

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW072823\
 Data File : VW031781.D
 Acq On : 28 Jul 2023 14:39
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 28 22:40:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 28 22:38:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	340121	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	366282	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	224300	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	145261	41.894	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.780%
7) Chloroethane-d5	1.529	69	141934	44.668	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.340%
11) 1,1-Dichloroethene-d2	2.056	65	57071	35.559	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.120%
21) 2-Butanone-d5	3.786	46	259491	108.155	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.160%
24) Chloroform-d	4.252	84	355813	49.913	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.820%
26) 1,2-Dichloroethane-d4	4.944	65	217110	48.949	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.900%
32) Benzene-d6	4.963	84	563282	48.564	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.120%
36) 1,2-Dichloropropane-d6	5.992	67	201510	46.251	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.500%
41) Toluene-d8	7.246	98	498118	51.237	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.480%
43) trans-1,3-Dichloroprop...	7.554	79	90790	48.481	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.960%
47) 2-Hexanone-d5	8.030	63	185303	113.417	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.420%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	320152	53.332	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.660%
66) 1,2-Dichlorobenzene-d4	11.567	152	217842	47.968	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.940%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	181231	43.115	ug/L	99
3) Chloromethane	1.220	50	196812	49.229	ug/L	98
5) Vinyl chloride	1.281	62	210961	52.093	ug/L	99
6) Bromomethane	1.481	94	144469	51.758	ug/L	100
8) Chloroethane	1.545	64	131153	48.523	ug/L	100
9) Trichlorofluoromethane	1.712	101	350234	51.302	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	185281	46.982	ug/L	98
12) 1,1-Dichloroethene	2.069	96	153445	46.816	ug/L	89
13) Acetone	2.114	43	170407	74.203	ug/L	98
14) Carbon disulfide	2.240	76	404482	50.203	ug/L	100
15) Methyl Acetate	2.375	43	217969	54.504	ug/L	97
16) Methylene chloride	2.445	84	189640	51.500	ug/L	97
17) trans-1,2-Dichloroethene	2.693	96	150389	51.580	ug/L	96
18) Methyl tert-butyl Ether	2.709	73	509959	53.166	ug/L	99
19) 1,1-Dichloroethane	3.111	63	345300	51.161	ug/L	98
20) cis-1,2-Dichloroethene	3.815	96	173915	52.819	ug/L	99
22) 2-Butanone	3.870	43	263031	100.699	ug/L	99
23) Bromochloromethane	4.149	128	97147	53.285	ug/L	97
25) Chloroform	4.278	83	369366	51.665	ug/L	97

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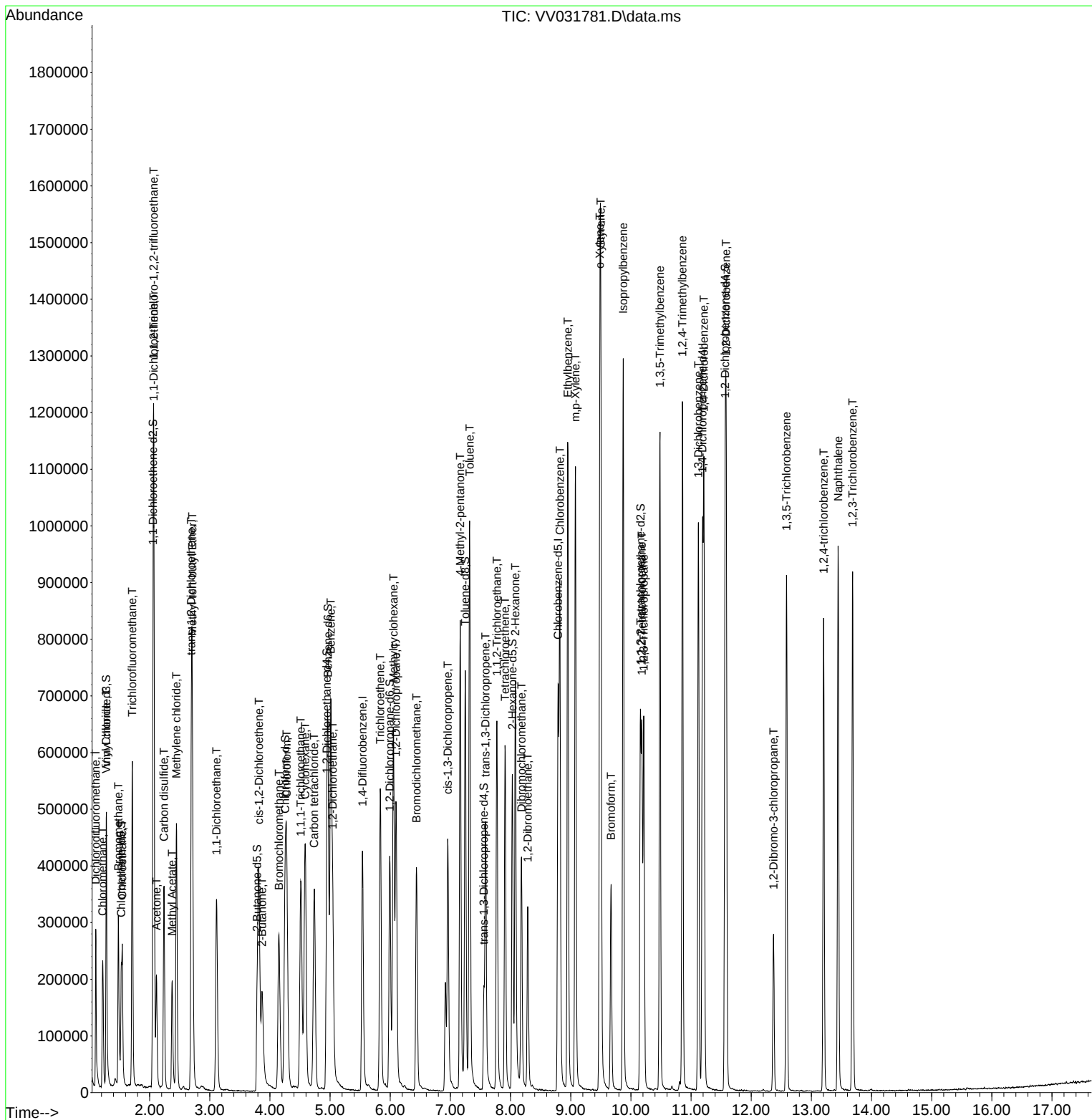
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 ClientSampleId :

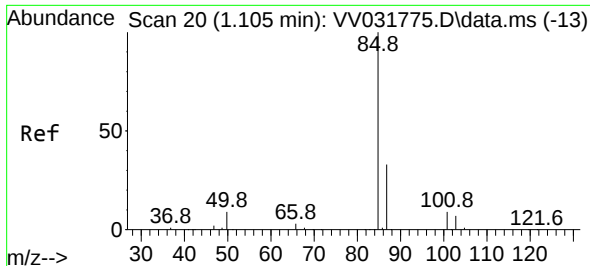
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 Quant Title : VOC Analysis
 QLast Update : Fri Jul 28 22:38:33 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	274675	51.658	ug/L	99
29) Cyclohexane	4.587	56	221601	49.135	ug/L	98
30) 1,1,1-Trichloroethane	4.513	97	320041	50.865	ug/L	98
31) Carbon tetrachloride	4.735	117	276398	50.312	ug/L	100
33) Benzene	5.011	78	686392	53.277	ug/L	100
34) Trichloroethene	5.834	95	193419	47.576	ug/L	97
35) Methylcyclohexane	6.053	83	241717	53.453	ug/L	97
37) 1,2-Dichloropropane	6.095	63	199290	52.073	ug/L	100
38) Bromodichloromethane	6.436	83	274078	50.204	ug/L	99
39) cis-1,3-Dichloropropene	6.956	75	269664	49.633	ug/L	98
40) 4-Methyl-2-pentanone	7.162	43	561182	115.131	ug/L	97
42) Toluene	7.320	91	737321	55.725	ug/L	100
44) trans-1,3-Dichloropropene	7.583	75	284273	52.430	ug/L	98
45) 1,1,2-Trichloroethane	7.773	97	199078	51.551	ug/L	98
46) Tetrachloroethene	7.908	164	133558	51.993	ug/L	96
48) 2-Hexanone	8.079	43	451333	116.085	ug/L	96
49) Dibromochloromethane	8.181	129	215440	52.867	ug/L	96
50) 1,2-Dibromoethane	8.284	107	211933	52.093	ug/L	99
51) Chlorobenzene	8.818	112	459029	51.921	ug/L	99
52) Ethylbenzene	8.950	91	768411	53.590	ug/L	100
53) m,p-Xylene	9.079	106	288001	55.697	ug/L	97
54) o-Xylene	9.484	106	264873	53.447	ug/L	98
55) Styrene	9.500	104	529783	58.521	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.181	83	306815	57.296	ug/L #	95
59) Bromoform	9.670	173	161886	52.639	ug/L	98
60) Isopropylbenzene	9.873	105	759304	54.242	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	267766	50.895	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	593278	52.380	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	622399	54.282	ug/L	98
64) 1,3-Dichlorobenzene	11.123	146	386926	52.877	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	406017	52.195	ug/L	98
67) 1,2-Dichlorobenzene	11.583	146	392348	52.075	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.371	75	74312	50.783	ug/L	91
69) 1,3,5-Trichlorobenzene	12.586	180	271872	50.941	ug/L	98
70) 1,2,4-trichlorobenzene	13.204	180	237579	49.758	ug/L	99
71) Naphthalene	13.445	128	707778	51.425	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	263952	52.885	ug/L	99

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

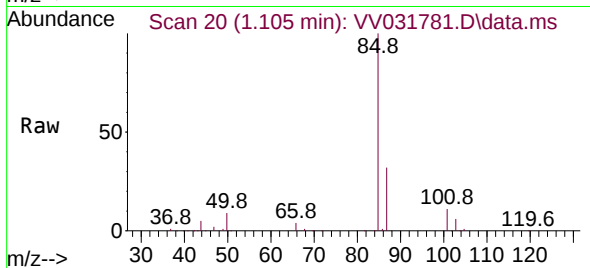
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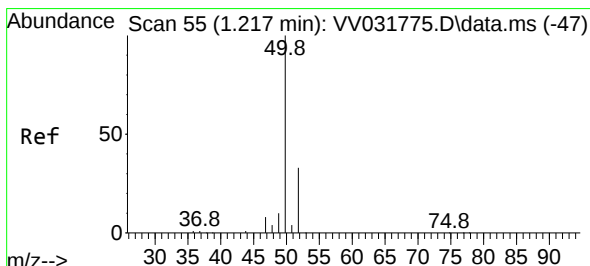
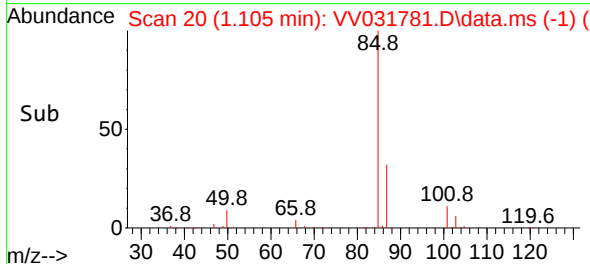
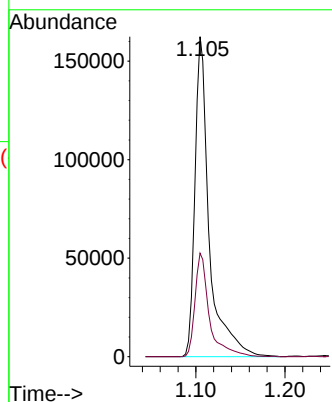


#2
 Dichlorodifluoromethane
 Concen: 43.115 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV031781.D
 Acq: 28 Jul 2023 14:39

Instrument :
 MSVOA_V
 ClientSampleId :

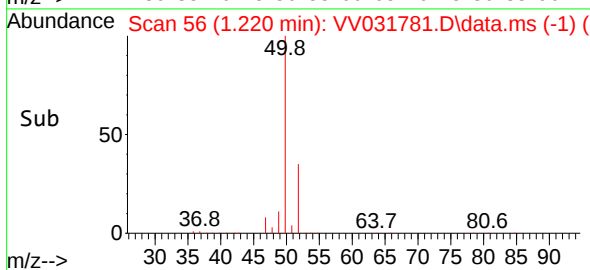
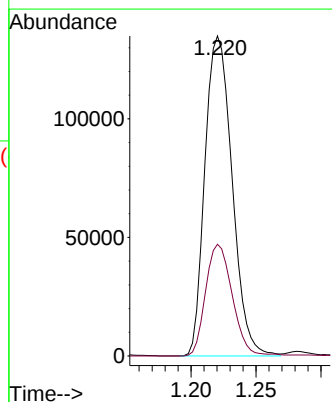
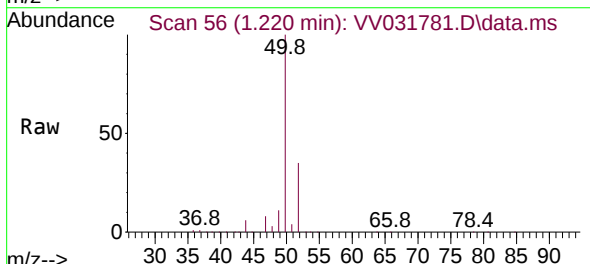


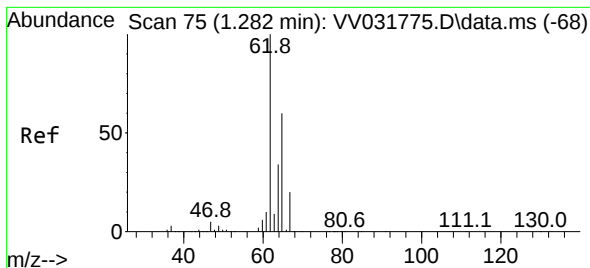
Tgt Ion: 85 Resp: 181231
 Ion Ratio Lower Upper
 85 100
 87 32.6 25.8 38.6



#3
 Chloromethane
 Concen: 49.229 ug/L
 RT: 1.220 min Scan# 56
 Delta R.T. 0.003 min
 Lab File: VV031781.D
 Acq: 28 Jul 2023 14:39

Tgt Ion: 50 Resp: 196812
 Ion Ratio Lower Upper
 50 100
 52 34.9 23.7 44.1





#5

Vinyl chloride

Concen: 52.093 ug/L

RT: 1.281 min Scan# 75

Delta R.T. -0.000 min

Lab File: VV031781.D

Acq: 28 Jul 2023 14:39

Instrument :

MSVOA_V

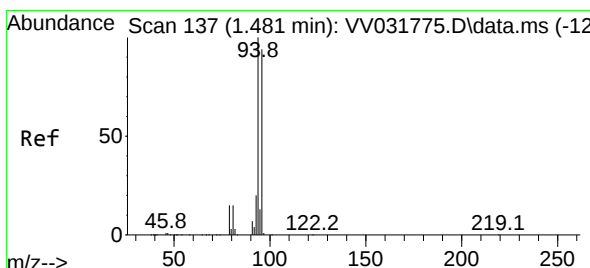
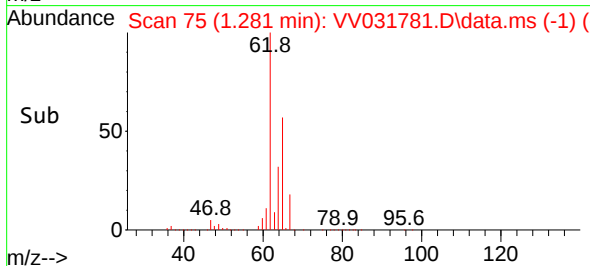
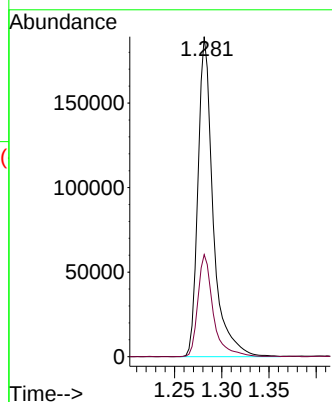
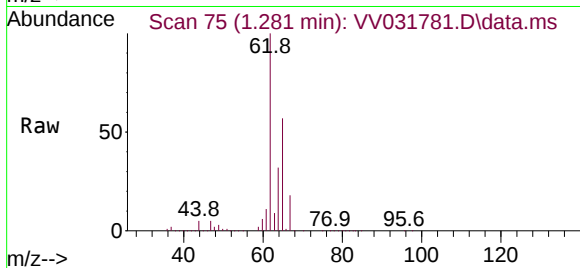
ClientSampleId :

Tgt Ion: 62 Resp: 210961

Ion Ratio Lower Upper

62 100

64 31.9 22.9 42.5



#6

Bromomethane

Concen: 51.758 ug/L

RT: 1.481 min Scan# 137

Delta R.T. -0.000 min

Lab File: VV031781.D

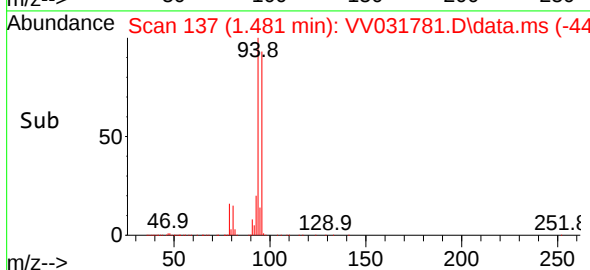
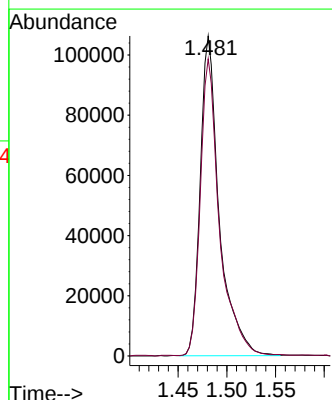
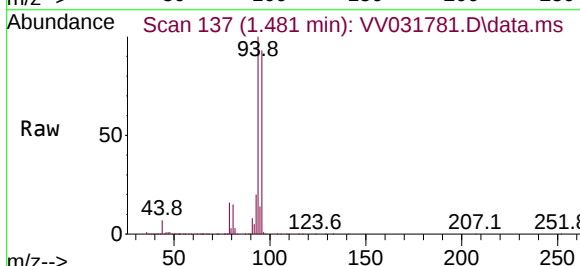
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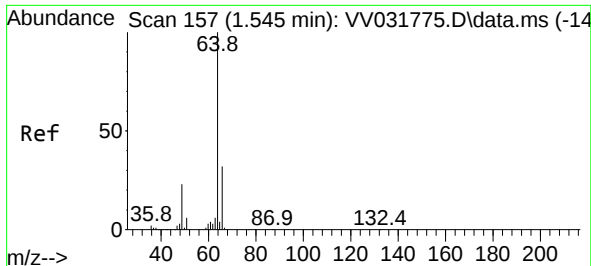
Tgt Ion: 94 Resp: 144469

Ion Ratio Lower Upper

94 100

96 94.0 65.7 121.9

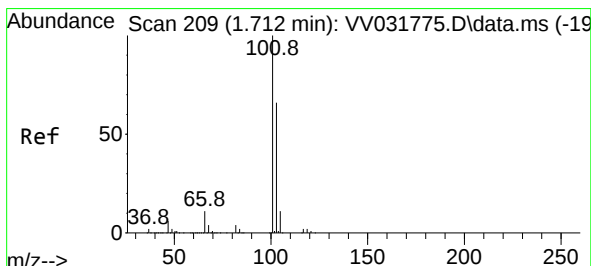
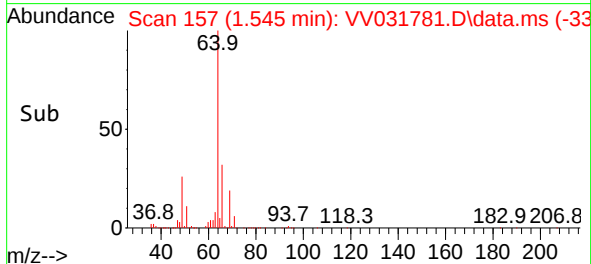
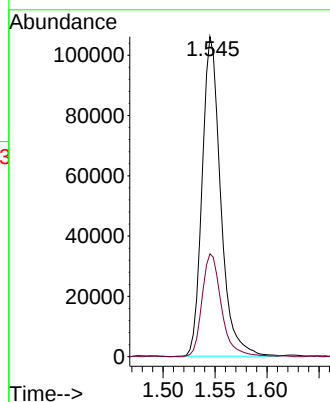
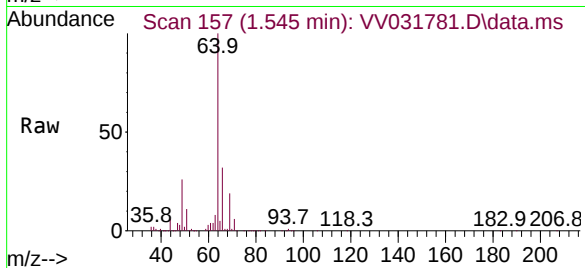




#8
Chloroethane
Concen: 48.523 ug/L
RT: 1.545 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV031781.D
Acq: 28 Jul 2023 14:39

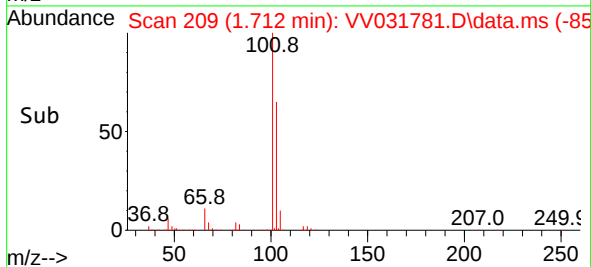
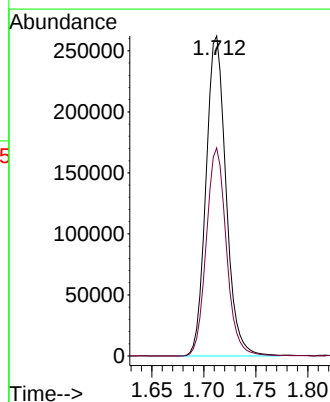
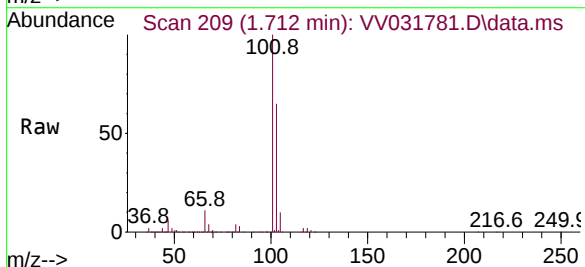
Instrument :
MSVOA_V
ClientSampleId :

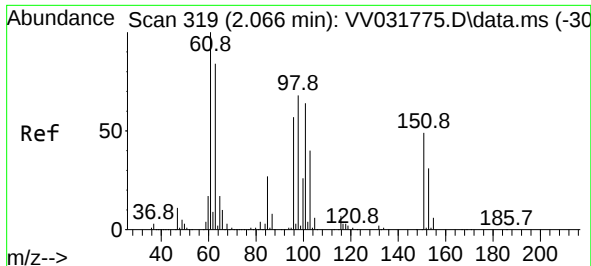
Tgt Ion: 64 Resp: 131153
Ion Ratio Lower Upper
64 100
66 32.2 22.4 41.6



#9
Trichlorofluoromethane
Concen: 51.302 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV031781.D
Acq: 28 Jul 2023 14:39

Tgt Ion:101 Resp: 350234
Ion Ratio Lower Upper
101 100
103 65.3 51.7 77.5





#10

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

Concen: 46.982 ug/L

RT: 2.066 min Scan# 319

Delta R.T. -0.000 min

Lab File: VV031781.D

Acq: 28 Jul 2023 14:39

Instrument :

MSVOA_V

ClientSampleId :

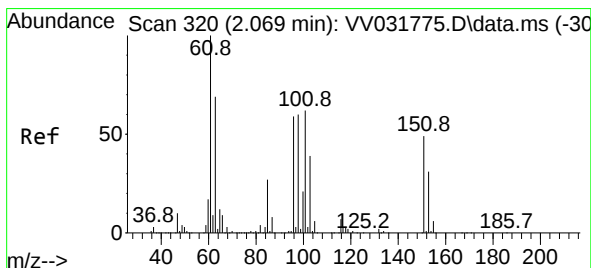
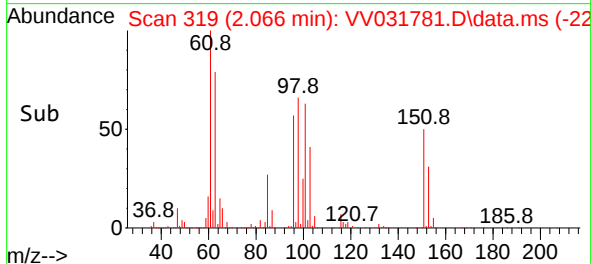
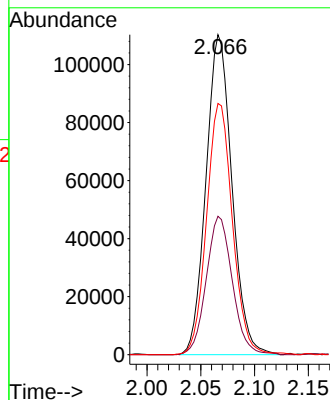
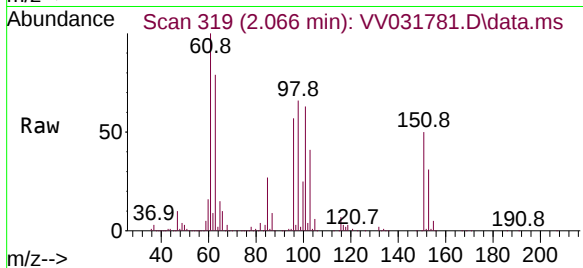
Tgt Ion:101 Resp: 185281

Ion Ratio Lower Upper

101 100

85 43.3 33.9 50.9

151 78.1 61.0 91.6



#12

1,1-Dichloroethene

Concen: 46.816 ug/L

RT: 2.069 min Scan# 320

Delta R.T. -0.000 min

Lab File: VV031781.D

Acq: 28 Jul 2023 14:39

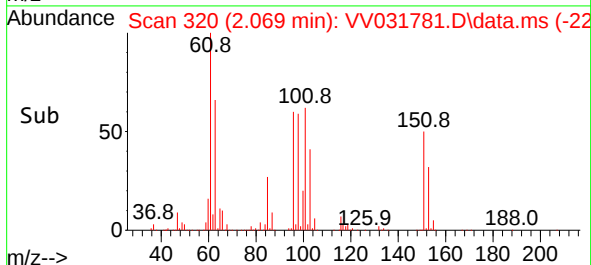
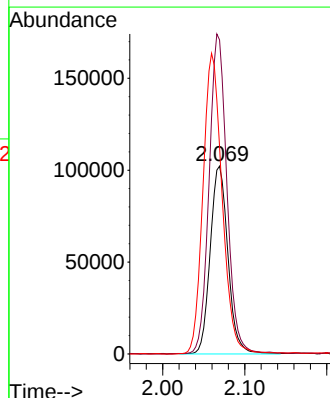
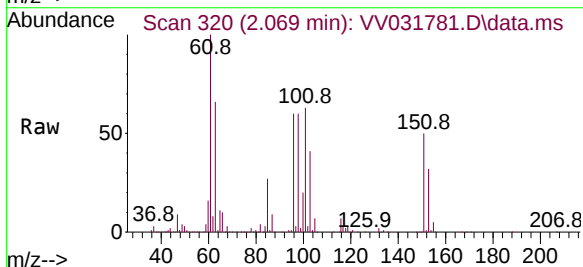
Tgt Ion: 96 Resp: 153445

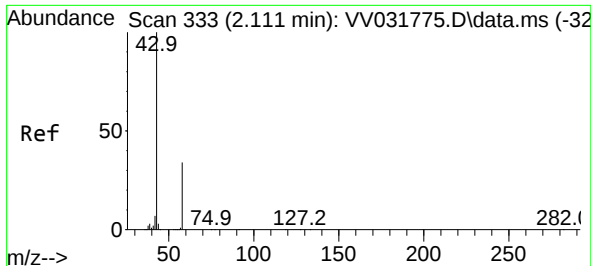
Ion Ratio Lower Upper

96 100

61 167.3 118.3 219.7

63 110.4 96.8 179.8





#13

Acetone

Concen: 74.203 ug/L

RT: 2.114 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV031781.D

Acq: 28 Jul 2023 14:39

Instrument :

MSVOA_V

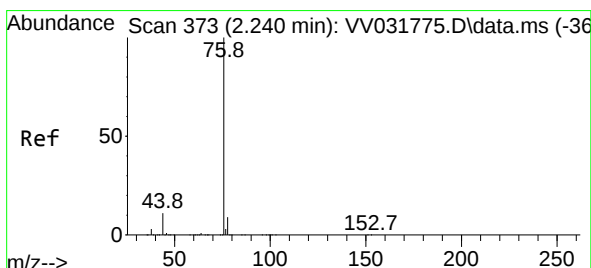
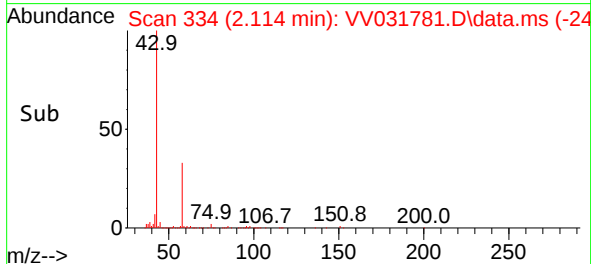
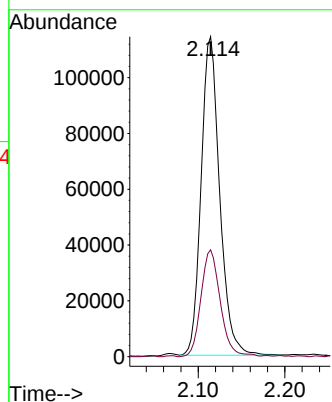
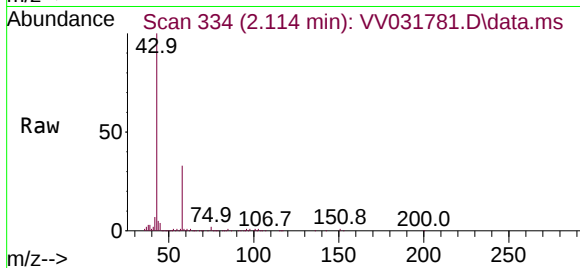
ClientSampleId :

Tgt Ion: 43 Resp: 170407

Ion Ratio Lower Upper

43 100

58 34.6 0.0 72.0



#14

Carbon disulfide

Concen: 50.203 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

Lab File: VV031781.D

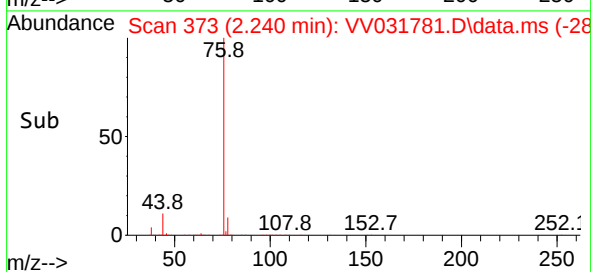
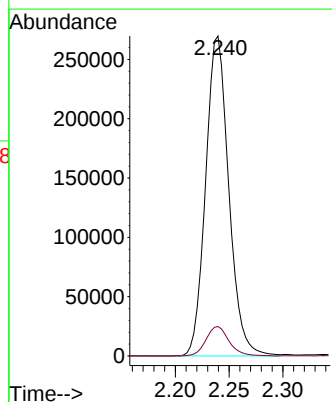
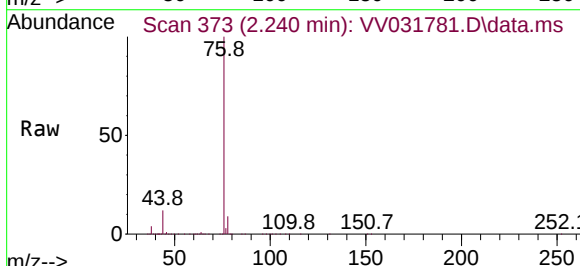
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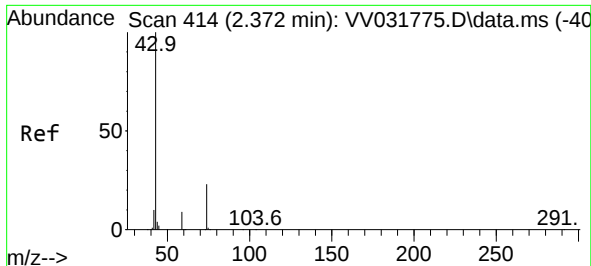
Tgt Ion: 76 Resp: 404482

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

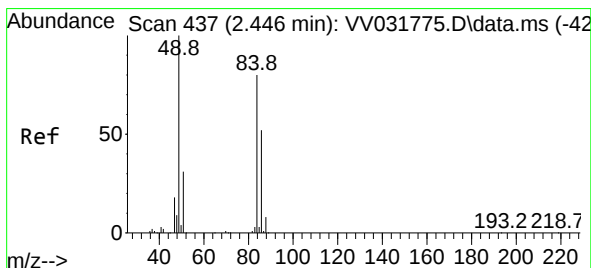
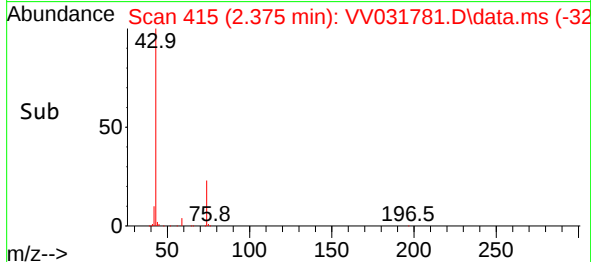
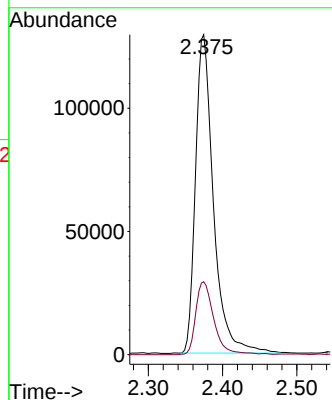
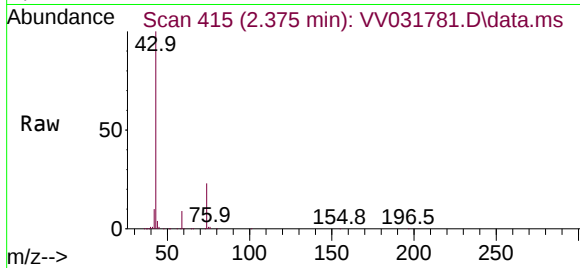




#15
Methyl Acetate
Concen: 54.504 ug/L
RT: 2.375 min Scan# 414
Delta R.T. 0.003 min
Lab File: VV031781.D
Acq: 28 Jul 2023 14:39

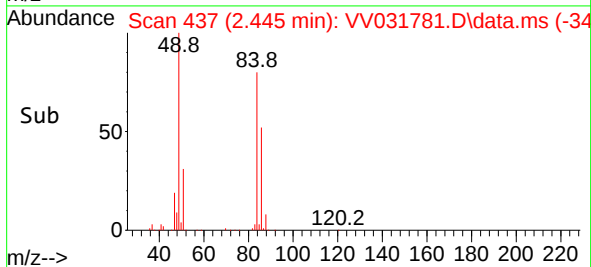
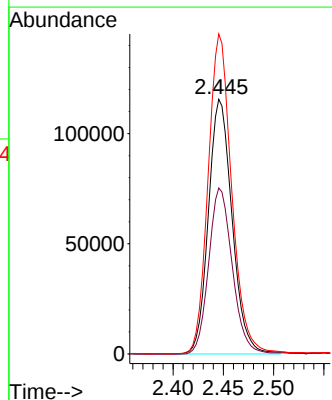
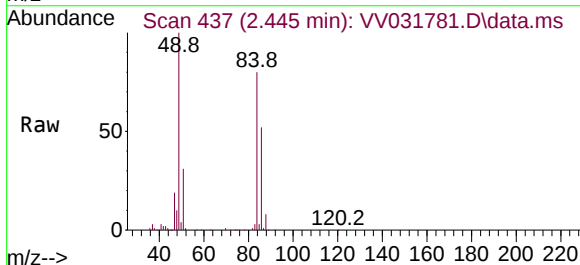
Instrument :
MSVOA_V
ClientSampleId :

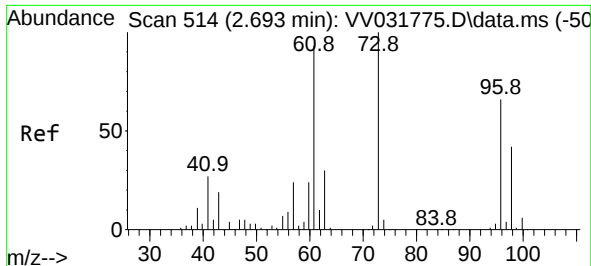
Tgt Ion: 43 Resp: 217969
Ion Ratio Lower Upper
43 100
74 23.0 19.5 29.3



#16
Methylene chloride
Concen: 51.500 ug/L
RT: 2.445 min Scan# 437
Delta R.T. -0.000 min
Lab File: VV031781.D
Acq: 28 Jul 2023 14:39

Tgt Ion: 84 Resp: 189640
Ion Ratio Lower Upper
84 100
86 66.4 44.5 82.7
49 125.6 85.3 158.5





#17

trans-1,2-Dichloroethene

Concen: 51.580 ug/L

RT: 2.693 min Scan# 514

Delta R.T. -0.000 min

Lab File: VV031781.D

Acq: 28 Jul 2023 14:39

Instrument :

MSVOA_V

ClientSampleId :

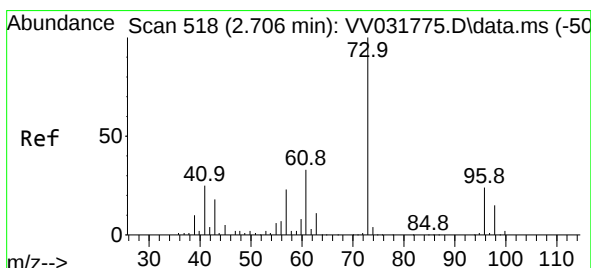
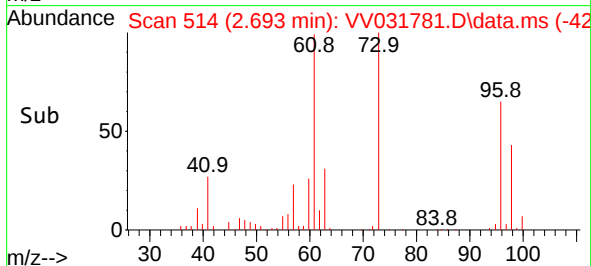
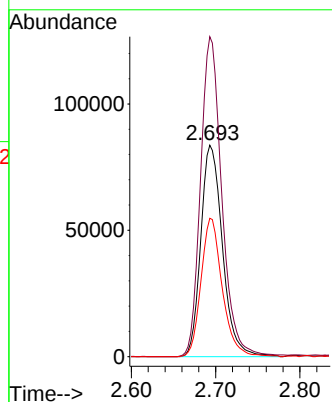
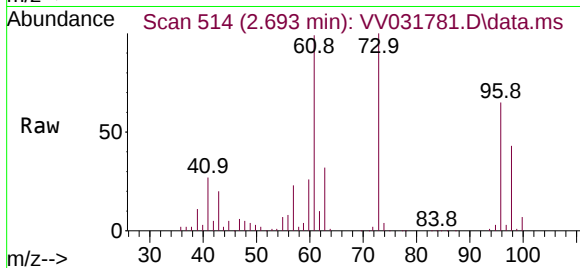
Tgt Ion: 96 Resp: 150389

Ion Ratio Lower Upper

96 100

61 151.3 101.6 188.6

98 65.4 44.7 82.9



#18

Methyl tert-butyl Ether

Concen: 53.166 ug/L

RT: 2.709 min Scan# 519

Delta R.T. 0.003 min

Lab File: VV031781.D

Acq: 28 Jul 2023 14:39

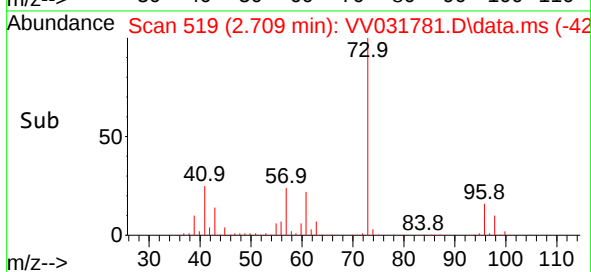
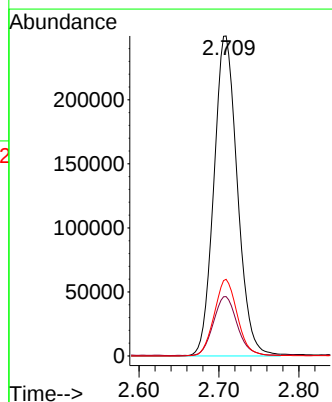
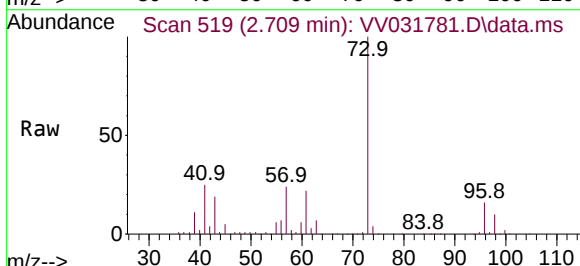
Tgt Ion: 73 Resp: 509959

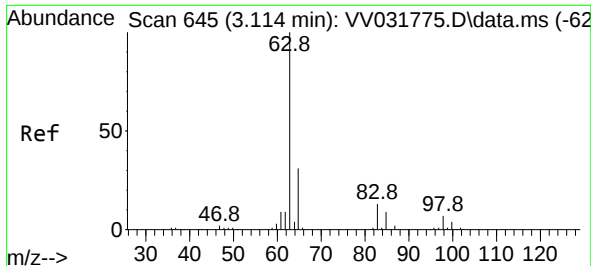
Ion Ratio Lower Upper

73 100

43 18.6 15.0 22.4

57 23.6 18.3 27.5





#19

1,1-Dichloroethane

Concen: 51.161 ug/L

RT: 3.111 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV031781.D

Acq: 28 Jul 2023 14:39

Instrument :

MSVOA_V

ClientSampleId :

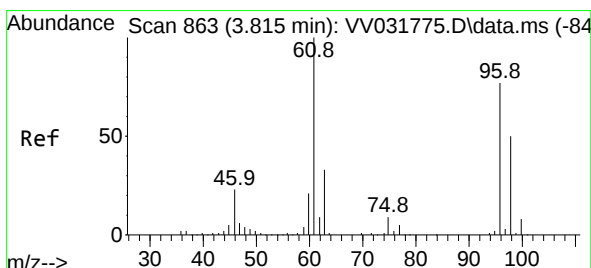
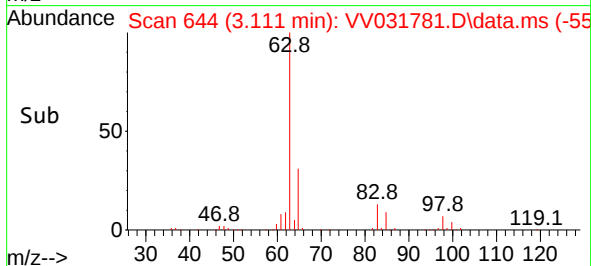
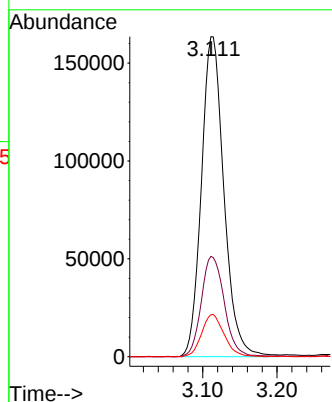
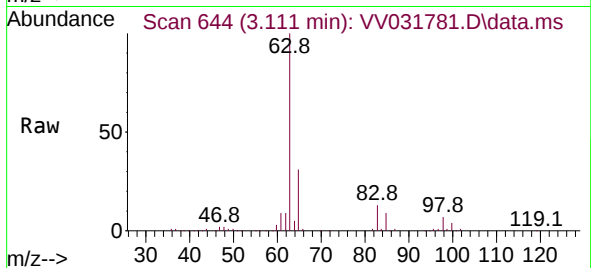
Tgt Ion: 63 Resp: 345300

Ion Ratio Lower Upper

63 100

65 31.3 22.3 41.5

83 13.7 10.6 19.6



#20

cis-1,2-Dichloroethene

Concen: 52.819 ug/L

RT: 3.815 min Scan# 863

Delta R.T. -0.000 min

Lab File: VV031781.D

Acq: 28 Jul 2023 14:39

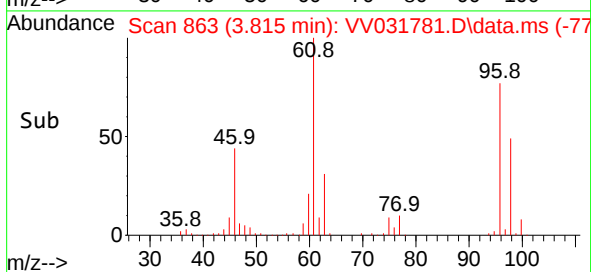
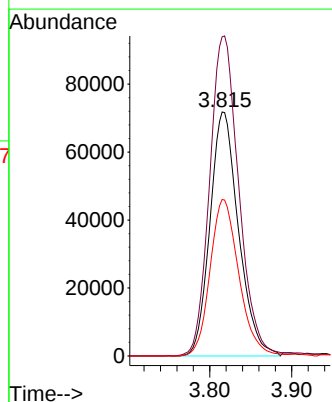
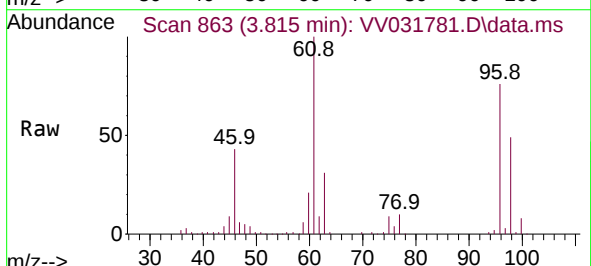
Tgt Ion: 96 Resp: 173915

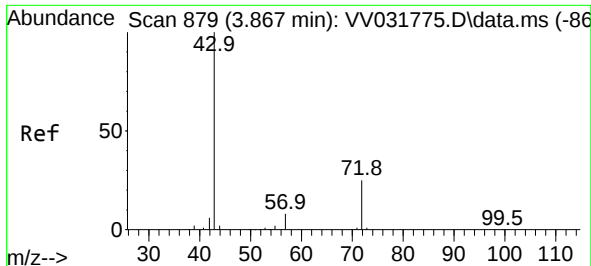
Ion Ratio Lower Upper

96 100

61 130.8 90.6 168.2

98 64.1 43.8 81.3





#22

2-Butanone

Concen: 100.699 ug/L

RT: 3.870 min Scan# 879

Delta R.T. 0.003 min

Lab File: VV031781.D

Acq: 28 Jul 2023 14:39

Instrument :

MSVOA_V

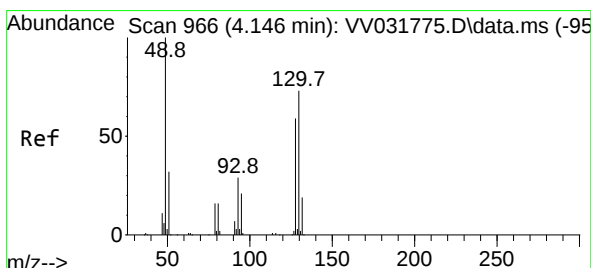
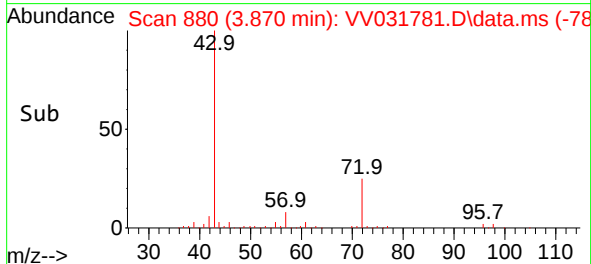
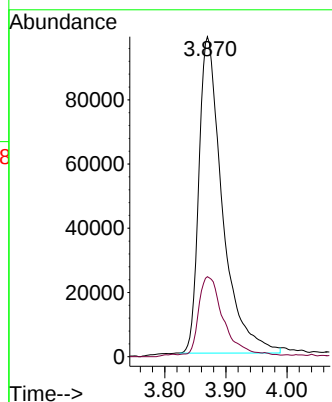
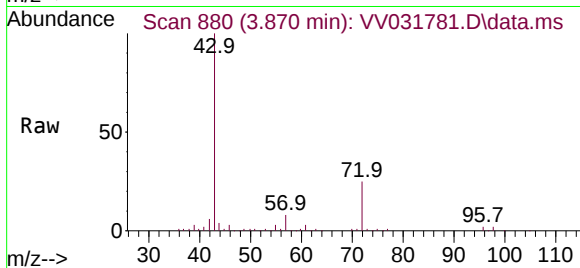
ClientSampleId :

Tgt Ion: 43 Resp: 263031

Ion Ratio Lower Upper

43 100

72 25.7 12.7 38.0



#23

Bromochloromethane

Concen: 53.285 ug/L

RT: 4.149 min Scan# 967

Delta R.T. 0.003 min

Lab File: VV031781.D

Acq: 28 Jul 2023 14:39

Tgt Ion:128 Resp: 97147

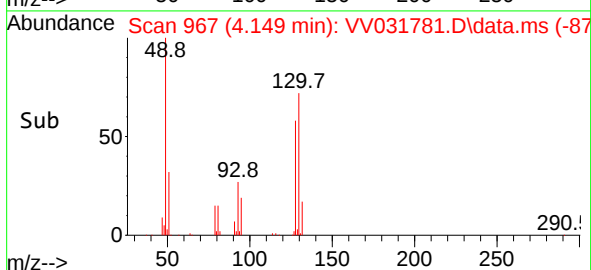
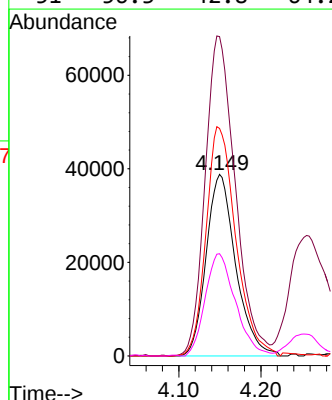
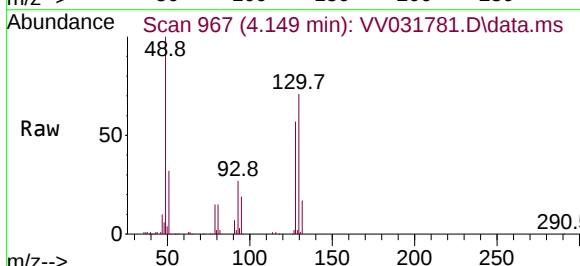
Ion Ratio Lower Upper

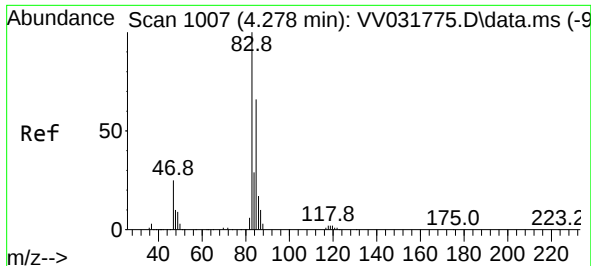
128 100

49 175.9 117.9 218.9

130 127.3 89.1 165.5

51 56.3 42.8 64.2

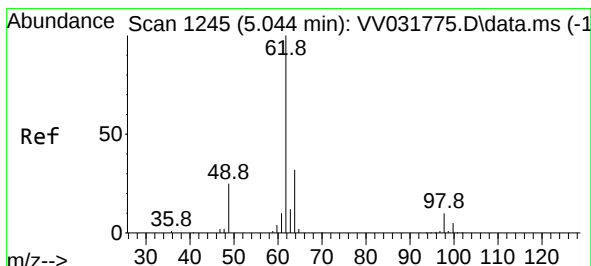
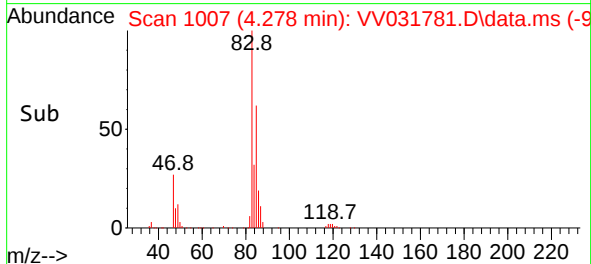
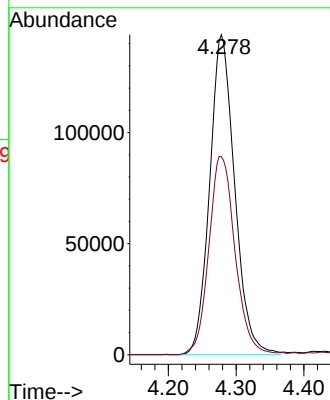
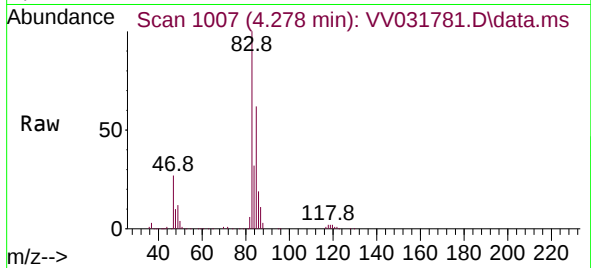




#25
Chloroform
Concen: 51.665 ug/L
RT: 4.278 min Scan# 1007
Delta R.T. -0.000 min
Lab File: VV031781.D
Acq: 28 Jul 2023 14:39

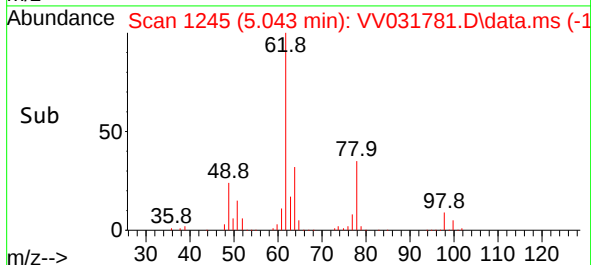
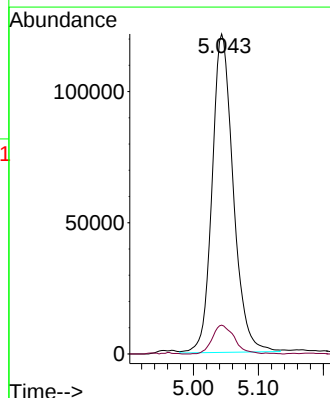
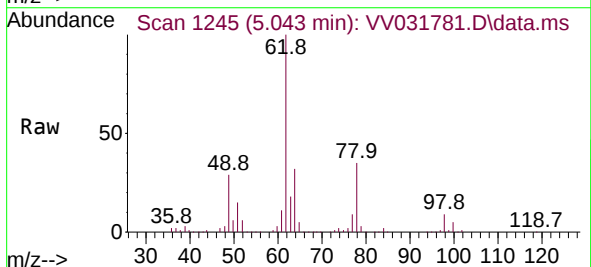
Instrument :
MSVOA_V
ClientSampleId :

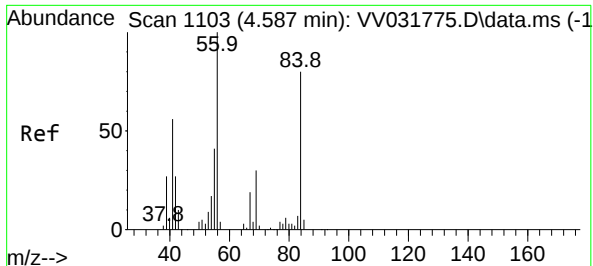
Tgt Ion: 83 Resp: 369366
Ion Ratio Lower Upper
83 100
85 61.9 45.1 83.9



#27
1,2-Dichloroethane
Concen: 51.658 ug/L
RT: 5.043 min Scan# 1245
Delta R.T. -0.000 min
Lab File: VV031781.D
Acq: 28 Jul 2023 14:39

Tgt Ion: 62 Resp: 274675
Ion Ratio Lower Upper
62 100
98 9.0 7.5 11.3





#29

Cyclohexane

Concen: 49.135 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. -0.000 min

Lab File: VV031781.D

Acq: 28 Jul 2023 14:39

Instrument :

MSVOA_V

ClientSampleId :

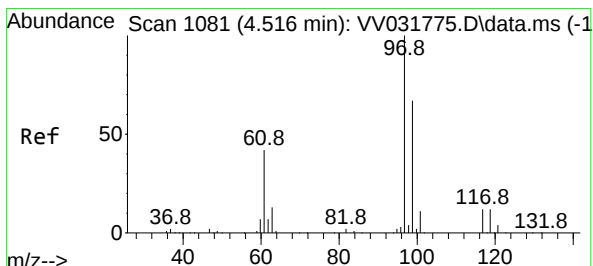
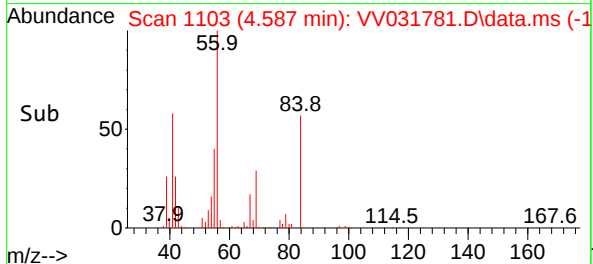
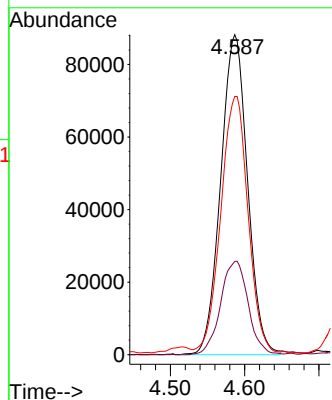
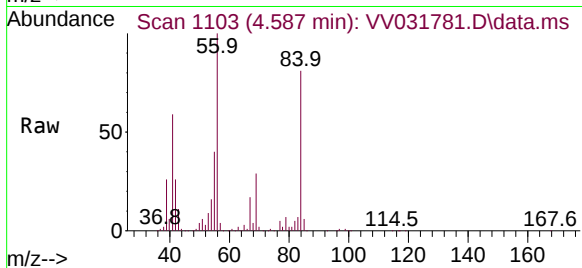
Tgt Ion: 56 Resp: 221601

Ion Ratio Lower Upper

56 100

69 30.0 24.1 36.1

84 81.4 63.6 95.4



#30

1,1,1-Trichloroethane

Concen: 50.865 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. -0.003 min

Lab File: VV031781.D

Acq: 28 Jul 2023 14:39

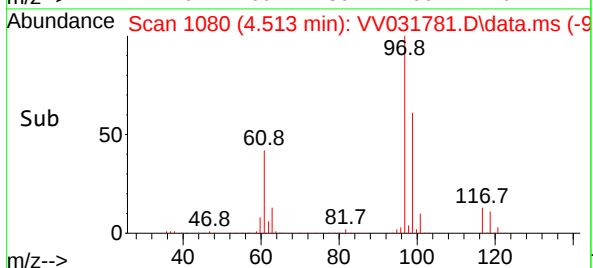
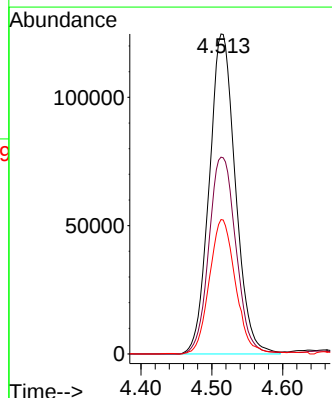
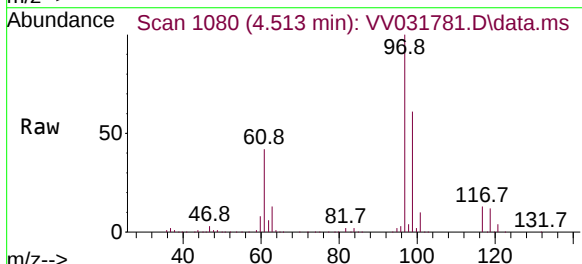
Tgt Ion: 97 Resp: 320041

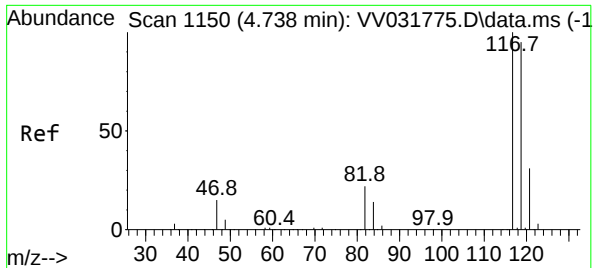
Ion Ratio Lower Upper

97 100

99 63.5 51.5 77.3

61 41.9 32.2 48.2

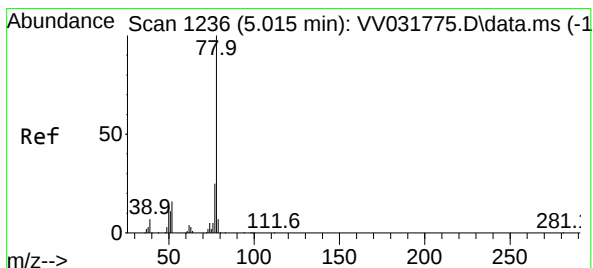
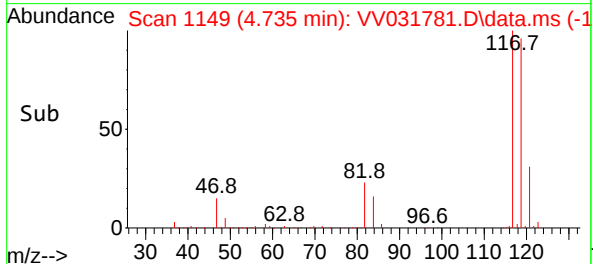
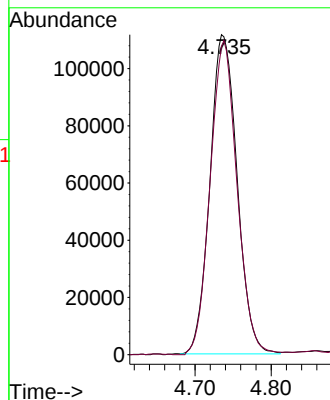
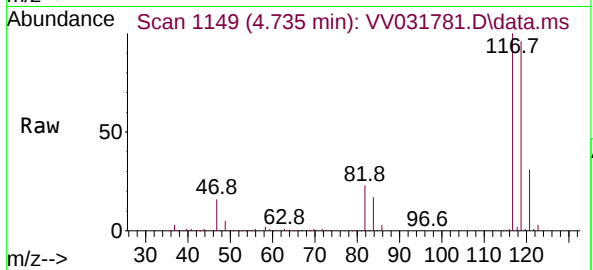




#31
Carbon tetrachloride
Concen: 50.312 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. -0.003 min
Lab File: VV031781.D
Acq: 28 Jul 2023 14:39

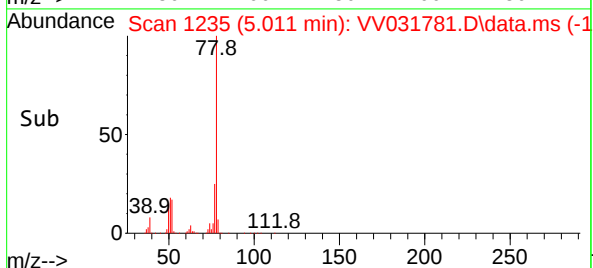
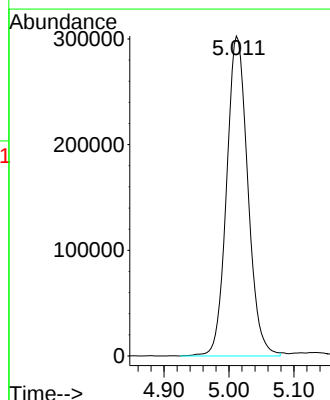
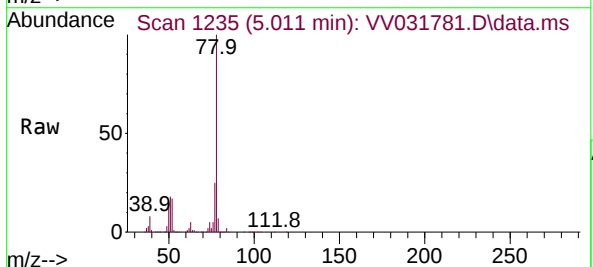
Instrument :
MSVOA_V
ClientSampleId :

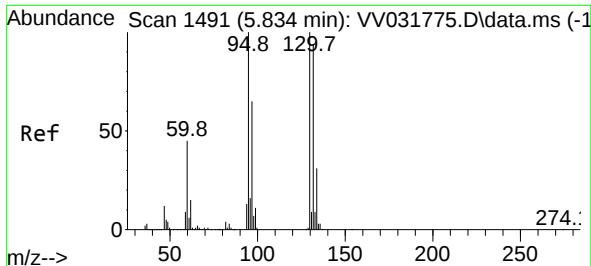
Tgt Ion:117 Resp: 276398
Ion Ratio Lower Upper
117 100
119 97.6 78.0 117.0



#33
Benzene
Concen: 53.277 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. -0.003 min
Lab File: VV031781.D
Acq: 28 Jul 2023 14:39

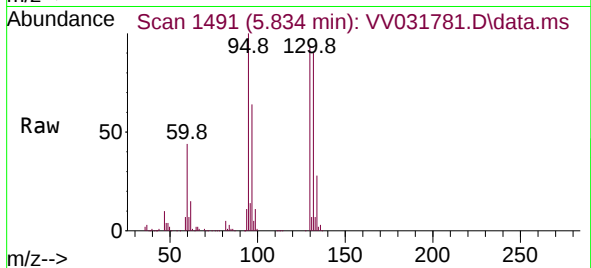
Tgt Ion: 78 Resp: 686392



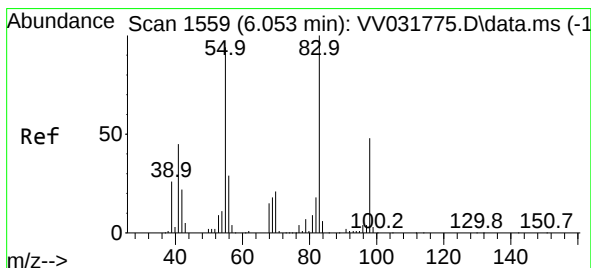
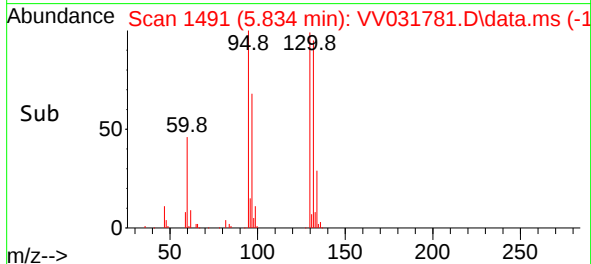
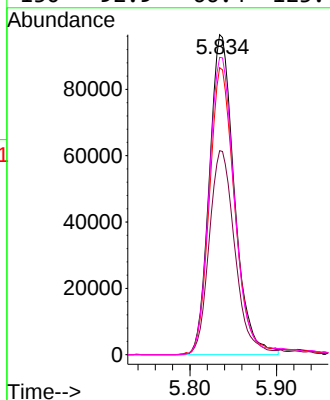


#34
Trichloroethene
Concen: 47.576 ug/L
RT: 5.834 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VV031781.D
Acq: 28 Jul 2023 14:39

Instrument :
MSVOA_V
ClientSampleId :

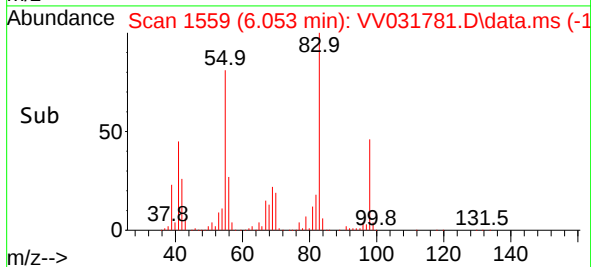
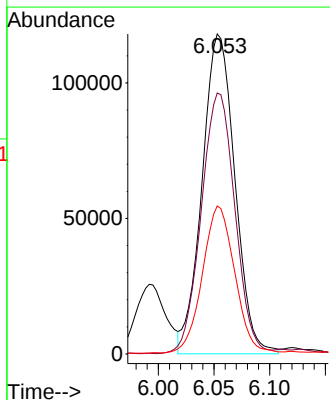
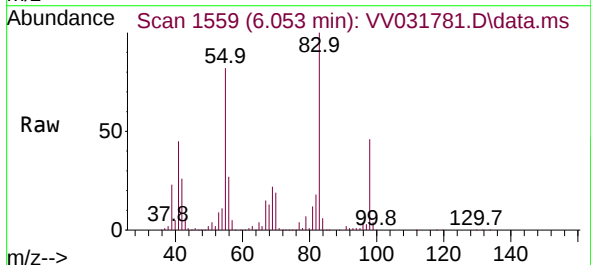


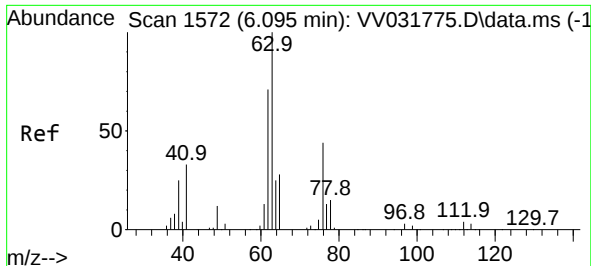
Tgt Ion	Ratio	Lower	Upper
95	100		
97	63.7	47.0	87.2
132	89.7	64.8	120.4
130	92.9	66.4	123.4



#35
Methylcyclohexane
Concen: 53.453 ug/L
RT: 6.053 min Scan# 1559
Delta R.T. -0.000 min
Lab File: VV031781.D
Acq: 28 Jul 2023 14:39

Tgt Ion	Ratio	Lower	Upper
83	100		
55	83.6	69.4	104.2
98	45.9	38.2	57.2





#37

1,2-Dichloropropane

Concen: 52.073 ug/L

RT: 6.095 min Scan# 1572

Delta R.T. -0.000 min

Lab File: VV031781.D

Acq: 28 Jul 2023 14:39

Instrument :

MSVOA_V

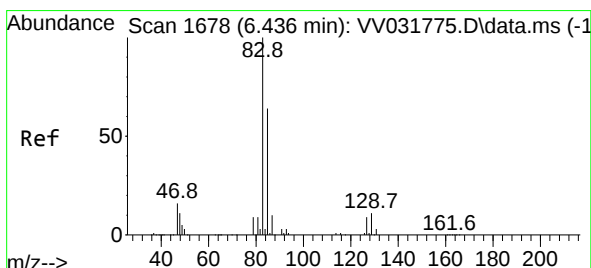
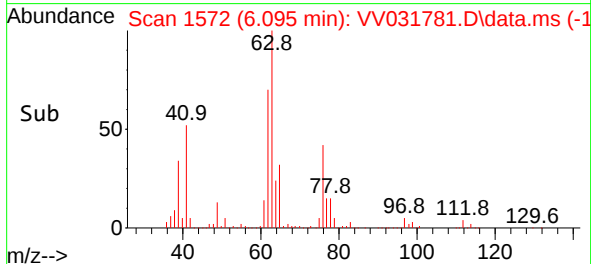
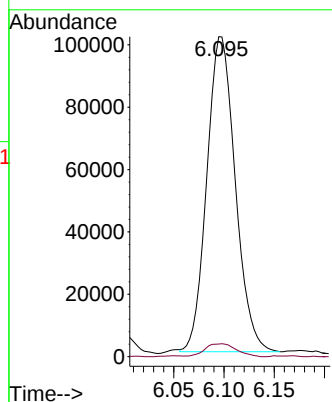
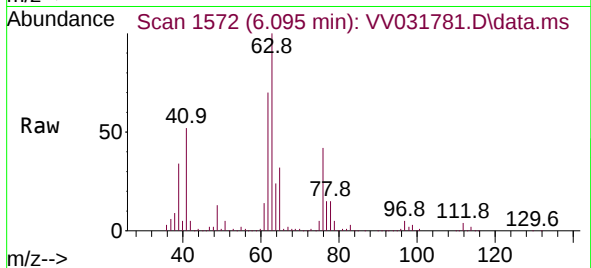
ClientSampleId :

Tgt Ion: 63 Resp: 199290

Ion Ratio Lower Upper

63 100

112 4.5 3.7 5.5



#38

Bromodichloromethane

Concen: 50.204 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. -0.000 min

Lab File: VV031781.D

Acq: 28 Jul 2023 14:39

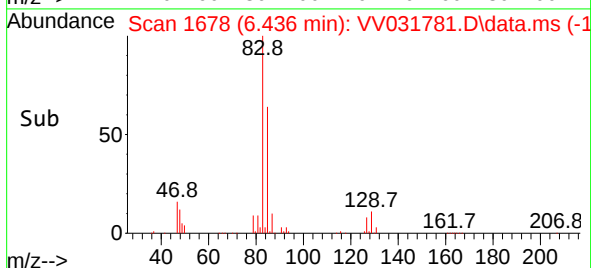
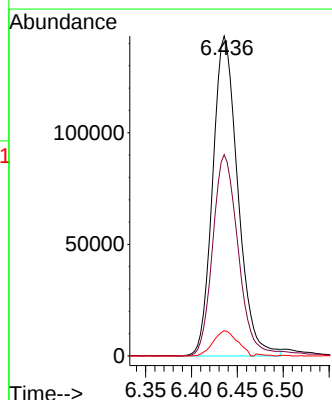
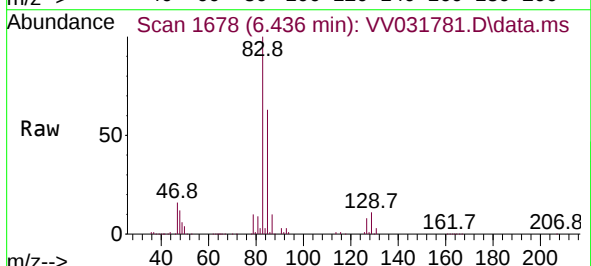
Tgt Ion: 83 Resp: 274078

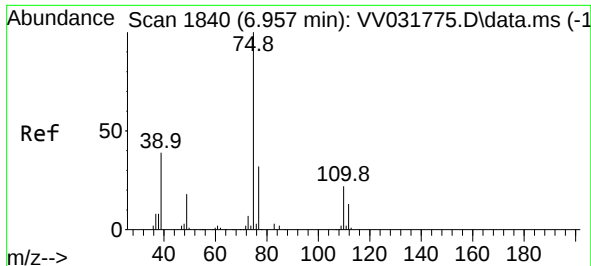
Ion Ratio Lower Upper

83 100

85 62.9 44.2 82.0

127 8.8 7.8 11.6





#39

cis-1,3-Dichloropropene

Concen: 49.633 ug/L

RT: 6.956 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV031781.D

Acq: 28 Jul 2023 14:39

Instrument :

MSVOA_V

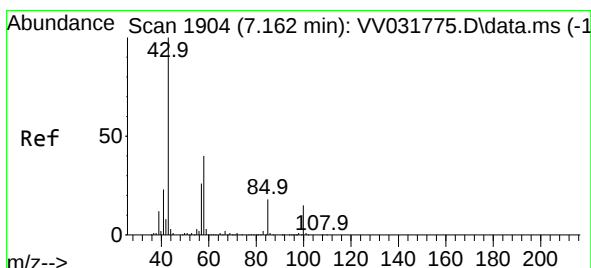
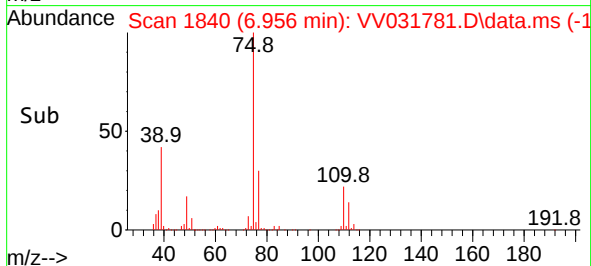
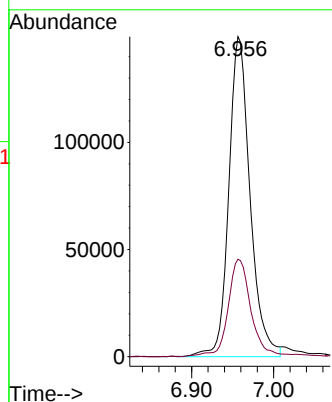
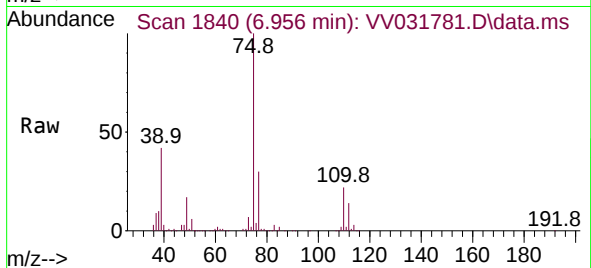
ClientSampleId :

Tgt Ion: 75 Resp: 269664

Ion Ratio Lower Upper

75 100

77 30.4 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 115.131 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VV031781.D

Acq: 28 Jul 2023 14:39

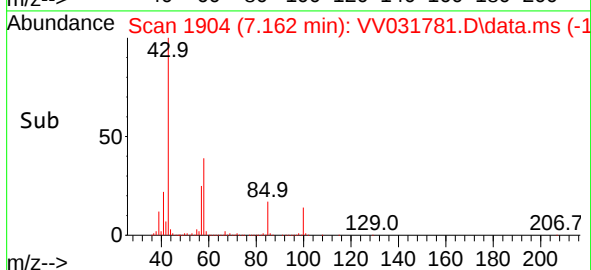
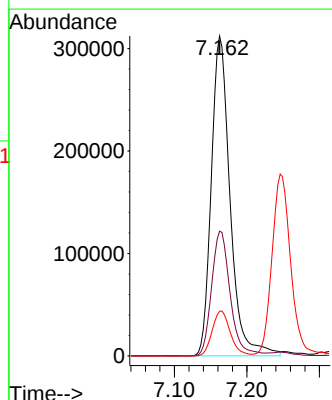
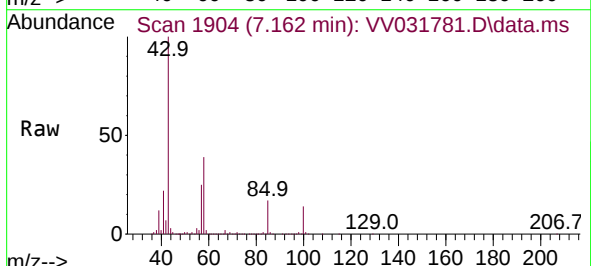
Tgt Ion: 43 Resp: 561182

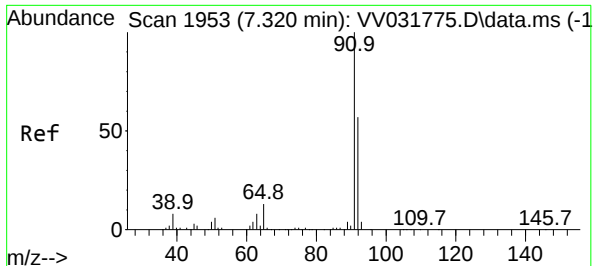
Ion Ratio Lower Upper

43 100

58 38.6 32.1 48.1

100 13.7 12.1 18.1





#42

Toluene

Concen: 55.725 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. -0.000 min

Lab File: VV031781.D

Acq: 28 Jul 2023 14:39

Instrument :

MSVOA_V

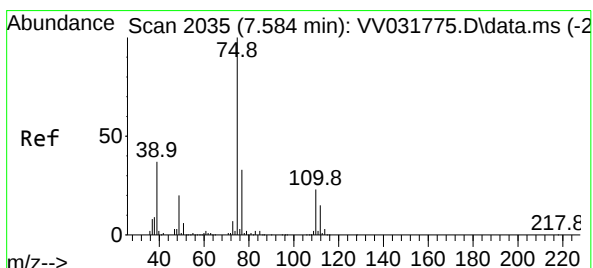
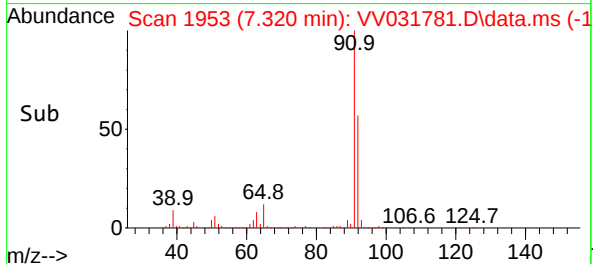
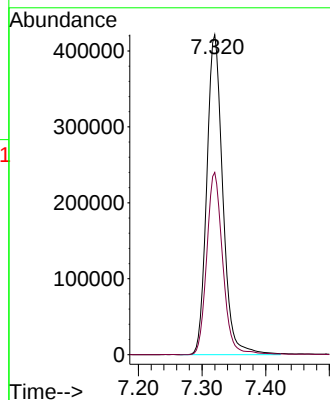
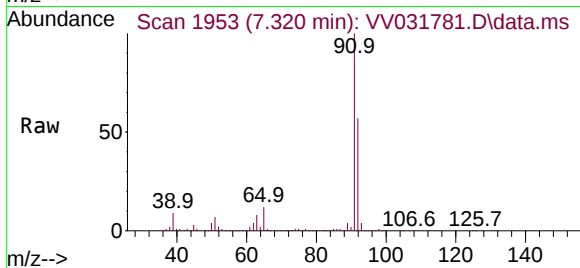
ClientSampleId :

Tgt Ion: 91 Resp: 737321

Ion Ratio Lower Upper

91 100

92 56.9 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 52.430 ug/L

RT: 7.583 min Scan# 2035

Delta R.T. -0.000 min

Lab File: VV031781.D

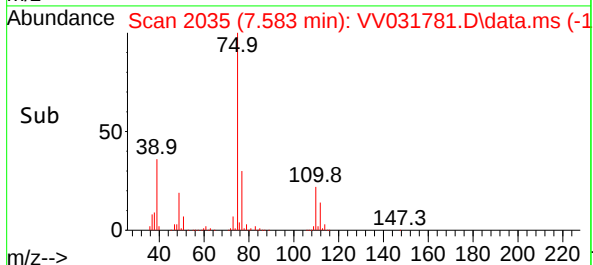
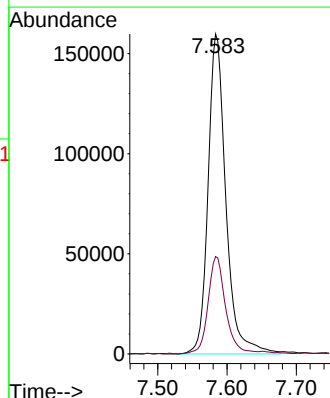
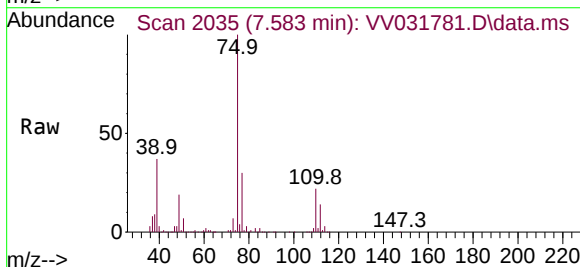
Acq: 28 Jul 2023 14:39

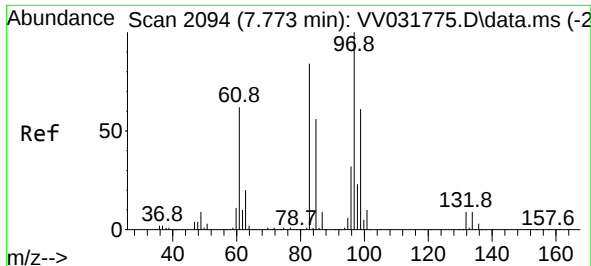
Tgt Ion: 75 Resp: 284273

Ion Ratio Lower Upper

75 100

77 30.5 22.3 41.3





#45

1,1,2-Trichloroethane

Concen: 51.551 ug/L

RT: 7.773 min Scan# 2094

Delta R.T. -0.000 min

Lab File: VV031781.D

Acq: 28 Jul 2023 14:39

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 199078

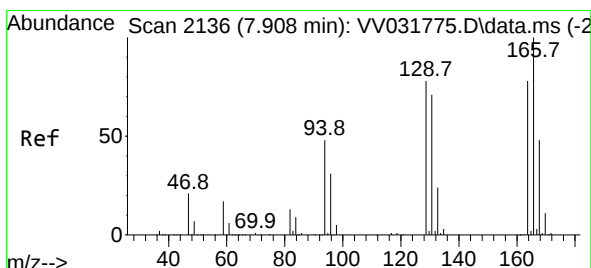
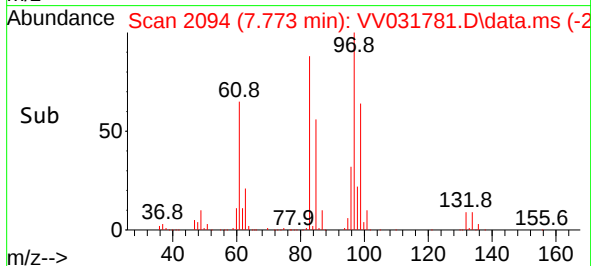
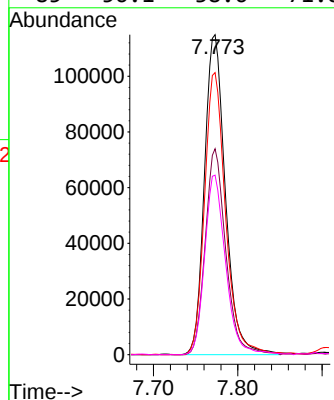
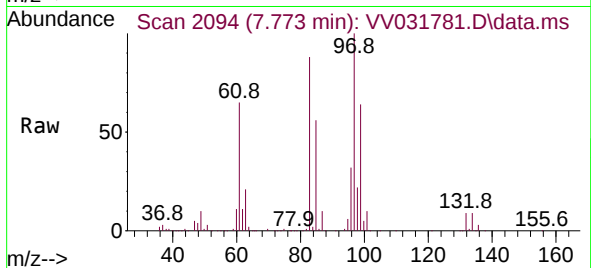
Ion Ratio Lower Upper

97 100

99 64.4 45.2 84.0

83 88.2 59.5 110.5

85 56.1 38.6 71.8



#46

Tetrachloroethene

Concen: 51.993 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. -0.000 min

Lab File: VV031781.D

Acq: 28 Jul 2023 14:39

Tgt Ion:164 Resp: 133558

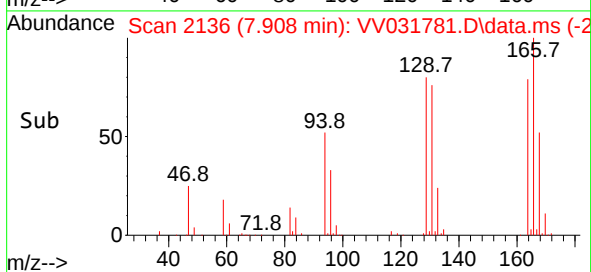
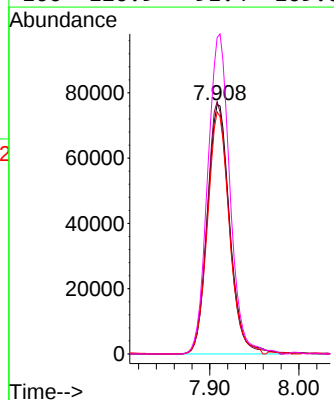
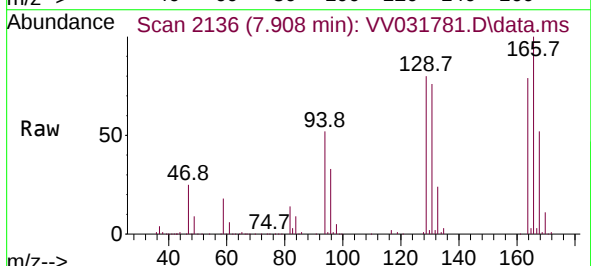
Ion Ratio Lower Upper

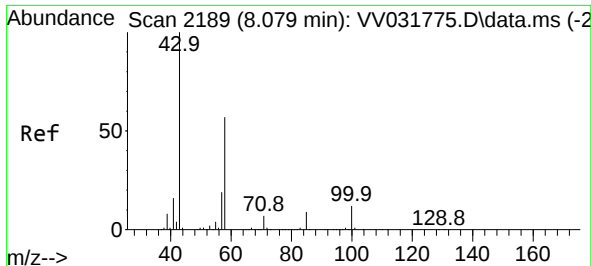
164 100

129 101.2 65.2 121.0

131 97.1 67.1 124.7

166 126.9 91.4 169.8

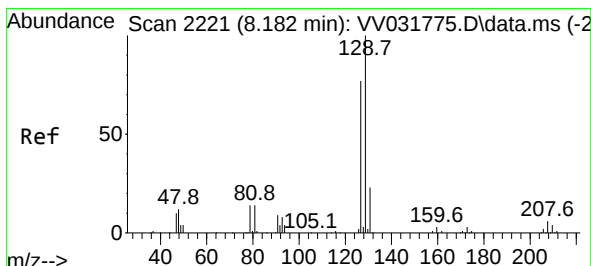
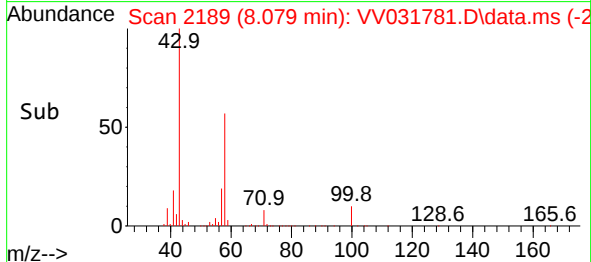
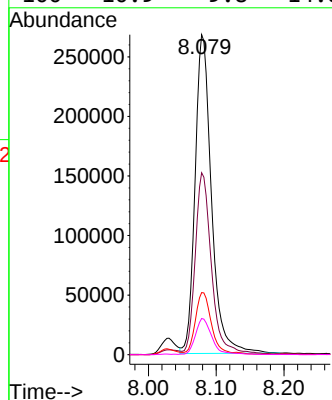
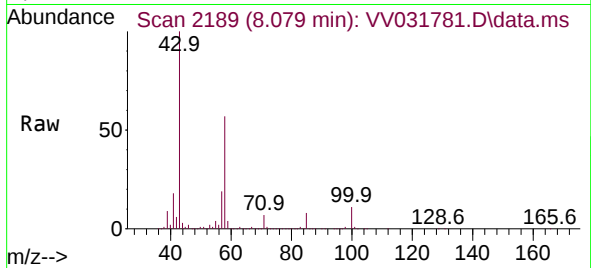




#48
2-Hexanone
Concen: 116.085 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. -0.000 min
Lab File: VV031781.D
Acq: 28 Jul 2023 14:39

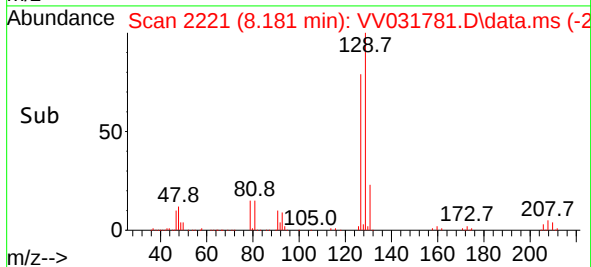
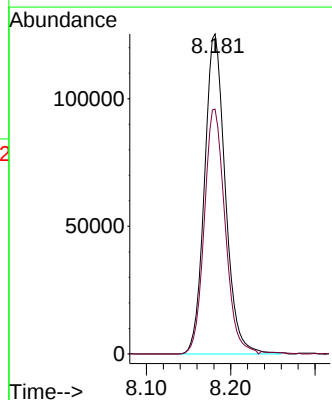
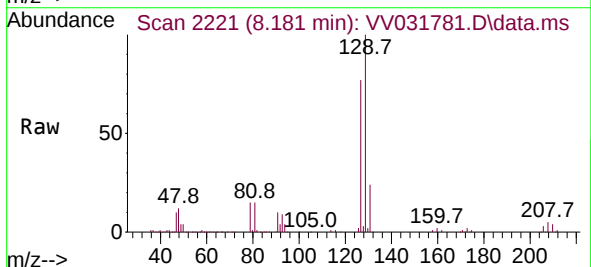
Instrument :
MSVOA_V
ClientSampleId :

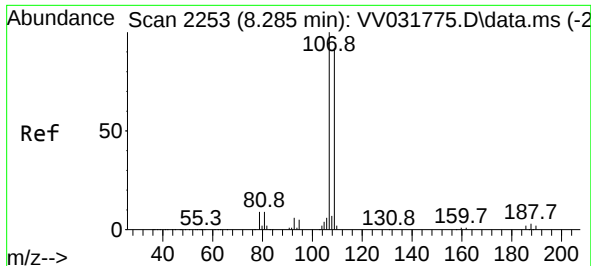
Tgt Ion: 43 Resp: 451333
Ion Ratio Lower Upper
43 100
58 56.0 46.3 69.5
57 17.8 16.8 25.2
100 10.9 9.8 14.8



#49
Dibromochloromethane
Concen: 52.867 ug/L
RT: 8.181 min Scan# 2221
Delta R.T. -0.000 min
Lab File: VV031781.D
Acq: 28 Jul 2023 14:39

Tgt Ion:129 Resp: 215440
Ion Ratio Lower Upper
129 100
127 75.3 55.2 102.6





#50

1,2-Dibromoethane

Concen: 52.093 ug/L

RT: 8.284 min Scan# 211933

Delta R.T. -0.000 min

Lab File: VV031781.D

Acq: 28 Jul 2023 14:39

Instrument :

MSVOA_V

ClientSampleId :

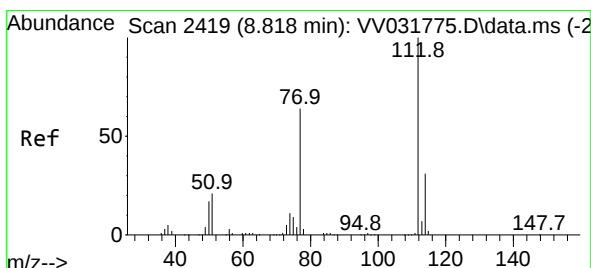
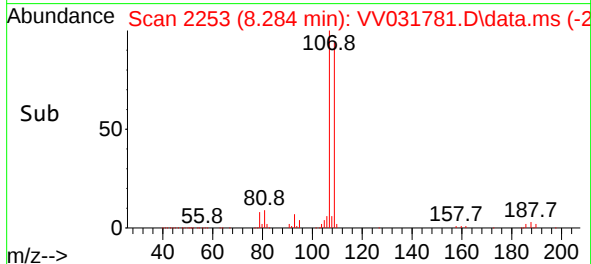
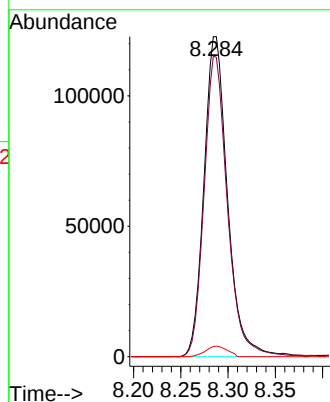
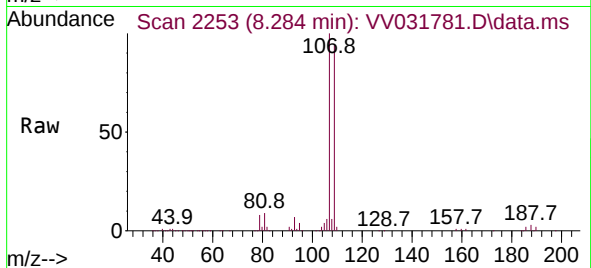
Tgt Ion:107 Resp: 211933

Ion Ratio Lower Upper

107 100

109 93.9 65.4 121.4

188 3.4 2.8 4.2



#51

Chlorobenzene

Concen: 51.921 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. -0.000 min

Lab File: VV031781.D

Acq: 28 Jul 2023 14:39

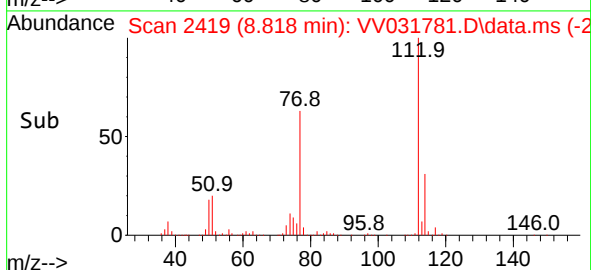
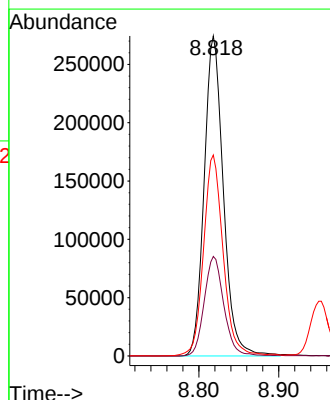
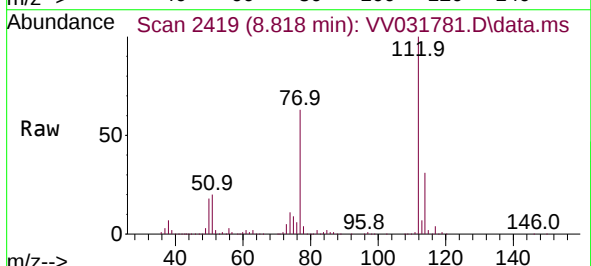
Tgt Ion:112 Resp: 459029

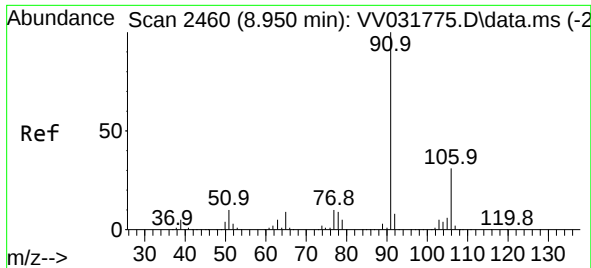
Ion Ratio Lower Upper

112 100

114 31.1 22.2 41.2

77 62.8 50.6 76.0

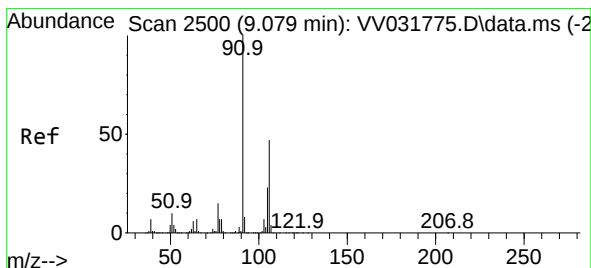
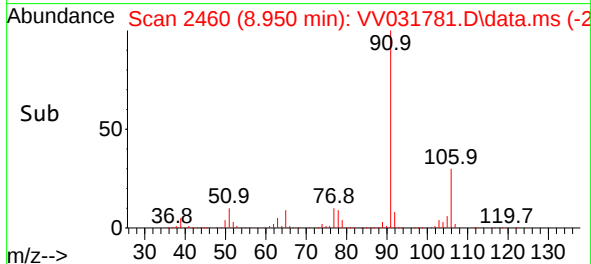
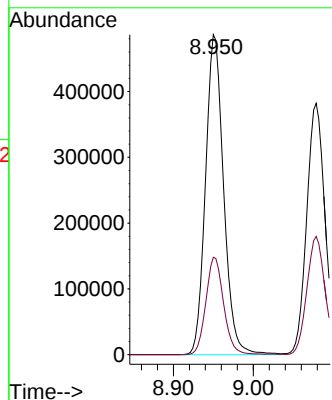
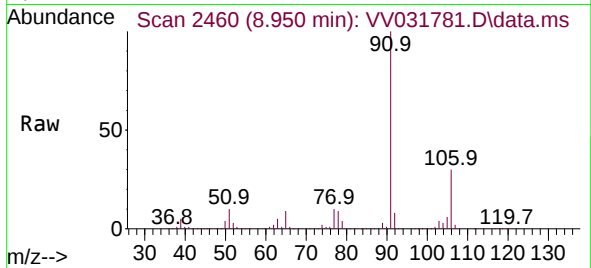




#52
Ethylbenzene
Concen: 53.590 ug/L
RT: 8.950 min Scan# 2460
Delta R.T. -0.000 min
Lab File: VV031781.D
Acq: 28 Jul 2023 14:39

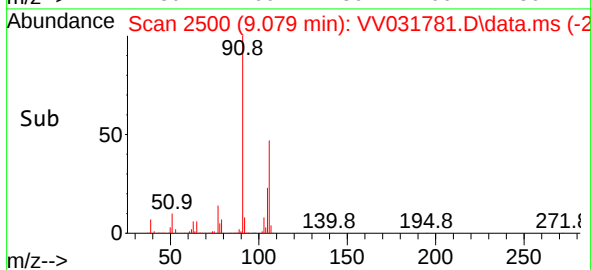
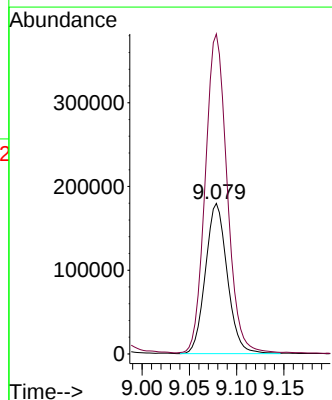
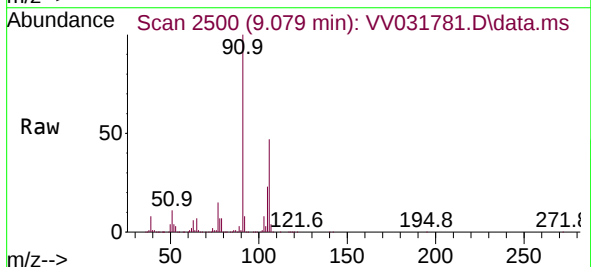
Instrument :
MSVOA_V
ClientSampleId :

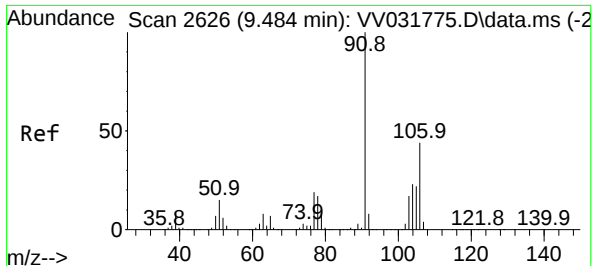
Tgt Ion: 91 Resp: 768411
Ion Ratio Lower Upper
91 100
106 30.4 21.5 39.9



#53
m,p-Xylene
Concen: 55.697 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. -0.000 min
Lab File: VV031781.D
Acq: 28 Jul 2023 14:39

Tgt Ion:106 Resp: 288001
Ion Ratio Lower Upper
106 100
91 212.6 145.6 270.4





#54

o-Xylene

Concen: 53.447 ug/L

RT: 9.484 min Scan# 2626

Delta R.T. -0.000 min

Lab File: VV031781.D

Acq: 28 Jul 2023 14:39

Instrument :

MSVOA_V

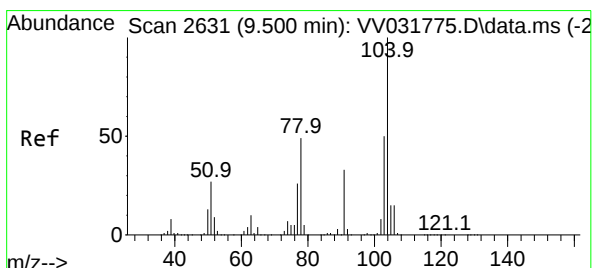
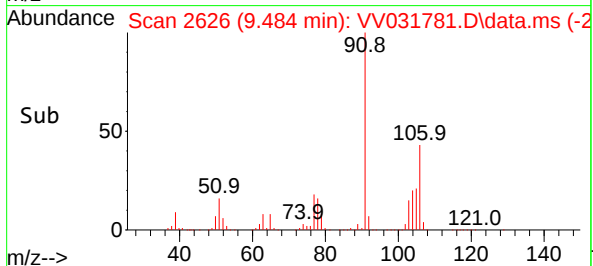
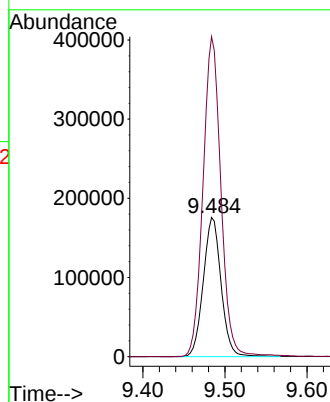
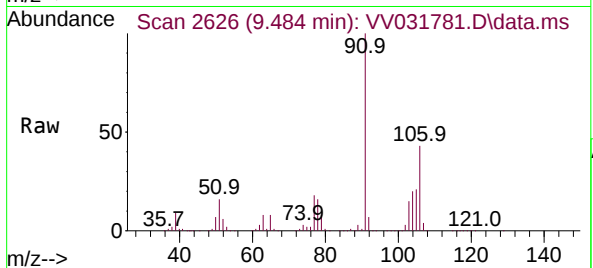
ClientSampleId :

Tgt Ion:106 Resp: 264873

Ion Ratio Lower Upper

106 100

91 229.9 163.0 302.6



#55

Styrene

Concen: 58.521 ug/L

RT: 9.500 min Scan# 2631

Delta R.T. -0.000 min

Lab File: VV031781.D

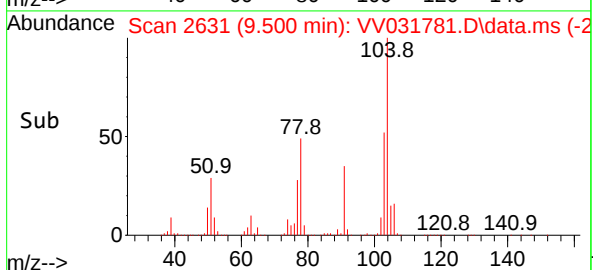
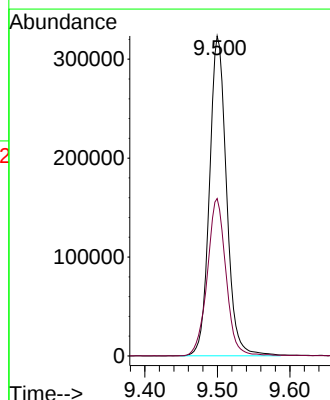
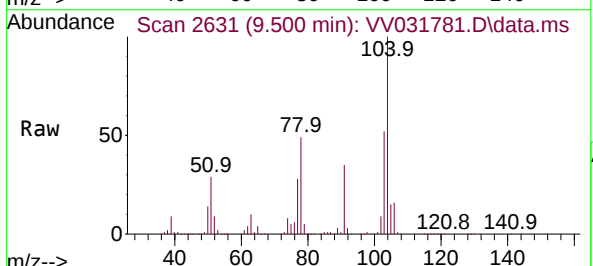
Acq: 28 Jul 2023 14:39

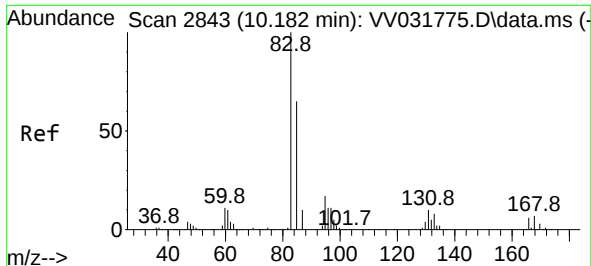
Tgt Ion:104 Resp: 529783

Ion Ratio Lower Upper

104 100

78 49.2 34.4 64.0

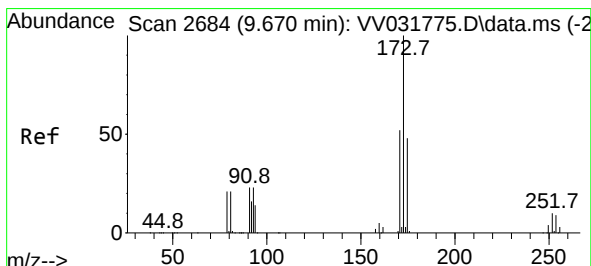
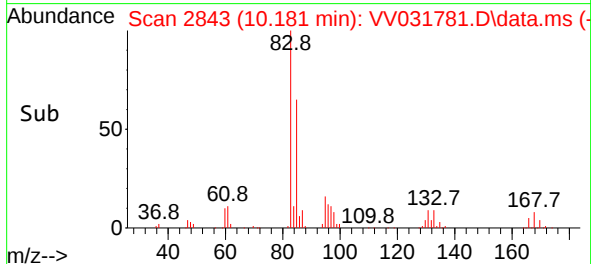
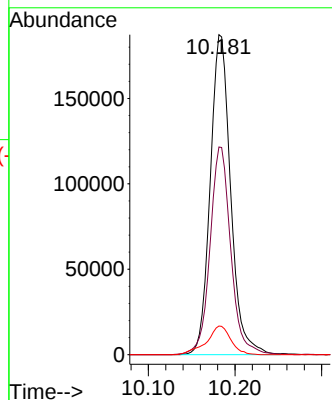
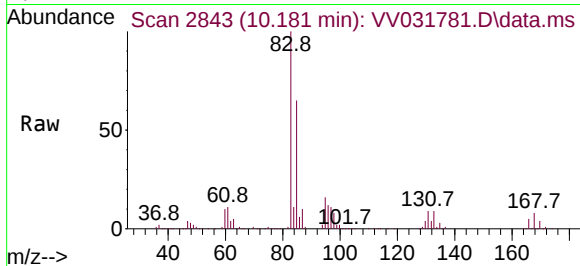




#57
1,1,2,2-Tetrachloroethane
Concen: 57.296 ug/L
RT: 10.181 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031781.D
Acq: 28 Jul 2023 14:39

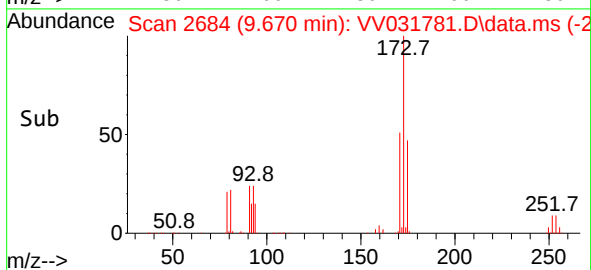
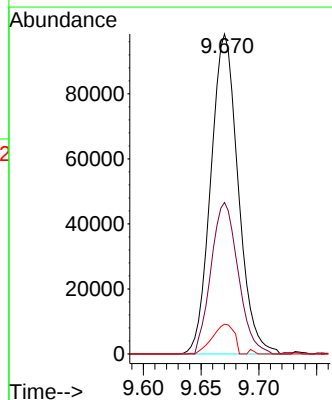
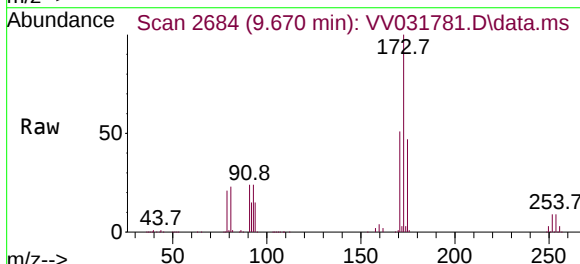
Instrument :
MSVOA_V
ClientSampleId :

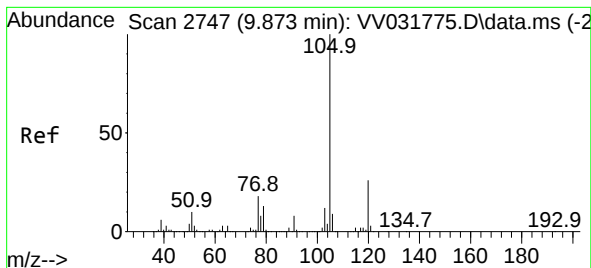
Tgt Ion: 83 Resp: 306815
Ion Ratio Lower Upper
83 100
85 64.9 43.4 80.6
131 8.9 10.9 16.3#



#59
Bromoform
Concen: 52.639 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. -0.000 min
Lab File: VV031781.D
Acq: 28 Jul 2023 14:39

Tgt Ion: 173 Resp: 161886
Ion Ratio Lower Upper
173 100
175 47.0 38.6 58.0
254 7.4 6.9 10.3





#60

Isopropylbenzene

Concen: 54.242 ug/L

RT: 9.873 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV031781.D

Acq: 28 Jul 2023 14:39

Instrument :

MSVOA_V

ClientSampleId :

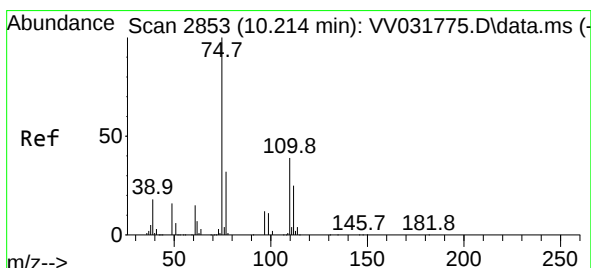
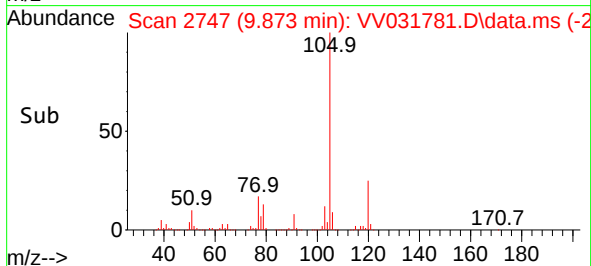
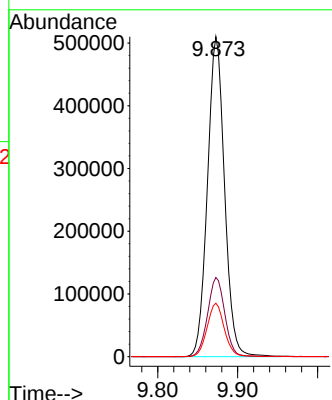
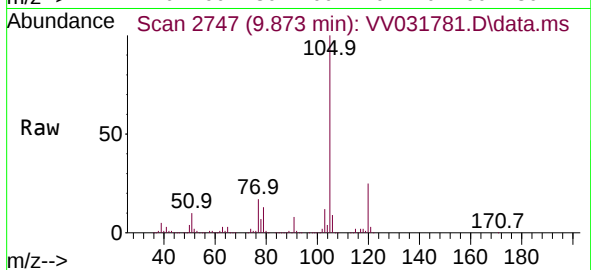
Tgt Ion:105 Resp: 759304

Ion Ratio Lower Upper

105 100

120 25.0 20.6 30.8

77 16.7 13.2 19.8



#61

1,2,3-Trichloropropane

Concen: 50.895 ug/L

RT: 10.214 min Scan# 2853

Delta R.T. -0.000 min

Lab File: VV031781.D

Acq: 28 Jul 2023 14:39

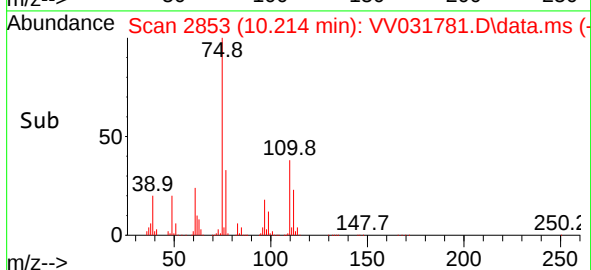
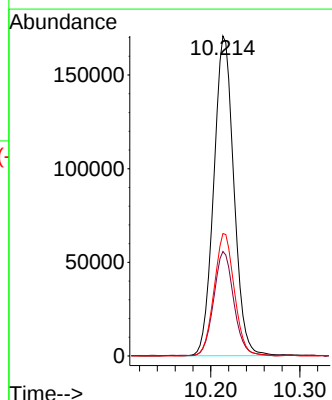
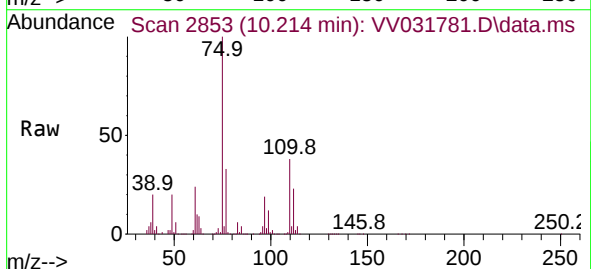
Tgt Ion: 75 Resp: 267766

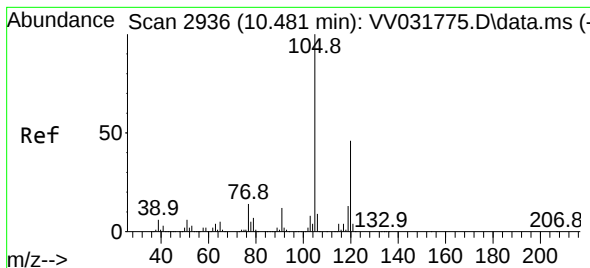
Ion Ratio Lower Upper

75 100

77 32.3 25.1 37.7

110 38.5 31.4 47.0

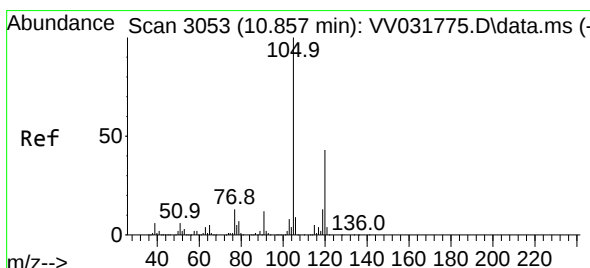
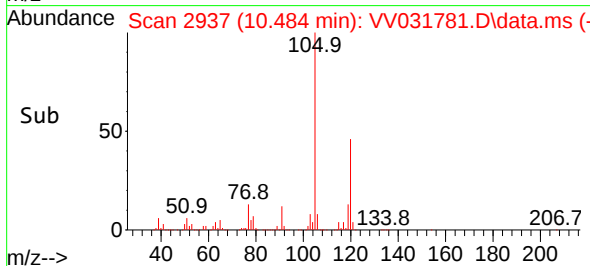
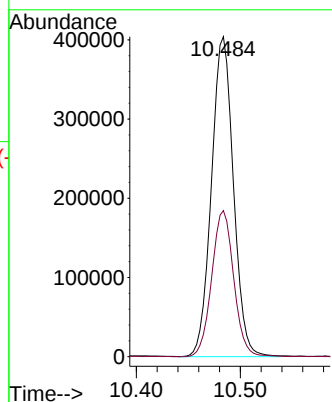
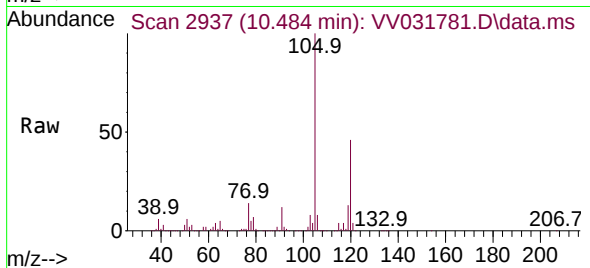




#62
 1,3,5-Trimethylbenzene
 Concen: 52.380 ug/L
 RT: 10.484 min Scan# 2936
 Delta R.T. 0.003 min
 Lab File: VV031781.D
 Acq: 28 Jul 2023 14:39

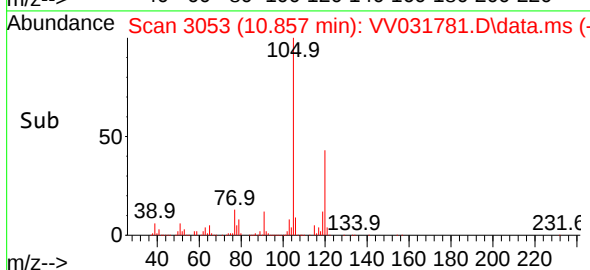
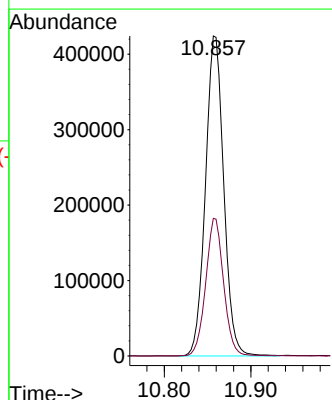
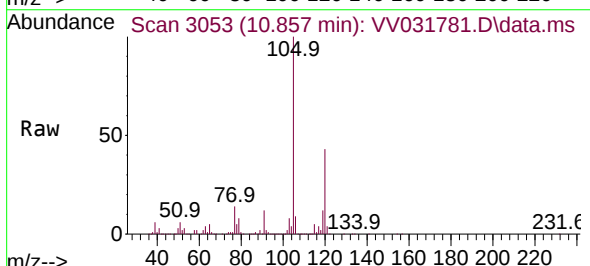
Instrument :
 MSVOA_V
 ClientSampleId :

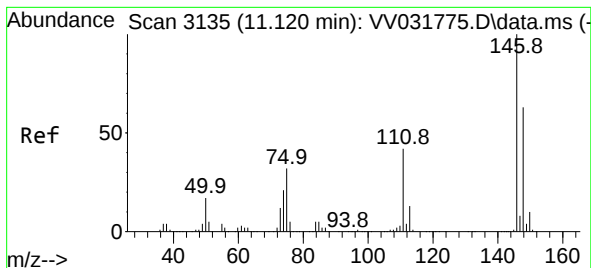
Tgt Ion:105 Resp: 593278
 Ion Ratio Lower Upper
 105 100
 120 45.7 37.4 56.0



#63
 1,2,4-Trimethylbenzene
 Concen: 54.282 ug/L
 RT: 10.857 min Scan# 3053
 Delta R.T. -0.000 min
 Lab File: VV031781.D
 Acq: 28 Jul 2023 14:39

Tgt Ion:105 Resp: 622399
 Ion Ratio Lower Upper
 105 100
 120 42.0 34.7 52.1





#64

1,3-Dichlorobenzene

Concen: 52.877 ug/L

RT: 11.123 min Scan# 3135

Delta R.T. 0.003 min

Lab File: VV031781.D

Acq: 28 Jul 2023 14:39

Instrument :

MSVOA_V

ClientSampleId :

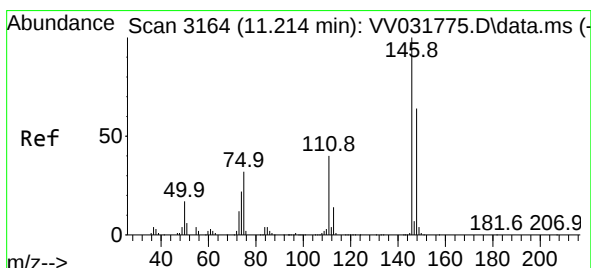
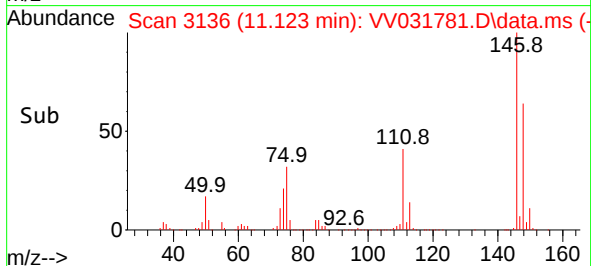
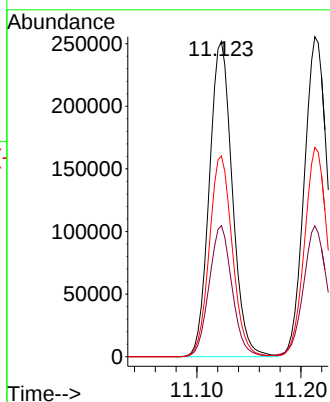
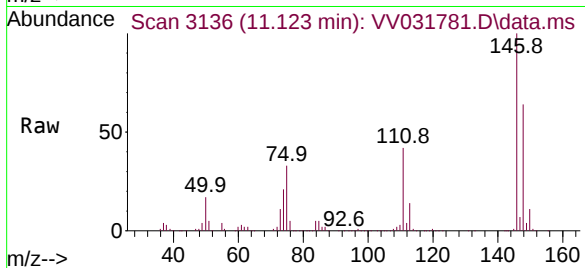
Tgt Ion:146 Resp: 386926

Ion Ratio Lower Upper

146 100

111 41.6 28.3 52.5

148 63.7 44.2 82.2



#65

1,4-Dichlorobenzene

Concen: 52.195 ug/L

RT: 11.214 min Scan# 3164

Delta R.T. -0.000 min

Lab File: VV031781.D

Acq: 28 Jul 2023 14:39

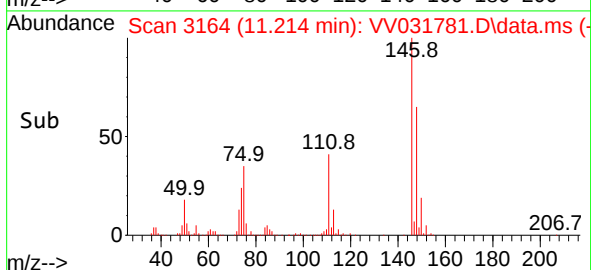
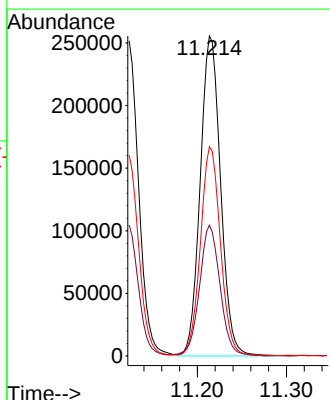
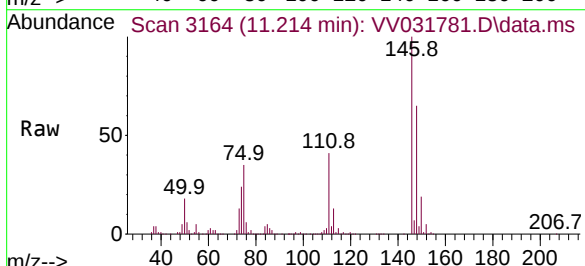
Tgt Ion:146 Resp: 406017

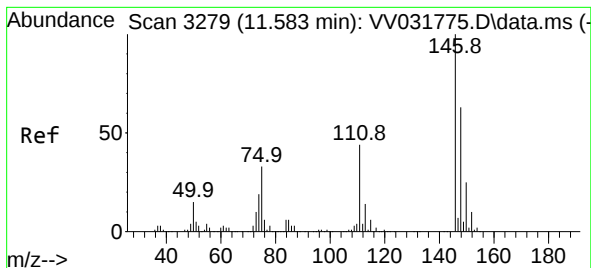
Ion Ratio Lower Upper

146 100

111 40.9 28.3 52.7

148 65.4 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 52.075 ug/L

RT: 11.583 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV031781.D

Acq: 28 Jul 2023 14:39

Instrument :

MSVOA_V

ClientSampleId :

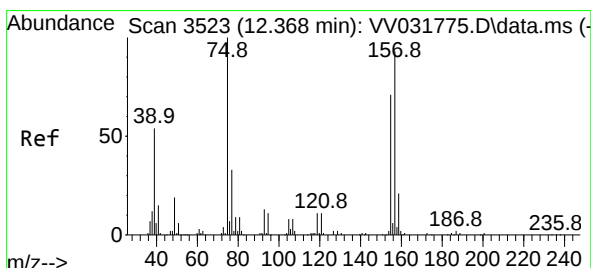
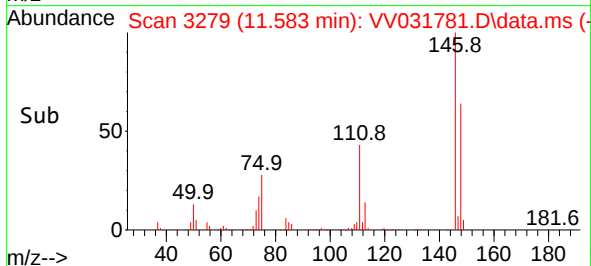
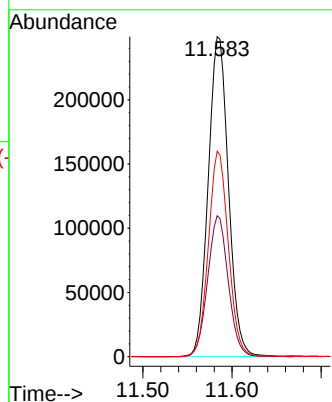
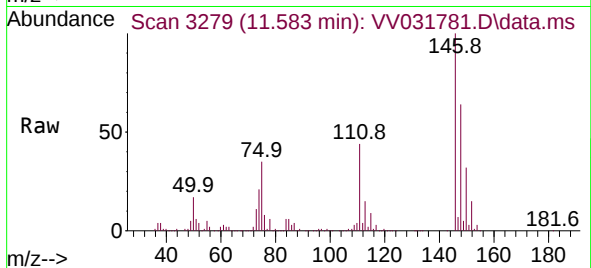
Tgt Ion:146 Resp: 392348

Ion Ratio Lower Upper

146 100

111 44.0 34.8 52.2

148 64.2 49.8 74.6



#68

1,2-Dibromo-3-chloropropane

Concen: 50.783 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. 0.003 min

Lab File: VV031781.D

Acq: 28 Jul 2023 14:39

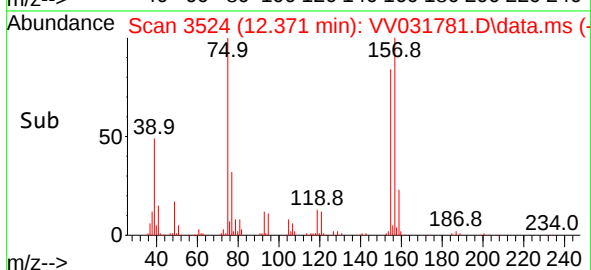
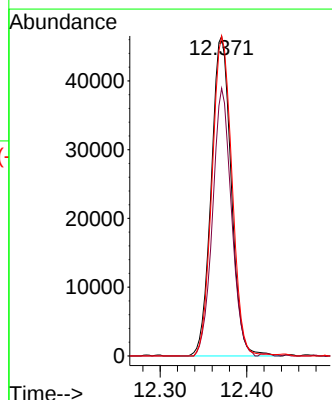
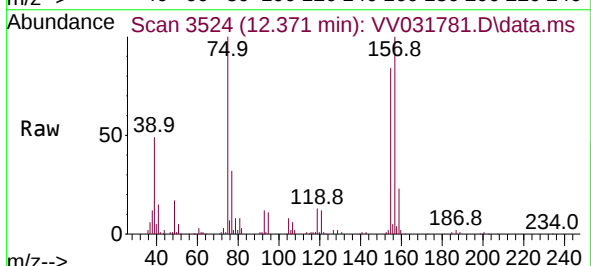
Tgt Ion: 75 Resp: 74312

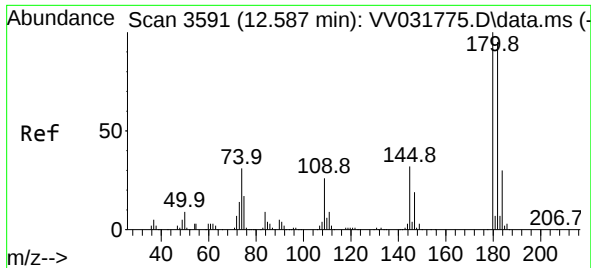
Ion Ratio Lower Upper

75 100

155 83.7 59.9 89.9

157 104.2 77.6 116.4

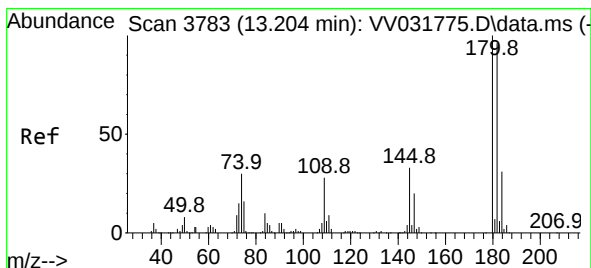
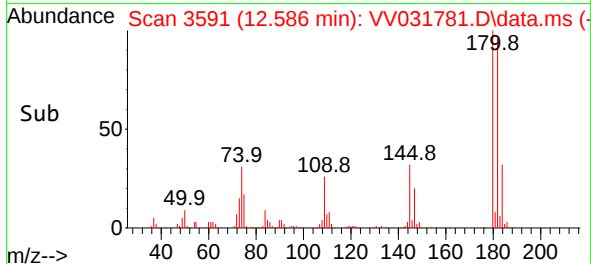
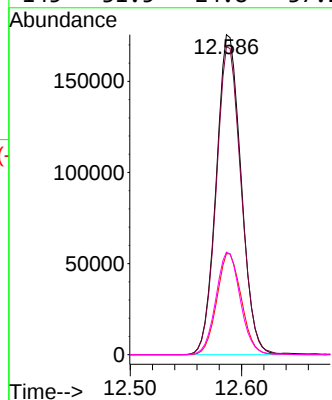
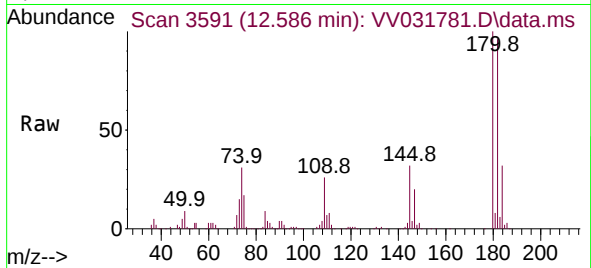




#69
 1,3,5-Trichlorobenzene
 Concen: 50.941 ug/L
 RT: 12.586 min Scan# 3591
 Delta R.T. -0.000 min
 Lab File: VV031781.D
 Acq: 28 Jul 2023 14:39

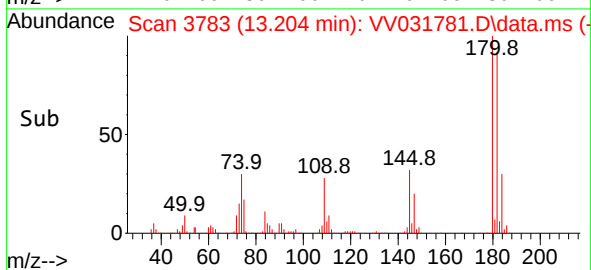
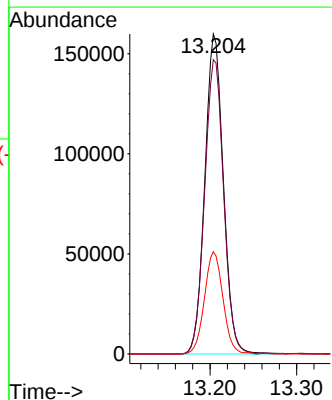
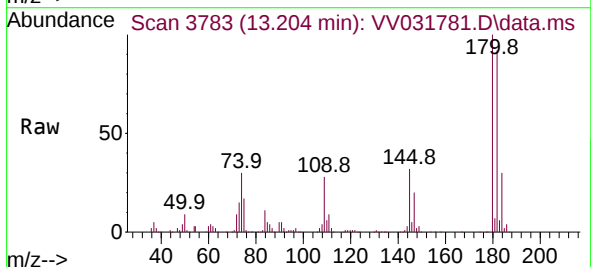
Instrument :
 MSVOA_V
 ClientSampleId :

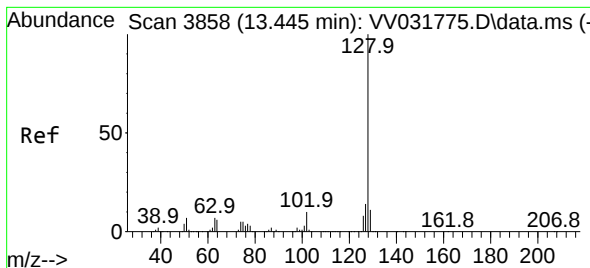
Tgt Ion:180 Resp: 271872
 Ion Ratio Lower Upper
 180 100
 182 96.7 75.5 113.3
 184 31.2 23.7 35.5
 145 31.5 24.8 37.2



#70
 1,2,4-trichlorobenzene
 Concen: 49.758 ug/L
 RT: 13.204 min Scan# 3783
 Delta R.T. -0.000 min
 Lab File: VV031781.D
 Acq: 28 Jul 2023 14:39

Tgt Ion:180 Resp: 237579
 Ion Ratio Lower Upper
 180 100
 182 94.3 76.6 114.8
 145 31.9 25.4 38.2





#71

Naphthalene

Concen: 51.425 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. -0.000 min

Lab File: VV031781.D

Acq: 28 Jul 2023 14:39

Instrument :

MSVOA_V

ClientSampleId :

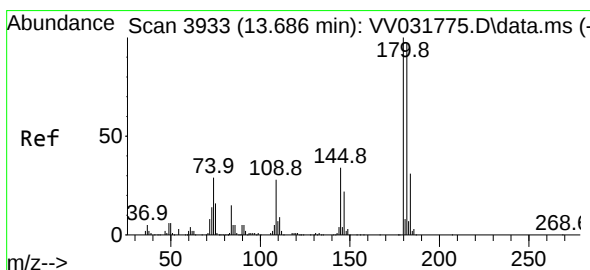
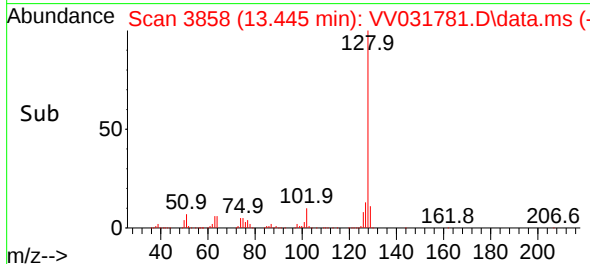
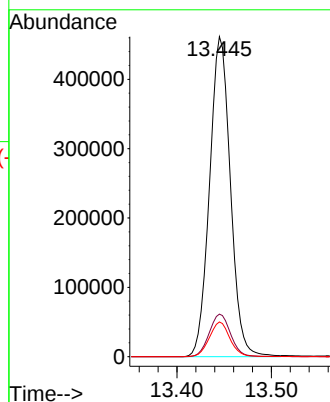
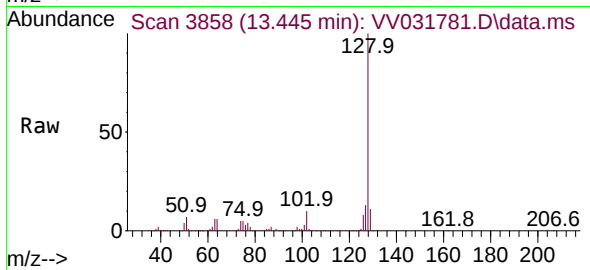
Tgt Ion:128 Resp: 707778

Ion Ratio Lower Upper

128 100

127 13.6 11.0 16.4

129 10.8 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 52.885 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. -0.000 min

Lab File: VV031781.D

Acq: 28 Jul 2023 14:39

Tgt Ion:180 Resp: 263952

Ion Ratio Lower Upper

180 100

182 95.7 76.7 115.1

145 33.1 27.7 41.5

