

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120821\
 Data File : VU046204.D
 Acq On : 09 Dec 2021 02:19
 Operator : SY/MD
 Sample : M4983-08MS
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 09 04:37:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 03 05:08:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	204029	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	201322	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	111281	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	55125	32.799	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	65.600%
7) Chloroethane-d5	1.919	69	44203	34.255	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	68.500%#
11) 1,1-Dichloroethene-d2	2.575	63	118189	39.173	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.340%
21) 2-Butanone-d5	4.642	46	130596	97.747	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.750%
24) Chloroform-d	5.067	84	123133	43.872	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.740%
26) 1,2-Dichloroethane-d4	5.703	65	79492	42.203	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.400%
32) Benzene-d6	5.732	84	243712	42.236	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.480%
36) 1,2-Dichloropropane-d6	6.694	67	78773	44.049	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.100%
41) Toluene-d8	7.899	98	220328	41.937	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.880%
43) trans-1,3-Dichloroprop...	8.182	79	39180	45.386	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.780%
47) 2-Hexanone-d5	8.632	63	93332	110.075	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.070%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	130216	48.014	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.020%
66) 1,2-Dichlorobenzene-d4	12.195	152	98637	46.026	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.060%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	95725	43.124	ug/L	99
3) Chloromethane	1.523	50	82300	41.451	ug/L	100
5) Vinyl chloride	1.607	62	87149	43.532	ug/L	99
6) Bromomethane	1.864	94	49352	43.494	ug/L	96
8) Chloroethane	1.941	64	50261	43.361	ug/L	100
9) Trichlorofluoromethane	2.144	101	117500	44.956	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	73082	49.227	ug/L	95
12) 1,1-Dichloroethene	2.588	96	75672	53.640	ug/L #	79
13) Acetone	2.658	43	87939	52.665	ug/L	96
14) Carbon disulfide	2.800	76	188487	43.064	ug/L	100
15) Methyl Acetate	2.961	43	82664	42.467	ug/L	96
16) Methylene chloride	3.051	84	79895	47.601	ug/L	98
17) trans-1,2-Dichloroethene	3.359	96	76723	51.391	ug/L	99
18) Methyl tert-butyl Ether	3.366	73	252316	54.840	ug/L	99
19) 1,1-Dichloroethane	3.874	63	207320	76.375	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	122985	75.920	ug/L	100
22) 2-Butanone	4.719	43	145233	79.898	ug/L	97
23) Bromochloromethane	4.980	128	43811	53.548	ug/L	91
25) Chloroform	5.092	83	151638	50.278	ug/L	98

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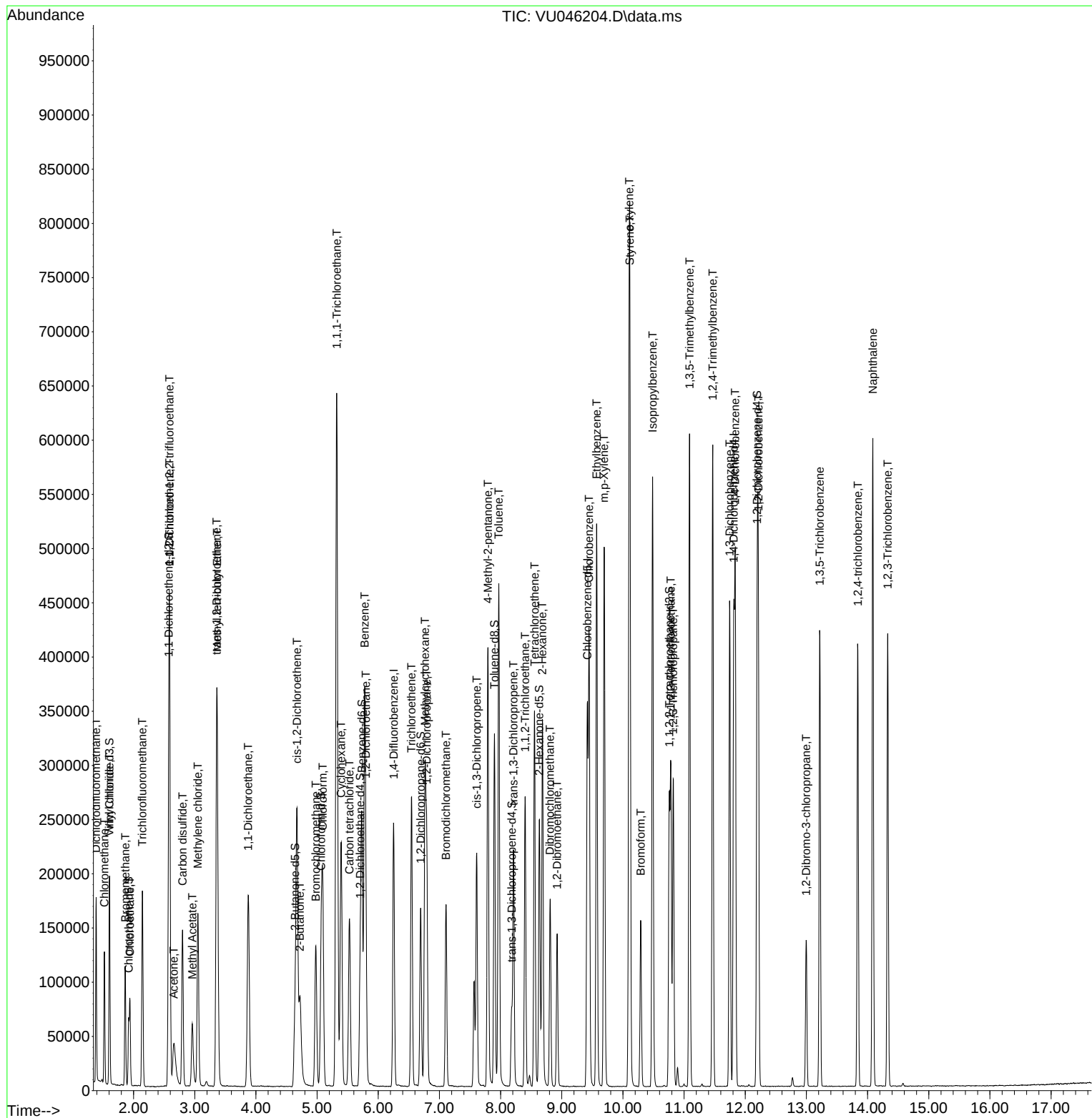
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	111419	49.784	ug/L	98
29) Cyclohexane	5.395	56	119125	50.816	ug/L	98
30) 1,1,1-Trichloroethane	5.321	97	481364	194.787	ug/L	99
31) Carbon tetrachloride	5.530	117	107979	51.468	ug/L	98
33) Benzene	5.777	78	313486	51.448	ug/L	100
34) Trichloroethene	6.543	95	91754	57.160	ug/L	100
35) Methylcyclohexane	6.764	83	122593	49.255	ug/L	99
37) 1,2-Dichloropropane	6.793	63	81546	51.089	ug/L	100
38) Bromodichloromethane	7.108	83	110392	52.033	ug/L	100
39) cis-1,3-Dichloropropene	7.610	75	131265	54.058	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	253206	107.970	ug/L	98
42) Toluene	7.970	91	347170	53.099	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	124474	52.192	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	84484	52.757	ug/L	98
46) Tetrachloroethene	8.555	164	79776	67.627	ug/L	97
48) 2-Hexanone	8.684	43	202836	96.711	ug/L	97
49) Dibromochloromethane	8.809	129	91727	54.547	ug/L	98
50) 1,2-Dibromoethane	8.925	107	92854	53.482	ug/L #	100
51) Chlorobenzene	9.446	112	225996	53.428	ug/L	98
52) Ethylbenzene	9.571	91	383944	54.564	ug/L	99
53) m,p-Xylene	9.693	106	149595	54.514	ug/L	99
54) o-xylene	10.102	106	146723	55.103	ug/L	99
55) Styrene	10.115	104	255491	56.201	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.783	83	142967	52.074	ug/L	100
59) Bromoform	10.292	173	68736	52.653	ug/L	98
60) 1,2,3-Trichloropropane	10.822	75	120948	49.581	ug/L	99
61) Isopropylbenzene	10.484	105	389789	53.835	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	330274	54.727	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	333678	55.264	ug/L	98
64) 1,3-Dichlorobenzene	11.745	146	184706	53.705	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	188490	53.029	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	182626	52.729	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	33731	51.906	ug/L	88
69) 1,3,5-Trichlorobenzene	13.217	180	130463	52.061	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	123416	55.498	ug/L	99
71) Naphthalene	14.086	128	467023	60.351	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	126050	55.585	ug/L	98

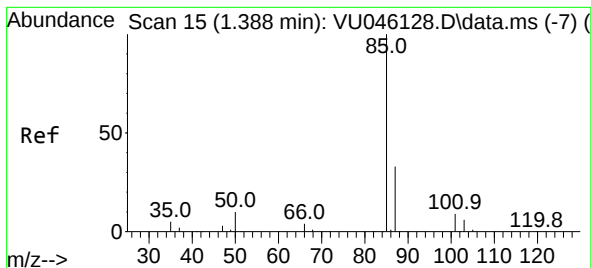
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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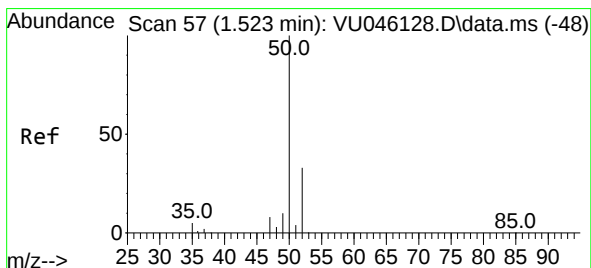
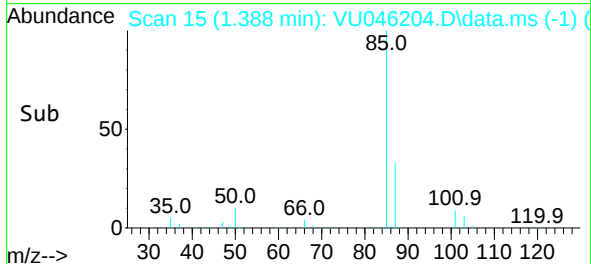
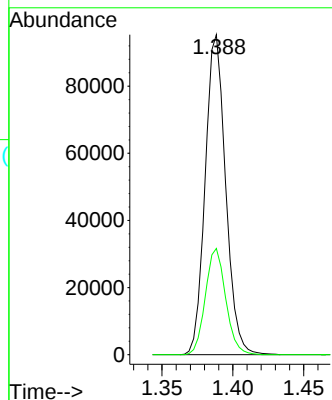
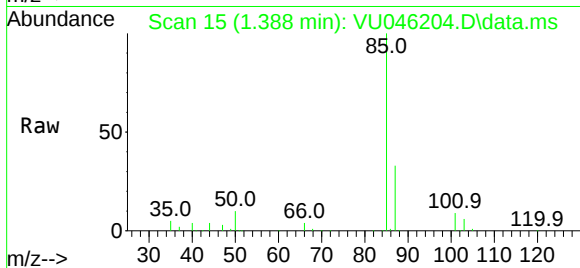




#2
Dichlorodifluoromethane
Concen: 43.124 ug/L
RT: 1.388 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU046204.D
Acq: 09 Dec 2021 02:19

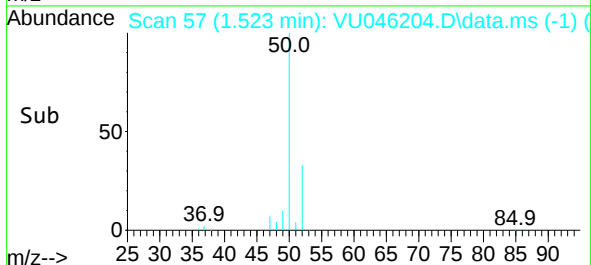
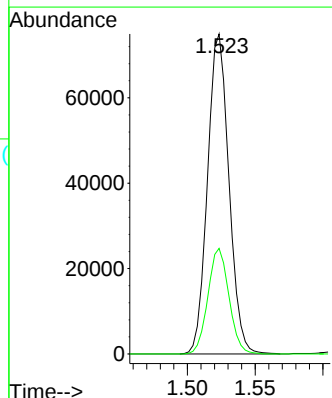
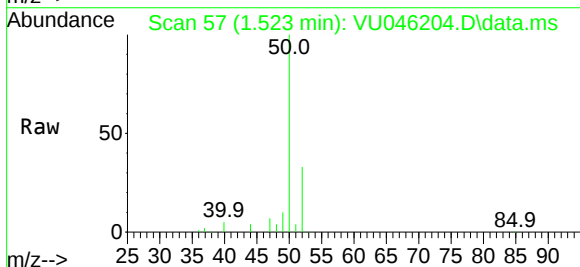
Instrument :
MSVOA_U
ClientSampleId :

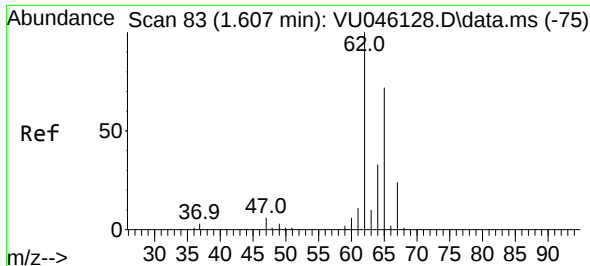
Tgt Ion: 85 Resp: 95725
Ion Ratio Lower Upper
85 100
87 32.9 25.7 38.5



#3
Chloromethane
Concen: 41.451 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU046204.D
Acq: 09 Dec 2021 02:19

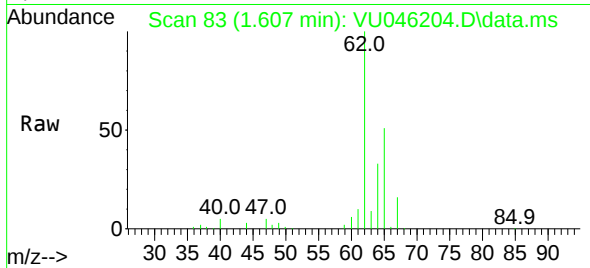
Tgt Ion: 50 Resp: 82300
Ion Ratio Lower Upper
50 100
52 33.0 23.2 43.2



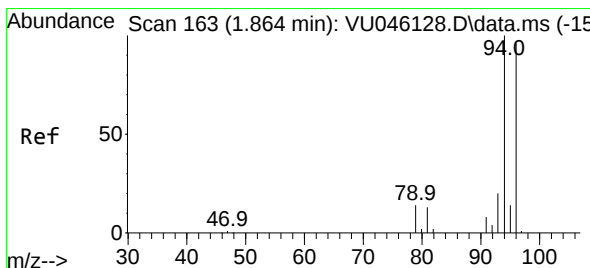
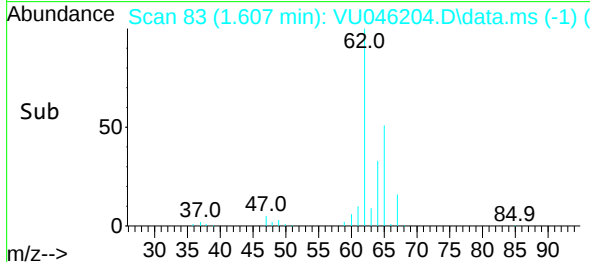
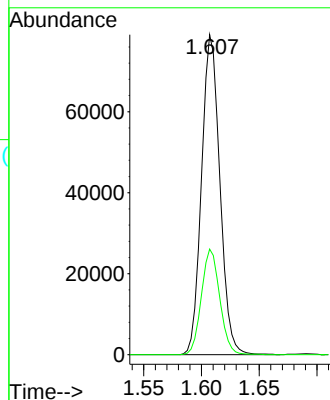


#5
 Vinyl chloride
 Concen: 43.532 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU046204.D
 Acq: 09 Dec 2021 02:19

Instrument :
 MSVOA_U
 ClientSampleId :

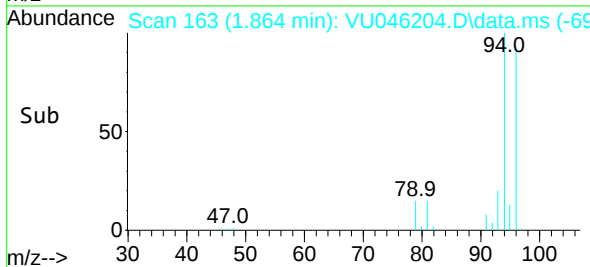
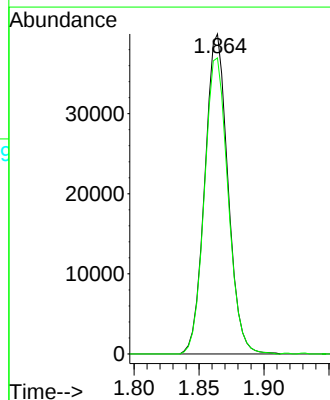
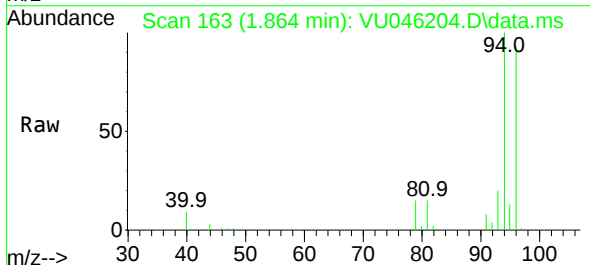


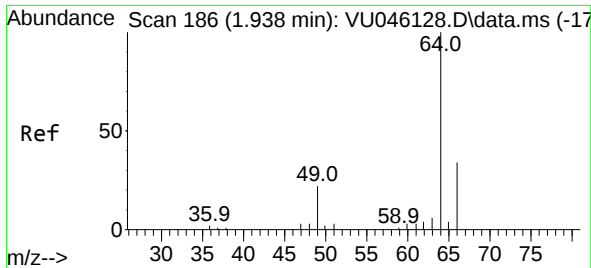
Tgt Ion: 62 Resp: 87149
 Ion Ratio Lower Upper
 62 100
 64 33.0 22.9 42.5



#6
 Bromomethane
 Concen: 43.494 ug/L
 RT: 1.864 min Scan# 163
 Delta R.T. 0.003 min
 Lab File: VU046204.D
 Acq: 09 Dec 2021 02:19

Tgt Ion: 94 Resp: 49352
 Ion Ratio Lower Upper
 94 100
 96 92.5 67.4 125.2

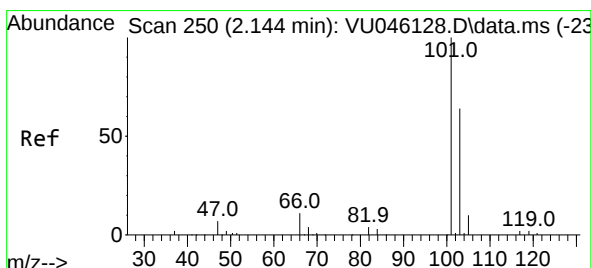
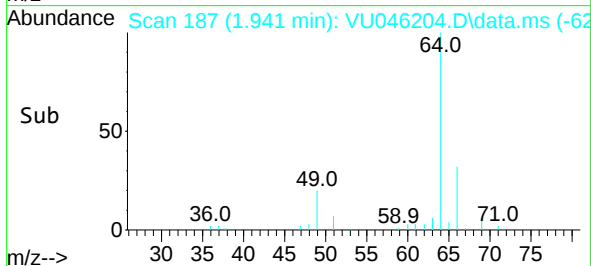
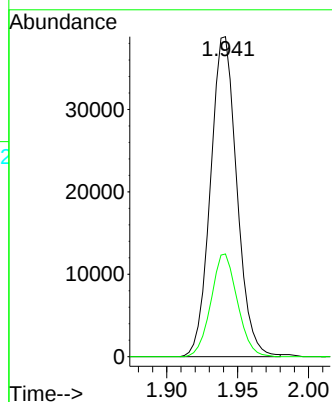
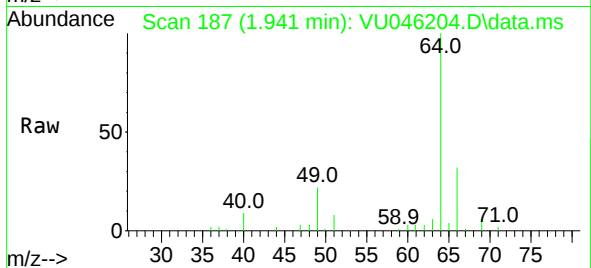




#8
Chloroethane
Concen: 43.361 ug/L
RT: 1.941 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU046204.D
Acq: 09 Dec 2021 02:19

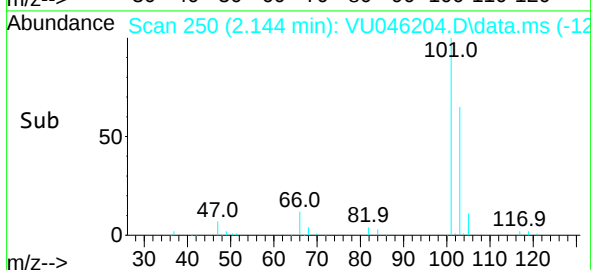
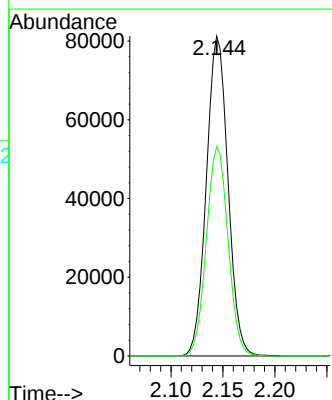
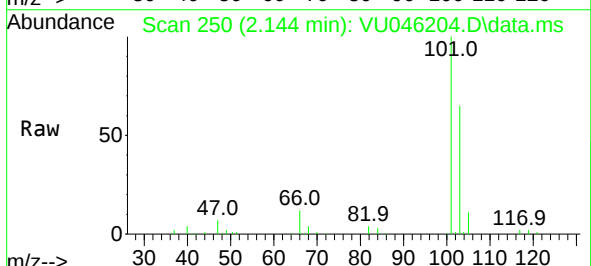
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MSVOA_U
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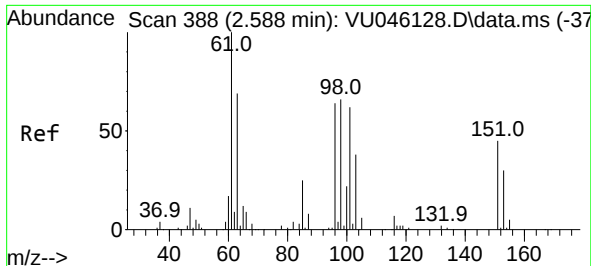
Tgt Ion: 64 Resp: 50261
Ion Ratio Lower Upper
64 100
66 32.1 22.5 41.9



#9
Trichlorofluoromethane
Concen: 44.956 ug/L
RT: 2.144 min Scan# 250
Delta R.T. 0.000 min
Lab File: VU046204.D
Acq: 09 Dec 2021 02:19

Tgt Ion:101 Resp: 117500
Ion Ratio Lower Upper
101 100
103 65.7 51.8 77.6

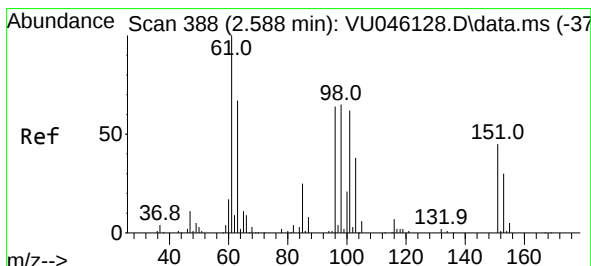
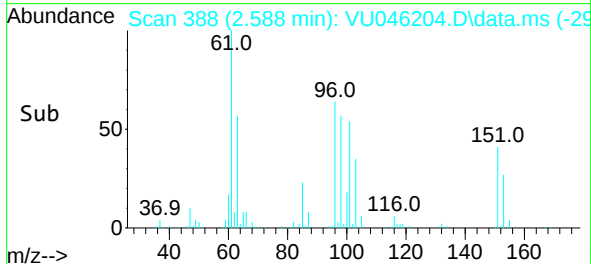
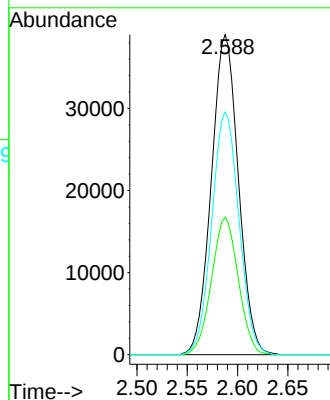
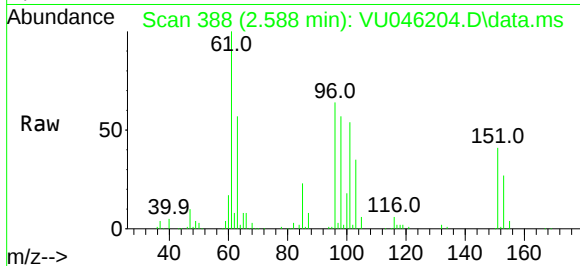




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 49.227 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. 0.000 min
 Lab File: VU046204.D
 Acq: 09 Dec 2021 02:19

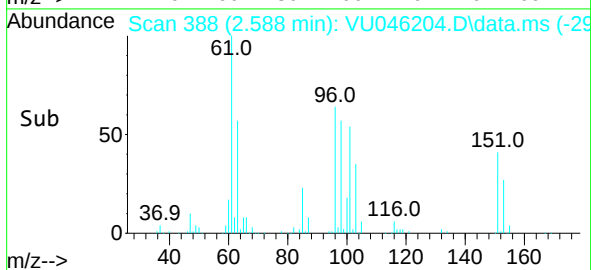
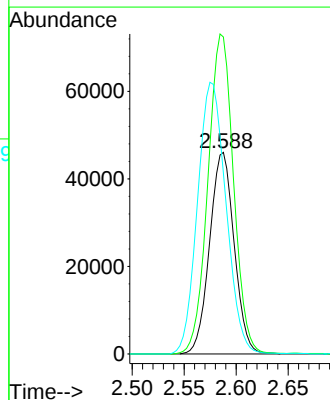
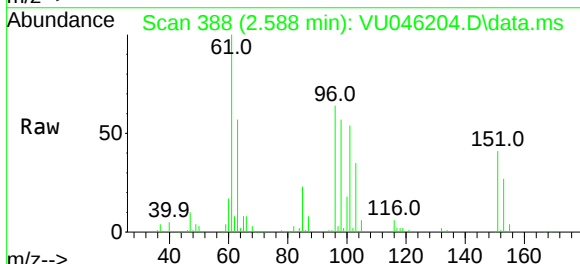
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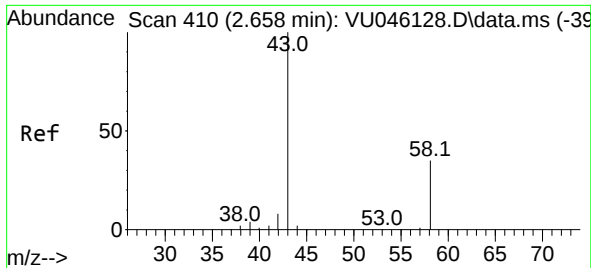
Tgt Ion:101 Resp: 73082
 Ion Ratio Lower Upper
 101 100
 85 42.4 35.1 52.7
 151 76.4 56.7 85.1



#12
 1,1-Dichloroethene
 Concen: 53.640 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. 0.003 min
 Lab File: VU046204.D
 Acq: 09 Dec 2021 02:19

Tgt Ion: 96 Resp: 75672
 Ion Ratio Lower Upper
 96 100
 61 157.3 118.6 220.2
 63 89.7 93.0 172.8#





#13

Acetone

Concen: 52.665 ug/L

RT: 2.658 min Scan# 410

Delta R.T. -0.003 min

Lab File: VU046204.D

Acq: 09 Dec 2021 02:19

Instrument :

MSVOA_U

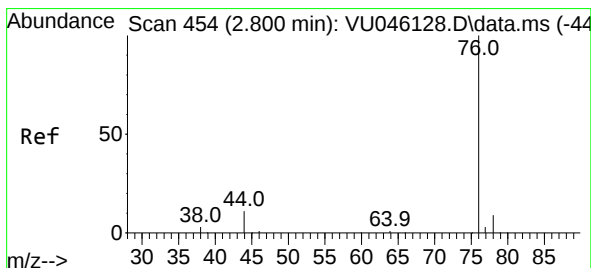
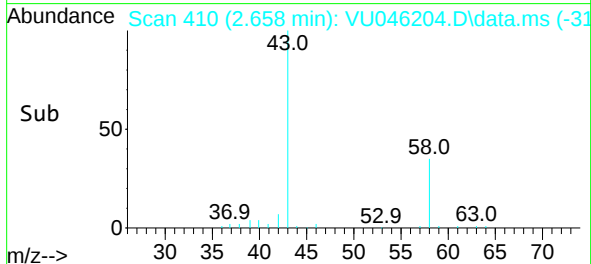
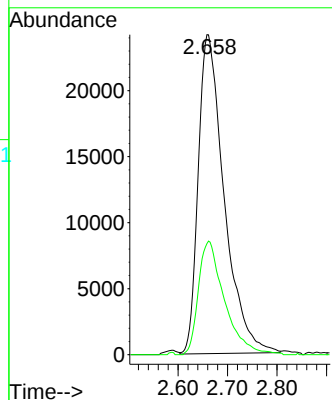
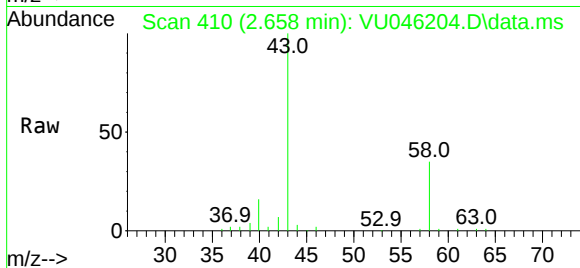
ClientSampleId :

Tgt Ion: 43 Resp: 87939

Ion Ratio Lower Upper

43 100

58 35.4 0.0 66.8



#14

Carbon disulfide

Concen: 43.064 ug/L

RT: 2.800 min Scan# 454

Delta R.T. 0.000 min

Lab File: VU046204.D

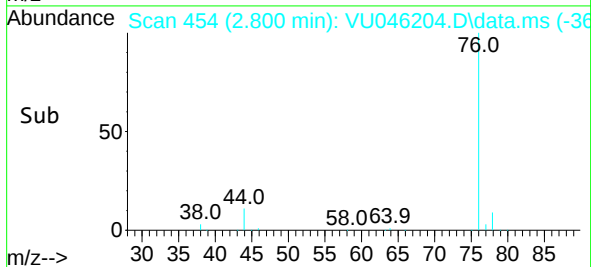
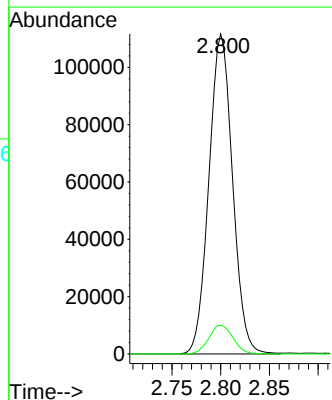
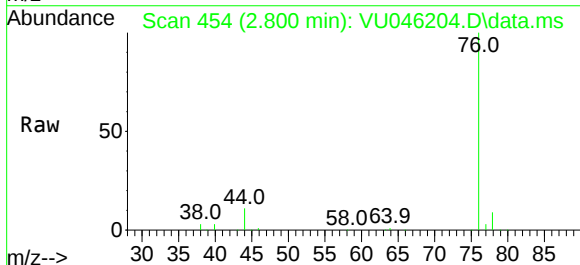
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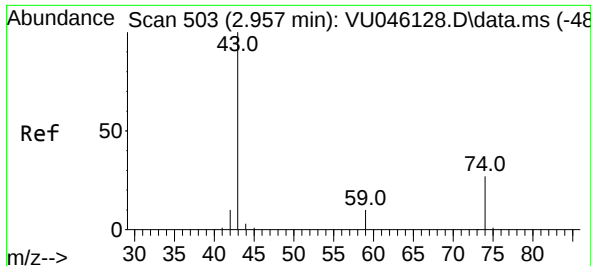
Tgt Ion: 76 Resp: 188487

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9

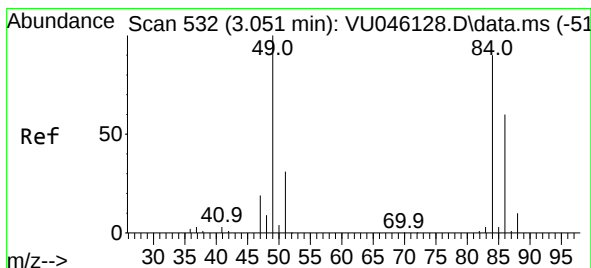
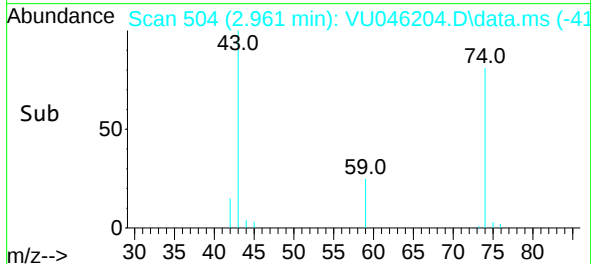
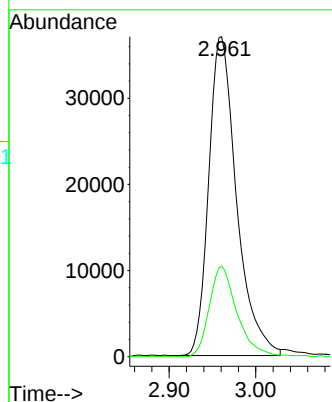
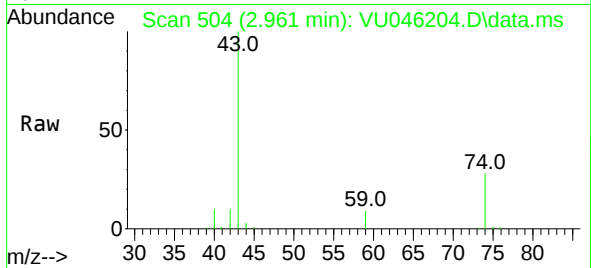




#15
Methyl Acetate
Concen: 42.467 ug/L
RT: 2.961 min Scan# 503
Delta R.T. 0.000 min
Lab File: VU046204.D
Acq: 09 Dec 2021 02:19

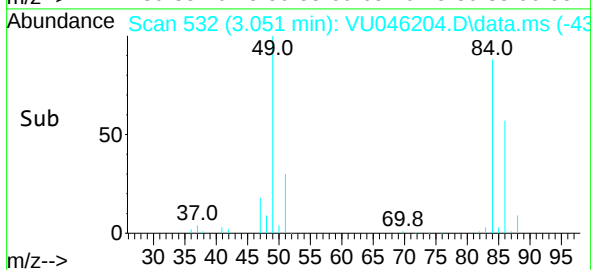
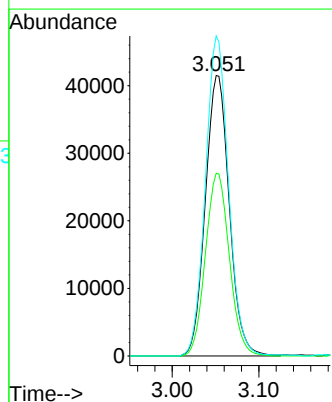
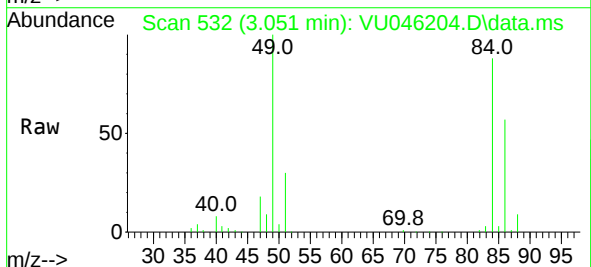
Instrument :
MSVOA_U
ClientSampleId :

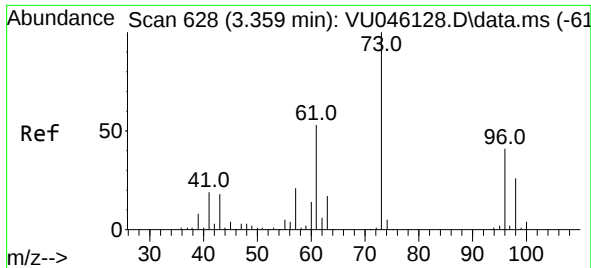
Tgt Ion: 43 Resp: 82664
Ion Ratio Lower Upper
43 100
74 28.1 20.8 31.2



#16
Methylene chloride
Concen: 47.601 ug/L
RT: 3.051 min Scan# 532
Delta R.T. 0.000 min
Lab File: VU046204.D
Acq: 09 Dec 2021 02:19

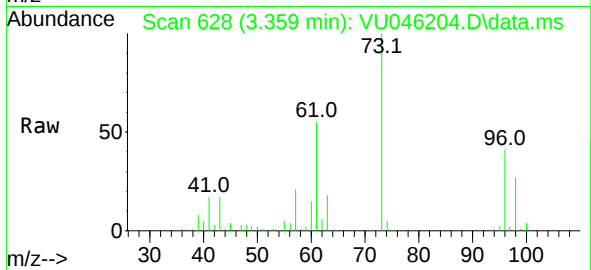
Tgt Ion: 84 Resp: 79895
Ion Ratio Lower Upper
84 100
86 65.1 44.7 83.1
49 114.1 78.4 145.6



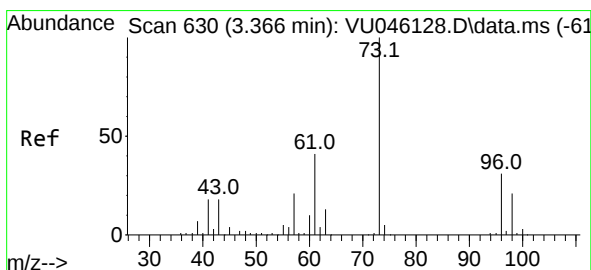
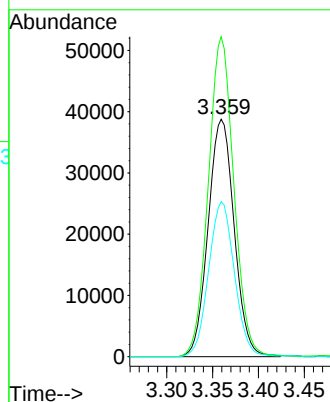
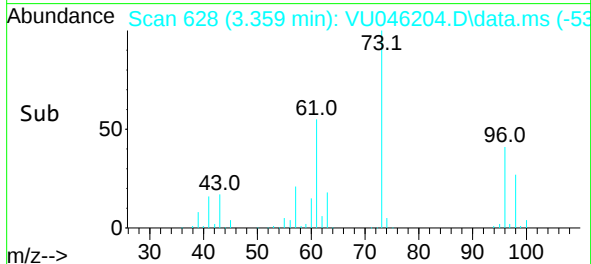


#17
trans-1,2-Dichloroethene
Concen: 51.391 ug/L
RT: 3.359 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU046204.D
Acq: 09 Dec 2021 02:19

Instrument :
MSVOA_U
ClientSampleId :

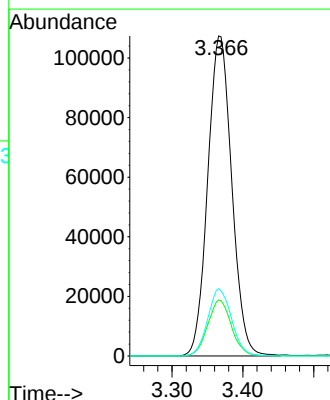
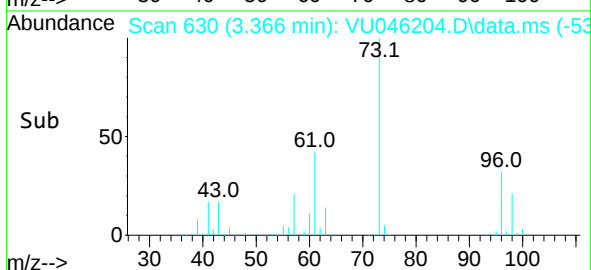
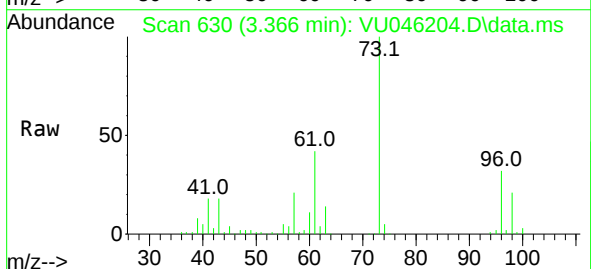


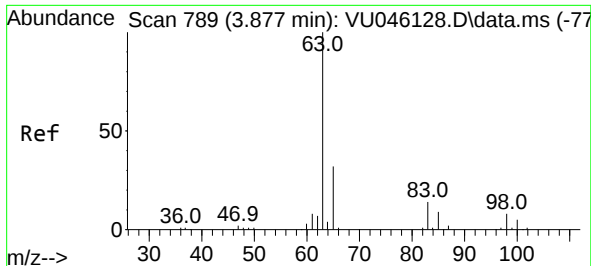
Tgt Ion: 96 Resp: 76723
Ion Ratio Lower Upper
96 100
61 134.8 94.6 175.6
98 65.3 44.0 81.8



#18
Methyl tert-butyl Ether
Concen: 54.840 ug/L
RT: 3.366 min Scan# 630
Delta R.T. -0.003 min
Lab File: VU046204.D
Acq: 09 Dec 2021 02:19

Tgt Ion: 73 Resp: 252316
Ion Ratio Lower Upper
73 100
43 17.3 14.0 21.0
57 20.8 17.0 25.4





#19

1,1-Dichloroethane

Concen: 76.375 ug/L

RT: 3.874 min Scan# 789

Delta R.T. -0.003 min

Lab File: VU046204.D

Acq: 09 Dec 2021 02:19

Instrument :

MSVOA_U

ClientSampleId :

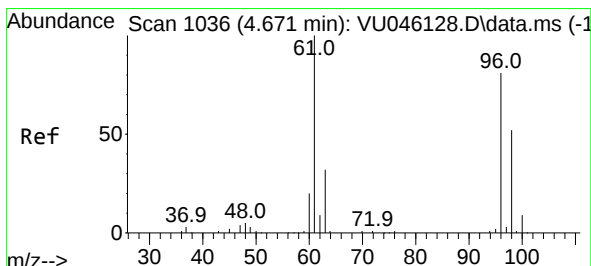
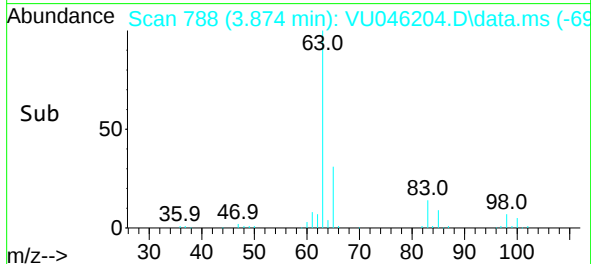
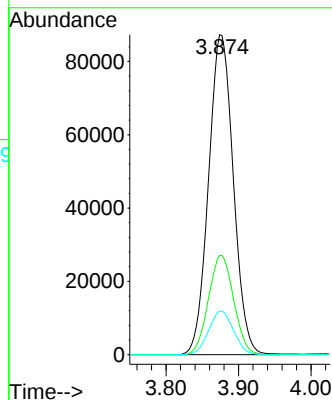
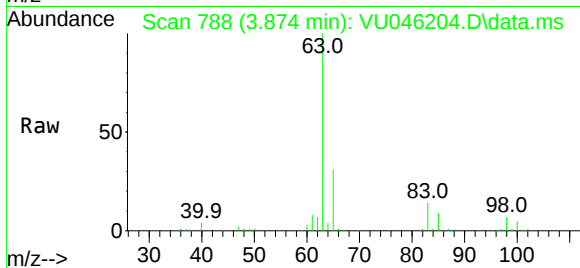
Tgt Ion: 63 Resp: 207320

Ion Ratio Lower Upper

63 100

65 31.0 22.8 42.4

83 13.6 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 75.920 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU046204.D

Acq: 09 Dec 2021 02:19

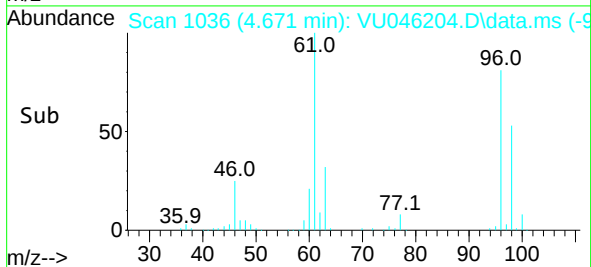
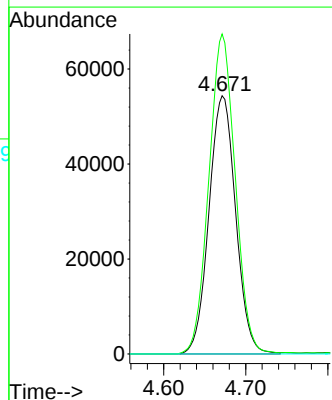
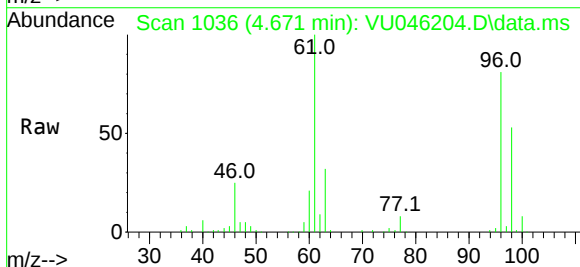
Tgt Ion: 96 Resp: 122985

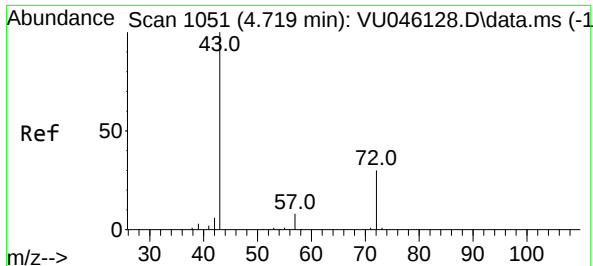
Ion Ratio Lower Upper

96 100

61 123.9 86.8 161.2

68 0.0 0.0 0.0

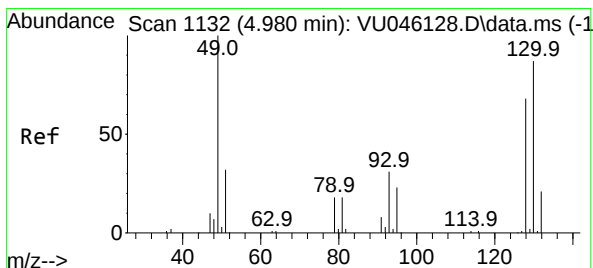
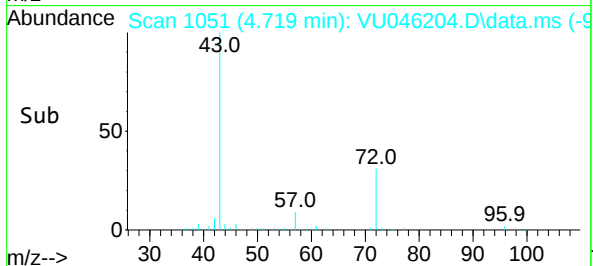
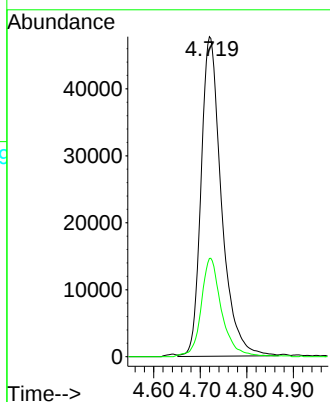
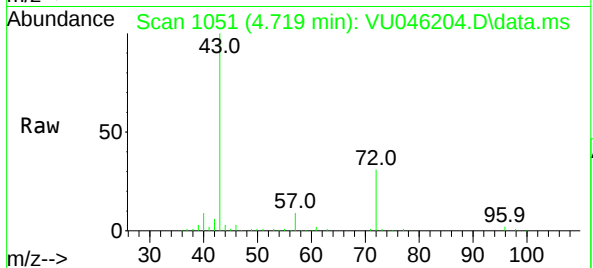




#22
2-Butanone
Concen: 79.898 ug/L
RT: 4.719 min Scan# 1051
Delta R.T. -0.003 min
Lab File: VU046204.D
Acq: 09 Dec 2021 02:19

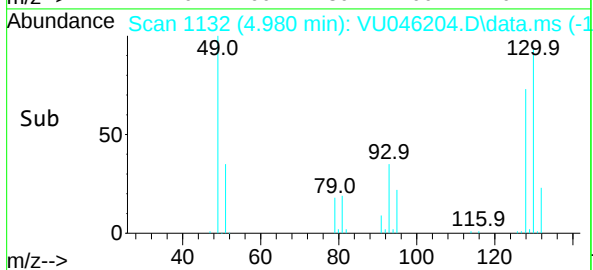
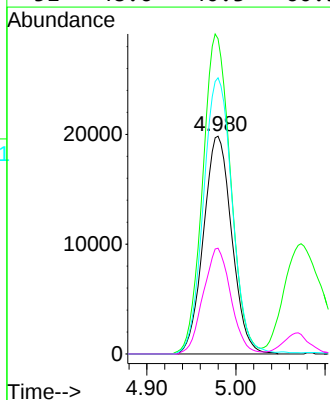
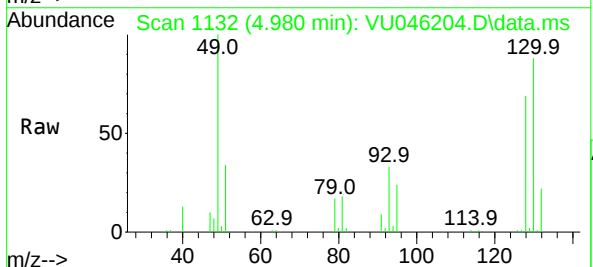
Instrument :
MSVOA_U
ClientSampleId :

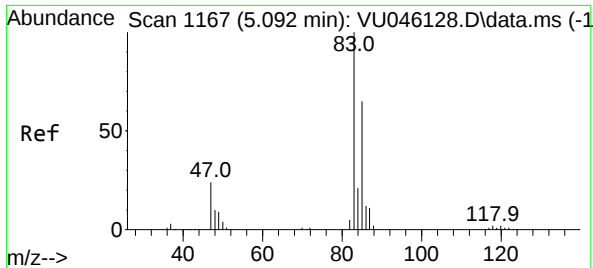
Tgt Ion: 43 Resp: 145233
Ion Ratio Lower Upper
43 100
72 30.8 14.5 43.6



#23
Bromochloromethane
Concen: 53.548 ug/L
RT: 4.980 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VU046204.D
Acq: 09 Dec 2021 02:19

Tgt Ion:128 Resp: 43811
Ion Ratio Lower Upper
128 100
49 144.8 115.9 215.3
130 126.8 91.8 170.4
51 48.6 40.3 60.5

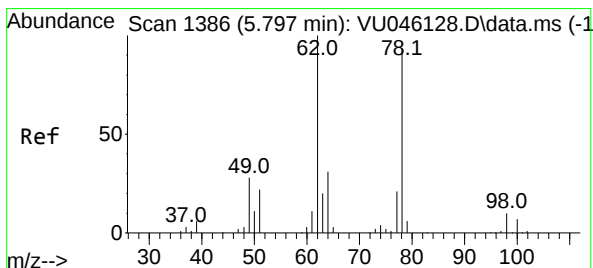
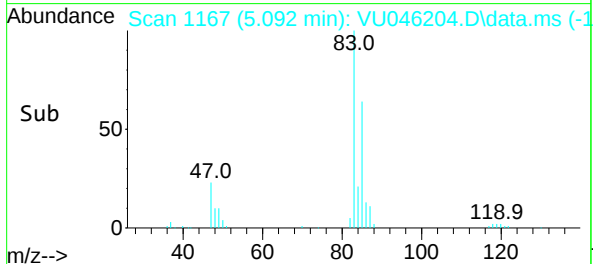
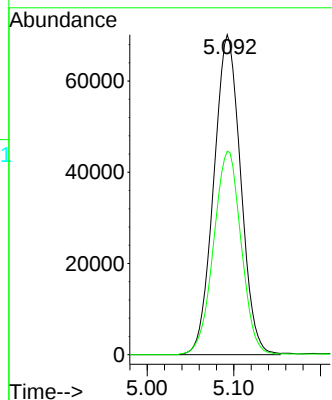
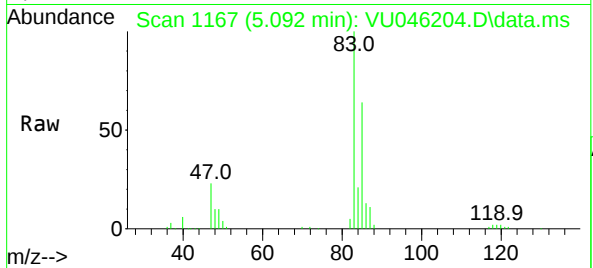




#25
Chloroform
Concen: 50.278 ug/L
RT: 5.092 min Scan# 1167
Delta R.T. 0.000 min
Lab File: VU046204.D
Acq: 09 Dec 2021 02:19

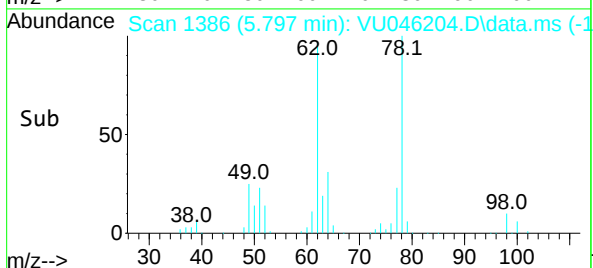
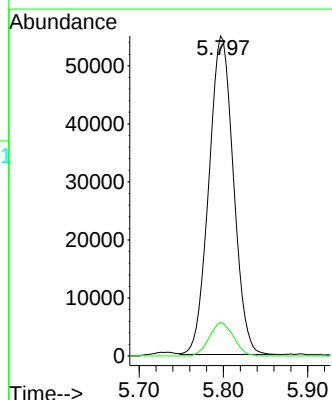
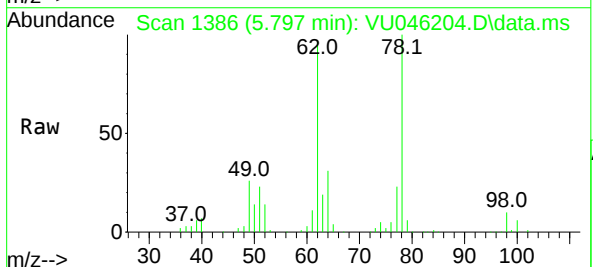
Instrument :
MSVOA_U
ClientSampleId :

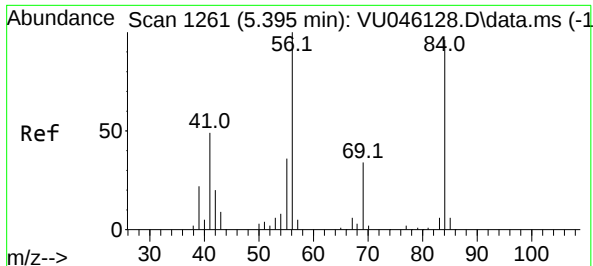
Tgt Ion: 83 Resp: 151638
Ion Ratio Lower Upper
83 100
85 63.6 45.8 85.2



#27
1,2-Dichloroethane
Concen: 49.784 ug/L
RT: 5.797 min Scan# 1386
Delta R.T. -0.003 min
Lab File: VU046204.D
Acq: 09 Dec 2021 02:19

Tgt Ion: 62 Resp: 111419
Ion Ratio Lower Upper
62 100
98 10.5 7.9 11.9





#29

Cyclohexane

Concen: 50.816 ug/L

RT: 5.395 min Scan# 1261

Delta R.T. 0.000 min

Lab File: VU046204.D

Acq: 09 Dec 2021 02:19

Instrument :

MSVOA_U

ClientSampleId :

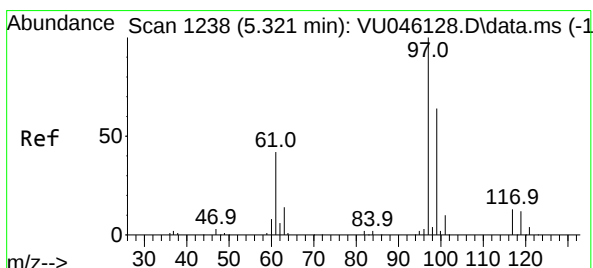
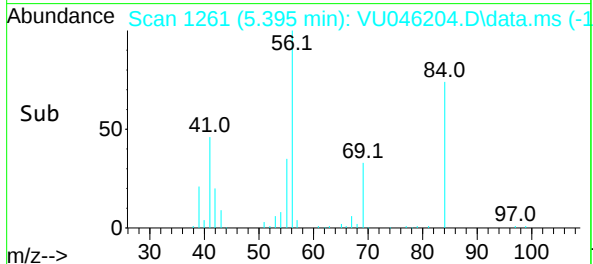
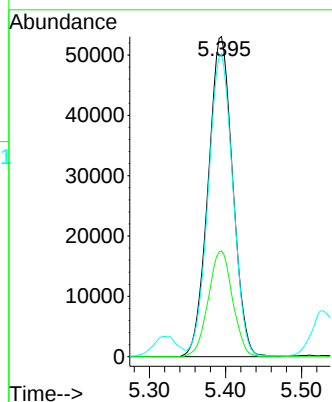
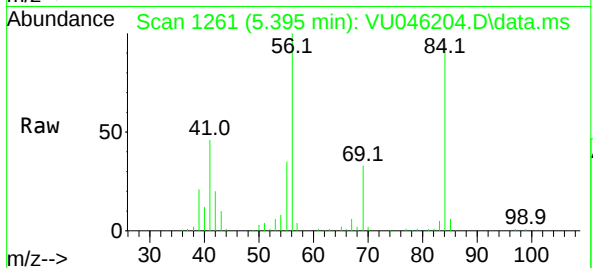
Tgt Ion: 56 Resp: 119125

Ion Ratio Lower Upper

56 100

69 32.6 25.2 37.8

84 93.8 73.3 109.9



#30

1,1,1-Trichloroethane

Concen: 194.787 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VU046204.D

Acq: 09 Dec 2021 02:19

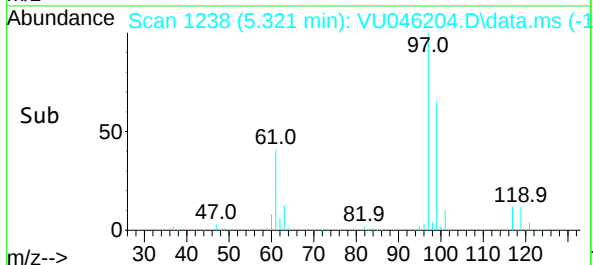
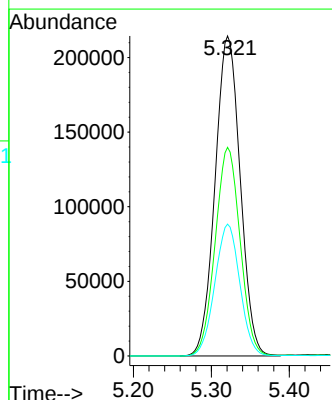
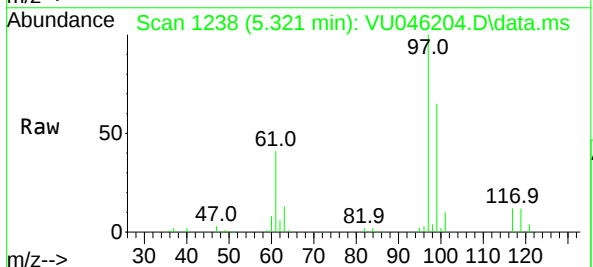
Tgt Ion: 97 Resp: 481364

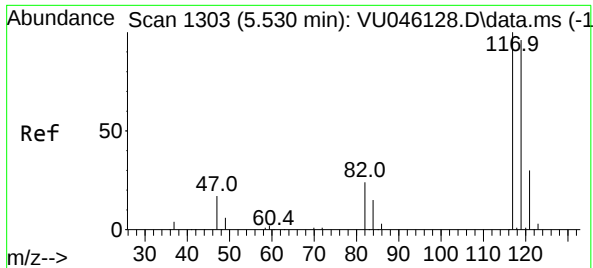
Ion Ratio Lower Upper

97 100

99 64.7 51.8 77.6

61 41.0 34.4 51.6

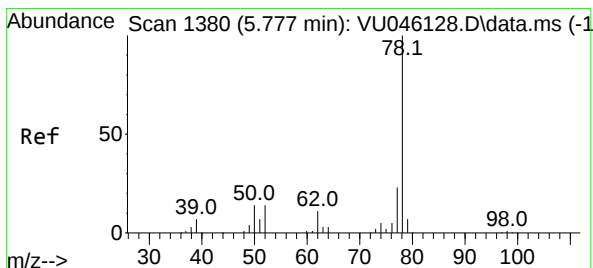
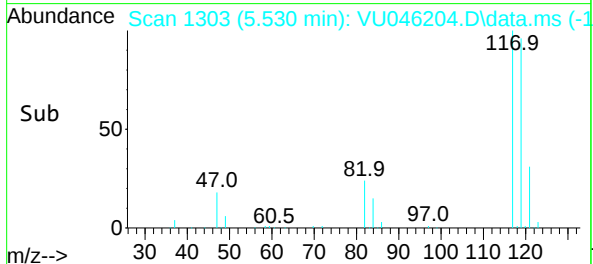
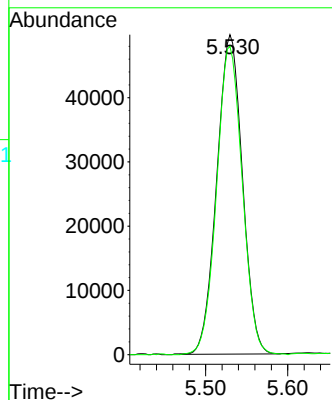
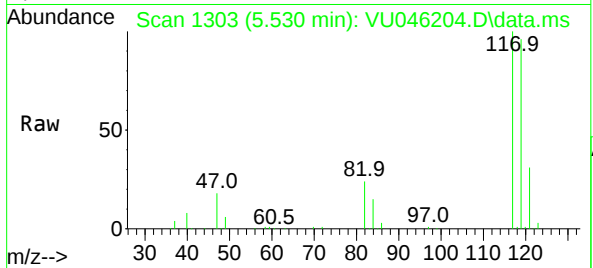




#31
Carbon tetrachloride
Concen: 51.468 ug/L
RT: 5.530 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU046204.D
Acq: 09 Dec 2021 02:19

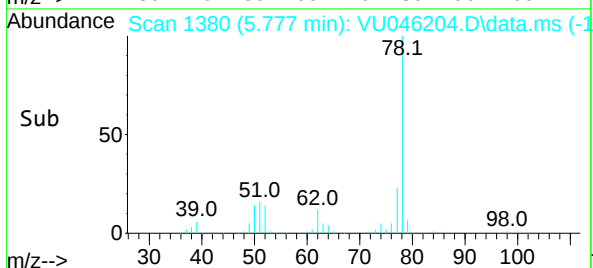
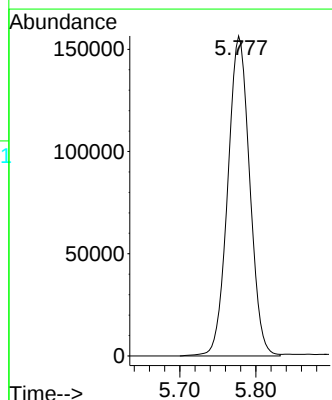
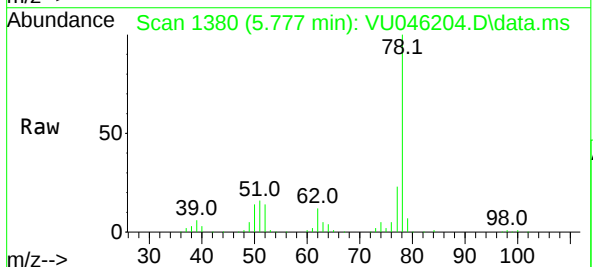
Instrument :
MSVOA_U
ClientSampleId :

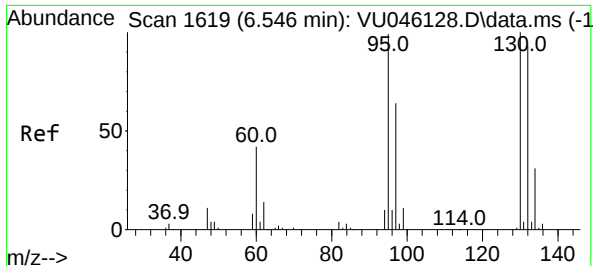
Tgt Ion:117 Resp: 107979
Ion Ratio Lower Upper
117 100
119 96.8 75.7 113.5



#33
Benzene
Concen: 51.448 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.003 min
Lab File: VU046204.D
Acq: 09 Dec 2021 02:19

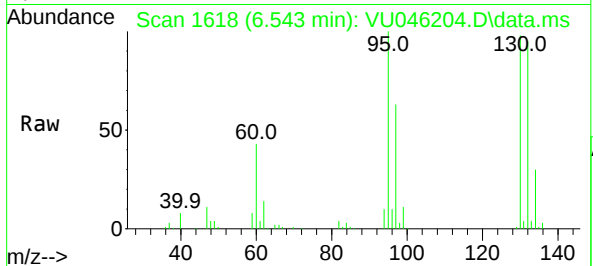
Tgt Ion: 78 Resp: 313486



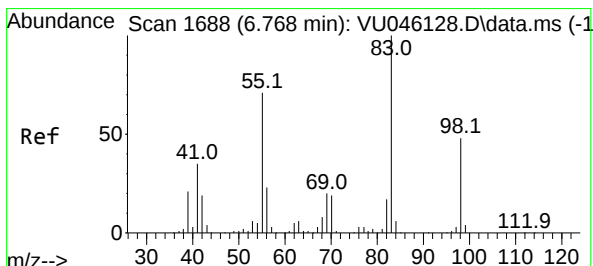
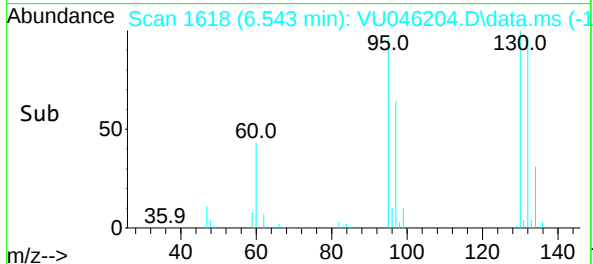
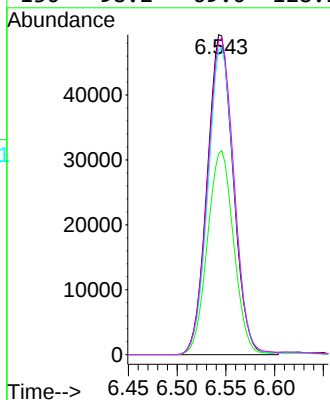


#34
Trichloroethene
Concen: 57.160 ug/L
RT: 6.543 min Scan# 1618
Delta R.T. -0.003 min
Lab File: VU046204.D
Acq: 09 Dec 2021 02:19

Instrument :
MSVOA_U
ClientSampleId :

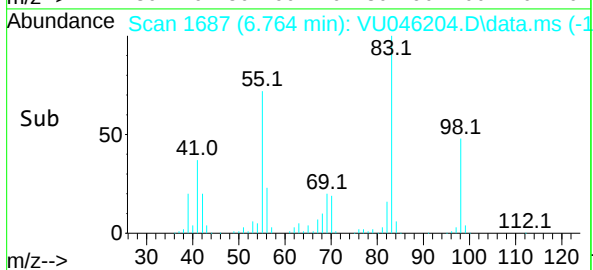
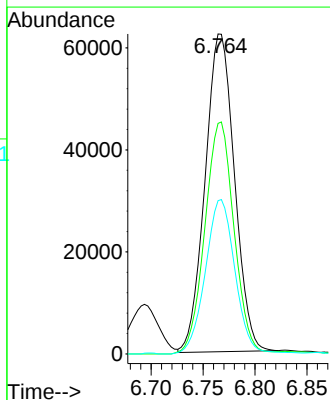
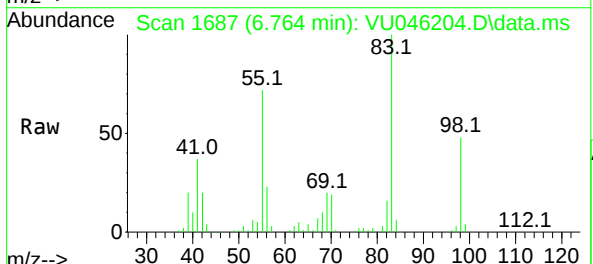


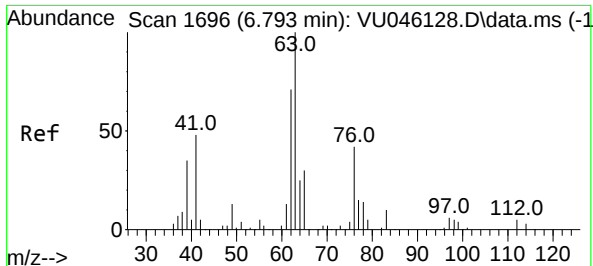
Tgt Ion: 95 Resp: 91754
Ion Ratio Lower Upper
95 100
97 62.9 44.1 81.9
132 95.2 66.8 124.0
130 98.2 69.0 128.1



#35
Methylcyclohexane
Concen: 49.255 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. -0.003 min
Lab File: VU046204.D
Acq: 09 Dec 2021 02:19

Tgt Ion: 83 Resp: 122593
Ion Ratio Lower Upper
83 100
55 72.2 57.8 86.6
98 49.1 38.4 57.6





#37

1,2-Dichloropropane

Concen: 51.089 ug/L

RT: 6.793 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU046204.D

Acq: 09 Dec 2021 02:19

Instrument :

MSVOA_U

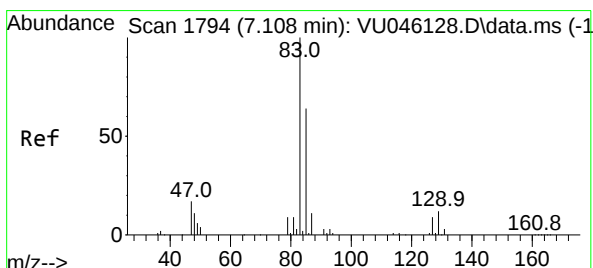
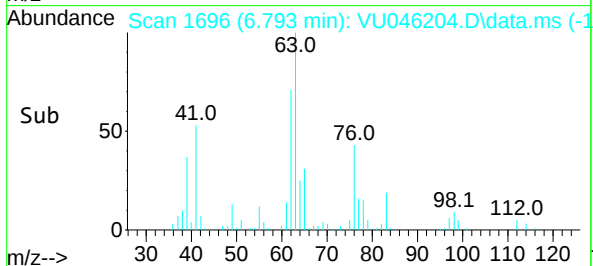
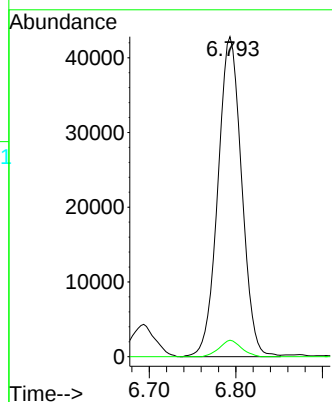
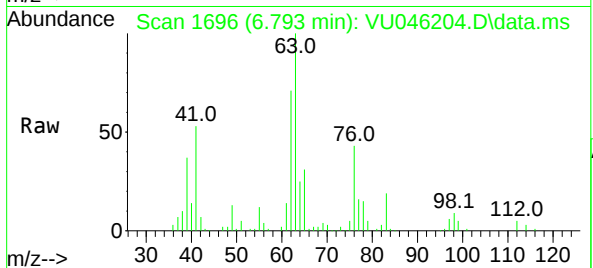
ClientSampleId :

Tgt Ion: 63 Resp: 81546

Ion Ratio Lower Upper

63 100

112 4.8 3.8 5.6



#38

Bromodichloromethane

Concen: 52.033 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VU046204.D

Acq: 09 Dec 2021 02:19

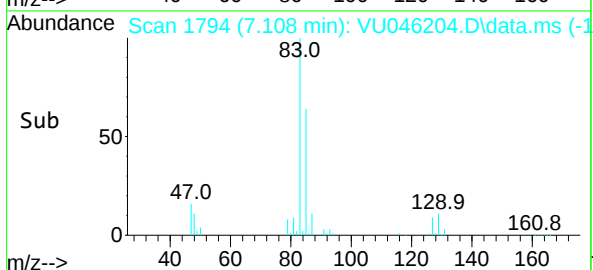
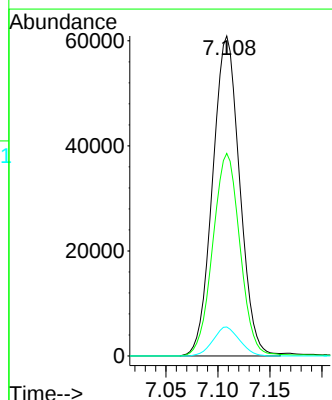
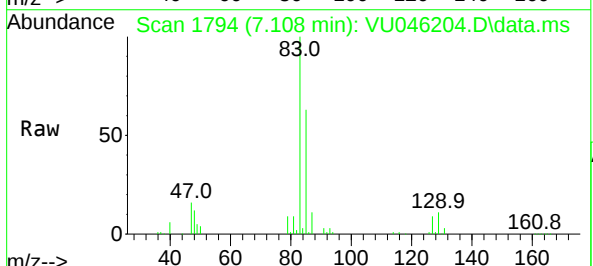
Tgt Ion: 83 Resp: 110392

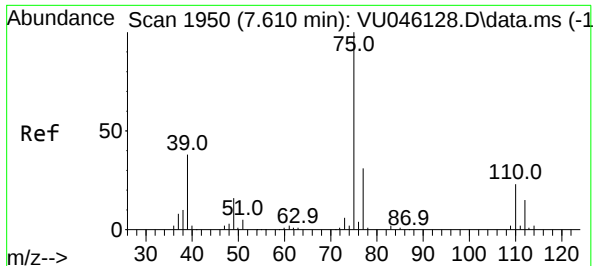
Ion Ratio Lower Upper

83 100

85 63.3 44.4 82.5

127 9.0 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 54.058 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VU046204.D

Acq: 09 Dec 2021 02:19

Instrument :

MSVOA_U

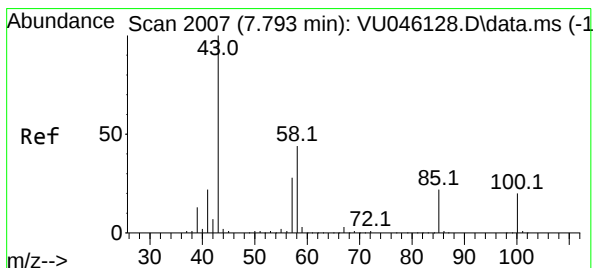
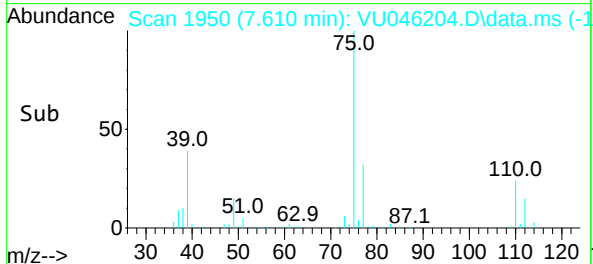
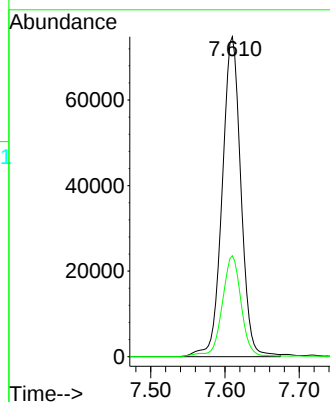
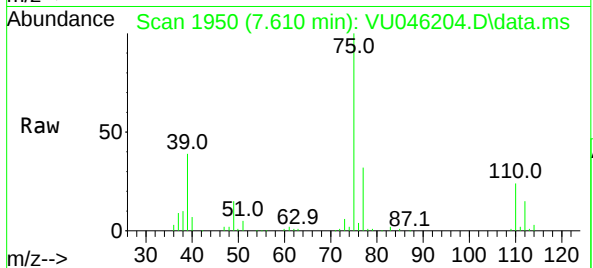
ClientSampleId :

Tgt Ion: 75 Resp: 131265

Ion Ratio Lower Upper

75 100

77 31.5 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 107.970 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.003 min

Lab File: VU046204.D

Acq: 09 Dec 2021 02:19

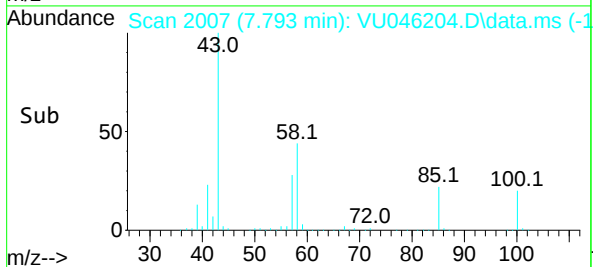
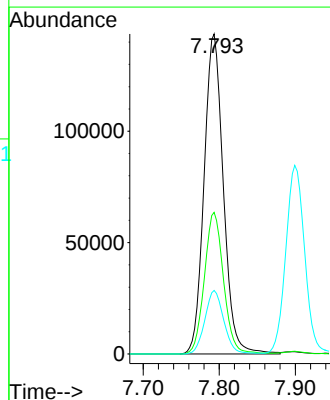
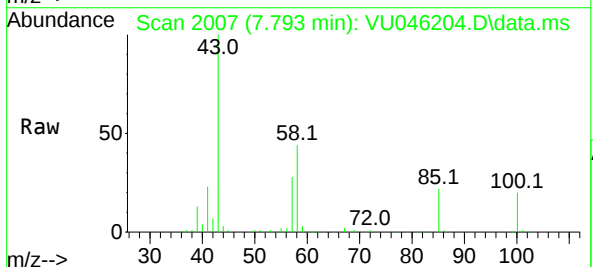
Tgt Ion: 43 Resp: 253206

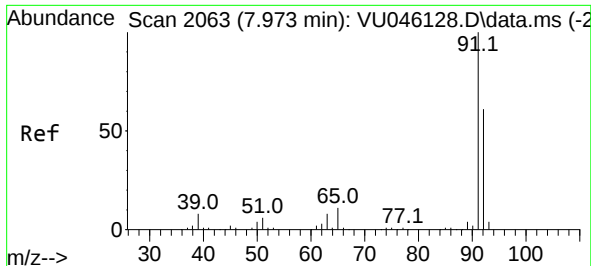
Ion Ratio Lower Upper

43 100

58 44.0 34.2 51.4

100 19.5 14.5 21.7





#42

Toluene

Concen: 53.099 ug/L

RT: 7.970 min Scan# 2063

Delta R.T. -0.003 min

Lab File: VU046204.D

Acq: 09 Dec 2021 02:19

Instrument :

MSVOA_U

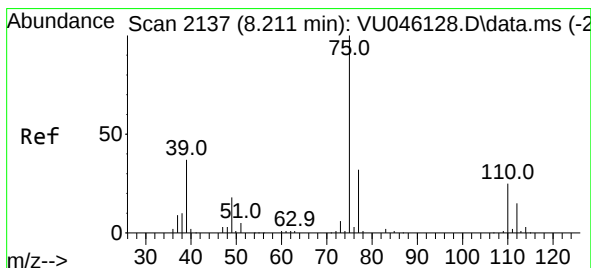
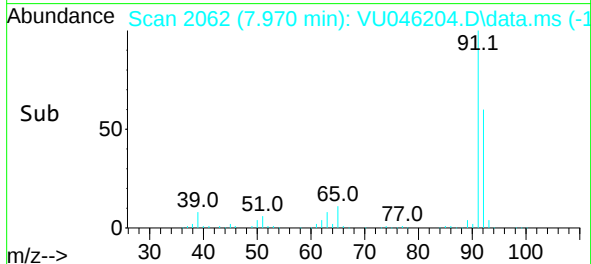
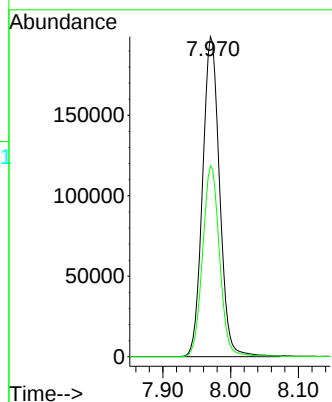
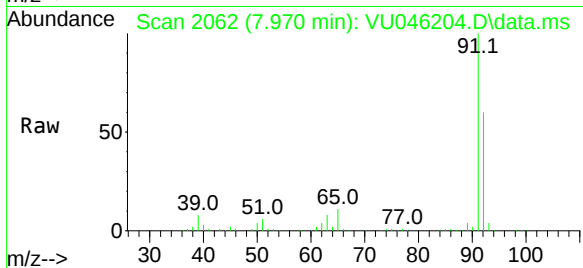
ClientSampleId :

Tgt Ion: 91 Resp: 347170

Ion Ratio Lower Upper

91 100

92 59.7 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 52.192 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.003 min

Lab File: VU046204.D

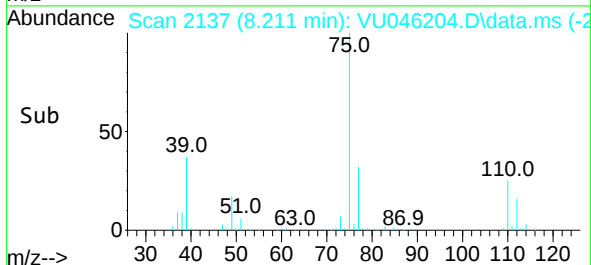
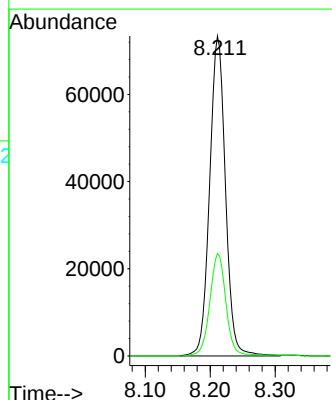
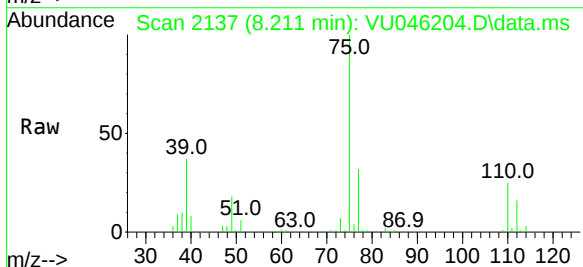
Acq: 09 Dec 2021 02:19

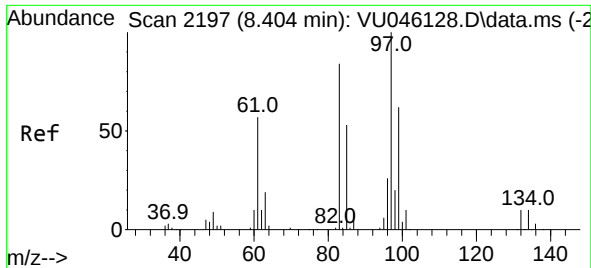
Tgt Ion: 75 Resp: 124474

Ion Ratio Lower Upper

75 100

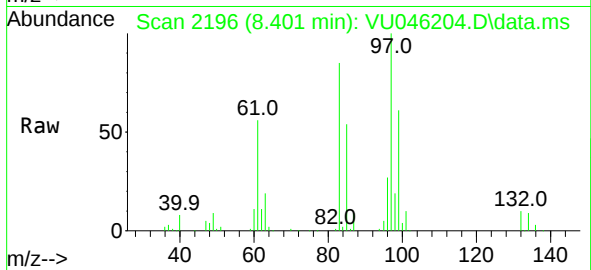
77 32.0 21.7 40.3





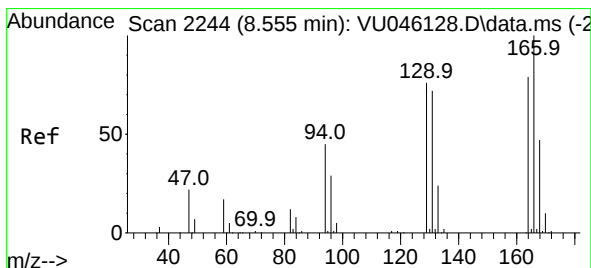
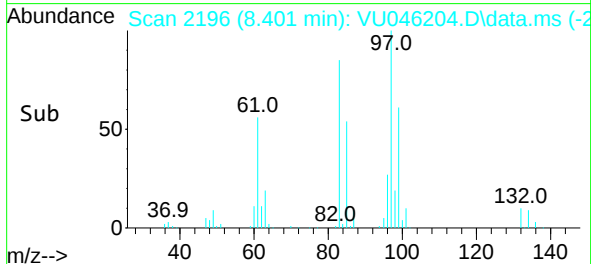
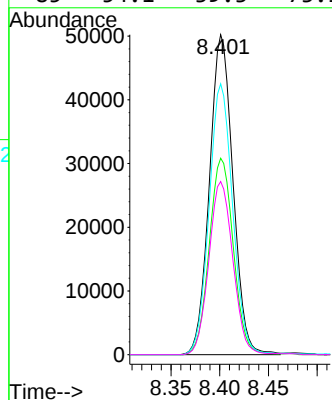
#45
1,1,2-Trichloroethane
Concen: 52.757 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.003 min
Lab File: VU046204.D
Acq: 09 Dec 2021 02:19

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 97 Resp: 84484

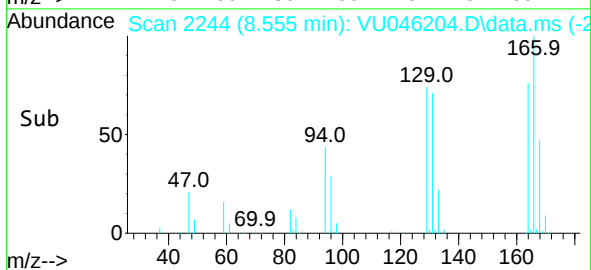
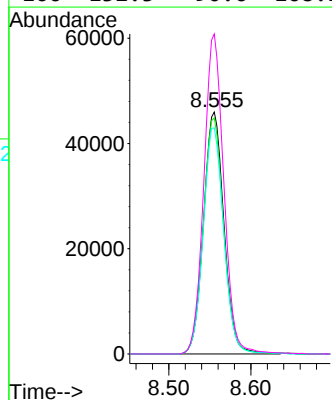
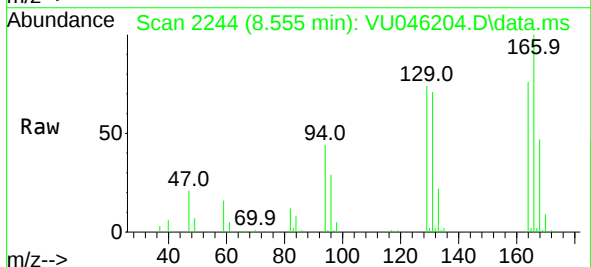
Ion	Ratio	Lower	Upper
97	100		
99	61.4	44.7	82.9
83	84.7	60.2	111.8
85	54.1	39.3	73.1

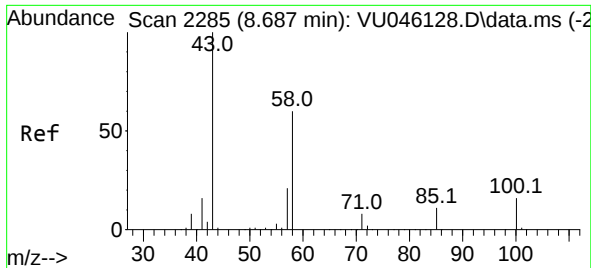


#46
Tetrachloroethene
Concen: 67.627 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU046204.D
Acq: 09 Dec 2021 02:19

Tgt Ion: 164 Resp: 79776

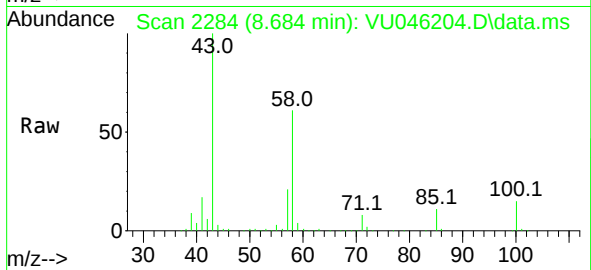
Ion	Ratio	Lower	Upper
164	100		
129	97.5	71.1	132.1
131	93.4	67.8	126.0
166	132.3	90.6	168.2



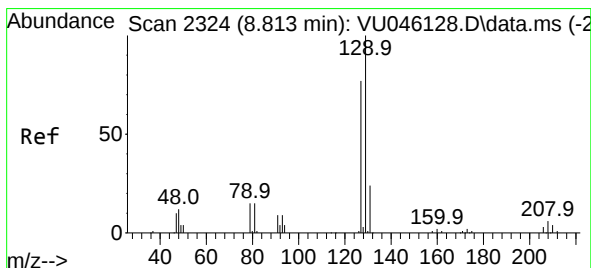
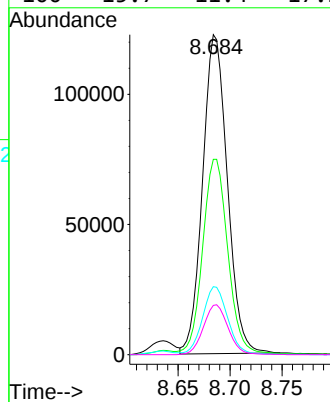
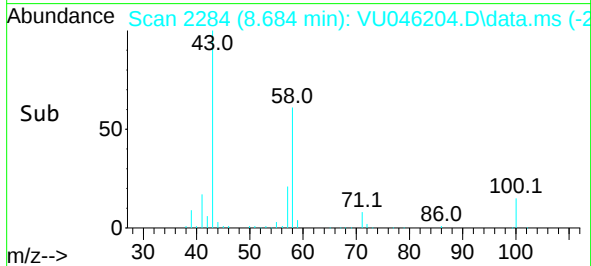


#48
2-Hexanone
Concen: 96.711 ug/L
RT: 8.684 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU046204.D
Acq: 09 Dec 2021 02:19

Instrument :
MSVOA_U
ClientSampleId :

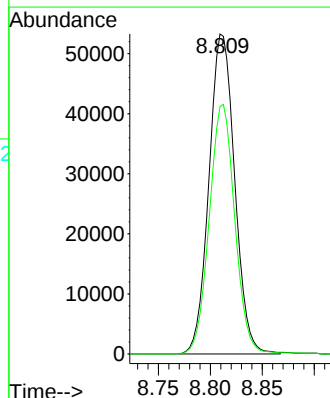
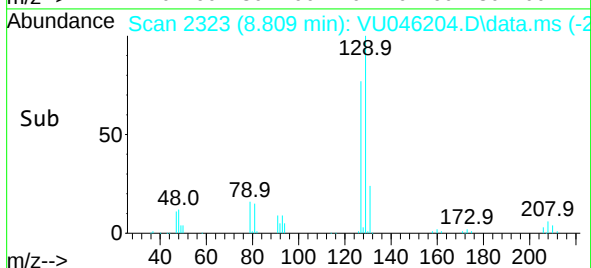
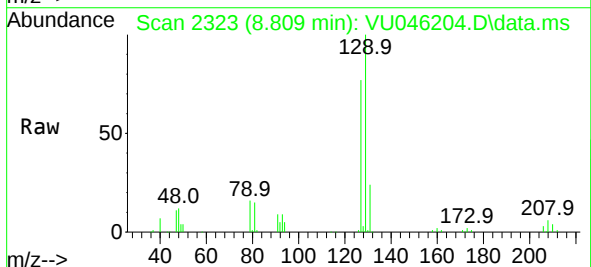


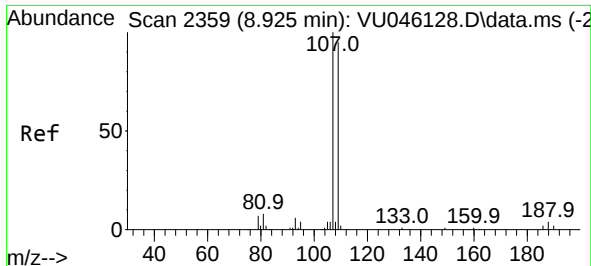
Tgt Ion: 43 Resp: 202836
Ion Ratio Lower Upper
43 100
58 62.2 47.4 71.2
57 21.5 16.6 25.0
100 15.7 11.4 17.2



#49
Dibromochloromethane
Concen: 54.547 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.003 min
Lab File: VU046204.D
Acq: 09 Dec 2021 02:19

Tgt Ion: 129 Resp: 91727
Ion Ratio Lower Upper
129 100
127 77.3 55.6 103.4

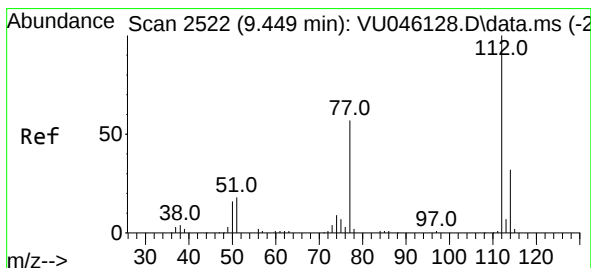
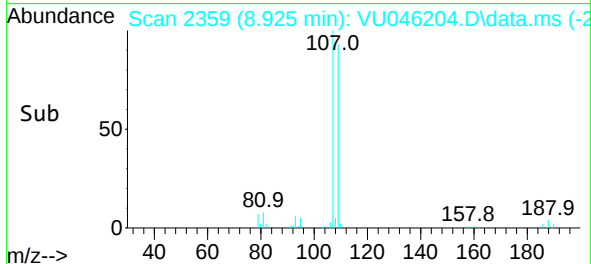
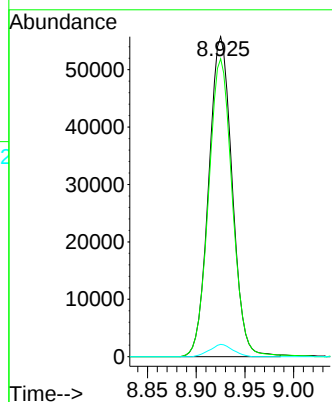
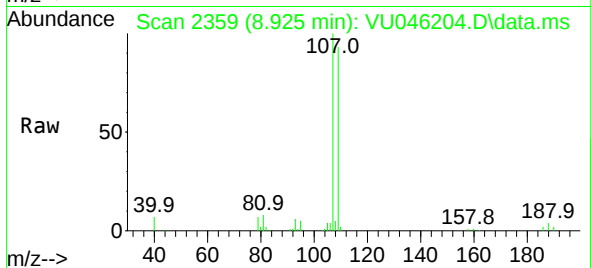




#50
1,2-Dibromoethane
Concen: 53.482 ug/L
RT: 8.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU046204.D
Acq: 09 Dec 2021 02:19

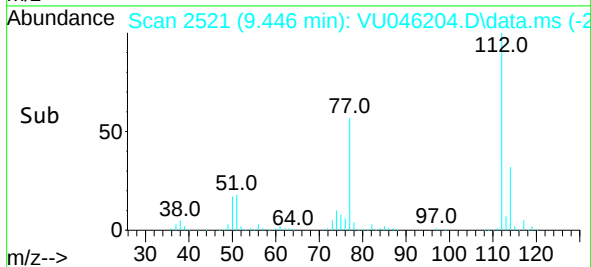
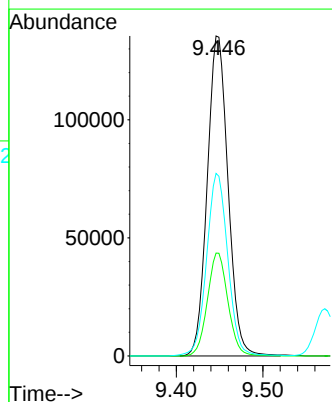
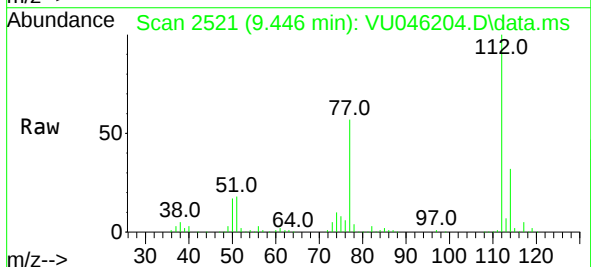
Instrument :
MSVOA_U
ClientSampleId :

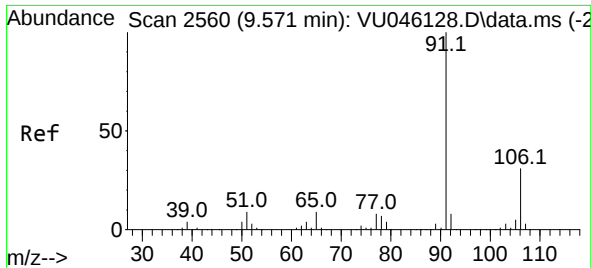
Tgt Ion:107 Resp: 92854
Ion Ratio Lower Upper
107 100
109 93.1 64.9 120.5
188 3.8 2.6 3.8#



#51
Chlorobenzene
Concen: 53.428 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. -0.003 min
Lab File: VU046204.D
Acq: 09 Dec 2021 02:19

Tgt Ion:112 Resp: 225996
Ion Ratio Lower Upper
112 100
114 32.2 22.2 41.2
77 57.1 47.4 71.0

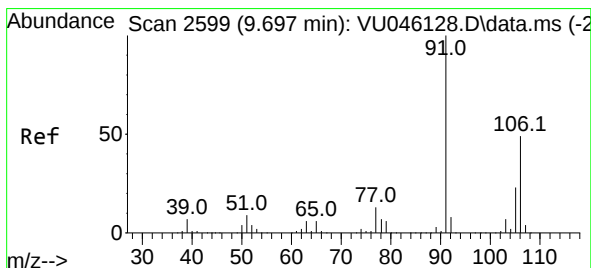
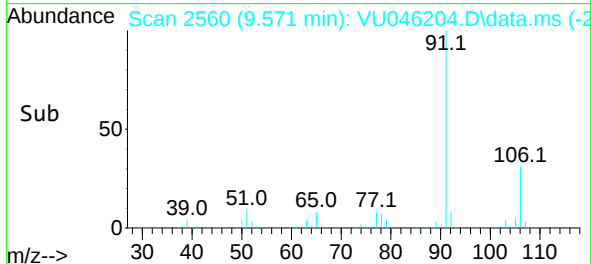
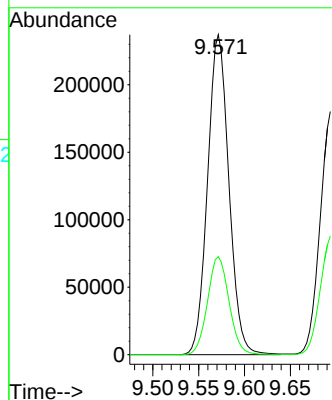
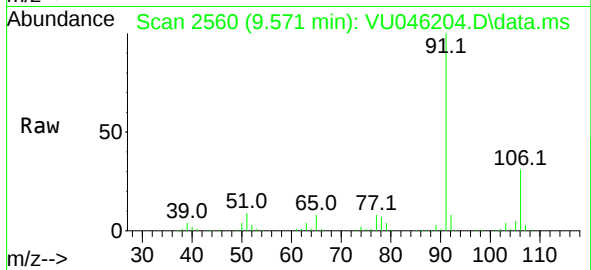




#52
Ethylbenzene
Concen: 54.564 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.003 min
Lab File: VU046204.D
Acq: 09 Dec 2021 02:19

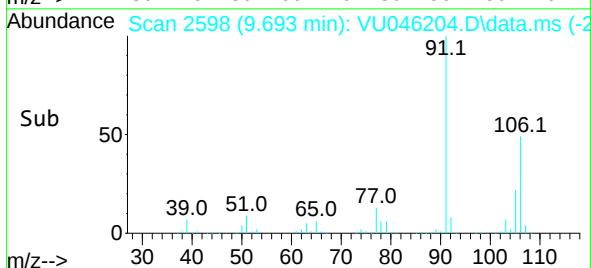
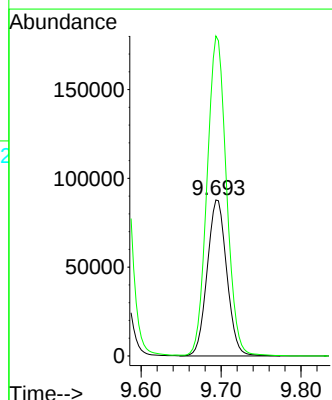
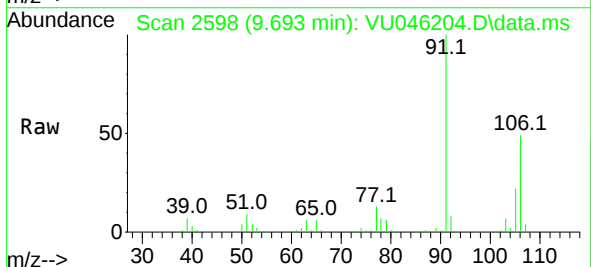
Instrument :
MSVOA_U
ClientSampleId :

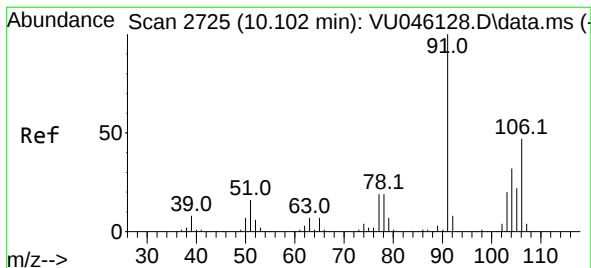
Tgt Ion: 91 Resp: 383944
Ion Ratio Lower Upper
91 100
106 30.7 21.1 39.3



#53
m,p-Xylene
Concen: 54.514 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU046204.D
Acq: 09 Dec 2021 02:19

Tgt Ion:106 Resp: 149595
Ion Ratio Lower Upper
106 100
91 205.1 144.3 268.1





#54

o-xylene

Concen: 55.103 ug/L

RT: 10.102 min Scan# 2725

Delta R.T. -0.003 min

Lab File: VU046204.D

Acq: 09 Dec 2021 02:19

Instrument :

MSVOA_U

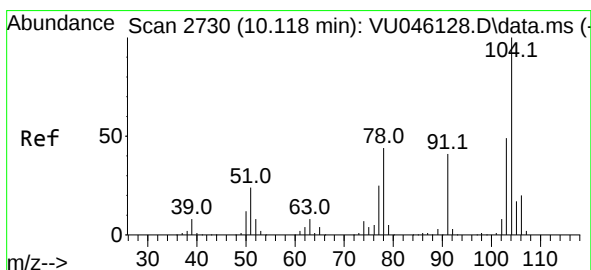
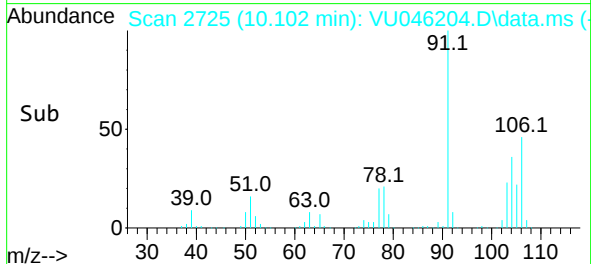
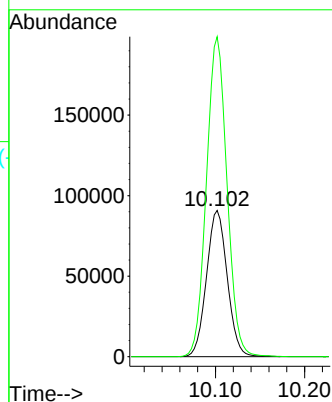
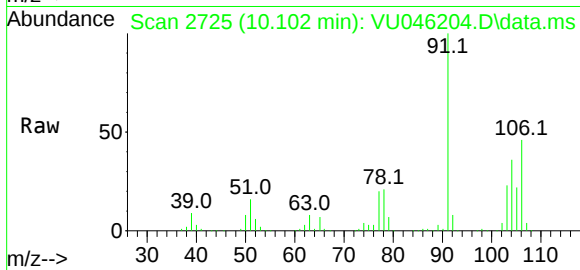
ClientSampleId :

Tgt Ion:106 Resp: 146723

Ion Ratio Lower Upper

106 100

91 218.9 154.2 286.4



#55

Styrene

Concen: 56.201 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. -0.003 min

Lab File: VU046204.D

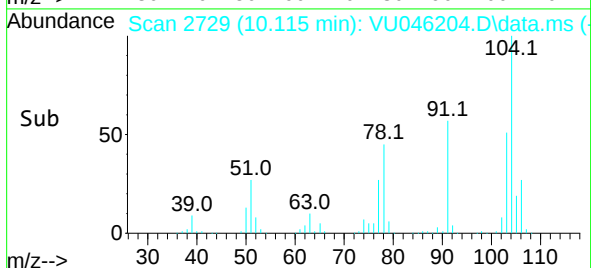
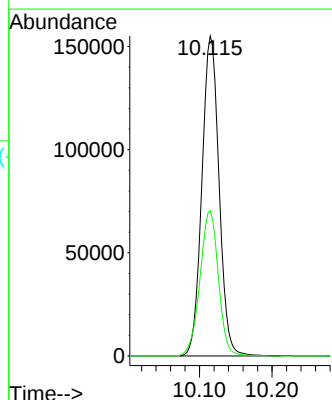
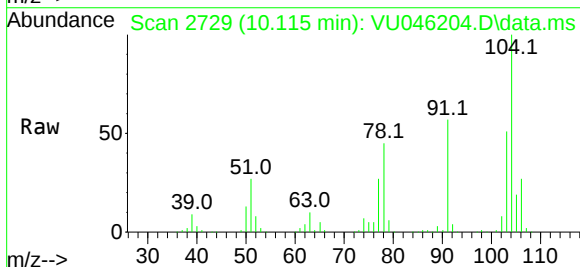
Acq: 09 Dec 2021 02:19

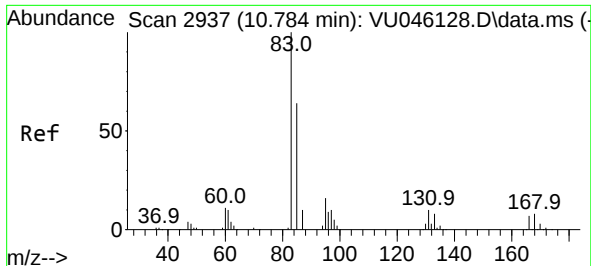
Tgt Ion:104 Resp: 255491

Ion Ratio Lower Upper

104 100

78 45.4 32.6 60.5





#57

1,1,2-Tetrachloroethane

Concen: 52.074 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. -0.003 min

Lab File: VU046204.D

Acq: 09 Dec 2021 02:19

Instrument :

MSVOA_U

ClientSampleId :

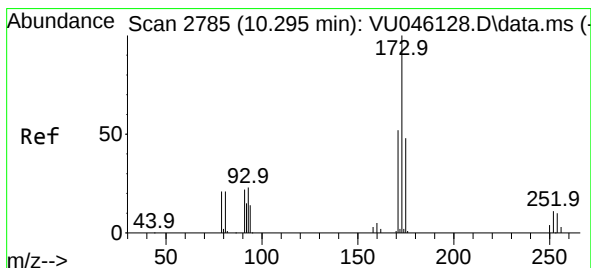
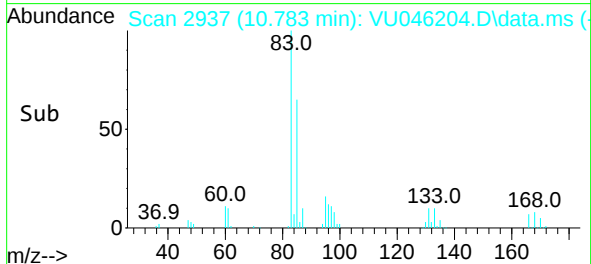
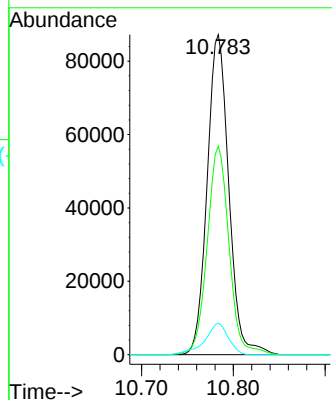
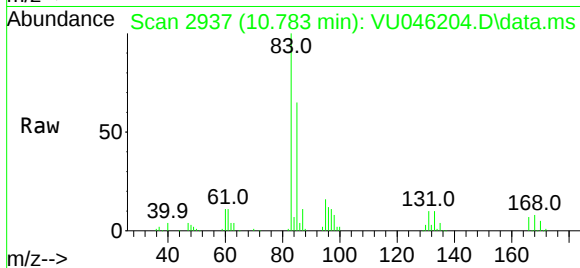
Tgt Ion: 83 Resp: 142967

Ion Ratio Lower Upper

83 100

85 65.1 45.6 84.6

131 9.8 7.8 11.6



#59

Bromoform

Concen: 52.653 ug/L

RT: 10.292 min Scan# 2784

Delta R.T. -0.003 min

Lab File: VU046204.D

Acq: 09 Dec 2021 02:19

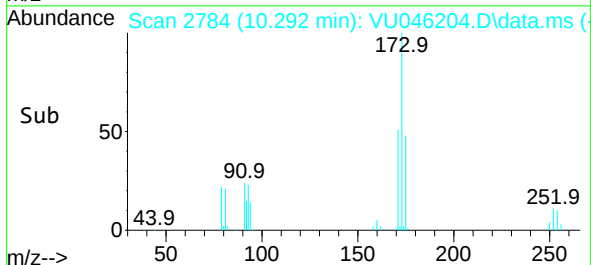
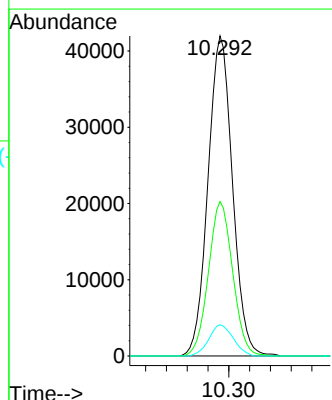
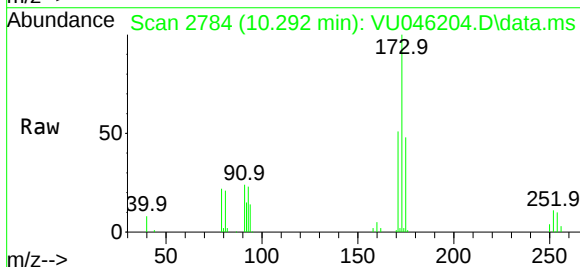
Tgt Ion: 173 Resp: 68736

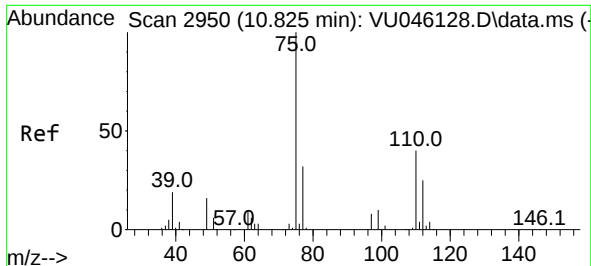
Ion Ratio Lower Upper

173 100

175 47.6 39.2 58.8

254 9.7 7.4 11.2

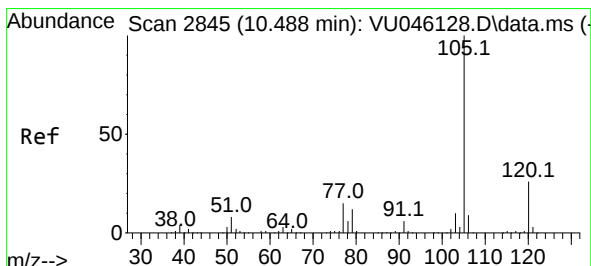
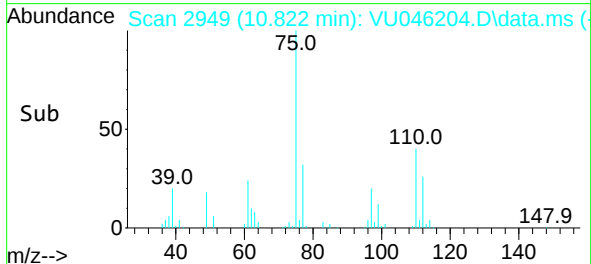
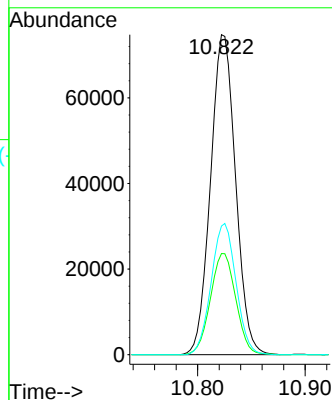
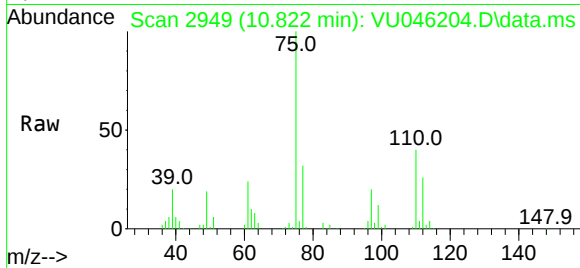




#60
1,2,3-Trichloropropane
Concen: 49.581 ug/L
RT: 10.822 min Scan# 2950
Delta R.T. -0.003 min
Lab File: VU046204.D
Acq: 09 Dec 2021 02:19

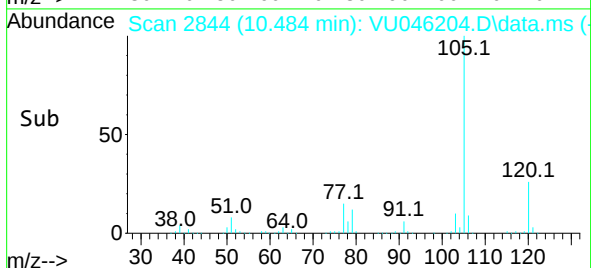
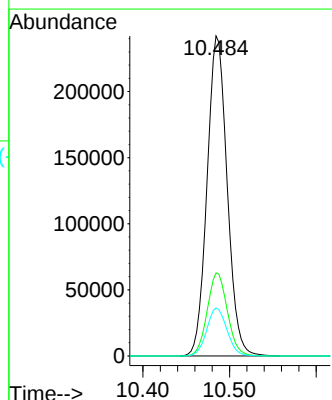
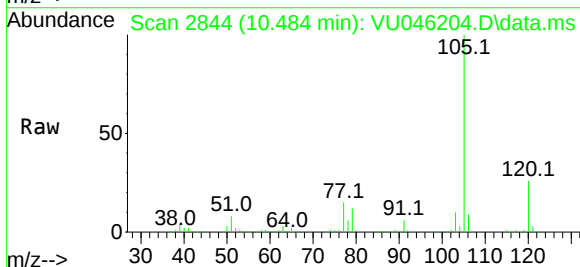
Instrument :
MSVOA_U
ClientSampleId :

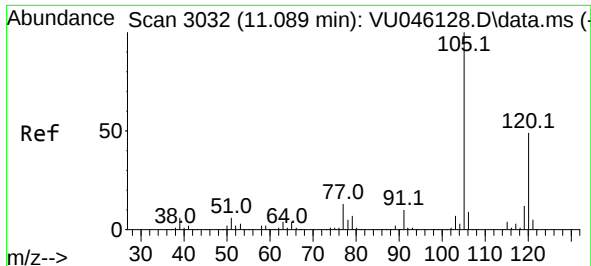
Tgt Ion: 75 Resp: 120948
Ion Ratio Lower Upper
75 100
77 32.0 26.4 39.6
110 40.7 32.4 48.6



#61
Isopropylbenzene
Concen: 53.835 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.003 min
Lab File: VU046204.D
Acq: 09 Dec 2021 02:19

Tgt Ion: 105 Resp: 389789
Ion Ratio Lower Upper
105 100
120 26.0 20.7 31.1
77 15.1 12.2 18.4





#62

1,3,5-Trimethylbenzene

Concen: 54.727 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. -0.003 min

Lab File: VU046204.D

Acq: 09 Dec 2021 02:19

Instrument :

MSVOA_U

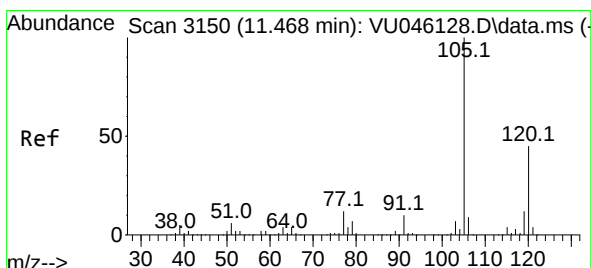
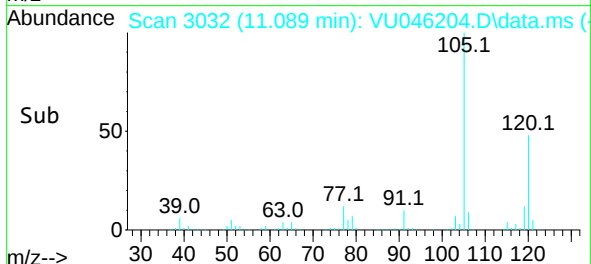
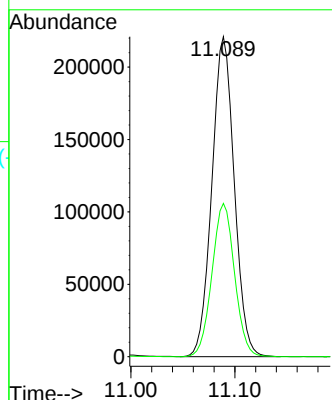
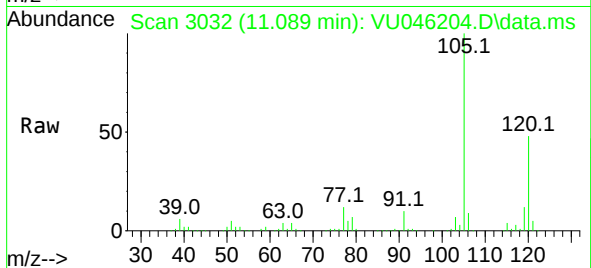
ClientSampleId :

Tgt Ion:105 Resp: 330274

Ion Ratio Lower Upper

105 100

120 48.3 37.8 56.6



#63

1,2,4-Trimethylbenzene

Concen: 55.264 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.003 min

Lab File: VU046204.D

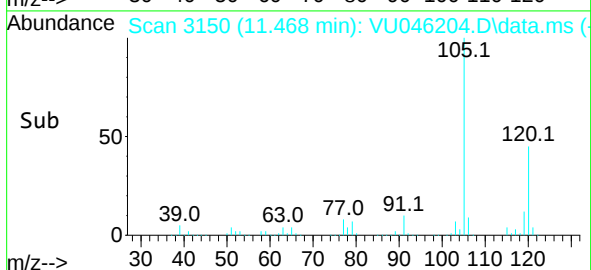
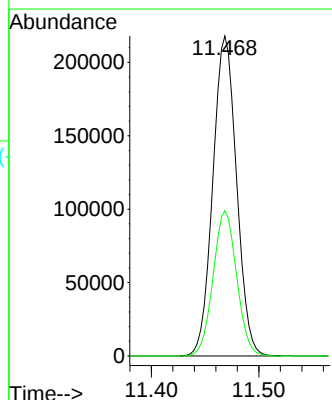
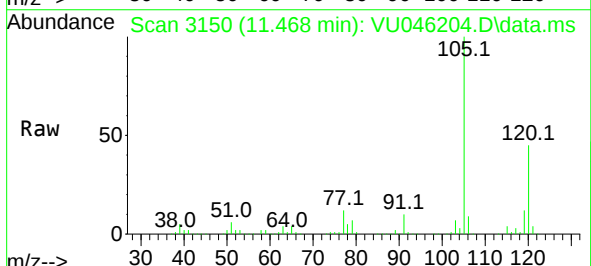
Acq: 09 Dec 2021 02:19

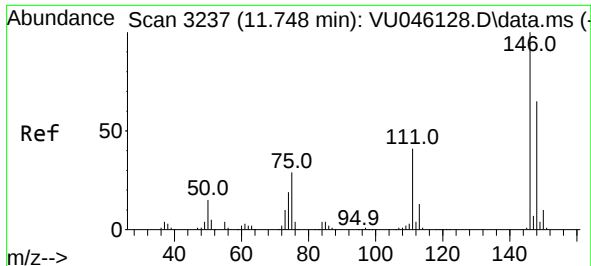
Tgt Ion:105 Resp: 333678

Ion Ratio Lower Upper

105 100

120 45.1 35.2 52.8

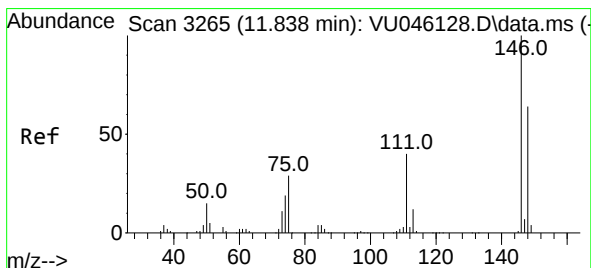
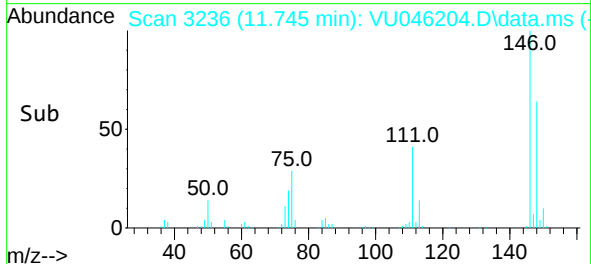
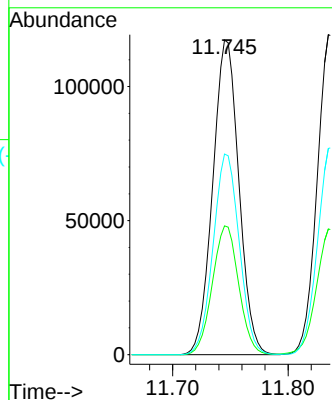
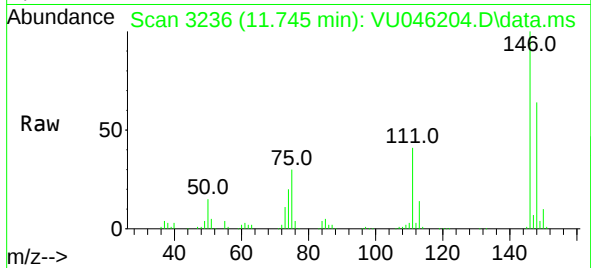




#64
1,3-Dichlorobenzene
Concen: 53.705 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU046204.D
Acq: 09 Dec 2021 02:19

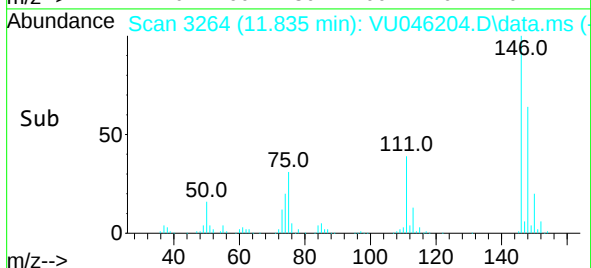
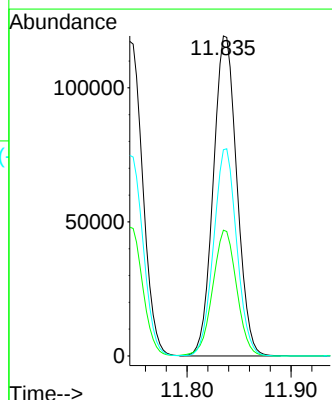
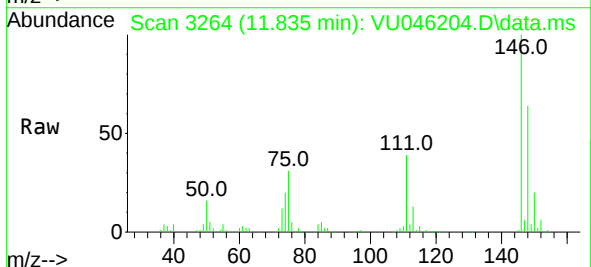
Instrument :
MSVOA_U
ClientSampleId :

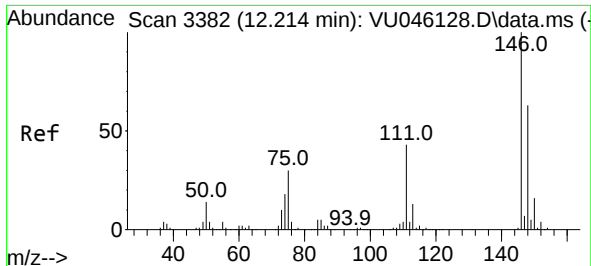
Tgt Ion:146 Resp: 184706
Ion Ratio Lower Upper
146 100
111 40.9 29.5 54.9
148 63.8 45.9 85.3



#65
1,4-Dichlorobenzene
Concen: 53.029 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.003 min
Lab File: VU046204.D
Acq: 09 Dec 2021 02:19

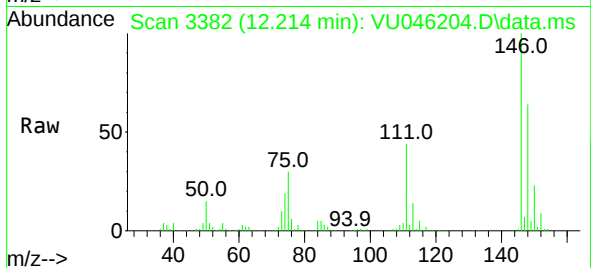
Tgt Ion:146 Resp: 188490
Ion Ratio Lower Upper
146 100
111 39.3 28.3 52.7
148 64.4 43.8 81.3



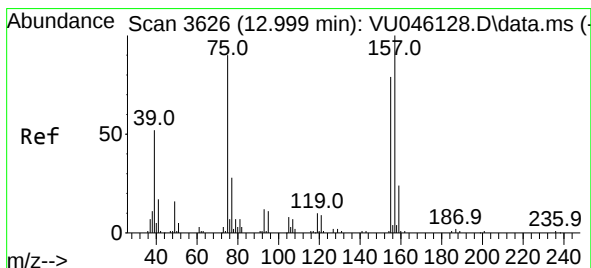
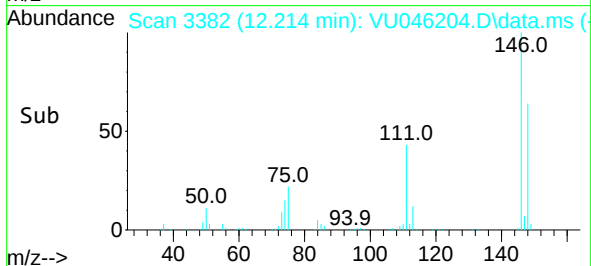
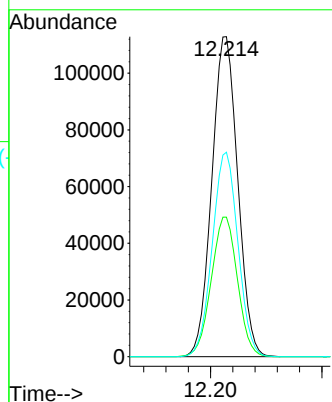


#67
1,2-Dichlorobenzene
Concen: 52.729 ug/L
RT: 12.214 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU046204.D
Acq: 09 Dec 2021 02:19

Instrument :
MSVOA_U
ClientSampleId :

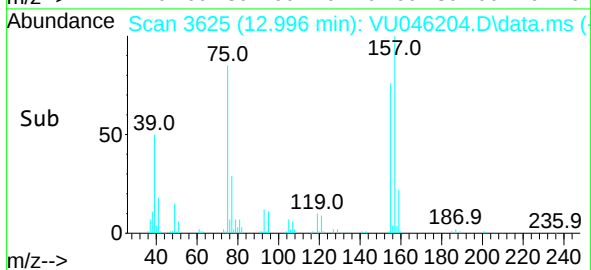
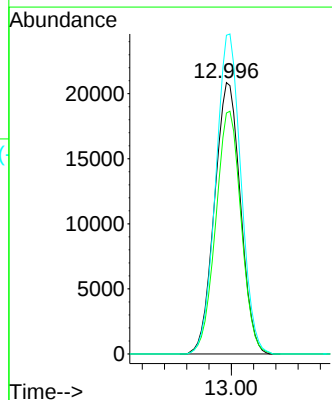
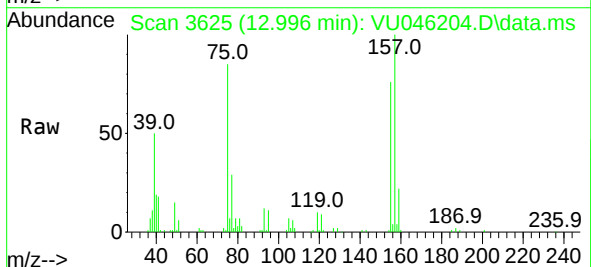


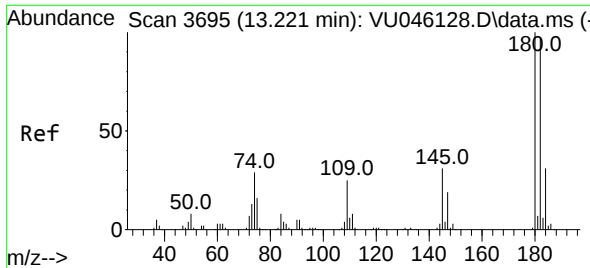
Tgt Ion:146 Resp: 182626
Ion Ratio Lower Upper
146 100
111 43.6 35.7 53.5
148 63.9 51.2 76.8



#68
1,2-Dibromo-3-chloropropane
Concen: 51.906 ug/L
RT: 12.996 min Scan# 3625
Delta R.T. -0.003 min
Lab File: VU046204.D
Acq: 09 Dec 2021 02:19

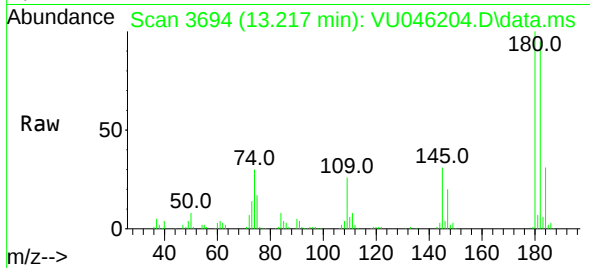
Tgt Ion: 75 Resp: 33731
Ion Ratio Lower Upper
75 100
155 88.8 64.9 97.3
157 117.4 81.9 122.9



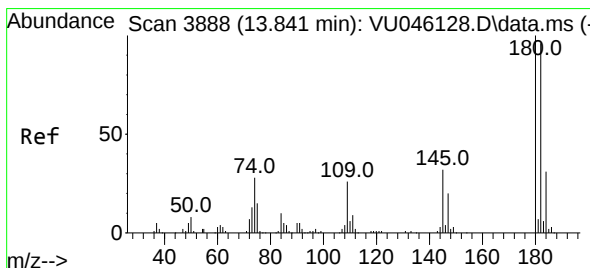
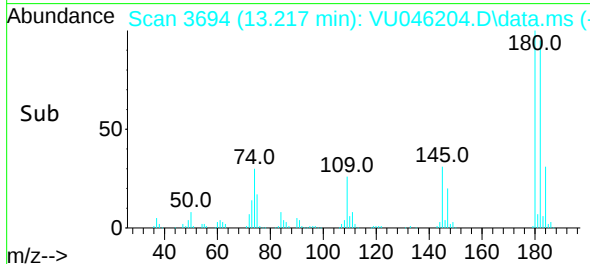
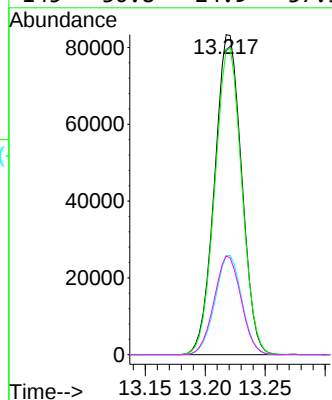


#69
 1,3,5-Trichlorobenzene
 Concen: 52.061 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. -0.003 min
 Lab File: VU046204.D
 Acq: 09 Dec 2021 02:19

Instrument :
 MSVOA_U
 ClientSampleId :

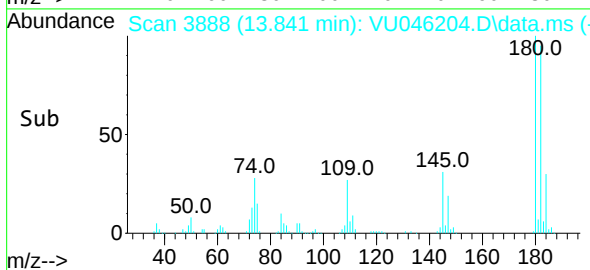
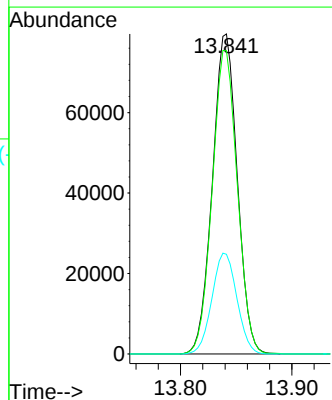
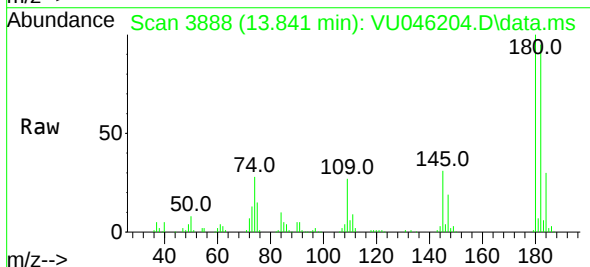


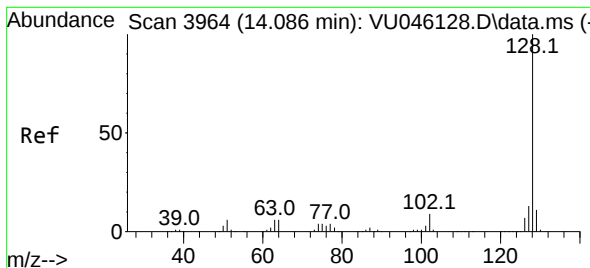
Tgt Ion:180 Resp: 130463
 Ion Ratio Lower Upper
 180 100
 182 95.7 75.9 113.9
 184 30.7 24.2 36.4
 145 30.8 24.9 37.3



#70
 1,2,4-trichlorobenzene
 Concen: 55.498 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU046204.D
 Acq: 09 Dec 2021 02:19

Tgt Ion:180 Resp: 123416
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.7 115.1
 145 31.6 26.0 39.0





#71

Naphthalene

Concen: 60.351 ug/L

RT: 14.086 min Scan# 3964

Delta R.T. -0.003 min

Lab File: VU046204.D

Acq: 09 Dec 2021 02:19

Instrument :

MSVOA_U

ClientSampleId :

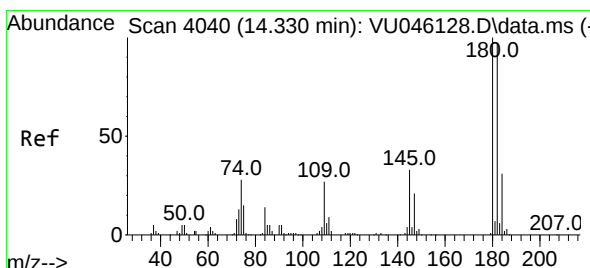
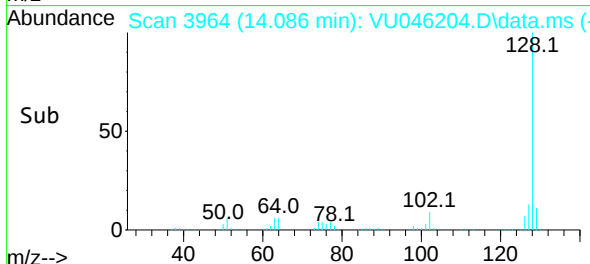
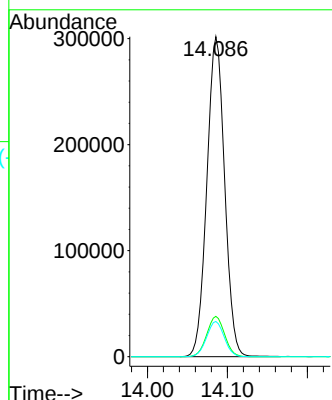
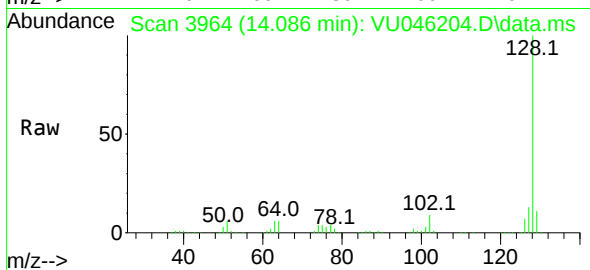
Tgt Ion:128 Resp: 467023

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: 55.585 ug/L

RT: 14.330 min Scan# 4040

Delta R.T. 0.000 min

Lab File: VU046204.D

Acq: 09 Dec 2021 02:19

Tgt Ion:180 Resp: 126050

Ion Ratio Lower Upper

180 100

182 94.0 76.0 114.0

145 32.3 27.3 40.9

