

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120221\
 Data File : VU046042.D
 Acq On : 02 Dec 2021 09:52
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 03 05:05:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 02 02:43:07 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	182746	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	181025	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	94371	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	73574	48.874	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.740%
7) Chloroethane-d5	1.919	69	58035	50.212	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.420%
11) 1,1-Dichloroethene-d2	2.575	63	133087	49.248	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.500%
21) 2-Butanone-d5	4.642	46	124766	104.259	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.260%
24) Chloroform-d	5.070	84	134794	53.620	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.240%
26) 1,2-Dichloroethane-d4	5.706	65	87978	52.147	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.300%
32) Benzene-d6	5.732	84	279704	53.909	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.820%
36) 1,2-Dichloropropane-d6	6.694	67	86928	54.060	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.120%
41) Toluene-d8	7.903	98	254520	53.877	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.760%
43) trans-1,3-Dichloroprop...	8.182	79	42354	54.563	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.120%
47) 2-Hexanone-d5	8.636	63	83009	108.877	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.880%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	125554	51.486	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.980%
66) 1,2-Dichlorobenzene-d4	12.195	152	97206	53.486	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.980%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	103117	51.864	ug/L	100
3) Chloromethane	1.520	50	89990	50.603	ug/L	100
5) Vinyl chloride	1.607	62	93752	52.284	ug/L	99
6) Bromomethane	1.861	94	54154	53.285	ug/L	98
8) Chloroethane	1.938	64	54249	52.252	ug/L	100
9) Trichlorofluoromethane	2.144	101	123511	52.760	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	71202	53.546	ug/L	99
12) 1,1-Dichloroethene	2.584	96	65498	51.835	ug/L	97
13) Acetone	2.662	43	132423	88.541	ug/L	97
14) Carbon disulfide	2.800	76	201755	51.464	ug/L	100
15) Methyl Acetate	2.961	43	84075	48.222	ug/L	97
16) Methylene chloride	3.051	84	76282	50.741	ug/L	99
17) trans-1,2-Dichloroethene	3.359	96	71406	53.399	ug/L	98
18) Methyl tert-butyl Ether	3.369	73	223646	54.269	ug/L	99
19) 1,1-Dichloroethane	3.877	63	132126	54.343	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	78036	53.783	ug/L	99
22) 2-Butanone	4.723	43	154763	95.057	ug/L	98
23) Bromochloromethane	4.980	128	40959	55.893	ug/L	93
25) Chloroform	5.092	83	143282	53.040	ug/L	100

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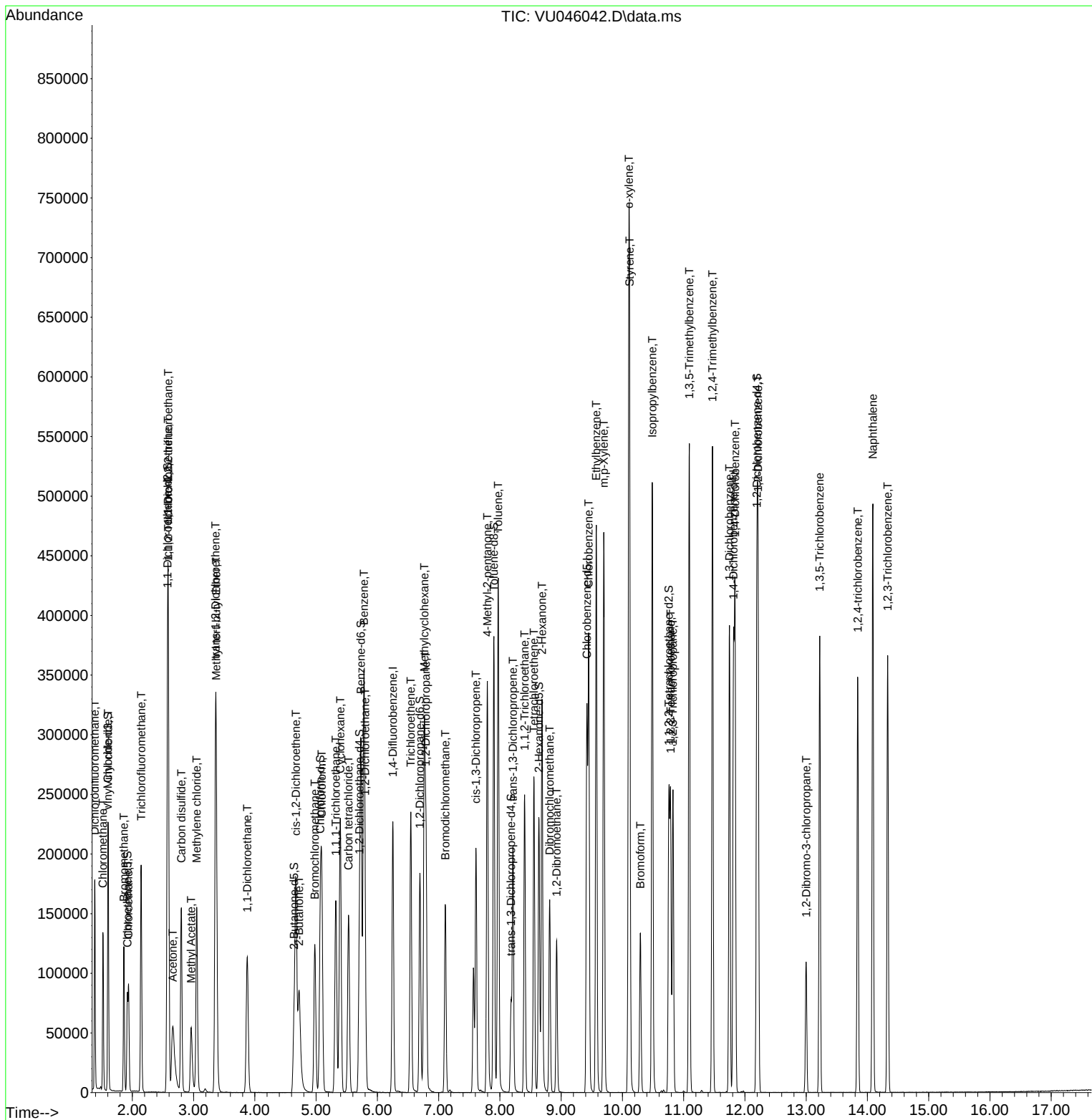
Instrument :
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 ClientSampleId :

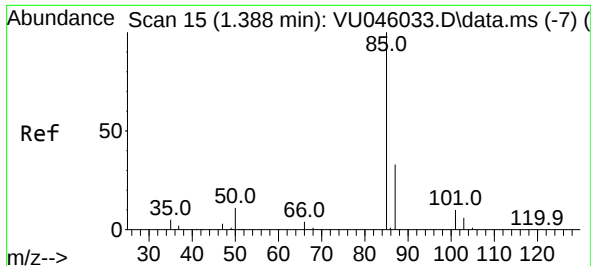
Quant Time: Dec 03 05:05:22 2021
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 Quant Title : VOC Analysis
 QLast Update : Thu Dec 02 02:43:07 2021
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	106113	52.935	ug/L	100
29) Cyclohexane	5.395	56	117167	55.584	ug/L	100
30) 1,1,1-Trichloroethane	5.321	97	121493	54.675	ug/L	99
31) Carbon tetrachloride	5.530	117	102510	54.340	ug/L	98
33) Benzene	5.780	78	300926	54.924	ug/L	100
34) Trichloroethene	6.546	95	80082	55.482	ug/L	99
35) Methylcyclohexane	6.768	83	122398	54.690	ug/L	98
37) 1,2-Dichloropropane	6.793	63	77633	54.090	ug/L	99
38) Bromodichloromethane	7.108	83	103677	54.347	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	124186	56.877	ug/L	99
40) 4-Methyl-2-pentanone	7.796	43	224710	106.562	ug/L	99
42) Toluene	7.973	91	325175	55.311	ug/L	97
44) trans-1,3-Dichloropropene	8.214	75	118091	55.067	ug/L	96
45) 1,1,2-Trichloroethane	8.404	97	77290	53.677	ug/L	98
46) Tetrachloroethene	8.555	164	58199	54.868	ug/L	98
48) 2-Hexanone	8.687	43	196382	104.133	ug/L	97
49) Dibromochloromethane	8.812	129	83669	55.334	ug/L	98
50) 1,2-Dibromoethane	8.925	107	83390	53.417	ug/L	98
51) Chlorobenzene	9.449	112	201039	52.857	ug/L	100
52) Ethylbenzene	9.574	91	348582	55.093	ug/L	99
53) m,p-Xylene	9.697	106	137842	55.863	ug/L	99
54) o-xylene	10.105	106	132316	55.263	ug/L	97
55) Styrene	10.118	104	230878	56.481	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.787	83	120843	48.951	ug/L	97
59) Bromoform	10.295	173	59661	53.891	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	106575	51.518	ug/L	99
61) Isopropylbenzene	10.488	105	348694	56.789	ug/L	100
62) 1,3,5-Trimethylbenzene	11.092	105	299454	58.511	ug/L	99
63) 1,2,4-Trimethylbenzene	11.472	105	300001	58.589	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	157872	54.128	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	157237	52.163	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	156689	53.347	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	28369	51.477	ug/L	97
69) 1,3,5-Trichlorobenzene	13.221	180	115102	54.161	ug/L	100
70) 1,2,4-trichlorobenzene	13.841	180	101168	53.645	ug/L	99
71) Naphthalene	14.089	128	379361	57.807	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	109024	56.692	ug/L	98

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

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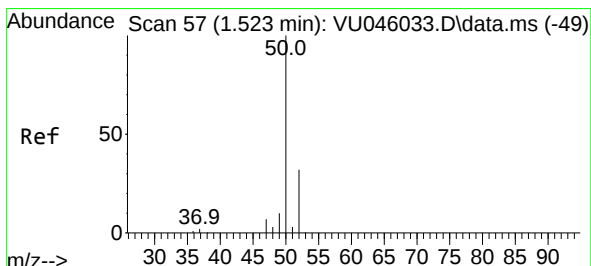
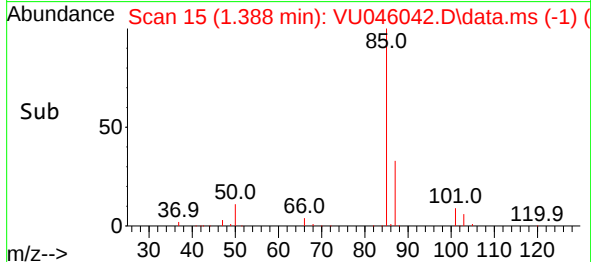
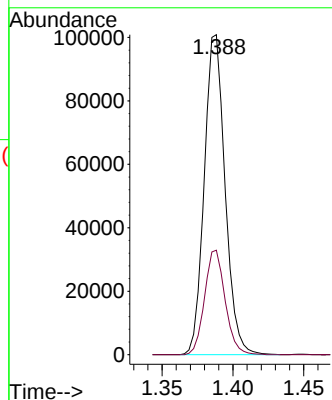
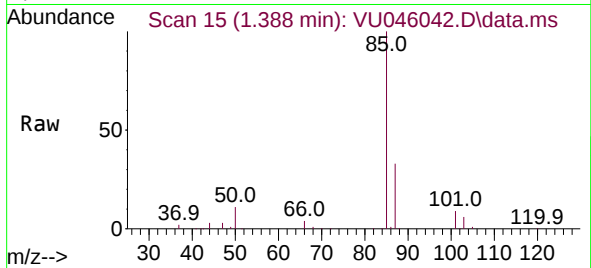




#2
 Dichlorodifluoromethane
 Concen: 51.864 ug/L
 RT: 1.388 min Scan# 15
 Delta R.T. -0.000 min
 Lab File: VU046042.D
 Acq: 02 Dec 2021 09:52

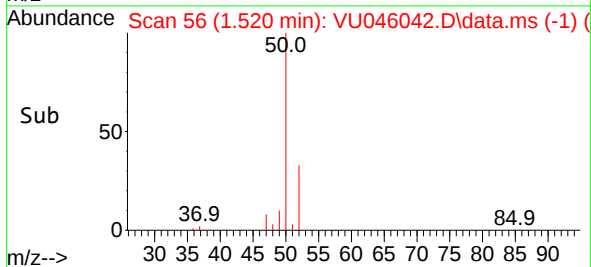
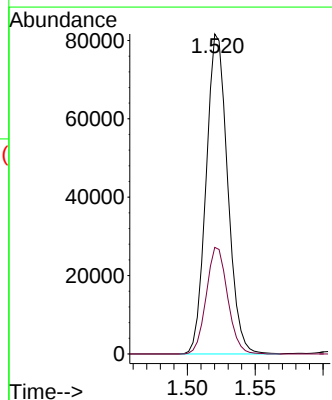
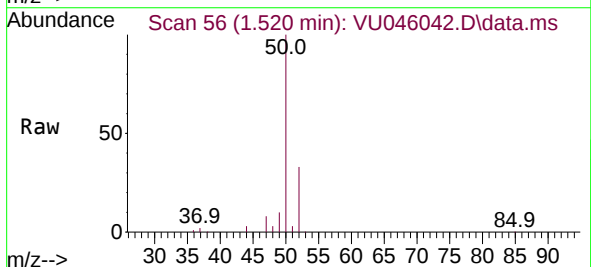
Instrument :
 MSVOA_U
 ClientSampleId :

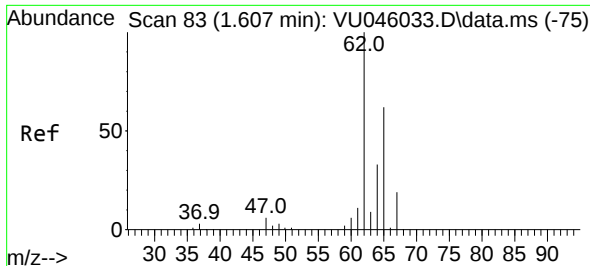
Tgt Ion: 85 Resp: 103117
 Ion Ratio Lower Upper
 85 100
 87 32.1 25.7 38.5



#3
 Chloromethane
 Concen: 50.603 ug/L
 RT: 1.520 min Scan# 56
 Delta R.T. -0.003 min
 Lab File: VU046042.D
 Acq: 02 Dec 2021 09:52

Tgt Ion: 50 Resp: 89990
 Ion Ratio Lower Upper
 50 100
 52 33.3 23.2 43.2

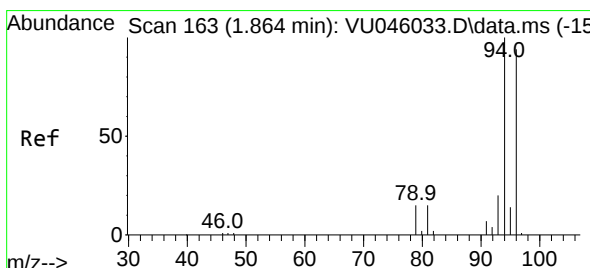
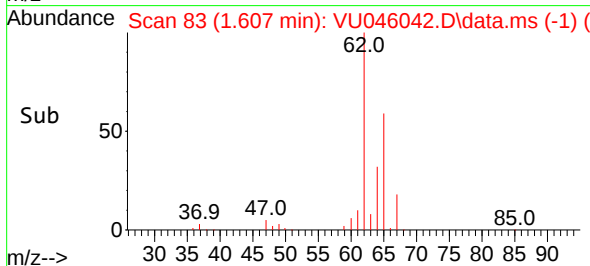
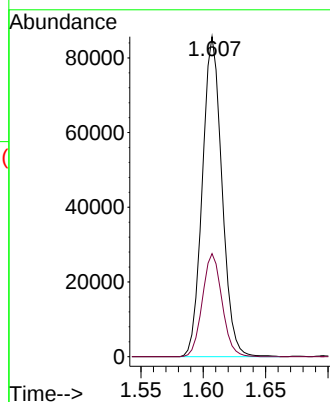
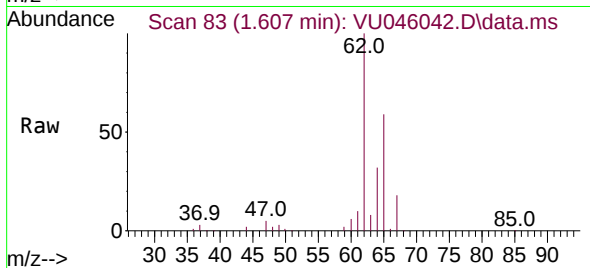




#5
 Vinyl chloride
 Concen: 52.284 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU046042.D
 Acq: 02 Dec 2021 09:52

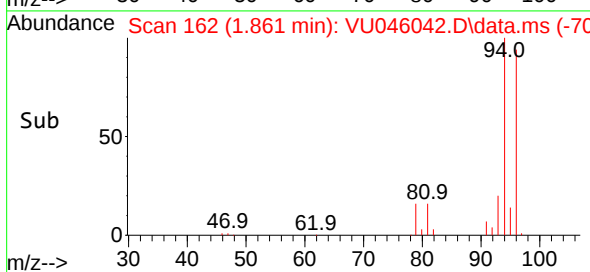
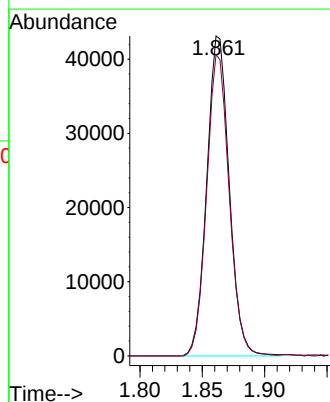
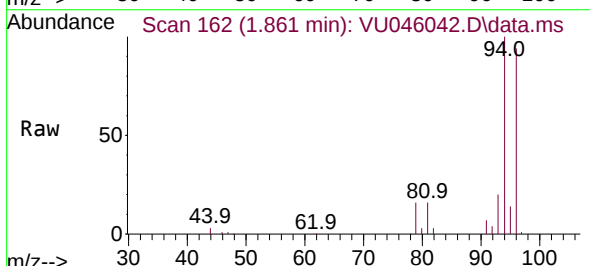
Instrument :
 MSVOA_U
 ClientSampleId :

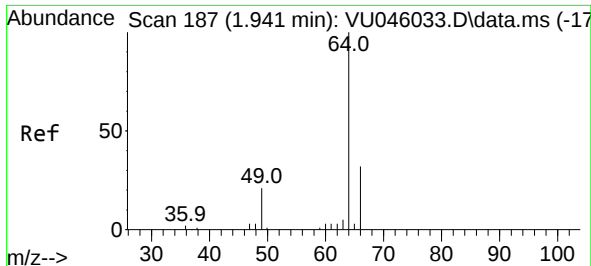
Tgt Ion: 62 Resp: 93752
 Ion Ratio Lower Upper
 62 100
 64 32.2 22.9 42.5



#6
 Bromomethane
 Concen: 53.285 ug/L
 RT: 1.861 min Scan# 162
 Delta R.T. -0.003 min
 Lab File: VU046042.D
 Acq: 02 Dec 2021 09:52

Tgt Ion: 94 Resp: 54154
 Ion Ratio Lower Upper
 94 100
 96 94.2 67.4 125.2

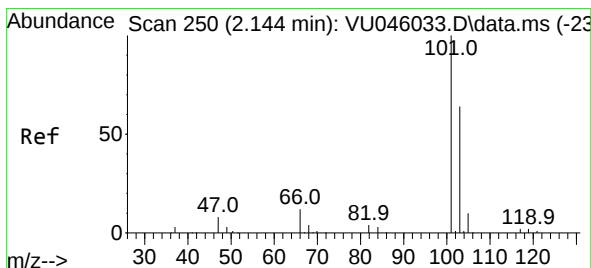
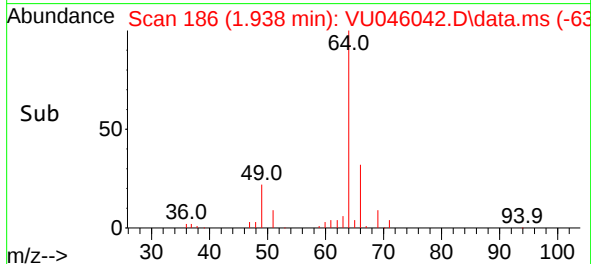
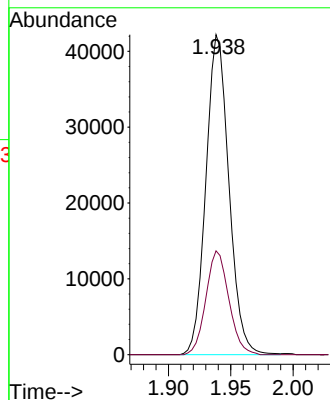
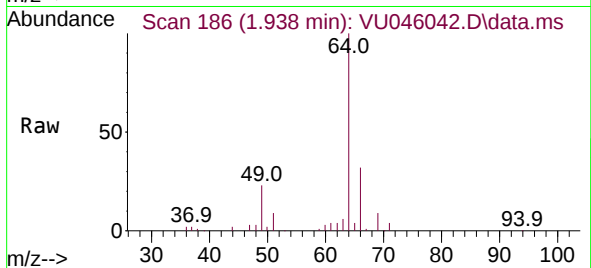




#8
Chloroethane
Concen: 52.252 ug/L
RT: 1.938 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU046042.D
Acq: 02 Dec 2021 09:52

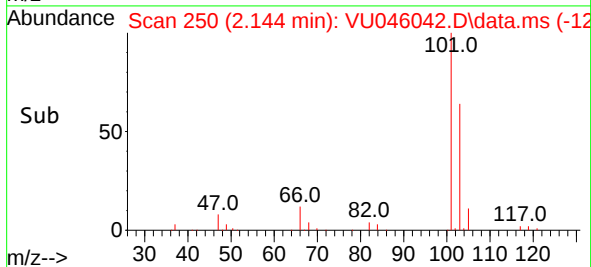
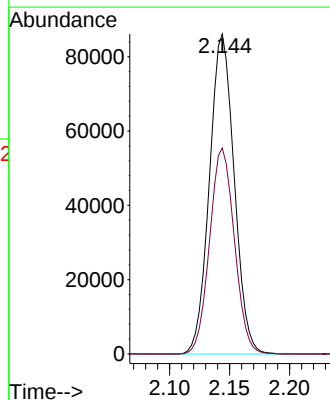
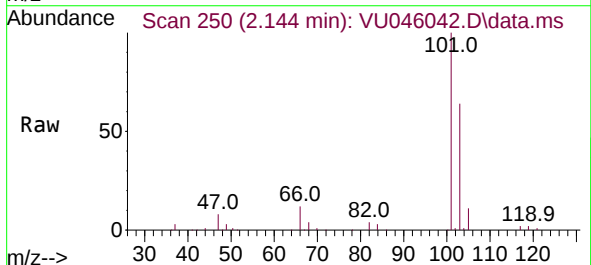
Instrument :
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ClientSampleId :

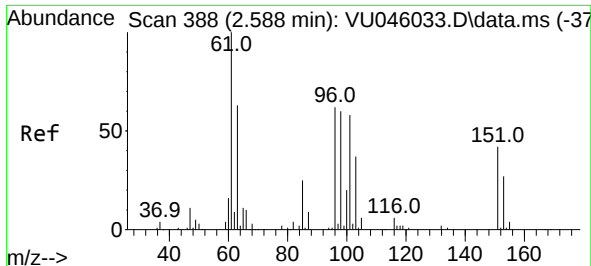
Tgt Ion: 64 Resp: 54249
Ion Ratio Lower Upper
64 100
66 32.4 22.5 41.9



#9
Trichlorofluoromethane
Concen: 52.760 ug/L
RT: 2.144 min Scan# 250
Delta R.T. -0.000 min
Lab File: VU046042.D
Acq: 02 Dec 2021 09:52

Tgt Ion:101 Resp: 123511
Ion Ratio Lower Upper
101 100
103 64.4 51.8 77.6





#10

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

Concen: 53.546 ug/L

RT: 2.588 min Scan# 388

Delta R.T. -0.000 min

Lab File: VU046042.D

Acq: 02 Dec 2021 09:52

Instrument :

MSVOA_U

ClientSampleId :

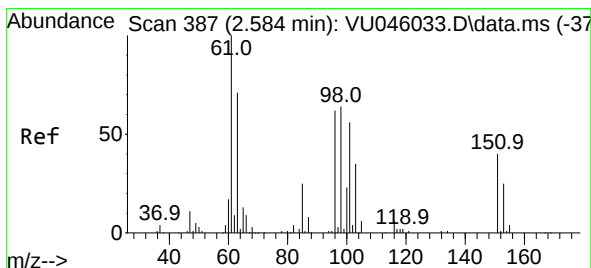
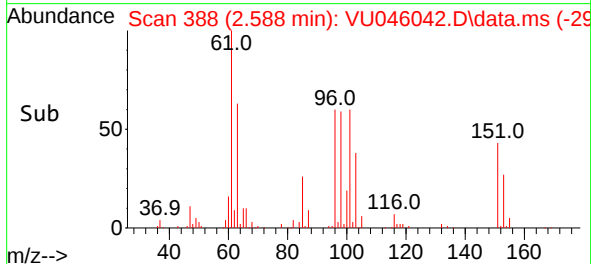
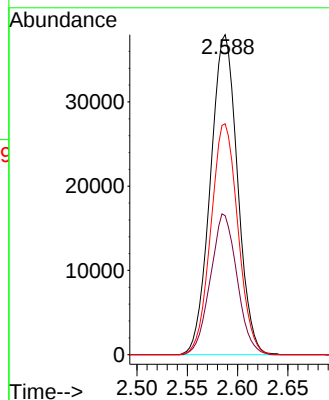
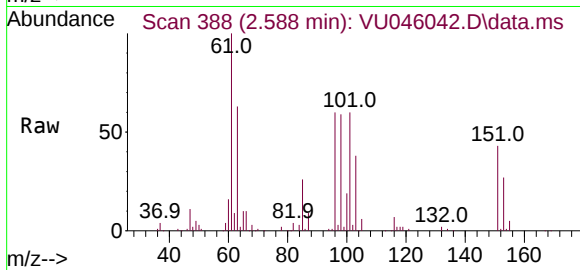
Tgt Ion:101 Resp: 71202

Ion Ratio Lower Upper

101 100

85 43.2 35.1 52.7

151 72.1 56.7 85.1



#12

1,1-Dichloroethene

Concen: 51.835 ug/L

RT: 2.584 min Scan# 387

Delta R.T. -0.000 min

Lab File: VU046042.D

Acq: 02 Dec 2021 09:52

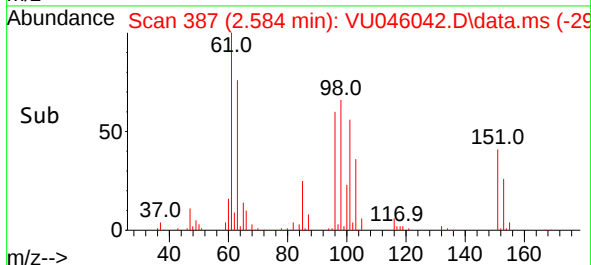
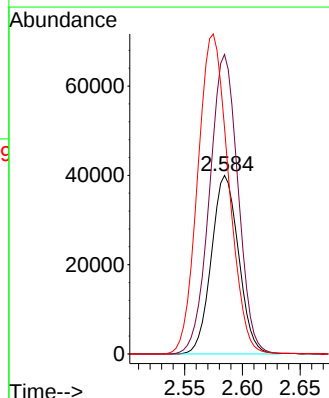
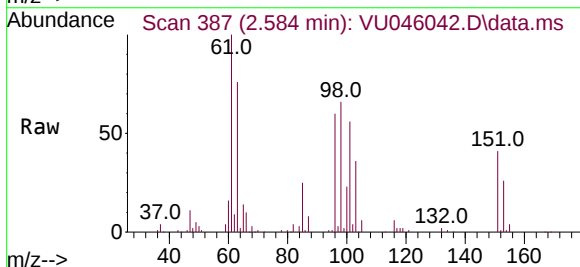
Tgt Ion: 96 Resp: 65498

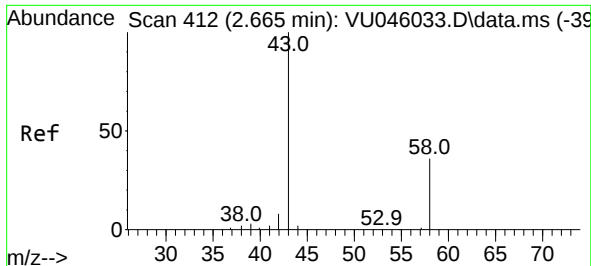
Ion Ratio Lower Upper

96 100

61 167.8 118.6 220.2

63 126.8 93.0 172.8





#13

Acetone

Concen: 88.541 ug/L

RT: 2.662 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU046042.D

Acq: 02 Dec 2021 09:52

Instrument :

MSVOA_U

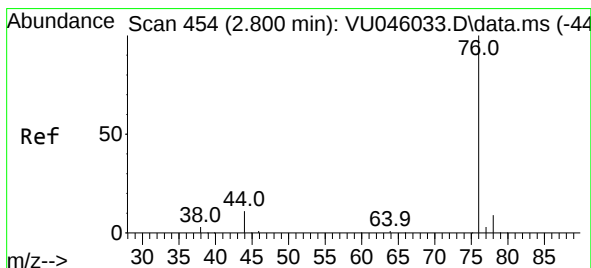
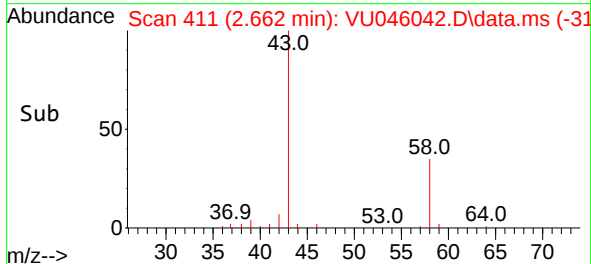
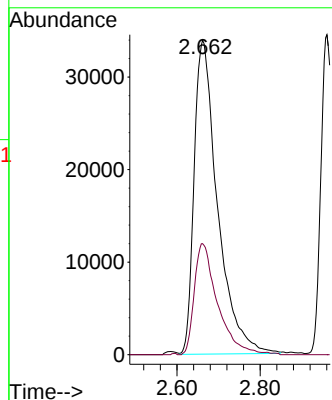
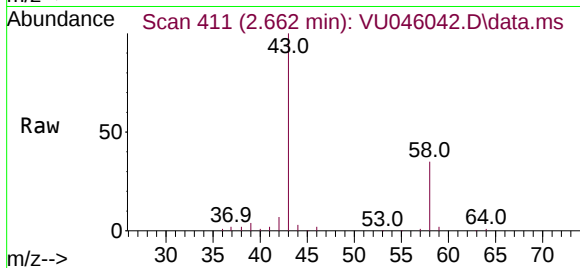
ClientSampleId :

Tgt Ion: 43 Resp: 132423

Ion Ratio Lower Upper

43 100

58 35.1 0.0 66.8



#14

Carbon disulfide

Concen: 51.464 ug/L

RT: 2.800 min Scan# 454

Delta R.T. -0.000 min

Lab File: VU046042.D

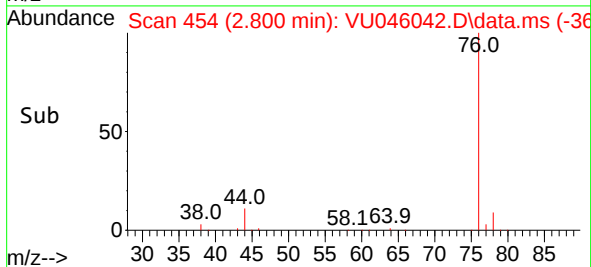
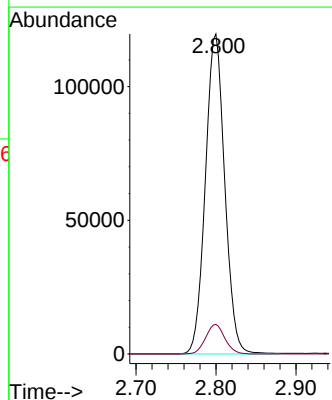
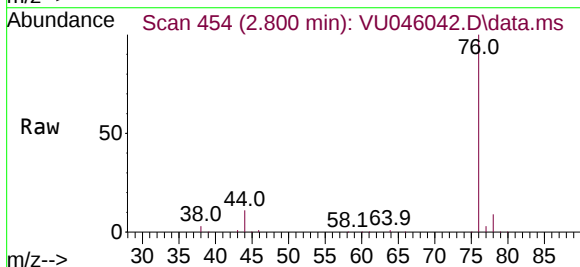
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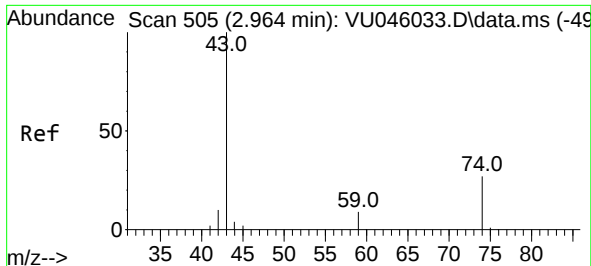
Tgt Ion: 76 Resp: 201755

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

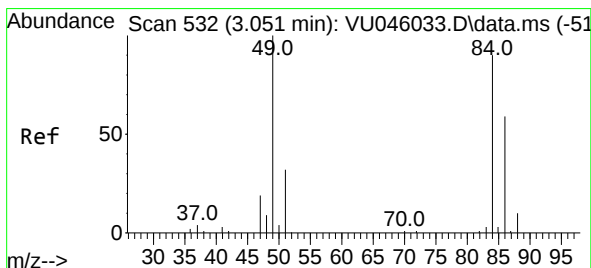
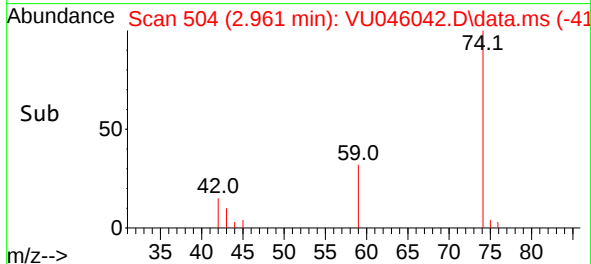
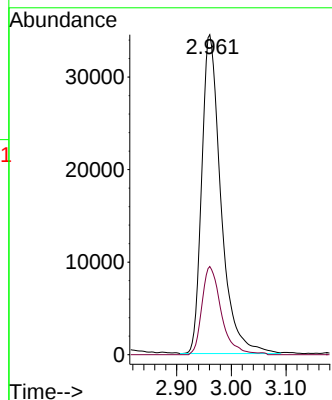
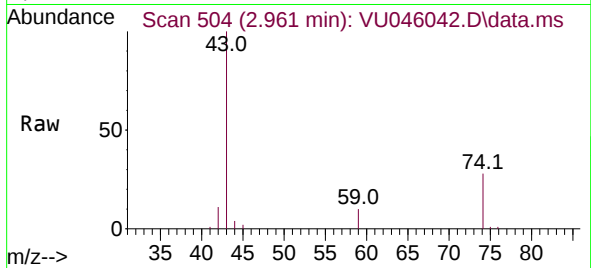




#15
Methyl Acetate
Concen: 48.222 ug/L
RT: 2.961 min Scan# 504
Delta R.T. -0.003 min
Lab File: VU046042.D
Acq: 02 Dec 2021 09:52

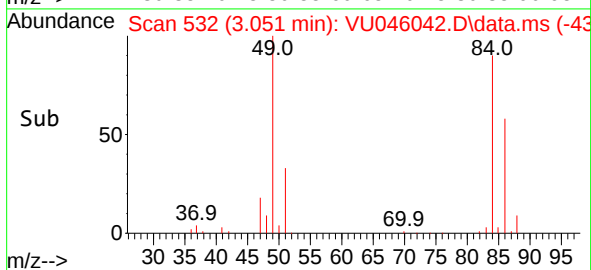
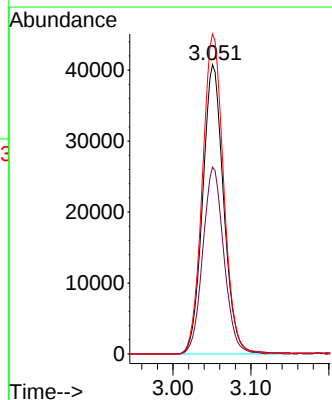
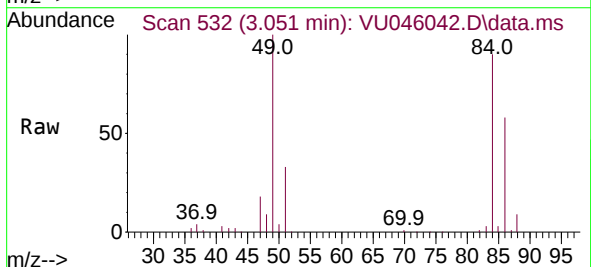
Instrument :
MSVOA_U
ClientSampleId :

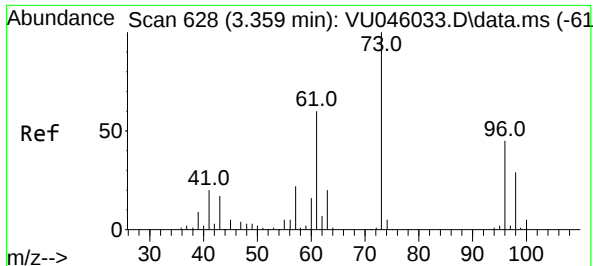
Tgt Ion: 43 Resp: 84075
Ion Ratio Lower Upper
43 100
74 27.7 20.8 31.2



#16
Methylene chloride
Concen: 50.741 ug/L
RT: 3.051 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU046042.D
Acq: 02 Dec 2021 09:52

Tgt Ion: 84 Resp: 76282
Ion Ratio Lower Upper
84 100
86 64.5 44.7 83.1
49 110.5 78.4 145.6





#17

trans-1,2-Dichloroethene

Concen: 53.399 ug/L

RT: 3.359 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU046042.D

Acq: 02 Dec 2021 09:52

Instrument :

MSVOA_U

ClientSampleId :

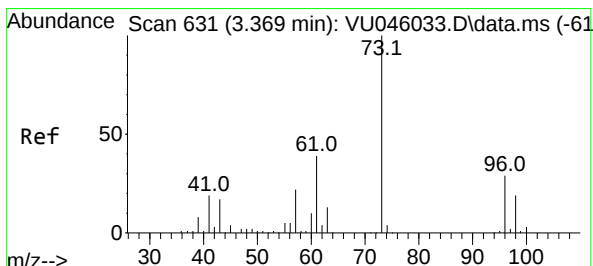
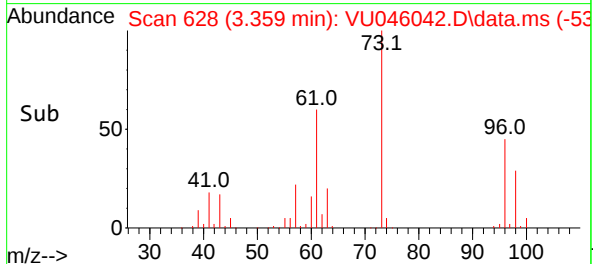
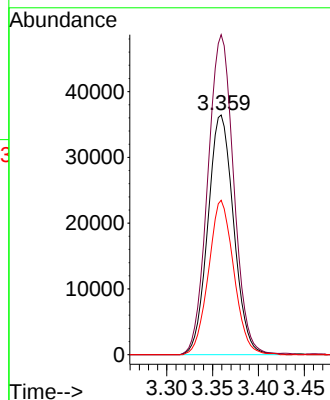
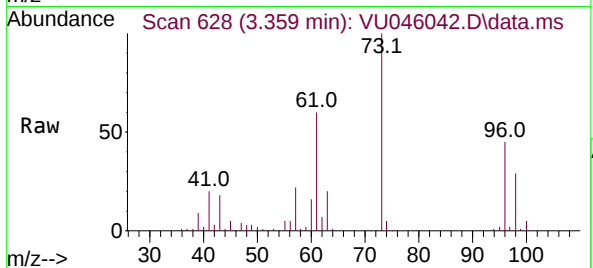
Tgt Ion: 96 Resp: 71406

Ion Ratio Lower Upper

96 100

61 133.5 94.6 175.6

98 64.4 44.0 81.8



#18

Methyl tert-butyl Ether

Concen: 54.269 ug/L

RT: 3.369 min Scan# 631

Delta R.T. -0.000 min

Lab File: VU046042.D

Acq: 02 Dec 2021 09:52

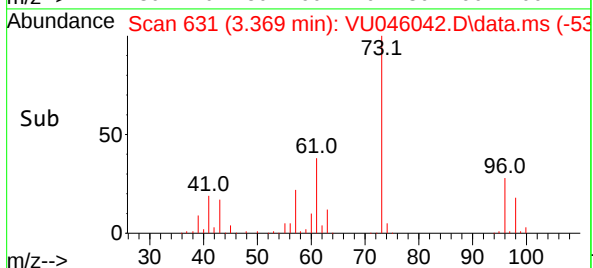
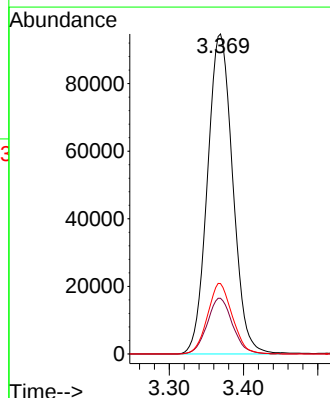
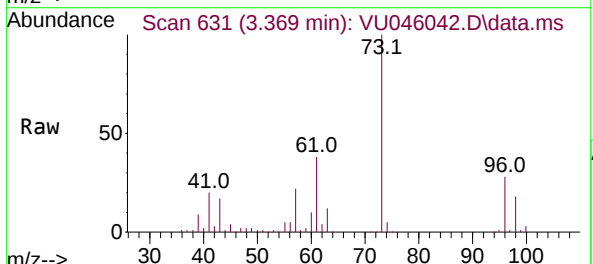
Tgt Ion: 73 Resp: 223646

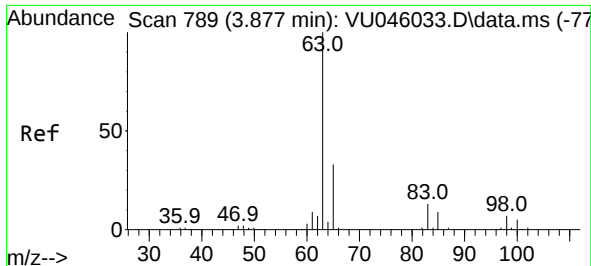
Ion Ratio Lower Upper

73 100

43 17.5 14.0 21.0

57 21.6 17.0 25.4





#19

1,1-Dichloroethane

Concen: 54.343 ug/L

RT: 3.877 min Scan# 789

Delta R.T. -0.000 min

Lab File: VU046042.D

Acq: 02 Dec 2021 09:52

Instrument :

MSVOA_U

ClientSampleId :

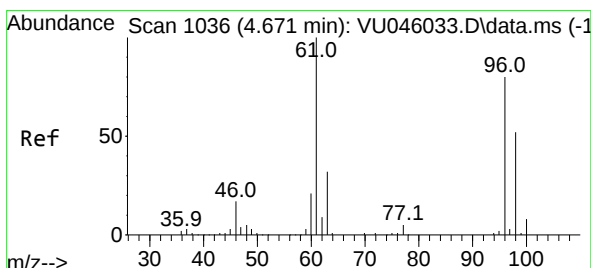
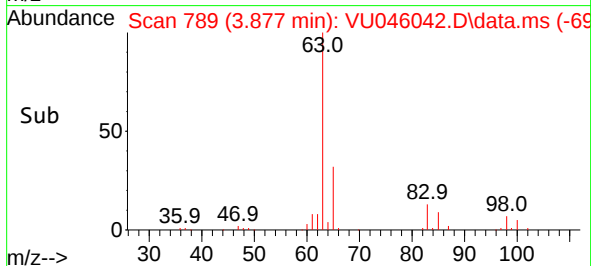
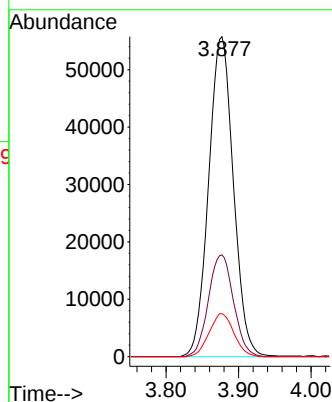
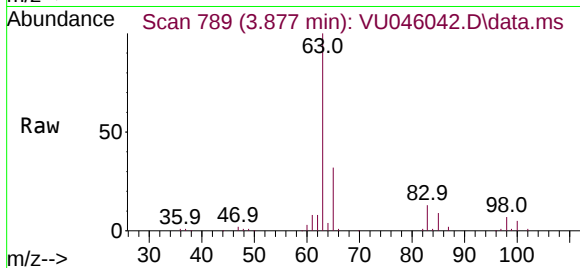
Tgt Ion: 63 Resp: 132126

Ion Ratio Lower Upper

63 100

65 31.8 22.8 42.4

83 13.5 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 53.783 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VU046042.D

Acq: 02 Dec 2021 09:52

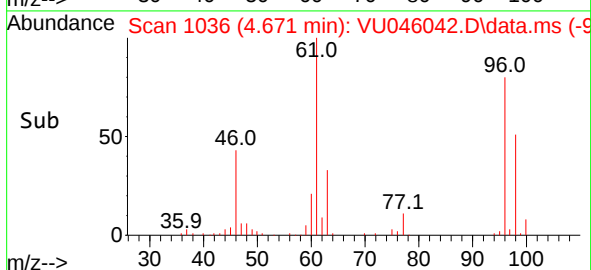
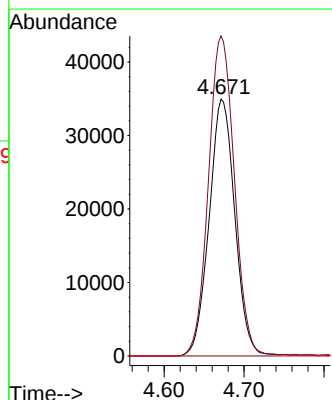
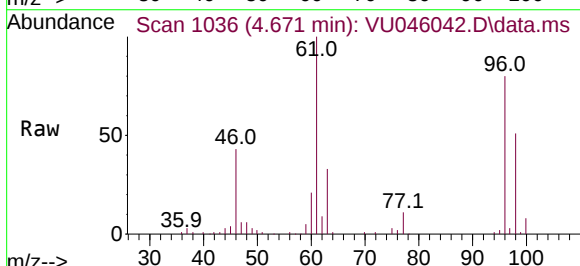
Tgt Ion: 96 Resp: 78036

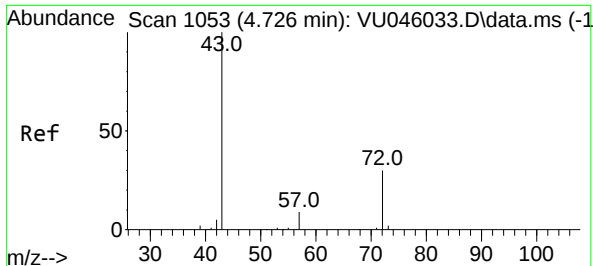
Ion Ratio Lower Upper

96 100

61 124.6 86.8 161.2

68 0.0 0.0 0.0

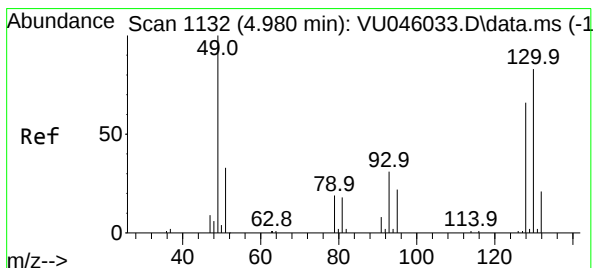
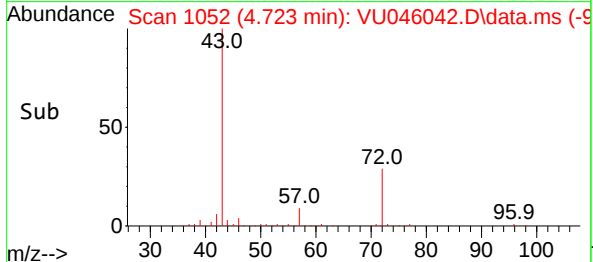
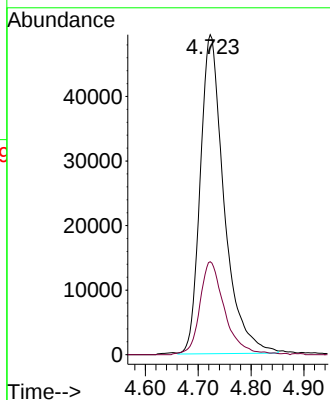
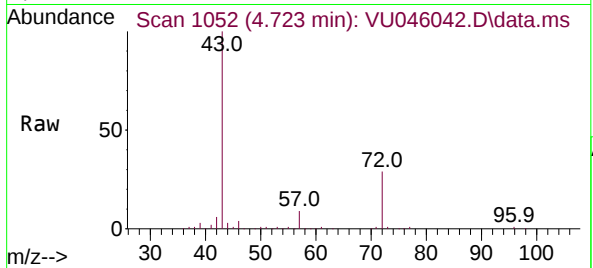




#22
2-Butanone
Concen: 95.057 ug/L
RT: 4.723 min Scan# 1052
Delta R.T. -0.003 min
Lab File: VU046042.D
Acq: 02 Dec 2021 09:52

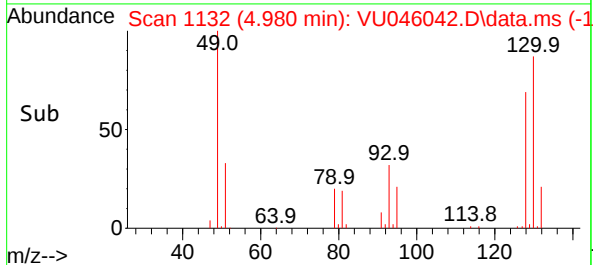
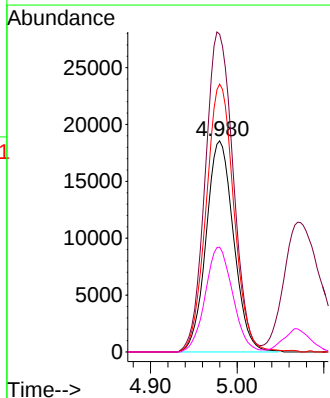
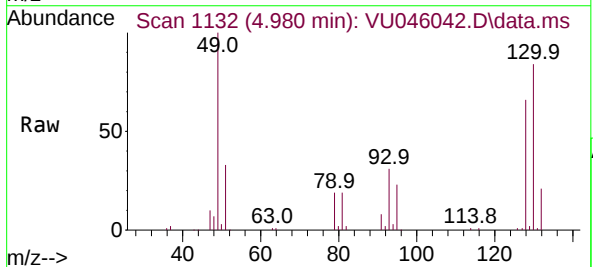
Instrument :
MSVOA_U
ClientSampleId :

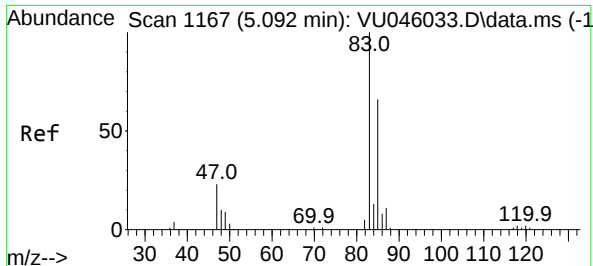
Tgt Ion: 43 Resp: 154763
Ion Ratio Lower Upper
43 100
72 29.9 14.5 43.6



#23
Bromochloromethane
Concen: 55.893 ug/L
RT: 4.980 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VU046042.D
Acq: 02 Dec 2021 09:52

Tgt Ion:128 Resp: 40959
Ion Ratio Lower Upper
128 100
49 150.6 115.9 215.3
130 127.0 91.8 170.4
51 49.7 40.3 60.5





#25

Chloroform

Concen: 53.040 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.000 min

Lab File: VU046042.D

Acq: 02 Dec 2021 09:52

Instrument :

MSVOA_U

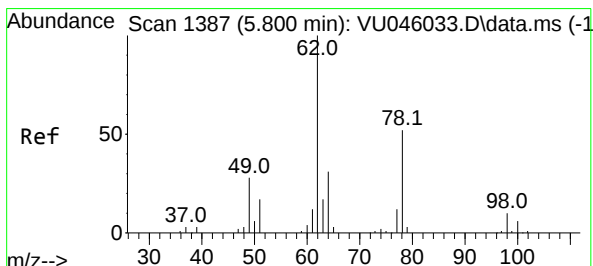
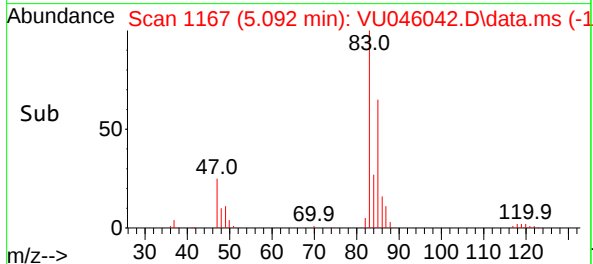
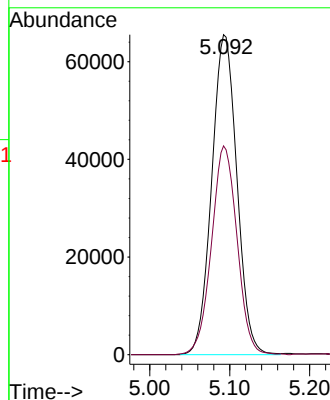
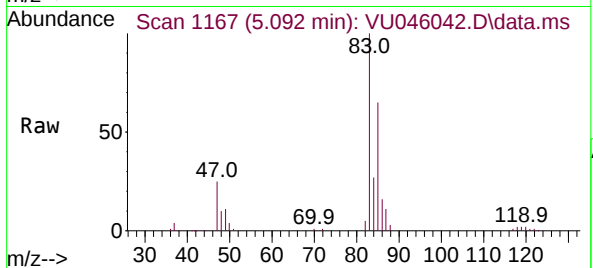
ClientSampleId :

Tgt Ion: 83 Resp: 143282

Ion Ratio Lower Upper

83 100

85 65.3 45.8 85.2



#27

1,2-Dichloroethane

Concen: 52.935 ug/L

RT: 5.800 min Scan# 1387

Delta R.T. -0.000 min

Lab File: VU046042.D

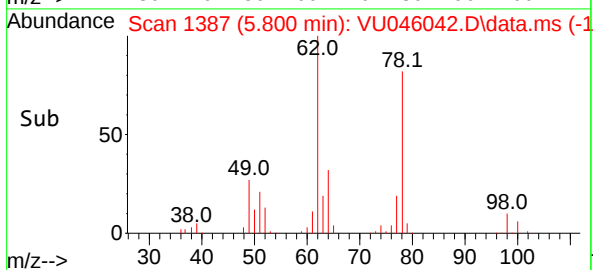
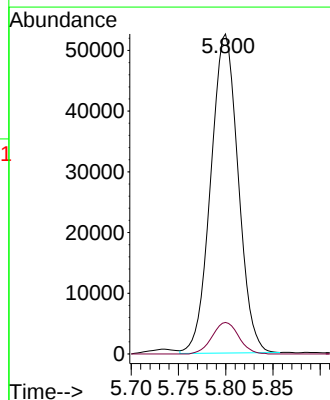
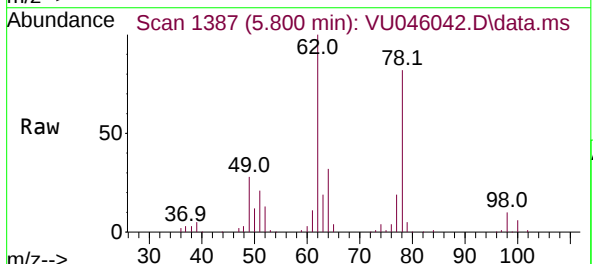
Acq: 02 Dec 2021 09:52

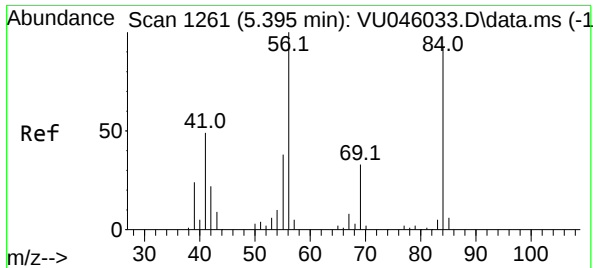
Tgt Ion: 62 Resp: 106113

Ion Ratio Lower Upper

62 100

98 9.9 7.9 11.9

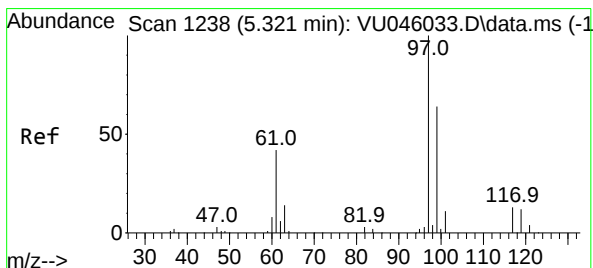
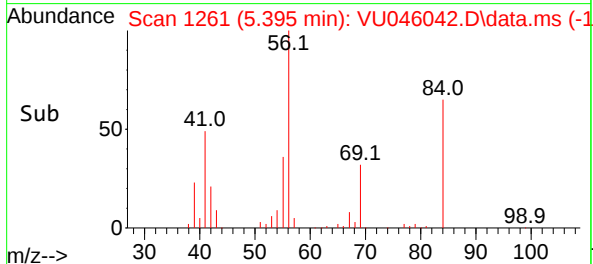
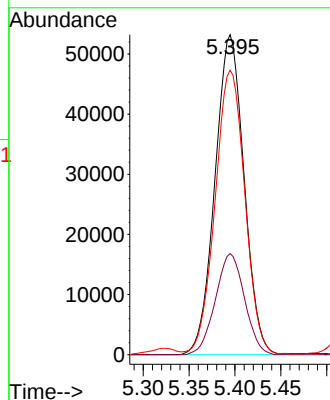
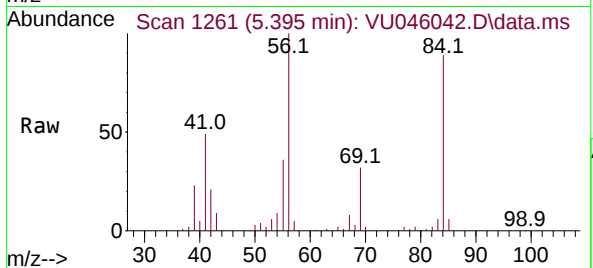




#29
Cyclohexane
Concen: 55.584 ug/L
RT: 5.395 min Scan# 1261
Delta R.T. -0.000 min
Lab File: VU046042.D
Acq: 02 Dec 2021 09:52

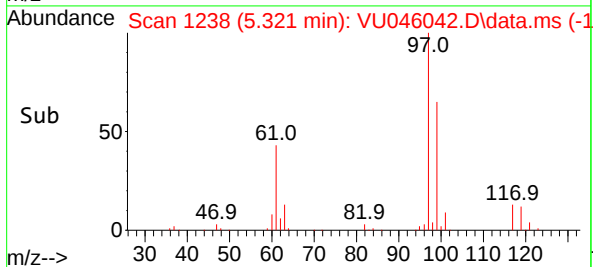
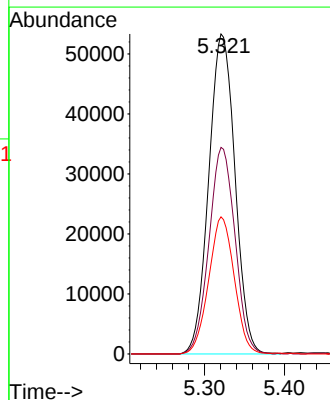
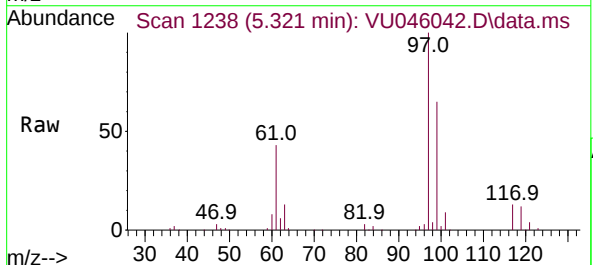
Instrument :
MSVOA_U
ClientSampleId :

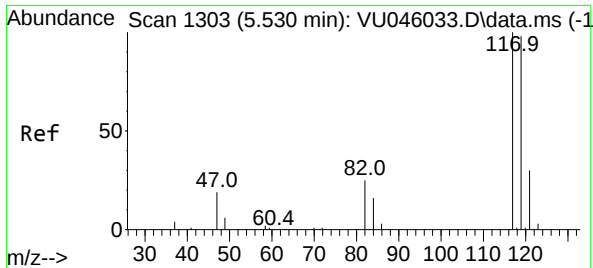
Tgt Ion: 56 Resp: 117167
Ion Ratio Lower Upper
56 100
69 31.7 25.2 37.8
84 91.1 73.3 109.9



#30
1,1,1-Trichloroethane
Concen: 54.675 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VU046042.D
Acq: 02 Dec 2021 09:52

Tgt Ion: 97 Resp: 121493
Ion Ratio Lower Upper
97 100
99 64.1 51.8 77.6
61 41.7 34.4 51.6

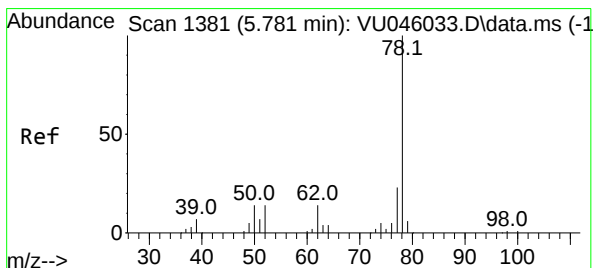
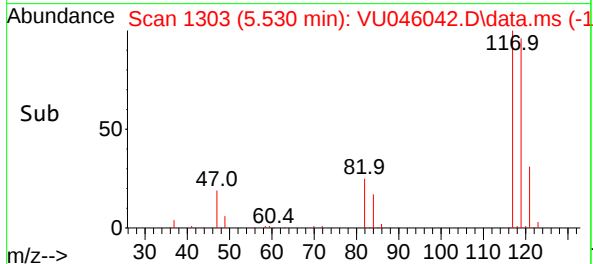
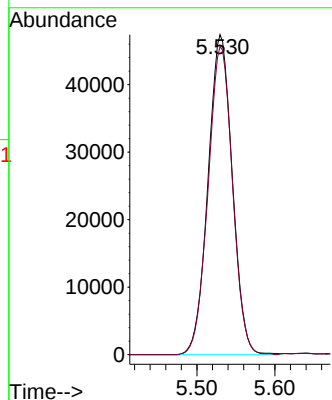
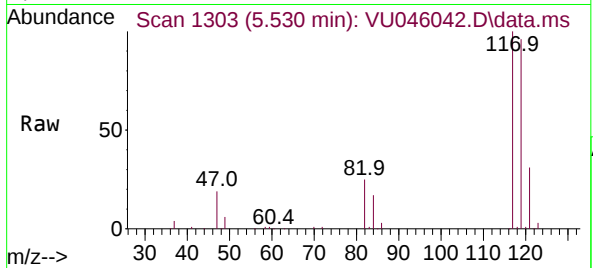




#31
Carbon tetrachloride
Concen: 54.340 ug/L
RT: 5.530 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU046042.D
Acq: 02 Dec 2021 09:52

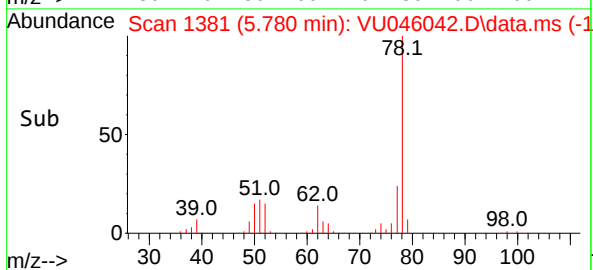
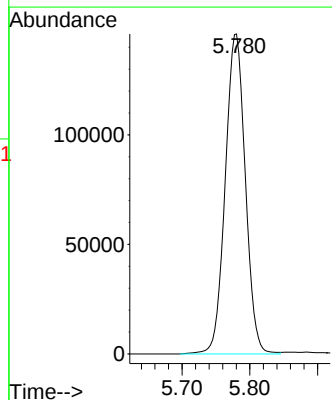
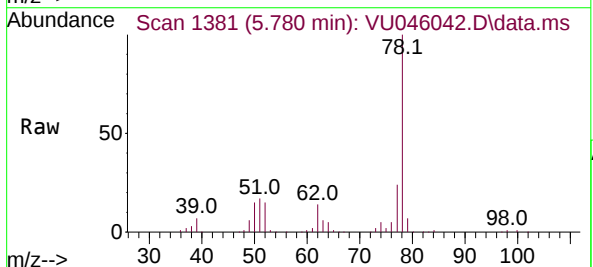
Instrument :
MSVOA_U
ClientSampleId :

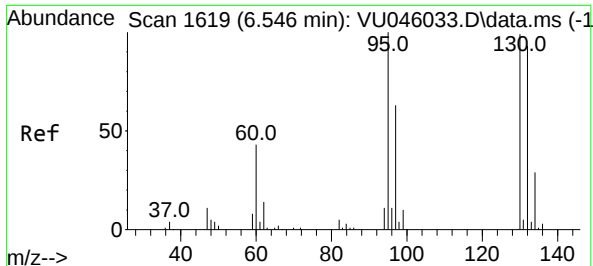
Tgt Ion:117 Resp: 102510
Ion Ratio Lower Upper
117 100
119 96.7 75.7 113.5



#33
Benzene
Concen: 54.924 ug/L
RT: 5.780 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VU046042.D
Acq: 02 Dec 2021 09:52

Tgt Ion: 78 Resp: 300926

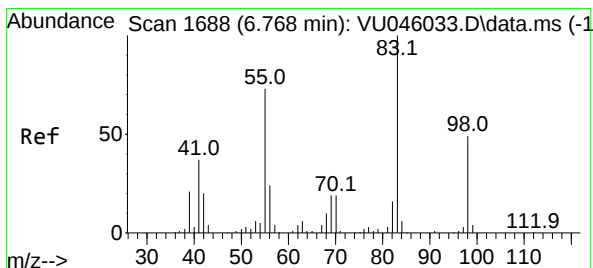
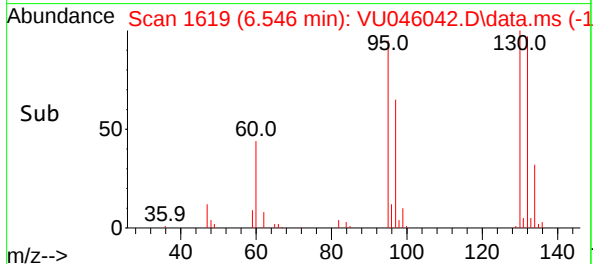
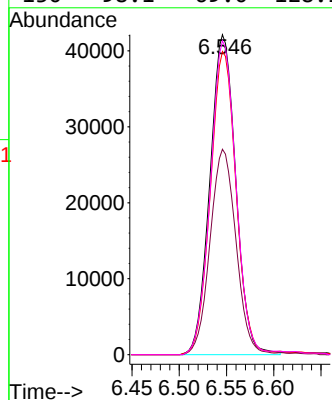
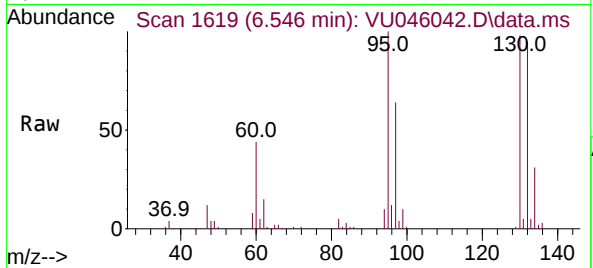




#34
Trichloroethene
Concen: 55.482 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU046042.D
Acq: 02 Dec 2021 09:52

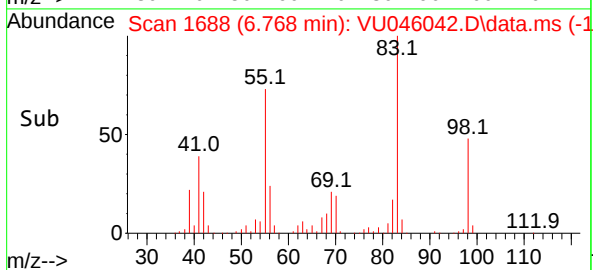
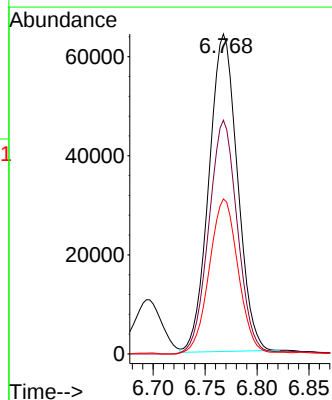
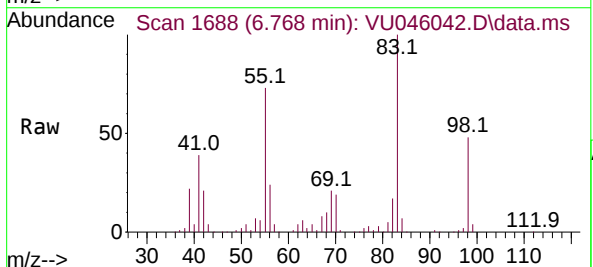
Instrument :
MSVOA_U
ClientSampleId :

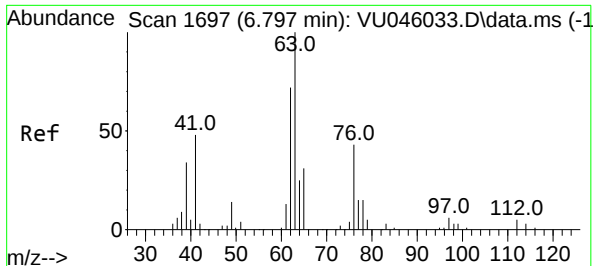
Tgt Ion: 95 Resp: 80082
Ion Ratio Lower Upper
95 100
97 64.2 44.1 81.9
132 94.7 66.8 124.0
130 98.1 69.0 128.1



#35
Methylcyclohexane
Concen: 54.690 ug/L
RT: 6.768 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VU046042.D
Acq: 02 Dec 2021 09:52

Tgt Ion: 83 Resp: 122398
Ion Ratio Lower Upper
83 100
55 74.4 57.8 86.6
98 49.5 38.4 57.6





#37

1,2-Dichloropropane

Concen: 54.090 ug/L

RT: 6.793 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU046042.D

Acq: 02 Dec 2021 09:52

Instrument :

MSVOA_U

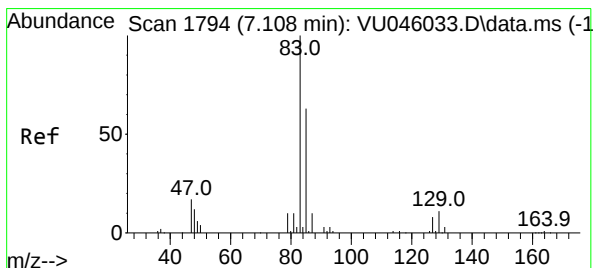
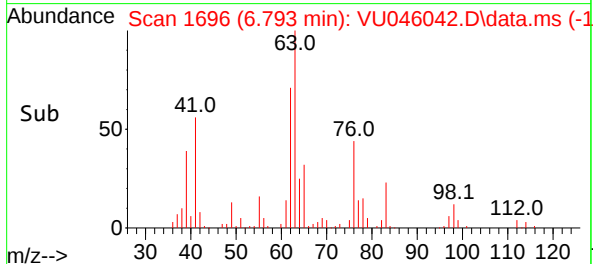
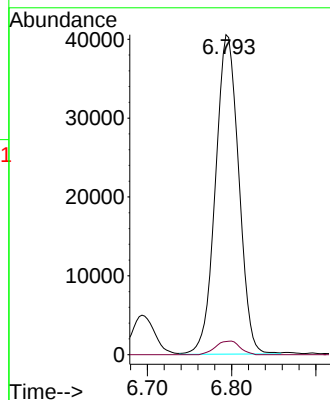
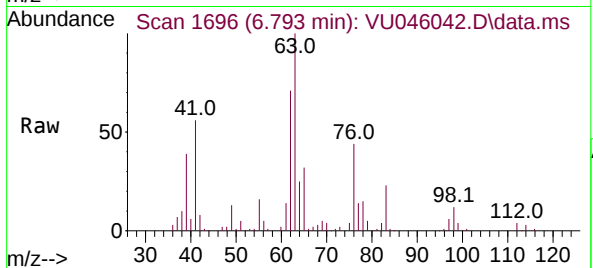
ClientSampleId :

Tgt Ion: 63 Resp: 77633

Ion Ratio Lower Upper

63 100

112 4.5 3.8 5.6



#38

Bromodichloromethane

Concen: 54.347 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VU046042.D

Acq: 02 Dec 2021 09:52

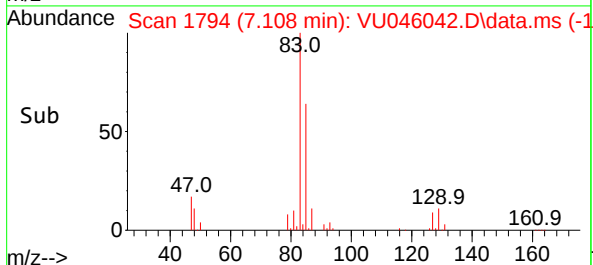
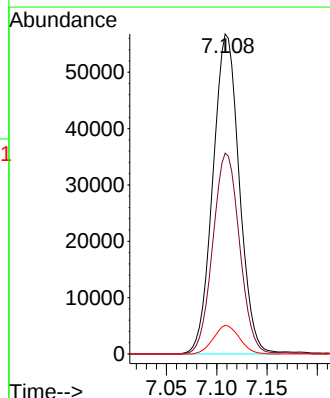
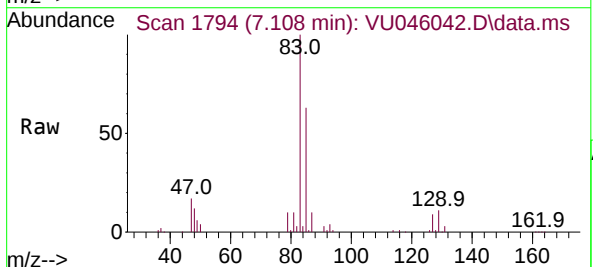
Tgt Ion: 83 Resp: 103677

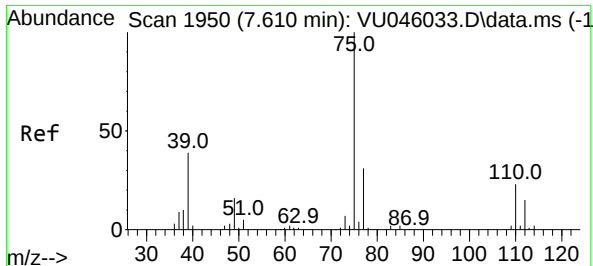
Ion Ratio Lower Upper

83 100

85 62.7 44.4 82.5

127 8.9 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 56.877 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VU046042.D

Acq: 02 Dec 2021 09:52

Instrument :

MSVOA_U

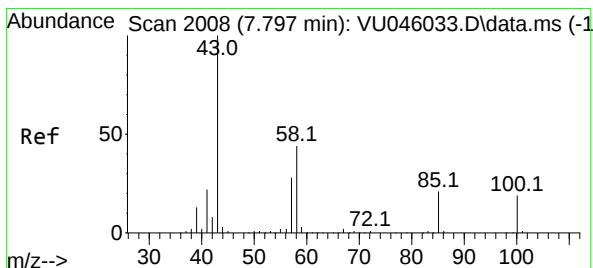
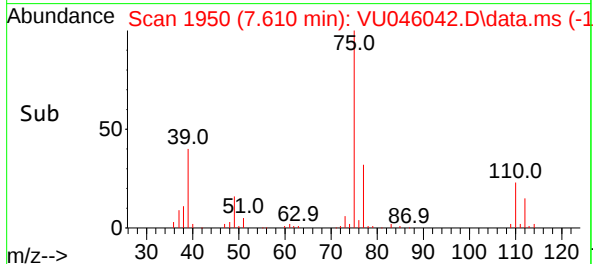
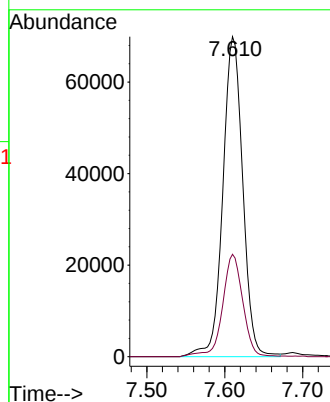
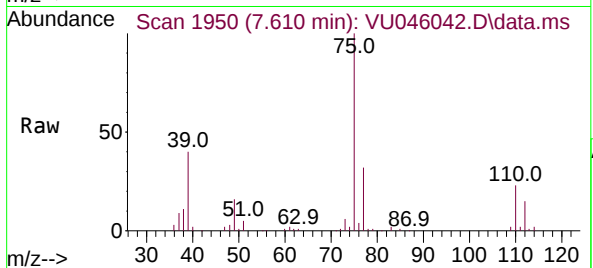
ClientSampleId :

Tgt Ion: 75 Resp: 124186

Ion Ratio Lower Upper

75 100

77 32.0 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 106.562 ug/L

RT: 7.796 min Scan# 2008

Delta R.T. -0.000 min

Lab File: VU046042.D

Acq: 02 Dec 2021 09:52

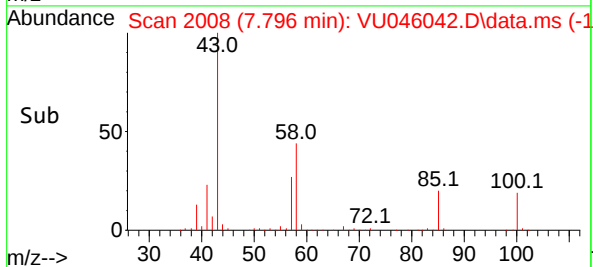
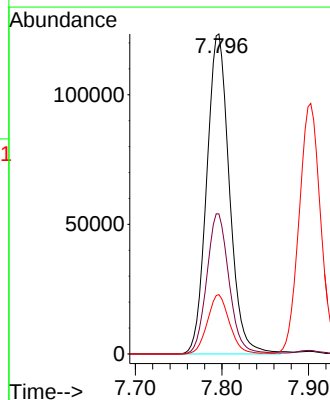
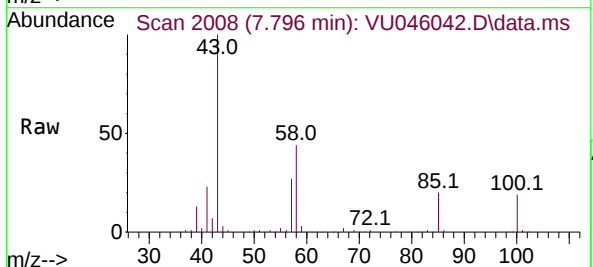
Tgt Ion: 43 Resp: 224710

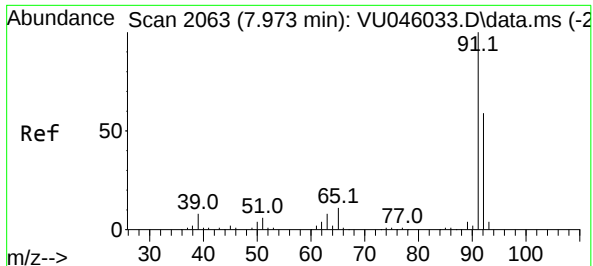
Ion Ratio Lower Upper

43 100

58 43.3 34.2 51.4

100 18.1 14.5 21.7





#42

Toluene

Concen: 55.311 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VU046042.D

Acq: 02 Dec 2021 09:52

Instrument :

MSVOA_U

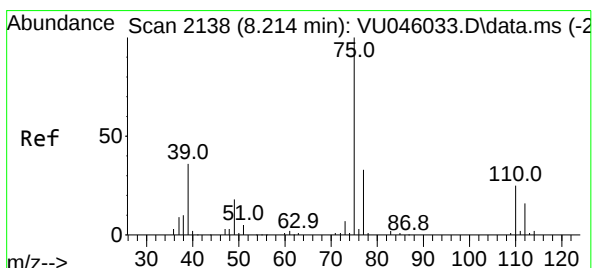
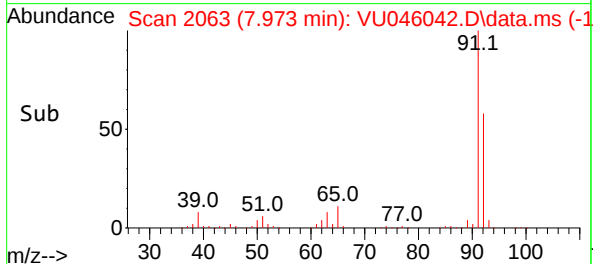
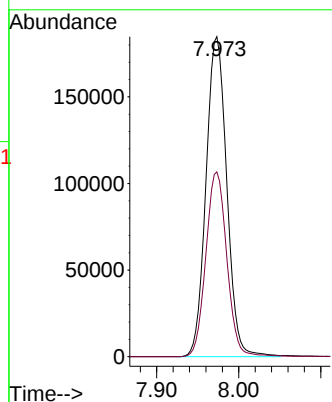
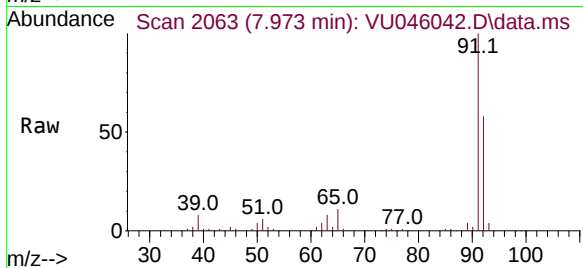
ClientSampleId :

Tgt Ion: 91 Resp: 325175

Ion Ratio Lower Upper

91 100

92 57.8 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 55.067 ug/L

RT: 8.214 min Scan# 2138

Delta R.T. -0.000 min

Lab File: VU046042.D

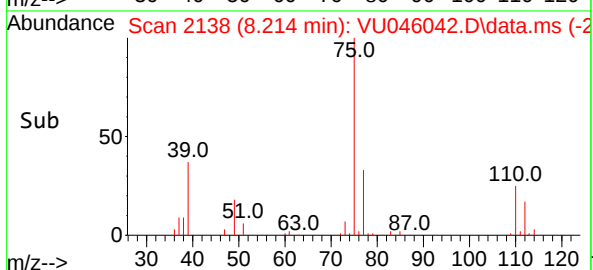
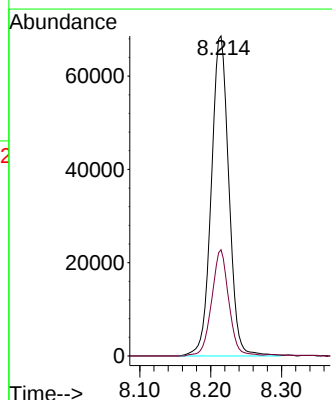
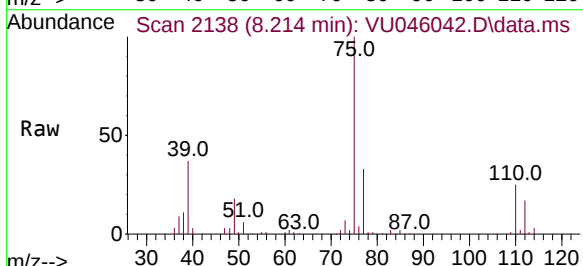
Acq: 02 Dec 2021 09:52

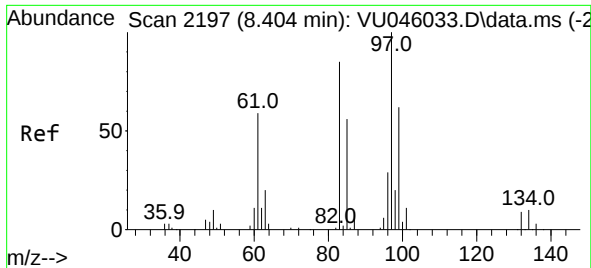
Tgt Ion: 75 Resp: 118091

Ion Ratio Lower Upper

75 100

77 33.2 21.7 40.3

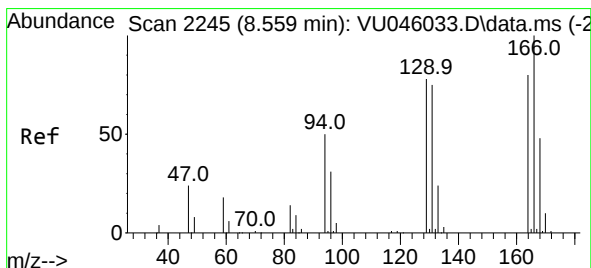
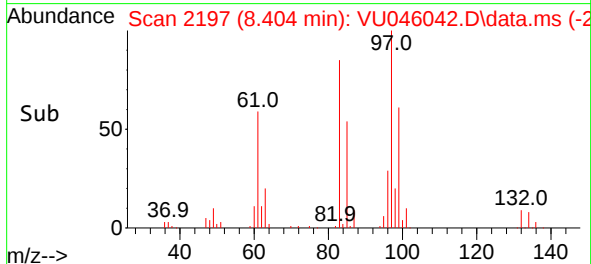
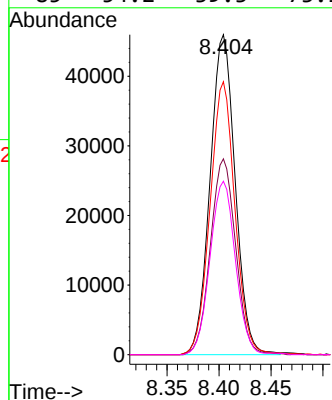
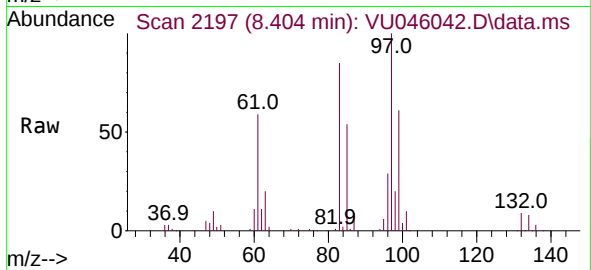




#45
1,1,2-Trichloroethane
Concen: 53.677 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. -0.000 min
Lab File: VU046042.D
Acq: 02 Dec 2021 09:52

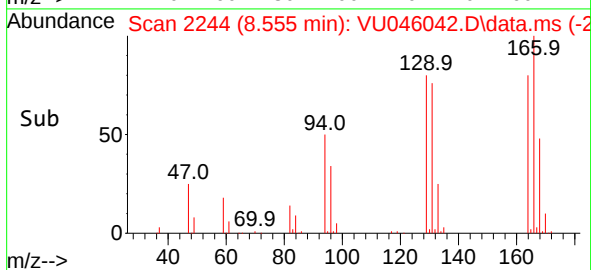
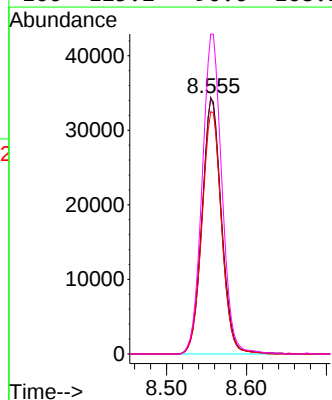
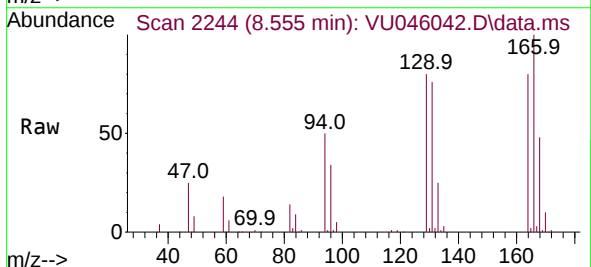
Instrument :
MSVOA_U
ClientSampleId :

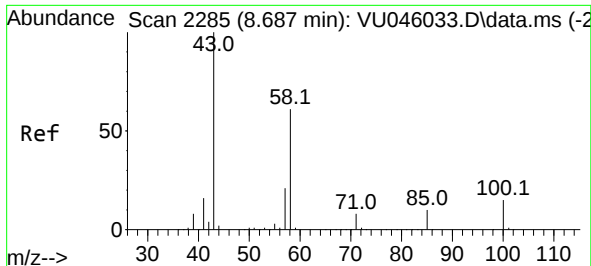
Tgt Ion:	97	Resp:	77290
Ion	Ratio	Lower	Upper
97	100		
99	61.2	44.7	82.9
83	85.3	60.2	111.8
85	54.2	39.3	73.1



#46
Tetrachloroethene
Concen: 54.868 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.003 min
Lab File: VU046042.D
Acq: 02 Dec 2021 09:52

Tgt Ion:	164	Resp:	58199
Ion	Ratio	Lower	Upper
164	100		
129	100.3	71.1	132.1
131	94.8	67.8	126.0
166	125.2	90.6	168.2



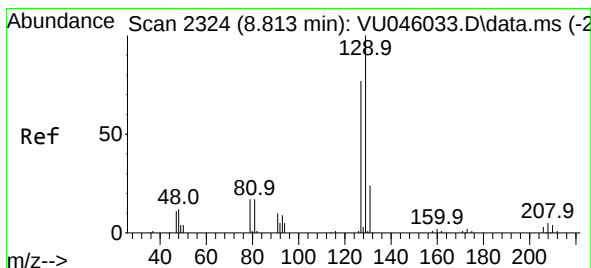
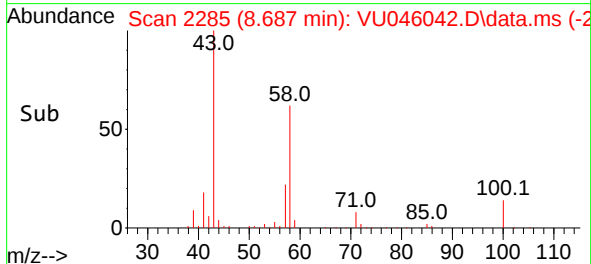
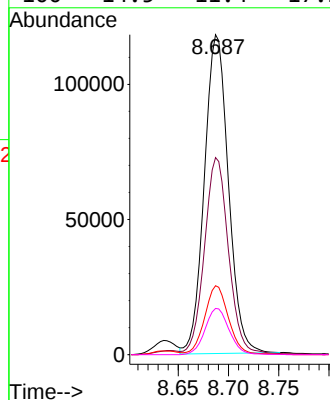
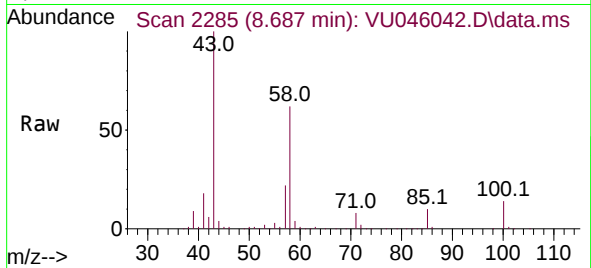


#48
2-Hexanone
Concen: 104.133 ug/L
RT: 8.687 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU046042.D
Acq: 02 Dec 2021 09:52

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 196382

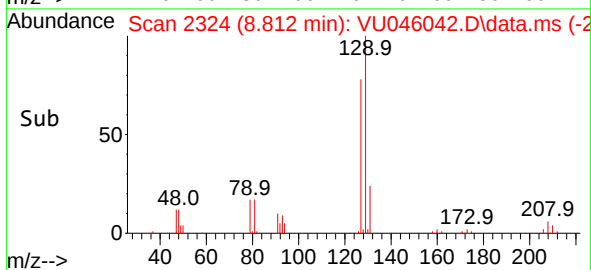
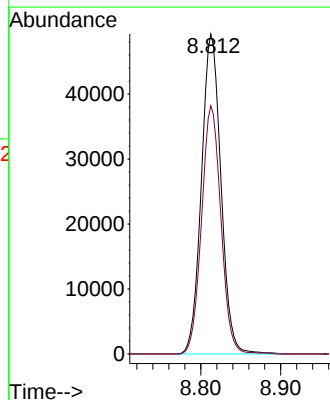
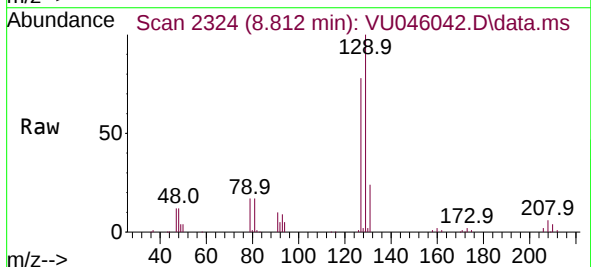
Ion	Ratio	Lower	Upper
43	100		
58	62.1	47.4	71.2
57	21.7	16.6	25.0
100	14.5	11.4	17.2

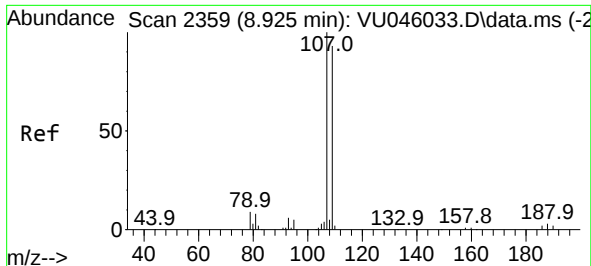


#49
Dibromochloromethane
Concen: 55.334 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. -0.000 min
Lab File: VU046042.D
Acq: 02 Dec 2021 09:52

Tgt Ion: 129 Resp: 83669

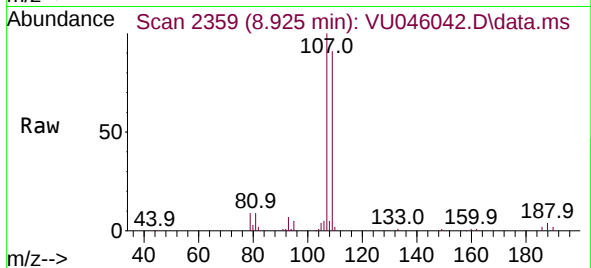
Ion	Ratio	Lower	Upper
129	100		
127	77.6	55.6	103.4



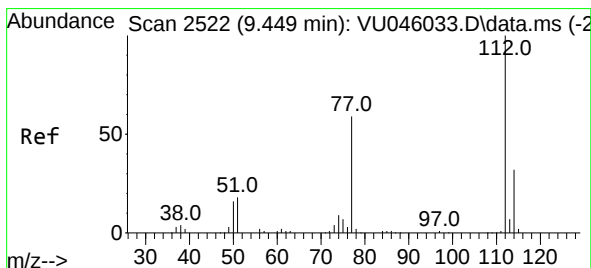
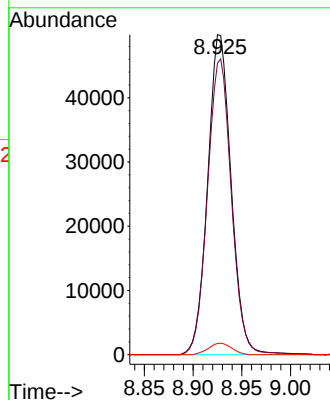
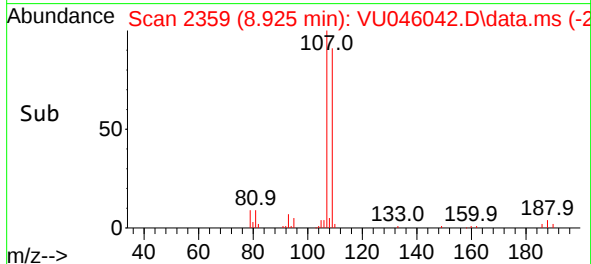


#50
1,2-Dibromoethane
Concen: 53.417 ug/L
RT: 8.925 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU046042.D
Acq: 02 Dec 2021 09:52

Instrument :
MSVOA_U
ClientSampleId :

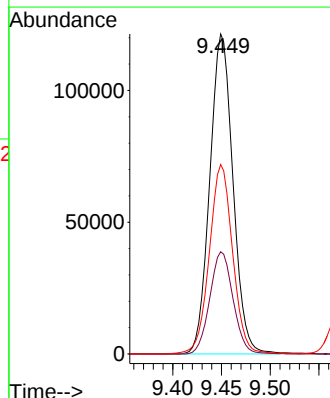
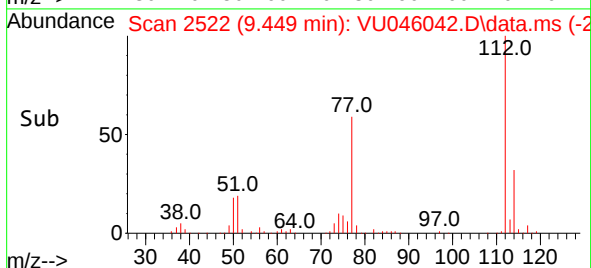
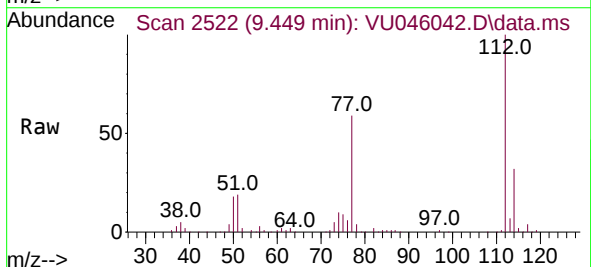


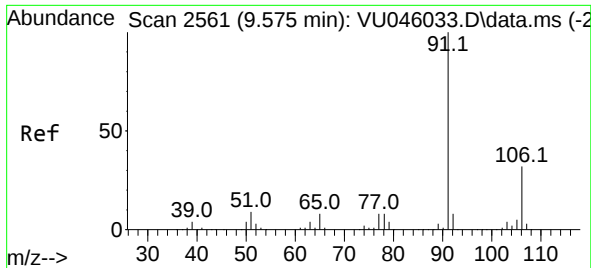
Tgt Ion:107 Resp: 83390
Ion Ratio Lower Upper
107 100
109 91.0 64.9 120.5
188 3.5 2.6 3.8



#51
Chlorobenzene
Concen: 52.857 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. -0.000 min
Lab File: VU046042.D
Acq: 02 Dec 2021 09:52

Tgt Ion:112 Resp: 201039
Ion Ratio Lower Upper
112 100
114 32.0 22.2 41.2
77 59.2 47.4 71.0

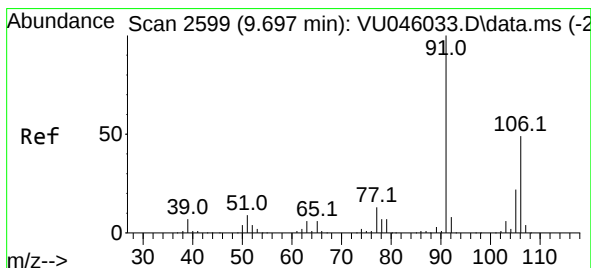
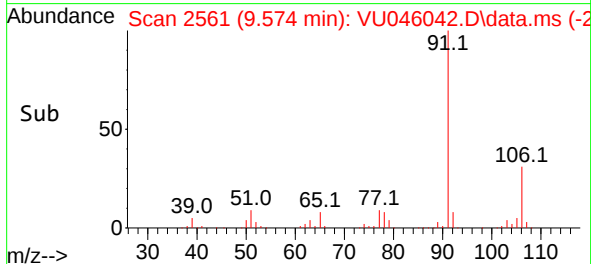
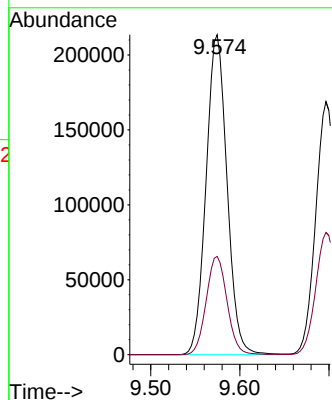
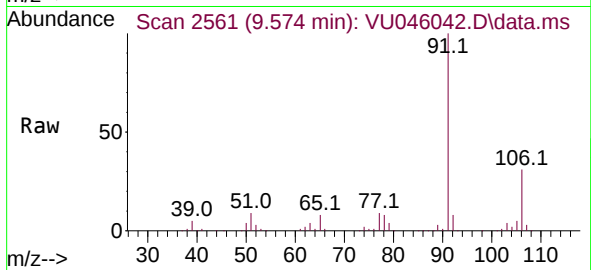




#52
Ethylbenzene
Concen: 55.093 ug/L
RT: 9.574 min Scan# 2561
Delta R.T. -0.000 min
Lab File: VU046042.D
Acq: 02 Dec 2021 09:52

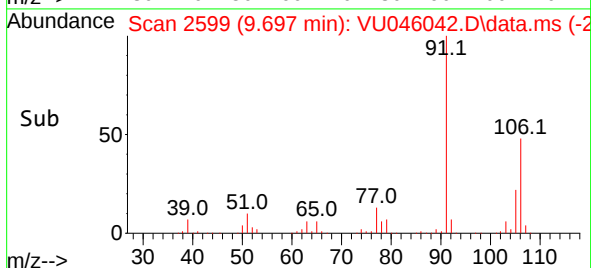
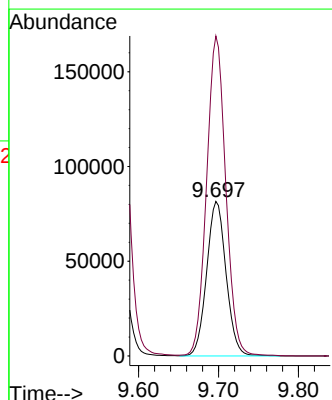
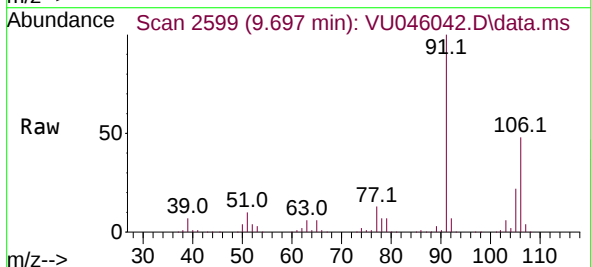
Instrument :
MSVOA_U
ClientSampleId :

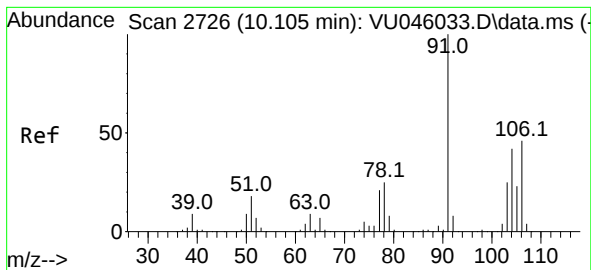
Tgt Ion: 91 Resp: 348582
Ion Ratio Lower Upper
91 100
106 30.7 21.1 39.3



#53
m,p-Xylene
Concen: 55.863 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. -0.000 min
Lab File: VU046042.D
Acq: 02 Dec 2021 09:52

Tgt Ion:106 Resp: 137842
Ion Ratio Lower Upper
106 100
91 207.1 144.3 268.1





#54

o-xylene

Concen: 55.263 ug/L

RT: 10.105 min Scan# 2726

Delta R.T. -0.000 min

Lab File: VU046042.D

Acq: 02 Dec 2021 09:52

Instrument :

MSVOA_U

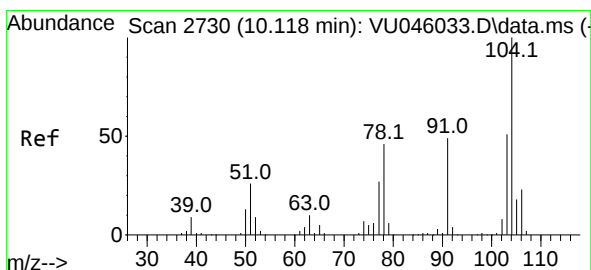
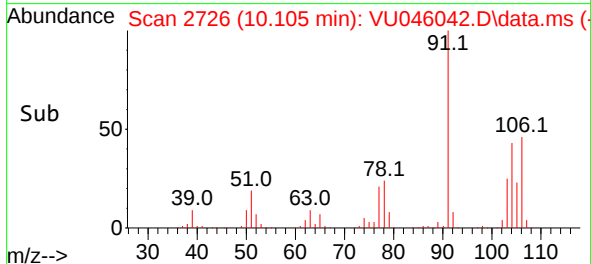
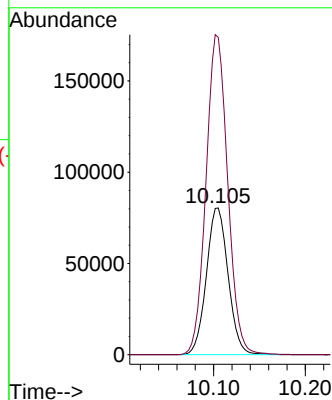
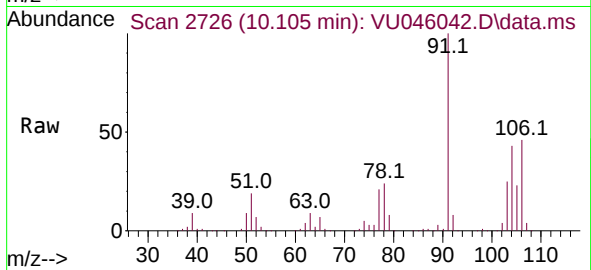
ClientSampleId :

Tgt Ion:106 Resp: 132316

Ion Ratio Lower Upper

106 100

91 216.2 154.2 286.4



#55

Styrene

Concen: 56.481 ug/L

RT: 10.118 min Scan# 2730

Delta R.T. -0.000 min

Lab File: VU046042.D

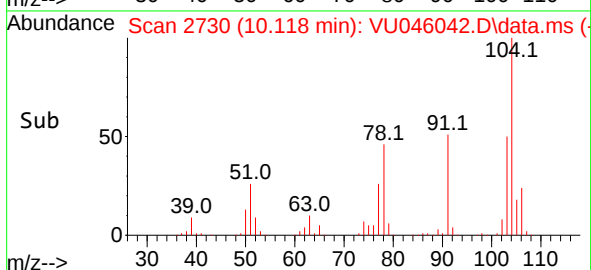
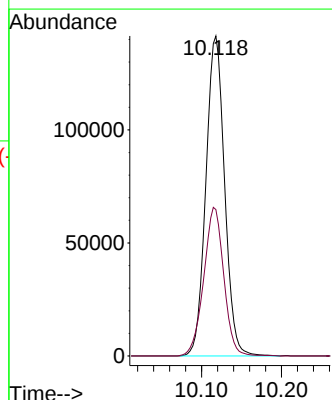
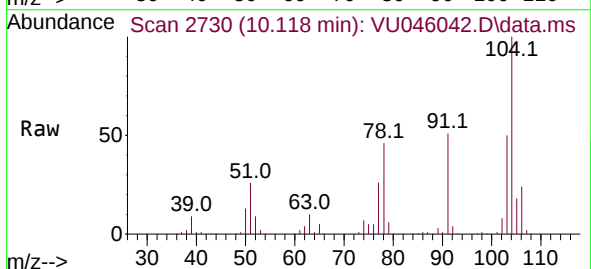
Acq: 02 Dec 2021 09:52

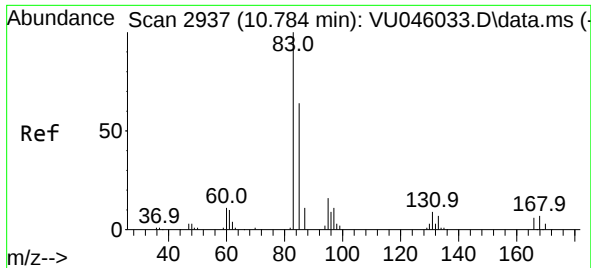
Tgt Ion:104 Resp: 230878

Ion Ratio Lower Upper

104 100

78 45.7 32.6 60.5





#57

1,1,2,2-Tetrachloroethane

Concen: 48.951 ug/L

RT: 10.787 min Scan# 2938

Delta R.T. 0.003 min

Lab File: VU046042.D

Acq: 02 Dec 2021 09:52

Instrument :

MSVOA_U

ClientSampleId :

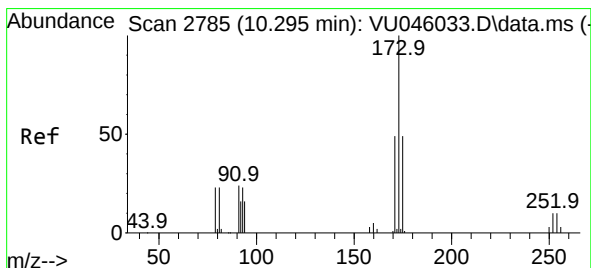
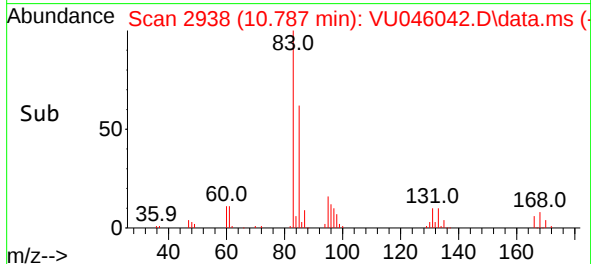
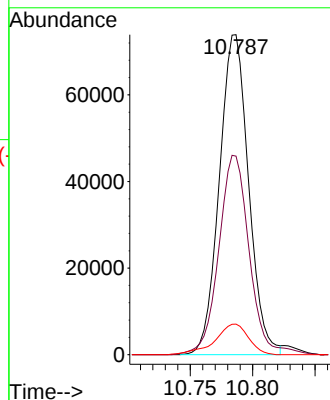
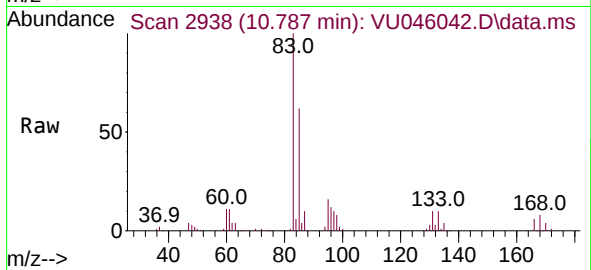
Tgt Ion: 83 Resp: 120843

Ion Ratio Lower Upper

83 100

85 62.0 45.6 84.6

131 9.6 7.8 11.6



#59

Bromoform

Concen: 53.891 ug/L

RT: 10.295 min Scan# 2785

Delta R.T. -0.000 min

Lab File: VU046042.D

Acq: 02 Dec 2021 09:52

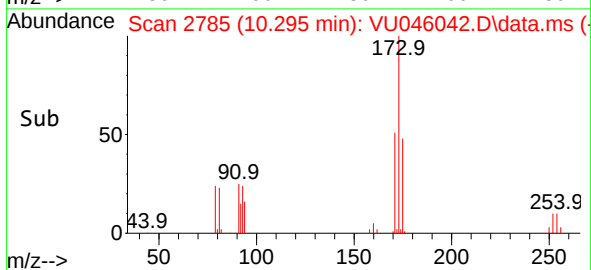
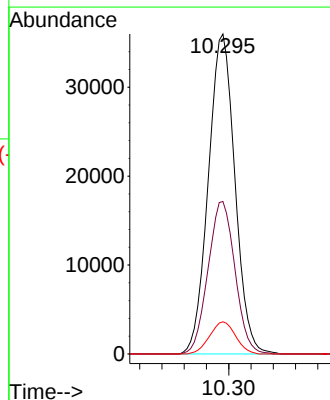
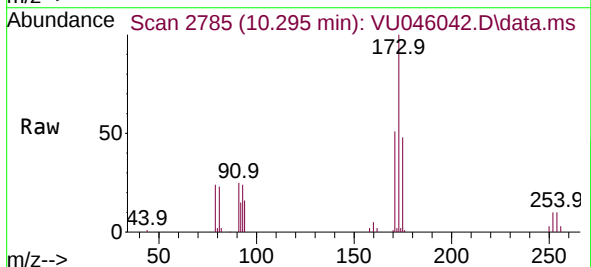
Tgt Ion:173 Resp: 59661

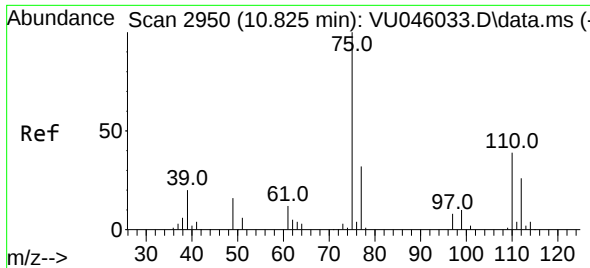
Ion Ratio Lower Upper

173 100

175 48.3 39.2 58.8

254 9.8 7.4 11.2

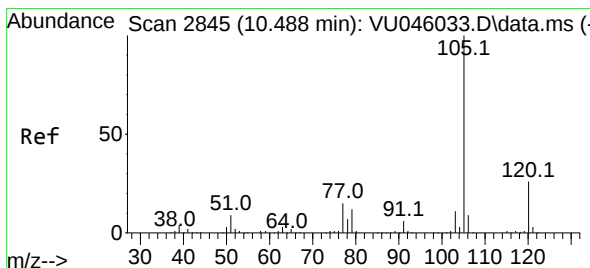
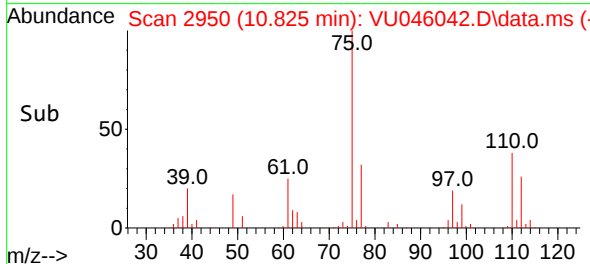
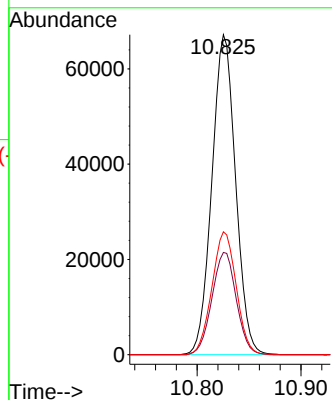
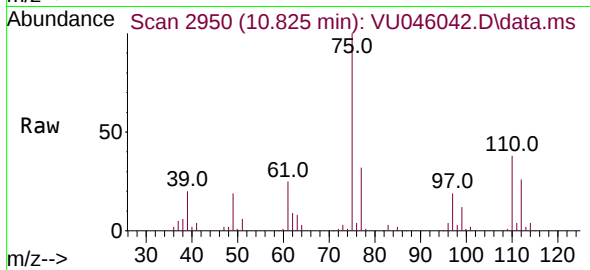




#60
1,2,3-Trichloropropane
Concen: 51.518 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. -0.000 min
Lab File: VU046042.D
Acq: 02 Dec 2021 09:52

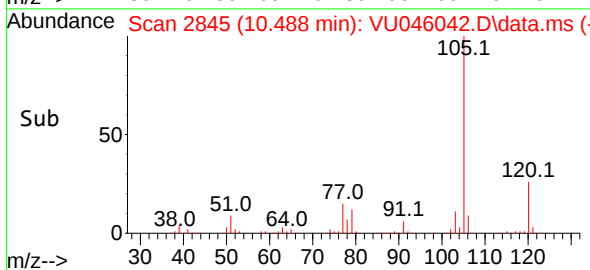
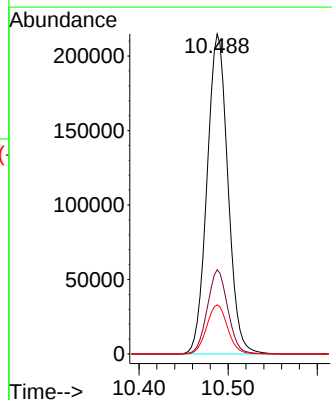
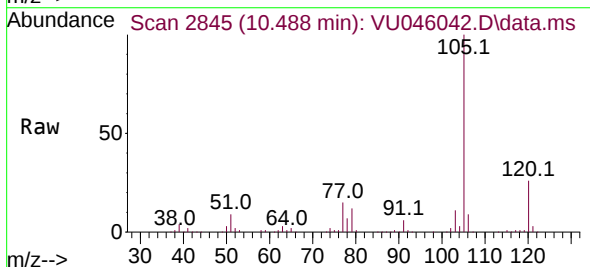
Instrument :
MSVOA_U
ClientSampleId :

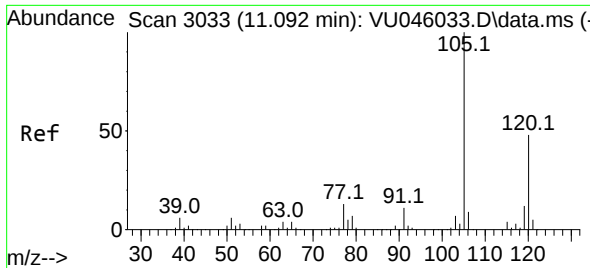
Tgt Ion: 75 Resp: 106575
Ion Ratio Lower Upper
75 100
77 32.8 26.4 39.6
110 39.3 32.4 48.6



#61
Isopropylbenzene
Concen: 56.789 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. -0.000 min
Lab File: VU046042.D
Acq: 02 Dec 2021 09:52

Tgt Ion: 105 Resp: 348694
Ion Ratio Lower Upper
105 100
120 25.9 20.7 31.1
77 15.4 12.2 18.4

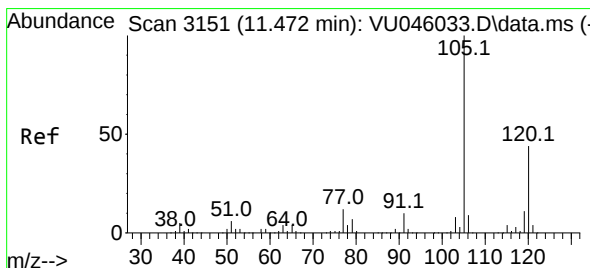
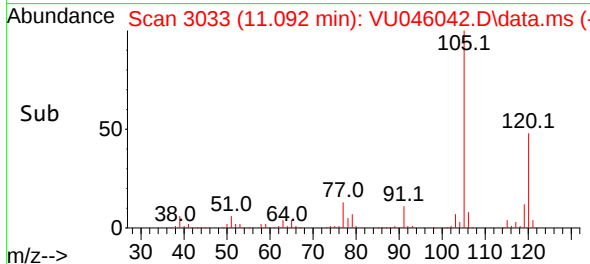
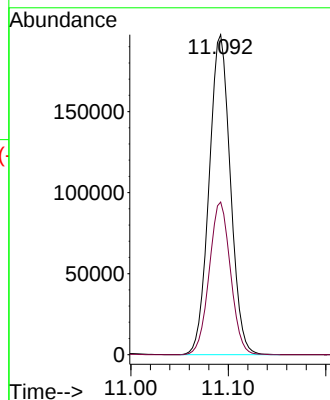
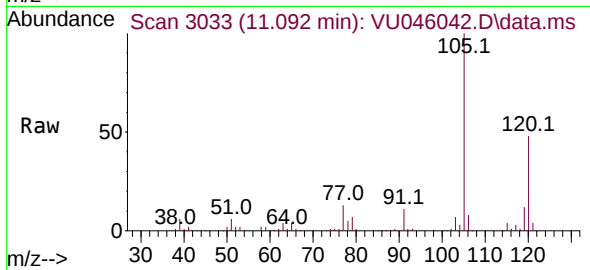




#62
1,3,5-Trimethylbenzene
Concen: 58.511 ug/L
RT: 11.092 min Scan# 3033
Delta R.T. -0.000 min
Lab File: VU046042.D
Acq: 02 Dec 2021 09:52

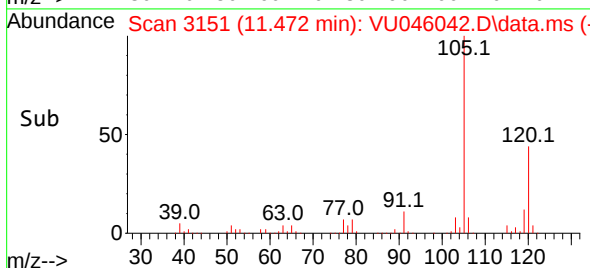
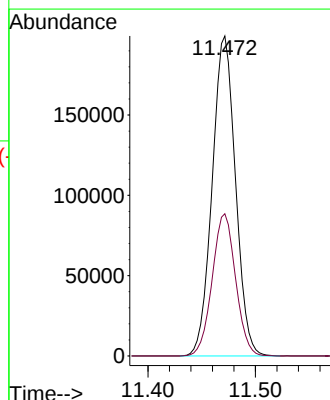
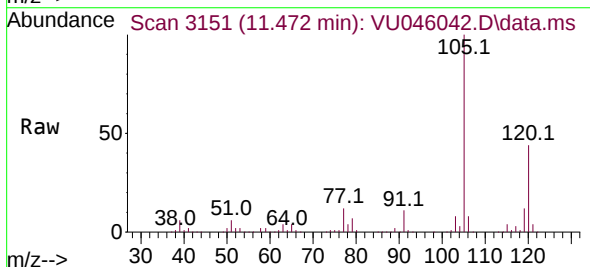
Instrument :
MSVOA_U
ClientSampleId :

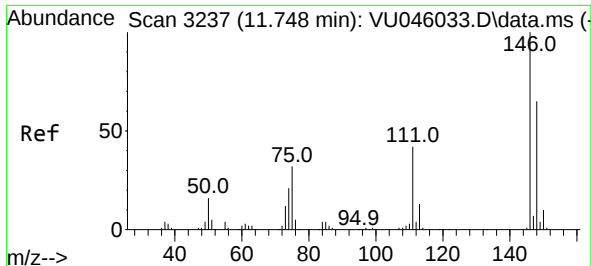
Tgt Ion:105 Resp: 299454
Ion Ratio Lower Upper
105 100
120 47.6 37.8 56.6



#63
1,2,4-Trimethylbenzene
Concen: 58.589 ug/L
RT: 11.472 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VU046042.D
Acq: 02 Dec 2021 09:52

Tgt Ion:105 Resp: 300001
Ion Ratio Lower Upper
105 100
120 44.6 35.2 52.8

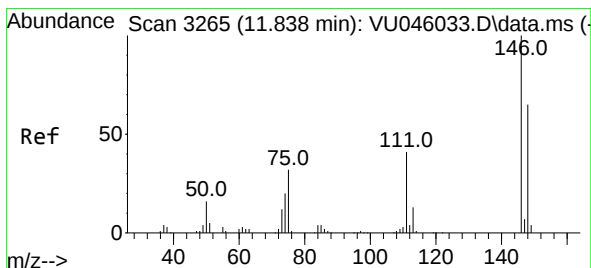
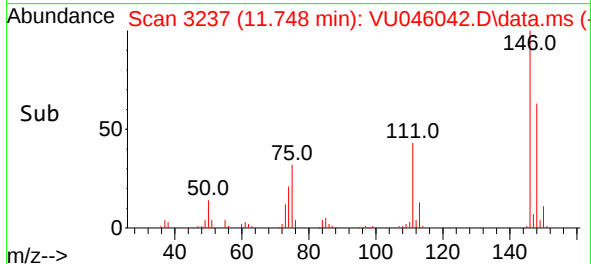
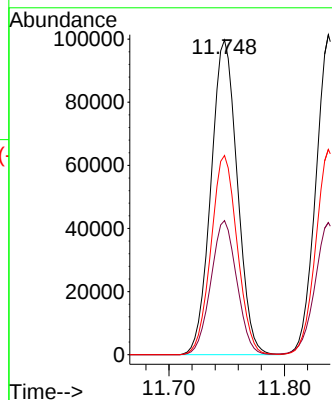
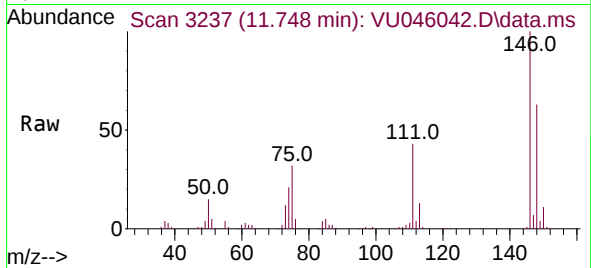




#64
1,3-Dichlorobenzene
Concen: 54.128 ug/L
RT: 11.748 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU046042.D
Acq: 02 Dec 2021 09:52

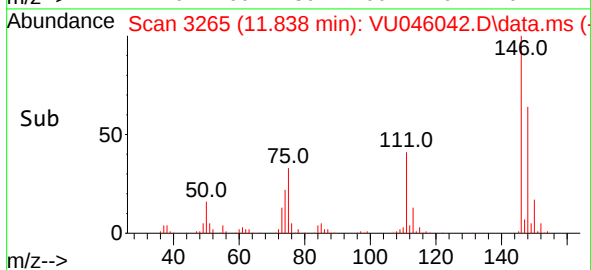
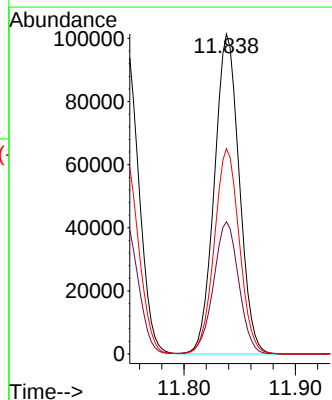
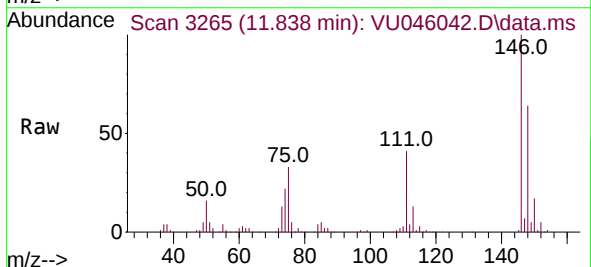
Instrument :
MSVOA_U
ClientSampleId :

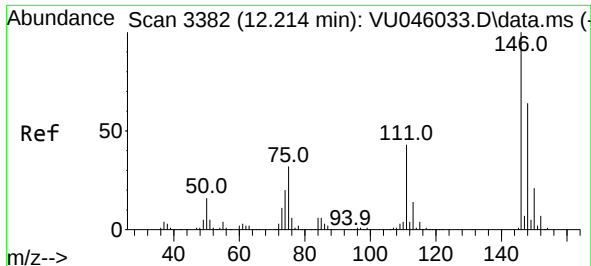
Tgt Ion:146 Resp: 157872
Ion Ratio Lower Upper
146 100
111 42.6 29.5 54.9
148 63.3 45.9 85.3



#65
1,4-Dichlorobenzene
Concen: 52.163 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. -0.000 min
Lab File: VU046042.D
Acq: 02 Dec 2021 09:52

Tgt Ion:146 Resp: 157237
Ion Ratio Lower Upper
146 100
111 41.3 28.3 52.7
148 64.2 43.8 81.3

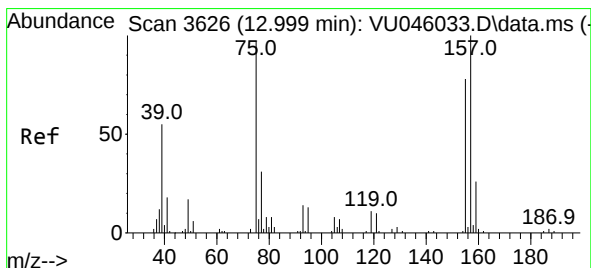
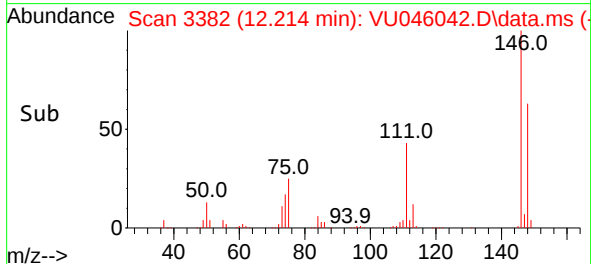
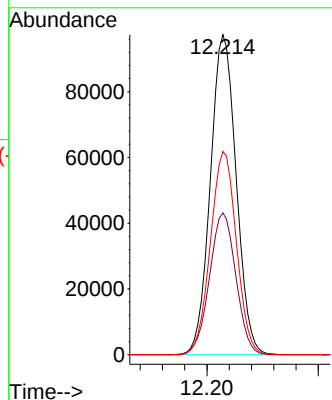
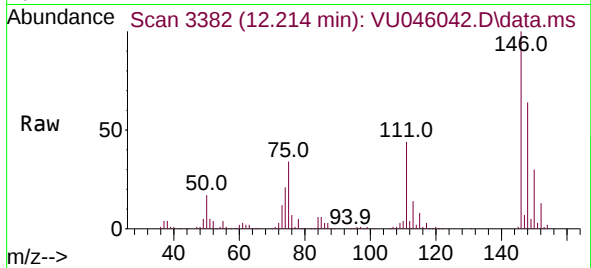




#67
1,2-Dichlorobenzene
Concen: 53.347 ug/L
RT: 12.214 min Scan# 3382
Delta R.T. -0.000 min
Lab File: VU046042.D
Acq: 02 Dec 2021 09:52

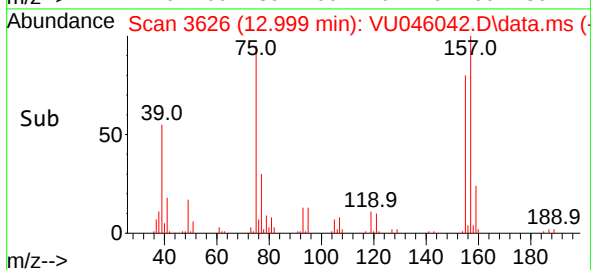
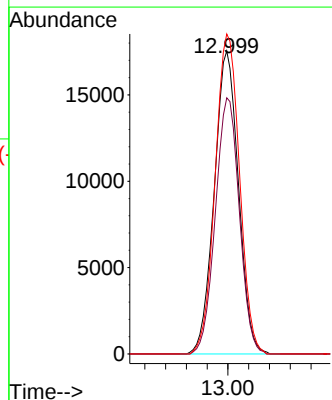
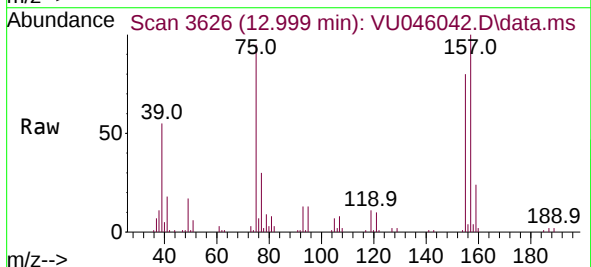
Instrument :
MSVOA_U
ClientSampleId :

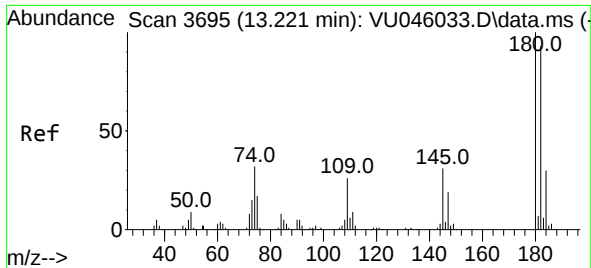
Tgt Ion:146 Resp: 156689
Ion Ratio Lower Upper
146 100
111 44.3 35.7 53.5
148 63.5 51.2 76.8



#68
1,2-Dibromo-3-chloropropane
Concen: 51.477 ug/L
RT: 12.999 min Scan# 3626
Delta R.T. -0.000 min
Lab File: VU046042.D
Acq: 02 Dec 2021 09:52

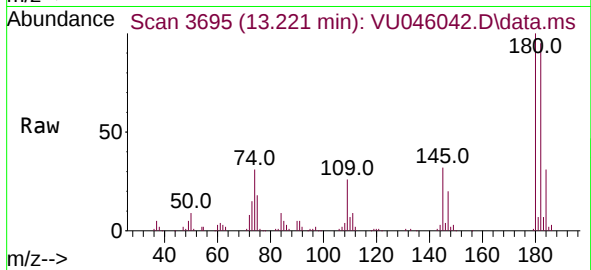
Tgt Ion: 75 Resp: 28369
Ion Ratio Lower Upper
75 100
155 84.5 64.9 97.3
157 105.6 81.9 122.9





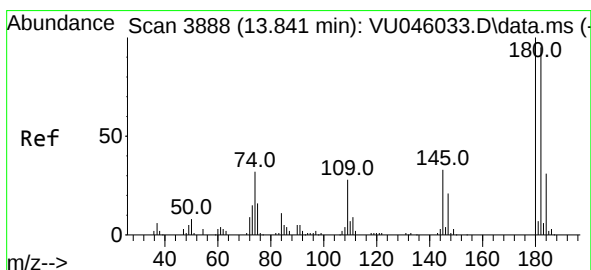
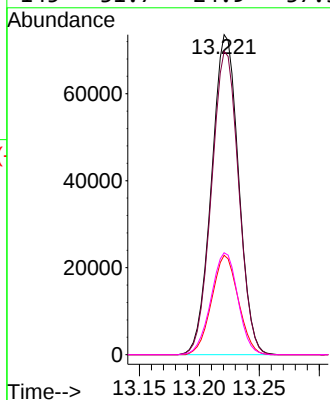
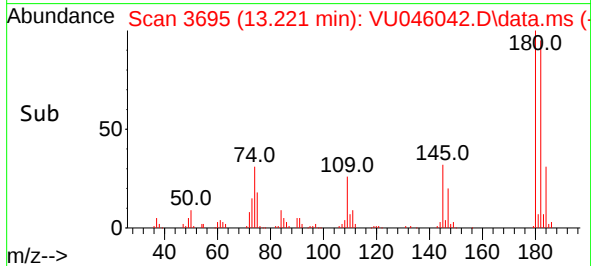
#69
 1,3,5-Trichlorobenzene
 Concen: 54.161 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. -0.000 min
 Lab File: VU046042.D
 Acq: 02 Dec 2021 09:52

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:180 Resp: 115102

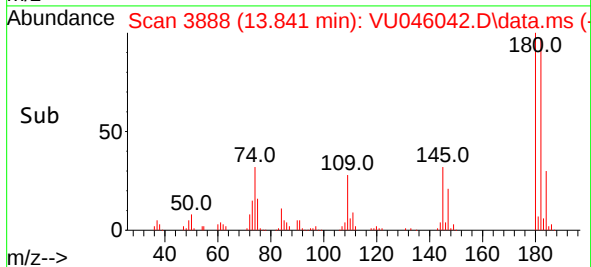
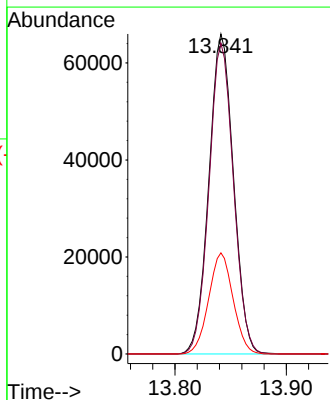
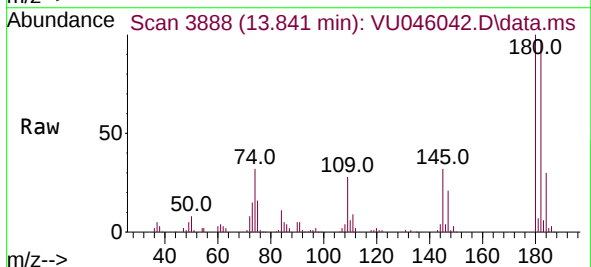
Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.9	113.9
184	30.7	24.2	36.4
145	31.7	24.9	37.3

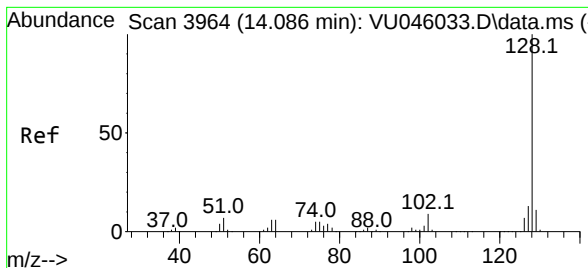


#70
 1,2,4-trichlorobenzene
 Concen: 53.645 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. -0.000 min
 Lab File: VU046042.D
 Acq: 02 Dec 2021 09:52

Tgt Ion:180 Resp: 101168

Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.7	115.1
145	31.3	26.0	39.0





#71

Naphthalene

Concen: 57.807 ug/L

RT: 14.089 min Scan# 3964

Delta R.T. 0.003 min

Lab File: VU046042.D

Acq: 02 Dec 2021 09:52

Instrument :

MSVOA_U

ClientSampleId :

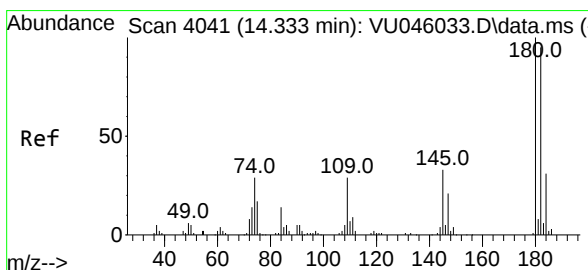
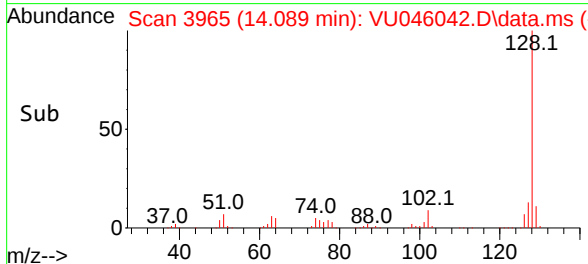
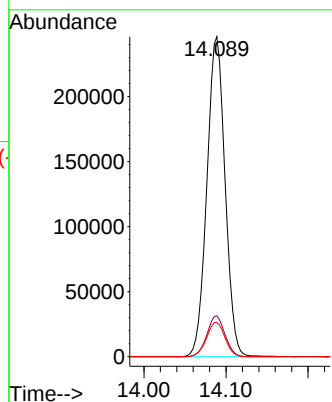
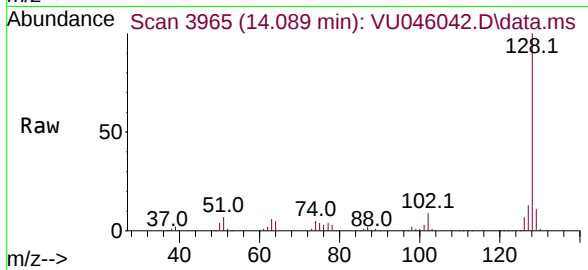
Tgt Ion:128 Resp: 379361

Ion Ratio Lower Upper

128 100

127 12.7 10.1 15.1

129 10.9 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 56.692 ug/L

RT: 14.330 min Scan# 4040

Delta R.T. -0.003 min

Lab File: VU046042.D

Acq: 02 Dec 2021 09:52

Tgt Ion:180 Resp: 109024

Ion Ratio Lower Upper

180 100

182 93.2 76.0 114.0

145 33.1 27.3 40.9

