

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041123\
 Data File : VW030509.D
 Acq On : 11 Apr 2023 21:03
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005329

Quant Time: Apr 12 05:06:23 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	5.545	114	130765	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.796	117	125871	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	74329	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	36885	4.259	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.200%
7) Chloroethane-d5	1.539	69	34203	4.070	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.400%
11) 1,1-Dichloroethene-d2	2.069	63	89376	4.349	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.000%
20) 2-Butanone-d5	3.818	46	88982	39.750	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	79.500%
24) Chloroform-d	4.262	84	91987	4.388	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.800%
26) 1,2-Dichloroethane-d4	4.957	65	43744	4.423	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.400%
32) Benzene-d6	4.973	84	161131	4.543	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.800%
36) 1,2-Dichloropropane-d6	5.998	67	47671	4.293	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.800%
41) Toluene-d8	7.252	98	158007	4.851	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.000%
43) trans-1,3-Dichloroprop...	7.561	79	17350	4.150	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.000%
46) 2-Hexanone-d5	8.034	63	68936	41.032	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.060%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	36653	4.188	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.800%
66) 1,2-Dichlorobenzene-d4	11.567	152	58538	4.406	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	66510	4.001	ug/L	97
3) Chloromethane	1.217	50	83167	3.965	ug/L	100
5) Vinyl chloride	1.285	62	64236	4.200	ug/L	99
6) Bromomethane	1.491	94	20262	4.646	ug/L	96
8) Chloroethane	1.555	64	40319	4.603	ug/L	98
9) Trichlorofluoromethane	1.719	101	101726	4.563	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	53140	4.319	ug/L	98
12) 1,1-Dichloroethene	2.076	96	50983	4.666	ug/L	94
13) Acetone	2.143	43	78900	36.859	ug/L	79
14) Carbon disulfide	2.246	76	146130	4.060	ug/L	99
15) Methyl Acetate	2.391	43	19229	5.027	ug/L	92
16) Methylene chloride	2.455	84	100182	7.752	ug/L	99
17) Methyl tert-butyl Ether	2.712	73	101868	4.402	ug/L	100
18) trans-1,2-Dichloroethene	2.703	96	48067	4.176	ug/L	99
19) 1,1-Dichloroethane	3.121	63	98178	4.400	ug/L	96
21) 2-Butanone	3.896	43	111493	41.382	ug/L	98
22) cis-1,2-Dichloroethene	3.828	96	51738	4.479	ug/L	98
23) Bromochloromethane	4.162	128	23603	4.375	ug/L	96
25) Chloroform	4.291	83	102389	4.541	ug/L	95

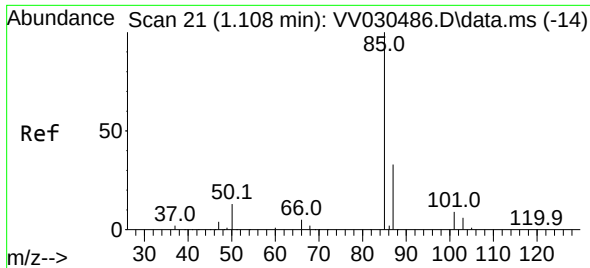
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.056	62	63016	4.622	ug/L	96
29) 1,1,1-Trichloroethane	4.526	97	93805	4.637	ug/L	98
30) Cyclohexane	4.596	56	77659	4.214	ug/L	99
31) Carbon tetrachloride	4.748	117	81620	4.446	ug/L	98
33) Benzene	5.021	78	206295	4.614	ug/L	100
34) Trichloroethene	5.844	95	60465	5.015	ug/L	96
35) Methylcyclohexane	6.059	83	78300	4.137	ug/L	97
37) 1,2-Dichloropropane	6.101	63	52140	4.543	ug/L	99
38) Bromodichloromethane	6.442	83	71099	4.730	ug/L	100
39) cis-1,3-Dichloropropene	6.963	75	70031	4.339	ug/L	99
40) 4-Methyl-2-pentanone	7.169	43	283342	46.849	ug/L	99
42) Toluene	7.326	91	225087	4.727	ug/L	100
44) trans-1,3-Dichloropropene	7.590	75	58890	4.288	ug/L	98
45) 1,1,2-Trichloroethane	7.776	97	35629	4.409	ug/L	97
47) Tetrachloroethene	7.915	164	47877	4.499	ug/L	95
48) 2-Hexanone	8.085	43	209224	46.191	ug/L	100
49) Dibromochloromethane	8.185	129	44205	4.595	ug/L	97
50) 1,2-Dibromoethane	8.291	107	33478	4.553	ug/L	92
51) Chlorobenzene	8.821	112	139884	4.588	ug/L	97
52) Ethylbenzene	8.956	91	235402	4.518	ug/L	97
53) m,p-Xylene	9.082	106	91120	4.569	ug/L	96
54) o-Xylene	9.487	106	87434	4.582	ug/L	97
55) Styrene	9.503	104	154175	4.757	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.188	83	43128	4.496	ug/L	97
59) Bromoform	9.673	173	26400	4.394	ug/L	99
60) Isopropylbenzene	9.876	105	242924	4.432	ug/L	100
61) 1,2,3-Trichloropropane	10.220	75	29383	4.421	ug/L	100
62) 1,3,5-Trimethylbenzene	10.484	105	193058	4.316	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	203543	4.465	ug/L	99
64) 1,3-Dichlorobenzene	11.127	146	124294	4.547	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	124601	4.525	ug/L	98
67) 1,2-Dichlorobenzene	11.587	146	111036	4.508	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.374	75	7078	4.282	ug/L	92
69) 1,3,5-Trichlorobenzene	12.593	180	93661	4.450	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	71718	4.413	ug/L	100
71) Naphthalene	13.448	128	92082	3.968	ug/L	100
72) 1,2,3-Trichlorobenzene	13.689	180	60602	4.305	ug/L	100

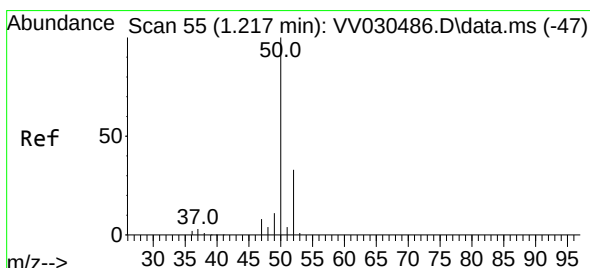
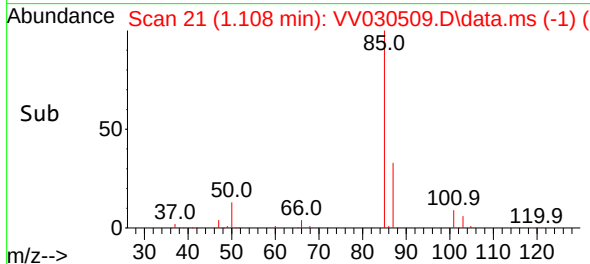
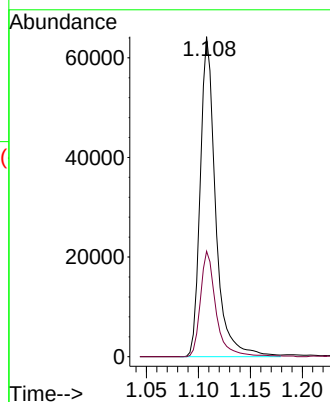
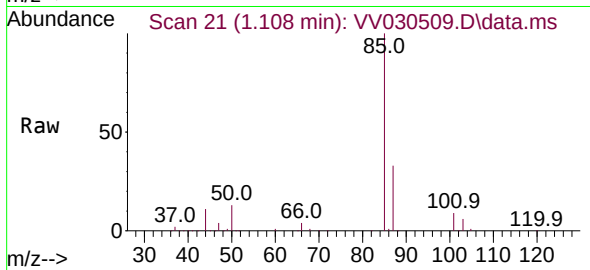
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.001 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV030509.D
 Acq: 11 Apr 2023 21:03

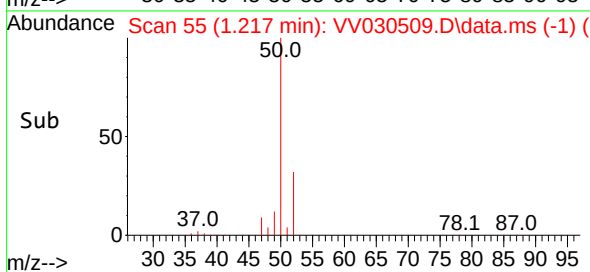
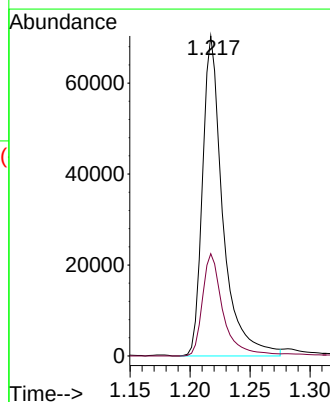
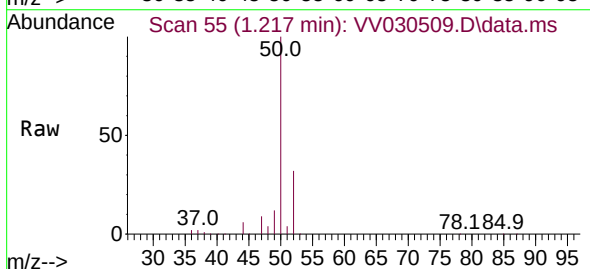
Instrument :
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 ClientSampleId :
 VSTD005329

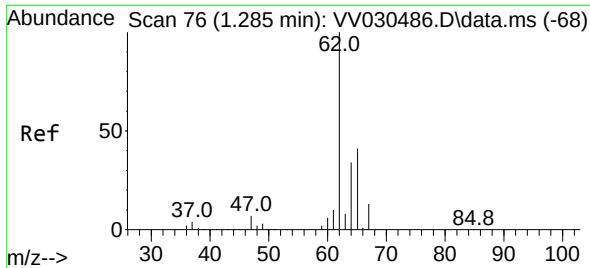
Tgt Ion: 85 Resp: 66510
 Ion Ratio Lower Upper
 85 100
 87 33.5 25.6 38.4



#3
 Chloromethane
 Concen: 3.965 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV030509.D
 Acq: 11 Apr 2023 21:03

Tgt Ion: 50 Resp: 83167
 Ion Ratio Lower Upper
 50 100
 52 31.9 22.3 41.5

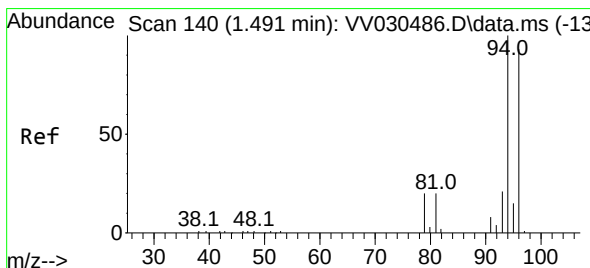
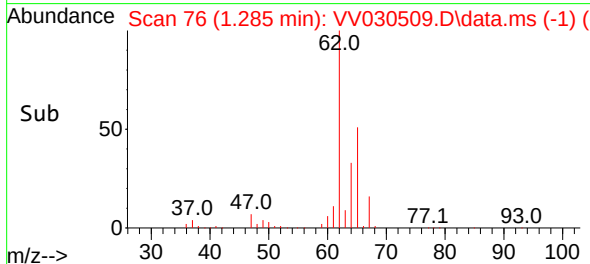
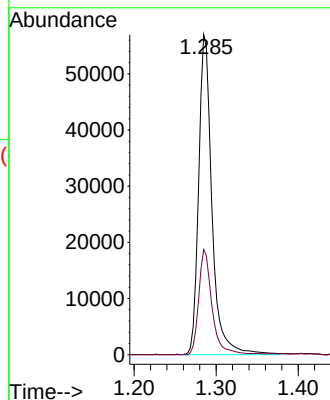
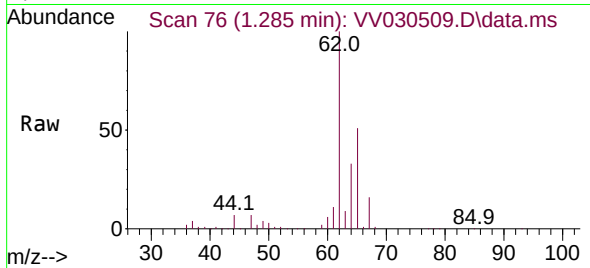




#5
 Vinyl chloride
 Concen: 4.200 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV030509.D
 Acq: 11 Apr 2023 21:03

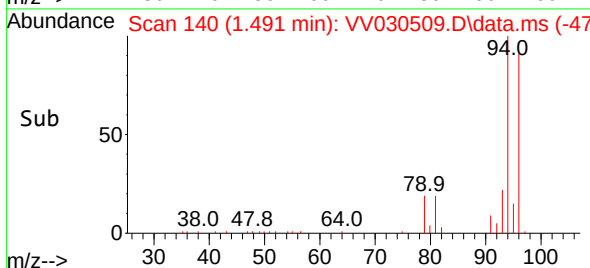
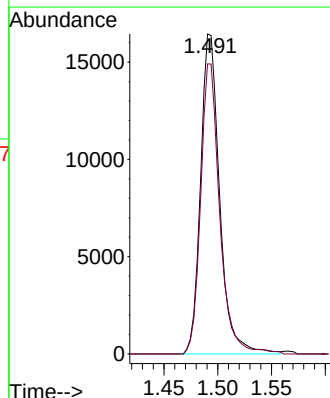
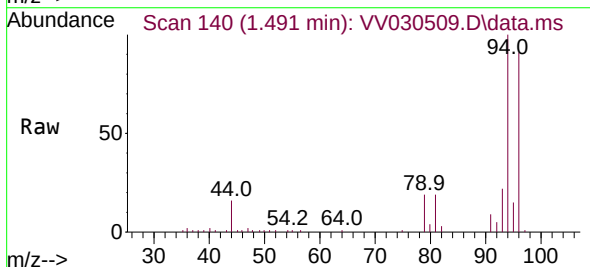
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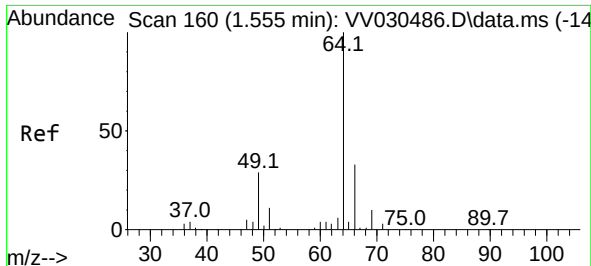
Tgt Ion: 62 Resp: 64236
 Ion Ratio Lower Upper
 62 100
 64 32.9 23.2 43.2



#6
 Bromomethane
 Concen: 4.646 ug/L
 RT: 1.491 min Scan# 140
 Delta R.T. -0.000 min
 Lab File: VV030509.D
 Acq: 11 Apr 2023 21:03

Tgt Ion: 94 Resp: 20262
 Ion Ratio Lower Upper
 94 100
 96 90.6 66.1 122.7

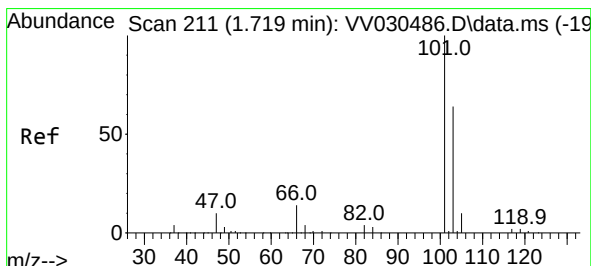
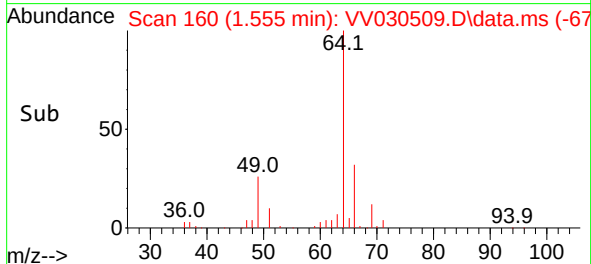
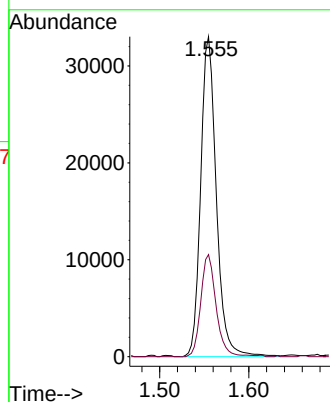
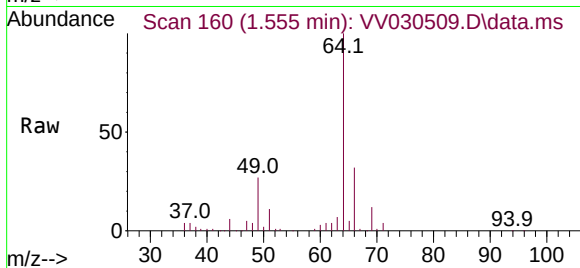




#8
Chloroethane
Concen: 4.603 ug/L
RT: 1.555 min Scan# 160
Delta R.T. -0.000 min
Lab File: VV030509.D
Acq: 11 Apr 2023 21:03

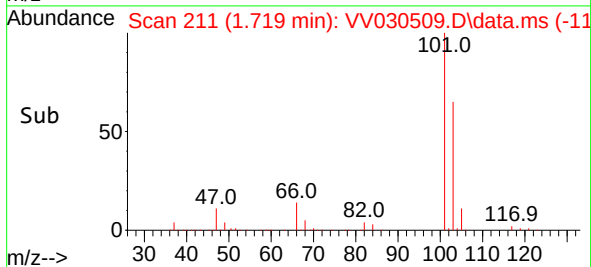
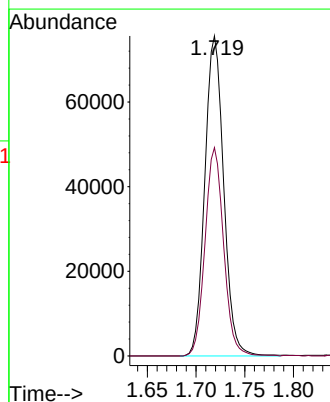
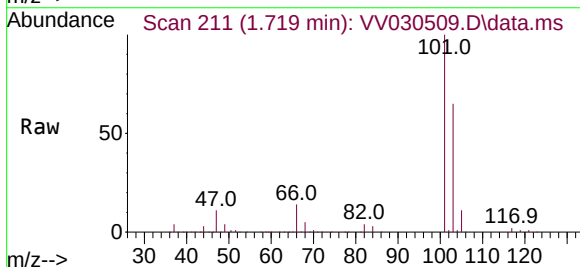
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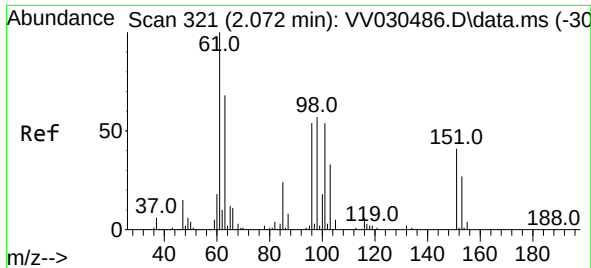
Tgt Ion: 64 Resp: 40319
Ion Ratio Lower Upper
64 100
66 31.9 23.0 42.8



#9
Trichlorofluoromethane
Concen: 4.563 ug/L
RT: 1.719 min Scan# 211
Delta R.T. -0.000 min
Lab File: VV030509.D
Acq: 11 Apr 2023 21:03

Tgt Ion:101 Resp: 101726
Ion Ratio Lower Upper
101 100
103 64.2 51.0 76.6

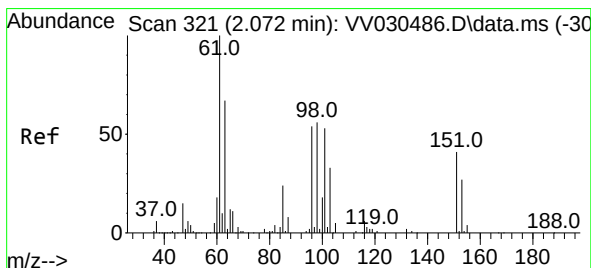
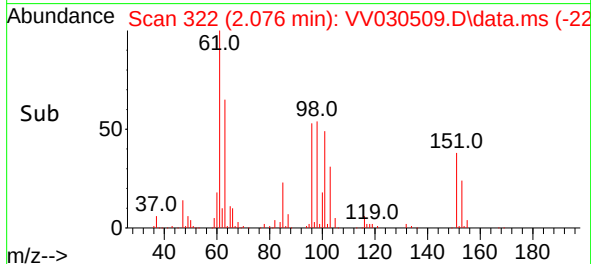
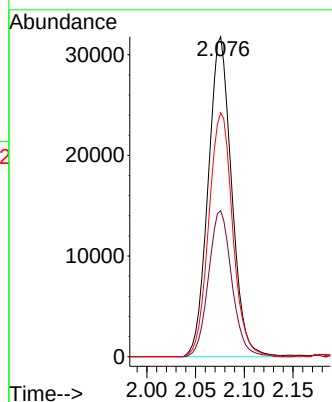
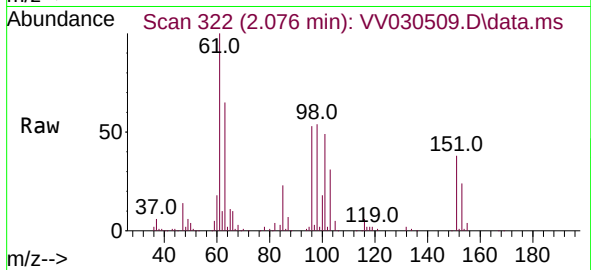




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.319 ug/L
 RT: 2.076 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VV030509.D
 Acq: 11 Apr 2023 21:03

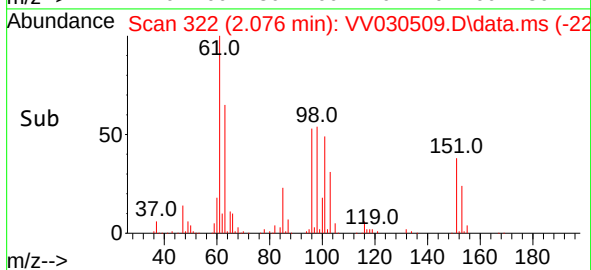
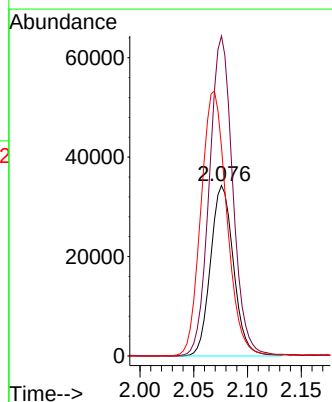
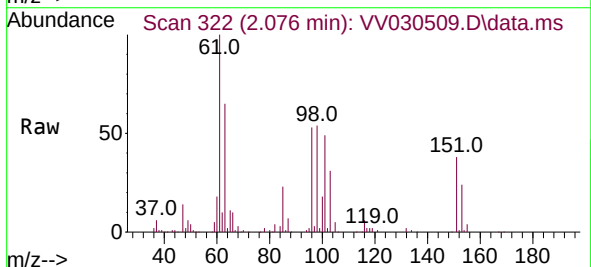
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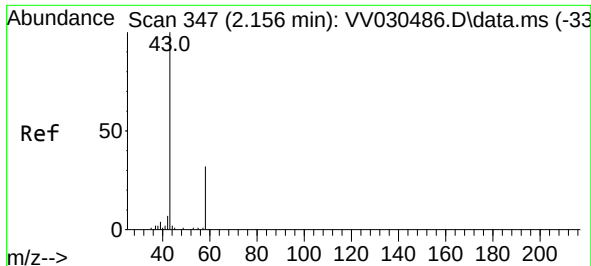
Tgt Ion:101 Resp: 53140
 Ion Ratio Lower Upper
 101 100
 85 45.4 38.1 57.1
 151 77.8 62.7 94.1



#12
 1,1-Dichloroethene
 Concen: 4.666 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. 0.003 min
 Lab File: VV030509.D
 Acq: 11 Apr 2023 21:03

Tgt Ion: 96 Resp: 50983
 Ion Ratio Lower Upper
 96 100
 61 187.7 136.3 253.1
 63 122.7 92.1 171.1





#13

Acetone

Concen: 36.859 ug/L

RT: 2.143 min Scan# 34

Delta R.T. -0.013 min

Lab File: VV030509.D

Acq: 11 Apr 2023 21:03

Instrument :

MSVOA_V

ClientSampleId :

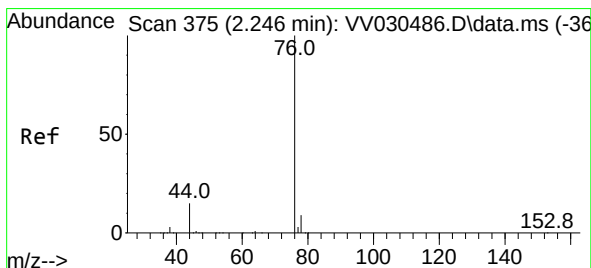
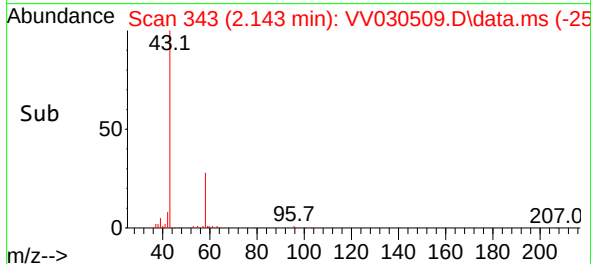
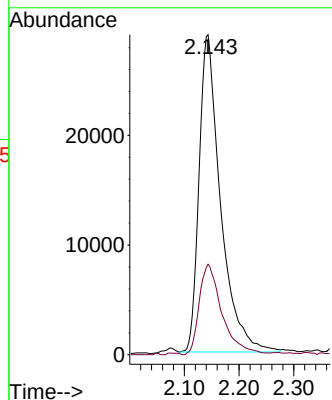
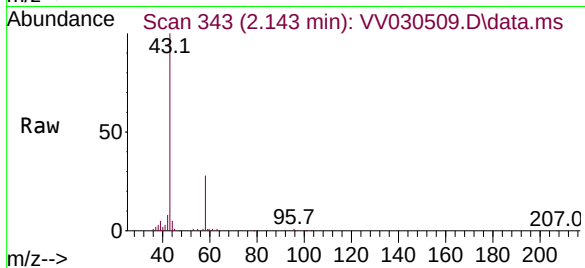
VSTD005329

Tgt Ion: 43 Resp: 78900

Ion Ratio Lower Upper

43 100

58 30.2 0.0 40.8



#14

Carbon disulfide

Concen: 4.060 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.000 min

Lab File: VV030509.D

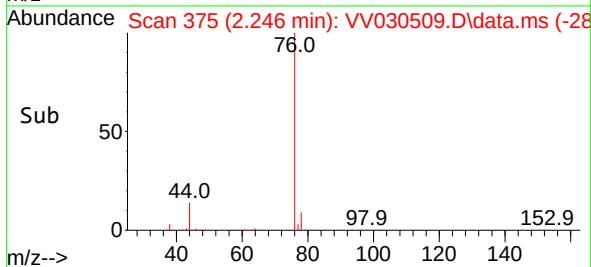
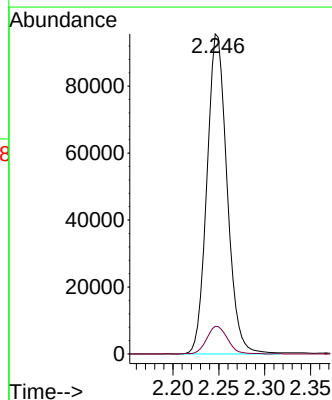
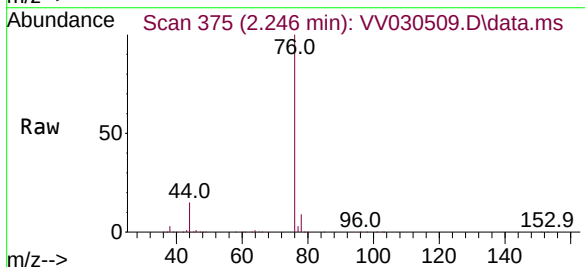
Acq: 11 Apr 2023 21:03

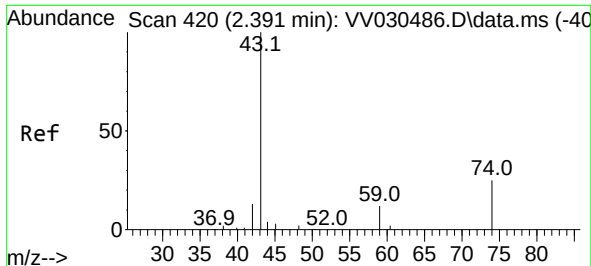
Tgt Ion: 76 Resp: 146130

Ion Ratio Lower Upper

76 100

78 8.7 7.3 10.9

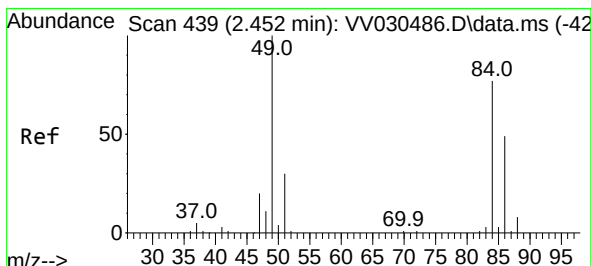
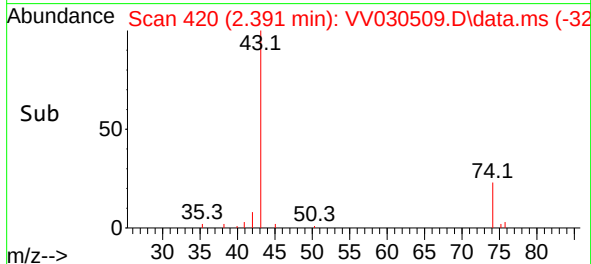
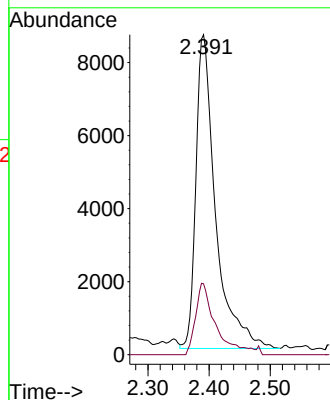
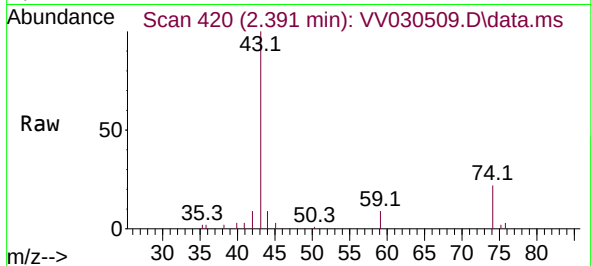




#15
Methyl Acetate
Concen: 5.027 ug/L
RT: 2.391 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV030509.D
Acq: 11 Apr 2023 21:03

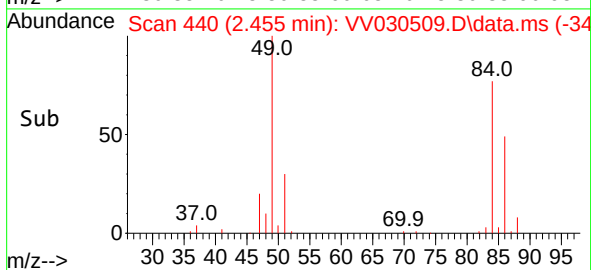
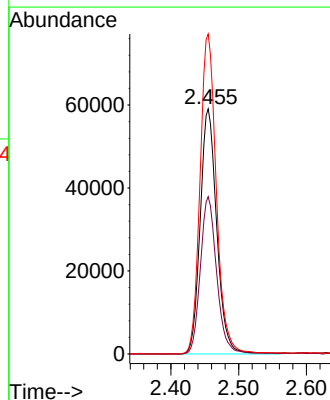
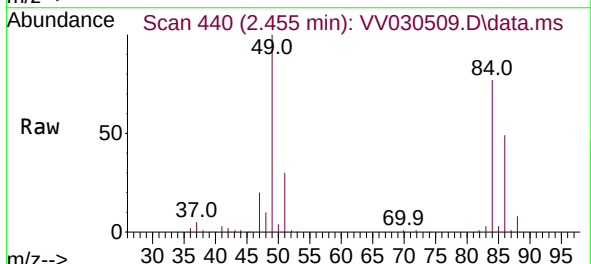
Instrument :
MSVOA_V
ClientSampleId :
VSTD005329

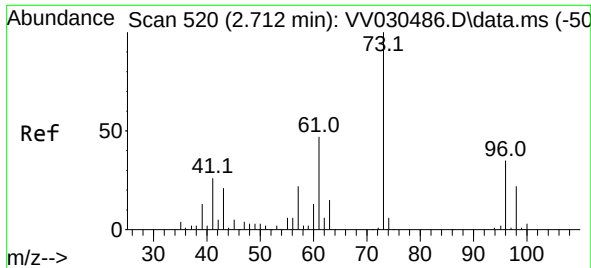
Tgt Ion: 43 Resp: 19229
Ion Ratio Lower Upper
43 100
74 23.3 22.1 33.1



#16
Methylene chloride
Concen: 7.752 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.003 min
Lab File: VV030509.D
Acq: 11 Apr 2023 21:03

Tgt Ion: 84 Resp: 100182
Ion Ratio Lower Upper
84 100
86 64.2 44.0 81.6
49 130.5 90.6 168.3

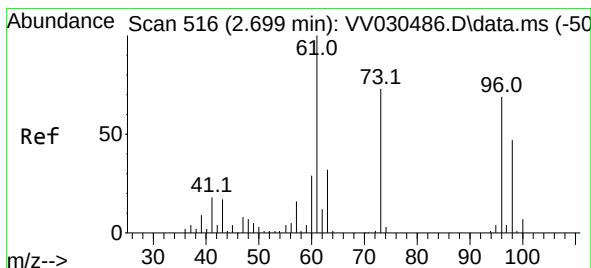
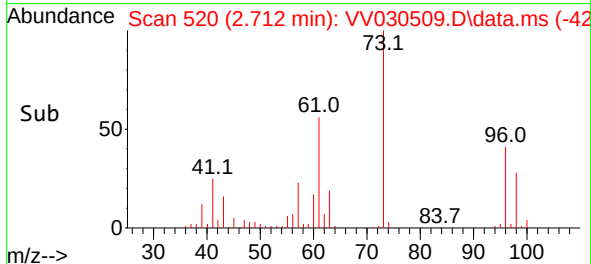
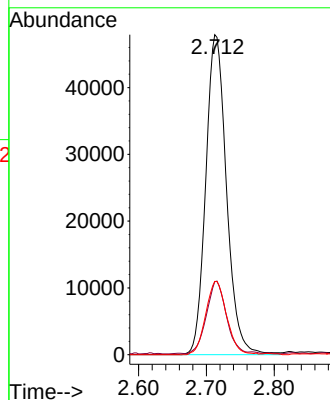
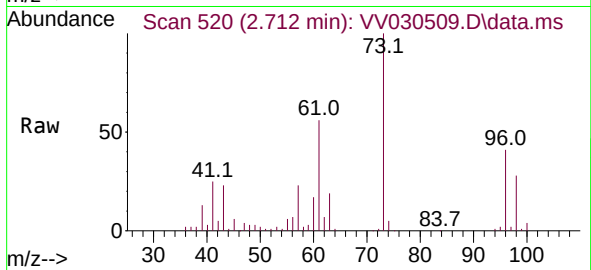




#17
Methyl tert-butyl Ether
Concen: 4.402 ug/L
RT: 2.712 min Scan# 517
Delta R.T. -0.000 min
Lab File: VV030509.D
Acq: 11 Apr 2023 21:03

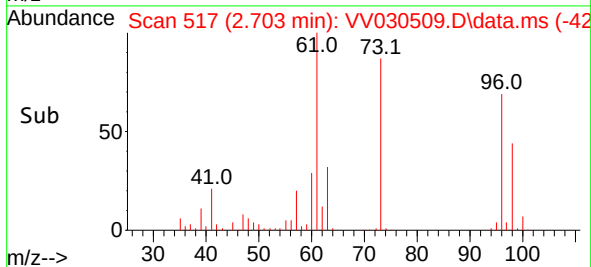
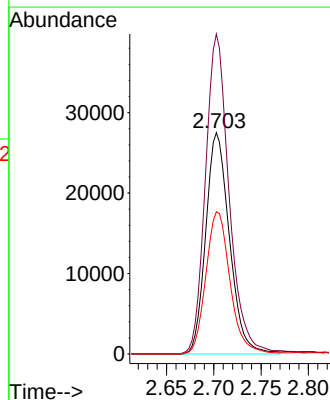
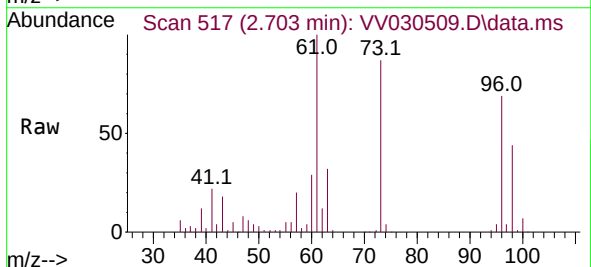
Instrument :
MSVOA_V
ClientSampleId :
VSTD005329

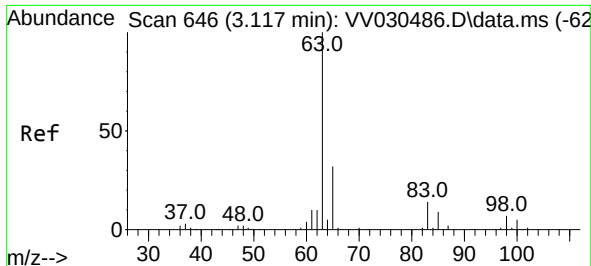
Tgt Ion: 73 Resp: 101868
Ion Ratio Lower Upper
73 100
43 21.6 17.4 26.2
57 23.1 18.3 27.5



#18
trans-1,2-Dichloroethene
Concen: 4.176 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV030509.D
Acq: 11 Apr 2023 21:03

Tgt Ion: 96 Resp: 48067
Ion Ratio Lower Upper
96 100
61 144.6 101.7 188.9
98 64.3 45.8 85.2

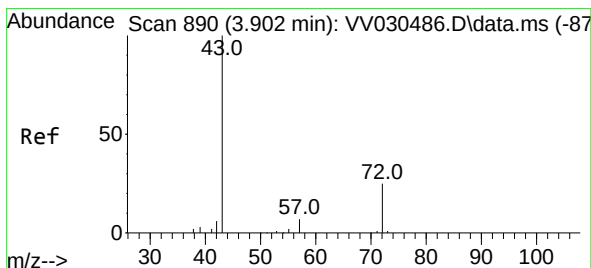
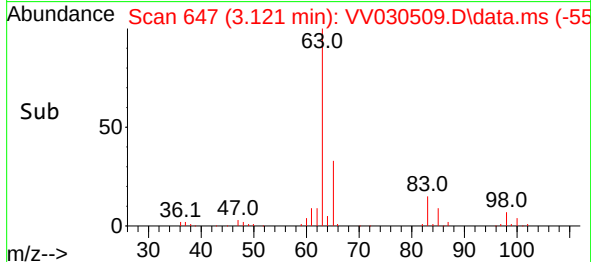
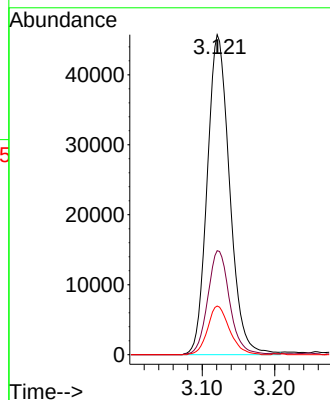
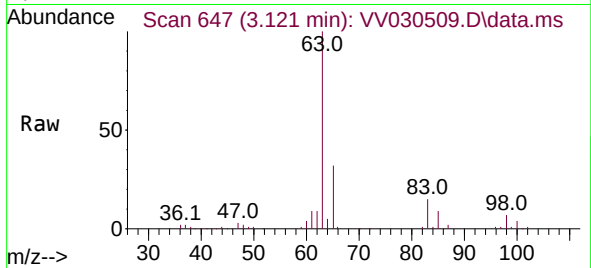




#19
1,1-Dichloroethane
Concen: 4.400 ug/L
RT: 3.121 min Scan# 64
Delta R.T. 0.003 min
Lab File: VV030509.D
Acq: 11 Apr 2023 21:03

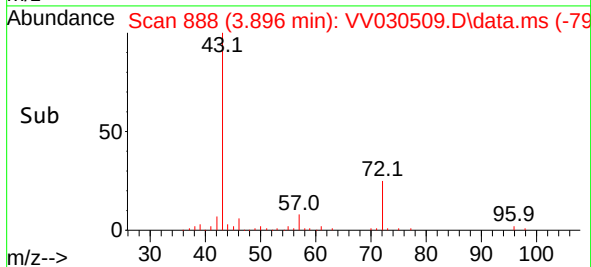
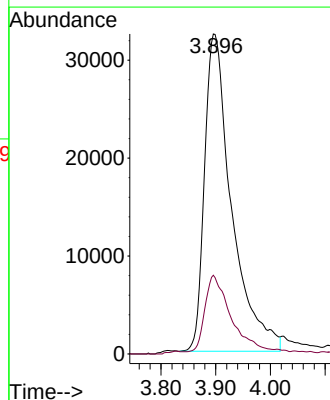
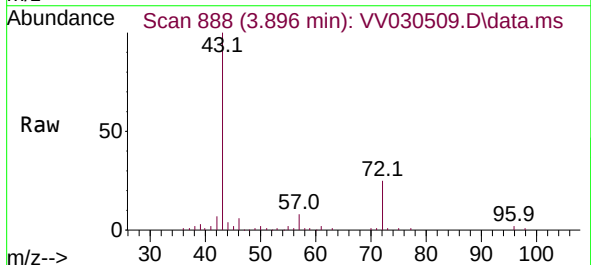
Instrument :
MSVOA_V
ClientSampleId :
VSTD005329

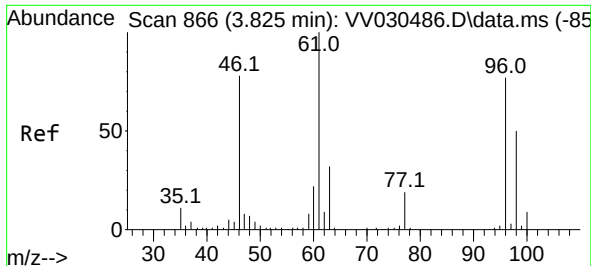
Tgt Ion: 63 Resp: 98178
Ion Ratio Lower Upper
63 100
65 32.5 21.7 40.3
83 15.2 9.1 16.9



#21
2-Butanone
Concen: 41.382 ug/L
RT: 3.896 min Scan# 888
Delta R.T. -0.006 min
Lab File: VV030509.D
Acq: 11 Apr 2023 21:03

Tgt Ion: 43 Resp: 111493
Ion Ratio Lower Upper
43 100
72 23.2 11.2 33.5

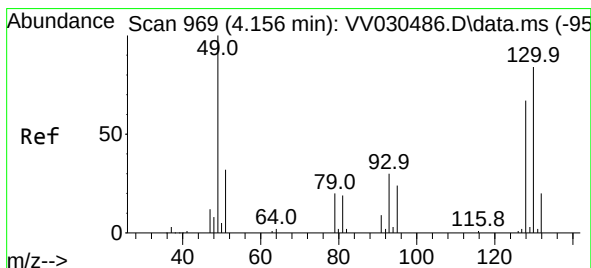
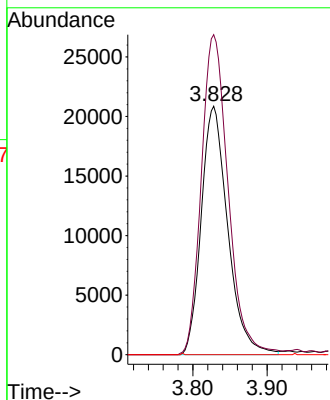
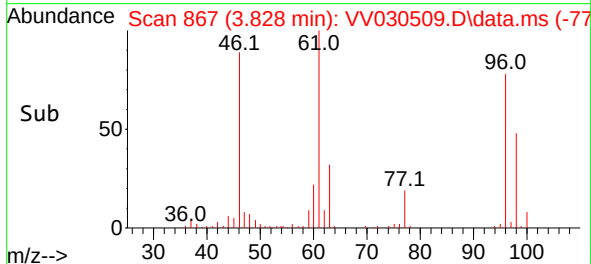
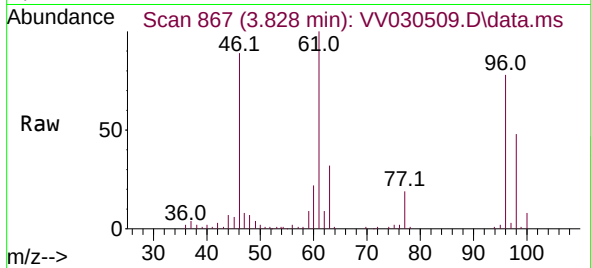




#22
 cis-1,2-Dichloroethene
 Concen: 4.479 ug/L
 RT: 3.828 min Scan# 866
 Delta R.T. 0.003 min
 Lab File: VV030509.D
 Acq: 11 Apr 2023 21:03

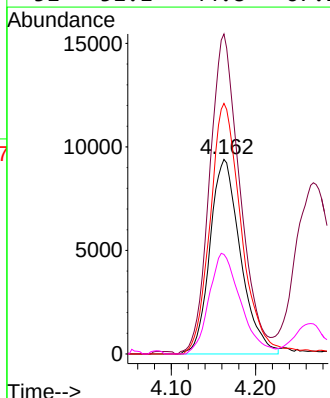
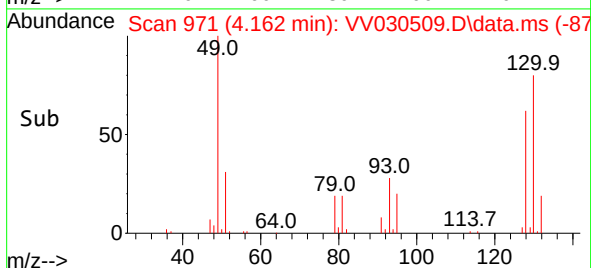
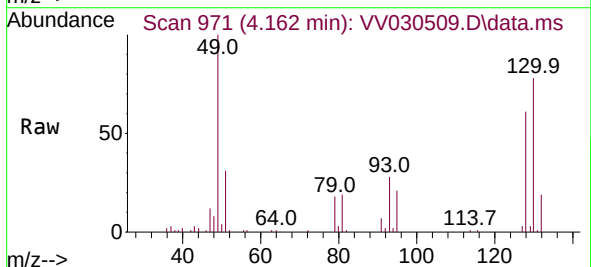
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005329

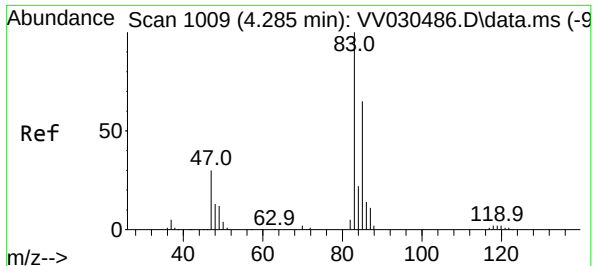
Tgt Ion: 96 Resp: 51738
 Ion Ratio Lower Upper
 96 100
 61 128.7 92.0 170.8
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 4.375 ug/L
 RT: 4.162 min Scan# 971
 Delta R.T. 0.006 min
 Lab File: VV030509.D
 Acq: 11 Apr 2023 21:03

Tgt Ion: 128 Resp: 23603
 Ion Ratio Lower Upper
 128 100
 49 164.4 119.4 221.8
 130 128.8 89.2 165.8
 51 51.1 44.8 67.2





#25

Chloroform

Concen: 4.541 ug/L

RT: 4.291 min Scan# 1009

Delta R.T. 0.006 min

Lab File: VV030509.D

Acq: 11 Apr 2023 21:03

Instrument :

MSVOA_V

ClientSampleId :

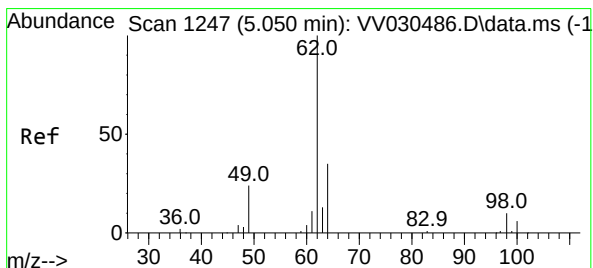
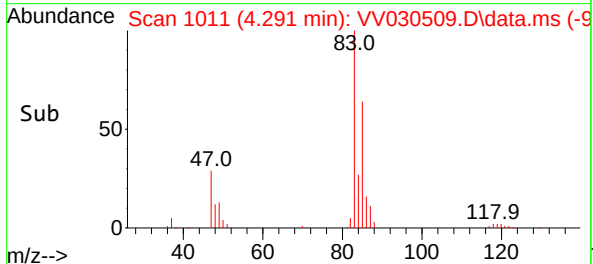
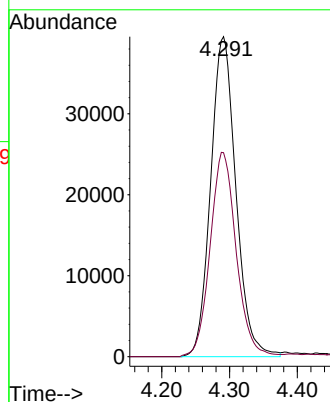
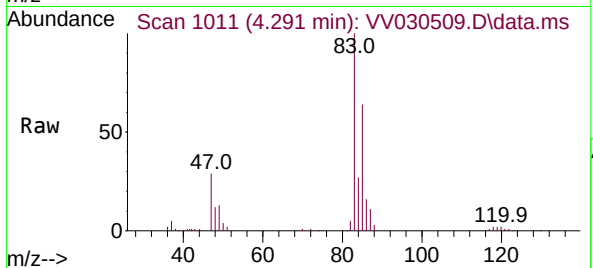
VSTD005329

Tgt Ion: 83 Resp: 102389

Ion Ratio Lower Upper

83 100

85 63.8 47.6 88.4



#27

1,2-Dichloroethane

Concen: 4.622 ug/L

RT: 5.056 min Scan# 1249

Delta R.T. 0.006 min

Lab File: VV030509.D

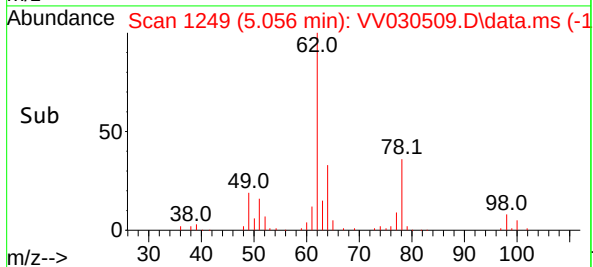
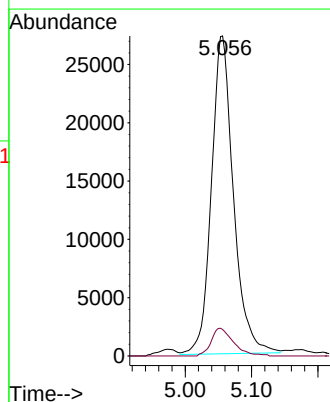
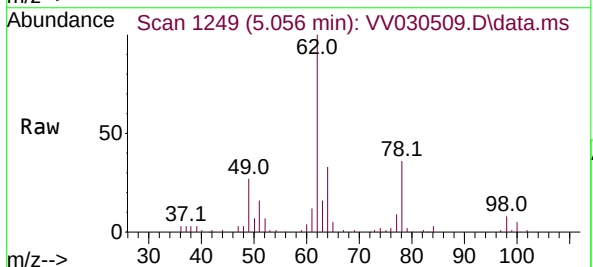
Acq: 11 Apr 2023 21:03

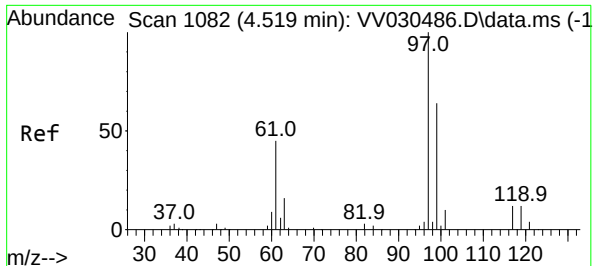
Tgt Ion: 62 Resp: 63016

Ion Ratio Lower Upper

62 100

98 8.3 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 4.637 ug/L

RT: 4.526 min Scan# 1106

Delta R.T. 0.006 min

Lab File: VV030509.D

Acq: 11 Apr 2023 21:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD005329

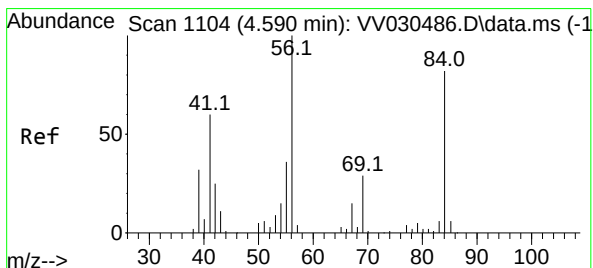
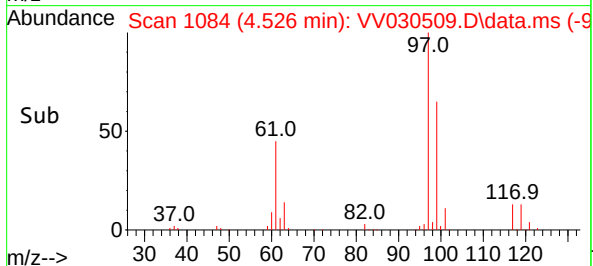
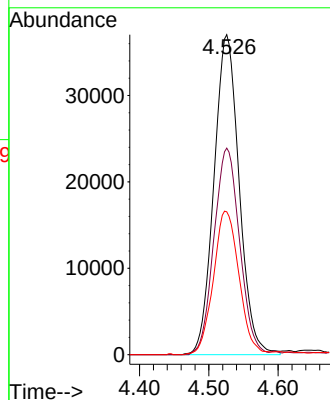
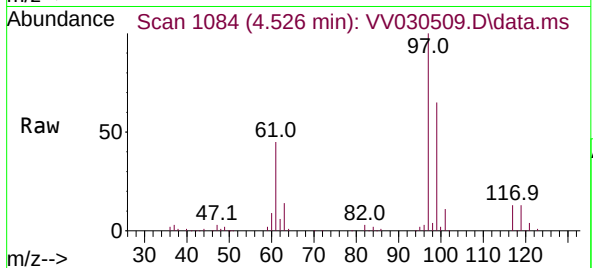
Tgt Ion: 97 Resp: 93805

Ion Ratio Lower Upper

97 100

99 65.7 50.9 76.3

61 45.7 35.9 53.9



#30

Cyclohexane

Concen: 4.214 ug/L

RT: 4.596 min Scan# 1106

Delta R.T. 0.006 min

Lab File: VV030509.D

Acq: 11 Apr 2023 21:03

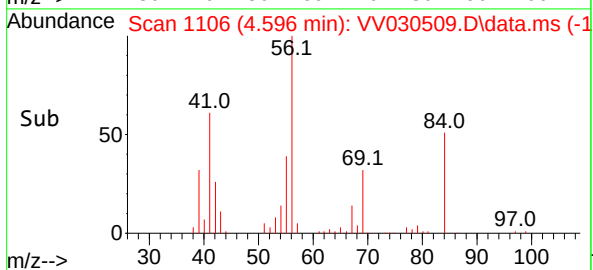
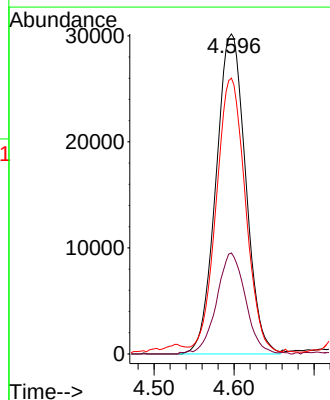
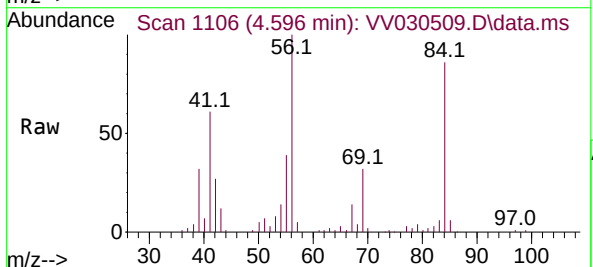
Tgt Ion: 56 Resp: 77659

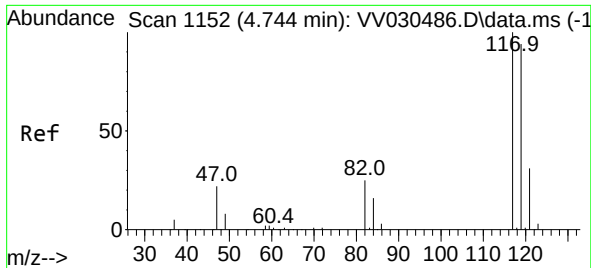
Ion Ratio Lower Upper

56 100

69 30.8 24.2 36.2

84 83.7 66.6 100.0

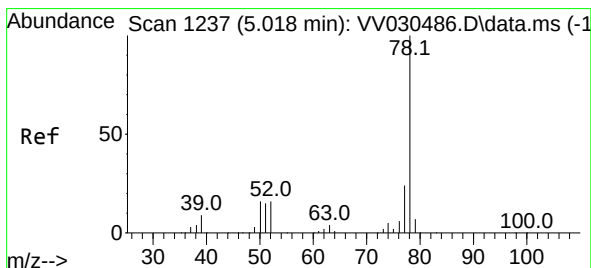
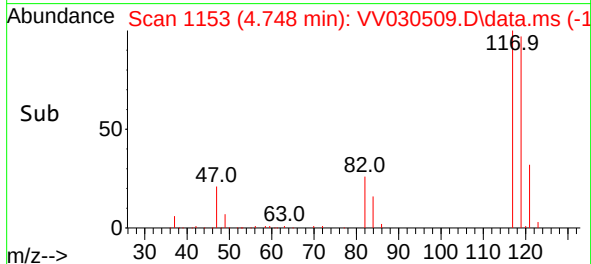
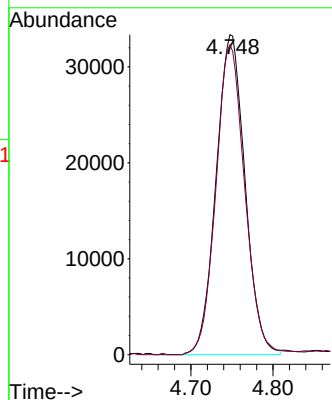
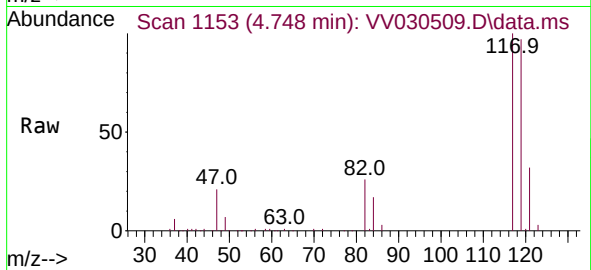




#31
Carbon tetrachloride
Concen: 4.446 ug/L
RT: 4.748 min Scan# 1152
Delta R.T. 0.003 min
Lab File: VV030509.D
Acq: 11 Apr 2023 21:03

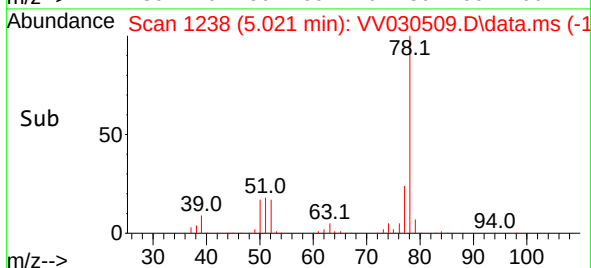
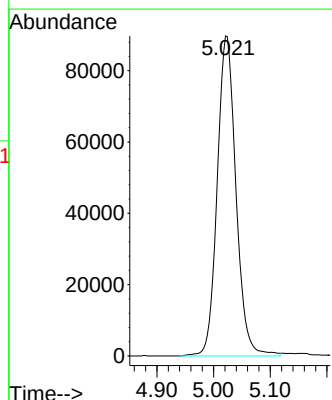
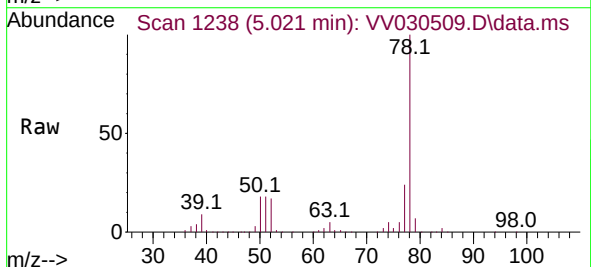
Instrument :
MSVOA_V
ClientSampleId :
VSTD005329

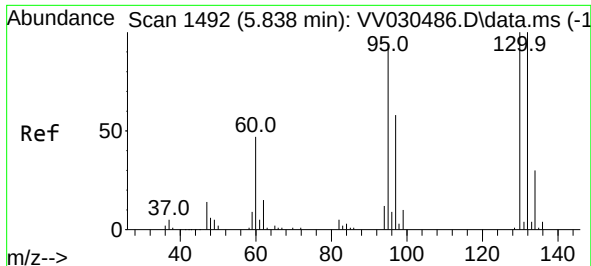
Tgt Ion:117 Resp: 81620
Ion Ratio Lower Upper
117 100
119 97.0 76.2 114.4



#33
Benzene
Concen: 4.614 ug/L
RT: 5.021 min Scan# 1238
Delta R.T. 0.003 min
Lab File: VV030509.D
Acq: 11 Apr 2023 21:03

Tgt Ion: 78 Resp: 206295



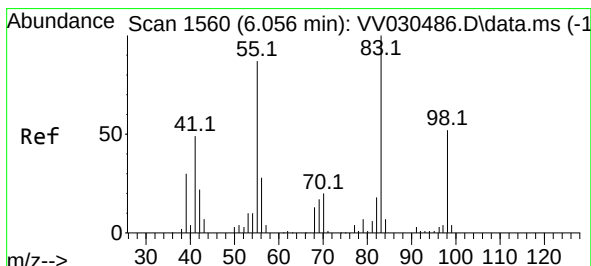
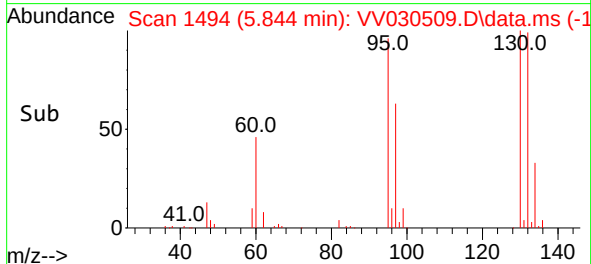
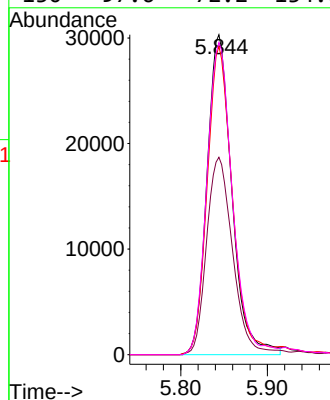
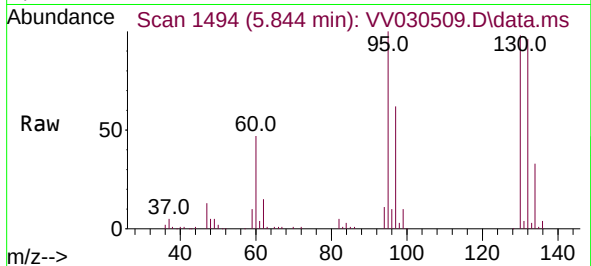


#34
Trichloroethene
Concen: 5.015 ug/L
RT: 5.844 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VV030509.D
Acq: 11 Apr 2023 21:03

Instrument :
MSVOA_V
ClientSampleId :
VSTD005329

Tgt Ion: 95 Resp: 60465

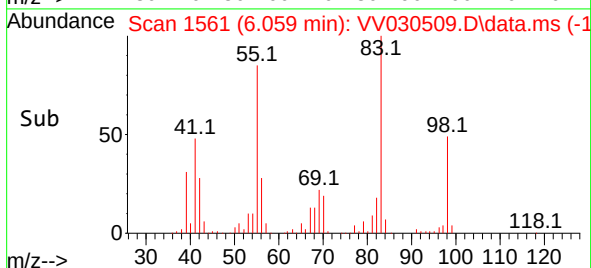
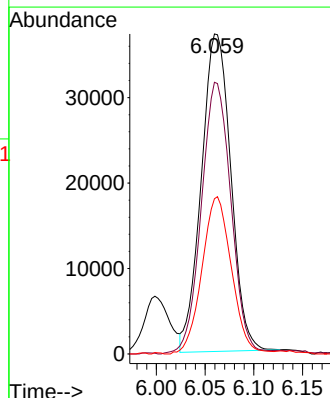
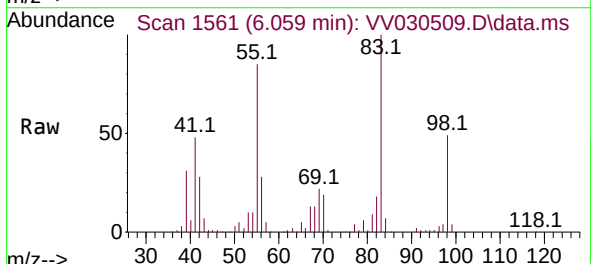
Ion	Ratio	Lower	Upper
95	100		
97	61.7	44.2	82.2
132	96.4	69.5	129.1
130	97.6	72.2	134.0

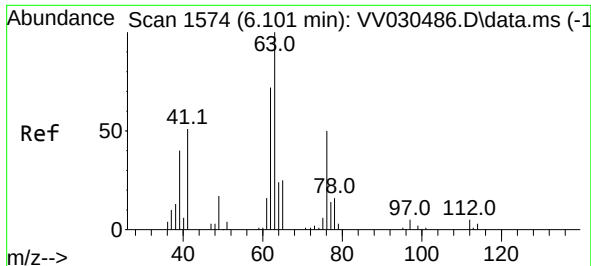


#35
Methylcyclohexane
Concen: 4.137 ug/L
RT: 6.059 min Scan# 1561
Delta R.T. 0.003 min
Lab File: VV030509.D
Acq: 11 Apr 2023 21:03

Tgt Ion: 83 Resp: 78300

Ion	Ratio	Lower	Upper
83	100		
55	86.1	66.6	100.0
98	49.6	38.6	58.0





#37

1,2-Dichloropropane

Concen: 4.543 ug/L

RT: 6.101 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV030509.D

Acq: 11 Apr 2023 21:03

Instrument :

MSVOA_V

ClientSampleId :

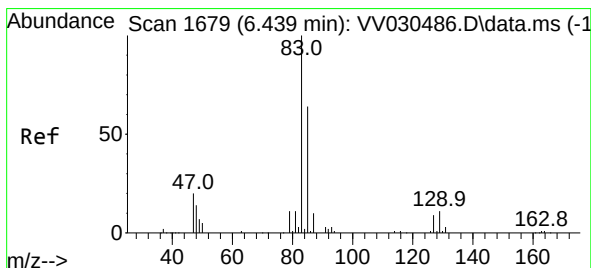
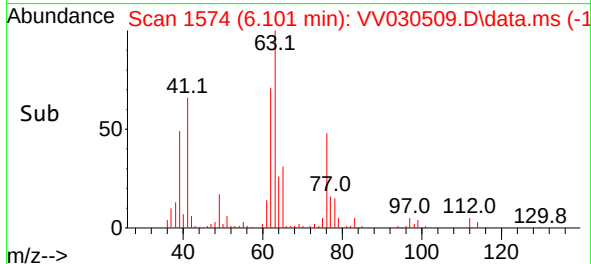
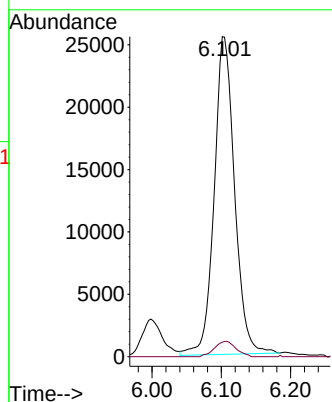
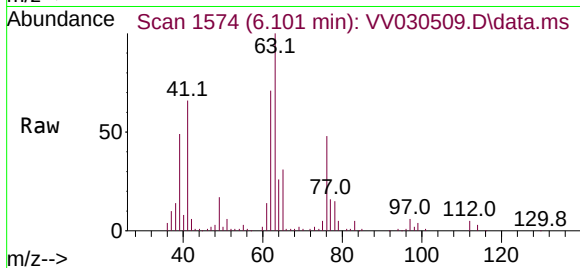
VSTD005329

Tgt Ion: 63 Resp: 52140

Ion Ratio Lower Upper

63 100

112 5.1 3.9 5.9



#38

Bromodichloromethane

Concen: 4.730 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. 0.003 min

Lab File: VV030509.D

Acq: 11 Apr 2023 21:03

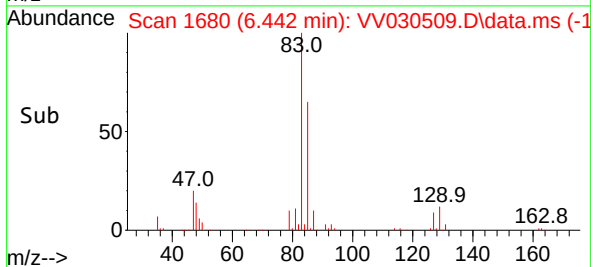
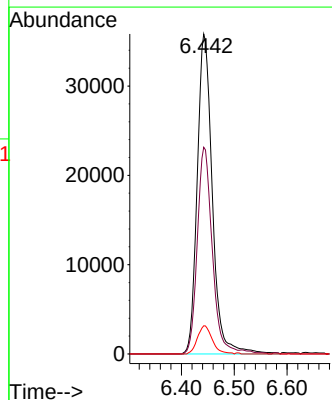
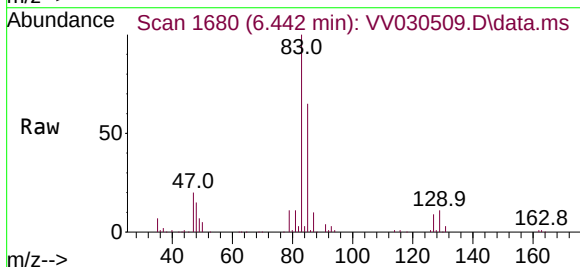
Tgt Ion: 83 Resp: 71099

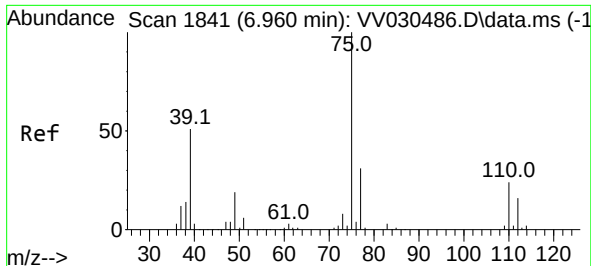
Ion Ratio Lower Upper

83 100

85 64.6 45.3 84.1

127 8.8 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 4.339 ug/L

RT: 6.963 min Scan# 1841

Delta R.T. 0.003 min

Lab File: VV030509.D

Acq: 11 Apr 2023 21:03

Instrument :

MSVOA_V

ClientSampleId :

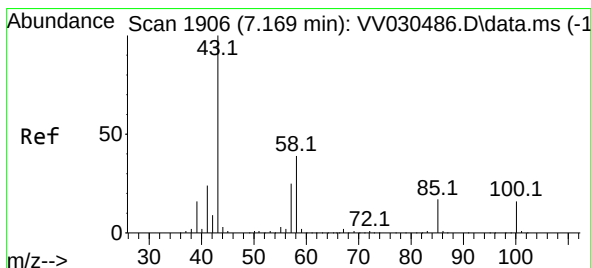
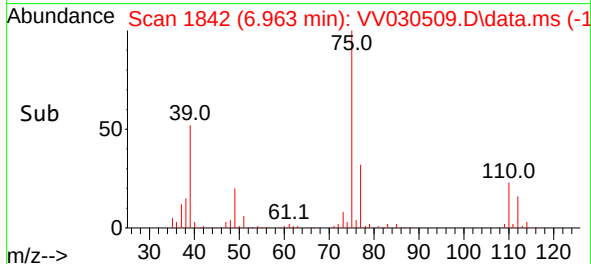
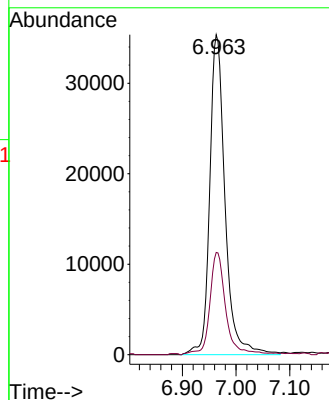
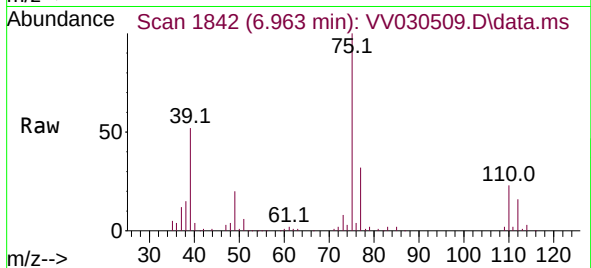
VSTD005329

Tgt Ion: 75 Resp: 70031

Ion Ratio Lower Upper

75 100

77 31.9 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 46.849 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VV030509.D

Acq: 11 Apr 2023 21:03

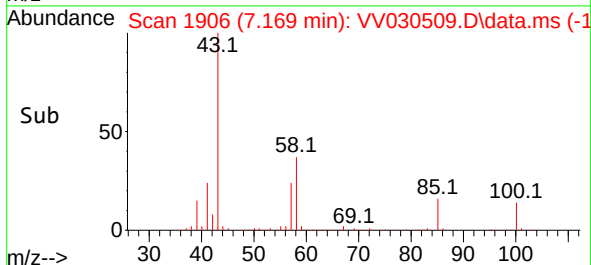
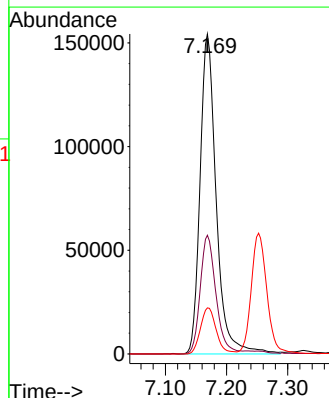
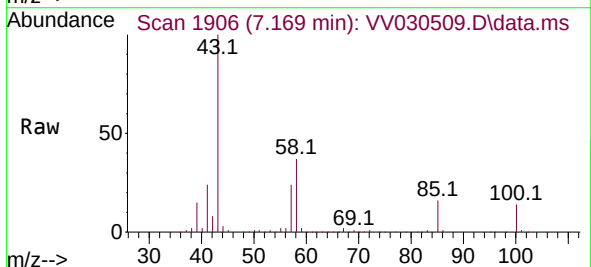
Tgt Ion: 43 Resp: 283342

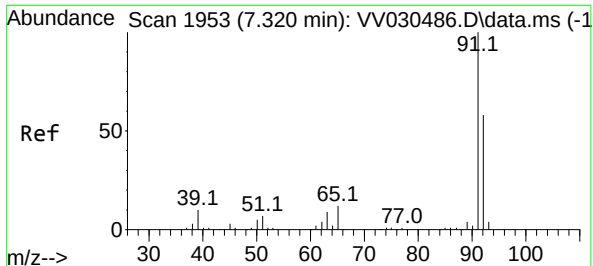
Ion Ratio Lower Upper

43 100

58 36.2 28.8 43.2

100 14.1 10.7 16.1





#42

Toluene

Concen: 4.727 ug/L

RT: 7.326 min Scan# 1953

Delta R.T. 0.006 min

Lab File: VV030509.D

Acq: 11 Apr 2023 21:03

Instrument :

MSVOA_V

ClientSampleId :

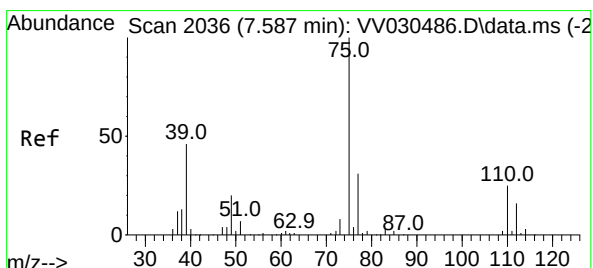
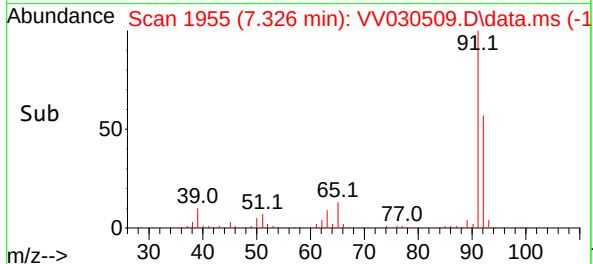
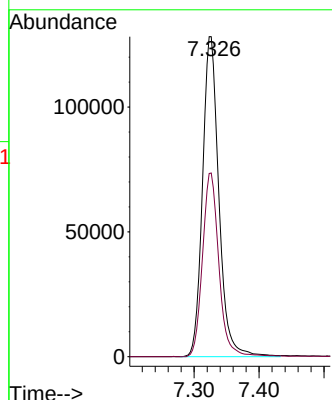
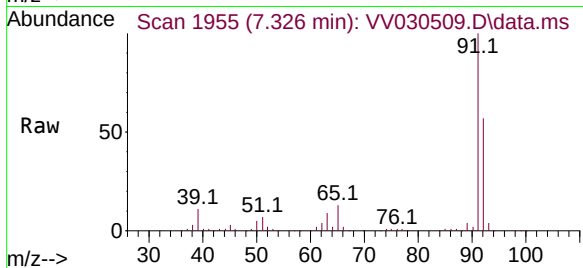
VSTD005329

Tgt Ion: 91 Resp: 225087

Ion Ratio Lower Upper

91 100

92 57.4 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 4.288 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.003 min

Lab File: VV030509.D

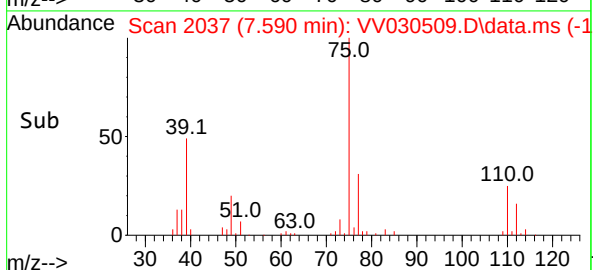
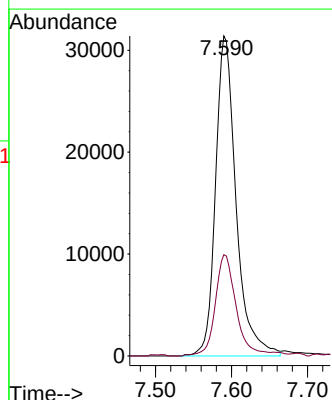
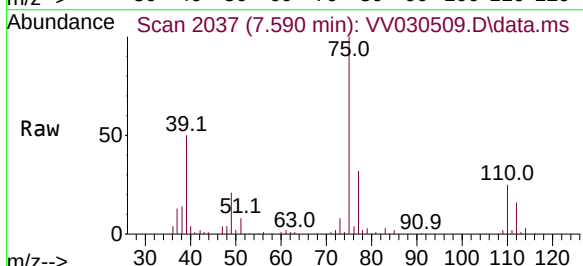
Acq: 11 Apr 2023 21:03

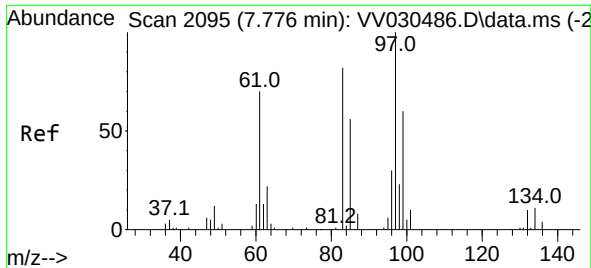
Tgt Ion: 75 Resp: 58890

Ion Ratio Lower Upper

75 100

77 31.6 21.2 39.4



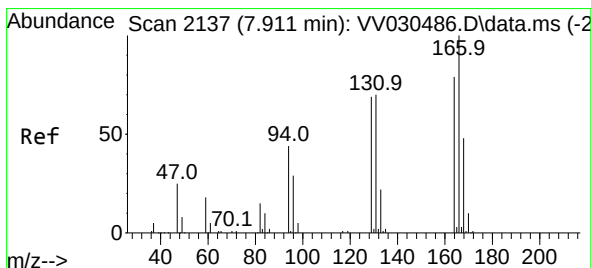
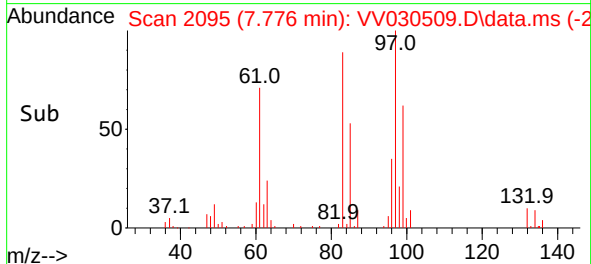
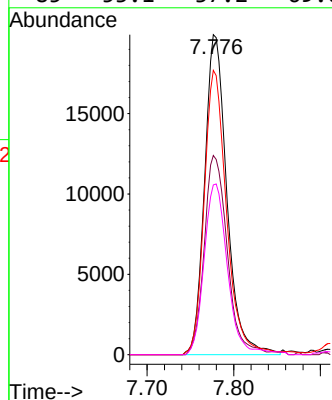
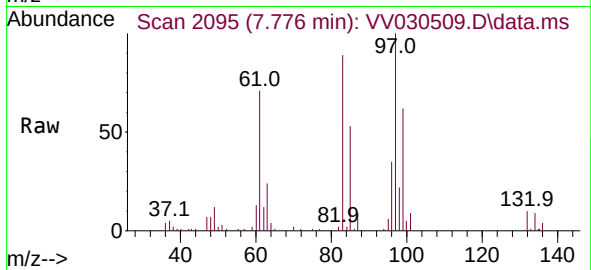


#45
1,1,2-Trichloroethane
Concen: 4.409 ug/L
RT: 7.776 min Scan# 2095
Delta R.T. -0.000 min
Lab File: VV030509.D
Acq: 11 Apr 2023 21:03

Instrument :
MSVOA_V
ClientSampleId :
VSTD005329

Tgt Ion: 97 Resp: 35629

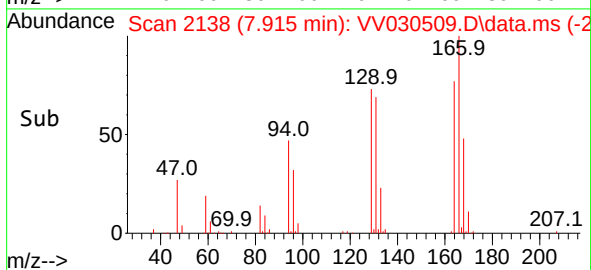
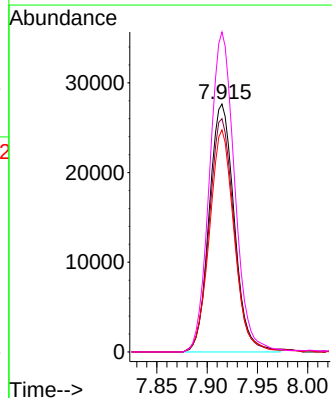
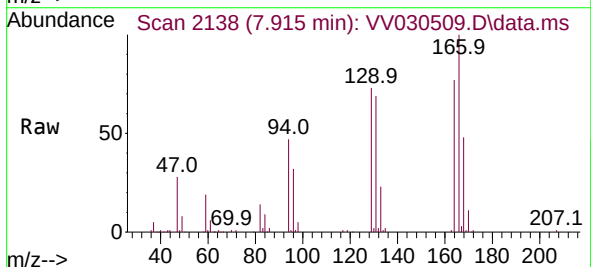
Ion	Ratio	Lower	Upper
97	100		
99	62.3	44.0	81.8
83	88.8	58.8	109.2
85	53.1	37.2	69.0

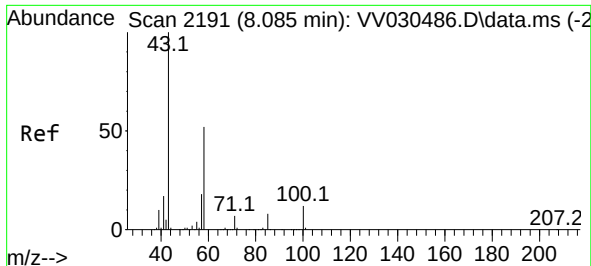


#47
Tetrachloroethene
Concen: 4.499 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. 0.003 min
Lab File: VV030509.D
Acq: 11 Apr 2023 21:03

Tgt Ion: 164 Resp: 47877

Ion	Ratio	Lower	Upper
164	100		
129	94.1	60.8	112.8
131	89.6	61.7	114.7
166	129.1	85.6	159.0

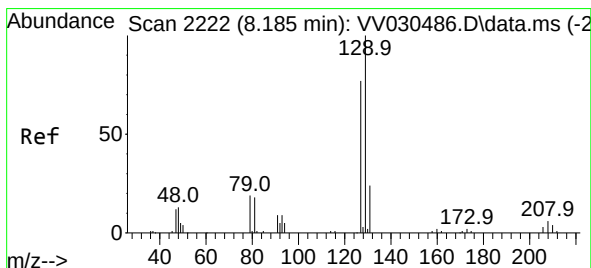
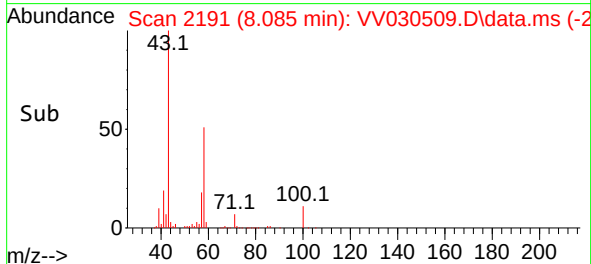
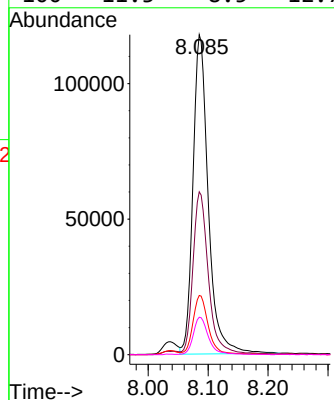
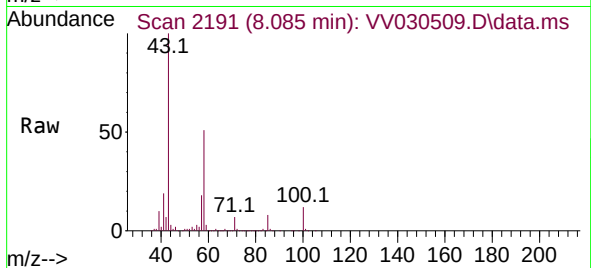




#48
2-Hexanone
Concen: 46.191 ug/L
RT: 8.085 min Scan# 2191
Delta R.T. -0.000 min
Lab File: VV030509.D
Acq: 11 Apr 2023 21:03

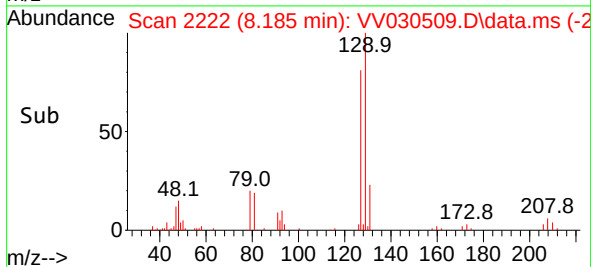
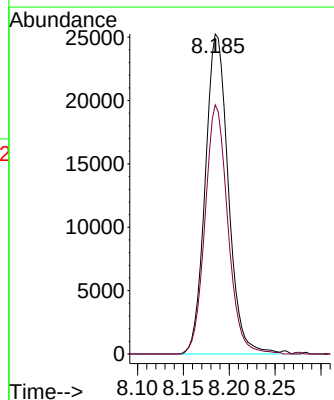
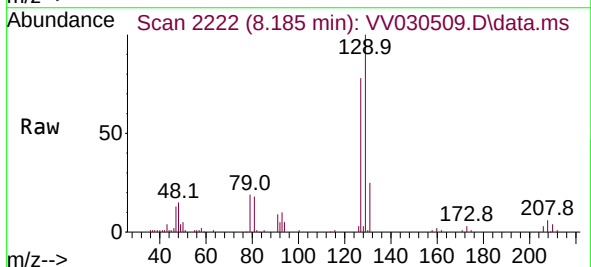
Instrument :
MSVOA_V
ClientSampleId :
VSTD005329

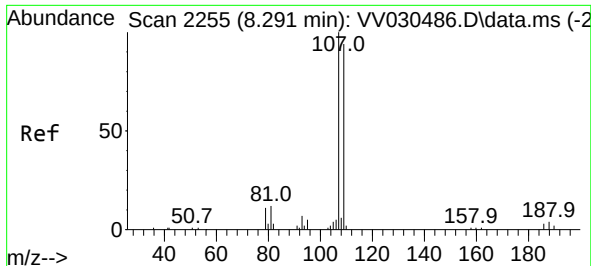
Tgt Ion: 43 Resp: 209224
Ion Ratio Lower Upper
43 100
58 50.6 40.3 60.5
57 18.2 14.6 22.0
100 11.3 8.5 12.7



#49
Dibromochloromethane
Concen: 4.595 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. 0.000 min
Lab File: VV030509.D
Acq: 11 Apr 2023 21:03

Tgt Ion: 129 Resp: 44205
Ion Ratio Lower Upper
129 100
127 77.9 52.7 97.9





#50

1,2-Dibromoethane

Concen: 4.553 ug/L

RT: 8.291 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV030509.D

Acq: 11 Apr 2023 21:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD005329

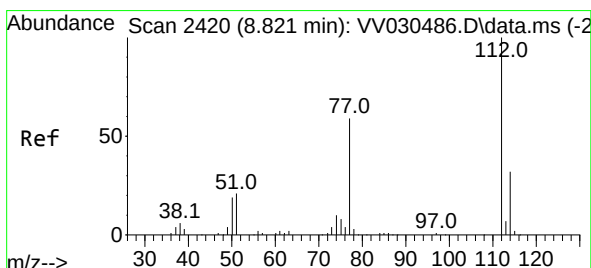
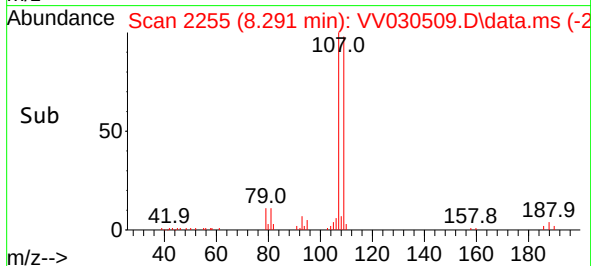
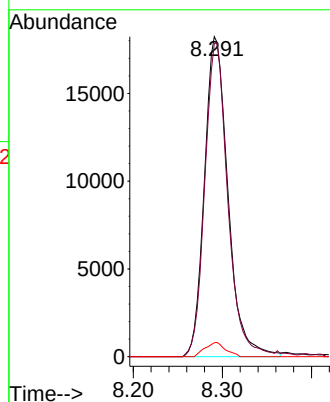
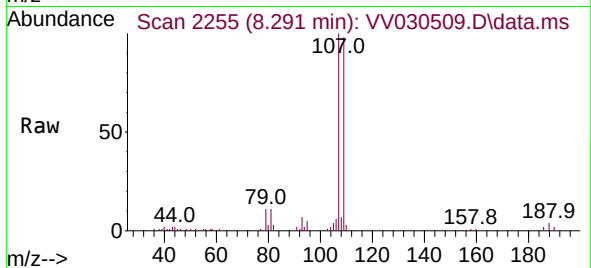
Tgt Ion:107 Resp: 33478

Ion Ratio Lower Upper

107 100

109 97.8 62.9 116.9

188 4.4 3.0 4.6



#51

Chlorobenzene

Concen: 4.588 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. 0.000 min

Lab File: VV030509.D

Acq: 11 Apr 2023 21:03

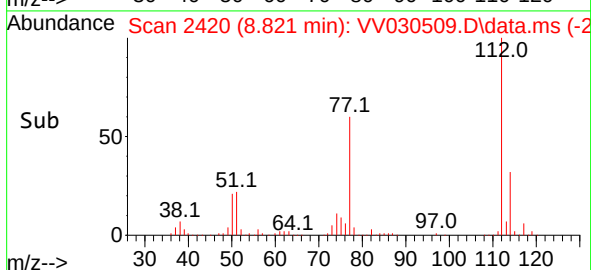
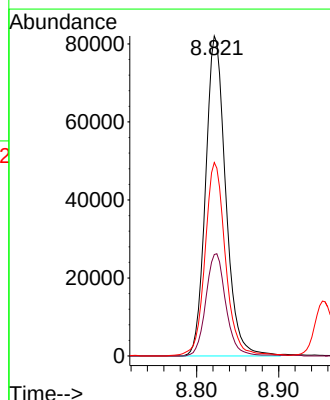
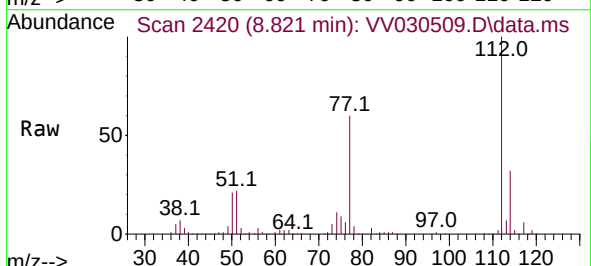
Tgt Ion:112 Resp: 139884

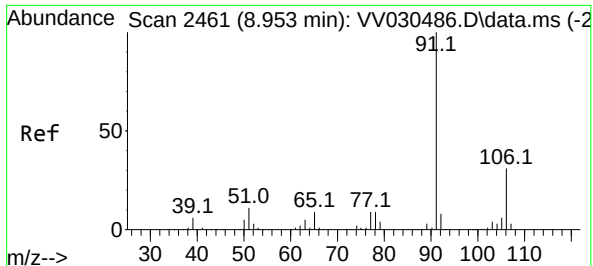
Ion Ratio Lower Upper

112 100

114 31.7 22.4 41.6

77 60.4 45.9 68.9





#52

Ethylbenzene

Concen: 4.518 ug/L

RT: 8.956 min Scan# 2461

Delta R.T. 0.003 min

Lab File: VV030509.D

Acq: 11 Apr 2023 21:03

Instrument :

MSVOA_V

ClientSampleId :

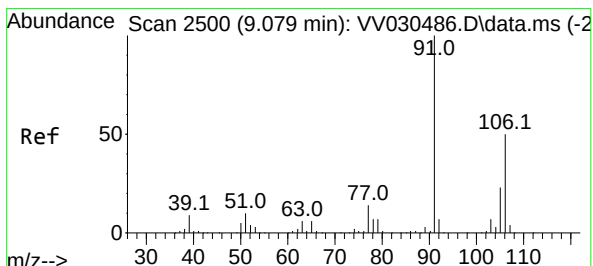
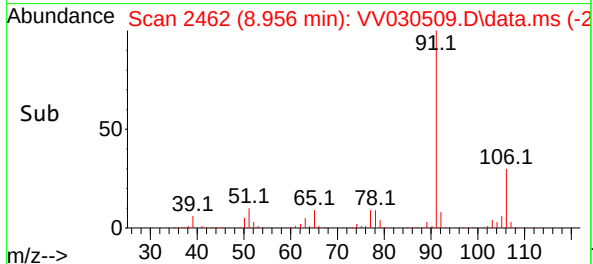
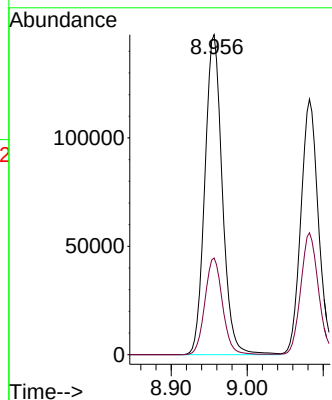
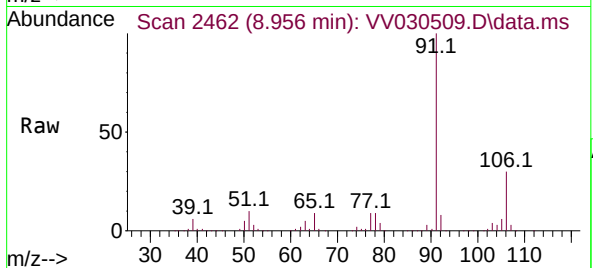
VSTD005329

Tgt Ion: 91 Resp: 235402

Ion Ratio Lower Upper

91 100

106 30.2 22.2 41.2



#53

m,p-Xylene

Concen: 4.569 ug/L

RT: 9.082 min Scan# 2501

Delta R.T. 0.003 min

Lab File: VV030509.D

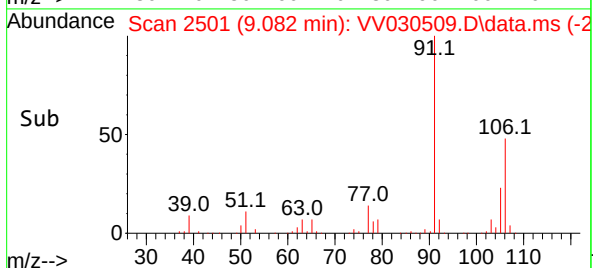
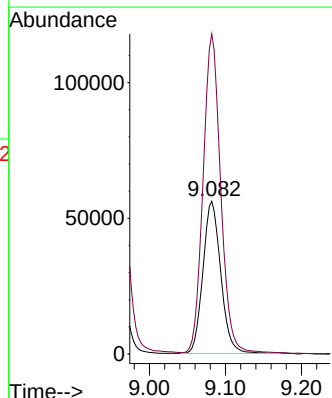
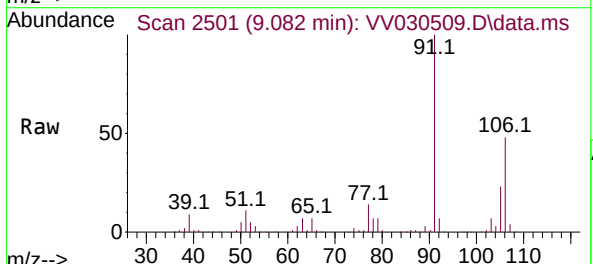
Acq: 11 Apr 2023 21:03

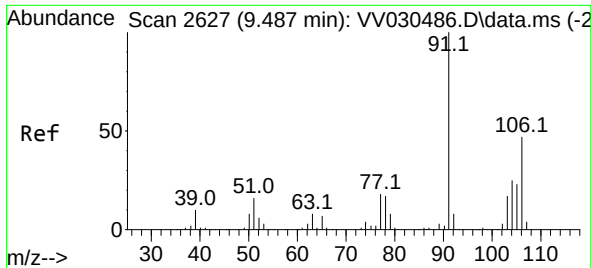
Tgt Ion:106 Resp: 91120

Ion Ratio Lower Upper

106 100

91 209.6 142.4 264.4

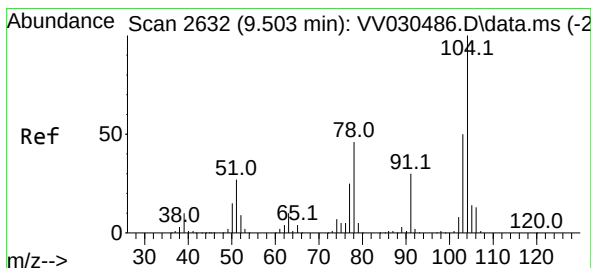
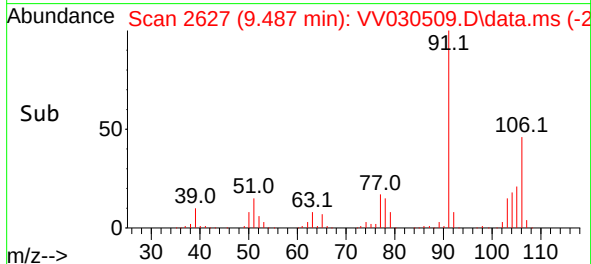
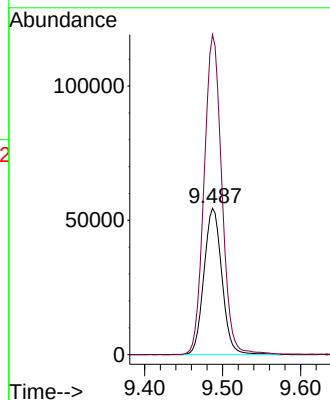
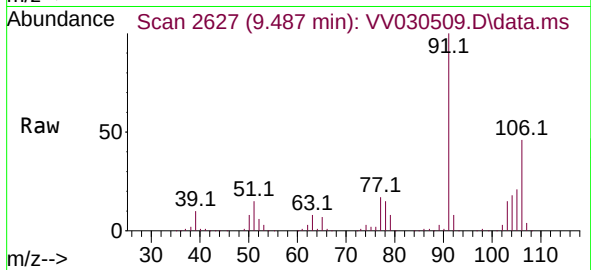




#54
o-Xylene
Concen: 4.582 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. 0.000 min
Lab File: VV030509.D
Acq: 11 Apr 2023 21:03

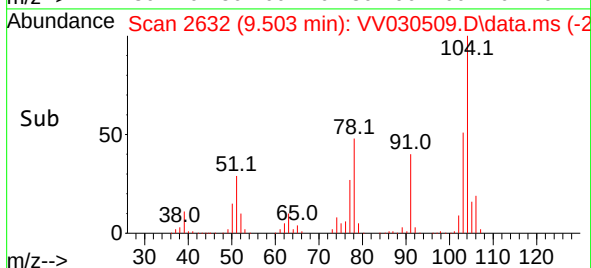
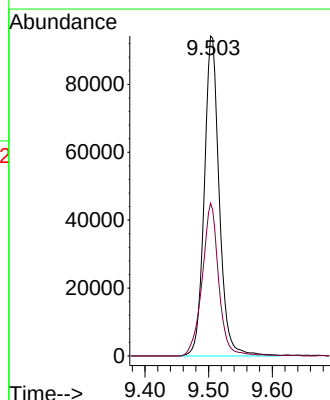
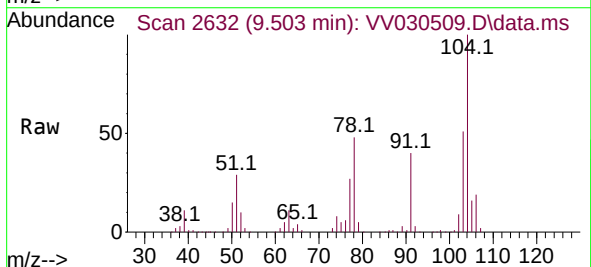
Instrument :
MSVOA_V
ClientSampleId :
VSTD005329

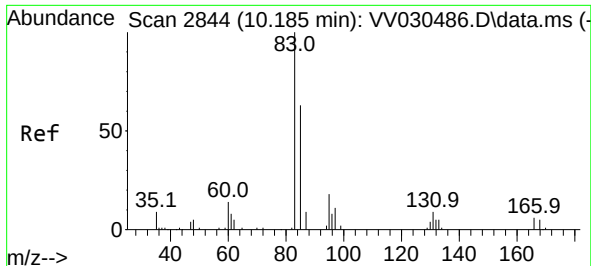
Tgt Ion:106 Resp: 87434
Ion Ratio Lower Upper
106 100
91 218.6 149.8 278.2



#55
Styrene
Concen: 4.757 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. -0.000 min
Lab File: VV030509.D
Acq: 11 Apr 2023 21:03

Tgt Ion:104 Resp: 154175
Ion Ratio Lower Upper
104 100
78 47.7 31.9 59.2





#57

1,1,2,2-Tetrachloroethane

Concen: 4.496 ug/L

RT: 10.188 min Scan# 2844

Delta R.T. 0.003 min

Lab File: VV030509.D

Acq: 11 Apr 2023 21:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD005329

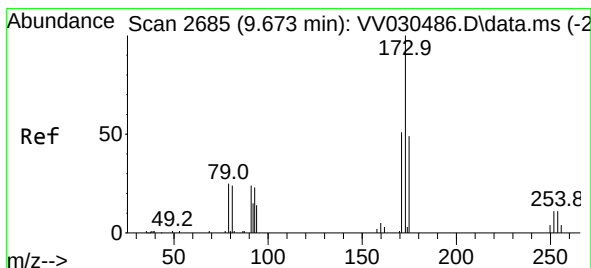
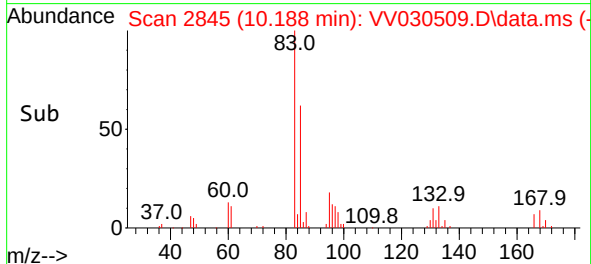
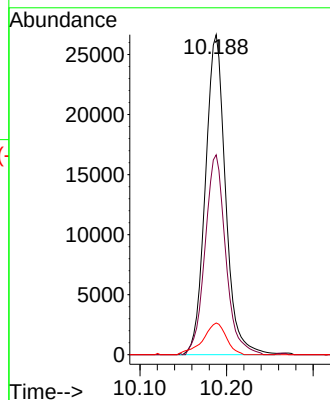
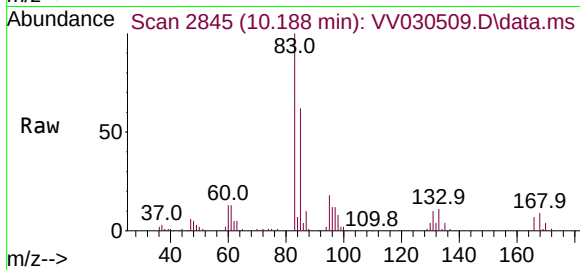
Tgt Ion: 83 Resp: 43128

Ion Ratio Lower Upper

83 100

85 62.5 45.3 84.1

131 9.9 8.2 12.4



#59

Bromoform

Concen: 4.394 ug/L

RT: 9.673 min Scan# 2685

Delta R.T. -0.000 min

Lab File: VV030509.D

Acq: 11 Apr 2023 21:03

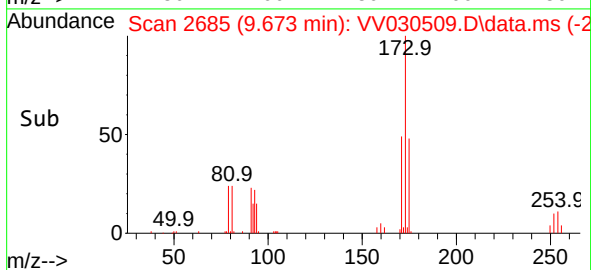
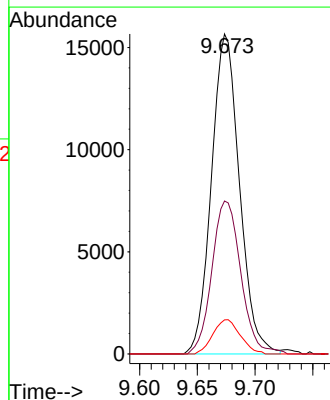
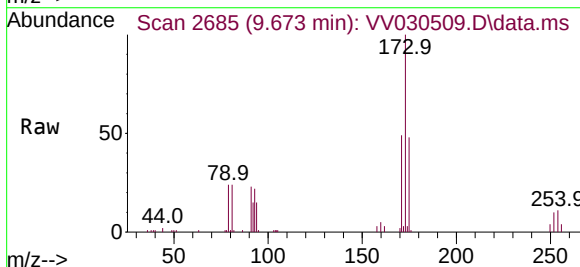
Tgt Ion: 173 Resp: 26400

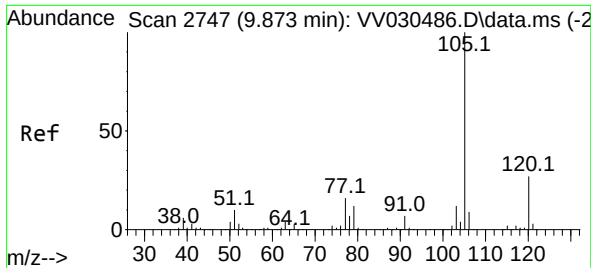
Ion Ratio Lower Upper

173 100

175 49.4 39.0 58.4

254 10.5 8.2 12.4

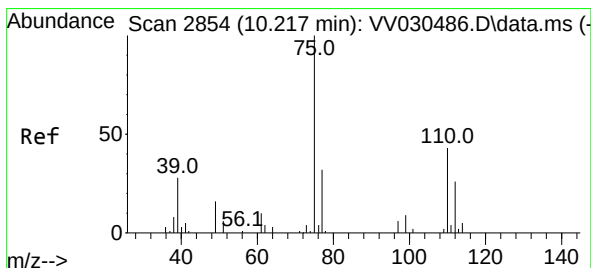
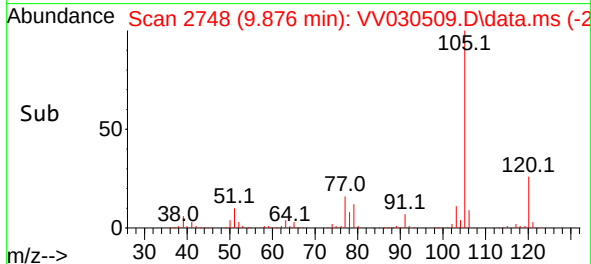
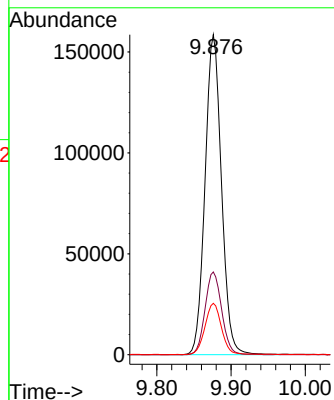
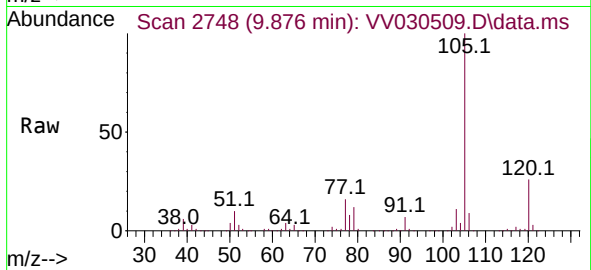




#60
Isopropylbenzene
Concen: 4.432 ug/L
RT: 9.876 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV030509.D
Acq: 11 Apr 2023 21:03

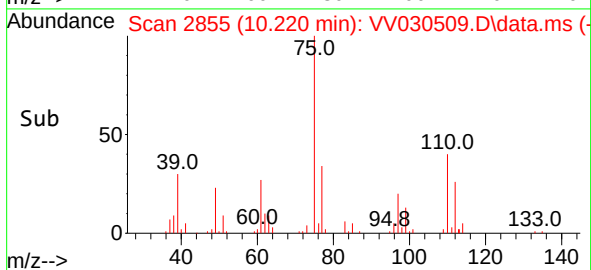
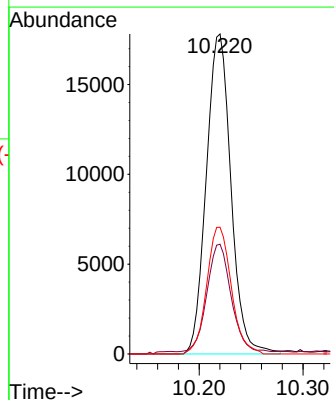
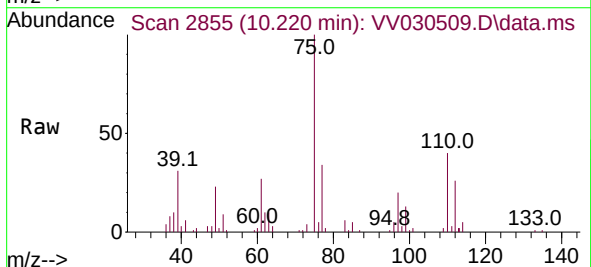
Instrument :
MSVOA_V
ClientSampleId :
VSTD005329

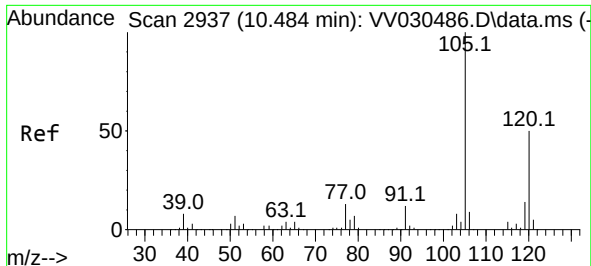
Tgt Ion:105 Resp: 242924
Ion Ratio Lower Upper
105 100
120 26.2 21.1 31.7
77 16.3 12.9 19.3



#61
1,2,3-Trichloropropane
Concen: 4.421 ug/L
RT: 10.220 min Scan# 2855
Delta R.T. 0.003 min
Lab File: VV030509.D
Acq: 11 Apr 2023 21:03

Tgt Ion: 75 Resp: 29383
Ion Ratio Lower Upper
75 100
77 32.6 26.0 39.0
110 39.4 31.6 47.4

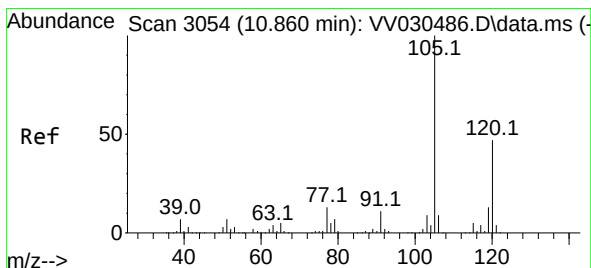
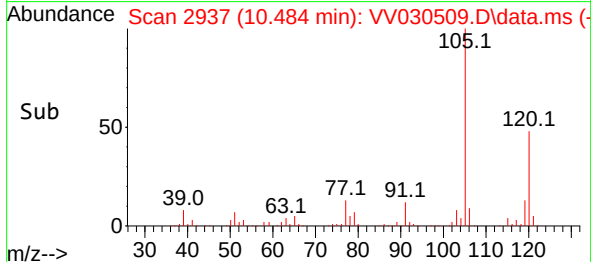
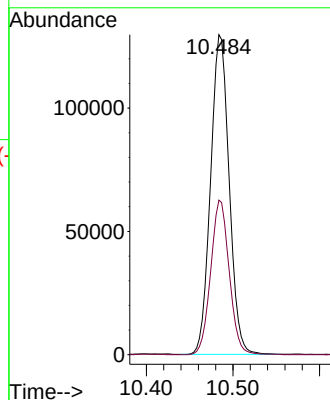
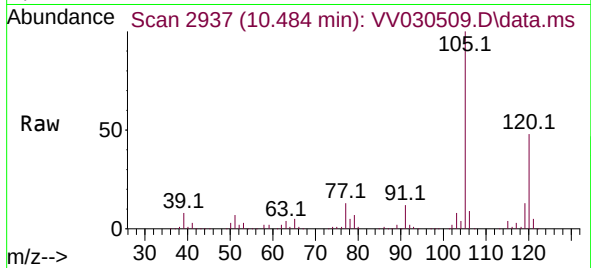




#62
 1,3,5-Trimethylbenzene
 Concen: 4.316 ug/L
 RT: 10.484 min Scan# 2937
 Delta R.T. -0.000 min
 Lab File: VV030509.D
 Acq: 11 Apr 2023 21:03

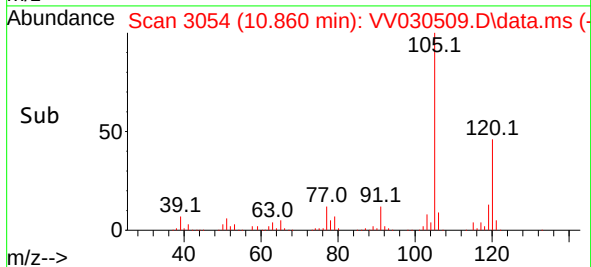
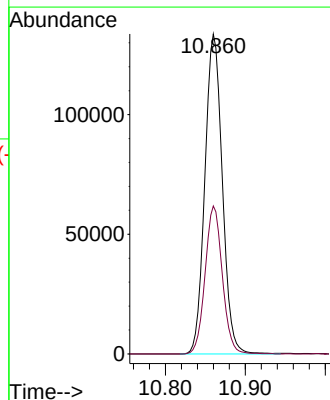
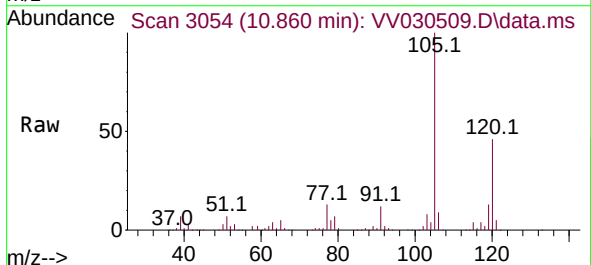
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005329

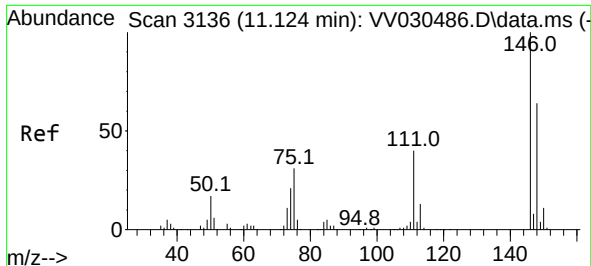
Tgt Ion:105 Resp: 193058
 Ion Ratio Lower Upper
 105 100
 120 48.3 38.9 58.3



#63
 1,2,4-Trimethylbenzene
 Concen: 4.465 ug/L
 RT: 10.860 min Scan# 3054
 Delta R.T. 0.000 min
 Lab File: VV030509.D
 Acq: 11 Apr 2023 21:03

Tgt Ion:105 Resp: 203543
 Ion Ratio Lower Upper
 105 100
 120 45.6 36.8 55.2

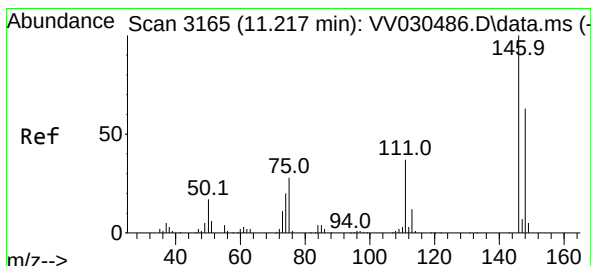
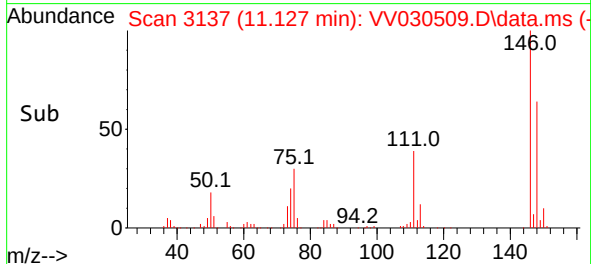
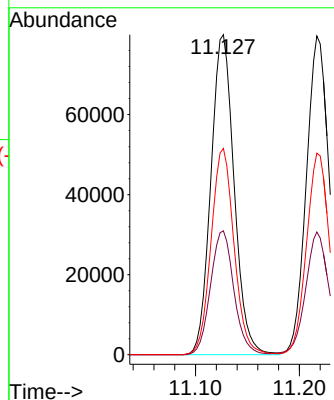
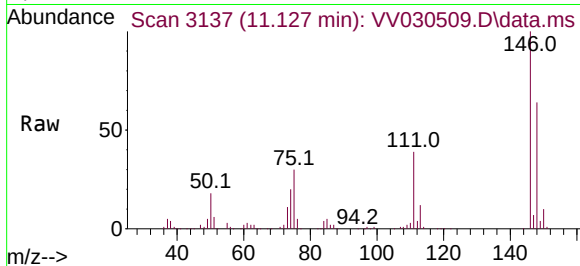




#64
 1,3-Dichlorobenzene
 Concen: 4.547 ug/L
 RT: 11.127 min Scan# 3136
 Delta R.T. 0.003 min
 Lab File: VV030509.D
 Acq: 11 Apr 2023 21:03

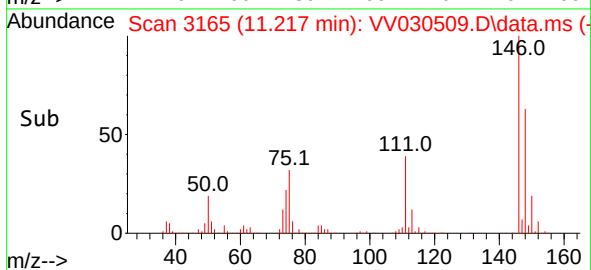
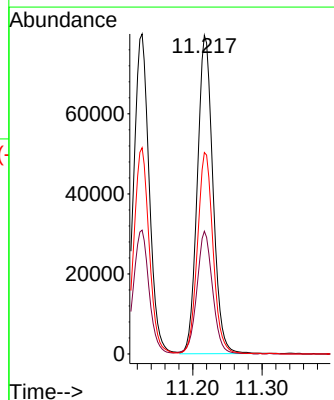
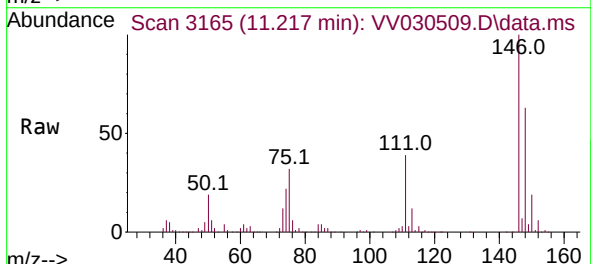
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005329

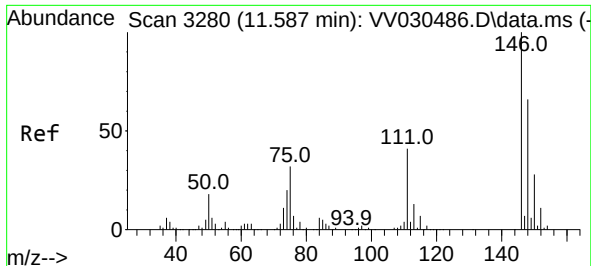
Tgt Ion:146 Resp: 124294
 Ion Ratio Lower Upper
 146 100
 111 38.7 27.0 50.2
 148 64.5 44.2 82.2



#65
 1,4-Dichlorobenzene
 Concen: 4.525 ug/L
 RT: 11.217 min Scan# 3165
 Delta R.T. 0.000 min
 Lab File: VV030509.D
 Acq: 11 Apr 2023 21:03

Tgt Ion:146 Resp: 124601
 Ion Ratio Lower Upper
 146 100
 111 38.5 26.0 48.4
 148 63.2 45.2 84.0





#67

1,2-Dichlorobenzene

Concen: 4.508 ug/L

RT: 11.587 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV030509.D

Acq: 11 Apr 2023 21:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD005329

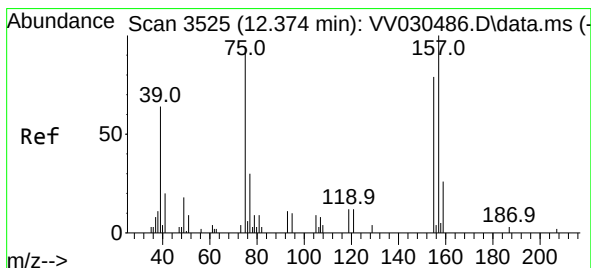
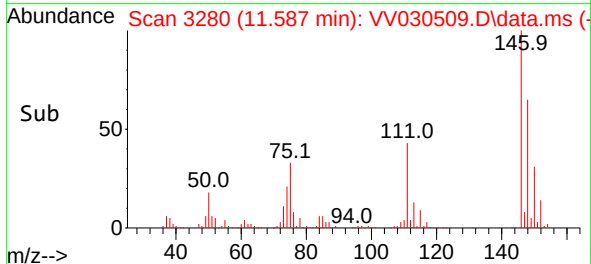
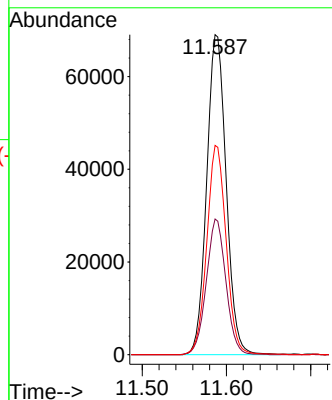
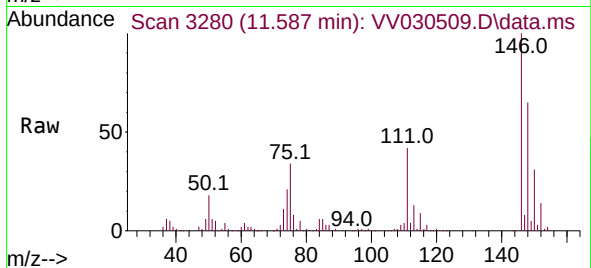
Tgt Ion:146 Resp: 111036

Ion Ratio Lower Upper

146 100

111 42.4 33.1 49.7

148 65.4 52.2 78.2



#68

1,2-Dibromo-3-chloropropane

Concen: 4.282 ug/L

RT: 12.374 min Scan# 3525

Delta R.T. -0.000 min

Lab File: VV030509.D

Acq: 11 Apr 2023 21:03

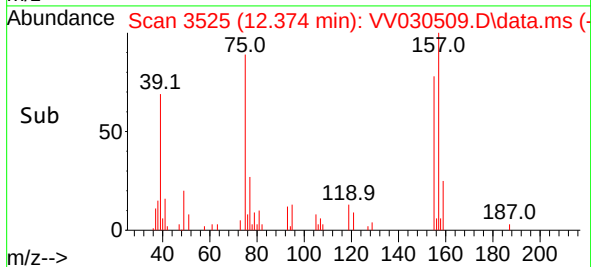
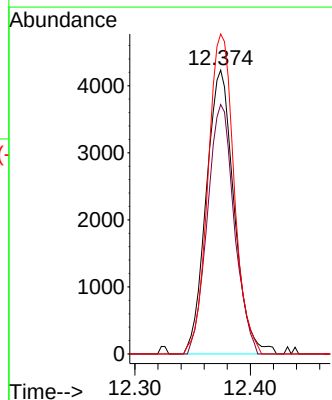
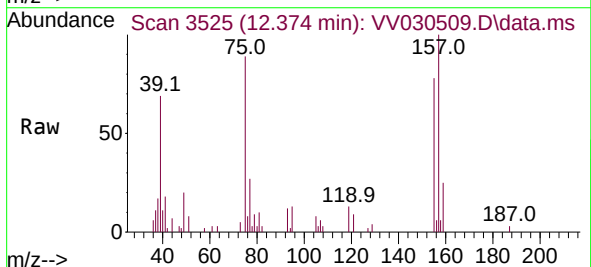
Tgt Ion: 75 Resp: 7078

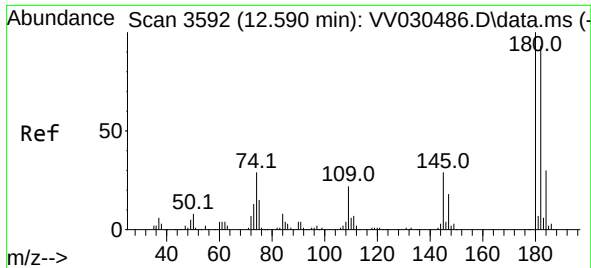
Ion Ratio Lower Upper

75 100

155 87.9 64.6 96.8

157 112.7 83.8 125.6

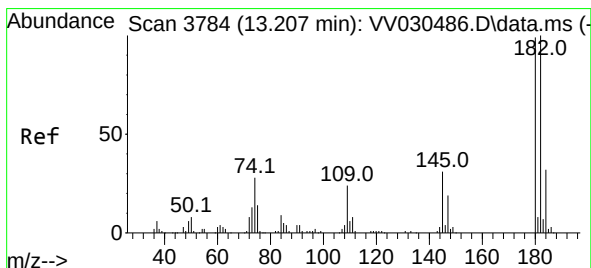
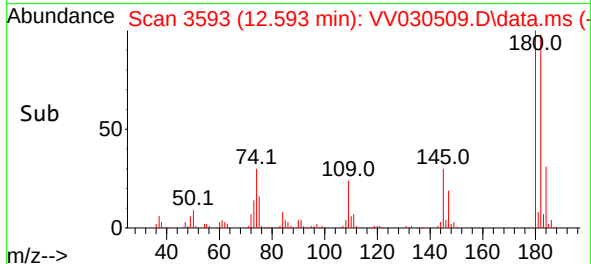
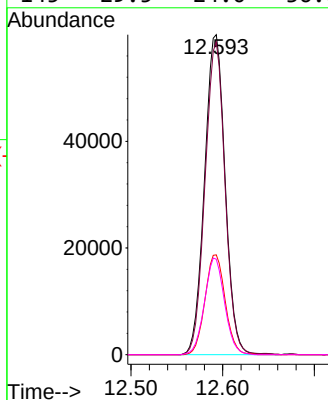
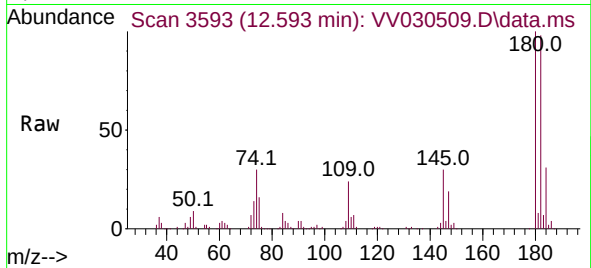




#69
1,3,5-Trichlorobenzene
Concen: 4.450 ug/L
RT: 12.593 min Scan# 3593
Delta R.T. 0.003 min
Lab File: VV030509.D
Acq: 11 Apr 2023 21:03

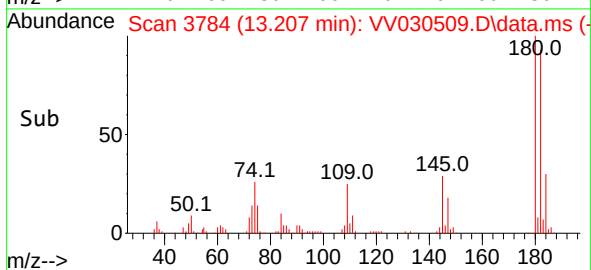
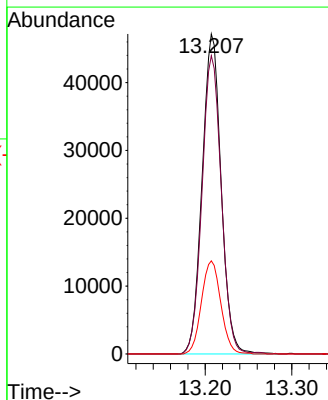
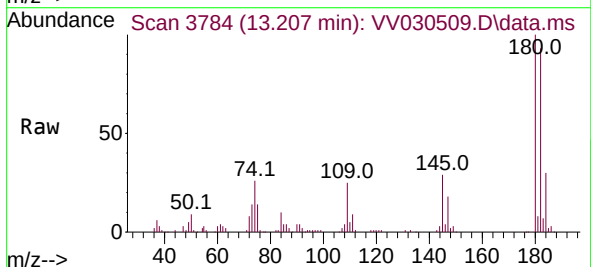
Instrument :
MSVOA_V
ClientSampleId :
VSTD005329

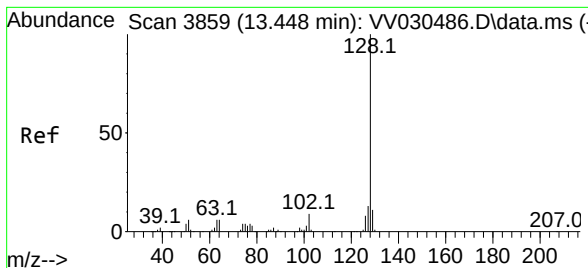
Tgt Ion:180	Resp:	93661
Ion Ratio	Lower	Upper
180	100	
182	94.7	76.5 114.7
184	30.6	24.0 36.0
145	29.5	24.0 36.0



#70
1,2,4-trichlorobenzene
Concen: 4.413 ug/L
RT: 13.207 min Scan# 3784
Delta R.T. -0.000 min
Lab File: VV030509.D
Acq: 11 Apr 2023 21:03

Tgt Ion:180	Resp:	71718
Ion Ratio	Lower	Upper
180	100	
182	94.2	75.3 112.9
145	29.6	23.8 35.6





#71

Naphthalene

Concen: 3.968 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. -0.000 min

Lab File: VV030509.D

Acq: 11 Apr 2023 21:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD005329

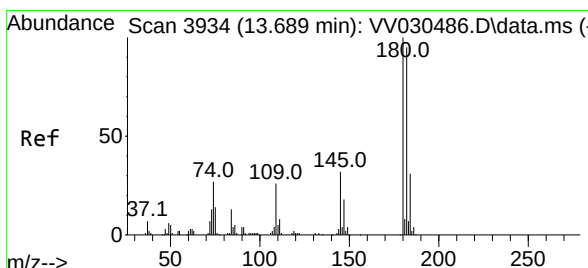
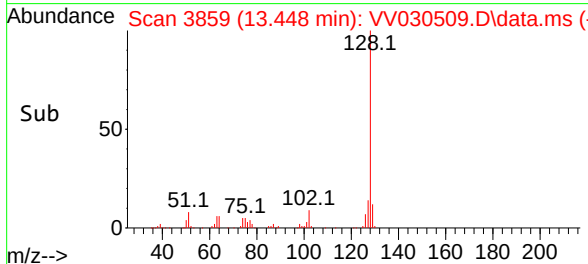
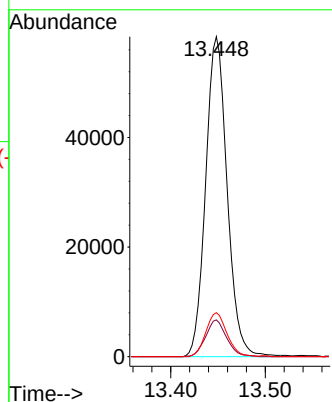
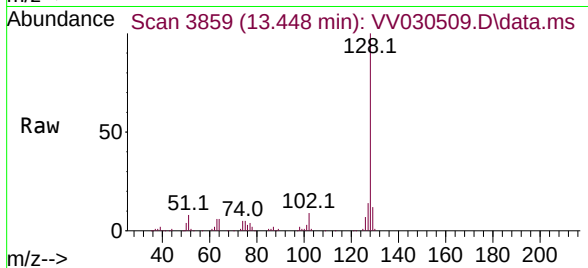
Tgt Ion:128 Resp: 92082

Ion Ratio Lower Upper

128 100

129 11.3 8.9 13.3

127 13.5 10.8 16.2



#72

1,2,3-Trichlorobenzene

Concen: 4.305 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. -0.000 min

Lab File: VV030509.D

Acq: 11 Apr 2023 21:03

Tgt Ion:180 Resp: 60602

Ion Ratio Lower Upper

180 100

182 95.7 76.6 115.0

145 31.7 25.0 37.4

