

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV110223\
 Data File : VV032830.D
 Acq On : 01 Nov 2023 17:47
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 02 01:33:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 02 01:31:24 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	127914	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	150077	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	80781	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	42299	4.027	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.600%
7) Chloroethane-d5	1.532	69	42360	4.745	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.800%
11) 1,1-Dichloroethene-d2	2.060	65	19582	4.153	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.000%
20) 2-Butanone-d5	3.812	46	112089	49.409	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.820%
24) Chloroform-d	4.253	84	96860	5.553	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.000%
26) 1,2-Dichloroethane-d4	4.950	65	46540	5.404	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.000%
32) Benzene-d6	4.963	84	175990	4.925	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.600%
36) 1,2-Dichloropropane-d6	5.992	67	51799	5.006	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.200%
41) Toluene-d8	7.246	98	182554	5.040	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.800%
43) trans-1,3-Dichloroprop...	7.558	79	23201	5.082	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.600%
46) 2-Hexanone-d5	8.031	63	96425	53.291	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.580%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	49374	5.366	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.400%
66) 1,2-Dichlorobenzene-d4	11.564	152	67700	5.132	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	69392	5.285	ug/L	99
3) Chloromethane	1.217	50	77177	4.982	ug/L	99
5) Vinyl chloride	1.282	62	77856	5.065	ug/L	99
6) Bromomethane	1.487	94	46172	5.147	ug/L	96
8) Chloroethane	1.552	64	51830	5.156	ug/L	99
9) Trichlorofluoromethane	1.716	101	119535	5.776	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	65666	5.381	ug/L	99
12) 1,1-Dichloroethene	2.069	96	60226	5.268	ug/L	90
13) Acetone	2.137	43	108662	48.520	ug/L	89
14) Carbon disulfide	2.240	76	191532	5.288	ug/L	100
15) Methyl Acetate	2.384	43	20797	4.637	ug/L	94
16) Methylene chloride	2.449	84	85541	6.079	ug/L	99
17) Methyl tert-butyl Ether	2.706	73	129622	5.252	ug/L	98
18) trans-1,2-Dichloroethene	2.696	96	64194	5.678	ug/L	99
19) 1,1-Dichloroethane	3.114	63	106809	5.329	ug/L	99
21) 2-Butanone	3.889	43	149905	50.629	ug/L	88
22) cis-1,2-Dichloroethene	3.819	96	63427	5.534	ug/L	91
23) Bromochloromethane	4.150	128	31210	5.854	ug/L	95
25) Chloroform	4.278	83	123274	5.657	ug/L	100

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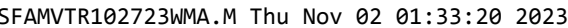
Instrument :
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 ClientSampleId :

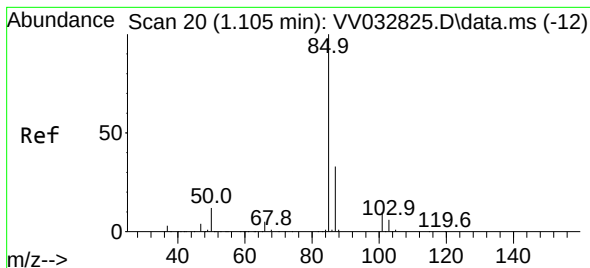
Quant Time: Nov 02 01:33:12 2023
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 02 01:31:24 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	73882	5.455	ug/L	98
29) 1,1,1-Trichloroethane	4.513	97	104351	5.390	ug/L	97
30) Cyclohexane	4.587	56	77816	4.769	ug/L	95
31) Carbon tetrachloride	4.738	117	91948	5.460	ug/L	99
33) Benzene	5.011	78	256561	5.423	ug/L	100
34) Trichloroethene	5.835	95	65729	5.201	ug/L	97
35) Methylcyclohexane	6.050	83	93560	4.954	ug/L	97
37) 1,2-Dichloropropane	6.095	63	63830	5.592	ug/L	97
38) Bromodichloromethane	6.436	83	84269	4.997	ug/L	100
39) cis-1,3-Dichloropropene	6.957	75	92373	5.315	ug/L	97
40) 4-Methyl-2-pentanone	7.162	43	391208	53.115	ug/L	98
42) Toluene	7.317	91	303981	5.531	ug/L	98
44) trans-1,3-Dichloropropene	7.584	75	81497	5.449	ug/L	95
45) 1,1,2-Trichloroethane	7.770	97	50331	5.221	ug/L	98
47) Tetrachloroethene	7.908	164	60609	5.427	ug/L	97
48) 2-Hexanone	8.079	43	281574	52.269	ug/L	97
49) Dibromochloromethane	8.178	129	62884	5.499	ug/L	99
50) 1,2-Dibromoethane	8.285	107	49731	5.527	ug/L	94
51) Chlorobenzene	8.815	112	194144	5.347	ug/L	98
52) Ethylbenzene	8.950	91	310724	5.378	ug/L	97
53) m,p-Xylene	9.076	106	122464	5.597	ug/L	100
54) o-Xylene	9.481	106	114514	5.396	ug/L	97
55) Styrene	9.500	104	207934	5.914	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.182	83	59782	5.316	ug/L	99
59) Bromoform	9.670	173	33394	5.269	ug/L	99
60) Isopropylbenzene	9.870	105	292011	5.326	ug/L	100
61) 1,2,3-Trichloropropane	10.214	75	41842	4.898	ug/L	98
62) 1,3,5-Trimethylbenzene	10.481	105	229078	5.111	ug/L	100
63) 1,2,4-Trimethylbenzene	10.854	105	234319	5.291	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	156623	5.324	ug/L	99
65) 1,4-Dichlorobenzene	11.211	146	156901	5.373	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	149144	5.513	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	9130	4.472	ug/L	93
69) 1,3,5-Trichlorobenzene	12.587	180	108357	5.161	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	88248	4.953	ug/L	98
71) Naphthalene	13.442	128	121585	4.306	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	77098	4.921	ug/L	98

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

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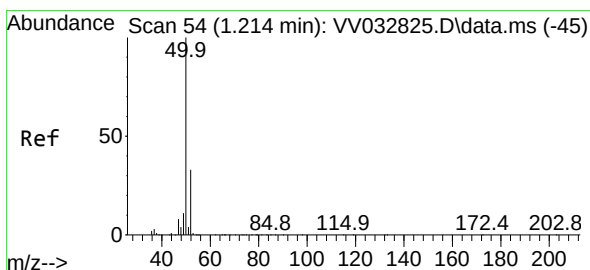
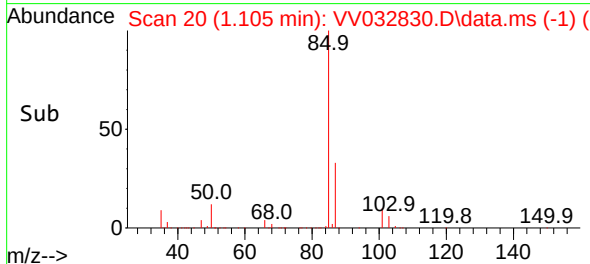
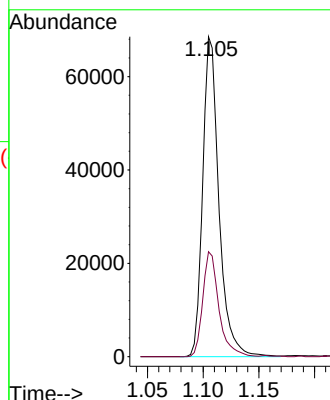
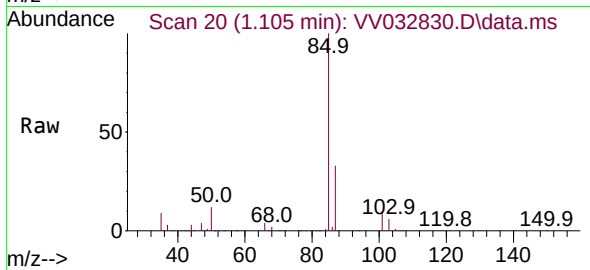




#2
 Dichlorodifluoromethane
 Concen: 5.285 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV032830.D
 Acq: 01 Nov 2023 17:47

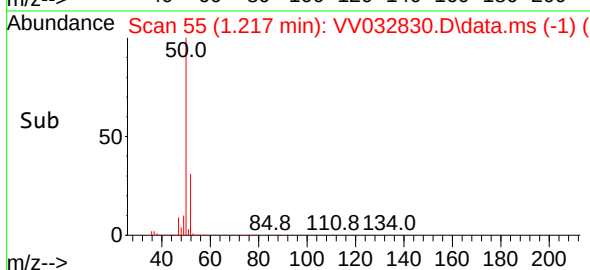
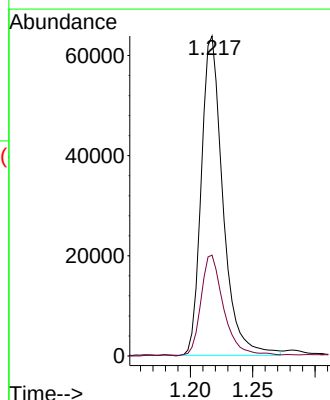
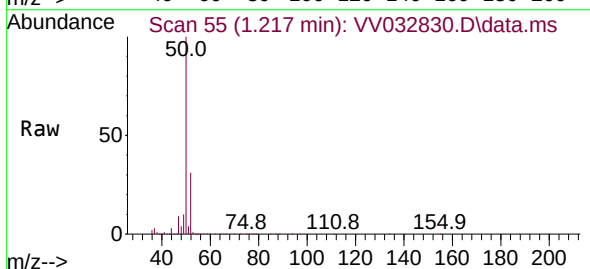
Instrument :
 MSVOA_V
 ClientSampleId :

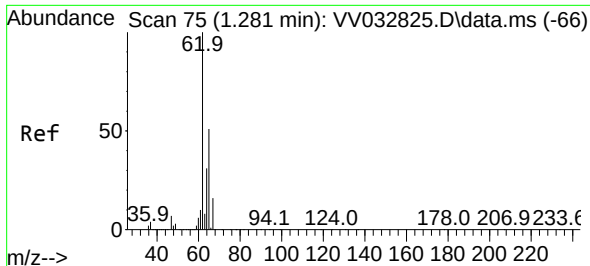
Tgt Ion: 85 Resp: 69392
 Ion Ratio Lower Upper
 85 100
 87 32.7 25.9 38.9



#3
 Chloromethane
 Concen: 4.982 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.003 min
 Lab File: VV032830.D
 Acq: 01 Nov 2023 17:47

Tgt Ion: 50 Resp: 77177
 Ion Ratio Lower Upper
 50 100
 52 31.5 22.3 41.5

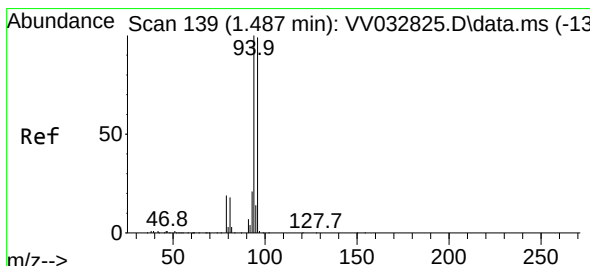
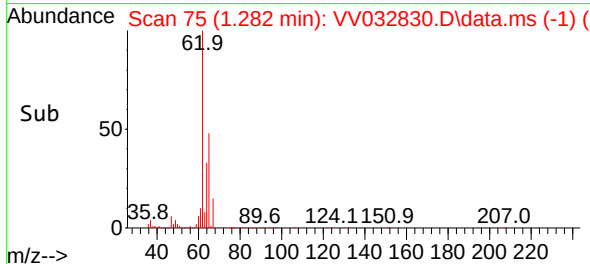
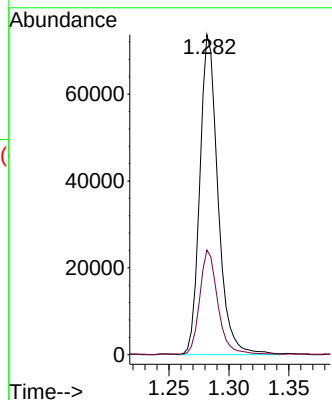
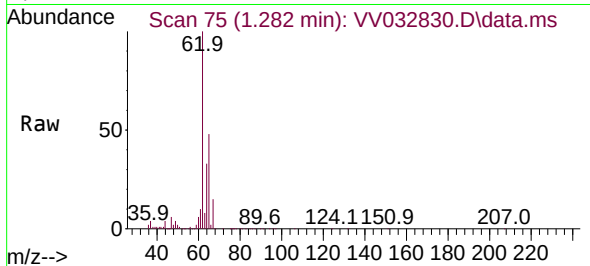




#5
 Vinyl chloride
 Concen: 5.065 ug/L
 RT: 1.282 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VV032830.D
 Acq: 01 Nov 2023 17:47

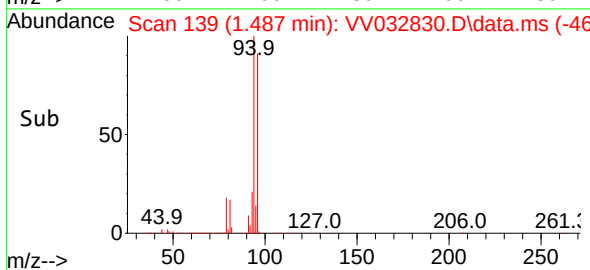
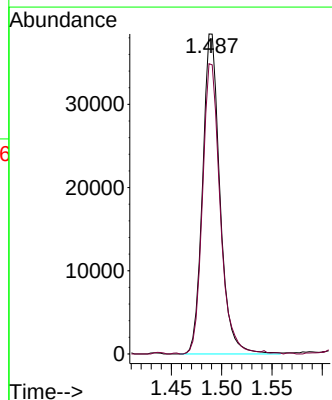
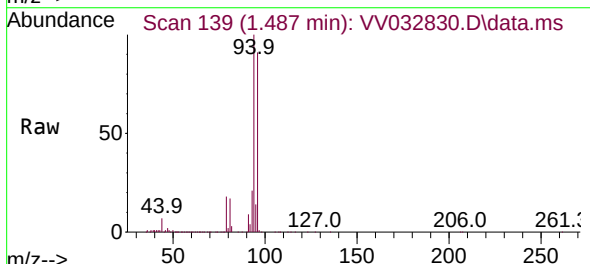
Instrument :
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 ClientSampleId :

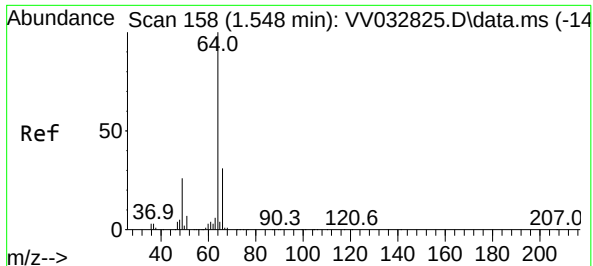
Tgt Ion: 62 Resp: 77856
 Ion Ratio Lower Upper
 62 100
 64 32.7 23.2 43.0



#6
 Bromomethane
 Concen: 5.147 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.000 min
 Lab File: VV032830.D
 Acq: 01 Nov 2023 17:47

Tgt Ion: 94 Resp: 46172
 Ion Ratio Lower Upper
 94 100
 96 90.7 66.4 123.2

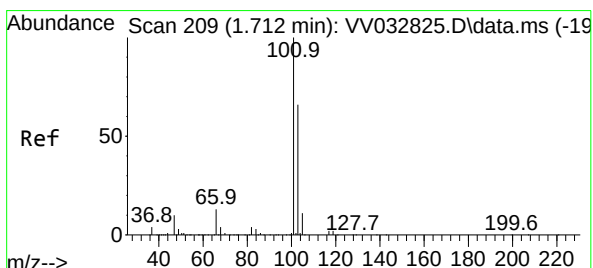
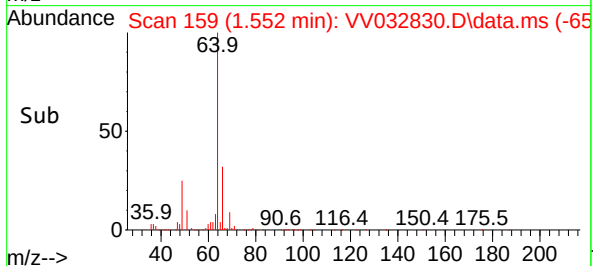
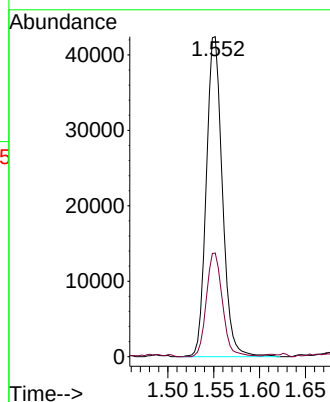
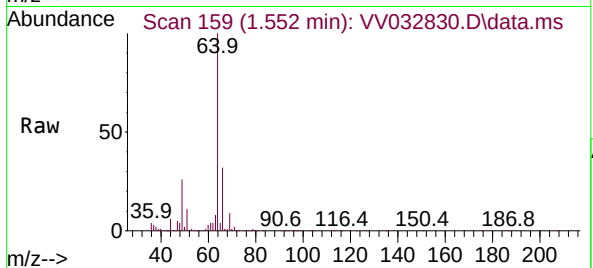




#8
Chloroethane
Concen: 5.156 ug/L
RT: 1.552 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV032830.D
Acq: 01 Nov 2023 17:47

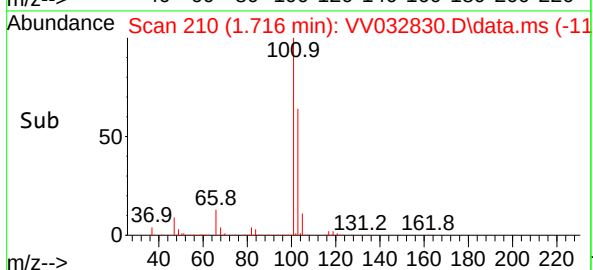
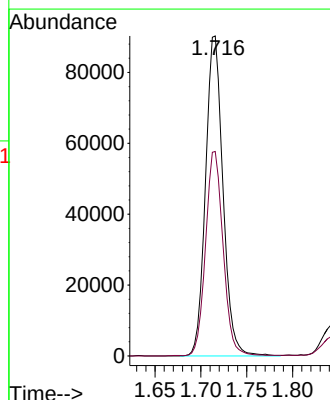
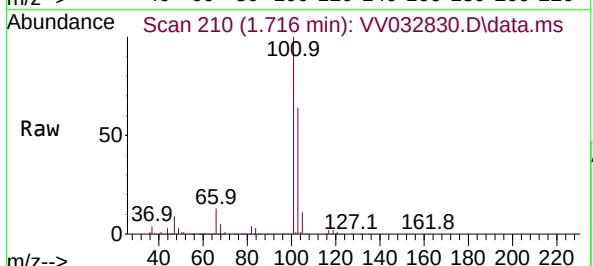
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ClientSampleId :

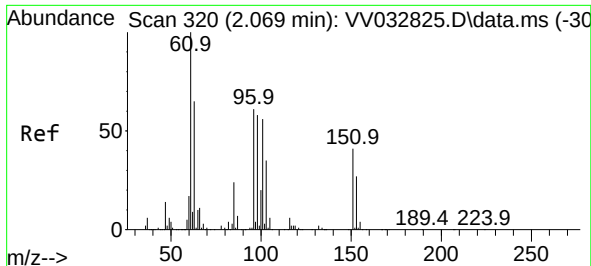
Tgt Ion: 64 Resp: 51830
Ion Ratio Lower Upper
64 100
66 32.4 22.3 41.5



#9
Trichlorofluoromethane
Concen: 5.776 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.003 min
Lab File: VV032830.D
Acq: 01 Nov 2023 17:47

Tgt Ion:101 Resp: 119535
Ion Ratio Lower Upper
101 100
103 64.5 52.1 78.1

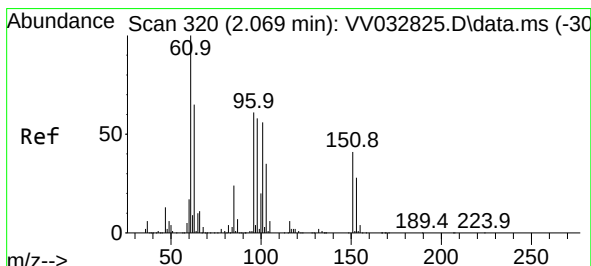
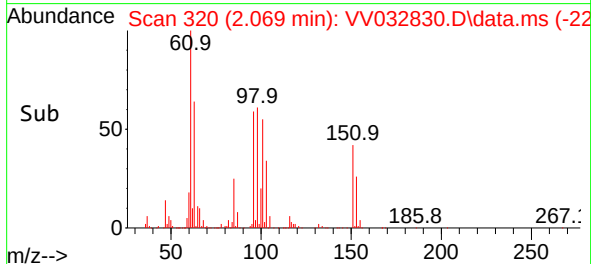
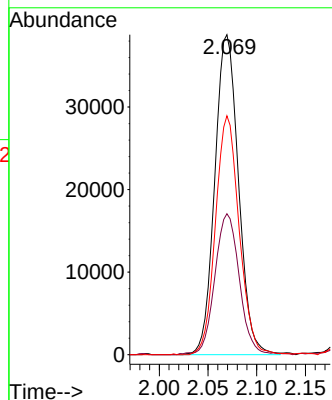
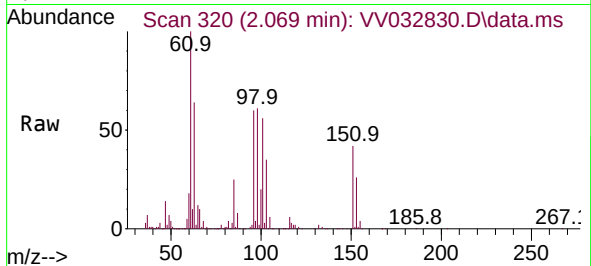




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.381 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV032830.D
 Acq: 01 Nov 2023 17:47

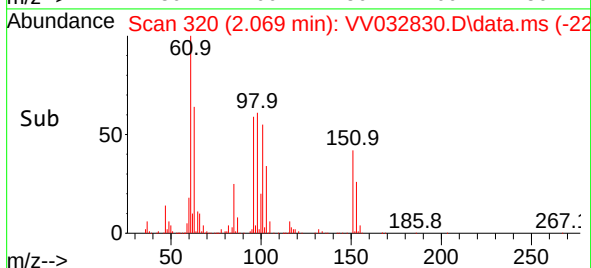
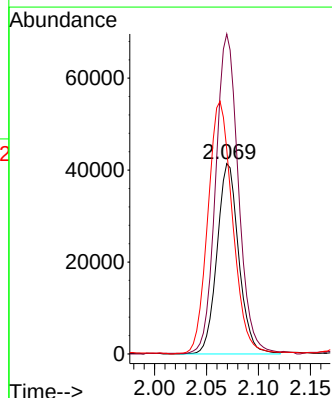
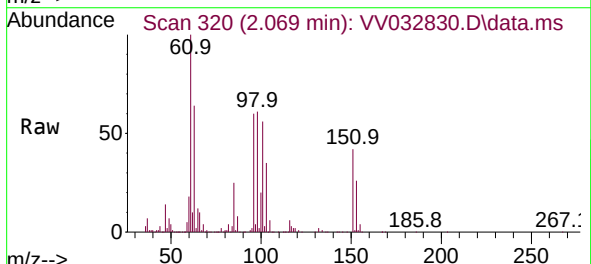
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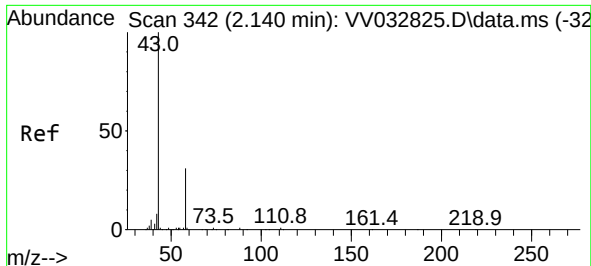
Tgt Ion:101 Resp: 65666
 Ion Ratio Lower Upper
 101 100
 85 45.5 36.2 54.4
 151 74.6 59.0 88.6



#12
 1,1-Dichloroethene
 Concen: 5.268 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. 0.000 min
 Lab File: VV032830.D
 Acq: 01 Nov 2023 17:47

Tgt Ion: 96 Resp: 60226
 Ion Ratio Lower Upper
 96 100
 61 168.0 122.3 227.1
 63 107.4 89.4 166.0





#13

Acetone

Concen: 48.520 ug/L

RT: 2.137 min Scan# 34

Delta R.T. -0.003 min

Lab File: VV032830.D

Acq: 01 Nov 2023 17:47

Instrument :

MSVOA_V

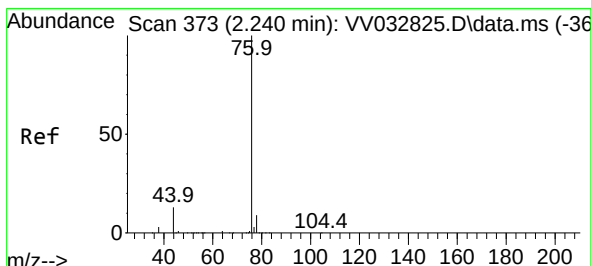
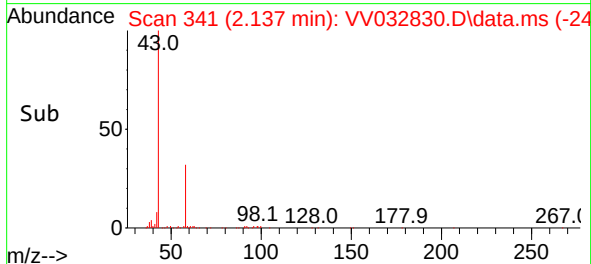
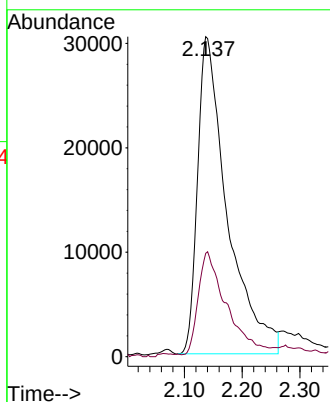
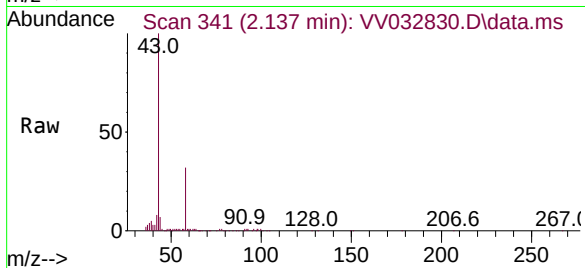
ClientSampleId :

Tgt Ion: 43 Resp: 108662

Ion Ratio Lower Upper

43 100

58 30.9 0.0 50.6



#14

Carbon disulfide

Concen: 5.288 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.000 min

Lab File: VV032830.D

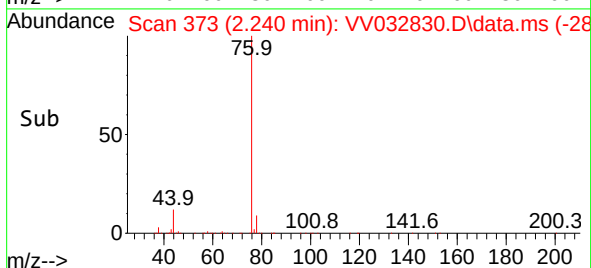
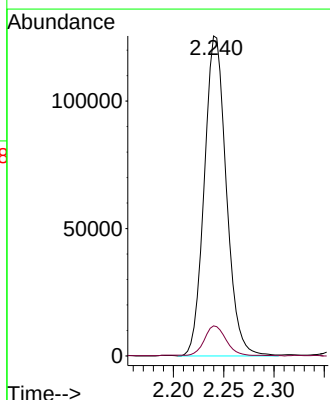
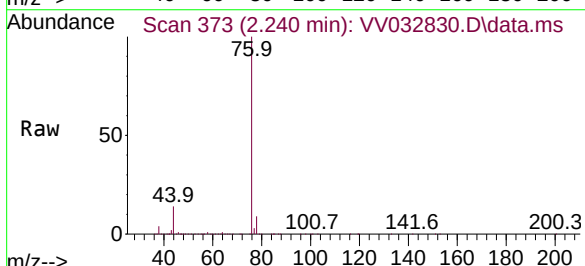
Acq: 01 Nov 2023 17:47

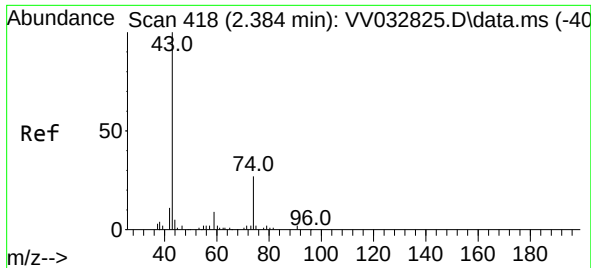
Tgt Ion: 76 Resp: 191532

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.2

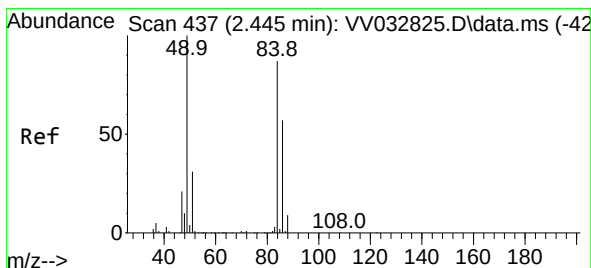
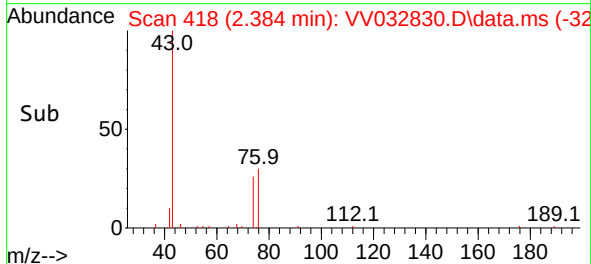
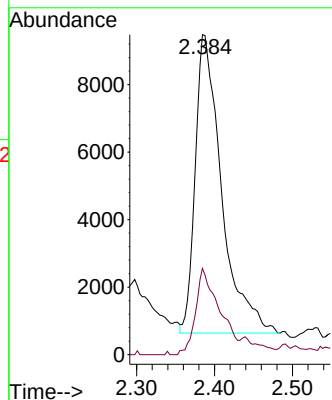
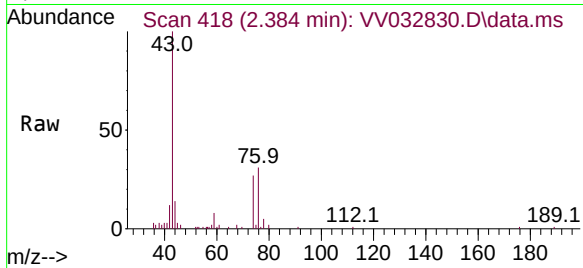




#15
Methyl Acetate
Concen: 4.637 ug/L
RT: 2.384 min Scan# 418
Delta R.T. 0.000 min
Lab File: VV032830.D
Acq: 01 Nov 2023 17:47

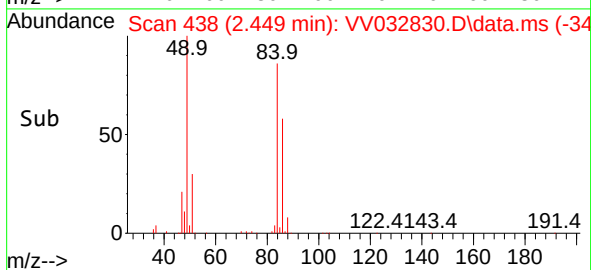
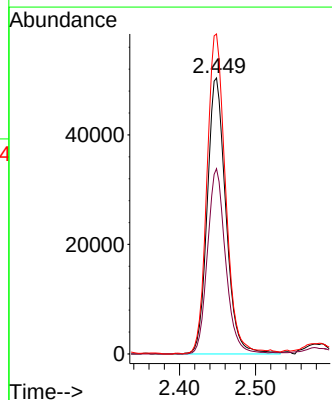
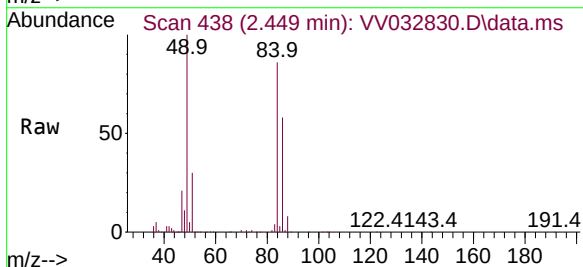
Instrument :
MSVOA_V
ClientSampleId :

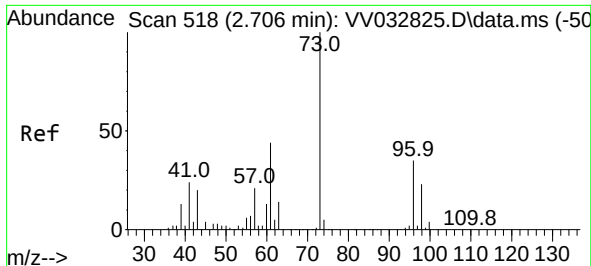
Tgt Ion: 43 Resp: 20797
Ion Ratio Lower Upper
43 100
74 25.9 23.1 34.7



#16
Methylene chloride
Concen: 6.079 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.003 min
Lab File: VV032830.D
Acq: 01 Nov 2023 17:47

Tgt Ion: 84 Resp: 85541
Ion Ratio Lower Upper
84 100
86 67.1 44.8 83.2
49 115.9 81.1 150.5





#17

Methyl tert-butyl Ether

Concen: 5.252 ug/L

RT: 2.706 min Scan# 518

Delta R.T. 0.000 min

Lab File: VV032830.D

Acq: 01 Nov 2023 17:47

Instrument :

MSVOA_V

ClientSampleId :

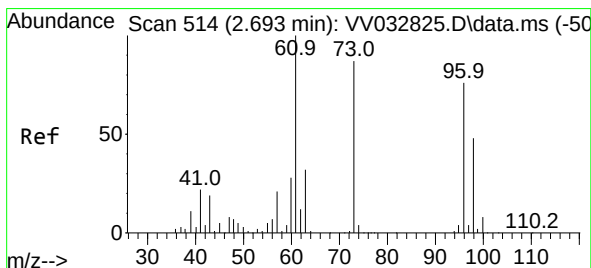
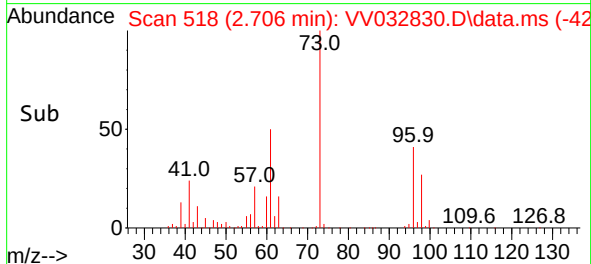
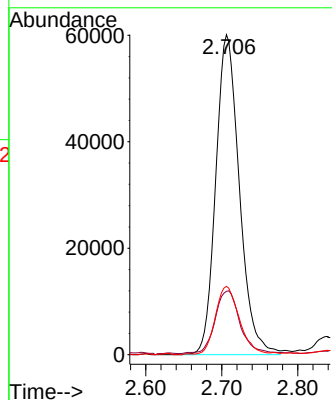
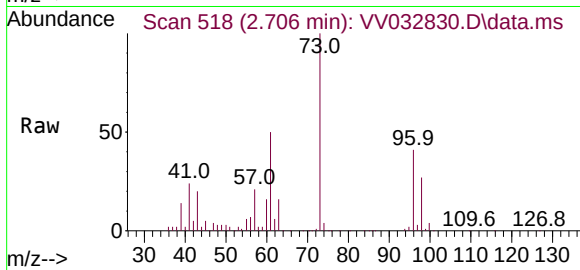
Tgt Ion: 73 Resp: 129622

Ion Ratio Lower Upper

73 100

43 22.2 16.6 24.8

57 21.7 18.1 27.1



#18

trans-1,2-Dichloroethene

Concen: 5.678 ug/L

RT: 2.696 min Scan# 515

Delta R.T. 0.003 min

Lab File: VV032830.D

Acq: 01 Nov 2023 17:47

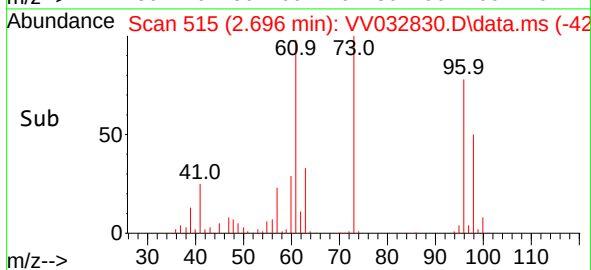
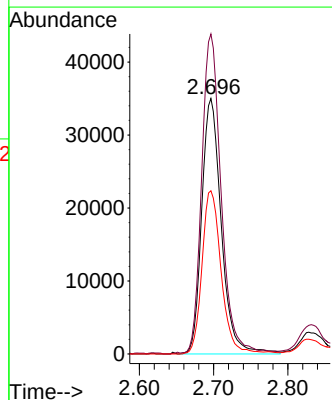
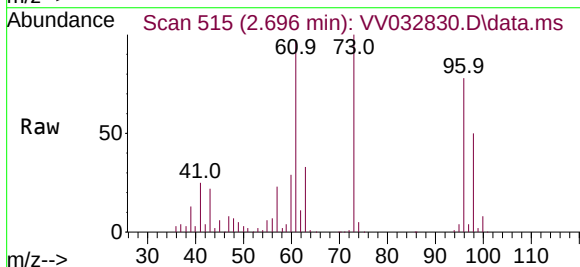
Tgt Ion: 96 Resp: 64194

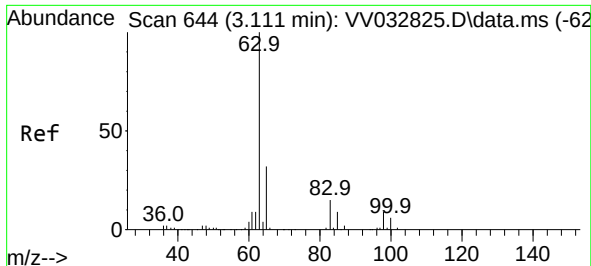
Ion Ratio Lower Upper

96 100

61 125.3 88.7 164.7

98 63.9 44.4 82.4





#19

1,1-Dichloroethane

Concen: 5.329 ug/L

RT: 3.114 min Scan# 644

Delta R.T. 0.003 min

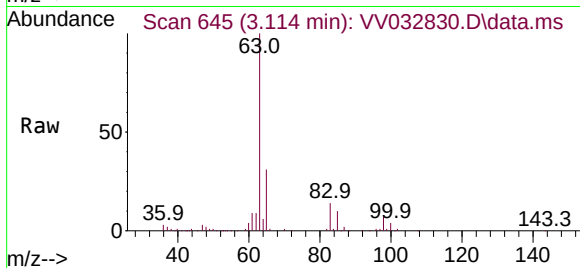
Lab File: VV032830.D

Acq: 01 Nov 2023 17:47

Instrument :

MSVOA_V

ClientSampleId :



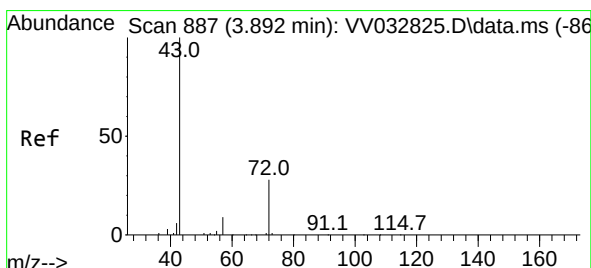
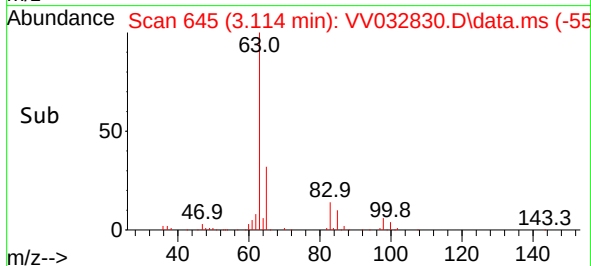
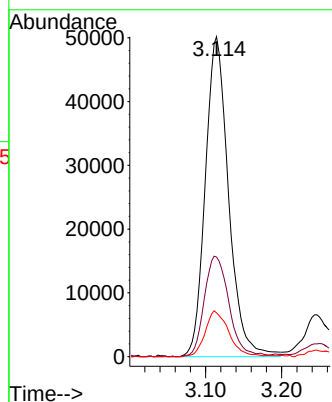
Tgt Ion: 63 Resp: 106809

Ion Ratio Lower Upper

63 100

65 31.2 21.5 39.9

83 13.7 9.2 17.0



#21

2-Butanone

Concen: 50.629 ug/L

RT: 3.889 min Scan# 886

Delta R.T. -0.003 min

Lab File: VV032830.D

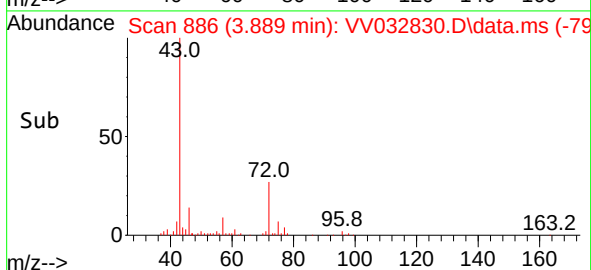
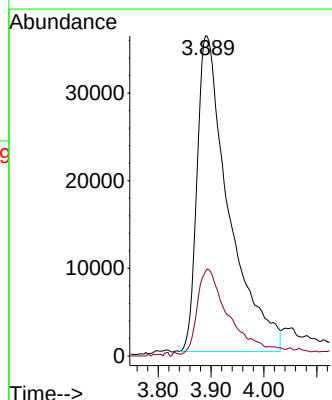
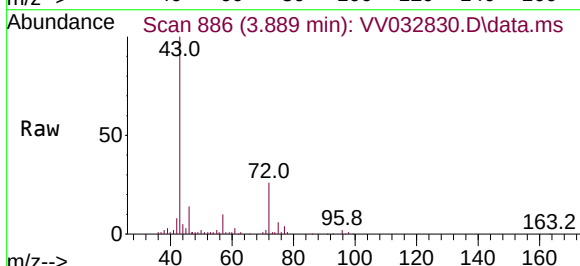
Acq: 01 Nov 2023 17:47

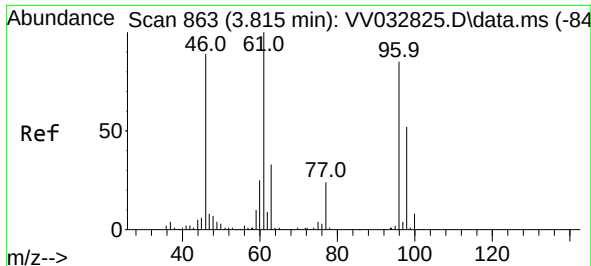
Tgt Ion: 43 Resp: 149905

Ion Ratio Lower Upper

43 100

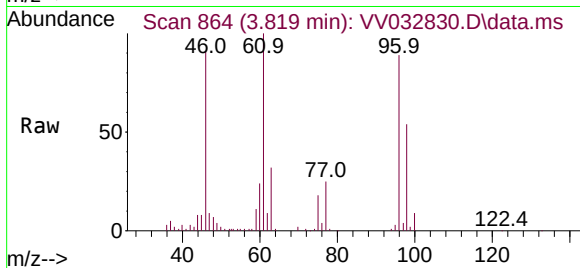
72 26.4 10.4 31.2





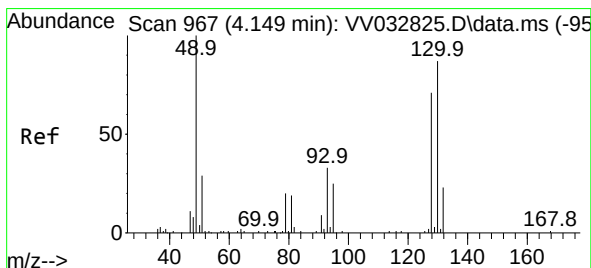
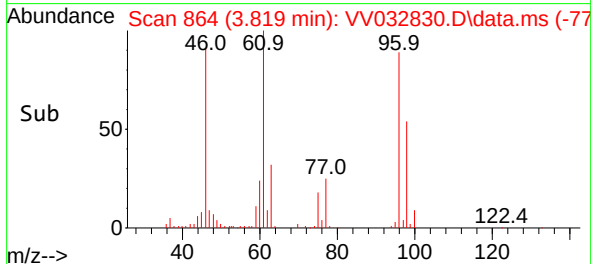
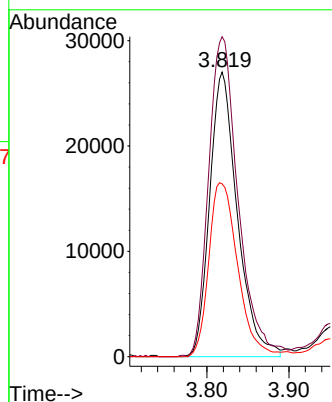
#22
 cis-1,2-Dichloroethene
 Concen: 5.534 ug/L
 RT: 3.819 min Scan# 863
 Delta R.T. 0.003 min
 Lab File: VV032830.D
 Acq: 01 Nov 2023 17:47

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 96 Resp: 63427

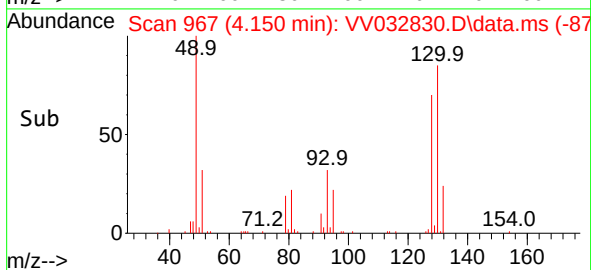
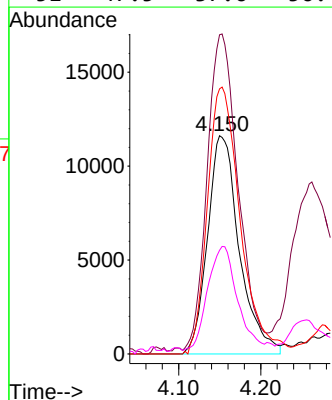
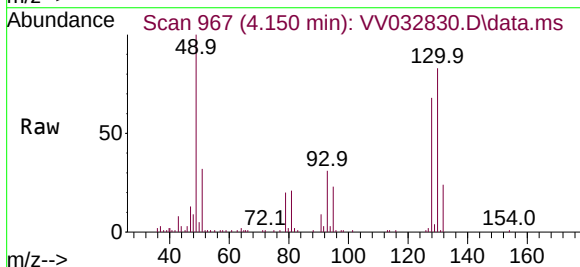
Ion	Ratio	Lower	Upper
96	100		
61	112.4	87.7	162.9
98	60.7	45.0	83.6

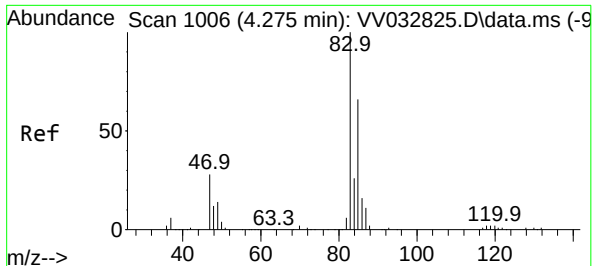


#23
 Bromochloromethane
 Concen: 5.854 ug/L
 RT: 4.150 min Scan# 967
 Delta R.T. 0.000 min
 Lab File: VV032830.D
 Acq: 01 Nov 2023 17:47

Tgt Ion: 128 Resp: 31210

Ion	Ratio	Lower	Upper
128	100		
49	146.3	110.4	205.0
130	121.5	86.8	161.2
51	47.5	37.6	56.4





#25

Chloroform

Concen: 5.657 ug/L

RT: 4.278 min Scan# 1006

Delta R.T. 0.003 min

Lab File: VV032830.D

Acq: 01 Nov 2023 17:47

Instrument :

MSVOA_V

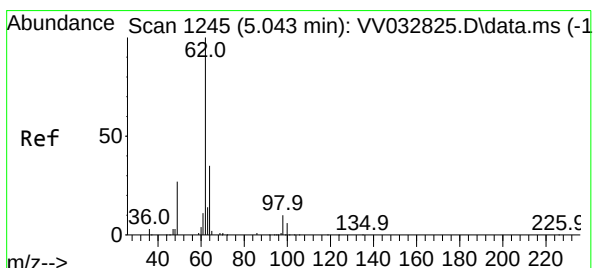
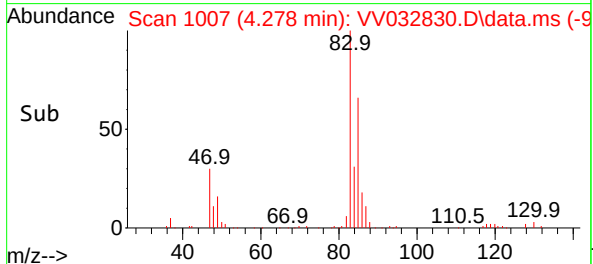
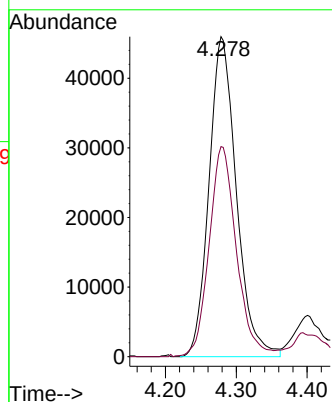
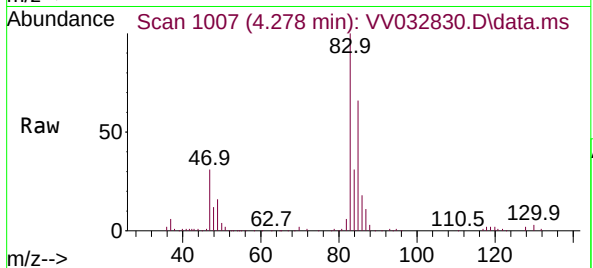
ClientSampleId :

Tgt Ion: 83 Resp: 123274

Ion Ratio Lower Upper

83 100

85 65.6 45.7 84.9



#27

1,2-Dichloroethane

Concen: 5.455 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. 0.003 min

Lab File: VV032830.D

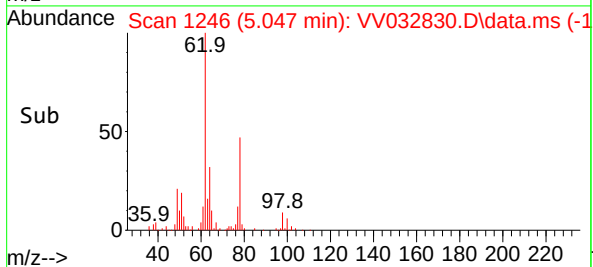
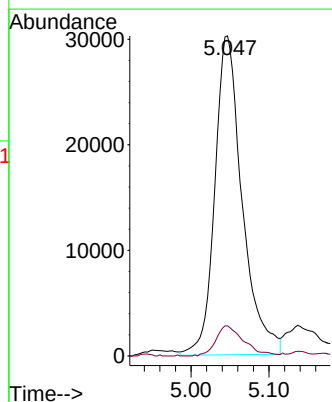
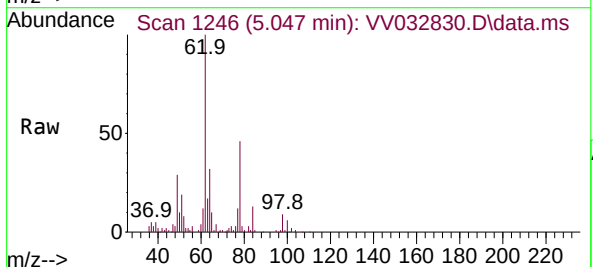
Acq: 01 Nov 2023 17:47

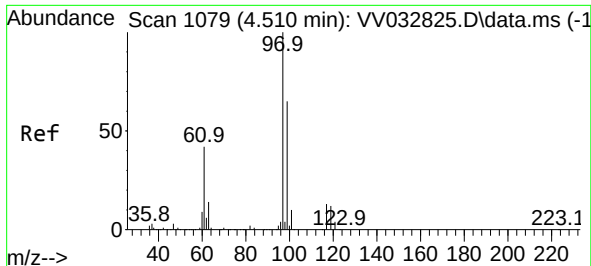
Tgt Ion: 62 Resp: 73882

Ion Ratio Lower Upper

62 100

98 9.4 7.0 10.4





#29

1,1,1-Trichloroethane

Concen: 5.390 ug/L

RT: 4.513 min Scan# 1079

Delta R.T. 0.003 min

Lab File: VV032830.D

Acq: 01 Nov 2023 17:47

Instrument :

MSVOA_V

ClientSampleId :

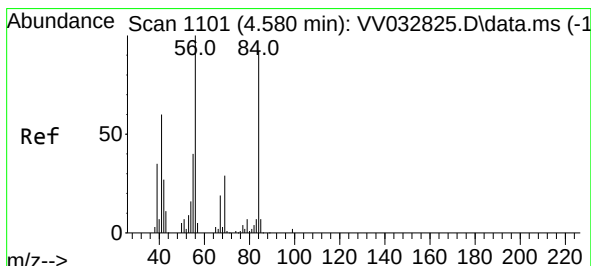
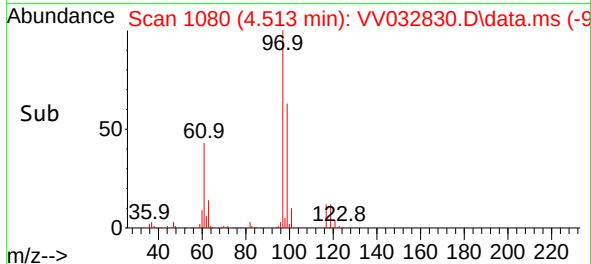
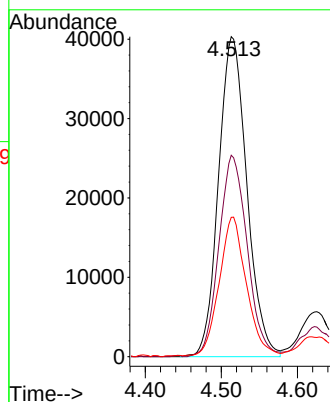
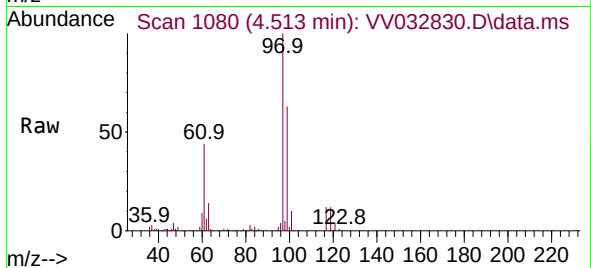
Tgt Ion: 97 Resp: 104351

Ion Ratio Lower Upper

97 100

99 63.0 51.4 77.0

61 41.5 36.1 54.1



#30

Cyclohexane

Concen: 4.769 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. 0.007 min

Lab File: VV032830.D

Acq: 01 Nov 2023 17:47

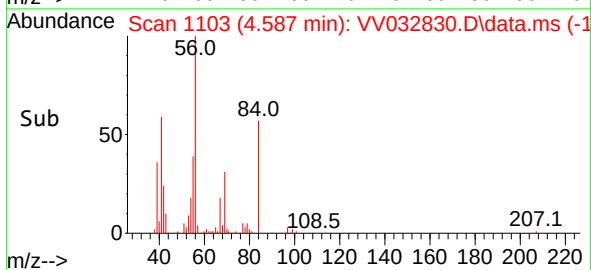
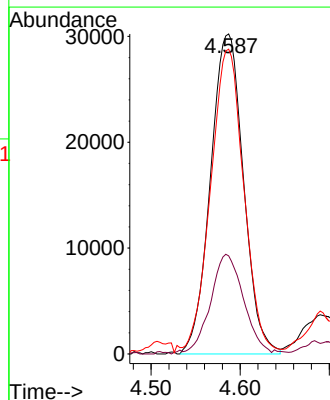
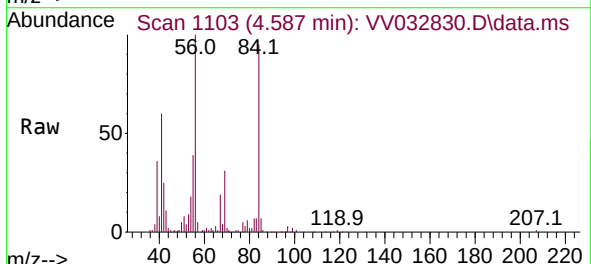
Tgt Ion: 56 Resp: 77816

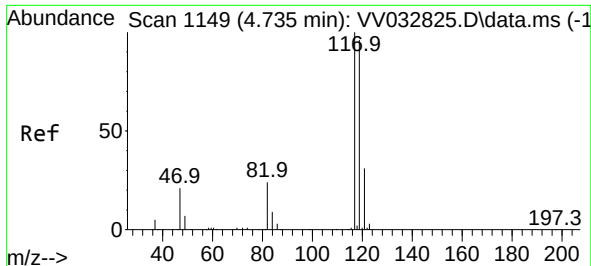
Ion Ratio Lower Upper

56 100

69 30.0 25.0 37.6

84 96.3 72.9 109.3

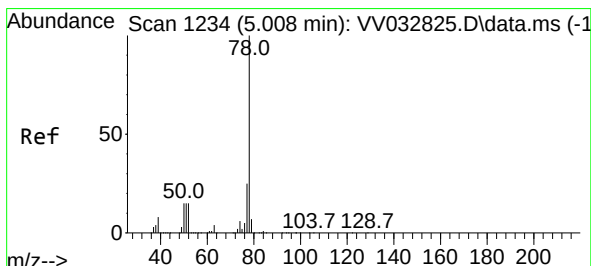
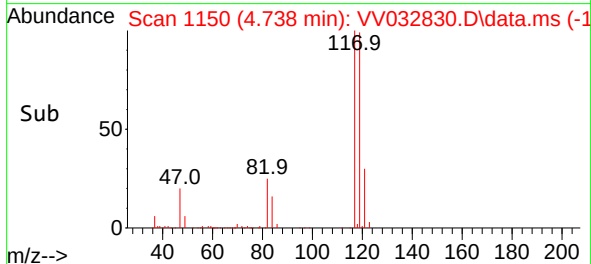
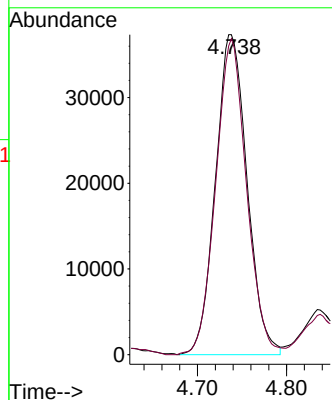
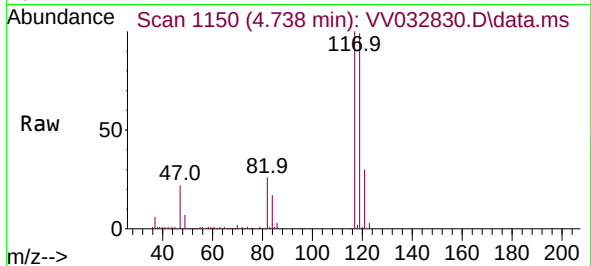




#31
Carbon tetrachloride
Concen: 5.460 ug/L
RT: 4.738 min Scan# 1149
Delta R.T. 0.003 min
Lab File: VV032830.D
Acq: 01 Nov 2023 17:47

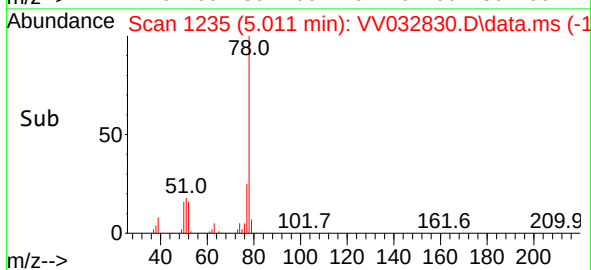
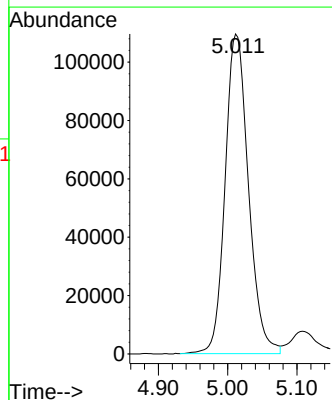
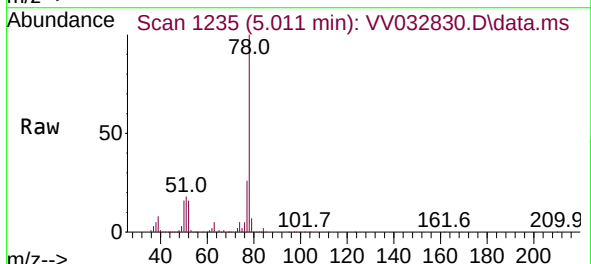
Instrument :
MSVOA_V
ClientSampleId :

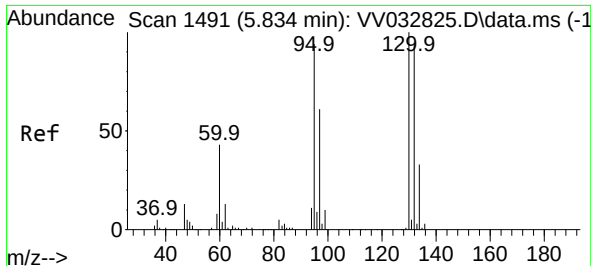
Tgt Ion:117 Resp: 91948
Ion Ratio Lower Upper
117 100
119 96.3 77.8 116.6



#33
Benzene
Concen: 5.423 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.003 min
Lab File: VV032830.D
Acq: 01 Nov 2023 17:47

Tgt Ion: 78 Resp: 256561





#34

Trichloroethene

Concen: 5.201 ug/L

RT: 5.835 min Scan# 1491

Delta R.T. 0.000 min

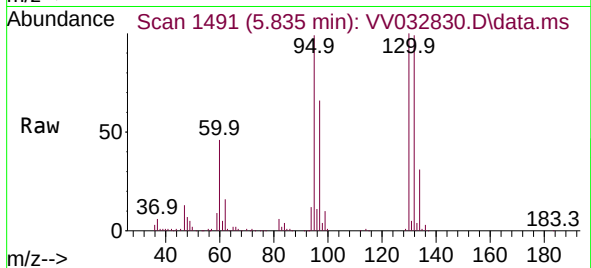
Lab File: VV032830.D

Acq: 01 Nov 2023 17:47

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 95 Resp: 65729

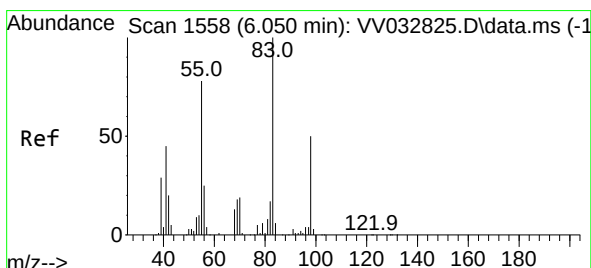
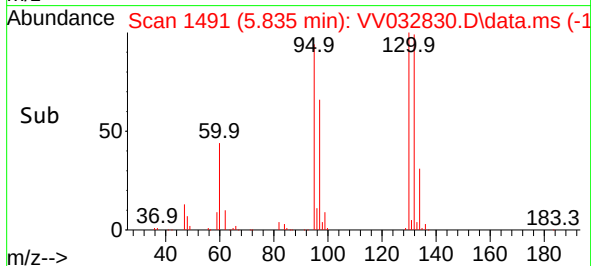
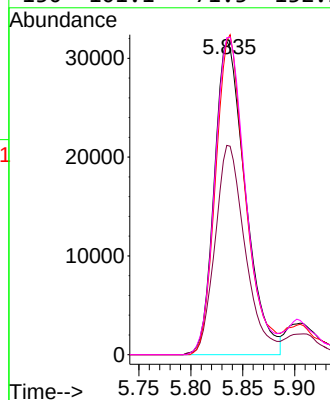
Ion Ratio Lower Upper

95 100

97 66.8 44.0 81.8

132 100.2 66.9 124.3

130 101.1 71.3 132.3



#35

Methylcyclohexane

Concen: 4.954 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. 0.000 min

Lab File: VV032830.D

Acq: 01 Nov 2023 17:47

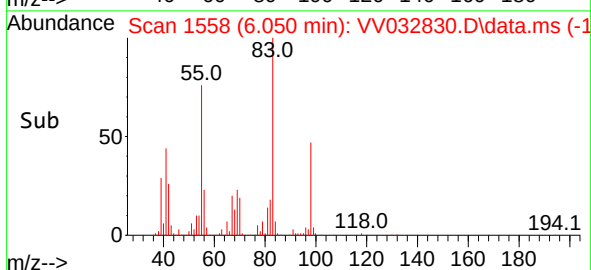
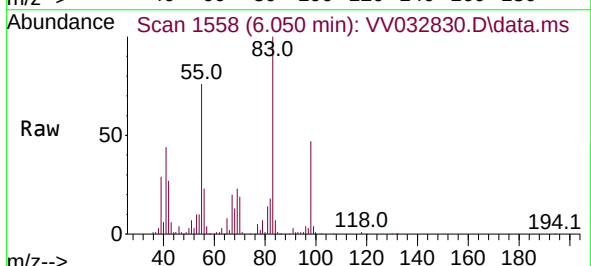
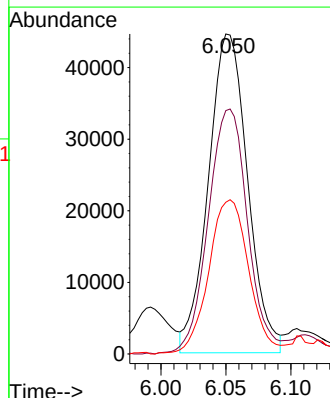
Tgt Ion: 83 Resp: 93560

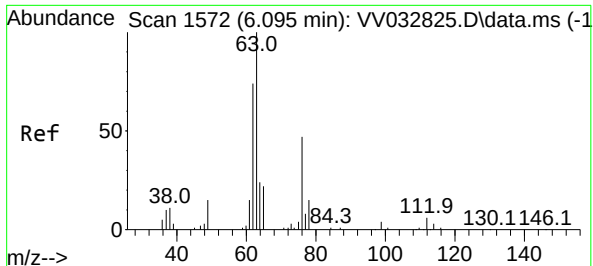
Ion Ratio Lower Upper

83 100

55 77.7 59.6 89.4

98 49.5 39.1 58.7





#37

1,2-Dichloropropane

Concen: 5.592 ug/L

RT: 6.095 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV032830.D

Acq: 01 Nov 2023 17:47

Instrument :

MSVOA_V

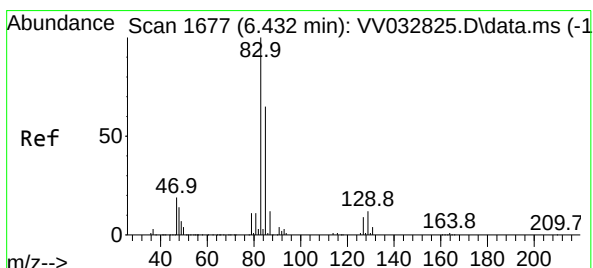
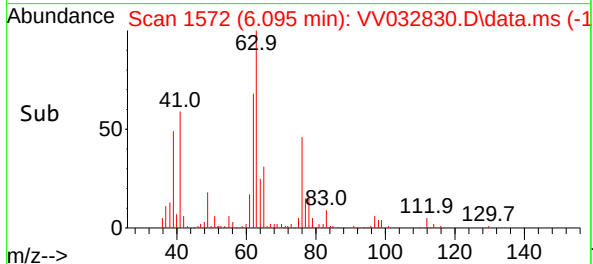
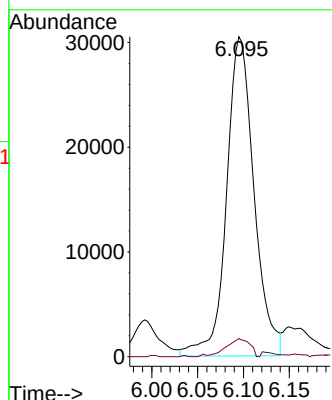
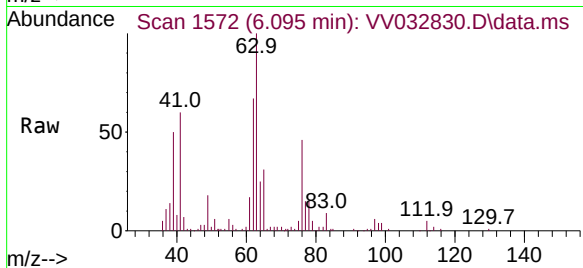
ClientSampleId :

Tgt Ion: 63 Resp: 63830

Ion Ratio Lower Upper

63 100

112 4.8 4.6 7.0



#38

Bromodichloromethane

Concen: 4.997 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.003 min

Lab File: VV032830.D

Acq: 01 Nov 2023 17:47

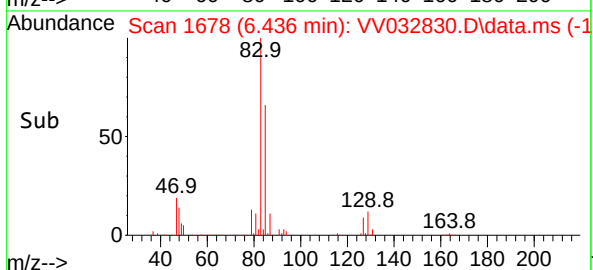
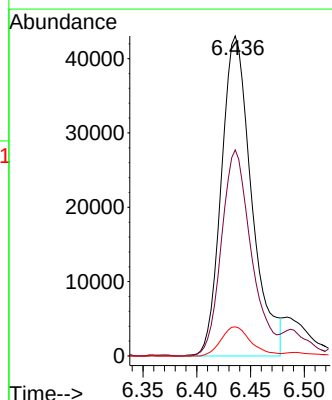
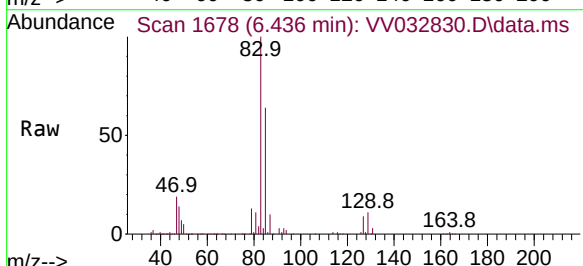
Tgt Ion: 83 Resp: 84269

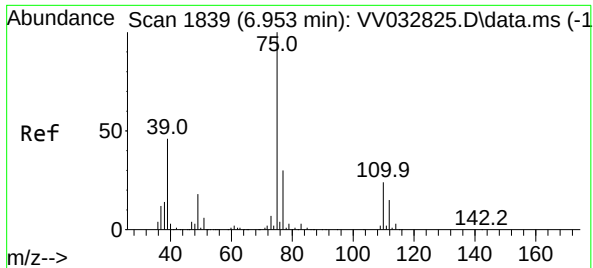
Ion Ratio Lower Upper

83 100

85 64.4 44.9 83.5

127 9.1 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 5.315 ug/L

RT: 6.957 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV032830.D

Acq: 01 Nov 2023 17:47

Instrument :

MSVOA_V

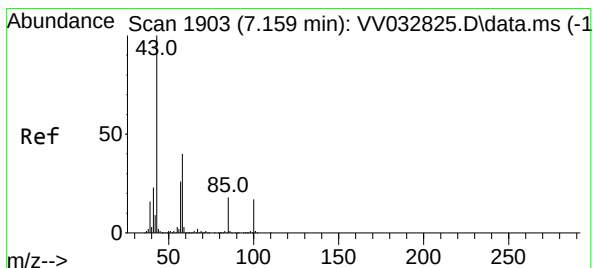
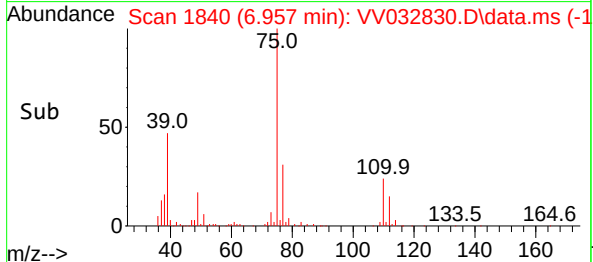
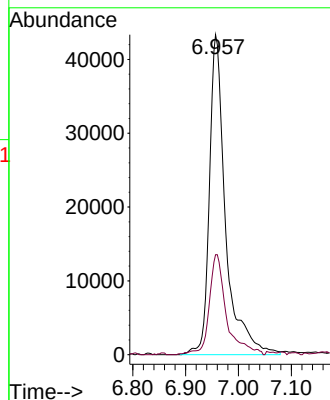
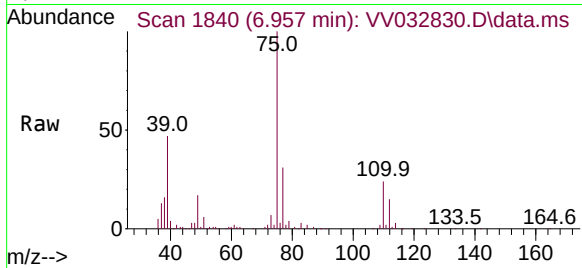
ClientSampleId :

Tgt Ion: 75 Resp: 92373

Ion Ratio Lower Upper

75 100

77 31.2 23.2 43.2



#40

4-Methyl-2-pentanone

Concen: 53.115 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.003 min

Lab File: VV032830.D

Acq: 01 Nov 2023 17:47

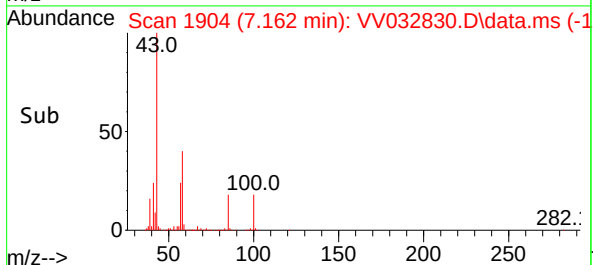
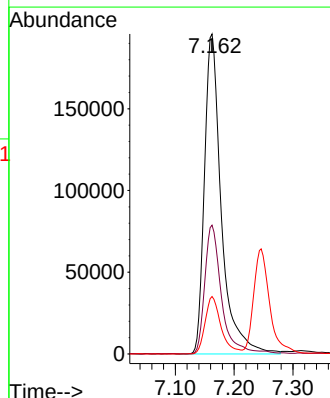
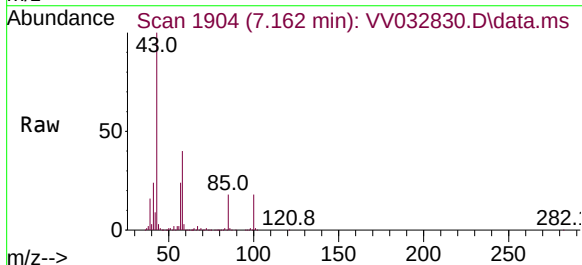
Tgt Ion: 43 Resp: 391208

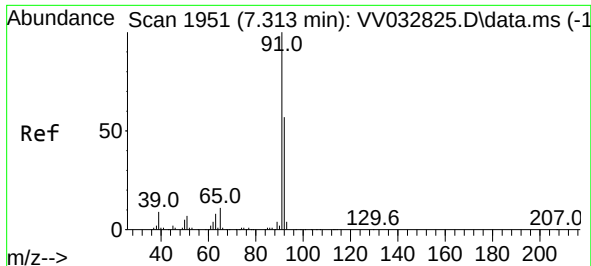
Ion Ratio Lower Upper

43 100

58 40.1 31.3 46.9

100 17.0 12.2 18.4

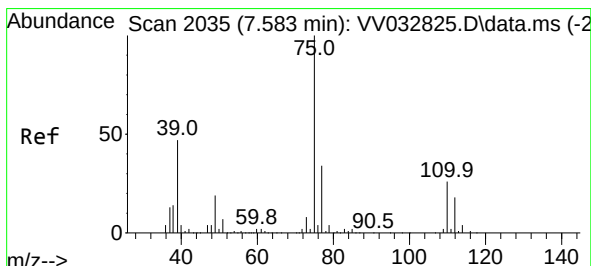
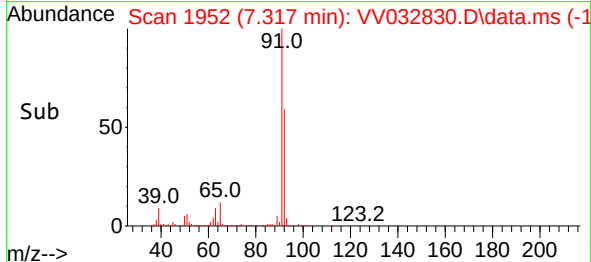
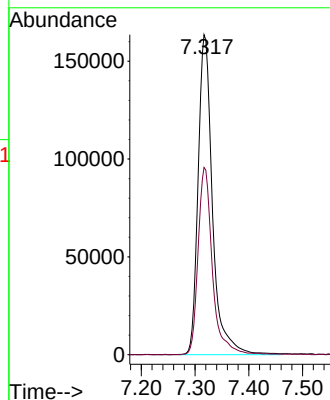
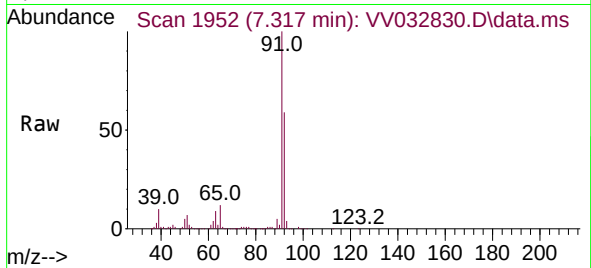




#42
Toluene
Concen: 5.531 ug/L
RT: 7.317 min Scan# 1951
Delta R.T. 0.003 min
Lab File: VV032830.D
Acq: 01 Nov 2023 17:47

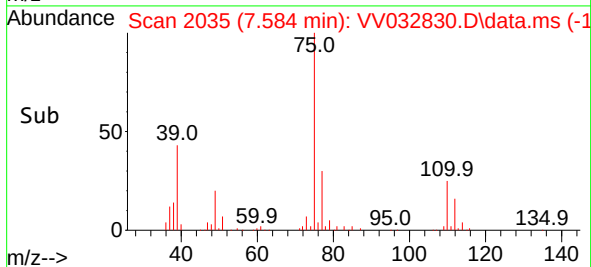
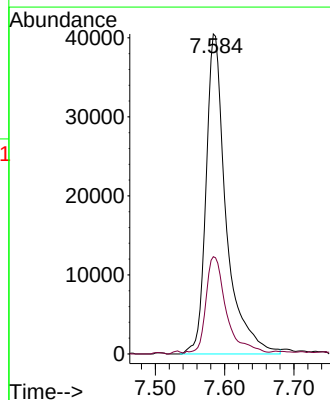
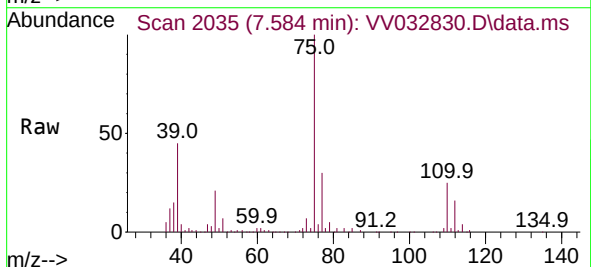
Instrument :
MSVOA_V
ClientSampleId :

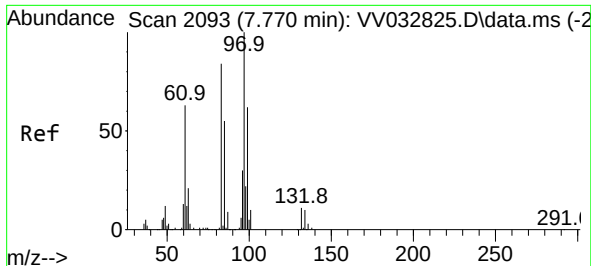
Tgt Ion: 91 Resp: 303981
Ion Ratio Lower Upper
91 100
92 58.5 39.9 74.1



#44
trans-1,3-Dichloropropene
Concen: 5.449 ug/L
RT: 7.584 min Scan# 2035
Delta R.T. 0.000 min
Lab File: VV032830.D
Acq: 01 Nov 2023 17:47

Tgt Ion: 75 Resp: 81497
Ion Ratio Lower Upper
75 100
77 30.4 23.4 43.4





#45

1,1,2-Trichloroethane

Concen: 5.221 ug/L

RT: 7.770 min Scan# 2093

Delta R.T. 0.000 min

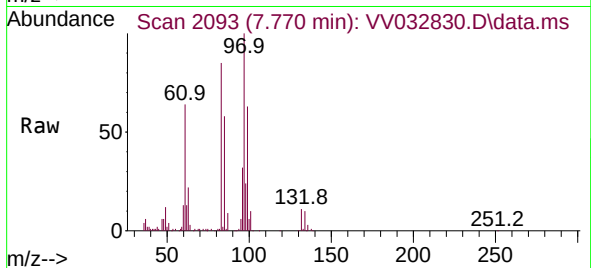
Lab File: VV032830.D

Acq: 01 Nov 2023 17:47

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 97 Resp: 50331

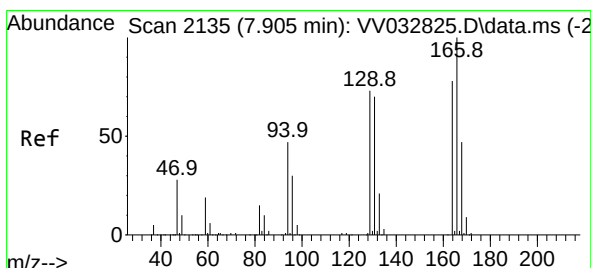
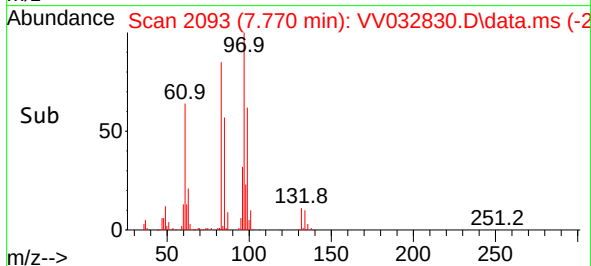
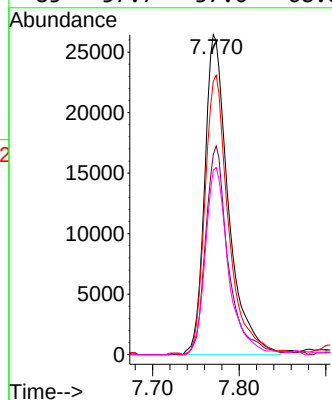
Ion Ratio Lower Upper

97 100

99 62.6 44.0 81.8

83 85.4 59.9 111.3

85 57.7 37.0 68.8



#47

Tetrachloroethene

Concen: 5.427 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. 0.003 min

Lab File: VV032830.D

Acq: 01 Nov 2023 17:47

Tgt Ion: 164 Resp: 60609

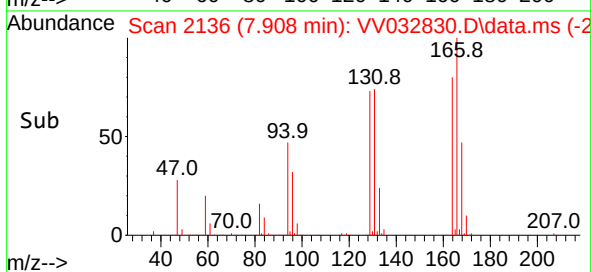
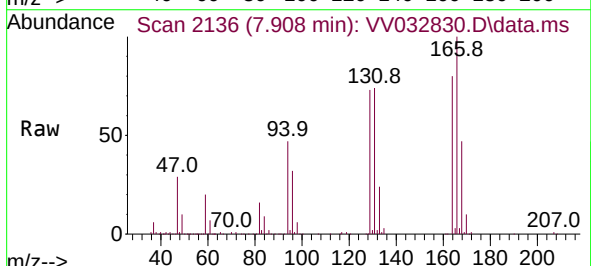
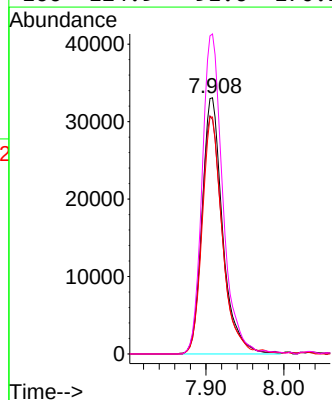
Ion Ratio Lower Upper

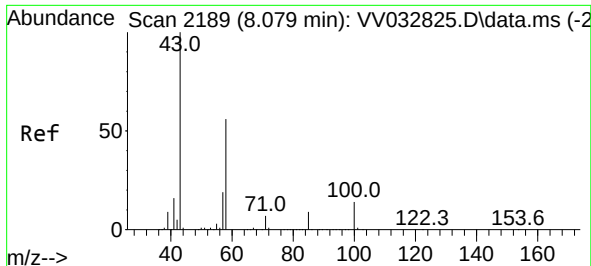
164 100

129 91.5 65.3 121.3

131 92.5 66.6 123.8

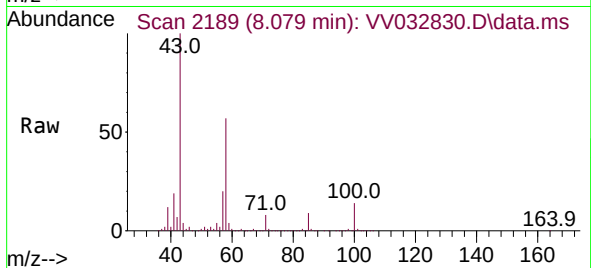
166 124.9 91.6 170.2



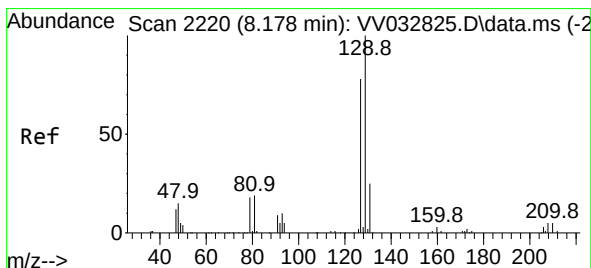
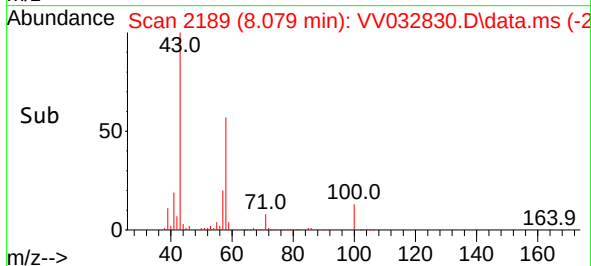
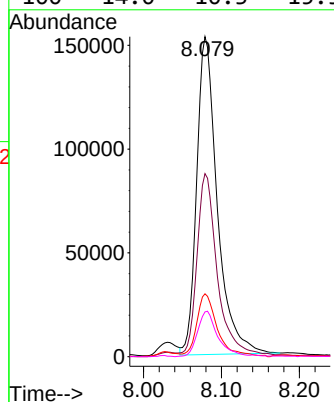


#48
2-Hexanone
Concen: 52.269 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. 0.000 min
Lab File: VV032830.D
Acq: 01 Nov 2023 17:47

Instrument :
MSVOA_V
ClientSampleId :

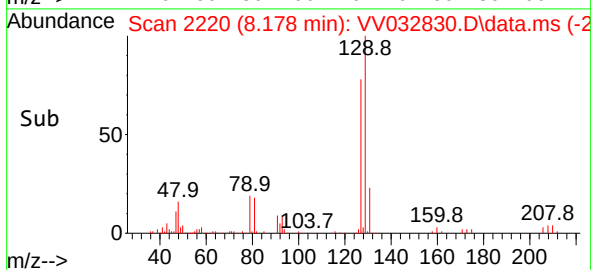
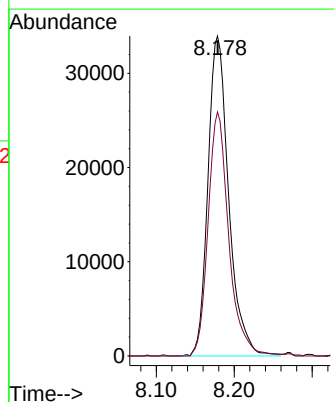
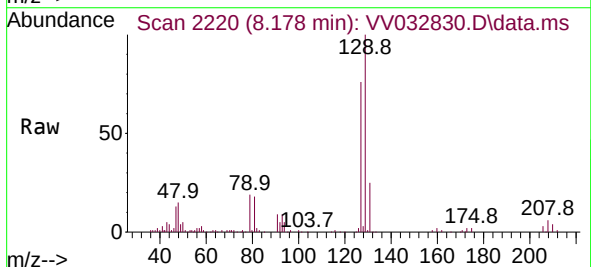


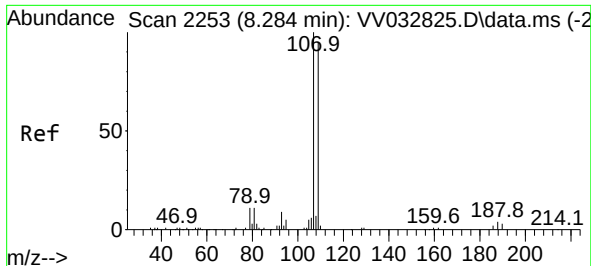
Tgt Ion:	43	Resp:	281574
Ion	Ratio	Lower	Upper
43	100		
58	56.9	43.8	65.6
57	19.8	15.1	22.7
100	14.0	10.3	15.5



#49
Dibromochloromethane
Concen: 5.499 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.000 min
Lab File: VV032830.D
Acq: 01 Nov 2023 17:47

Tgt Ion:	129	Resp:	62884
Ion	Ratio	Lower	Upper
129	100		
127	76.2	54.0	100.4

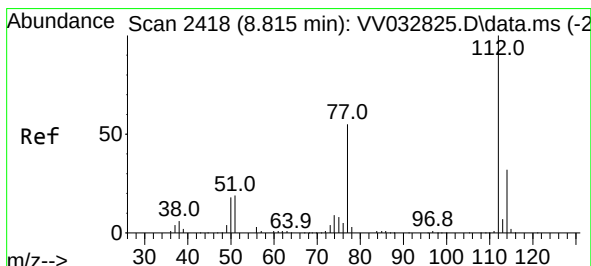
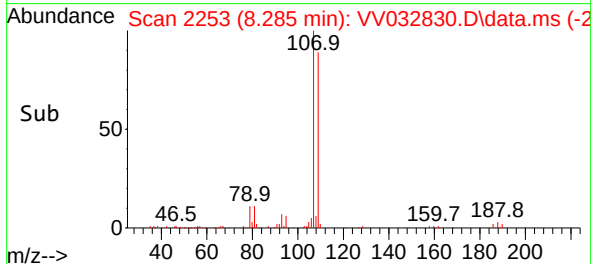
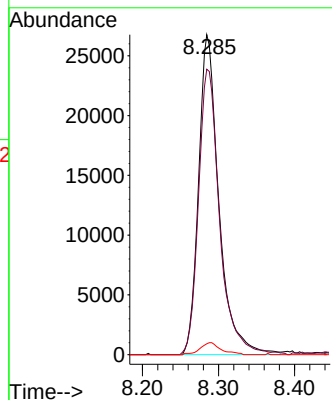
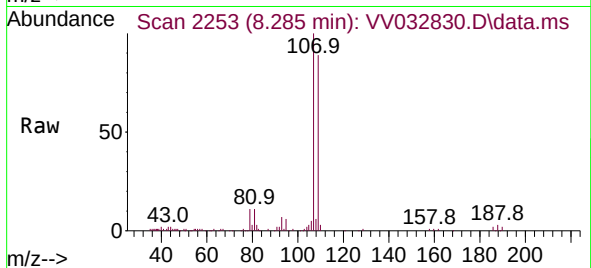




#50
1,2-Dibromoethane
Concen: 5.527 ug/L
RT: 8.285 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV032830.D
Acq: 01 Nov 2023 17:47

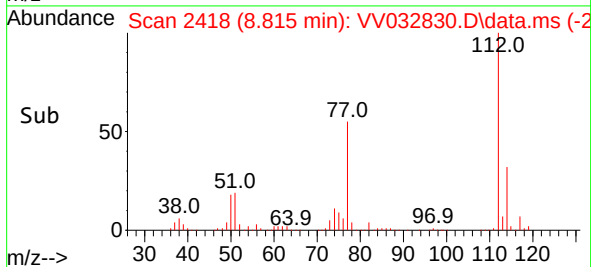
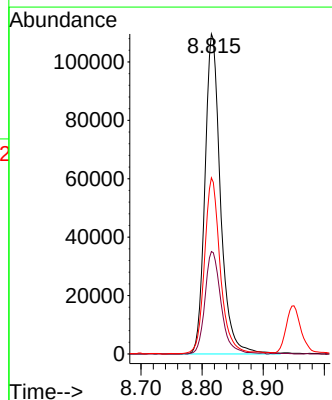
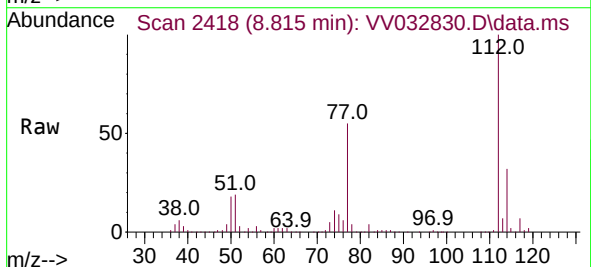
Instrument :
MSVOA_V
ClientSampleId :

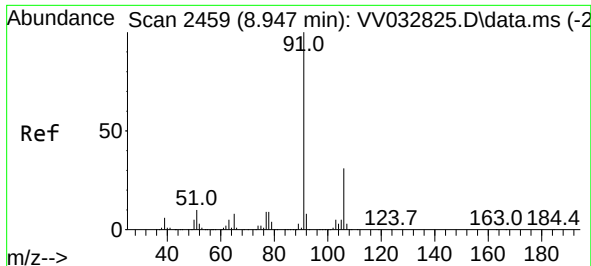
Tgt Ion:107 Resp: 49731
Ion Ratio Lower Upper
107 100
109 89.2 66.4 123.4
188 3.4 2.9 4.3



#51
Chlorobenzene
Concen: 5.347 ug/L
RT: 8.815 min Scan# 2418
Delta R.T. 0.000 min
Lab File: VV032830.D
Acq: 01 Nov 2023 17:47

Tgt Ion:112 Resp: 194144
Ion Ratio Lower Upper
112 100
114 32.0 22.7 42.3
77 55.1 45.7 68.5

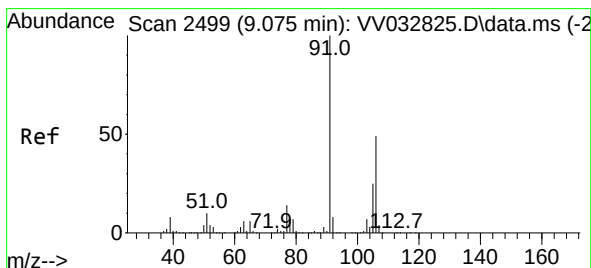
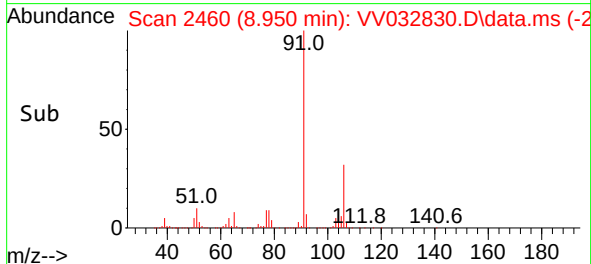
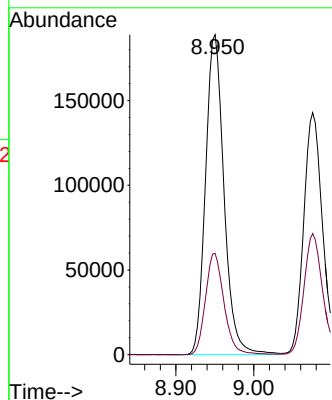
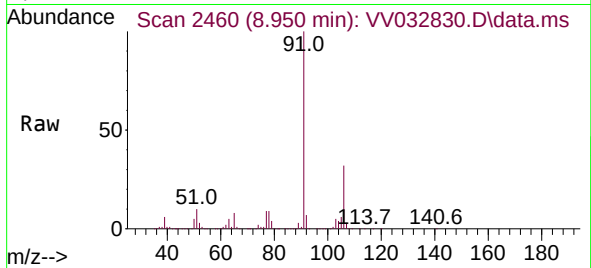




#52
Ethylbenzene
Concen: 5.378 ug/L
RT: 8.950 min Scan# 2459
Delta R.T. 0.003 min
Lab File: VV032830.D
Acq: 01 Nov 2023 17:47

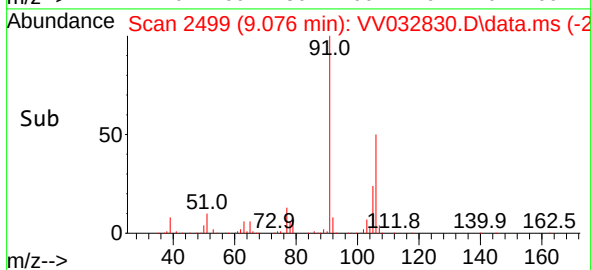
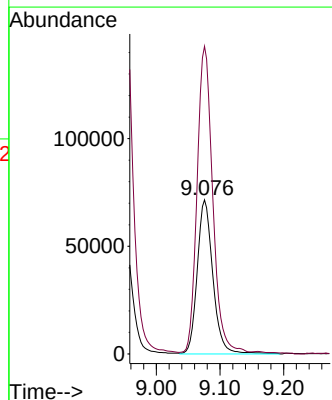
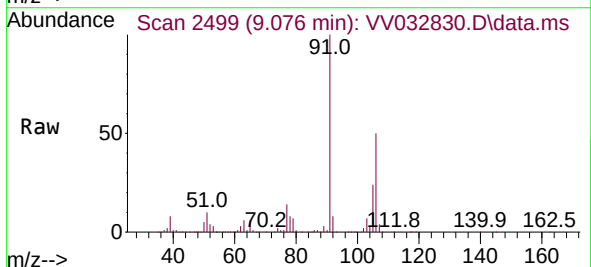
Instrument :
MSVOA_V
ClientSampleId :

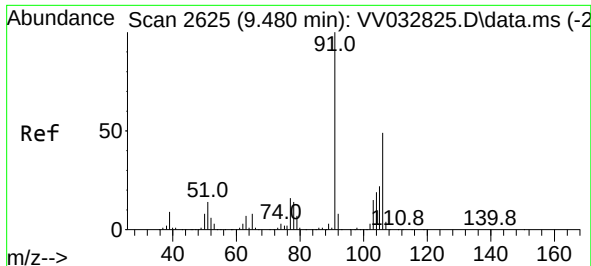
Tgt Ion: 91 Resp: 310724
Ion Ratio Lower Upper
91 100
106 31.7 20.9 38.9



#53
m,p-Xylene
Concen: 5.597 ug/L
RT: 9.076 min Scan# 2499
Delta R.T. 0.000 min
Lab File: VV032830.D
Acq: 01 Nov 2023 17:47

Tgt Ion: 106 Resp: 122464
Ion Ratio Lower Upper
106 100
91 199.7 139.3 258.7

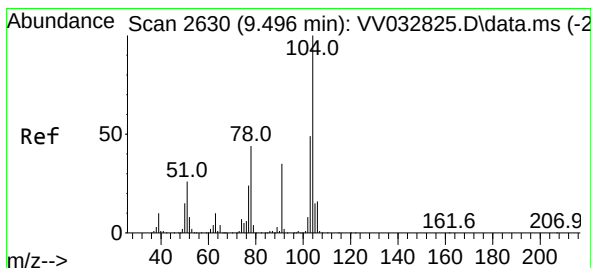
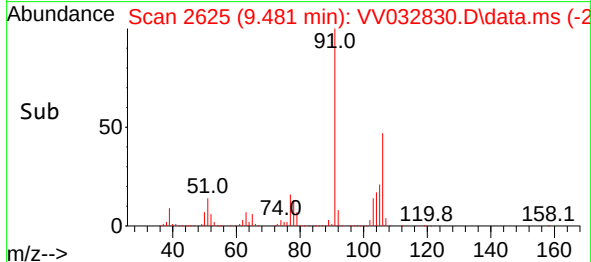
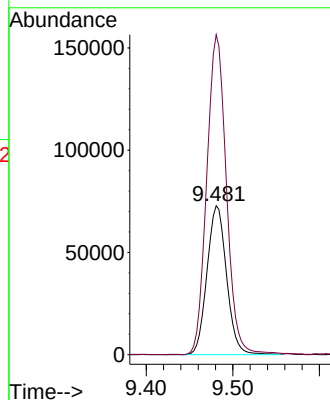
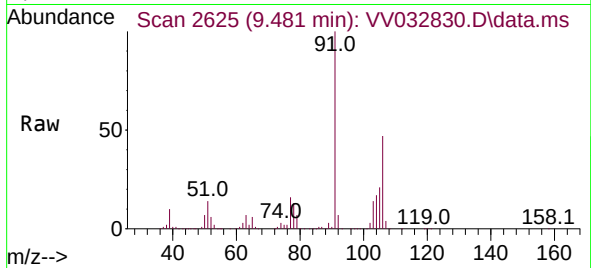




#54
o-Xylene
Concen: 5.396 ug/L
RT: 9.481 min Scan# 2625
Delta R.T. 0.000 min
Lab File: VV032830.D
Acq: 01 Nov 2023 17:47

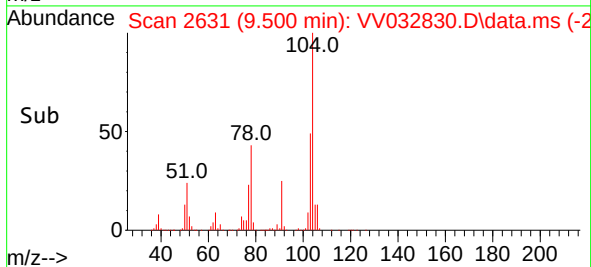
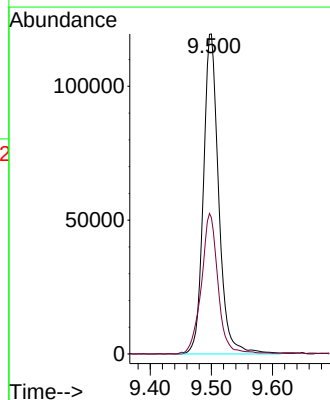
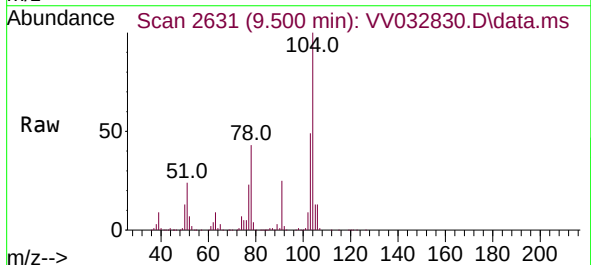
Instrument :
MSVOA_V
ClientSampleId :

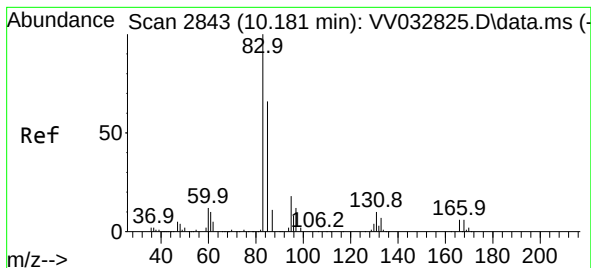
Tgt Ion:106 Resp: 114514
Ion Ratio Lower Upper
106 100
91 214.7 147.4 273.8



#55
Styrene
Concen: 5.914 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.003 min
Lab File: VV032830.D
Acq: 01 Nov 2023 17:47

Tgt Ion:104 Resp: 207934
Ion Ratio Lower Upper
104 100
78 42.6 30.5 56.7

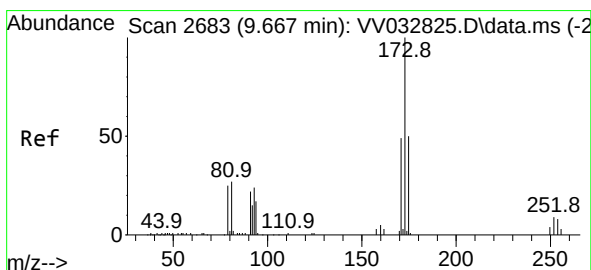
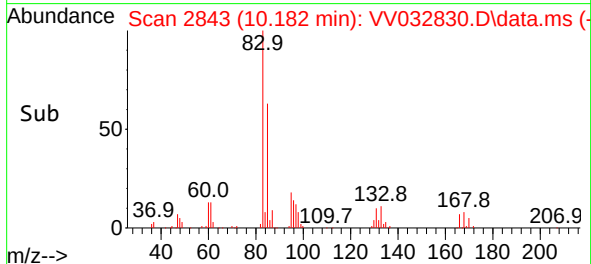
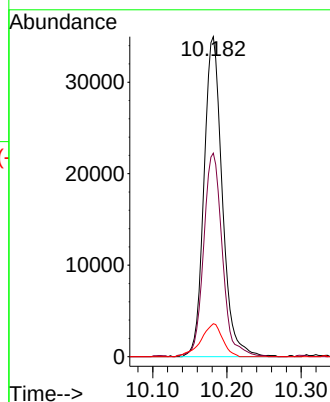
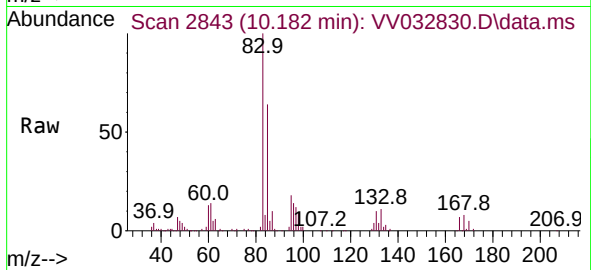




#57
1,1,2,2-Tetrachloroethane
Concen: 5.316 ug/L
RT: 10.182 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VV032830.D
Acq: 01 Nov 2023 17:47

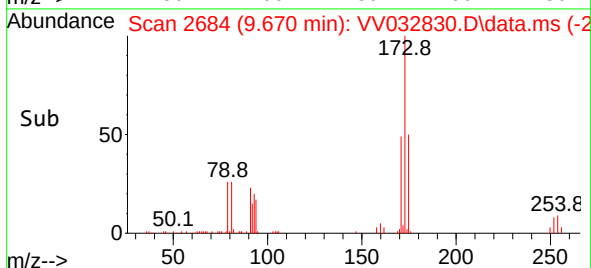
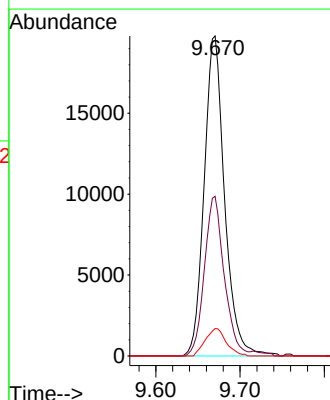
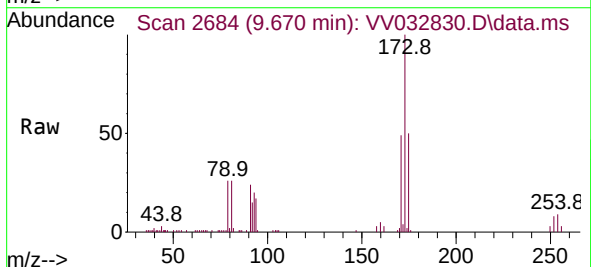
Instrument :
MSVOA_V
ClientSampleId :

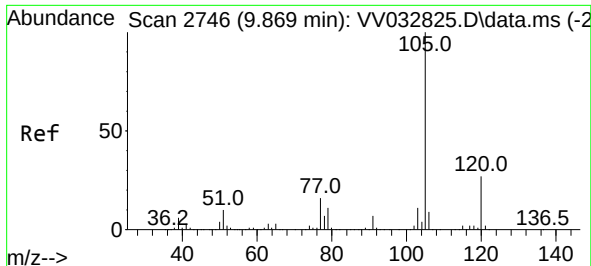
Tgt Ion: 83 Resp: 59782
Ion Ratio Lower Upper
83 100
85 63.6 44.0 81.8
131 10.3 7.8 11.8



#59
Bromoform
Concen: 5.269 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. 0.003 min
Lab File: VV032830.D
Acq: 01 Nov 2023 17:47

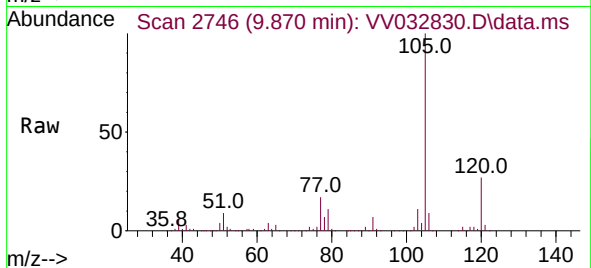
Tgt Ion: 173 Resp: 33394
Ion Ratio Lower Upper
173 100
175 48.4 38.4 57.6
254 8.8 6.9 10.3



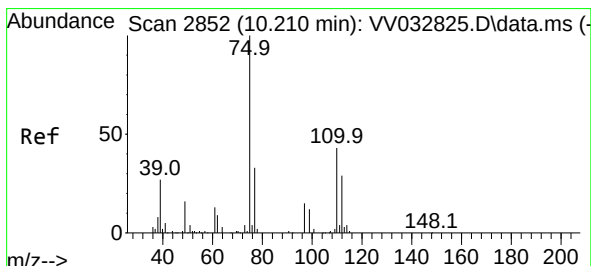
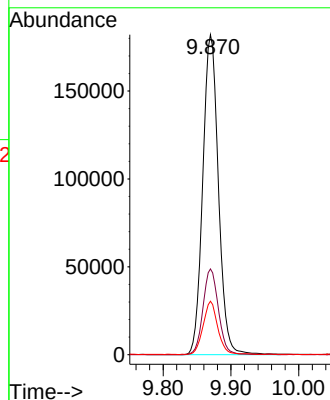
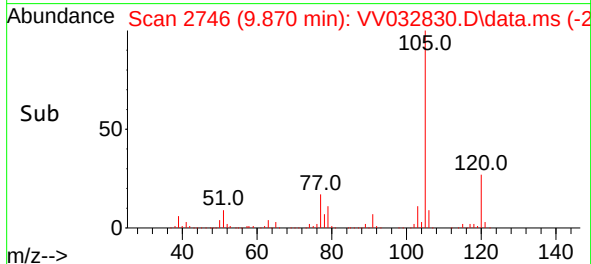


#60
Isopropylbenzene
Concen: 5.326 ug/L
RT: 9.870 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV032830.D
Acq: 01 Nov 2023 17:47

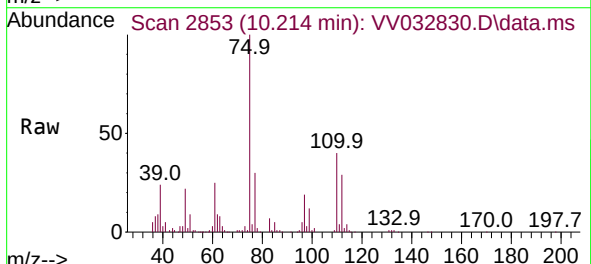
Instrument :
MSVOA_V
ClientSampleId :



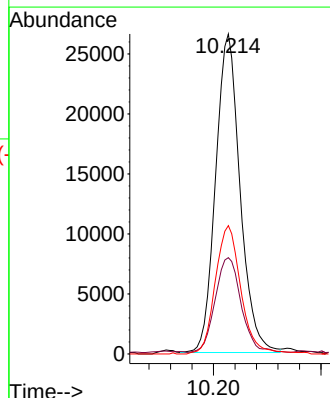
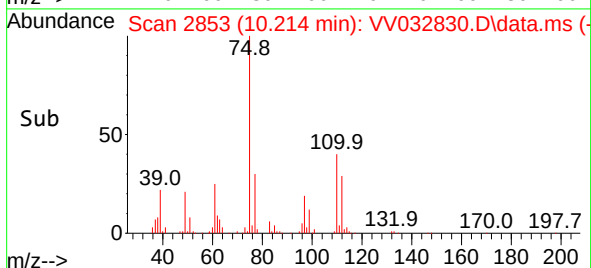
Tgt Ion:105 Resp: 292011
Ion Ratio Lower Upper
105 100
120 26.3 21.0 31.6
77 15.6 12.6 19.0

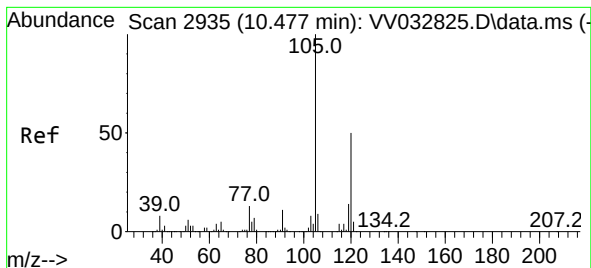


#61
1,2,3-Trichloropropane
Concen: 4.898 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. 0.003 min
Lab File: VV032830.D
Acq: 01 Nov 2023 17:47



Tgt Ion: 75 Resp: 41842
Ion Ratio Lower Upper
75 100
77 31.4 24.5 36.7
110 42.4 32.3 48.5





#62

1,3,5-Trimethylbenzene

Concen: 5.111 ug/L

RT: 10.481 min Scan# 2935

Delta R.T. 0.003 min

Lab File: VV032830.D

Acq: 01 Nov 2023 17:47

Instrument :

MSVOA_V

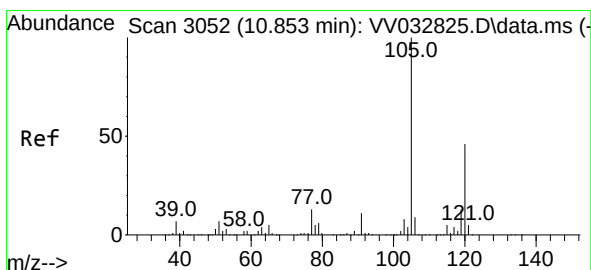
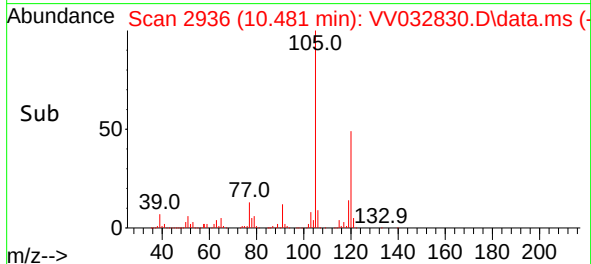
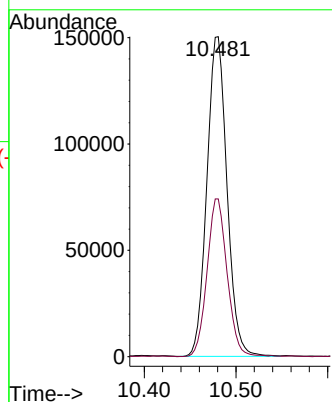
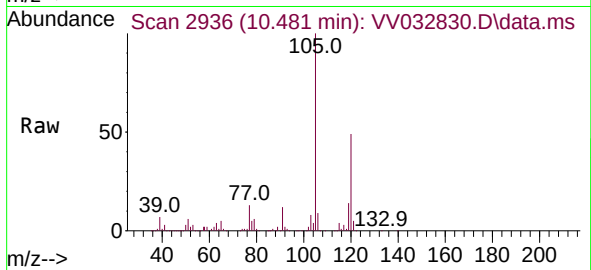
ClientSampleId :

Tgt Ion:105 Resp: 229078

Ion Ratio Lower Upper

105 100

120 49.4 39.4 59.2



#63

1,2,4-Trimethylbenzene

Concen: 5.291 ug/L

RT: 10.854 min Scan# 3052

Delta R.T. 0.000 min

Lab File: VV032830.D

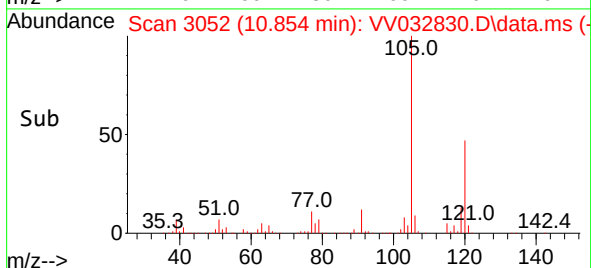
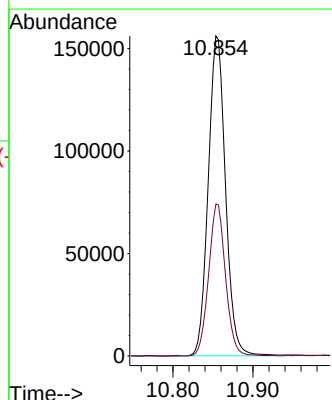
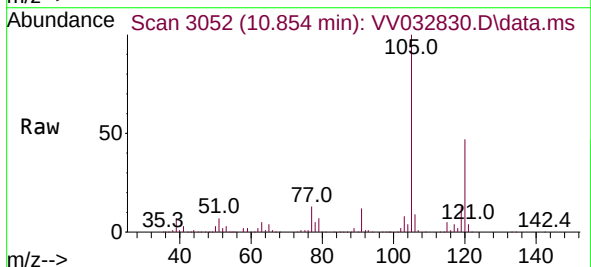
Acq: 01 Nov 2023 17:47

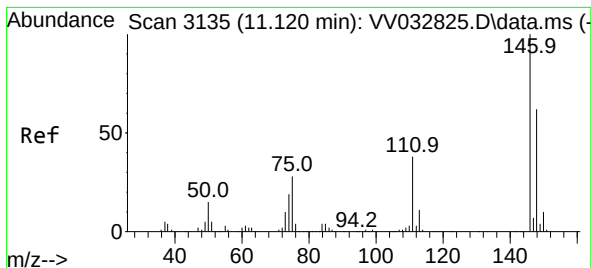
Tgt Ion:105 Resp: 234319

Ion Ratio Lower Upper

105 100

120 46.6 36.9 55.3





#64

1,3-Dichlorobenzene

Concen: 5.324 ug/L

RT: 11.120 min Scan# 3135

Delta R.T. 0.000 min

Lab File: VV032830.D

Acq: 01 Nov 2023 17:47

Instrument :

MSVOA_V

ClientSampleId :

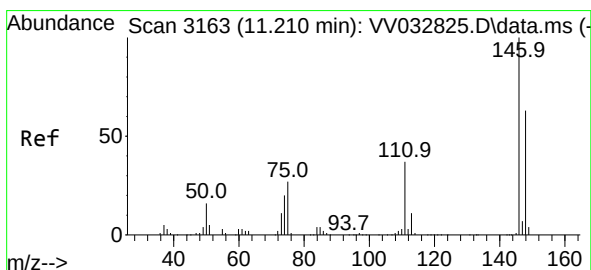
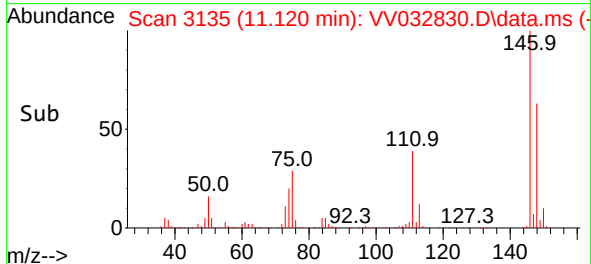
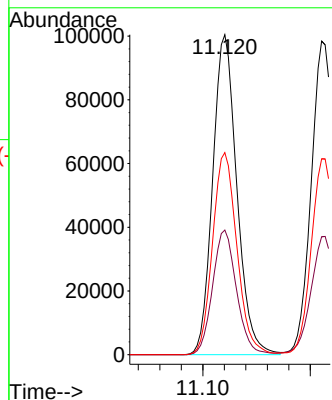
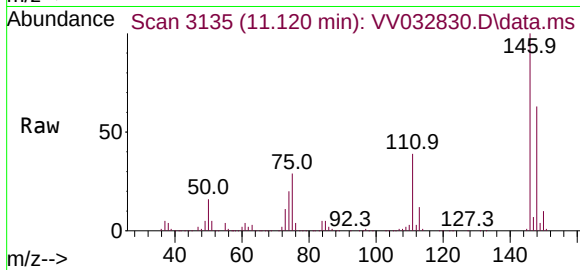
Tgt Ion:146 Resp: 156623

Ion Ratio Lower Upper

146 100

111 39.0 26.8 49.8

148 63.1 44.3 82.3



#65

1,4-Dichlorobenzene

Concen: 5.373 ug/L

RT: 11.211 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VV032830.D

Acq: 01 Nov 2023 17:47

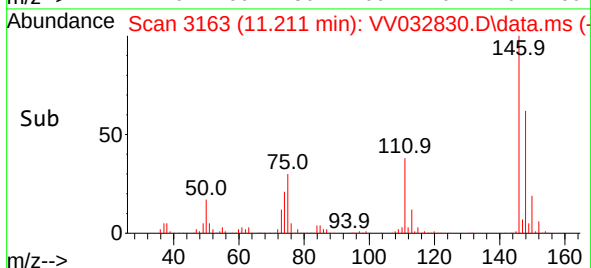
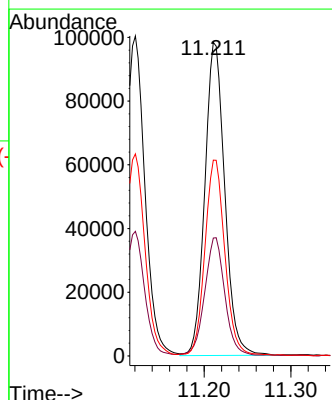
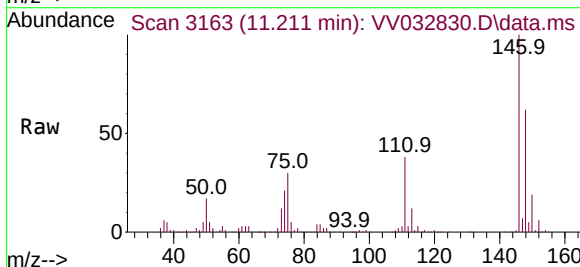
Tgt Ion:146 Resp: 156901

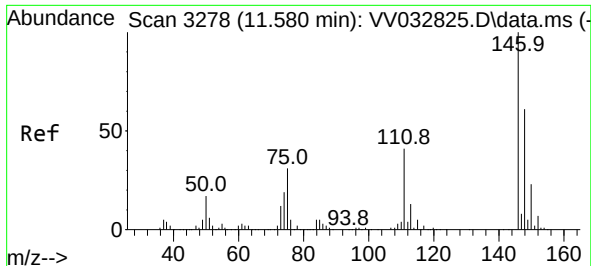
Ion Ratio Lower Upper

146 100

111 37.6 26.2 48.8

148 62.5 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 5.513 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV032830.D

Acq: 01 Nov 2023 17:47

Instrument :

MSVOA_V

ClientSampleId :

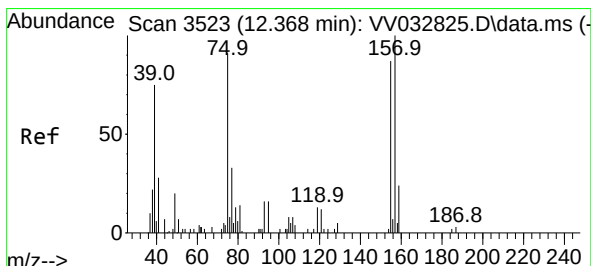
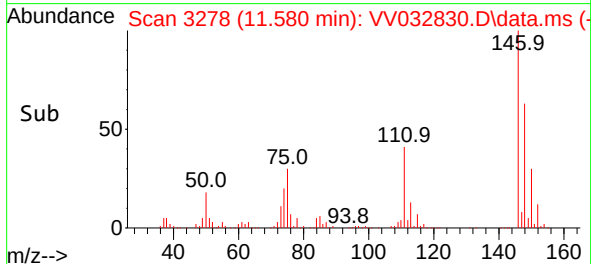
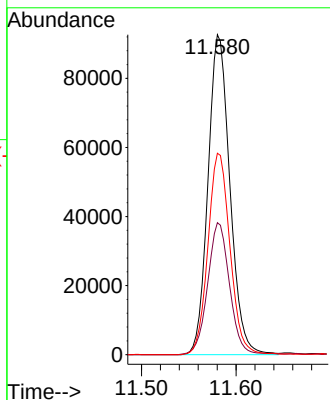
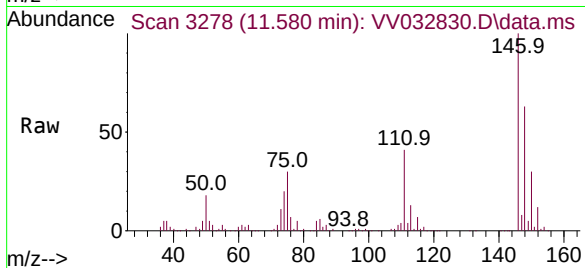
Tgt Ion:146 Resp: 149144

Ion Ratio Lower Upper

146 100

111 41.2 34.2 51.4

148 63.0 51.8 77.8



#68

1,2-Dibromo-3-chloropropane

Concen: 4.472 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. 0.000 min

Lab File: VV032830.D

Acq: 01 Nov 2023 17:47

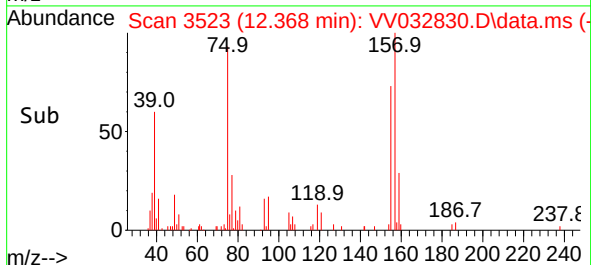
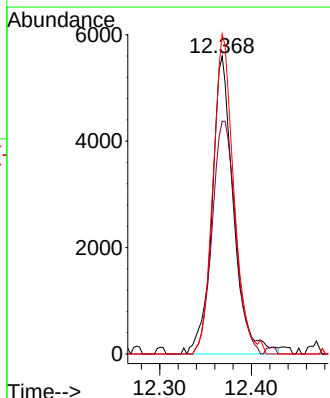
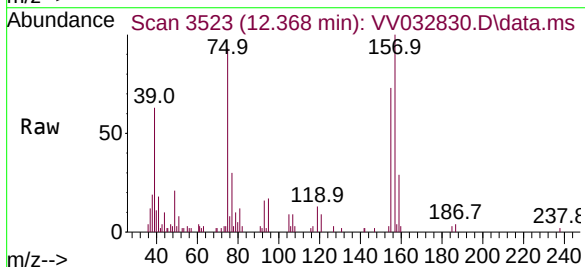
Tgt Ion: 75 Resp: 9130

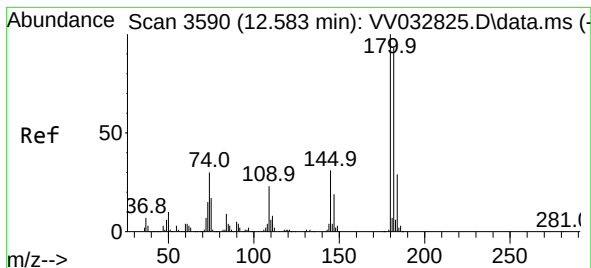
Ion Ratio Lower Upper

75 100

155 78.1 70.1 105.1

157 107.5 90.2 135.2





#69

1,3,5-Trichlorobenzene

Concen: 5.161 ug/L

RT: 12.587 min Scan# 3590

Delta R.T. 0.003 min

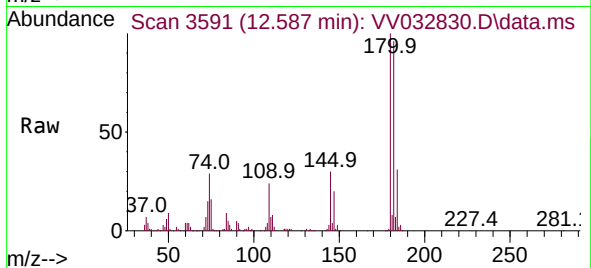
Lab File: VV032830.D

Acq: 01 Nov 2023 17:47

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 108357

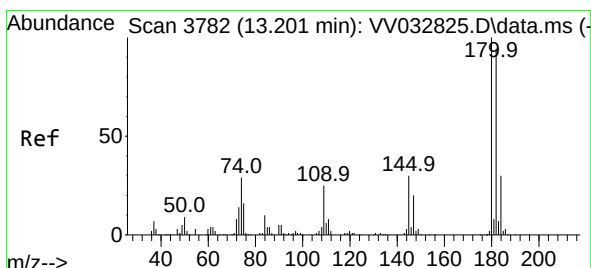
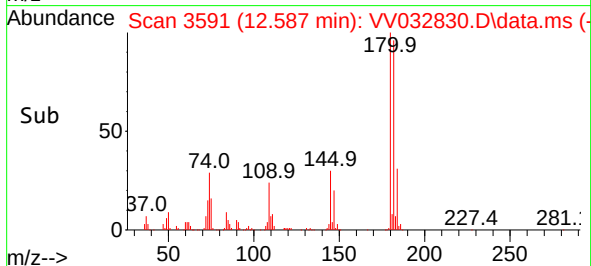
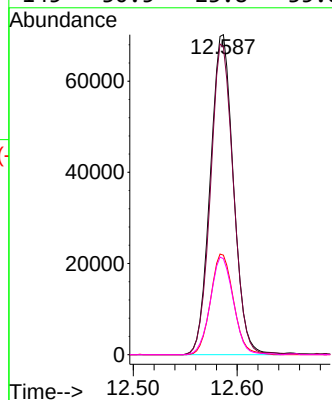
Ion Ratio Lower Upper

180 100

182 96.4 76.6 115.0

184 31.1 24.3 36.5

145 30.5 23.8 35.8



#70

1,2,4-trichlorobenzene

Concen: 4.953 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.000 min

Lab File: VV032830.D

Acq: 01 Nov 2023 17:47

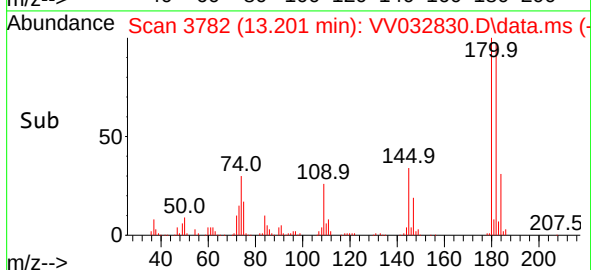
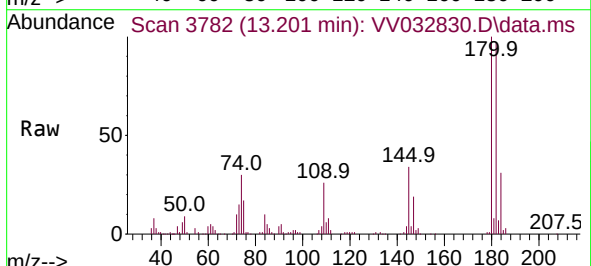
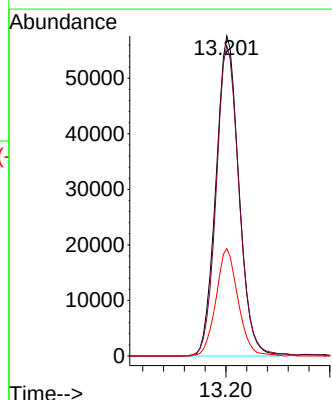
Tgt Ion:180 Resp: 88248

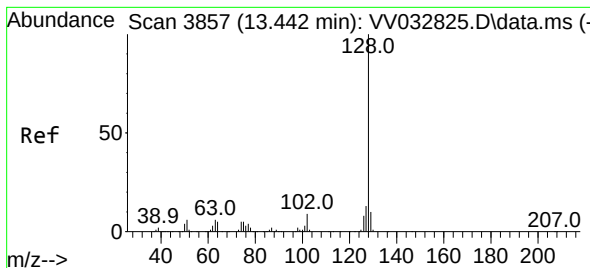
Ion Ratio Lower Upper

180 100

182 96.8 75.7 113.5

145 32.3 25.0 37.4





#71

Naphthalene

Concen: 4.306 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. 0.000 min

Lab File: VV032830.D

Acq: 01 Nov 2023 17:47

Instrument :

MSVOA_V

ClientSampleId :

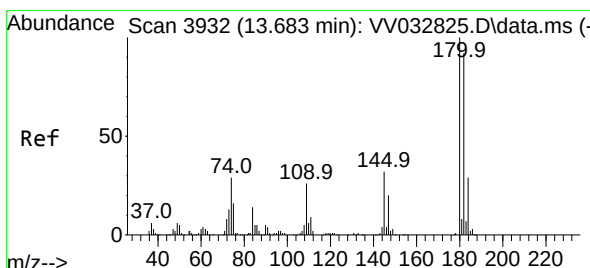
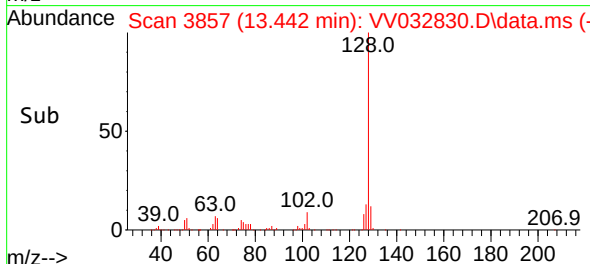
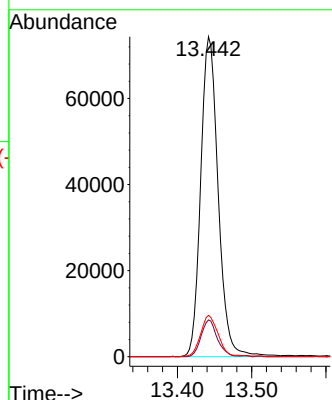
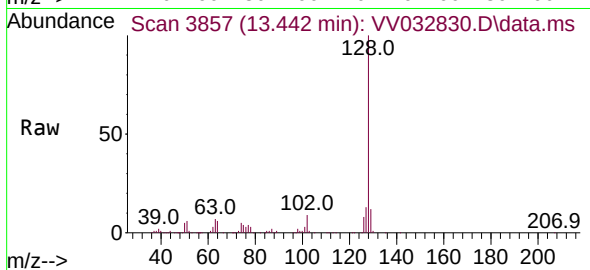
Tgt Ion:128 Resp: 121585

Ion Ratio Lower Upper

128 100

129 10.6 8.6 12.8

127 13.1 10.4 15.6



#72

1,2,3-Trichlorobenzene

Concen: 4.921 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.000 min

Lab File: VV032830.D

Acq: 01 Nov 2023 17:47

Tgt Ion:180 Resp: 77098

Ion Ratio Lower Upper

180 100

182 96.3 75.4 113.2

145 33.3 26.4 39.6

