

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111522\
 Data File : VU051860.D
 Acq On : 15 Nov 2022 14:37
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV054

Quant Time: Nov 16 01:09:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 16 01:02:23 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	551587	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	542392	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	280601	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	131696	48.634	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.260%
7) Chloroethane-d5	1.900	69	131057	48.305	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.620%
11) 1,1-Dichloroethene-d2	2.565	63	237817	48.974	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.940%
21) 2-Butanone-d5	4.616	46	299797	97.362	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.360%
24) Chloroform-d	5.060	84	321547	47.369	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.740%
26) 1,2-Dichloroethane-d4	5.697	65	193141	46.480	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.960%
32) Benzene-d6	5.726	84	573612	50.721	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.440%
36) 1,2-Dichloropropane-d6	6.687	67	207091	49.195	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.400%
41) Toluene-d8	7.896	98	486652	52.426	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.860%
43) trans-1,3-Dichloroprop...	8.176	79	83811	49.985	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.980%
47) 2-Hexanone-d5	8.629	63	229798	107.412	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.410%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	395867	48.318	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.640%
66) 1,2-Dichlorobenzene-d4	12.189	152	239621	48.525	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.060%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	167758	49.538	ug/L	99
3) Chloromethane	1.523	50	210240	46.749	ug/L	99
5) Vinyl chloride	1.604	62	226369	48.528	ug/L	99
6) Bromomethane	1.835	94	111318	55.082	ug/L	99
8) Chloroethane	1.922	64	143814	47.420	ug/L	99
9) Trichlorofluoromethane	2.131	101	274885	49.220	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	175164	49.767	ug/L	99
12) 1,1-Dichloroethene	2.575	96	161997	49.282	ug/L	97
13) Acetone	2.620	43	254507	77.255	ug/L	98
14) Carbon disulfide	2.790	76	450467	49.464	ug/L	100
15) Methyl Acetate	2.945	43	213843	47.613	ug/L	100
16) Methylene chloride	3.044	84	224055	42.697	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	175900	49.655	ug/L	97
18) Methyl tert-butyl Ether	3.359	73	548180	49.998	ug/L	100
19) 1,1-Dichloroethane	3.867	63	345431	47.911	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	203333	49.183	ug/L	99
22) 2-Butanone	4.697	43	340653	91.559	ug/L	100
23) Bromochloromethane	4.973	128	109244	47.884	ug/L	96
25) Chloroform	5.086	83	358481	47.652	ug/L	99

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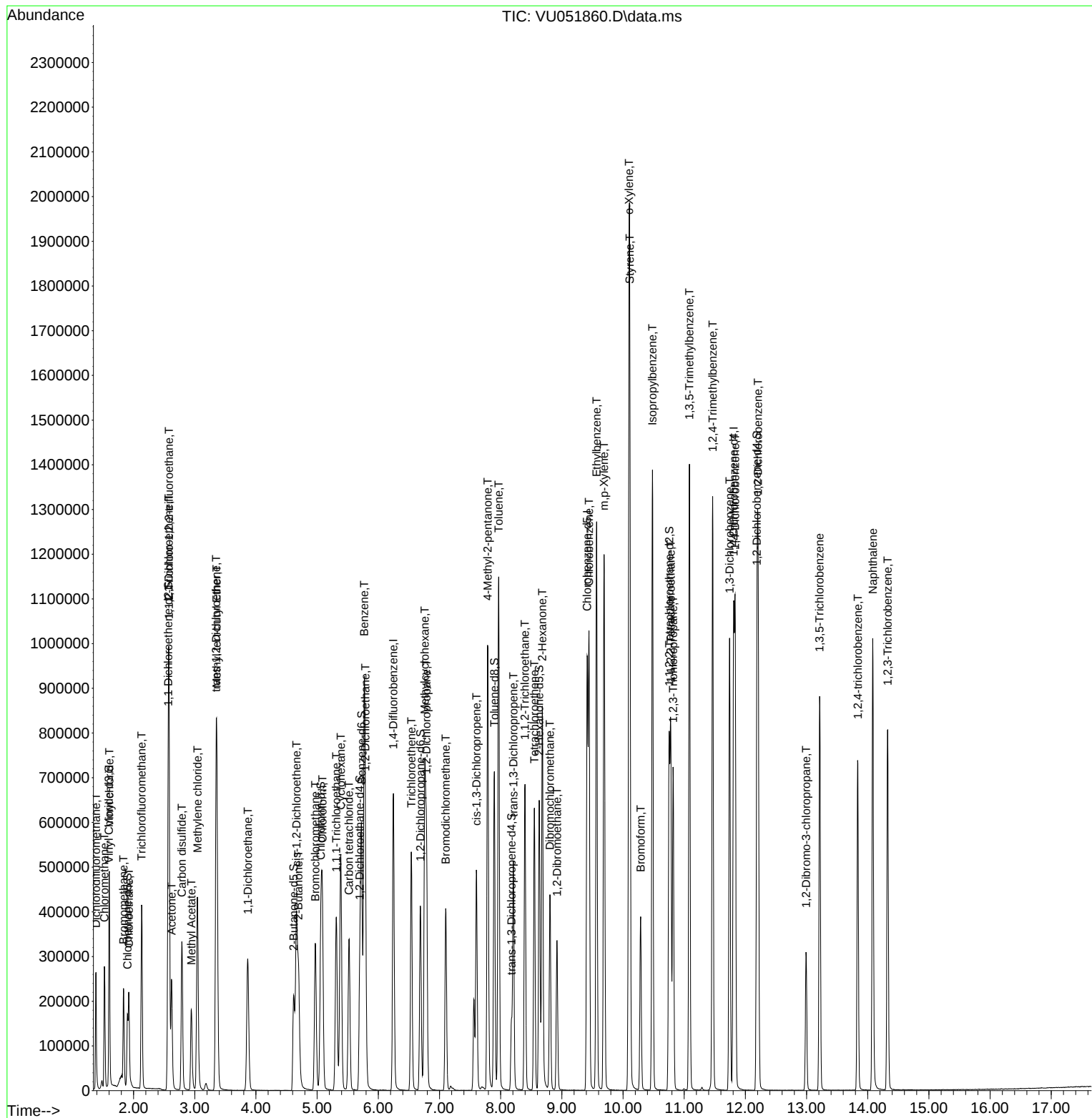
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	272713	49.057	ug/L	100
29) Cyclohexane	5.385	56	263537	56.949	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	282023	51.429	ug/L	99
31) Carbon tetrachloride	5.520	117	233531	50.940	ug/L	99
33) Benzene	5.771	78	812797	52.096	ug/L	100
34) Trichloroethene	6.539	95	186683	50.506	ug/L	98
35) Methylcyclohexane	6.761	83	287077	57.279	ug/L	99
37) 1,2-Dichloropropane	6.787	63	221142	50.056	ug/L	100
38) Bromodichloromethane	7.102	83	272471	49.296	ug/L	98
39) cis-1,3-Dichloropropene	7.603	75	304943	52.767	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	619030	106.403	ug/L	99
42) Toluene	7.967	91	872478	54.369	ug/L	100
44) trans-1,3-Dichloropropene	8.208	75	287549	51.926	ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	221939	49.435	ug/L	99
46) Tetrachloroethene	8.552	164	143324	48.553	ug/L	99
48) 2-Hexanone	8.681	43	521563	104.384	ug/L	98
49) Dibromochloromethane	8.806	129	227729	49.196	ug/L	98
50) 1,2-Dibromoethane	8.922	107	224891	49.760	ug/L	99
51) Chlorobenzene	9.443	112	550588	50.211	ug/L	100
52) Ethylbenzene	9.568	91	889504	54.162	ug/L	100
53) m,p-Xylene	9.690	106	356092	56.015	ug/L	99
54) o-Xylene	10.099	106	356891	55.160	ug/L	100
55) Styrene	10.111	104	616315	55.205	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	415813	49.014	ug/L	99
59) Bromoform	10.288	173	176836	46.481	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	312622	46.575	ug/L	99
61) Isopropylbenzene	10.481	105	895139	54.582	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	744138	55.685	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	728890	55.827	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	424157	51.030	ug/L	100
65) 1,4-Dichlorobenzene	11.832	146	421895	50.122	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	434263	49.132	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	81177	47.236	ug/L	97
69) 1,3,5-Trichlorobenzene	13.214	180	280892	50.937	ug/L	100
70) 1,2,4-trichlorobenzene	13.838	180	228864	52.360	ug/L	100
71) Naphthalene	14.082	128	820524	57.078	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	257141	53.749	ug/L	100

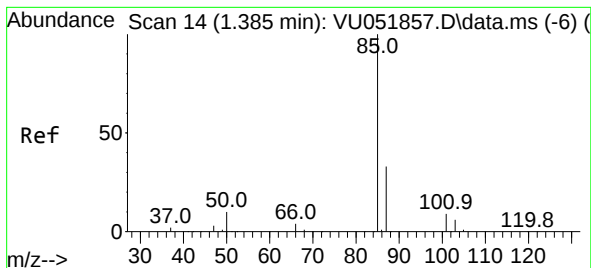
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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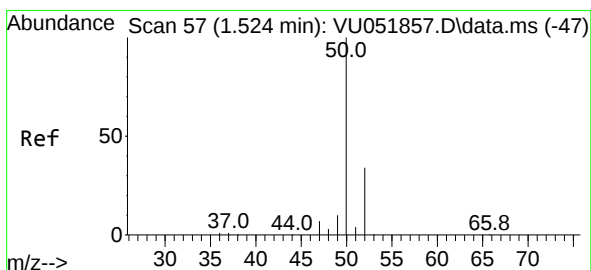
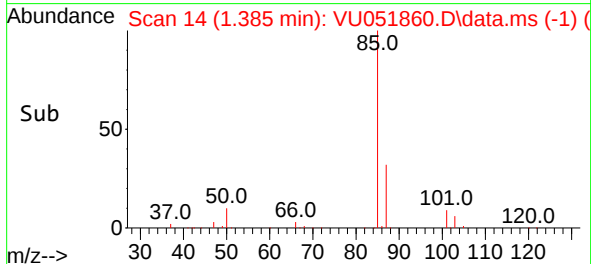
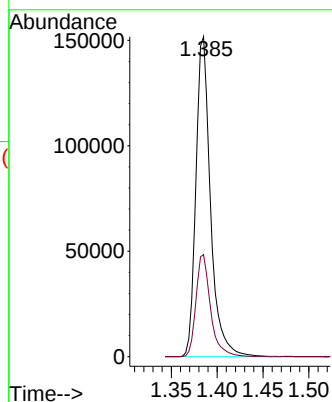
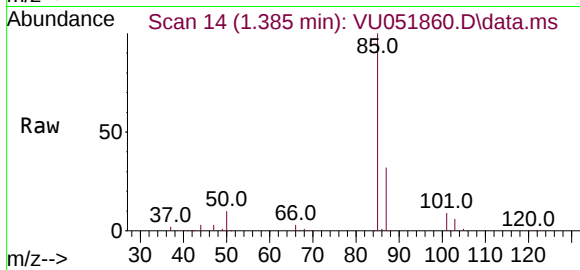




#2
Dichlorodifluoromethane
Concen: 49.538 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU051860.D
Acq: 15 Nov 2022 14:37

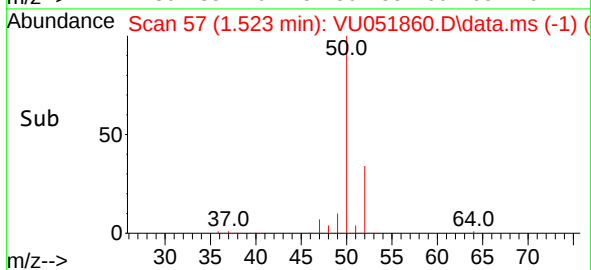
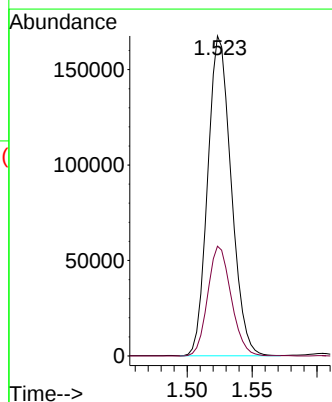
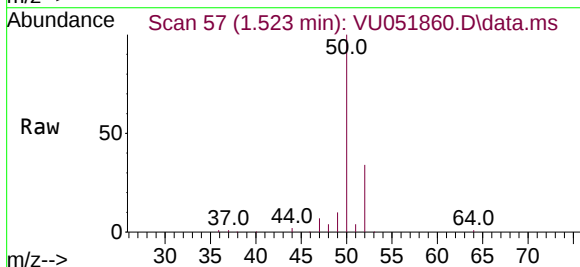
Instrument :
MSVOA_U
ClientSampleId :
VICV054

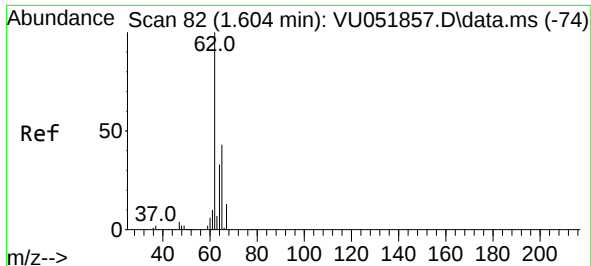
Tgt Ion: 85 Resp: 167758
Ion Ratio Lower Upper
85 100
87 31.8 26.0 39.0



#3
Chloromethane
Concen: 46.749 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU051860.D
Acq: 15 Nov 2022 14:37

Tgt Ion: 50 Resp: 210240
Ion Ratio Lower Upper
50 100
52 34.3 23.4 43.6

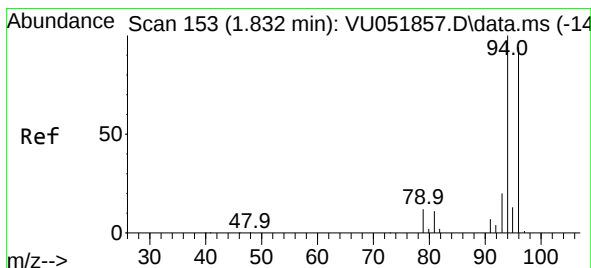
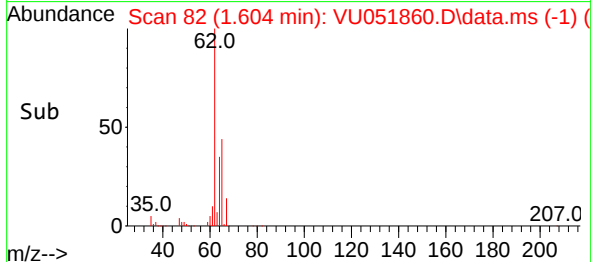
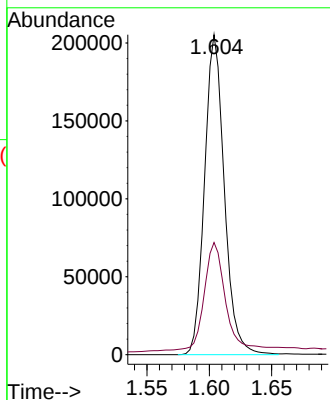
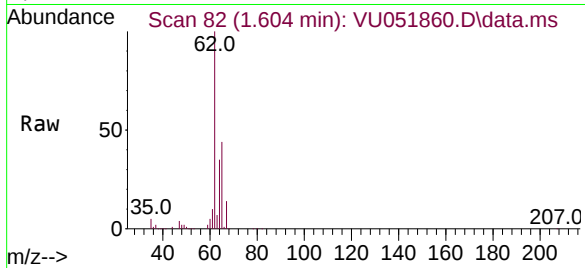




#5
 Vinyl chloride
 Concen: 48.528 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU051860.D
 Acq: 15 Nov 2022 14:37

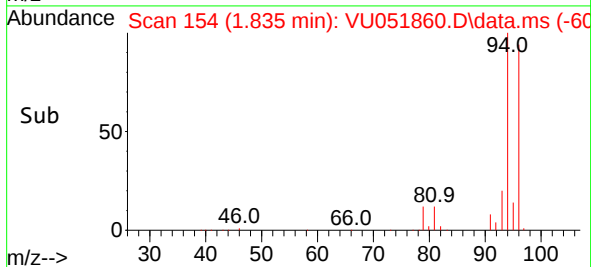
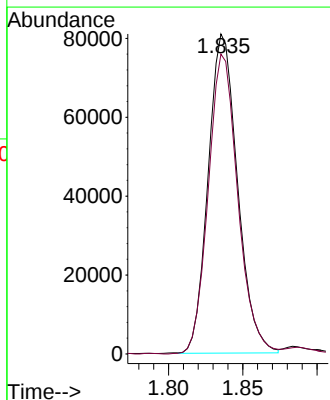
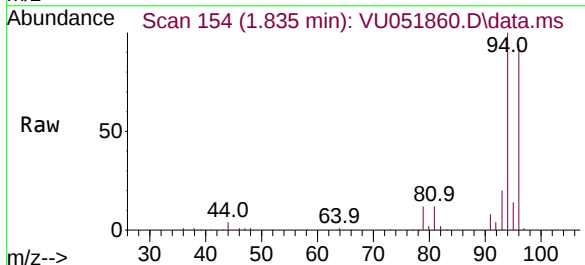
Instrument :
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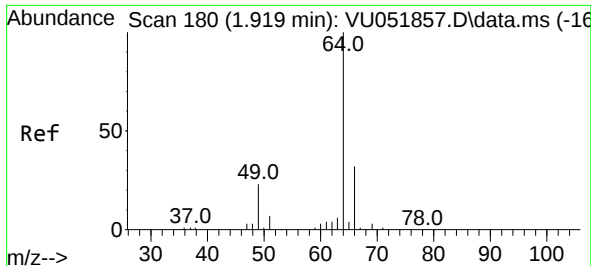
Tgt Ion: 62 Resp: 226369
 Ion Ratio Lower Upper
 62 100
 64 35.0 24.3 45.1



#6
 Bromomethane
 Concen: 55.082 ug/L
 RT: 1.835 min Scan# 154
 Delta R.T. 0.003 min
 Lab File: VU051860.D
 Acq: 15 Nov 2022 14:37

Tgt Ion: 94 Resp: 111318
 Ion Ratio Lower Upper
 94 100
 96 93.7 66.1 122.7

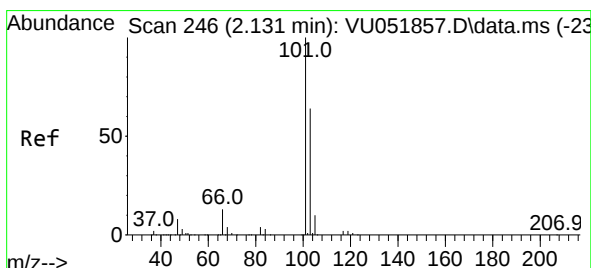
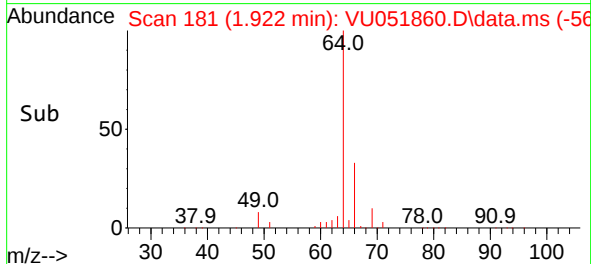
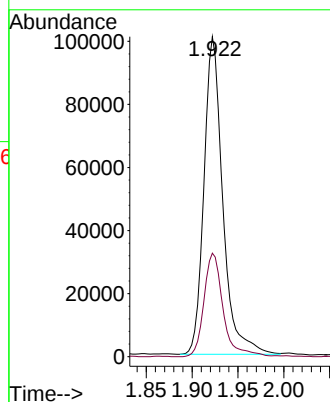
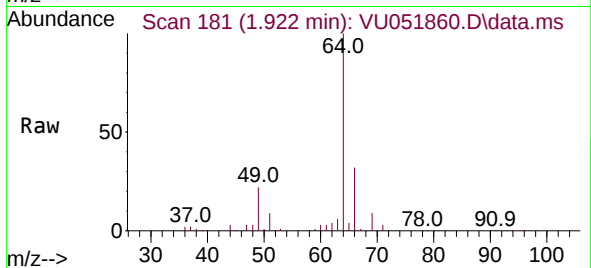




#8
Chloroethane
Concen: 47.420 ug/L
RT: 1.922 min Scan# 181
Delta R.T. 0.003 min
Lab File: VU051860.D
Acq: 15 Nov 2022 14:37

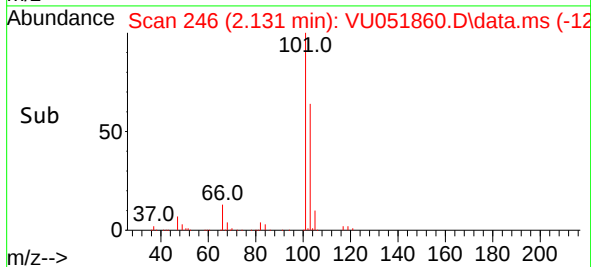
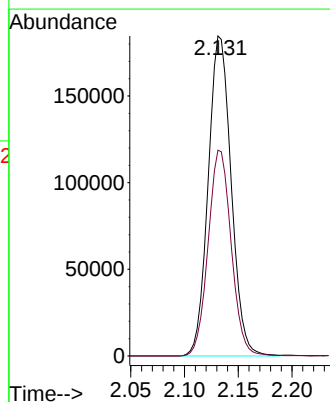
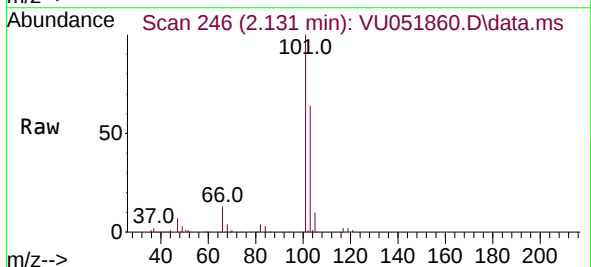
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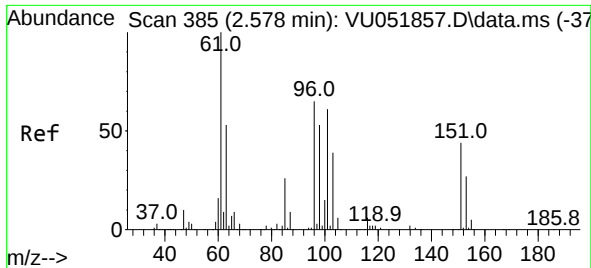
Tgt Ion: 64 Resp: 143814
Ion Ratio Lower Upper
64 100
66 32.3 22.4 41.6



#9
Trichlorofluoromethane
Concen: 49.220 ug/L
RT: 2.131 min Scan# 246
Delta R.T. -0.000 min
Lab File: VU051860.D
Acq: 15 Nov 2022 14:37

Tgt Ion:101 Resp: 274885
Ion Ratio Lower Upper
101 100
103 64.5 51.4 77.2

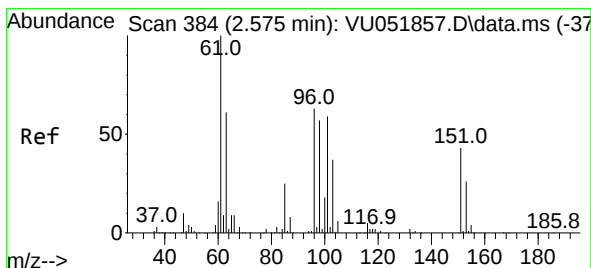
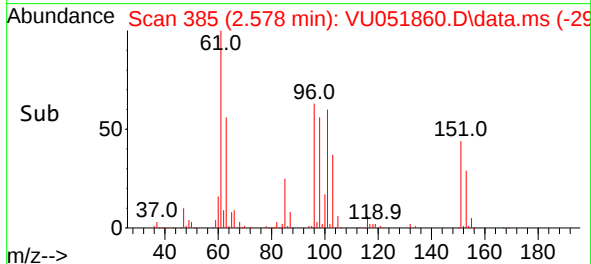
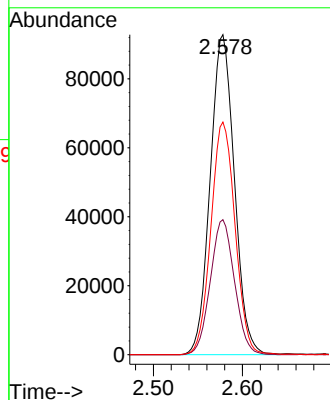
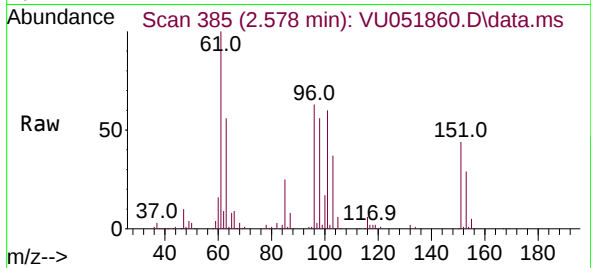




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 49.767 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.000 min
Lab File: VU051860.D
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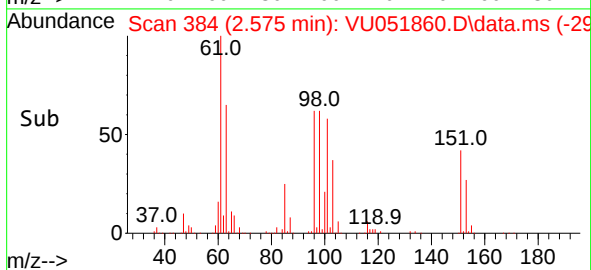
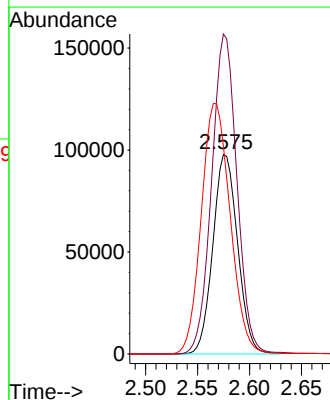
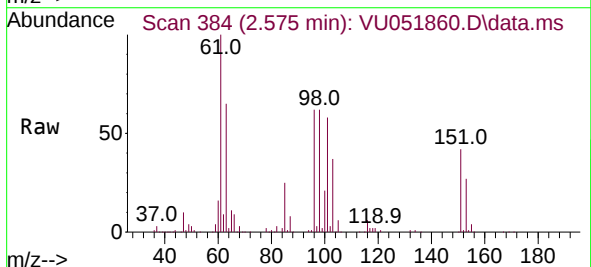
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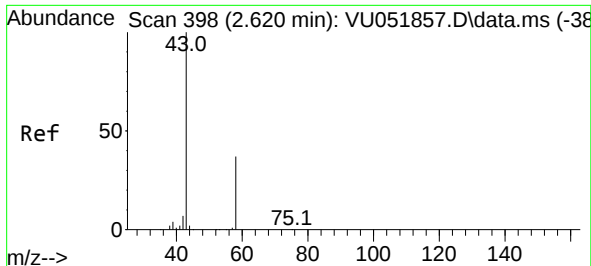
Tgt Ion:101 Resp: 175164
Ion Ratio Lower Upper
101 100
85 42.1 34.2 51.2
151 72.6 58.3 87.5



#12
1,1-Dichloroethene
Concen: 49.282 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.000 min
Lab File: VU051860.D
Acq: 15 Nov 2022 14:37

Tgt Ion: 96 Resp: 161997
Ion Ratio Lower Upper
96 100
61 160.4 110.7 205.5
63 104.2 68.6 127.4





#13

Acetone

Concen: 77.255 ug/L

RT: 2.620 min Scan# 398

Delta R.T. -0.000 min

Lab File: VU051860.D

Acq: 15 Nov 2022 14:37

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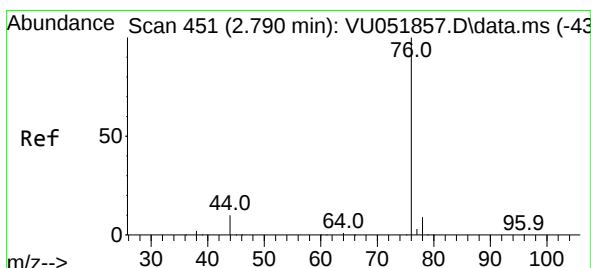
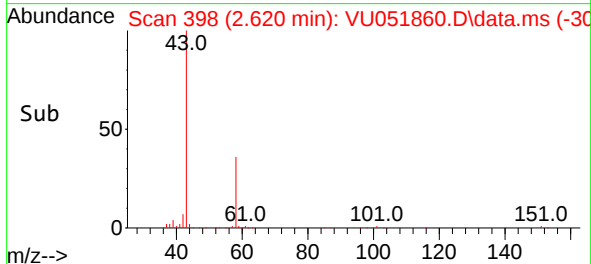
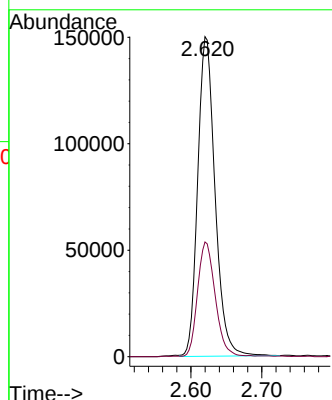
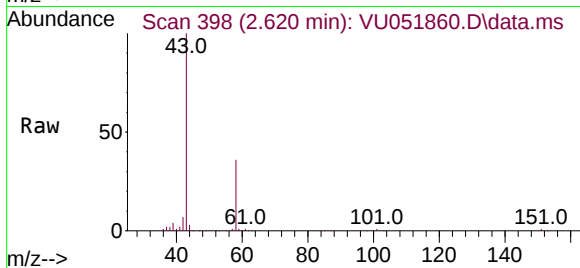
VICV054

Tgt Ion: 43 Resp: 254507

Ion Ratio Lower Upper

43 100

58 36.3 0.0 75.4



#14

Carbon disulfide

Concen: 49.464 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU051860.D

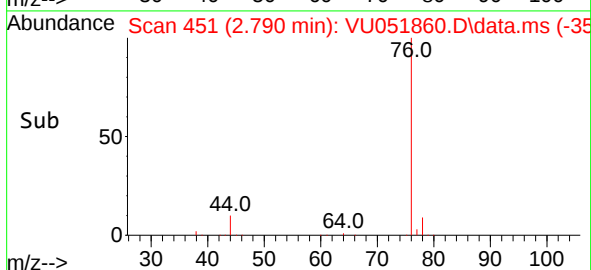
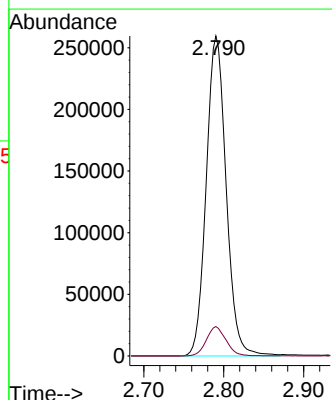
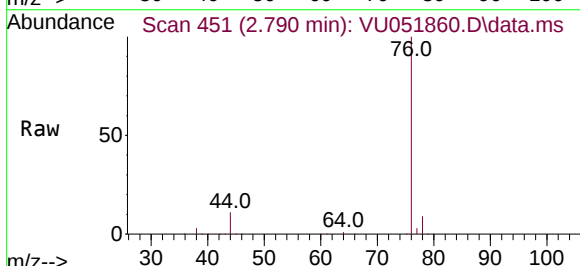
Acq: 15 Nov 2022 14:37

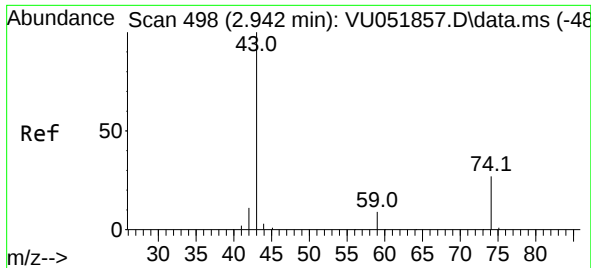
Tgt Ion: 76 Resp: 450467

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

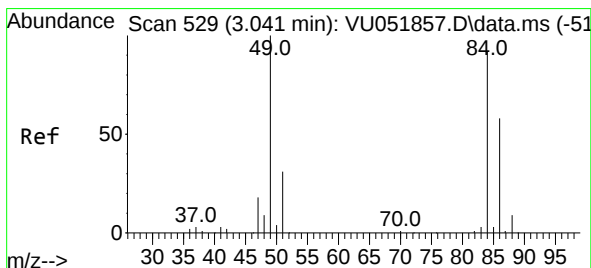
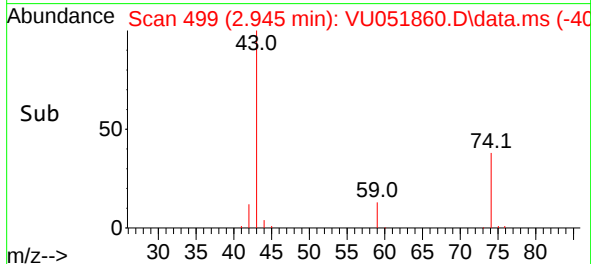
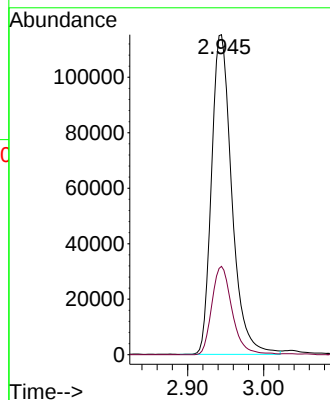
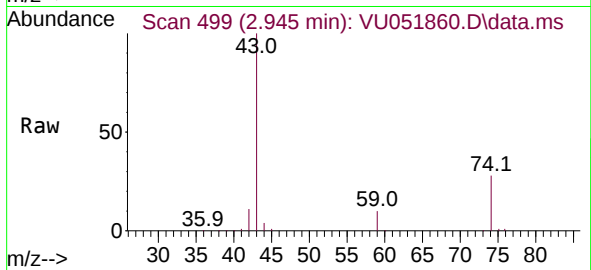




#15
Methyl Acetate
Concen: 47.613 ug/L
RT: 2.945 min Scan# 498
Delta R.T. 0.003 min
Lab File: VU051860.D
Acq: 15 Nov 2022 14:37

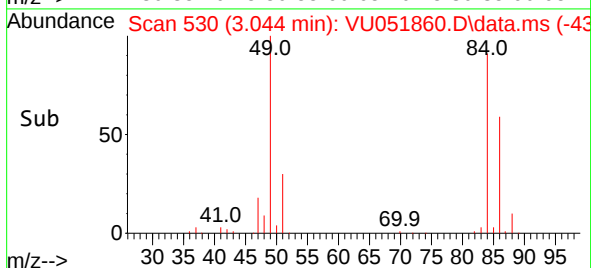
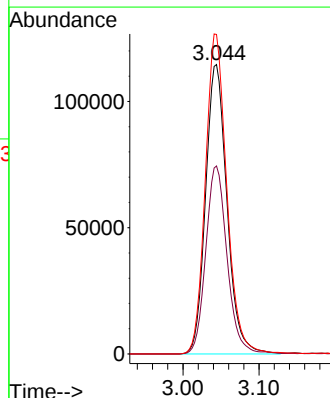
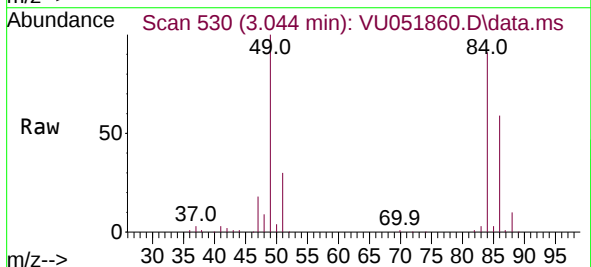
Instrument :
MSVOA_U
ClientSampleId :
VICV054

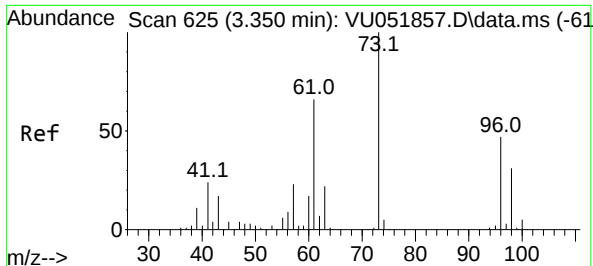
Tgt Ion: 43 Resp: 213843
Ion Ratio Lower Upper
43 100
74 27.4 21.8 32.8



#16
Methylene chloride
Concen: 42.697 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.003 min
Lab File: VU051860.D
Acq: 15 Nov 2022 14:37

Tgt Ion: 84 Resp: 224055
Ion Ratio Lower Upper
84 100
86 64.9 44.7 82.9
49 110.4 76.5 142.1





#17

trans-1,2-Dichloroethene

Concen: 49.655 ug/L

RT: 3.350 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU051860.D

Acq: 15 Nov 2022 14:37

Instrument :

MSVOA_U

ClientSampleId :

VICV054

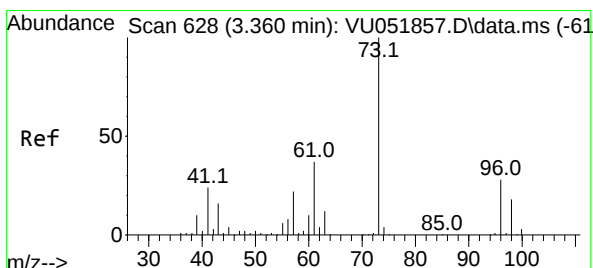
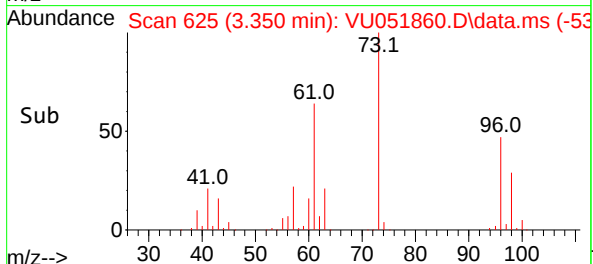
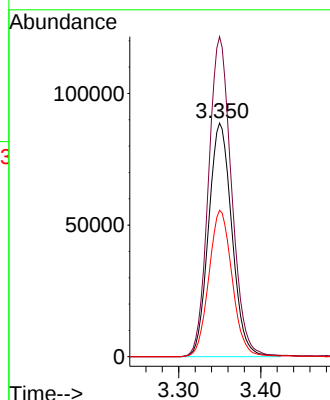
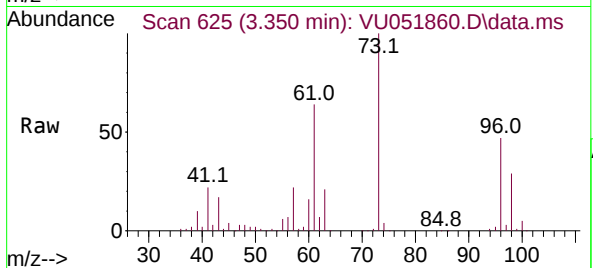
Tgt Ion: 96 Resp: 175900

Ion Ratio Lower Upper

96 100

61 137.0 98.3 182.7

98 62.7 45.5 84.5



#18

Methyl tert-butyl Ether

Concen: 49.998 ug/L

RT: 3.359 min Scan# 628

Delta R.T. -0.000 min

Lab File: VU051860.D

Acq: 15 Nov 2022 14:37

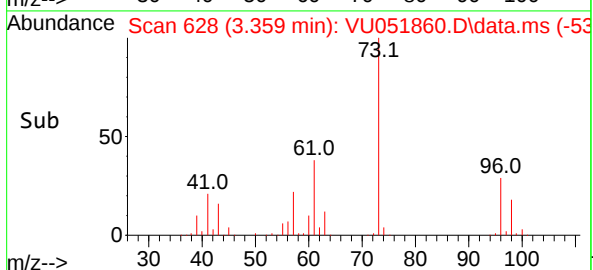
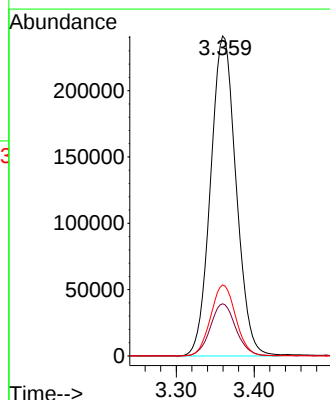
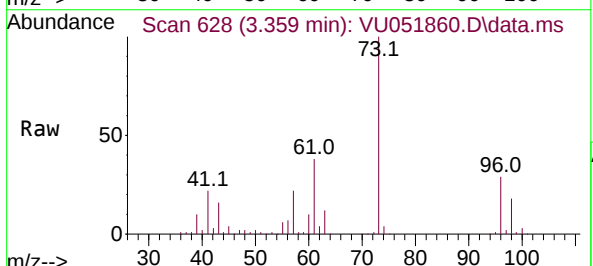
Tgt Ion: 73 Resp: 548180

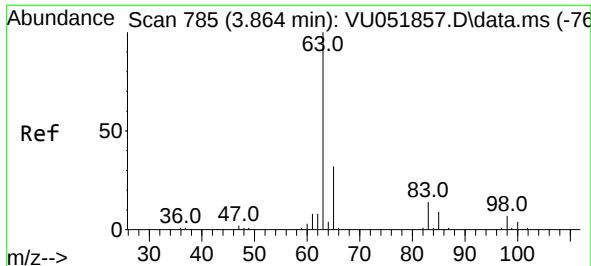
Ion Ratio Lower Upper

73 100

43 16.4 13.4 20.0

57 22.0 17.7 26.5





#19

1,1-Dichloroethane

Concen: 47.911 ug/L

RT: 3.867 min Scan# 785

Delta R.T. 0.003 min

Lab File: VU051860.D

Acq: 15 Nov 2022 14:37

Instrument :

MSVOA_U

ClientSampleId :

VICV054

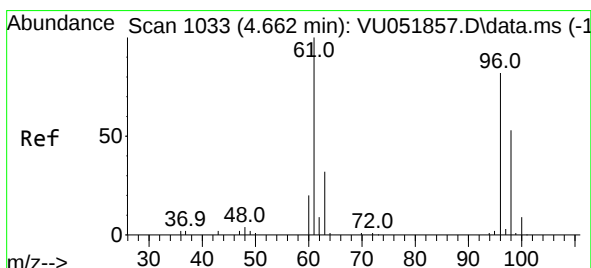
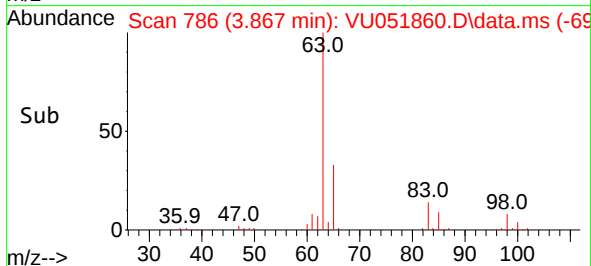
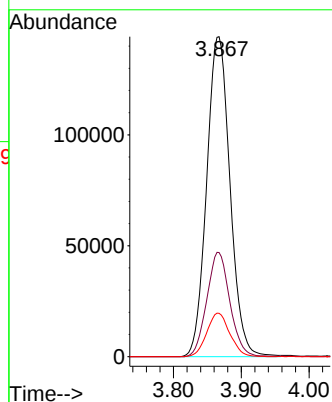
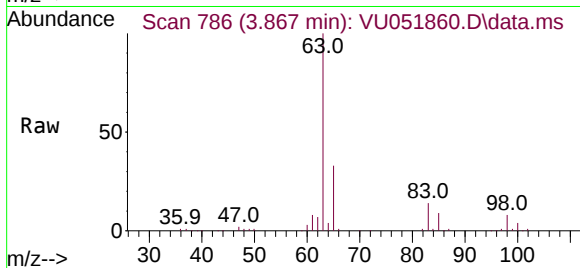
Tgt Ion: 63 Resp: 345431

Ion Ratio Lower Upper

63 100

65 32.6 22.2 41.2

83 13.5 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 49.183 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.003 min

Lab File: VU051860.D

Acq: 15 Nov 2022 14:37

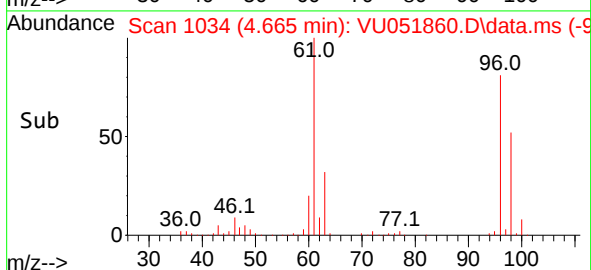
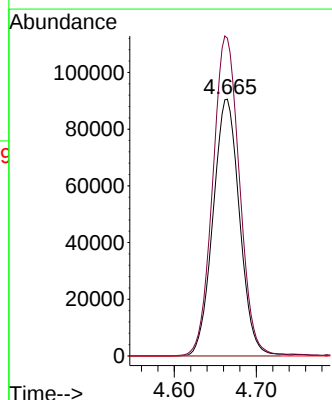
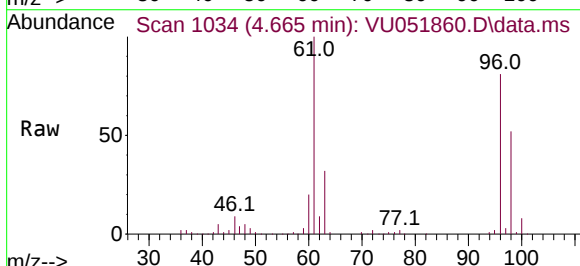
Tgt Ion: 96 Resp: 203333

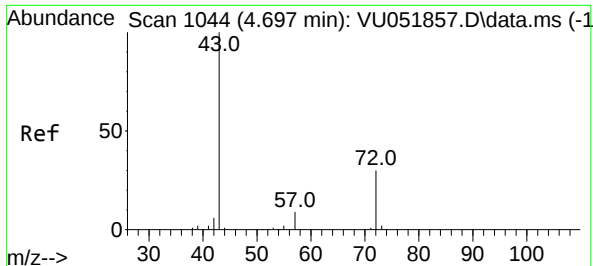
Ion Ratio Lower Upper

96 100

61 123.7 86.0 159.8

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 91.559 ug/L

RT: 4.697 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VU051860.D

Acq: 15 Nov 2022 14:37

Instrument :

MSVOA_U

ClientSampleId :

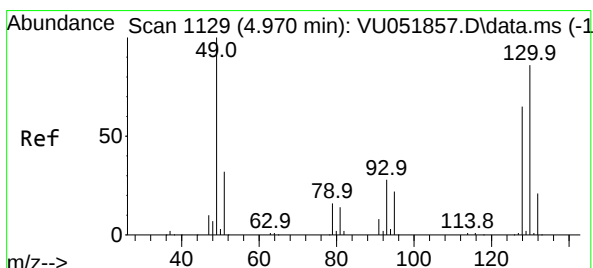
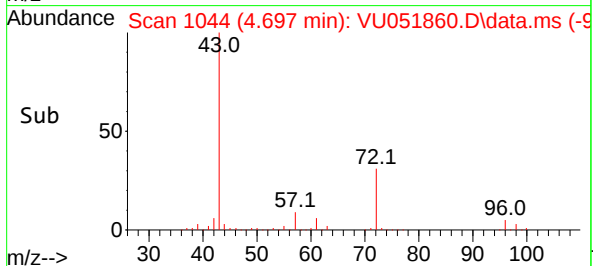
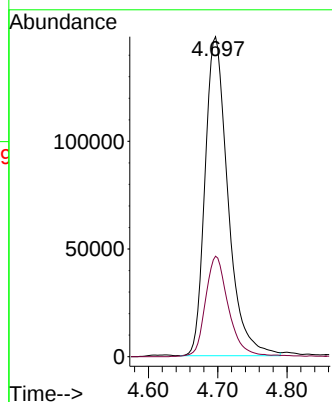
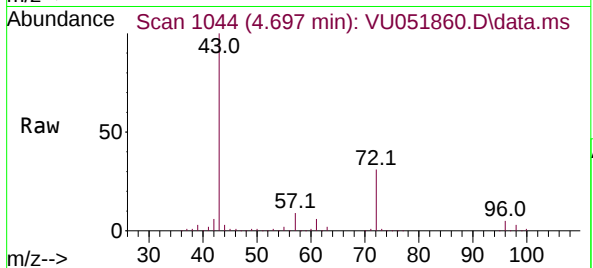
VICV054

Tgt Ion: 43 Resp: 340653

Ion Ratio Lower Upper

43 100

72 31.5 15.7 47.1



#23

Bromochloromethane

Concen: 47.884 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. 0.003 min

Lab File: VU051860.D

Acq: 15 Nov 2022 14:37

Tgt Ion:128 Resp: 109244

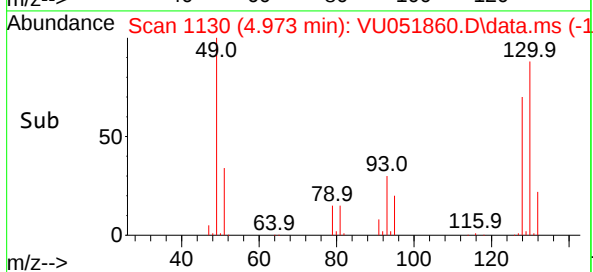
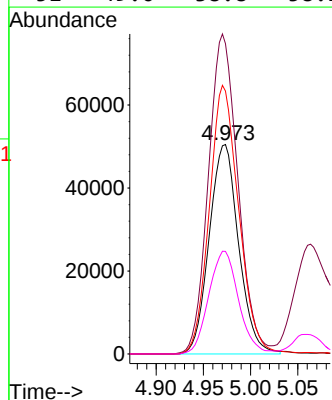
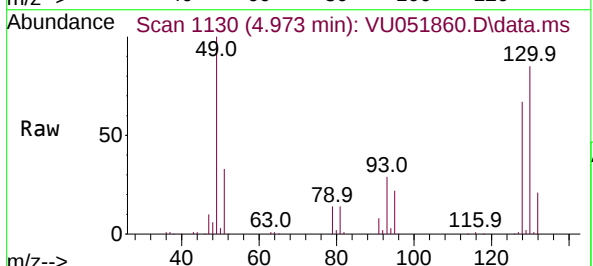
Ion Ratio Lower Upper

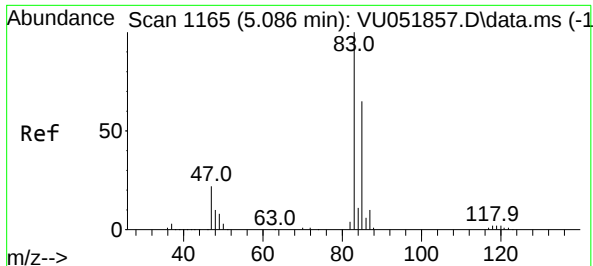
128 100

49 148.2 107.2 199.0

130 125.5 92.5 171.7

51 49.0 38.8 58.2





#25

Chloroform

Concen: 47.652 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VU051860.D

Acq: 15 Nov 2022 14:37

Instrument :

MSVOA_U

ClientSampleId :

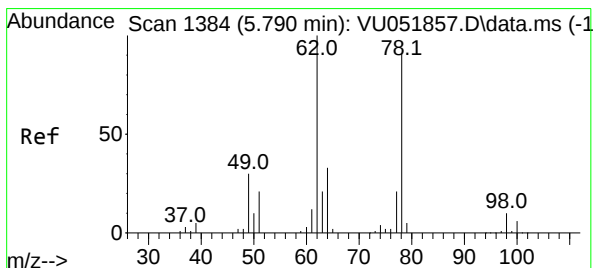
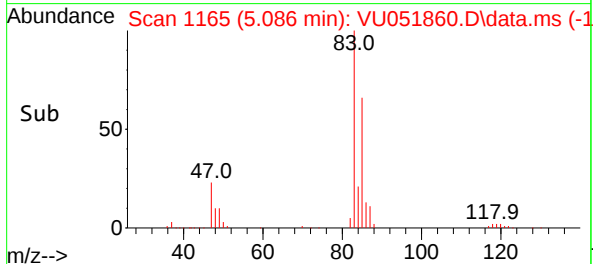
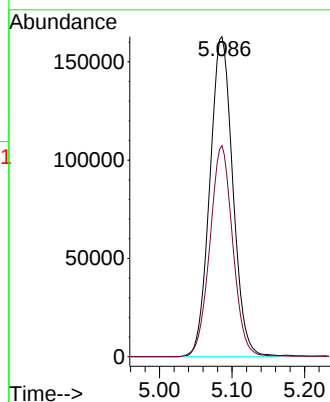
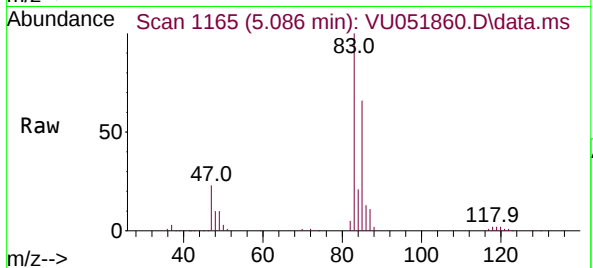
VICV054

Tgt Ion: 83 Resp: 358481

Ion Ratio Lower Upper

83 100

85 65.9 45.6 84.8



#27

1,2-Dichloroethane

Concen: 49.057 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VU051860.D

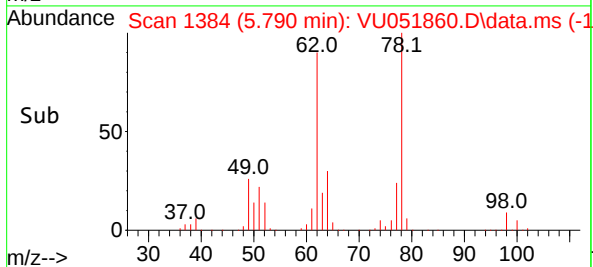
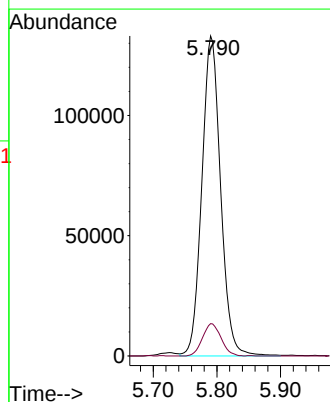
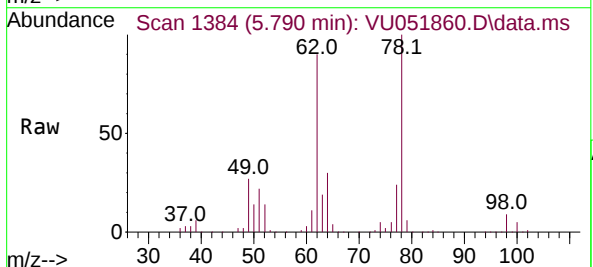
Acq: 15 Nov 2022 14:37

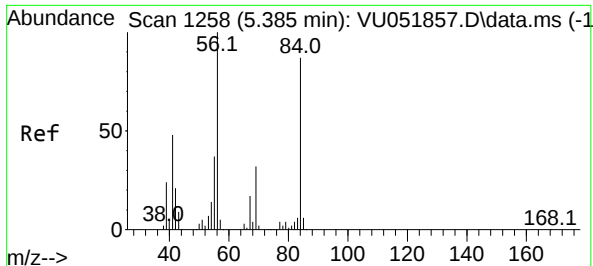
Tgt Ion: 62 Resp: 272713

Ion Ratio Lower Upper

62 100

98 10.1 8.1 12.1





#29

Cyclohexane

Concen: 56.949 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.000 min

Lab File: VU051860.D

Acq: 15 Nov 2022 14:37

Instrument :

MSVOA_U

ClientSampleId :

VICV054

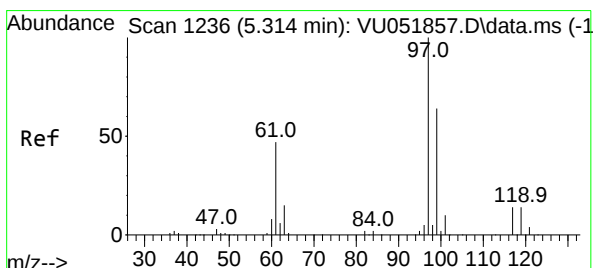
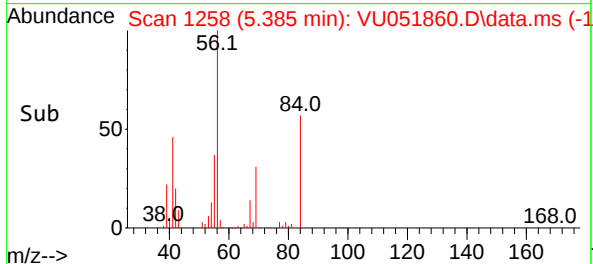
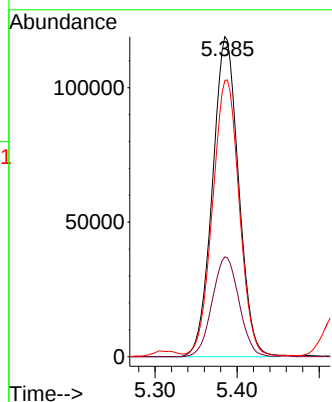
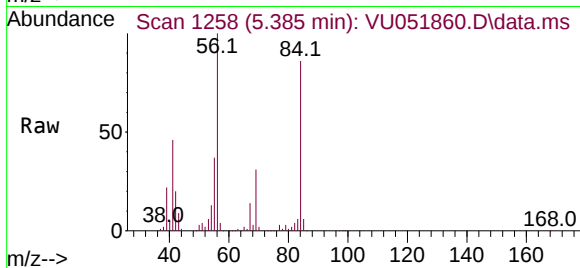
Tgt Ion: 56 Resp: 263537

Ion Ratio Lower Upper

56 100

69 32.0 25.4 38.2

84 87.6 71.4 107.0



#30

1,1,1-Trichloroethane

Concen: 51.429 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.000 min

Lab File: VU051860.D

Acq: 15 Nov 2022 14:37

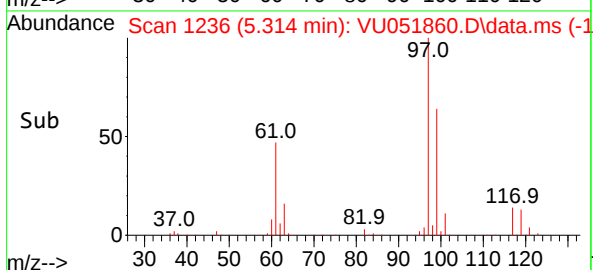
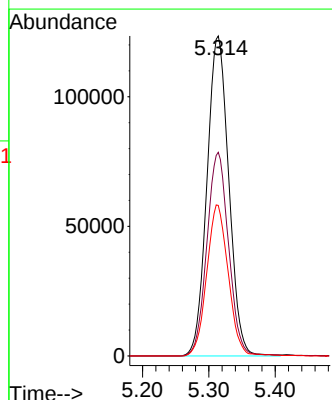
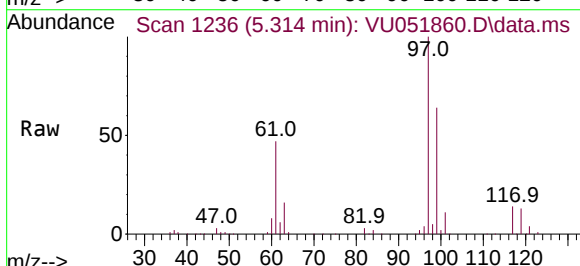
Tgt Ion: 97 Resp: 282023

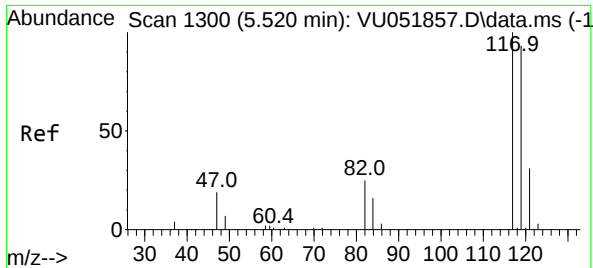
Ion Ratio Lower Upper

97 100

99 63.2 51.2 76.8

61 46.2 37.4 56.2

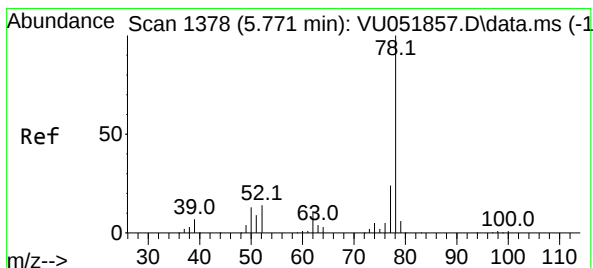
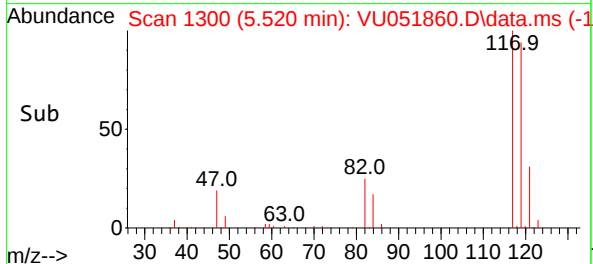
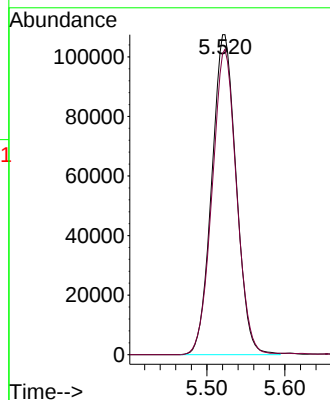
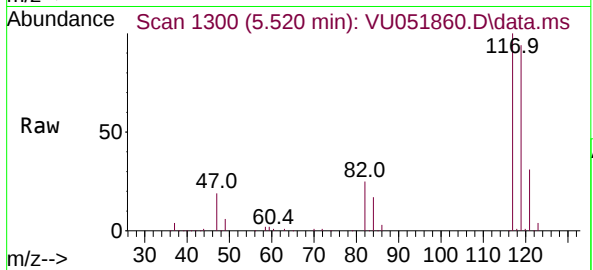




#31
Carbon tetrachloride
Concen: 50.940 ug/L
RT: 5.520 min Scan# 111
Delta R.T. -0.000 min
Lab File: VU051860.D
Acq: 15 Nov 2022 14:37

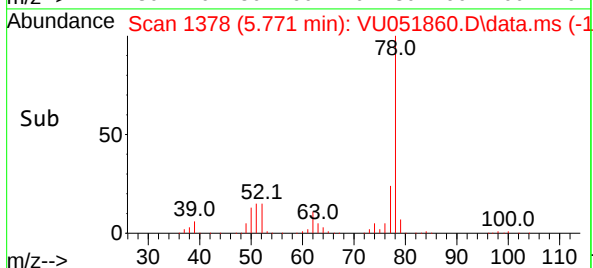
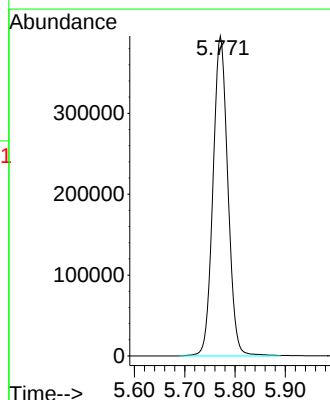
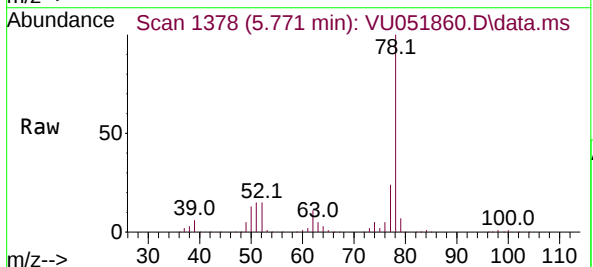
Instrument :
MSVOA_U
ClientSampleId :
VICV054

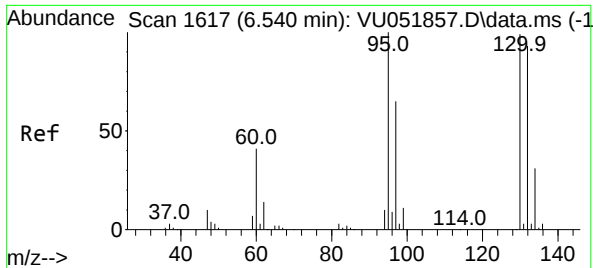
Tgt Ion:117 Resp: 233531
Ion Ratio Lower Upper
117 100
119 95.5 75.6 113.4



#33
Benzene
Concen: 52.096 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VU051860.D
Acq: 15 Nov 2022 14:37

Tgt Ion: 78 Resp: 812797

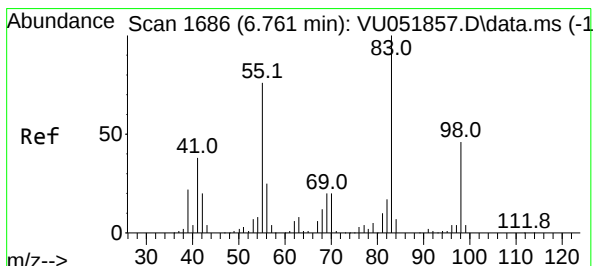
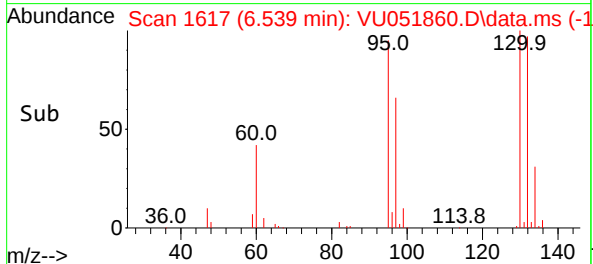
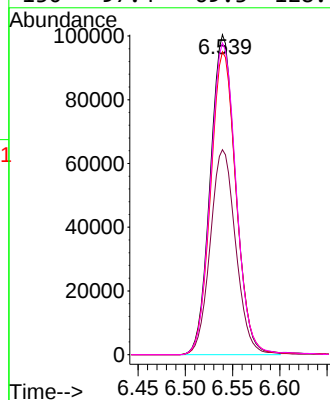
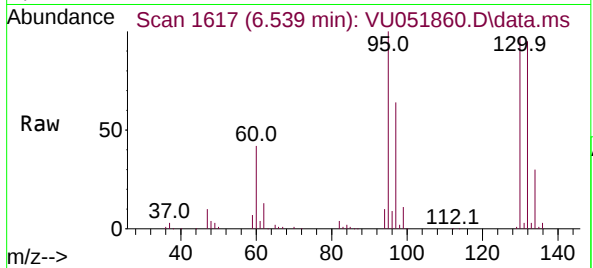




#34
Trichloroethene
Concen: 50.506 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VU051860.D
Acq: 15 Nov 2022 14:37

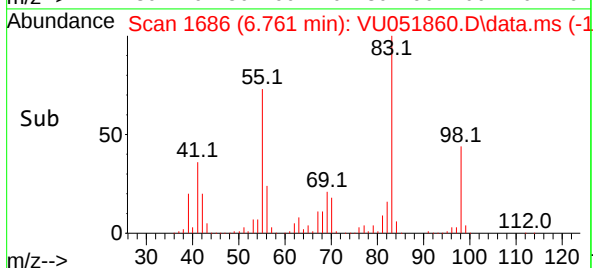
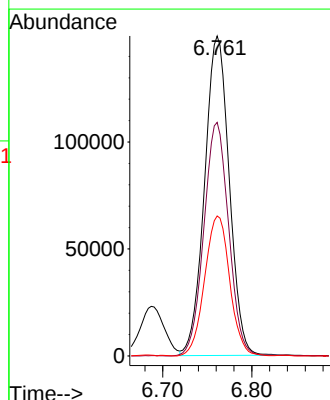
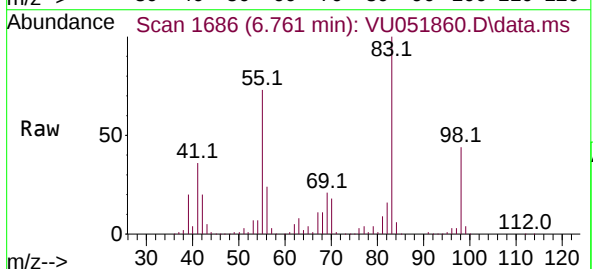
Instrument :
MSVOA_U
ClientSampleId :
VICV054

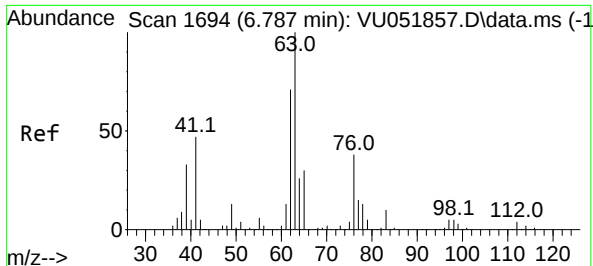
Tgt Ion: 95 Resp: 186683
Ion Ratio Lower Upper
95 100
97 64.0 45.8 85.0
132 94.7 65.3 121.3
130 97.4 69.3 128.7



#35
Methylcyclohexane
Concen: 57.279 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VU051860.D
Acq: 15 Nov 2022 14:37

Tgt Ion: 83 Resp: 287077
Ion Ratio Lower Upper
83 100
55 73.5 60.0 90.0
98 44.6 35.8 53.8





#37

1,2-Dichloropropane

Concen: 50.056 ug/L

RT: 6.787 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU051860.D

Acq: 15 Nov 2022 14:37

Instrument :

MSVOA_U

ClientSampleId :

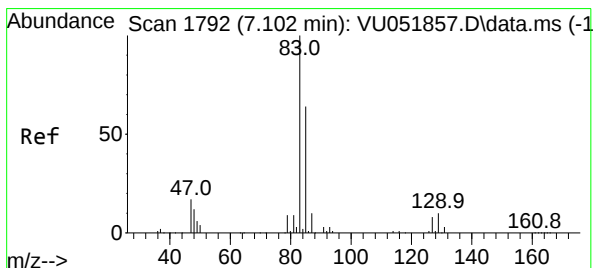
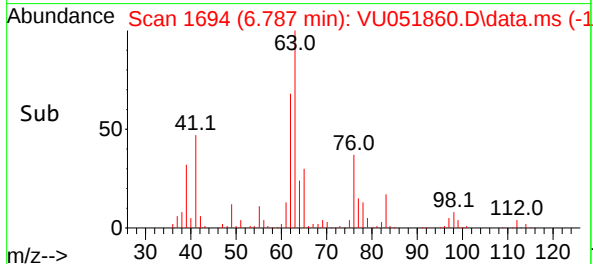
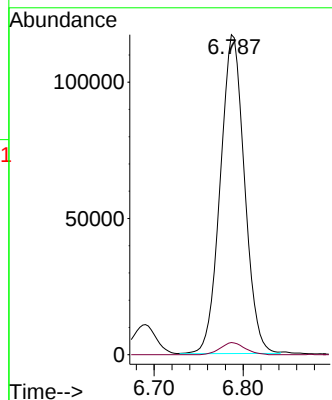
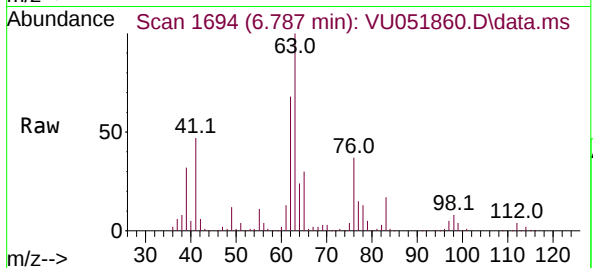
VICV054

Tgt Ion: 63 Resp: 221142

Ion Ratio Lower Upper

63 100

112 3.9 3.0 4.6



#38

Bromodichloromethane

Concen: 49.296 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VU051860.D

Acq: 15 Nov 2022 14:37

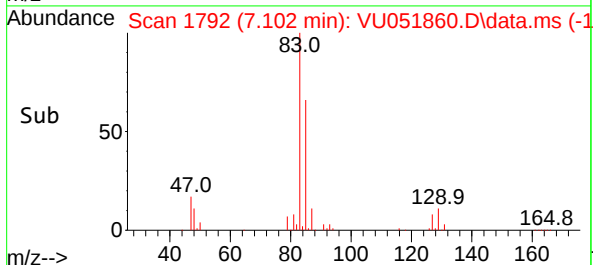
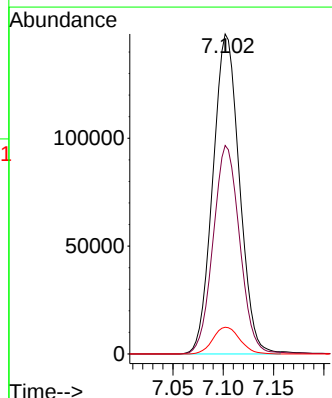
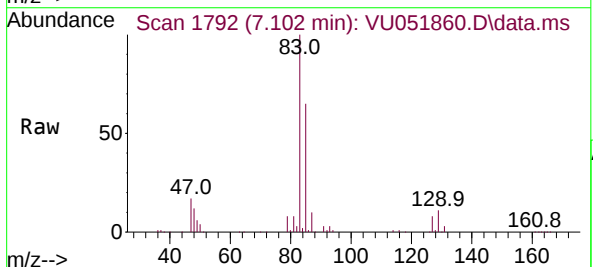
Tgt Ion: 83 Resp: 272471

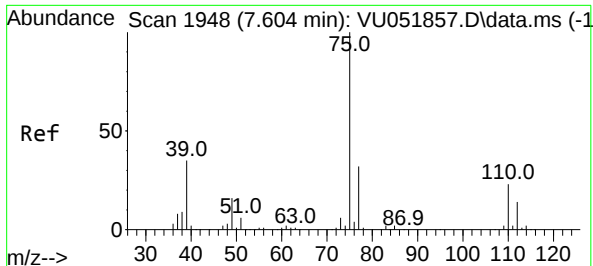
Ion Ratio Lower Upper

83 100

85 65.1 44.6 82.8

127 8.3 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 52.767 ug/L

RT: 7.603 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU051860.D

Acq: 15 Nov 2022 14:37

Instrument :

MSVOA_U

ClientSampleId :

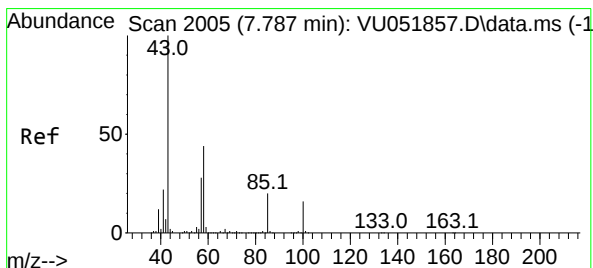
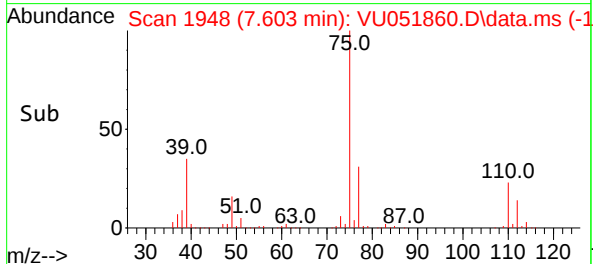
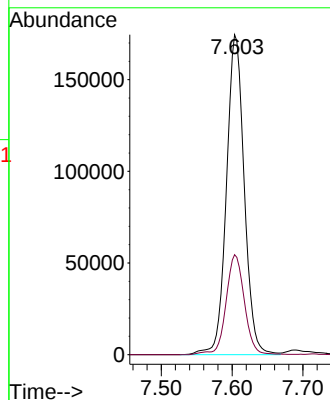
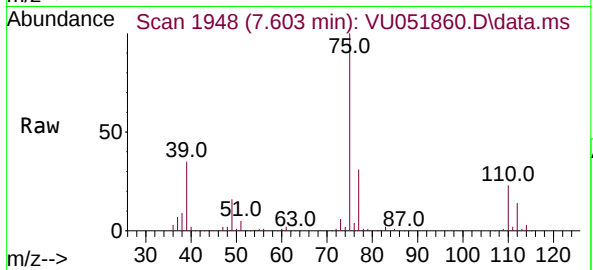
VICV054

Tgt Ion: 75 Resp: 304943

Ion Ratio Lower Upper

75 100

77 31.3 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 106.403 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. -0.000 min

Lab File: VU051860.D

Acq: 15 Nov 2022 14:37

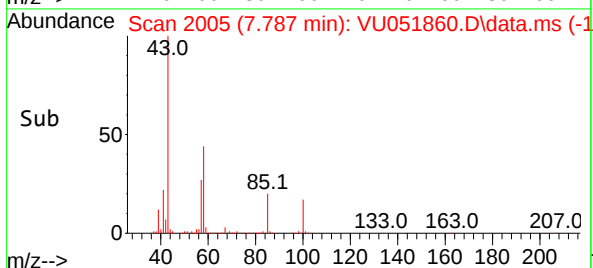
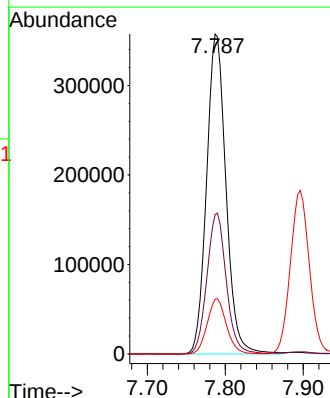
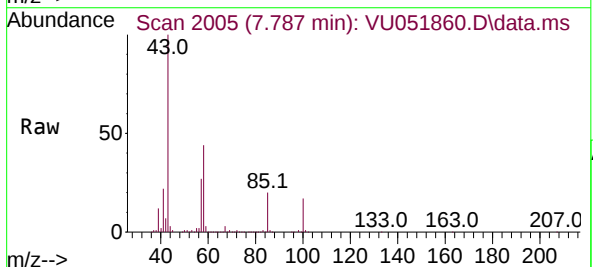
Tgt Ion: 43 Resp: 619030

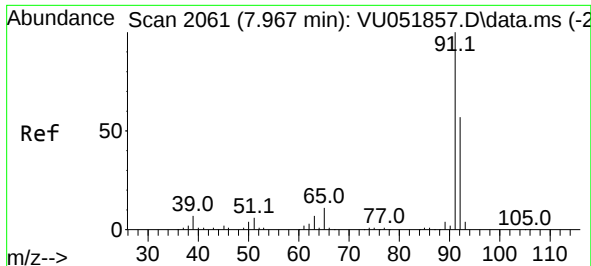
Ion Ratio Lower Upper

43 100

58 43.9 35.4 53.2

100 17.1 13.4 20.0





#42

Toluene

Concen: 54.369 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU051860.D

Acq: 15 Nov 2022 14:37

Instrument :

MSVOA_U

ClientSampleId :

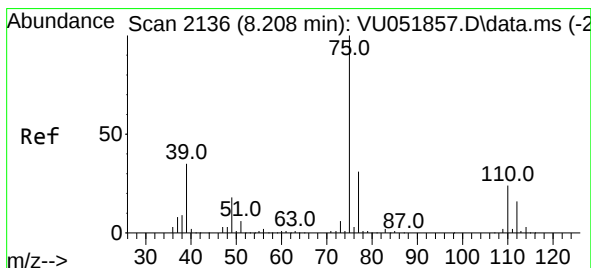
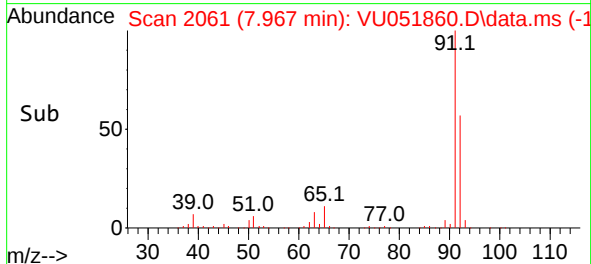
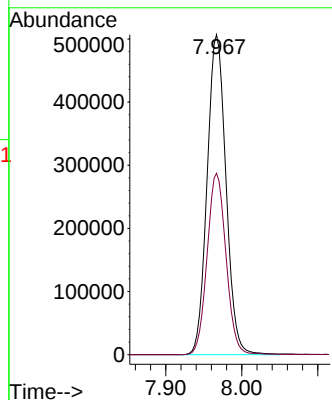
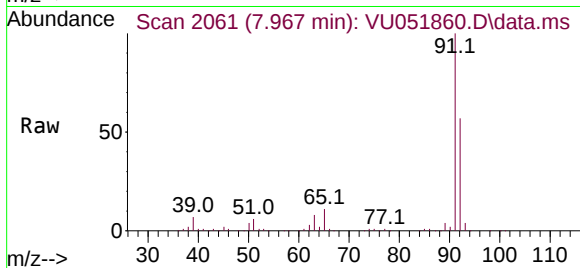
VICV054

Tgt Ion: 91 Resp: 872478

Ion Ratio Lower Upper

91 100

92 56.7 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 51.926 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.000 min

Lab File: VU051860.D

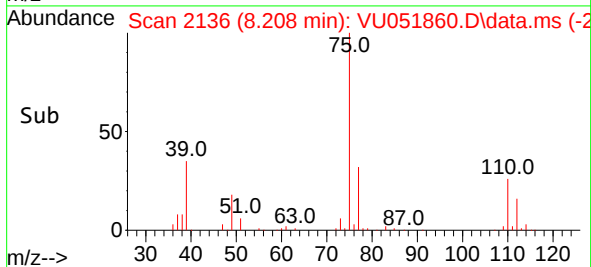
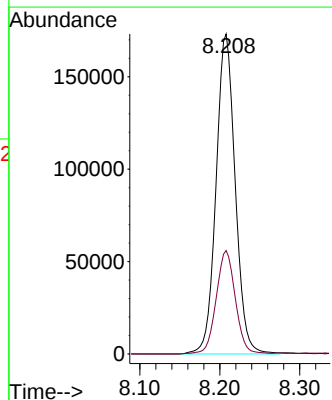
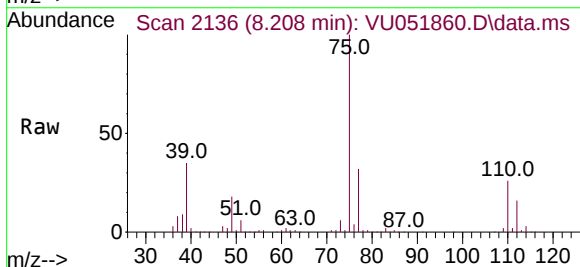
Acq: 15 Nov 2022 14:37

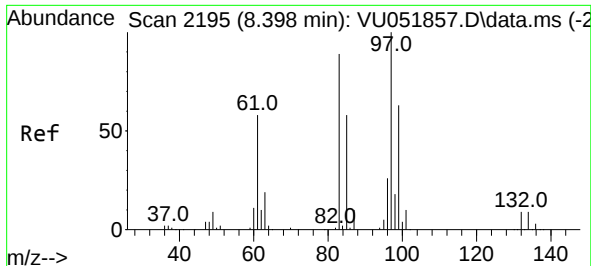
Tgt Ion: 75 Resp: 287549

Ion Ratio Lower Upper

75 100

77 32.3 21.8 40.6





#45

1,1,2-Trichloroethane

Concen: 49.435 ug/L

RT: 8.398 min Scan# 2195

Delta R.T. -0.000 min

Lab File: VU051860.D

Acq: 15 Nov 2022 14:37

Instrument :

MSVOA_U

ClientSampleId :

VICV054

Tgt Ion: 97 Resp: 221939

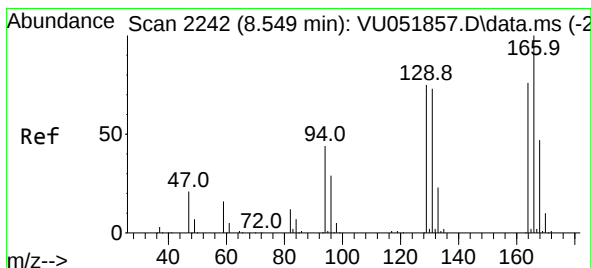
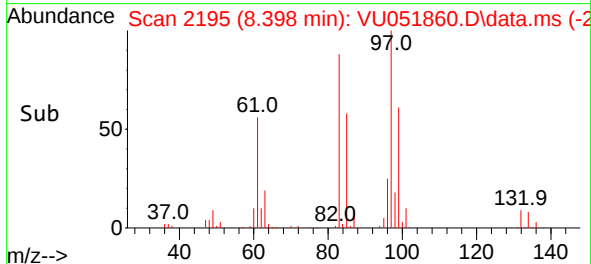
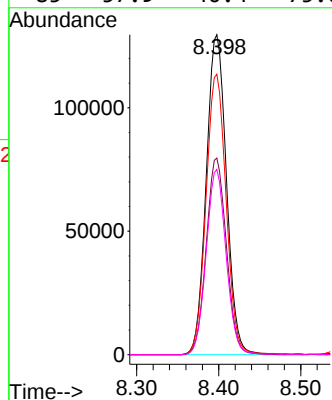
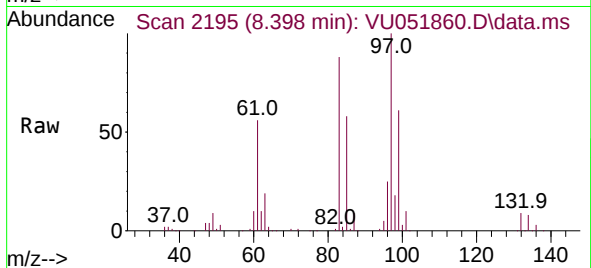
Ion Ratio Lower Upper

97 100

99 61.5 44.3 82.3

83 87.7 62.3 115.7

85 57.9 40.4 75.0



#46

Tetrachloroethene

Concen: 48.553 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. 0.003 min

Lab File: VU051860.D

Acq: 15 Nov 2022 14:37

Tgt Ion:164 Resp: 143324

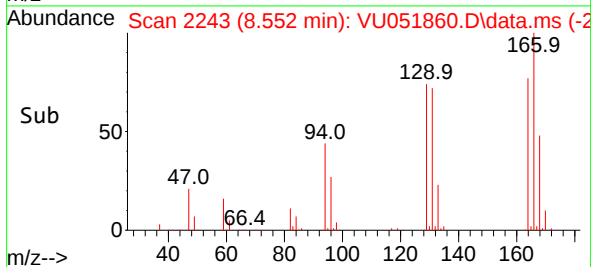
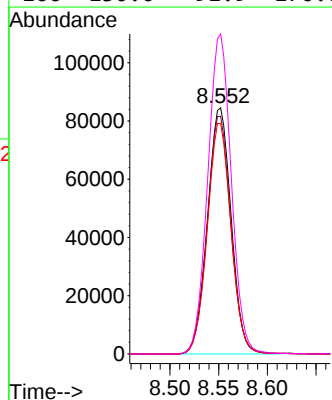
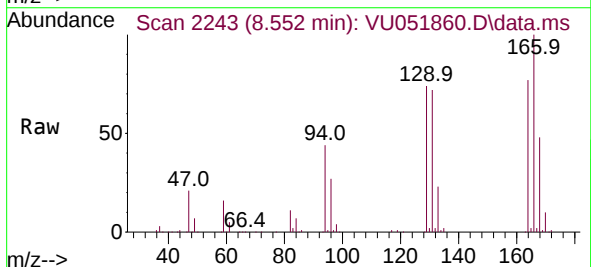
Ion Ratio Lower Upper

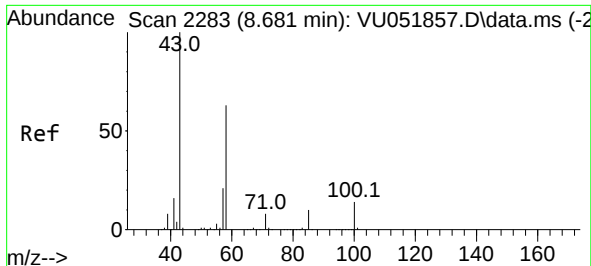
164 100

129 96.5 68.5 127.1

131 93.7 66.6 123.8

166 130.0 91.9 170.7

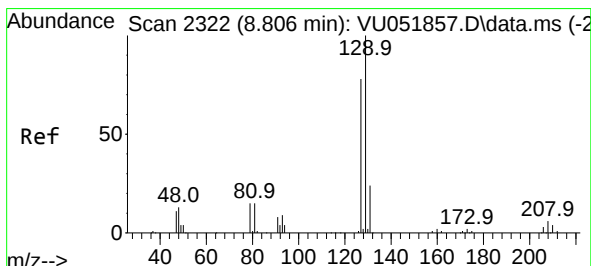
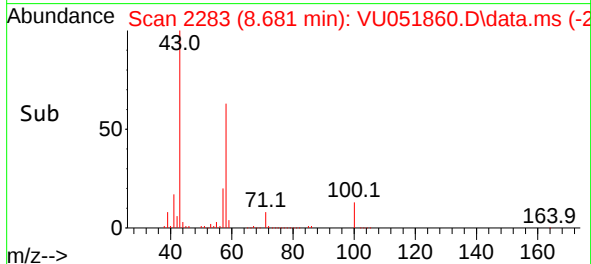
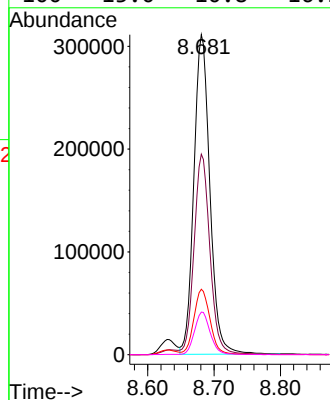
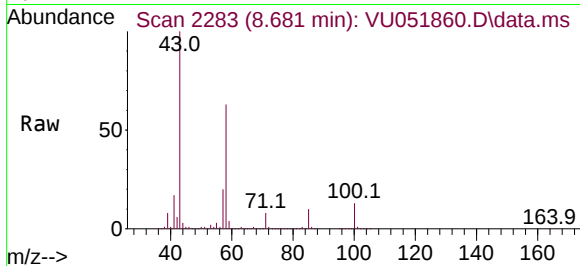




#48
2-Hexanone
Concen: 104.384 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051860.D
Acq: 15 Nov 2022 14:37

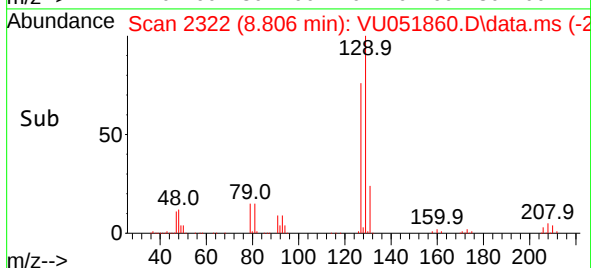
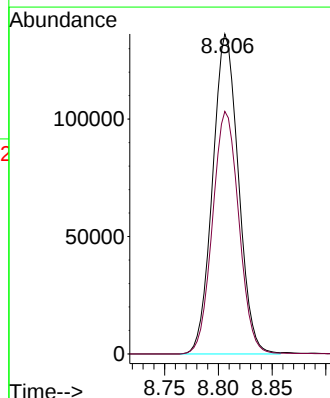
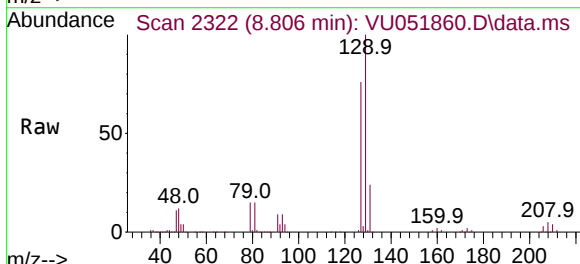
Instrument :
MSVOA_U
ClientSampleId :
VICV054

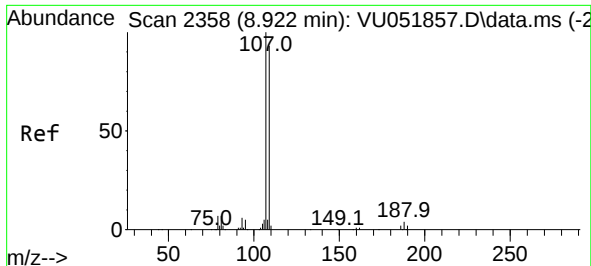
Tgt	Ion: 43	Resp: 521563	
Ion	Ratio	Lower	Upper
43	100		
58	61.5	50.6	76.0
57	20.6	16.8	25.2
100	13.0	10.8	16.2



#49
Dibromochloromethane
Concen: 49.196 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU051860.D
Acq: 15 Nov 2022 14:37

Tgt Ion:129	Resp: 227729
Ion Ratio	Lower Upper
129 100	
127 75.8	54.4 101.0





#50

1,2-Dibromoethane

Concen: 49.760 ug/L

RT: 8.922 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU051860.D

Acq: 15 Nov 2022 14:37

Instrument :

MSVOA_U

ClientSampleId :

VICV054

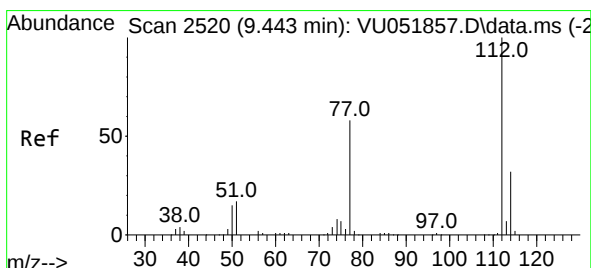
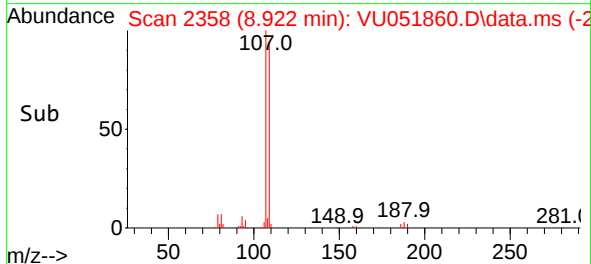
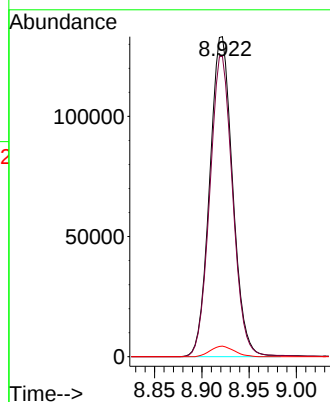
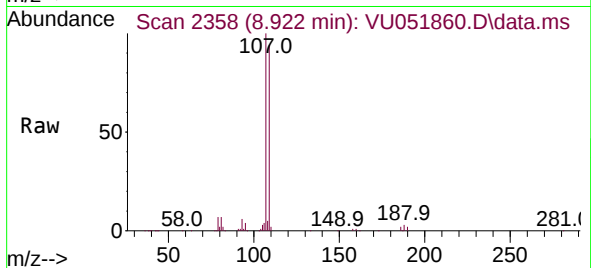
Tgt Ion:107 Resp: 224891

Ion Ratio Lower Upper

107 100

109 93.9 65.0 120.6

188 3.3 2.9 4.3



#51

Chlorobenzene

Concen: 50.211 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU051860.D

Acq: 15 Nov 2022 14:37

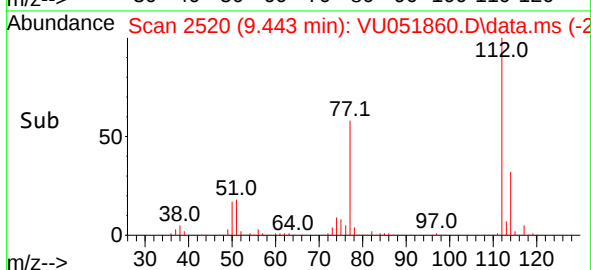
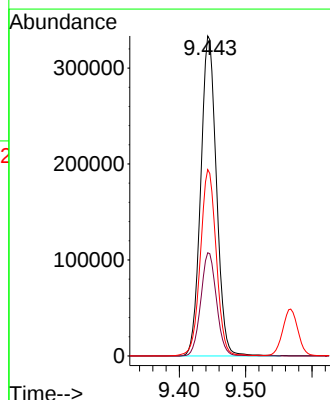
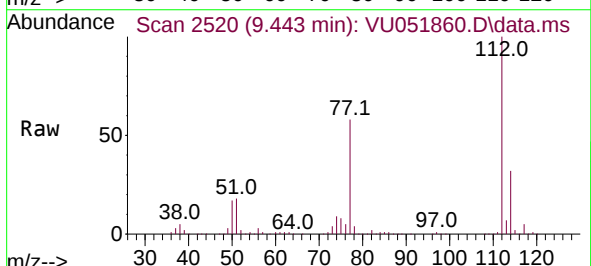
Tgt Ion:112 Resp: 550588

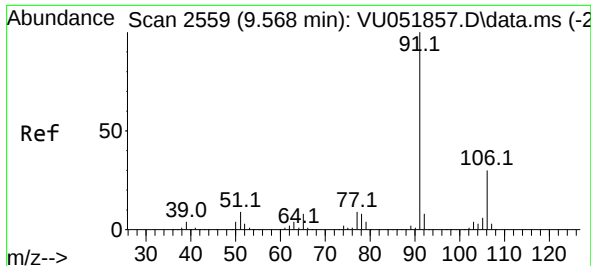
Ion Ratio Lower Upper

112 100

114 32.3 22.2 41.2

77 58.3 46.7 70.1

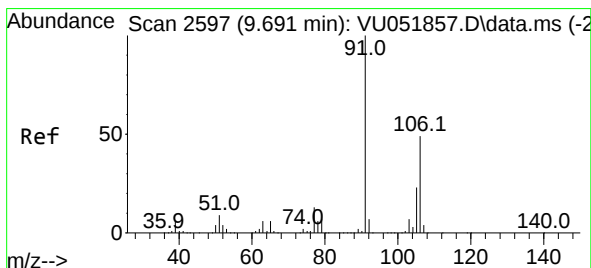
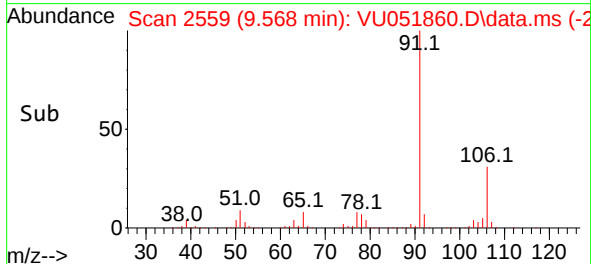
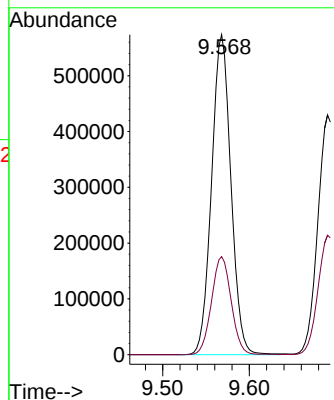
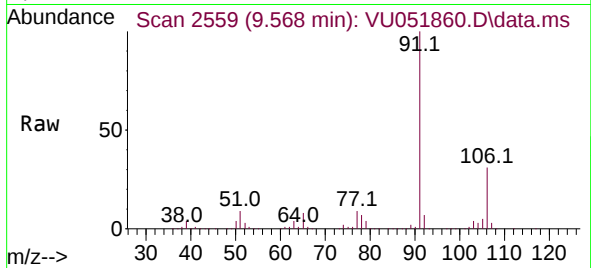




#52
Ethylbenzene
Concen: 54.162 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU051860.D
Acq: 15 Nov 2022 14:37

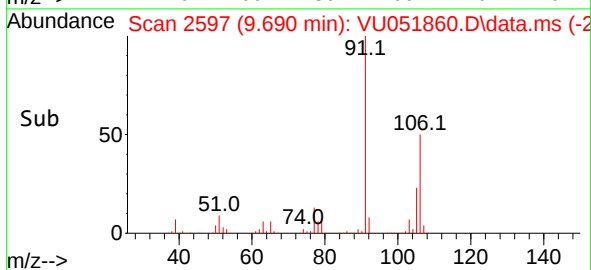
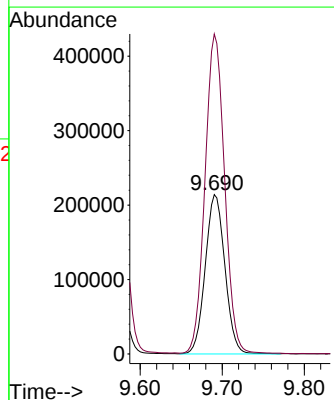
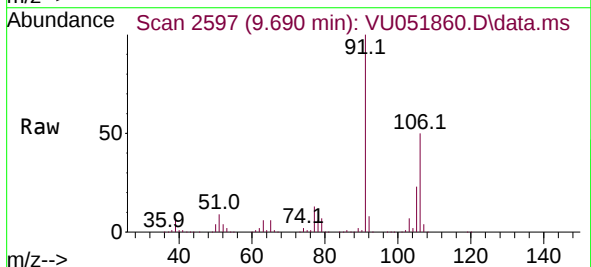
Instrument :
MSVOA_U
ClientSampleId :
VICV054

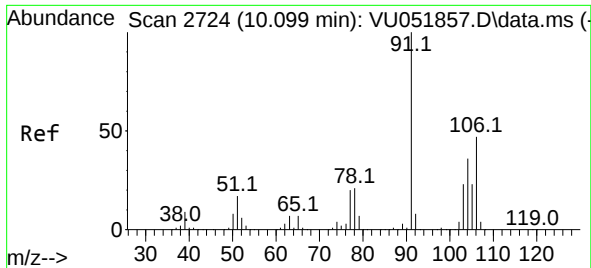
Tgt Ion: 91 Resp: 889504
Ion Ratio Lower Upper
91 100
106 30.7 21.3 39.6



#53
m,p-Xylene
Concen: 56.015 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU051860.D
Acq: 15 Nov 2022 14:37

Tgt Ion: 106 Resp: 356092
Ion Ratio Lower Upper
106 100
91 200.7 141.7 263.3

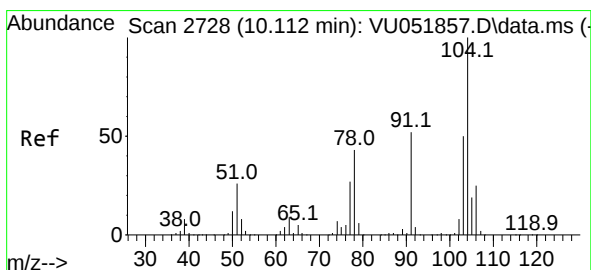
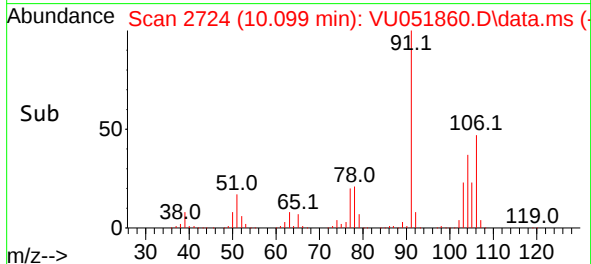
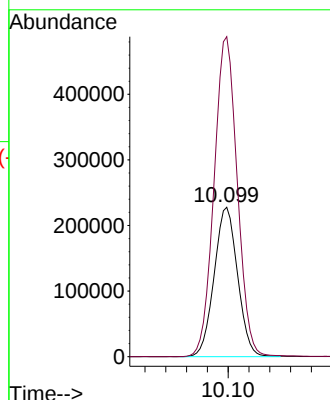
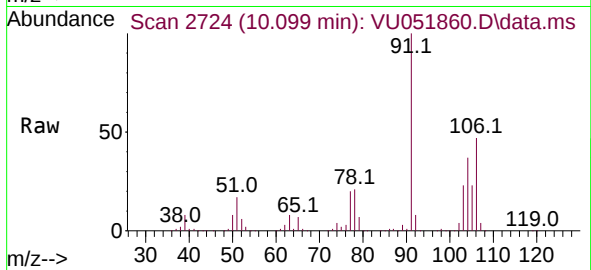




#54
o-Xylene
Concen: 55.160 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. -0.000 min
Lab File: VU051860.D
Acq: 15 Nov 2022 14:37

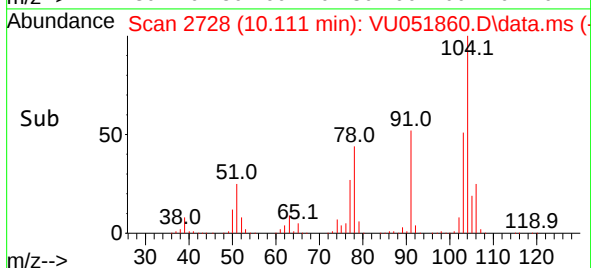
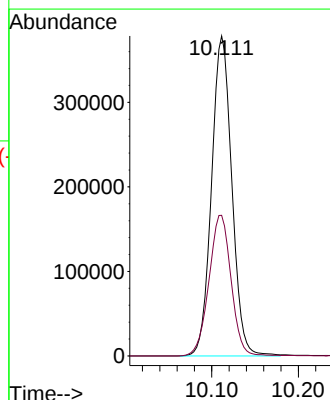
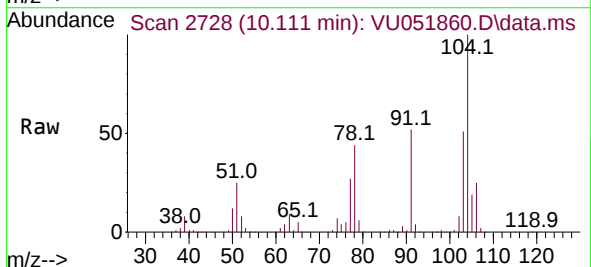
Instrument :
MSVOA_U
ClientSampleId :
VICV054

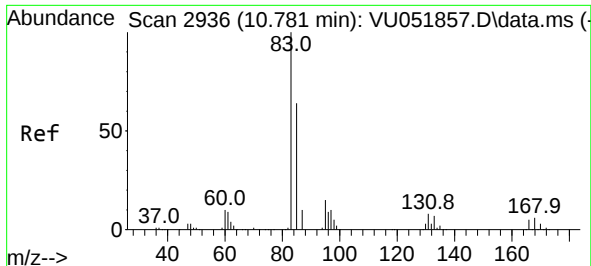
Tgt Ion:106 Resp: 356891
Ion Ratio Lower Upper
106 100
91 214.1 149.7 278.1



#55
Styrene
Concen: 55.205 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. -0.000 min
Lab File: VU051860.D
Acq: 15 Nov 2022 14:37

Tgt Ion:104 Resp: 616315
Ion Ratio Lower Upper
104 100
78 44.0 30.3 56.3





#57

1,1,2,2-Tetrachloroethane

Concen: 49.014 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. -0.000 min

Lab File: VU051860.D

Acq: 15 Nov 2022 14:37

Instrument :

MSVOA_U

ClientSampleId :

VICV054

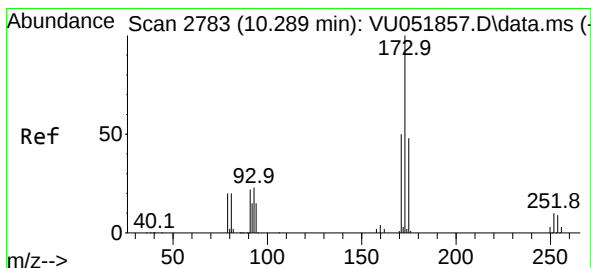
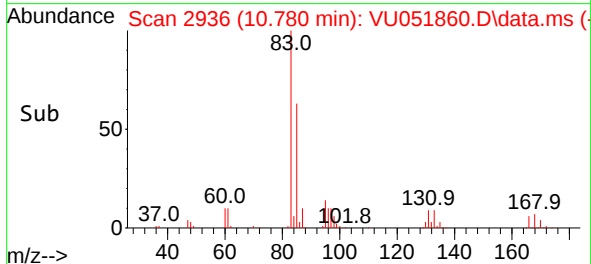
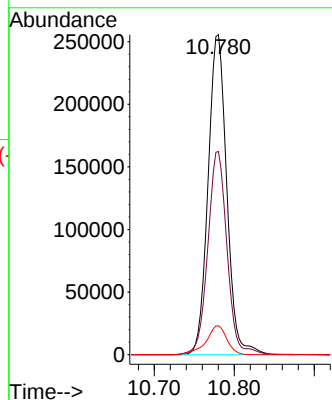
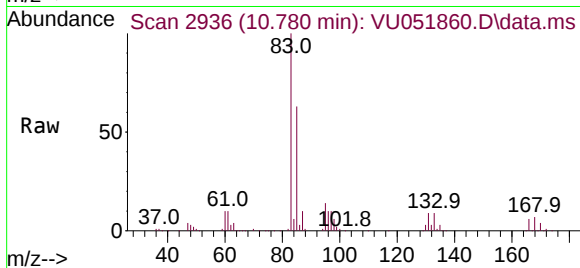
Tgt Ion: 83 Resp: 415813

Ion Ratio Lower Upper

83 100

85 63.5 44.9 83.3

131 9.1 6.8 10.2



#59

Bromoform

Concen: 46.481 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. -0.000 min

Lab File: VU051860.D

Acq: 15 Nov 2022 14:37

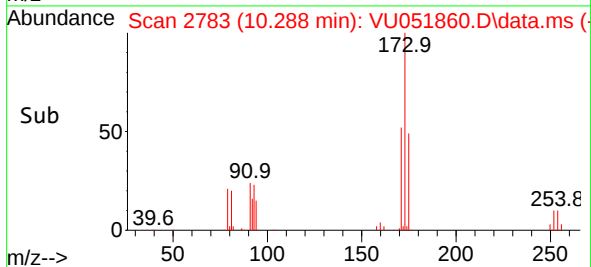
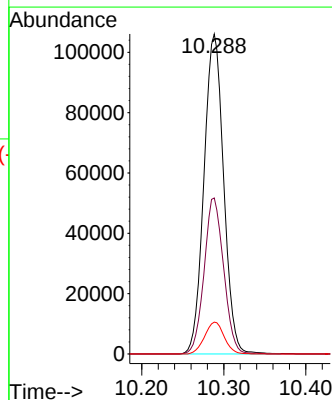
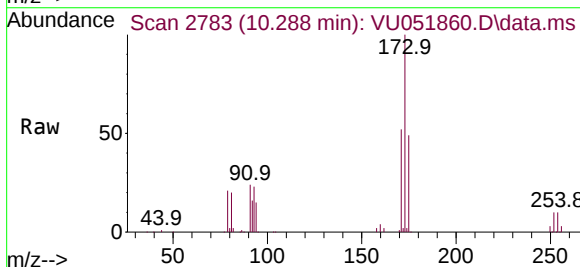
Tgt Ion:173 Resp: 176836

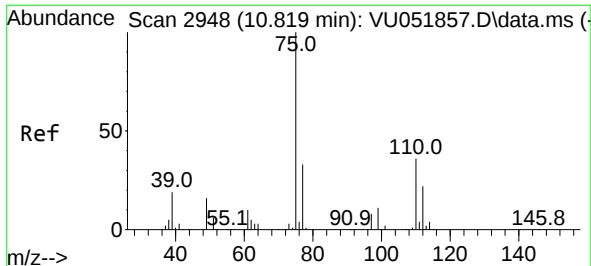
Ion Ratio Lower Upper

173 100

175 48.2 38.9 58.3

254 9.9 7.4 11.2

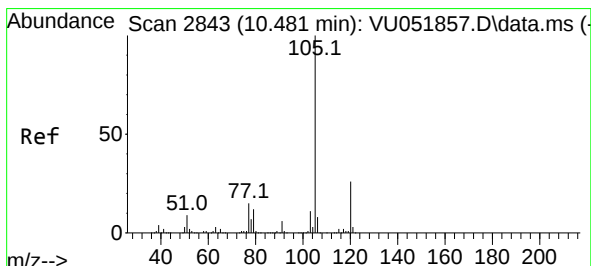
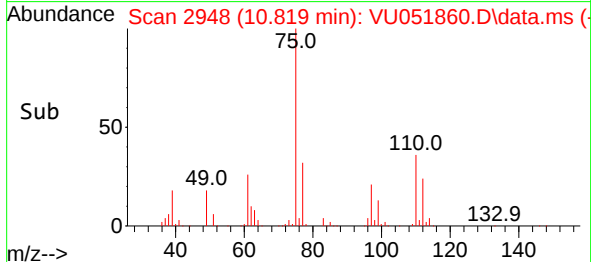
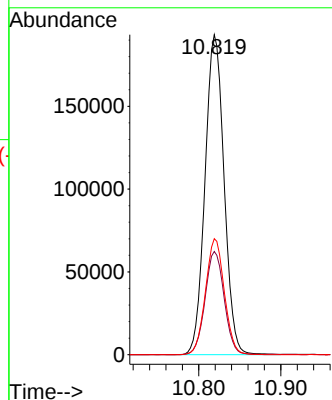
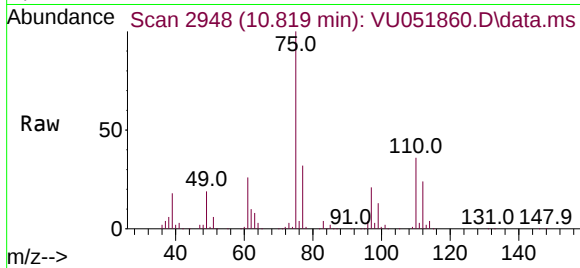




#60
1,2,3-Trichloropropane
Concen: 46.575 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU051860.D
Acq: 15 Nov 2022 14:37

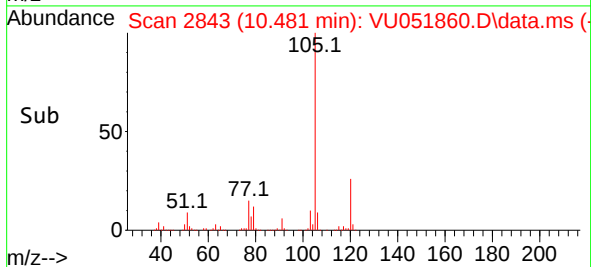
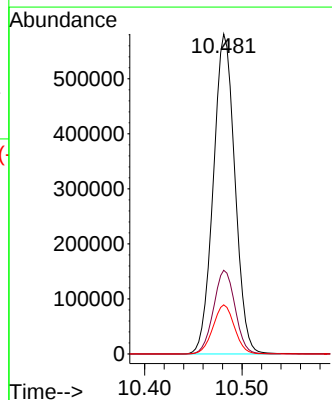
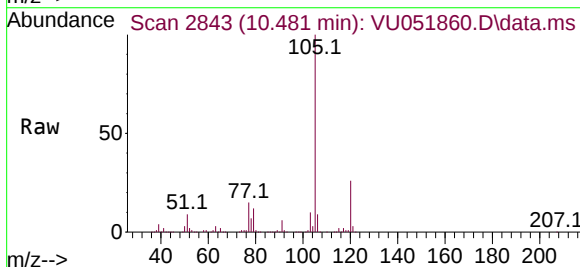
Instrument :
MSVOA_U
ClientSampleId :
VICV054

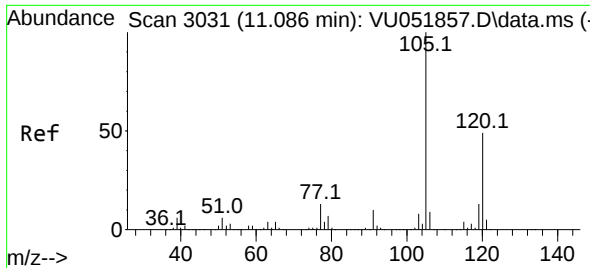
Tgt Ion: 75 Resp: 312622
Ion Ratio Lower Upper
75 100
77 32.3 26.2 39.4
110 35.8 29.0 43.4



#61
Isopropylbenzene
Concen: 54.582 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU051860.D
Acq: 15 Nov 2022 14:37

Tgt Ion:105 Resp: 895139
Ion Ratio Lower Upper
105 100
120 26.1 21.1 31.7
77 15.3 12.2 18.4

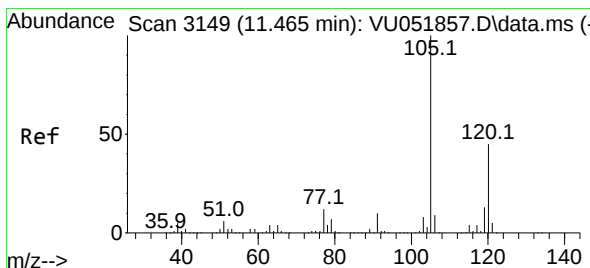
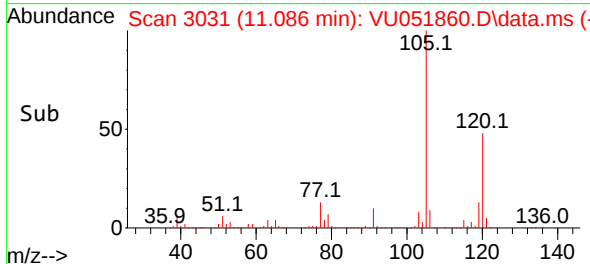
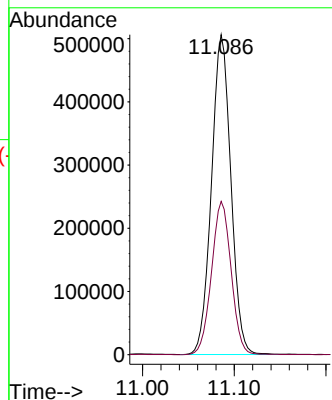
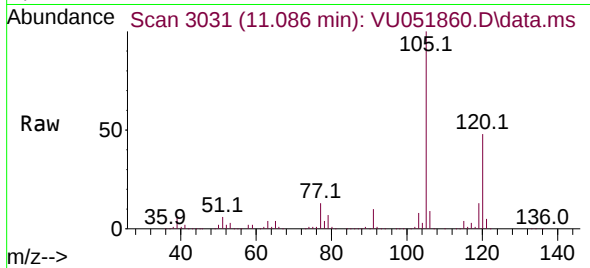




#62
 1,3,5-Trimethylbenzene
 Concen: 55.685 ug/L
 RT: 11.086 min Scan# 3031
 Delta R.T. -0.000 min
 Lab File: VU051860.D
 Acq: 15 Nov 2022 14:37

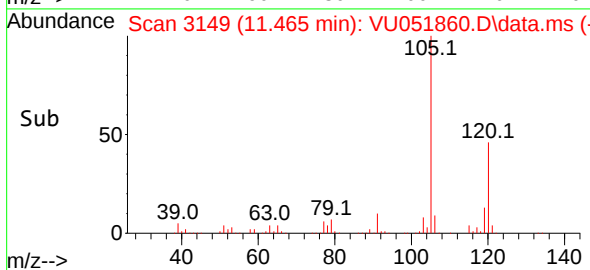
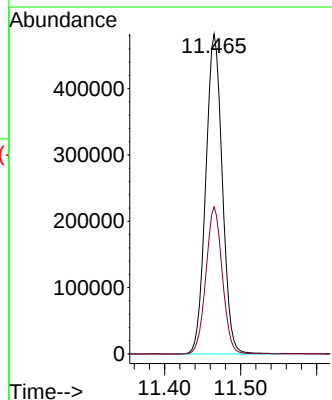
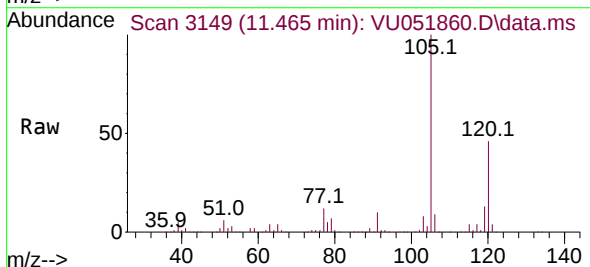
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV054

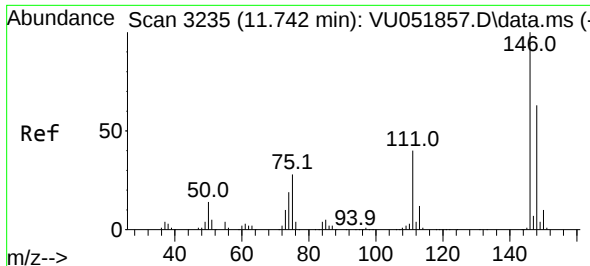
Tgt Ion:105 Resp: 744138
 Ion Ratio Lower Upper
 105 100
 120 48.4 39.1 58.7



#63
 1,2,4-Trimethylbenzene
 Concen: 55.827 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. -0.000 min
 Lab File: VU051860.D
 Acq: 15 Nov 2022 14:37

Tgt Ion:105 Resp: 728890
 Ion Ratio Lower Upper
 105 100
 120 45.6 36.2 54.2

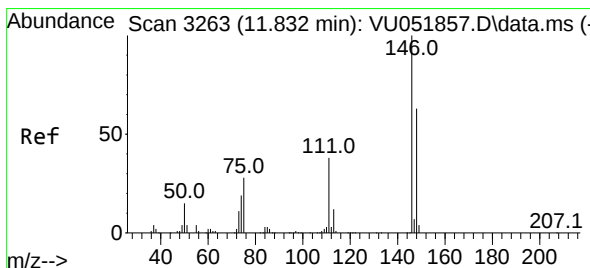
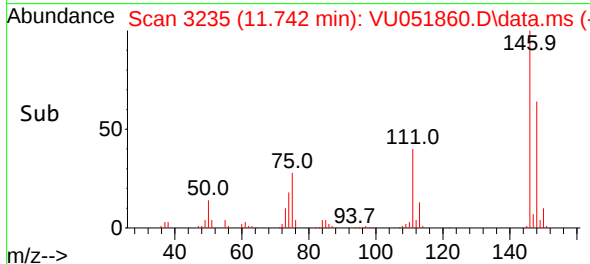
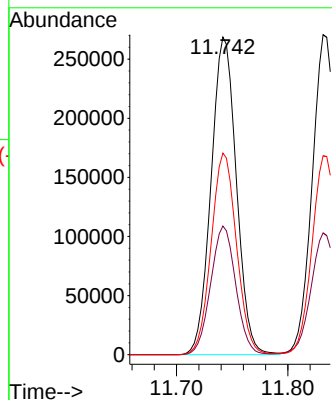
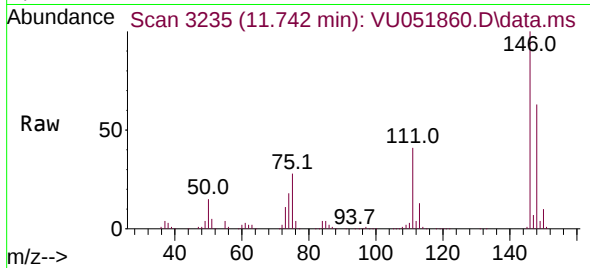




#64
1,3-Dichlorobenzene
Concen: 51.030 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. -0.000 min
Lab File: VU051860.D
Acq: 15 Nov 2022 14:37

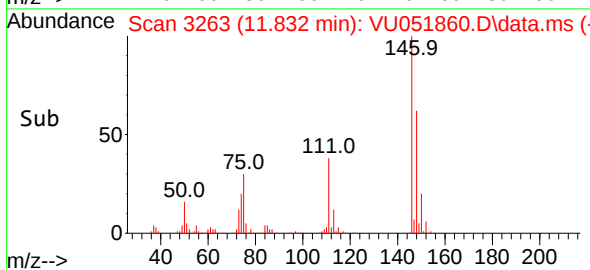
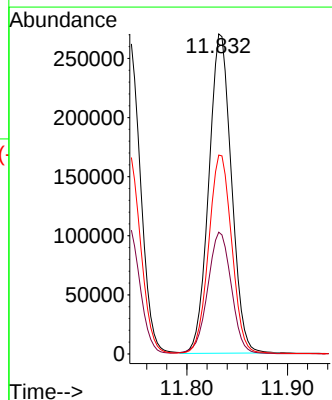
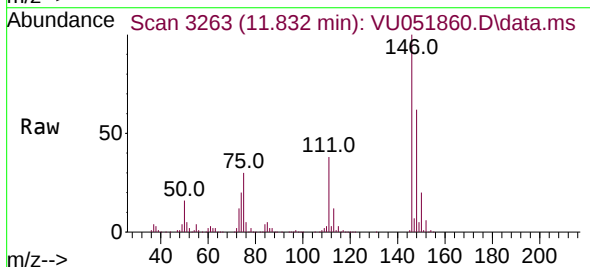
Instrument :
MSVOA_U
ClientSampleId :
VICV054

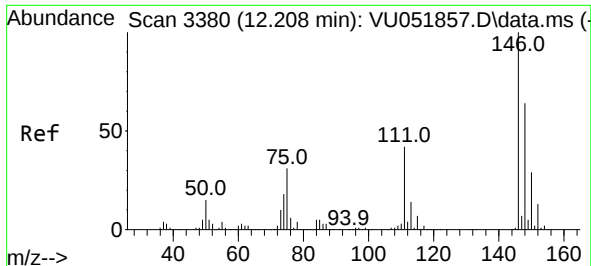
Tgt Ion:146 Resp: 424157
Ion Ratio Lower Upper
146 100
111 40.5 28.1 52.1
148 63.5 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 50.122 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU051860.D
Acq: 15 Nov 2022 14:37

Tgt Ion:146 Resp: 421895
Ion Ratio Lower Upper
146 100
111 38.0 26.7 49.5
148 62.2 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 49.132 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU051860.D

Acq: 15 Nov 2022 14:37

Instrument :

MSVOA_U

ClientSampleId :

VICV054

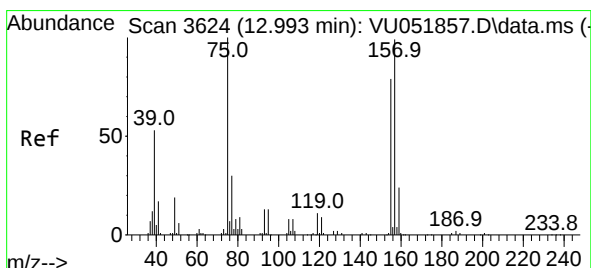
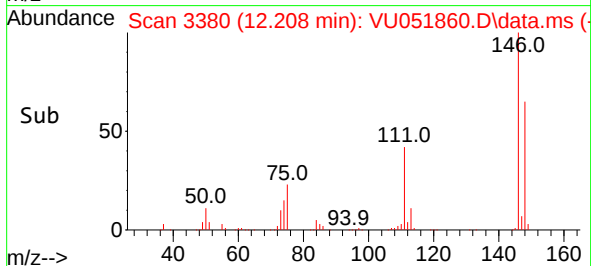
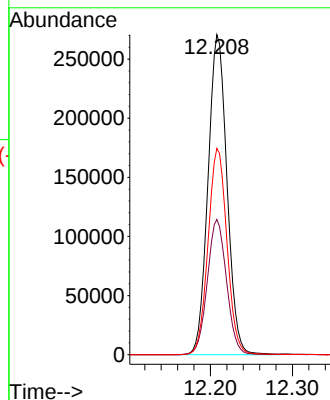
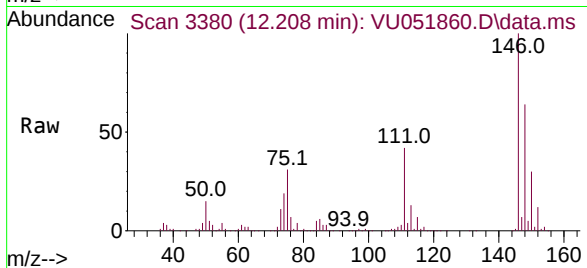
Tgt Ion:146 Resp: 434263

Ion Ratio Lower Upper

146 100

111 42.3 33.6 50.4

148 64.5 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 47.236 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.000 min

Lab File: VU051860.D

Acq: 15 Nov 2022 14:37

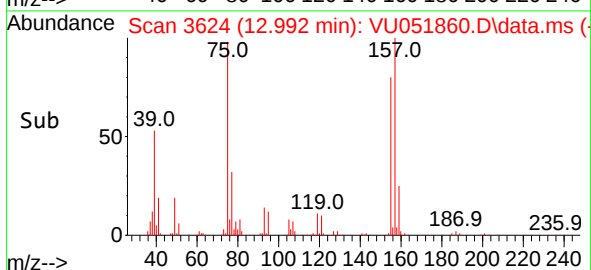
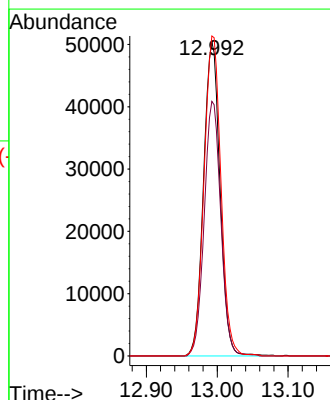
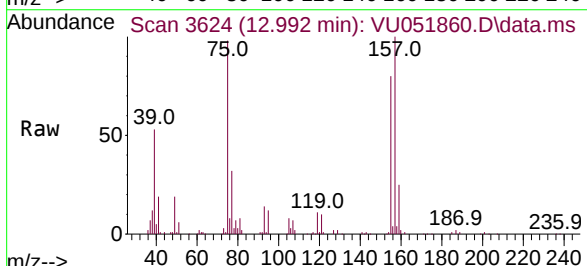
Tgt Ion: 75 Resp: 81177

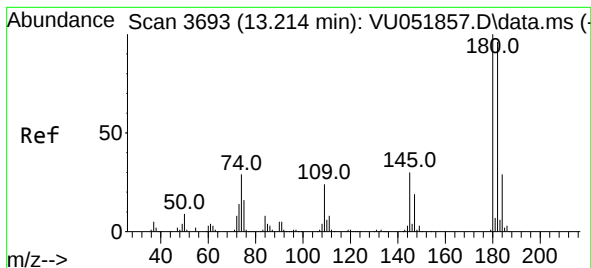
Ion Ratio Lower Upper

75 100

155 81.1 63.0 94.6

157 102.0 79.4 119.0





#69

1,3,5-Trichlorobenzene

Concen: 50.937 ug/L

RT: 13.214 min Scan# 3693

Delta R.T. -0.000 min

Lab File: VU051860.D

Acq: 15 Nov 2022 14:37

Instrument :

MSVOA_U

ClientSampleId :

VICV054

Tgt Ion:180 Resp: 280892

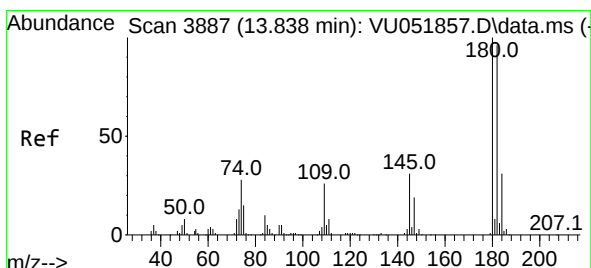
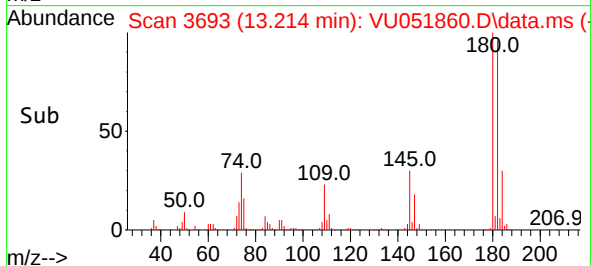
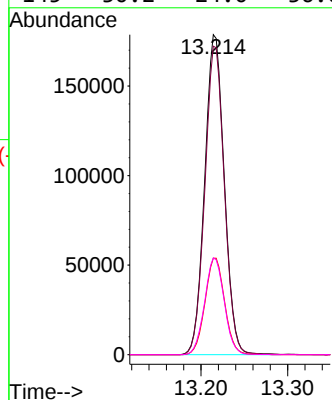
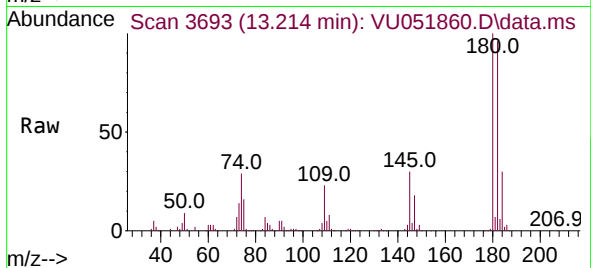
Ion Ratio Lower Upper

180 100

182 95.9 77.0 115.4

184 30.2 23.8 35.8

145 30.2 24.0 36.0



#70

1,2,4-trichlorobenzene

Concen: 52.360 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. -0.000 min

Lab File: VU051860.D

Acq: 15 Nov 2022 14:37

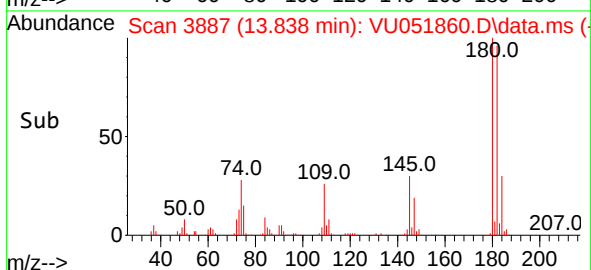
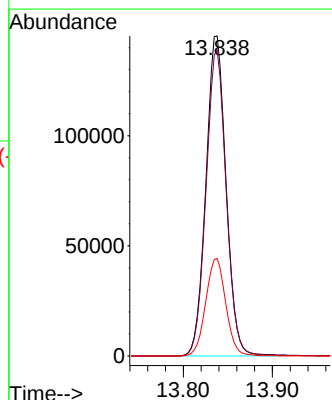
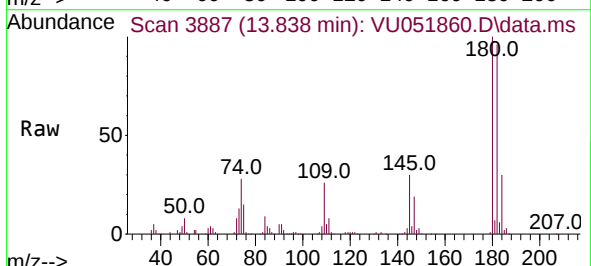
Tgt Ion:180 Resp: 228864

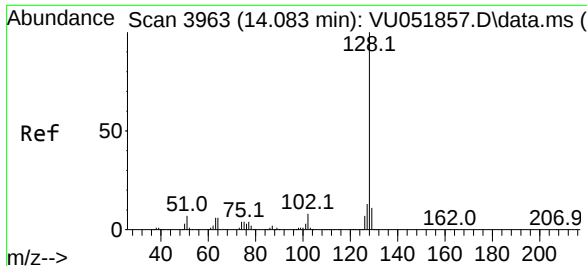
Ion Ratio Lower Upper

180 100

182 95.0 76.4 114.6

145 30.2 24.2 36.2

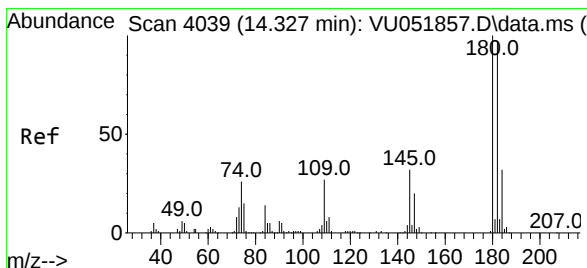
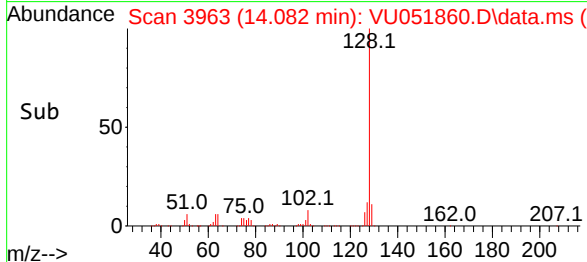
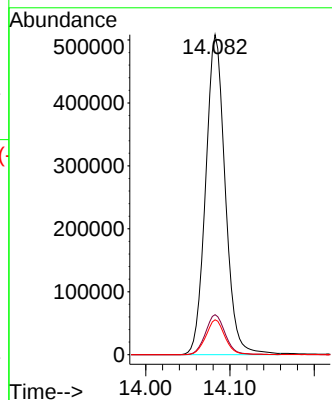
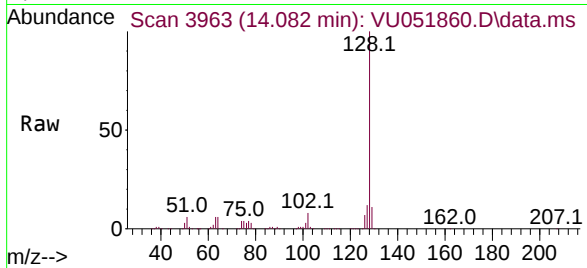




#71
Naphthalene
Concen: 57.078 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. -0.000 min
Lab File: VU051860.D
Acq: 15 Nov 2022 14:37

Instrument :
MSVOA_U
ClientSampleId :
VICV054

Tgt Ion:128 Resp: 820524
Ion Ratio Lower Upper
128 100
127 12.6 10.4 15.6
129 10.7 8.5 12.7



#72
1,2,3-Trichlorobenzene
Concen: 53.749 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. -0.000 min
Lab File: VU051860.D
Acq: 15 Nov 2022 14:37

Tgt Ion:180 Resp: 257141
Ion Ratio Lower Upper
180 100
182 96.1 76.9 115.3
145 31.8 24.9 37.3

