

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW091523\
 Data File : VW032135.D
 Acq On : 15 Sep 2023 20:53
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 16 02:17:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 16 02:09:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	186705	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	185469	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	102383	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	72948	62.431	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	124.860%
7) Chloroethane-d5	1.529	69	59208	57.803	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	115.600%
11) 1,1-Dichloroethene-d2	2.060	65	29569	54.043	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	108.080%
21) 2-Butanone-d5	3.789	46	108978	118.584	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	118.580%
24) Chloroform-d	4.252	84	132311	51.806	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.620%
26) 1,2-Dichloroethane-d4	4.944	65	81188	47.902	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.800%
32) Benzene-d6	4.963	84	265700	52.501	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.000%
36) 1,2-Dichloropropane-d6	5.992	67	88634	54.412	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.820%
41) Toluene-d8	7.246	98	242732	52.053	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.100%
43) trans-1,3-Dichloroprop...	7.555	79	38983	46.172	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.340%
47) 2-Hexanone-d5	8.027	63	70313	140.833	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	140.830%#
56) 1,1,2,2-Tetrachloroeth...	10.156	84	120644	57.314	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	114.620%
66) 1,2-Dichlorobenzene-d4	11.564	152	93584	50.142	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.280%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	48305	42.499	ug/L	99
3) Chloromethane	1.217	50	56126	48.426	ug/L	99
5) Vinyl chloride	1.281	62	58198	47.019	ug/L	99
6) Bromomethane	1.484	94	34987	48.007	ug/L	99
8) Chloroethane	1.548	64	39783	48.363	ug/L	99
9) Trichlorofluoromethane	1.712	101	85860	47.586	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	55361	50.817	ug/L	99
12) 1,1-Dichloroethene	2.069	96	48486	49.550	ug/L	95
13) Acetone	2.111	43	90275	110.366	ug/L	99
14) Carbon disulfide	2.240	76	91172	40.891	ug/L	99
15) Methyl Acetate	2.371	43	87079	59.692	ug/L	99
16) Methylene chloride	2.449	84	81649	64.932	ug/L	99
17) trans-1,2-Dichloroethene	2.696	96	51501	48.007	ug/L	91
18) Methyl tert-butyl Ether	2.706	73	231202	50.994	ug/L	98
19) 1,1-Dichloroethane	3.114	63	125651	52.264	ug/L	100
20) cis-1,2-Dichloroethene	3.818	96	70932	52.702	ug/L	92
22) 2-Butanone	3.870	43	126914	117.259	ug/L	95
23) Bromochloromethane	4.150	128	35095	53.746	ug/L	98
25) Chloroform	4.278	83	128666	51.473	ug/L	98

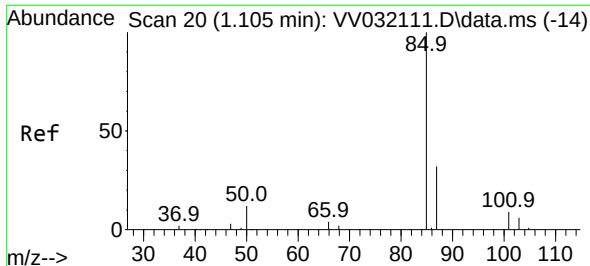
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	95628	48.560	ug/L	96
29) Cyclohexane	4.587	56	86369	44.725	ug/L	95
30) 1,1,1-Trichloroethane	4.516	97	101884	47.095	ug/L	99
31) Carbon tetrachloride	4.738	117	84094	45.778	ug/L	100
33) Benzene	5.011	78	251078	50.383	ug/L	100
34) Trichloroethene	5.834	95	67125	44.043	ug/L	98
35) Methylcyclohexane	6.053	83	83966	41.420	ug/L	95
37) 1,2-Dichloropropane	6.098	63	76392	54.082	ug/L	100
38) Bromodichloromethane	6.436	83	98281	49.019	ug/L	99
39) cis-1,3-Dichloropropene	6.957	75	116692	47.517	ug/L	95
40) 4-Methyl-2-pentanone	7.159	43	257451	114.833	ug/L	98
42) Toluene	7.317	91	270070	49.266	ug/L	100
44) trans-1,3-Dichloropropene	7.583	75	109112	46.242	ug/L	98
45) 1,1,2-Trichloroethane	7.770	97	78203	54.800	ug/L	98
46) Tetrachloroethene	7.908	164	45868	47.930	ug/L	99
48) 2-Hexanone	8.079	43	193025	112.741	ug/L	98
49) Dibromochloromethane	8.178	129	75994	51.822	ug/L	97
50) 1,2-Dibromoethane	8.284	107	78367	52.431	ug/L	98
51) Chlorobenzene	8.818	112	183585	50.400	ug/L	97
52) Ethylbenzene	8.950	91	308484	47.507	ug/L	99
53) m,p-Xylene	9.075	106	113004	46.870	ug/L	96
54) o-Xylene	9.481	106	115319	48.091	ug/L	97
55) Styrene	9.500	104	204431	48.225	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.181	83	127157	62.944	ug/L	99
59) Bromoform	9.670	173	52890	49.817	ug/L	98
60) Isopropylbenzene	9.870	105	315388	45.992	ug/L	100
61) 1,2,3-Trichloropropane	10.210	75	103120	53.311	ug/L	100
62) 1,3,5-Trimethylbenzene	10.480	105	256561	44.471	ug/L	98
63) 1,2,4-Trimethylbenzene	10.853	105	257778	44.417	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	146581	47.695	ug/L	98
65) 1,4-Dichlorobenzene	11.214	146	149554	47.857	ug/L	99
67) 1,2-Dichlorobenzene	11.583	146	152297	50.010	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	26354	45.359	ug/L	91
69) 1,3,5-Trichlorobenzene	12.586	180	104915	46.828	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	96798	45.011	ug/L	97
71) Naphthalene	13.442	128	328201	47.767	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	101990	49.493	ug/L	99

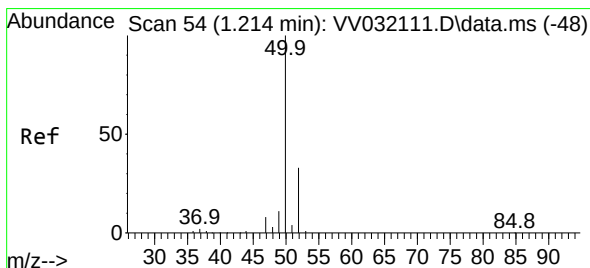
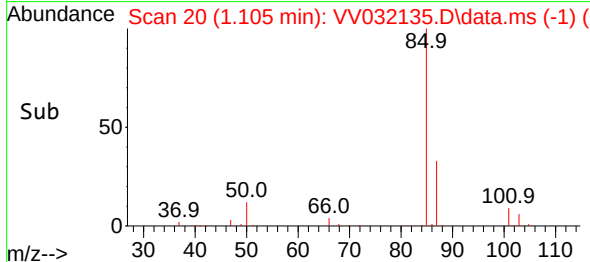
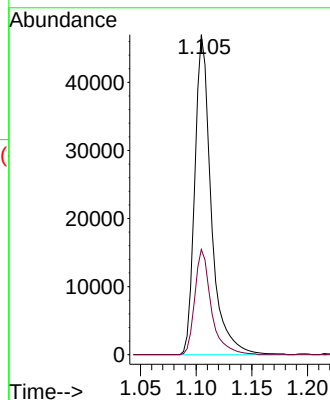
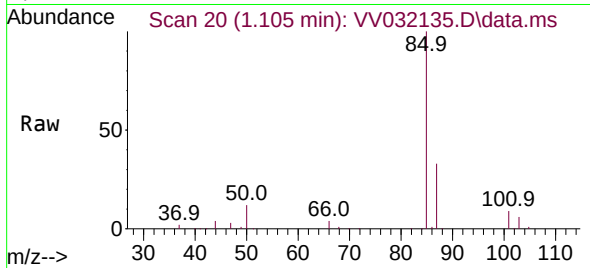
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 42.499 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV032135.D
 Acq: 15 Sep 2023 20:53

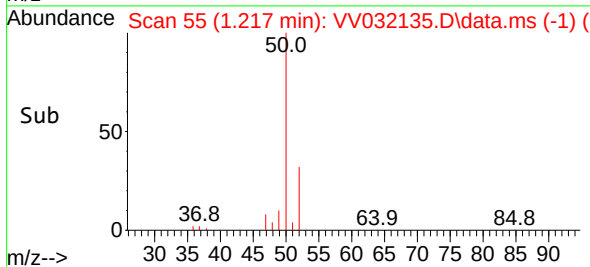
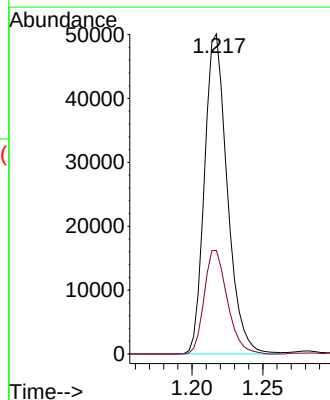
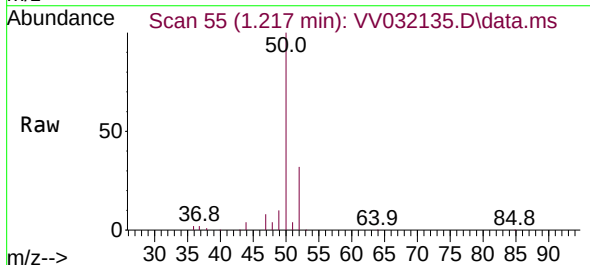
Instrument :
 MSVOA_V
 ClientSampleId :

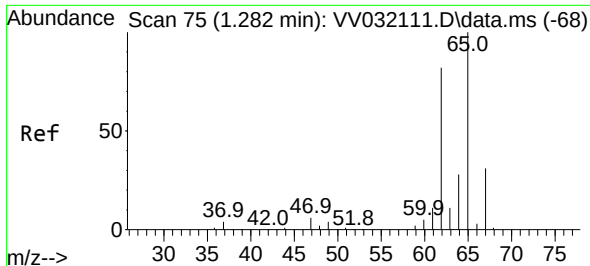
Tgt Ion: 85 Resp: 48305
 Ion Ratio Lower Upper
 85 100
 87 32.9 26.8 40.2



#3
 Chloromethane
 Concen: 48.426 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.003 min
 Lab File: VV032135.D
 Acq: 15 Sep 2023 20:53

Tgt Ion: 50 Resp: 56126
 Ion Ratio Lower Upper
 50 100
 52 32.4 23.0 42.6



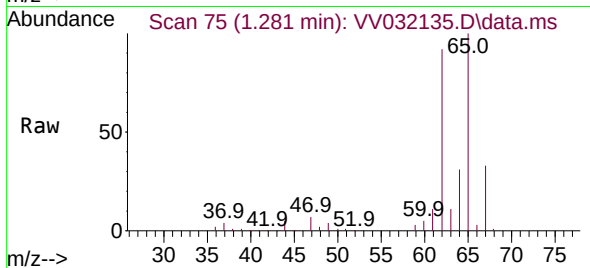


#5
 Vinyl chloride
 Concen: 47.019 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VV032135.D
 Acq: 15 Sep 2023 20:53

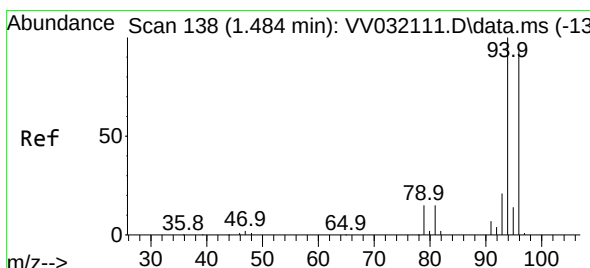
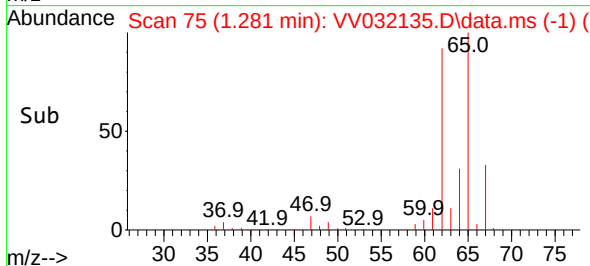
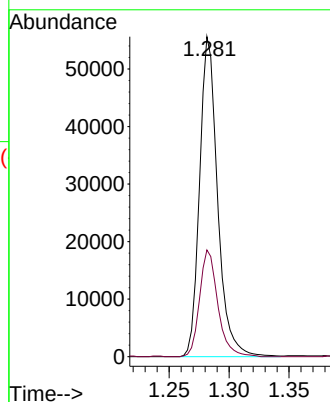
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MSVOA_V

ClientSampleId :

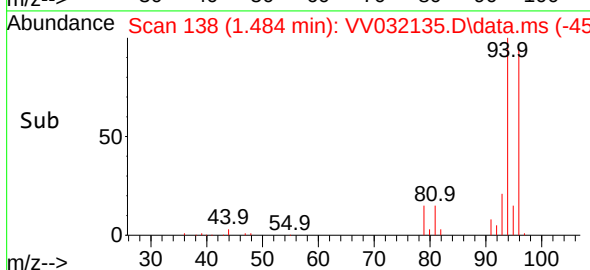
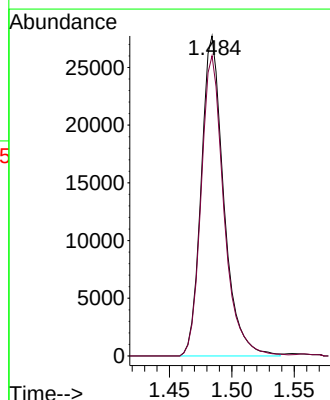
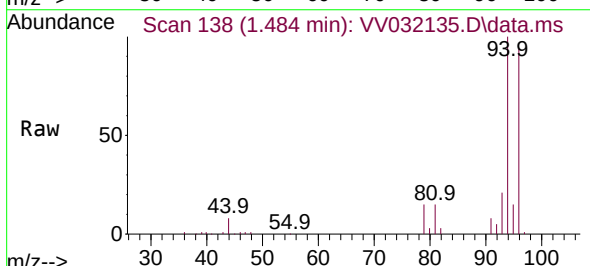


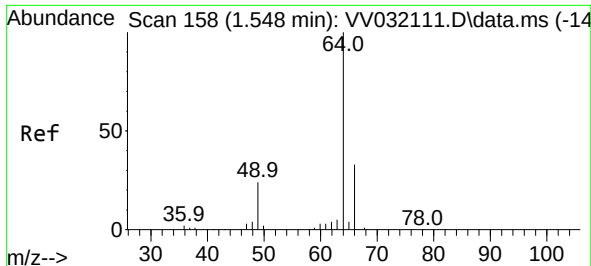
Tgt Ion: 62 Resp: 58198
 Ion Ratio Lower Upper
 62 100
 64 33.4 23.6 43.8



#6
 Bromomethane
 Concen: 48.007 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. -0.000 min
 Lab File: VV032135.D
 Acq: 15 Sep 2023 20:53

Tgt Ion: 94 Resp: 34987
 Ion Ratio Lower Upper
 94 100
 96 93.8 66.4 123.4

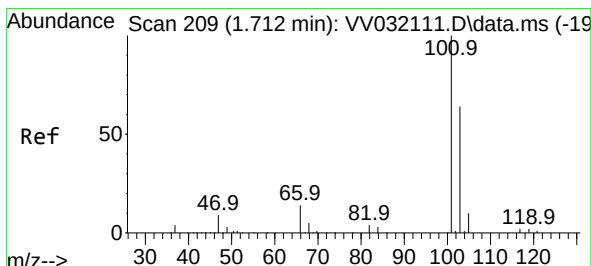
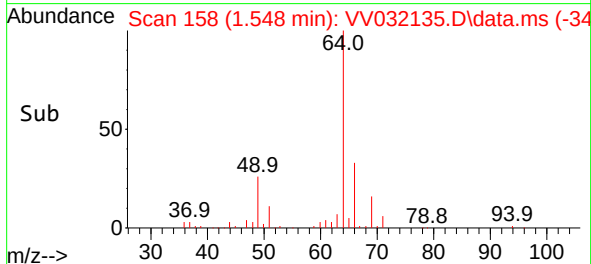
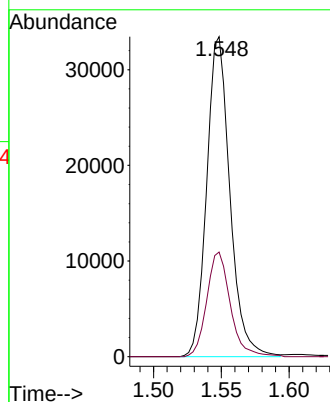
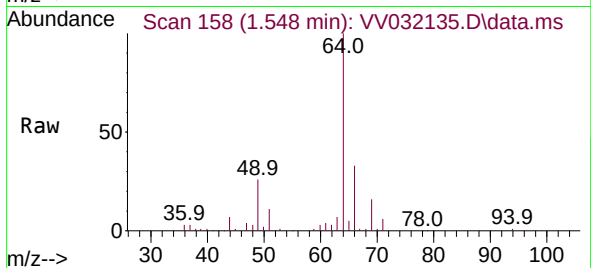




#8
Chloroethane
Concen: 48.363 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV032135.D
Acq: 15 Sep 2023 20:53

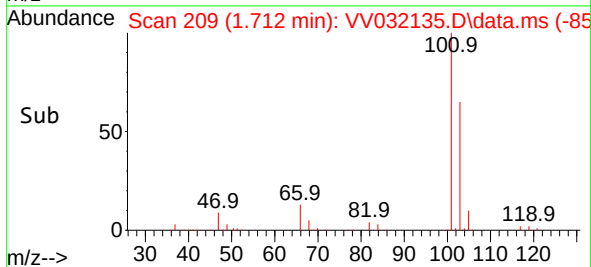
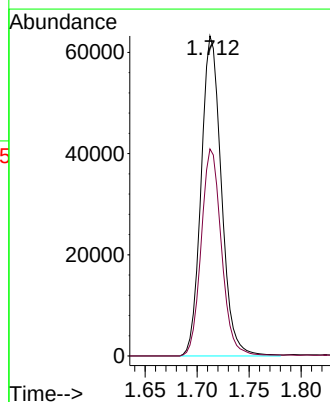
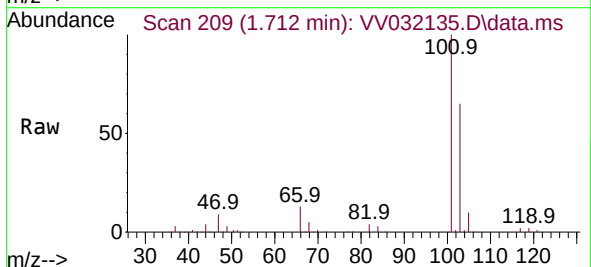
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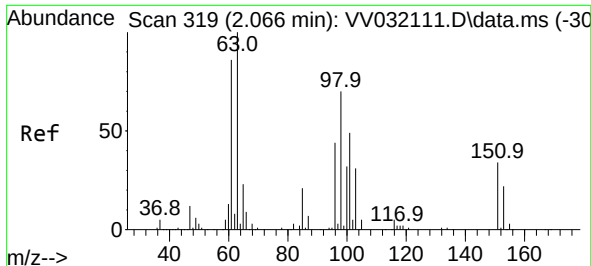
Tgt Ion: 64 Resp: 39783
Ion Ratio Lower Upper
64 100
66 32.7 23.2 43.2



#9
Trichlorofluoromethane
Concen: 47.586 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV032135.D
Acq: 15 Sep 2023 20:53

Tgt Ion:101 Resp: 85860
Ion Ratio Lower Upper
101 100
103 64.6 51.9 77.9

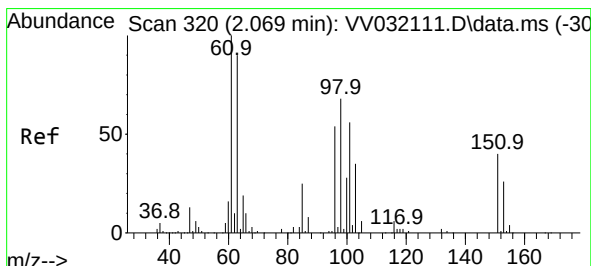
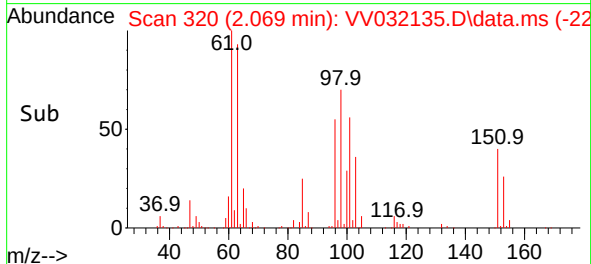
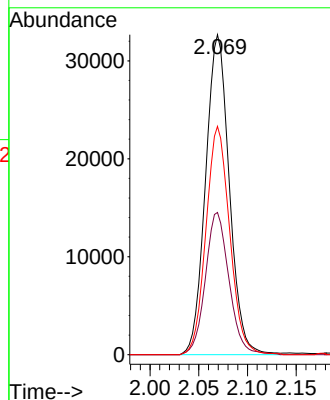
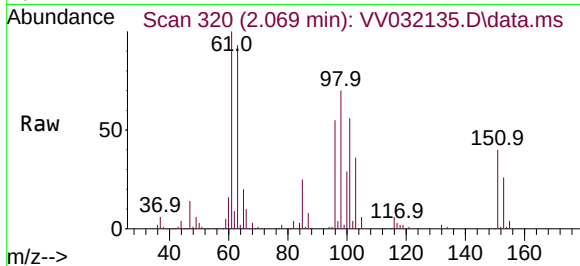




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 50.817 ug/L
RT: 2.069 min Scan# 319
Delta R.T. 0.003 min
Lab File: VV032135.D
Acq: 15 Sep 2023 20:53

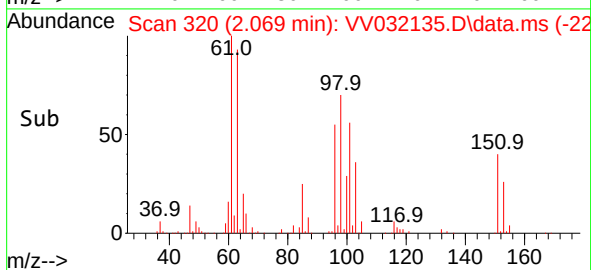
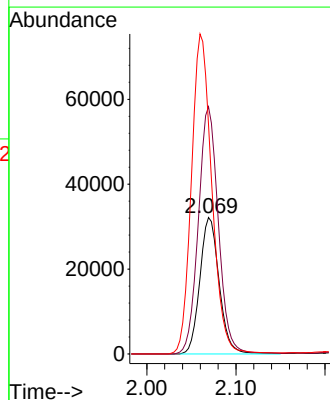
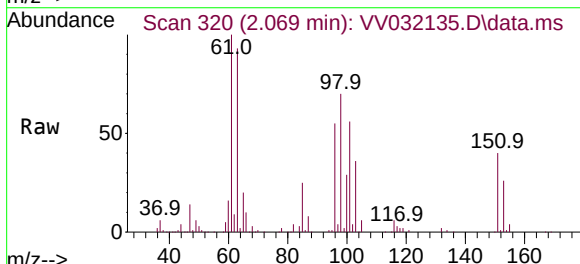
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ClientSampleId :

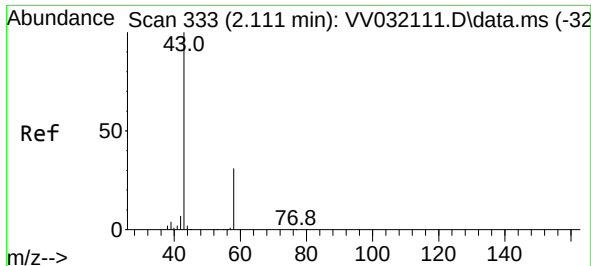
Tgt Ion:101 Resp: 55361
Ion Ratio Lower Upper
101 100
85 44.3 35.8 53.8
151 71.3 56.5 84.7



#12
1,1-Dichloroethene
Concen: 49.550 ug/L
RT: 2.069 min Scan# 320
Delta R.T. -0.000 min
Lab File: VV032135.D
Acq: 15 Sep 2023 20:53

Tgt Ion: 96 Resp: 48486
Ion Ratio Lower Upper
96 100
61 181.2 133.8 248.6
63 168.2 115.2 214.0





#13

Acetone

Concen: 110.366 ug/L

RT: 2.111 min Scan# 311

Delta R.T. -0.000 min

Lab File: VV032135.D

Acq: 15 Sep 2023 20:53

Instrument :

MSVOA_V

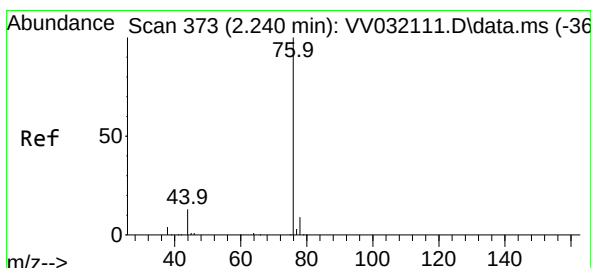
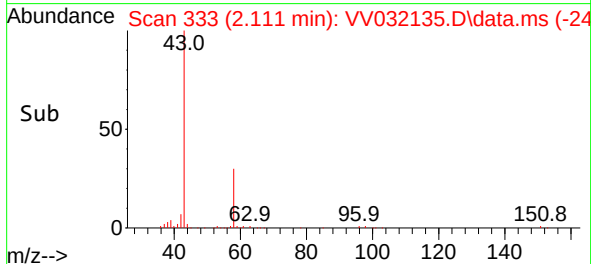
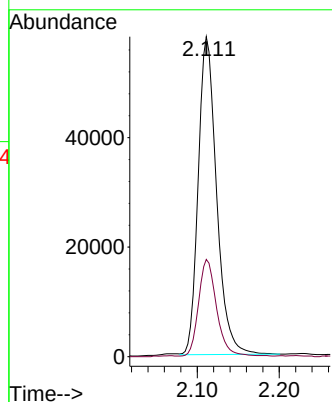
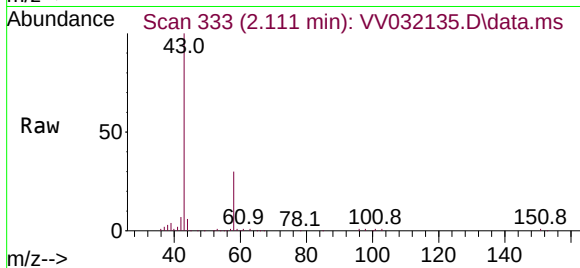
ClientSampleId :

Tgt Ion: 43 Resp: 90275

Ion Ratio Lower Upper

43 100

58 30.1 0.0 61.0



#14

Carbon disulfide

Concen: 40.891 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

Lab File: VV032135.D

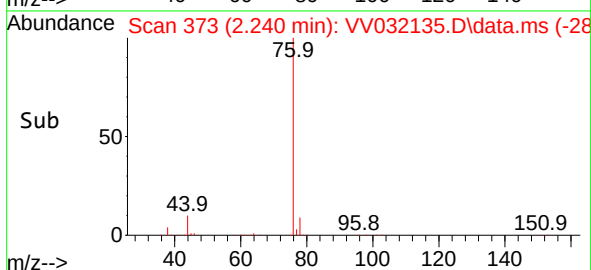
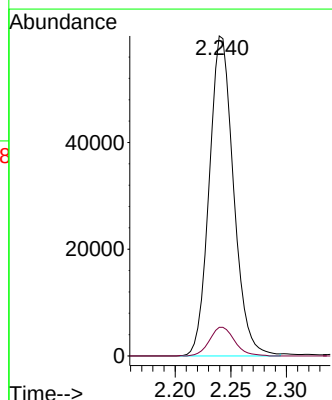
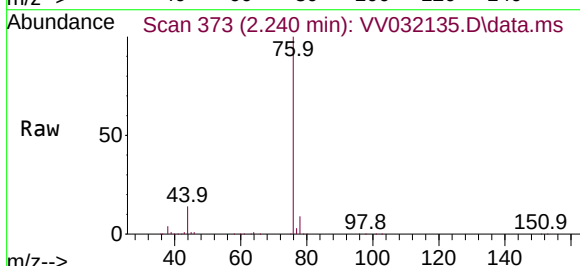
Acq: 15 Sep 2023 20:53

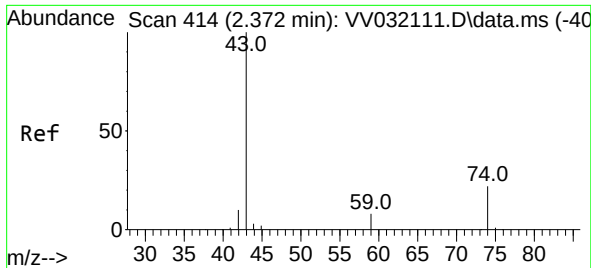
Tgt Ion: 76 Resp: 91172

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0

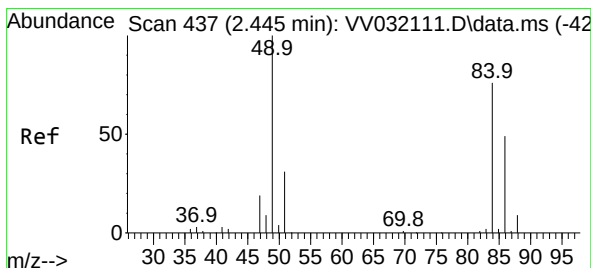
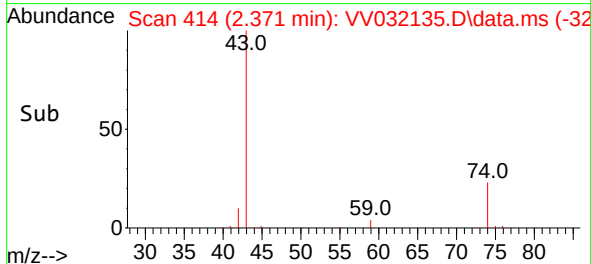
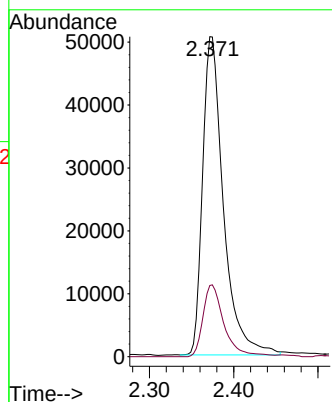
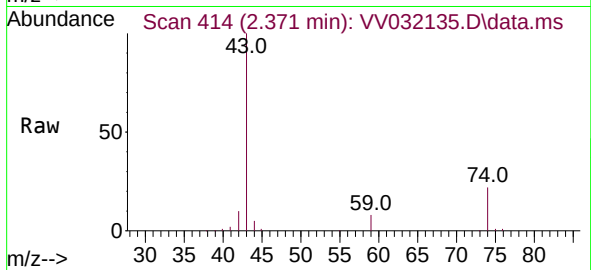




#15
Methyl Acetate
Concen: 59.692 ug/L
RT: 2.371 min Scan# 414
Delta R.T. -0.000 min
Lab File: VV032135.D
Acq: 15 Sep 2023 20:53

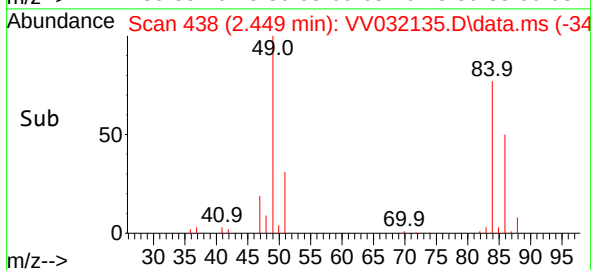
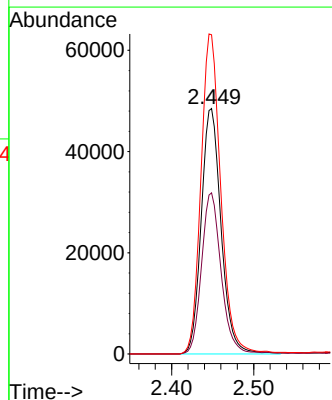
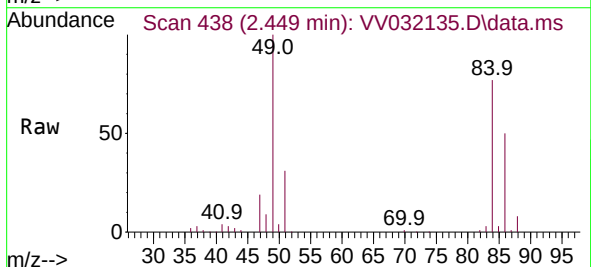
Instrument :
MSVOA_V
ClientSampleId :

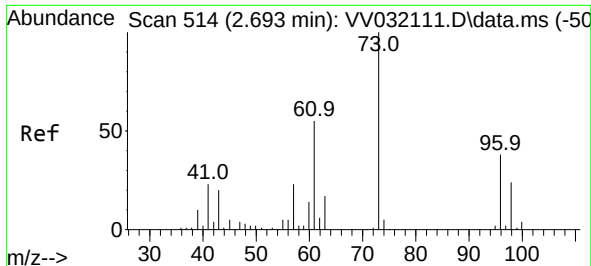
Tgt Ion: 43 Resp: 87079
Ion Ratio Lower Upper
43 100
74 22.9 17.9 26.9



#16
Methylene chloride
Concen: 64.932 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.003 min
Lab File: VV032135.D
Acq: 15 Sep 2023 20:53

Tgt Ion: 84 Resp: 81649
Ion Ratio Lower Upper
84 100
86 65.6 44.6 82.8
49 130.1 91.6 170.2





#17

trans-1,2-Dichloroethene

Concen: 48.007 ug/L

RT: 2.696 min Scan# 514

Delta R.T. 0.003 min

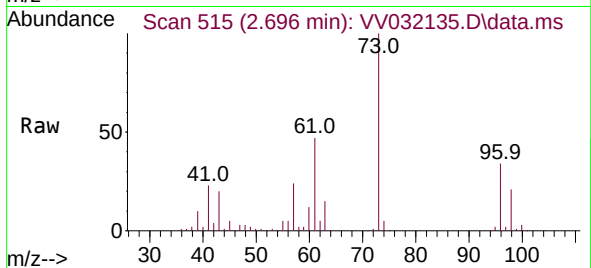
Lab File: VV032135.D

Acq: 15 Sep 2023 20:53

Instrument :

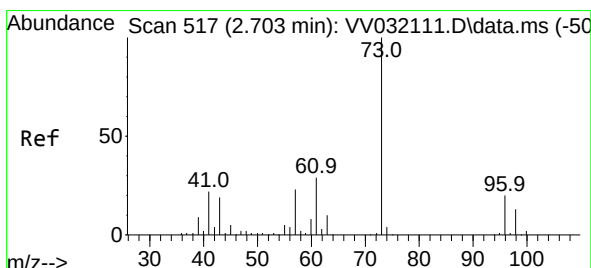
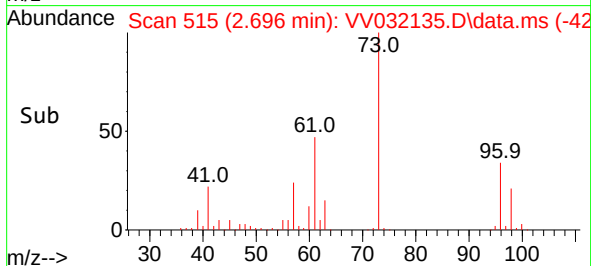
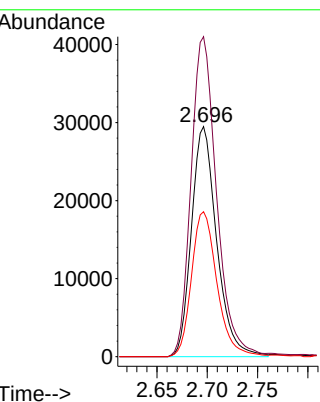
MSVOA_V

ClientSampleId :



Tgt Ion: 96 Resp: 51501

Ion	Ratio	Lower	Upper
96	100		
61	139.1	107.3	199.3
98	63.0	46.3	85.9



#18

Methyl tert-butyl Ether

Concen: 50.994 ug/L

RT: 2.706 min Scan# 518

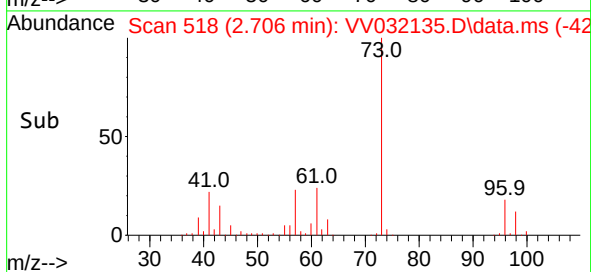
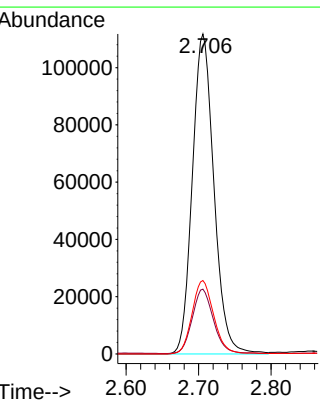
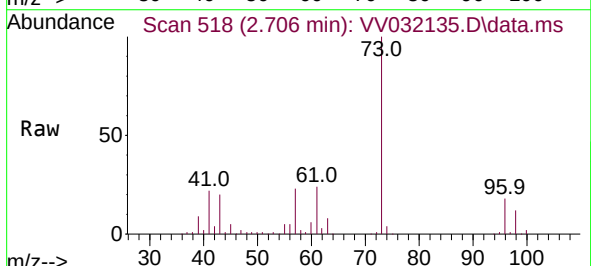
Delta R.T. 0.003 min

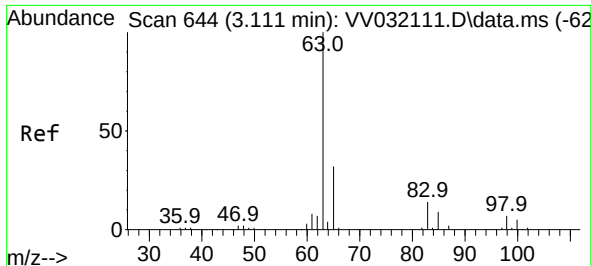
Lab File: VV032135.D

Acq: 15 Sep 2023 20:53

Tgt Ion: 73 Resp: 231202

Ion	Ratio	Lower	Upper
73	100		
43	19.8	16.6	25.0
57	22.9	17.6	26.4

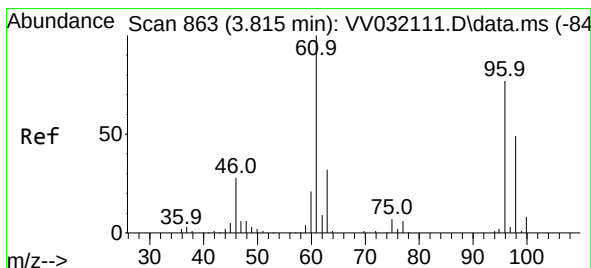
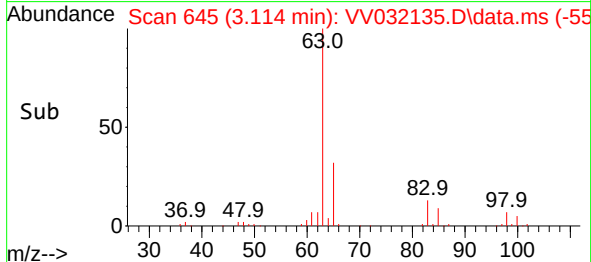
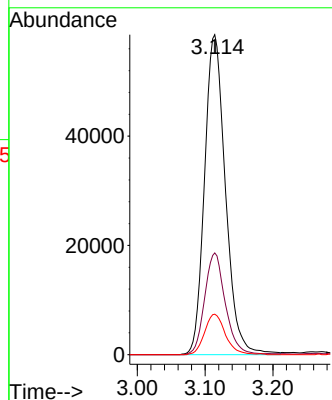
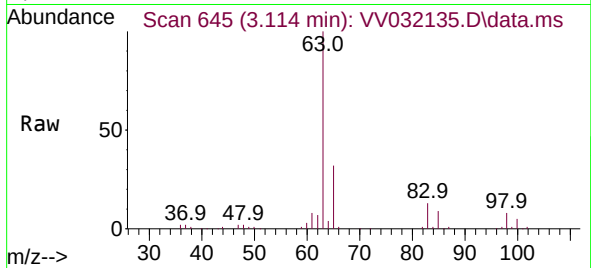




#19
1,1-Dichloroethane
Concen: 52.264 ug/L
RT: 3.114 min Scan# 64
Delta R.T. 0.003 min
Lab File: VV032135.D
Acq: 15 Sep 2023 20:53

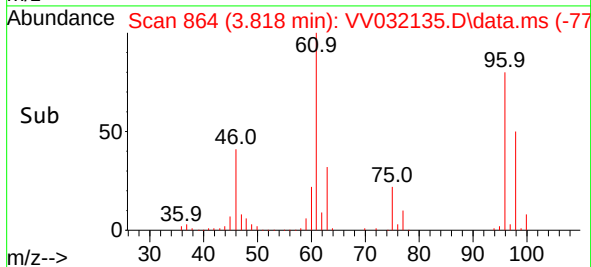
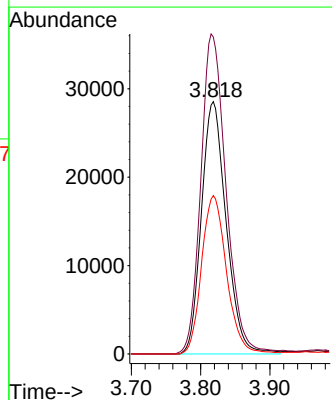
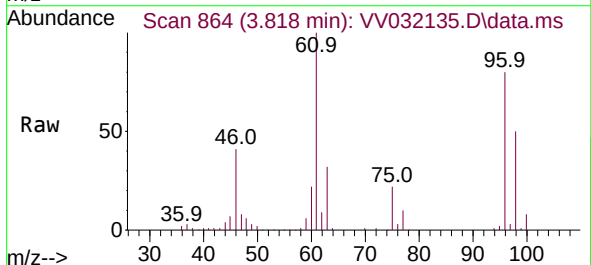
Instrument :
MSVOA_V
ClientSampleId :

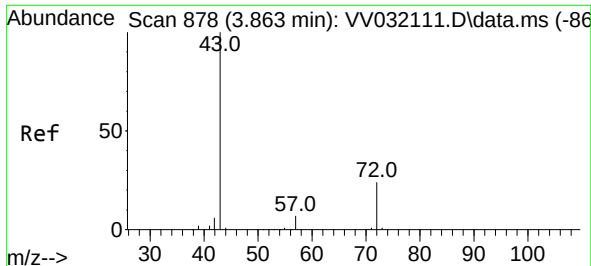
Tgt Ion: 63 Resp: 125651
Ion Ratio Lower Upper
63 100
65 31.8 22.4 41.6
83 12.7 8.7 16.1



#20
cis-1,2-Dichloroethene
Concen: 52.702 ug/L
RT: 3.818 min Scan# 864
Delta R.T. 0.003 min
Lab File: VV032135.D
Acq: 15 Sep 2023 20:53

Tgt Ion: 96 Resp: 70932
Ion Ratio Lower Upper
96 100
61 125.6 97.3 180.7
98 62.8 45.3 84.1

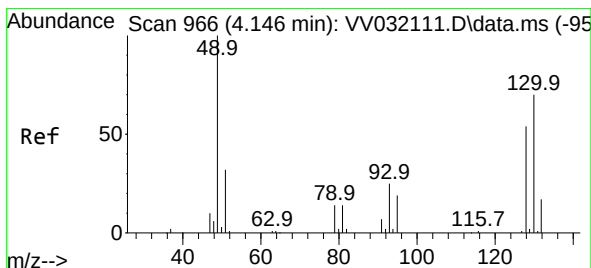
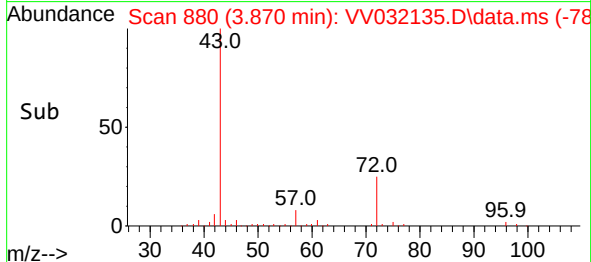
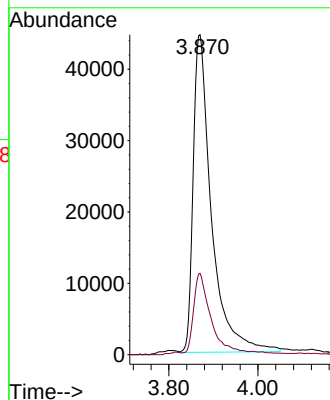
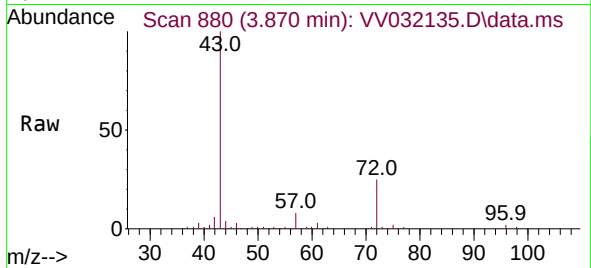




#22
2-Butanone
Concen: 117.259 ug/L
RT: 3.870 min Scan# 878
Delta R.T. 0.006 min
Lab File: VV032135.D
Acq: 15 Sep 2023 20:53

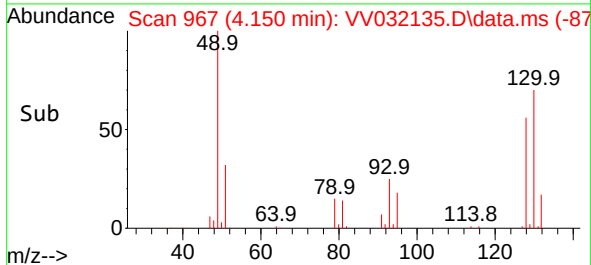
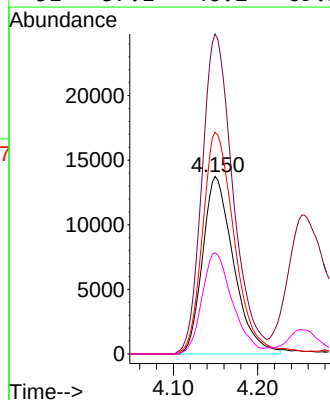
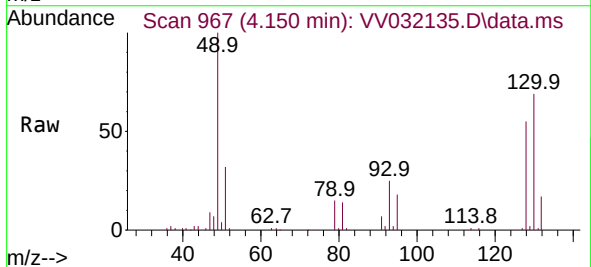
Instrument :
MSVOA_V
ClientSampleId :

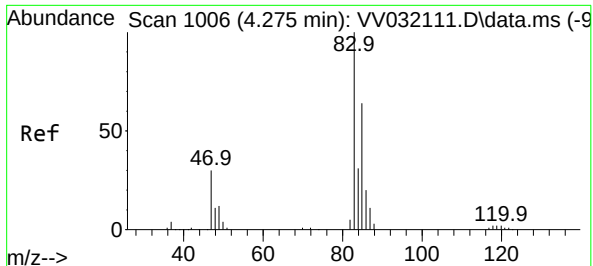
Tgt Ion: 43 Resp: 126914
Ion Ratio Lower Upper
43 100
72 22.8 12.6 37.8



#23
Bromochloromethane
Concen: 53.746 ug/L
RT: 4.150 min Scan# 967
Delta R.T. 0.003 min
Lab File: VV032135.D
Acq: 15 Sep 2023 20:53

Tgt Ion:128 Resp: 35095
Ion Ratio Lower Upper
128 100
49 180.3 127.8 237.4
130 125.0 90.1 167.3
51 57.1 46.2 69.2

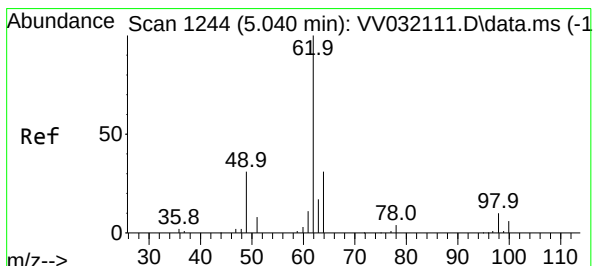
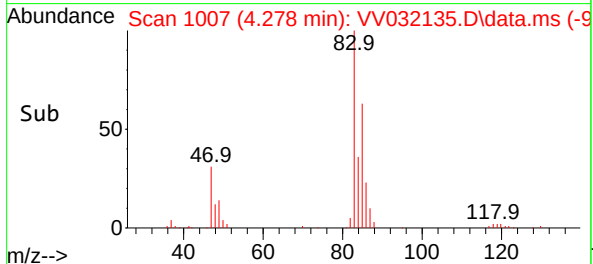
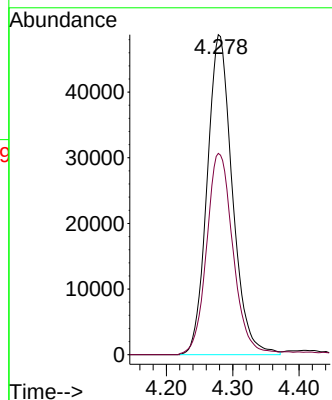
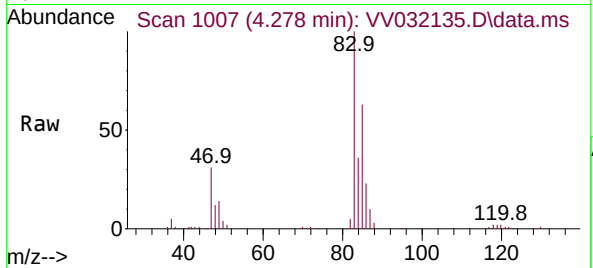




#25
Chloroform
Concen: 51.473 ug/L
RT: 4.278 min Scan# 1006
Delta R.T. 0.003 min
Lab File: VV032135.D
Acq: 15 Sep 2023 20:53

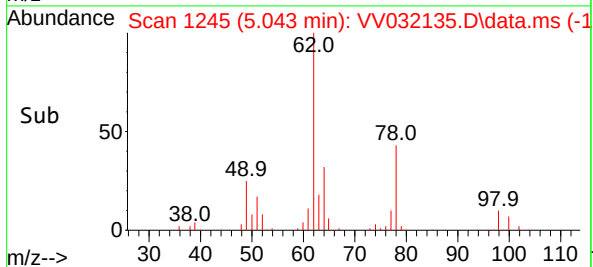
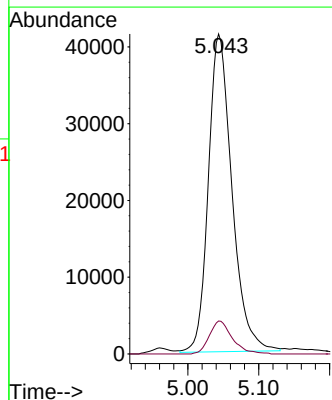
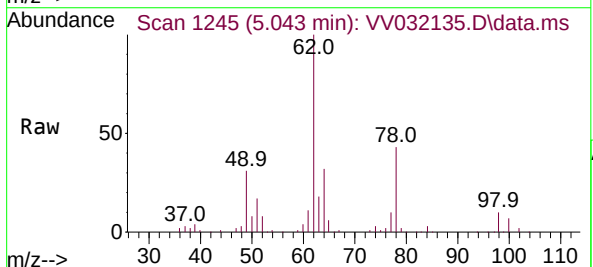
Instrument :
MSVOA_V
ClientSampleId :

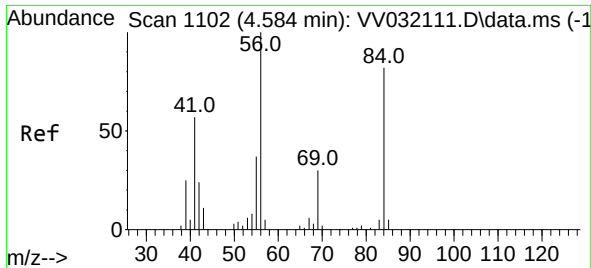
Tgt Ion: 83 Resp: 128666
Ion Ratio Lower Upper
83 100
85 62.9 44.9 83.3



#27
1,2-Dichloroethane
Concen: 48.560 ug/L
RT: 5.043 min Scan# 1245
Delta R.T. 0.003 min
Lab File: VV032135.D
Acq: 15 Sep 2023 20:53

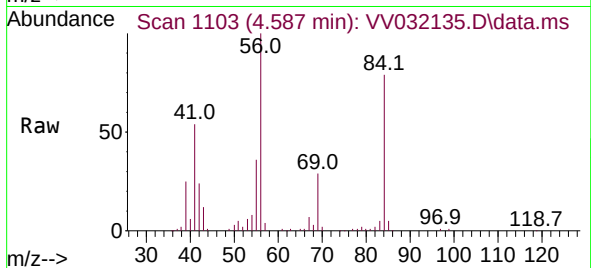
Tgt Ion: 62 Resp: 95628
Ion Ratio Lower Upper
62 100
98 10.3 7.0 10.4



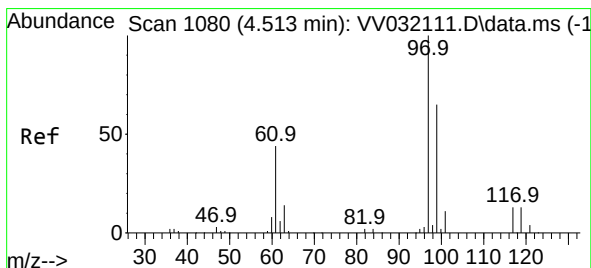
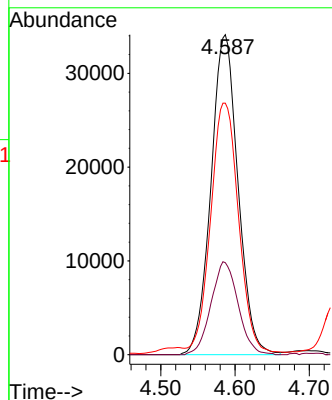
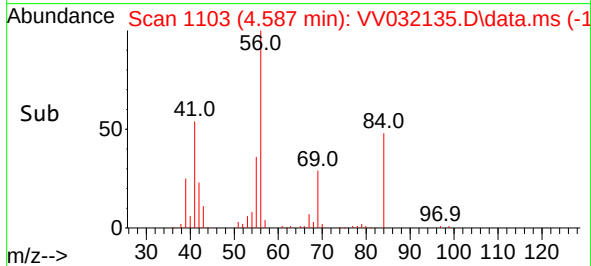


#29
Cyclohexane
Concen: 44.725 ug/L
RT: 4.587 min Scan# 1102
Delta R.T. 0.003 min
Lab File: VV032135.D
Acq: 15 Sep 2023 20:53

Instrument :
MSVOA_V
ClientSampleId :

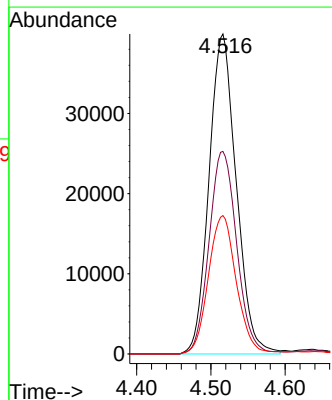
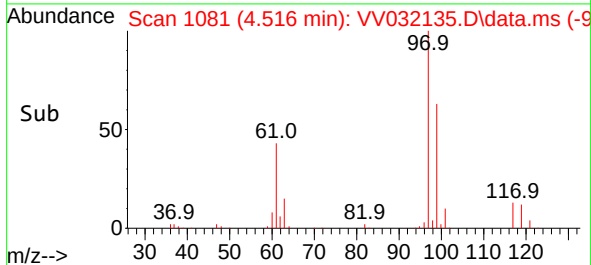
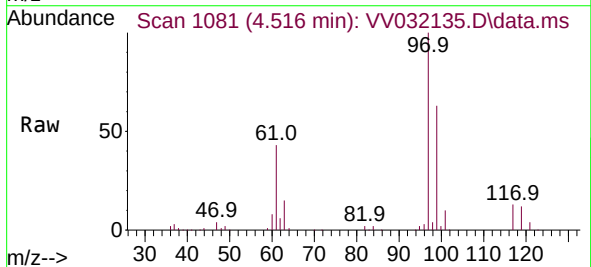


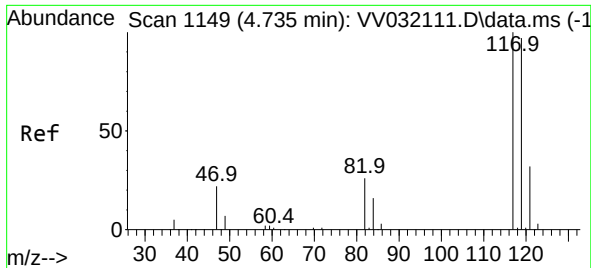
Tgt Ion: 56 Resp: 86369
Ion Ratio Lower Upper
56 100
69 29.0 24.2 36.4
84 79.0 67.5 101.3



#30
1,1,1-Trichloroethane
Concen: 47.095 ug/L
RT: 4.516 min Scan# 1081
Delta R.T. 0.003 min
Lab File: VV032135.D
Acq: 15 Sep 2023 20:53

Tgt Ion: 97 Resp: 101884
Ion Ratio Lower Upper
97 100
99 64.5 51.0 76.4
61 44.3 36.5 54.7

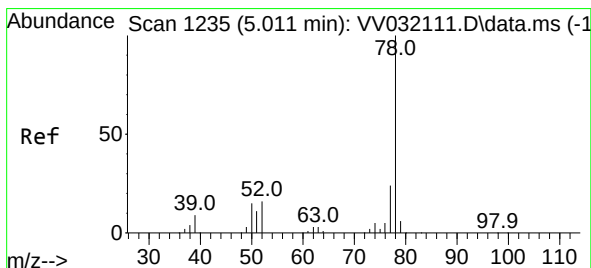
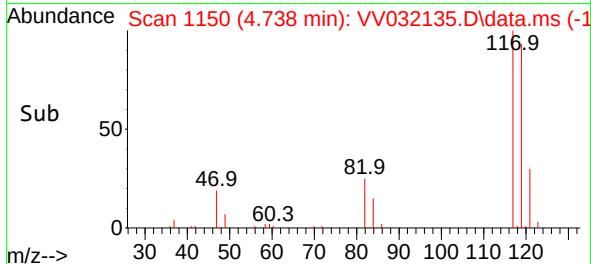
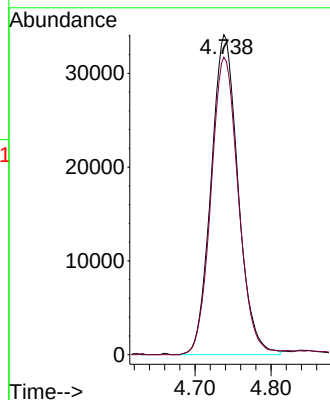
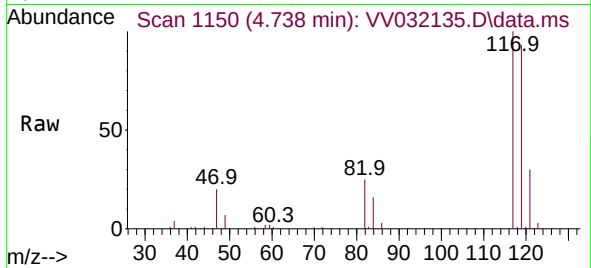




#31
Carbon tetrachloride
Concen: 45.778 ug/L
RT: 4.738 min Scan# 1149
Delta R.T. 0.003 min
Lab File: VV032135.D
Acq: 15 Sep 2023 20:53

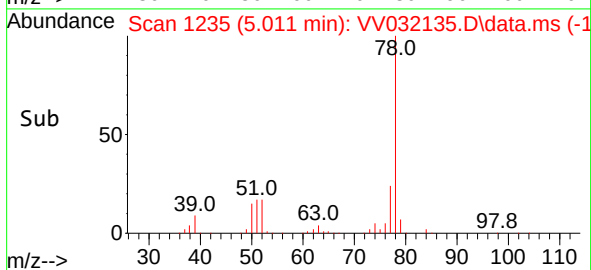
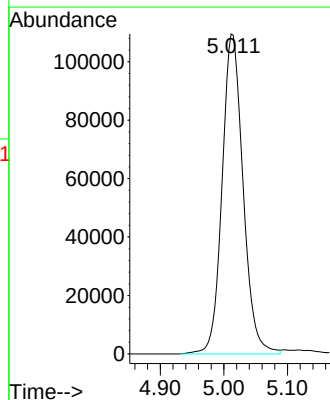
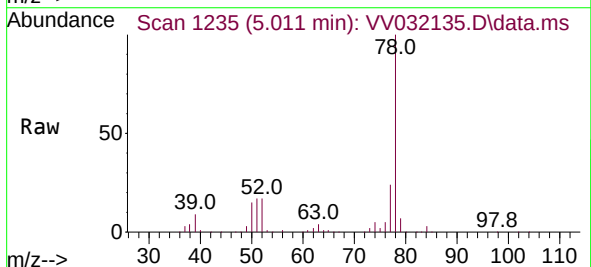
Instrument :
MSVOA_V
ClientSampleId :

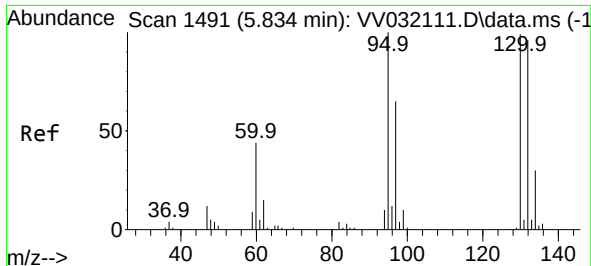
Tgt Ion:117 Resp: 84094
Ion Ratio Lower Upper
117 100
119 94.3 75.4 113.2



#33
Benzene
Concen: 50.383 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. -0.000 min
Lab File: VV032135.D
Acq: 15 Sep 2023 20:53

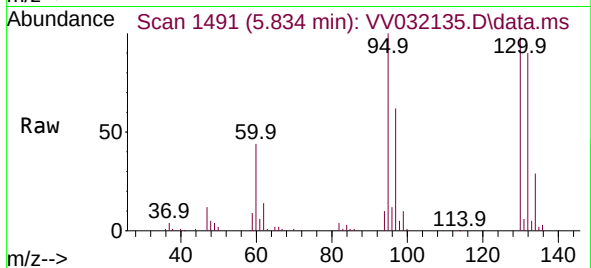
Tgt Ion: 78 Resp: 251078



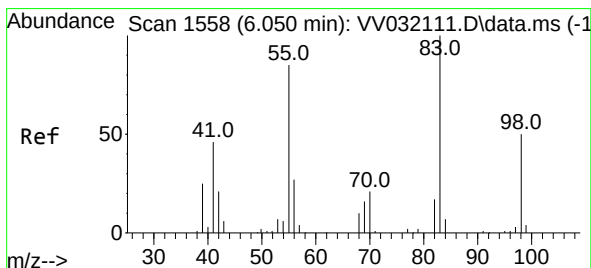
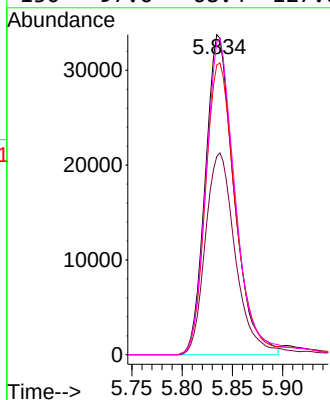
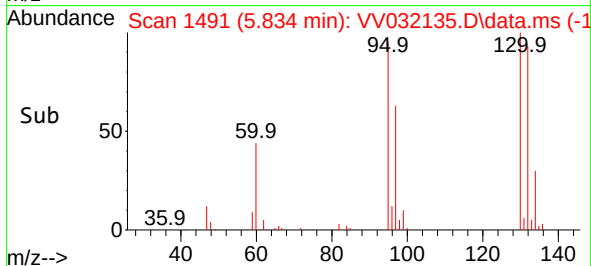


#34
Trichloroethene
Concen: 44.043 ug/L
RT: 5.834 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VV032135.D
Acq: 15 Sep 2023 20:53

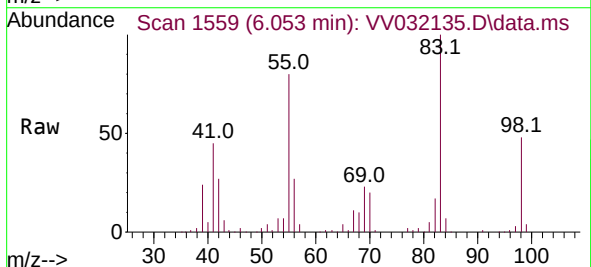
Instrument :
MSVOA_V
ClientSampleId :



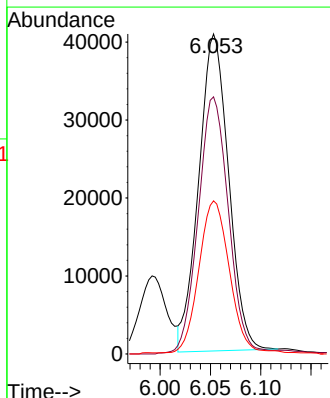
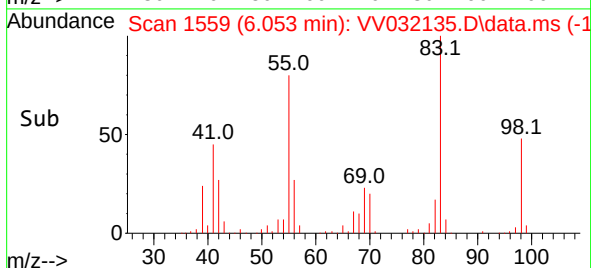
Tgt Ion: 95 Resp: 67125
Ion Ratio Lower Upper
95 100
97 62.0 45.4 84.2
132 90.5 65.4 121.4
130 97.6 68.4 127.0

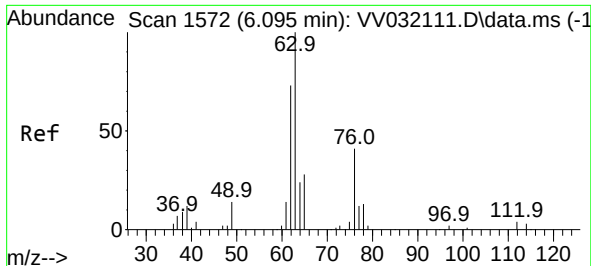


#35
Methylcyclohexane
Concen: 41.420 ug/L
RT: 6.053 min Scan# 1559
Delta R.T. 0.003 min
Lab File: VV032135.D
Acq: 15 Sep 2023 20:53



Tgt Ion: 83 Resp: 83966
Ion Ratio Lower Upper
83 100
55 82.5 62.2 93.2
98 48.7 36.7 55.1





#37

1,2-Dichloropropane

Concen: 54.082 ug/L

RT: 6.098 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV032135.D

Acq: 15 Sep 2023 20:53

Instrument :

MSVOA_V

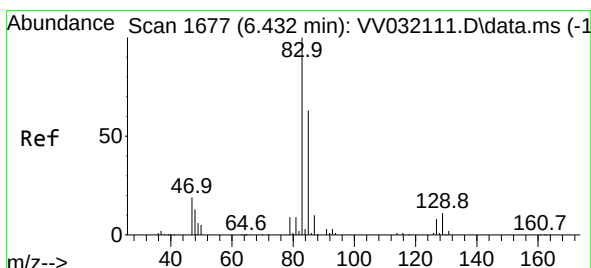
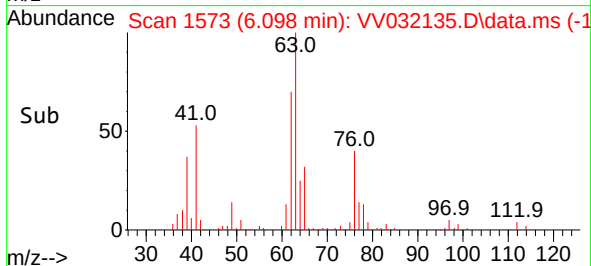
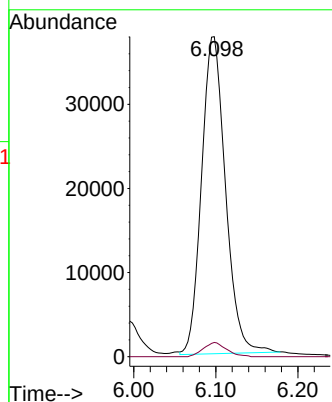
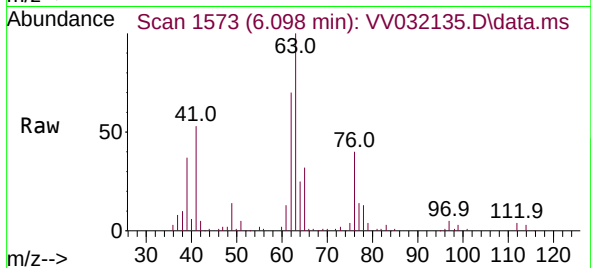
ClientSampleId :

Tgt Ion: 63 Resp: 76392

Ion Ratio Lower Upper

63 100

112 4.3 3.5 5.3



#38

Bromodichloromethane

Concen: 49.019 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.003 min

Lab File: VV032135.D

Acq: 15 Sep 2023 20:53

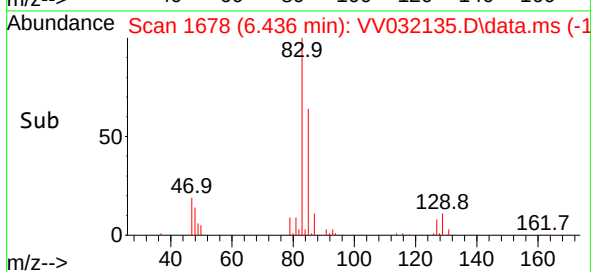
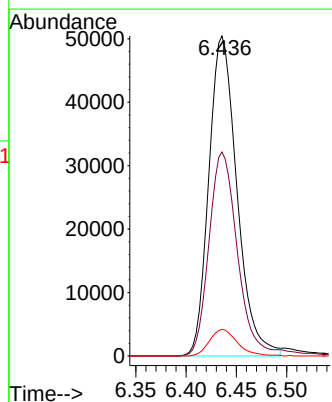
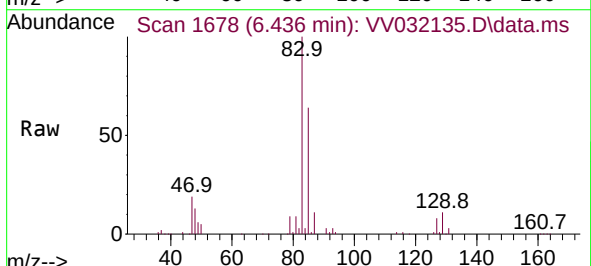
Tgt Ion: 83 Resp: 98281

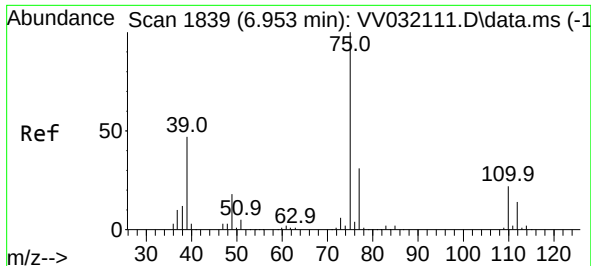
Ion Ratio Lower Upper

83 100

85 63.7 45.2 84.0

127 8.3 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 47.517 ug/L

RT: 6.957 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV032135.D

Acq: 15 Sep 2023 20:53

Instrument :

MSVOA_V

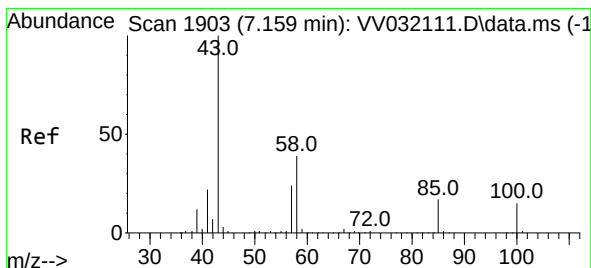
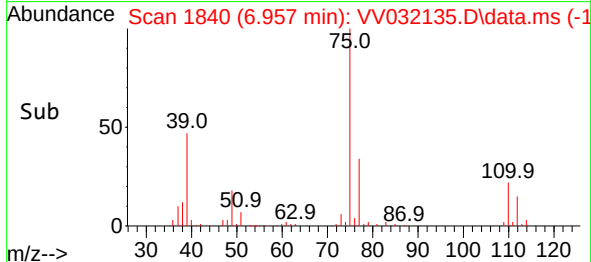
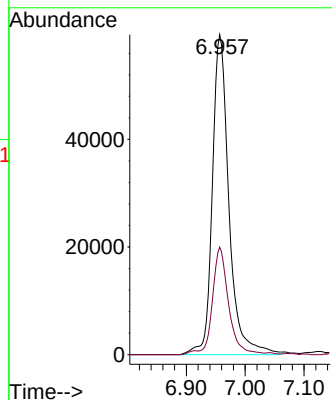
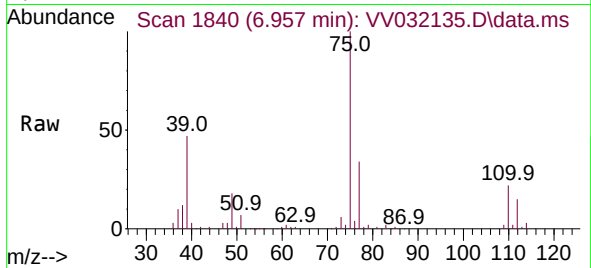
ClientSampleId :

Tgt Ion: 75 Resp: 116692

Ion Ratio Lower Upper

75 100

77 33.6 21.4 39.8



#40

4-Methyl-2-pentanone

Concen: 114.833 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VV032135.D

Acq: 15 Sep 2023 20:53

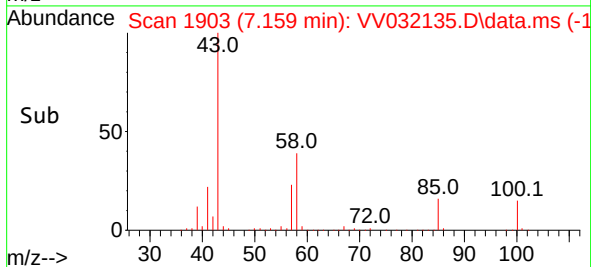
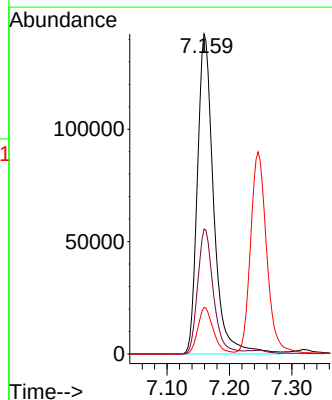
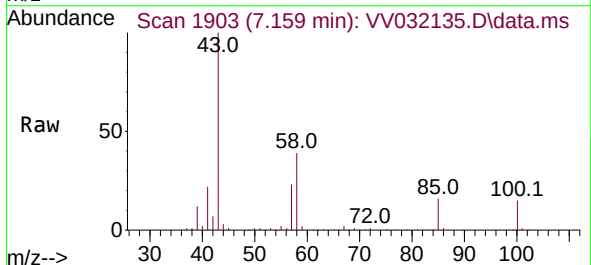
Tgt Ion: 43 Resp: 257451

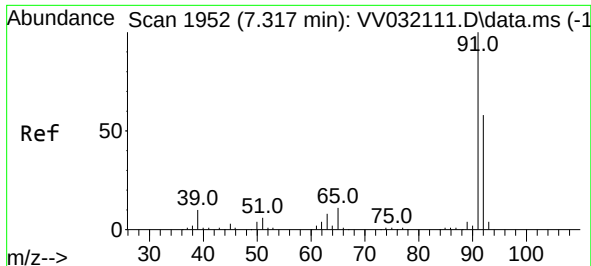
Ion Ratio Lower Upper

43 100

58 38.0 31.1 46.7

100 13.9 11.9 17.9

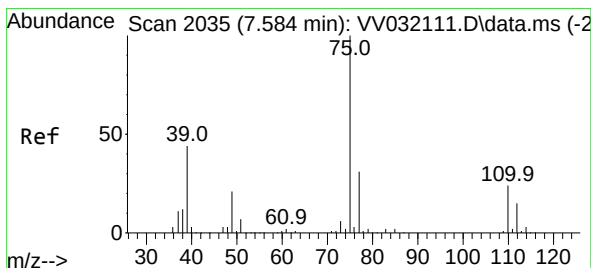
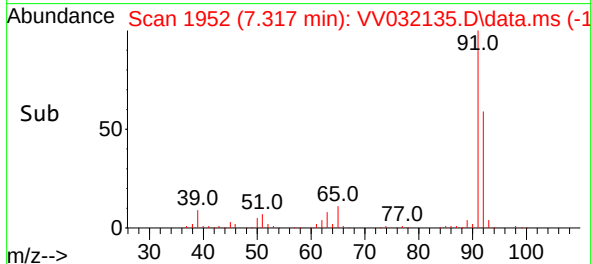
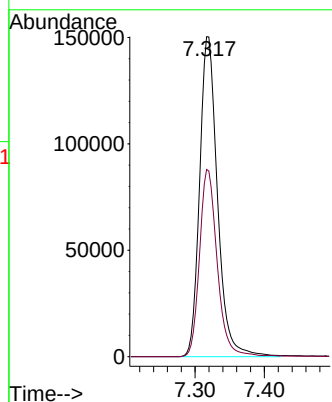
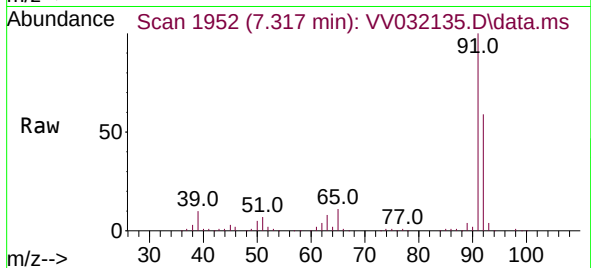




#42
Toluene
Concen: 49.266 ug/L
RT: 7.317 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VV032135.D
Acq: 15 Sep 2023 20:53

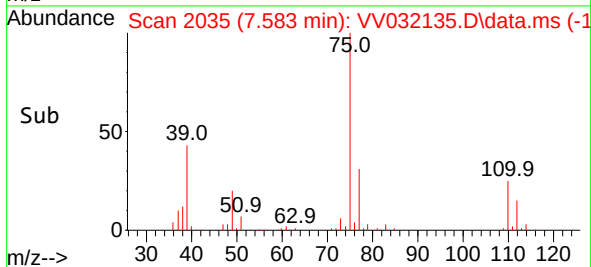
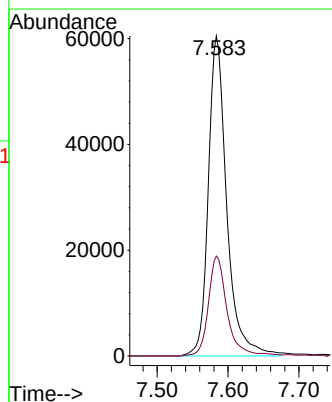
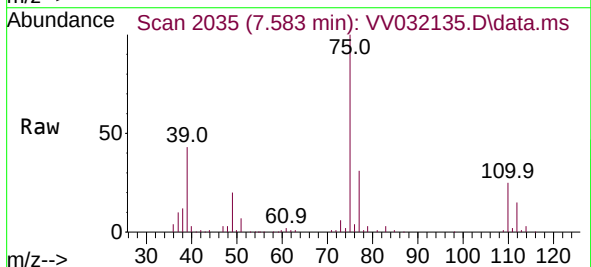
Instrument :
MSVOA_V
ClientSampleId :

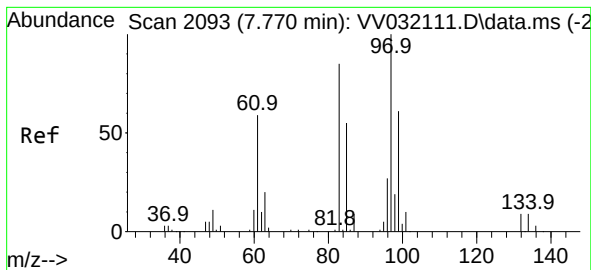
Tgt Ion: 91 Resp: 270070
Ion Ratio Lower Upper
91 100
92 58.5 40.7 75.7



#44
trans-1,3-Dichloropropene
Concen: 46.242 ug/L
RT: 7.583 min Scan# 2035
Delta R.T. -0.000 min
Lab File: VV032135.D
Acq: 15 Sep 2023 20:53

Tgt Ion: 75 Resp: 109112
Ion Ratio Lower Upper
75 100
77 31.2 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 54.800 ug/L

RT: 7.770 min Scan# 2093

Delta R.T. -0.000 min

Lab File: VV032135.D

Acq: 15 Sep 2023 20:53

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 78203

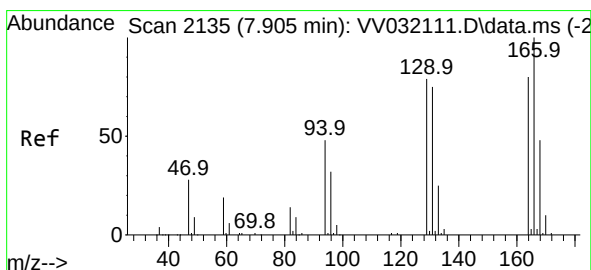
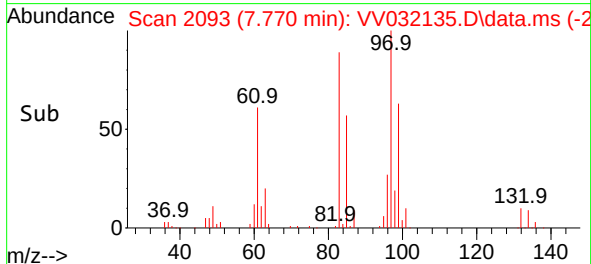
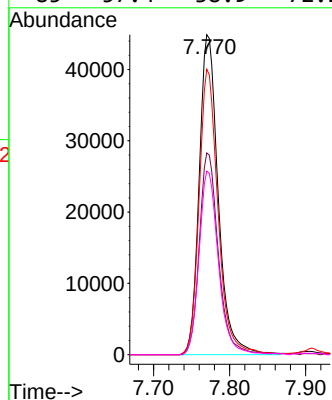
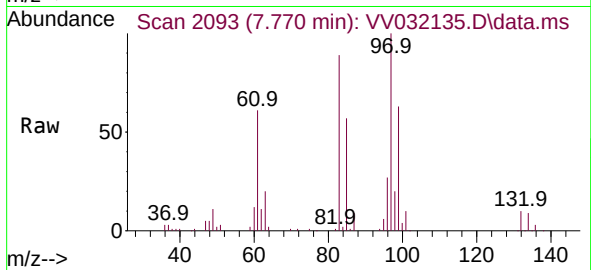
Ion Ratio Lower Upper

97 100

99 63.1 43.0 79.8

83 89.2 61.2 113.6

85 57.4 38.9 72.2



#46

Tetrachloroethene

Concen: 47.930 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. 0.003 min

Lab File: VV032135.D

Acq: 15 Sep 2023 20:53

Tgt Ion:164 Resp: 45868

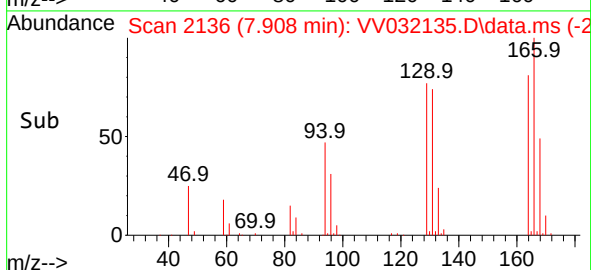
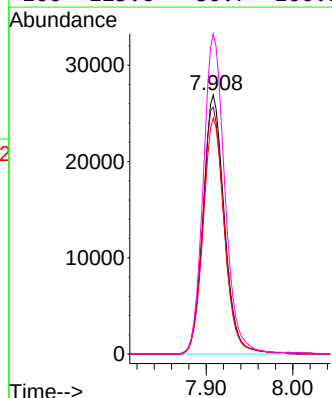
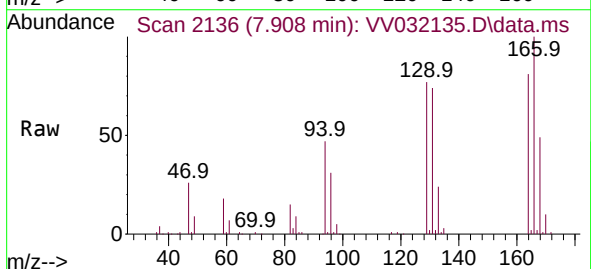
Ion Ratio Lower Upper

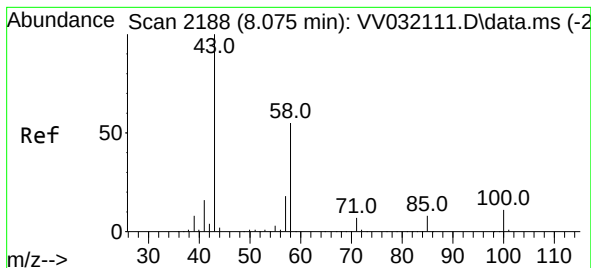
164 100

129 95.3 68.3 126.9

131 91.2 64.9 120.5

166 123.6 86.7 160.9





#48

2-Hexanone

Concen: 112.741 ug/L

RT: 8.079 min Scan# 2188

Delta R.T. 0.003 min

Lab File: VV032135.D

Acq: 15 Sep 2023 20:53

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 193025

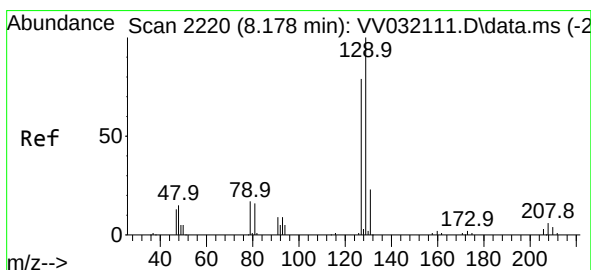
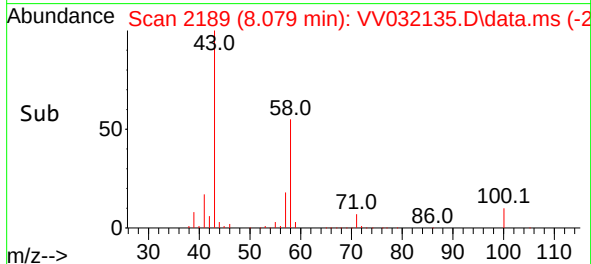
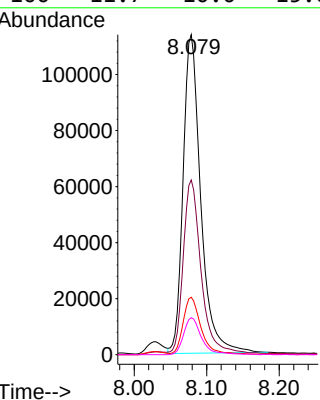
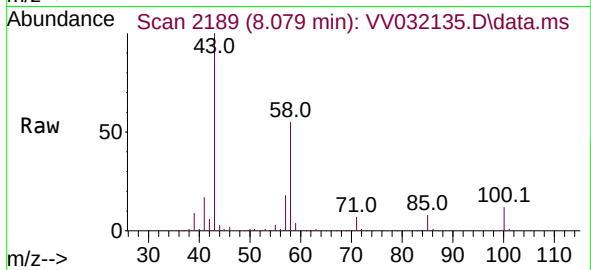
Ion Ratio Lower Upper

43 100

58 54.4 44.0 66.0

57 18.3 15.9 23.9

100 11.7 10.0 15.0



#49

Dibromochloromethane

Concen: 51.822 ug/L

RT: 8.178 min Scan# 2220

Delta R.T. -0.000 min

Lab File: VV032135.D

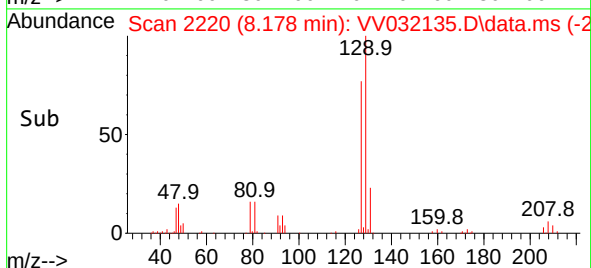
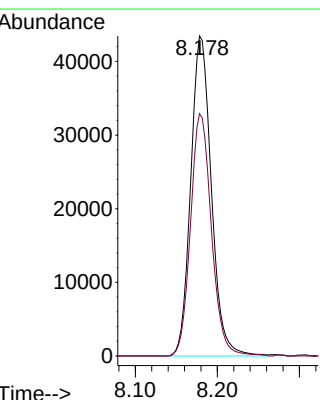
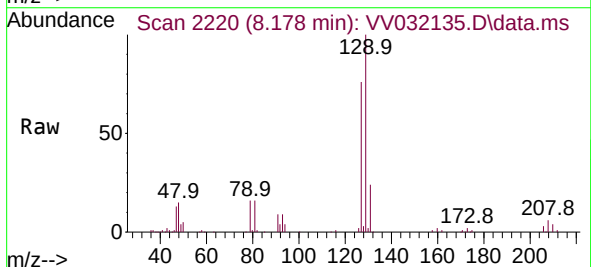
Acq: 15 Sep 2023 20:53

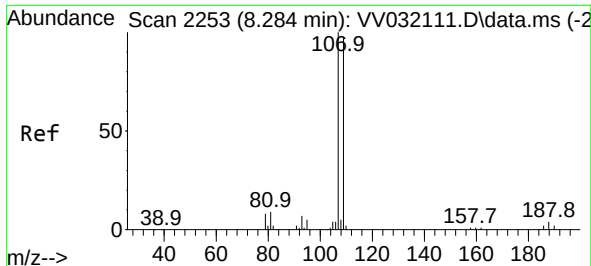
Tgt Ion:129 Resp: 75994

Ion Ratio Lower Upper

129 100

127 75.7 54.7 101.7





#50

1,2-Dibromoethane

Concen: 52.431 ug/L

RT: 8.284 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV032135.D

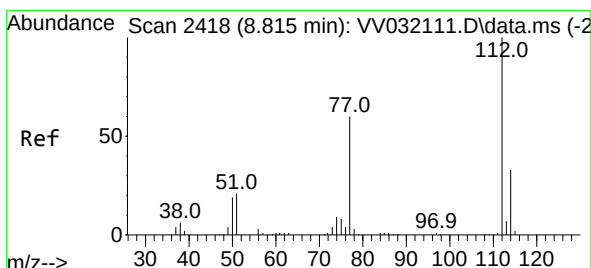
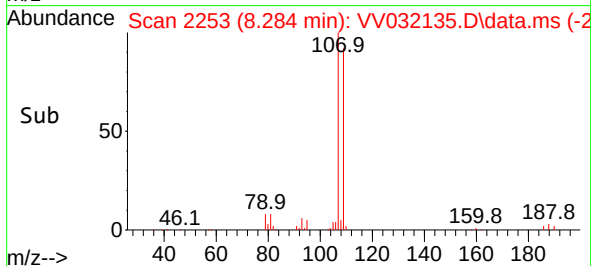
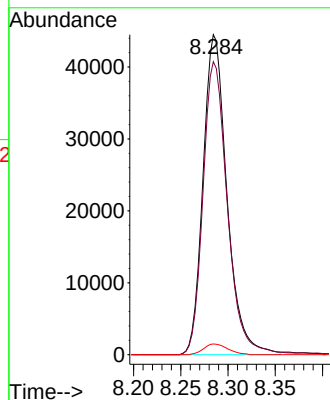
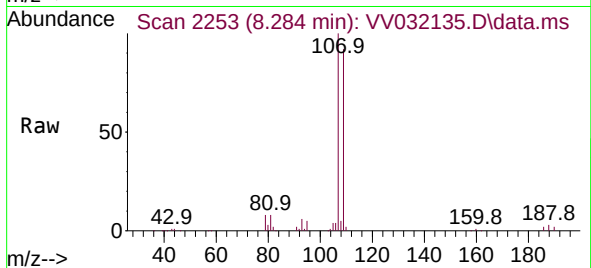
Acq: 15 Sep 2023 20:53

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	107	Resp:	78367
Ion	Ratio	Lower	Upper
107	100		
109	91.5	65.4	121.4
188	3.3	2.8	4.2



#51

Chlorobenzene

Concen: 50.400 ug/L

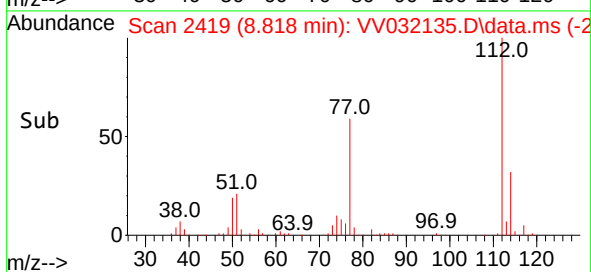
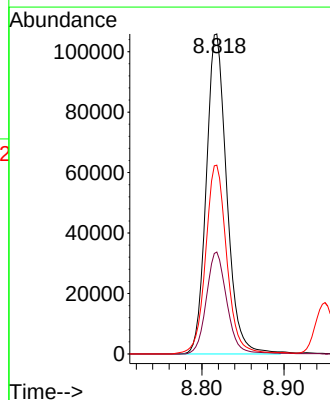
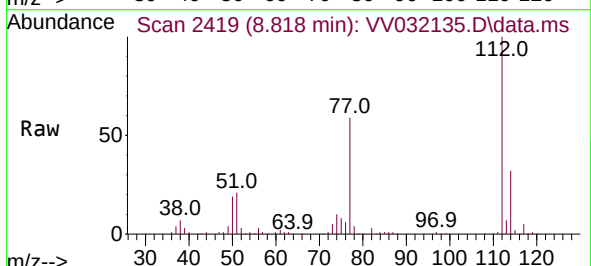
RT: 8.818 min Scan# 2419

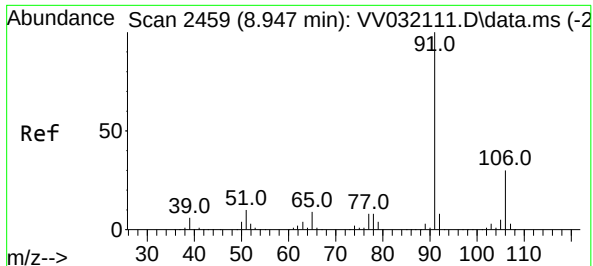
Delta R.T. 0.003 min

Lab File: VV032135.D

Acq: 15 Sep 2023 20:53

Tgt Ion:	112	Resp:	183585
Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.0	40.8
77	59.0	49.4	74.0

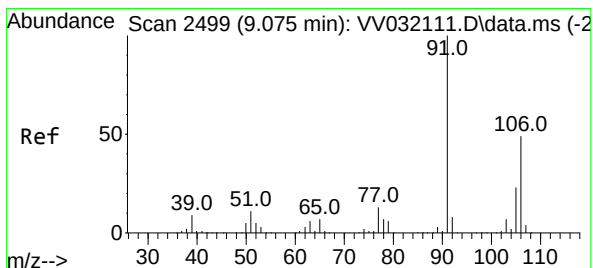
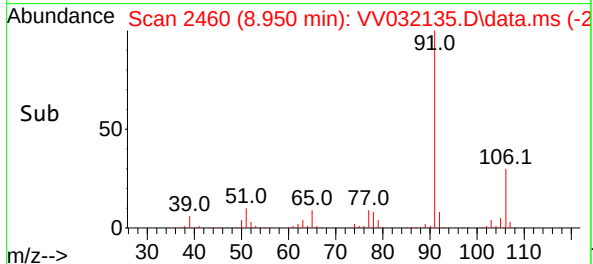
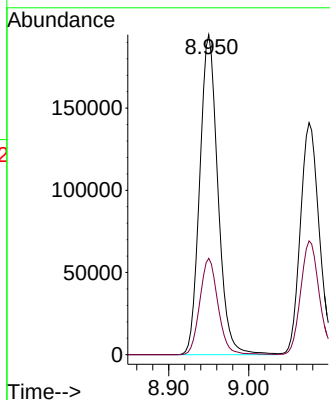
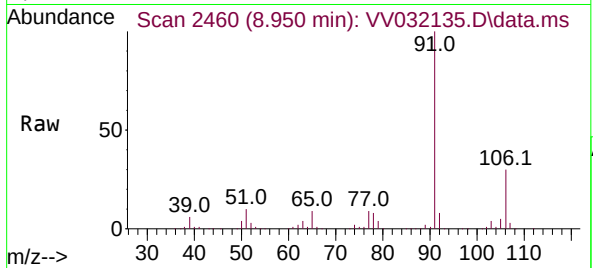




#52
Ethylbenzene
Concen: 47.507 ug/L
RT: 8.950 min Scan# 2459
Delta R.T. 0.003 min
Lab File: VV032135.D
Acq: 15 Sep 2023 20:53

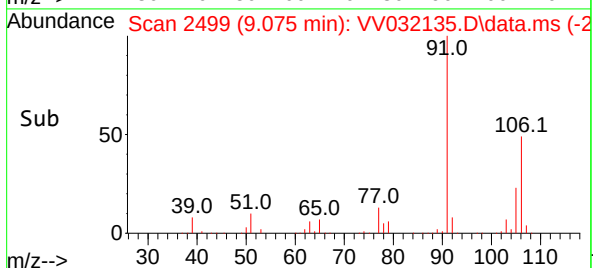
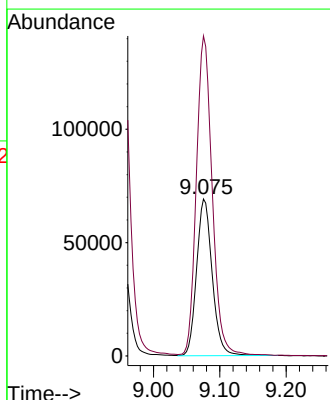
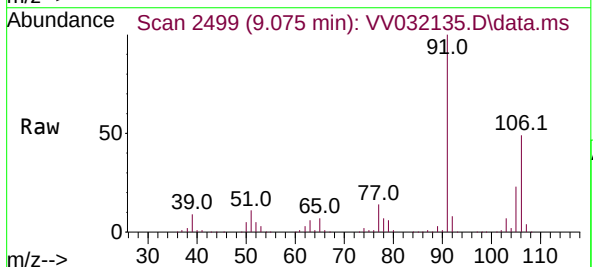
Instrument :
MSVOA_V
ClientSampleId :

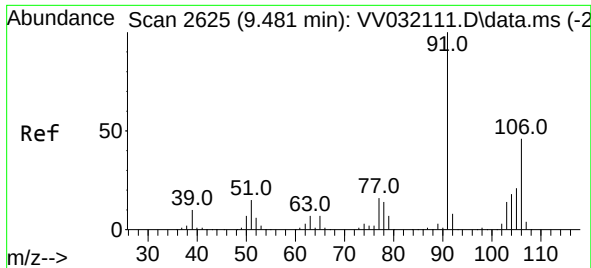
Tgt Ion: 91 Resp: 308484
Ion Ratio Lower Upper
91 100
106 30.1 21.5 39.9



#53
m,p-Xylene
Concen: 46.870 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. -0.000 min
Lab File: VV032135.D
Acq: 15 Sep 2023 20:53

Tgt Ion:106 Resp: 113004
Ion Ratio Lower Upper
106 100
91 204.0 147.0 273.0

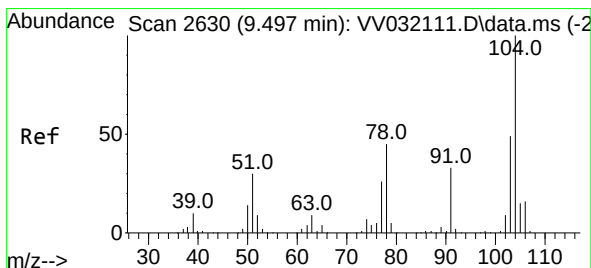
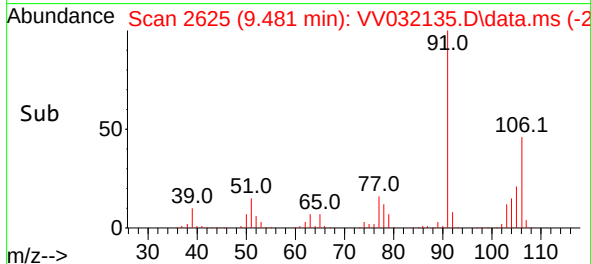
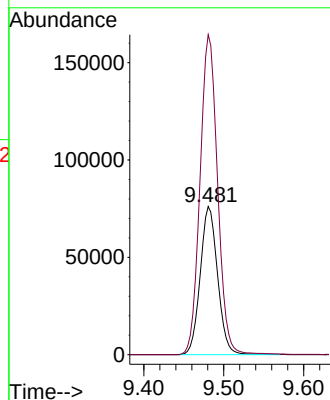
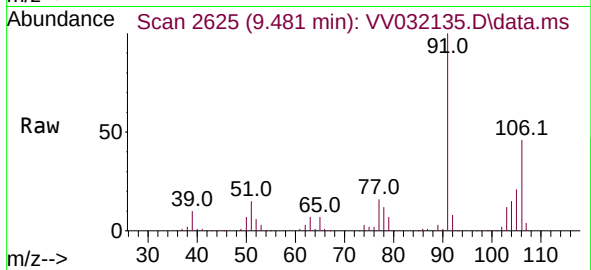




#54
o-Xylene
Concen: 48.091 ug/L
RT: 9.481 min Scan# 2625
Delta R.T. -0.000 min
Lab File: VV032135.D
Acq: 15 Sep 2023 20:53

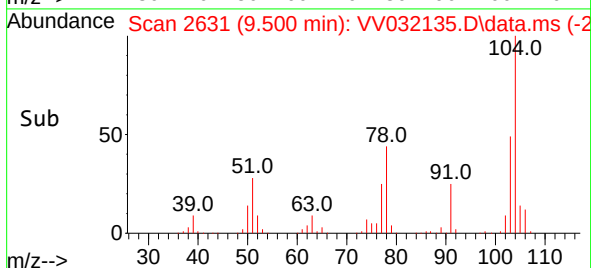
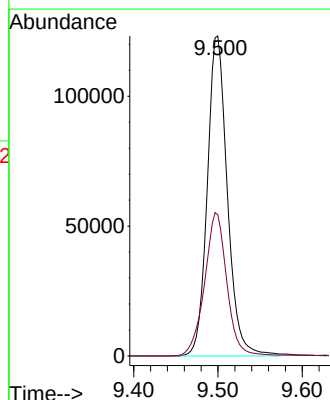
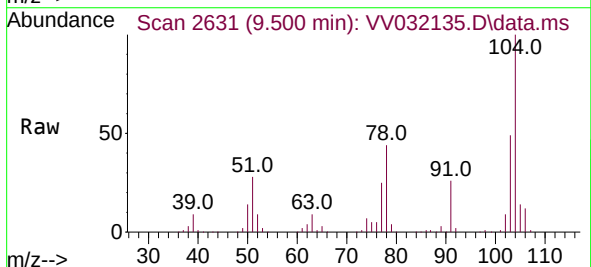
Instrument :
MSVOA_V
ClientSampleId :

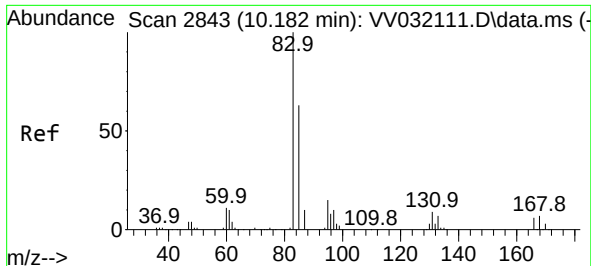
Tgt Ion:106 Resp: 115319
Ion Ratio Lower Upper
106 100
91 216.0 154.3 286.5



#55
Styrene
Concen: 48.225 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.003 min
Lab File: VV032135.D
Acq: 15 Sep 2023 20:53

Tgt Ion:104 Resp: 204431
Ion Ratio Lower Upper
104 100
78 44.1 32.3 59.9





#57

1,1,2,2-Tetrachloroethane

Concen: 62.944 ug/L

RT: 10.181 min Scan# 2843

Delta R.T. -0.000 min

Lab File: VV032135.D

Acq: 15 Sep 2023 20:53

Instrument :

MSVOA_V

ClientSampleId :

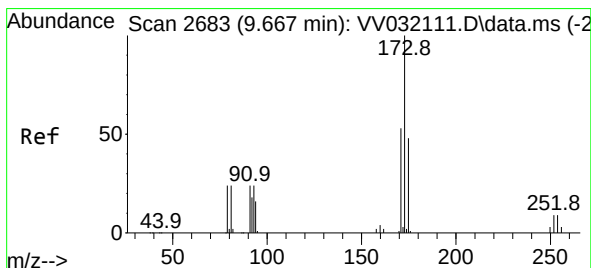
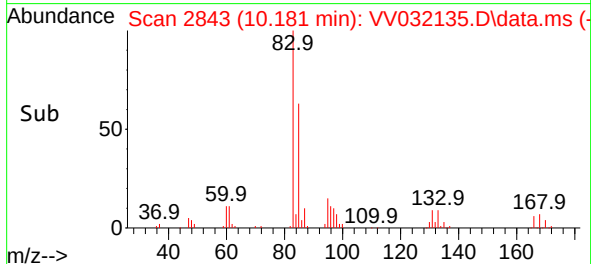
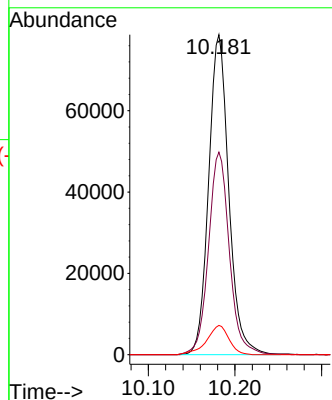
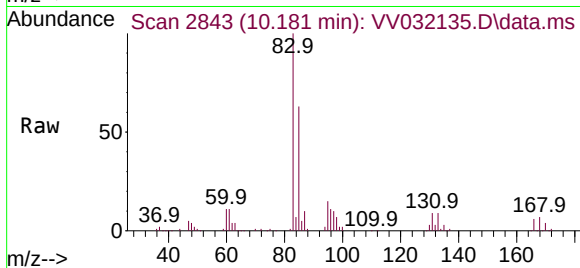
Tgt Ion: 83 Resp: 127157

Ion Ratio Lower Upper

83 100

85 63.3 45.1 83.9

131 9.1 7.4 11.2



#59

Bromoform

Concen: 49.817 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. 0.003 min

Lab File: VV032135.D

Acq: 15 Sep 2023 20:53

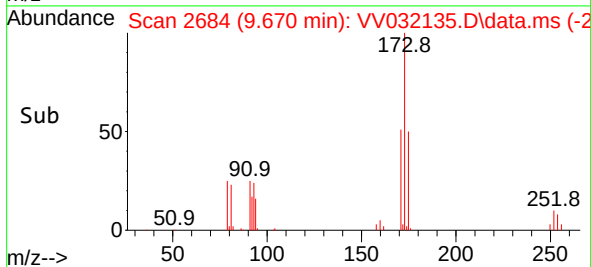
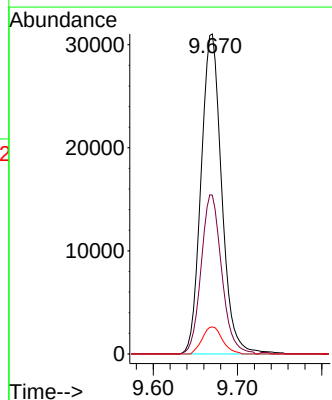
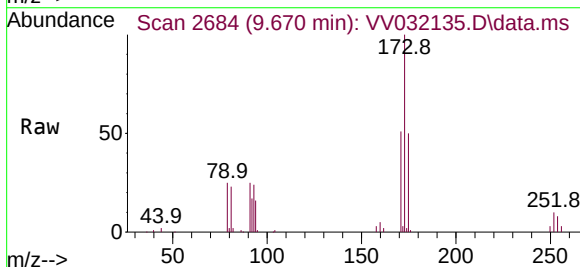
Tgt Ion: 173 Resp: 52890

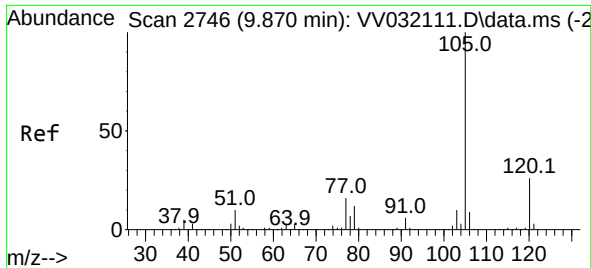
Ion Ratio Lower Upper

173 100

175 49.6 38.3 57.5

254 8.3 6.9 10.3

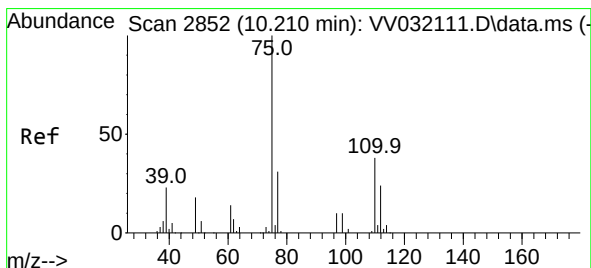
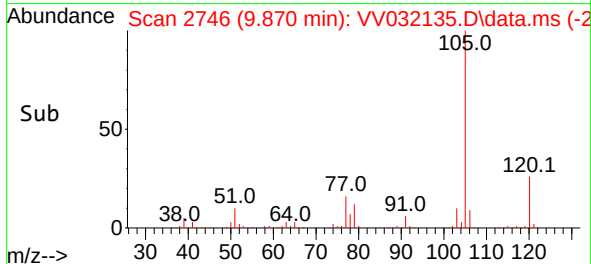
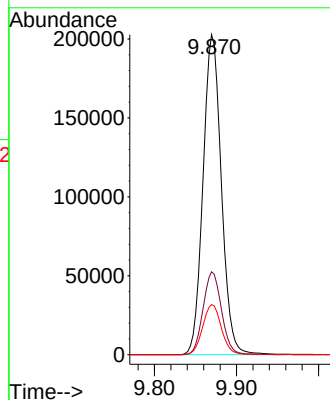
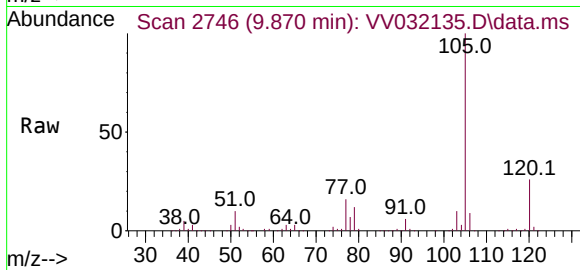




#60
Isopropylbenzene
Concen: 45.992 ug/L
RT: 9.870 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV032135.D
Acq: 15 Sep 2023 20:53

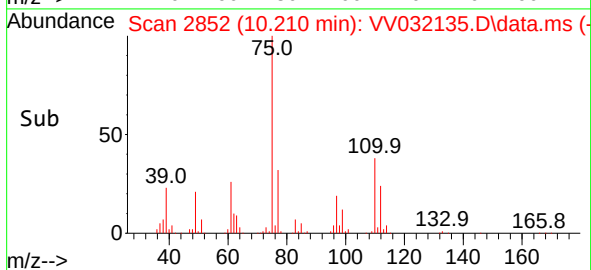
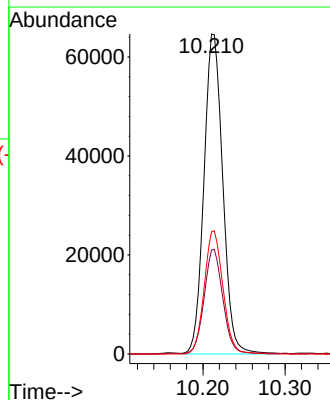
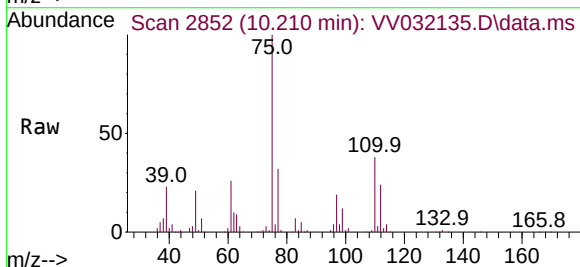
Instrument :
MSVOA_V
ClientSampleId :

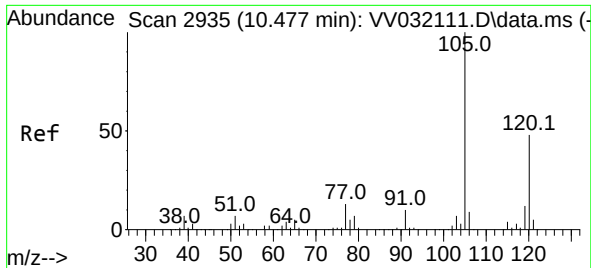
Tgt Ion:105 Resp: 315388
Ion Ratio Lower Upper
105 100
120 26.0 20.6 31.0
77 16.0 12.8 19.2



#61
1,2,3-Trichloropropane
Concen: 53.311 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. -0.000 min
Lab File: VV032135.D
Acq: 15 Sep 2023 20:53

Tgt Ion: 75 Resp: 103120
Ion Ratio Lower Upper
75 100
77 32.1 25.7 38.5
110 38.2 30.3 45.5

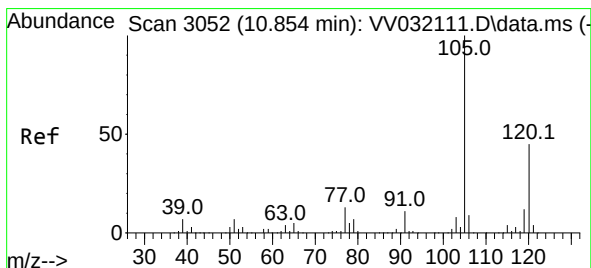
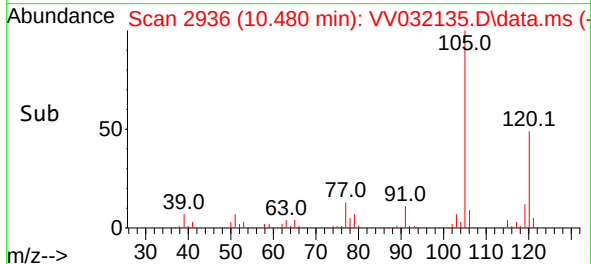
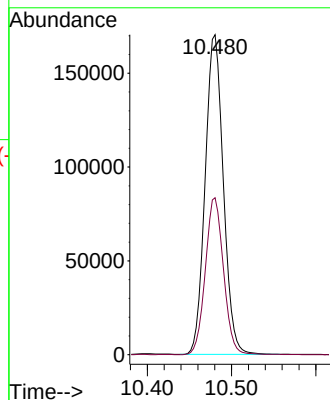
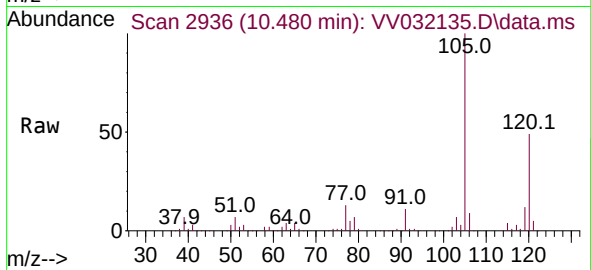




#62
 1,3,5-Trimethylbenzene
 Concen: 44.471 ug/L
 RT: 10.480 min Scan# 2935
 Delta R.T. 0.003 min
 Lab File: VV032135.D
 Acq: 15 Sep 2023 20:53

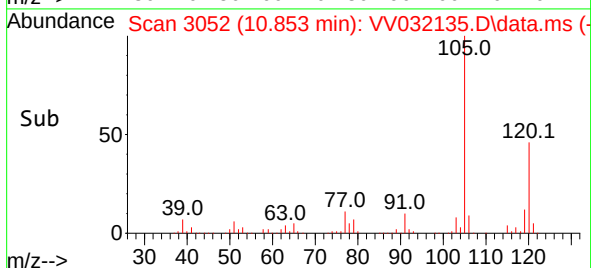
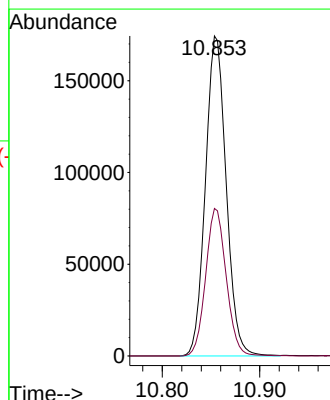
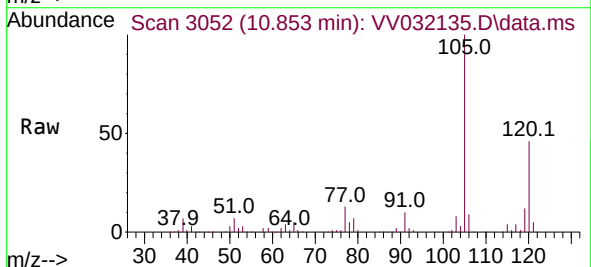
Instrument :
 MSVOA_V
 ClientSampleId :

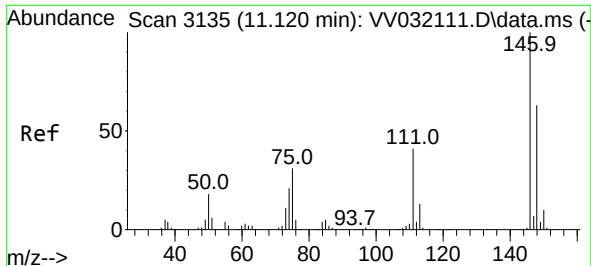
Tgt Ion:105 Resp: 256561
 Ion Ratio Lower Upper
 105 100
 120 49.0 38.2 57.4



#63
 1,2,4-Trimethylbenzene
 Concen: 44.417 ug/L
 RT: 10.853 min Scan# 3052
 Delta R.T. -0.000 min
 Lab File: VV032135.D
 Acq: 15 Sep 2023 20:53

Tgt Ion:105 Resp: 257778
 Ion Ratio Lower Upper
 105 100
 120 45.7 35.9 53.9

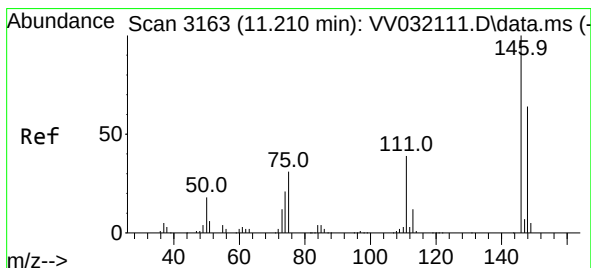
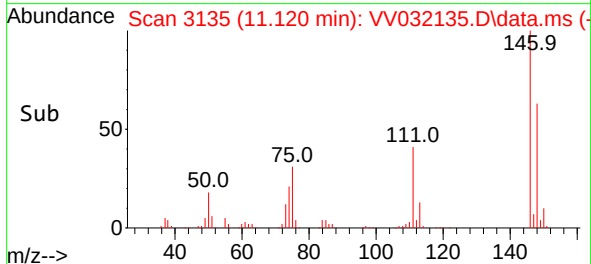
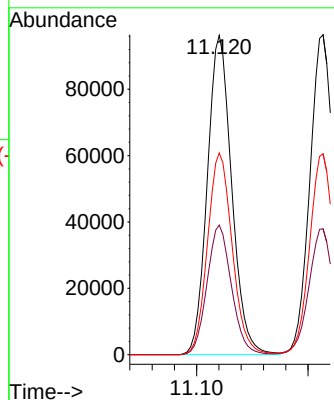
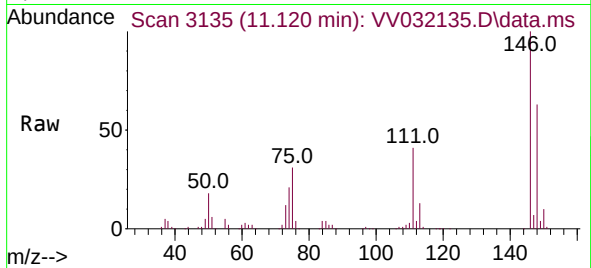




#64
1,3-Dichlorobenzene
Concen: 47.695 ug/L
RT: 11.120 min Scan# 3135
Delta R.T. -0.000 min
Lab File: VV032135.D
Acq: 15 Sep 2023 20:53

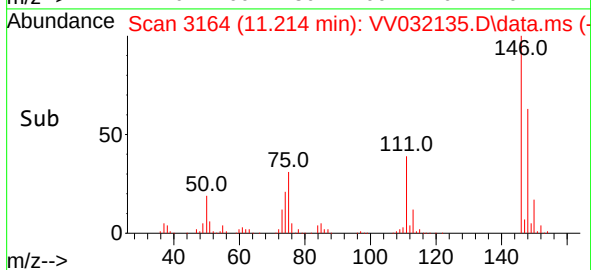
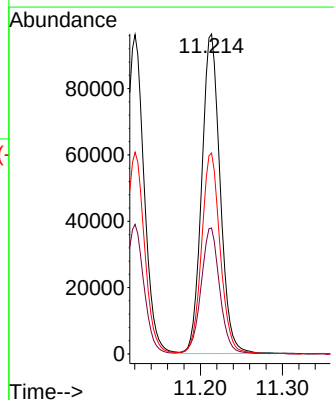
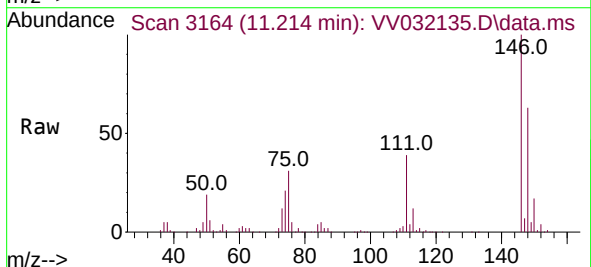
Instrument :
MSVOA_V
ClientSampleId :

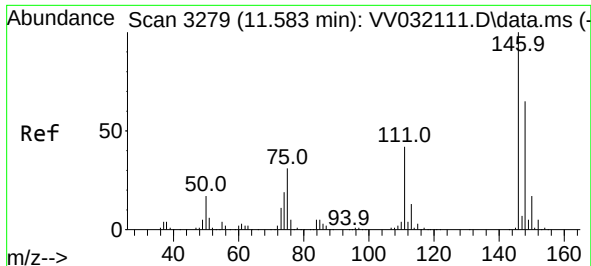
Tgt Ion:146 Resp: 146581
Ion Ratio Lower Upper
146 100
111 40.6 30.2 56.0
148 63.2 44.1 81.9



#65
1,4-Dichlorobenzene
Concen: 47.857 ug/L
RT: 11.214 min Scan# 3164
Delta R.T. 0.003 min
Lab File: VV032135.D
Acq: 15 Sep 2023 20:53

Tgt Ion:146 Resp: 149554
Ion Ratio Lower Upper
146 100
111 39.4 28.5 52.9
148 62.8 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 50.010 ug/L

RT: 11.583 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV032135.D

Acq: 15 Sep 2023 20:53

Instrument :

MSVOA_V

ClientSampleId :

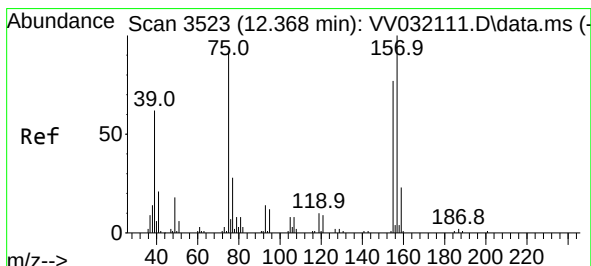
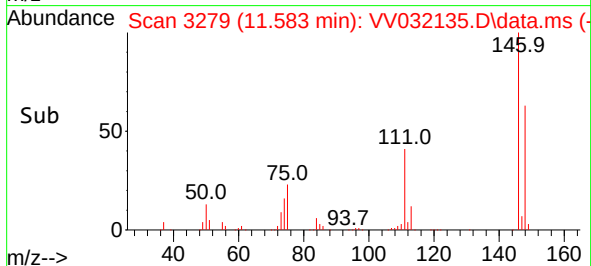
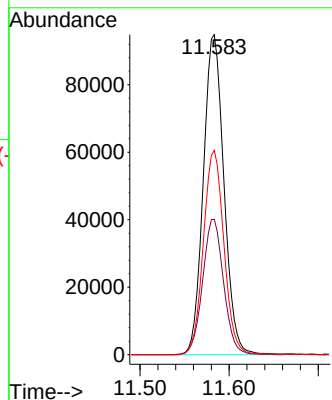
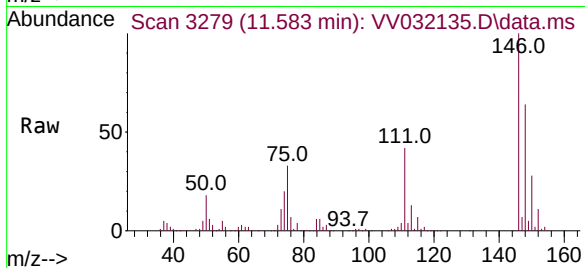
Tgt Ion:146 Resp: 152297

Ion Ratio Lower Upper

146 100

111 42.3 35.8 53.6

148 63.8 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 45.359 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. -0.000 min

Lab File: VV032135.D

Acq: 15 Sep 2023 20:53

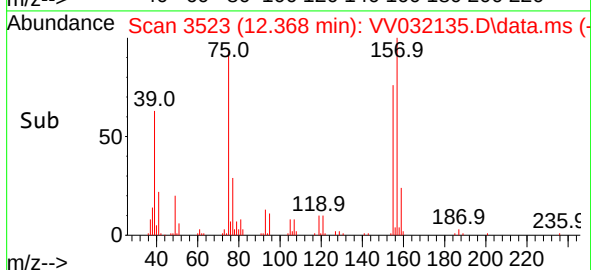
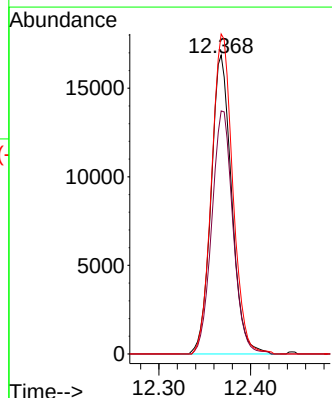
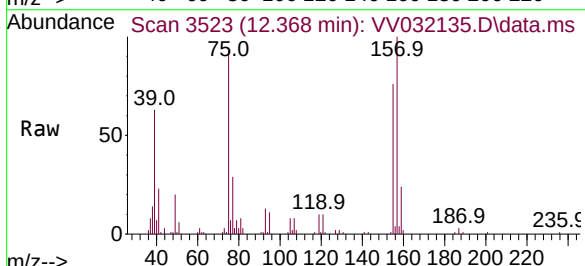
Tgt Ion: 75 Resp: 26354

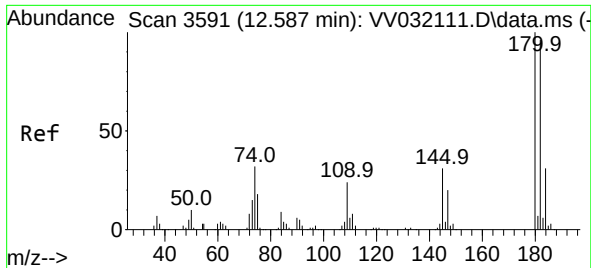
Ion Ratio Lower Upper

75 100

155 81.3 60.1 90.1

157 107.1 77.3 115.9





#69

1,3,5-Trichlorobenzene

Concen: 46.828 ug/L

RT: 12.586 min Scan# 3591

Delta R.T. -0.000 min

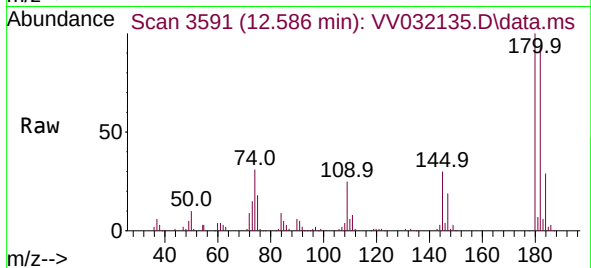
Lab File: VV032135.D

Acq: 15 Sep 2023 20:53

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 104915

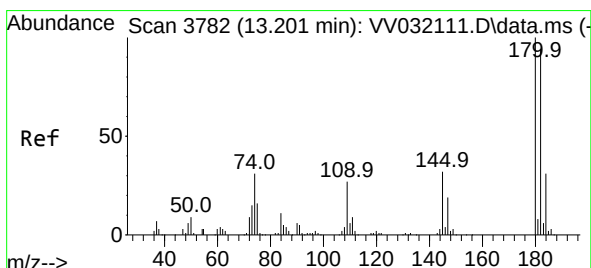
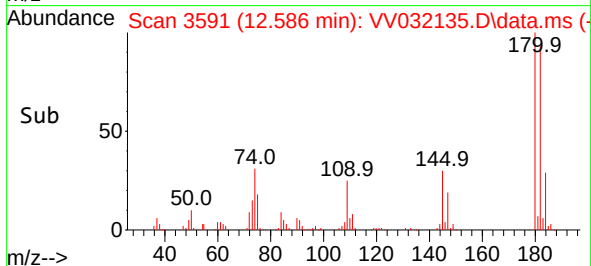
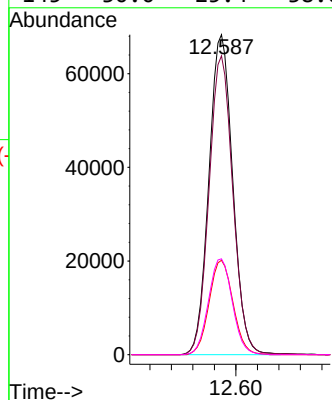
Ion Ratio Lower Upper

180 100

182 93.7 75.4 113.2

184 29.6 23.7 35.5

145 30.0 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 45.011 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. -0.000 min

Lab File: VV032135.D

Acq: 15 Sep 2023 20:53

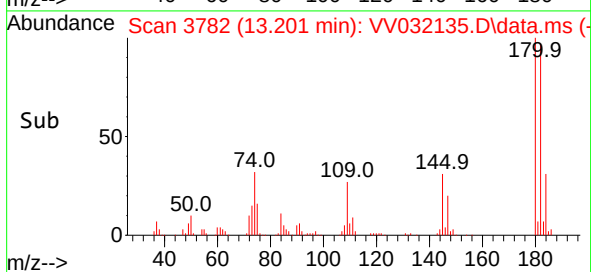
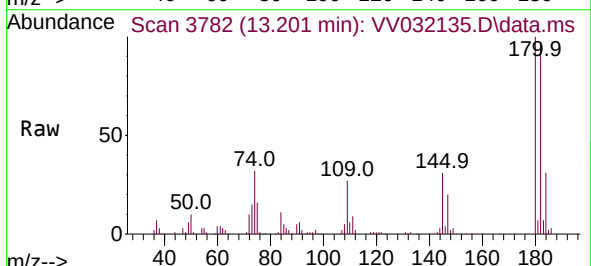
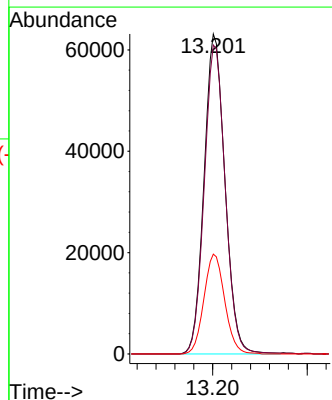
Tgt Ion:180 Resp: 96798

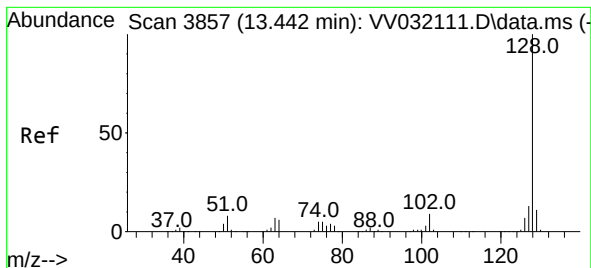
Ion Ratio Lower Upper

180 100

182 97.0 75.4 113.2

145 31.0 26.0 39.0





#71

Naphthalene

Concen: 47.767 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. -0.000 min

Lab File: VV032135.D

Acq: 15 Sep 2023 20:53

Instrument :

MSVOA_V

ClientSampleId :

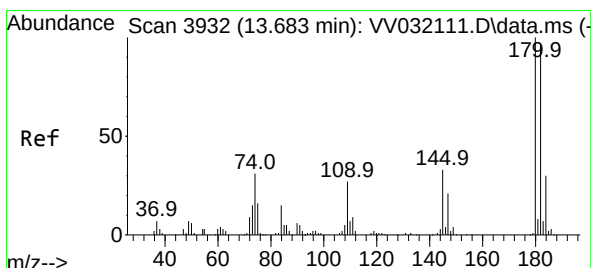
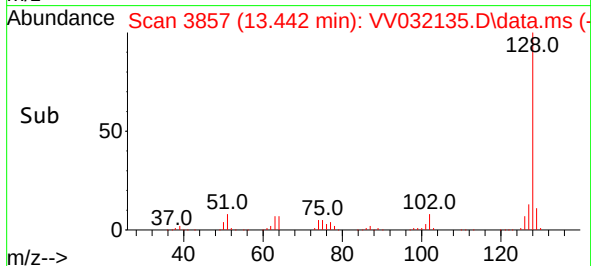
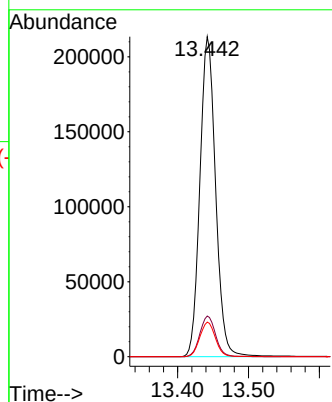
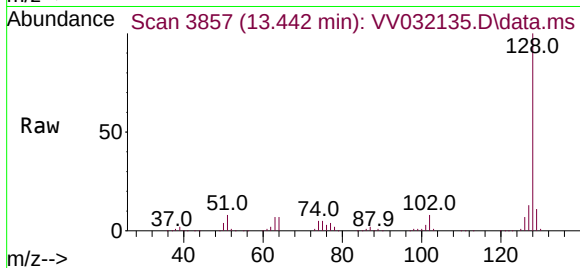
Tgt Ion:128 Resp: 328201

Ion Ratio Lower Upper

128 100

127 12.7 10.4 15.6

129 10.7 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 49.493 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. -0.000 min

Lab File: VV032135.D

Acq: 15 Sep 2023 20:53

Tgt Ion:180 Resp: 101990

Ion Ratio Lower Upper

180 100

182 95.2 76.7 115.1

145 33.2 27.7 41.5

