

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW091523\
 Data File : VW032111.D
 Acq On : 15 Sep 2023 10:54
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 16 02:07:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 15 08:00:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	227214	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	220769	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	121603	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	97843	68.807	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 137.620%#	
7) Chloroethane-d5	1.529	69	77809	62.420	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 124.840%	
11) 1,1-Dichloroethene-d2	2.056	65	39825	59.811	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 119.620%	
21) 2-Butanone-d5	3.783	46	122523	109.553	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 109.550%	
24) Chloroform-d	4.249	84	167645	53.938	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 107.880%	
26) 1,2-Dichloroethane-d4	4.941	65	101034	48.983	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 97.960%	
32) Benzene-d6	4.960	84	342030	56.777	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 113.560%	
36) 1,2-Dichloropropane-d6	5.989	67	108873	56.150	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 112.300%	
41) Toluene-d8	7.243	98	314774	56.709	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 113.420%	
43) trans-1,3-Dichloroprop...	7.555	79	52649	52.388	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 104.780%	
47) 2-Hexanone-d5	8.027	63	81817	137.672	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 137.670%#	
56) 1,1,2,2-Tetrachloroeth...	10.156	84	142211	56.757	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 113.520%	
66) 1,2-Dichlorobenzene-d4	11.564	152	119440	53.880	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 107.760%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	57933	41.882	ug/L	99
3) Chloromethane	1.214	50	64540	45.757	ug/L	99
5) Vinyl chloride	1.282	62	68018	45.155	ug/L	99
6) Bromomethane	1.484	94	41713	47.032	ug/L	98
8) Chloroethane	1.548	64	46115	46.066	ug/L	99
9) Trichlorofluoromethane	1.712	101	102676	46.761	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	67243	50.719	ug/L	99
12) 1,1-Dichloroethene	2.069	96	54543	45.803	ug/L	95
13) Acetone	2.111	43	103106	103.580	ug/L	97
14) Carbon disulfide	2.240	76	116743	43.024	ug/L	100
15) Methyl Acetate	2.372	43	91704	51.655	ug/L	98
16) Methylene chloride	2.445	84	76706	50.126	ug/L	99
17) trans-1,2-Dichloroethene	2.693	96	62319	47.734	ug/L	94
18) Methyl tert-butyl Ether	2.703	73	261014	47.305	ug/L	98
19) 1,1-Dichloroethane	3.111	63	143946	49.199	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	82188	50.178	ug/L	94
22) 2-Butanone	3.863	43	132871	100.876	ug/L	97
23) Bromochloromethane	4.146	128	40554	51.033	ug/L	98
25) Chloroform	4.275	83	148040	48.665	ug/L	100

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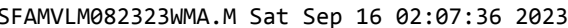
Instrument :
 MSVOA_V
 ClientSampleId :

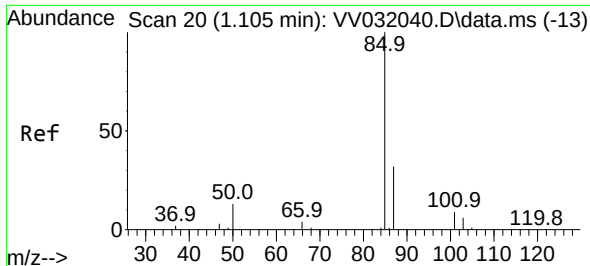
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 15 08:00:54 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	107441	44.831	ug/L	97
29) Cyclohexane	4.584	56	105432	45.867	ug/L	97
30) 1,1,1-Trichloroethane	4.513	97	120551	46.814	ug/L	99
31) Carbon tetrachloride	4.735	117	98708	45.142	ug/L	99
33) Benzene	5.011	78	292746	49.351	ug/L	100
34) Trichloroethene	5.834	95	80191	44.203	ug/L	98
35) Methylcyclohexane	6.050	83	106141	43.987	ug/L	97
37) 1,2-Dichloropropane	6.095	63	84975	50.539	ug/L	99
38) Bromodichloromethane	6.432	83	115123	48.238	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	139031	47.561	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	270405	101.326	ug/L	98
42) Toluene	7.317	91	320765	49.158	ug/L	100
44) trans-1,3-Dichloropropene	7.584	75	128876	45.885	ug/L	99
45) 1,1,2-Trichloroethane	7.770	97	88970	52.377	ug/L	99
46) Tetrachloroethene	7.905	164	55964	49.129	ug/L	99
48) 2-Hexanone	8.075	43	202427	99.327	ug/L	99
49) Dibromochloromethane	8.178	129	85917	49.221	ug/L	99
50) 1,2-Dibromoethane	8.284	107	87186	49.004	ug/L	97
51) Chlorobenzene	8.815	112	214213	49.406	ug/L	98
52) Ethylbenzene	8.947	91	369078	47.750	ug/L	99
53) m,p-Xylene	9.075	106	135359	47.165	ug/L	98
54) o-Xylene	9.481	106	135807	47.579	ug/L	98
55) Styrene	9.497	104	243006	48.159	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.182	83	138484	57.590	ug/L	99
59) Bromoform	9.667	173	61439	48.722	ug/L	99
60) Isopropylbenzene	9.870	105	380891	46.765	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	110522	48.107	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	309397	45.153	ug/L	99
63) 1,2,4-Trimethylbenzene	10.854	105	312611	45.351	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	178886	49.007	ug/L	98
65) 1,4-Dichlorobenzene	11.210	146	182588	49.193	ug/L	99
67) 1,2-Dichlorobenzene	11.583	146	179312	49.574	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	28499	41.298	ug/L	88
69) 1,3,5-Trichlorobenzene	12.587	180	128345	48.232	ug/L	98
70) 1,2,4-trichlorobenzene	13.201	180	125142	48.994	ug/L	99
71) Naphthalene	13.442	128	393711	48.245	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	123127	50.306	ug/L	99

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

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QLast Update : Fri Sep 15 08:00:54 2023
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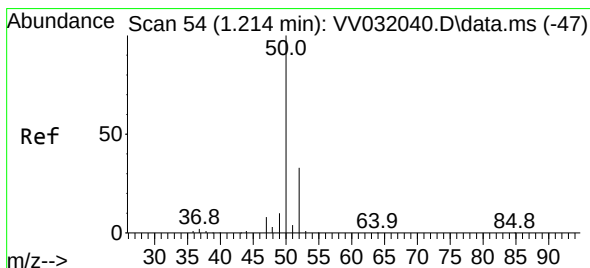
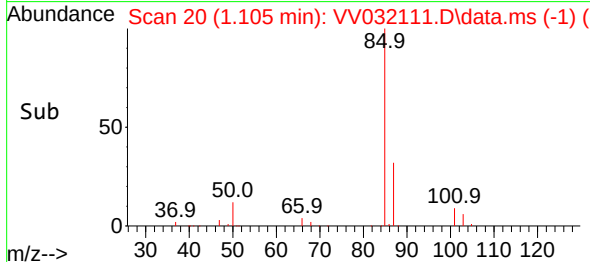
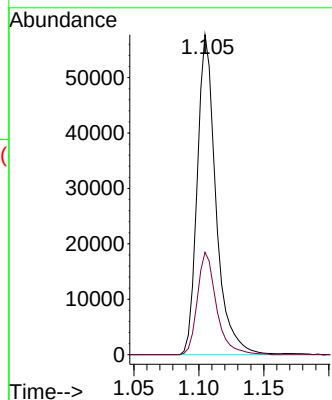
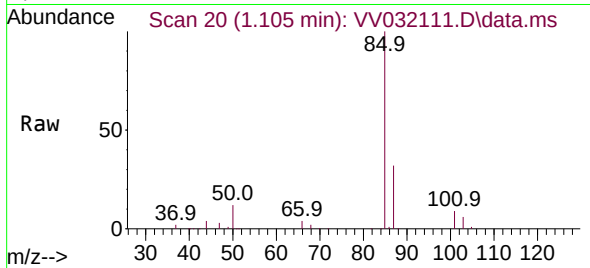




#2
 Dichlorodifluoromethane
 Concen: 41.882 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV032111.D
 Acq: 15 Sep 2023 10:54

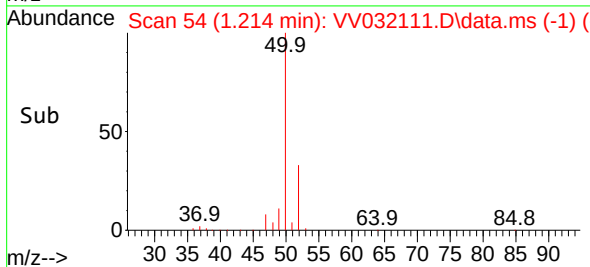
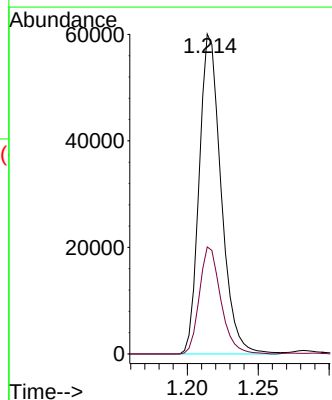
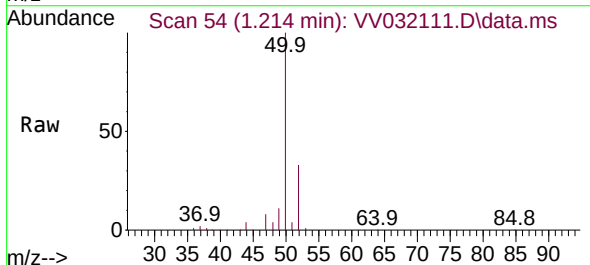
Instrument :
 MSVOA_V
 ClientSampleId :

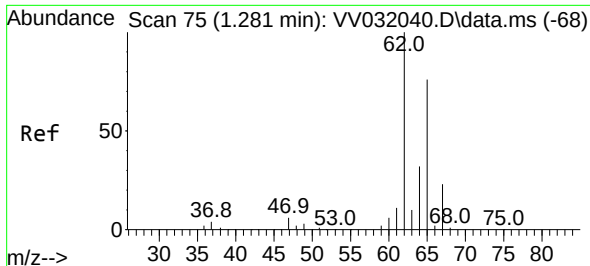
Tgt Ion: 85 Resp: 57933
 Ion Ratio Lower Upper
 85 100
 87 32.6 26.8 40.2



#3
 Chloromethane
 Concen: 45.757 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.003 min
 Lab File: VV032111.D
 Acq: 15 Sep 2023 10:54

Tgt Ion: 50 Resp: 64540
 Ion Ratio Lower Upper
 50 100
 52 33.4 23.0 42.6

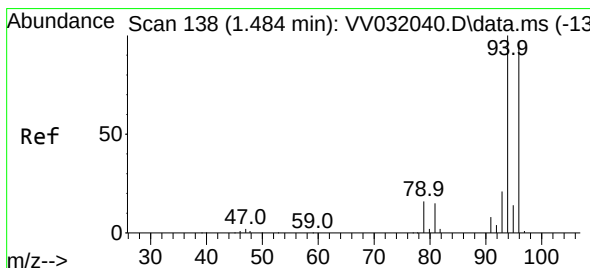
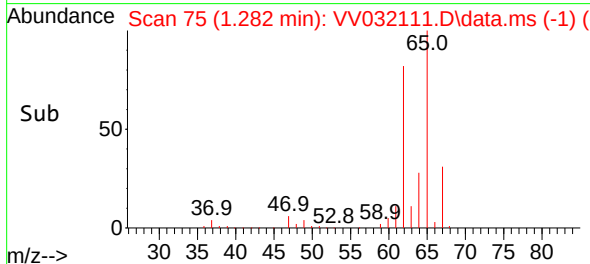
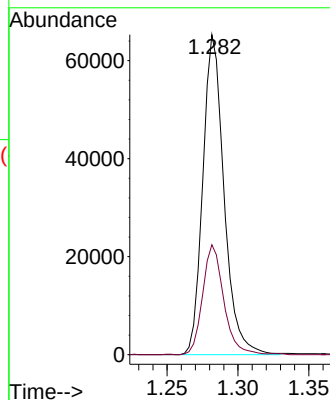
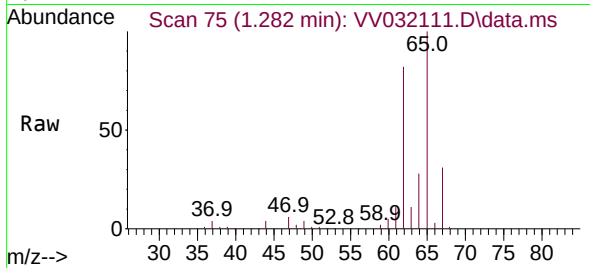




#5
 Vinyl chloride
 Concen: 45.155 ug/L
 RT: 1.282 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VV032111.D
 Acq: 15 Sep 2023 10:54

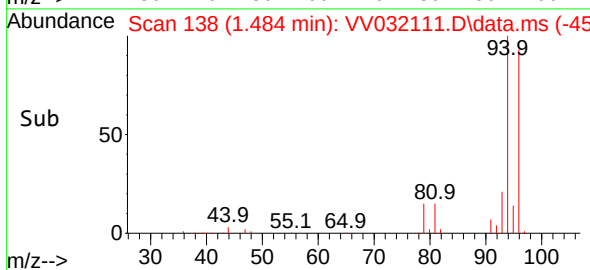
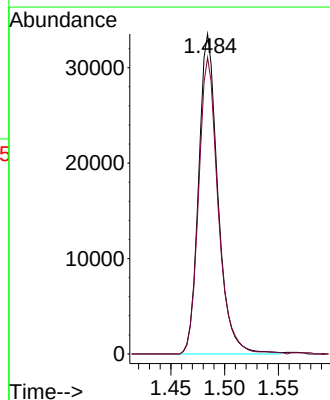
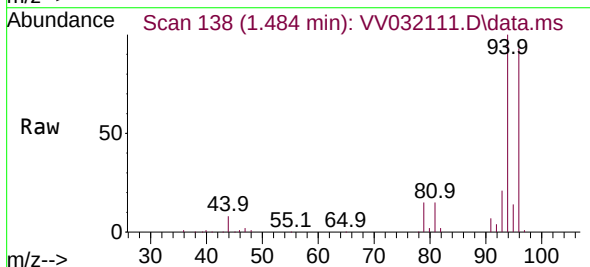
Instrument :
 MSVOA_V
 ClientSampleId :

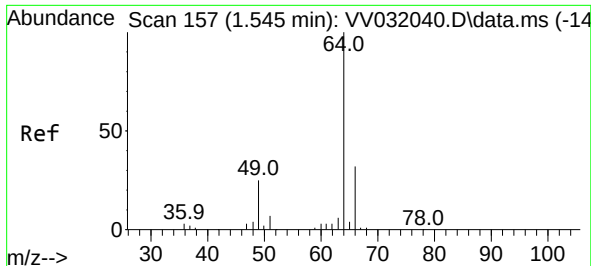
Tgt Ion: 62 Resp: 68018
 Ion Ratio Lower Upper
 62 100
 64 34.4 23.6 43.8



#6
 Bromomethane
 Concen: 47.032 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. -0.000 min
 Lab File: VV032111.D
 Acq: 15 Sep 2023 10:54

Tgt Ion: 94 Resp: 41713
 Ion Ratio Lower Upper
 94 100
 96 92.7 66.4 123.4

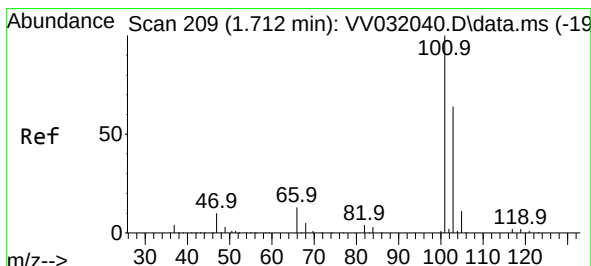
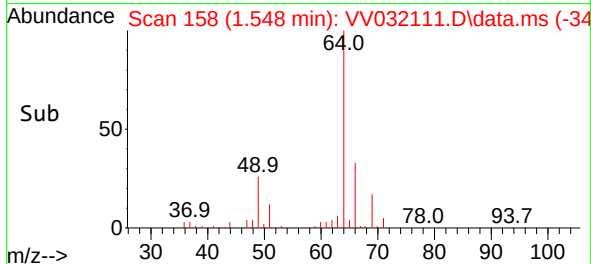
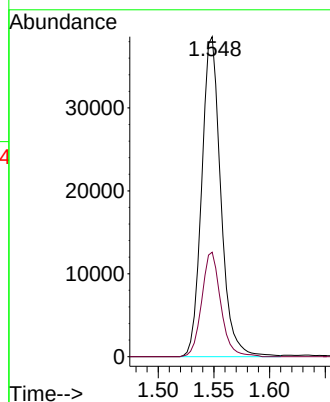
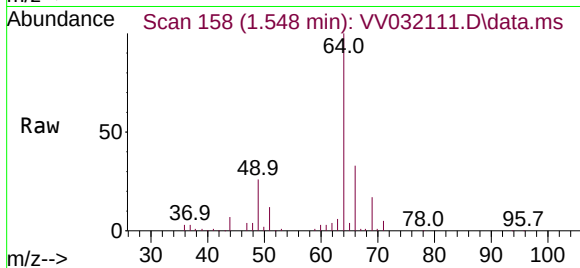




#8
Chloroethane
Concen: 46.066 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV032111.D
Acq: 15 Sep 2023 10:54

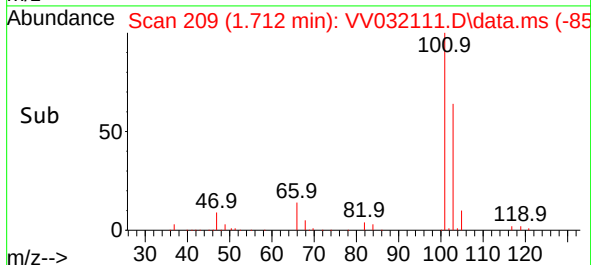
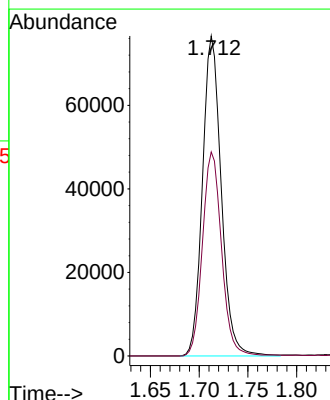
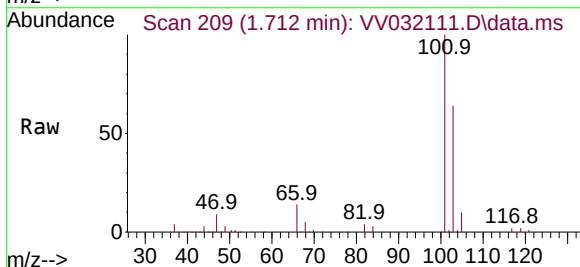
Instrument :
MSVOA_V
ClientSampleId :

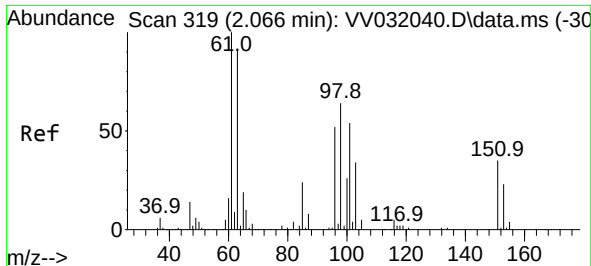
Tgt Ion: 64 Resp: 46115
Ion Ratio Lower Upper
64 100
66 32.6 23.2 43.2



#9
Trichlorofluoromethane
Concen: 46.761 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV032111.D
Acq: 15 Sep 2023 10:54

Tgt Ion:101 Resp: 102676
Ion Ratio Lower Upper
101 100
103 64.6 51.9 77.9





#10

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

Concen: 50.719 ug/L

RT: 2.066 min Scan# 319

Delta R.T. -0.003 min

Lab File: VV032111.D

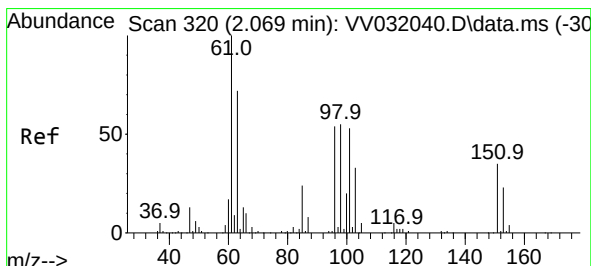
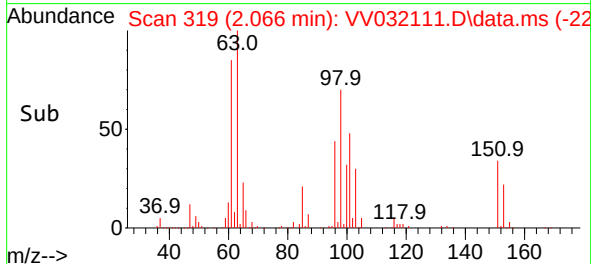
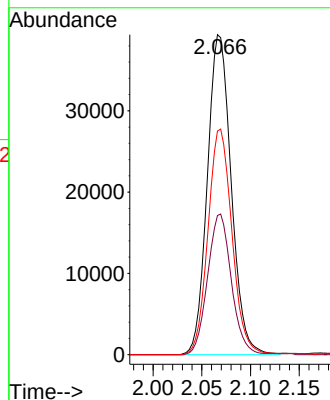
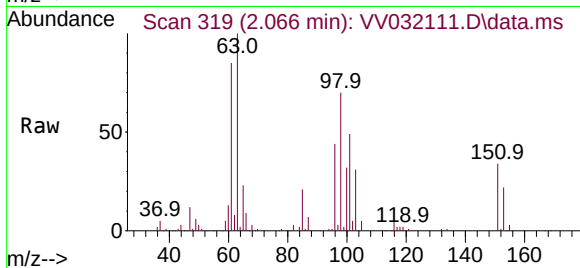
Acq: 15 Sep 2023 10:54

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:101	Resp:	67243
Ion Ratio	Lower	Upper
101	100	
85	43.5	35.8 53.8
151	70.8	56.5 84.7



#12

1,1-Dichloroethene

Concen: 45.803 ug/L

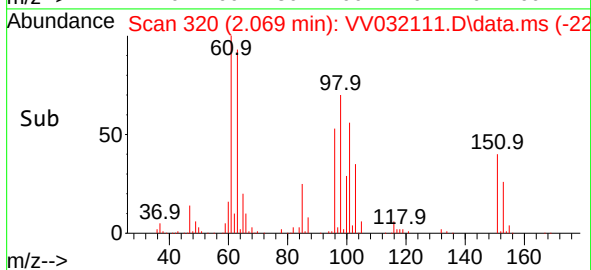
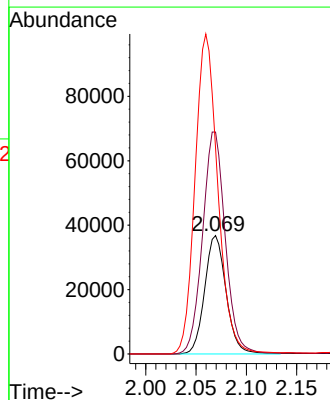
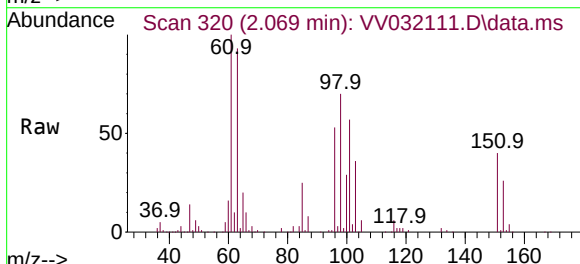
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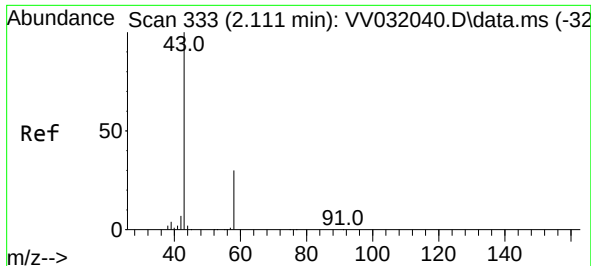
Delta R.T. -0.000 min

Lab File: VV032111.D

Acq: 15 Sep 2023 10:54

Tgt Ion: 96	Resp:	54543
Ion Ratio	Lower	Upper
96	100	
61	187.5	133.8 248.6
63	173.9	115.2 214.0





#13

Acetone

Concen: 103.580 ug/L

RT: 2.111 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV032111.D

Acq: 15 Sep 2023 10:54

Instrument :

MSVOA_V

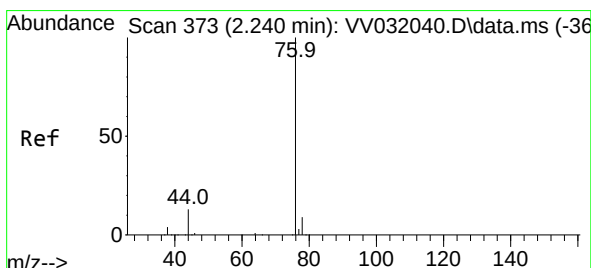
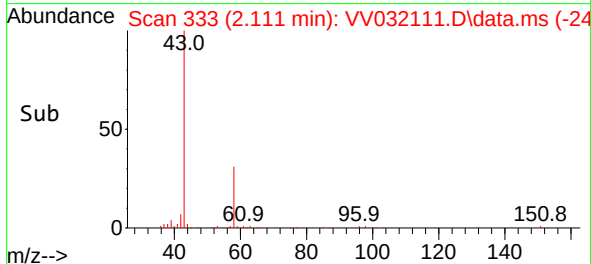
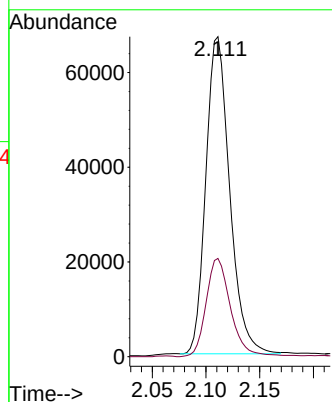
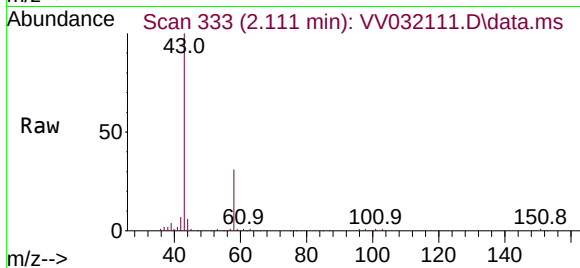
ClientSampleId :

Tgt Ion: 43 Resp: 103106

Ion Ratio Lower Upper

43 100

58 31.9 0.0 61.0



#14

Carbon disulfide

Concen: 43.024 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

Lab File: VV032111.D

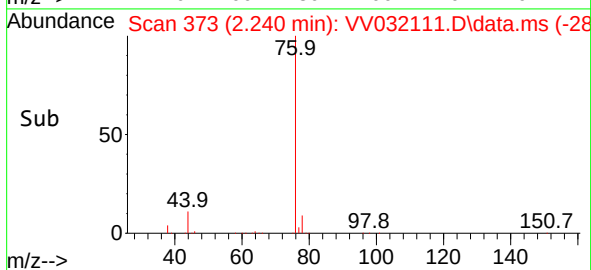
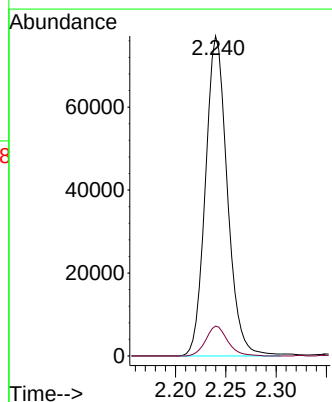
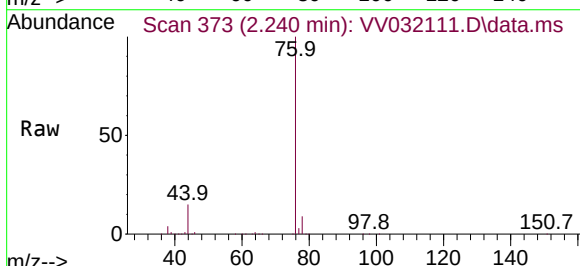
Acq: 15 Sep 2023 10:54

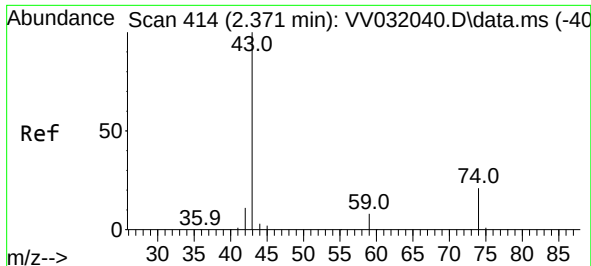
Tgt Ion: 76 Resp: 116743

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

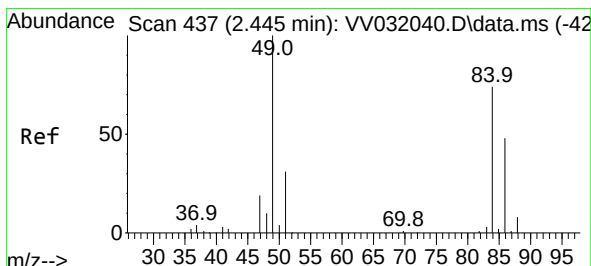
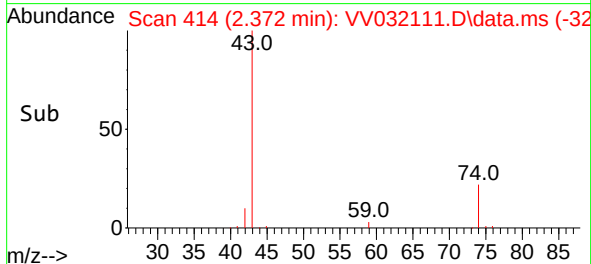
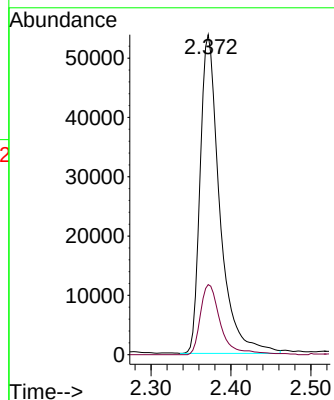
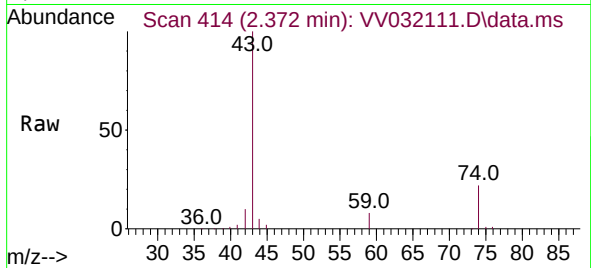




#15
Methyl Acetate
Concen: 51.655 ug/L
RT: 2.372 min Scan# 414
Delta R.T. -0.000 min
Lab File: VV032111.D
Acq: 15 Sep 2023 10:54

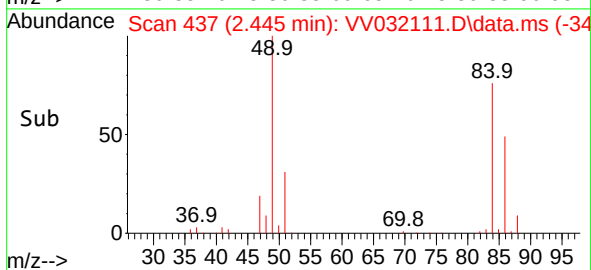
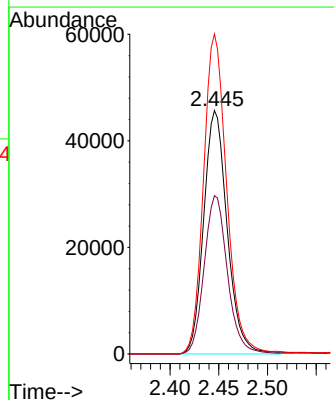
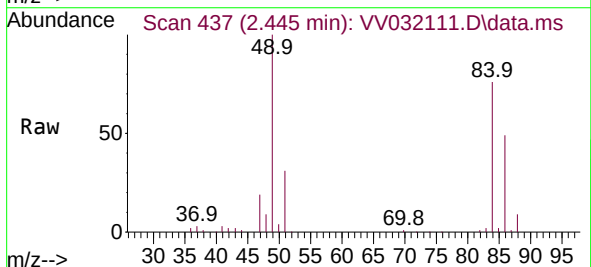
Instrument :
MSVOA_V
ClientSampleId :

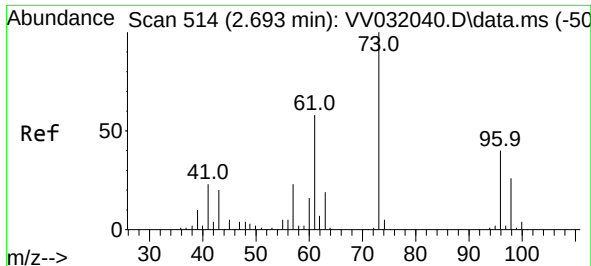
Tgt Ion: 43 Resp: 91704
Ion Ratio Lower Upper
43 100
74 21.5 17.9 26.9



#16
Methylene chloride
Concen: 50.126 ug/L
RT: 2.445 min Scan# 437
Delta R.T. -0.000 min
Lab File: VV032111.D
Acq: 15 Sep 2023 10:54

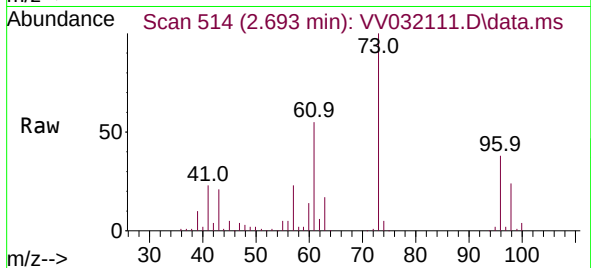
Tgt Ion: 84 Resp: 76706
Ion Ratio Lower Upper
84 100
86 65.0 44.6 82.8
49 131.4 91.6 170.2



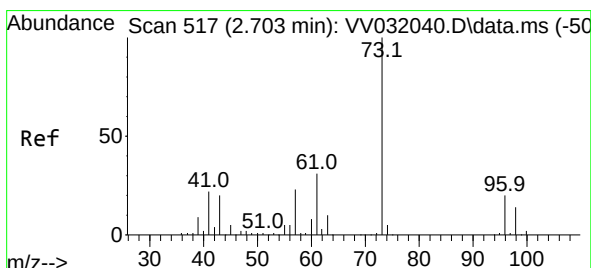
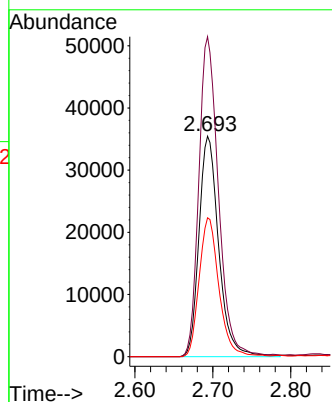
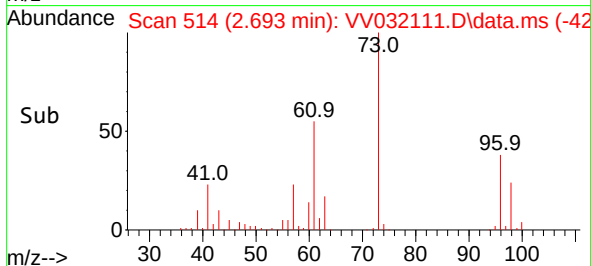


#17
trans-1,2-Dichloroethene
Concen: 47.734 ug/L
RT: 2.693 min Scan# 514
Delta R.T. -0.003 min
Lab File: VV032111.D
Acq: 15 Sep 2023 10:54

Instrument :
MSVOA_V
ClientSampleId :

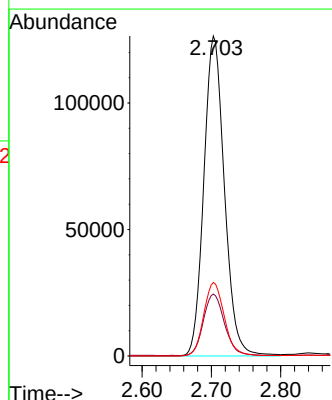
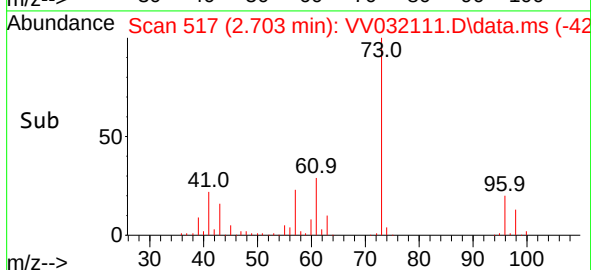
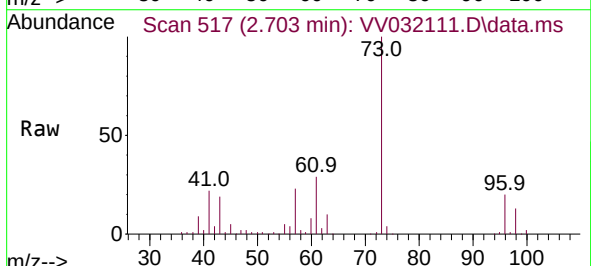


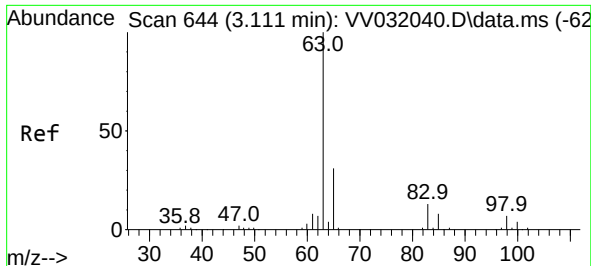
Tgt Ion: 96 Resp: 62319
Ion Ratio Lower Upper
96 100
61 145.1 107.3 199.3
98 63.0 46.3 85.9



#18
Methyl tert-butyl Ether
Concen: 47.305 ug/L
RT: 2.703 min Scan# 517
Delta R.T. -0.003 min
Lab File: VV032111.D
Acq: 15 Sep 2023 10:54

Tgt Ion: 73 Resp: 261014
Ion Ratio Lower Upper
73 100
43 19.7 16.6 25.0
57 23.0 17.6 26.4





#19

1,1-Dichloroethane

Concen: 49.199 ug/L

RT: 3.111 min Scan# 644

Delta R.T. -0.003 min

Lab File: VV032111.D

Acq: 15 Sep 2023 10:54

Instrument :

MSVOA_V

ClientSampleId :

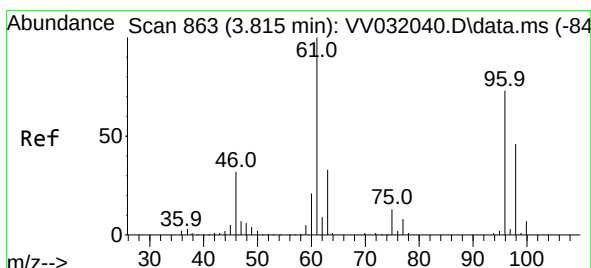
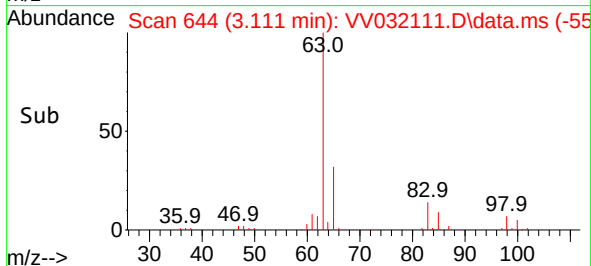
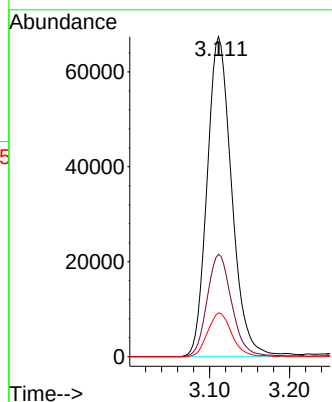
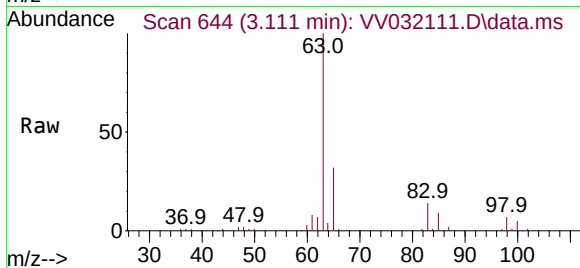
Tgt Ion: 63 Resp: 143946

Ion Ratio Lower Upper

63 100

65 32.0 22.4 41.6

83 13.7 8.7 16.1



#20

cis-1,2-Dichloroethene

Concen: 50.178 ug/L

RT: 3.815 min Scan# 863

Delta R.T. -0.000 min

Lab File: VV032111.D

Acq: 15 Sep 2023 10:54

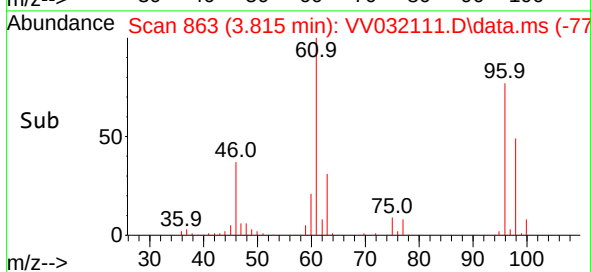
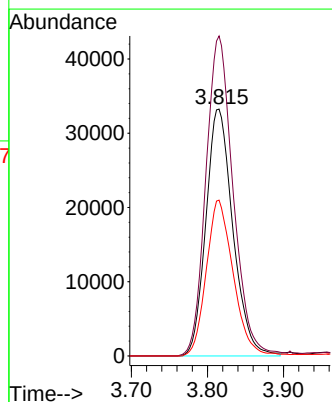
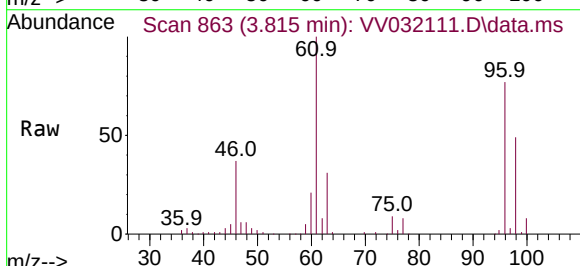
Tgt Ion: 96 Resp: 82188

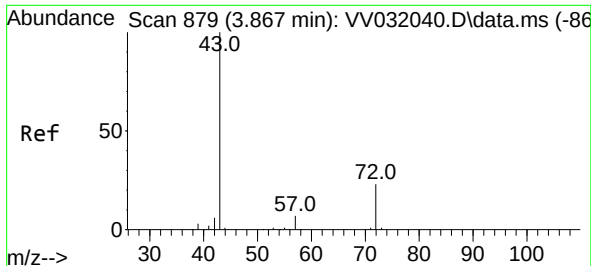
Ion Ratio Lower Upper

96 100

61 129.6 97.3 180.7

98 63.1 45.3 84.1

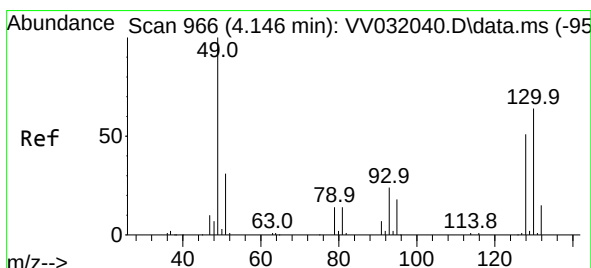
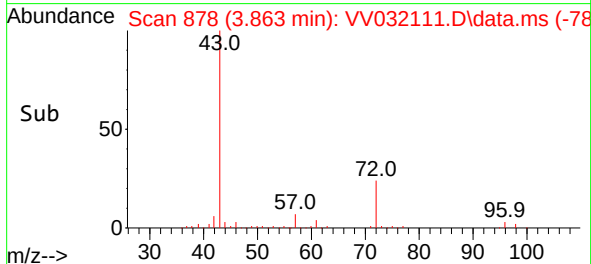
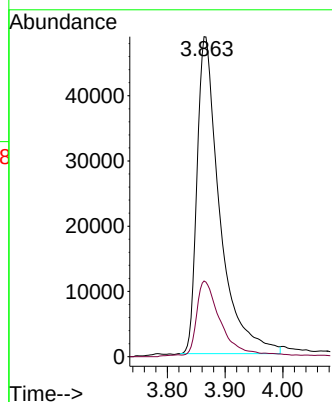
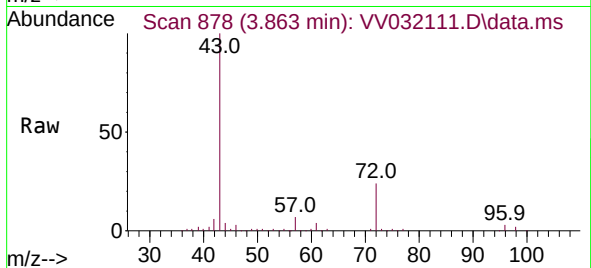




#22
2-Butanone
Concen: 100.876 ug/L
RT: 3.863 min Scan# 81
Delta R.T. -0.003 min
Lab File: VV032111.D
Acq: 15 Sep 2023 10:54

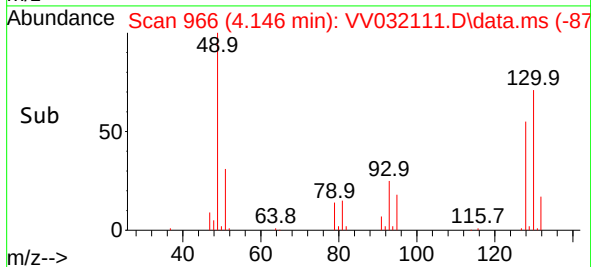
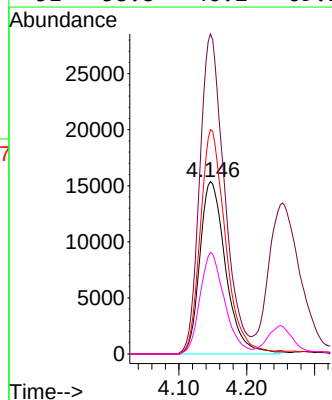
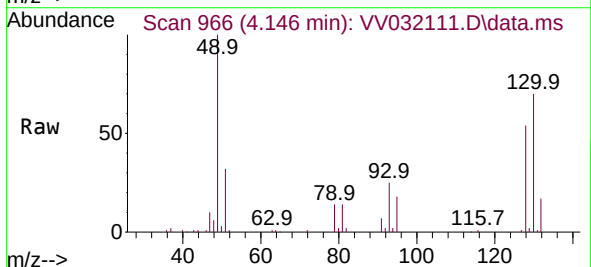
Instrument :
MSVOA_V
ClientSampleId :

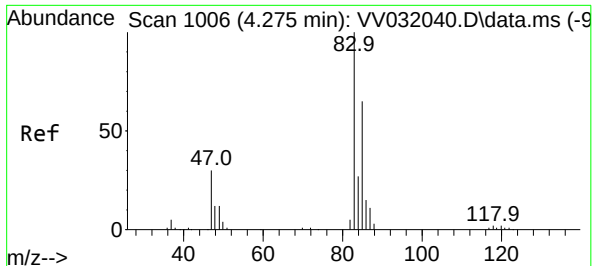
Tgt Ion: 43 Resp: 132871
Ion Ratio Lower Upper
43 100
72 23.8 12.6 37.8



#23
Bromochloromethane
Concen: 51.033 ug/L
RT: 4.146 min Scan# 966
Delta R.T. -0.003 min
Lab File: VV032111.D
Acq: 15 Sep 2023 10:54

Tgt Ion:128 Resp: 40554
Ion Ratio Lower Upper
128 100
49 185.6 127.8 237.4
130 130.1 90.1 167.3
51 58.8 46.2 69.2





#25

Chloroform

Concen: 48.665 ug/L

RT: 4.275 min Scan# 1006

Delta R.T. -0.003 min

Lab File: VV032111.D

Acq: 15 Sep 2023 10:54

Instrument :

MSVOA_V

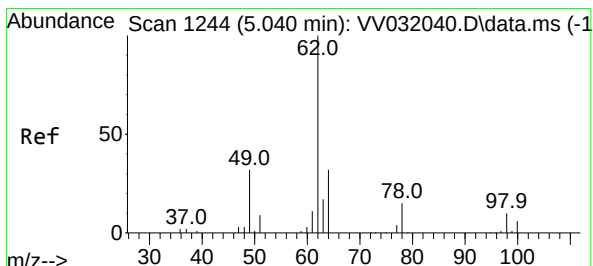
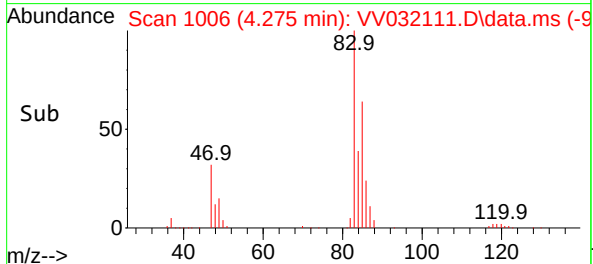
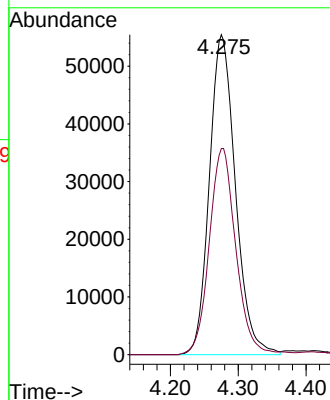
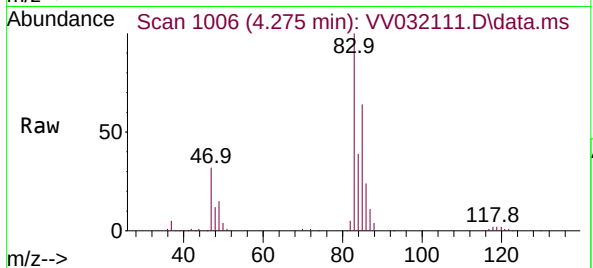
ClientSampleId :

Tgt Ion: 83 Resp: 148040

Ion Ratio Lower Upper

83 100

85 64.4 44.9 83.3



#27

1,2-Dichloroethane

Concen: 44.831 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. -0.003 min

Lab File: VV032111.D

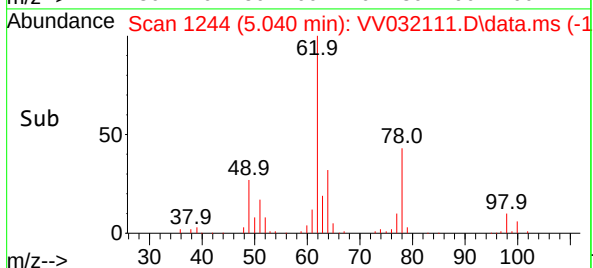
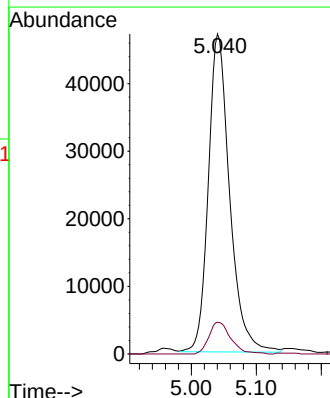
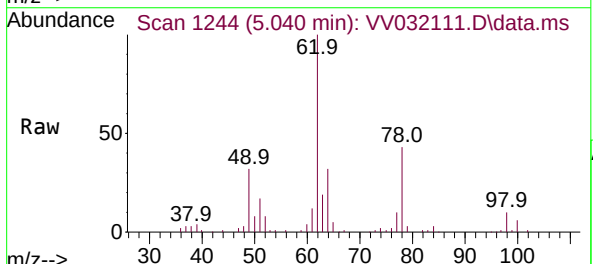
Acq: 15 Sep 2023 10:54

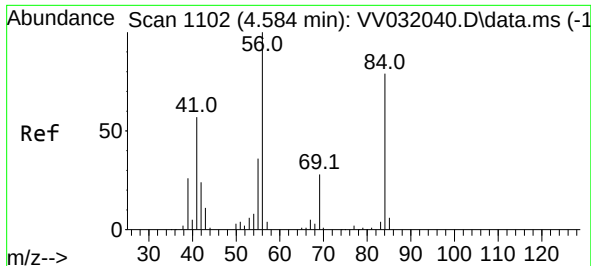
Tgt Ion: 62 Resp: 107441

Ion Ratio Lower Upper

62 100

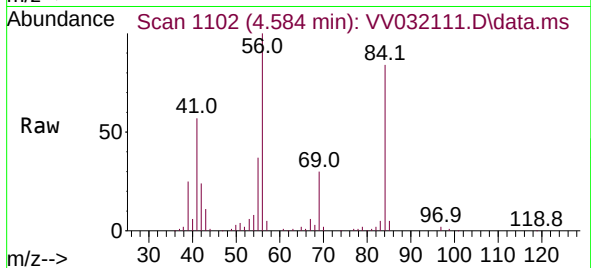
98 9.9 7.0 10.4



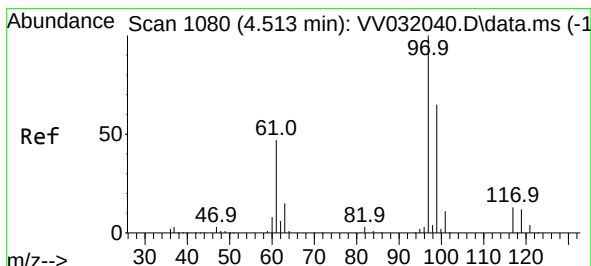
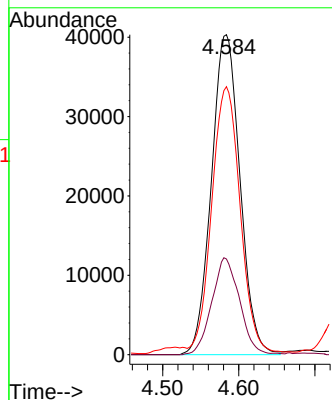
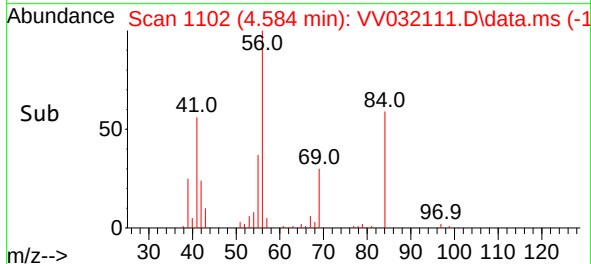


#29
Cyclohexane
Concen: 45.867 ug/L
RT: 4.584 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VV032111.D
Acq: 15 Sep 2023 10:54

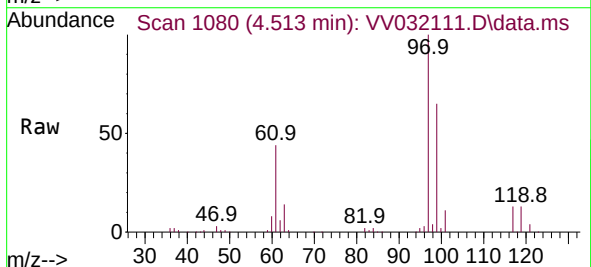
Instrument :
MSVOA_V
ClientSampleId :



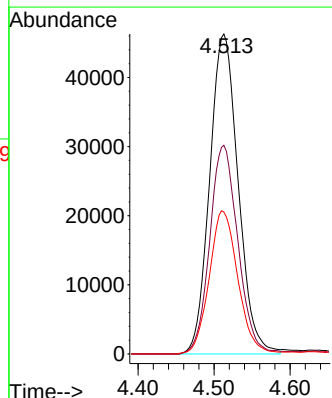
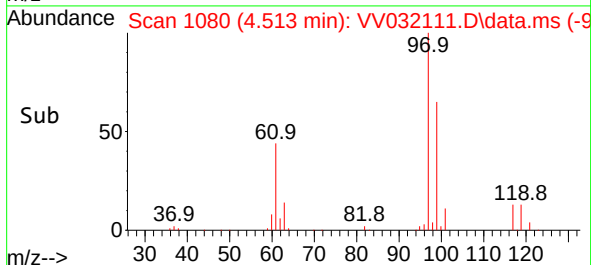
Tgt Ion: 56 Resp: 105432
Ion Ratio Lower Upper
56 100
69 29.2 24.2 36.4
84 81.9 67.5 101.3

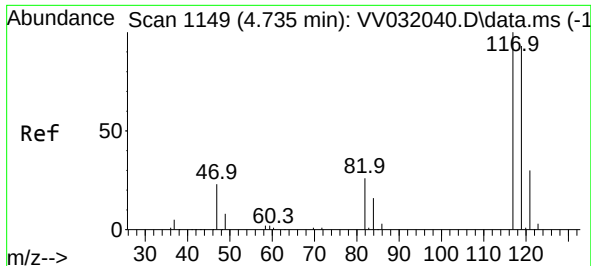


#30
1,1,1-Trichloroethane
Concen: 46.814 ug/L
RT: 4.513 min Scan# 1080
Delta R.T. -0.003 min
Lab File: VV032111.D
Acq: 15 Sep 2023 10:54



Tgt Ion: 97 Resp: 120551
Ion Ratio Lower Upper
97 100
99 64.3 51.0 76.4
61 45.1 36.5 54.7

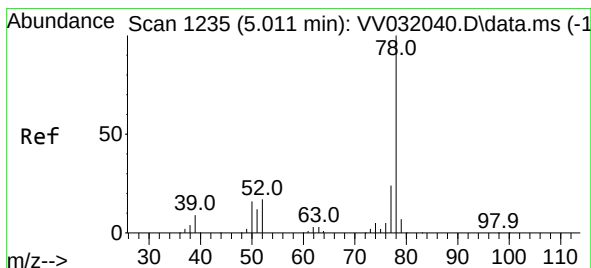
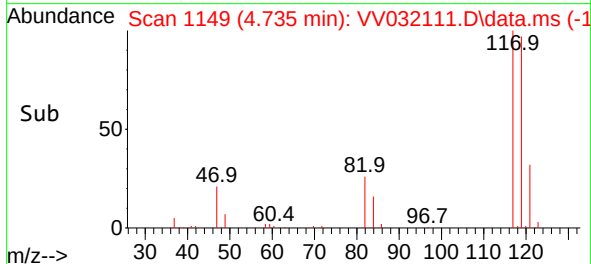
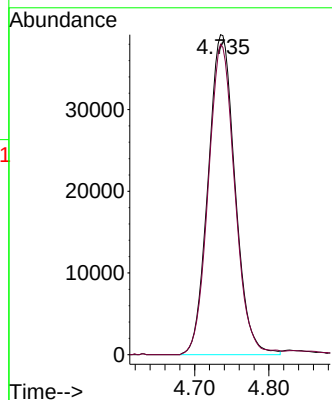
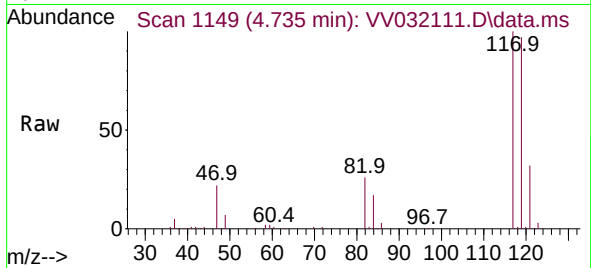




#31
Carbon tetrachloride
Concen: 45.142 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. -0.003 min
Lab File: VV032111.D
Acq: 15 Sep 2023 10:54

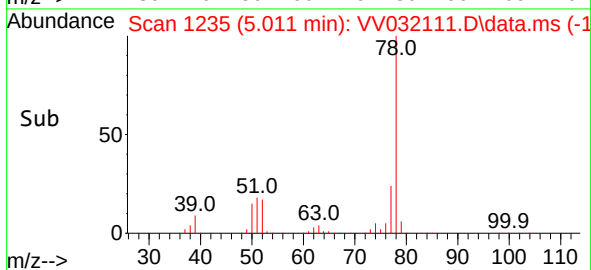
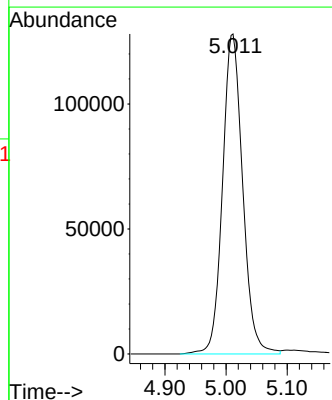
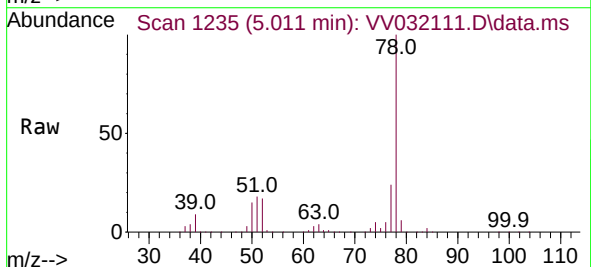
Instrument :
MSVOA_V
ClientSampleId :

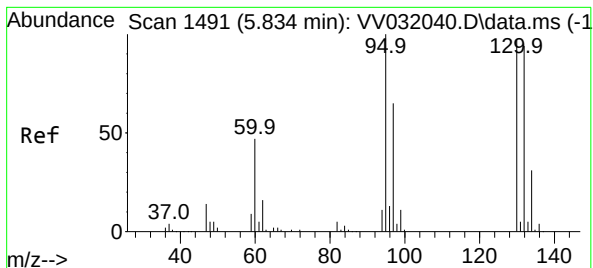
Tgt Ion:117 Resp: 98708
Ion Ratio Lower Upper
117 100
119 95.1 75.4 113.2



#33
Benzene
Concen: 49.351 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. -0.000 min
Lab File: VV032111.D
Acq: 15 Sep 2023 10:54

Tgt Ion: 78 Resp: 292746





#34

Trichloroethene

Concen: 44.203 ug/L

RT: 5.834 min Scan# 1491

Delta R.T. -0.000 min

Lab File: VV032111.D

Acq: 15 Sep 2023 10:54

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 80191

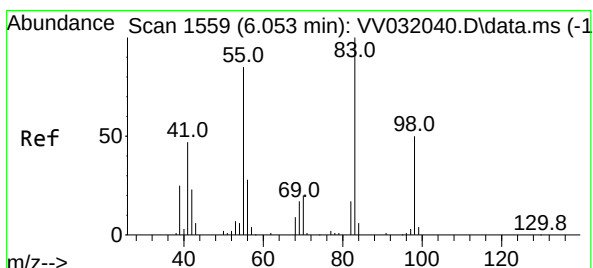
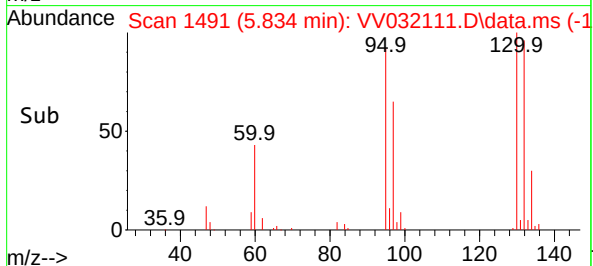
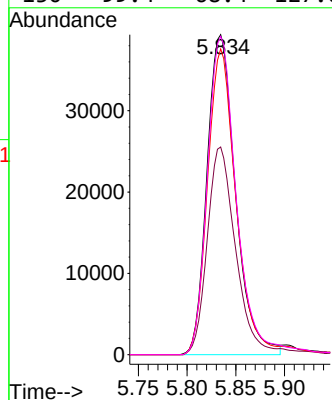
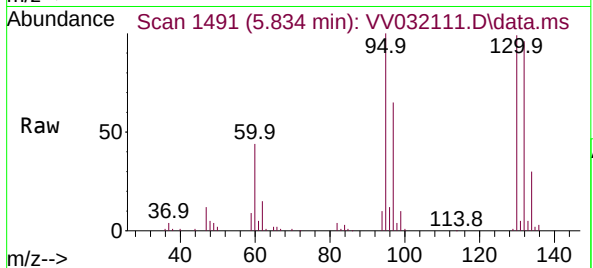
Ion Ratio Lower Upper

95 100

97 64.9 45.4 84.2

132 95.6 65.4 121.4

130 99.4 68.4 127.0



#35

Methylcyclohexane

Concen: 43.987 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. -0.003 min

Lab File: VV032111.D

Acq: 15 Sep 2023 10:54

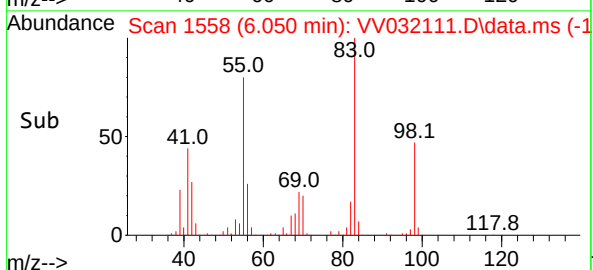
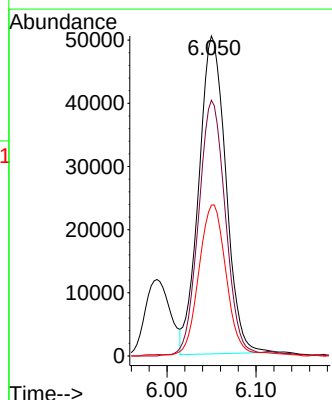
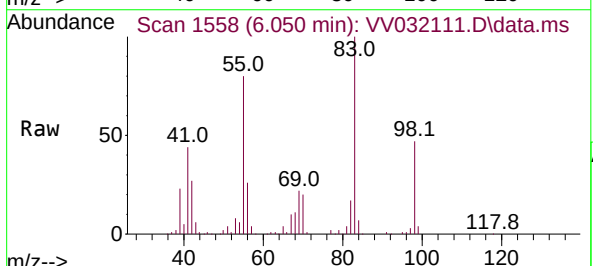
Tgt Ion: 83 Resp: 106141

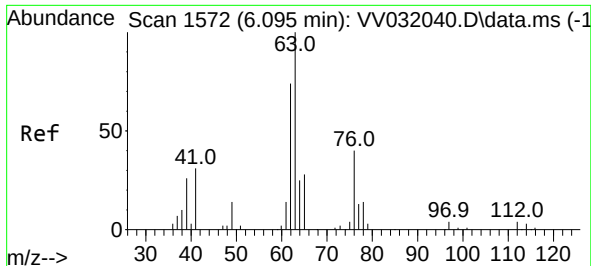
Ion Ratio Lower Upper

83 100

55 80.1 62.2 93.2

98 48.9 36.7 55.1





#37

1,2-Dichloropropane

Concen: 50.539 ug/L

RT: 6.095 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV032111.D

Acq: 15 Sep 2023 10:54

Instrument :

MSVOA_V

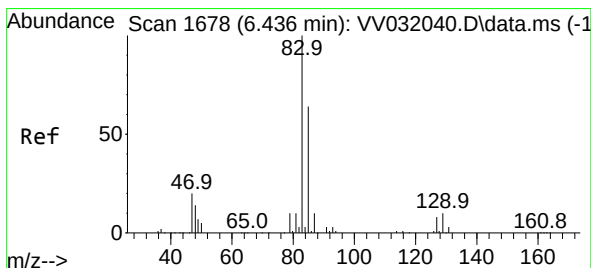
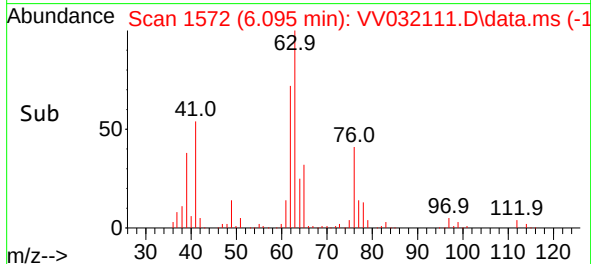
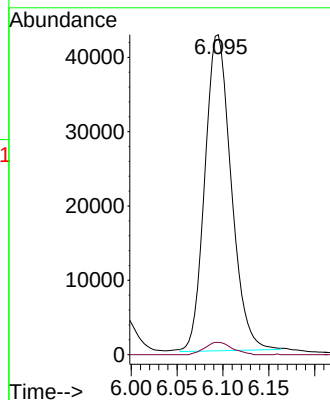
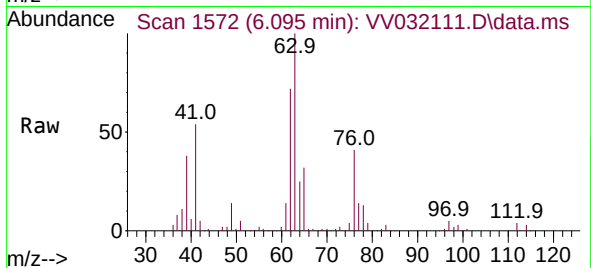
ClientSampleId :

Tgt Ion: 63 Resp: 84975

Ion Ratio Lower Upper

63 100

112 4.0 3.5 5.3



#38

Bromodichloromethane

Concen: 48.238 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. -0.003 min

Lab File: VV032111.D

Acq: 15 Sep 2023 10:54

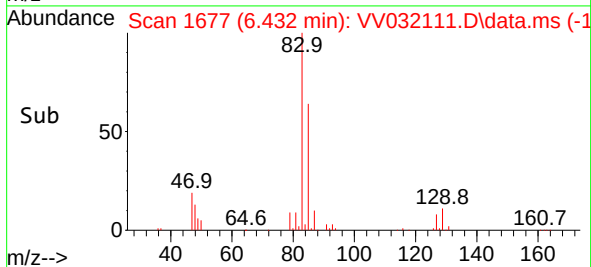
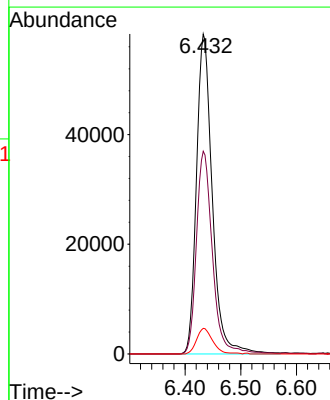
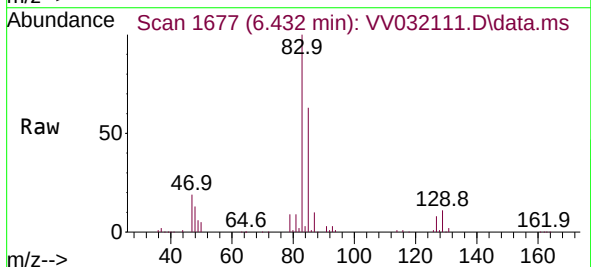
Tgt Ion: 83 Resp: 115123

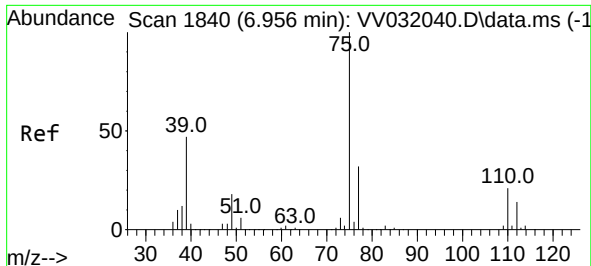
Ion Ratio Lower Upper

83 100

85 63.3 45.2 84.0

127 8.0 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 47.561 ug/L

RT: 6.953 min Scan# 1839

Delta R.T. -0.003 min

Lab File: VV032111.D

Acq: 15 Sep 2023 10:54

Instrument :

MSVOA_V

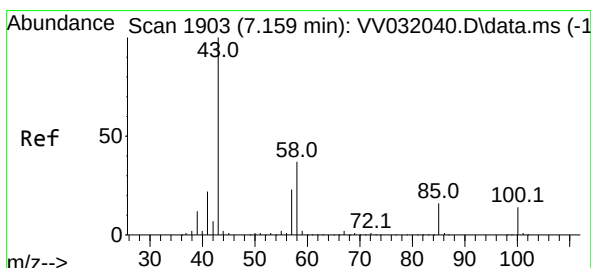
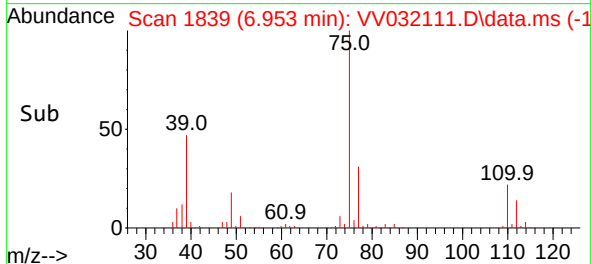
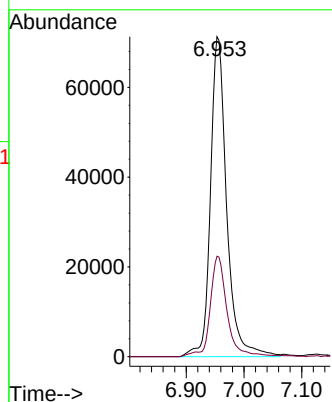
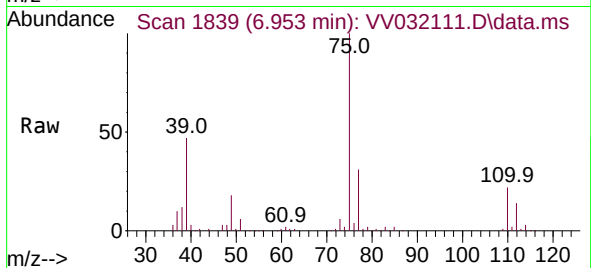
ClientSampleId :

Tgt Ion: 75 Resp: 139031

Ion Ratio Lower Upper

75 100

77 31.4 21.4 39.8



#40

4-Methyl-2-pentanone

Concen: 101.326 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VV032111.D

Acq: 15 Sep 2023 10:54

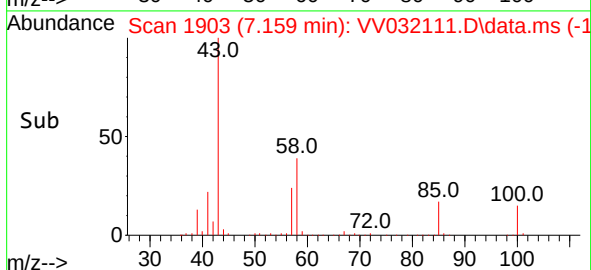
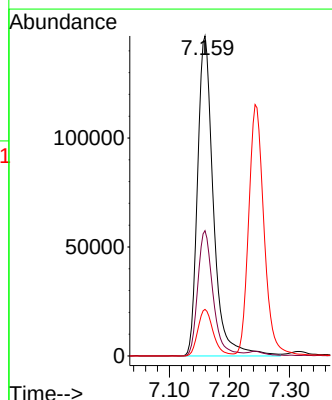
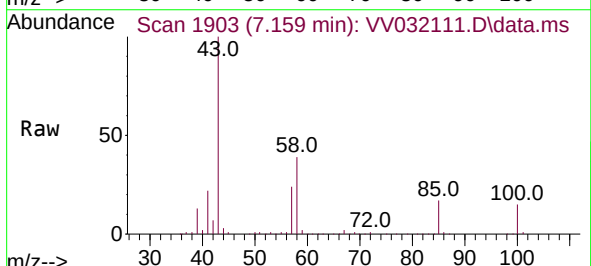
Tgt Ion: 43 Resp: 270405

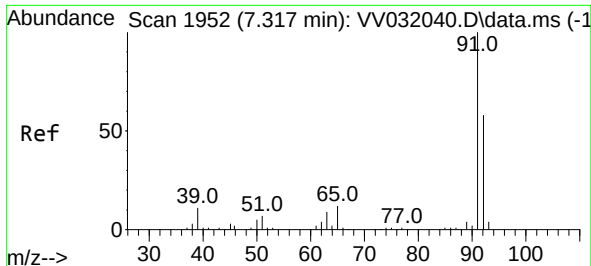
Ion Ratio Lower Upper

43 100

58 37.9 31.1 46.7

100 14.1 11.9 17.9





#42

Toluene

Concen: 49.158 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VV032111.D

Acq: 15 Sep 2023 10:54

Instrument :

MSVOA_V

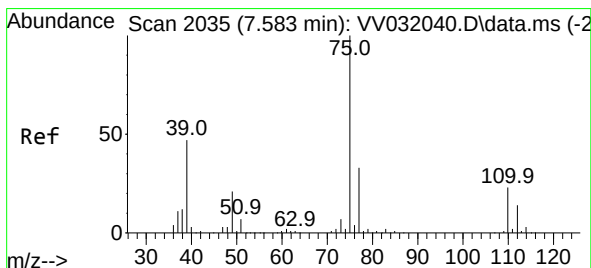
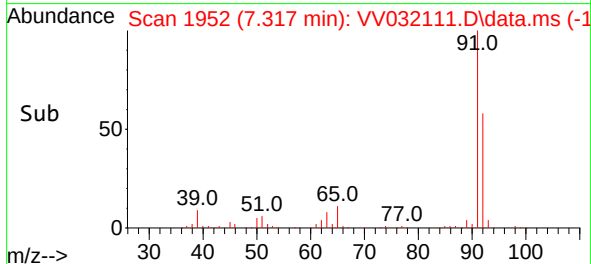
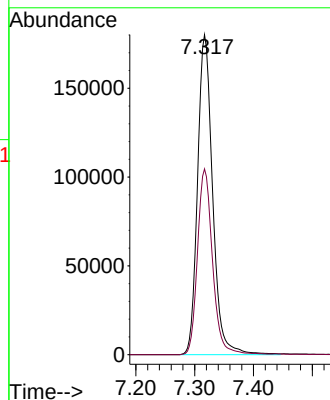
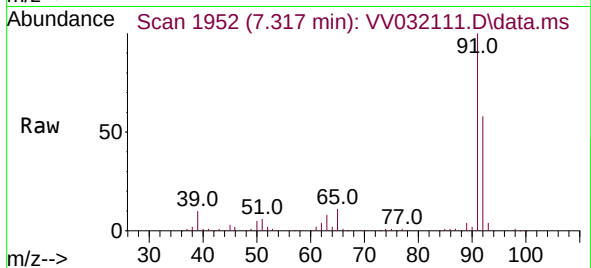
ClientSampleId :

Tgt Ion: 91 Resp: 320765

Ion Ratio Lower Upper

91 100

92 58.1 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 45.885 ug/L

RT: 7.584 min Scan# 2035

Delta R.T. -0.000 min

Lab File: VV032111.D

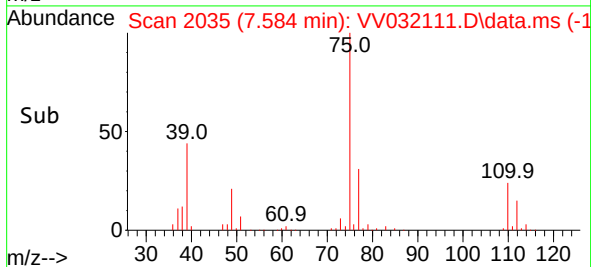
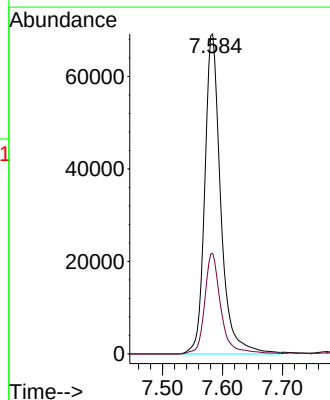
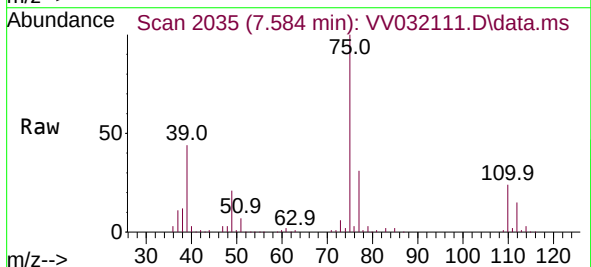
Acq: 15 Sep 2023 10:54

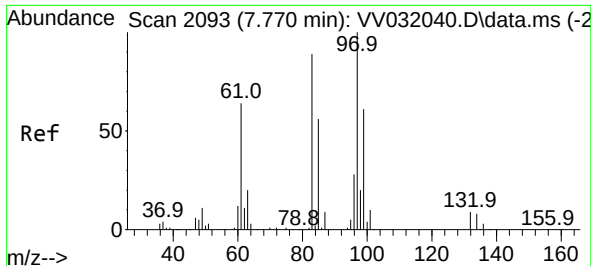
Tgt Ion: 75 Resp: 128876

Ion Ratio Lower Upper

75 100

77 31.4 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 52.377 ug/L

RT: 7.770 min Scan# 2093

Delta R.T. -0.000 min

Lab File: VV032111.D

Acq: 15 Sep 2023 10:54

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 88970

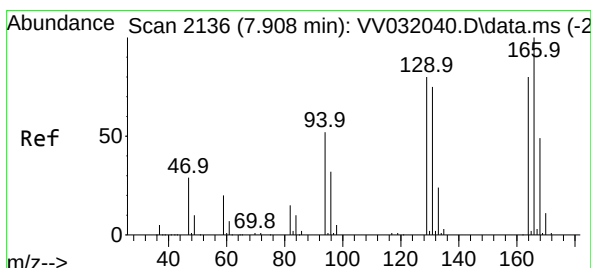
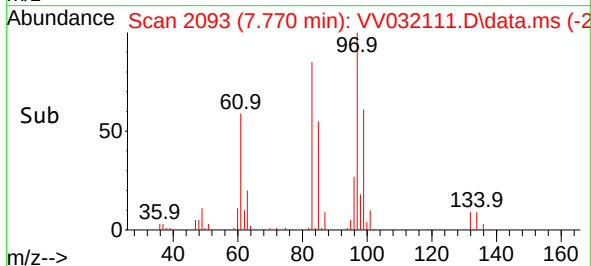
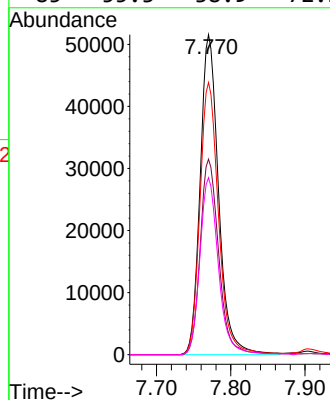
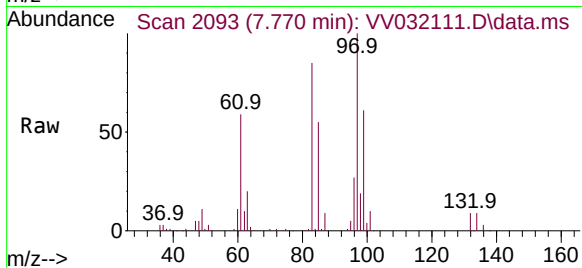
Ion Ratio Lower Upper

97 100

99 61.1 43.0 79.8

83 85.0 61.2 113.6

85 55.3 38.9 72.2



#46

Tetrachloroethene

Concen: 49.129 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. -0.003 min

Lab File: VV032111.D

Acq: 15 Sep 2023 10:54

Tgt Ion: 164 Resp: 55964

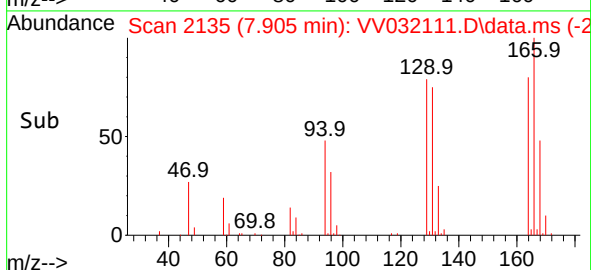
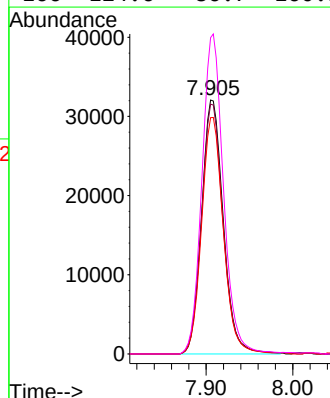
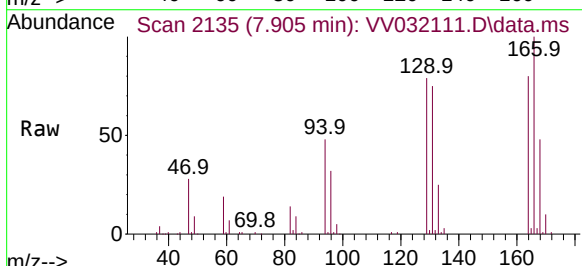
Ion Ratio Lower Upper

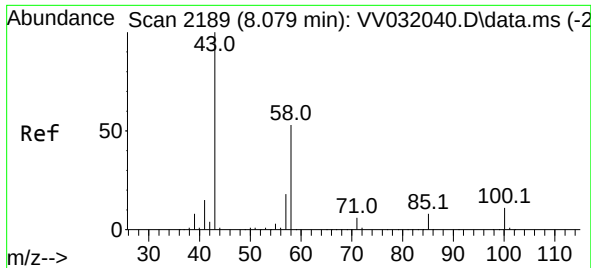
164 100

129 98.4 68.3 126.9

131 93.0 64.9 120.5

166 124.6 86.7 160.9



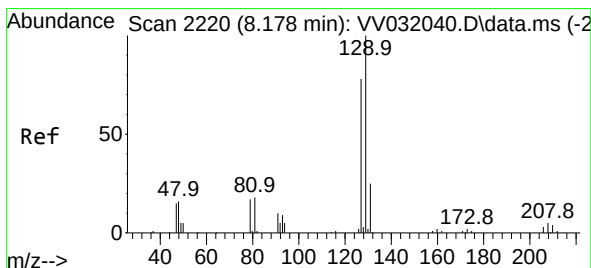
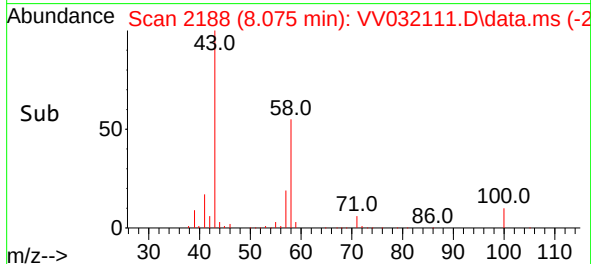
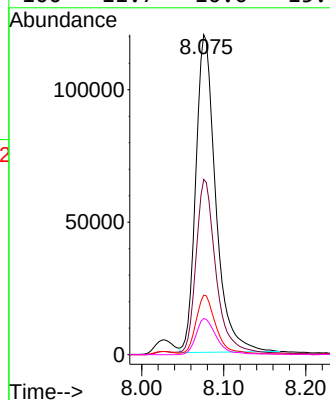
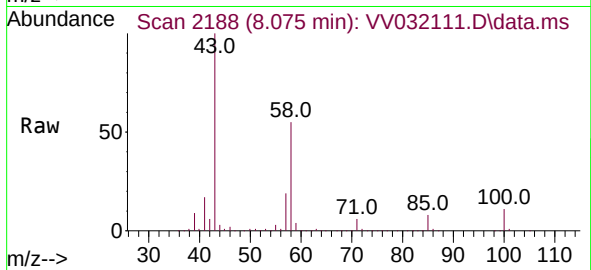


#48
2-Hexanone
Concen: 99.327 ug/L
RT: 8.075 min Scan# 2189
Delta R.T. -0.003 min
Lab File: VV032111.D
Acq: 15 Sep 2023 10:54

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 202427

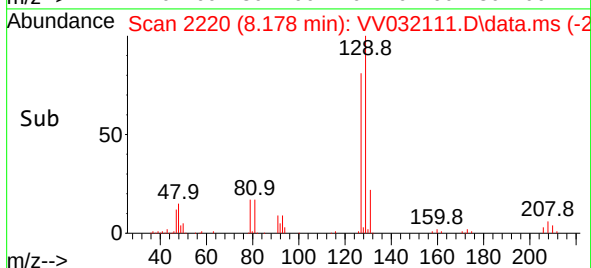
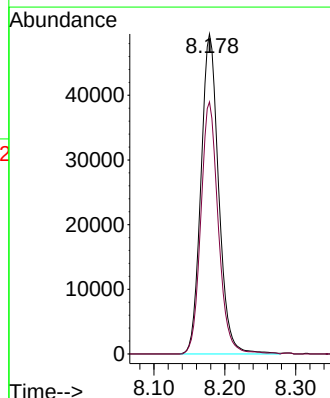
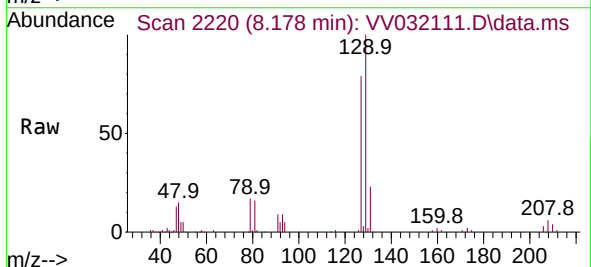
Ion	Ratio	Lower	Upper
43	100		
58	55.4	44.0	66.0
57	19.0	15.9	23.9
100	11.7	10.0	15.0

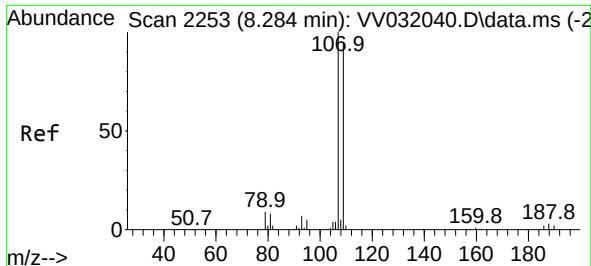


#49
Dibromochloromethane
Concen: 49.221 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. -0.000 min
Lab File: VV032111.D
Acq: 15 Sep 2023 10:54

Tgt Ion: 129 Resp: 85917

Ion	Ratio	Lower	Upper
129	100		
127	78.7	54.7	101.7





#50

1,2-Dibromoethane

Concen: 49.004 ug/L

RT: 8.284 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV032111.D

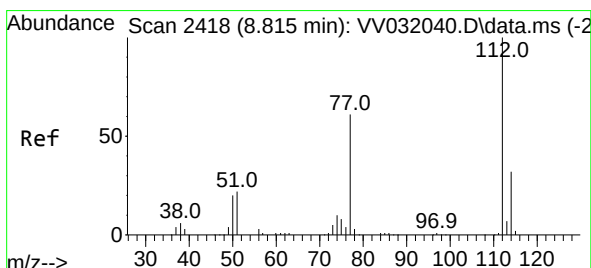
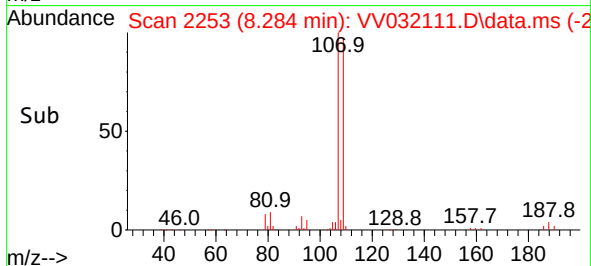
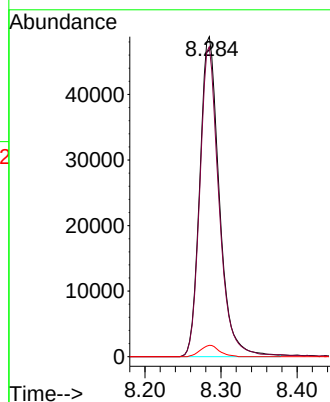
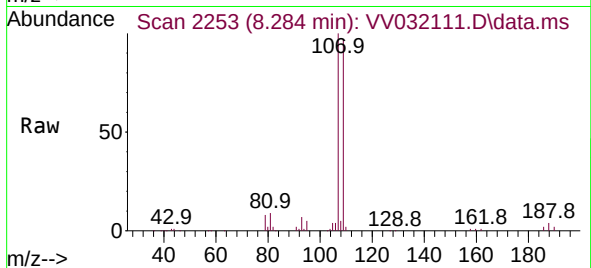
Acq: 15 Sep 2023 10:54

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	107	Resp:	87186
Ion	Ratio	Lower	Upper
107	100		
109	96.9	65.4	121.4
188	3.5	2.8	4.2



#51

Chlorobenzene

Concen: 49.406 ug/L

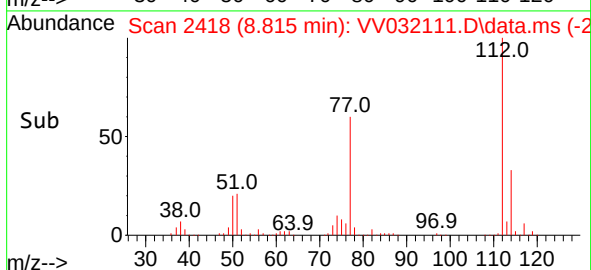
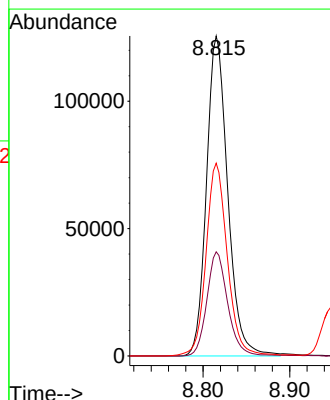
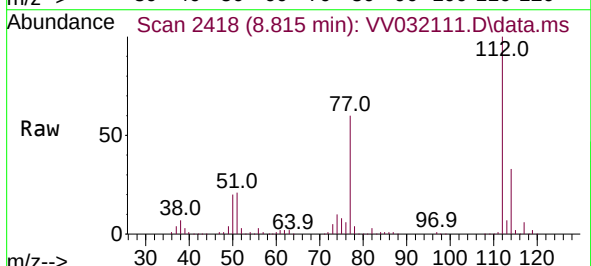
RT: 8.815 min Scan# 2418

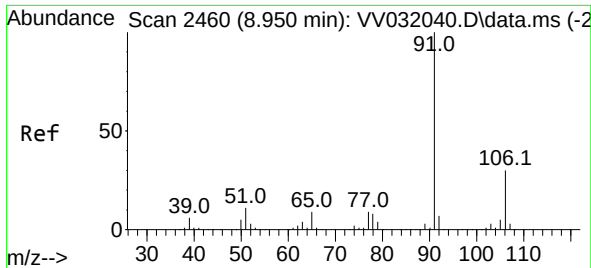
Delta R.T. -0.000 min

Lab File: VV032111.D

Acq: 15 Sep 2023 10:54

Tgt Ion:	112	Resp:	214213
Ion	Ratio	Lower	Upper
112	100		
114	32.6	22.0	40.8
77	60.3	49.4	74.0

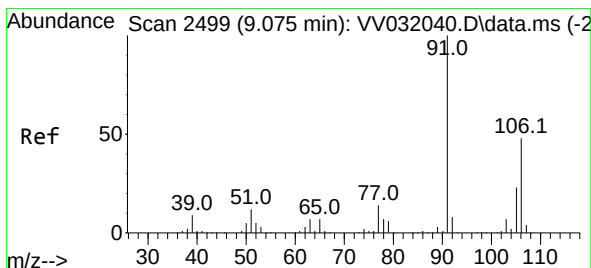
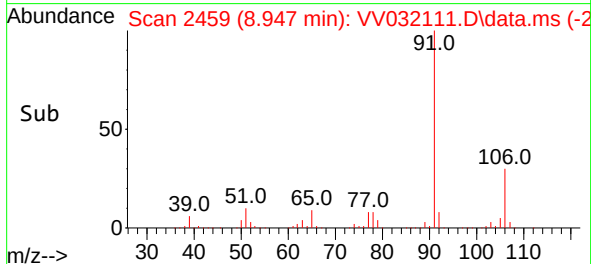
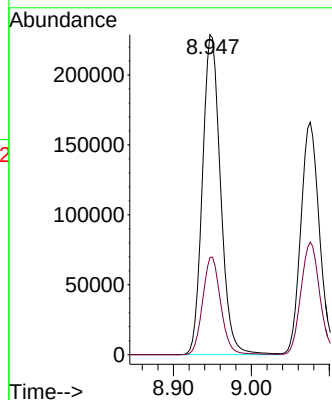
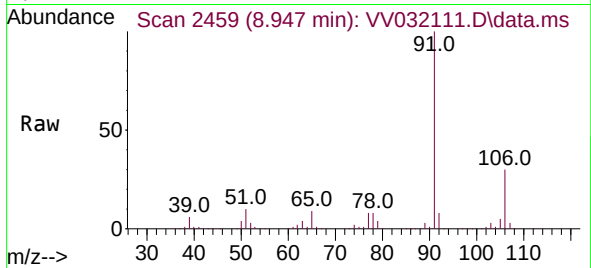




#52
Ethylbenzene
Concen: 47.750 ug/L
RT: 8.947 min Scan# 2460
Delta R.T. -0.003 min
Lab File: VV032111.D
Acq: 15 Sep 2023 10:54

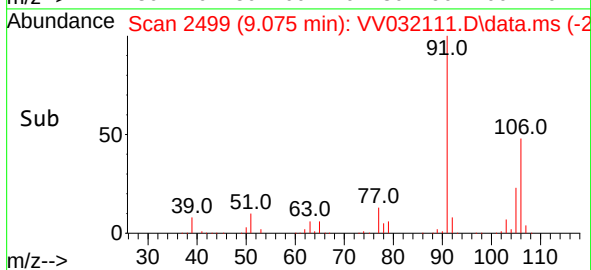
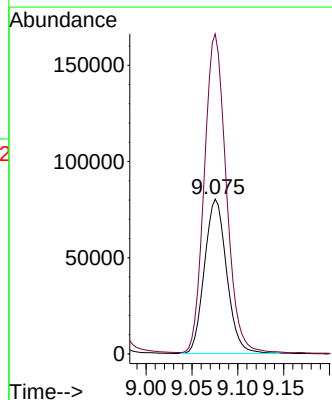
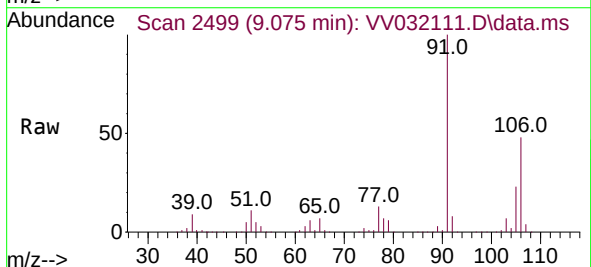
Instrument :
MSVOA_V
ClientSampleId :

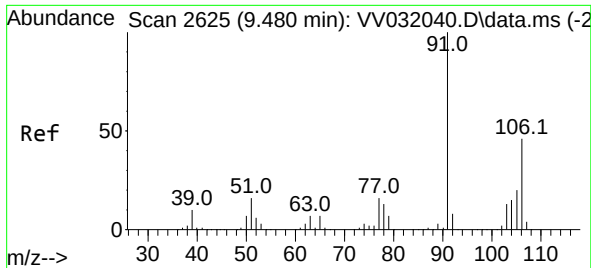
Tgt Ion: 91 Resp: 369078
Ion Ratio Lower Upper
91 100
106 30.4 21.5 39.9



#53
m,p-Xylene
Concen: 47.165 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. -0.000 min
Lab File: VV032111.D
Acq: 15 Sep 2023 10:54

Tgt Ion:106 Resp: 135359
Ion Ratio Lower Upper
106 100
91 206.5 147.0 273.0

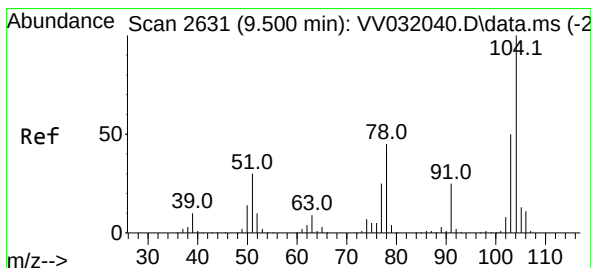
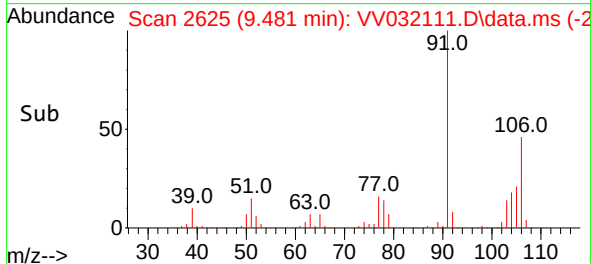
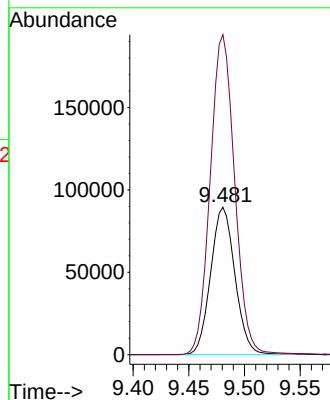
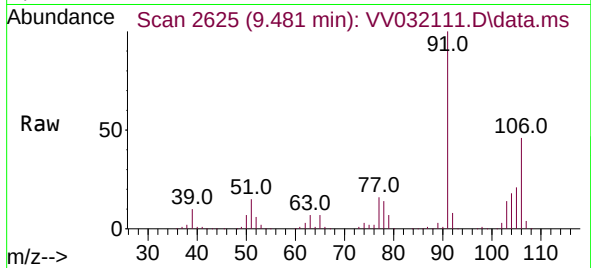




#54
o-Xylene
Concen: 47.579 ug/L
RT: 9.481 min Scan# 2625
Delta R.T. -0.000 min
Lab File: VV032111.D
Acq: 15 Sep 2023 10:54

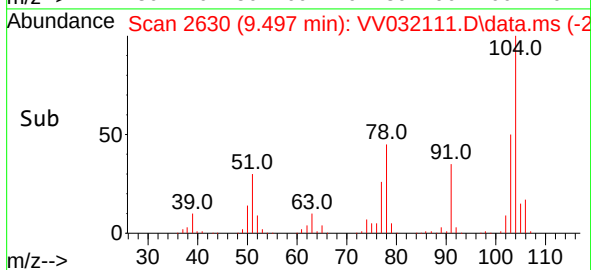
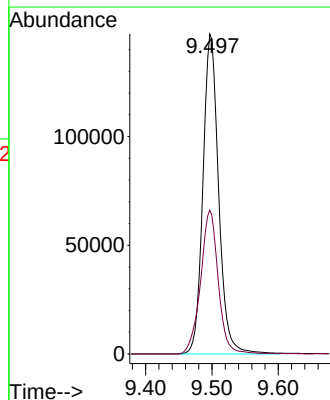
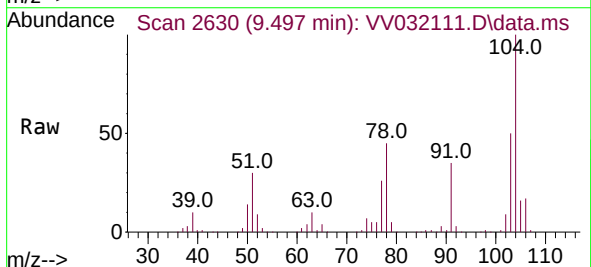
Instrument :
MSVOA_V
ClientSampleId :

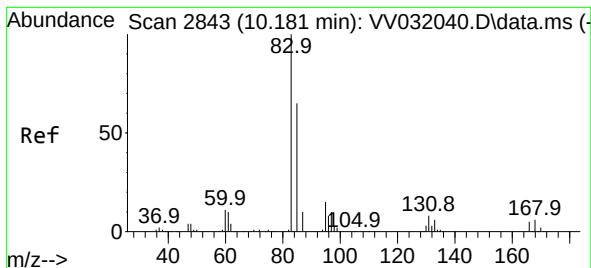
Tgt Ion:106 Resp: 135807
Ion Ratio Lower Upper
106 100
91 217.1 154.3 286.5



#55
Styrene
Concen: 48.159 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. -0.003 min
Lab File: VV032111.D
Acq: 15 Sep 2023 10:54

Tgt Ion:104 Resp: 243006
Ion Ratio Lower Upper
104 100
78 44.9 32.3 59.9

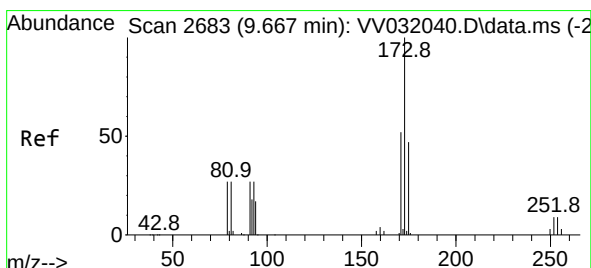
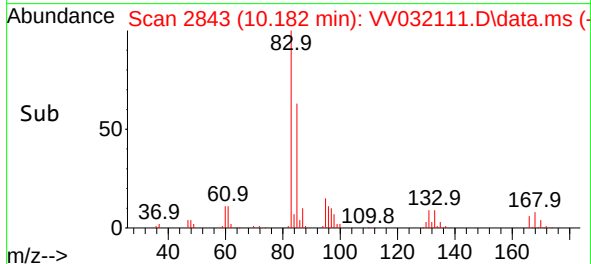
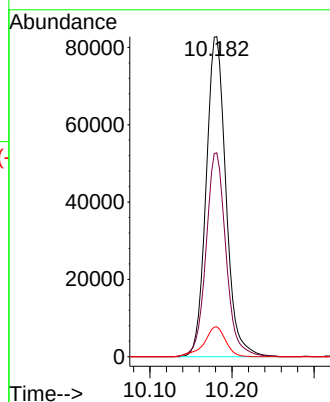
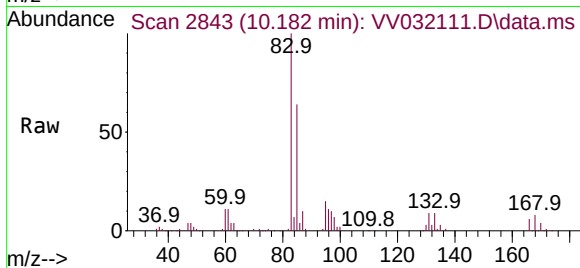




#57
1,1,2,2-Tetrachloroethane
Concen: 57.590 ug/L
RT: 10.182 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VV032111.D
Acq: 15 Sep 2023 10:54

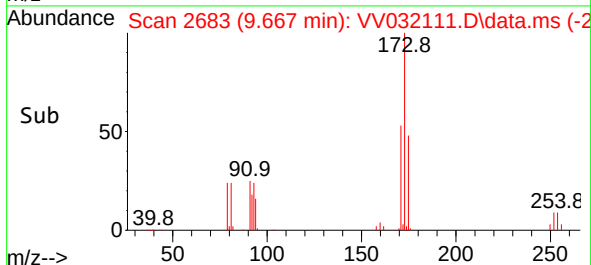
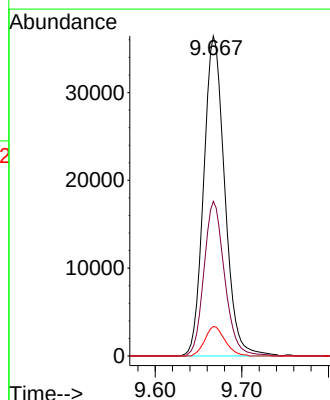
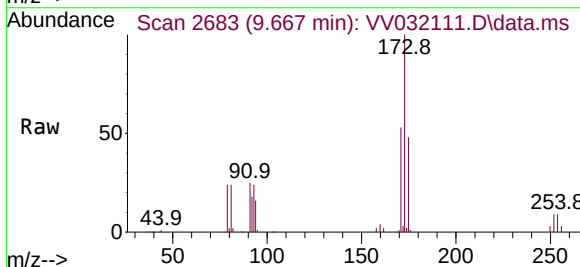
Instrument :
MSVOA_V
ClientSampleId :

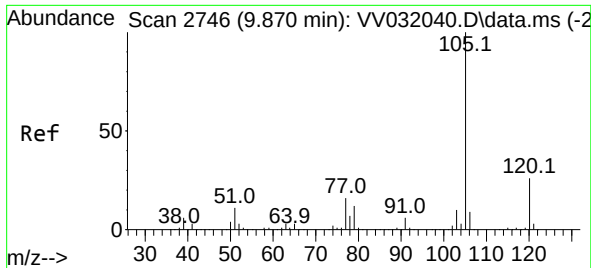
Tgt Ion: 83 Resp: 138484
Ion Ratio Lower Upper
83 100
85 63.7 45.1 83.9
131 9.3 7.4 11.2



#59
Bromoform
Concen: 48.722 ug/L
RT: 9.667 min Scan# 2683
Delta R.T. -0.000 min
Lab File: VV032111.D
Acq: 15 Sep 2023 10:54

Tgt Ion: 173 Resp: 61439
Ion Ratio Lower Upper
173 100
175 47.4 38.3 57.5
254 8.8 6.9 10.3

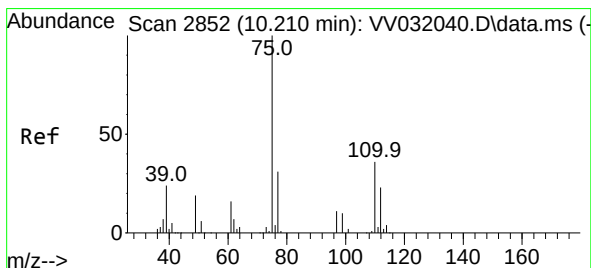
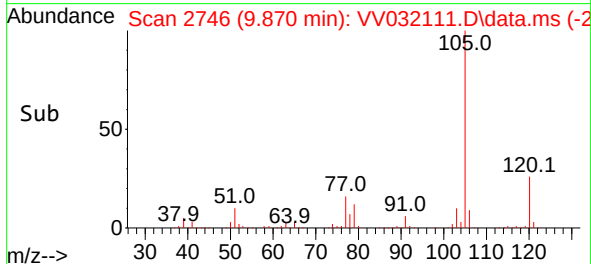
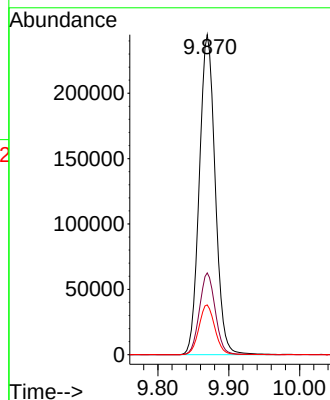
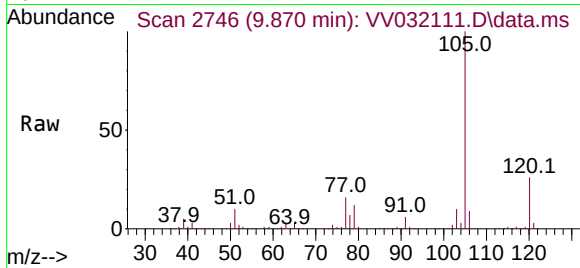




#60
Isopropylbenzene
Concen: 46.765 ug/L
RT: 9.870 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV032111.D
Acq: 15 Sep 2023 10:54

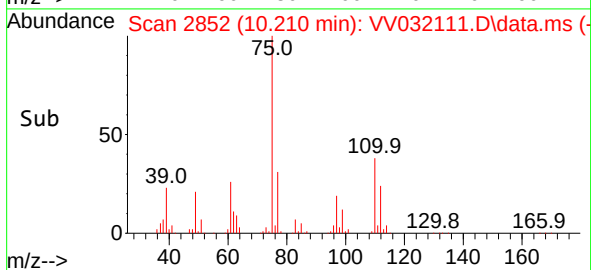
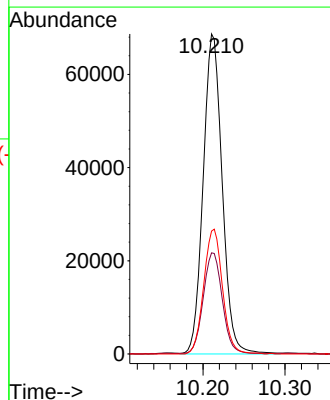
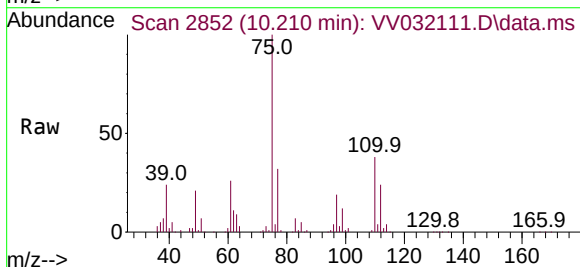
Instrument :
MSVOA_V
ClientSampleId :

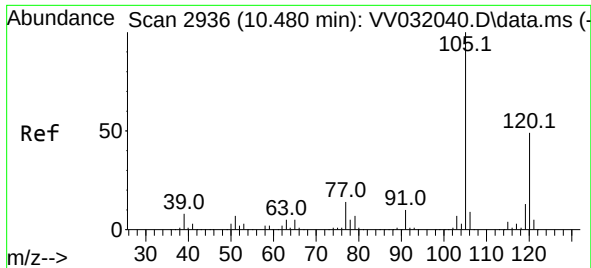
Tgt Ion:105 Resp: 380891
Ion Ratio Lower Upper
105 100
120 25.4 20.6 31.0
77 15.7 12.8 19.2



#61
1,2,3-Trichloropropane
Concen: 48.107 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. -0.003 min
Lab File: VV032111.D
Acq: 15 Sep 2023 10:54

Tgt Ion: 75 Resp: 110522
Ion Ratio Lower Upper
75 100
77 31.6 25.7 38.5
110 38.4 30.3 45.5





#62

1,3,5-Trimethylbenzene

Concen: 45.153 ug/L

RT: 10.477 min Scan# 2936

Delta R.T. -0.003 min

Lab File: VV032111.D

Acq: 15 Sep 2023 10:54

Instrument :

MSVOA_V

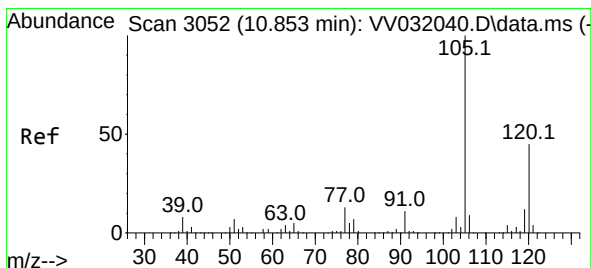
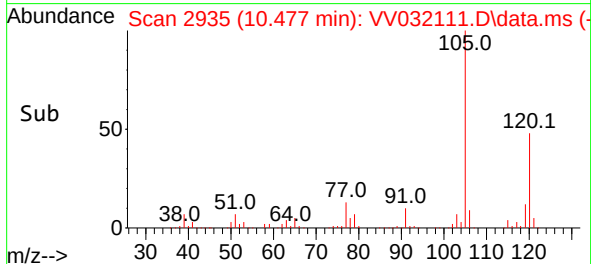
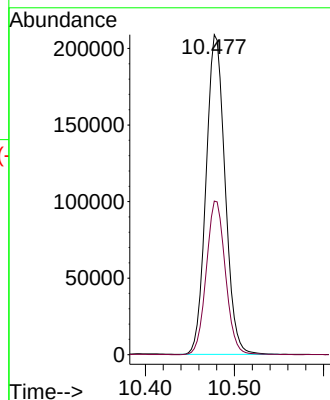
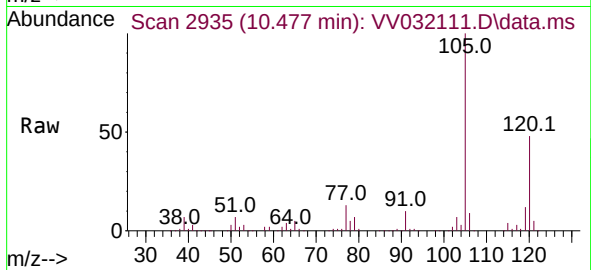
ClientSampleId :

Tgt Ion:105 Resp: 309397

Ion Ratio Lower Upper

105 100

120 48.4 38.2 57.4



#63

1,2,4-Trimethylbenzene

Concen: 45.351 ug/L

RT: 10.854 min Scan# 3052

Delta R.T. -0.000 min

Lab File: VV032111.D

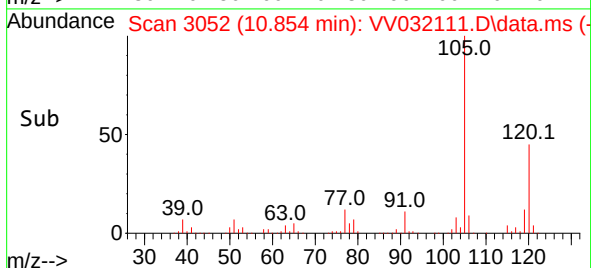
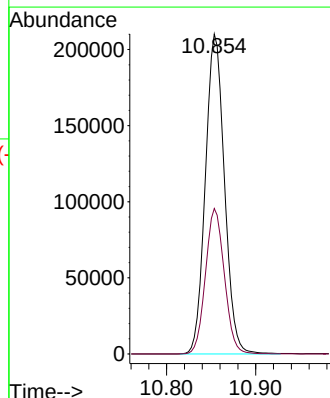
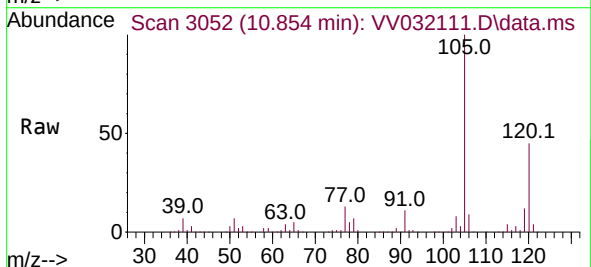
Acq: 15 Sep 2023 10:54

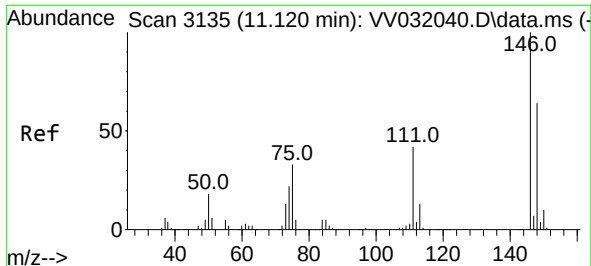
Tgt Ion:105 Resp: 312611

Ion Ratio Lower Upper

105 100

120 44.9 35.9 53.9

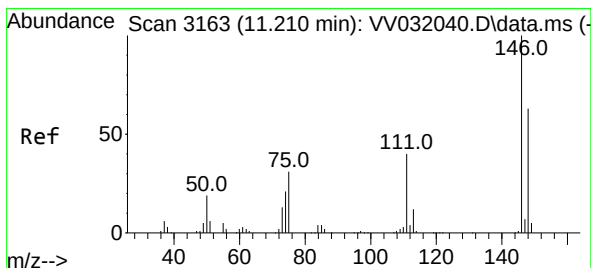
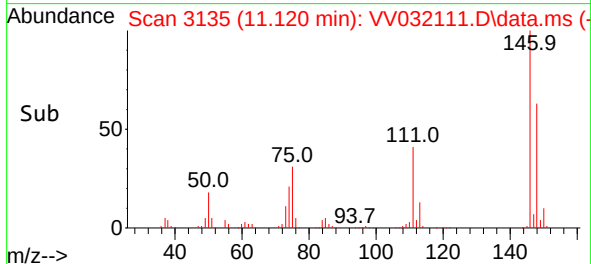
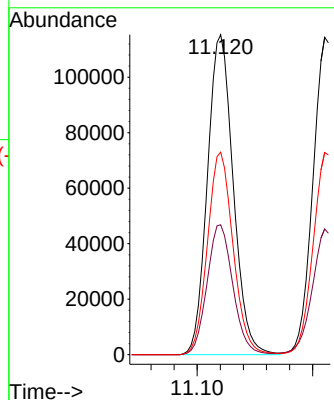
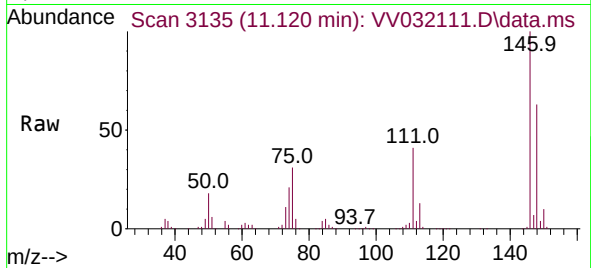




#64
1,3-Dichlorobenzene
Concen: 49.007 ug/L
RT: 11.120 min Scan# 3135
Delta R.T. -0.000 min
Lab File: VV032111.D
Acq: 15 Sep 2023 10:54

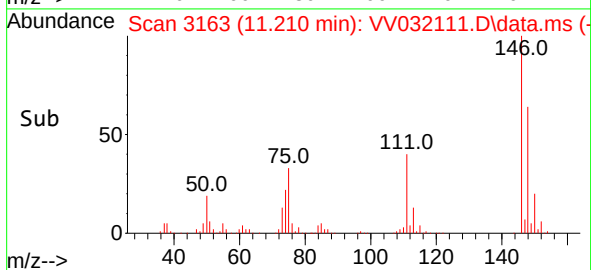
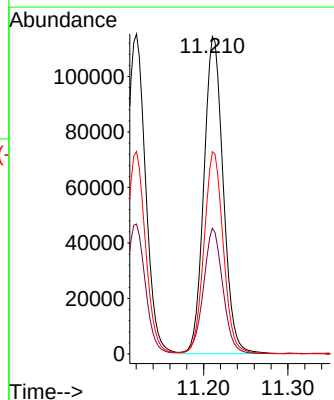
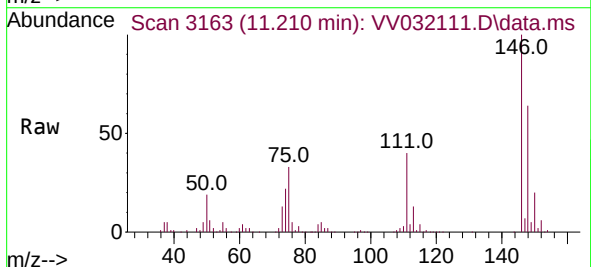
Instrument :
MSVOA_V
ClientSampleId :

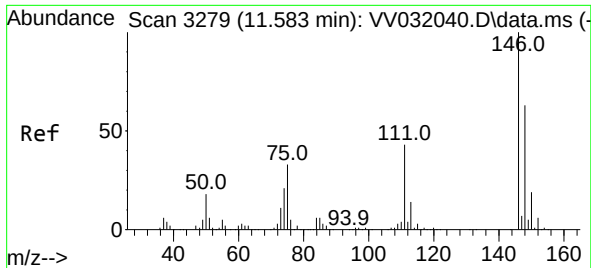
Tgt Ion:146 Resp: 178886
Ion Ratio Lower Upper
146 100
111 40.6 30.2 56.0
148 63.3 44.1 81.9



#65
1,4-Dichlorobenzene
Concen: 49.193 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. -0.003 min
Lab File: VV032111.D
Acq: 15 Sep 2023 10:54

Tgt Ion:146 Resp: 182588
Ion Ratio Lower Upper
146 100
111 39.6 28.5 52.9
148 63.7 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 49.574 ug/L

RT: 11.583 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV032111.D

Acq: 15 Sep 2023 10:54

Instrument :

MSVOA_V

ClientSampleId :

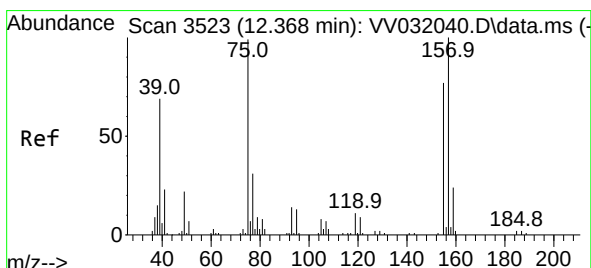
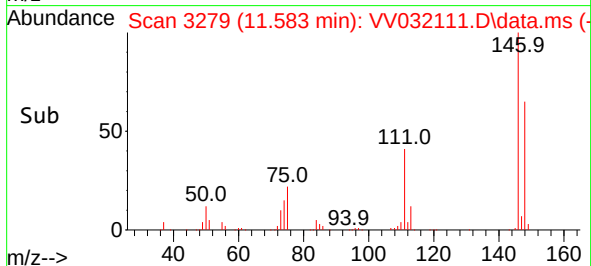
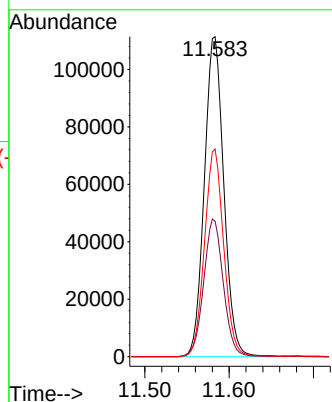
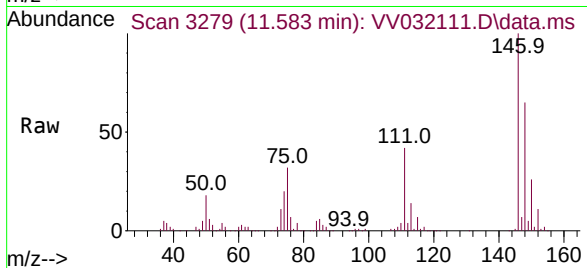
Tgt Ion:146 Resp: 179312

Ion Ratio Lower Upper

146 100

111 42.3 35.8 53.6

148 64.9 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 41.298 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. -0.000 min

Lab File: VV032111.D

Acq: 15 Sep 2023 10:54

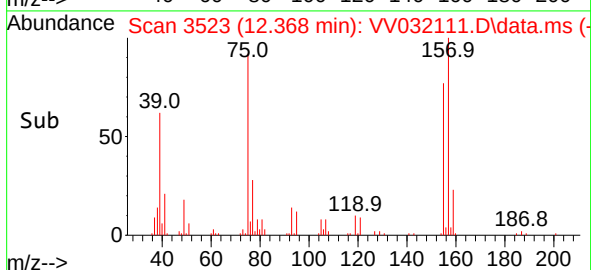
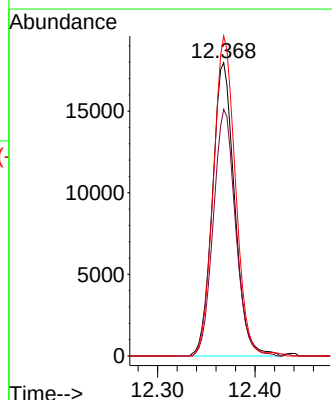
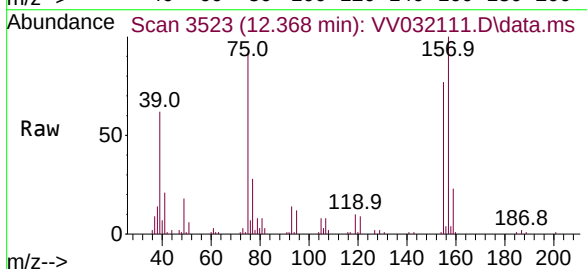
Tgt Ion: 75 Resp: 28499

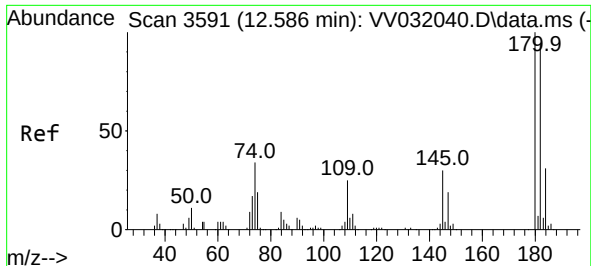
Ion Ratio Lower Upper

75 100

155 84.1 60.1 90.1

157 109.1 77.3 115.9





#69

1,3,5-Trichlorobenzene

Concen: 48.232 ug/L

RT: 12.587 min Scan# 3591

Delta R.T. -0.000 min

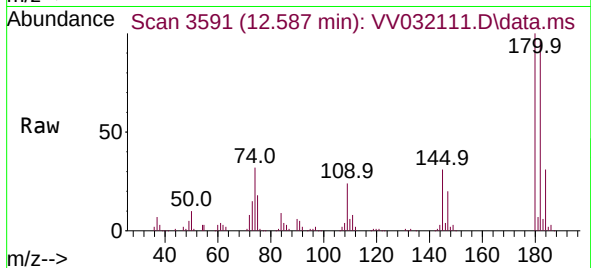
Lab File: VV032111.D

Acq: 15 Sep 2023 10:54

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 128345

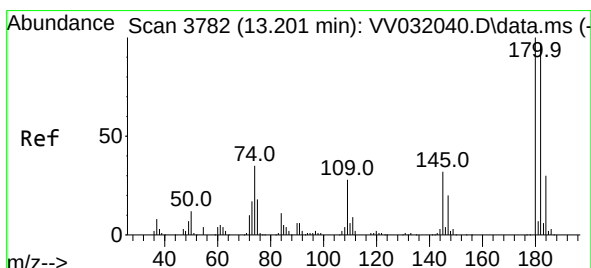
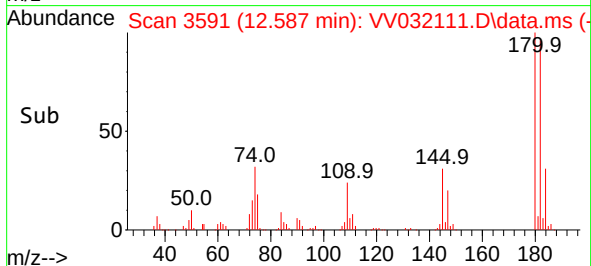
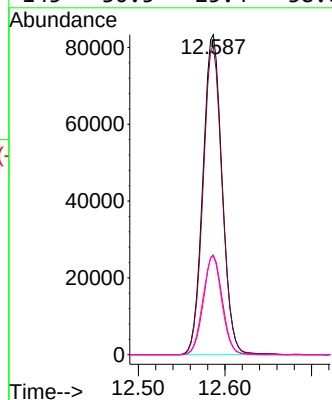
Ion Ratio Lower Upper

180 100

182 95.7 75.4 113.2

184 30.5 23.7 35.5

145 30.5 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 48.994 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. -0.000 min

Lab File: VV032111.D

Acq: 15 Sep 2023 10:54

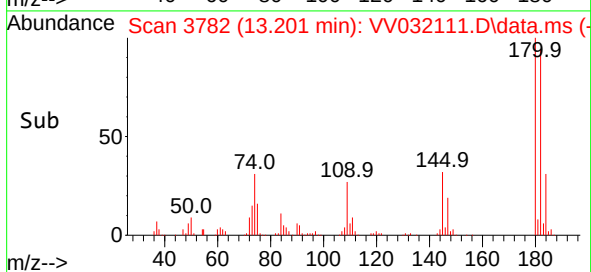
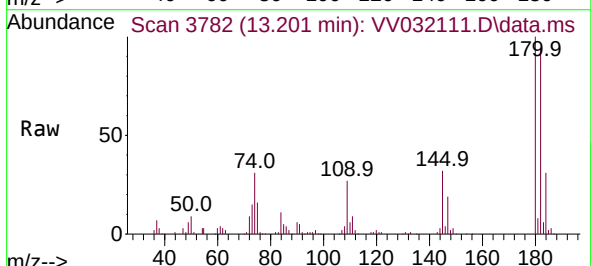
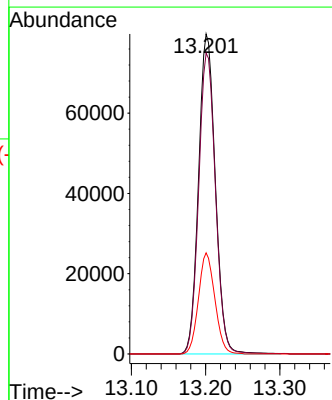
Tgt Ion:180 Resp: 125142

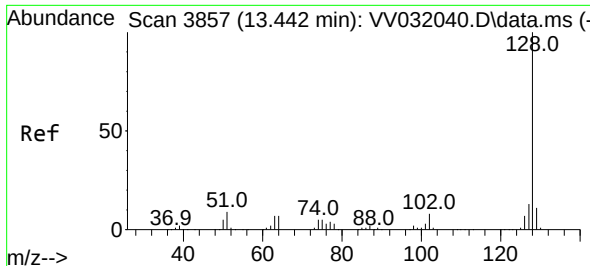
Ion Ratio Lower Upper

180 100

182 94.2 75.4 113.2

145 30.8 26.0 39.0

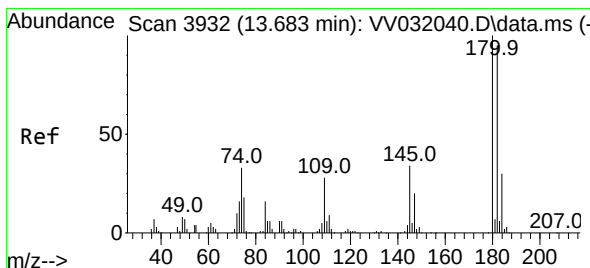
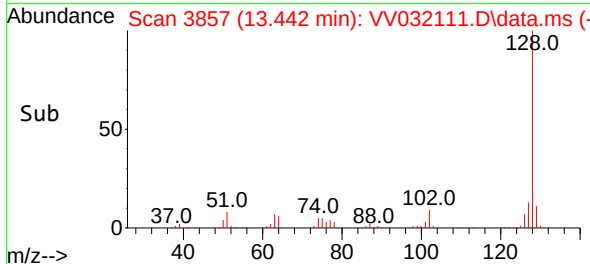
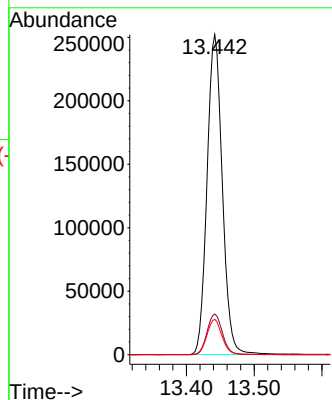
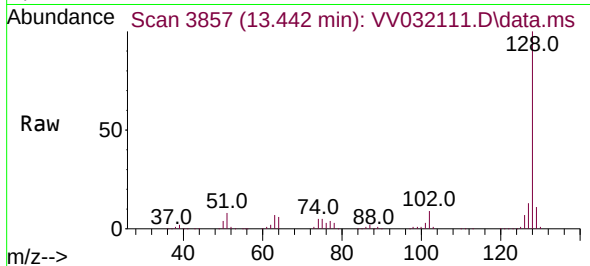




#71
Naphthalene
Concen: 48.245 ug/L
RT: 13.442 min Scan# 3857
Delta R.T. -0.000 min
Lab File: VV032111.D
Acq: 15 Sep 2023 10:54

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128 Resp: 393711
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 10.9 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 50.306 ug/L
RT: 13.683 min Scan# 3932
Delta R.T. -0.000 min
Lab File: VV032111.D
Acq: 15 Sep 2023 10:54

Tgt Ion:180 Resp: 123127
Ion Ratio Lower Upper
180 100
182 95.4 76.7 115.1
145 32.9 27.7 41.5

