Scan# 3136
Delta R.T. 0.003 min
Lab File: VV030511.D
Acq: 12 Apr 2023 10:23

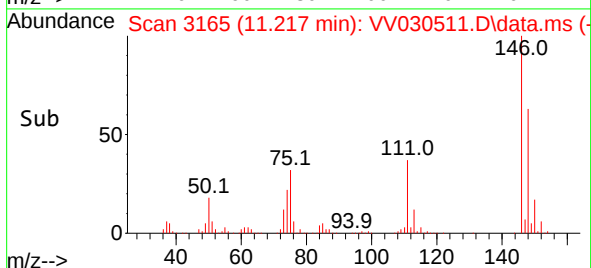
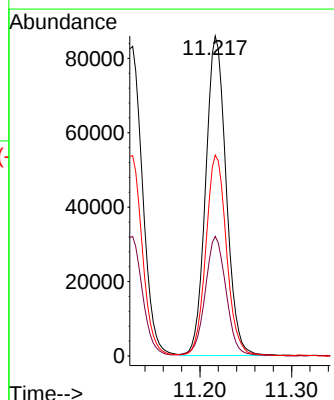
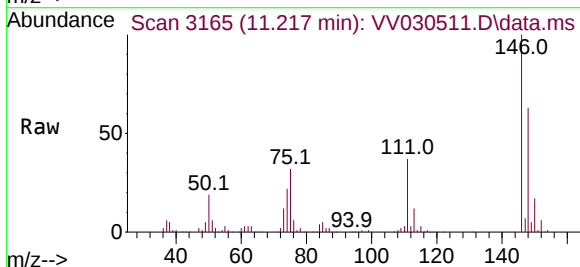
Instrument :
MSVOA_V
ClientSampleId :
VSTD005330

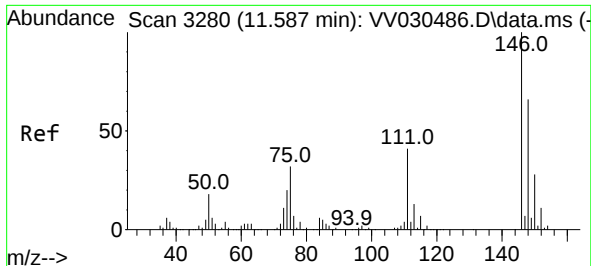
Tgt Ion:146 Resp: 133482
Ion Ratio Lower Upper
146 100
111 38.6 27.0 50.2
148 64.7 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 4.955 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. -0.000 min
Lab File: VV030511.D
Acq: 12 Apr 2023 10:23

Tgt Ion:146 Resp: 133080
Ion Ratio Lower Upper
146 100
111 37.4 26.0 48.4
148 62.7 45.2 84.0





#67

1,2-Dichlorobenzene

Concen: 4.915 ug/L

RT: 11.586 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV030511.D

Acq: 12 Apr 2023 10:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD005330

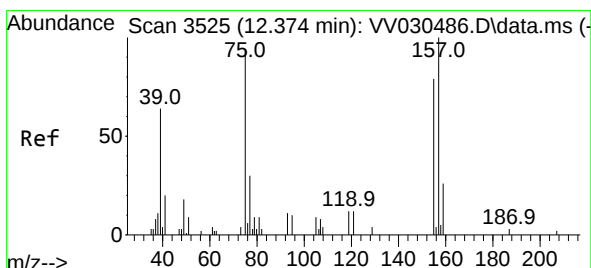
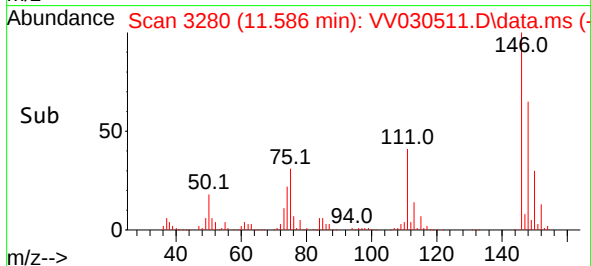
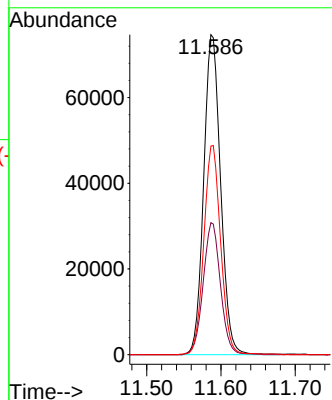
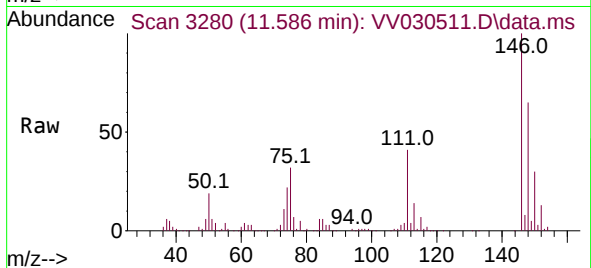
Tgt Ion:146 Resp: 118081

Ion Ratio Lower Upper

146 100

111 41.3 33.1 49.7

148 65.2 52.2 78.2



#68

1,2-Dibromo-3-chloropropane

Concen: 4.240 ug/L

RT: 12.374 min Scan# 3525

Delta R.T. -0.000 min

Lab File: VV030511.D

Acq: 12 Apr 2023 10:23

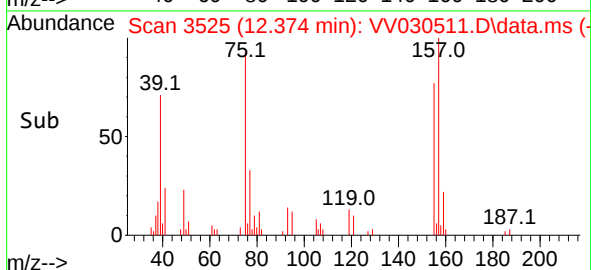
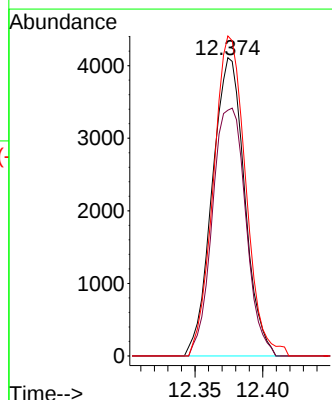
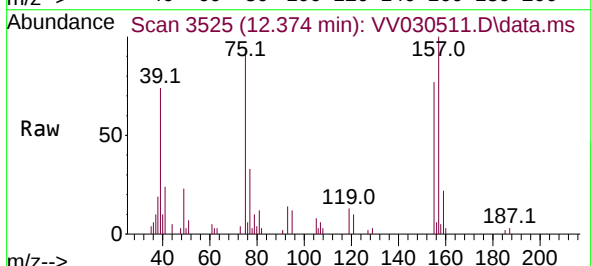
Tgt Ion: 75 Resp: 6835

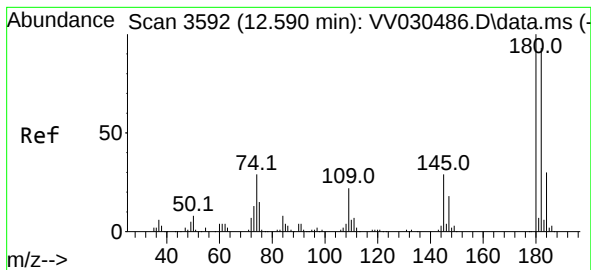
Ion Ratio Lower Upper

75 100

155 82.4 64.6 96.8

157 107.3 83.8 125.6





#69

1,3,5-Trichlorobenzene

Concen: 5.030 ug/L

RT: 12.593 min Scan# 3593

Delta R.T. 0.003 min

Lab File: VV030511.D

Acq: 12 Apr 2023 10:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD005330

Tgt Ion:180 Resp: 103252

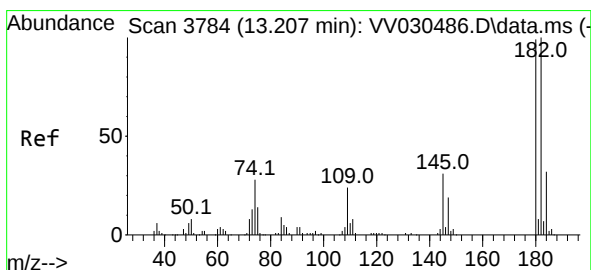
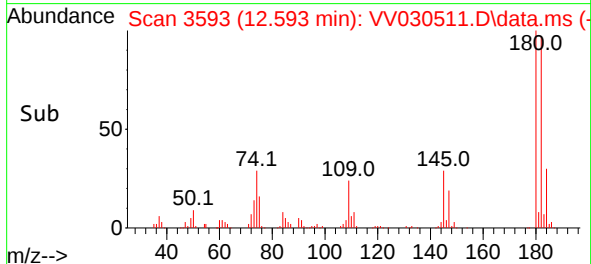
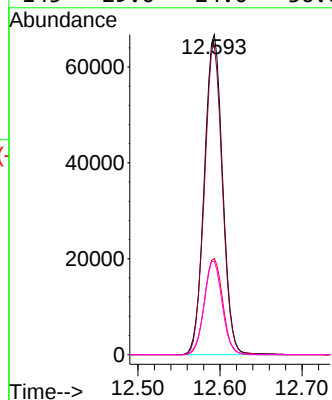
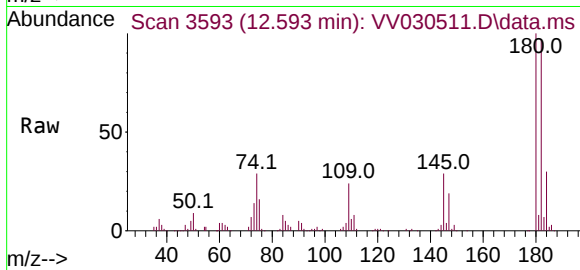
Ion Ratio Lower Upper

180 100

182 95.5 76.5 114.7

184 30.0 24.0 36.0

145 29.0 24.0 36.0



#70

1,2,4-trichlorobenzene

Concen: 4.998 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. -0.000 min

Lab File: VV030511.D

Acq: 12 Apr 2023 10:23

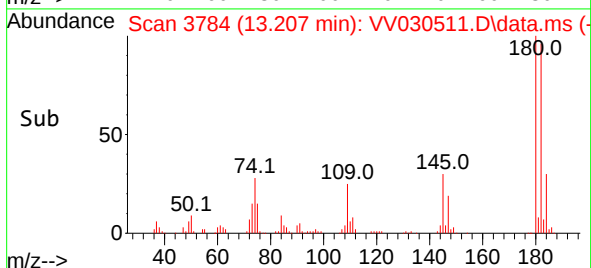
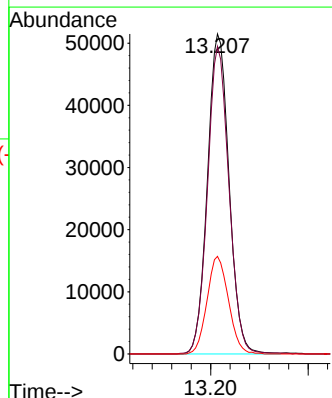
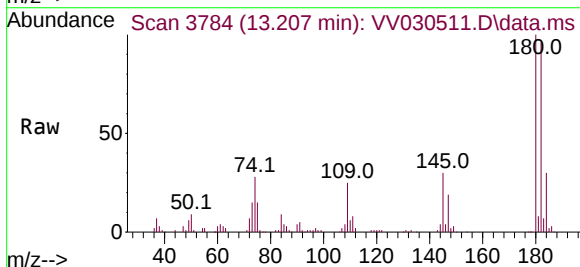
Tgt Ion:180 Resp: 79217

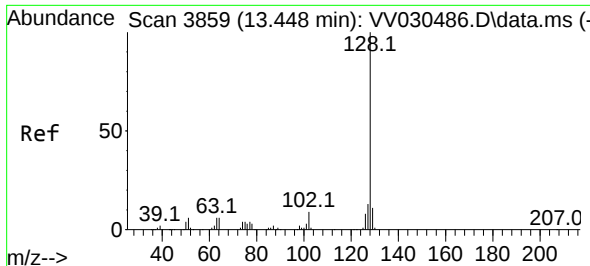
Ion Ratio Lower Upper

180 100

182 95.5 75.3 112.9

145 30.3 23.8 35.6

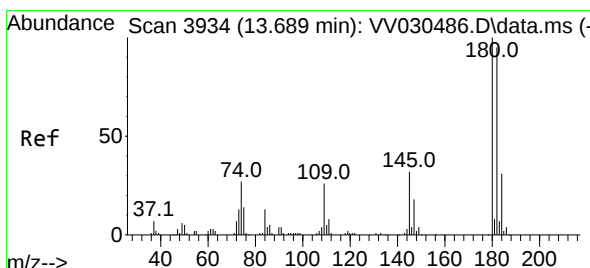
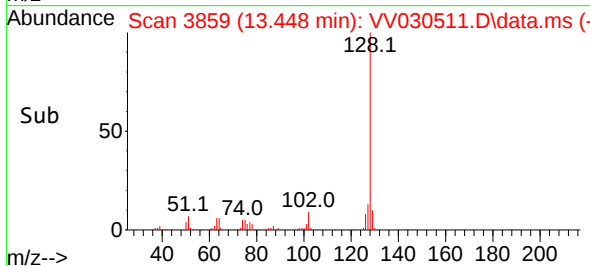
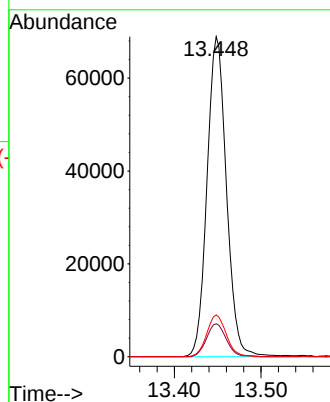
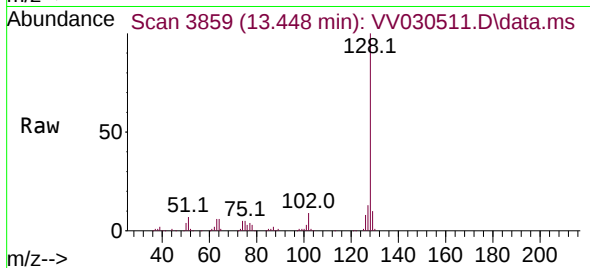




#71
Naphthalene
Concen: 4.738 ug/L
RT: 13.448 min Scan# 3859
Delta R.T. -0.000 min
Lab File: VV030511.D
Acq: 12 Apr 2023 10:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD005330

Tgt Ion:128	Resp:	107248
Ion Ratio	Lower	Upper
128	100	
129	10.5	8.9 13.3
127	13.1	10.8 16.2



#72
1,2,3-Trichlorobenzene
Concen: 4.948 ug/L
RT: 13.689 min Scan# 3934
Delta R.T. -0.000 min
Lab File: VV030511.D
Acq: 12 Apr 2023 10:23

Tgt Ion:180	Resp:	67931
Ion Ratio	Lower	Upper
180	100	
182	95.7	76.6 115.0
145	31.6	25.0 37.4

