

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012623\
 Data File : VU052831.D
 Acq On : 26 Jan 2023 21:09
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 27 04:37:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 27 04:23:26 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	283932	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	270920	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	156180	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	86240	42.200	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.400%
7) Chloroethane-d5	1.906	69	73831	43.845	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.700%
11) 1,1-Dichloroethene-d2	2.565	63	179894	44.258	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.520%
21) 2-Butanone-d5	4.623	46	114826	90.955	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.960%
24) Chloroform-d	5.057	84	195974	44.933	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.860%
26) 1,2-Dichloroethane-d4	5.697	65	125258	44.978	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.960%
32) Benzene-d6	5.722	84	376985	45.546	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.100%
36) 1,2-Dichloropropane-d6	6.684	67	111302	45.850	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.700%
41) Toluene-d8	7.893	98	349245	46.337	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.680%
43) trans-1,3-Dichloroprop...	8.173	79	57765	47.476	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.960%
47) 2-Hexanone-d5	8.632	63	86600	101.528	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.530%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	165558	46.160	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.320%
66) 1,2-Dichlorobenzene-d4	12.188	152	142339	46.936	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.880%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	118592	44.605	ug/L	98
3) Chloromethane	1.520	50	97824	44.612	ug/L	99
5) Vinyl chloride	1.604	62	107594	44.353	ug/L	97
6) Bromomethane	1.854	94	72823	47.600	ug/L	97
8) Chloroethane	1.928	64	68915	45.230	ug/L	97
9) Trichlorofluoromethane	2.131	101	180493	44.422	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	100647	43.946	ug/L	99
12) 1,1-Dichloroethene	2.575	96	96903	46.135	ug/L	95
13) Acetone	2.629	43	90510	58.702	ug/L	97
14) Carbon disulfide	2.790	76	283200	44.642	ug/L	99
15) Methyl Acetate	2.944	43	95327	45.886	ug/L	98
16) Methylene chloride	3.041	84	109614	43.870	ug/L	98
17) trans-1,2-Dichloroethene	3.346	96	103153	45.445	ug/L	98
18) Methyl tert-butyl Ether	3.356	73	322144	48.265	ug/L	100
19) 1,1-Dichloroethane	3.864	63	183653	46.134	ug/L	96
20) cis-1,2-Dichloroethene	4.658	96	114475	47.236	ug/L	96
22) 2-Butanone	4.700	43	137894	83.671	ug/L	100
23) Bromochloromethane	4.970	128	62478	45.909	ug/L	98
25) Chloroform	5.083	83	204933	45.857	ug/L	99

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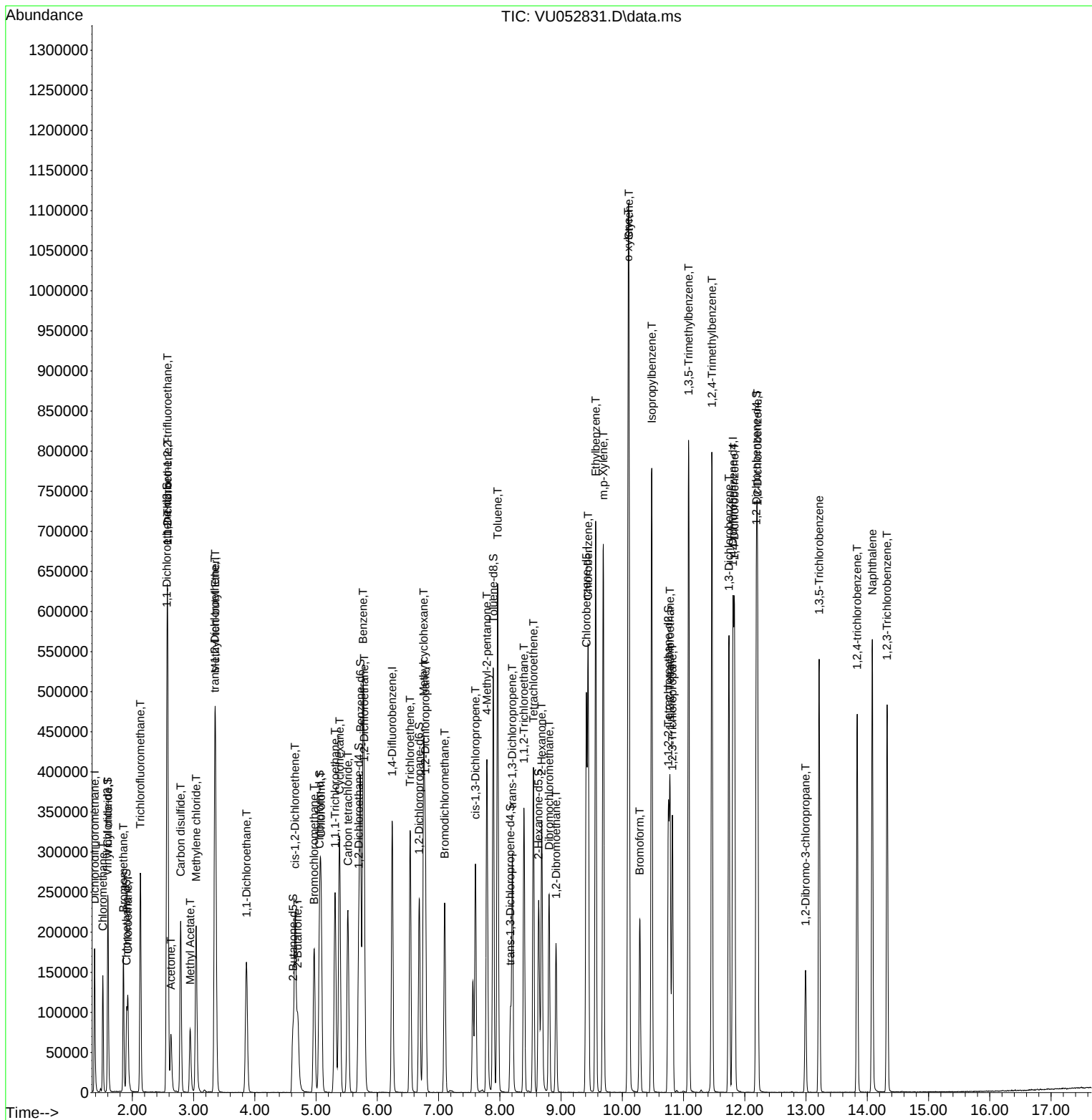
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 ClientSampleId :

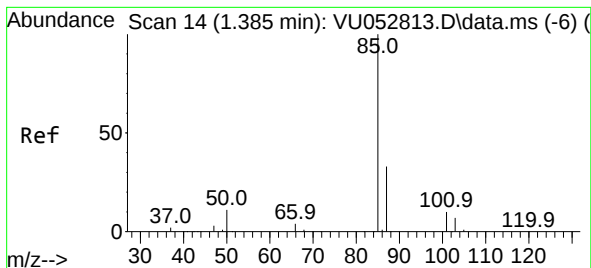
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 Quant Title : VOC Analysis
 QLast Update : Fri Jan 27 04:23:26 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	161800	45.734	ug/L	99
29) Cyclohexane	5.385	56	157252	48.982	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	186726	46.857	ug/L	100
31) Carbon tetrachloride	5.520	117	162742	47.110	ug/L	100
33) Benzene	5.767	78	441309	47.853	ug/L	100
34) Trichloroethene	6.536	95	109080	46.536	ug/L	96
35) Methylcyclohexane	6.758	83	173618	46.798	ug/L	99
37) 1,2-Dichloropropane	6.784	63	106475	46.961	ug/L	100
38) Bromodichloromethane	7.099	83	155358	46.694	ug/L	99
39) cis-1,3-Dichloropropene	7.603	75	166547	46.893	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	266993	99.953	ug/L	100
42) Toluene	7.964	91	460734	48.747	ug/L	98
44) trans-1,3-Dichloropropene	8.205	75	169405	48.535	ug/L	100
45) 1,1,2-Trichloroethane	8.394	97	108872	46.957	ug/L	97
46) Tetrachloroethene	8.549	164	91925	45.544	ug/L	93
48) 2-Hexanone	8.684	43	209555	92.733	ug/L	98
49) Dibromochloromethane	8.806	129	132845	47.912	ug/L	99
50) 1,2-Dibromoethane	8.918	107	119067	47.714	ug/L	100
51) Chlorobenzene	9.443	112	307093	47.226	ug/L	98
52) Ethylbenzene	9.565	91	494933	49.000	ug/L	99
53) m,p-Xylene	9.690	106	203507	49.769	ug/L	99
54) o-xylene	10.095	106	197397	50.568	ug/L	95
55) Styrene	10.108	104	340296	50.801	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	182077	48.525	ug/L	100
59) Bromoform	10.285	173	100860	47.127	ug/L	97
60) 1,2,3-Trichloropropane	10.819	75	141988	46.868	ug/L	98
61) Isopropylbenzene	10.481	105	505244	50.089	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	435321	51.831	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	428164	52.683	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	242080	47.568	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	243511	46.221	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	247824	48.145	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.992	75	39903	45.951	ug/L	97
69) 1,3,5-Trichlorobenzene	13.214	180	175799	46.662	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	148567	47.034	ug/L	98
71) Naphthalene	14.082	128	452979	49.903	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	157199	47.091	ug/L	99

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

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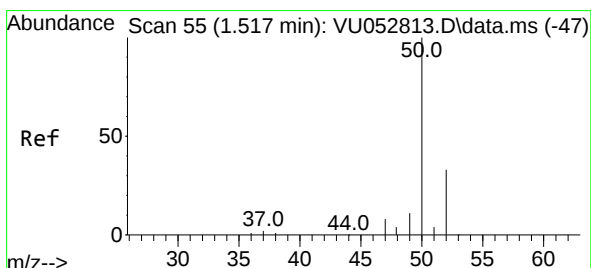
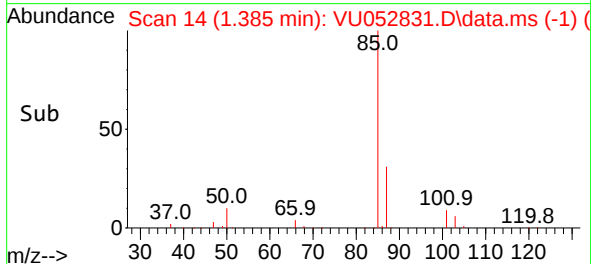
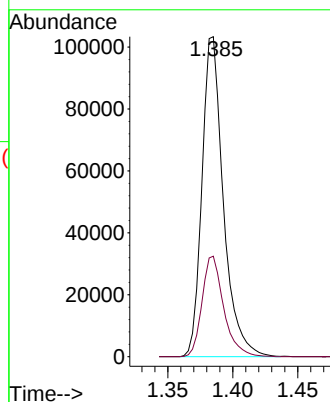
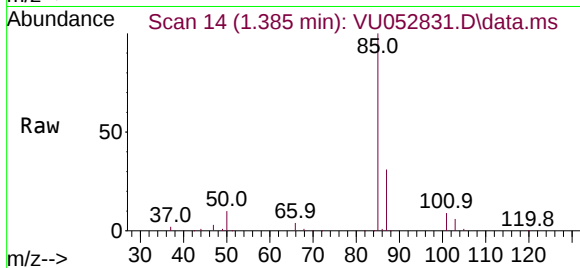




#2
Dichlorodifluoromethane
Concen: 44.605 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU052831.D
Acq: 26 Jan 2023 21:09

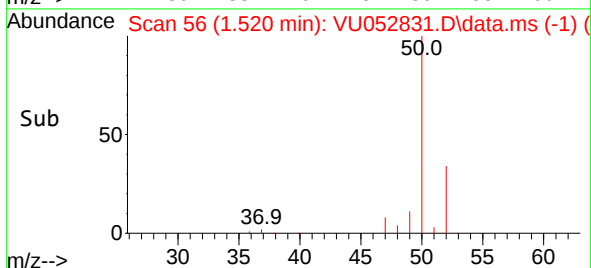
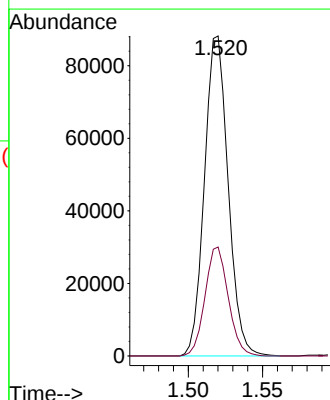
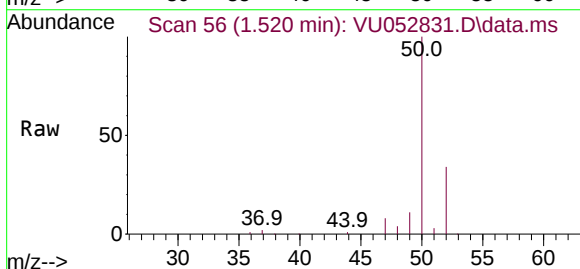
Instrument :
MSVOA_U
ClientSampleId :

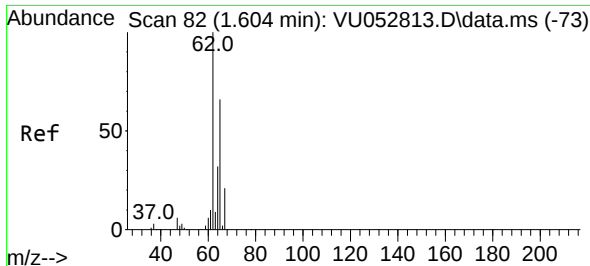
Tgt Ion: 85 Resp: 118592
Ion Ratio Lower Upper
85 100
87 31.8 26.4 39.6



#3
Chloromethane
Concen: 44.612 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.003 min
Lab File: VU052831.D
Acq: 26 Jan 2023 21:09

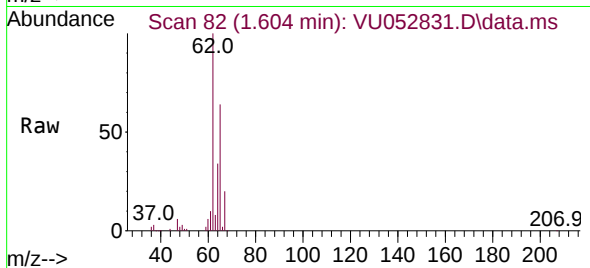
Tgt Ion: 50 Resp: 97824
Ion Ratio Lower Upper
50 100
52 34.1 23.4 43.4



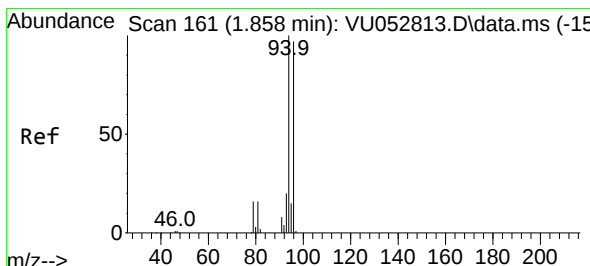
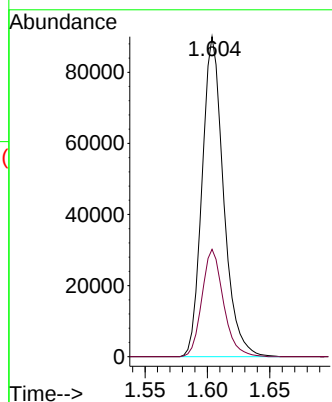
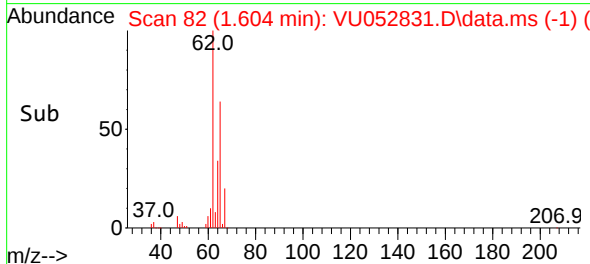


#5
 Vinyl chloride
 Concen: 44.353 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU052813.D
 Acq: 26 Jan 2023 21:09

Instrument :
 MSVOA_U
 ClientSampleId :

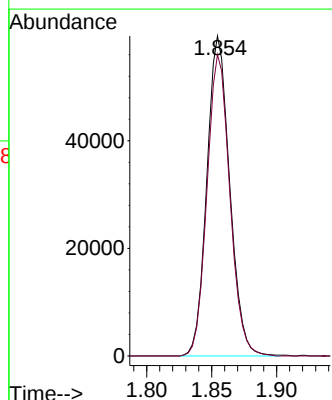
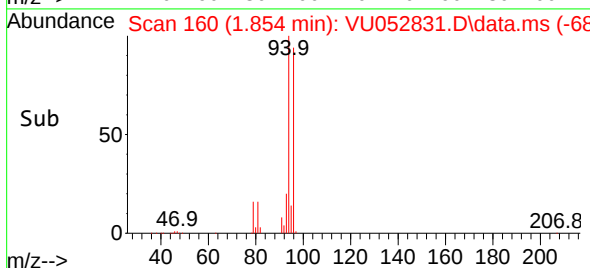
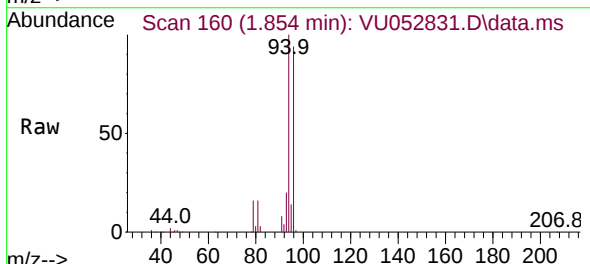


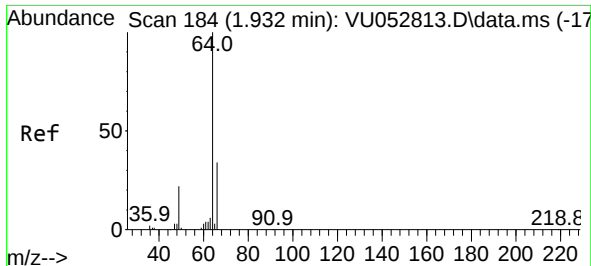
Tgt Ion: 62 Resp: 107594
 Ion Ratio Lower Upper
 62 100
 64 33.5 22.4 41.6



#6
 Bromomethane
 Concen: 47.600 ug/L
 RT: 1.854 min Scan# 160
 Delta R.T. -0.004 min
 Lab File: VU052813.D
 Acq: 26 Jan 2023 21:09

Tgt Ion: 94 Resp: 72823
 Ion Ratio Lower Upper
 94 100
 96 94.2 67.8 125.8

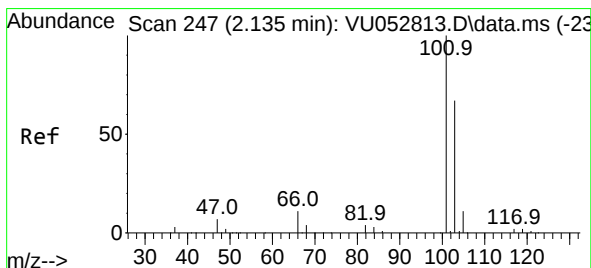
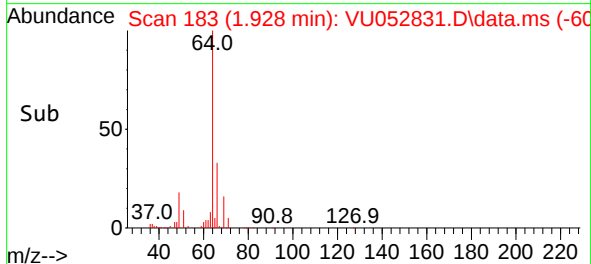
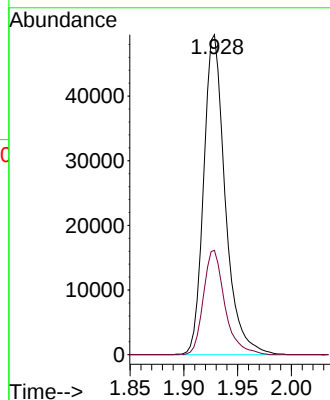
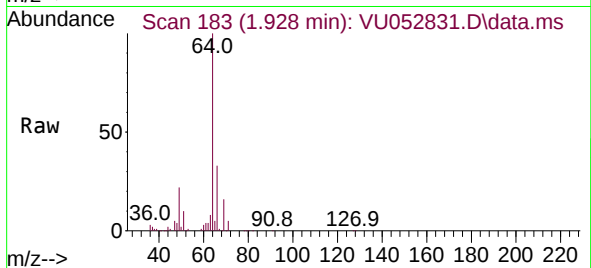




#8
Chloroethane
Concen: 45.230 ug/L
RT: 1.928 min Scan# 184
Delta R.T. -0.004 min
Lab File: VU052831.D
Acq: 26 Jan 2023 21:09

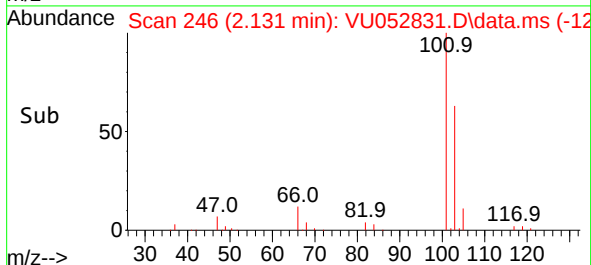
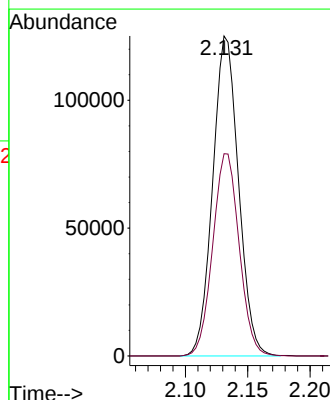
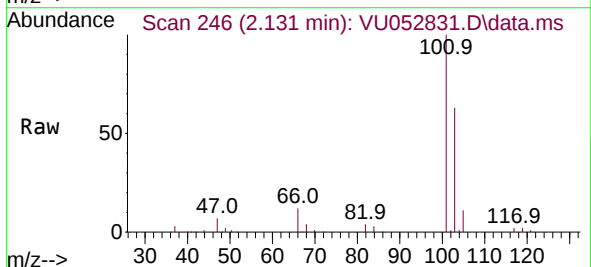
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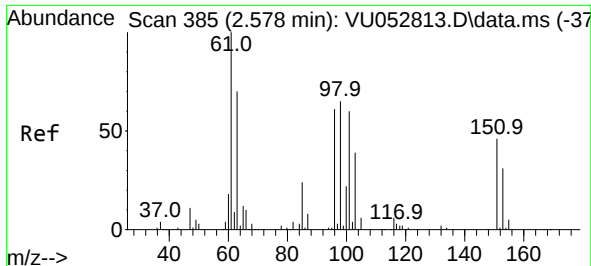
Tgt Ion: 64 Resp: 68915
Ion Ratio Lower Upper
64 100
66 32.6 24.1 44.7



#9
Trichlorofluoromethane
Concen: 44.422 ug/L
RT: 2.131 min Scan# 246
Delta R.T. -0.004 min
Lab File: VU052831.D
Acq: 26 Jan 2023 21:09

Tgt Ion:101 Resp: 180493
Ion Ratio Lower Upper
101 100
103 64.7 52.0 78.0

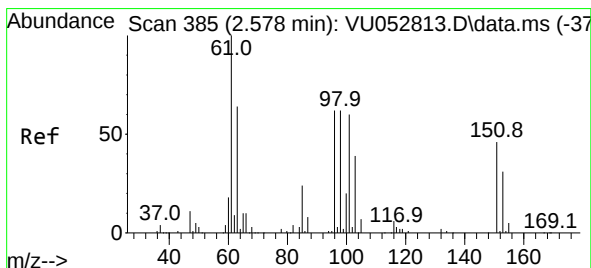
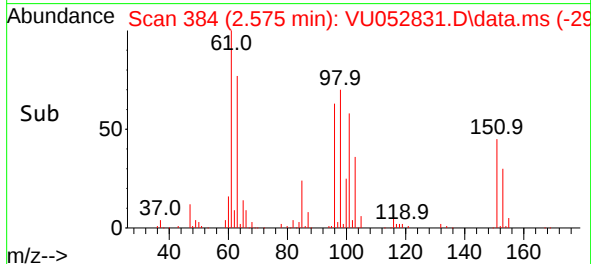
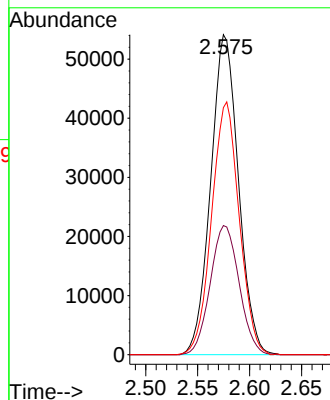
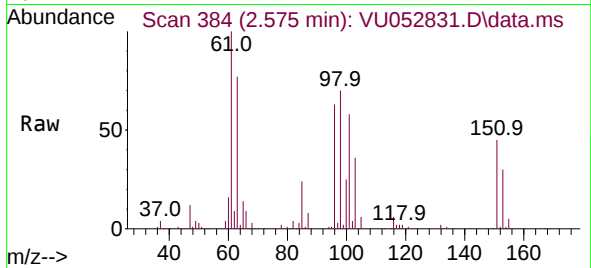




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 43.946 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.004 min
 Lab File: VU052831.D
 Acq: 26 Jan 2023 21:09

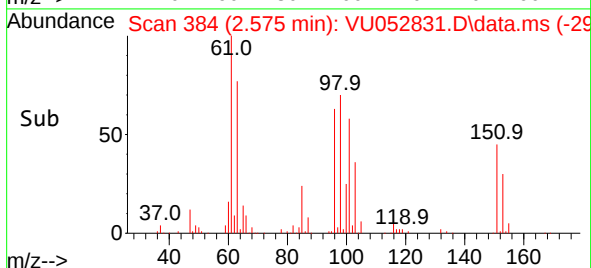
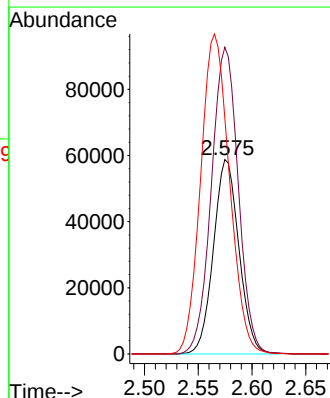
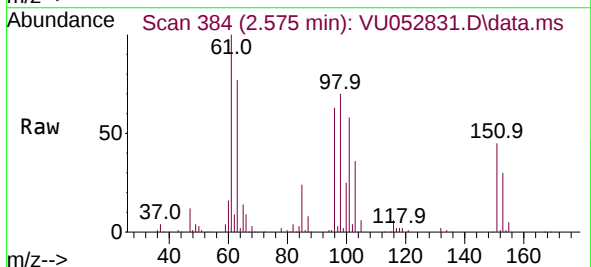
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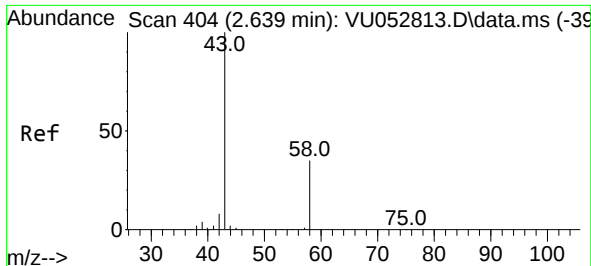
Tgt Ion:101 Resp: 100647
 Ion Ratio Lower Upper
 101 100
 85 42.0 32.9 49.3
 151 78.5 62.6 94.0



#12
 1,1-Dichloroethene
 Concen: 46.135 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU052831.D
 Acq: 26 Jan 2023 21:09

Tgt Ion: 96 Resp: 96903
 Ion Ratio Lower Upper
 96 100
 61 157.8 114.3 212.3
 63 121.4 80.6 149.6





#13

Acetone

Concen: 58.702 ug/L

RT: 2.629 min Scan# 401

Delta R.T. -0.010 min

Lab File: VU052831.D

Acq: 26 Jan 2023 21:09

Instrument :

MSVOA_U

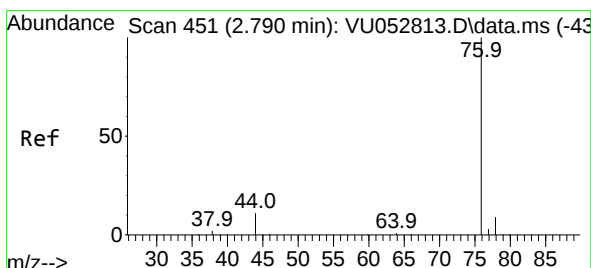
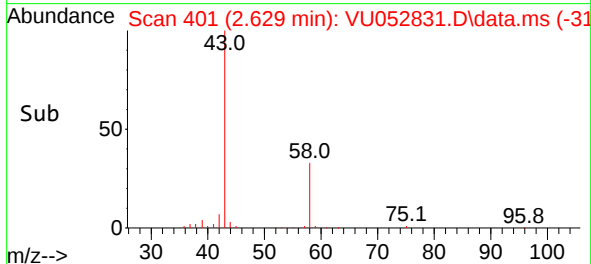
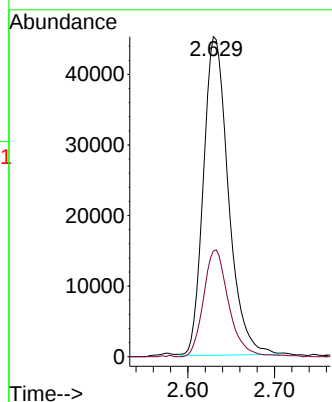
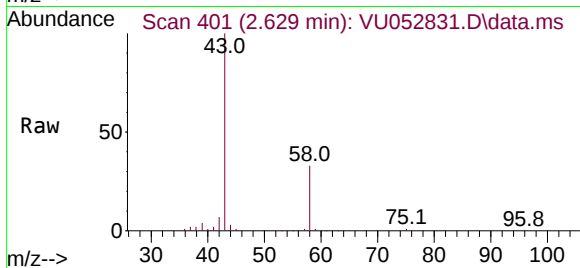
ClientSampleId :

Tgt Ion: 43 Resp: 90510

Ion Ratio Lower Upper

43 100

58 33.5 0.0 70.2



#14

Carbon disulfide

Concen: 44.642 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU052831.D

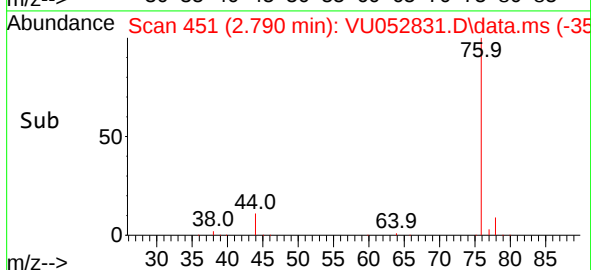
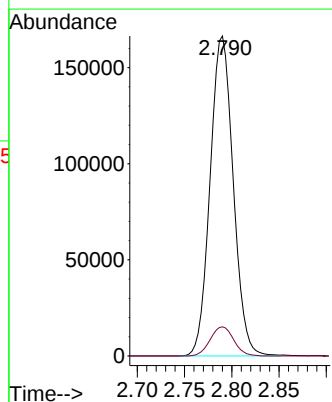
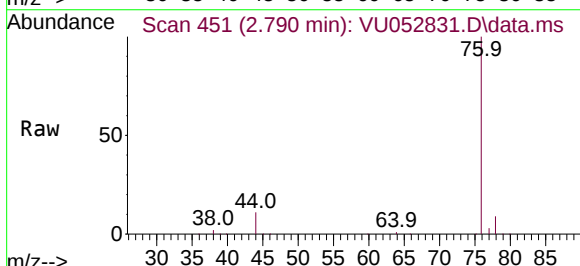
Acq: 26 Jan 2023 21:09

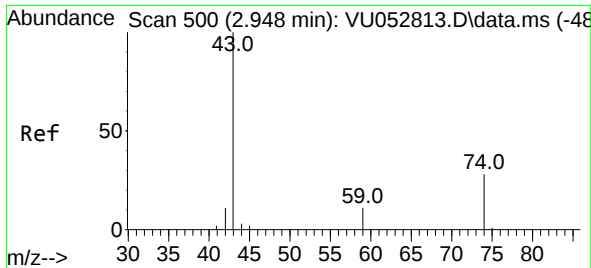
Tgt Ion: 76 Resp: 283200

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7

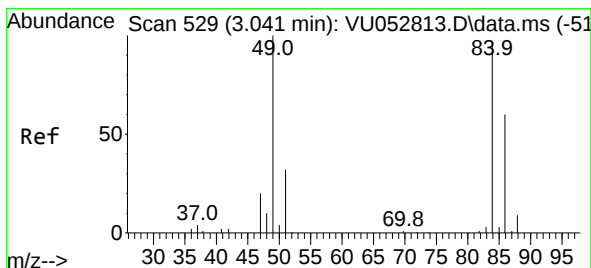
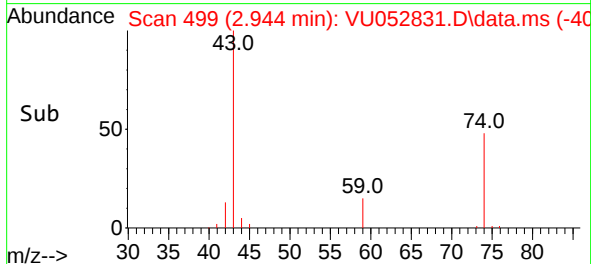
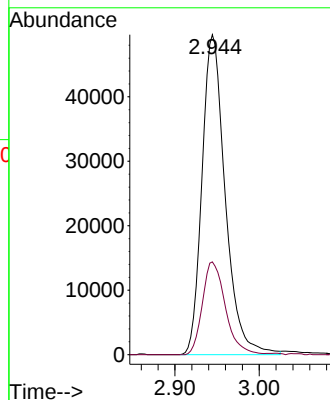
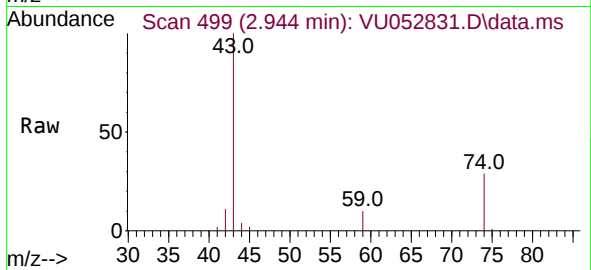




#15
Methyl Acetate
Concen: 45.886 ug/L
RT: 2.944 min Scan# 499
Delta R.T. -0.004 min
Lab File: VU052831.D
Acq: 26 Jan 2023 21:09

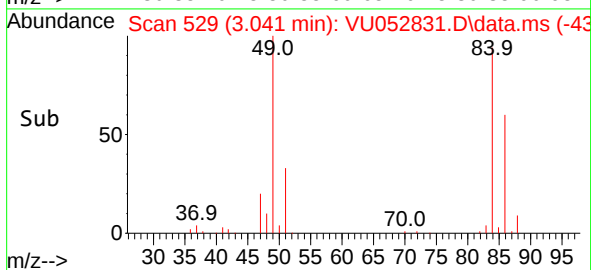
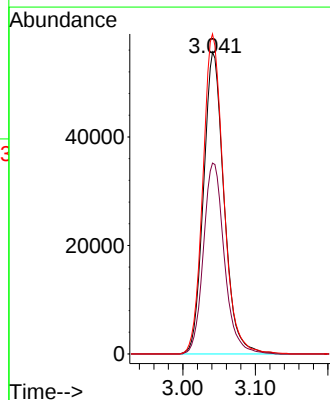
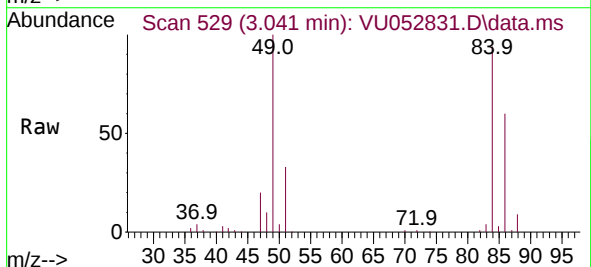
Instrument :
MSVOA_U
ClientSampleId :

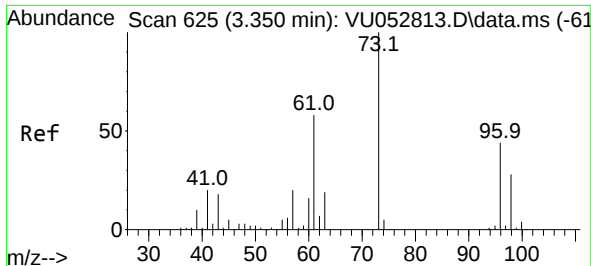
Tgt Ion: 43 Resp: 95327
Ion Ratio Lower Upper
43 100
74 28.7 22.0 33.0



#16
Methylene chloride
Concen: 43.870 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU052831.D
Acq: 26 Jan 2023 21:09

Tgt Ion: 84 Resp: 109614
Ion Ratio Lower Upper
84 100
86 63.3 43.4 80.6
49 106.1 72.4 134.5

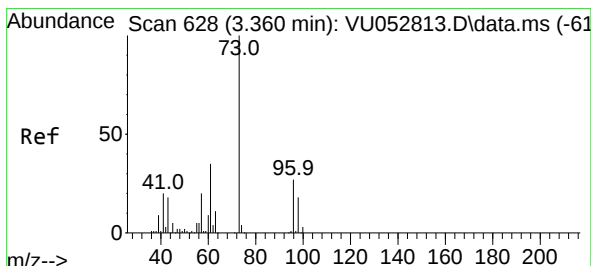
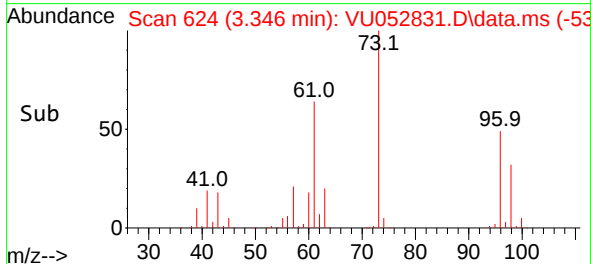
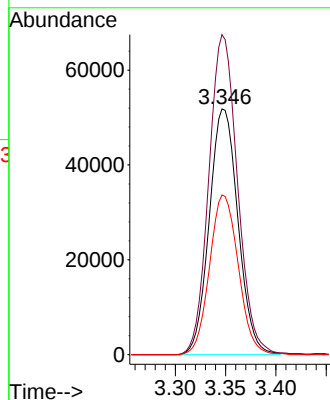
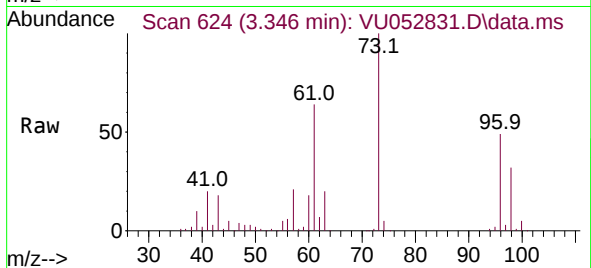




#17
trans-1,2-Dichloroethene
Concen: 45.445 ug/L
RT: 3.346 min Scan# 61
Delta R.T. -0.004 min
Lab File: VU052831.D
Acq: 26 Jan 2023 21:09

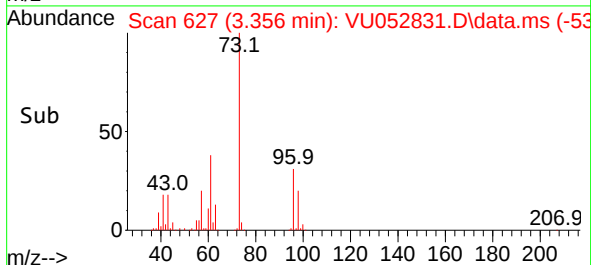
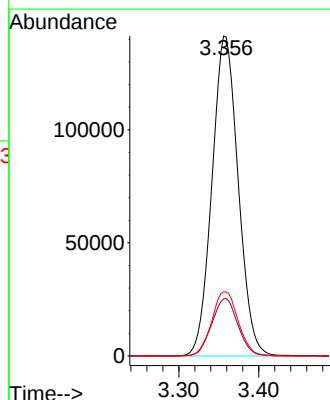
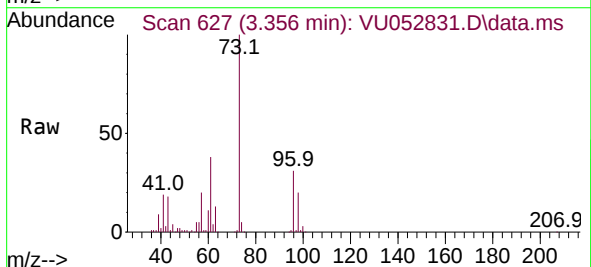
Instrument :
MSVOA_U
ClientSampleId :

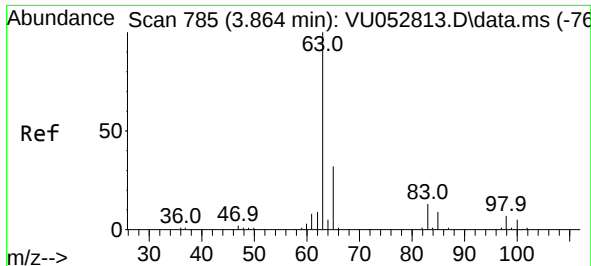
Tgt Ion: 96 Resp: 103153
Ion Ratio Lower Upper
96 100
61 130.2 92.7 172.3
98 65.0 44.7 82.9



#18
Methyl tert-butyl Ether
Concen: 48.265 ug/L
RT: 3.356 min Scan# 627
Delta R.T. -0.004 min
Lab File: VU052831.D
Acq: 26 Jan 2023 21:09

Tgt Ion: 73 Resp: 322144
Ion Ratio Lower Upper
73 100
43 17.8 14.2 21.2
57 20.3 16.3 24.5

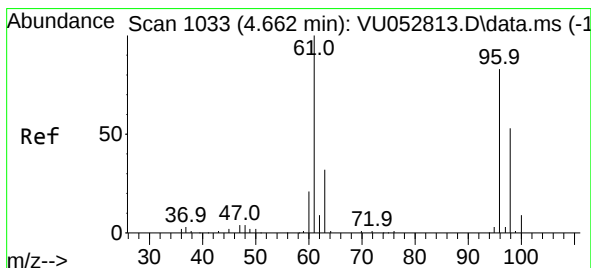
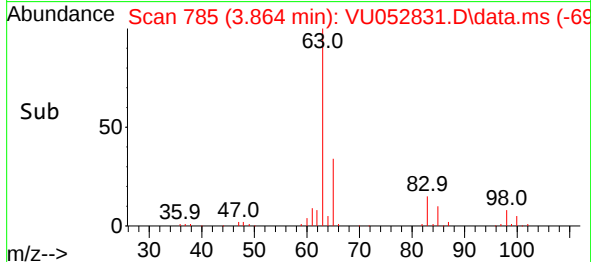
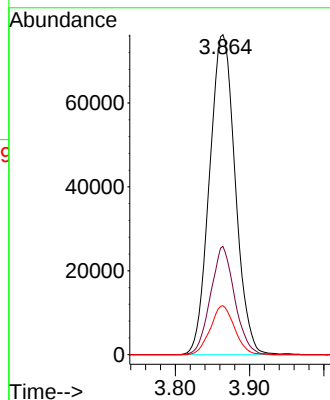
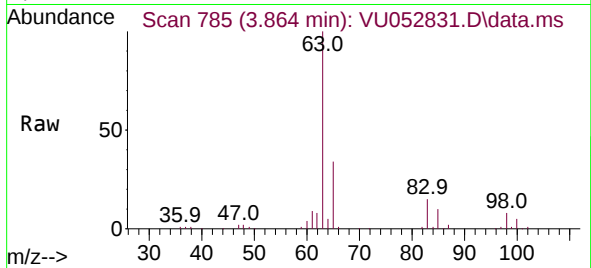




#19
1,1-Dichloroethane
Concen: 46.134 ug/L
RT: 3.864 min Scan# 785
Delta R.T. -0.000 min
Lab File: VU052813.D
Acq: 26 Jan 2023 21:09

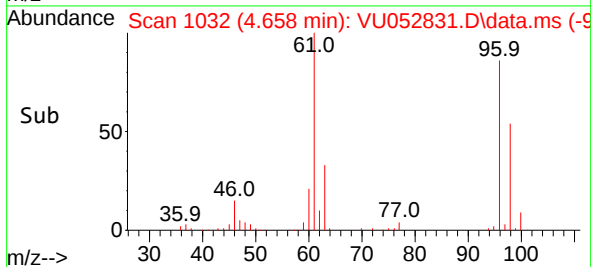
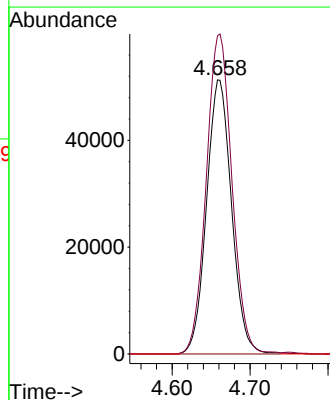
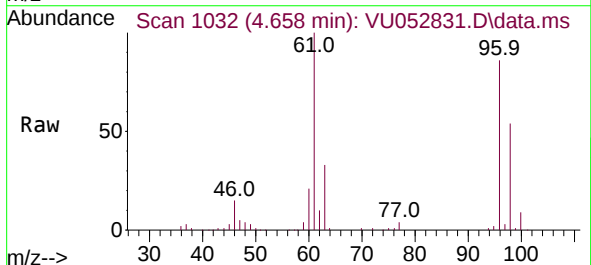
Instrument :
MSVOA_U
ClientSampleId :

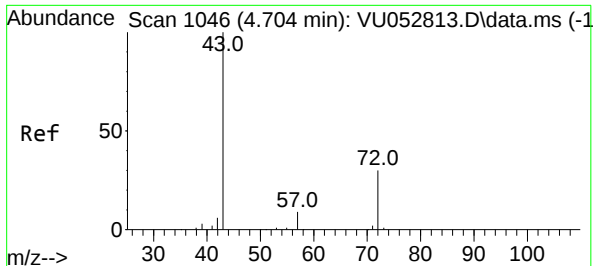
Tgt Ion: 63 Resp: 183653
Ion Ratio Lower Upper
63 100
65 33.9 22.4 41.6
83 15.3 9.2 17.2



#20
cis-1,2-Dichloroethene
Concen: 47.236 ug/L
RT: 4.658 min Scan# 1032
Delta R.T. -0.004 min
Lab File: VU052813.D
Acq: 26 Jan 2023 21:09

Tgt Ion: 96 Resp: 114475
Ion Ratio Lower Upper
96 100
61 116.1 84.1 156.1
68 0.0 0.0 0.0





#22

2-Butanone

Concen: 83.671 ug/L

RT: 4.700 min Scan# 1046

Delta R.T. -0.004 min

Lab File: VU052831.D

Acq: 26 Jan 2023 21:09

Instrument :

MSVOA_U

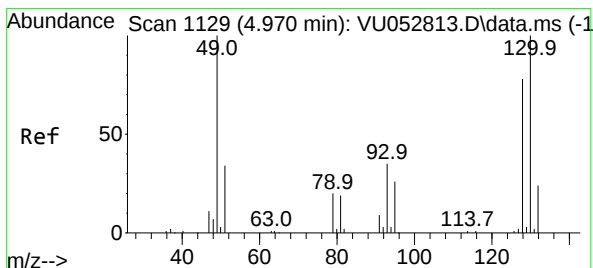
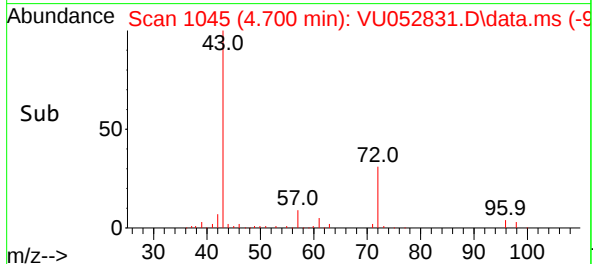
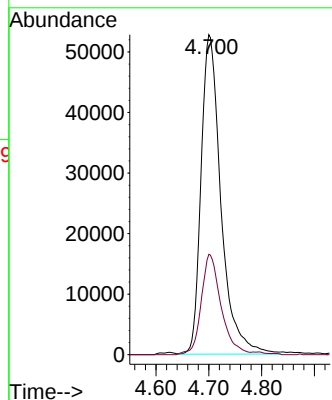
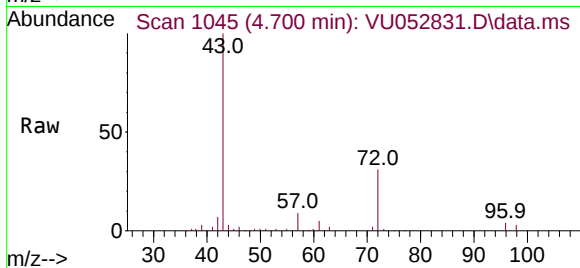
ClientSampleId :

Tgt Ion: 43 Resp: 137894

Ion Ratio Lower Upper

43 100

72 31.2 15.5 46.5



#23

Bromochloromethane

Concen: 45.909 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VU052831.D

Acq: 26 Jan 2023 21:09

Tgt Ion:128 Resp: 62478

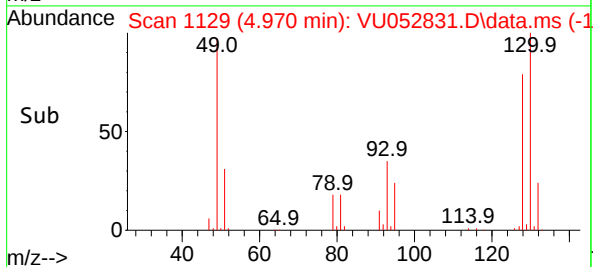
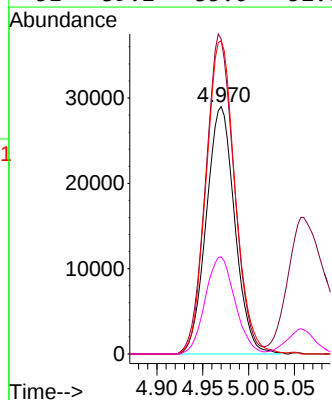
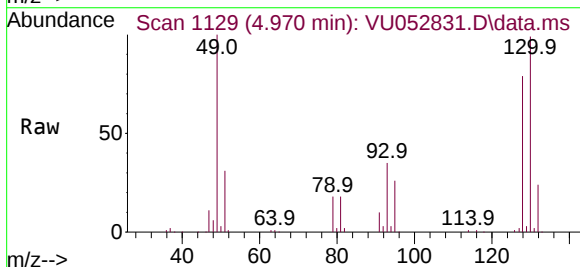
Ion Ratio Lower Upper

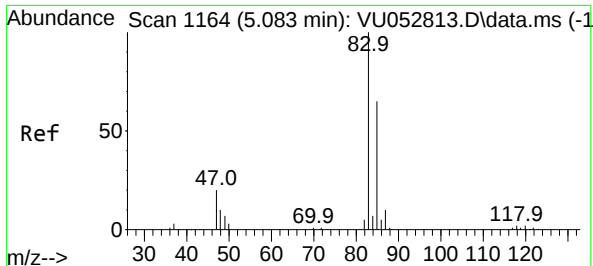
128 100

49 127.2 90.1 167.3

130 126.5 90.1 167.3

51 39.2 35.0 52.6





#25

Chloroform

Concen: 45.857 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU052831.D

Acq: 26 Jan 2023 21:09

Instrument :

MSVOA_U

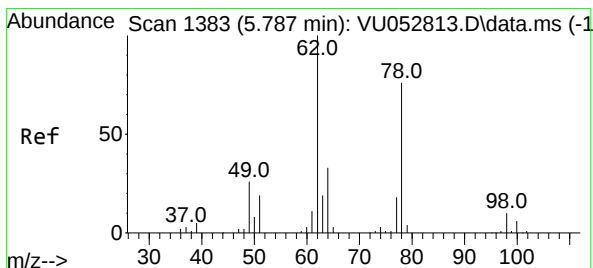
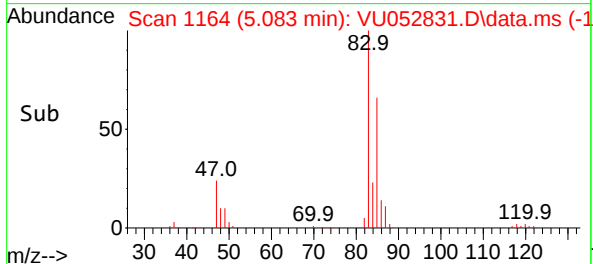
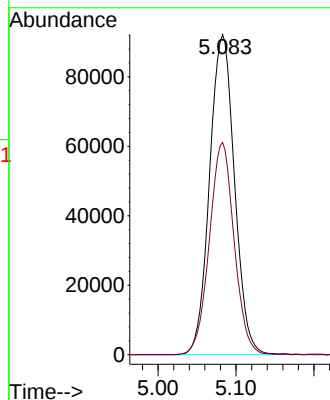
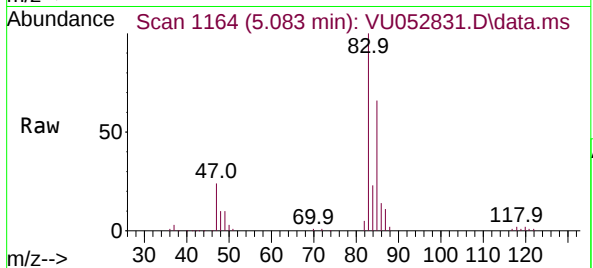
ClientSampleId :

Tgt Ion: 83 Resp: 204933

Ion Ratio Lower Upper

83 100

85 66.3 45.8 85.0



#27

1,2-Dichloroethane

Concen: 45.734 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VU052831.D

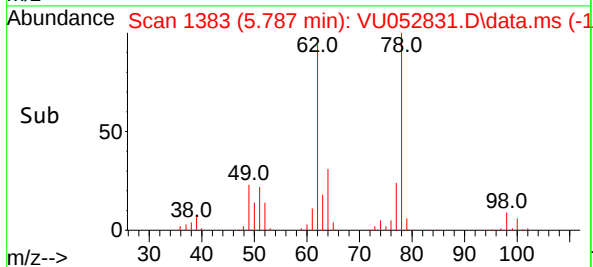
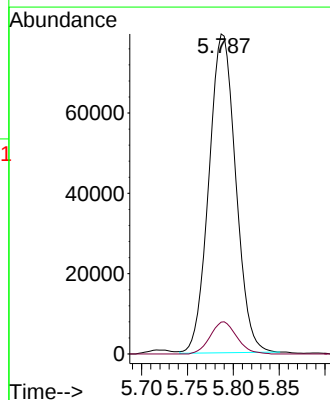
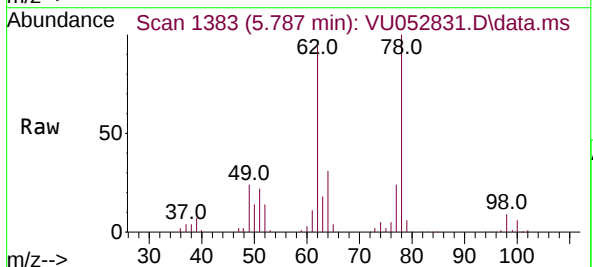
Acq: 26 Jan 2023 21:09

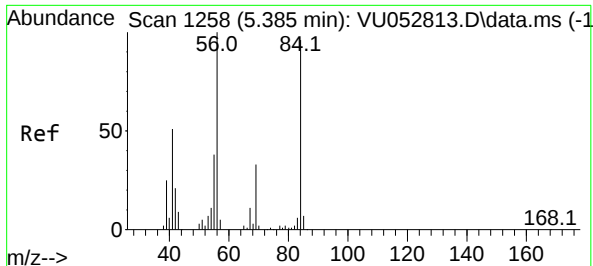
Tgt Ion: 62 Resp: 161800

Ion Ratio Lower Upper

62 100

98 9.9 7.6 11.4





#29

Cyclohexane

Concen: 48.982 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.000 min

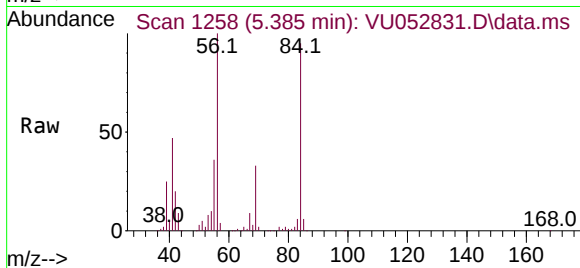
Lab File: VU052831.D

Acq: 26 Jan 2023 21:09

Instrument :

MSVOA_U

ClientSampleId :



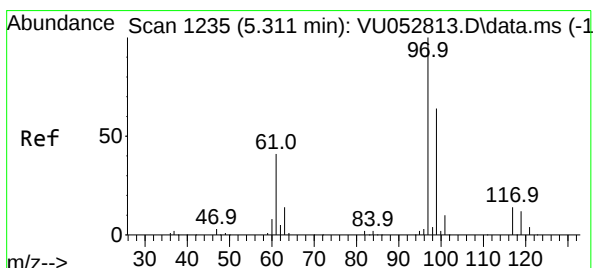
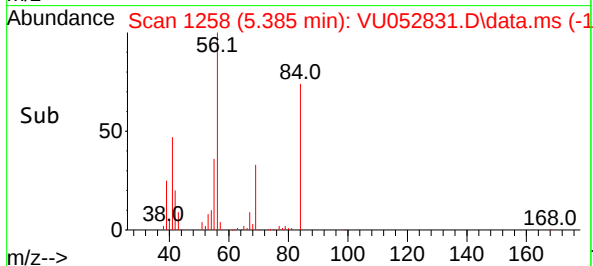
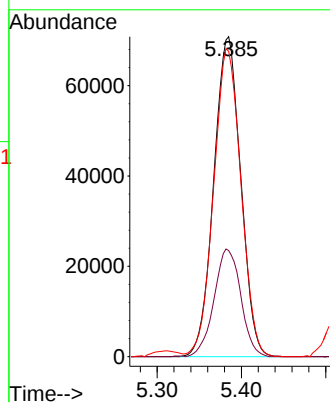
Tgt Ion: 56 Resp: 157252

Ion Ratio Lower Upper

56 100

69 33.4 26.6 40.0

84 97.6 77.0 115.4



#30

1,1,1-Trichloroethane

Concen: 46.857 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.000 min

Lab File: VU052831.D

Acq: 26 Jan 2023 21:09

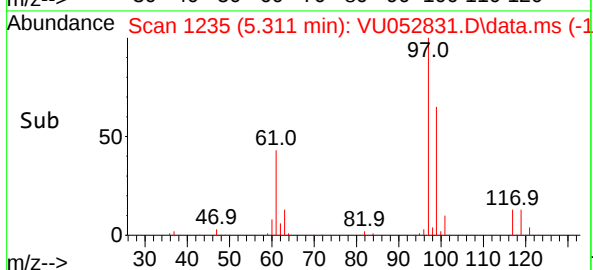
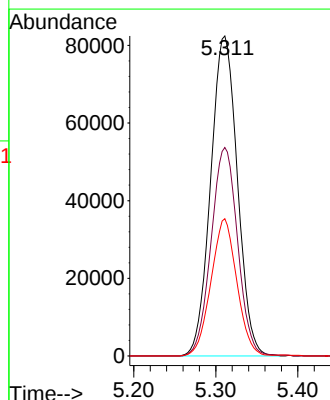
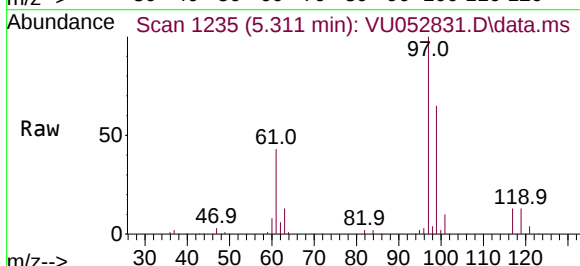
Tgt Ion: 97 Resp: 186726

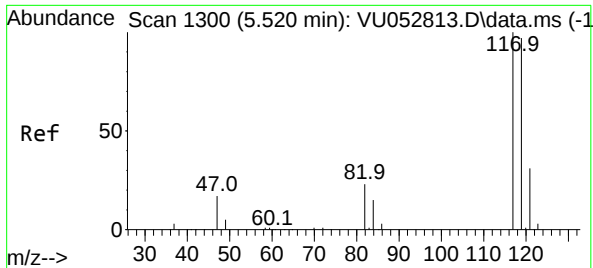
Ion Ratio Lower Upper

97 100

99 64.6 51.4 77.0

61 41.5 33.0 49.6

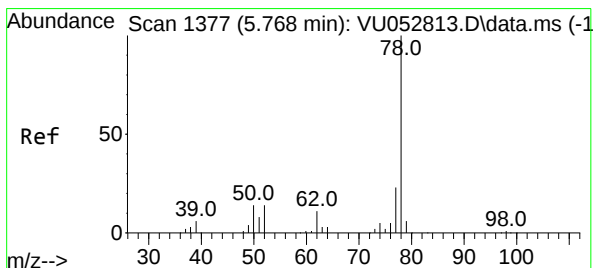
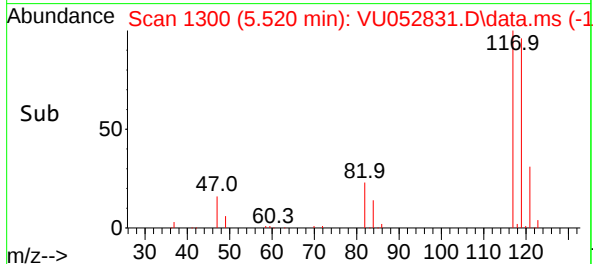
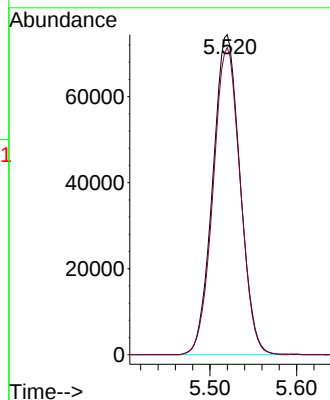
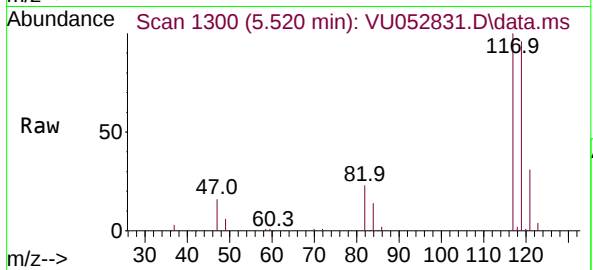




#31
Carbon tetrachloride
Concen: 47.110 ug/L
RT: 5.520 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU052831.D
Acq: 26 Jan 2023 21:09

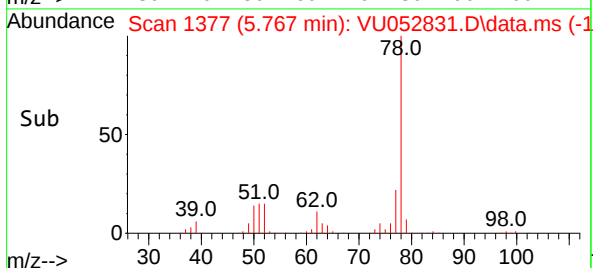
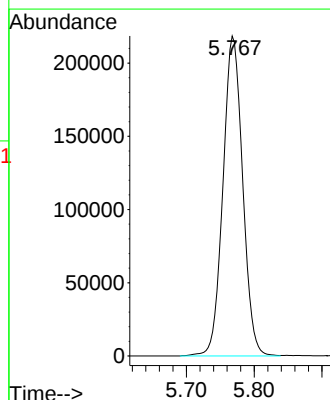
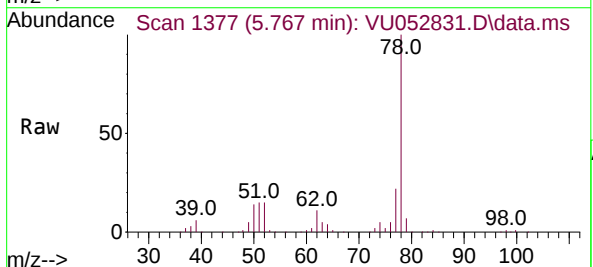
Instrument :
MSVOA_U
ClientSampleId :

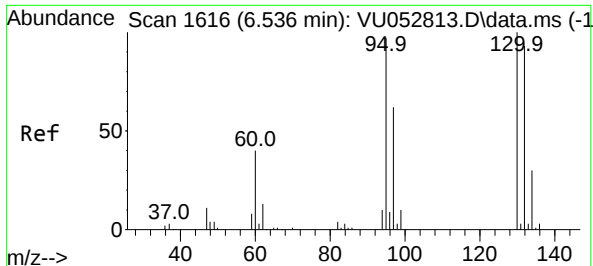
Tgt Ion:117 Resp: 162742
Ion Ratio Lower Upper
117 100
119 95.6 76.2 114.4



#33
Benzene
Concen: 47.853 ug/L
RT: 5.767 min Scan# 1377
Delta R.T. -0.000 min
Lab File: VU052831.D
Acq: 26 Jan 2023 21:09

Tgt Ion: 78 Resp: 441309

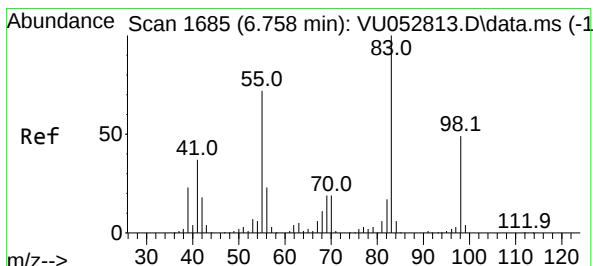
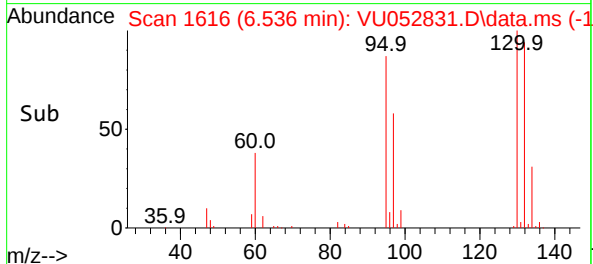
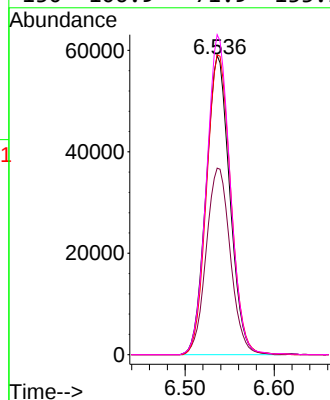
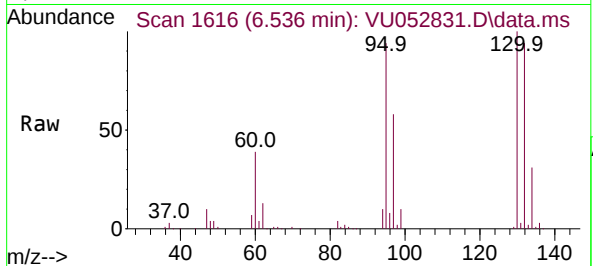




#34
Trichloroethene
Concen: 46.536 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.000 min
Lab File: VU052831.D
Acq: 26 Jan 2023 21:09

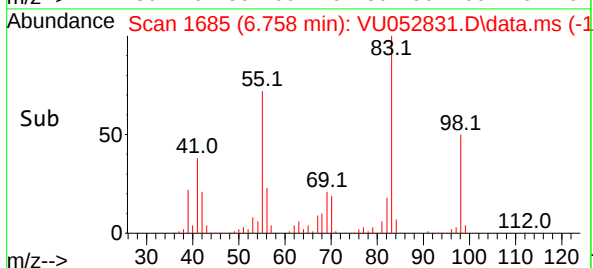
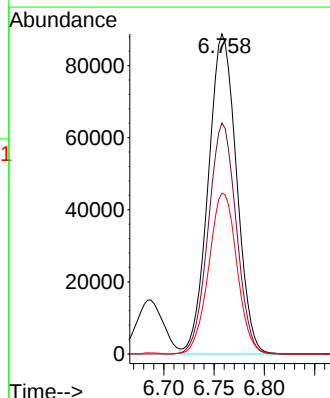
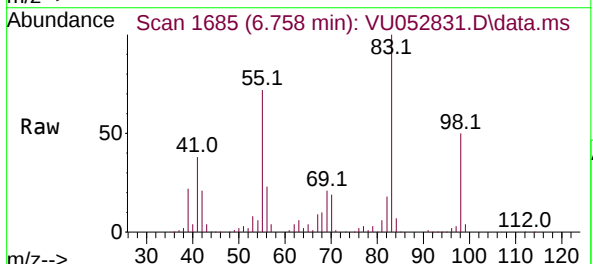
Instrument :
MSVOA_U
ClientSampleId :

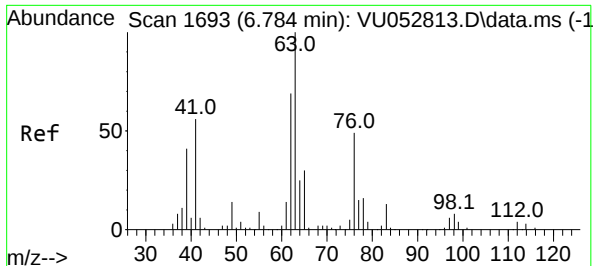
Tgt Ion: 95 Resp: 109080
Ion Ratio Lower Upper
95 100
97 62.4 44.5 82.7
132 100.3 66.8 124.0
130 106.9 71.9 133.5



#35
Methylcyclohexane
Concen: 46.798 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VU052831.D
Acq: 26 Jan 2023 21:09

Tgt Ion: 83 Resp: 173618
Ion Ratio Lower Upper
83 100
55 71.3 57.1 85.7
98 50.2 38.9 58.3





#37

1,2-Dichloropropane

Concen: 46.961 ug/L

RT: 6.784 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU052831.D

Acq: 26 Jan 2023 21:09

Instrument :

MSVOA_U

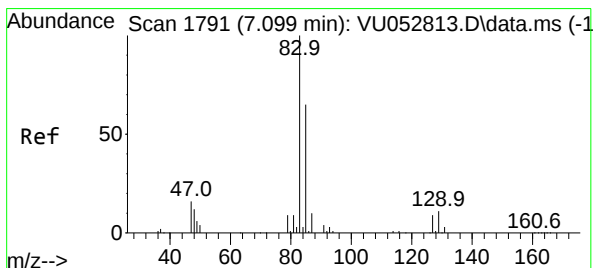
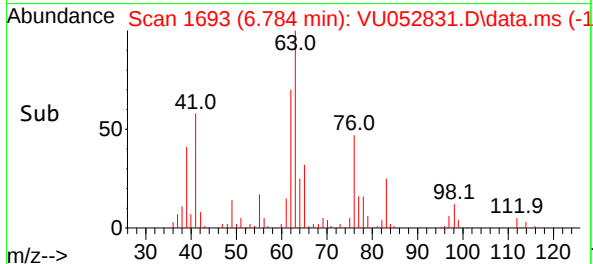
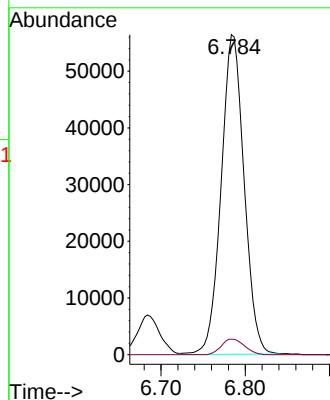
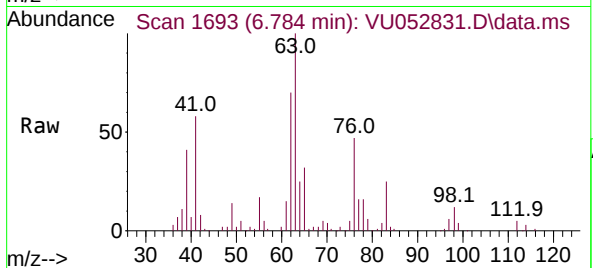
ClientSampleId :

Tgt Ion: 63 Resp: 106475

Ion Ratio Lower Upper

63 100

112 4.9 3.8 5.8



#38

Bromodichloromethane

Concen: 46.694 ug/L

RT: 7.099 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VU052831.D

Acq: 26 Jan 2023 21:09

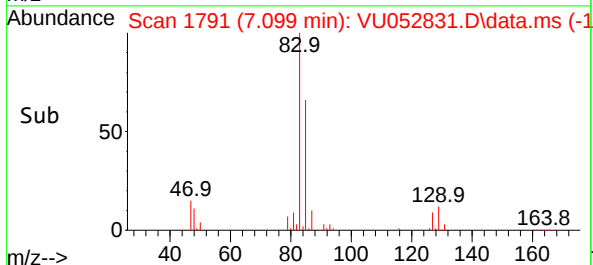
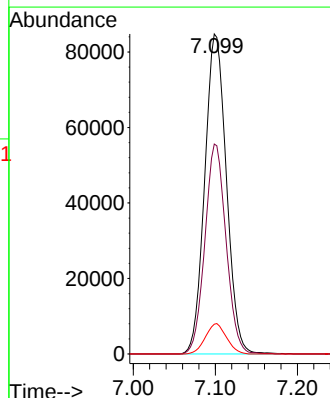
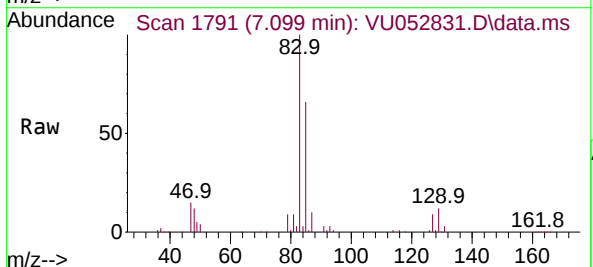
Tgt Ion: 83 Resp: 155358

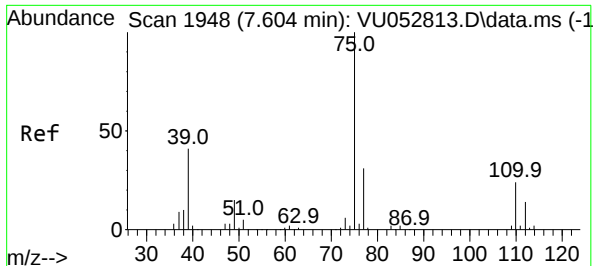
Ion Ratio Lower Upper

83 100

85 65.6 45.2 84.0

127 9.3 7.4 11.0





#39

cis-1,3-Dichloropropene

Concen: 46.893 ug/L

RT: 7.603 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU052831.D

Acq: 26 Jan 2023 21:09

Instrument :

MSVOA_U

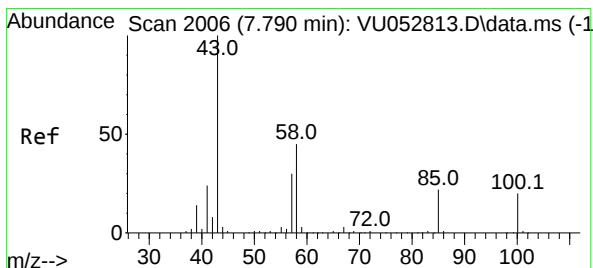
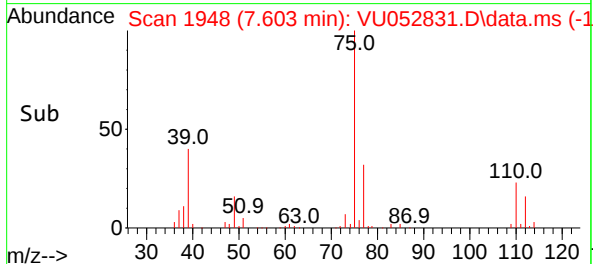
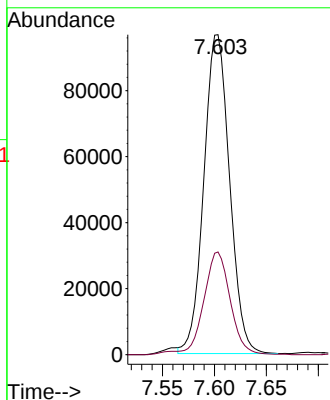
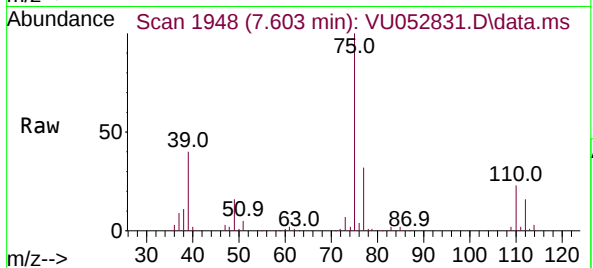
ClientSampleId :

Tgt Ion: 75 Resp: 166547

Ion Ratio Lower Upper

75 100

77 32.1 21.6 40.0



#40

4-Methyl-2-pentanone

Concen: 99.953 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU052831.D

Acq: 26 Jan 2023 21:09

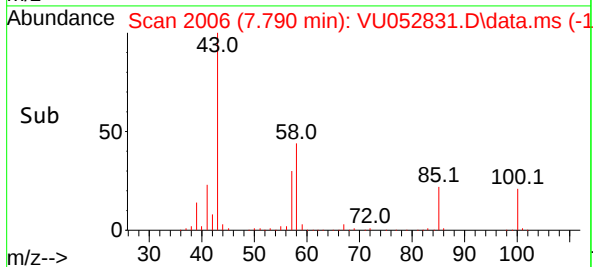
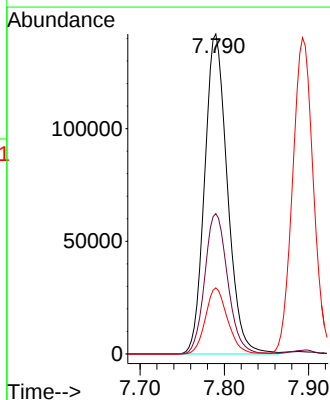
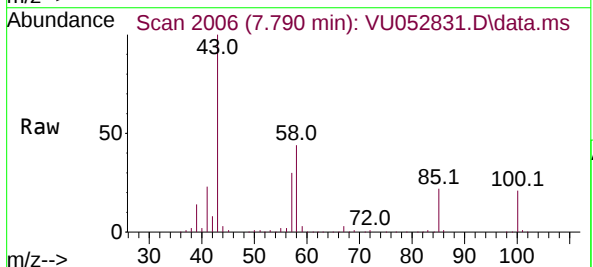
Tgt Ion: 43 Resp: 266993

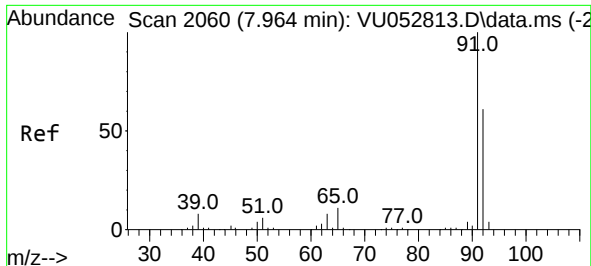
Ion Ratio Lower Upper

43 100

58 44.3 35.4 53.2

100 20.1 16.0 24.0





#42

Toluene

Concen: 48.747 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. -0.000 min

Lab File: VU052831.D

Acq: 26 Jan 2023 21:09

Instrument :

MSVOA_U

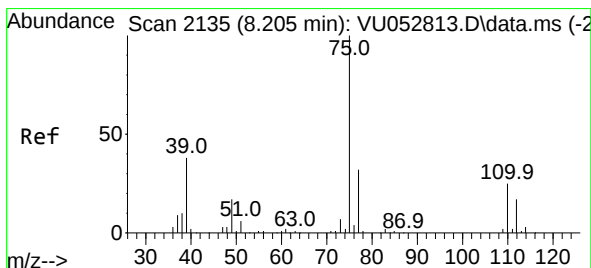
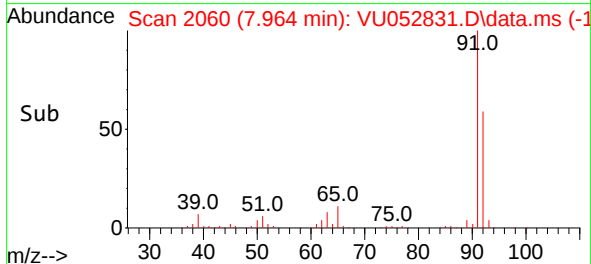
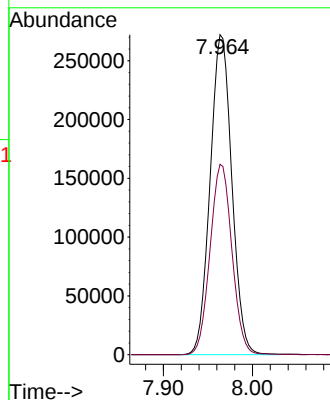
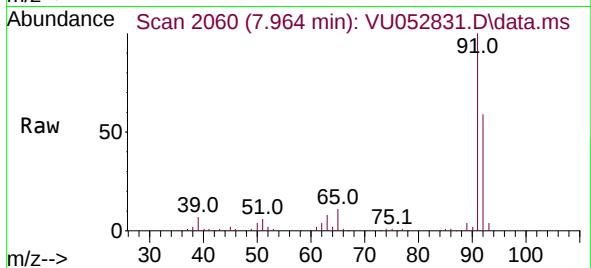
ClientSampleId :

Tgt Ion: 91 Resp: 460734

Ion Ratio Lower Upper

91 100

92 59.5 42.6 79.0



#44

trans-1,3-Dichloropropene

Concen: 48.535 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VU052831.D

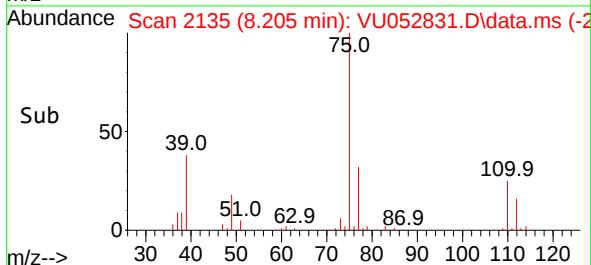
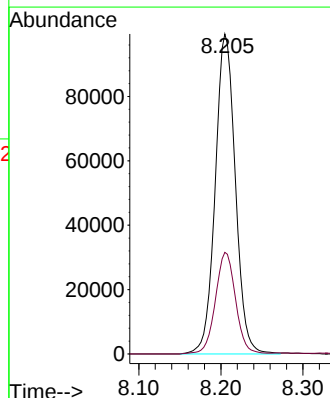
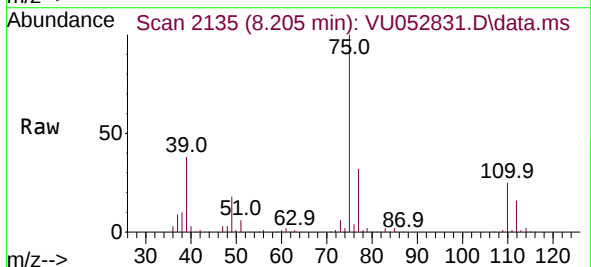
Acq: 26 Jan 2023 21:09

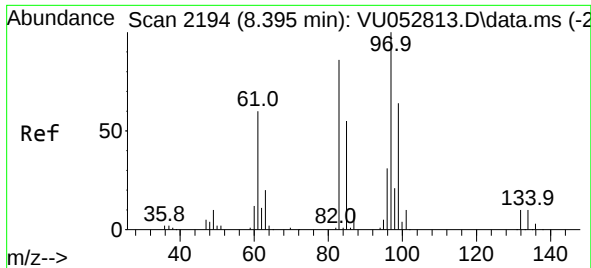
Tgt Ion: 75 Resp: 169405

Ion Ratio Lower Upper

75 100

77 31.8 22.3 41.3



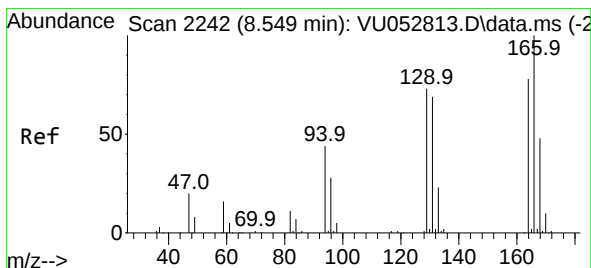
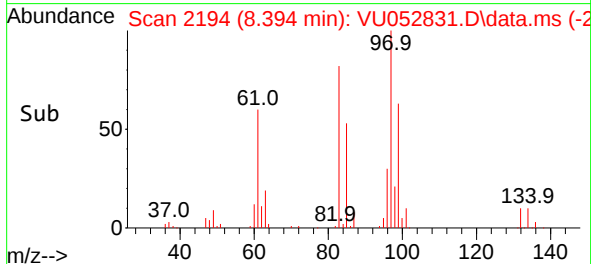
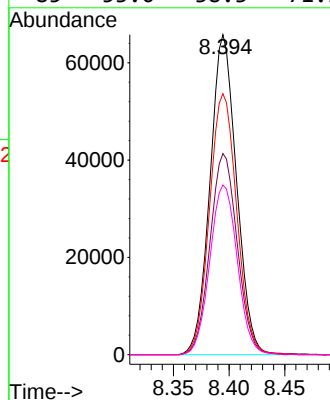
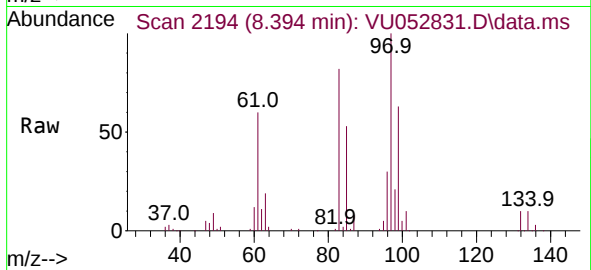


#45
1,1,2-Trichloroethane
Concen: 46.957 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU052831.D
Acq: 26 Jan 2023 21:09

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 108872

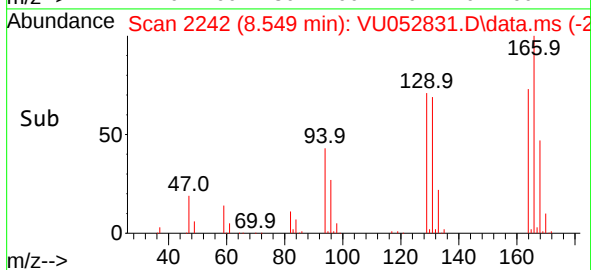
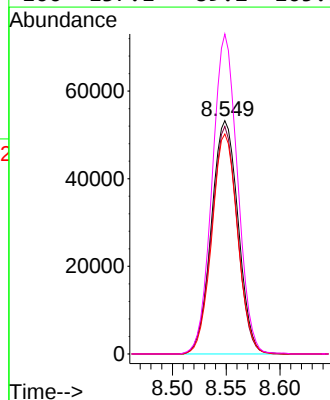
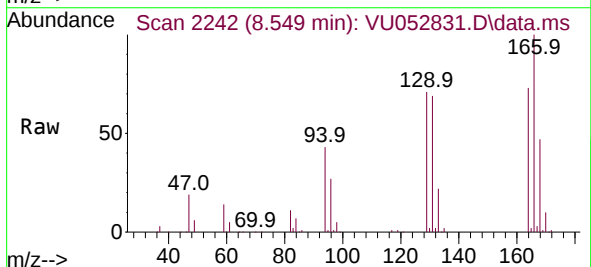
Ion	Ratio	Lower	Upper
97	100		
99	62.9	44.7	83.1
83	81.6	60.3	112.1
85	53.0	38.3	71.1

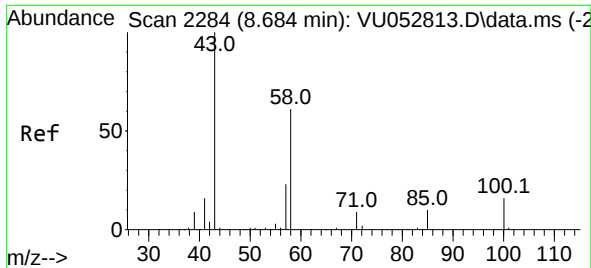


#46
Tetrachloroethene
Concen: 45.544 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU052831.D
Acq: 26 Jan 2023 21:09

Tgt Ion: 164 Resp: 91925

Ion	Ratio	Lower	Upper
164	100		
129	97.5	64.8	120.3
131	94.3	61.2	113.6
166	137.1	89.2	165.8



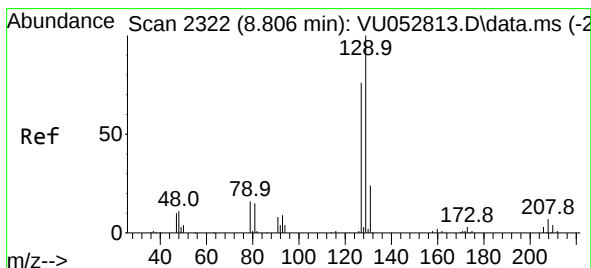
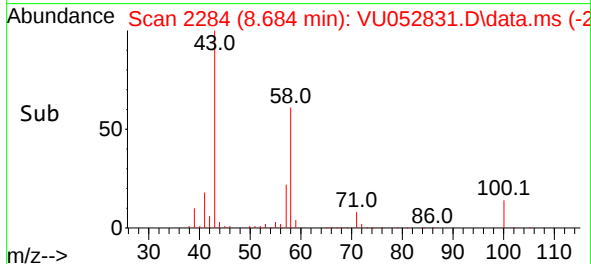
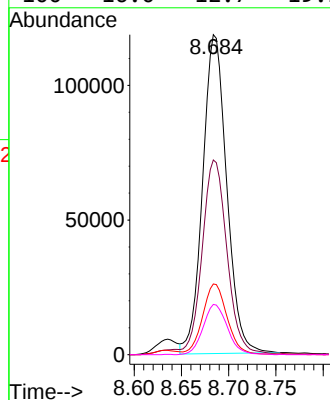
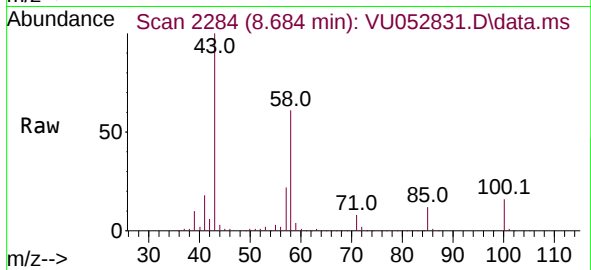


#48
2-Hexanone
Concen: 92.733 ug/L
RT: 8.684 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU052831.D
Acq: 26 Jan 2023 21:09

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 209555

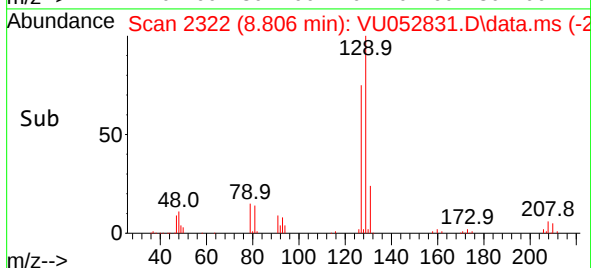
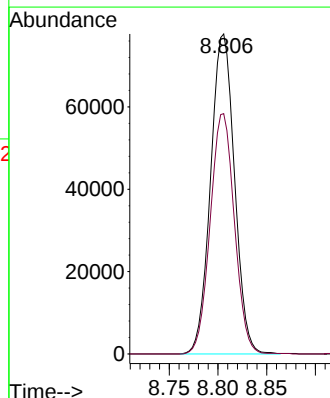
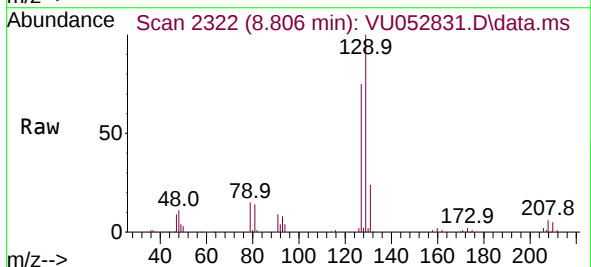
Ion	Ratio	Lower	Upper
43	100		
58	62.0	48.0	72.0
57	22.4	16.8	25.2
100	16.0	12.7	19.1

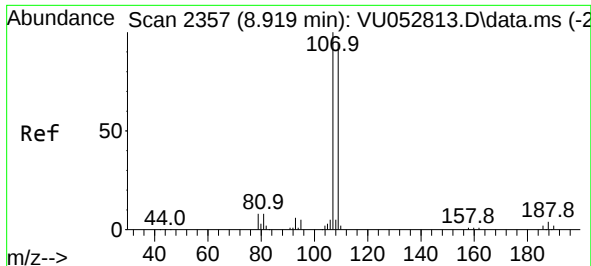


#49
Dibromochloromethane
Concen: 47.912 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU052831.D
Acq: 26 Jan 2023 21:09

Tgt Ion: 129 Resp: 132845

Ion	Ratio	Lower	Upper
129	100		
127	75.1	53.2	98.8





#50

1,2-Dibromoethane

Concen: 47.714 ug/L

RT: 8.918 min Scan# 21

Delta R.T. -0.000 min

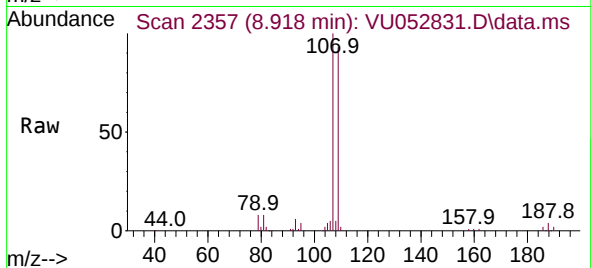
Lab File: VU052831.D

Acq: 26 Jan 2023 21:09

Instrument :

MSVOA_U

ClientSampleId :



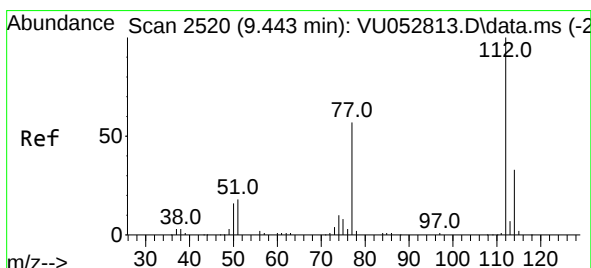
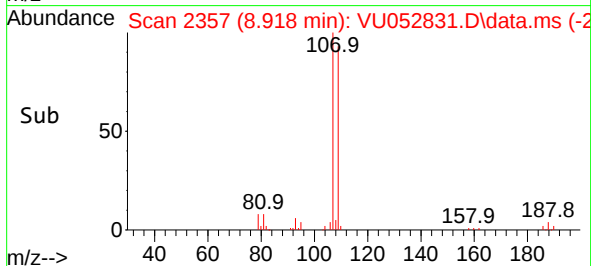
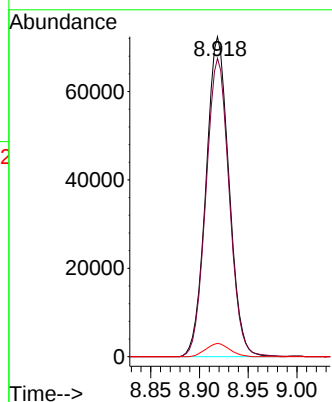
Tgt Ion:107 Resp: 119067

Ion Ratio Lower Upper

107 100

109 93.2 65.5 121.6

188 4.1 3.2 4.8



#51

Chlorobenzene

Concen: 47.226 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU052831.D

Acq: 26 Jan 2023 21:09

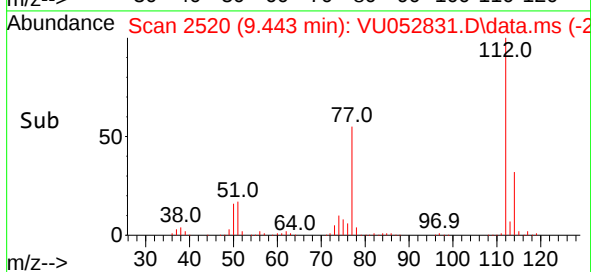
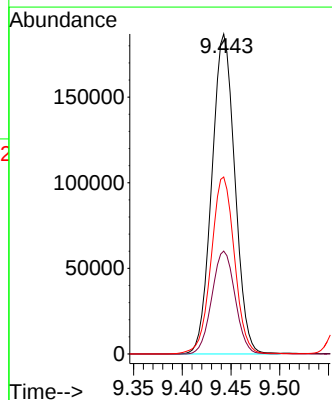
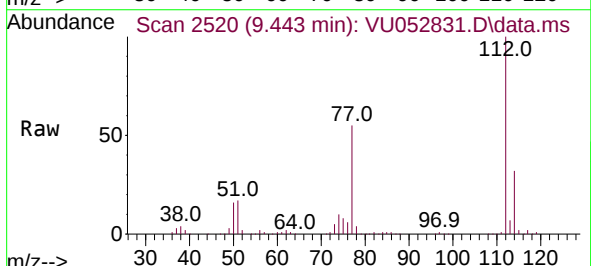
Tgt Ion:112 Resp: 307093

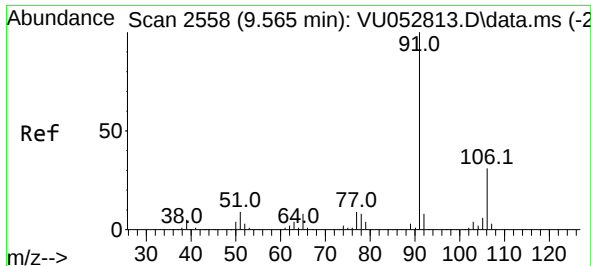
Ion Ratio Lower Upper

112 100

114 32.2 22.8 42.4

77 55.3 45.9 68.9

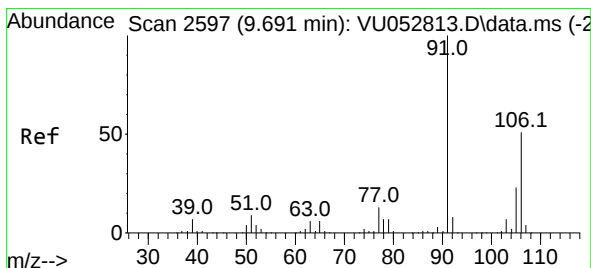
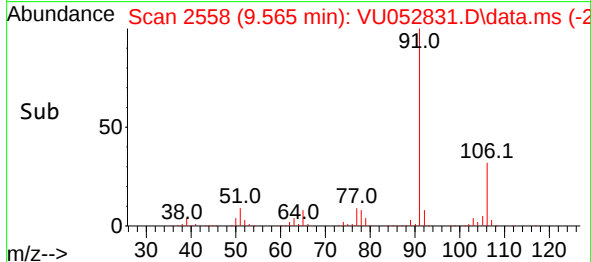
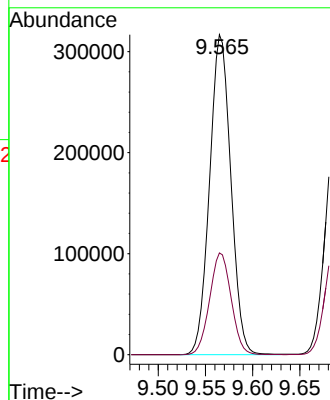
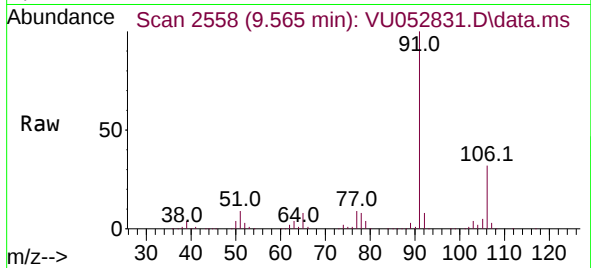




#52
Ethylbenzene
Concen: 49.000 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.000 min
Lab File: VU052831.D
Acq: 26 Jan 2023 21:09

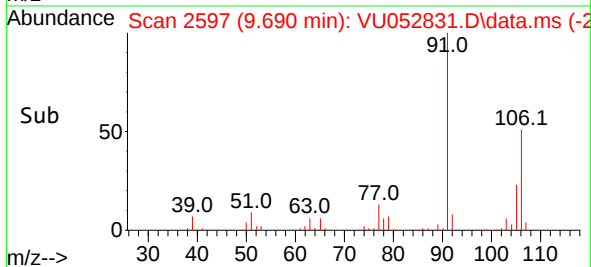
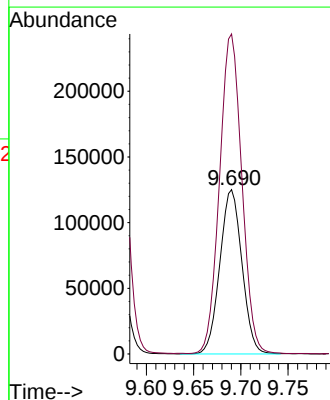
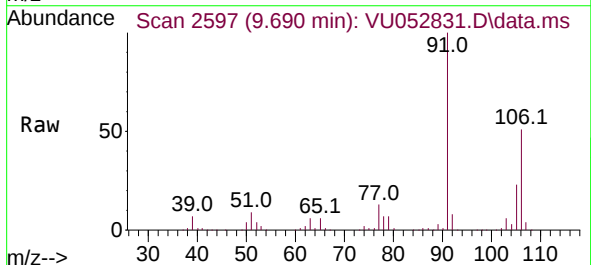
Instrument :
MSVOA_U
ClientSampleId :

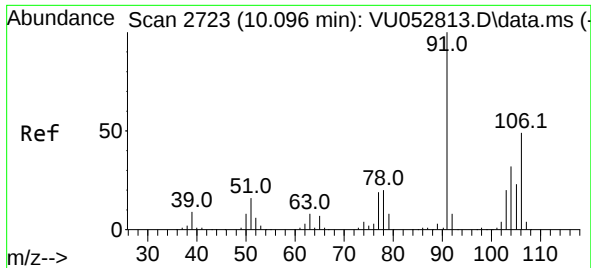
Tgt Ion: 91 Resp: 494933
Ion Ratio Lower Upper
91 100
106 31.8 22.0 40.8



#53
m,p-Xylene
Concen: 49.769 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU052831.D
Acq: 26 Jan 2023 21:09

Tgt Ion: 106 Resp: 203507
Ion Ratio Lower Upper
106 100
91 194.8 137.4 255.2

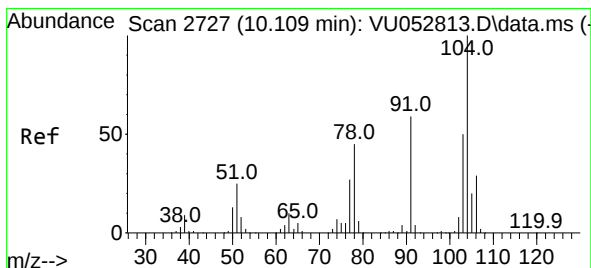
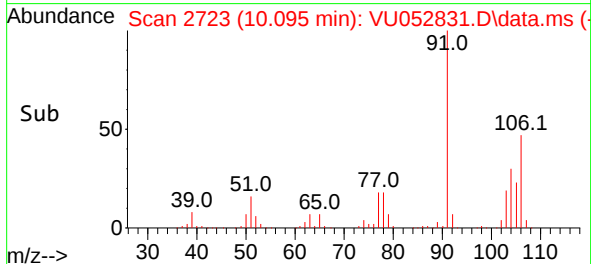
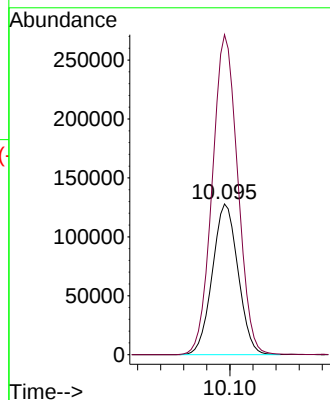
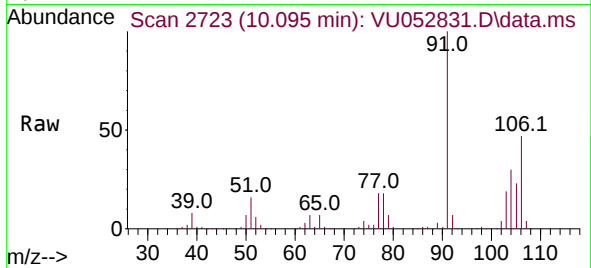




#54
o-xylene
Concen: 50.568 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. -0.000 min
Lab File: VU052831.D
Acq: 26 Jan 2023 21:09

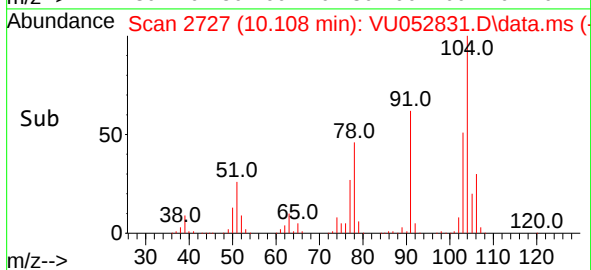
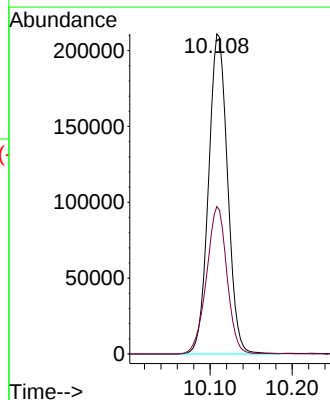
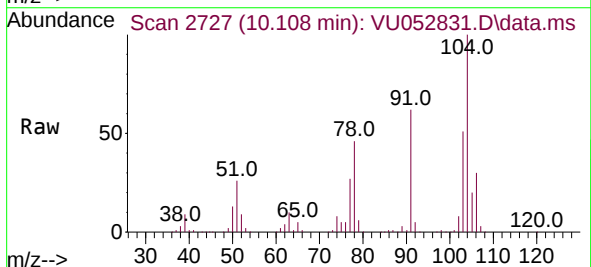
Instrument :
MSVOA_U
ClientSampleId :

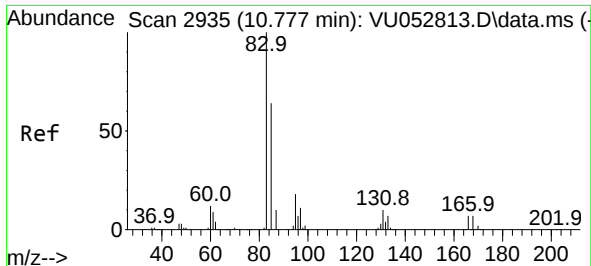
Tgt Ion:106 Resp: 197397
Ion Ratio Lower Upper
106 100
91 212.3 143.4 266.2



#55
Styrene
Concen: 50.801 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. -0.000 min
Lab File: VU052831.D
Acq: 26 Jan 2023 21:09

Tgt Ion:104 Resp: 340296
Ion Ratio Lower Upper
104 100
78 46.0 31.9 59.2





#57

1,1,2,2-Tetrachloroethane

Concen: 48.525 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. -0.000 min

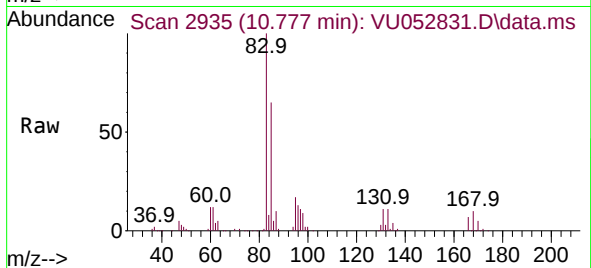
Lab File: VU052831.D

Acq: 26 Jan 2023 21:09

Instrument :

MSVOA_U

ClientSampleId :



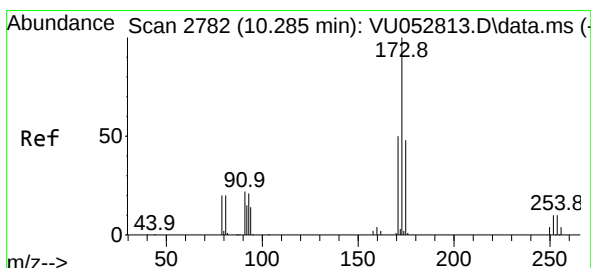
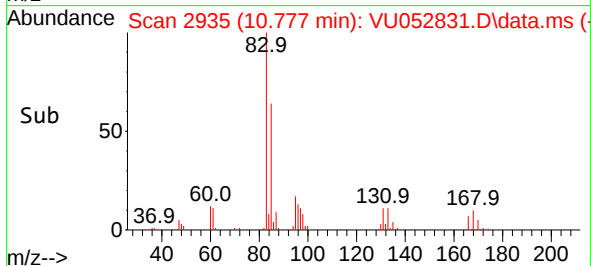
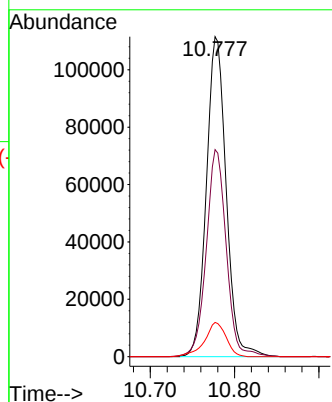
Tgt Ion: 83 Resp: 182077

Ion Ratio Lower Upper

83 100

85 64.7 45.0 83.6

131 10.7 8.6 12.8



#59

Bromoform

Concen: 47.127 ug/L

RT: 10.285 min Scan# 2782

Delta R.T. -0.000 min

Lab File: VU052831.D

Acq: 26 Jan 2023 21:09

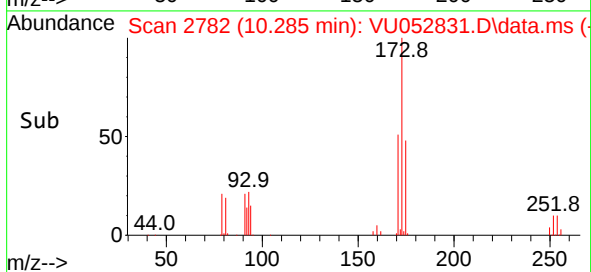
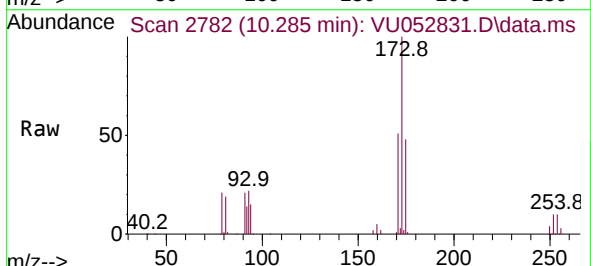
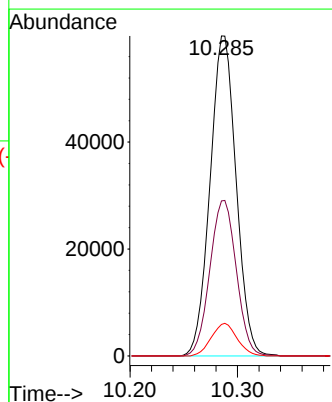
Tgt Ion:173 Resp: 100860

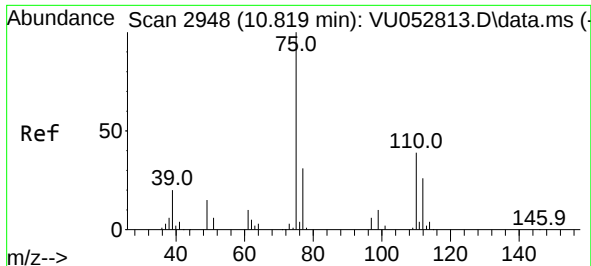
Ion Ratio Lower Upper

173 100

175 49.3 37.7 56.5

254 10.1 8.3 12.5

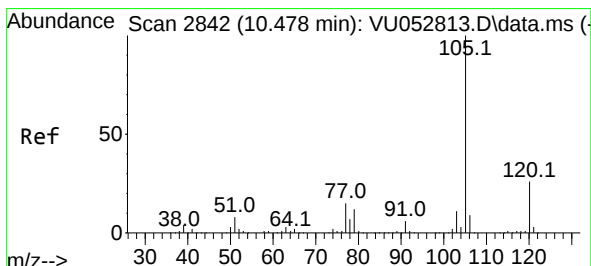
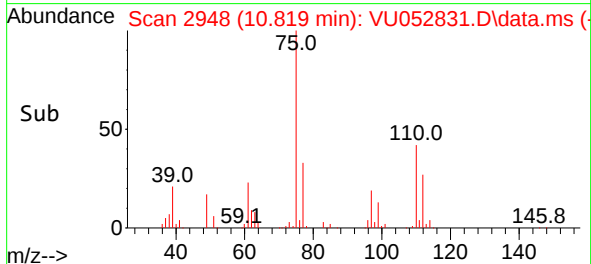
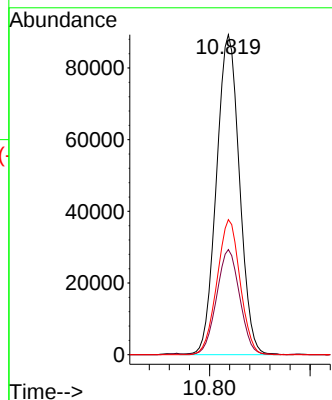
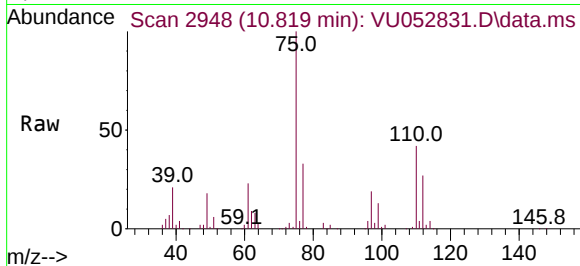




#60
1,2,3-Trichloropropane
Concen: 46.868 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU052831.D
Acq: 26 Jan 2023 21:09

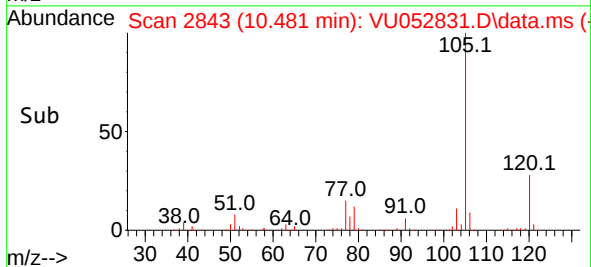
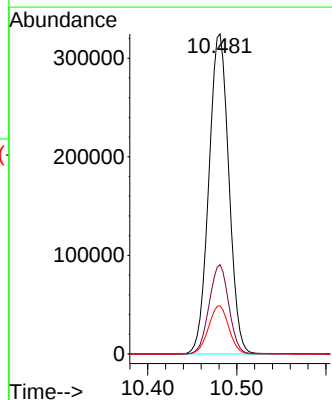
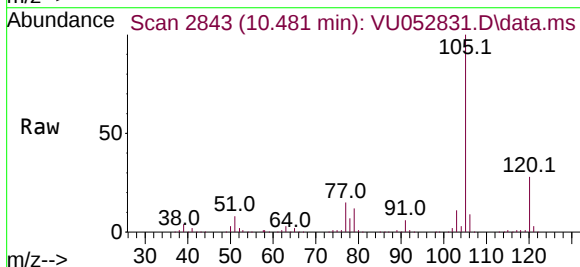
Instrument :
MSVOA_U
ClientSampleId :

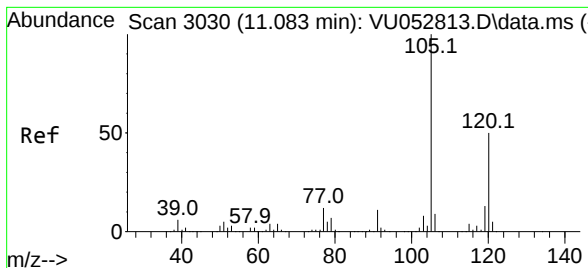
Tgt Ion: 75 Resp: 141988
Ion Ratio Lower Upper
75 100
77 33.1 25.8 38.8
110 42.4 32.4 48.6



#61
Isopropylbenzene
Concen: 50.089 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.003 min
Lab File: VU052831.D
Acq: 26 Jan 2023 21:09

Tgt Ion: 105 Resp: 505244
Ion Ratio Lower Upper
105 100
120 27.4 21.4 32.2
77 15.2 12.2 18.2





#62

1,3,5-Trimethylbenzene

Concen: 51.831 ug/L

RT: 11.082 min Scan# 3030

Delta R.T. -0.000 min

Lab File: VU052831.D

Acq: 26 Jan 2023 21:09

Instrument :

MSVOA_U

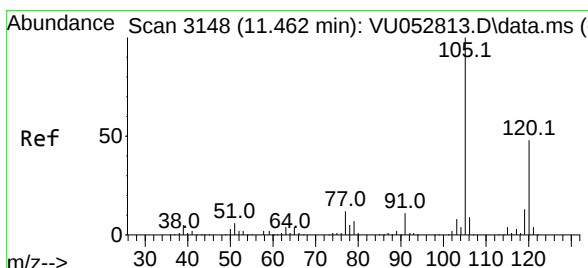
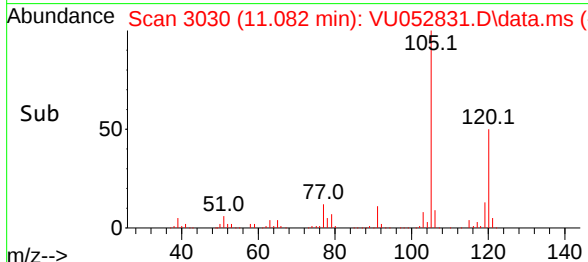
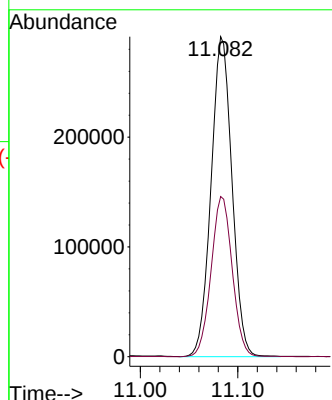
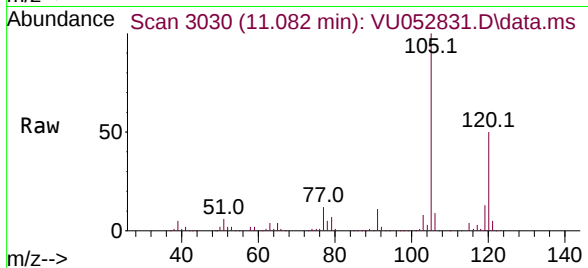
ClientSampleId :

Tgt Ion:105 Resp: 435321

Ion Ratio Lower Upper

105 100

120 50.4 40.4 60.6



#63

1,2,4-Trimethylbenzene

Concen: 52.683 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. -0.000 min

Lab File: VU052831.D

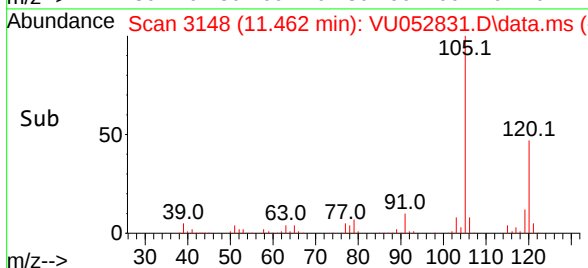
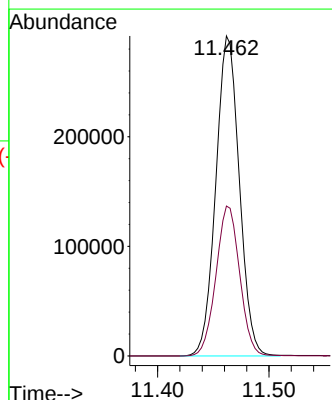
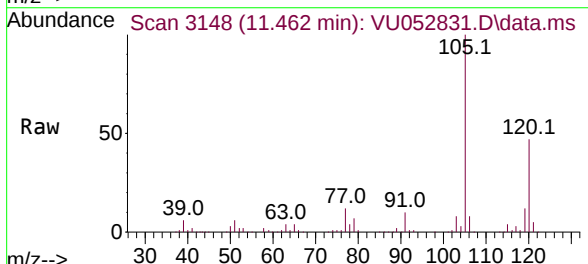
Acq: 26 Jan 2023 21:09

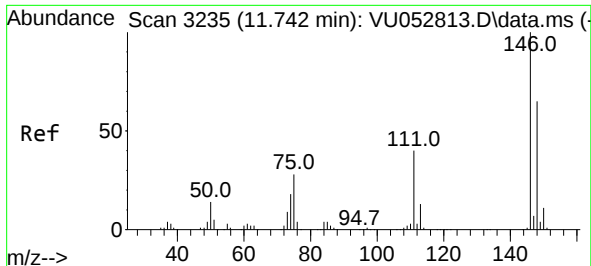
Tgt Ion:105 Resp: 428164

Ion Ratio Lower Upper

105 100

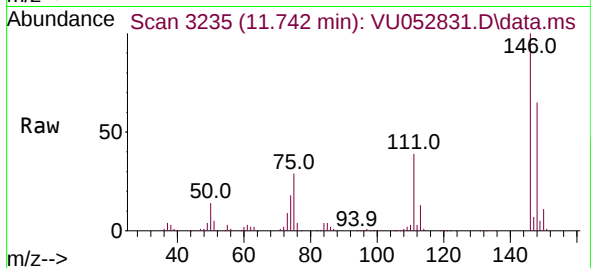
120 47.3 38.1 57.1



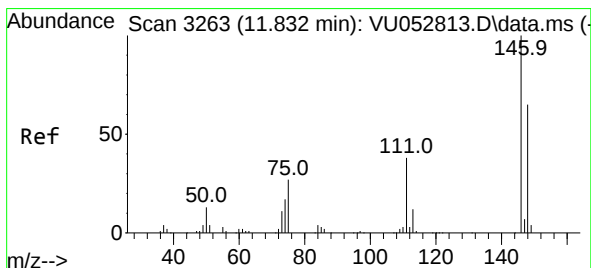
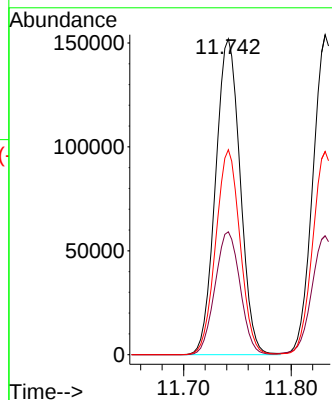
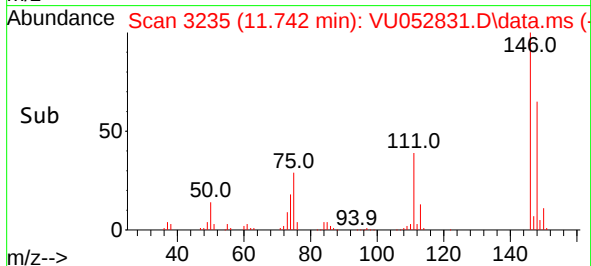


#64
1,3-Dichlorobenzene
Concen: 47.568 ug/L
RT: 11.742 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU052831.D
Acq: 26 Jan 2023 21:09

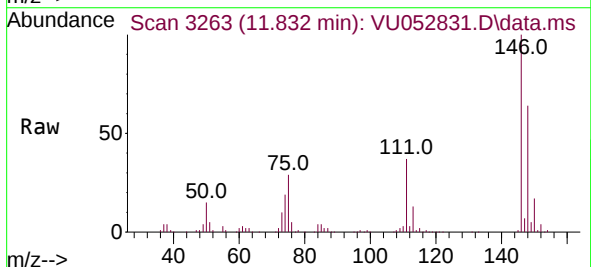
Instrument :
MSVOA_U
ClientSampleId :



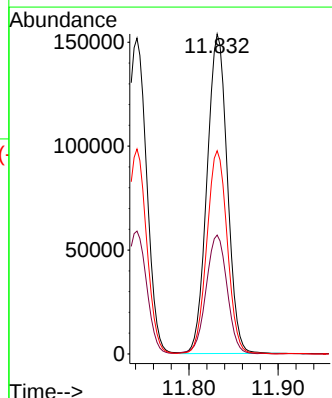
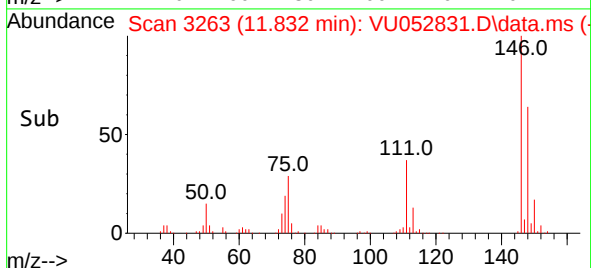
Tgt Ion:146 Resp: 242080
Ion Ratio Lower Upper
146 100
111 38.9 27.8 51.6
148 64.9 45.5 84.5

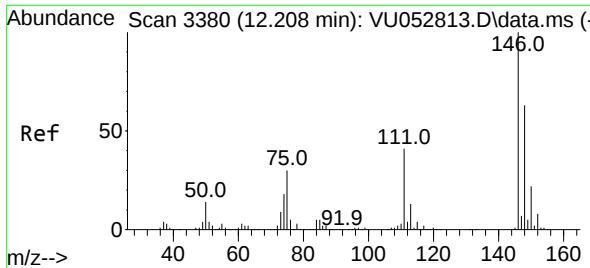


#65
1,4-Dichlorobenzene
Concen: 46.221 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU052831.D
Acq: 26 Jan 2023 21:09



Tgt Ion:146 Resp: 243511
Ion Ratio Lower Upper
146 100
111 37.1 26.7 49.7
148 63.5 45.6 84.6

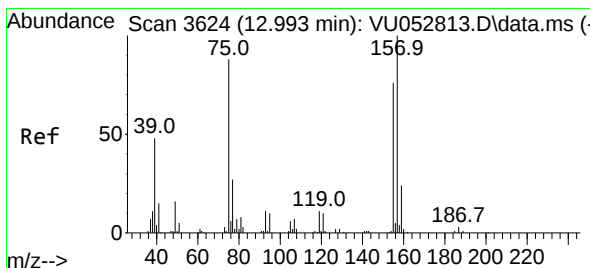
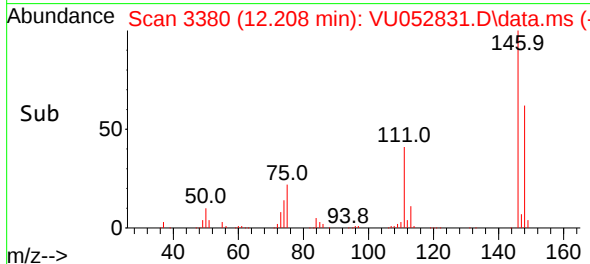
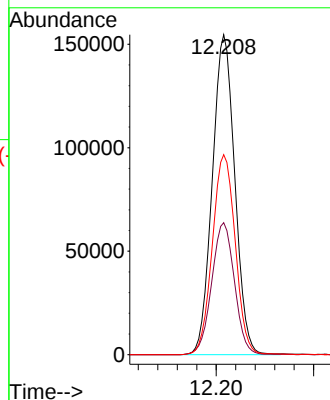
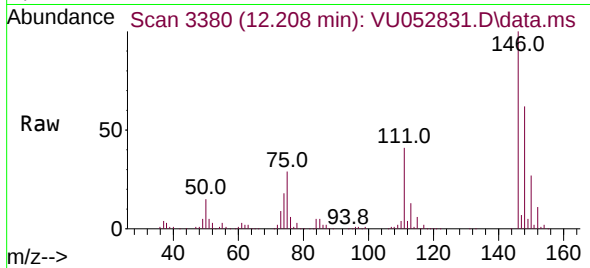




#67
 1,2-Dichlorobenzene
 Concen: 48.145 ug/L
 RT: 12.208 min Scan# 311
 Delta R.T. -0.000 min
 Lab File: VU052831.D
 Acq: 26 Jan 2023 21:09

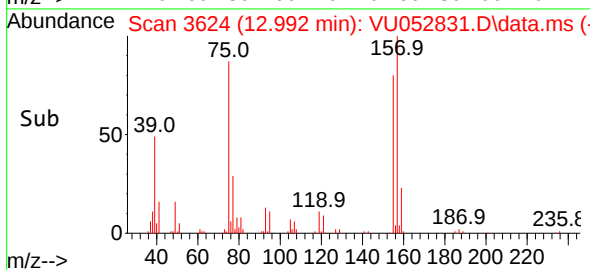
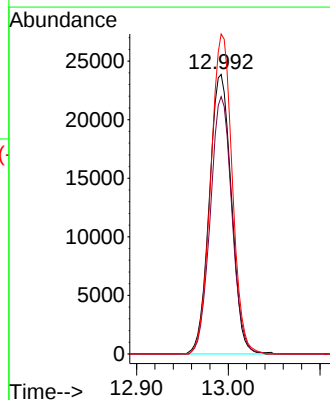
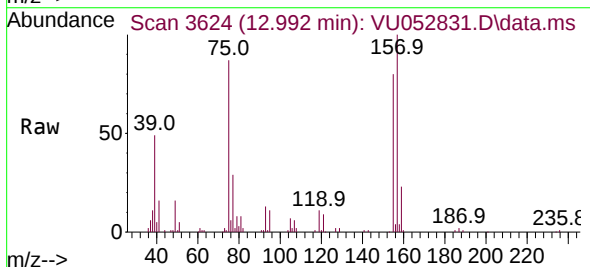
Instrument :
 MSVOA_U
 ClientSampleId :

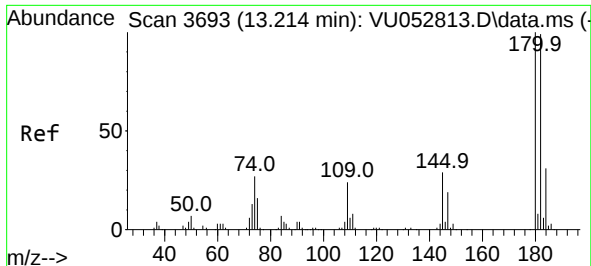
Tgt Ion:146 Resp: 247824
 Ion Ratio Lower Upper
 146 100
 111 41.3 33.2 49.8
 148 62.5 50.2 75.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 45.951 ug/L
 RT: 12.992 min Scan# 3624
 Delta R.T. -0.000 min
 Lab File: VU052831.D
 Acq: 26 Jan 2023 21:09

Tgt Ion: 75 Resp: 39903
 Ion Ratio Lower Upper
 75 100
 155 92.0 69.2 103.8
 157 114.5 91.2 136.8





#69

1,3,5-Trichlorobenzene

Concen: 46.662 ug/L

RT: 13.214 min Scan# 3693

Delta R.T. -0.000 min

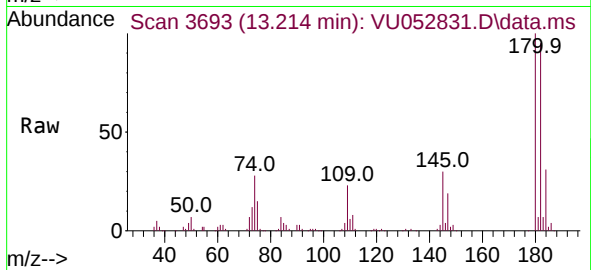
Lab File: VU052831.D

Acq: 26 Jan 2023 21:09

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 175799

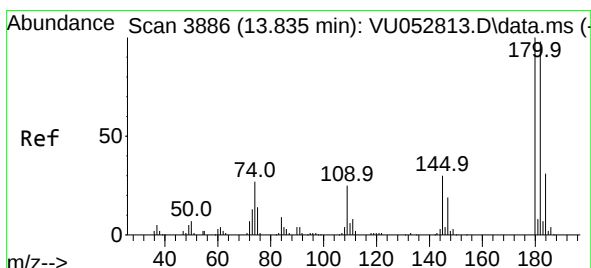
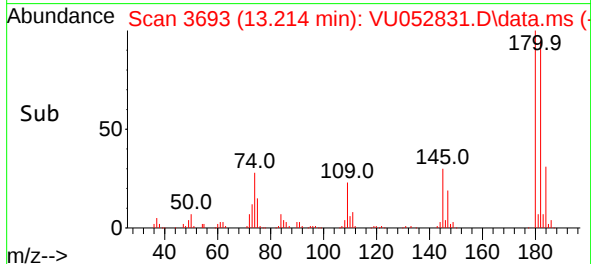
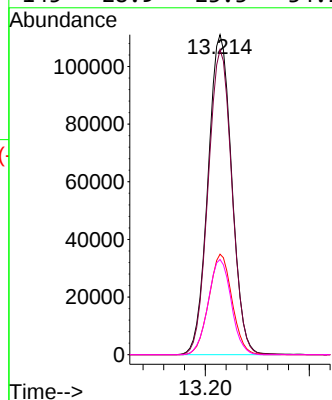
Ion Ratio Lower Upper

180 100

182 95.5 77.0 115.6

184 30.8 24.4 36.6

145 28.9 23.3 34.9



#70

1,2,4-trichlorobenzene

Concen: 47.034 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. -0.000 min

Lab File: VU052831.D

Acq: 26 Jan 2023 21:09

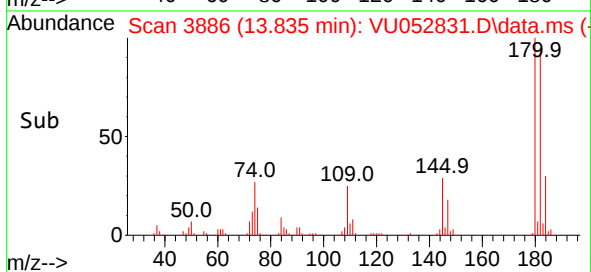
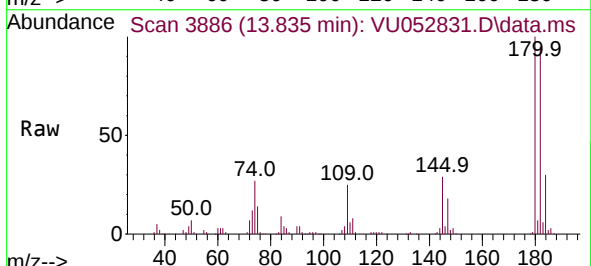
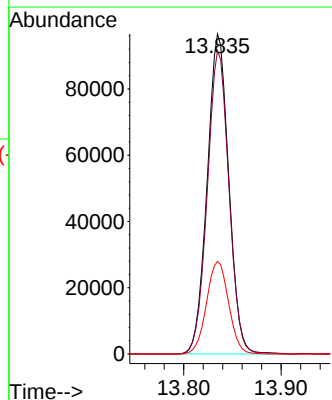
Tgt Ion:180 Resp: 148567

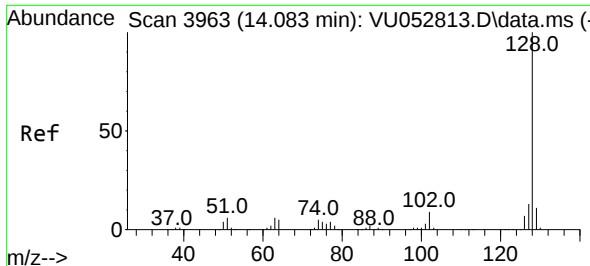
Ion Ratio Lower Upper

180 100

182 95.1 78.2 117.2

145 29.6 23.4 35.2

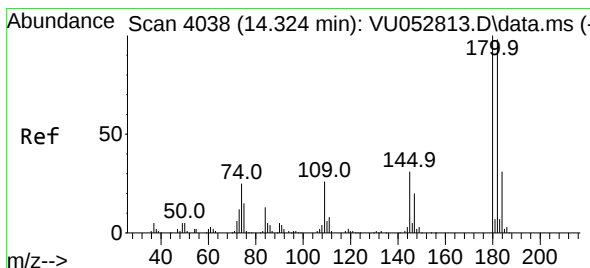
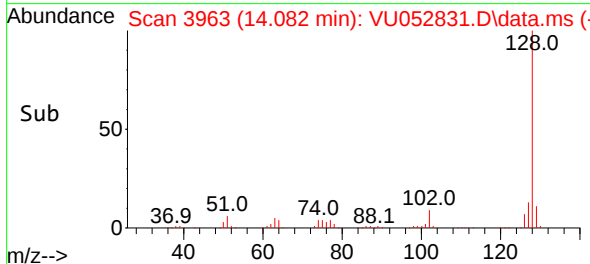
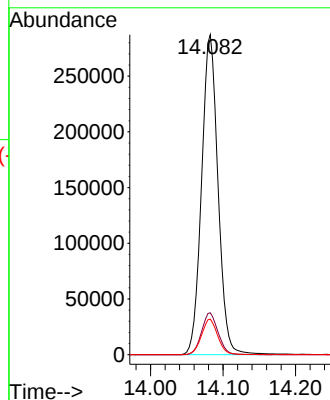
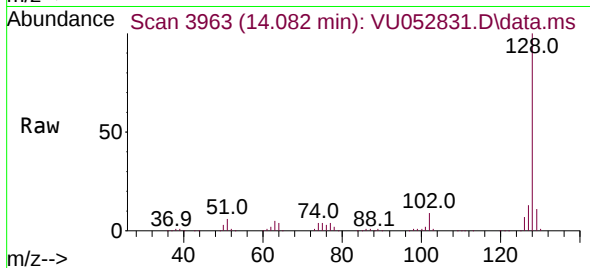




#71
Naphthalene
Concen: 49.903 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. -0.000 min
Lab File: VU052831.D
Acq: 26 Jan 2023 21:09

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 452979
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 10.9 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 47.091 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. -0.000 min
Lab File: VU052831.D
Acq: 26 Jan 2023 21:09

Tgt Ion:180 Resp: 157199
Ion Ratio Lower Upper
180 100
182 96.2 77.5 116.3
145 30.7 24.2 36.4

