

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW110123\
 Data File : VW032817.D
 Acq On : 01 Nov 2023 09:23
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 02 01:06:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM103123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 01 05:44:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	351806	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	392883	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	226750	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	146011	43.636	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.280%
7) Chloroethane-d5	1.532	69	127828	45.677	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.360%
11) 1,1-Dichloroethene-d2	2.059	65	60690	43.911	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.820%
21) 2-Butanone-d5	3.783	46	134071	92.374	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.370%
24) Chloroform-d	4.249	84	251312	47.053	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.100%
26) 1,2-Dichloroethane-d4	4.940	65	157354	47.403	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.800%
32) Benzene-d6	4.960	84	485801	48.091	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.180%
36) 1,2-Dichloropropane-d6	5.989	67	139791	45.550	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.100%
41) Toluene-d8	7.243	98	497187	49.986	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.980%
43) trans-1,3-Dichloroprop...	7.551	79	76147	47.642	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.280%
47) 2-Hexanone-d5	8.024	63	102289	91.298	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.300%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	213574	45.860	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.720%
66) 1,2-Dichlorobenzene-d4	11.561	152	200696	45.930	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.860%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	148202	47.876	ug/L	99
3) Chloromethane	1.217	50	136983	45.741	ug/L	98
5) Vinyl chloride	1.285	62	147965	46.336	ug/L	99
6) Bromomethane	1.484	94	99440	44.628	ug/L	93
8) Chloroethane	1.548	64	102753	47.798	ug/L	97
9) Trichlorofluoromethane	1.712	101	239331	47.029	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	148026	48.074	ug/L	99
12) 1,1-Dichloroethene	2.069	96	121769	46.278	ug/L	97
13) Acetone	2.111	43	165443	68.100	ug/L	100
14) Carbon disulfide	2.243	76	305407	48.622	ug/L	99
15) Methyl Acetate	2.371	43	112257	45.573	ug/L	98
16) Methylene chloride	2.445	84	145333	41.640	ug/L	100
17) trans-1,2-Dichloroethene	2.696	96	118156	47.047	ug/L	95
18) Methyl tert-butyl Ether	2.703	73	364846	49.192	ug/L	99
19) 1,1-Dichloroethane	3.114	63	222714	46.534	ug/L	98
20) cis-1,2-Dichloroethene	3.815	96	131279	47.331	ug/L	99
22) 2-Butanone	3.863	43	169947	82.488	ug/L	94
23) Bromochloromethane	4.146	128	75152	48.545	ug/L	98
25) Chloroform	4.275	83	257896	47.277	ug/L	99

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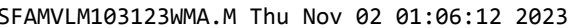
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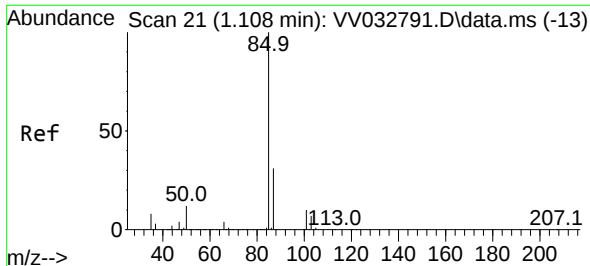
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 Quant Title : VOC Analysis
 QLast Update : Wed Nov 01 05:44:49 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	195682	49.776	ug/L	98
29) Cyclohexane	4.583	56	168684	47.773	ug/L #	91
30) 1,1,1-Trichloroethane	4.513	97	222571	47.284	ug/L	99
31) Carbon tetrachloride	4.735	117	197234	47.418	ug/L	97
33) Benzene	5.011	78	520326	49.946	ug/L	100
34) Trichloroethene	5.831	95	137760	47.503	ug/L	97
35) Methylcyclohexane	6.053	83	223759	49.310	ug/L	99
37) 1,2-Dichloropropane	6.091	63	125259	45.295	ug/L	100
38) Bromodichloromethane	6.432	83	202214	46.610	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	215061	51.838	ug/L	97
40) 4-Methyl-2-pentanone	7.156	43	323824	98.808	ug/L	100
42) Toluene	7.317	91	615461	51.876	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	217370	51.010	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	154948	48.850	ug/L	98
46) Tetrachloroethene	7.905	164	122704	46.893	ug/L	98
48) 2-Hexanone	8.075	43	257371	87.527	ug/L	98
49) Dibromochloromethane	8.178	129	158763	47.875	ug/L	100
50) 1,2-Dibromoethane	8.281	107	159283	49.291	ug/L	100
51) Chlorobenzene	8.815	112	406890	48.444	ug/L	99
52) Ethylbenzene	8.947	91	672389	51.377	ug/L	99
53) m,p-Xylene	9.072	106	259643	52.128	ug/L	98
54) o-Xylene	9.480	106	246643	51.114	ug/L	98
55) Styrene	9.496	104	461612	54.894	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.178	83	221193	46.561	ug/L	100
59) Bromoform	9.664	173	114432	45.011	ug/L	100
60) Isopropylbenzene	9.869	105	693755	50.451	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	169594	44.778	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	555478	51.333	ug/L	99
63) 1,2,4-Trimethylbenzene	10.853	105	541838	52.345	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	350351	48.906	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	364088	48.167	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	351073	48.004	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.365	75	41745	42.350	ug/L	97
69) 1,3,5-Trichlorobenzene	12.583	180	251778	48.684	ug/L	100
70) 1,2,4-trichlorobenzene	13.201	180	216168	48.332	ug/L	99
71) Naphthalene	13.442	128	531796	47.614	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	224000	50.162	ug/L	100

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

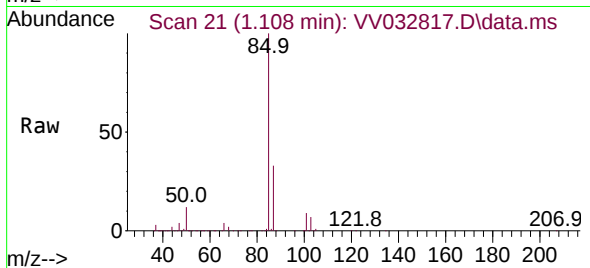
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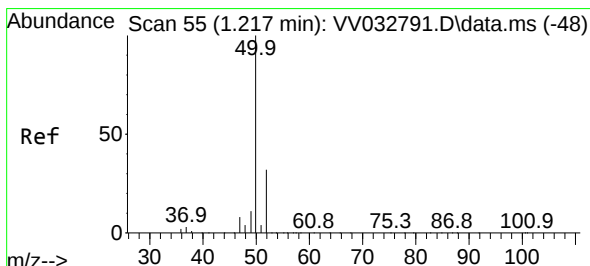
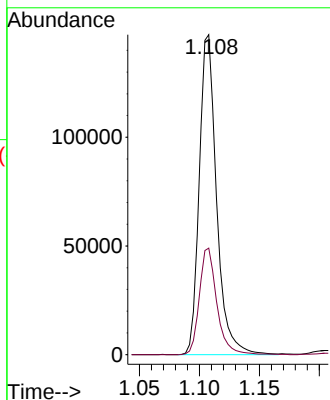
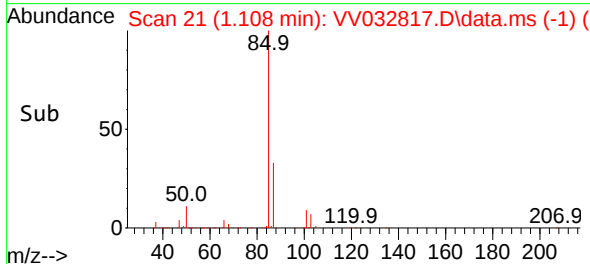


#2
Dichlorodifluoromethane
Concen: 47.876 ug/L
RT: 1.108 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV032817.D
Acq: 01 Nov 2023 09:23

Instrument :
MSVOA_V
ClientSampleId :

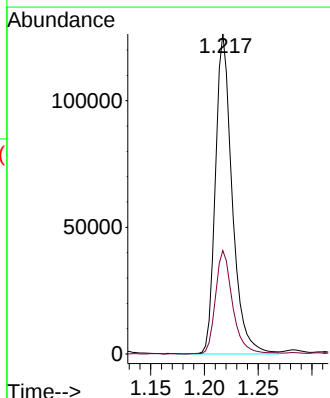
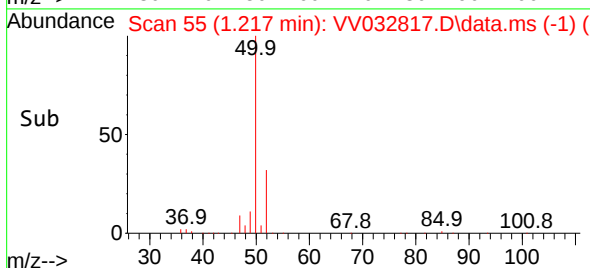
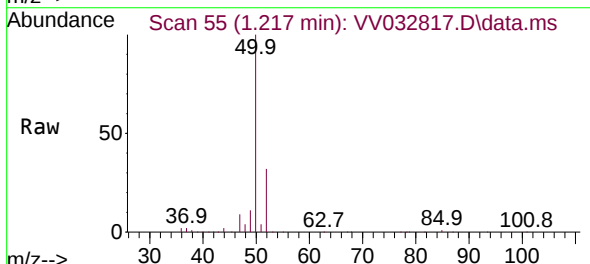


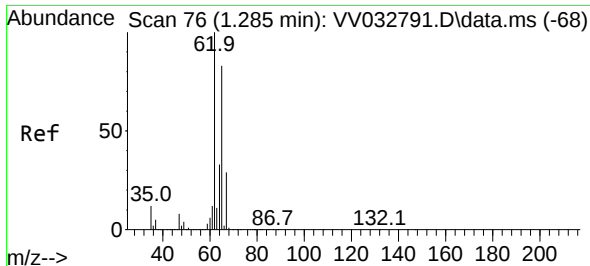
Tgt Ion: 85 Resp: 148202
Ion Ratio Lower Upper
85 100
87 33.6 26.2 39.4



#3
Chloromethane
Concen: 45.741 ug/L
RT: 1.217 min Scan# 55
Delta R.T. 0.000 min
Lab File: VV032817.D
Acq: 01 Nov 2023 09:23

Tgt Ion: 50 Resp: 136983
Ion Ratio Lower Upper
50 100
52 32.3 23.5 43.7

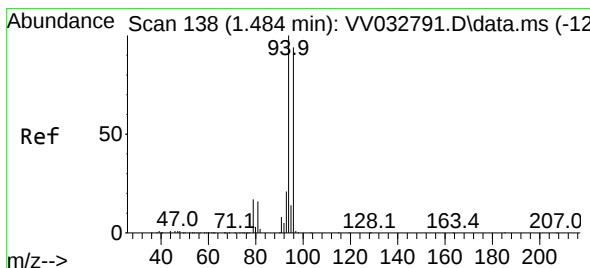
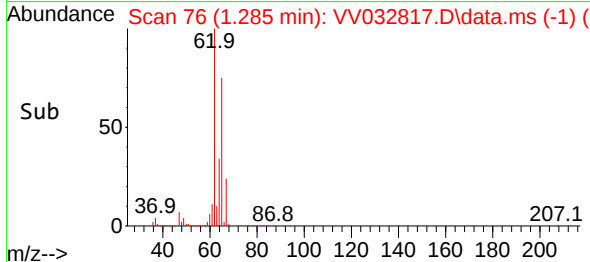
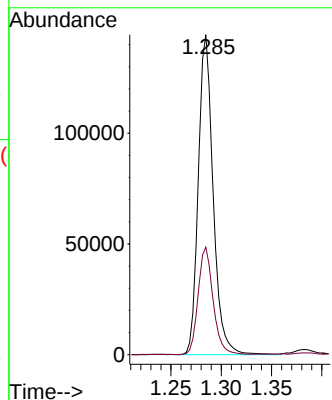
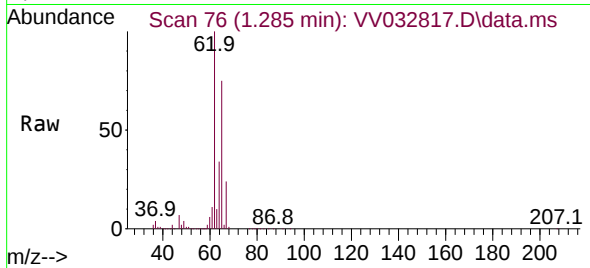




#5
 Vinyl chloride
 Concen: 46.336 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV032817.D
 Acq: 01 Nov 2023 09:23

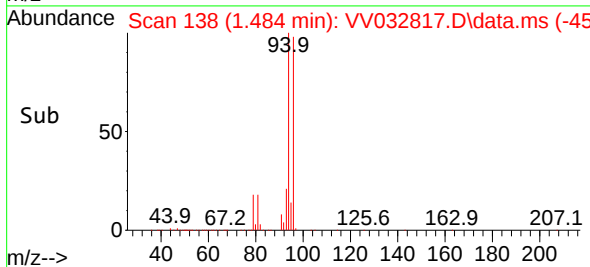
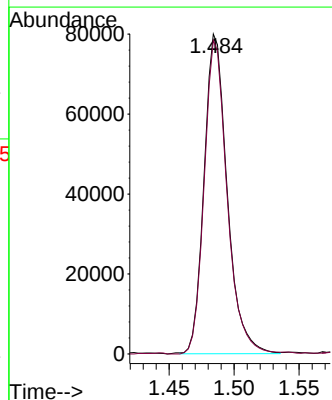
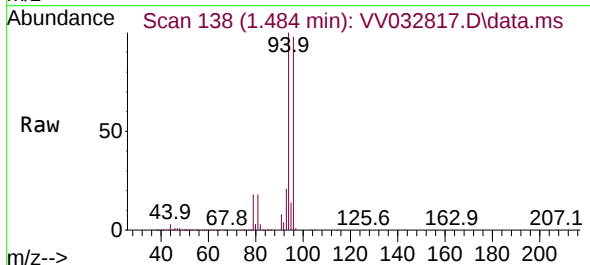
Instrument :
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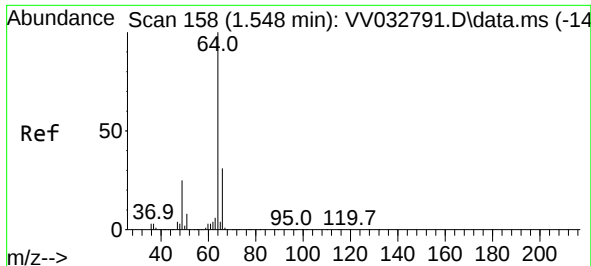
Tgt Ion: 62 Resp: 147965
 Ion Ratio Lower Upper
 62 100
 64 33.6 23.2 43.0



#6
 Bromomethane
 Concen: 44.628 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. 0.000 min
 Lab File: VV032817.D
 Acq: 01 Nov 2023 09:23

Tgt Ion: 94 Resp: 99440
 Ion Ratio Lower Upper
 94 100
 96 98.0 64.2 119.2

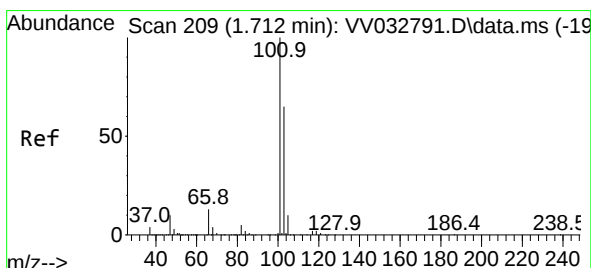
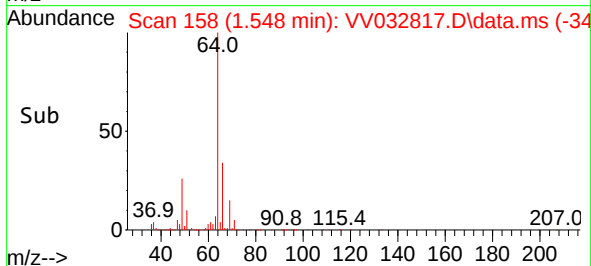
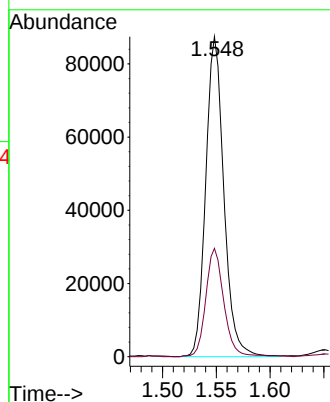
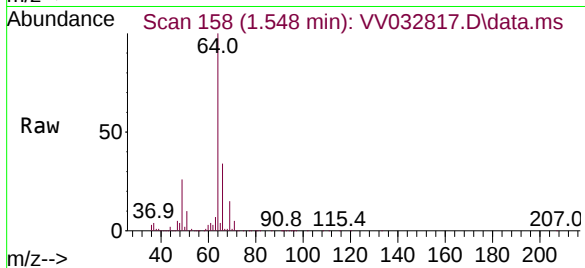




#8
Chloroethane
Concen: 47.798 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV032817.D
Acq: 01 Nov 2023 09:23

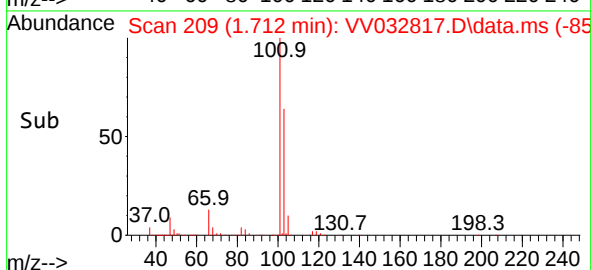
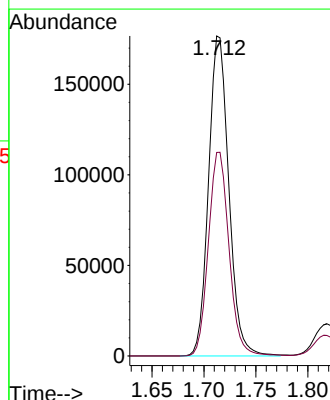
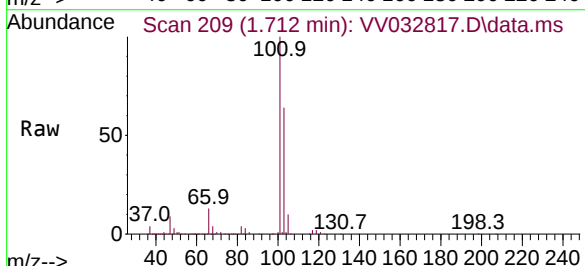
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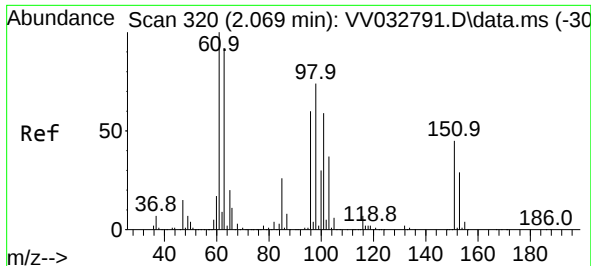
Tgt Ion: 64 Resp: 102753
Ion Ratio Lower Upper
64 100
66 33.8 22.5 41.9



#9
Trichlorofluoromethane
Concen: 47.029 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV032817.D
Acq: 01 Nov 2023 09:23

Tgt Ion:101 Resp: 239331
Ion Ratio Lower Upper
101 100
103 64.9 51.7 77.5

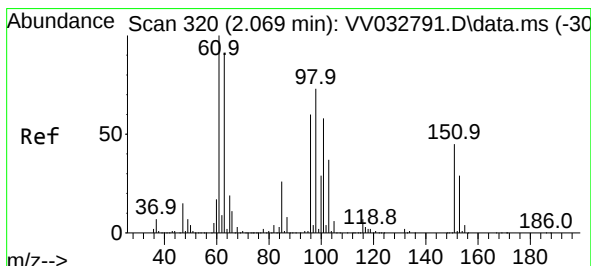
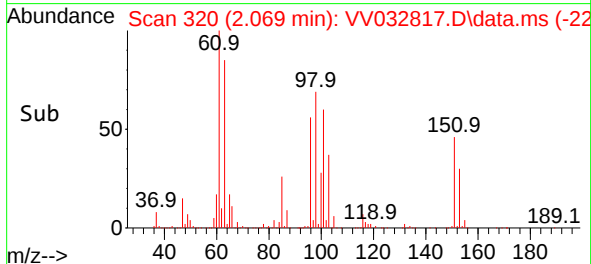
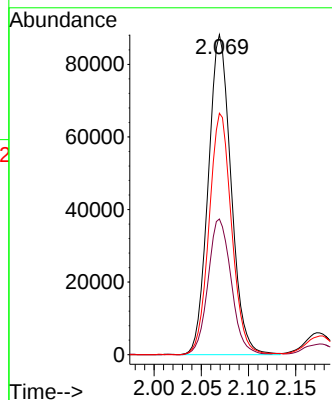
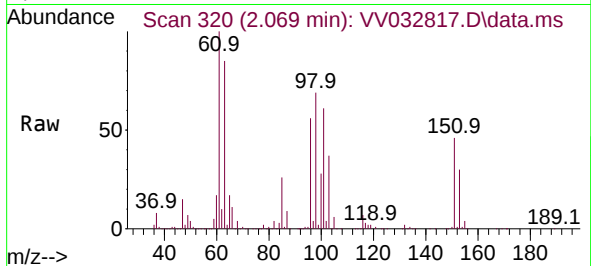




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 48.074 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV032817.D
 Acq: 01 Nov 2023 09:23

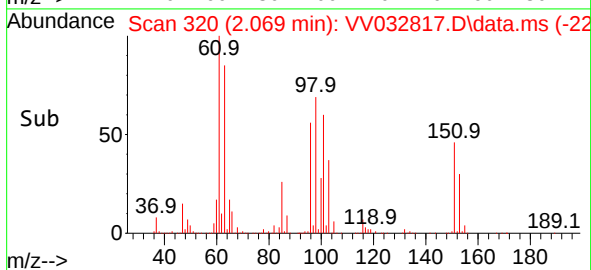
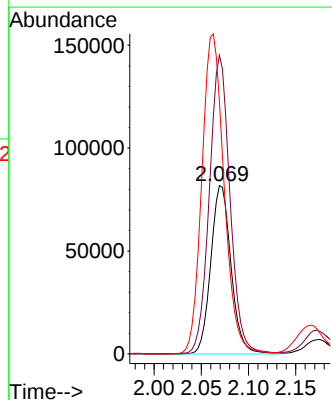
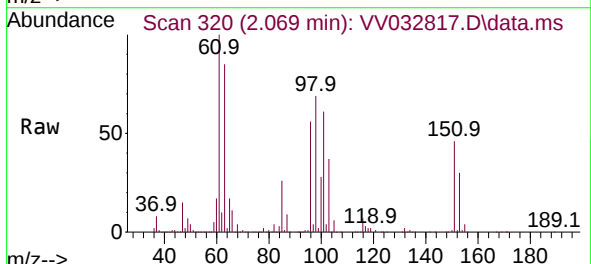
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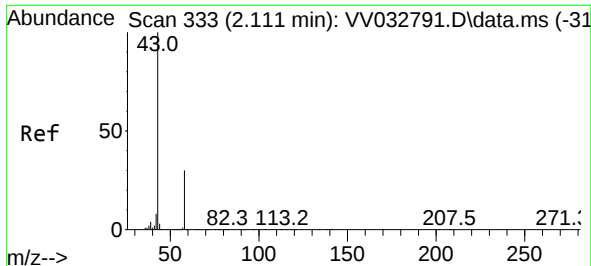
Tgt Ion:101 Resp: 148026
 Ion Ratio Lower Upper
 101 100
 85 43.0 35.6 53.4
 151 74.7 59.9 89.9



#12
 1,1-Dichloroethene
 Concen: 46.278 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. 0.000 min
 Lab File: VV032817.D
 Acq: 01 Nov 2023 09:23

Tgt Ion: 96 Resp: 121769
 Ion Ratio Lower Upper
 96 100
 61 177.4 124.2 230.6
 63 150.2 111.8 207.6





#13

Acetone

Concen: 68.100 ug/L

RT: 2.111 min Scan# 333

Delta R.T. 0.000 min

Lab File: VV032817.D

Acq: 01 Nov 2023 09:23

Instrument :

MSVOA_V

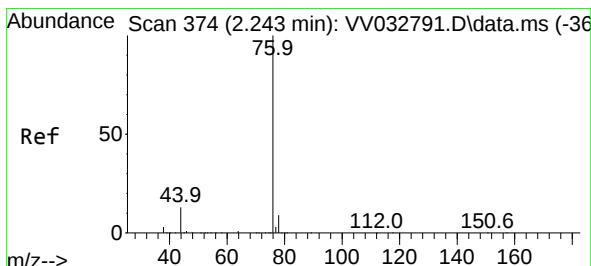
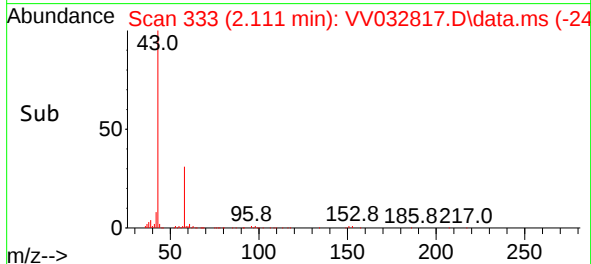
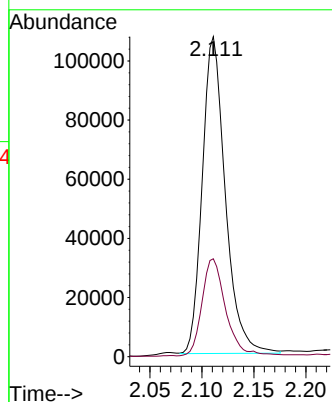
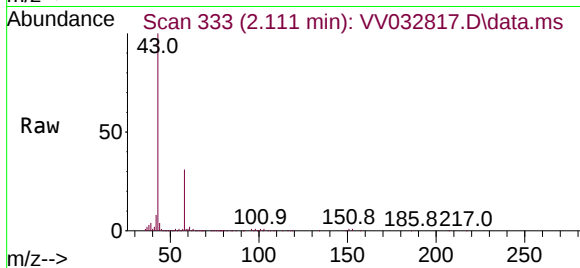
ClientSampleId :

Tgt Ion: 43 Resp: 165443

Ion Ratio Lower Upper

43 100

58 30.6 0.0 61.2



#14

Carbon disulfide

Concen: 48.622 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV032817.D

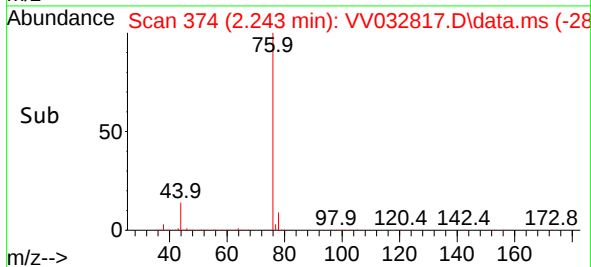
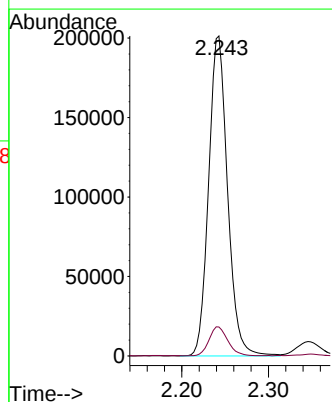
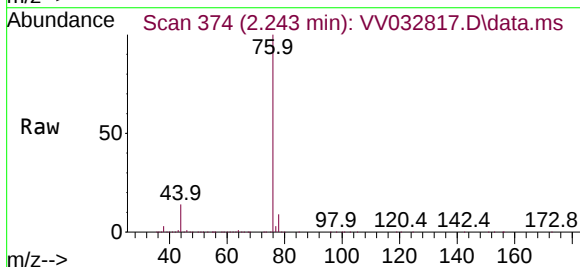
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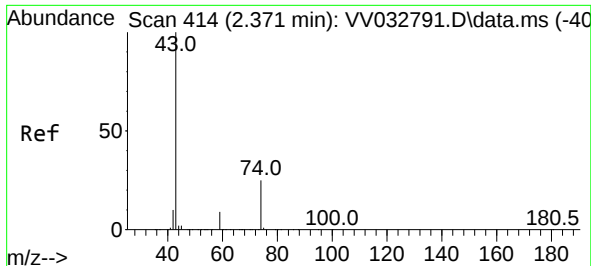
Tgt Ion: 76 Resp: 305407

Ion Ratio Lower Upper

76 100

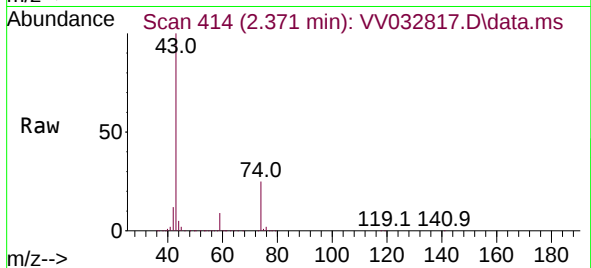
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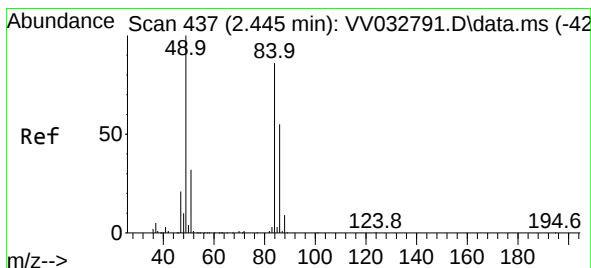
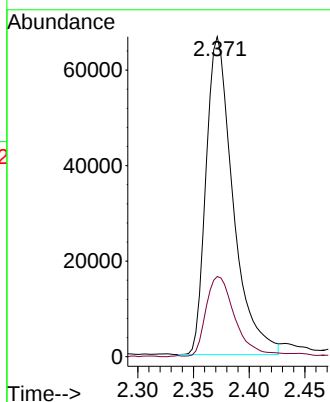
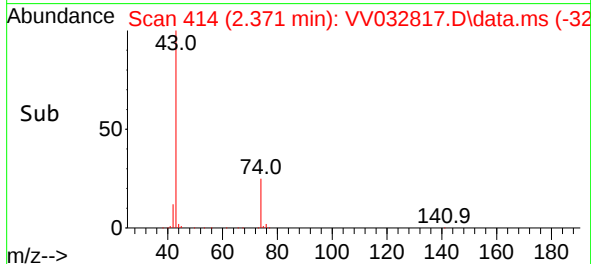


#15
Methyl Acetate
Concen: 45.573 ug/L
RT: 2.371 min Scan# 414
Delta R.T. 0.000 min
Lab File: VV032817.D
Acq: 01 Nov 2023 09:23

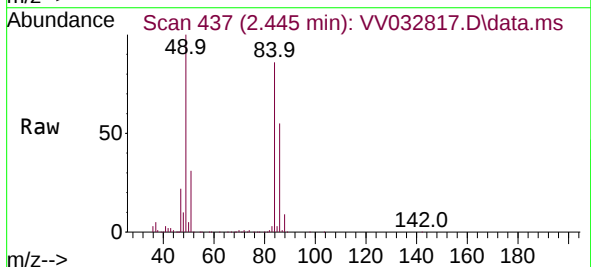
Instrument :
MSVOA_V
ClientSampleId :



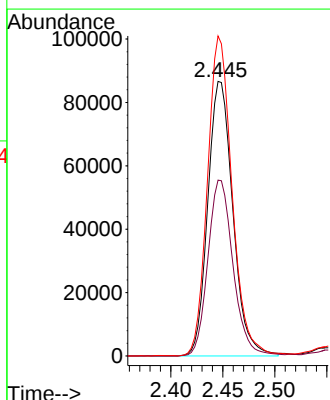
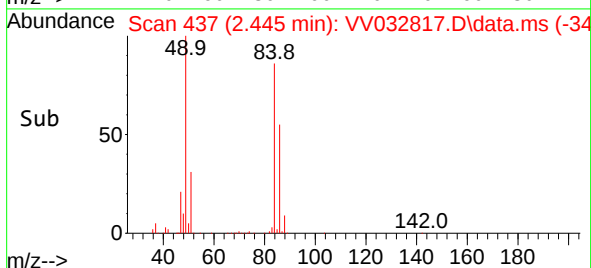
Tgt Ion: 43 Resp: 112257
Ion Ratio Lower Upper
43 100
74 26.9 20.6 30.8

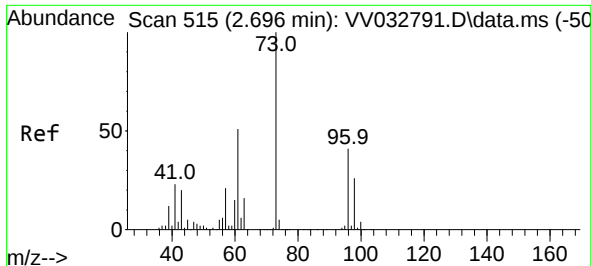


#16
Methylene chloride
Concen: 41.640 ug/L
RT: 2.445 min Scan# 437
Delta R.T. 0.000 min
Lab File: VV032817.D
Acq: 01 Nov 2023 09:23



Tgt Ion: 84 Resp: 145333
Ion Ratio Lower Upper
84 100
86 64.1 45.0 83.6
49 116.6 81.2 150.8

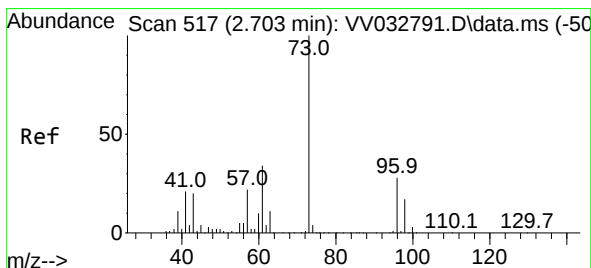
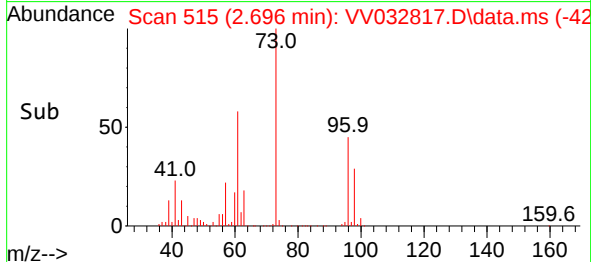
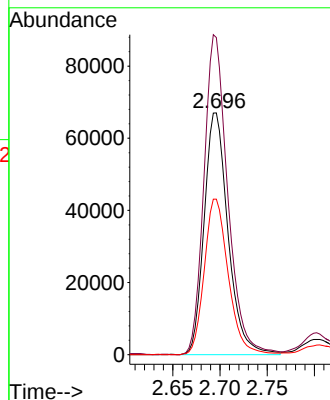
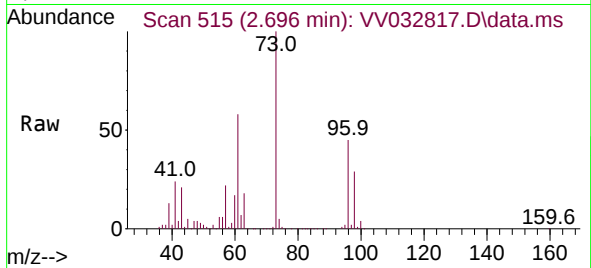




#17
trans-1,2-Dichloroethene
Concen: 47.047 ug/L
RT: 2.696 min Scan# 515
Delta R.T. 0.000 min
Lab File: VV032817.D
Acq: 01 Nov 2023 09:23

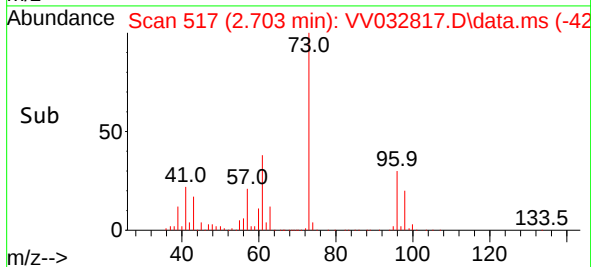
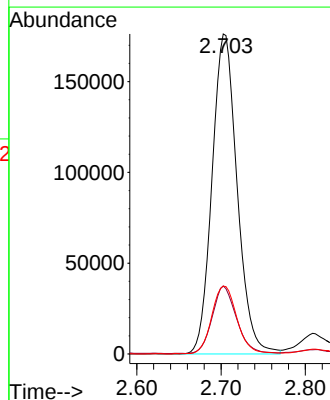
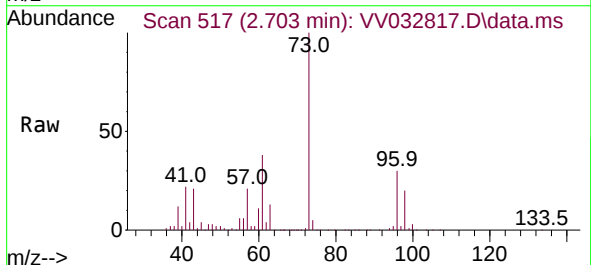
Instrument :
MSVOA_V
ClientSampleId :

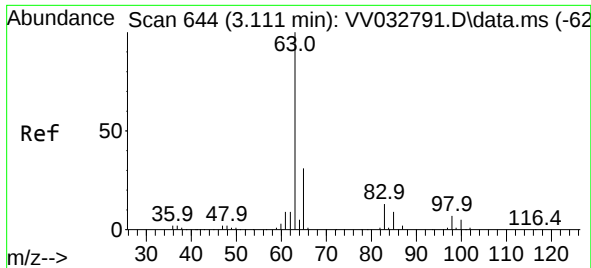
Tgt Ion: 96 Resp: 118156
Ion Ratio Lower Upper
96 100
61 131.2 86.9 161.3
98 64.4 42.9 79.7



#18
Methyl tert-butyl Ether
Concen: 49.192 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.000 min
Lab File: VV032817.D
Acq: 01 Nov 2023 09:23

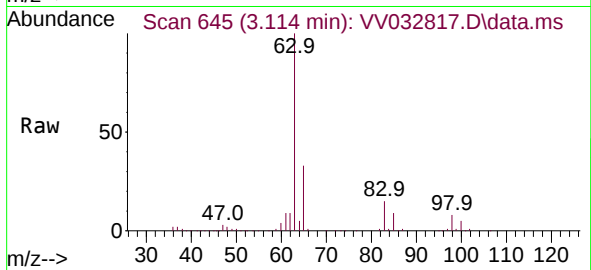
Tgt Ion: 73 Resp: 364846
Ion Ratio Lower Upper
73 100
43 20.2 16.1 24.1
57 21.1 17.4 26.0



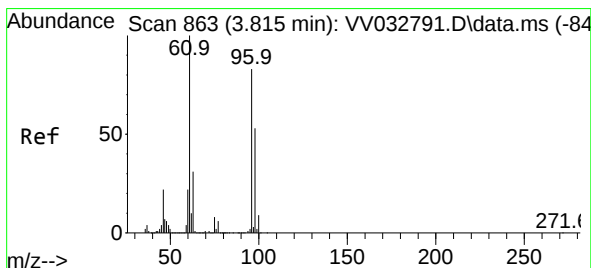
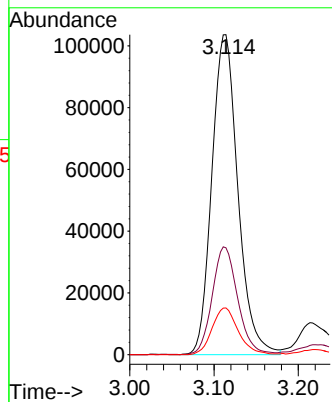
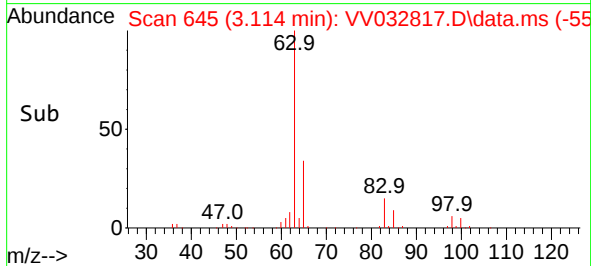


#19
1,1-Dichloroethane
Concen: 46.534 ug/L
RT: 3.114 min Scan# 644
Delta R.T. 0.003 min
Lab File: VV032817.D
Acq: 01 Nov 2023 09:23

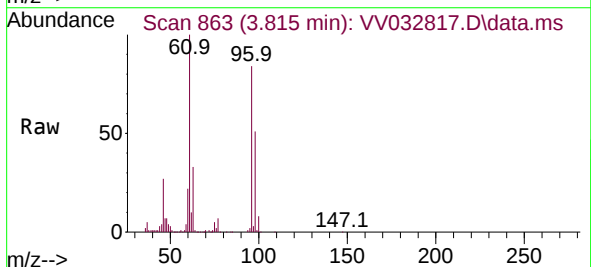
Instrument :
MSVOA_V
ClientSampleId :



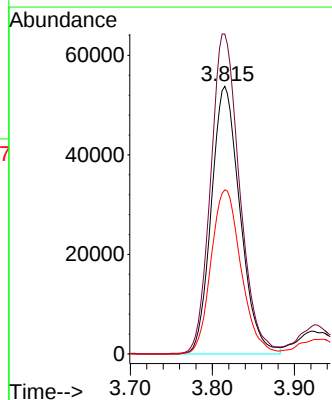
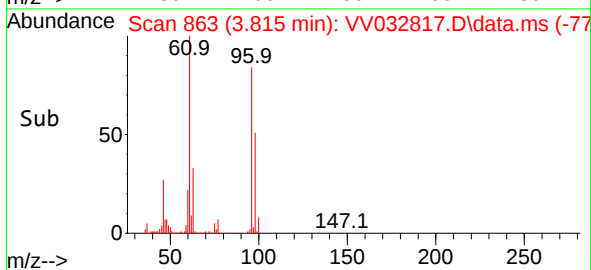
Tgt Ion: 63 Resp: 222714
Ion Ratio Lower Upper
63 100
65 33.4 22.3 41.5
83 14.6 10.1 18.7

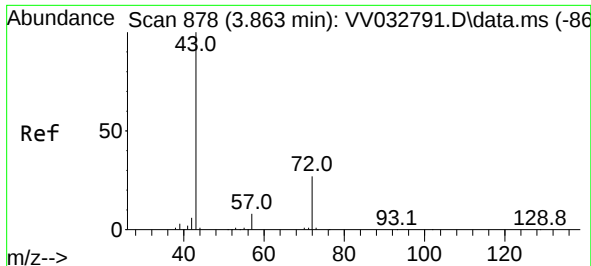


#20
cis-1,2-Dichloroethene
Concen: 47.331 ug/L
RT: 3.815 min Scan# 863
Delta R.T. 0.000 min
Lab File: VV032817.D
Acq: 01 Nov 2023 09:23



Tgt Ion: 96 Resp: 131279
Ion Ratio Lower Upper
96 100
61 119.5 83.3 154.7
98 61.3 44.2 82.2

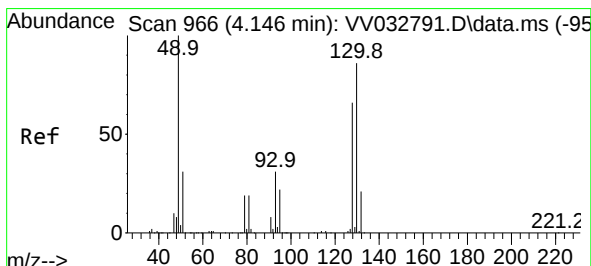
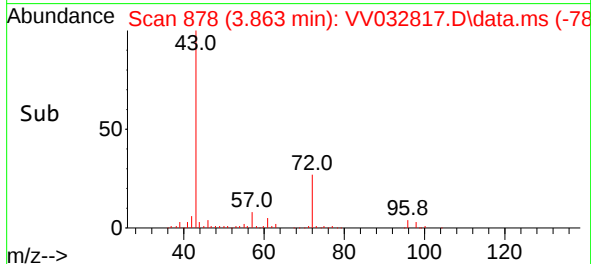
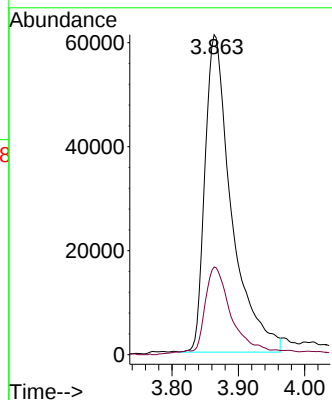
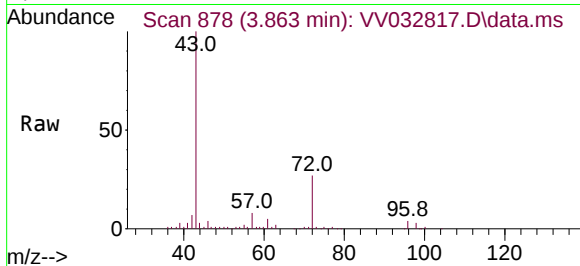




#22
2-Butanone
Concen: 82.488 ug/L
RT: 3.863 min Scan# 878
Delta R.T. 0.000 min
Lab File: VV032817.D
Acq: 01 Nov 2023 09:23

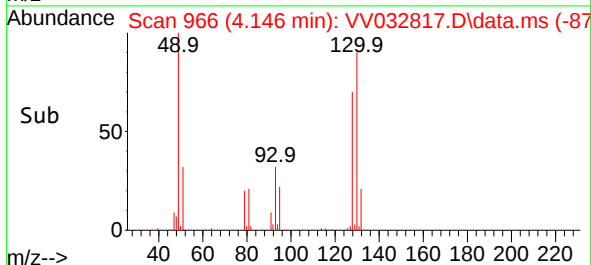
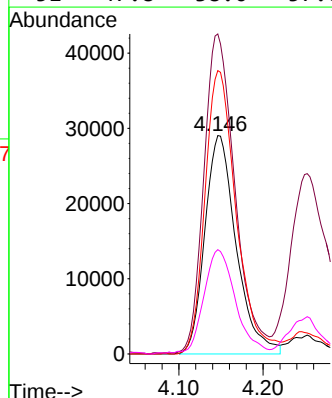
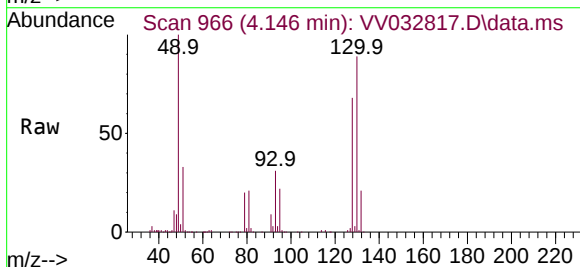
Instrument :
MSVOA_V
ClientSampleId :

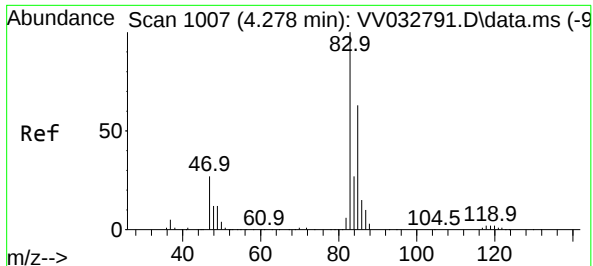
Tgt Ion: 43 Resp: 169947
Ion Ratio Lower Upper
43 100
72 23.8 13.5 40.4



#23
Bromochloromethane
Concen: 48.545 ug/L
RT: 4.146 min Scan# 966
Delta R.T. 0.000 min
Lab File: VV032817.D
Acq: 01 Nov 2023 09:23

Tgt Ion:128 Resp: 75152
Ion Ratio Lower Upper
128 100
49 146.5 101.0 187.6
130 129.7 88.5 164.4
51 47.8 38.0 57.0





#25

Chloroform

Concen: 47.277 ug/L

RT: 4.275 min Scan# 1006

Delta R.T. -0.003 min

Lab File: VV032817.D

Acq: 01 Nov 2023 09:23

Instrument :

MSVOA_V

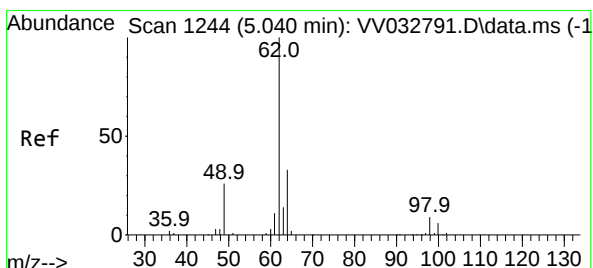
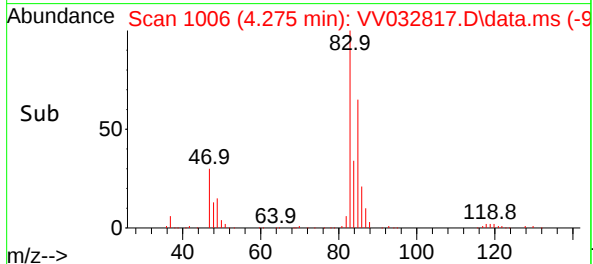
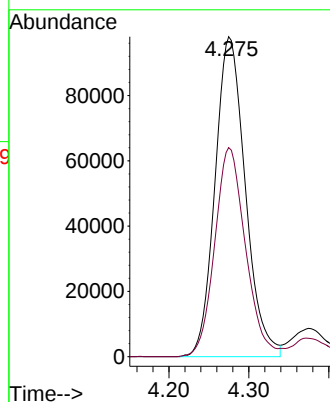
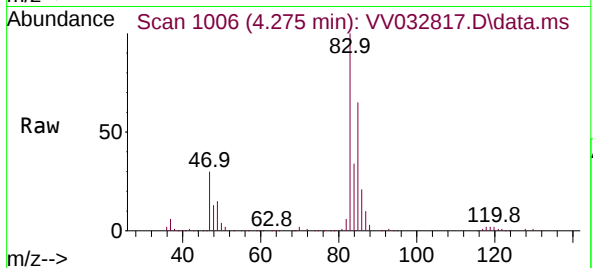
ClientSampleId :

Tgt Ion: 83 Resp: 257896

Ion Ratio Lower Upper

83 100

85 65.3 46.2 85.8



#27

1,2-Dichloroethane

Concen: 49.776 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. 0.000 min

Lab File: VV032817.D

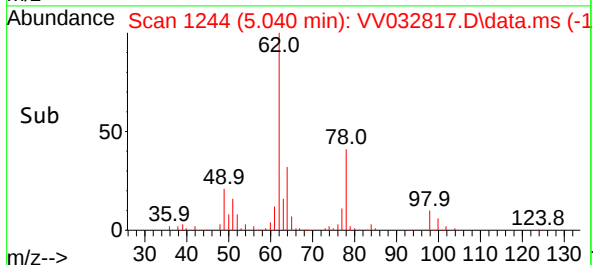
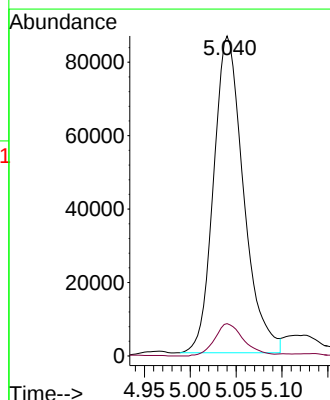
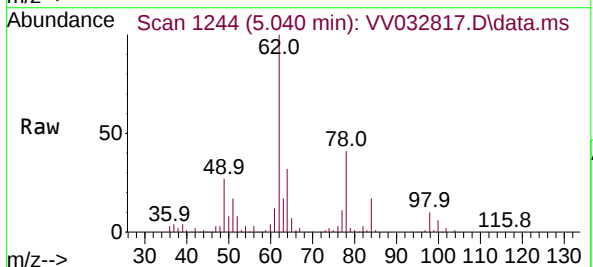
Acq: 01 Nov 2023 09:23

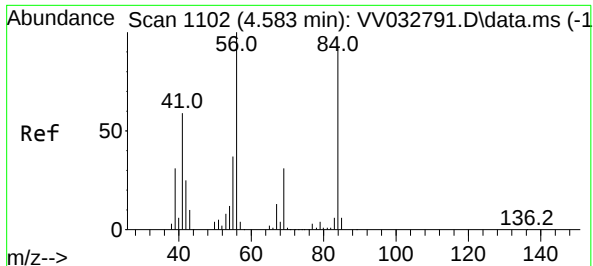
Tgt Ion: 62 Resp: 195682

Ion Ratio Lower Upper

62 100

98 10.1 7.5 11.3





#29

Cyclohexane

Concen: 47.773 ug/L

RT: 4.583 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VV032817.D

Acq: 01 Nov 2023 09:23

Instrument :

MSVOA_V

ClientSampleId :

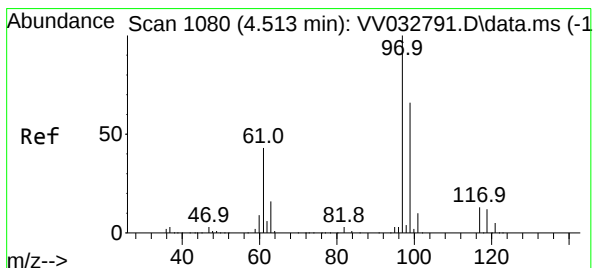
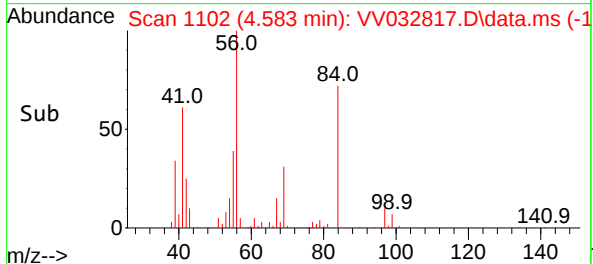
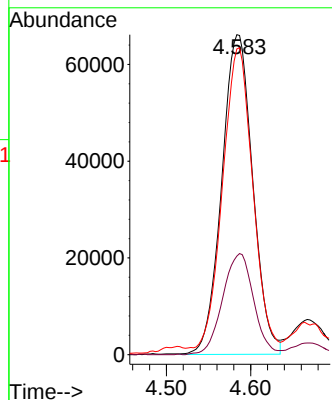
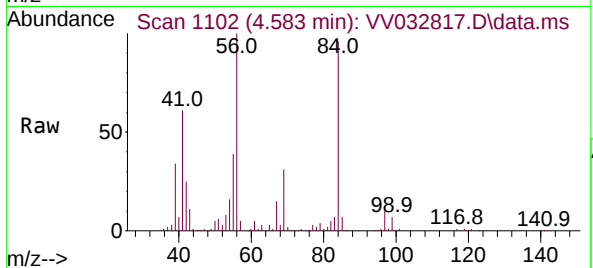
Tgt Ion: 56 Resp: 168684

Ion Ratio Lower Upper

56 100

69 31.5 13.4 20.0#

84 89.7 75.3 112.9



#30

1,1,1-Trichloroethane

Concen: 47.284 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. 0.000 min

Lab File: VV032817.D

Acq: 01 Nov 2023 09:23

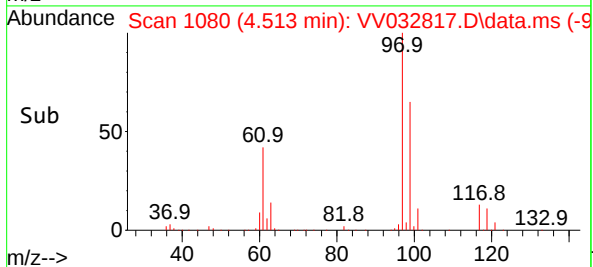
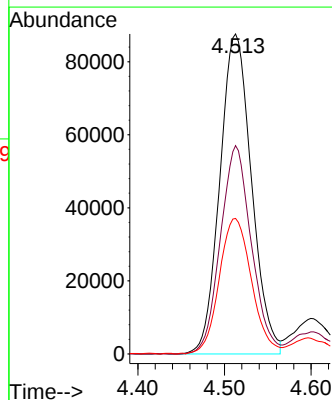
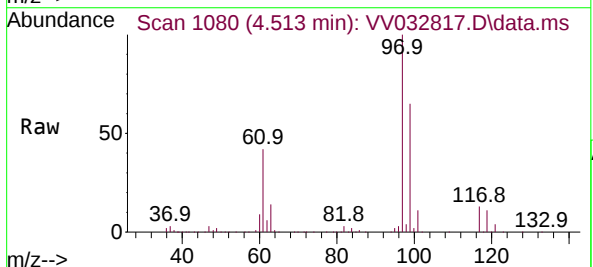
Tgt Ion: 97 Resp: 222571

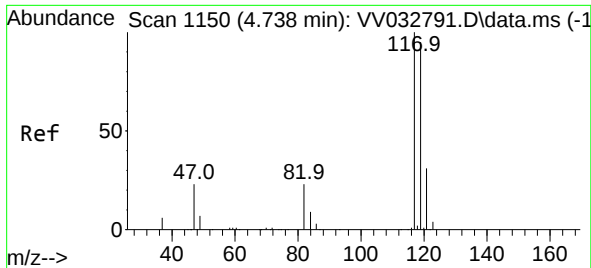
Ion Ratio Lower Upper

97 100

99 63.9 51.8 77.6

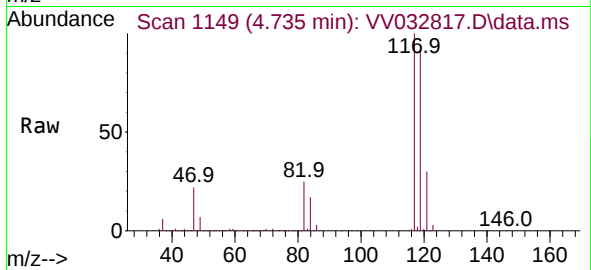
61 43.4 34.8 52.2



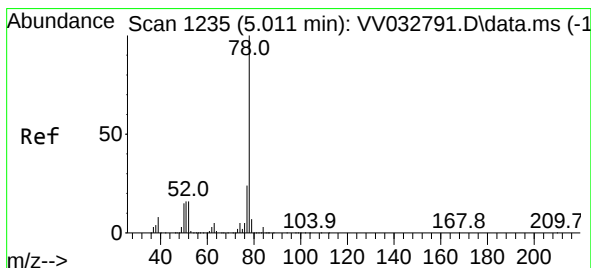
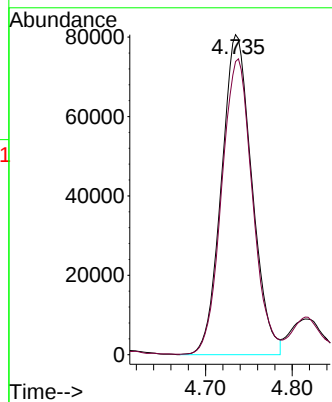
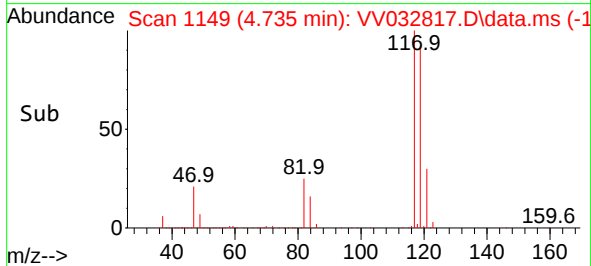


#31
Carbon tetrachloride
Concen: 47.418 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. -0.003 min
Lab File: VV032817.D
Acq: 01 Nov 2023 09:23

Instrument :
MSVOA_V
ClientSampleId :

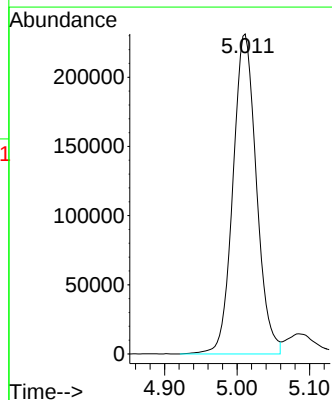
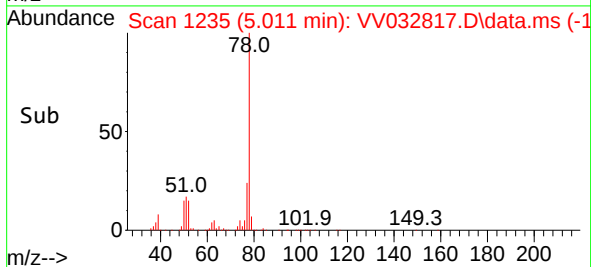
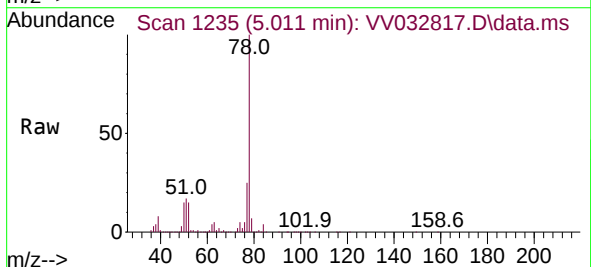


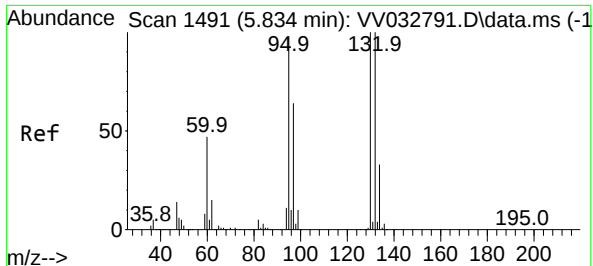
Tgt Ion:117 Resp: 197234
Ion Ratio Lower Upper
117 100
119 93.0 76.6 115.0



#33
Benzene
Concen: 49.946 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VV032817.D
Acq: 01 Nov 2023 09:23

Tgt Ion: 78 Resp: 520326



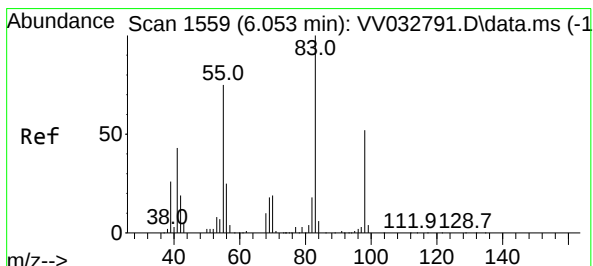
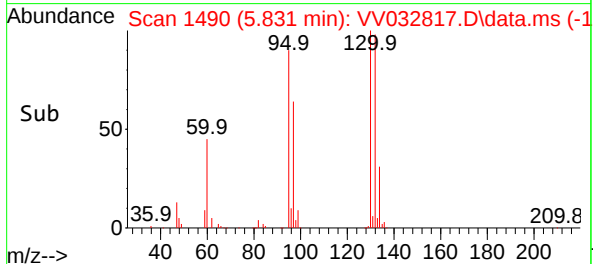
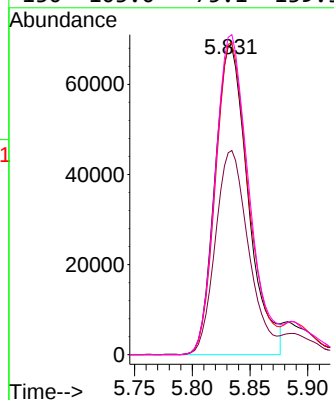
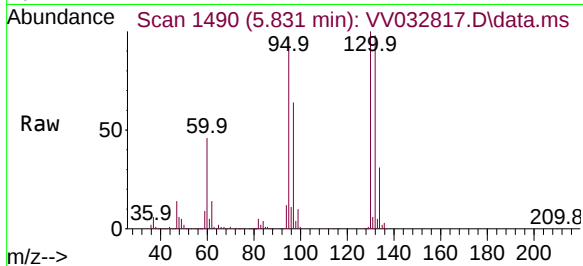


#34
Trichloroethene
Concen: 47.503 ug/L
RT: 5.831 min Scan# 1491
Delta R.T. -0.003 min
Lab File: VV032817.D
Acq: 01 Nov 2023 09:23

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 95 Resp: 137760

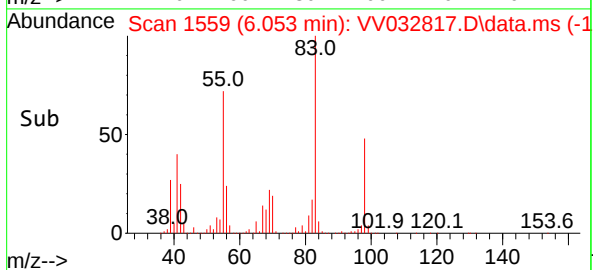
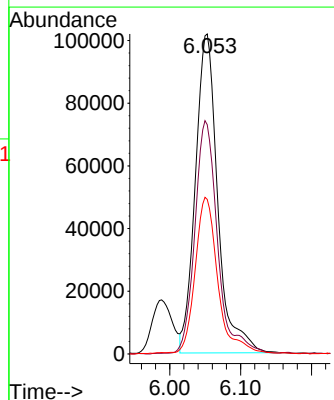
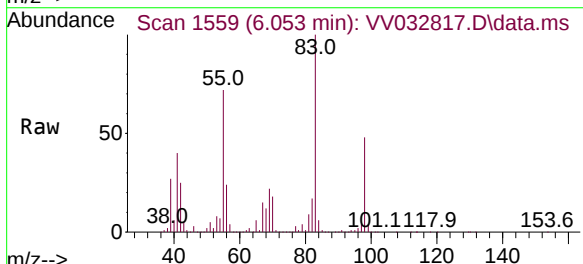
Ion	Ratio	Lower	Upper
95	100		
97	65.5	46.3	85.9
132	100.7	69.0	128.2
130	103.0	75.1	139.5

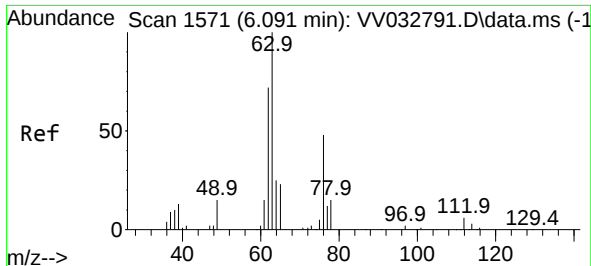


#35
Methylcyclohexane
Concen: 49.310 ug/L
RT: 6.053 min Scan# 1559
Delta R.T. 0.000 min
Lab File: VV032817.D
Acq: 01 Nov 2023 09:23

Tgt Ion: 83 Resp: 223759

Ion	Ratio	Lower	Upper
83	100		
55	70.9	57.8	86.8
98	49.0	39.4	59.2





#37

1,2-Dichloropropane

Concen: 45.295 ug/L

RT: 6.091 min Scan# 1571

Delta R.T. 0.000 min

Lab File: VV032817.D

Acq: 01 Nov 2023 09:23

Instrument :

MSVOA_V

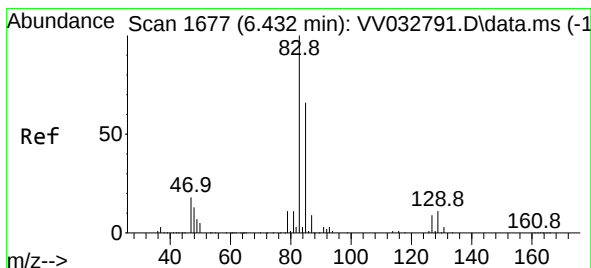
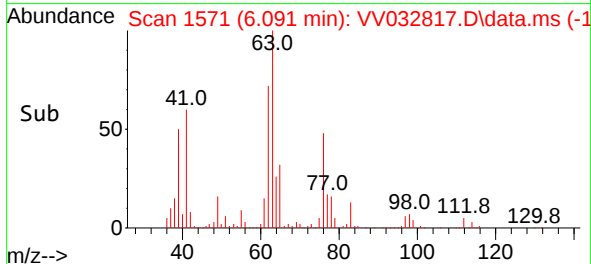
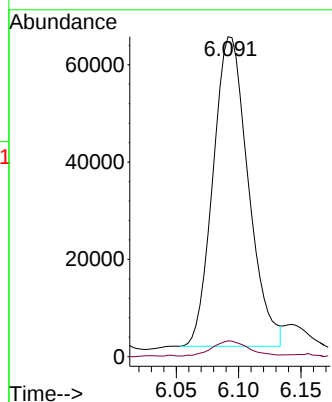
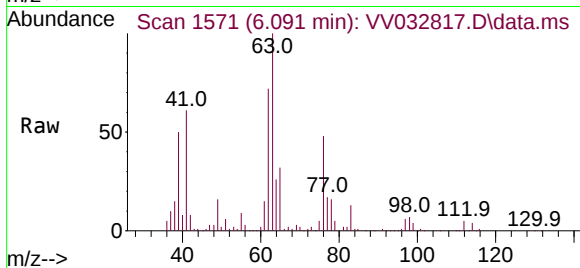
ClientSampleId :

Tgt Ion: 63 Resp: 125259

Ion Ratio Lower Upper

63 100

112 5.1 4.1 6.1



#38

Bromodichloromethane

Concen: 46.610 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. 0.000 min

Lab File: VV032817.D

Acq: 01 Nov 2023 09:23

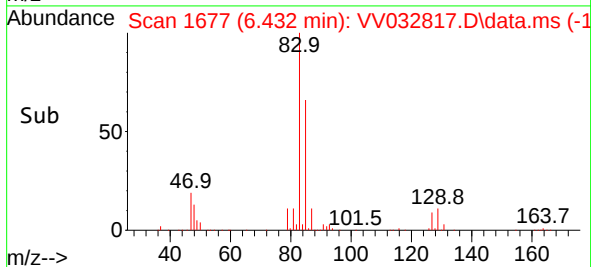
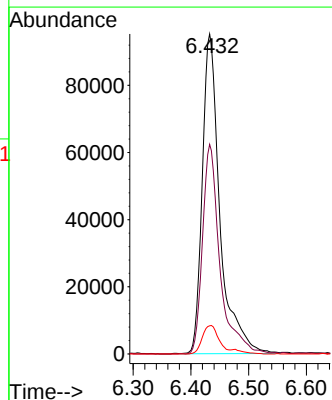
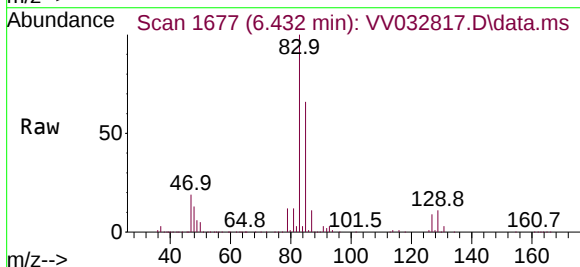
Tgt Ion: 83 Resp: 202214

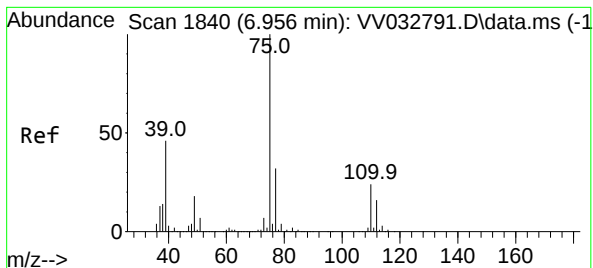
Ion Ratio Lower Upper

83 100

85 65.5 45.1 83.9

127 8.8 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 51.838 ug/L

RT: 6.953 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV032817.D

Acq: 01 Nov 2023 09:23

Instrument :

MSVOA_V

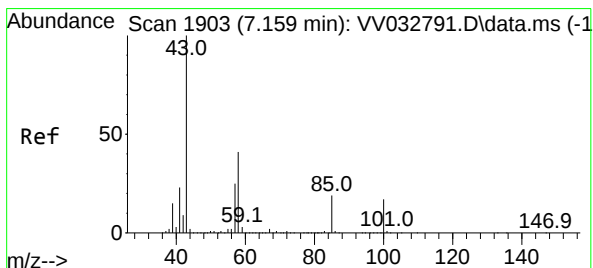
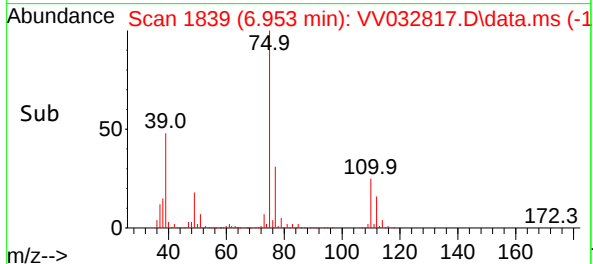
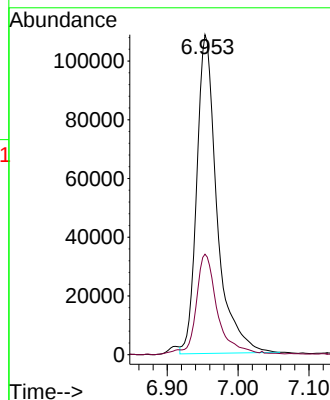
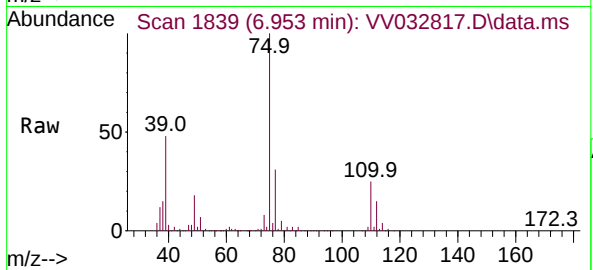
ClientSampleId :

Tgt Ion: 75 Resp: 215061

Ion Ratio Lower Upper

75 100

77 31.4 23.0 42.8



#40

4-Methyl-2-pentanone

Concen: 98.808 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. -0.003 min

Lab File: VV032817.D

Acq: 01 Nov 2023 09:23

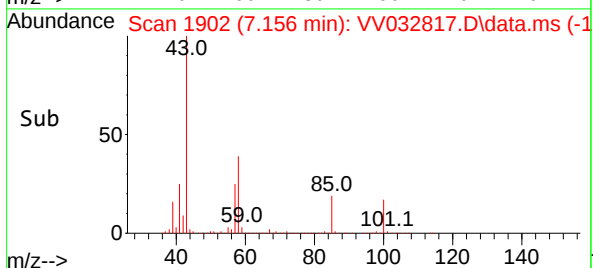
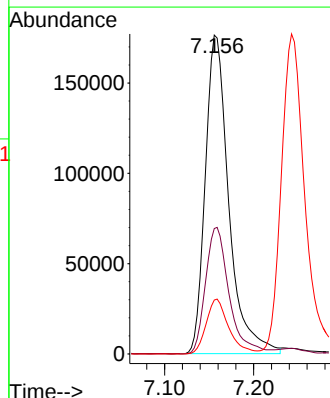
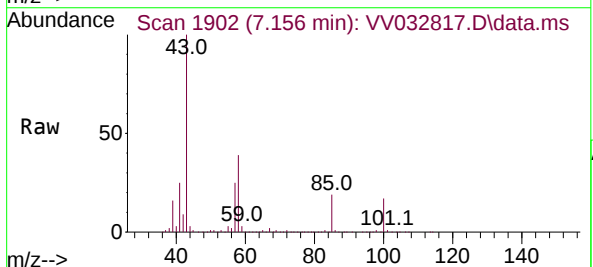
Tgt Ion: 43 Resp: 323824

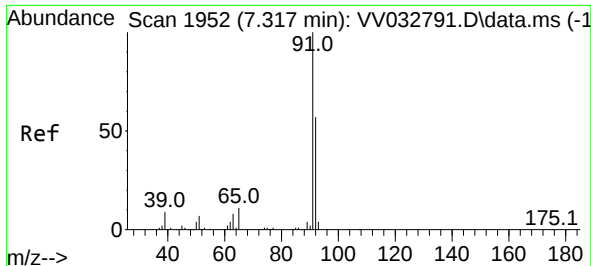
Ion Ratio Lower Upper

43 100

58 39.5 31.4 47.0

100 16.5 13.3 19.9

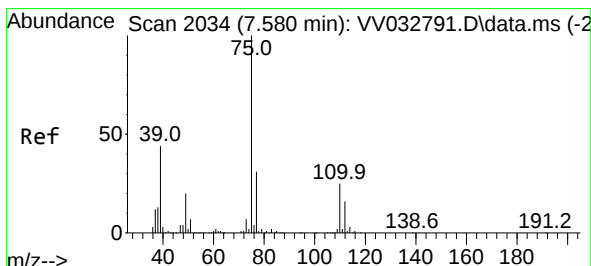
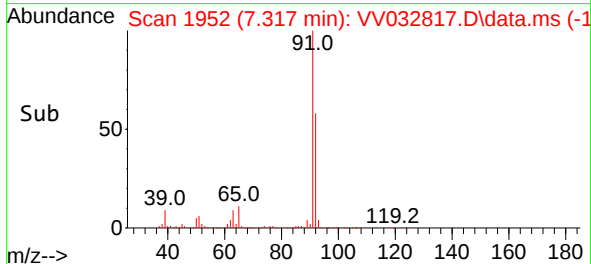
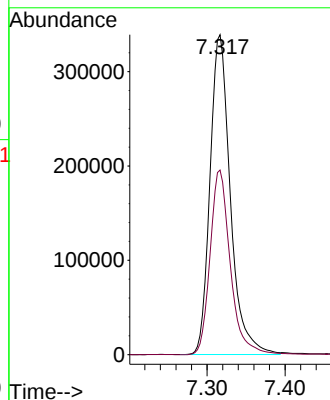
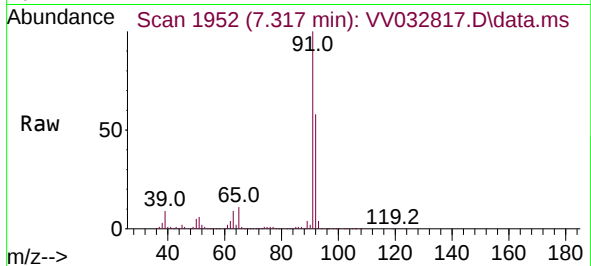




#42
Toluene
Concen: 51.876 ug/L
RT: 7.317 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VV032817.D
Acq: 01 Nov 2023 09:23

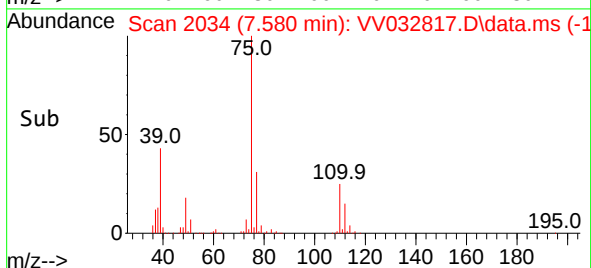
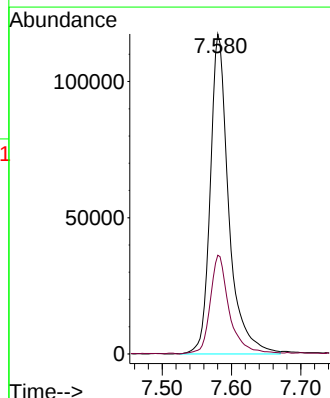
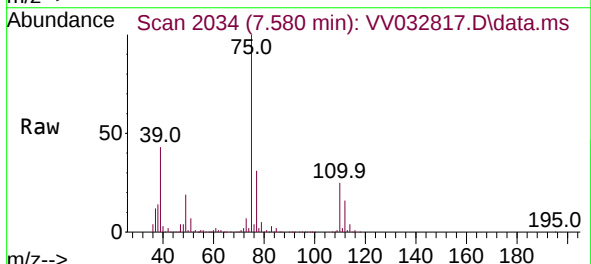
Instrument :
MSVOA_V
ClientSampleId :

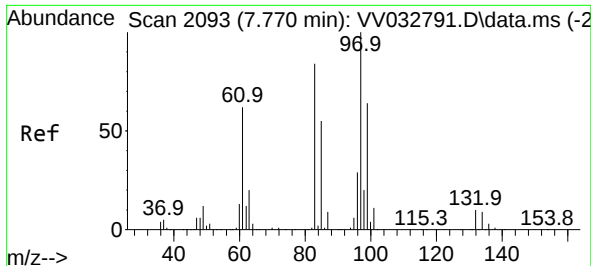
Tgt Ion: 91 Resp: 615461
Ion Ratio Lower Upper
91 100
92 57.7 40.0 74.2



#44
trans-1,3-Dichloropropene
Concen: 51.010 ug/L
RT: 7.580 min Scan# 2034
Delta R.T. 0.000 min
Lab File: VV032817.D
Acq: 01 Nov 2023 09:23

Tgt Ion: 75 Resp: 217370
Ion Ratio Lower Upper
75 100
77 30.9 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 48.850 ug/L

RT: 7.767 min Scan# 2092

Delta R.T. -0.003 min

Lab File: VV032817.D

Acq: 01 Nov 2023 09:23

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 154948

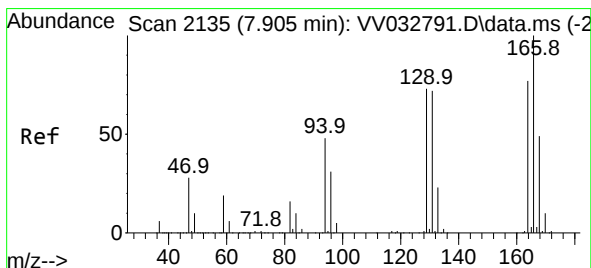
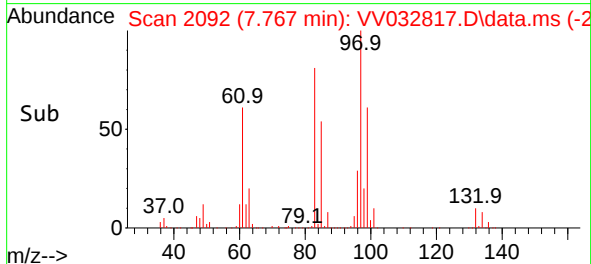
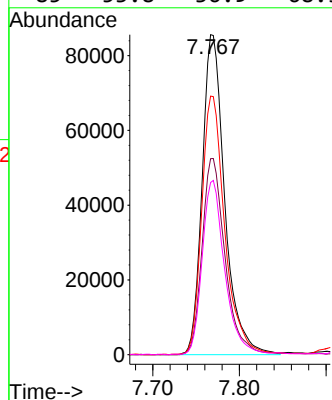
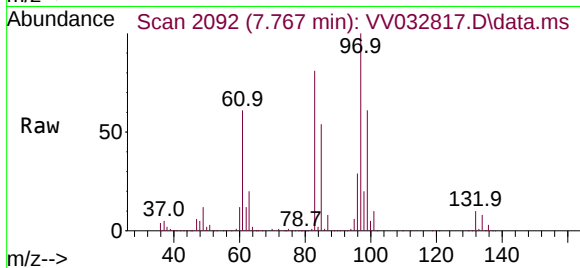
Ion Ratio Lower Upper

97 100

99 61.3 42.8 79.6

83 80.8 58.4 108.4

85 53.8 36.9 68.5



#46

Tetrachloroethene

Concen: 46.893 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VV032817.D

Acq: 01 Nov 2023 09:23

Tgt Ion:164 Resp: 122704

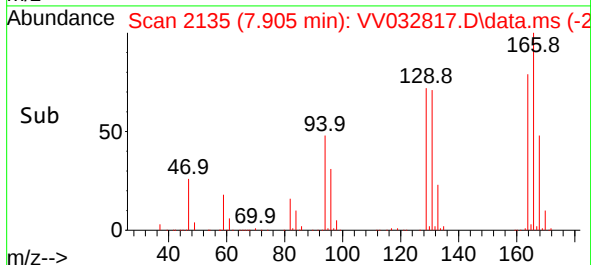
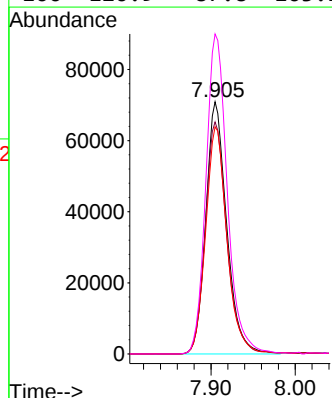
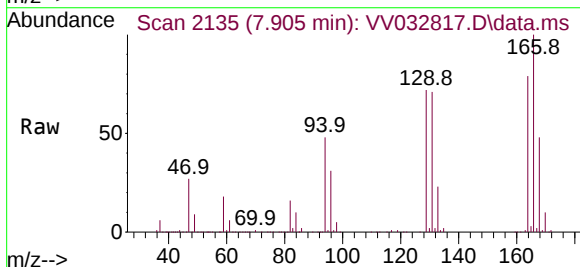
Ion Ratio Lower Upper

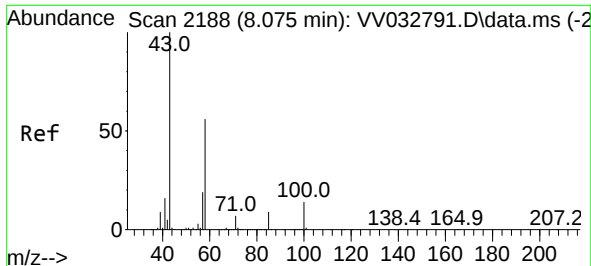
164 100

129 92.0 65.3 121.3

131 90.1 65.0 120.8

166 126.9 87.8 163.2

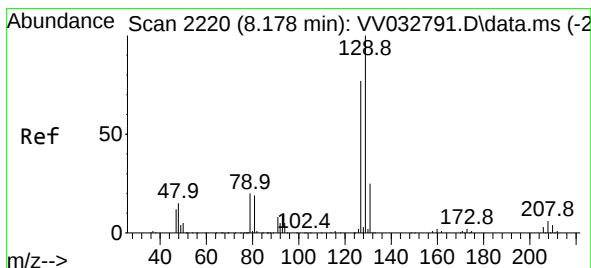
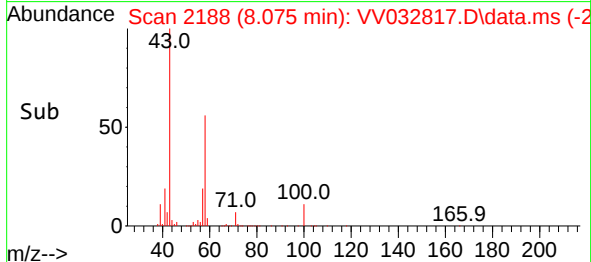
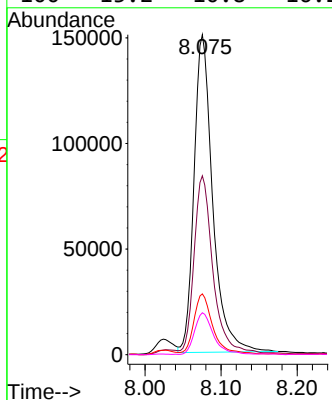
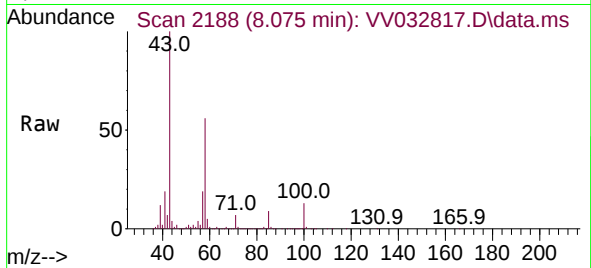




#48
2-Hexanone
Concen: 87.527 ug/L
RT: 8.075 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VV032817.D
Acq: 01 Nov 2023 09:23

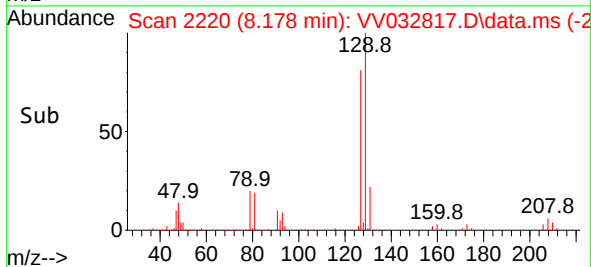
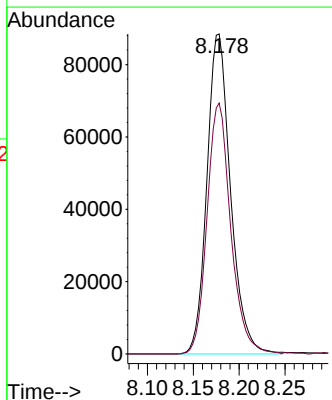
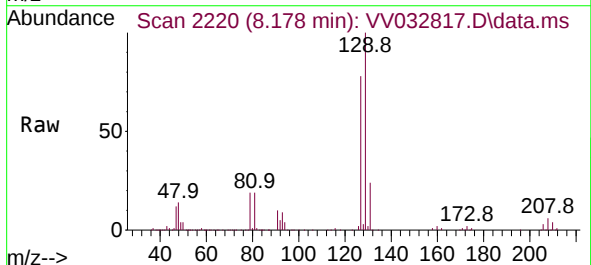
Instrument :
MSVOA_V
ClientSampleId :

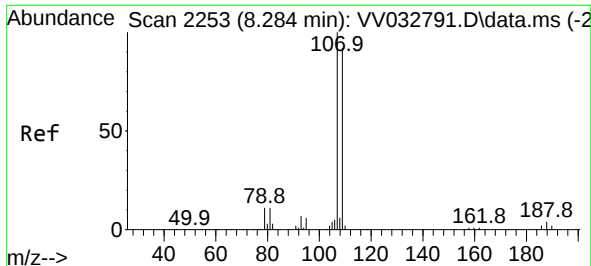
Tgt Ion: 43 Resp: 257371
Ion Ratio Lower Upper
43 100
58 56.0 43.3 64.9
57 19.5 15.5 23.3
100 13.2 10.8 16.2



#49
Dibromochloromethane
Concen: 47.875 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.000 min
Lab File: VV032817.D
Acq: 01 Nov 2023 09:23

Tgt Ion: 129 Resp: 158763
Ion Ratio Lower Upper
129 100
127 78.4 54.7 101.5





#50

1,2-Dibromoethane

Concen: 49.291 ug/L

RT: 8.281 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV032817.D

Acq: 01 Nov 2023 09:23

Instrument :

MSVOA_V

ClientSampleId :

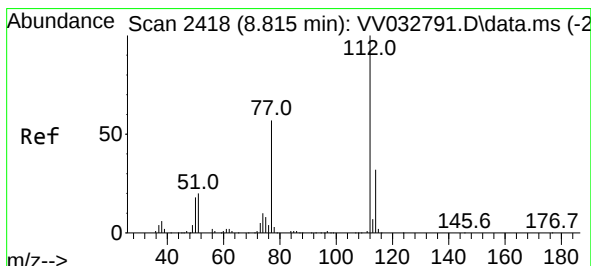
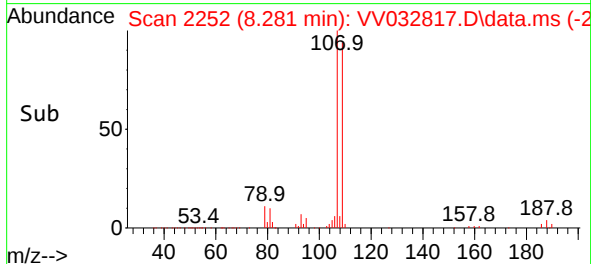
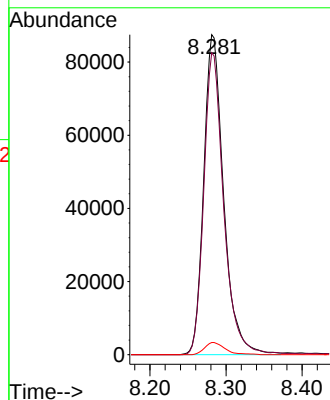
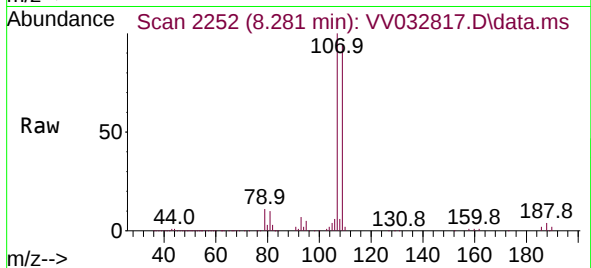
Tgt Ion:107 Resp: 159283

Ion Ratio Lower Upper

107 100

109 94.3 66.4 123.2

188 3.8 3.0 4.6



#51

Chlorobenzene

Concen: 48.444 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. 0.000 min

Lab File: VV032817.D

Acq: 01 Nov 2023 09:23

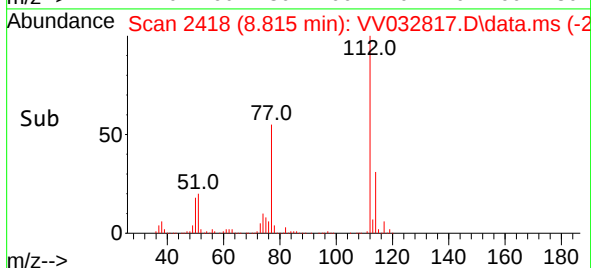
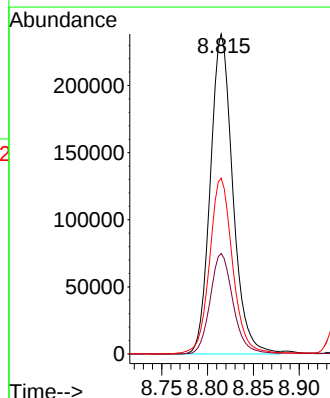
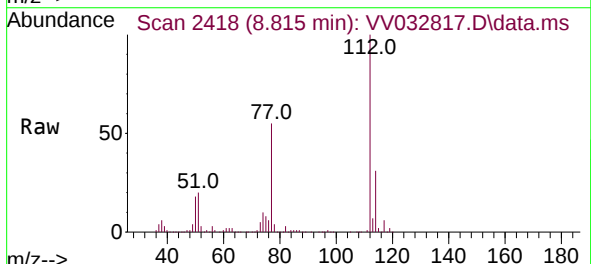
Tgt Ion:112 Resp: 406890

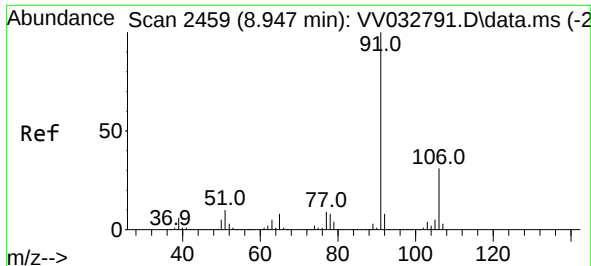
Ion Ratio Lower Upper

112 100

114 31.4 21.6 40.2

77 55.0 44.4 66.6





#52

Ethylbenzene

Concen: 51.377 ug/L

RT: 8.947 min Scan# 2459

Delta R.T. 0.000 min

Lab File: VV032817.D

Acq: 01 Nov 2023 09:23

Instrument :

MSVOA_V

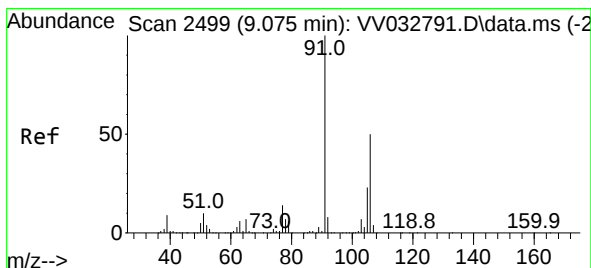
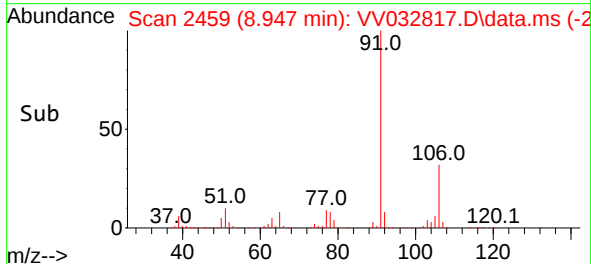
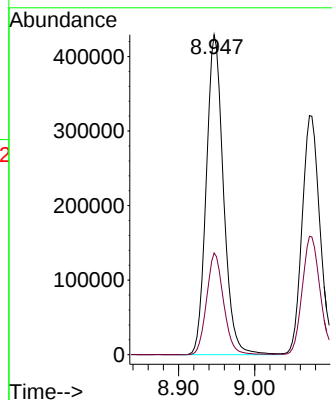
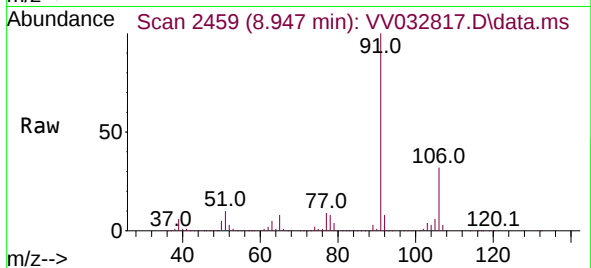
ClientSampleId :

Tgt Ion: 91 Resp: 672389

Ion Ratio Lower Upper

91 100

106 31.8 21.7 40.3



#53

m,p-Xylene

Concen: 52.128 ug/L

RT: 9.072 min Scan# 2498

Delta R.T. -0.003 min

Lab File: VV032817.D

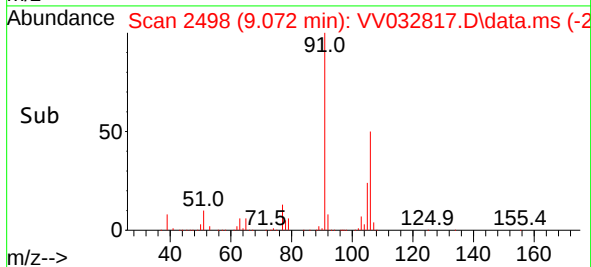
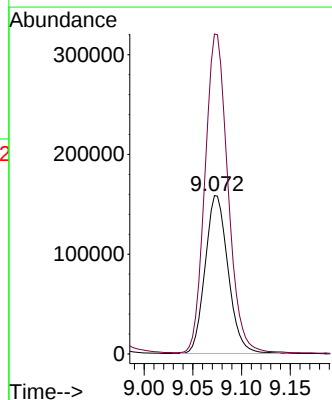
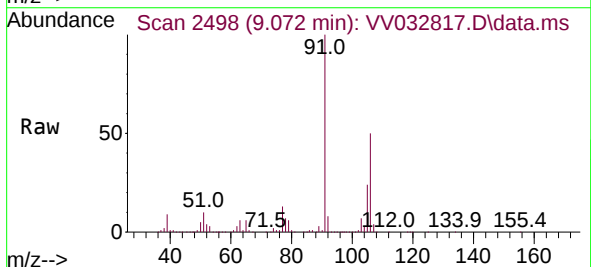
Acq: 01 Nov 2023 09:23

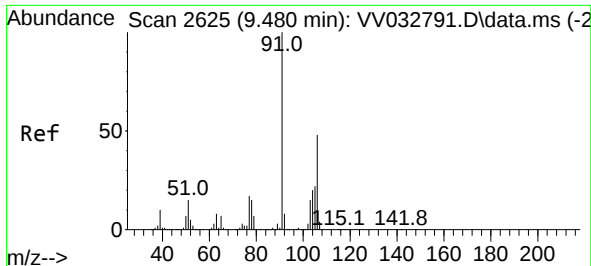
Tgt Ion: 106 Resp: 259643

Ion Ratio Lower Upper

106 100

91 201.9 139.7 259.5

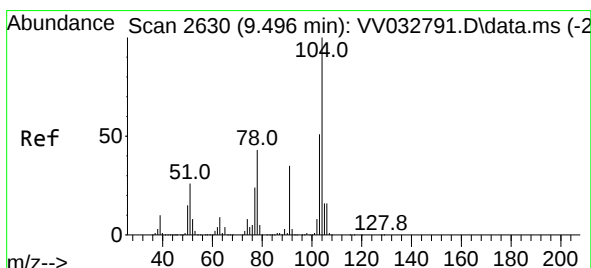
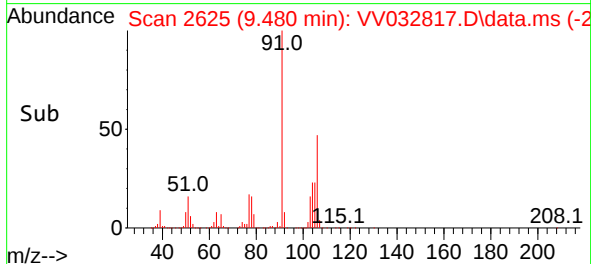
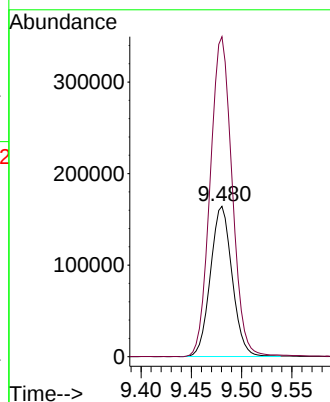
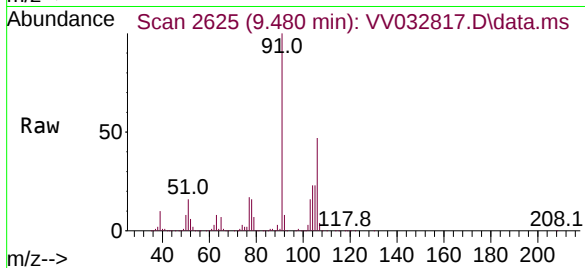




#54
o-Xylene
Concen: 51.114 ug/L
RT: 9.480 min Scan# 2625
Delta R.T. 0.000 min
Lab File: VV032817.D
Acq: 01 Nov 2023 09:23

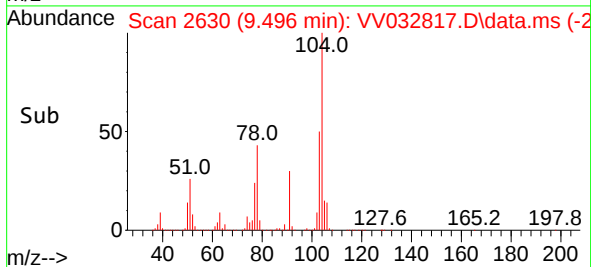
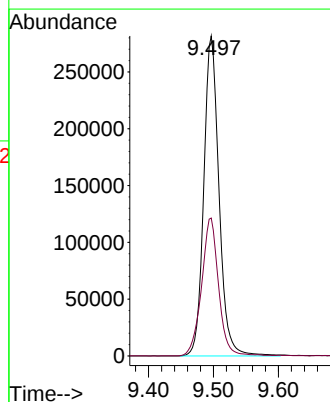
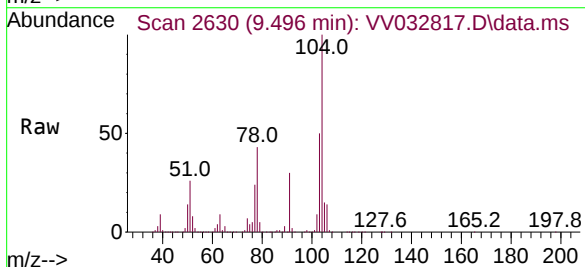
Instrument :
MSVOA_V
ClientSampleId :

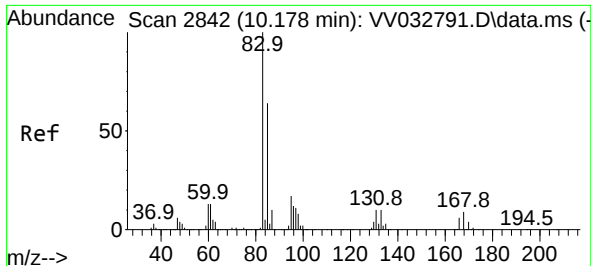
Tgt Ion:106 Resp: 246643
Ion Ratio Lower Upper
106 100
91 212.9 151.0 280.4



#55
Styrene
Concen: 54.894 ug/L
RT: 9.496 min Scan# 2630
Delta R.T. 0.000 min
Lab File: VV032817.D
Acq: 01 Nov 2023 09:23

Tgt Ion:104 Resp: 461612
Ion Ratio Lower Upper
104 100
78 43.1 30.1 55.9

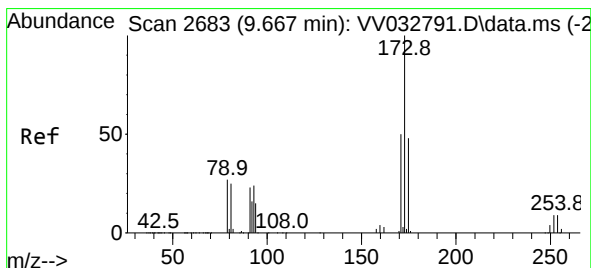
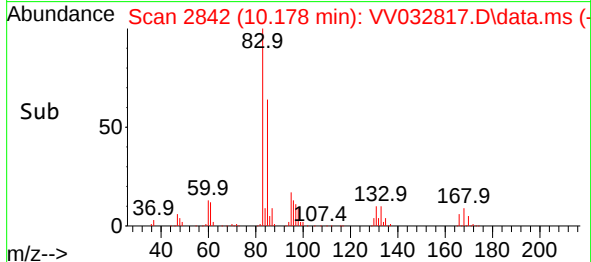
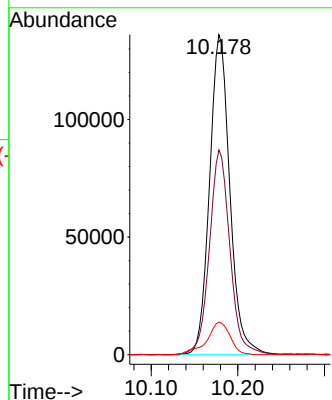
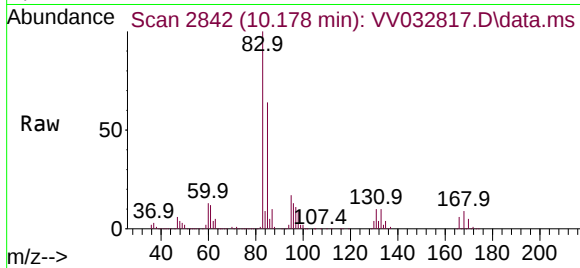




#57
1,1,2,2-Tetrachloroethane
Concen: 46.561 ug/L
RT: 10.178 min Scan# 2842
Delta R.T. 0.000 min
Lab File: VV032817.D
Acq: 01 Nov 2023 09:23

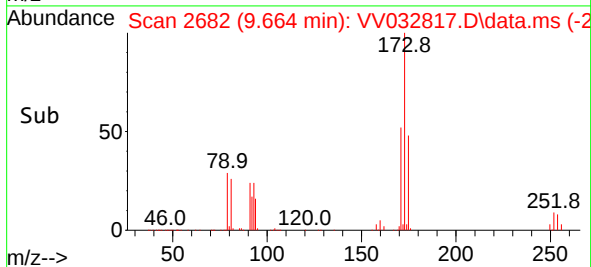
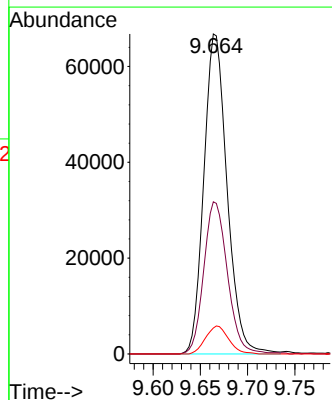
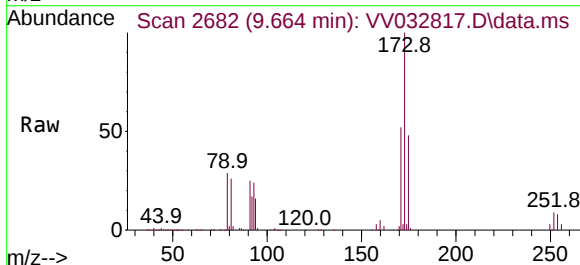
Instrument :
MSVOA_V
ClientSampleId :

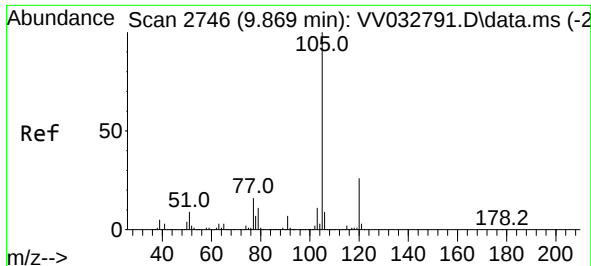
Tgt Ion: 83 Resp: 221193
Ion Ratio Lower Upper
83 100
85 64.0 44.9 83.3
131 10.2 7.8 11.6



#59
Bromoform
Concen: 45.011 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. -0.003 min
Lab File: VV032817.D
Acq: 01 Nov 2023 09:23

Tgt Ion: 173 Resp: 114432
Ion Ratio Lower Upper
173 100
175 48.3 38.4 57.6
254 8.7 7.0 10.6

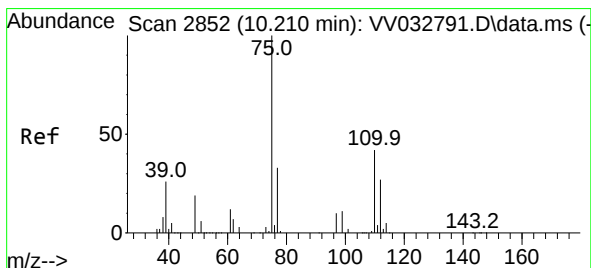
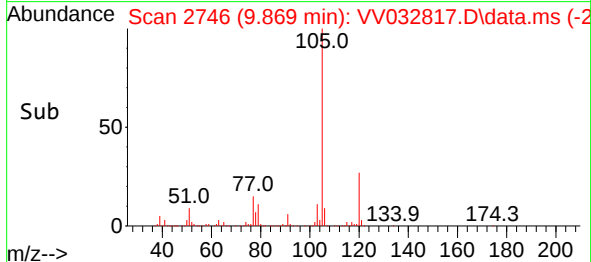
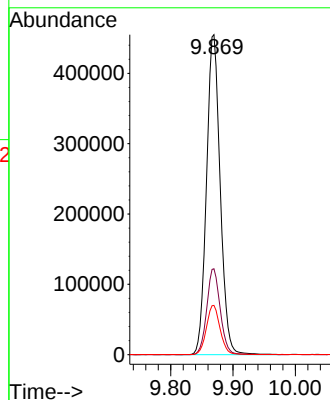
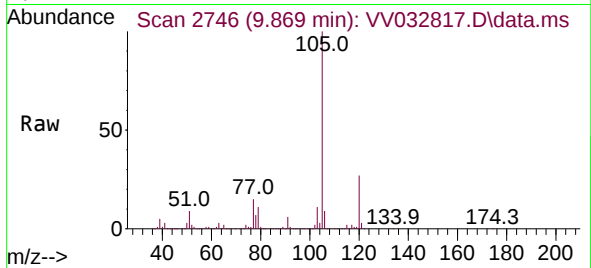




#60
Isopropylbenzene
Concen: 50.451 ug/L
RT: 9.869 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV032817.D
Acq: 01 Nov 2023 09:23

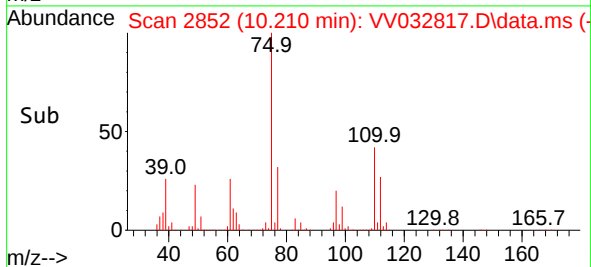
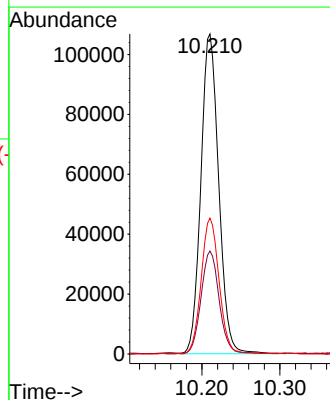
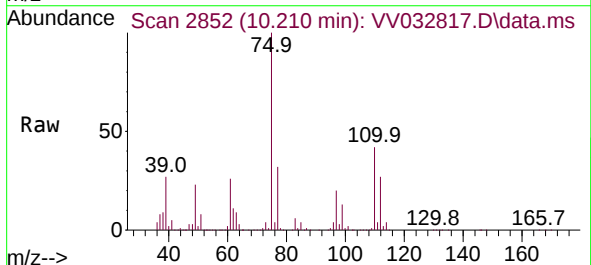
Instrument :
MSVOA_V
ClientSampleId :

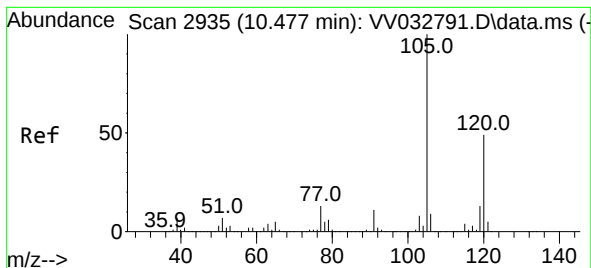
Tgt Ion:105 Resp: 693755
Ion Ratio Lower Upper
105 100
120 26.5 21.1 31.7
77 15.3 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 44.778 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. 0.000 min
Lab File: VV032817.D
Acq: 01 Nov 2023 09:23

Tgt Ion: 75 Resp: 169594
Ion Ratio Lower Upper
75 100
77 32.1 25.4 38.0
110 42.6 34.3 51.5





#62

1,3,5-Trimethylbenzene

Concen: 51.333 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VV032817.D

Acq: 01 Nov 2023 09:23

Instrument :

MSVOA_V

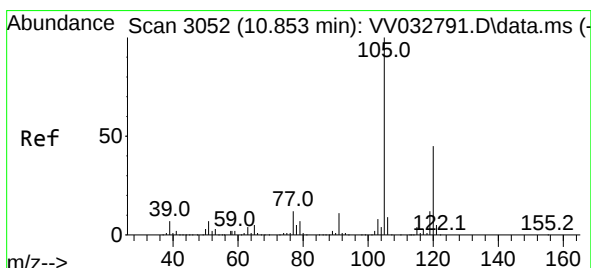
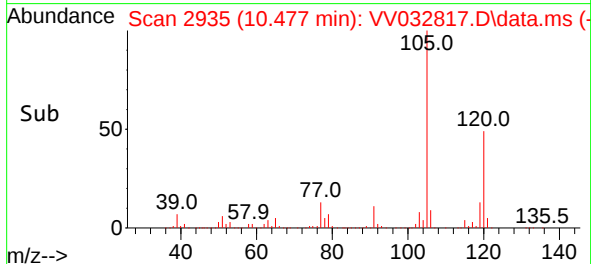
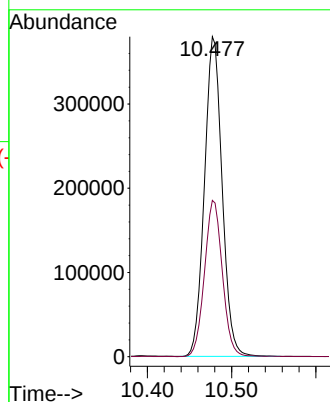
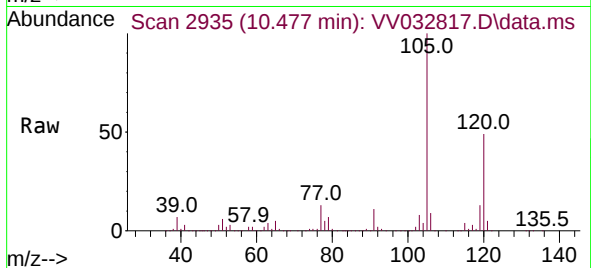
ClientSampleId :

Tgt Ion:105 Resp: 555478

Ion Ratio Lower Upper

105 100

120 49.4 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 52.345 ug/L

RT: 10.853 min Scan# 3052

Delta R.T. 0.000 min

Lab File: VV032817.D

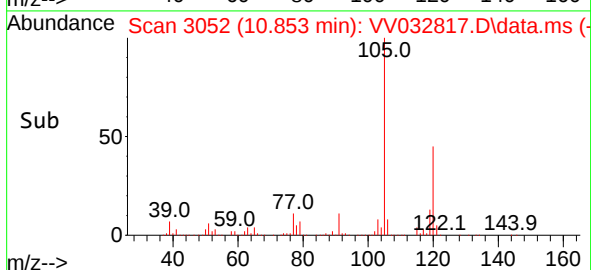
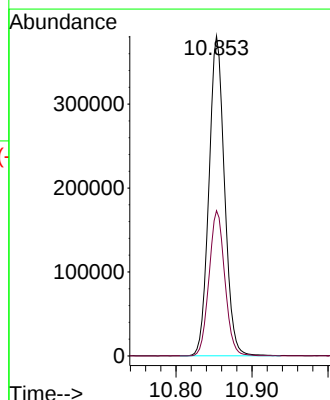
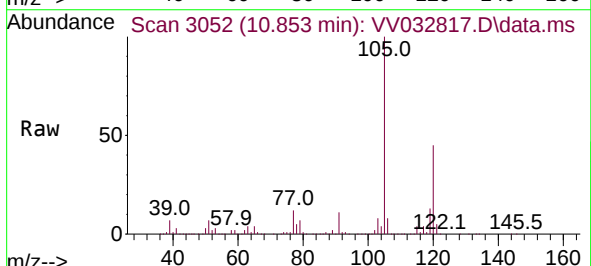
Acq: 01 Nov 2023 09:23

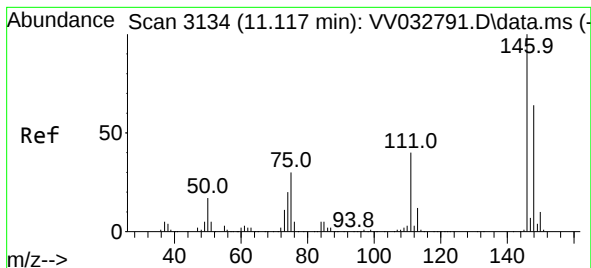
Tgt Ion:105 Resp: 541838

Ion Ratio Lower Upper

105 100

120 45.9 37.0 55.6





#64

1,3-Dichlorobenzene

Concen: 48.906 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. 0.000 min

Lab File: VV032817.D

Acq: 01 Nov 2023 09:23

Instrument :

MSVOA_V

ClientSampleId :

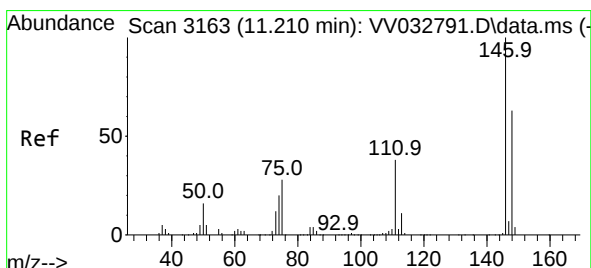
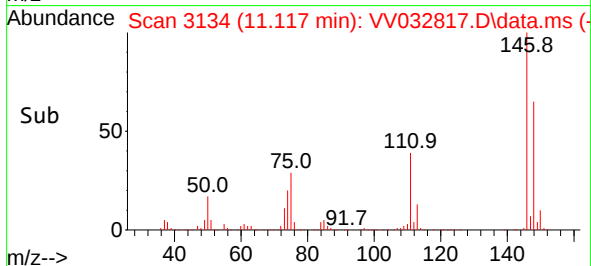
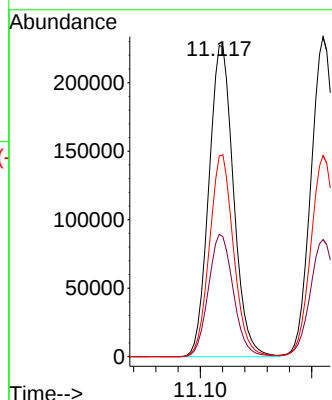
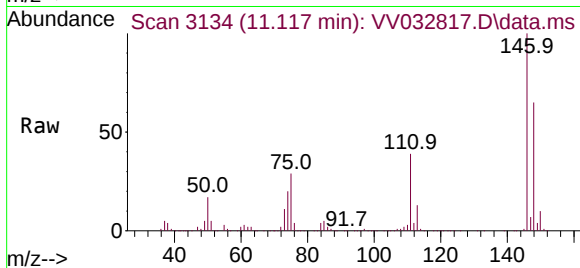
Tgt Ion:146 Resp: 350351

Ion Ratio Lower Upper

146 100

111 39.4 27.2 50.4

148 64.6 44.6 82.8



#65

1,4-Dichlorobenzene

Concen: 48.167 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VV032817.D

Acq: 01 Nov 2023 09:23

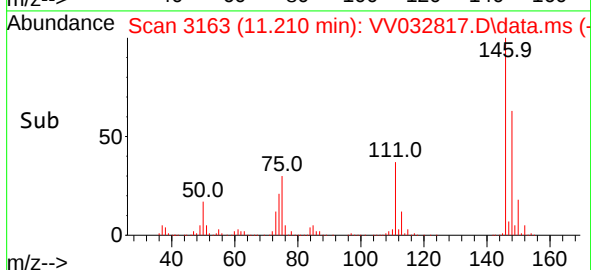
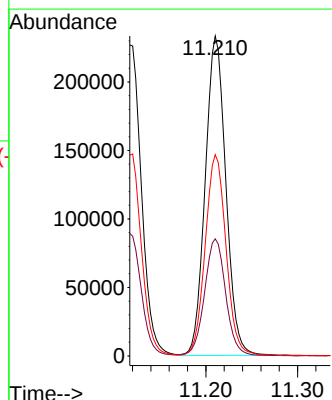
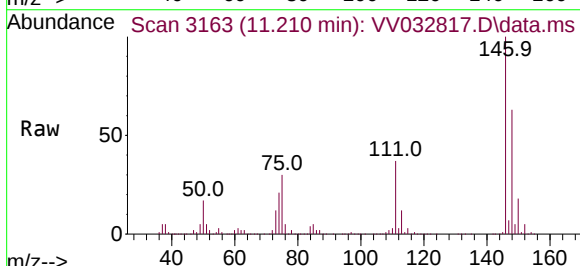
Tgt Ion:146 Resp: 364088

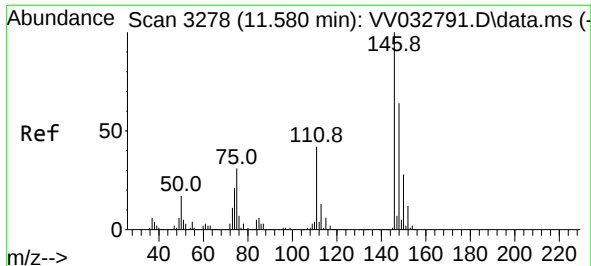
Ion Ratio Lower Upper

146 100

111 36.6 26.5 49.1

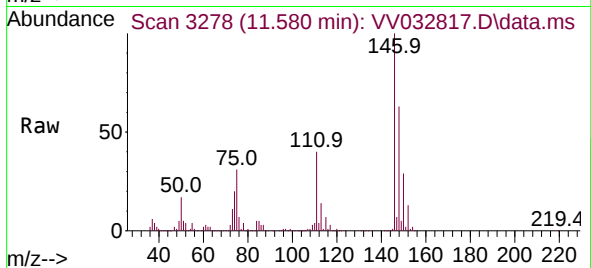
148 62.9 44.9 83.5



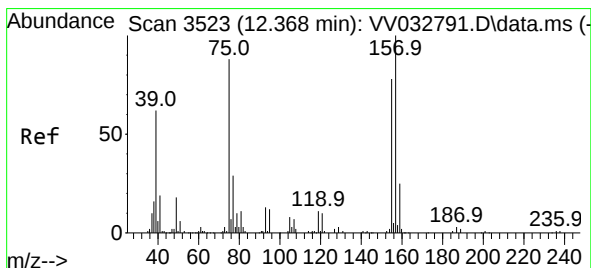
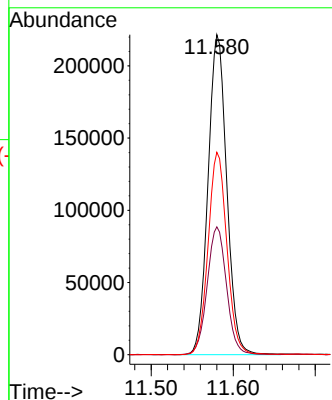
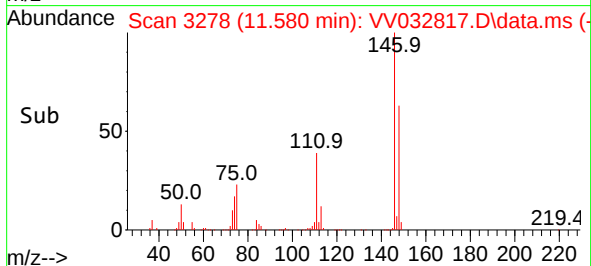


#67
1,2-Dichlorobenzene
Concen: 48.004 ug/L
RT: 11.580 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV032817.D
Acq: 01 Nov 2023 09:23

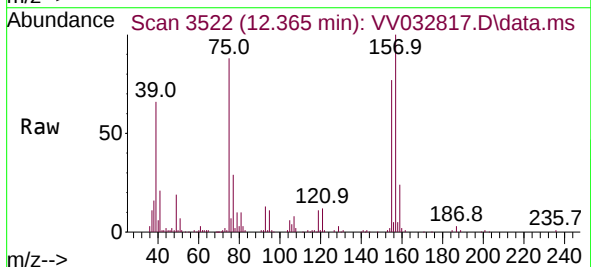
Instrument :
MSVOA_V
ClientSampleId :



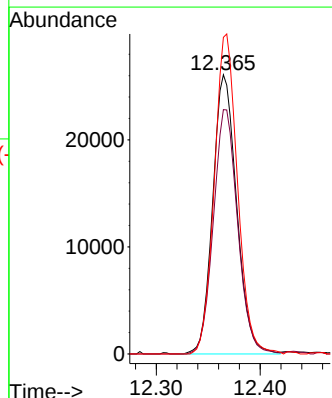
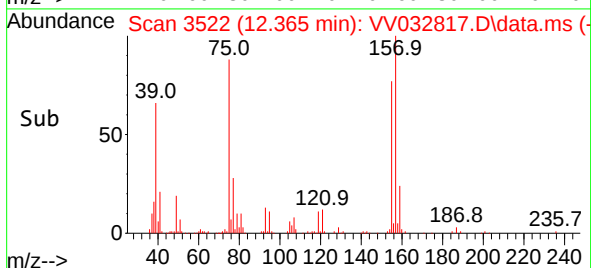
Tgt Ion:146 Resp: 351073
Ion Ratio Lower Upper
146 100
111 40.0 32.5 48.7
148 63.2 50.6 76.0

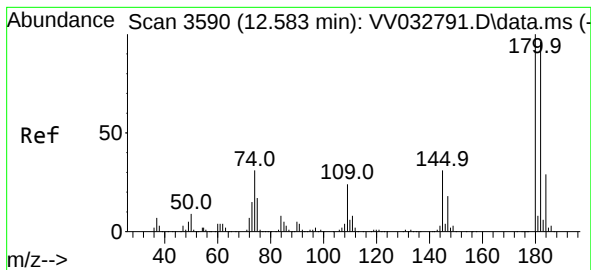


#68
1,2-Dibromo-3-chloropropane
Concen: 42.350 ug/L
RT: 12.365 min Scan# 3522
Delta R.T. -0.003 min
Lab File: VV032817.D
Acq: 01 Nov 2023 09:23



Tgt Ion: 75 Resp: 41745
Ion Ratio Lower Upper
75 100
155 87.5 68.6 102.8
157 113.4 87.3 130.9





#69

1,3,5-Trichlorobenzene

Concen: 48.684 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. 0.000 min

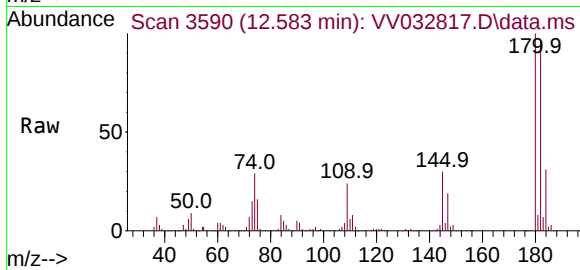
Lab File: VV032817.D

Acq: 01 Nov 2023 09:23

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 251778

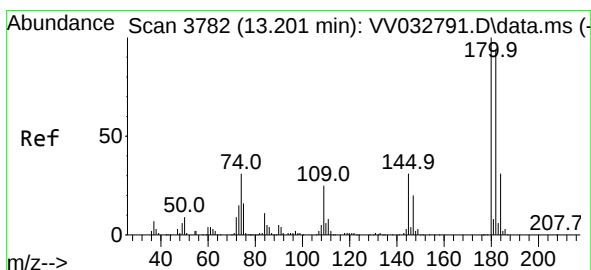
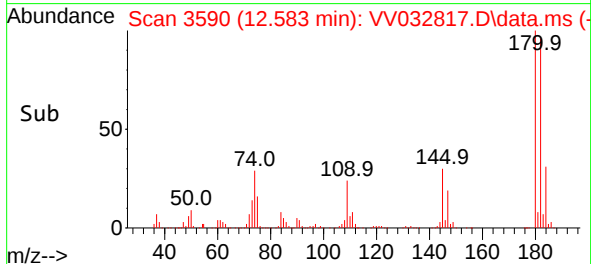
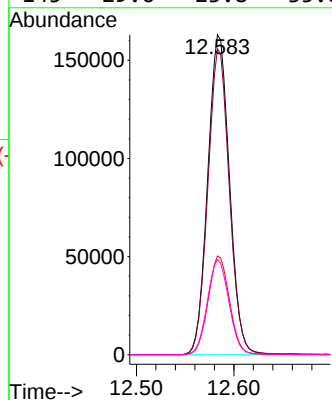
Ion Ratio Lower Upper

180 100

182 94.8 75.9 113.9

184 30.3 23.5 35.3

145 29.6 23.8 35.8



#70

1,2,4-trichlorobenzene

Concen: 48.332 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.000 min

Lab File: VV032817.D

Acq: 01 Nov 2023 09:23

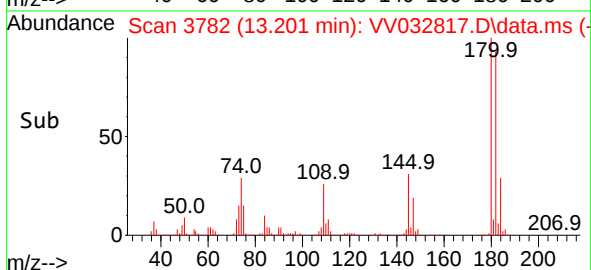
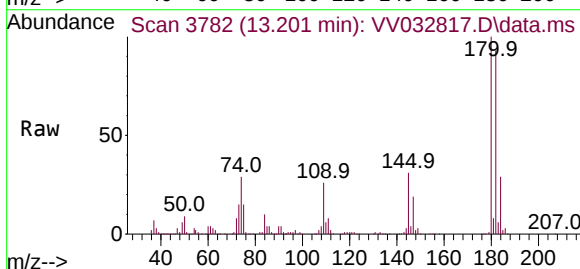
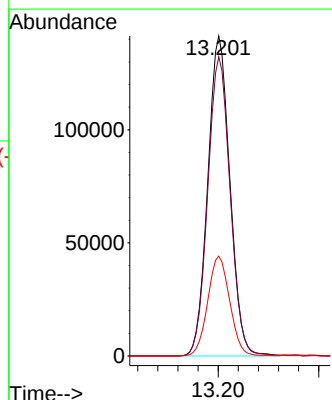
Tgt Ion:180 Resp: 216168

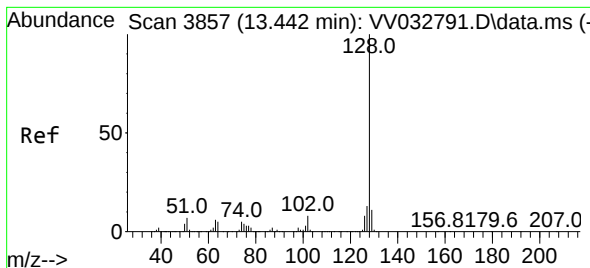
Ion Ratio Lower Upper

180 100

182 94.6 76.9 115.3

145 31.1 24.7 37.1





#71

Naphthalene

Concen: 47.614 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. 0.000 min

Lab File: VV032817.D

Acq: 01 Nov 2023 09:23

Instrument :

MSVOA_V

ClientSampleId :

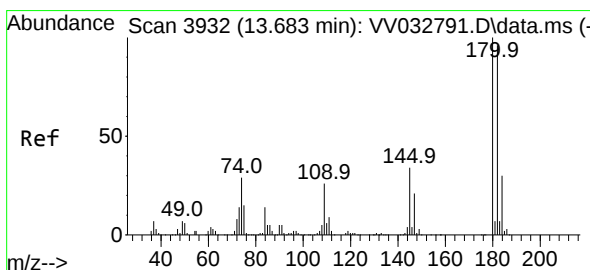
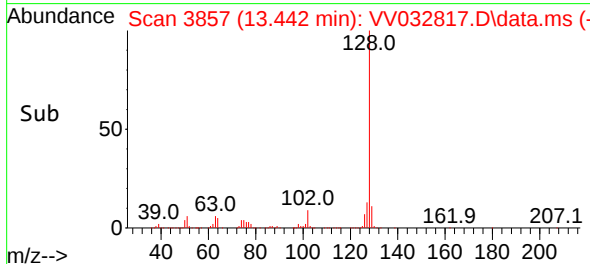
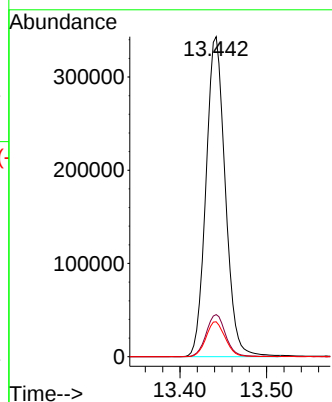
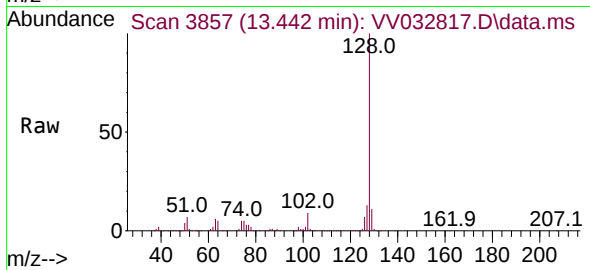
Tgt Ion:128 Resp: 531796

Ion Ratio Lower Upper

128 100

127 13.3 10.6 15.8

129 10.9 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 50.162 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.000 min

Lab File: VV032817.D

Acq: 01 Nov 2023 09:23

Tgt Ion:180 Resp: 224000

Ion Ratio Lower Upper

180 100

182 95.7 76.2 114.4

145 32.2 25.8 38.8

