

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV081723\
 Data File : VV031838.D
 Acq On : 17 Aug 2023 18:01
 Operator : SY/MD
 Sample : VSTCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 18 02:35:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR081723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Aug 18 02:24:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	217510	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	221205	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	129640	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	44230	3.418	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.400%
7) Chloroethane-d5	1.532	69	45985	3.389	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	67.800%
11) 1,1-Dichloroethene-d2	2.059	65	26250	3.512	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.200%
20) 2-Butanone-d5	3.799	46	194981	43.767	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.540%
24) Chloroform-d	4.256	84	155304	4.136	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.800%
26) 1,2-Dichloroethane-d4	4.950	65	78460	4.231	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.600%
32) Benzene-d6	4.966	84	288731	4.784	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.600%
36) 1,2-Dichloropropane-d6	5.995	67	94436	4.407	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.200%
41) Toluene-d8	7.249	98	287198	5.227	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.600%
43) trans-1,3-Dichloroprop...	7.561	79	32234	4.900	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.000%
46) 2-Hexanone-d5	8.030	63	165902	52.906	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.820%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	71948	4.841	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.800%
66) 1,2-Dichlorobenzene-d4	11.567	152	112730	4.930	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	78830	3.992	ug/L	97
3) Chloromethane	1.217	50	58162	3.058	ug/L	97
5) Vinyl chloride	1.281	62	64663	3.437	ug/L	99
6) Bromomethane	1.487	94	38235	3.099	ug/L	85
8) Chloroethane	1.548	64	40364	3.423	ug/L	100
9) Trichlorofluoromethane	1.712	101	120084	4.045	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	67650	4.049	ug/L	96
12) 1,1-Dichloroethene	2.069	96	58988	4.084	ug/L	84
13) Acetone	2.124	43	82622	32.320	ug/L	99
14) Carbon disulfide	2.240	76	166238	4.163	ug/L	100
15) Methyl Acetate	2.381	43	25150	3.718	ug/L #	90
16) Methylene chloride	2.449	84	78931	4.084	ug/L	95
17) Methyl tert-butyl Ether	2.709	73	150729	5.071	ug/L	94
18) trans-1,2-Dichloroethene	2.699	96	60697	4.487	ug/L	96
19) 1,1-Dichloroethane	3.114	63	123172	4.313	ug/L	98
21) 2-Butanone	3.883	43	140694	40.516	ug/L	95
22) cis-1,2-Dichloroethene	3.821	96	66944	4.851	ug/L	93
23) Bromochloromethane	4.156	128	33147	4.713	ug/L	96
25) Chloroform	4.281	83	134662	4.429	ug/L	99

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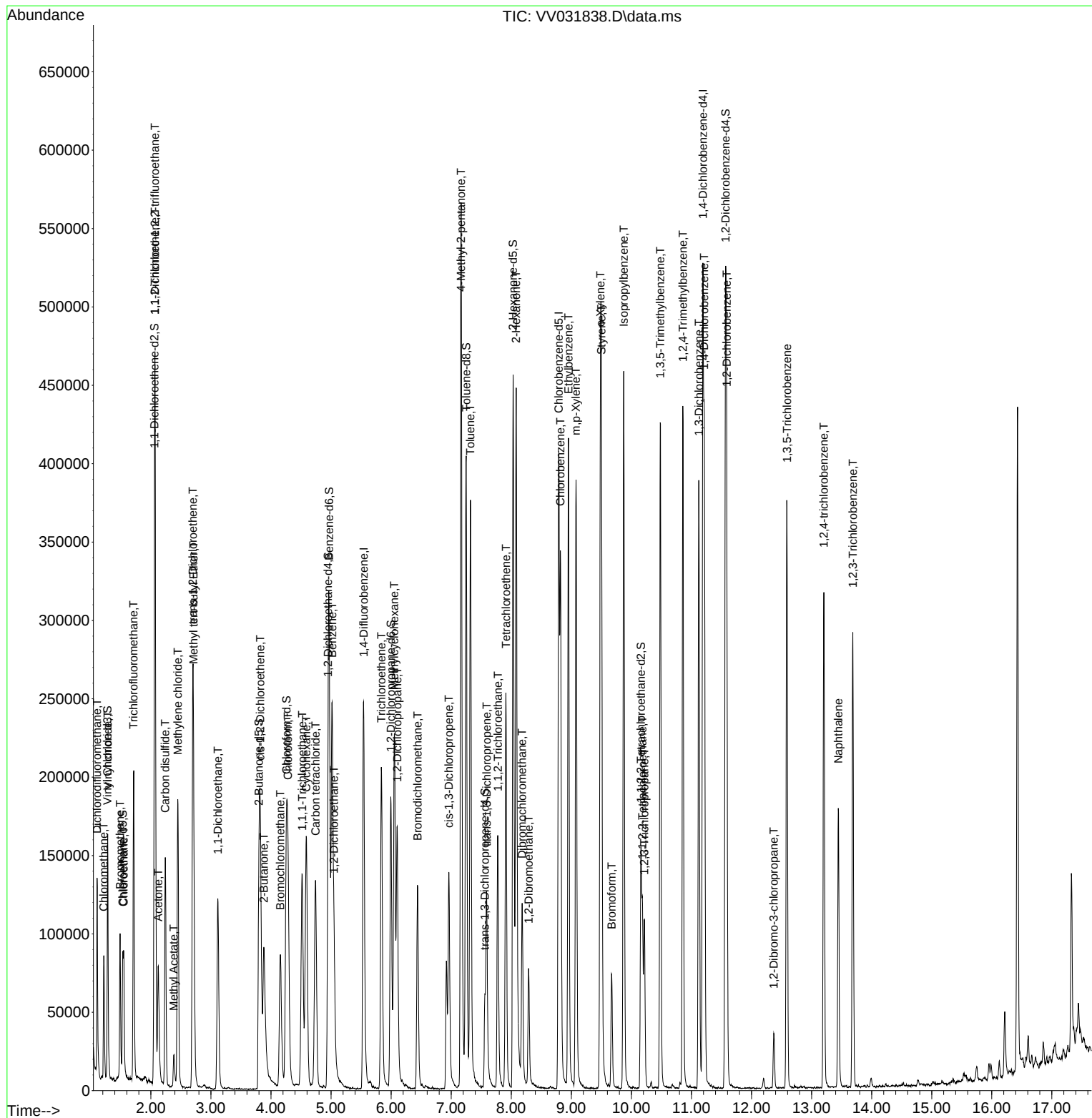
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27) 1,2-Dichloroethane	5.050	62	74220	4.124	ug/L	99
29) 1,1,1-Trichloroethane	4.519	97	120633	4.822	ug/L	99
30) Cyclohexane	4.587	56	91030	5.290	ug/L	98
31) Carbon tetrachloride	4.741	117	107615	4.860	ug/L	98
33) Benzene	5.018	78	256985	4.883	ug/L	100
34) Trichloroethene	5.837	95	76942	5.123	ug/L	89
35) Methylcyclohexane	6.053	83	90856	5.355	ug/L	98
37) 1,2-Dichloropropane	6.101	63	70997	4.714	ug/L	99
38) Bromodichloromethane	6.439	83	92991	4.709	ug/L #	99
39) cis-1,3-Dichloropropene	6.960	75	92324	5.139	ug/L	94
40) 4-Methyl-2-pentanone	7.165	43	374377	47.551	ug/L	95
42) Toluene	7.320	91	276068	5.287	ug/L	100
44) trans-1,3-Dichloropropene	7.590	75	77710	4.840	ug/L	99
45) 1,1,2-Trichloroethane	7.776	97	51656	4.530	ug/L	97
47) Tetrachloroethene	7.911	164	57540	5.212	ug/L	87
48) 2-Hexanone	8.082	43	277272	44.629	ug/L	95
49) Dibromochloromethane	8.181	129	62027	4.816	ug/L	97
50) 1,2-Dibromoethane	8.291	107	51912	4.943	ug/L #	94
51) Chlorobenzene	8.818	112	183291	5.132	ug/L	90
52) Ethylbenzene	8.953	91	284684	5.415	ug/L	99
53) m,p-Xylene	9.078	106	106544	5.663	ug/L	95
54) o-Xylene	9.484	106	101577	5.672	ug/L	99
55) Styrene	9.503	104	185990	5.693	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.185	83	54712	4.817	ug/L	99
59) Bromoform	9.670	173	34165	4.491	ug/L	97
60) Isopropylbenzene	9.873	105	286137	5.459	ug/L	98
61) 1,2,3-Trichloropropane	10.217	75	46654	4.356	ug/L	97
62) 1,3,5-Trimethylbenzene	10.480	105	232135	5.453	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	229445	5.379	ug/L	99
64) 1,3-Dichlorobenzene	11.123	146	159023	5.227	ug/L	99
65) 1,4-Dichlorobenzene	11.213	146	157323	5.107	ug/L	95
67) 1,2-Dichlorobenzene	11.586	146	146038	5.040	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.371	75	10020	4.995	ug/L	89
69) 1,3,5-Trichlorobenzene	12.590	180	118080	5.428	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	97781	5.342	ug/L	99
71) Naphthalene	13.445	128	137723	5.143	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	87827	5.308	ug/L	99

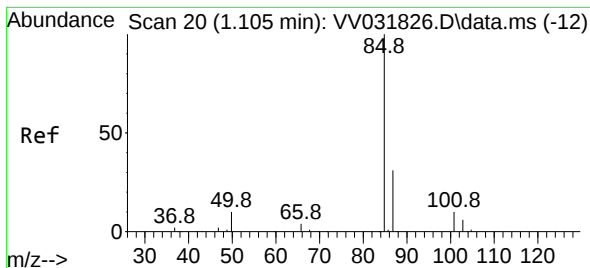
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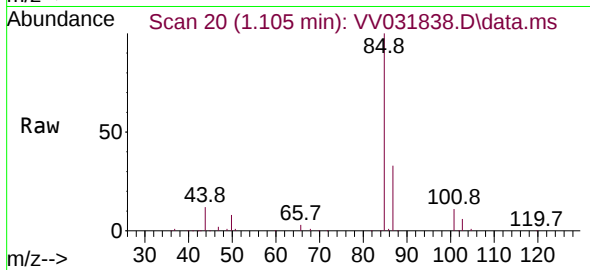
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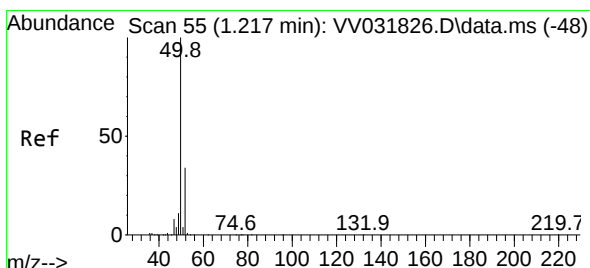
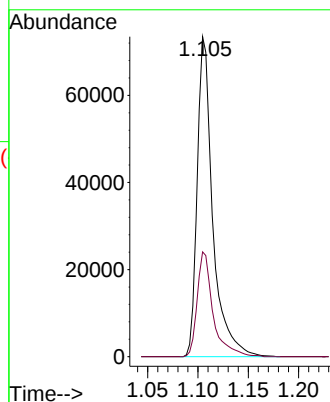
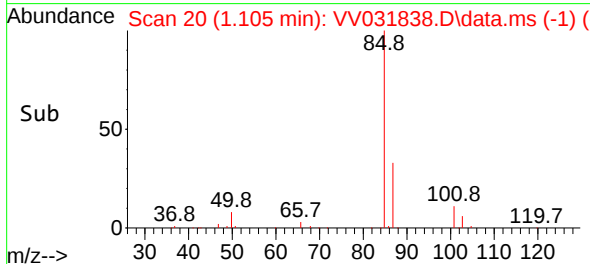


#2
 Dichlorodifluoromethane
 Concen: 3.992 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV031838.D
 Acq: 17 Aug 2023 18:01

Instrument :
 MSVOA_V
 ClientSampleId :

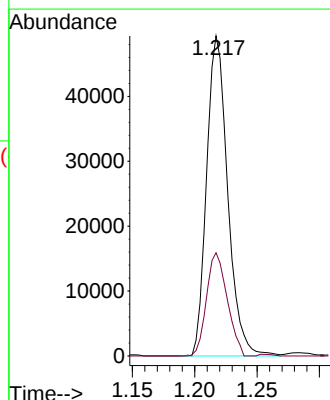
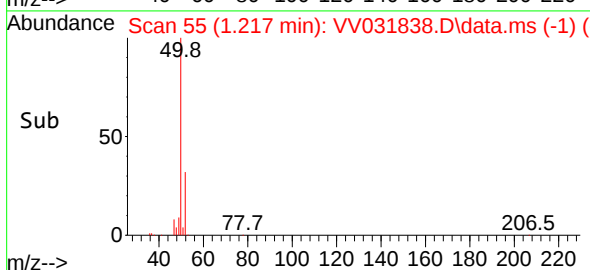
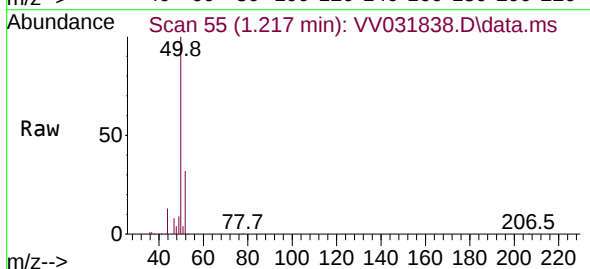


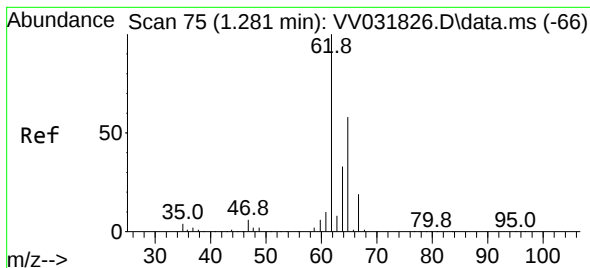
Tgt Ion: 85 Resp: 78830
 Ion Ratio Lower Upper
 85 100
 87 33.5 25.5 38.3



#3
 Chloromethane
 Concen: 3.058 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV031838.D
 Acq: 17 Aug 2023 18:01

Tgt Ion: 50 Resp: 58162
 Ion Ratio Lower Upper
 50 100
 52 32.2 23.8 44.2

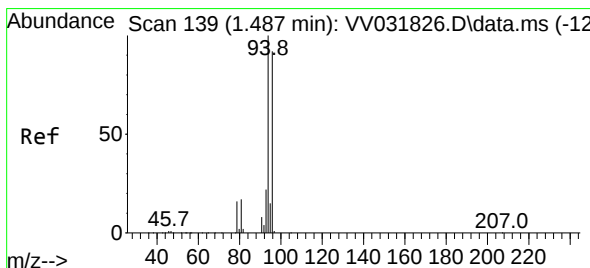
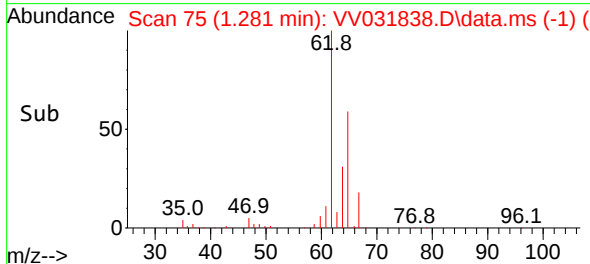
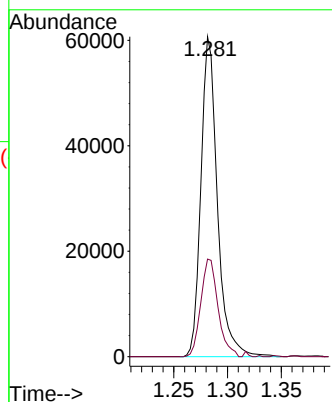
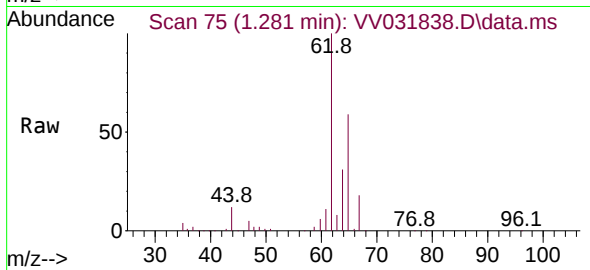




#5
 Vinyl chloride
 Concen: 3.437 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VV031838.D
 Acq: 17 Aug 2023 18:01

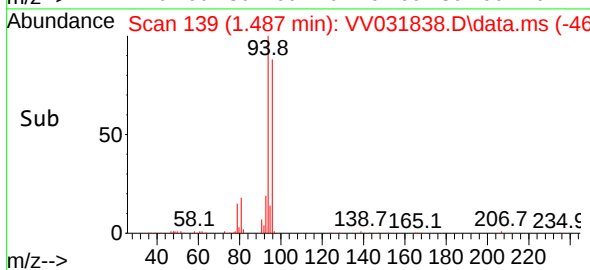
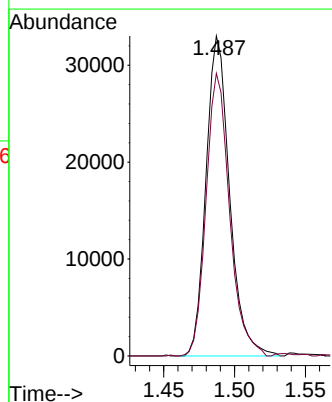
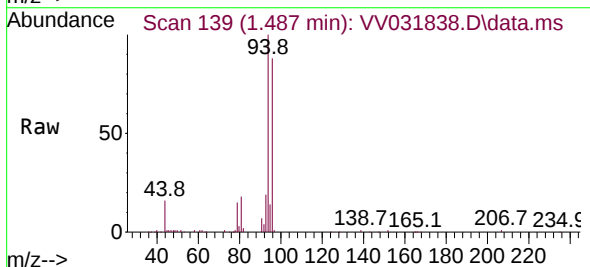
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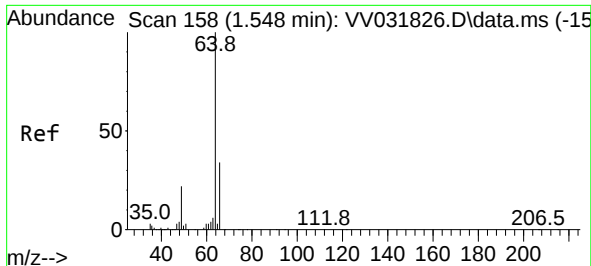
Tgt Ion: 62 Resp: 64663
 Ion Ratio Lower Upper
 62 100
 64 89.4 63.5 117.9



#6
 Bromomethane
 Concen: 3.099 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.000 min
 Lab File: VV031838.D
 Acq: 17 Aug 2023 18:01

Tgt Ion: 94 Resp: 38235
 Ion Ratio Lower Upper
 94 100
 96 78.7 65.3 121.3

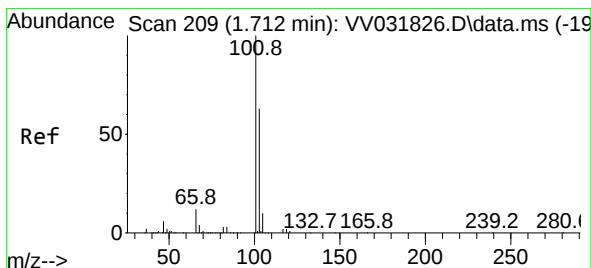
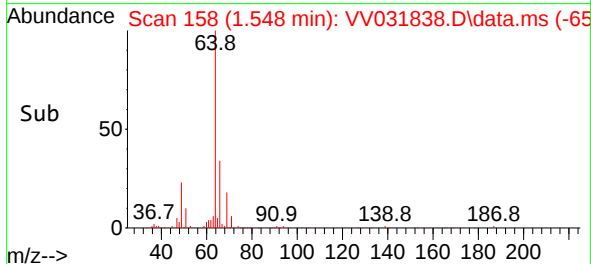
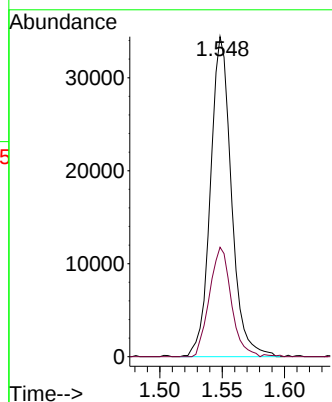
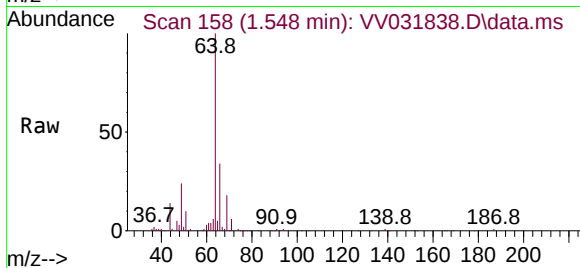




#8
Chloroethane
Concen: 3.423 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV031838.D
Acq: 17 Aug 2023 18:01

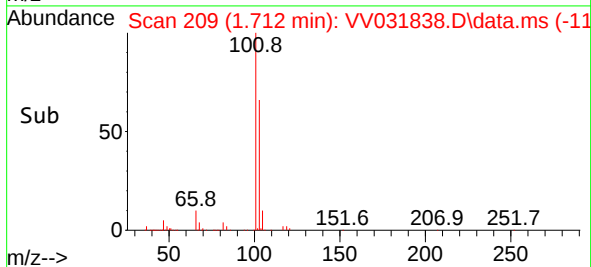
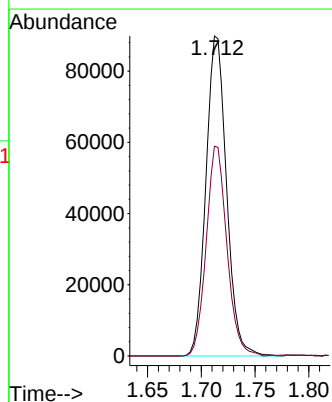
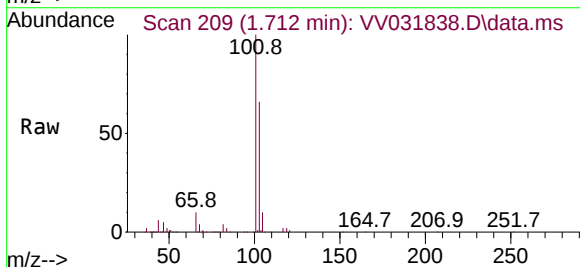
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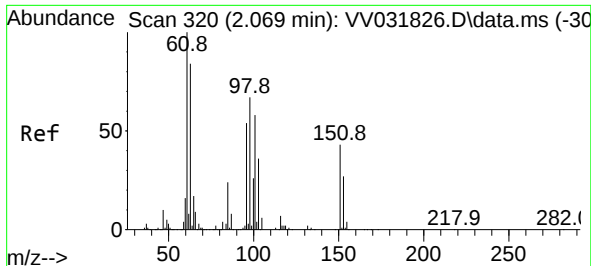
Tgt Ion: 64 Resp: 40364
Ion Ratio Lower Upper
64 100
66 32.5 22.8 42.4



#9
Trichlorofluoromethane
Concen: 4.045 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV031838.D
Acq: 17 Aug 2023 18:01

Tgt Ion:101 Resp: 120084
Ion Ratio Lower Upper
101 100
103 65.7 52.1 78.1

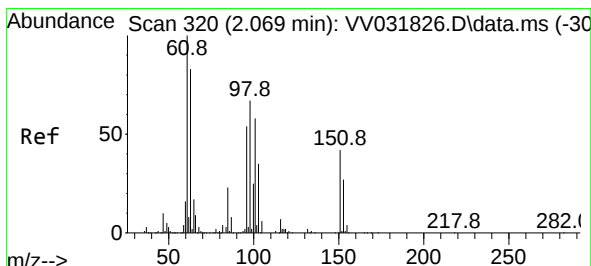
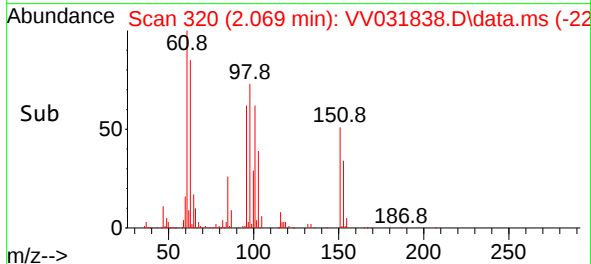
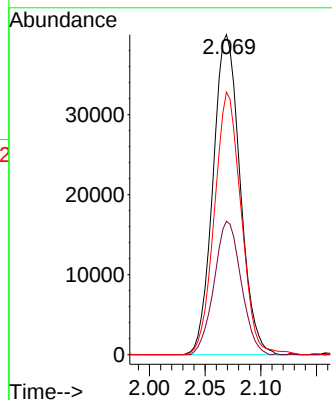
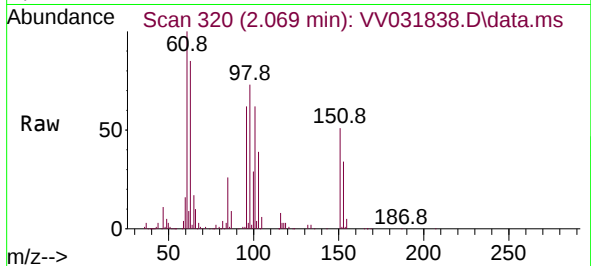




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.049 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV031838.D
 Acq: 17 Aug 2023 18:01

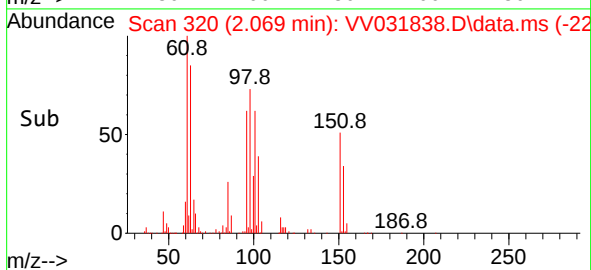
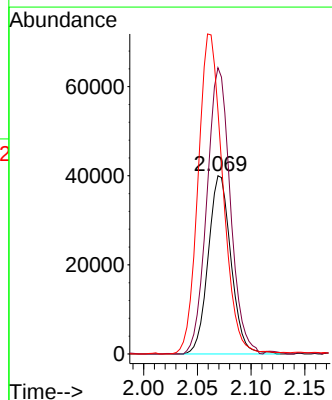
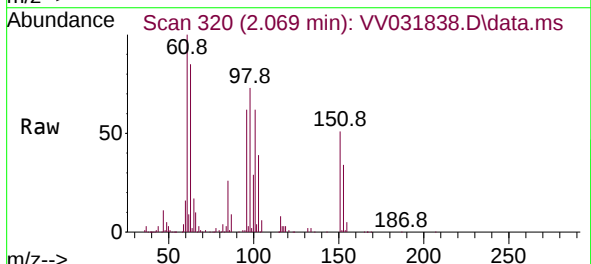
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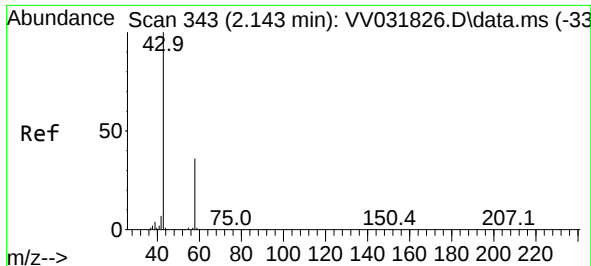
Tgt Ion:101 Resp: 67650
 Ion Ratio Lower Upper
 101 100
 85 41.6 33.3 49.9
 151 81.0 60.2 90.4



#12
 1,1-Dichloroethene
 Concen: 4.084 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. 0.000 min
 Lab File: VV031838.D
 Acq: 17 Aug 2023 18:01

Tgt Ion: 96 Resp: 58988
 Ion Ratio Lower Upper
 96 100
 61 160.6 129.0 239.6
 63 136.3 108.7 201.9





#13

Acetone

Concen: 32.320 ug/L

RT: 2.124 min Scan# 31

Delta R.T. -0.019 min

Lab File: VV031838.D

Acq: 17 Aug 2023 18:01

Instrument :

MSVOA_V

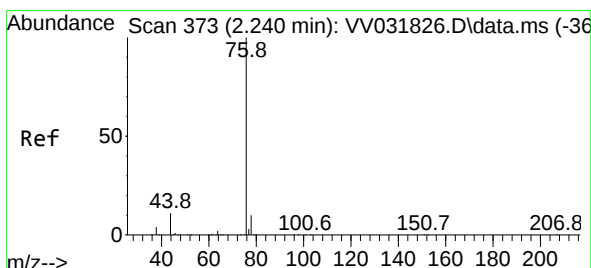
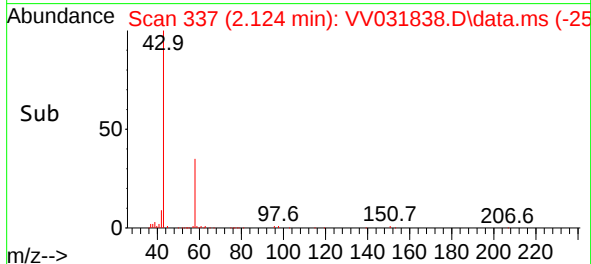
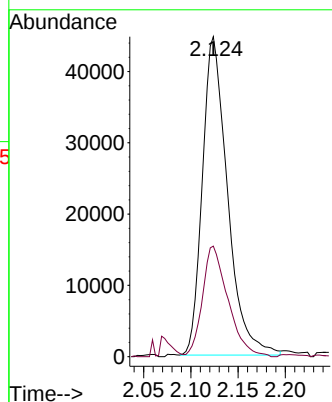
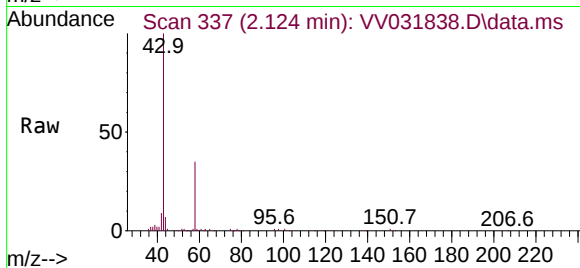
ClientSampleId :

Tgt Ion: 43 Resp: 82622

Ion Ratio Lower Upper

43 100

58 35.3 0.0 69.0



#14

Carbon disulfide

Concen: 4.163 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.000 min

Lab File: VV031838.D

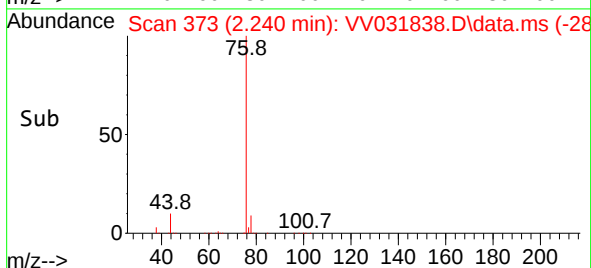
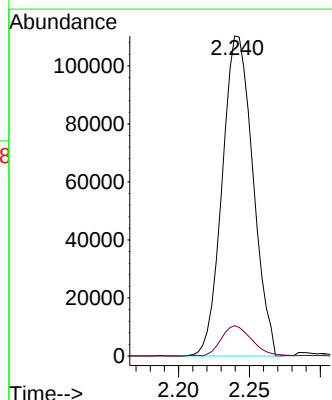
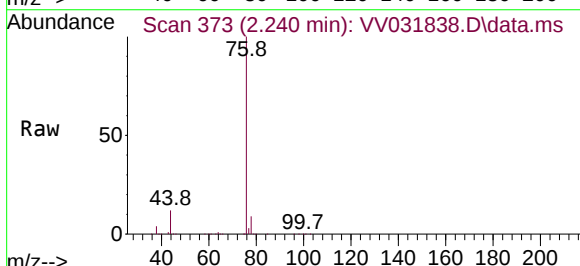
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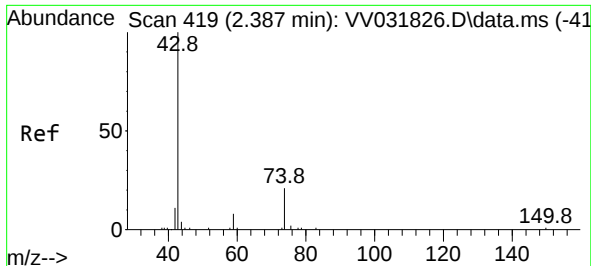
Tgt Ion: 76 Resp: 166238

Ion Ratio Lower Upper

76 100

78 9.7 7.7 11.5

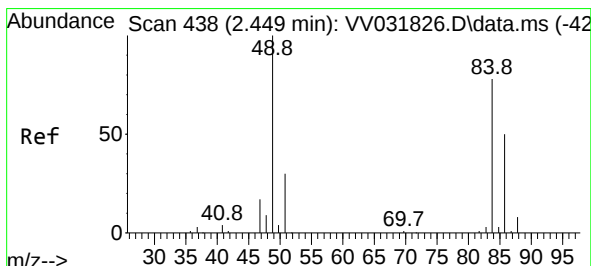
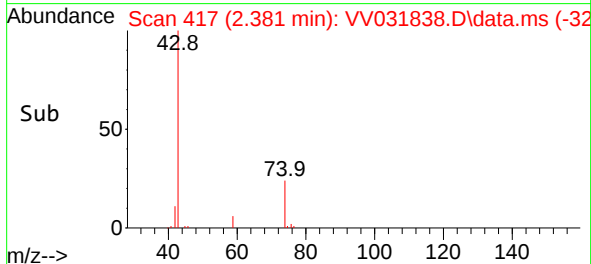
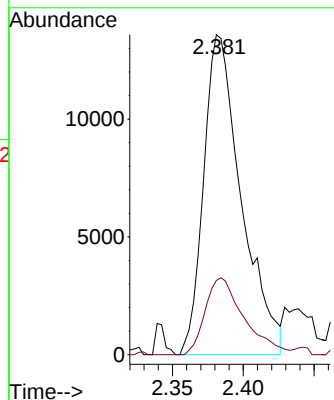
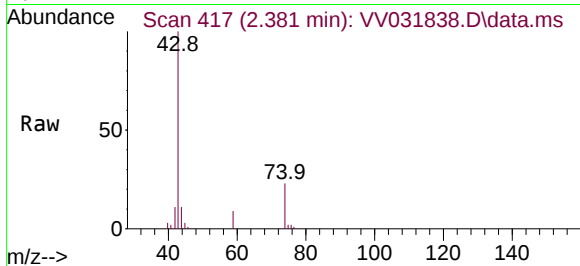




#15
Methyl Acetate
Concen: 3.718 ug/L
RT: 2.381 min Scan# 41
Delta R.T. -0.006 min
Lab File: VV031838.D
Acq: 17 Aug 2023 18:01

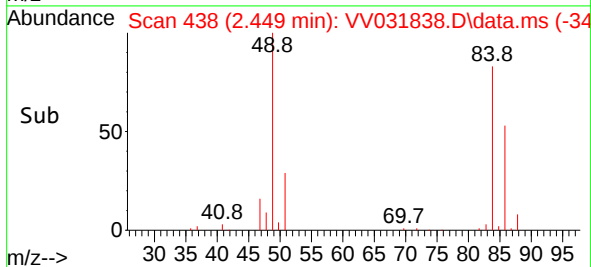
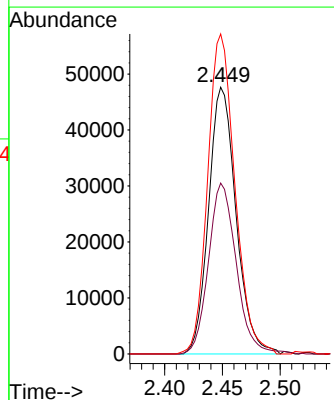
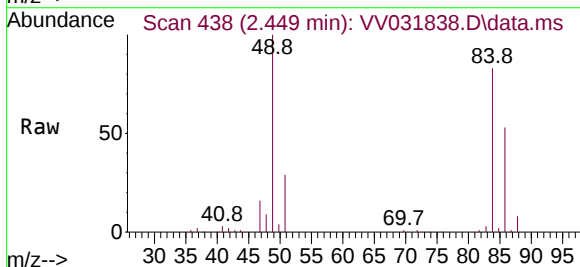
Instrument :
MSVOA_V
ClientSampleId :

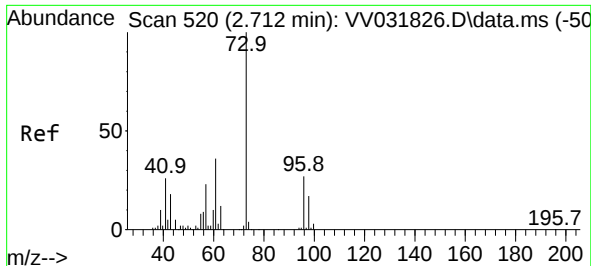
Tgt Ion: 43 Resp: 25150
Ion Ratio Lower Upper
43 100
74 24.7 16.2 24.2#



#16
Methylene chloride
Concen: 4.084 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.000 min
Lab File: VV031838.D
Acq: 17 Aug 2023 18:01

Tgt Ion: 84 Resp: 78931
Ion Ratio Lower Upper
84 100
86 64.1 44.5 82.7
49 124.8 93.0 172.6





#17

Methyl tert-butyl Ether

Concen: 5.071 ug/L

RT: 2.709 min Scan# 519

Delta R.T. -0.003 min

Lab File: VV031838.D

Acq: 17 Aug 2023 18:01

Instrument :

MSVOA_V

ClientSampleId :

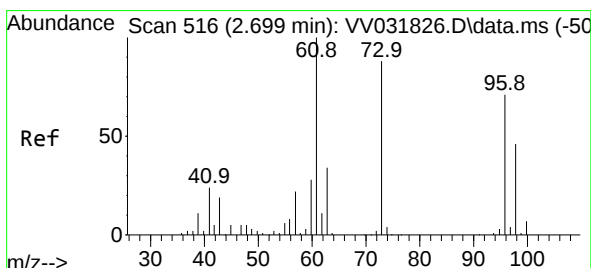
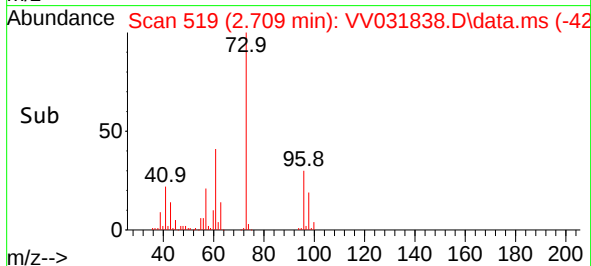
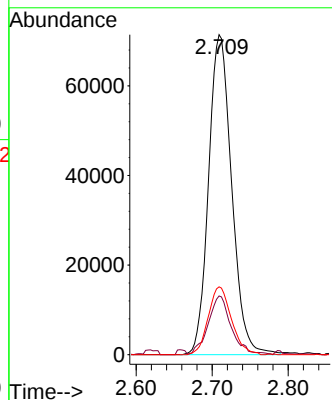
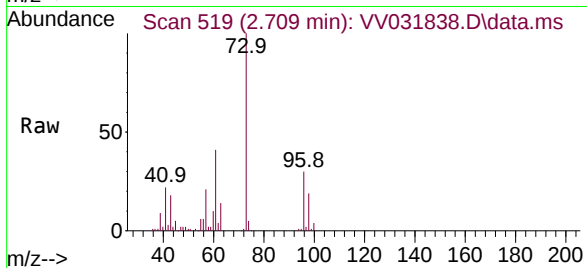
Tgt Ion: 73 Resp: 150729

Ion Ratio Lower Upper

73 100

43 18.3 16.9 25.3

57 21.3 19.7 29.5



#18

trans-1,2-Dichloroethene

Concen: 4.487 ug/L

RT: 2.699 min Scan# 516

Delta R.T. 0.000 min

Lab File: VV031838.D

Acq: 17 Aug 2023 18:01

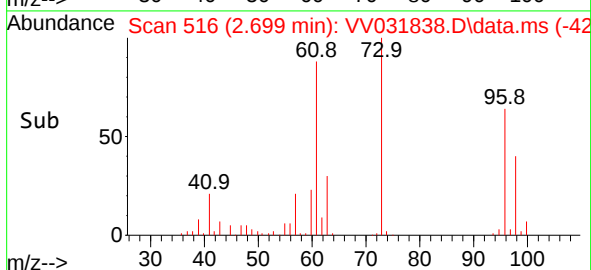
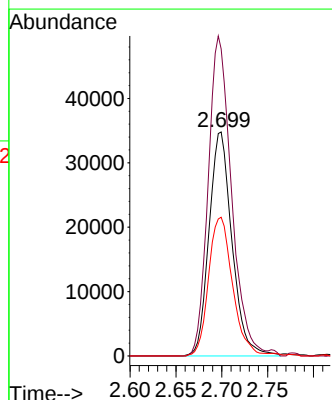
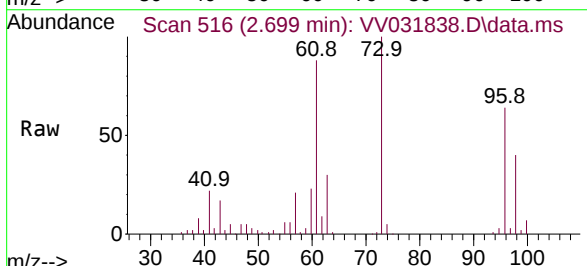
Tgt Ion: 96 Resp: 60697

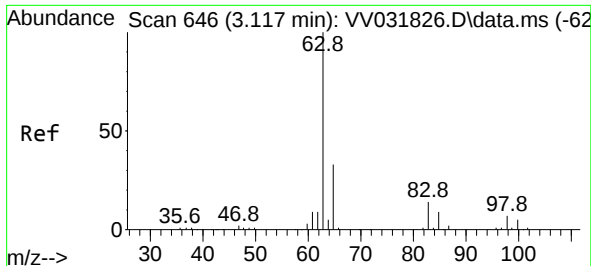
Ion Ratio Lower Upper

96 100

61 137.1 98.8 183.4

98 61.9 45.8 85.2





#19

1,1-Dichloroethane

Concen: 4.313 ug/L

RT: 3.114 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV031838.D

Acq: 17 Aug 2023 18:01

Instrument :

MSVOA_V

ClientSampleId :

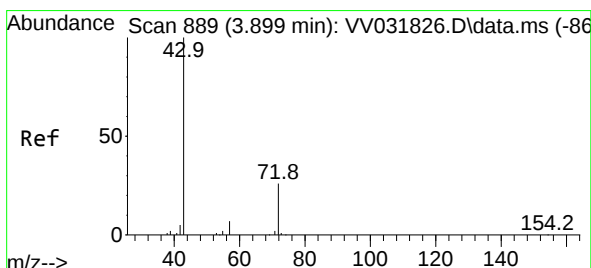
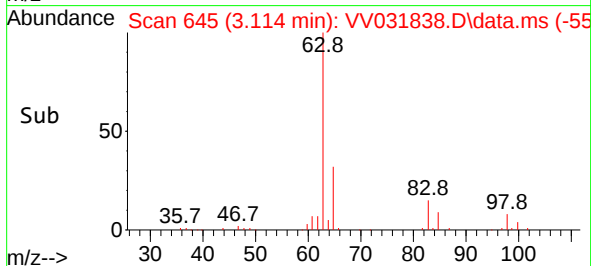
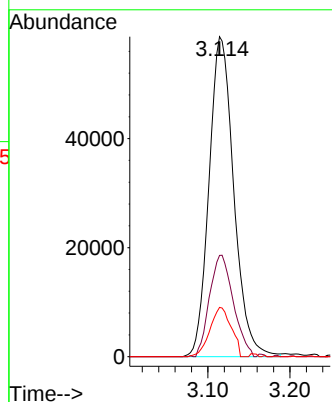
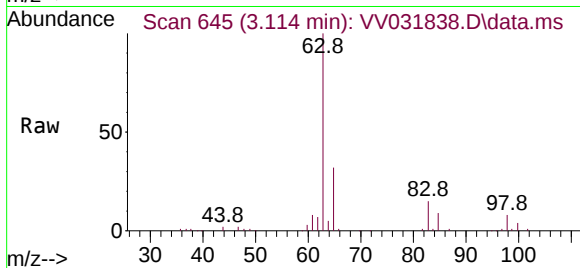
Tgt Ion: 63 Resp: 123172

Ion Ratio Lower Upper

63 100

65 30.7 22.3 41.5

83 14.7 9.4 17.6



#21

2-Butanone

Concen: 40.516 ug/L

RT: 3.883 min Scan# 884

Delta R.T. -0.016 min

Lab File: VV031838.D

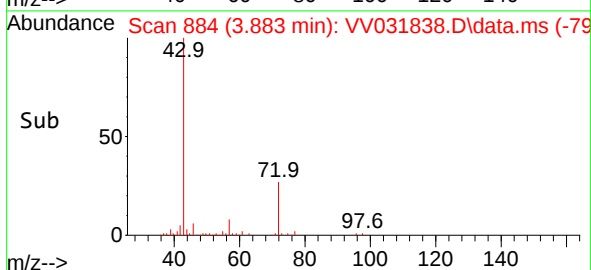
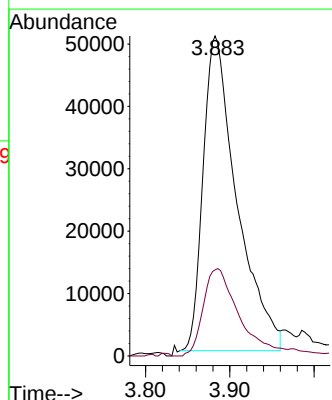
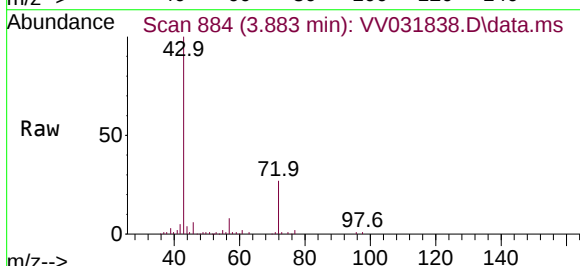
Acq: 17 Aug 2023 18:01

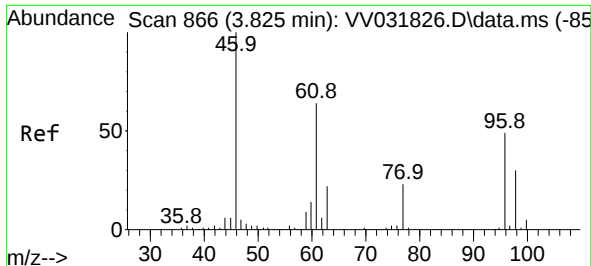
Tgt Ion: 43 Resp: 140694

Ion Ratio Lower Upper

43 100

72 29.4 13.5 40.4





#22

cis-1,2-Dichloroethene

Concen: 4.851 ug/L

RT: 3.821 min Scan# 865

Delta R.T. -0.003 min

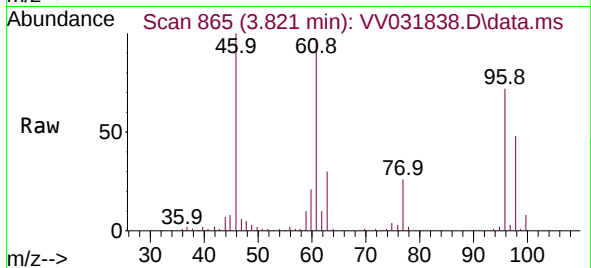
Lab File: VV031838.D

Acq: 17 Aug 2023 18:01

Instrument :

MSVOA_V

ClientSampleId :



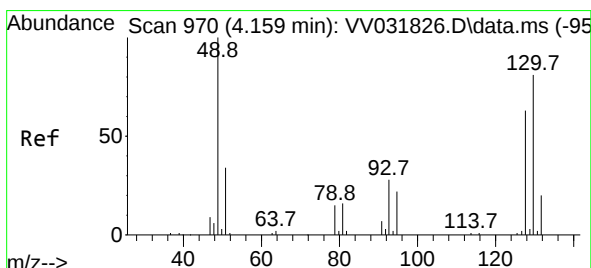
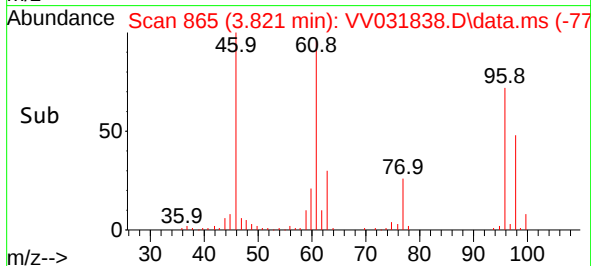
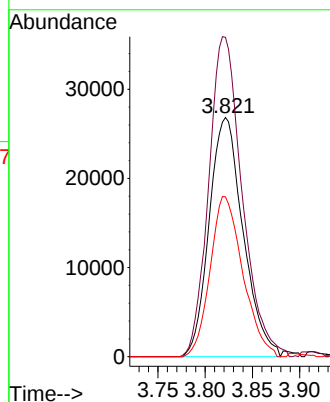
Tgt Ion: 96 Resp: 66944

Ion Ratio Lower Upper

96 100

61 133.5 88.8 165.0

98 68.4 42.1 78.3



#23

Bromochloromethane

Concen: 4.713 ug/L

RT: 4.156 min Scan# 969

Delta R.T. -0.003 min

Lab File: VV031838.D

Acq: 17 Aug 2023 18:01

Tgt Ion: 128 Resp: 33147

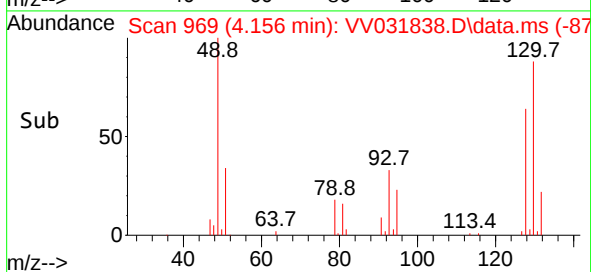
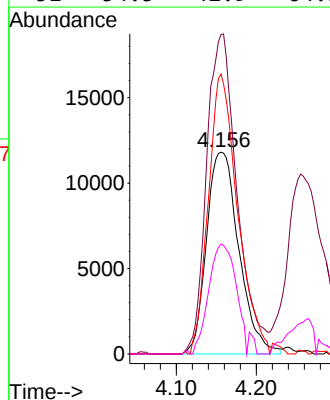
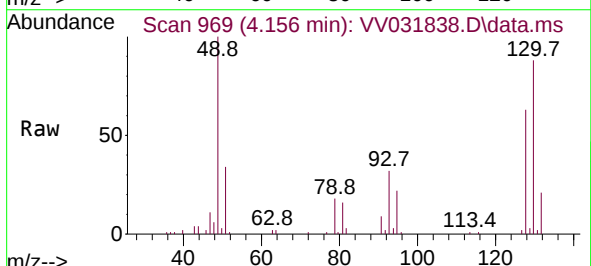
Ion Ratio Lower Upper

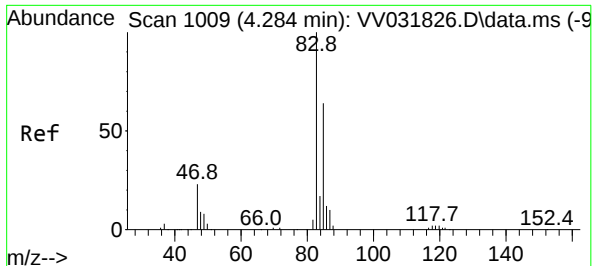
128 100

49 163.8 115.7 214.9

130 138.7 90.7 168.5

51 54.5 42.9 64.3





#25

Chloroform

Concen: 4.429 ug/L

RT: 4.281 min Scan# 1009

Delta R.T. -0.003 min

Lab File: VV031838.D

Acq: 17 Aug 2023 18:01

Instrument :

MSVOA_V

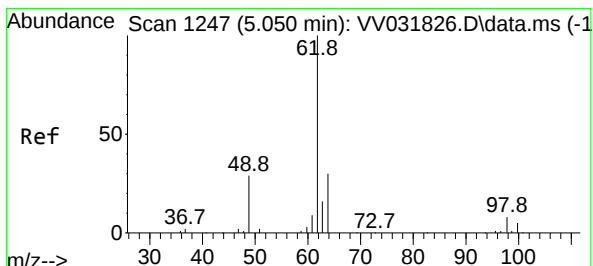
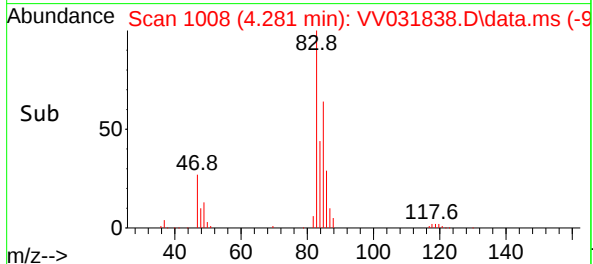
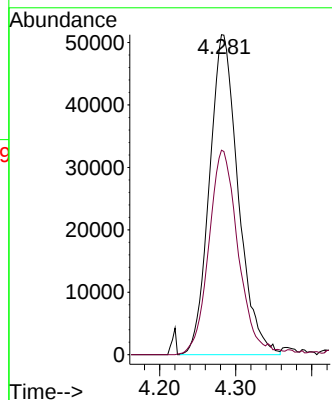
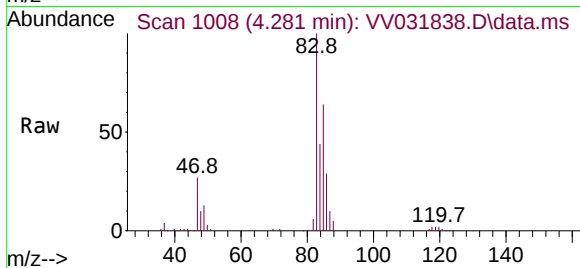
ClientSampleId :

Tgt Ion: 83 Resp: 134662

Ion Ratio Lower Upper

83 100

85 63.9 45.4 84.2



#27

1,2-Dichloroethane

Concen: 4.124 ug/L

RT: 5.050 min Scan# 1247

Delta R.T. 0.000 min

Lab File: VV031838.D

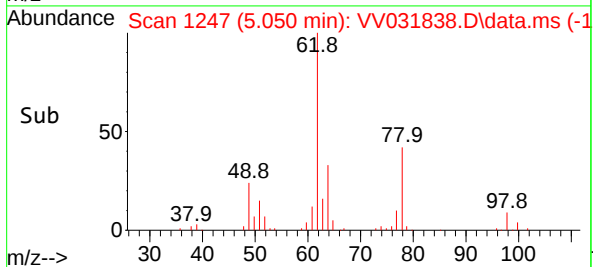
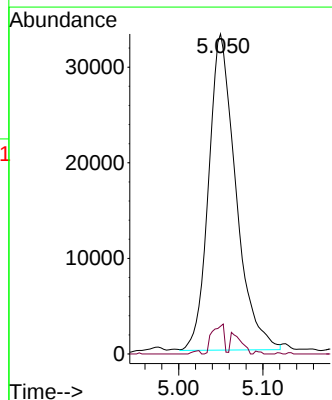
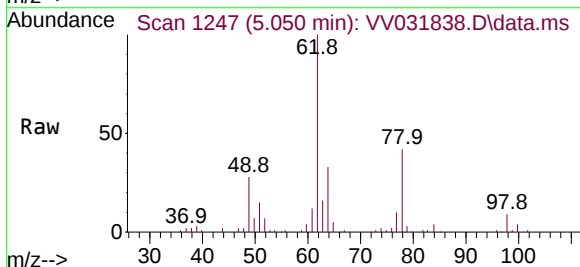
Acq: 17 Aug 2023 18:01

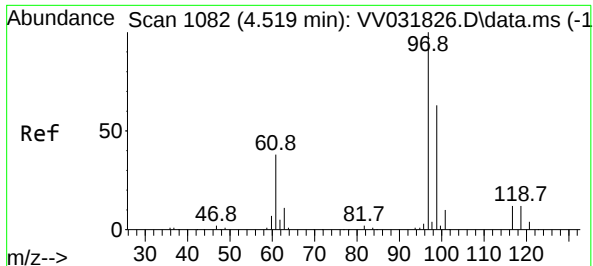
Tgt Ion: 62 Resp: 74220

Ion Ratio Lower Upper

62 100

98 8.7 7.4 11.0





#29

1,1,1-Trichloroethane

Concen: 4.822 ug/L

RT: 4.519 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VV031838.D

Acq: 17 Aug 2023 18:01

Instrument :

MSVOA_V

ClientSampleId :

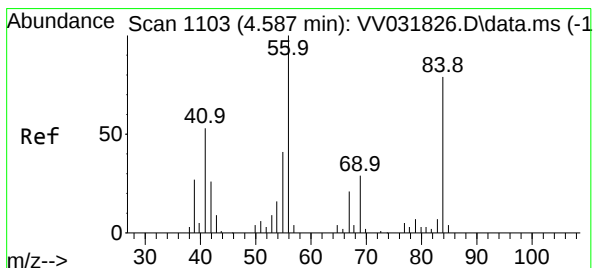
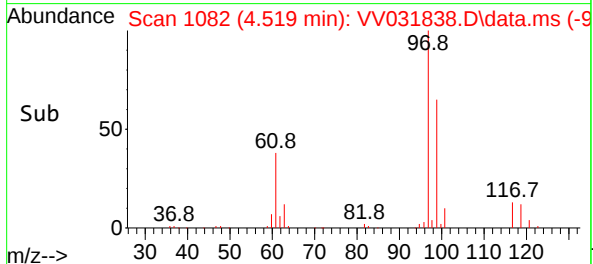
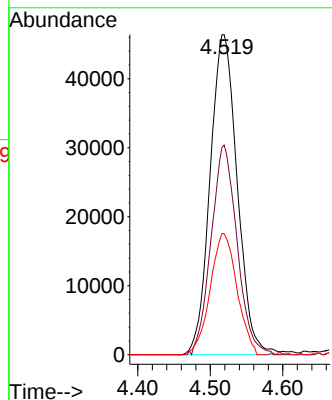
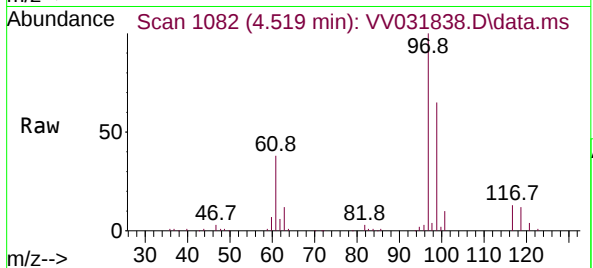
Tgt Ion: 97 Resp: 120633

Ion Ratio Lower Upper

97 100

99 62.8 50.4 75.6

61 37.3 30.6 46.0



#30

Cyclohexane

Concen: 5.290 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VV031838.D

Acq: 17 Aug 2023 18:01

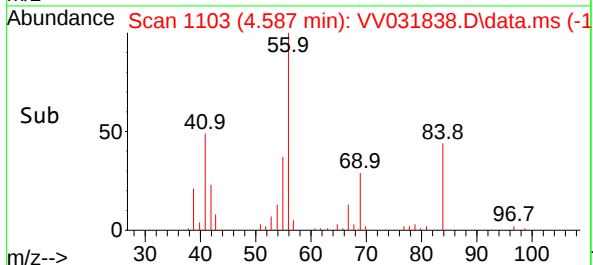
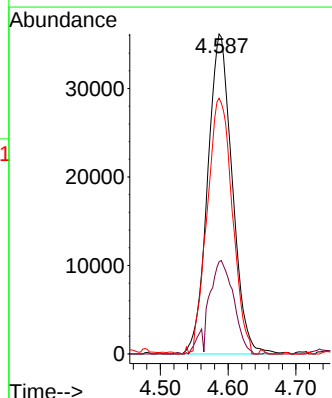
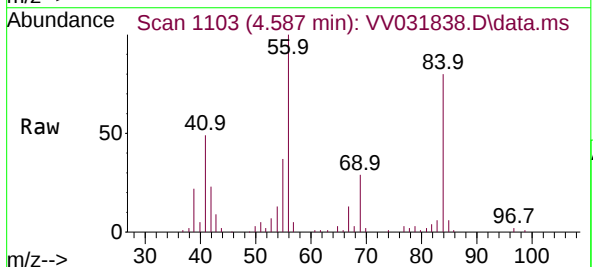
Tgt Ion: 56 Resp: 91030

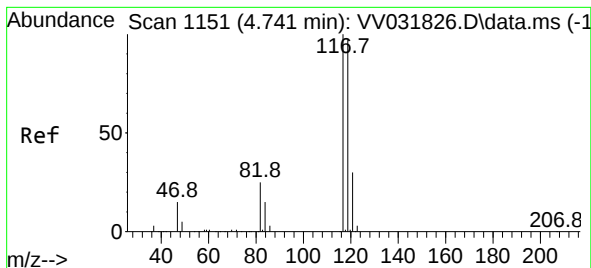
Ion Ratio Lower Upper

56 100

69 29.6 21.9 32.9

84 81.6 66.2 99.2





#31

Carbon tetrachloride

Concen: 4.860 ug/L

RT: 4.741 min Scan# 1151

Delta R.T. 0.000 min

Lab File: VV031838.D

Acq: 17 Aug 2023 18:01

Instrument :

MSVOA_V

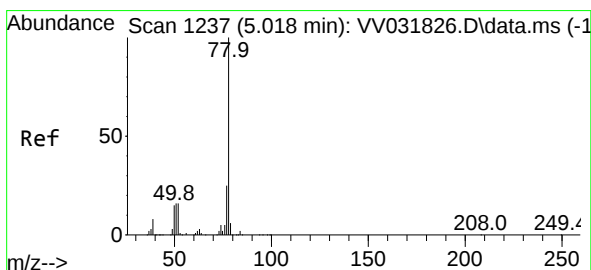
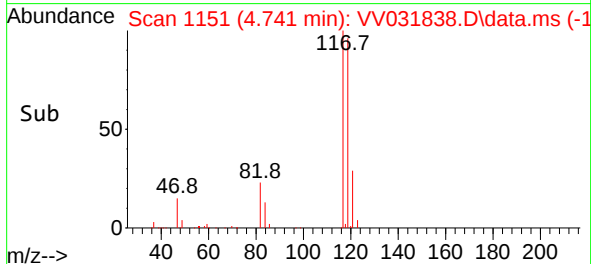
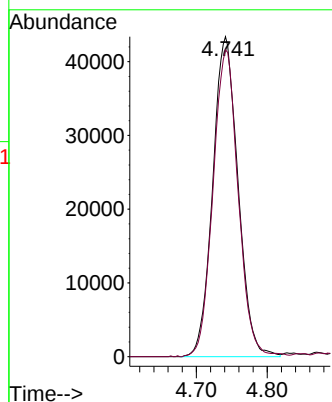
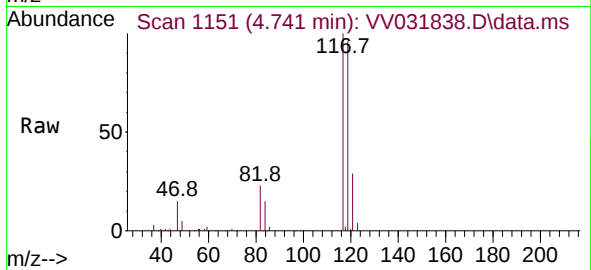
ClientSampleId :

Tgt Ion:117 Resp: 107615

Ion Ratio Lower Upper

117 100

119 95.1 77.9 116.9



#33

Benzene

Concen: 4.883 ug/L

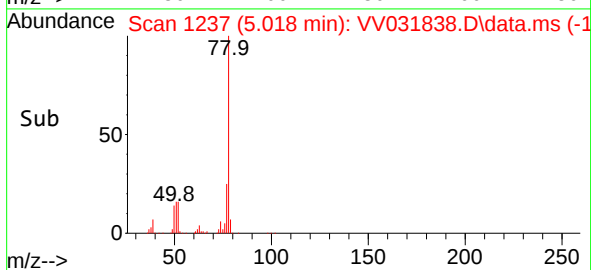
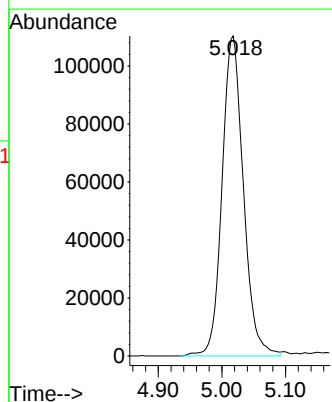
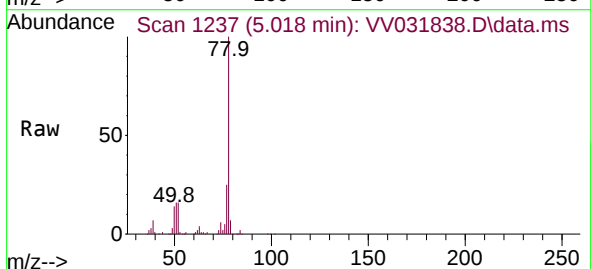
RT: 5.018 min Scan# 1237

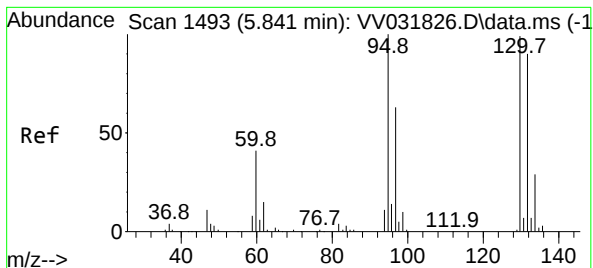
Delta R.T. 0.000 min

Lab File: VV031838.D

Acq: 17 Aug 2023 18:01

Tgt Ion: 78 Resp: 256985





#34

Trichloroethene

Concen: 5.123 ug/L

RT: 5.837 min Scan# 1492

Delta R.T. -0.003 min

Lab File: VV031838.D

Acq: 17 Aug 2023 18:01

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 76942

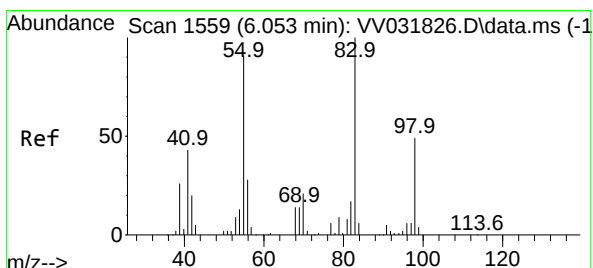
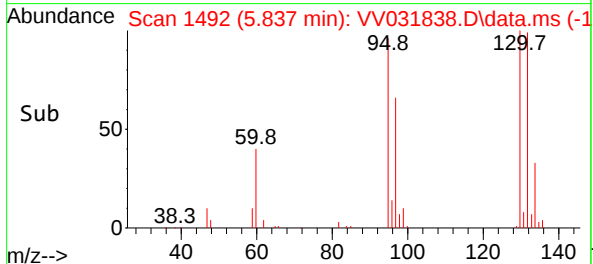
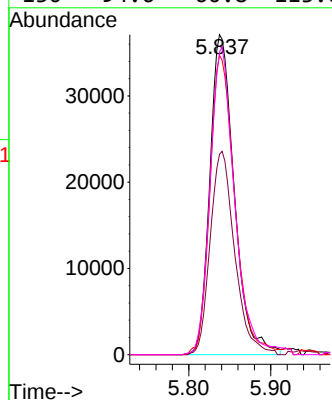
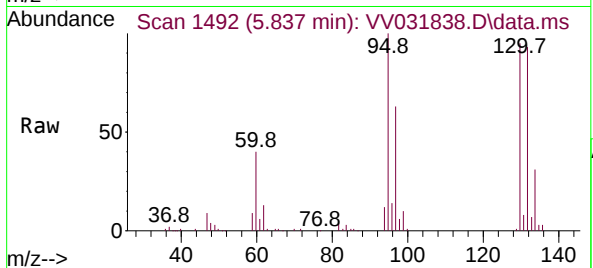
Ion Ratio Lower Upper

95 100

97 62.6 39.0 72.4

132 93.5 55.4 103.0

130 94.6 60.8 113.0



#35

Methylcyclohexane

Concen: 5.355 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. 0.000 min

Lab File: VV031838.D

Acq: 17 Aug 2023 18:01

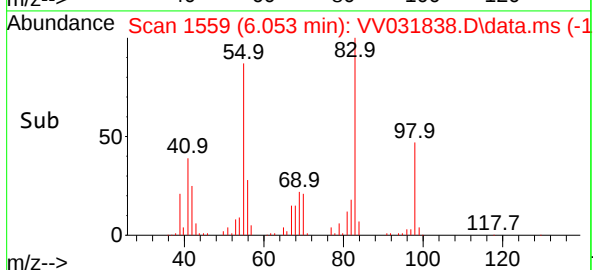
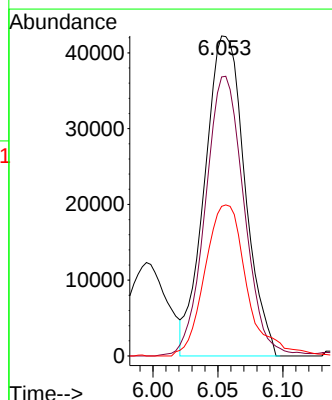
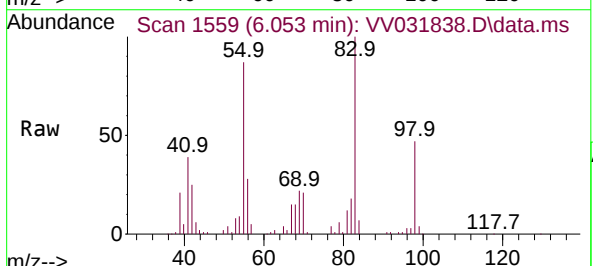
Tgt Ion: 83 Resp: 90856

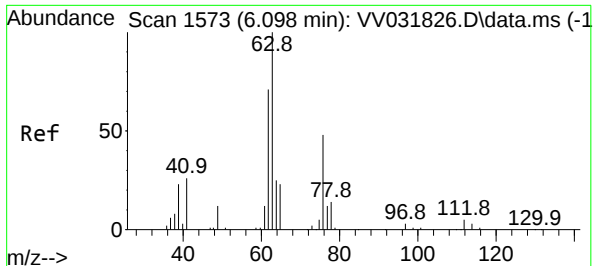
Ion Ratio Lower Upper

83 100

55 84.4 69.1 103.7

98 49.2 38.5 57.7





#37

1,2-Dichloropropane

Concen: 4.714 ug/L

RT: 6.101 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV031838.D

Acq: 17 Aug 2023 18:01

Instrument :

MSVOA_V

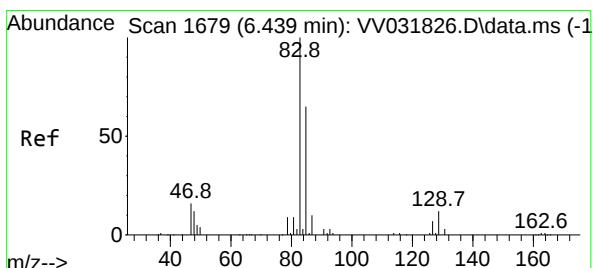
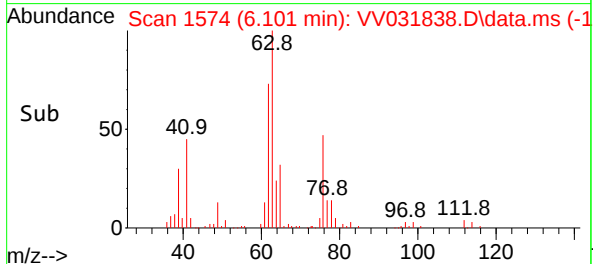
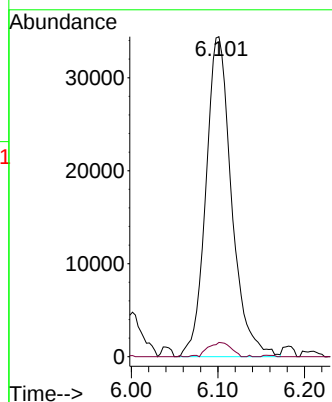
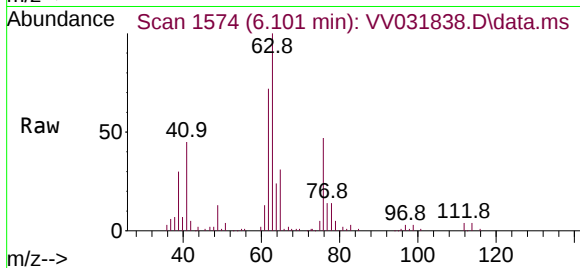
ClientSampleId :

Tgt Ion: 63 Resp: 70997

Ion Ratio Lower Upper

63 100

112 4.0 3.4 5.0



#38

Bromodichloromethane

Concen: 4.709 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. 0.000 min

Lab File: VV031838.D

Acq: 17 Aug 2023 18:01

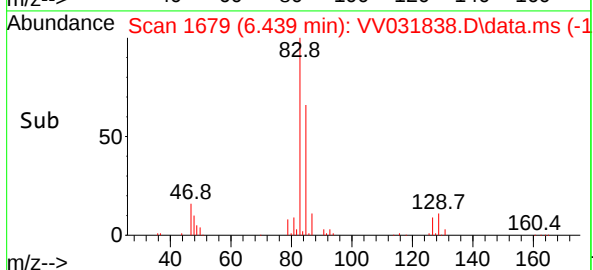
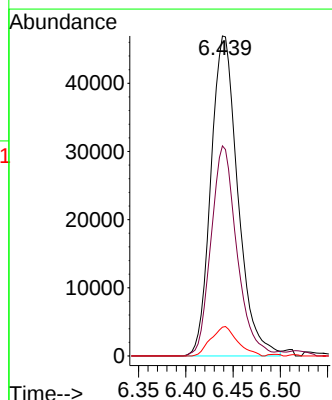
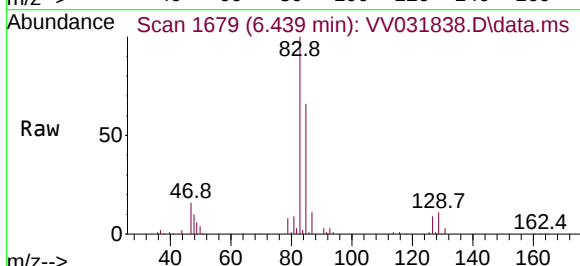
Tgt Ion: 83 Resp: 92991

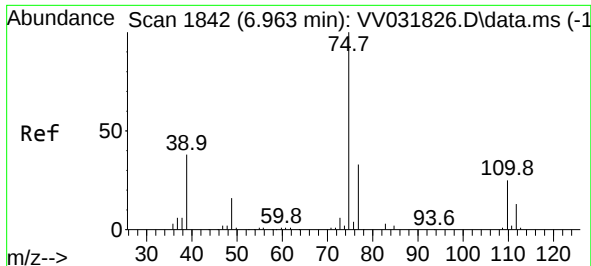
Ion Ratio Lower Upper

83 100

85 65.7 45.4 84.2

127 9.0 5.9 8.9#





#39

cis-1,3-Dichloropropene

Concen: 5.139 ug/L

RT: 6.960 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV031838.D

Acq: 17 Aug 2023 18:01

Instrument :

MSVOA_V

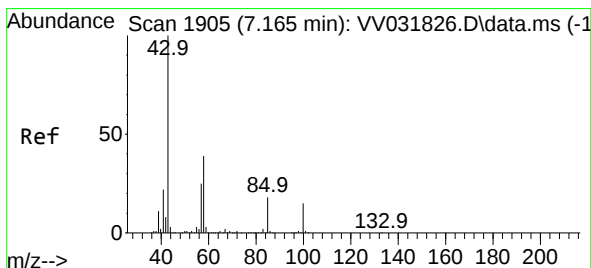
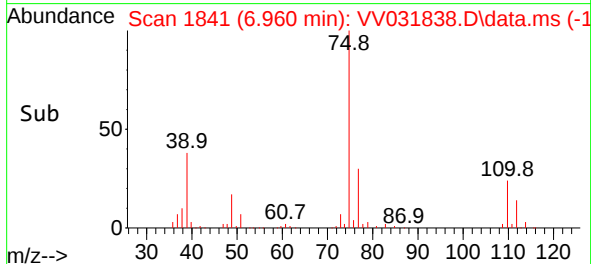
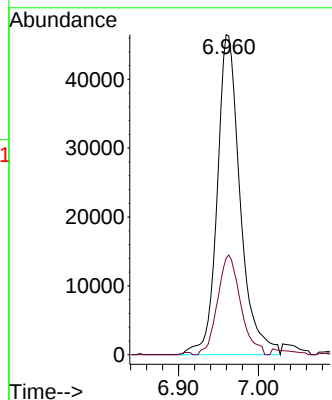
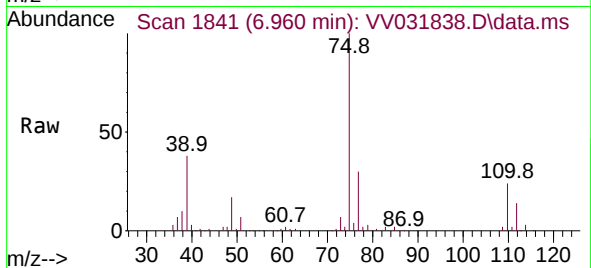
ClientSampleId :

Tgt Ion: 75 Resp: 92324

Ion Ratio Lower Upper

75 100

77 30.2 23.4 43.4



#40

4-Methyl-2-pentanone

Concen: 47.551 ug/L

RT: 7.165 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VV031838.D

Acq: 17 Aug 2023 18:01

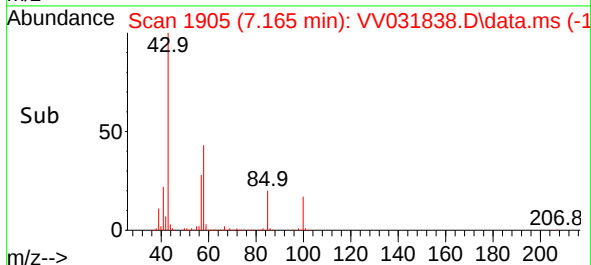
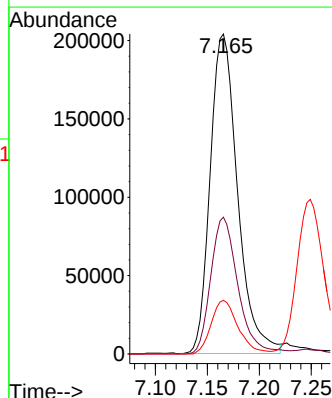
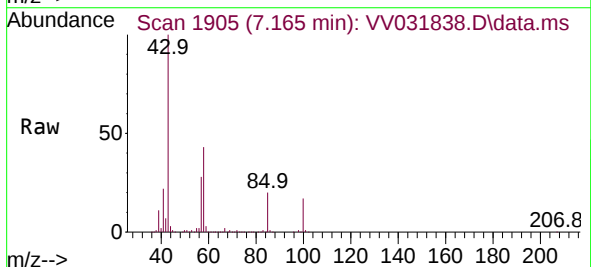
Tgt Ion: 43 Resp: 374377

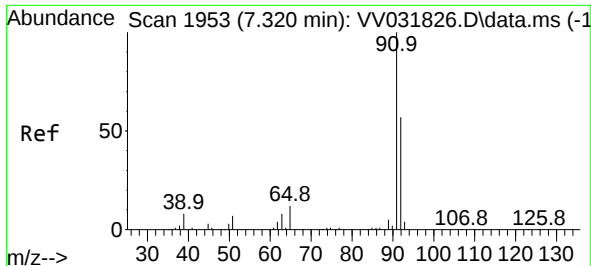
Ion Ratio Lower Upper

43 100

58 42.5 31.4 47.2

100 16.5 11.2 16.8





#42

Toluene

Concen: 5.287 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VV031838.D

Acq: 17 Aug 2023 18:01

Instrument :

MSVOA_V

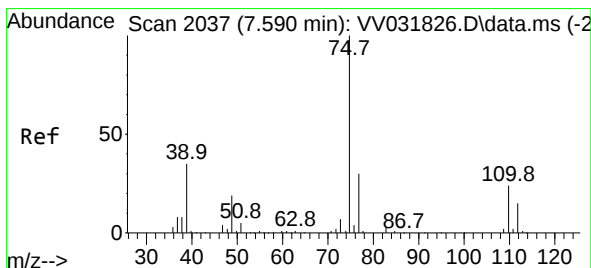
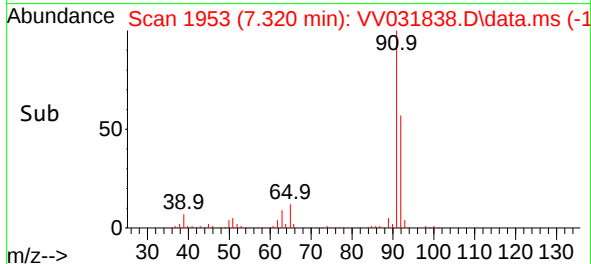
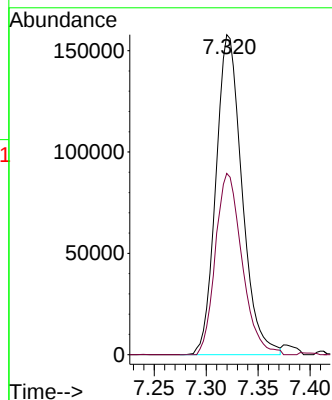
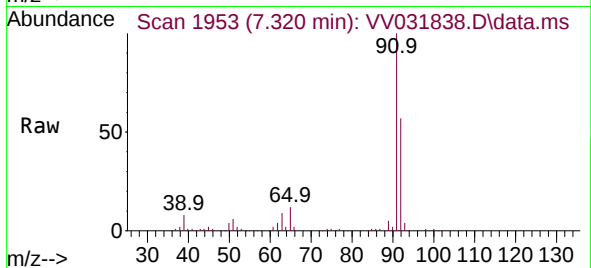
ClientSampleId :

Tgt Ion: 91 Resp: 276068

Ion Ratio Lower Upper

91 100

92 56.7 39.8 74.0



#44

trans-1,3-Dichloropropene

Concen: 4.840 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.000 min

Lab File: VV031838.D

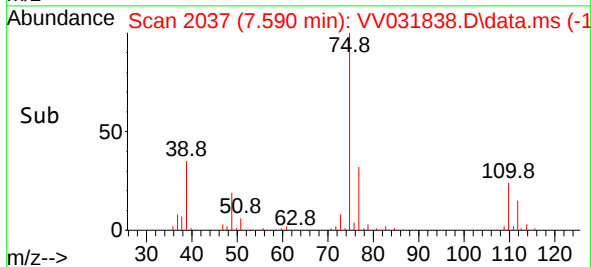
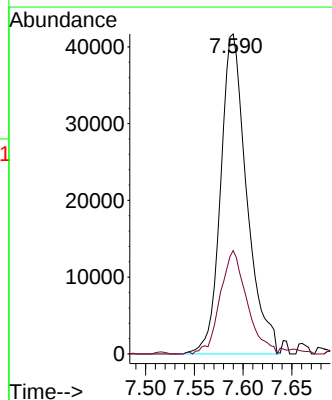
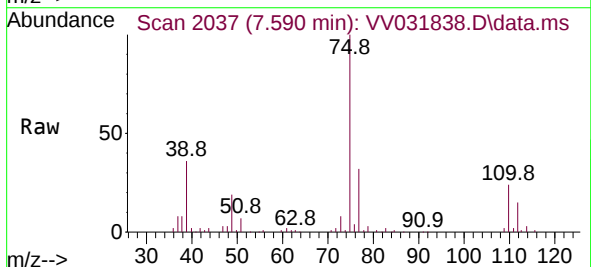
Acq: 17 Aug 2023 18:01

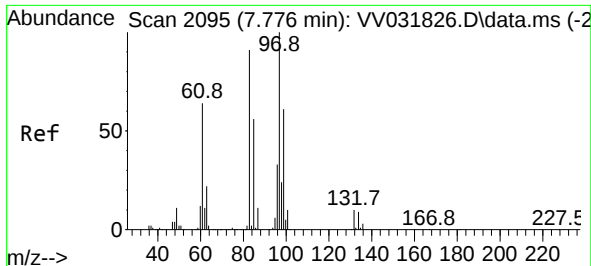
Tgt Ion: 75 Resp: 77710

Ion Ratio Lower Upper

75 100

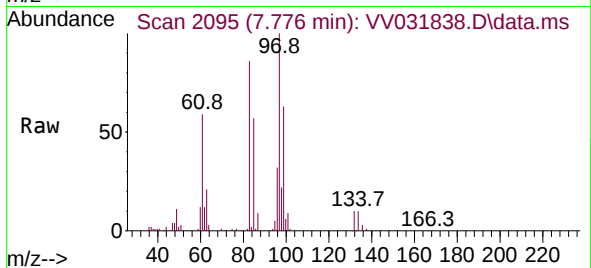
77 32.3 22.4 41.6



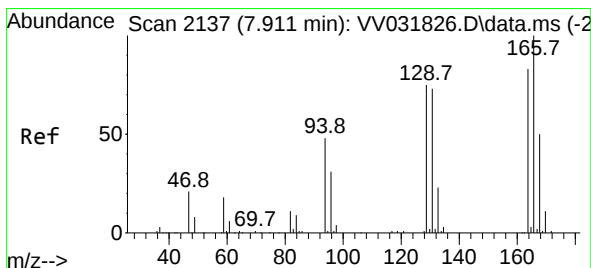
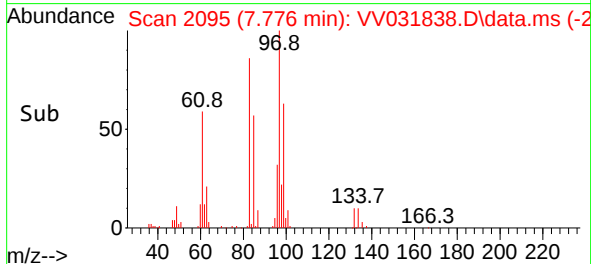
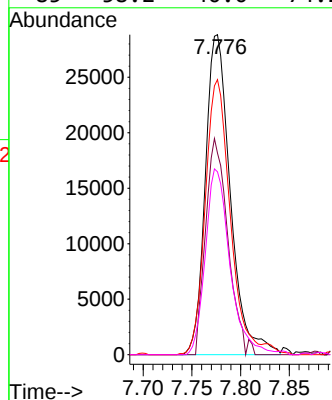


#45
1,1,2-Trichloroethane
Concen: 4.530 ug/L
RT: 7.776 min Scan# 2095
Delta R.T. 0.000 min
Lab File: VV031838.D
Acq: 17 Aug 2023 18:01

Instrument :
MSVOA_V
ClientSampleId :

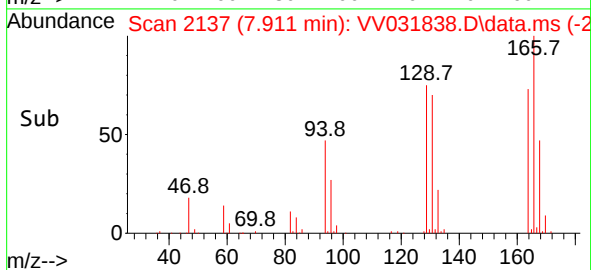
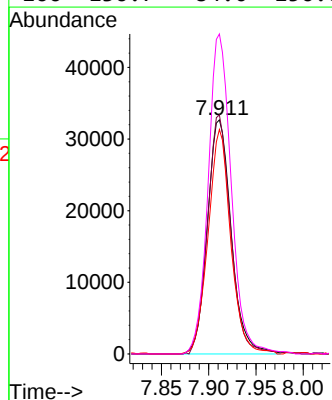
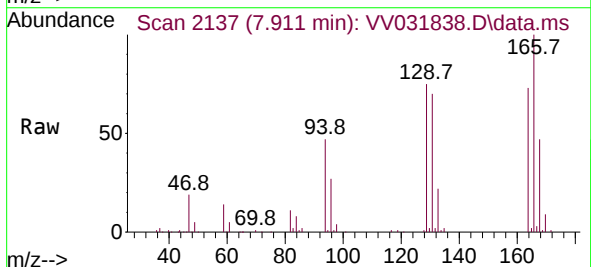


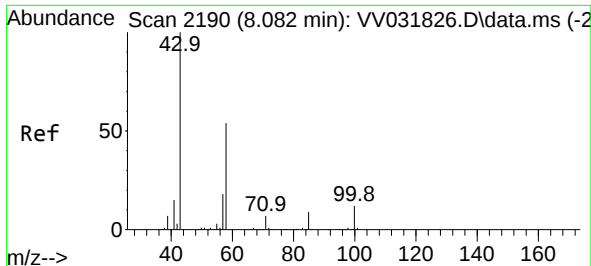
Tgt Ion:	97	Resp:	51656
Ion	Ratio	Lower	Upper
97	100		
99	63.0	43.0	79.8
83	85.9	63.8	118.4
85	58.2	40.0	74.2



#47
Tetrachloroethene
Concen: 5.212 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VV031838.D
Acq: 17 Aug 2023 18:01

Tgt Ion:	164	Resp:	57540
Ion	Ratio	Lower	Upper
164	100		
129	102.1	62.9	116.7
131	95.8	61.2	113.8
166	136.7	84.0	156.0

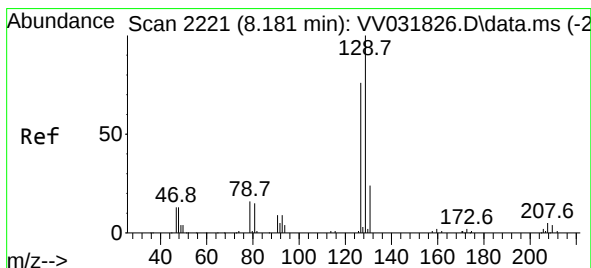
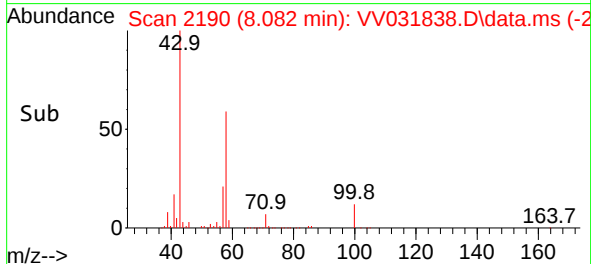
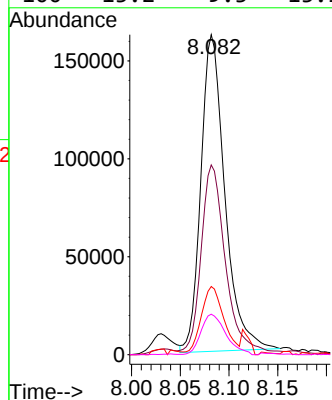
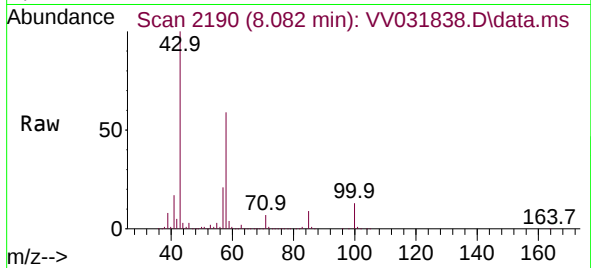




#48
2-Hexanone
Concen: 44.629 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. 0.000 min
Lab File: VV031838.D
Acq: 17 Aug 2023 18:01

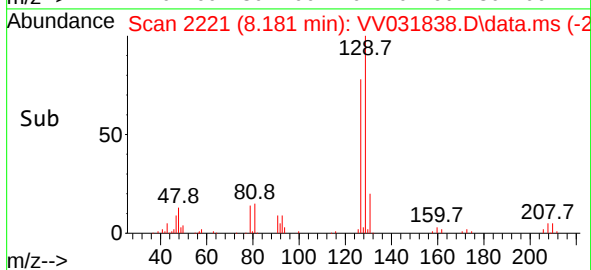
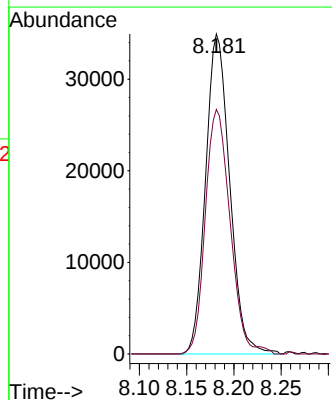
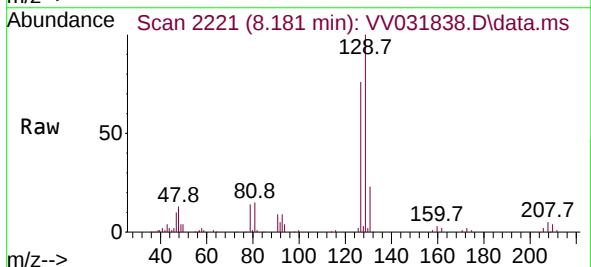
Instrument :
MSVOA_V
ClientSampleId :

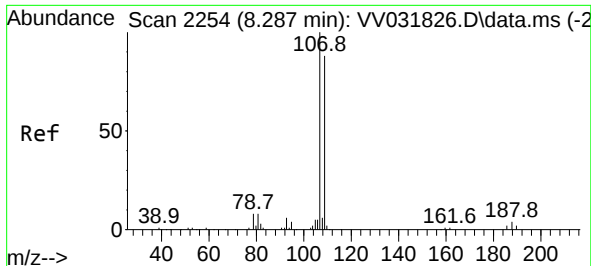
Tgt Ion: 43 Resp: 277272
Ion Ratio Lower Upper
43 100
58 59.4 44.4 66.6
57 20.3 15.0 22.6
100 13.2 9.3 13.9



#49
Dibromochloromethane
Concen: 4.816 ug/L
RT: 8.181 min Scan# 2221
Delta R.T. 0.000 min
Lab File: VV031838.D
Acq: 17 Aug 2023 18:01

Tgt Ion: 129 Resp: 62027
Ion Ratio Lower Upper
129 100
127 76.4 55.6 103.2

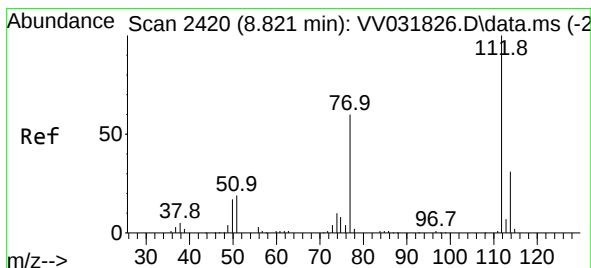
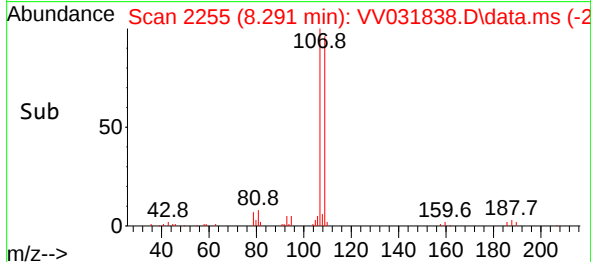
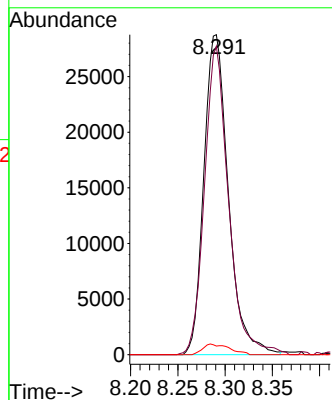
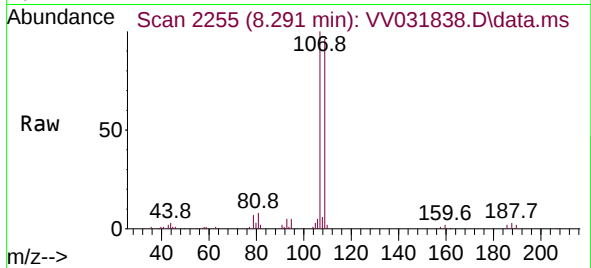




#50
1,2-Dibromoethane
Concen: 4.943 ug/L
RT: 8.291 min Scan# 2419
Delta R.T. 0.003 min
Lab File: VV031838.D
Acq: 17 Aug 2023 18:01

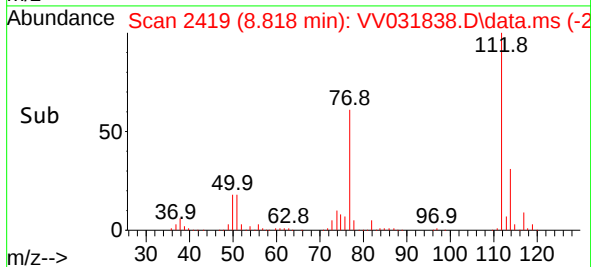
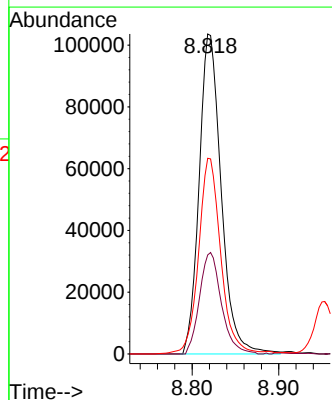
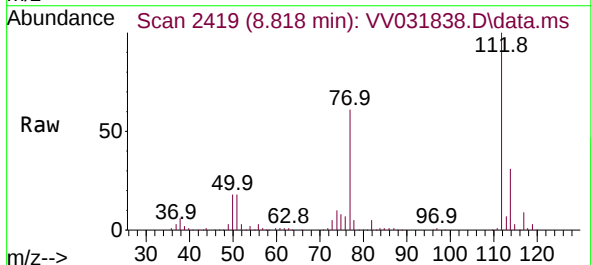
Instrument :
MSVOA_V
ClientSampleId :

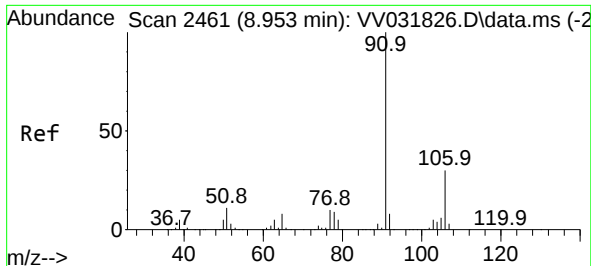
Tgt Ion:107 Resp: 51912
Ion Ratio Lower Upper
107 100
109 96.4 63.6 118.0
188 2.7 3.2 4.8#



#51
Chlorobenzene
Concen: 5.132 ug/L
RT: 8.818 min Scan# 2419
Delta R.T. -0.003 min
Lab File: VV031838.D
Acq: 17 Aug 2023 18:01

Tgt Ion:112 Resp: 183291
Ion Ratio Lower Upper
112 100
114 30.9 20.5 38.1
77 65.8 45.0 67.6

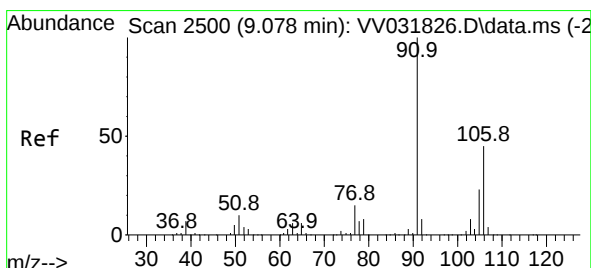
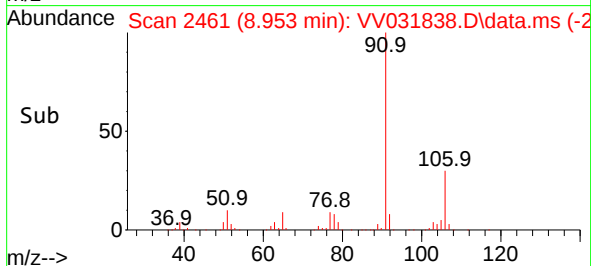
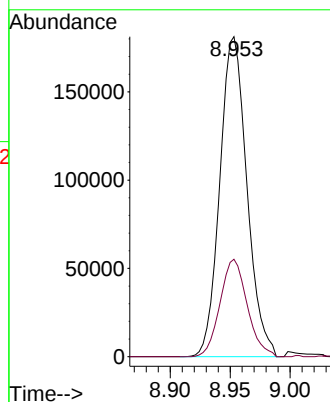
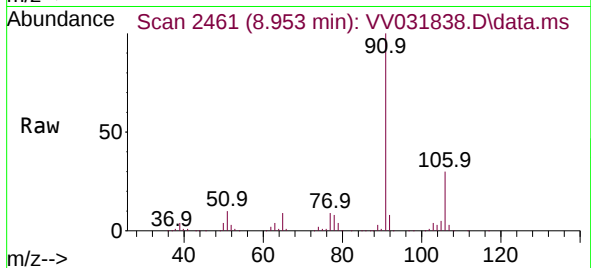




#52
Ethylbenzene
Concen: 5.415 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.000 min
Lab File: VV031838.D
Acq: 17 Aug 2023 18:01

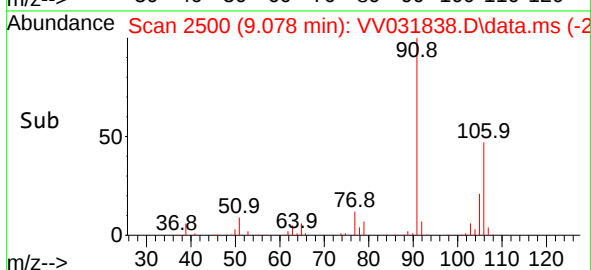
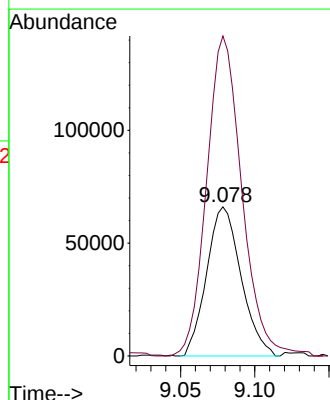
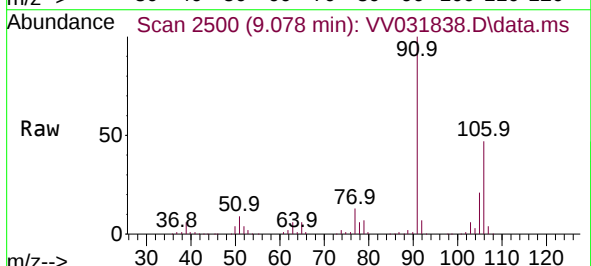
Instrument :
MSVOA_V
ClientSampleId :

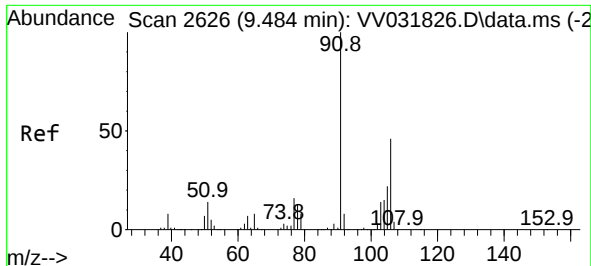
Tgt Ion: 91 Resp: 284684
Ion Ratio Lower Upper
91 100
106 30.4 20.9 38.7



#53
m,p-Xylene
Concen: 5.663 ug/L
RT: 9.078 min Scan# 2500
Delta R.T. 0.000 min
Lab File: VV031838.D
Acq: 17 Aug 2023 18:01

Tgt Ion: 106 Resp: 106544
Ion Ratio Lower Upper
106 100
91 214.6 155.7 289.1

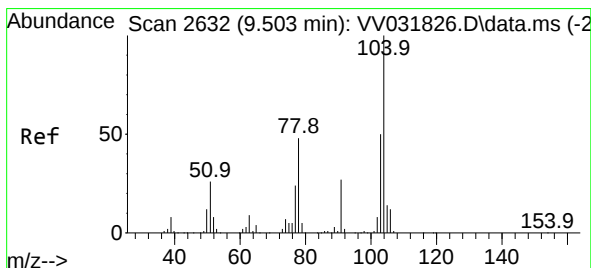
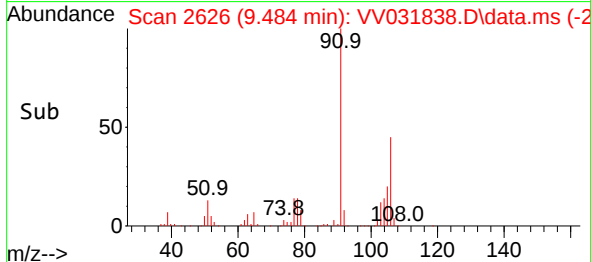
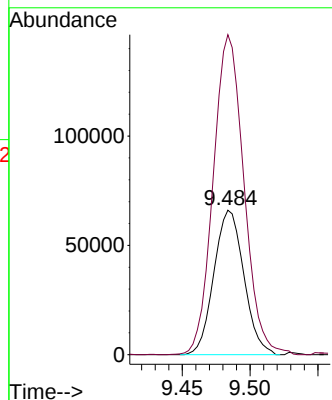
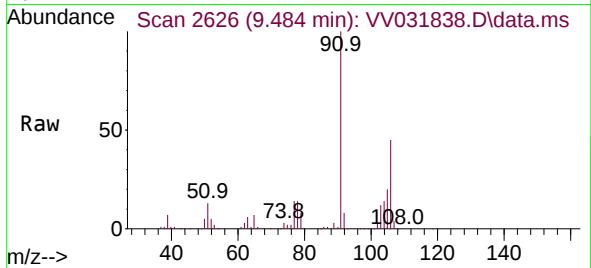




#54
o-Xylene
Concen: 5.672 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VV031838.D
Acq: 17 Aug 2023 18:01

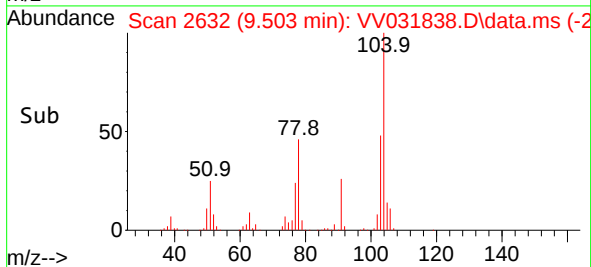
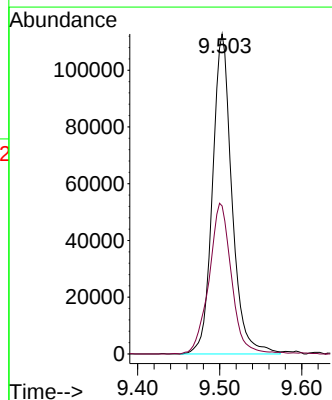
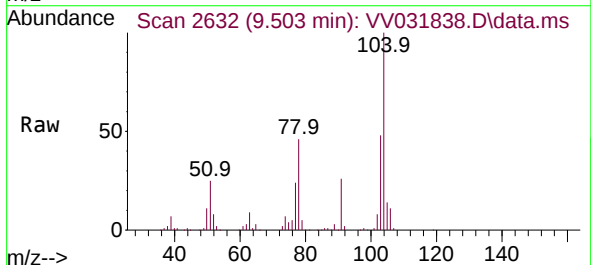
Instrument :
MSVOA_V
ClientSampleId :

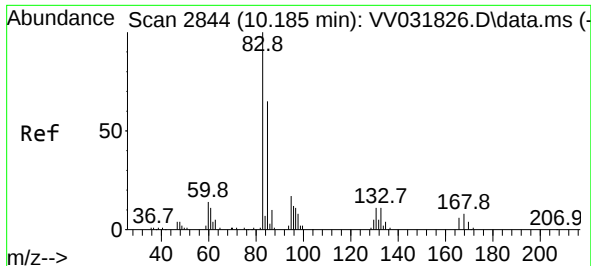
Tgt Ion:106 Resp: 101577
Ion Ratio Lower Upper
106 100
91 221.5 154.0 286.0



#55
Styrene
Concen: 5.693 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.000 min
Lab File: VV031838.D
Acq: 17 Aug 2023 18:01

Tgt Ion:104 Resp: 185990
Ion Ratio Lower Upper
104 100
78 46.3 33.9 63.0





#57

1,1,2-Tetrachloroethane

Concen: 4.817 ug/L

RT: 10.185 min Scan# 2844

Delta R.T. 0.000 min

Lab File: VV031838.D

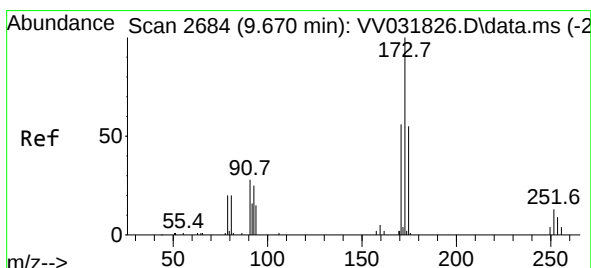
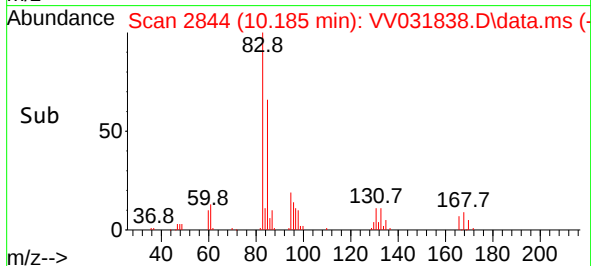
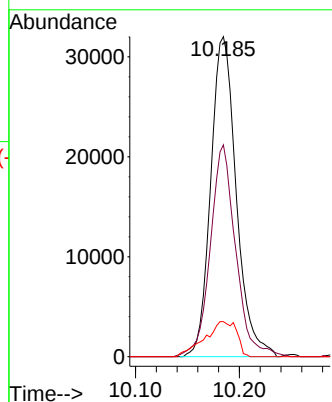
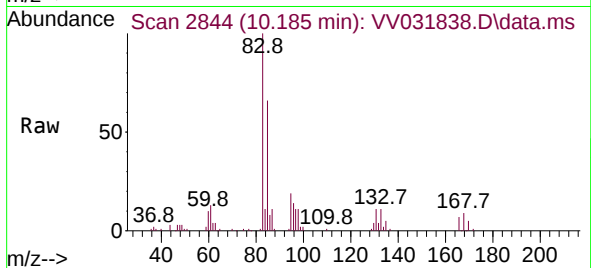
Acq: 17 Aug 2023 18:01

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	83	Resp:	54712
Ion Ratio	Lower	Upper	
83	100		
85	66.2	45.4	84.4
131	10.9	8.7	13.1



#59

Bromoform

Concen: 4.491 ug/L

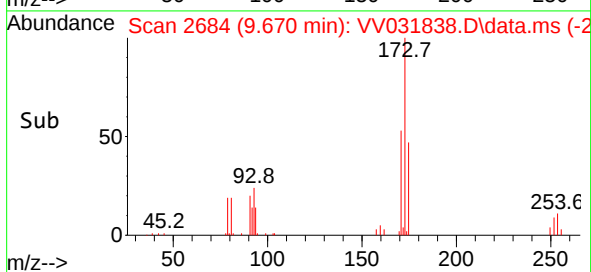
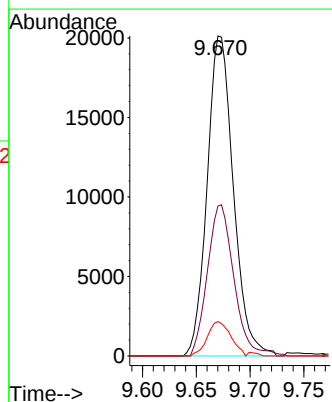
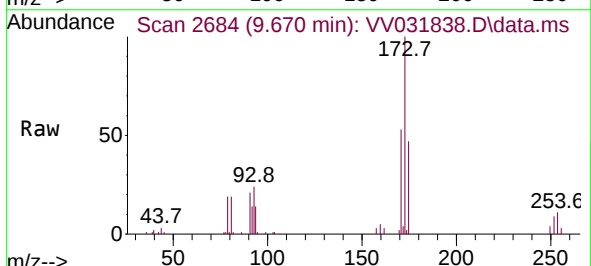
RT: 9.670 min Scan# 2684

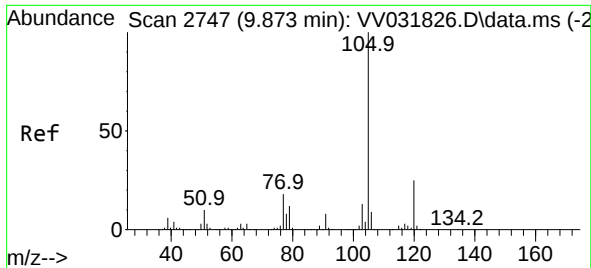
Delta R.T. 0.000 min

Lab File: VV031838.D

Acq: 17 Aug 2023 18:01

Tgt Ion:	173	Resp:	34165
Ion Ratio	Lower	Upper	
173	100		
175	47.7	40.4	60.6
254	9.6	7.6	11.4

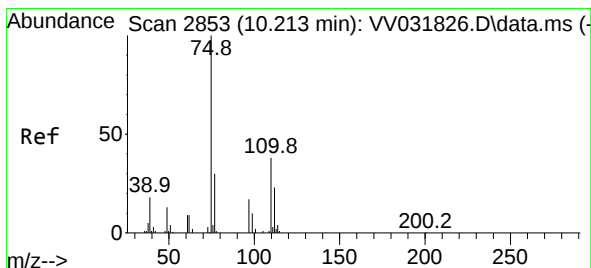
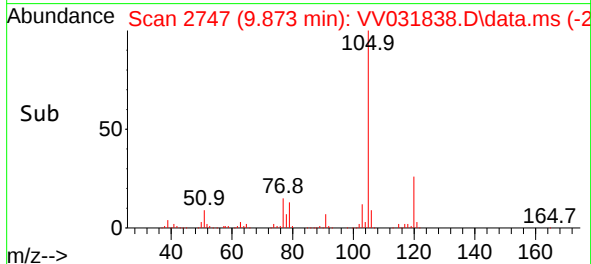
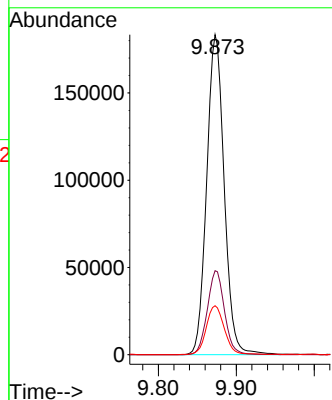
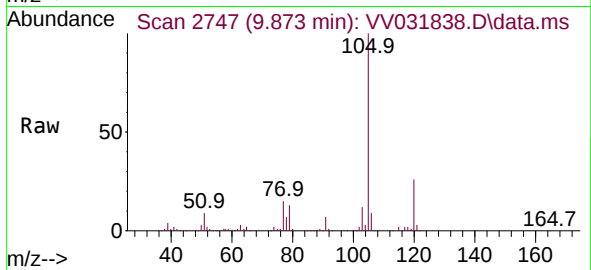




#60
Isopropylbenzene
Concen: 5.459 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031838.D
Acq: 17 Aug 2023 18:01

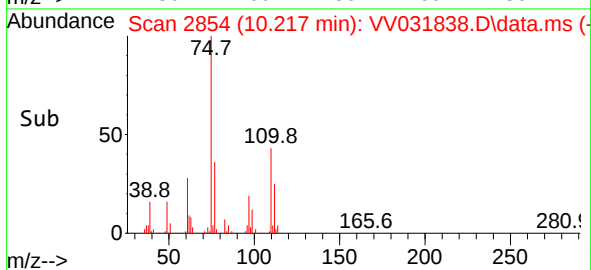
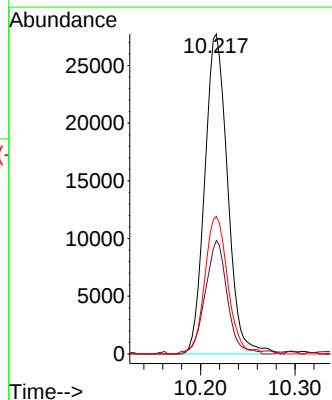
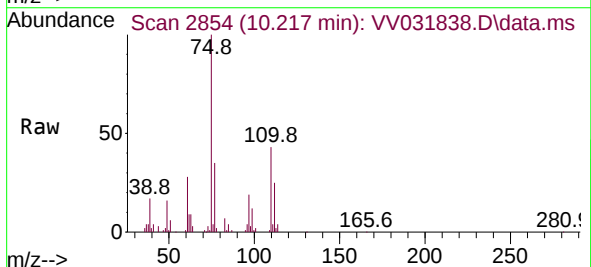
Instrument :
MSVOA_V
ClientSampleId :

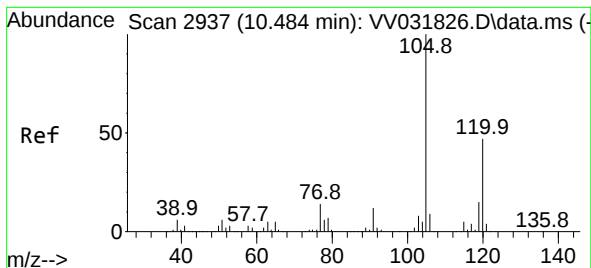
Tgt Ion:105 Resp: 286137
Ion Ratio Lower Upper
105 100
120 25.8 20.6 30.8
77 15.9 14.2 21.2



#61
1,2,3-Trichloropropane
Concen: 4.356 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.003 min
Lab File: VV031838.D
Acq: 17 Aug 2023 18:01

Tgt Ion: 75 Resp: 46654
Ion Ratio Lower Upper
75 100
77 34.1 26.6 40.0
110 42.7 32.0 48.0

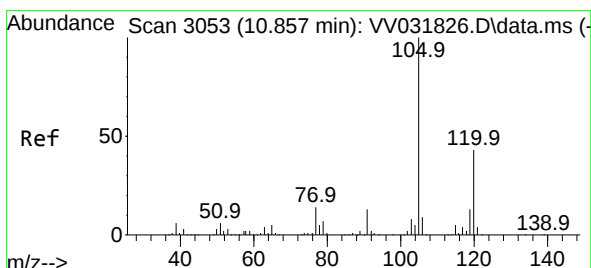
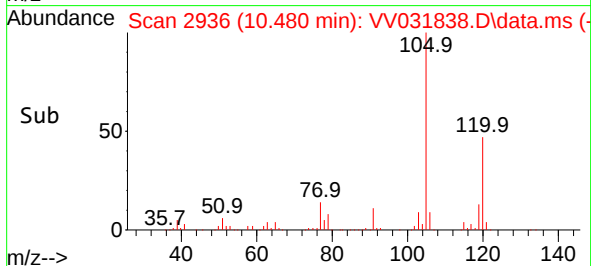
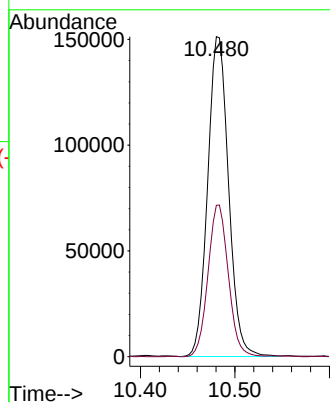
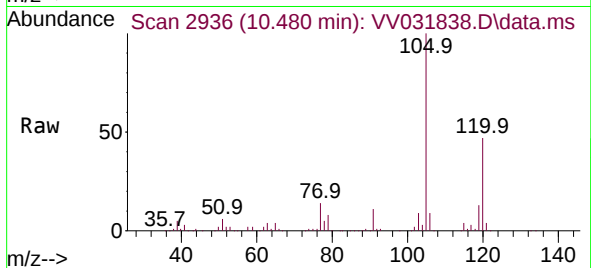




#62
 1,3,5-Trimethylbenzene
 Concen: 5.453 ug/L
 RT: 10.480 min Scan# 2937
 Delta R.T. -0.003 min
 Lab File: VV031838.D
 Acq: 17 Aug 2023 18:01

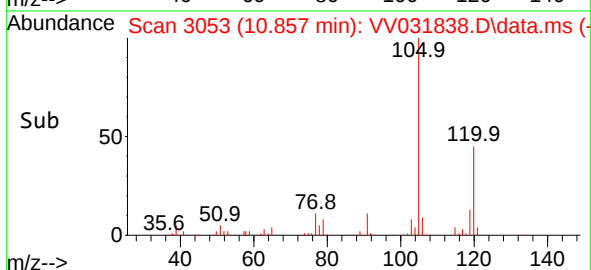
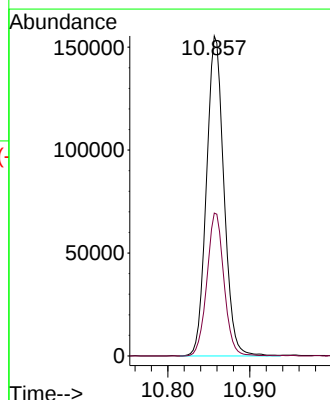
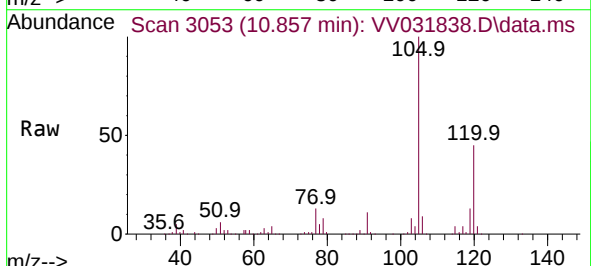
Instrument :
 MSVOA_V
 ClientSampleId :

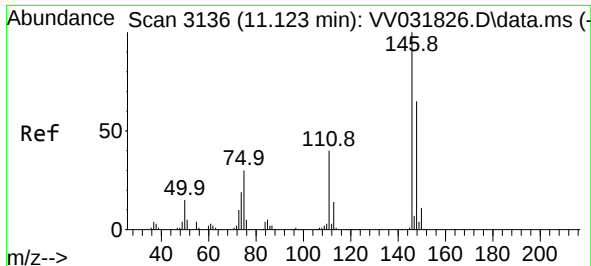
Tgt Ion:105 Resp: 232135
 Ion Ratio Lower Upper
 105 100
 120 46.3 37.5 56.3



#63
 1,2,4-Trimethylbenzene
 Concen: 5.379 ug/L
 RT: 10.857 min Scan# 3053
 Delta R.T. 0.000 min
 Lab File: VV031838.D
 Acq: 17 Aug 2023 18:01

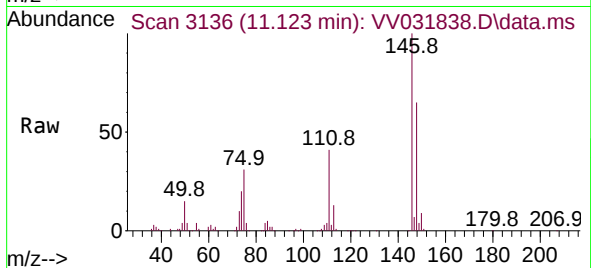
Tgt Ion:105 Resp: 229445
 Ion Ratio Lower Upper
 105 100
 120 43.7 34.5 51.7



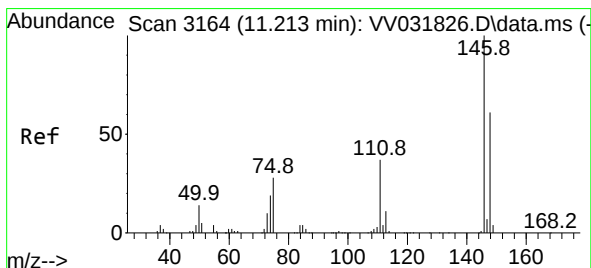
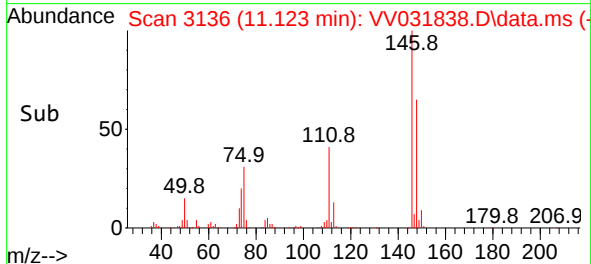
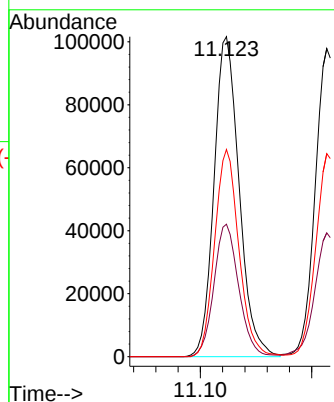


#64
1,3-Dichlorobenzene
Concen: 5.227 ug/L
RT: 11.123 min Scan# 3136
Delta R.T. 0.000 min
Lab File: VV031838.D
Acq: 17 Aug 2023 18:01

Instrument :
MSVOA_V
ClientSampleId :

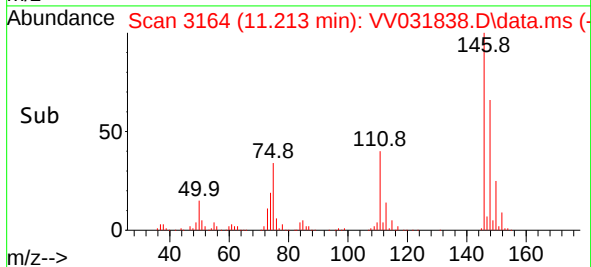
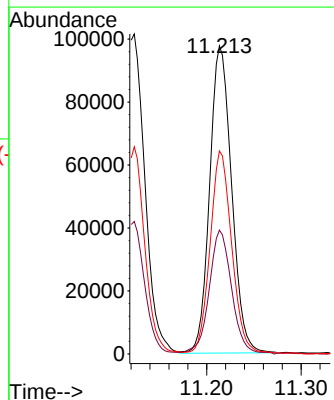
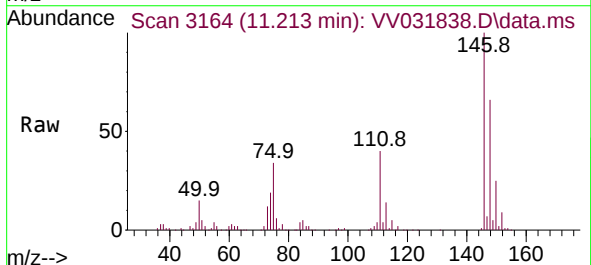


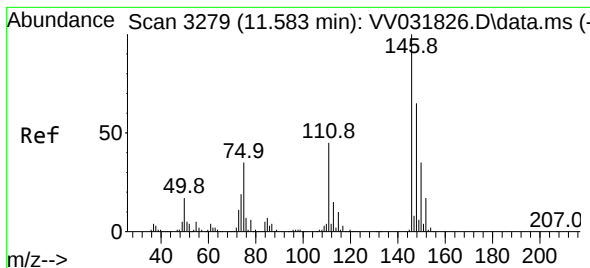
Tgt Ion:146 Resp: 159023
Ion Ratio Lower Upper
146 100
111 41.4 28.2 52.4
148 64.7 45.6 84.6



#65
1,4-Dichlorobenzene
Concen: 5.107 ug/L
RT: 11.213 min Scan# 3164
Delta R.T. 0.000 min
Lab File: VV031838.D
Acq: 17 Aug 2023 18:01

Tgt Ion:146 Resp: 157323
Ion Ratio Lower Upper
146 100
111 40.2 26.2 48.8
148 65.9 43.0 80.0





#67

1,2-Dichlorobenzene

Concen: 5.040 ug/L

RT: 11.586 min Scan# 31

Delta R.T. 0.003 min

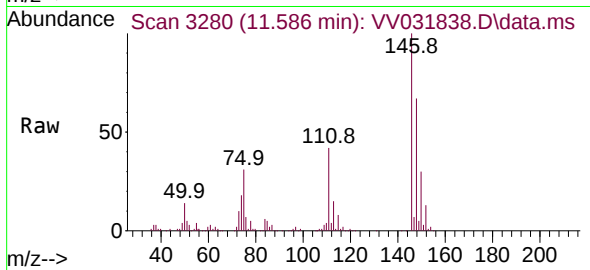
Lab File: VV031838.D

Acq: 17 Aug 2023 18:01

Instrument :

MSVOA_V

ClientSampleId :



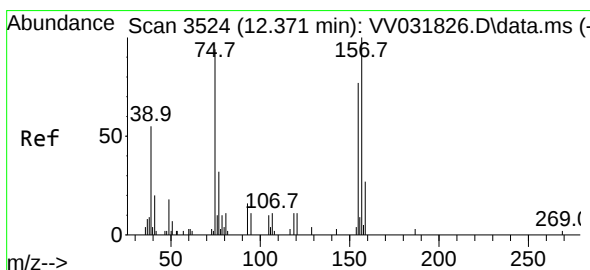
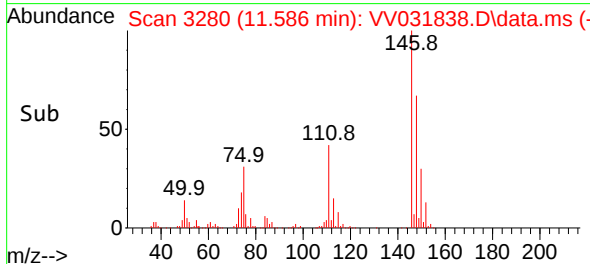
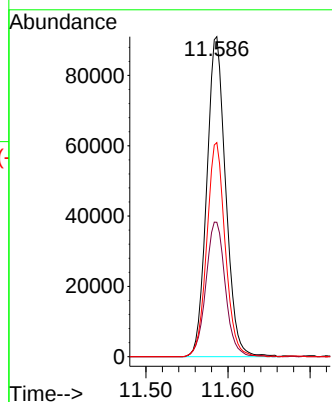
Tgt Ion:146 Resp: 146038

Ion Ratio Lower Upper

146 100

111 42.0 36.1 54.1

148 66.9 52.1 78.1



#68

1,2-Dibromo-3-chloropropane

Concen: 4.995 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. 0.000 min

Lab File: VV031838.D

Acq: 17 Aug 2023 18:01

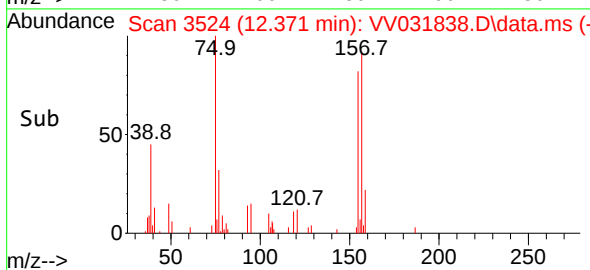
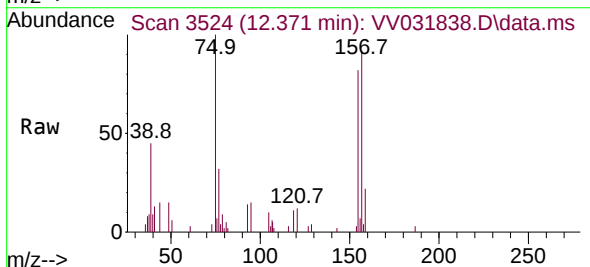
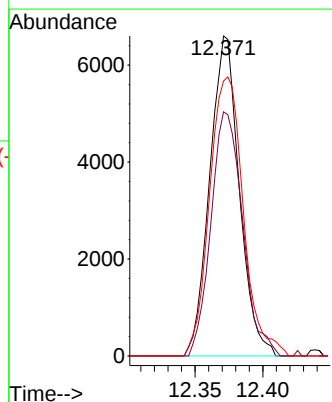
Tgt Ion: 75 Resp: 10020

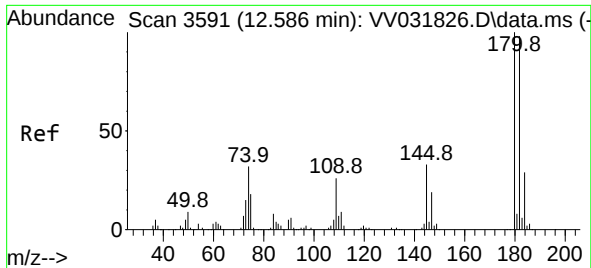
Ion Ratio Lower Upper

75 100

155 76.3 63.8 95.6

157 85.9 82.6 124.0

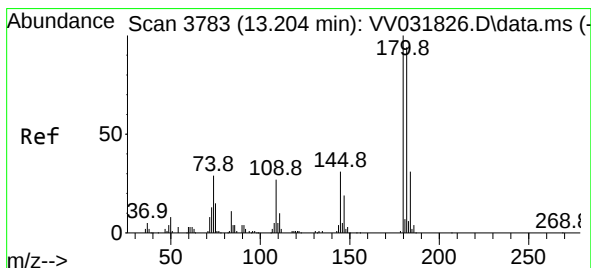
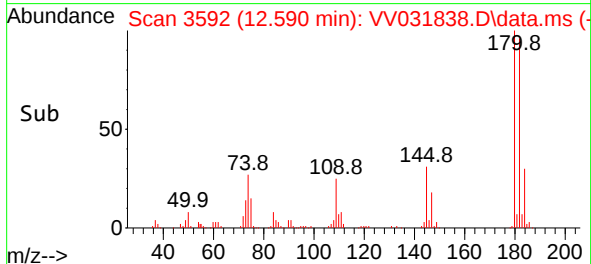
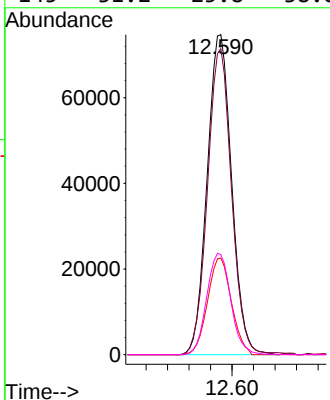
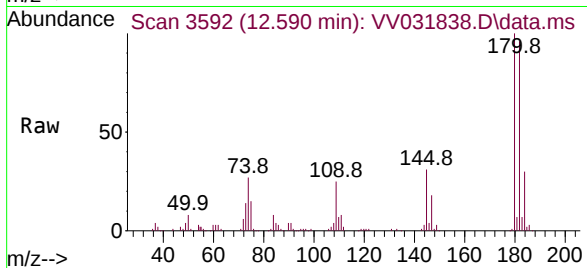




#69
 1,3,5-Trichlorobenzene
 Concen: 5.428 ug/L
 RT: 12.590 min Scan# 3591
 Delta R.T. 0.003 min
 Lab File: VV031838.D
 Acq: 17 Aug 2023 18:01

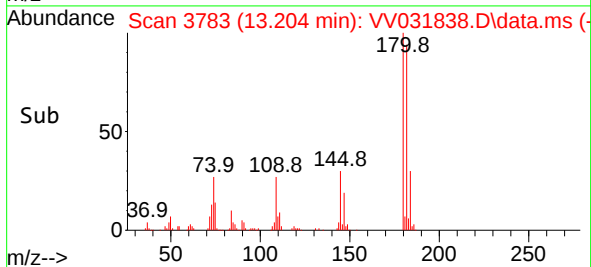
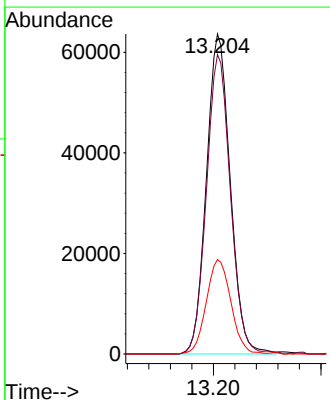
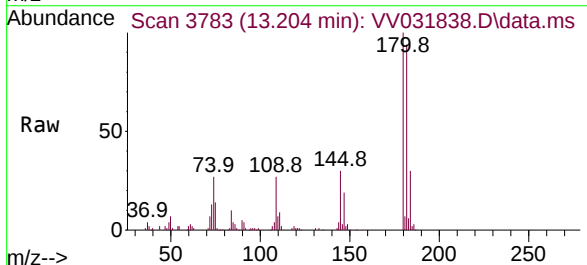
Instrument :
 MSVOA_V
 ClientSampleId :

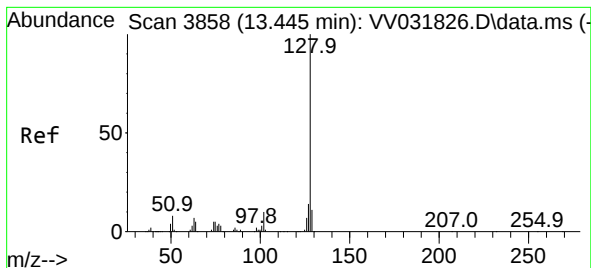
Tgt Ion:180	Resp:	118080
Ion Ratio	Lower	Upper
180	100	
182	94.3	76.3 114.5
184	29.5	23.7 35.5
145	31.2	25.8 38.8



#70
 1,2,4-trichlorobenzene
 Concen: 5.342 ug/L
 RT: 13.204 min Scan# 3783
 Delta R.T. 0.000 min
 Lab File: VV031838.D
 Acq: 17 Aug 2023 18:01

Tgt Ion:180	Resp:	97781
Ion Ratio	Lower	Upper
180	100	
182	94.3	75.2 112.8
145	30.4	25.0 37.4





#71

Naphthalene

Concen: 5.143 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. 0.000 min

Lab File: VV031838.D

Acq: 17 Aug 2023 18:01

Instrument :

MSVOA_V

ClientSampleId :

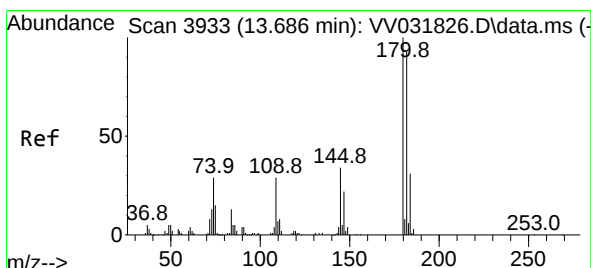
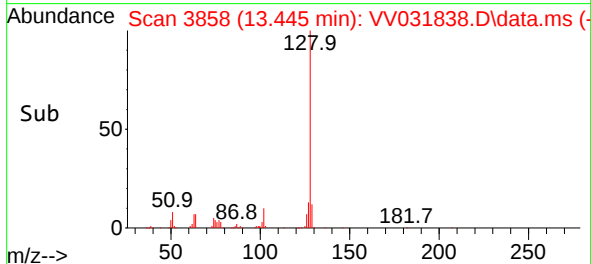
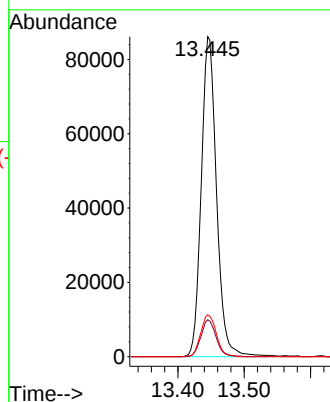
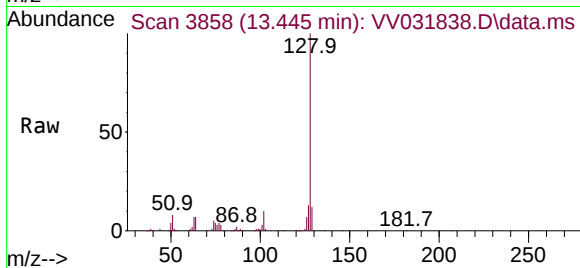
Tgt Ion:128 Resp: 137723

Ion Ratio Lower Upper

128 100

129 11.5 8.6 12.8

127 13.4 11.0 16.4



#72

1,2,3-Trichlorobenzene

Concen: 5.308 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. 0.000 min

Lab File: VV031838.D

Acq: 17 Aug 2023 18:01

Tgt Ion:180 Resp: 87827

Ion Ratio Lower Upper

180 100

182 94.3 75.9 113.9

145 33.9 27.6 41.4

