

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111323\
 Data File : VW032920.D
 Acq On : 13 Nov 2023 09:58
 Operator : SY/MD
 Sample : VSTD005
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 13 22:48:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM111323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 13 22:47:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	414028	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	421168	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	214989	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	17476	4.991	ug/L	0.00
7) Chloroethane-d5	1.532	69	14445	4.979	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.060	65	8084	5.299	ug/L	0.00
21) 2-Butanone-d5	3.506	46	192	0.135	ug/L	-0.28
24) Chloroform-d	4.252	84	27346	4.520	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.953	65	17212	4.676	ug/L	0.01
32) Benzene-d6	4.963	84	51530	4.486	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.992	67	14227	4.261	ug/L	0.00
41) Toluene-d8	7.246	98	44687	4.220	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.561	79	7205	4.065	ug/L	0.00
47) 2-Hexanone-d5	8.037	63	7527	6.266	ug/L	0.01
56) 1,1,2,2-Tetrachloroeth...	10.156	84	20777	4.248	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.564	152	19736	4.724	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	18547	5.181	ug/L	95
3) Chloromethane	1.217	50	18824	5.321	ug/L	99
5) Vinyl chloride	1.285	62	18303	5.142	ug/L	100
6) Bromomethane	1.490	94	11316	4.796	ug/L	93
8) Chloroethane	1.552	64	11446	5.092	ug/L	96
9) Trichlorofluoromethane	1.715	101	29447	5.210	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	17863	5.456	ug/L	99
12) 1,1-Dichloroethene	2.072	96	14916	5.093	ug/L	94
13) Acetone	2.111	43	21081	10.520	ug/L	94
14) Carbon disulfide	2.243	76	41824	5.015	ug/L	100
15) Methyl Acetate	2.378	43	10050	4.266	ug/L	95
16) Methylene chloride	2.449	84	16267	5.207	ug/L	99
17) trans-1,2-Dichloroethene	2.696	96	14296	4.931	ug/L	98
18) Methyl tert-butyl Ether	2.699	73	38672	4.545	ug/L	98
19) 1,1-Dichloroethane	3.114	63	26035	5.027	ug/L	97
20) cis-1,2-Dichloroethene	3.821	96	14258	4.567	ug/L	93
22) 2-Butanone	3.847	43	98	0.055	ug/L	94
23) Bromochloromethane	4.149	128	3500	2.004	ug/L #	94
25) Chloroform	4.275	83	28651	5.013	ug/L	91
27) 1,2-Dichloroethane	5.050	62	20162	4.677	ug/L	98
29) Cyclohexane	4.580	56	18744	4.631	ug/L	91
30) 1,1,1-Trichloroethane	4.513	97	25762	4.991	ug/L	99
31) Carbon tetrachloride	4.738	117	23024	4.988	ug/L	97
33) Benzene	5.014	78	52511	4.591	ug/L	100
34) Trichloroethene	5.838	95	14850	4.777	ug/L	96
35) Methylcyclohexane	6.050	83	22093	4.716	ug/L	98
37) 1,2-Dichloropropane	6.098	63	12572	4.401	ug/L	97
38) Bromodichloromethane	6.436	83	20539	4.820	ug/L	97
39) cis-1,3-Dichloropropene	6.960	75	19625	4.131	ug/L	94
40) 4-Methyl-2-pentanone	7.162	43	22818	7.490	ug/L	96
42) Toluene	7.320	91	54780	4.389	ug/L	93
44) trans-1,3-Dichloropropene	7.587	75	18637	4.038	ug/L	93

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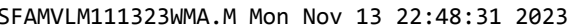
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM111323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 13 22:47:32 2023
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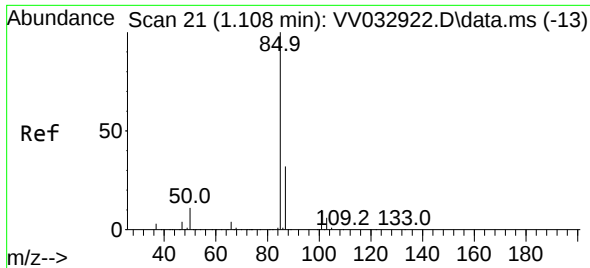
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	7.770	97	15564	4.910	ug/L	97
46) Tetrachloroethene	7.908	164	13412	5.015	ug/L	96
48) 2-Hexanone	8.085	43	16662	6.615	ug/L	98
49) Dibromochloromethane	8.178	129	15651	4.583	ug/L	98
50) 1,2-Dibromoethane	8.288	107	15333	4.544	ug/L	95
51) Chlorobenzene	8.815	112	41499	4.799	ug/L	99
52) Ethylbenzene	8.950	91	58420	4.226	ug/L	99
53) m,p-Xylene	9.075	106	22034	4.145	ug/L	100
54) o-Xylene	9.480	106	20836	4.065	ug/L	90
55) Styrene	9.500	104	33822	3.741	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.178	83	21891	4.489	ug/L	97
59) Bromoform	9.667	173	10072	4.404	ug/L	96
60) Isopropylbenzene	9.869	105	57207	4.495	ug/L	98
61) 1,2,3-Trichloropropane	10.214	75	14595	4.638	ug/L	94
62) 1,3,5-Trimethylbenzene	10.477	105	38638	4.002	ug/L	96
63) 1,2,4-Trimethylbenzene	10.853	105	39580	3.921	ug/L	96
64) 1,3-Dichlorobenzene	11.120	146	31554	4.754	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	36897	5.183	ug/L	95
67) 1,2-Dichlorobenzene	11.583	146	33046	4.951	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.368	75	3982	4.528	ug/L	94
69) 1,3,5-Trichlorobenzene	12.583	180	24150	4.849	ug/L	95
70) 1,2,4-trichlorobenzene	13.201	180	19966	4.463	ug/L	97
71) Naphthalene	13.442	128	43520	3.702	ug/L	98
72) 1,2,3-Trichlorobenzene	13.683	180	20882	4.638	ug/L	96

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

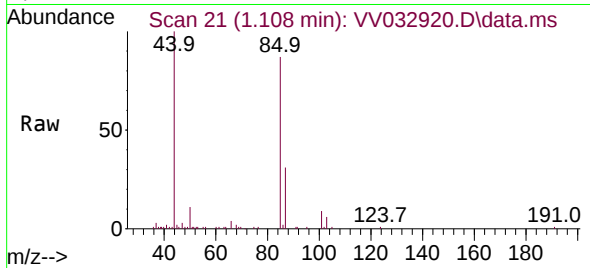
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Quant Title : VOC Analysis
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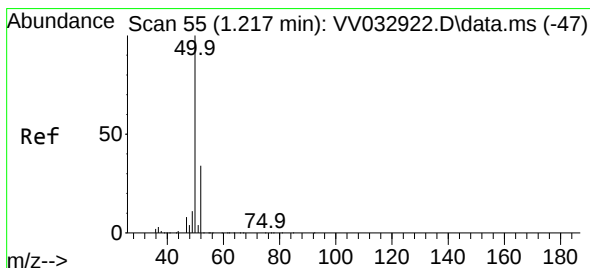
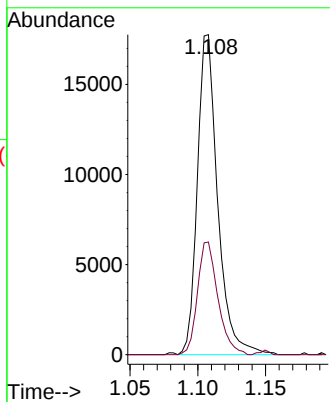
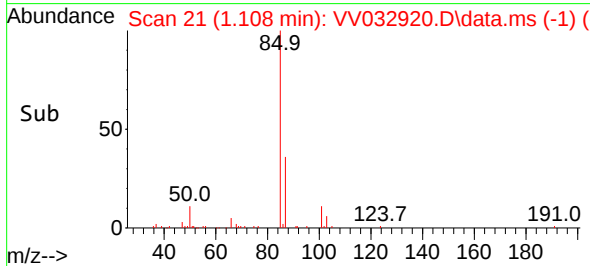


#2
Dichlorodifluoromethane
Concen: 5.181 ug/L
RT: 1.108 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV032920.D
Acq: 13 Nov 2023 09:58

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MSVOA_V
ClientSampleId :

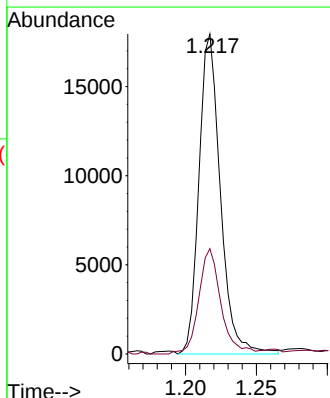
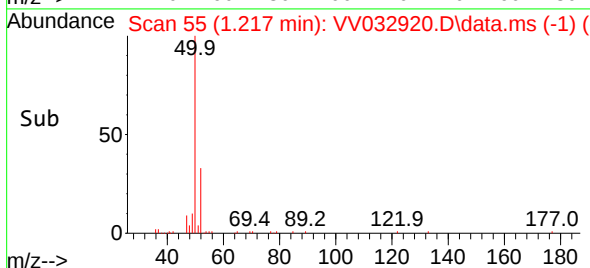
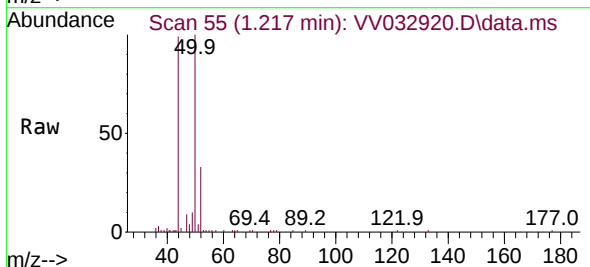


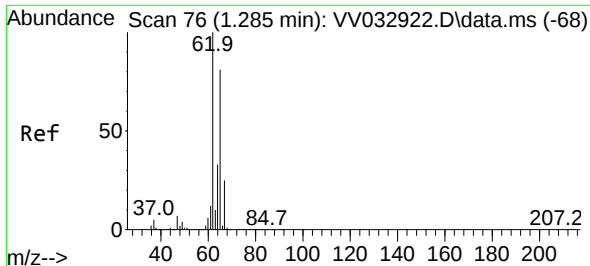
Tgt Ion: 85 Resp: 18547
Ion Ratio Lower Upper
85 100
87 35.3 25.8 38.8



#3
Chloromethane
Concen: 5.321 ug/L
RT: 1.217 min Scan# 55
Delta R.T. -0.000 min
Lab File: VV032920.D
Acq: 13 Nov 2023 09:58

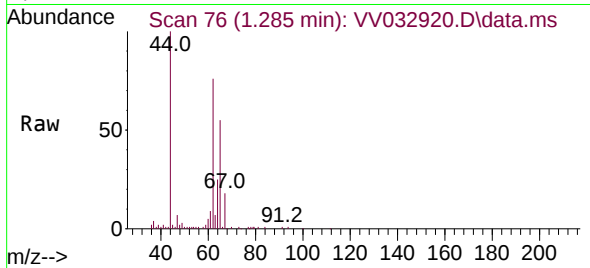
Tgt Ion: 50 Resp: 18824
Ion Ratio Lower Upper
50 100
52 32.9 23.6 43.8



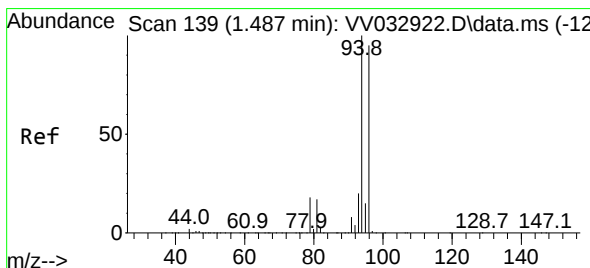
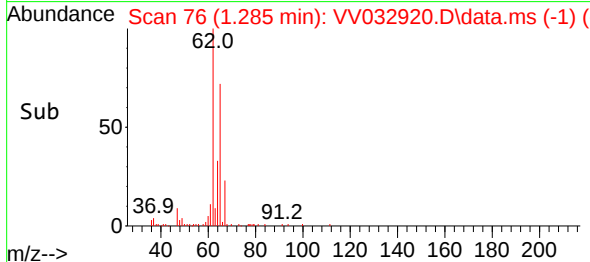
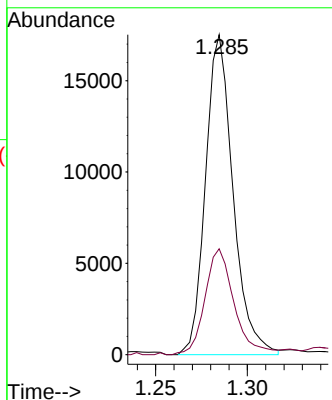


#5
 Vinyl chloride
 Concen: 5.142 ug/L
 RT: 1.285 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VV032920.D
 Acq: 13 Nov 2023 09:58

Instrument :
 MSVOA_V
 ClientSampleId :

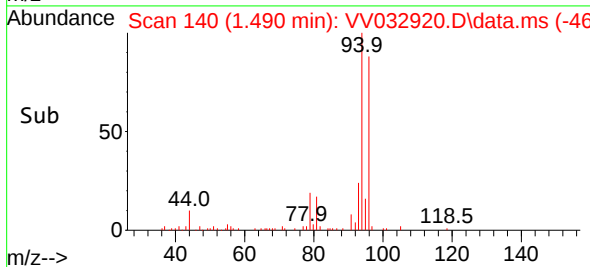
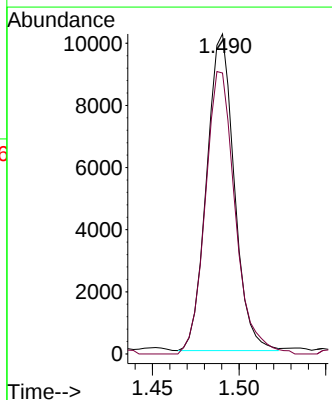
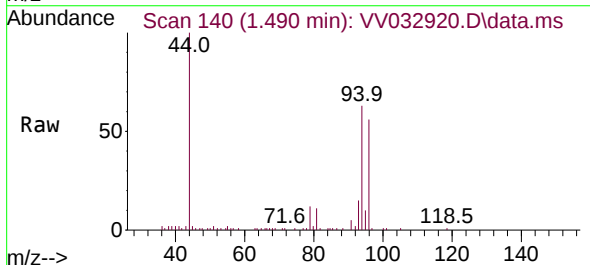


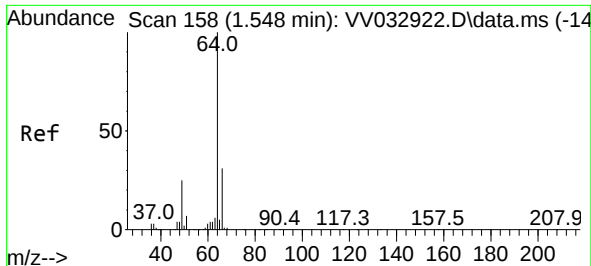
Tgt Ion: 62 Resp: 18303
 Ion Ratio Lower Upper
 62 100
 64 33.1 23.1 42.9



#6
 Bromomethane
 Concen: 4.796 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. 0.003 min
 Lab File: VV032920.D
 Acq: 13 Nov 2023 09:58

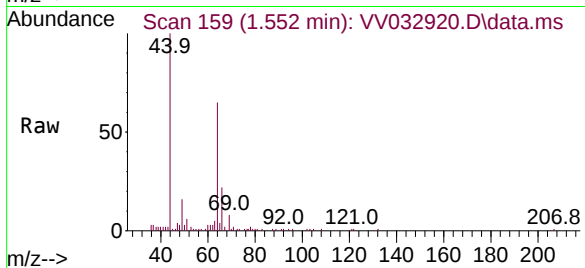
Tgt Ion: 94 Resp: 11316
 Ion Ratio Lower Upper
 94 100
 96 87.8 66.0 122.6



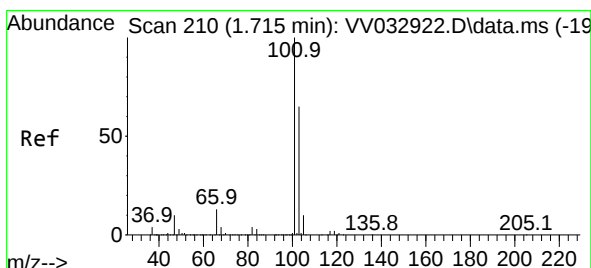
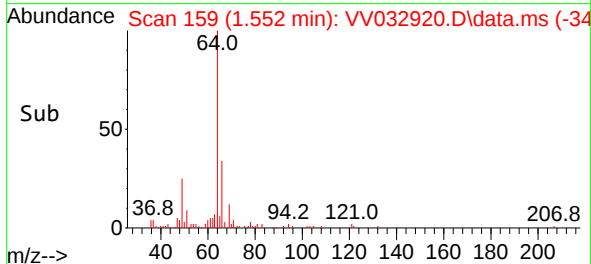
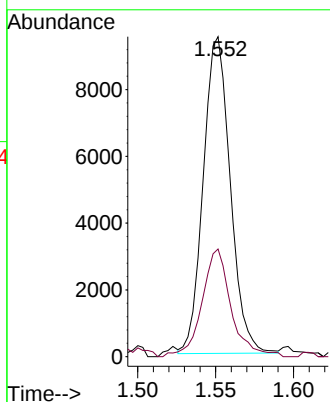


#8
Chloroethane
Concen: 5.092 ug/L
RT: 1.552 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV032920.D
Acq: 13 Nov 2023 09:58

Instrument :
MSVOA_V
ClientSampleId :

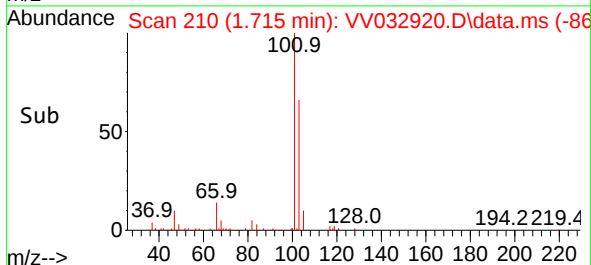
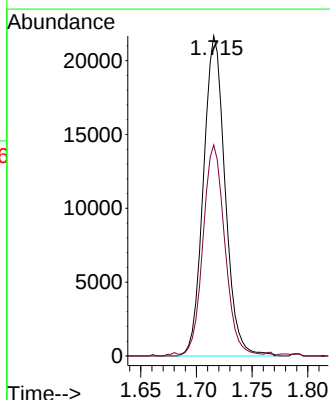
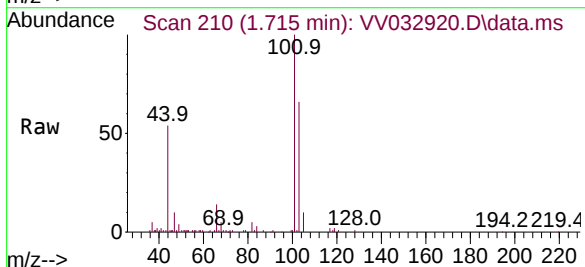


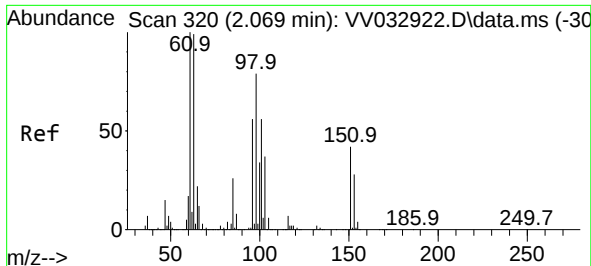
Tgt Ion: 64 Resp: 11446
Ion Ratio Lower Upper
64 100
66 33.6 22.0 40.8



#9
Trichlorofluoromethane
Concen: 5.210 ug/L
RT: 1.715 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV032920.D
Acq: 13 Nov 2023 09:58

Tgt Ion:101 Resp: 29447
Ion Ratio Lower Upper
101 100
103 66.4 51.2 76.8





#10

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

Concen: 5.456 ug/L

RT: 2.069 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV032920.D

Acq: 13 Nov 2023 09:58

Instrument :

MSVOA_V

ClientSampleId :

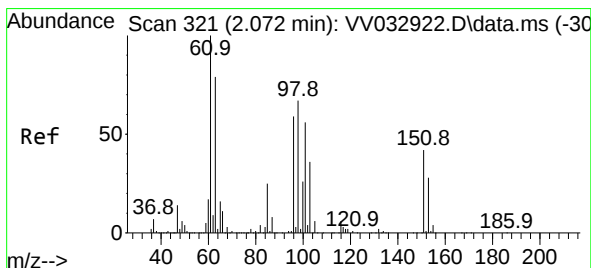
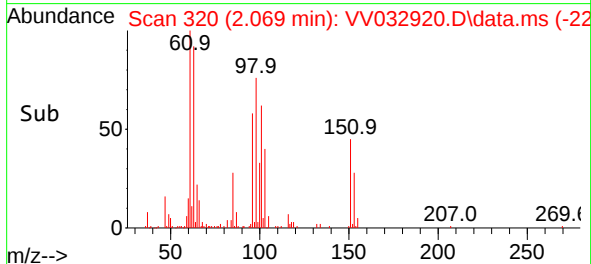
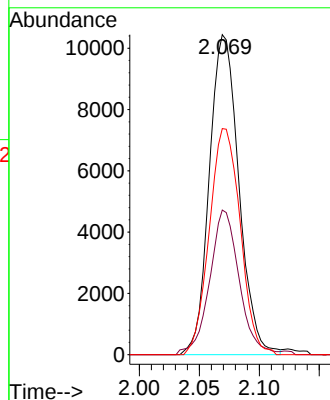
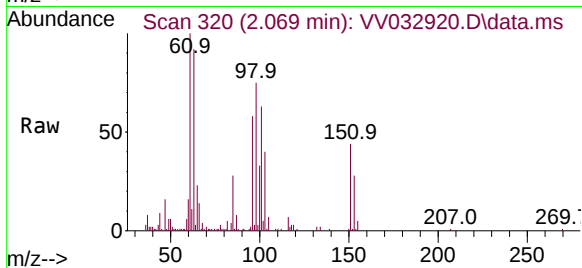
Tgt Ion:101 Resp: 17863

Ion Ratio Lower Upper

101 100

85 45.0 35.9 53.9

151 74.0 60.6 91.0



#12

1,1-Dichloroethene

Concen: 5.093 ug/L

RT: 2.072 min Scan# 321

Delta R.T. 0.000 min

Lab File: VV032920.D

Acq: 13 Nov 2023 09:58

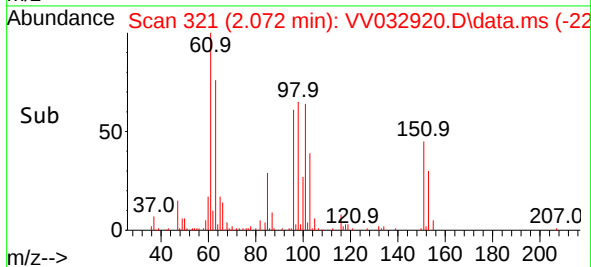
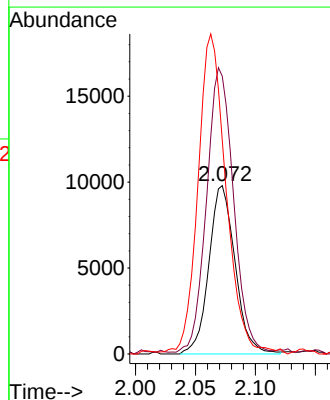
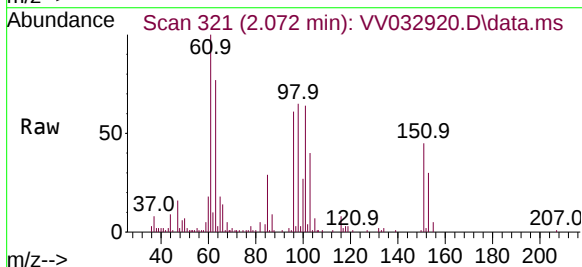
Tgt Ion: 96 Resp: 14916

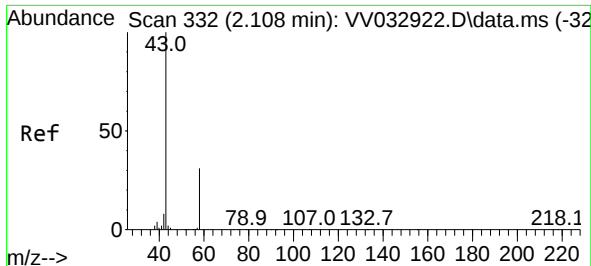
Ion Ratio Lower Upper

96 100

61 165.1 119.6 222.0

63 126.9 95.1 176.7





#13

Acetone

Concen: 10.520 ug/L

RT: 2.111 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV032920.D

Acq: 13 Nov 2023 09:58

Instrument :

MSVOA_V

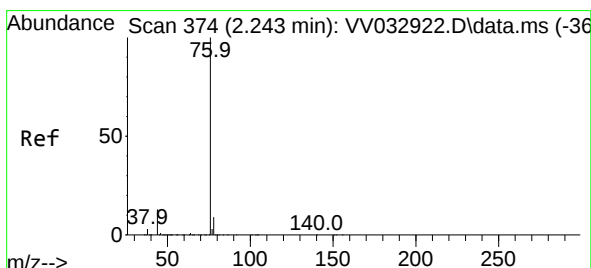
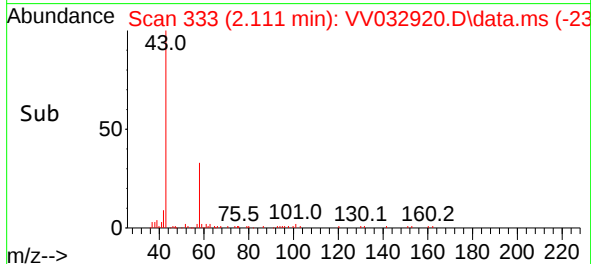
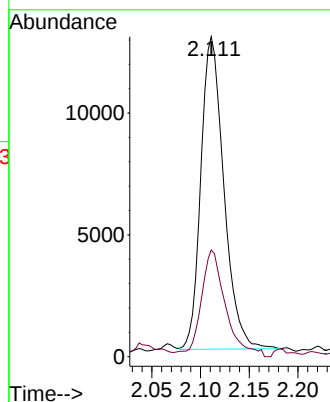
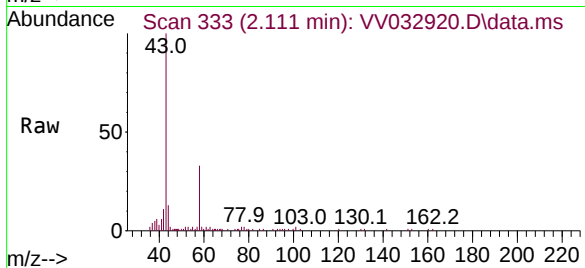
ClientSampleId :

Tgt Ion: 43 Resp: 21081

Ion Ratio Lower Upper

43 100

58 34.5 0.0 62.8



#14

Carbon disulfide

Concen: 5.015 ug/L

RT: 2.243 min Scan# 374

Delta R.T. -0.000 min

Lab File: VV032920.D

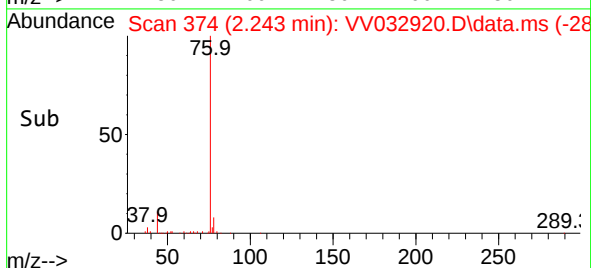
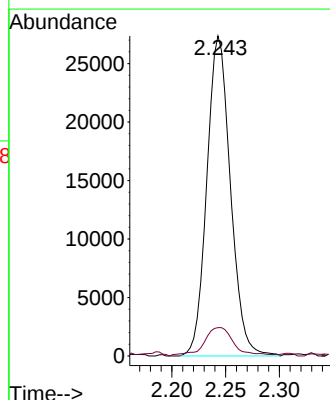
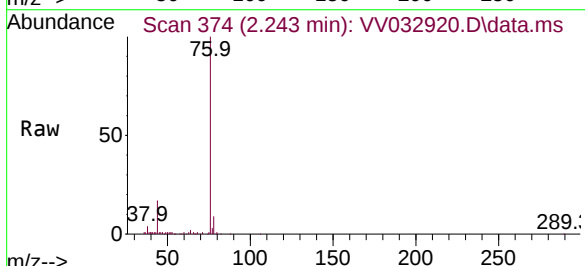
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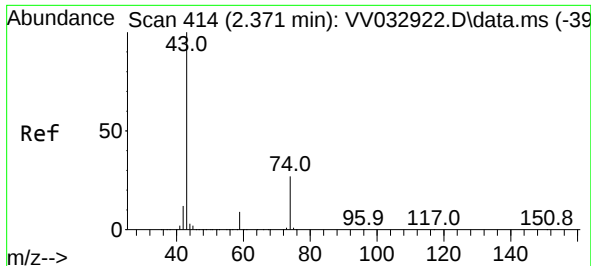
Tgt Ion: 76 Resp: 41824

Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8

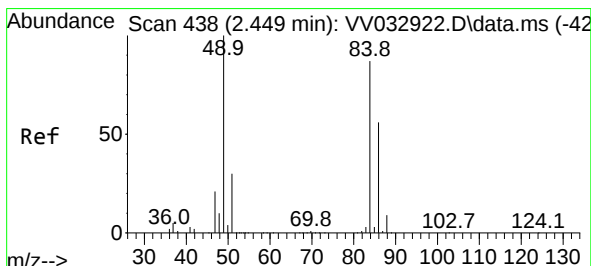
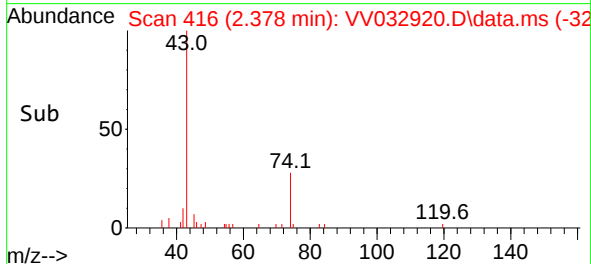
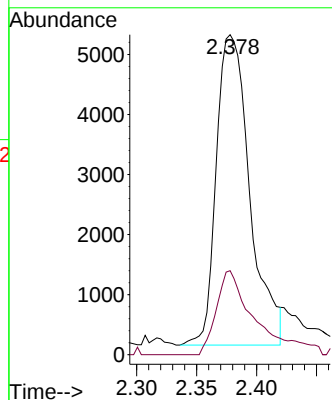
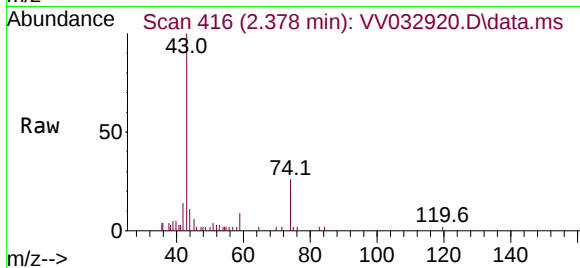




#15
Methyl Acetate
Concen: 4.266 ug/L
RT: 2.378 min Scan# 414
Delta R.T. 0.006 min
Lab File: VV032920.D
Acq: 13 Nov 2023 09:58

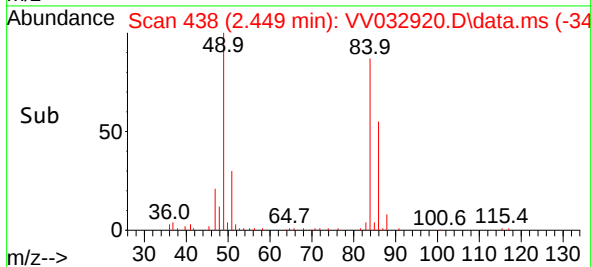
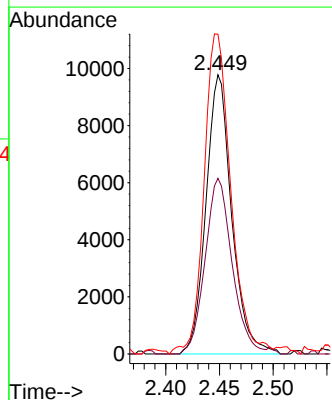
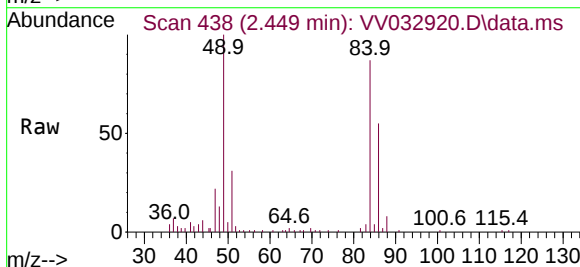
Instrument :
MSVOA_V
ClientSampleId :

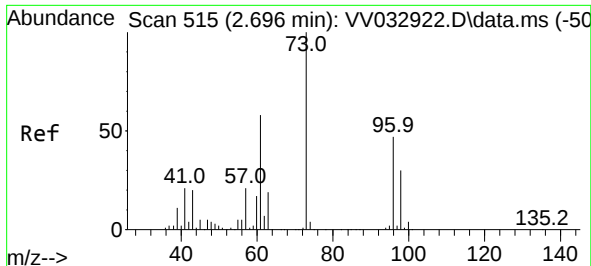
Tgt Ion: 43 Resp: 10050
Ion Ratio Lower Upper
43 100
74 28.5 20.8 31.2



#16
Methylene chloride
Concen: 5.207 ug/L
RT: 2.449 min Scan# 438
Delta R.T. -0.000 min
Lab File: VV032920.D
Acq: 13 Nov 2023 09:58

Tgt Ion: 84 Resp: 16267
Ion Ratio Lower Upper
84 100
86 62.9 45.3 84.1
49 114.6 80.6 149.6

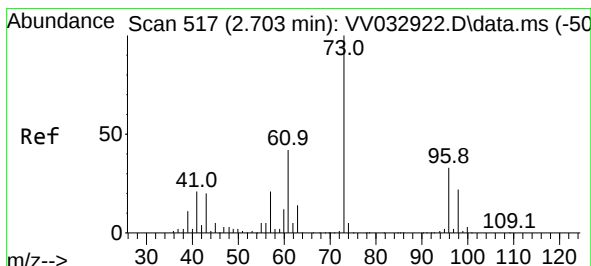
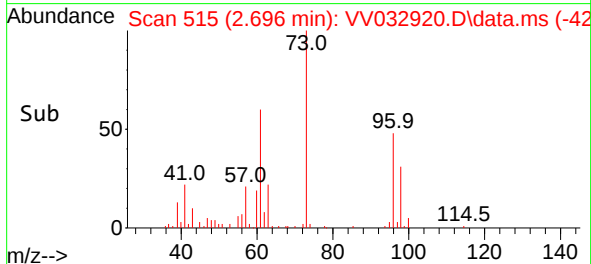
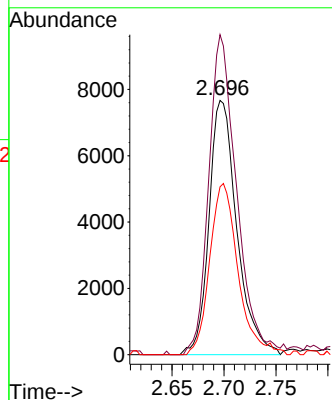
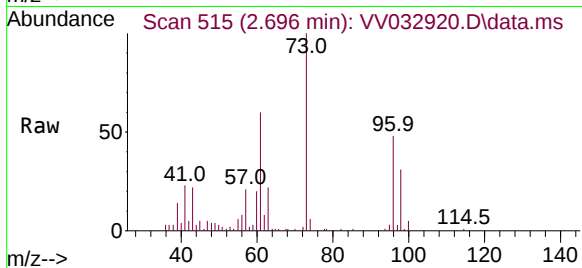




#17
 trans-1,2-Dichloroethene
 Concen: 4.931 ug/L
 RT: 2.696 min Scan# 515
 Delta R.T. 0.000 min
 Lab File: VV032920.D
 Acq: 13 Nov 2023 09:58

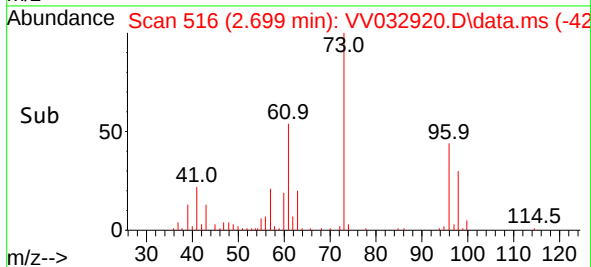
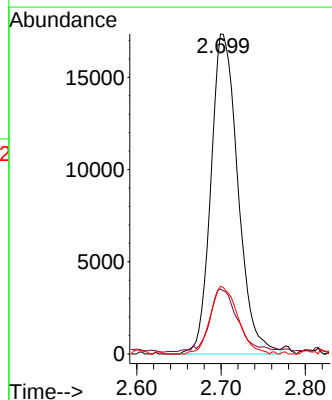
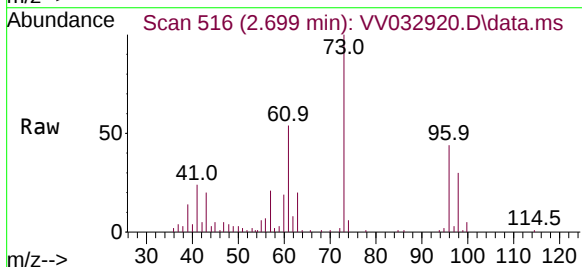
Instrument :
 MSVOA_V
 ClientSampleId :

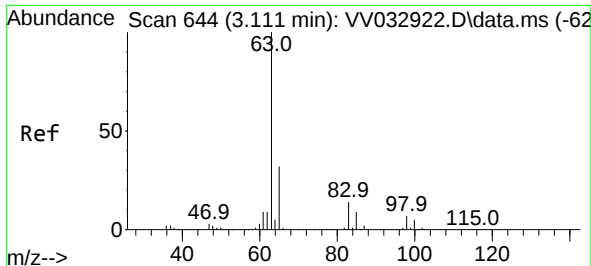
Tgt Ion: 96 Resp: 14296
 Ion Ratio Lower Upper
 96 100
 61 125.9 86.9 161.5
 98 66.0 44.4 82.5



#18
 Methyl tert-butyl Ether
 Concen: 4.545 ug/L
 RT: 2.699 min Scan# 516
 Delta R.T. -0.003 min
 Lab File: VV032920.D
 Acq: 13 Nov 2023 09:58

Tgt Ion: 73 Resp: 38672
 Ion Ratio Lower Upper
 73 100
 43 17.7 15.7 23.5
 57 21.6 17.0 25.4





#19

1,1-Dichloroethane

Concen: 5.027 ug/L

RT: 3.114 min Scan# 644

Delta R.T. 0.003 min

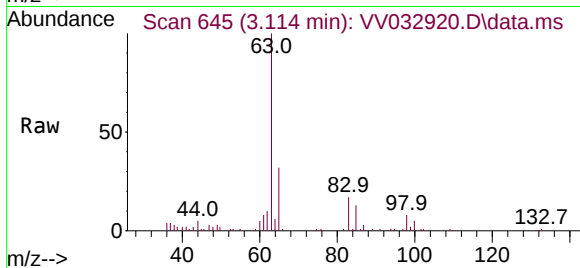
Lab File: VV032920.D

Acq: 13 Nov 2023 09:58

Instrument :

MSVOA_V

ClientSampleId :



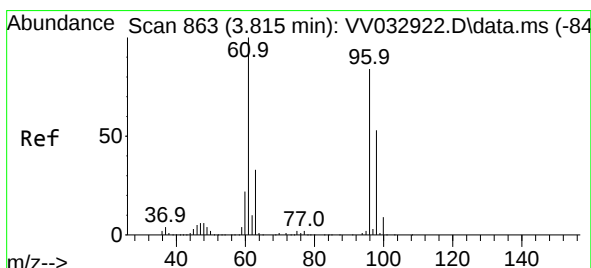
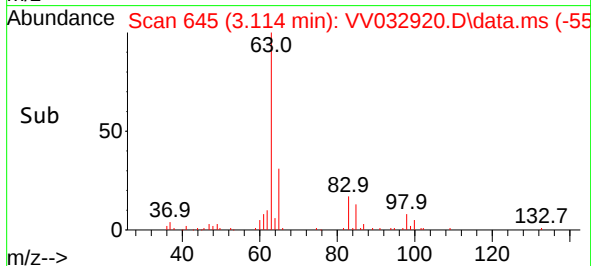
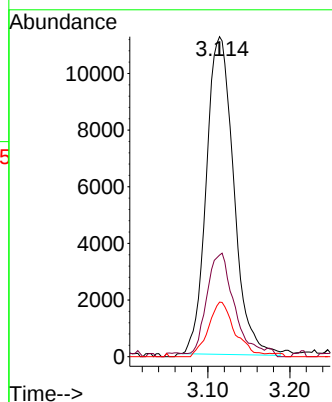
Tgt Ion: 63 Resp: 26035

Ion Ratio Lower Upper

63 100

65 31.8 22.0 41.0

83 17.1 9.7 18.1



#20

cis-1,2-Dichloroethene

Concen: 4.567 ug/L

RT: 3.821 min Scan# 865

Delta R.T. 0.006 min

Lab File: VV032920.D

Acq: 13 Nov 2023 09:58

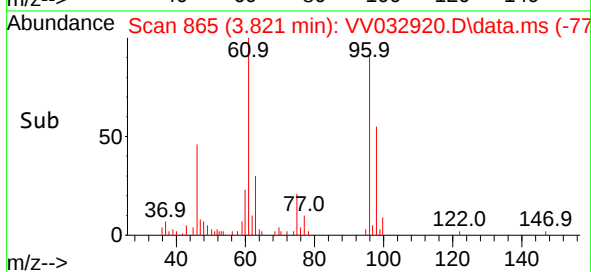
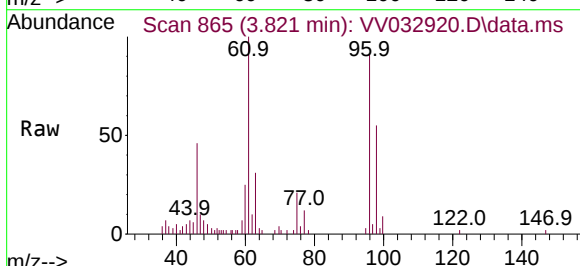
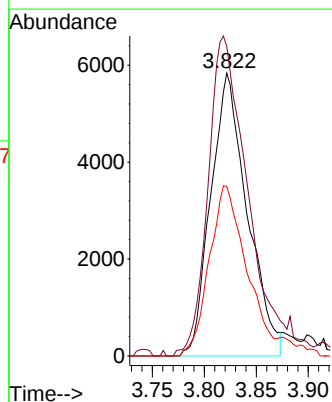
Tgt Ion: 96 Resp: 14258

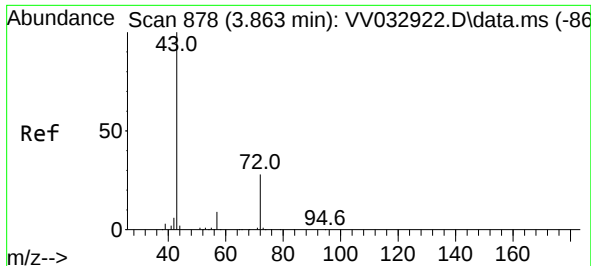
Ion Ratio Lower Upper

96 100

61 109.4 83.5 155.1

98 60.0 44.0 81.8

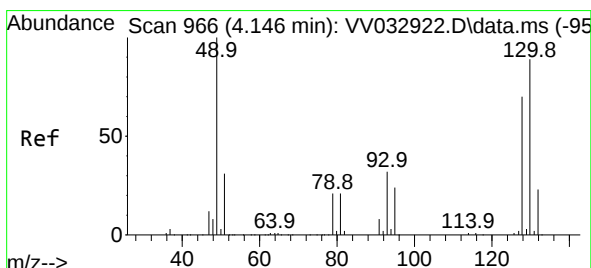
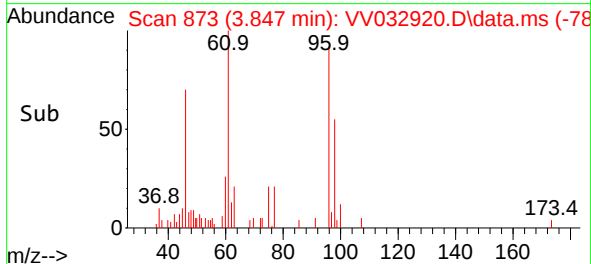
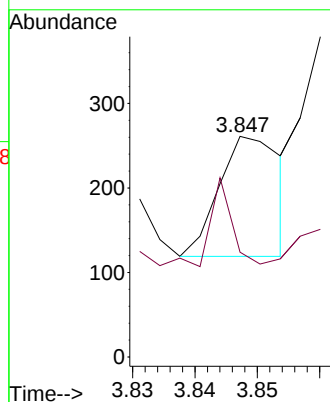
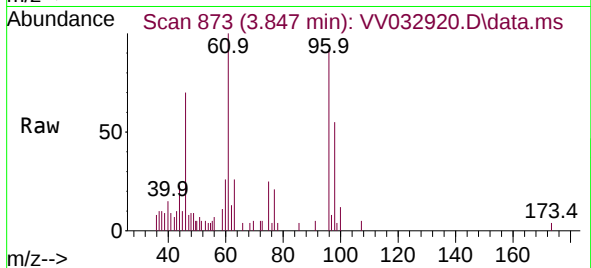




#22
2-Butanone
Concen: 0.055 ug/L
RT: 3.847 min Scan# 81
Delta R.T. -0.016 min
Lab File: VV032920.D
Acq: 13 Nov 2023 09:58

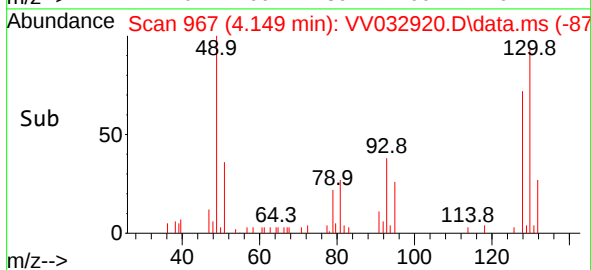
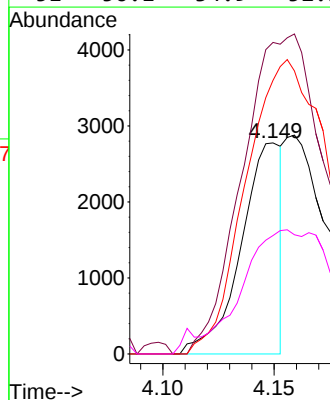
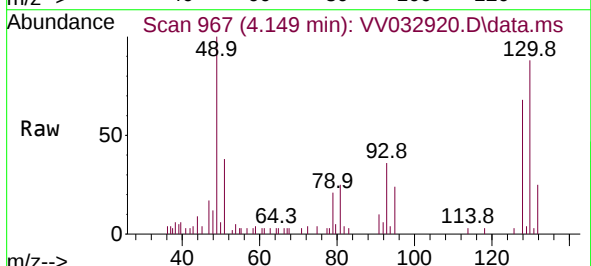
Instrument :
MSVOA_V
ClientSampleId :

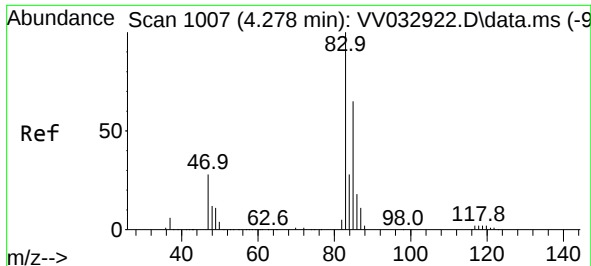
Tgt Ion: 43 Resp: 98
Ion Ratio Lower Upper
43 100
72 24.5 14.0 41.9



#23
Bromochloromethane
Concen: 2.004 ug/L
RT: 4.149 min Scan# 967
Delta R.T. 0.003 min
Lab File: VV032920.D
Acq: 13 Nov 2023 09:58

Tgt Ion:128 Resp: 3500
Ion Ratio Lower Upper
128 100
49 147.6 99.7 185.1
130 129.6 88.7 164.7
51 56.1 34.9 52.3#

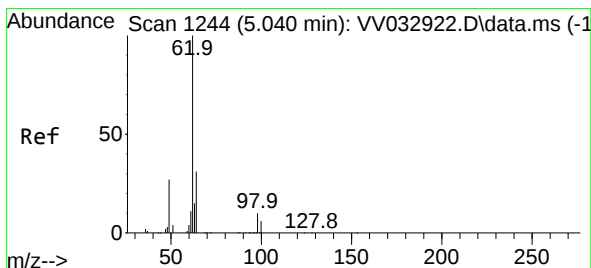
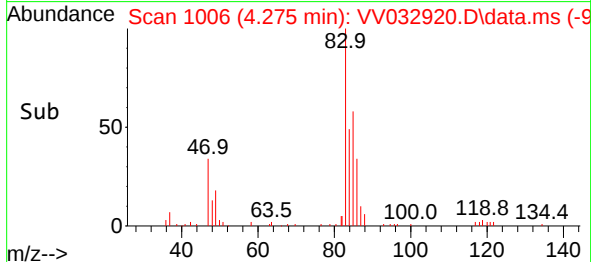
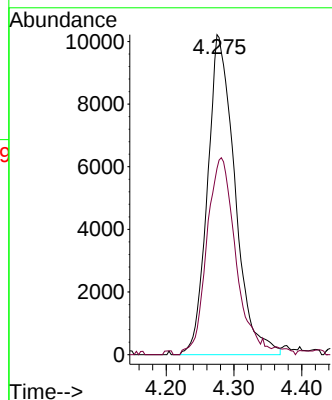
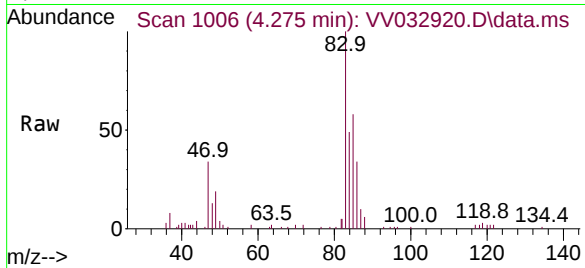




#25
Chloroform
Concen: 5.013 ug/L
RT: 4.275 min Scan# 1006
Delta R.T. -0.003 min
Lab File: VV032920.D
Acq: 13 Nov 2023 09:58

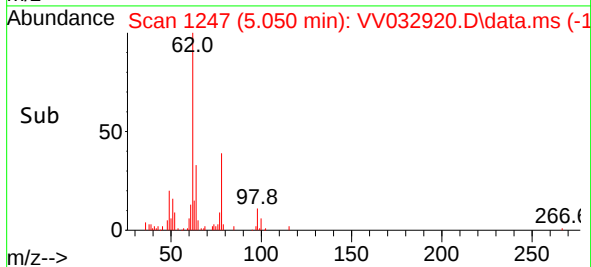
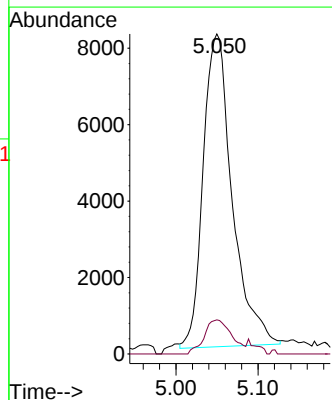
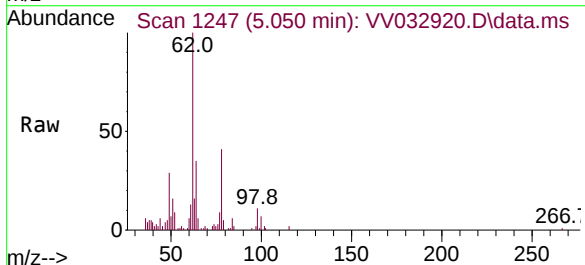
Instrument :
MSVOA_V
ClientSampleId :

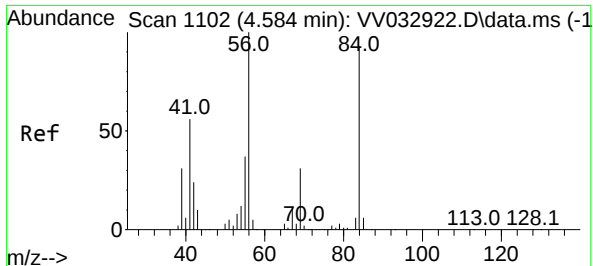
Tgt Ion: 83 Resp: 28651
Ion Ratio Lower Upper
83 100
85 58.2 45.5 84.5



#27
1,2-Dichloroethane
Concen: 4.677 ug/L
RT: 5.050 min Scan# 1247
Delta R.T. 0.010 min
Lab File: VV032920.D
Acq: 13 Nov 2023 09:58

Tgt Ion: 62 Resp: 20162
Ion Ratio Lower Upper
62 100
98 10.6 8.0 12.0





#29

Cyclohexane

Concen: 4.631 ug/L

RT: 4.580 min Scan# 1102

Delta R.T. -0.003 min

Lab File: VV032920.D

Acq: 13 Nov 2023 09:58

Instrument :

MSVOA_V

ClientSampleId :

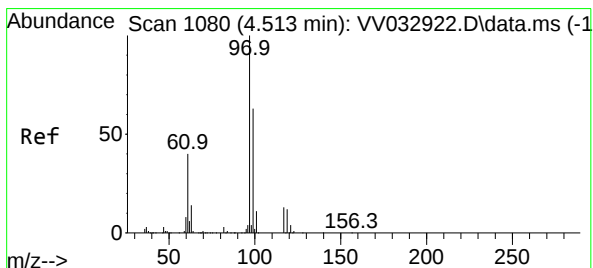
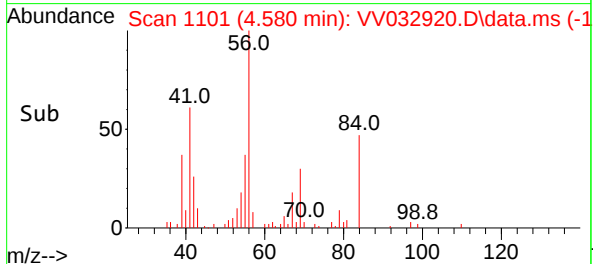
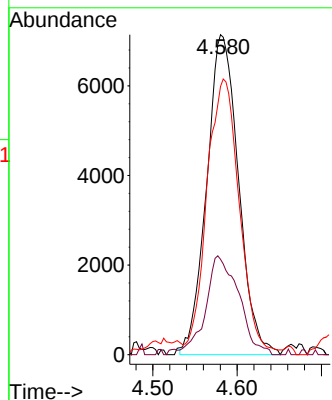
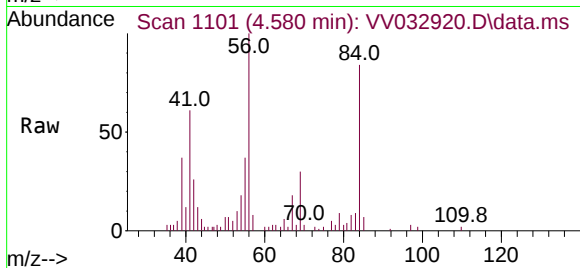
Tgt Ion: 56 Resp: 18744

Ion Ratio Lower Upper

56 100

69 32.1 24.7 37.1

84 84.4 76.6 115.0



#30

1,1,1-Trichloroethane

Concen: 4.991 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. 0.000 min

Lab File: VV032920.D

Acq: 13 Nov 2023 09:58

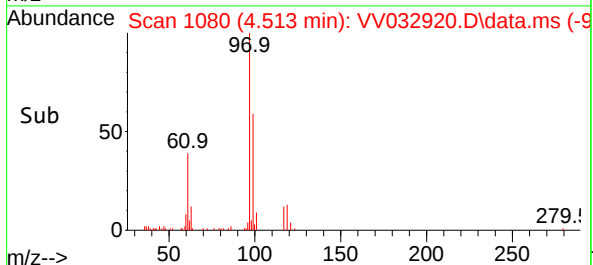
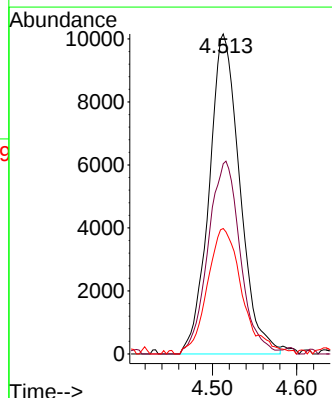
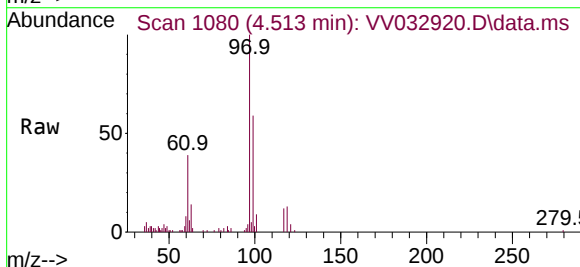
Tgt Ion: 97 Resp: 25762

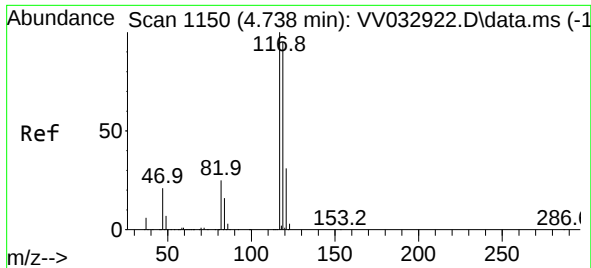
Ion Ratio Lower Upper

97 100

99 62.8 51.6 77.4

61 41.4 33.3 49.9

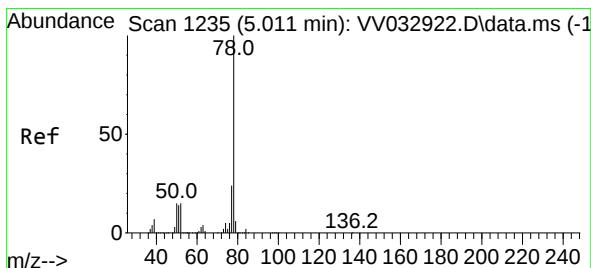
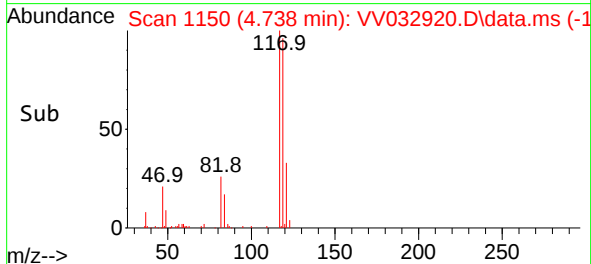
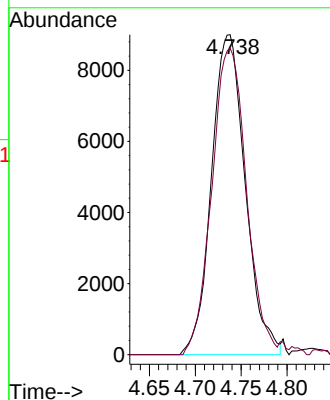
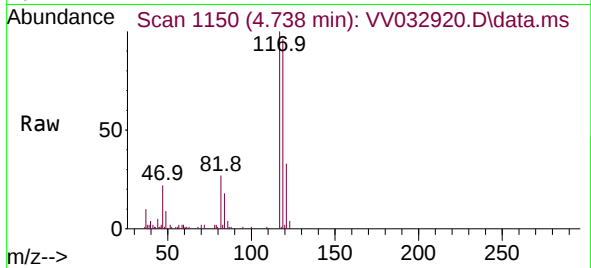




#31
Carbon tetrachloride
Concen: 4.988 ug/L
RT: 4.738 min Scan# 1150
Delta R.T. 0.000 min
Lab File: VV032920.D
Acq: 13 Nov 2023 09:58

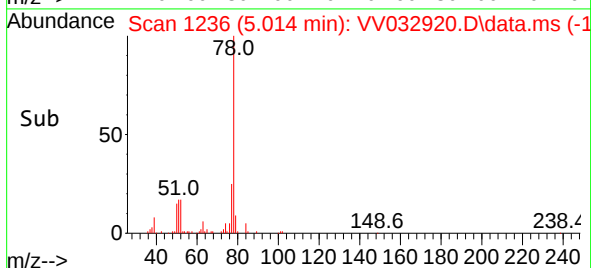
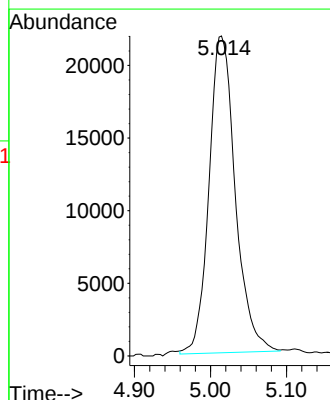
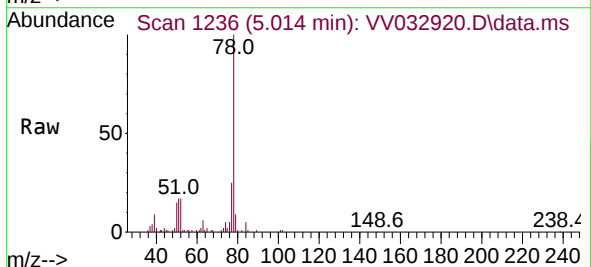
Instrument :
MSVOA_V
ClientSampleId :

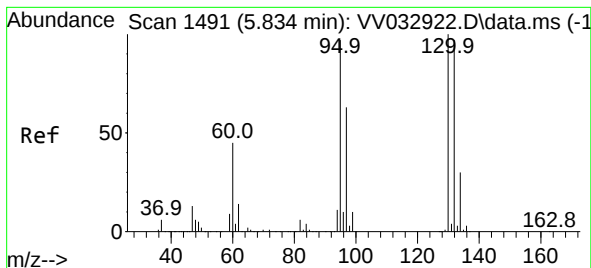
Tgt Ion:117 Resp: 23024
Ion Ratio Lower Upper
117 100
119 98.3 76.2 114.4



#33
Benzene
Concen: 4.591 ug/L
RT: 5.014 min Scan# 1236
Delta R.T. 0.003 min
Lab File: VV032920.D
Acq: 13 Nov 2023 09:58

Tgt Ion: 78 Resp: 52511





#34

Trichloroethene

Concen: 4.777 ug/L

RT: 5.838 min Scan# 1491

Delta R.T. 0.003 min

Lab File: VV032920.D

Acq: 13 Nov 2023 09:58

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 14850

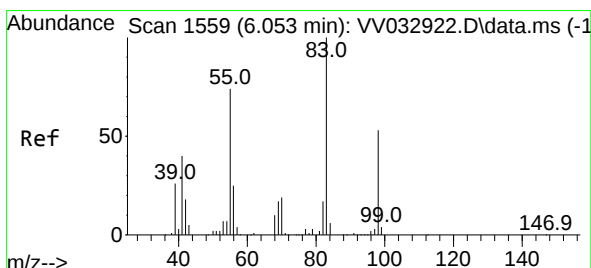
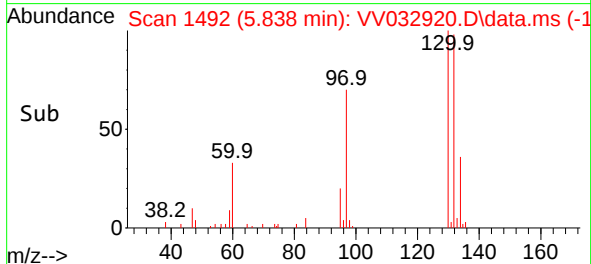
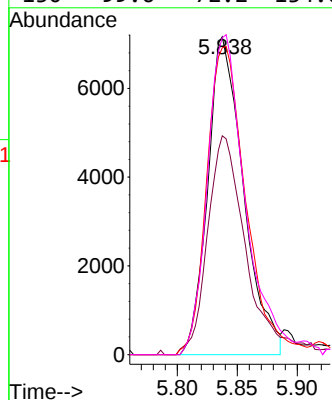
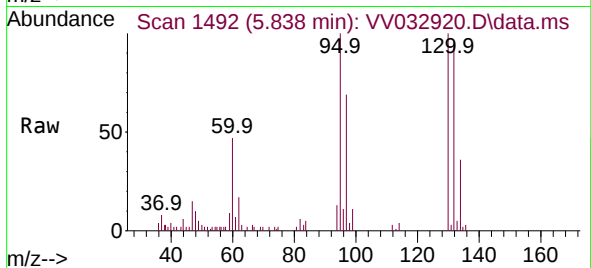
Ion Ratio Lower Upper

95 100

97 68.8 45.7 84.9

132 96.5 70.0 130.0

130 99.6 72.2 134.0



#35

Methylcyclohexane

Concen: 4.716 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. -0.003 min

Lab File: VV032920.D

Acq: 13 Nov 2023 09:58

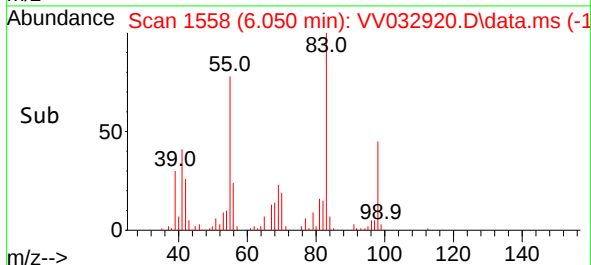
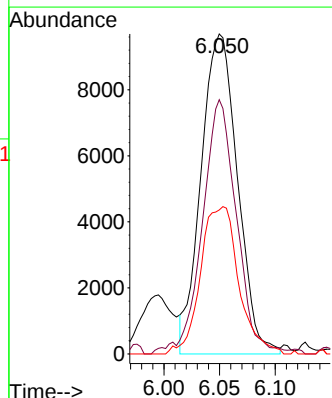
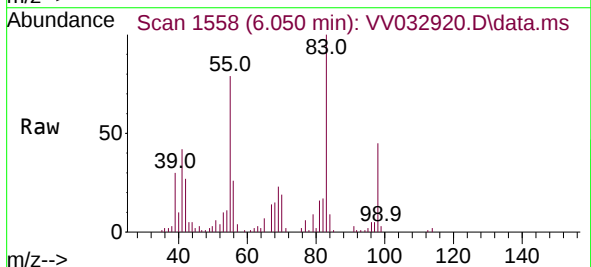
Tgt Ion: 83 Resp: 22093

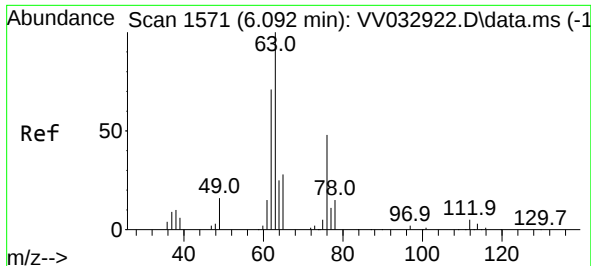
Ion Ratio Lower Upper

83 100

55 72.4 57.5 86.3

98 47.7 41.0 61.4





#37

1,2-Dichloropropane

Concen: 4.401 ug/L

RT: 6.098 min Scan# 11

Delta R.T. 0.006 min

Lab File: VV032920.D

Acq: 13 Nov 2023 09:58

Instrument :

MSVOA_V

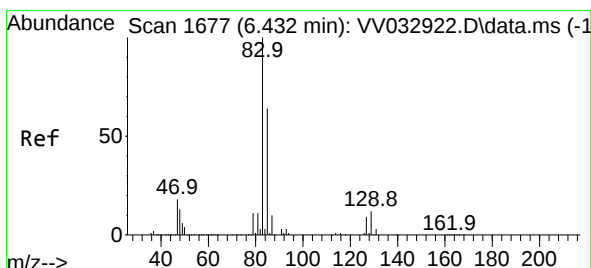
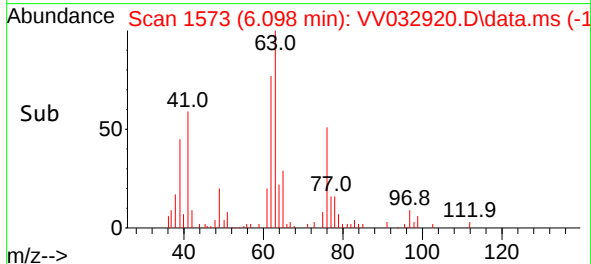
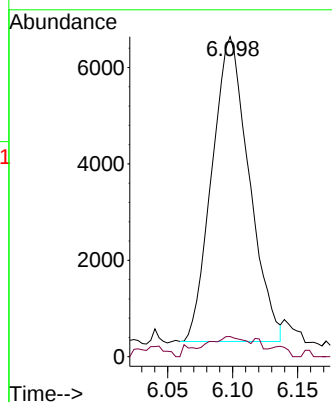
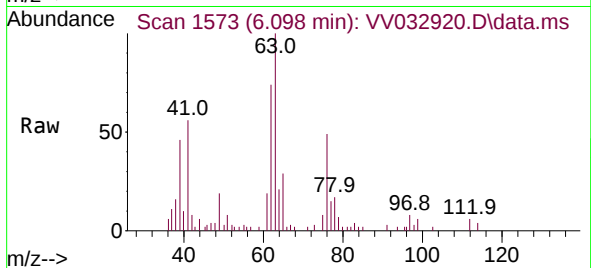
ClientSampleId :

Tgt Ion: 63 Resp: 12572

Ion Ratio Lower Upper

63 100

112 4.4 4.2 6.4



#38

Bromodichloromethane

Concen: 4.820 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.003 min

Lab File: VV032920.D

Acq: 13 Nov 2023 09:58

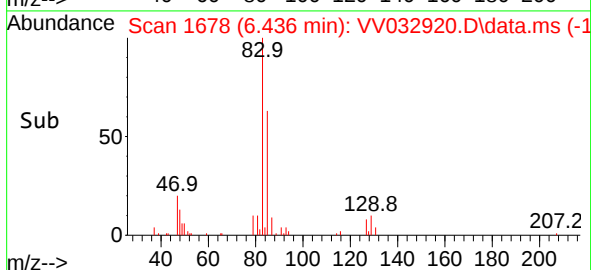
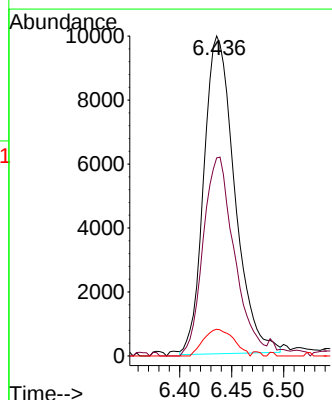
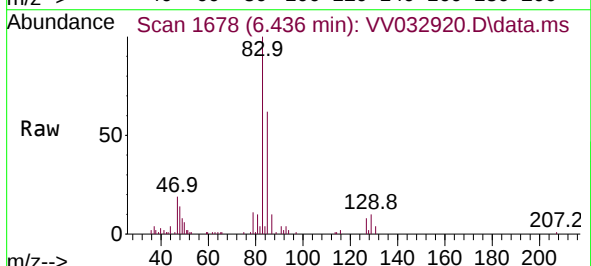
Tgt Ion: 83 Resp: 20539

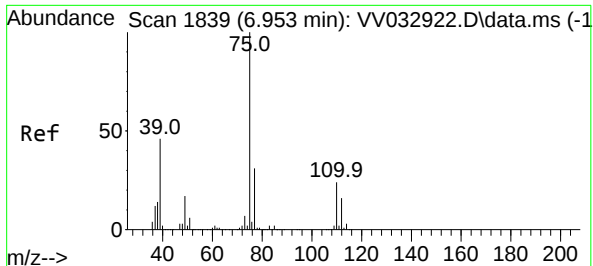
Ion Ratio Lower Upper

83 100

85 61.9 45.1 83.7

127 10.3 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 4.131 ug/L

RT: 6.960 min Scan# 1839

Delta R.T. 0.006 min

Lab File: VV032920.D

Acq: 13 Nov 2023 09:58

Instrument :

MSVOA_V

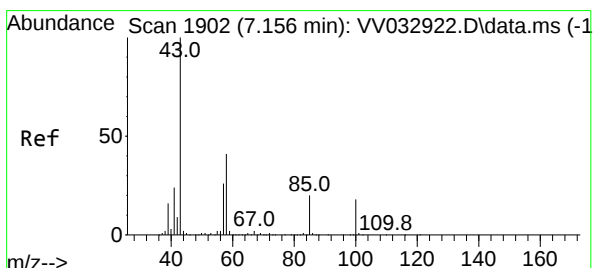
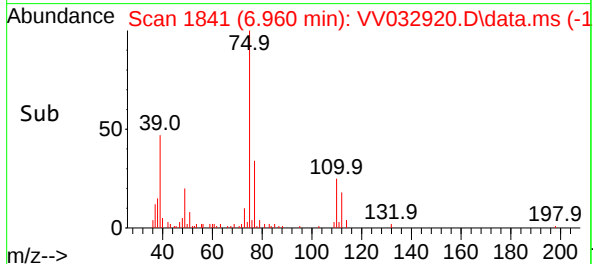
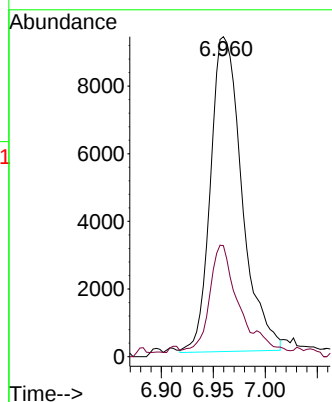
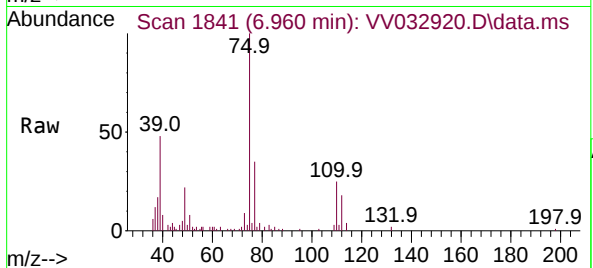
ClientSampleId :

Tgt Ion: 75 Resp: 19625

Ion Ratio Lower Upper

75 100

77 34.7 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 7.490 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VV032920.D

Acq: 13 Nov 2023 09:58

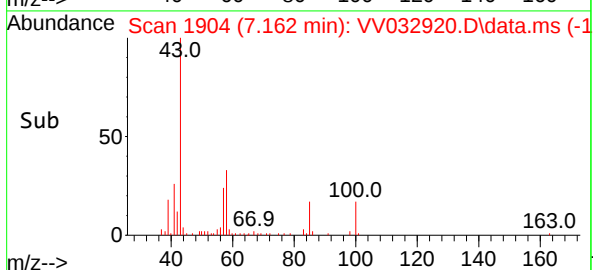
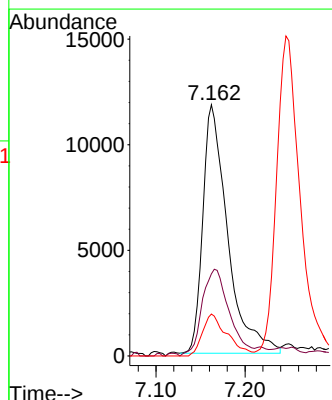
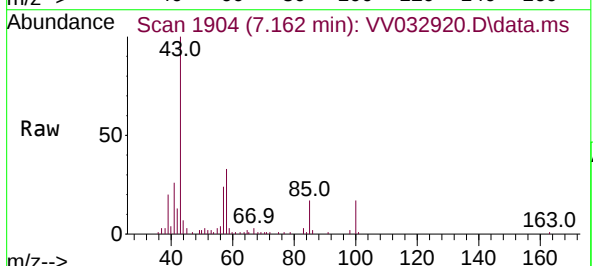
Tgt Ion: 43 Resp: 22818

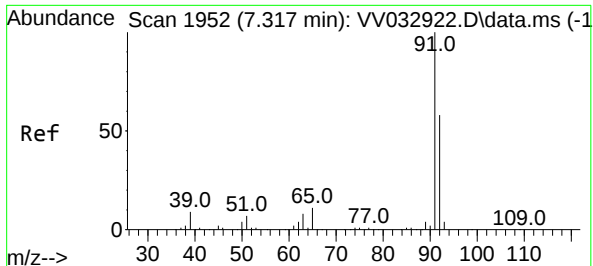
Ion Ratio Lower Upper

43 100

58 38.1 32.6 49.0

100 16.9 14.2 21.4





#42

Toluene

Concen: 4.389 ug/L

RT: 7.320 min Scan# 1952

Delta R.T. 0.003 min

Lab File: VV032920.D

Acq: 13 Nov 2023 09:58

Instrument :

MSVOA_V

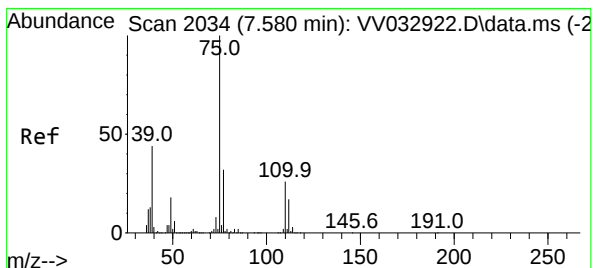
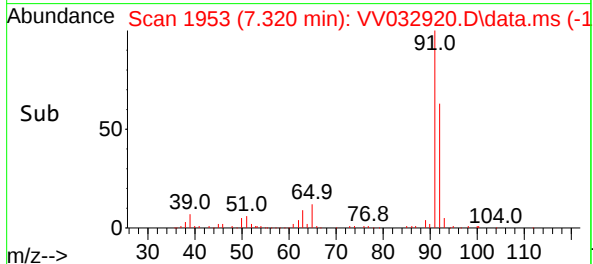
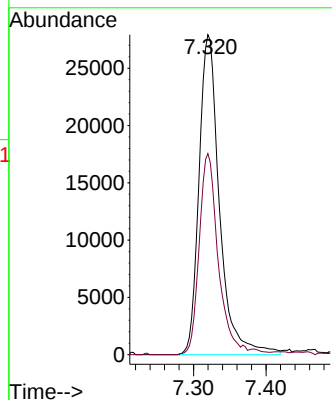
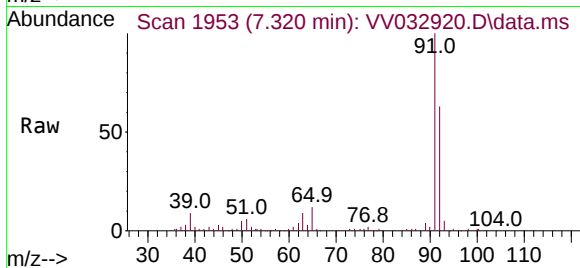
ClientSampleId :

Tgt Ion: 91 Resp: 54780

Ion Ratio Lower Upper

91 100

92 62.8 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 4.038 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.006 min

Lab File: VV032920.D

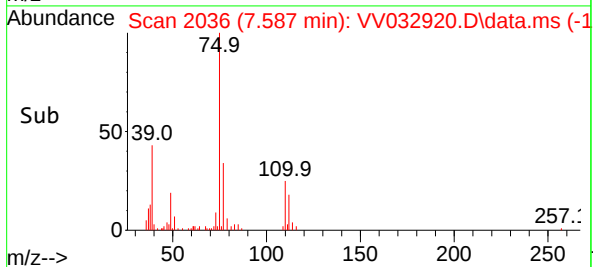
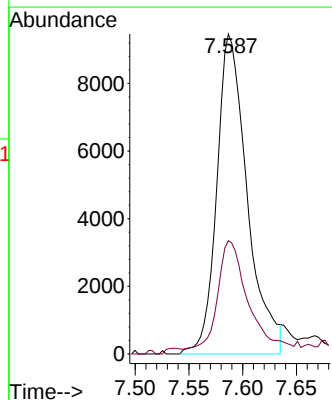
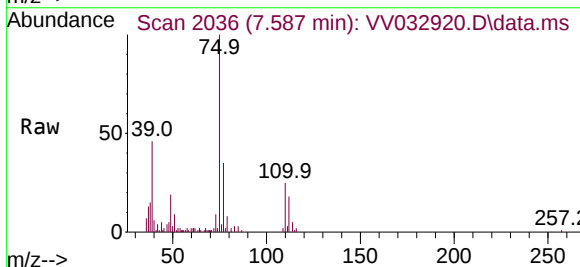
Acq: 13 Nov 2023 09:58

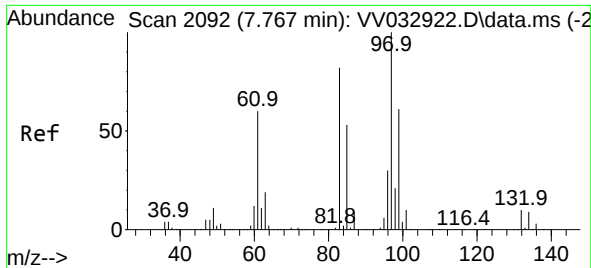
Tgt Ion: 75 Resp: 18637

Ion Ratio Lower Upper

75 100

77 35.4 22.3 41.3

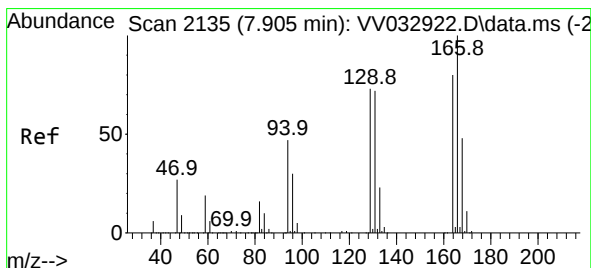
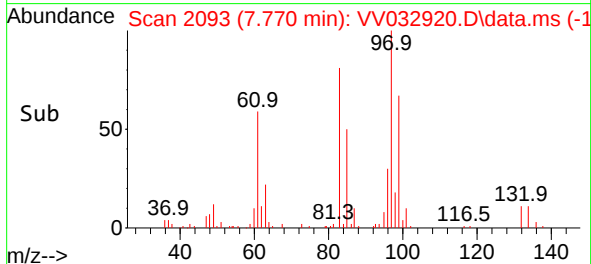
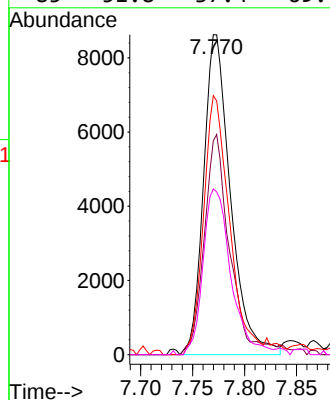
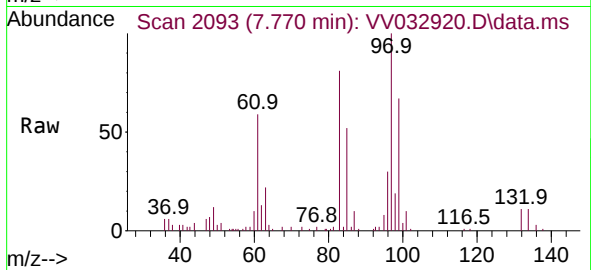




#45
1,1,2-Trichloroethane
Concen: 4.910 ug/L
RT: 7.770 min Scan# 2092
Delta R.T. 0.003 min
Lab File: VV032920.D
Acq: 13 Nov 2023 09:58

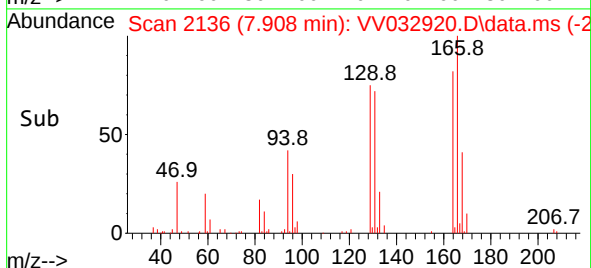
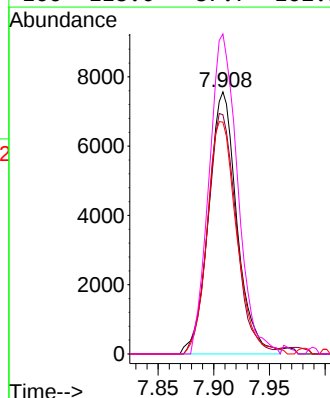
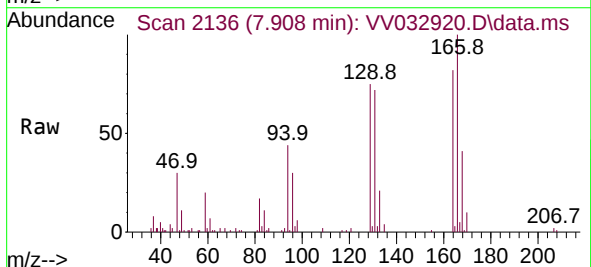
Instrument :
MSVOA_V
ClientSampleId :

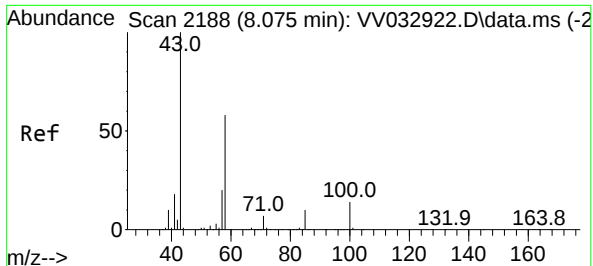
Tgt Ion:	97	Resp:	15564
Ion	Ratio	Lower	Upper
97	100		
99	66.8	42.8	79.4
83	80.9	57.4	106.6
85	51.8	37.4	69.4



#46
Tetrachloroethene
Concen: 5.015 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. 0.003 min
Lab File: VV032920.D
Acq: 13 Nov 2023 09:58

Tgt Ion:	164	Resp:	13412
Ion	Ratio	Lower	Upper
164	100		
129	91.4	64.2	119.2
131	85.5	63.5	117.9
166	118.0	87.7	162.9

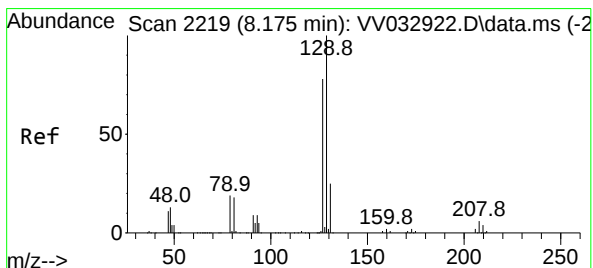
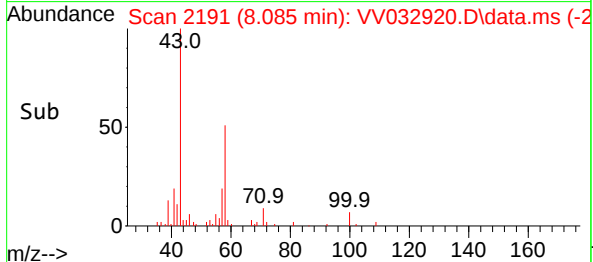
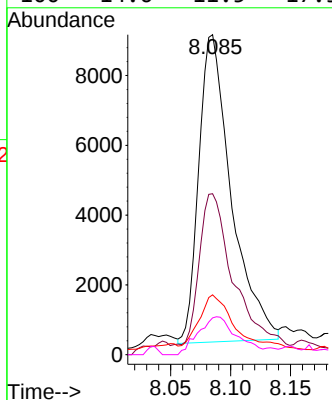
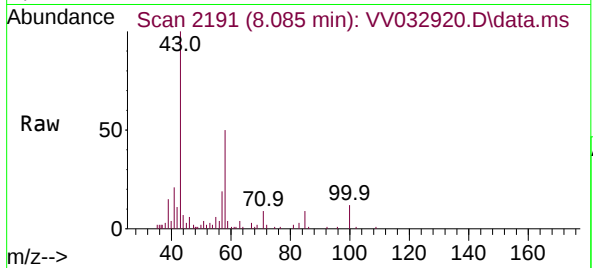




#48
2-Hexanone
Concen: 6.615 ug/L
RT: 8.085 min Scan# 2188
Delta R.T. 0.010 min
Lab File: VV032920.D
Acq: 13 Nov 2023 09:58

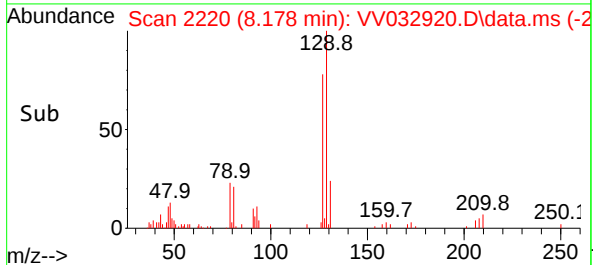
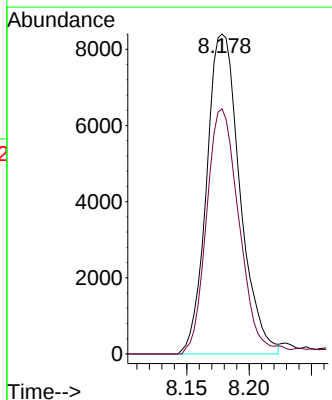
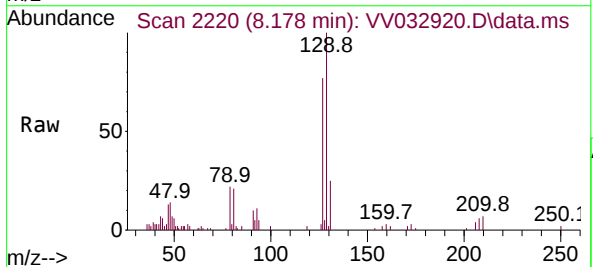
Instrument :
MSVOA_V
ClientSampleId :

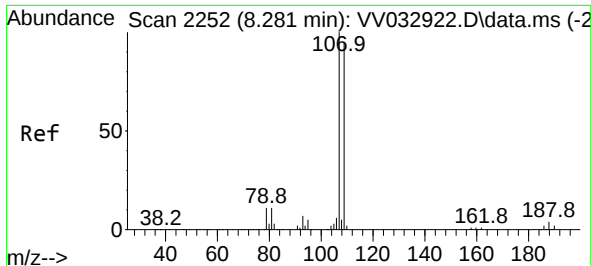
Tgt Ion: 43 Resp: 16662
Ion Ratio Lower Upper
43 100
58 57.3 44.8 67.2
57 17.1 15.2 22.8
100 14.6 11.5 17.3



#49
Dibromochloromethane
Concen: 4.583 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.003 min
Lab File: VV032920.D
Acq: 13 Nov 2023 09:58

Tgt Ion: 129 Resp: 15651
Ion Ratio Lower Upper
129 100
127 76.6 55.1 102.3





#50

1,2-Dibromoethane

Concen: 4.544 ug/L

RT: 8.288 min Scan# 21

Delta R.T. 0.006 min

Lab File: VV032920.D

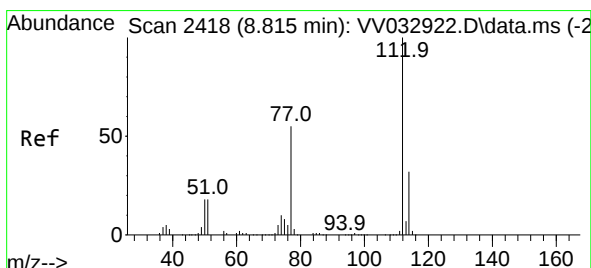
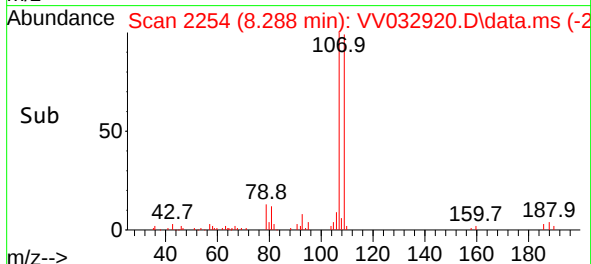
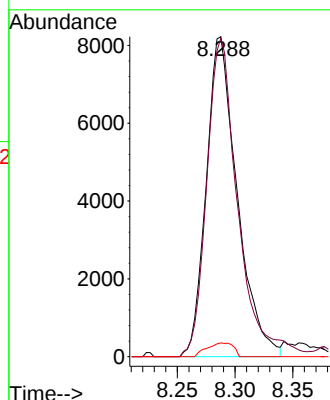
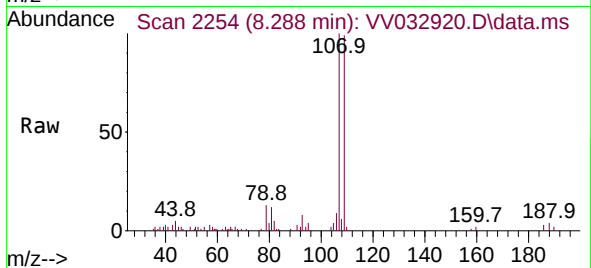
Acq: 13 Nov 2023 09:58

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	107	Resp:	15333
Ion	Ratio	Lower	Upper
107	100		
109	99.5	66.3	123.1
188	4.3	3.1	4.7



#51

Chlorobenzene

Concen: 4.799 ug/L

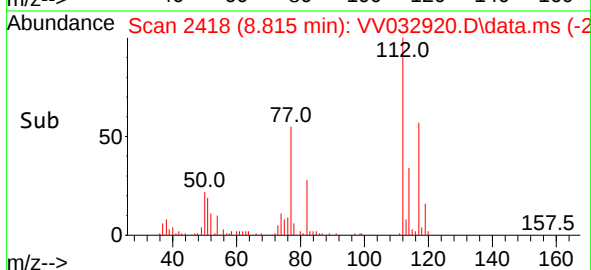
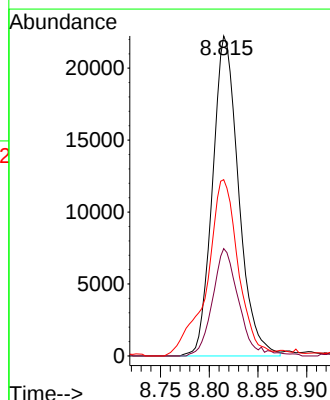
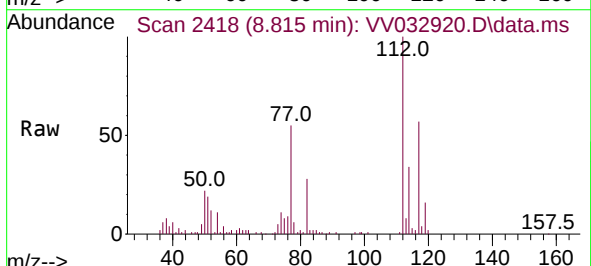
RT: 8.815 min Scan# 2418

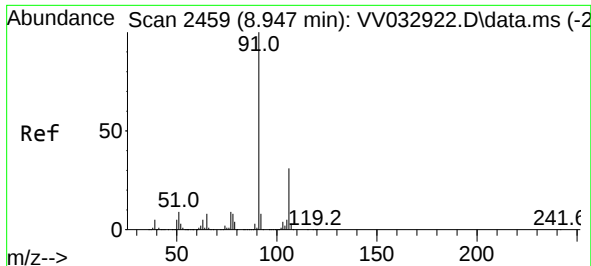
Delta R.T. -0.000 min

Lab File: VV032920.D

Acq: 13 Nov 2023 09:58

Tgt Ion:	112	Resp:	41499
Ion	Ratio	Lower	Upper
112	100		
114	33.5	22.1	41.1
77	55.1	44.2	66.2





#52

Ethylbenzene

Concen: 4.226 ug/L

RT: 8.950 min Scan# 2459

Delta R.T. 0.003 min

Lab File: VV032920.D

Acq: 13 Nov 2023 09:58

Instrument :

MSVOA_V

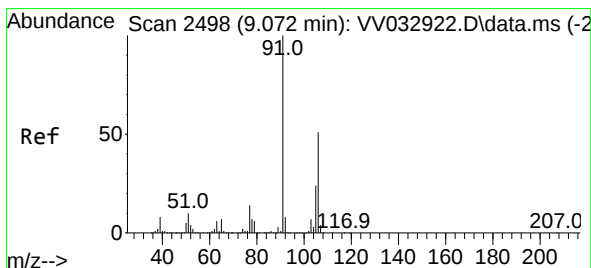
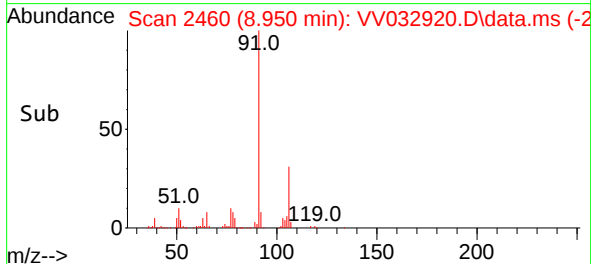
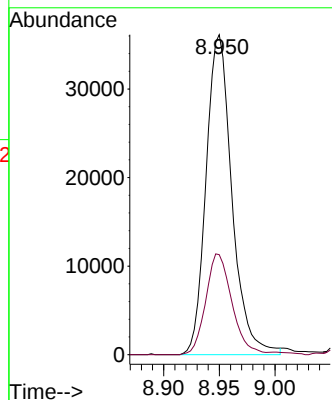
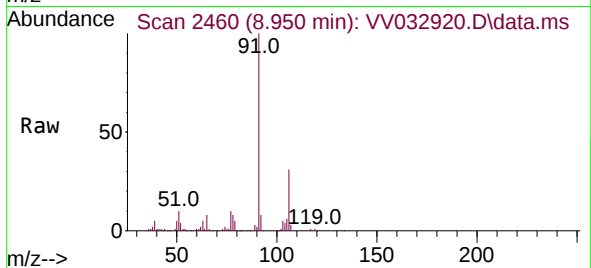
ClientSampleId :

Tgt Ion: 91 Resp: 58420

Ion Ratio Lower Upper

91 100

106 31.2 21.6 40.0



#53

m,p-Xylene

Concen: 4.145 ug/L

RT: 9.075 min Scan# 2499

Delta R.T. 0.003 min

Lab File: VV032920.D

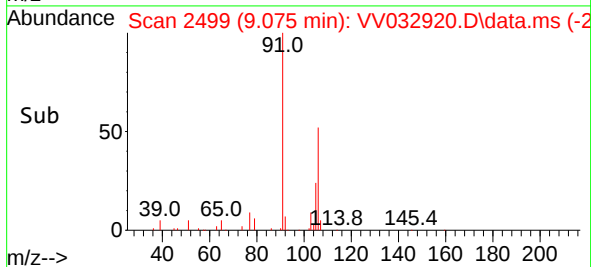
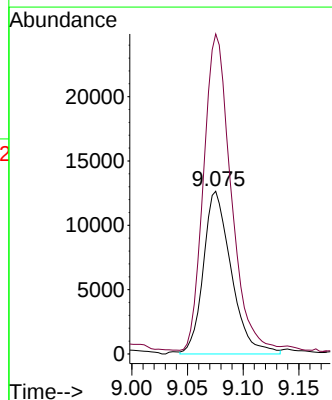
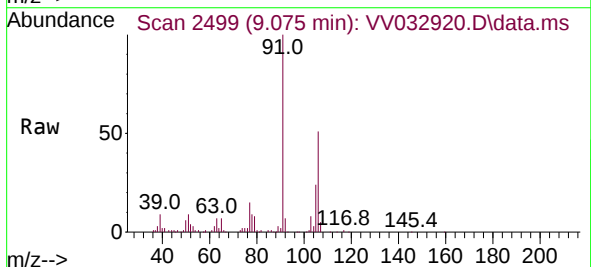
Acq: 13 Nov 2023 09:58

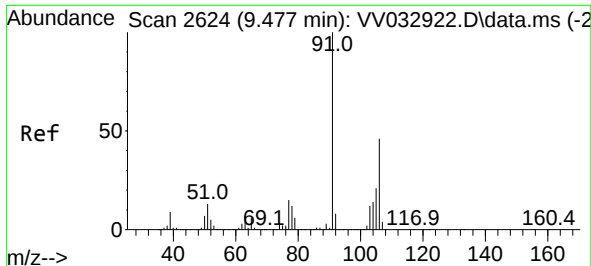
Tgt Ion: 106 Resp: 22034

Ion Ratio Lower Upper

106 100

91 196.7 137.5 255.4

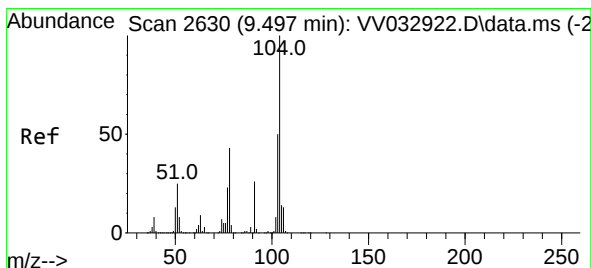
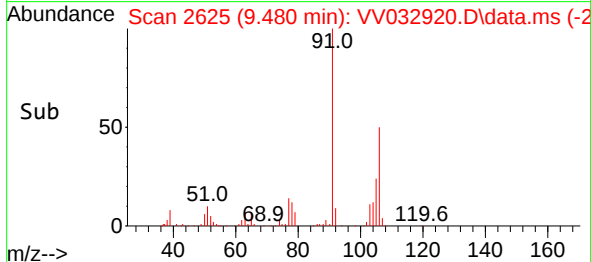
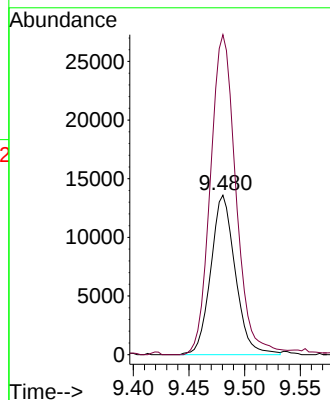
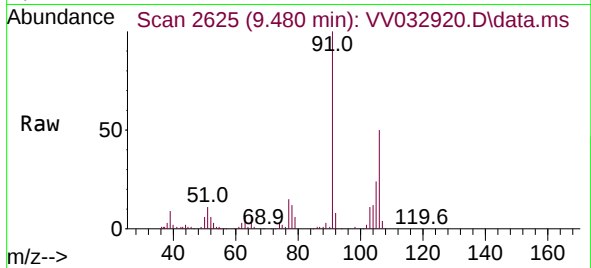




#54
o-Xylene
Concen: 4.065 ug/L
RT: 9.480 min Scan# 2625
Delta R.T. 0.003 min
Lab File: VV032920.D
Acq: 13 Nov 2023 09:58

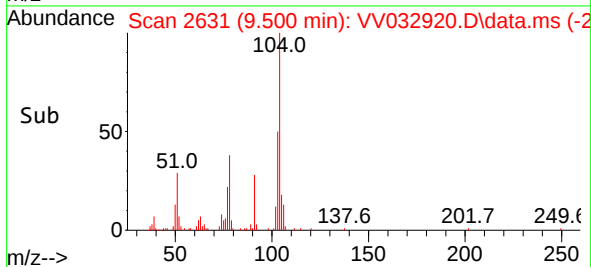
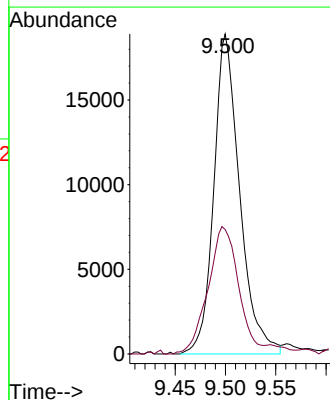
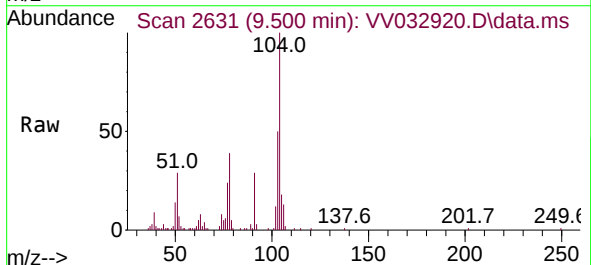
Instrument :
MSVOA_V
ClientSampleId :

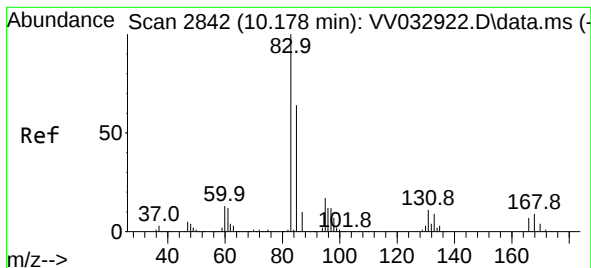
Tgt Ion:106 Resp: 20836
Ion Ratio Lower Upper
106 100
91 200.5 151.6 281.6



#55
Styrene
Concen: 3.741 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.003 min
Lab File: VV032920.D
Acq: 13 Nov 2023 09:58

Tgt Ion:104 Resp: 33822
Ion Ratio Lower Upper
104 100
78 38.9 29.8 55.4





#57

1,1,2,2-Tetrachloroethane

Concen: 4.489 ug/L

RT: 10.178 min Scan# 21891

Delta R.T. 0.000 min

Lab File: VV032920.D

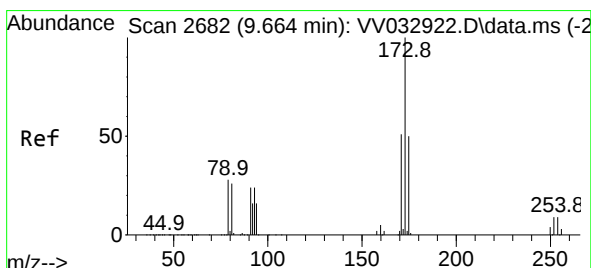
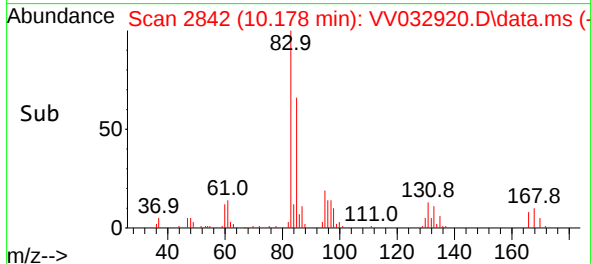
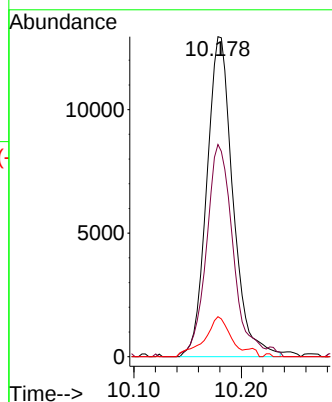
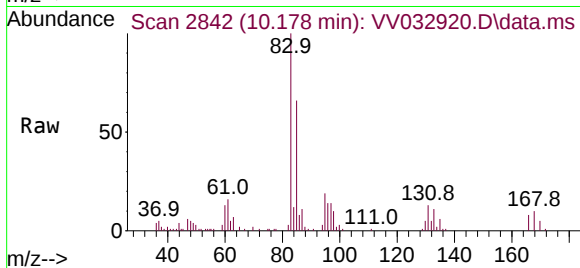
Acq: 13 Nov 2023 09:58

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	83	Resp:	21891
Ion	Ratio	Lower	Upper
83	100		
85	66.3	44.7	83.1
131	12.5	8.7	13.1



#59

Bromoform

Concen: 4.404 ug/L

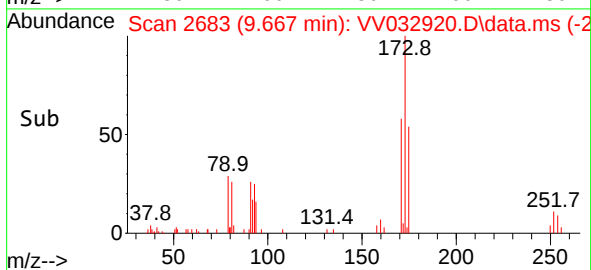
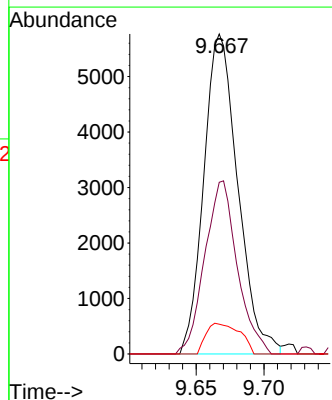
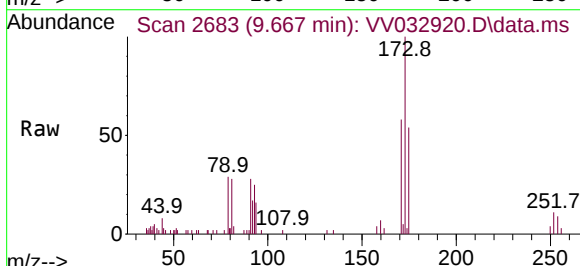
RT: 9.667 min Scan# 2683

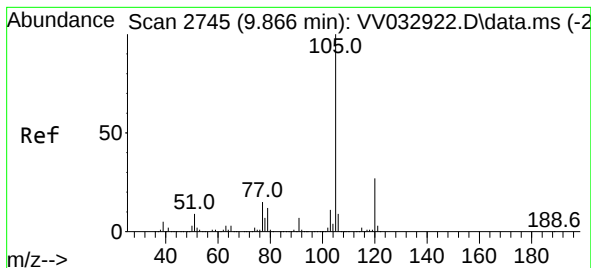
Delta R.T. 0.003 min

Lab File: VV032920.D

Acq: 13 Nov 2023 09:58

Tgt Ion:	173	Resp:	10072
Ion	Ratio	Lower	Upper
173	100		
175	51.7	39.0	58.4
254	9.5	7.0	10.6





#60

Isopropylbenzene

Concen: 4.495 ug/L

RT: 9.869 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV032920.D

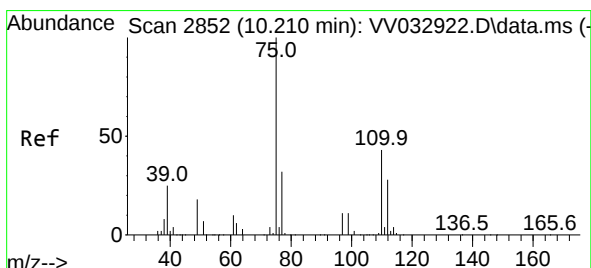
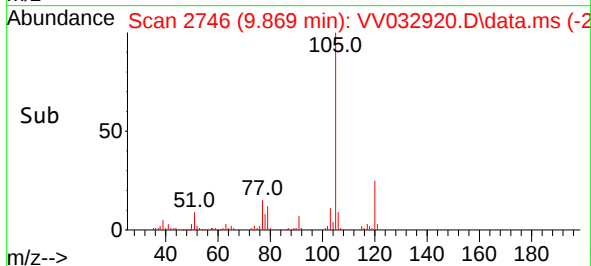
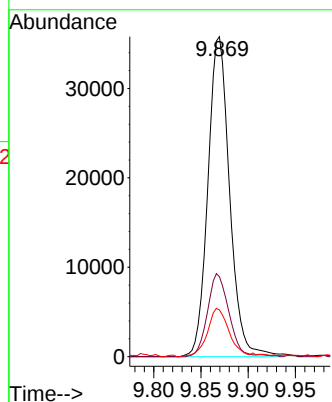
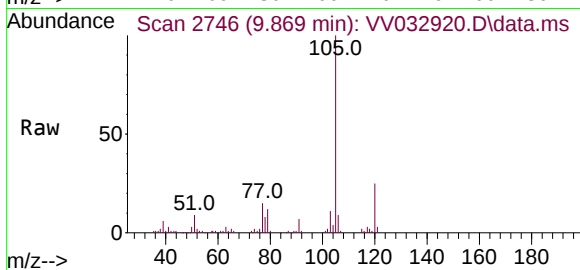
Acq: 13 Nov 2023 09:58

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	105	Resp:	57207
Ion	Ratio	Lower	Upper
105	100		
120	25.3	21.4	32.2
77	15.0	12.1	18.1



#61

1,2,3-Trichloropropane

Concen: 4.638 ug/L

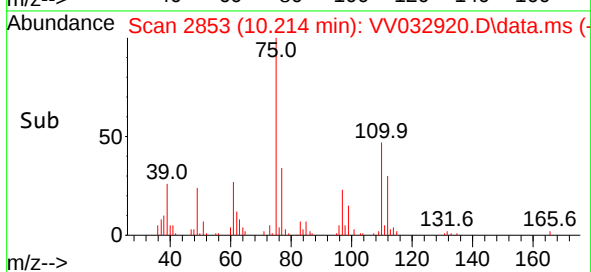
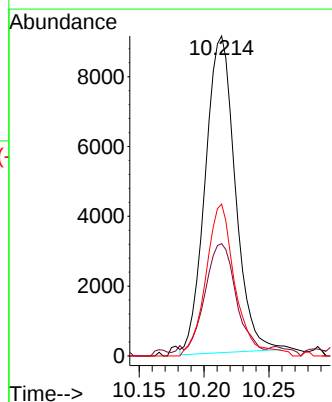
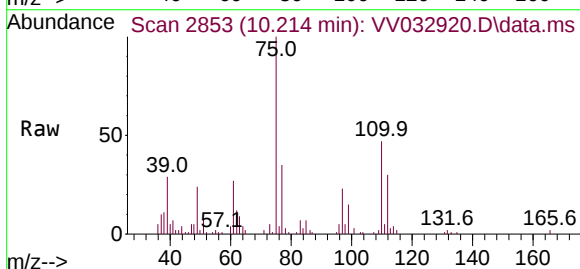
RT: 10.214 min Scan# 2853

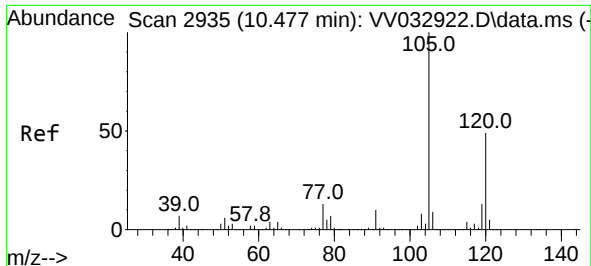
Delta R.T. 0.003 min

Lab File: VV032920.D

Acq: 13 Nov 2023 09:58

Tgt Ion:	75	Resp:	14595
Ion	Ratio	Lower	Upper
75	100		
77	35.7	25.0	37.6
110	46.8	34.6	52.0

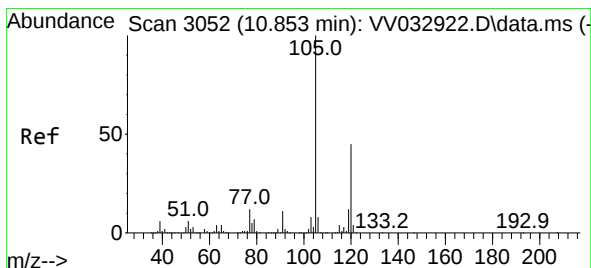
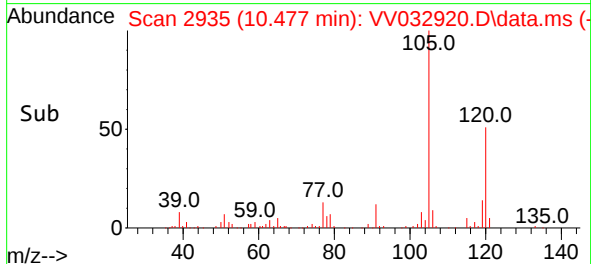
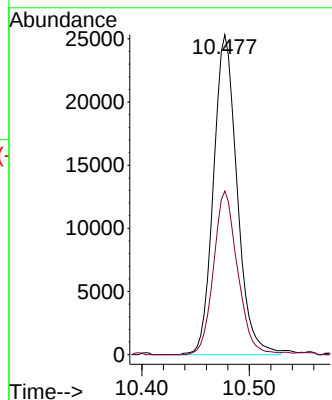
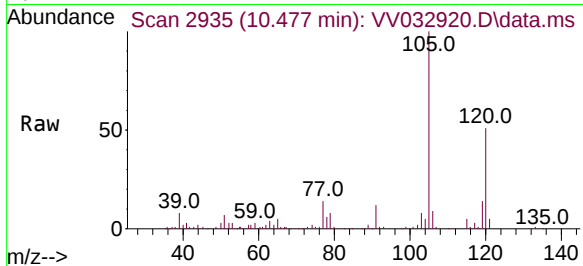




#62
 1,3,5-Trimethylbenzene
 Concen: 4.002 ug/L
 RT: 10.477 min Scan# 2935
 Delta R.T. -0.000 min
 Lab File: VV032920.D
 Acq: 13 Nov 2023 09:58

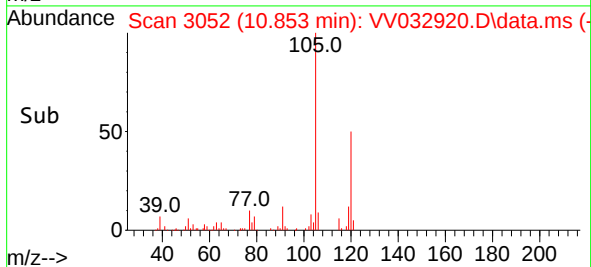
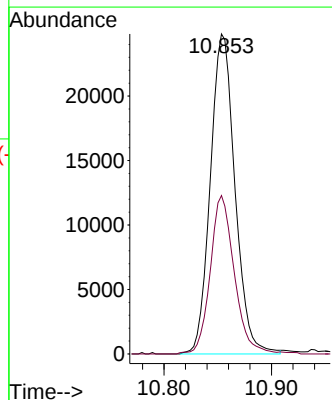
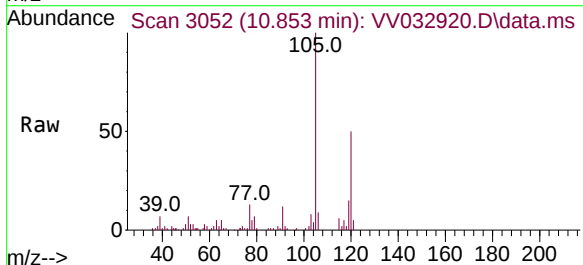
Instrument :
 MSVOA_V
 ClientSampleId :

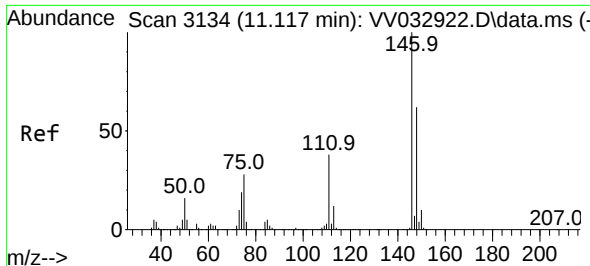
Tgt Ion:105 Resp: 38638
 Ion Ratio Lower Upper
 105 100
 120 51.9 39.6 59.4



#63
 1,2,4-Trimethylbenzene
 Concen: 3.921 ug/L
 RT: 10.853 min Scan# 3052
 Delta R.T. -0.000 min
 Lab File: VV032920.D
 Acq: 13 Nov 2023 09:58

Tgt Ion:105 Resp: 39580
 Ion Ratio Lower Upper
 105 100
 120 48.1 36.3 54.5

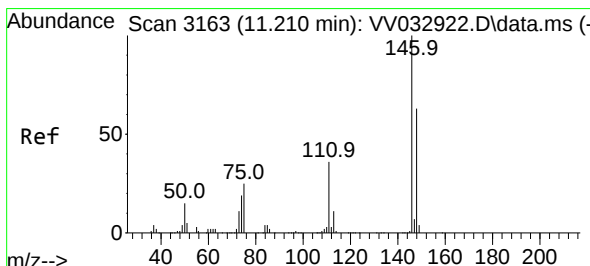
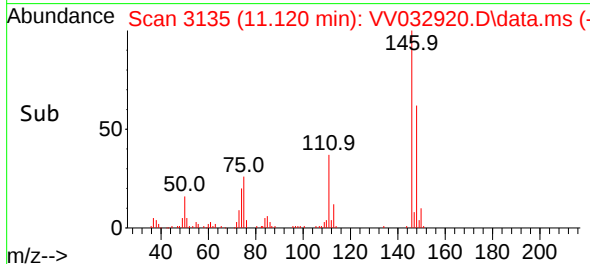
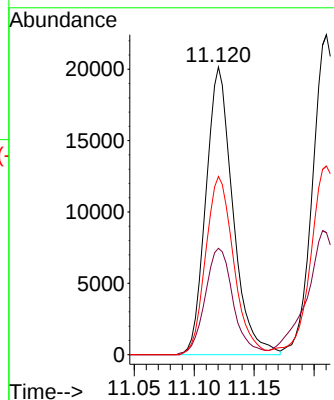
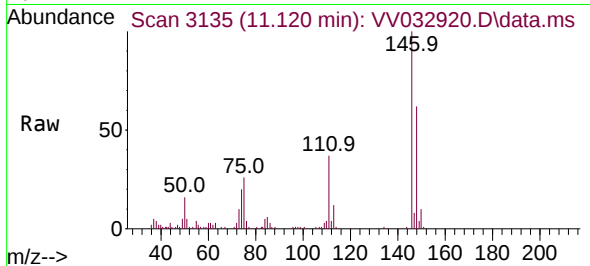




#64
1,3-Dichlorobenzene
Concen: 4.754 ug/L
RT: 11.120 min Scan# 3134
Delta R.T. 0.003 min
Lab File: VV032920.D
Acq: 13 Nov 2023 09:58

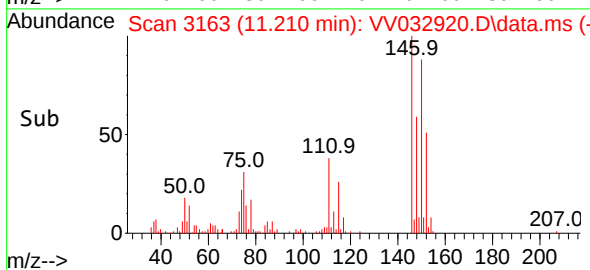
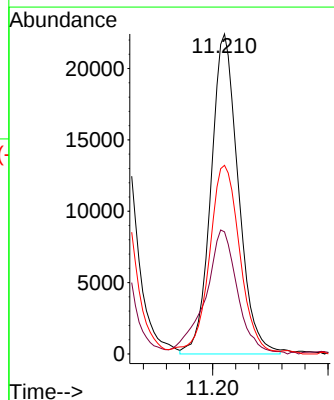
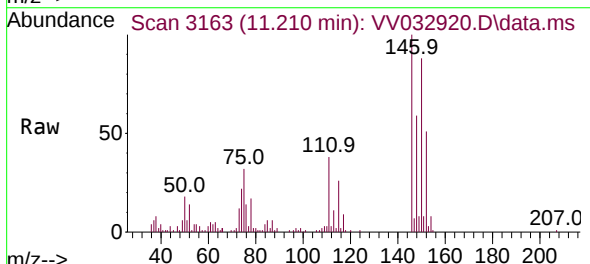
Instrument :
MSVOA_V
ClientSampleId :

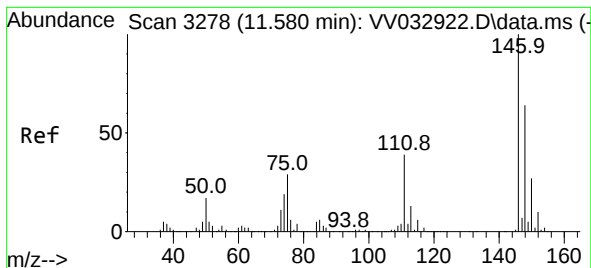
Tgt Ion:146 Resp: 31554
Ion Ratio Lower Upper
146 100
111 37.0 26.9 49.9
148 62.0 43.6 81.0



#65
1,4-Dichlorobenzene
Concen: 5.183 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. -0.000 min
Lab File: VV032920.D
Acq: 13 Nov 2023 09:58

Tgt Ion:146 Resp: 36897
Ion Ratio Lower Upper
146 100
111 38.1 25.5 47.3
148 58.9 44.4 82.5





#67

1,2-Dichlorobenzene

Concen: 4.951 ug/L

RT: 11.583 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV032920.D

Acq: 13 Nov 2023 09:58

Instrument :

MSVOA_V

ClientSampleId :

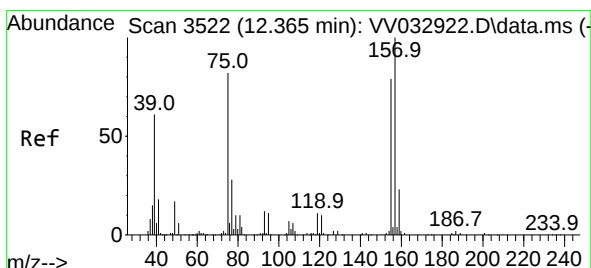
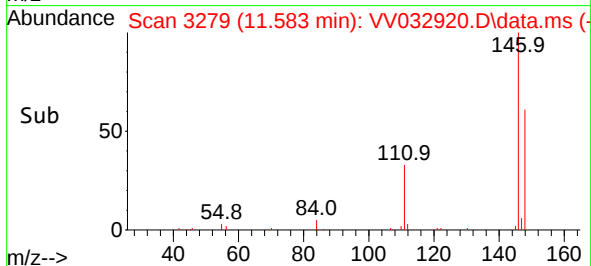
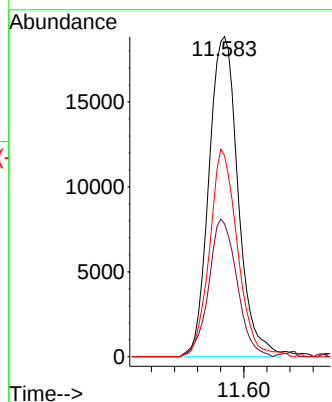
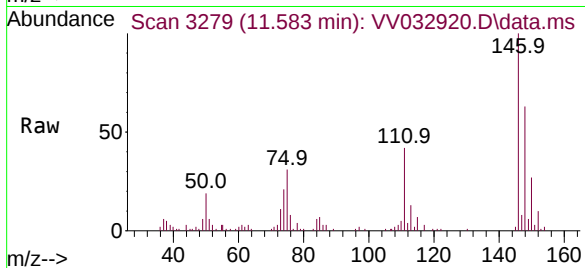
Tgt Ion:146 Resp: 33046

Ion Ratio Lower Upper

146 100

111 41.5 31.1 46.7

148 62.9 51.4 77.0



#68

1,2-Dibromo-3-chloropropane

Concen: 4.528 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. 0.003 min

Lab File: VV032920.D

Acq: 13 Nov 2023 09:58

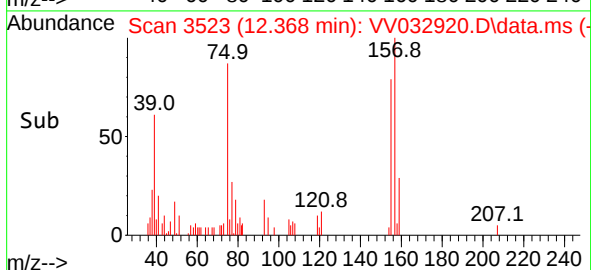
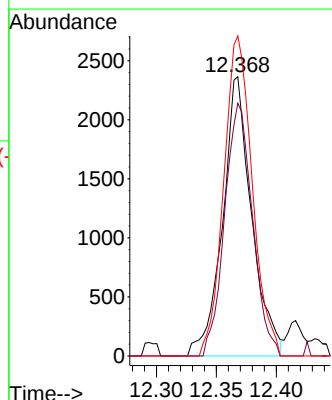
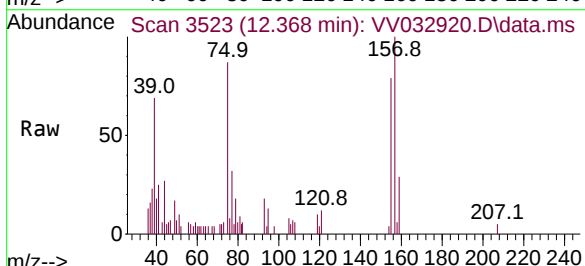
Tgt Ion: 75 Resp: 3982

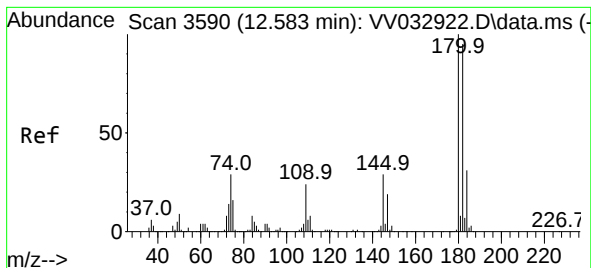
Ion Ratio Lower Upper

75 100

155 90.5 76.8 115.2

157 114.6 97.6 146.4





#69

1,3,5-Trichlorobenzene

Concen: 4.849 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. -0.000 min

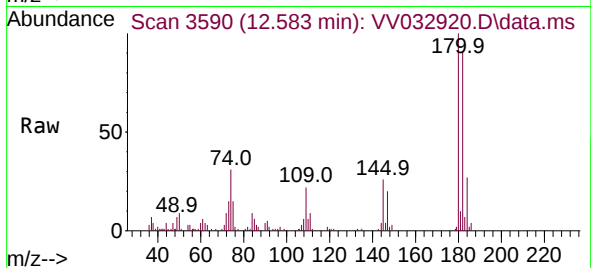
Lab File: VV032920.D

Acq: 13 Nov 2023 09:58

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 24150

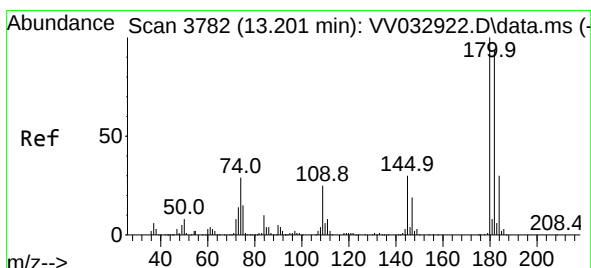
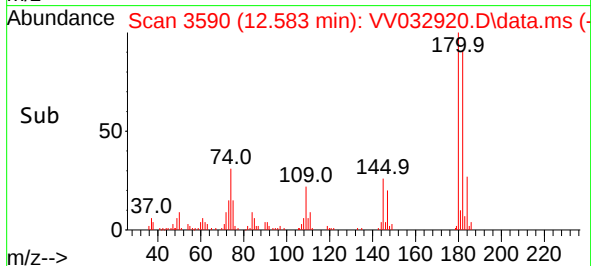
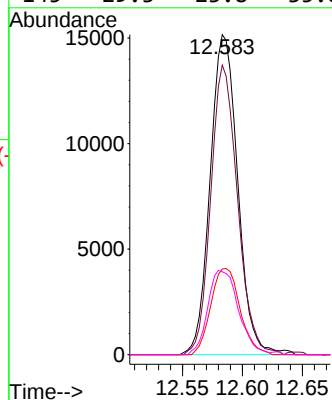
Ion Ratio Lower Upper

180 100

182 88.0 75.9 113.9

184 28.7 24.6 36.8

145 29.3 23.8 35.8



#70

1,2,4-trichlorobenzene

Concen: 4.463 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.000 min

Lab File: VV032920.D

Acq: 13 Nov 2023 09:58

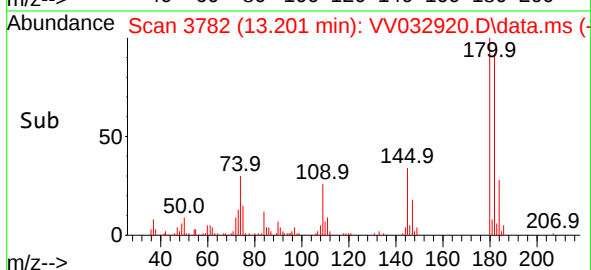
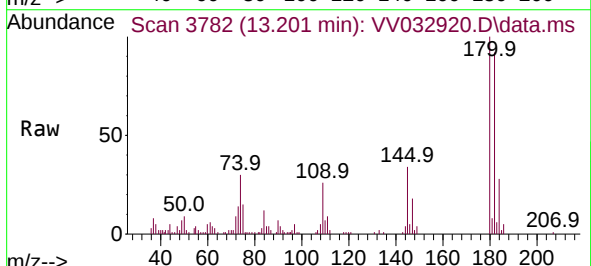
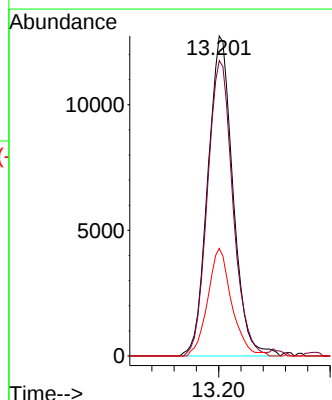
Tgt Ion:180 Resp: 19966

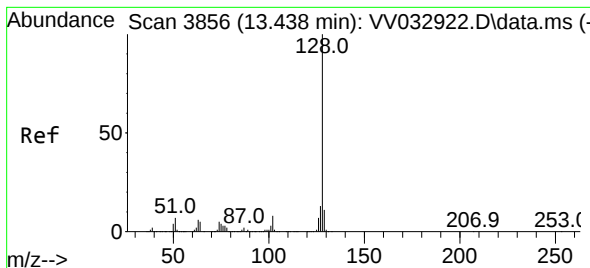
Ion Ratio Lower Upper

180 100

182 92.8 77.0 115.4

145 31.7 24.3 36.5





#71

Naphthalene

Concen: 3.702 ug/L

RT: 13.442 min Scan# 3856

Delta R.T. 0.003 min

Lab File: VV032920.D

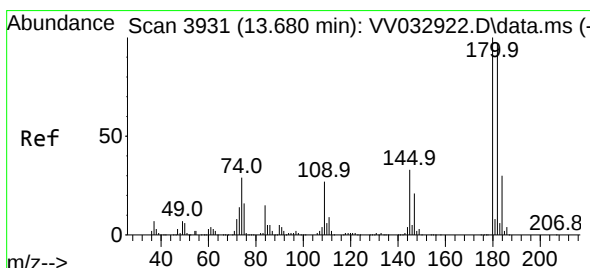
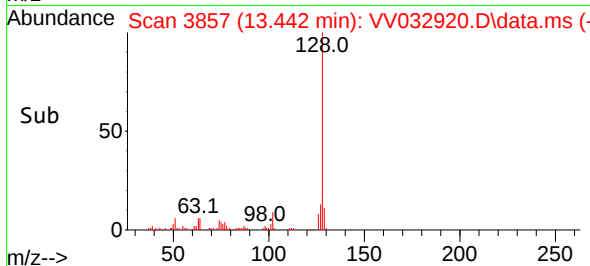
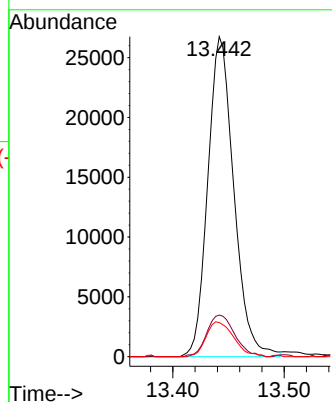
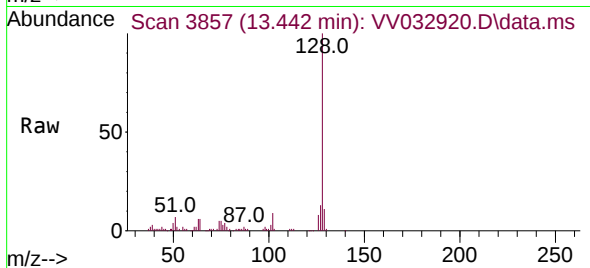
Acq: 13 Nov 2023 09:58

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:128	Resp:	43520
Ion Ratio	Lower	Upper
128	100	
127	14.0	10.4 15.6
129	11.5	8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 4.638 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.003 min

Lab File: VV032920.D

Acq: 13 Nov 2023 09:58

Tgt Ion:180	Resp:	20882
Ion Ratio	Lower	Upper
180	100	
182	92.3	76.9 115.3
145	30.5	26.1 39.1

