

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121621\
 Data File : VU046434.D
 Acq On : 16 Dec 2021 20:10
 Operator : SY/MD
 Sample : M5037-10MS
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 17 01:55:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 17 01:49:40 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	144779	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	147818	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	82976	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	54899	46.032	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.060%
7) Chloroethane-d5	1.919	69	39616	43.264	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.520%
11) 1,1-Dichloroethene-d2	2.575	63	92542	43.225	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.440%
21) 2-Butanone-d5	4.633	46	75952	80.112	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	80.110%
24) Chloroform-d	5.067	84	101765	51.097	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.200%
26) 1,2-Dichloroethane-d4	5.707	65	64387	48.173	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.340%
32) Benzene-d6	5.729	84	195195	46.072	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.140%
36) 1,2-Dichloropropane-d6	6.694	67	59396	45.236	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.480%
41) Toluene-d8	7.899	98	176396	45.728	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.460%
43) trans-1,3-Dichloroprop...	8.179	79	28871	45.549	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.100%
47) 2-Hexanone-d5	8.632	63	57402	92.203	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.200%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	88179	44.283	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.560%
66) 1,2-Dichlorobenzene-d4	12.195	152	65515	40.999	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	58504	37.142	ug/L	100
3) Chloromethane	1.523	50	51251	36.377	ug/L	99
5) Vinyl chloride	1.607	62	54873	38.627	ug/L	99
6) Bromomethane	1.864	94	29995	37.253	ug/L	100
8) Chloroethane	1.938	64	34235	41.622	ug/L	100
9) Trichlorofluoromethane	2.144	101	88231	47.573	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	50331	47.776	ug/L	98
12) 1,1-Dichloroethene	2.584	96	43188	43.142	ug/L	98
13) Acetone	2.649	43	59617	50.315	ug/L	96
14) Carbon disulfide	2.800	76	91528	29.470	ug/L	99
15) Methyl Acetate	2.957	43	46923	33.971	ug/L	100
16) Methylene chloride	3.051	84	56419	47.370	ug/L	99
17) trans-1,2-Dichloroethene	3.359	96	46060	43.478	ug/L	97
18) Methyl tert-butyl Ether	3.369	73	173263	53.069	ug/L	99
19) 1,1-Dichloroethane	3.874	63	100229	52.035	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	57048	49.629	ug/L	100
22) 2-Butanone	4.713	43	93772	72.699	ug/L	97
23) Bromochloromethane	4.980	128	30265	52.130	ug/L	90
25) Chloroform	5.092	83	109822	51.315	ug/L	99

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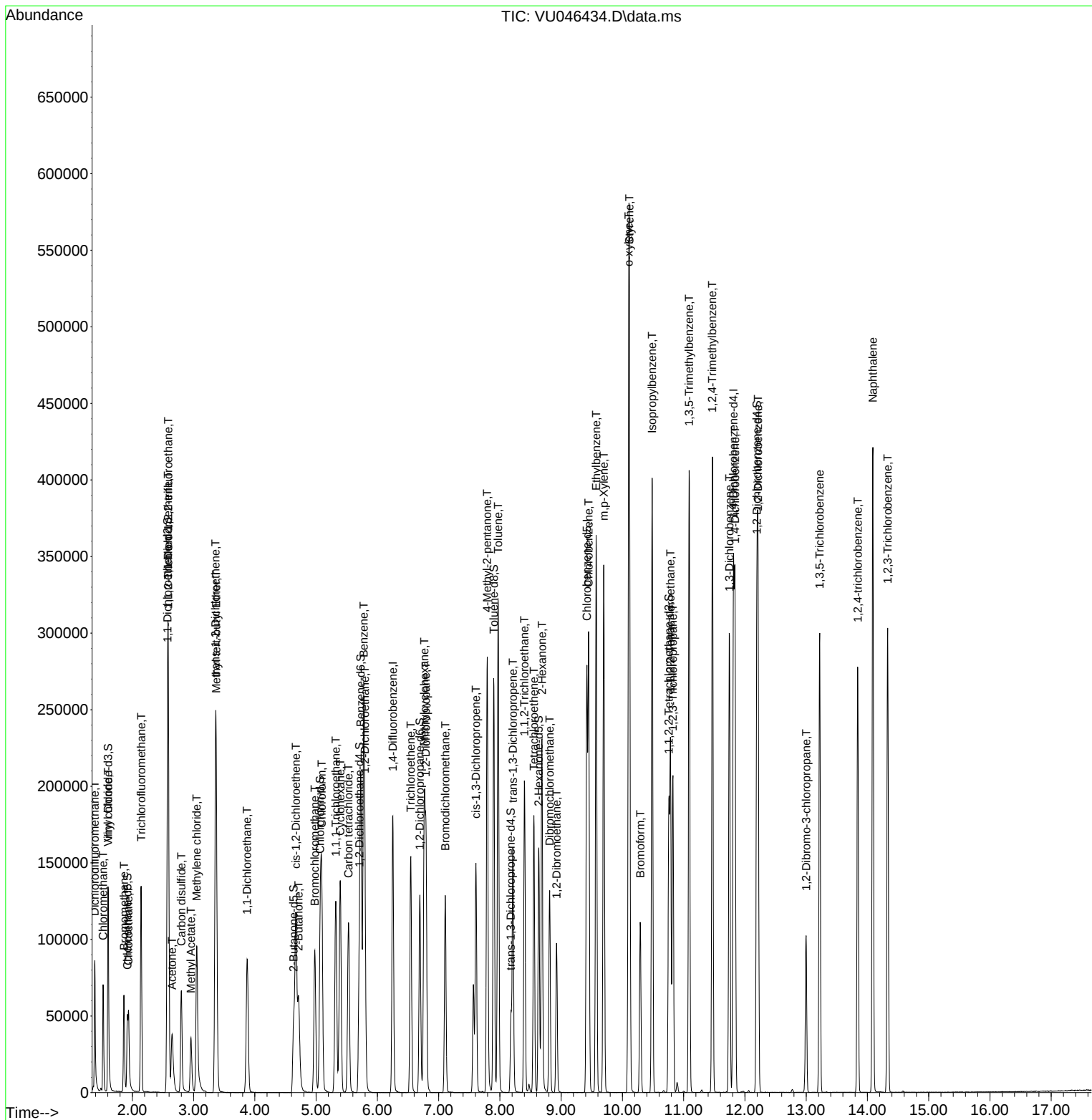
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 ClientSampleId :

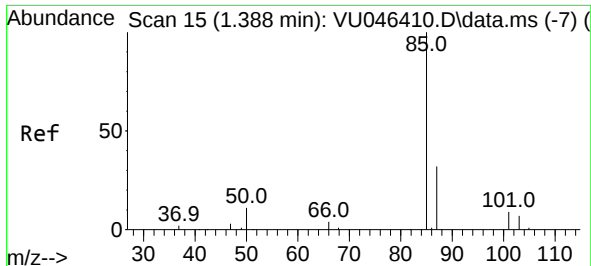
Quant Time: Dec 17 01:55:46 2021
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 Quant Title : VOC Analysis
 QLast Update : Fri Dec 17 01:49:40 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	86589	54.523	ug/L	98
29) Cyclohexane	5.395	56	66879	38.855	ug/L	99
30) 1,1,1-Trichloroethane	5.321	97	93479	51.519	ug/L	100
31) Carbon tetrachloride	5.530	117	78164	50.742	ug/L	98
33) Benzene	5.777	78	214791	48.010	ug/L	100
34) Trichloroethene	6.546	95	53857	45.695	ug/L	95
35) Methylcyclohexane	6.768	83	74642	40.844	ug/L	99
37) 1,2-Dichloropropane	6.793	63	60660	51.759	ug/L	99
38) Bromodichloromethane	7.108	83	84394	54.177	ug/L	100
39) cis-1,3-Dichloropropene	7.610	75	90512	50.767	ug/L	100
40) 4-Methyl-2-pentanone	7.793	43	175156	101.722	ug/L	99
42) Toluene	7.970	91	233225	48.583	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	89017	50.835	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	61738	52.508	ug/L	98
46) Tetrachloroethene	8.555	164	38707	44.689	ug/L	98
48) 2-Hexanone	8.687	43	137713	89.428	ug/L	99
49) Dibromochloromethane	8.813	129	67106	54.350	ug/L	100
50) 1,2-Dibromoethane	8.925	107	63026	49.442	ug/L	99
51) Chlorobenzene	9.449	112	155980	50.223	ug/L	100
52) Ethylbenzene	9.571	91	252007	48.777	ug/L	99
53) m,p-Xylene	9.697	106	98083	48.680	ug/L	97
54) o-xylene	10.102	106	96902	49.564	ug/L	98
55) Styrene	10.115	104	173054	51.846	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.784	83	106194	52.680	ug/L	98
59) Bromoform	10.292	173	49330	50.678	ug/L	98
60) 1,2,3-Trichloropropane	10.825	75	86981	47.820	ug/L	98
61) Isopropylbenzene	10.484	105	255611	47.346	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	219367	48.749	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	222970	49.526	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	119166	46.468	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	123791	46.707	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	124144	48.071	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.999	75	26401	54.485	ug/L	99
69) 1,3,5-Trichlorobenzene	13.221	180	88334	47.274	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	80521	48.561	ug/L	99
71) Naphthalene	14.089	128	314618	54.526	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	88595	52.395	ug/L	99

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

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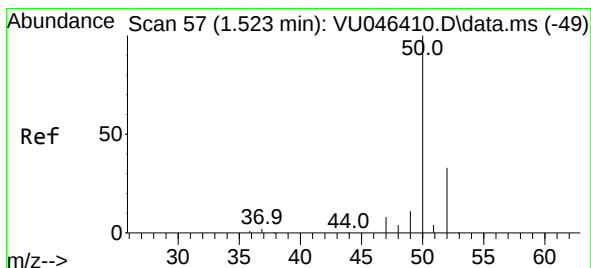
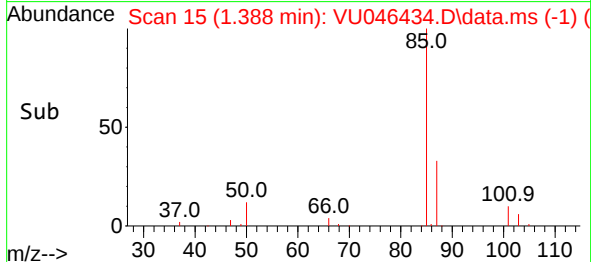
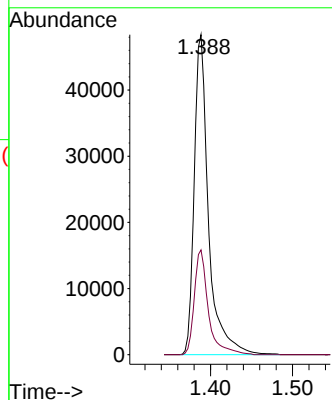
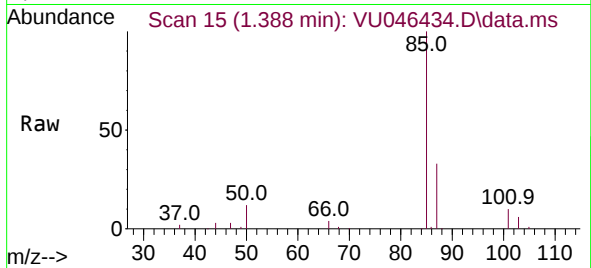




#2
 Dichlorodifluoromethane
 Concen: 37.142 ug/L
 RT: 1.388 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VU046434.D
 Acq: 16 Dec 2021 20:10

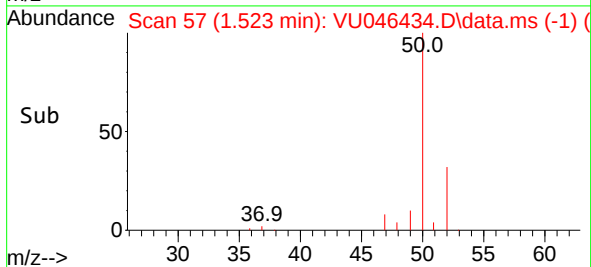
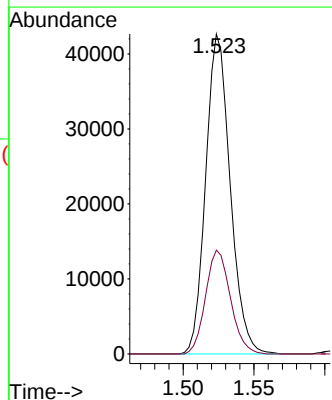
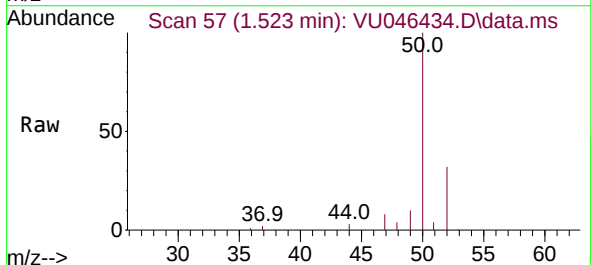
Instrument :
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 ClientSampleId :

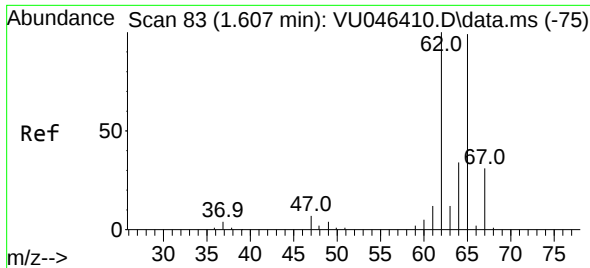
Tgt Ion: 85 Resp: 58504
 Ion Ratio Lower Upper
 85 100
 87 32.2 25.7 38.5



#3
 Chloromethane
 Concen: 36.377 ug/L
 RT: 1.523 min Scan# 57
 Delta R.T. 0.000 min
 Lab File: VU046434.D
 Acq: 16 Dec 2021 20:10

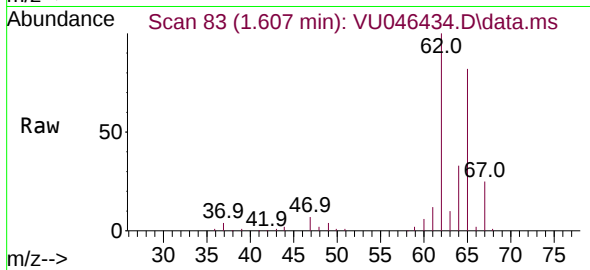
Tgt Ion: 50 Resp: 51251
 Ion Ratio Lower Upper
 50 100
 52 32.4 23.2 43.2



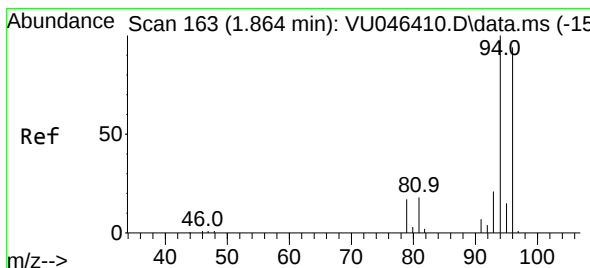
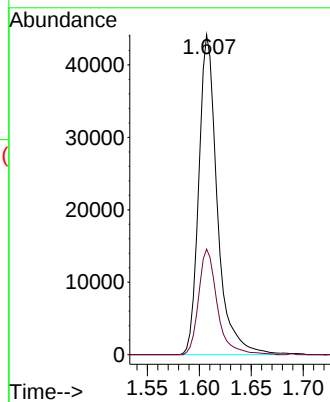
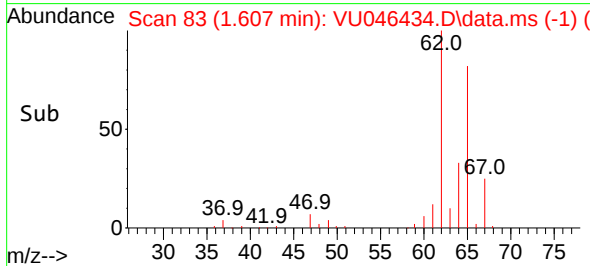


#5
 Vinyl chloride
 Concen: 38.627 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU046434.D
 Acq: 16 Dec 2021 20:10

Instrument :
 MSVOA_U
 ClientSampleId :

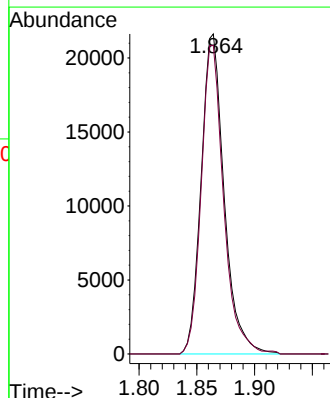
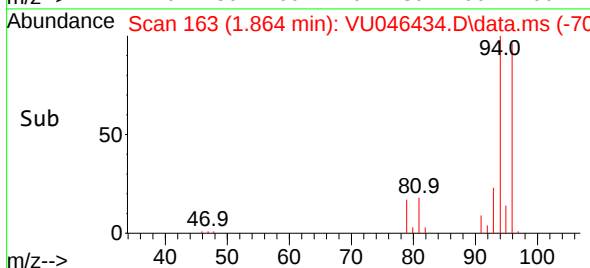
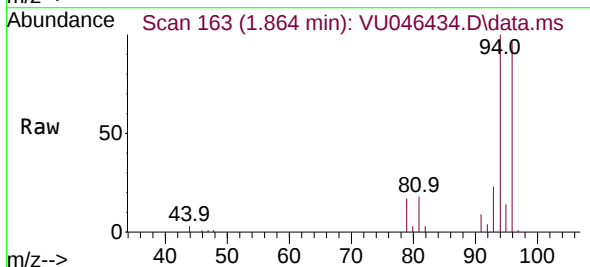


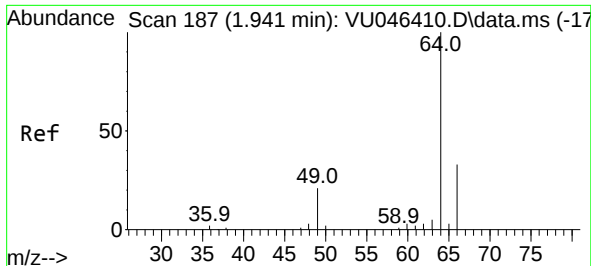
Tgt Ion: 62 Resp: 54873
 Ion Ratio Lower Upper
 62 100
 64 33.0 22.9 42.5



#6
 Bromomethane
 Concen: 37.253 ug/L
 RT: 1.864 min Scan# 163
 Delta R.T. 0.000 min
 Lab File: VU046434.D
 Acq: 16 Dec 2021 20:10

Tgt Ion: 94 Resp: 29995
 Ion Ratio Lower Upper
 94 100
 96 96.4 67.4 125.2

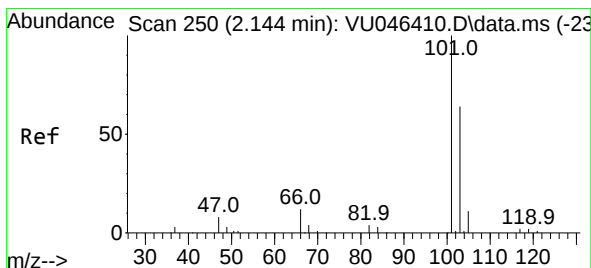
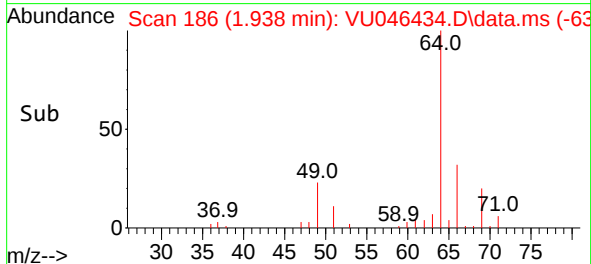
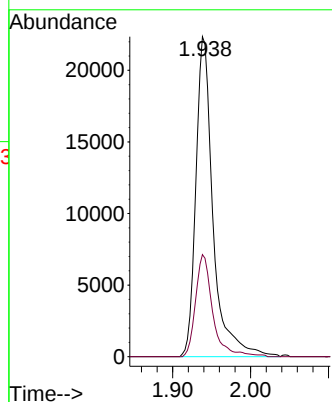
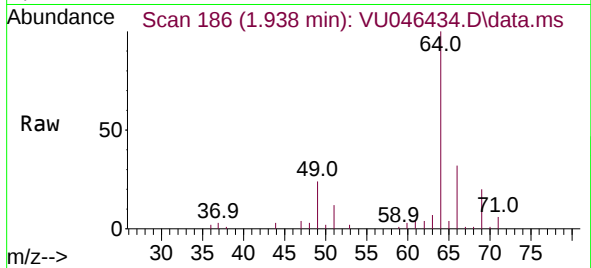




#8
Chloroethane
Concen: 41.622 ug/L
RT: 1.938 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU046434.D
Acq: 16 Dec 2021 20:10

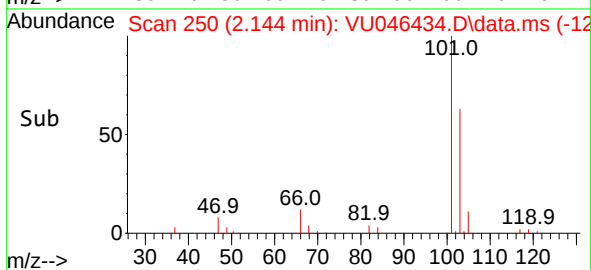
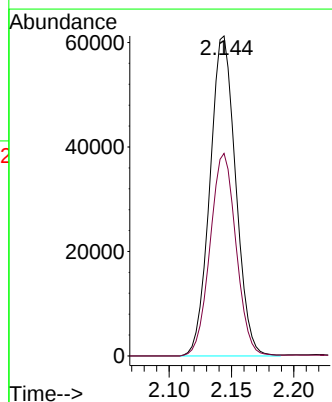
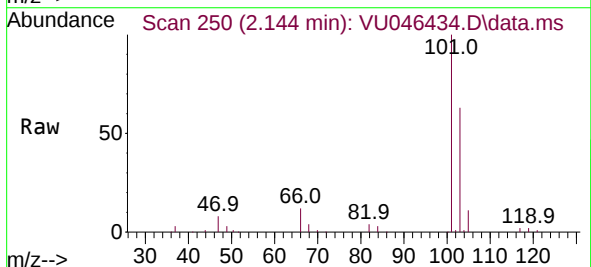
Instrument :
MSVOA_U
ClientSampleId :

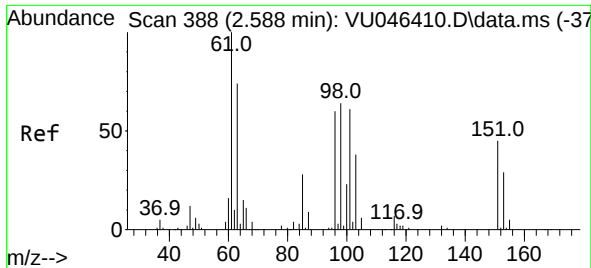
Tgt Ion: 64 Resp: 34235
Ion Ratio Lower Upper
64 100
66 31.9 22.5 41.9



#9
Trichlorofluoromethane
Concen: 47.573 ug/L
RT: 2.144 min Scan# 250
Delta R.T. 0.000 min
Lab File: VU046434.D
Acq: 16 Dec 2021 20:10

Tgt Ion:101 Resp: 88231
Ion Ratio Lower Upper
101 100
103 63.8 51.8 77.6

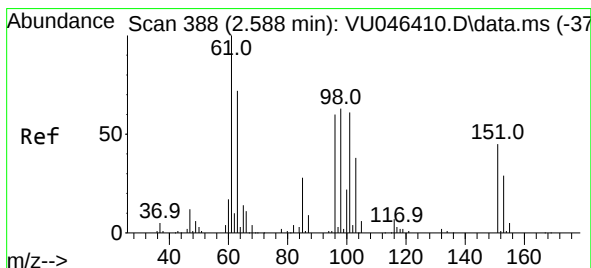
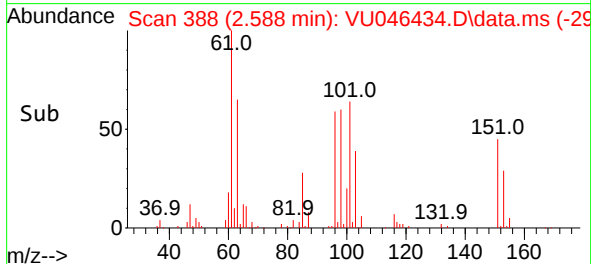
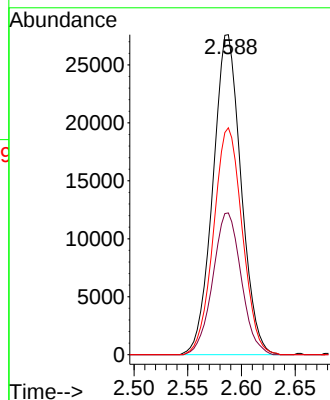
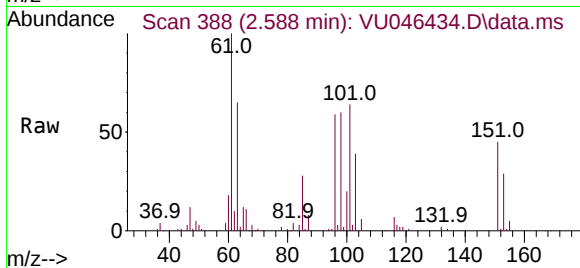




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 47.776 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. 0.000 min
 Lab File: VU046434.D
 Acq: 16 Dec 2021 20:10

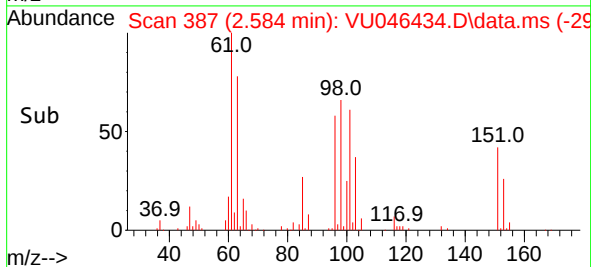
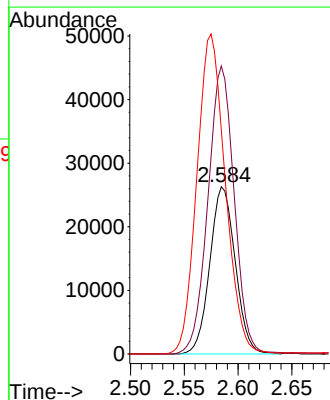
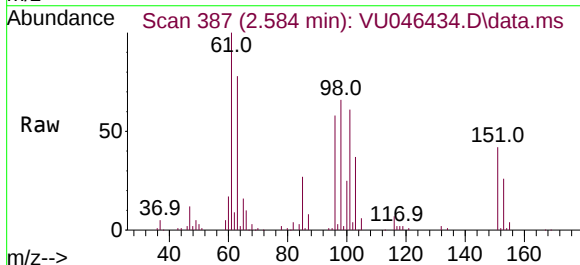
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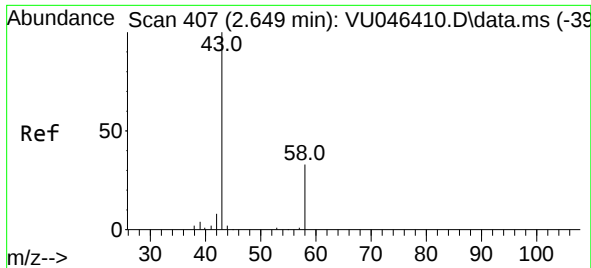
Tgt Ion:101 Resp: 50331
 Ion Ratio Lower Upper
 101 100
 85 44.7 35.1 52.7
 151 72.4 56.7 85.1



#12
 1,1-Dichloroethene
 Concen: 43.142 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. -0.003 min
 Lab File: VU046434.D
 Acq: 16 Dec 2021 20:10

Tgt Ion: 96 Resp: 43188
 Ion Ratio Lower Upper
 96 100
 61 172.3 118.6 220.2
 63 133.8 93.0 172.8





#13

Acetone

Concen: 50.315 ug/L

RT: 2.649 min Scan# 407

Delta R.T. 0.000 min

Lab File: VU046434.D

Acq: 16 Dec 2021 20:10

Instrument :

MSVOA_U

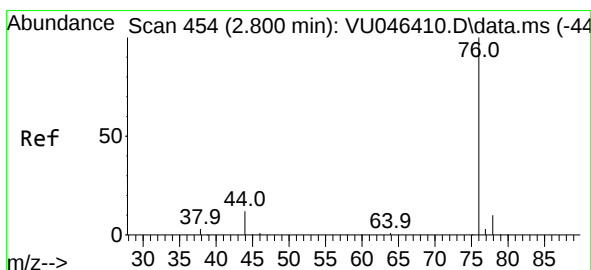
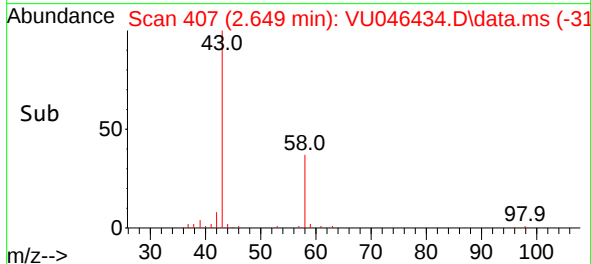
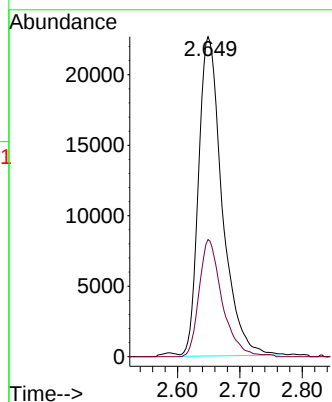
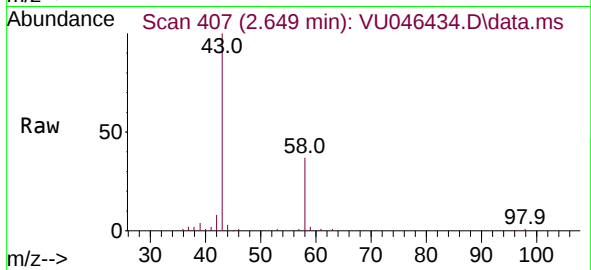
ClientSampleId :

Tgt Ion: 43 Resp: 59617

Ion Ratio Lower Upper

43 100

58 35.6 0.0 66.8



#14

Carbon disulfide

Concen: 29.470 ug/L

RT: 2.800 min Scan# 454

Delta R.T. 0.000 min

Lab File: VU046434.D

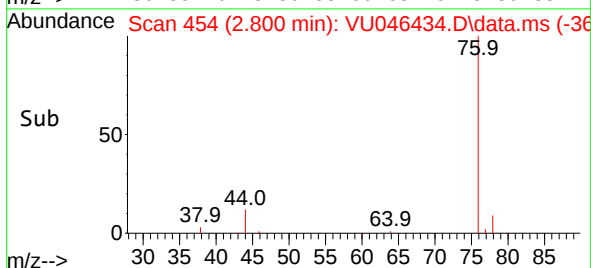
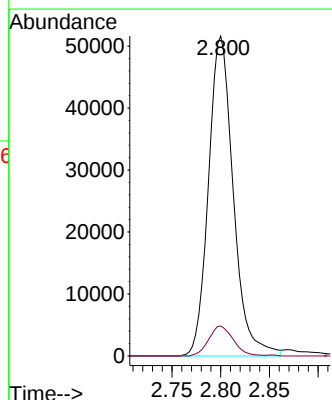
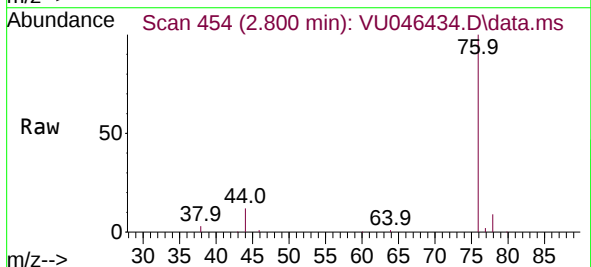
Acq: 16 Dec 2021 20:10

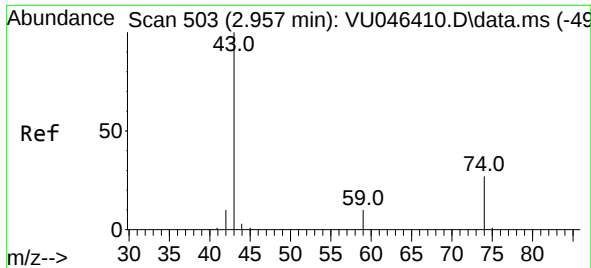
Tgt Ion: 76 Resp: 91528

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9

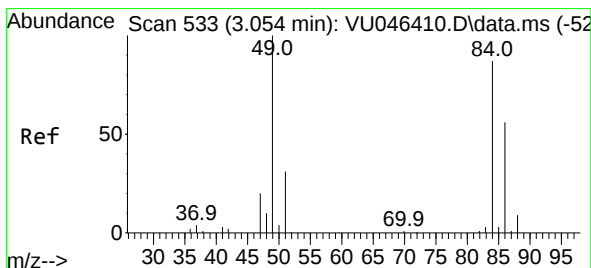
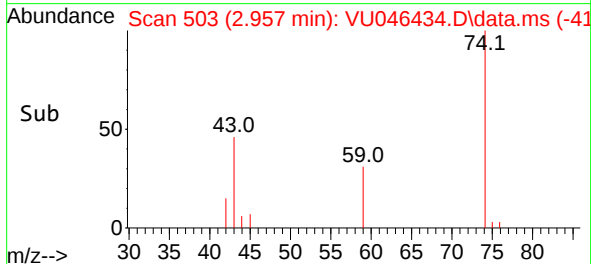
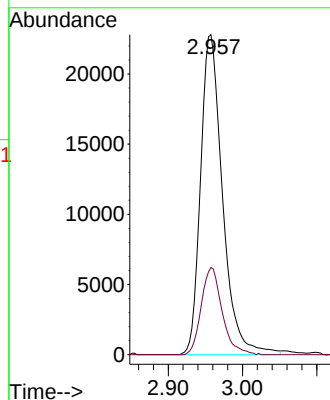
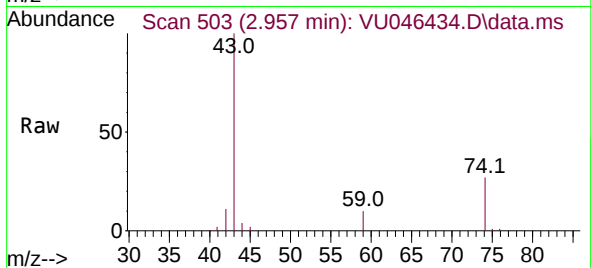




#15
Methyl Acetate
Concen: 33.971 ug/L
RT: 2.957 min Scan# 503
Delta R.T. 0.000 min
Lab File: VU046434.D
Acq: 16 Dec 2021 20:10

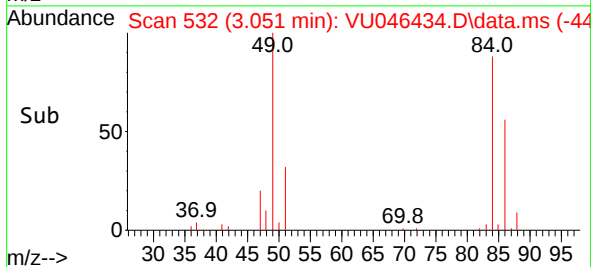
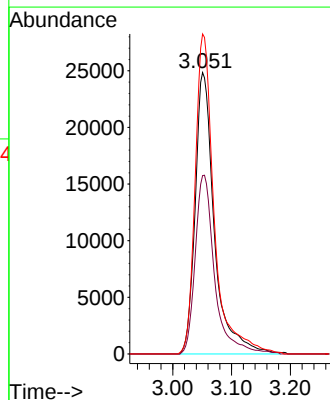
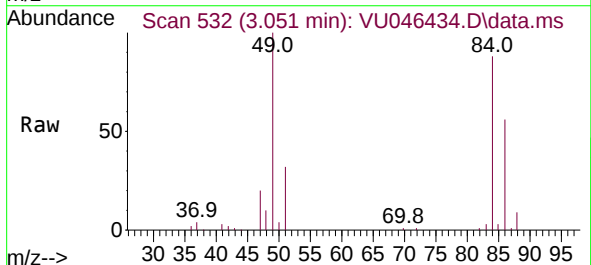
Instrument :
MSVOA_U
ClientSampleId :

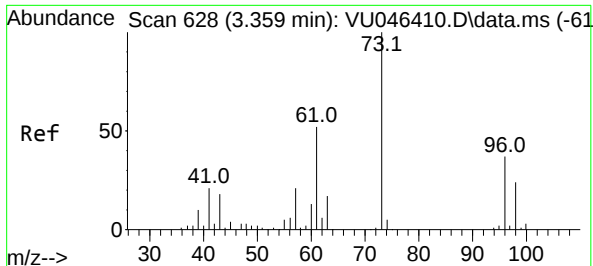
Tgt Ion: 43 Resp: 46923
Ion Ratio Lower Upper
43 100
74 25.8 20.8 31.2



#16
Methylene chloride
Concen: 47.370 ug/L
RT: 3.051 min Scan# 532
Delta R.T. -0.003 min
Lab File: VU046434.D
Acq: 16 Dec 2021 20:10

Tgt Ion: 84 Resp: 56419
Ion Ratio Lower Upper
84 100
86 63.4 44.7 83.1
49 113.7 78.4 145.6





#17

trans-1,2-Dichloroethene

Concen: 43.478 ug/L

RT: 3.359 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU046434.D

Acq: 16 Dec 2021 20:10

Instrument :

MSVOA_U

ClientSampleId :

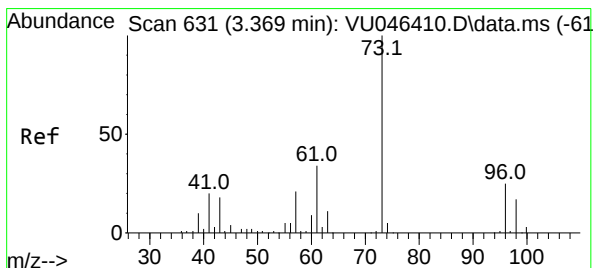
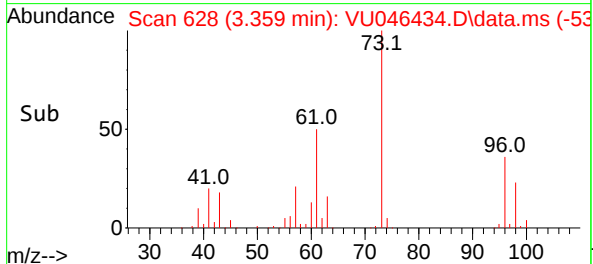
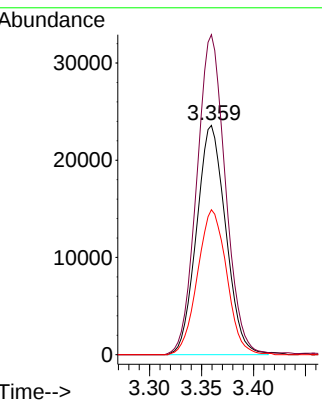
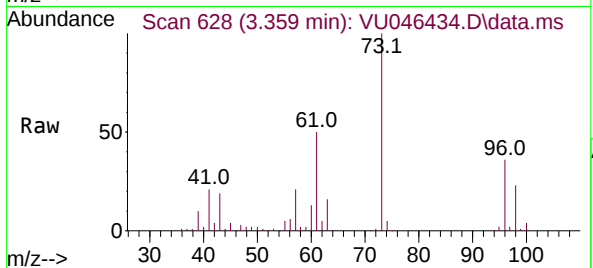
Tgt Ion: 96 Resp: 46060

Ion Ratio Lower Upper

96 100

61 139.5 94.6 175.6

98 63.2 44.0 81.8



#18

Methyl tert-butyl Ether

Concen: 53.069 ug/L

RT: 3.369 min Scan# 631

Delta R.T. 0.000 min

Lab File: VU046434.D

Acq: 16 Dec 2021 20:10

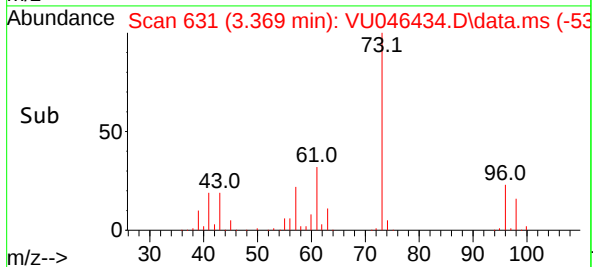
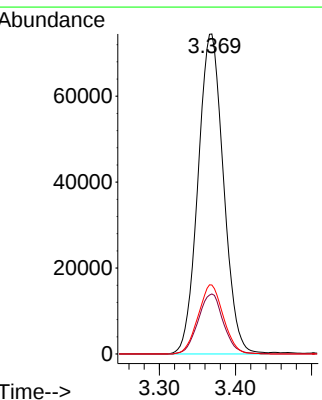
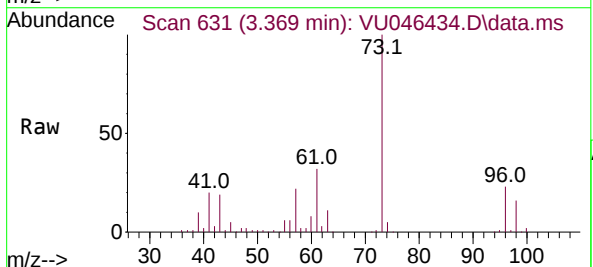
Tgt Ion: 73 Resp: 173263

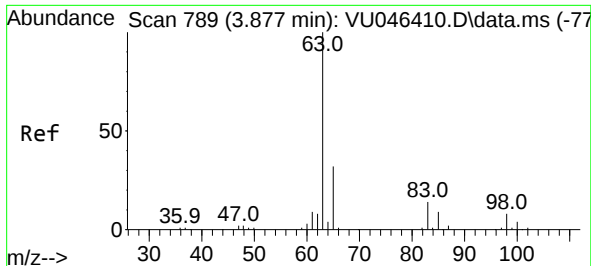
Ion Ratio Lower Upper

73 100

43 18.6 14.0 21.0

57 21.4 17.0 25.4





#19

1,1-Dichloroethane

Concen: 52.035 ug/L

RT: 3.874 min Scan# 71

Delta R.T. -0.003 min

Lab File: VU046434.D

Acq: 16 Dec 2021 20:10

Instrument :

MSVOA_U

ClientSampleId :

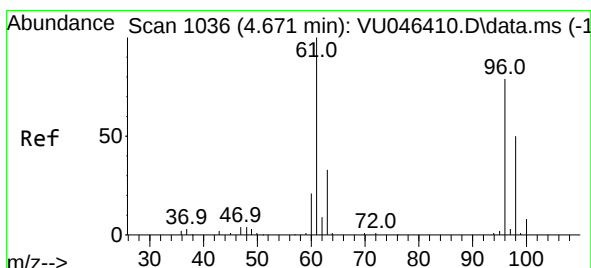
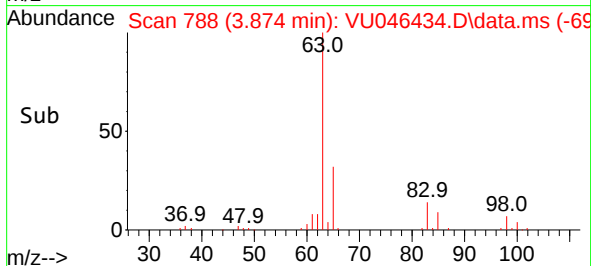
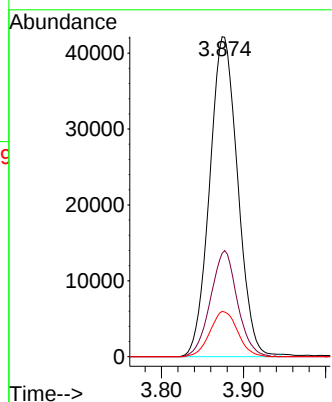
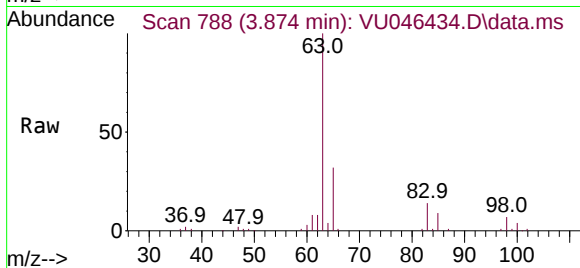
Tgt Ion: 63 Resp: 100229

Ion Ratio Lower Upper

63 100

65 32.3 22.8 42.4

83 14.2 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 49.629 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU046434.D

Acq: 16 Dec 2021 20:10

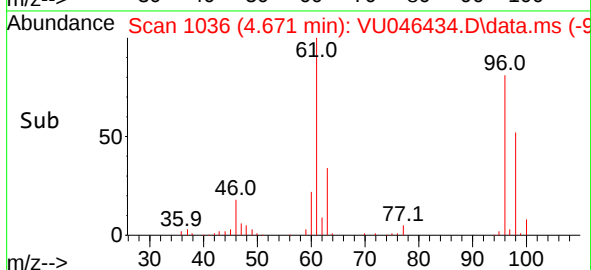
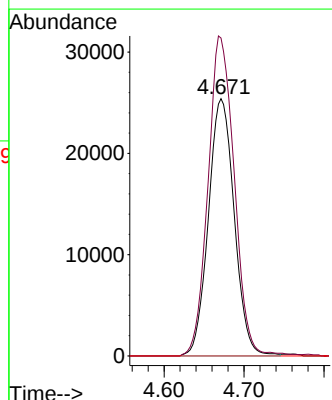
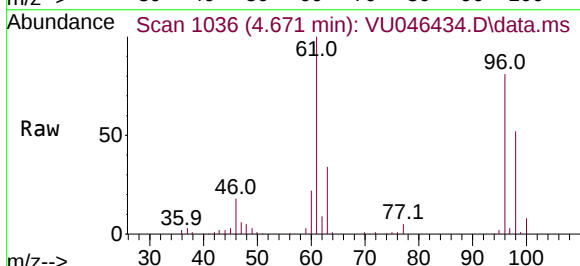
Tgt Ion: 96 Resp: 57048

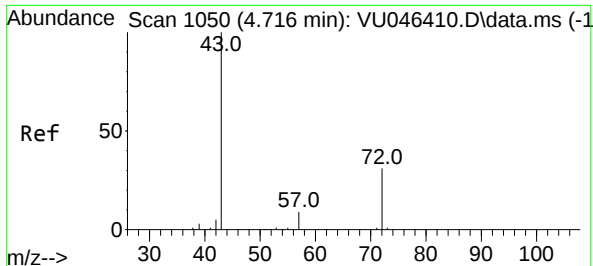
Ion Ratio Lower Upper

96 100

61 123.6 86.8 161.2

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 72.699 ug/L

RT: 4.713 min Scan# 1049

Delta R.T. -0.003 min

Lab File: VU046434.D

Acq: 16 Dec 2021 20:10

Instrument :

MSVOA_U

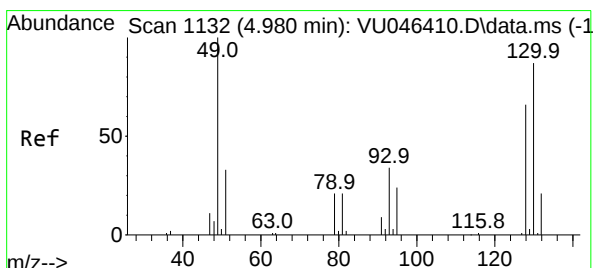
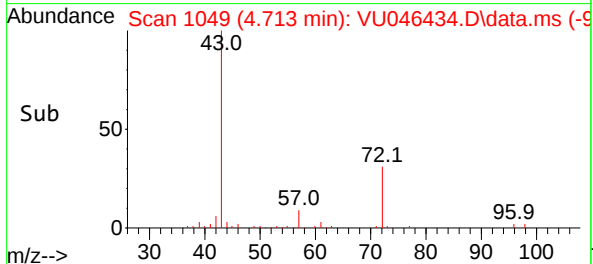
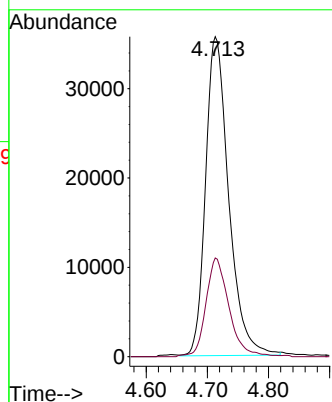
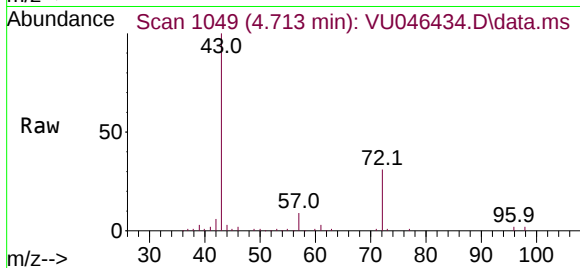
ClientSampleId :

Tgt Ion: 43 Resp: 93772

Ion Ratio Lower Upper

43 100

72 30.6 14.5 43.6



#23

Bromochloromethane

Concen: 52.130 ug/L

RT: 4.980 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VU046434.D

Acq: 16 Dec 2021 20:10

Tgt Ion: 128 Resp: 30265

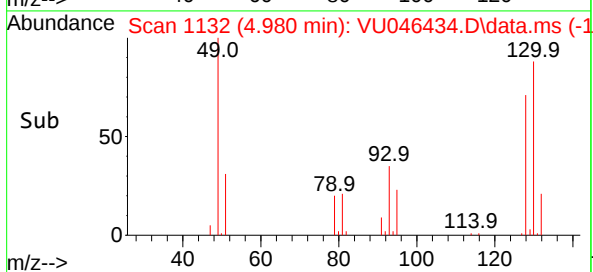
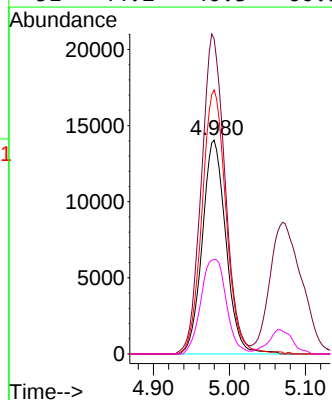
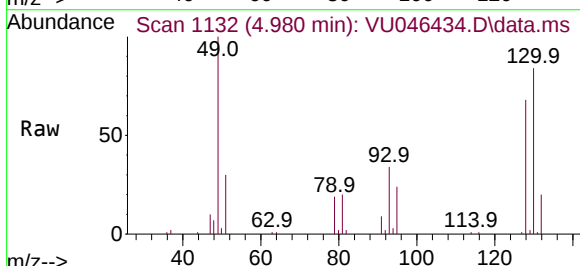
Ion Ratio Lower Upper

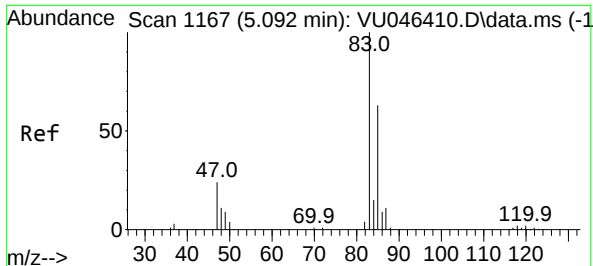
128 100

49 147.4 115.9 215.3

130 123.5 91.8 170.4

51 44.2 40.3 60.5





#25

Chloroform

Concen: 51.315 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. 0.000 min

Lab File: VU046434.D

Acq: 16 Dec 2021 20:10

Instrument :

MSVOA_U

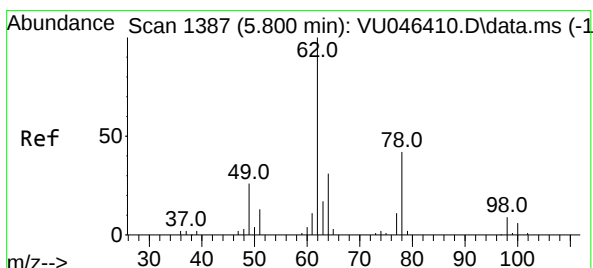
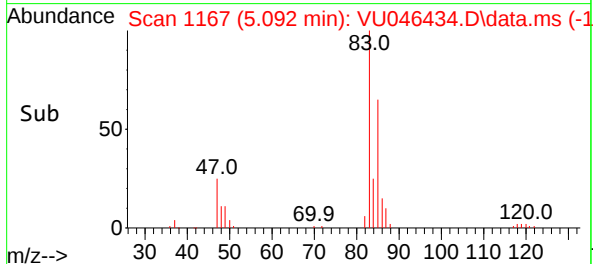
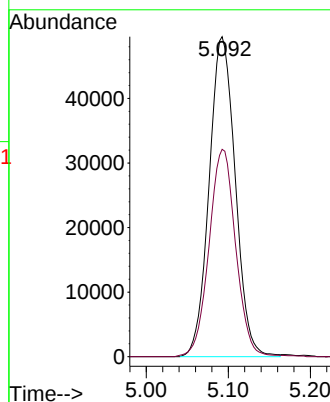
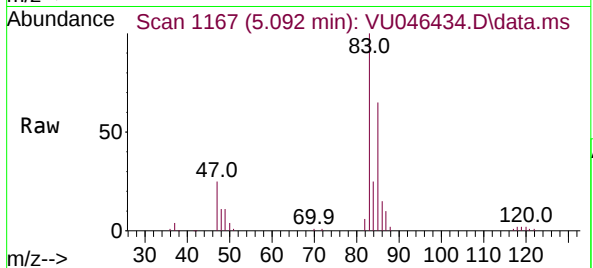
ClientSampleId :

Tgt Ion: 83 Resp: 109822

Ion Ratio Lower Upper

83 100

85 64.8 45.8 85.2



#27

1,2-Dichloroethane

Concen: 54.523 ug/L

RT: 5.797 min Scan# 1386

Delta R.T. -0.003 min

Lab File: VU046434.D

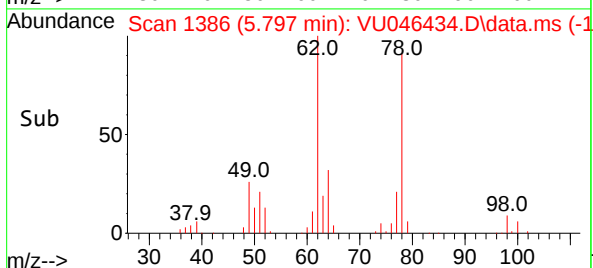
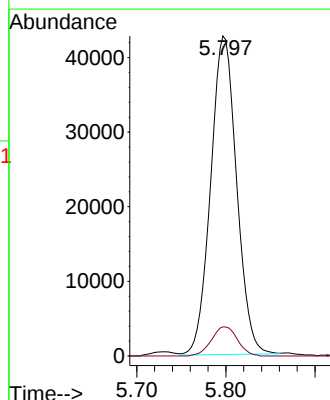
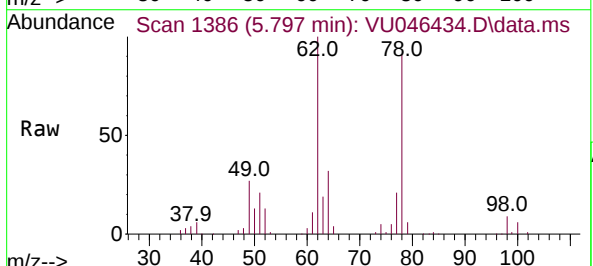
Acq: 16 Dec 2021 20:10

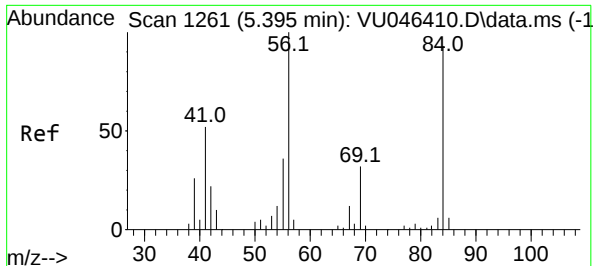
Tgt Ion: 62 Resp: 86589

Ion Ratio Lower Upper

62 100

98 9.1 7.9 11.9





#29

Cyclohexane

Concen: 38.855 ug/L

RT: 5.395 min Scan# 1261

Delta R.T. 0.000 min

Lab File: VU046434.D

Acq: 16 Dec 2021 20:10

Instrument :

MSVOA_U

ClientSampleId :

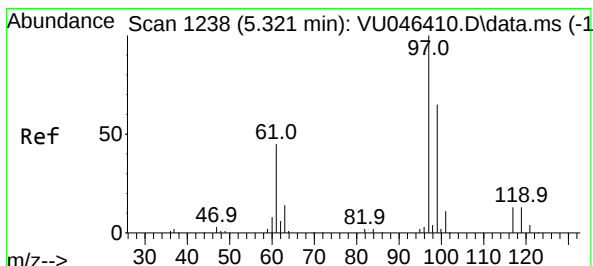
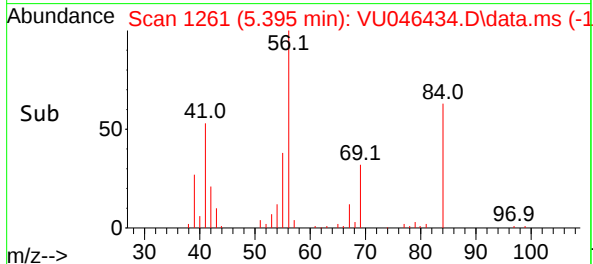
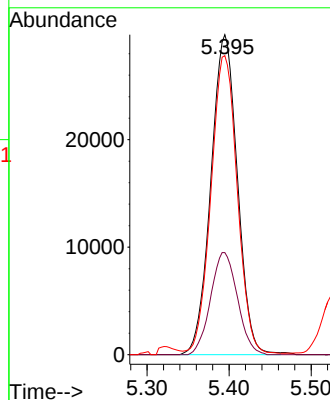
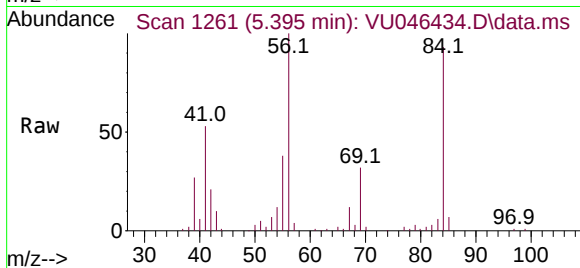
Tgt Ion: 56 Resp: 66879

Ion Ratio Lower Upper

56 100

69 32.3 25.2 37.8

84 92.4 73.3 109.9



#30

1,1,1-Trichloroethane

Concen: 51.519 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VU046434.D

Acq: 16 Dec 2021 20:10

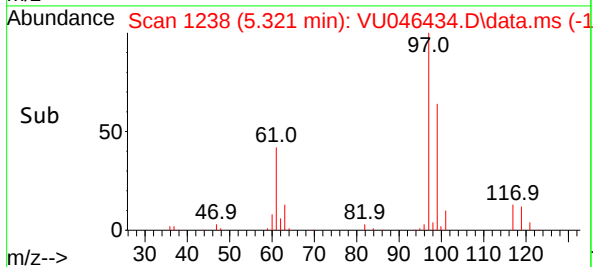
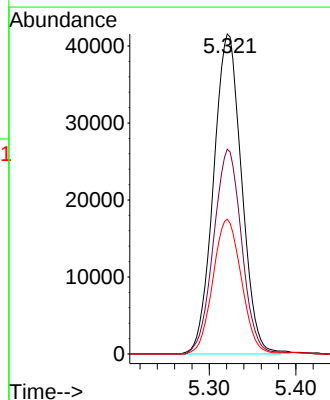
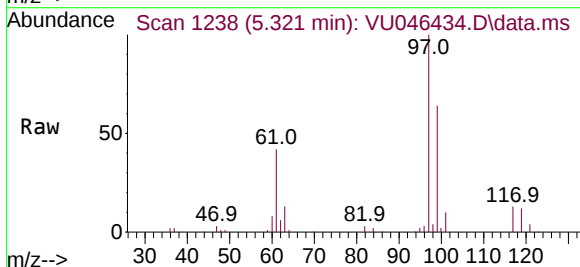
Tgt Ion: 97 Resp: 93479

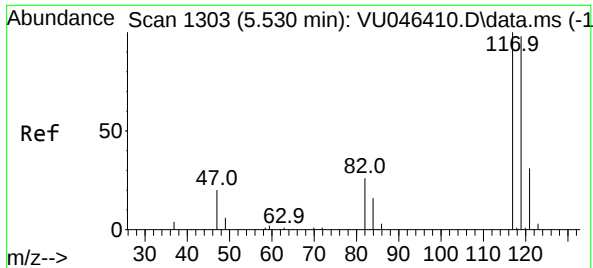
Ion Ratio Lower Upper

97 100

99 64.3 51.8 77.6

61 42.7 34.4 51.6

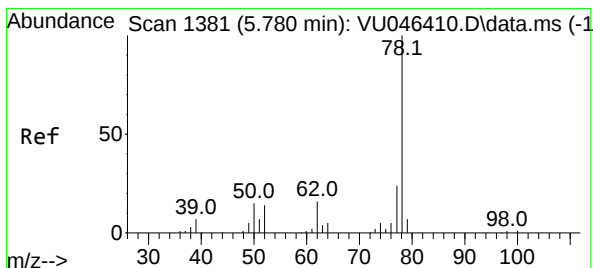
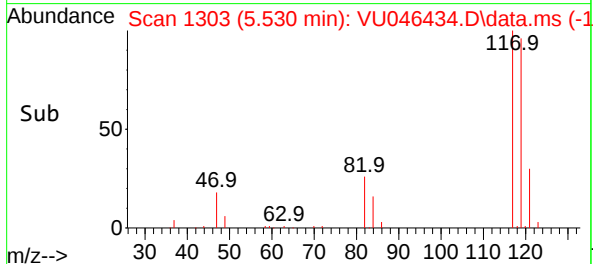
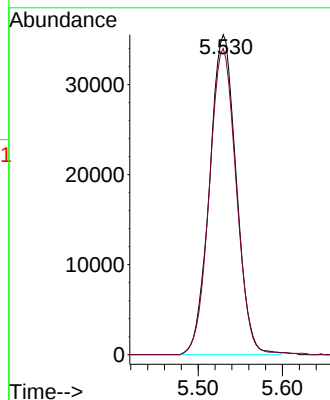
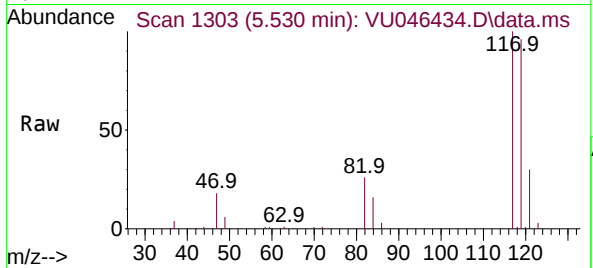




#31
Carbon tetrachloride
Concen: 50.742 ug/L
RT: 5.530 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU046434.D
Acq: 16 Dec 2021 20:10

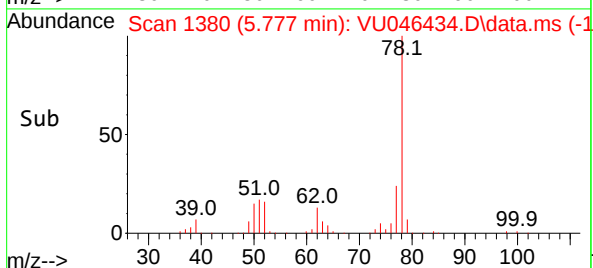
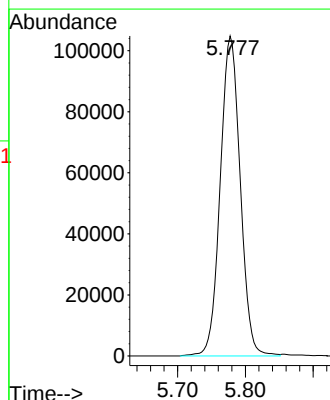
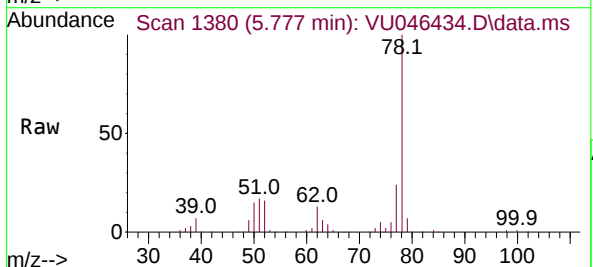
Instrument :
MSVOA_U
ClientSampleId :

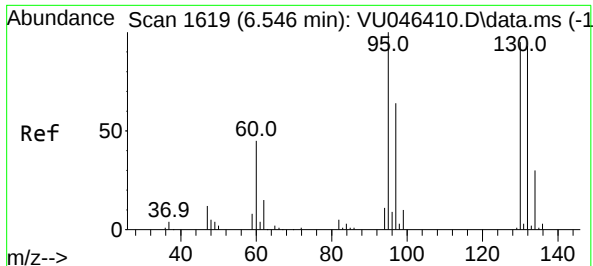
Tgt Ion:117 Resp: 78164
Ion Ratio Lower Upper
117 100
119 96.1 75.7 113.5



#33
Benzene
Concen: 48.010 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.003 min
Lab File: VU046434.D
Acq: 16 Dec 2021 20:10

Tgt Ion: 78 Resp: 214791

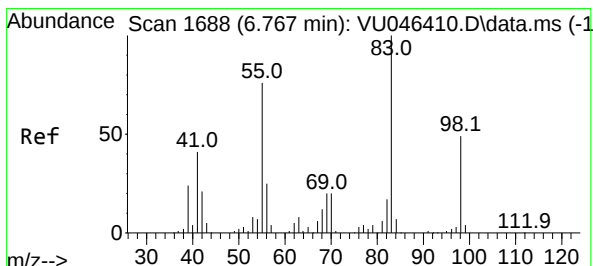
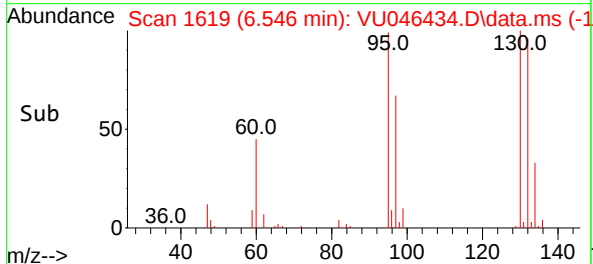
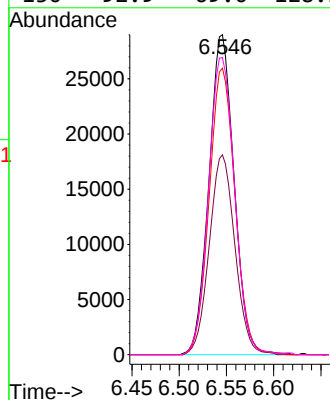
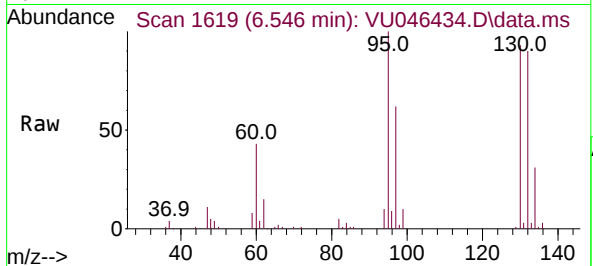




#34
Trichloroethene
Concen: 45.695 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU046434.D
Acq: 16 Dec 2021 20:10

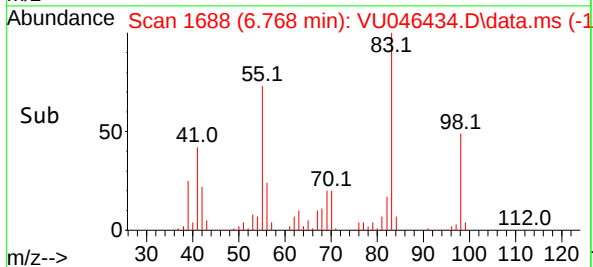
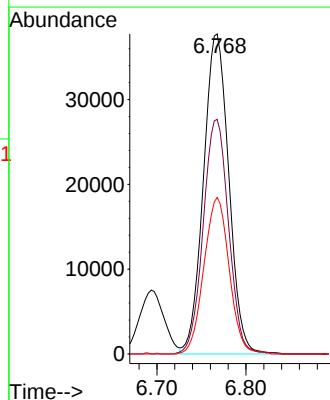
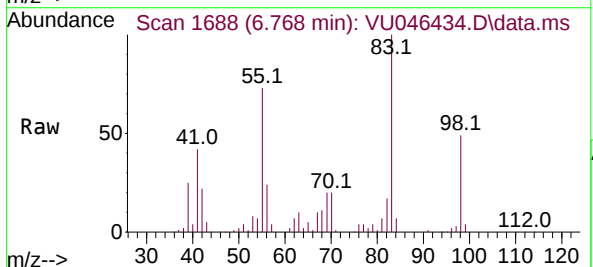
Instrument :
MSVOA_U
ClientSampleId :

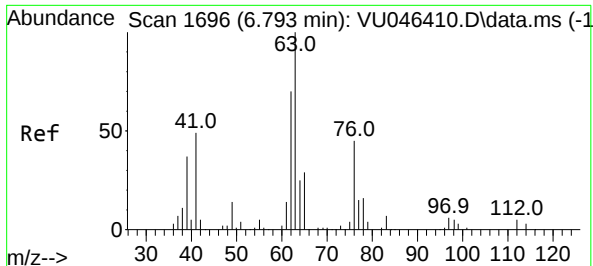
Tgt Ion: 95 Resp: 53857
Ion Ratio Lower Upper
95 100
97 62.5 44.1 81.9
132 89.5 66.8 124.0
130 92.9 69.0 128.1



#35
Methylcyclohexane
Concen: 40.844 ug/L
RT: 6.768 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VU046434.D
Acq: 16 Dec 2021 20:10

Tgt Ion: 83 Resp: 74642
Ion Ratio Lower Upper
83 100
55 73.3 57.8 86.6
98 48.6 38.4 57.6





#37

1,2-Dichloropropane

Concen: 51.759 ug/L

RT: 6.793 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU046434.D

Acq: 16 Dec 2021 20:10

Instrument :

MSVOA_U

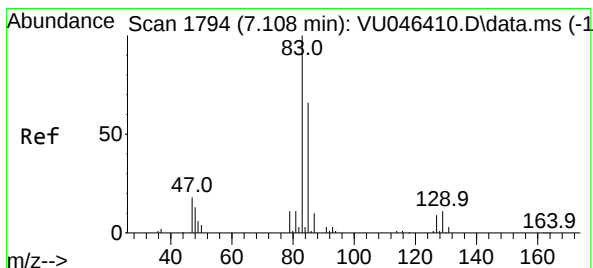
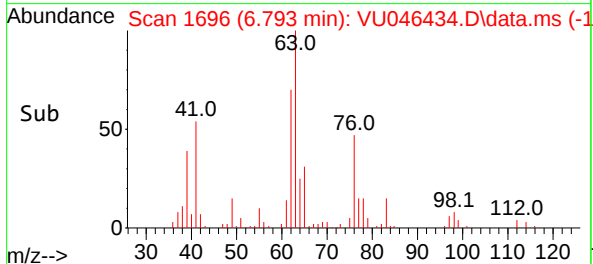
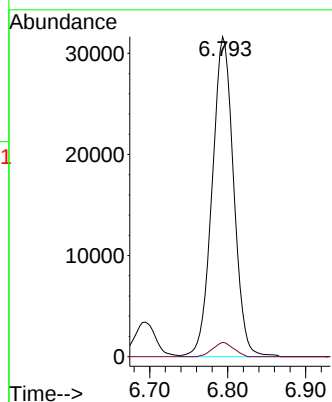
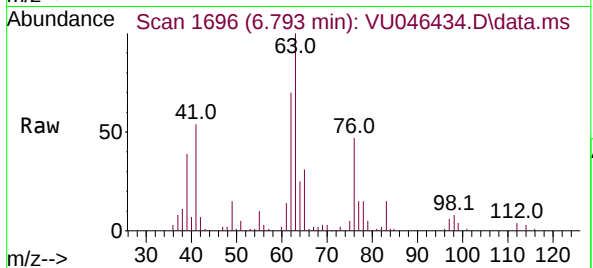
ClientSampleId :

Tgt Ion: 63 Resp: 60660

Ion Ratio Lower Upper

63 100

112 4.3 3.8 5.6



#38

Bromodichloromethane

Concen: 54.177 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VU046434.D

Acq: 16 Dec 2021 20:10

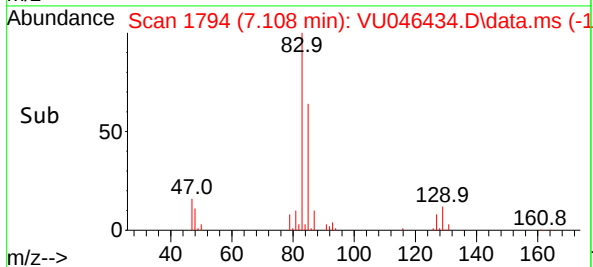
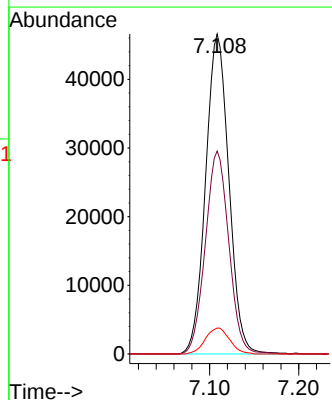
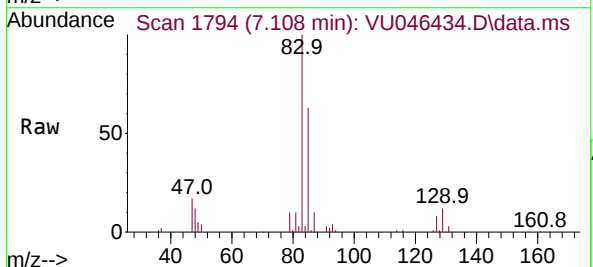
Tgt Ion: 83 Resp: 84394

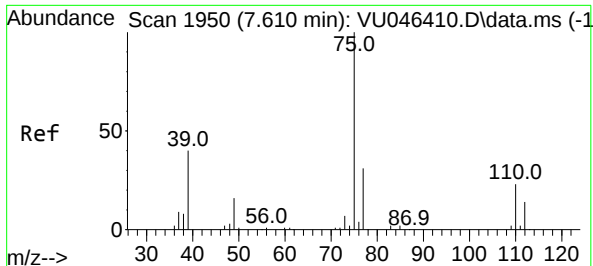
Ion Ratio Lower Upper

83 100

85 63.4 44.4 82.5

127 8.1 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 50.767 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VU046434.D

Acq: 16 Dec 2021 20:10

Instrument :

MSVOA_U

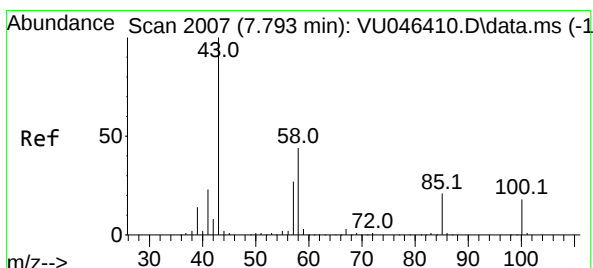
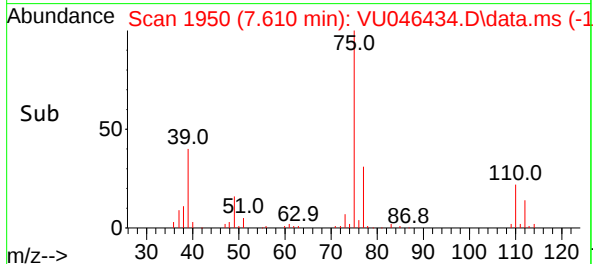
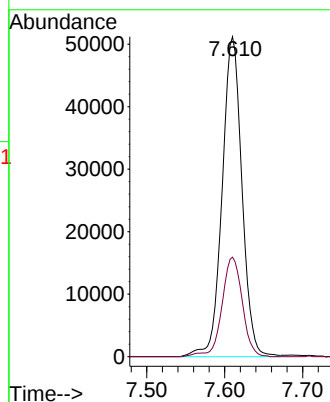
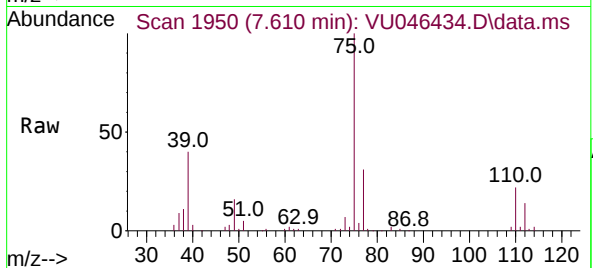
ClientSampleId :

Tgt Ion: 75 Resp: 90512

Ion Ratio Lower Upper

75 100

77 31.1 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 101.722 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.000 min

Lab File: VU046434.D

Acq: 16 Dec 2021 20:10

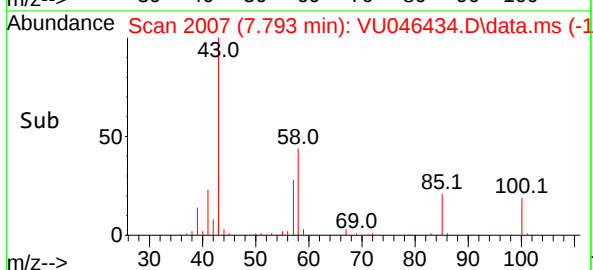
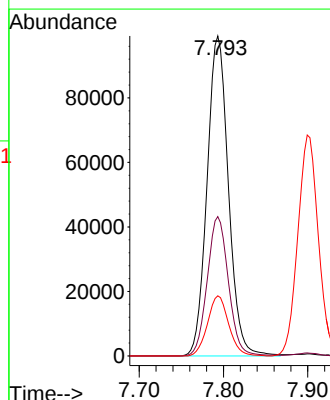
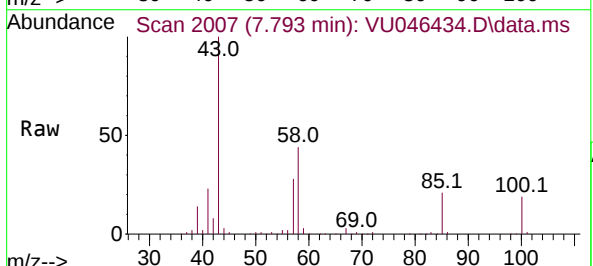
Tgt Ion: 43 Resp: 175156

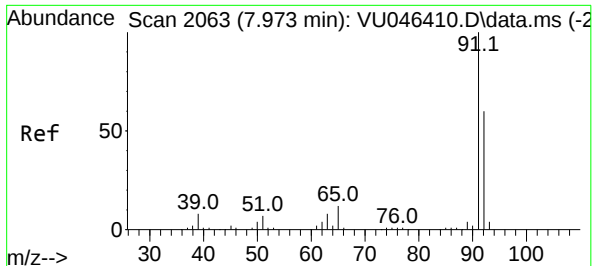
Ion Ratio Lower Upper

43 100

58 43.1 34.2 51.4

100 18.6 14.5 21.7





#42

Toluene

Concen: 48.583 ug/L

RT: 7.970 min Scan# 2063

Delta R.T. -0.003 min

Lab File: VU046434.D

Acq: 16 Dec 2021 20:10

Instrument :

MSVOA_U

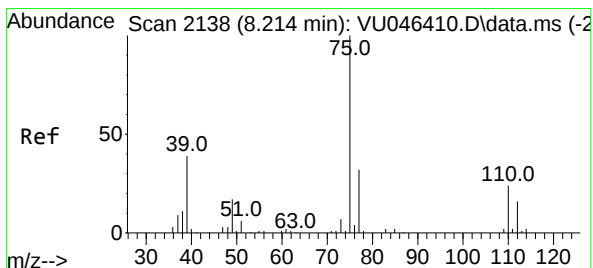
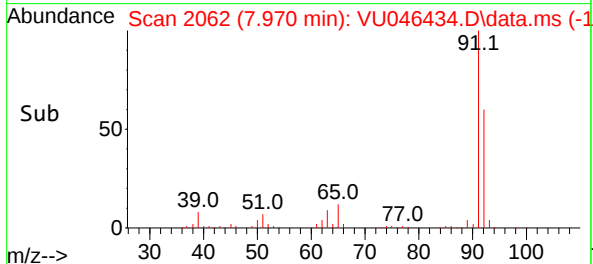
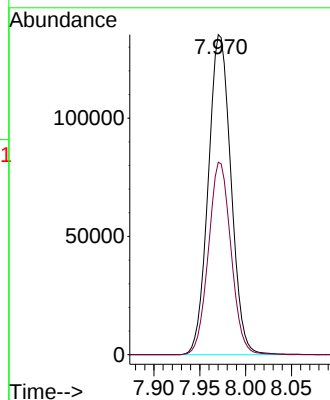
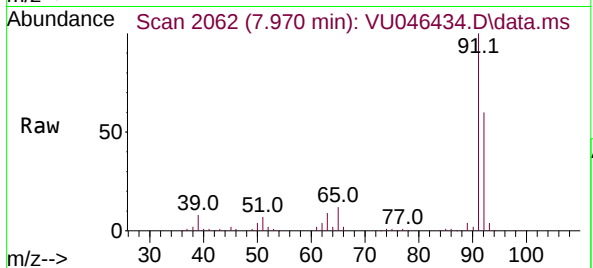
ClientSampleId :

Tgt Ion: 91 Resp: 233225

Ion Ratio Lower Upper

91 100

92 60.1 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 50.835 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.003 min

Lab File: VU046434.D

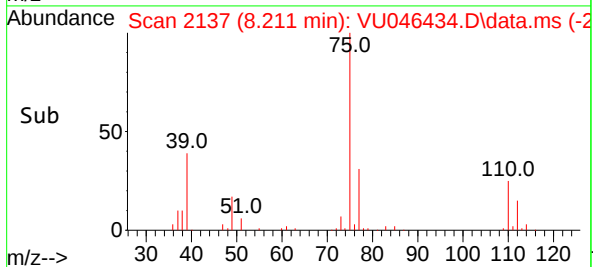
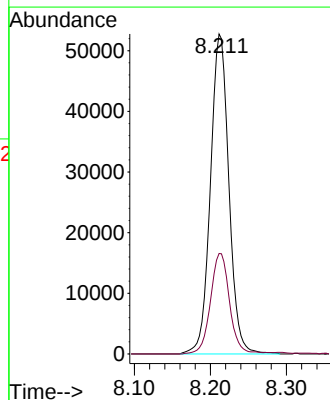
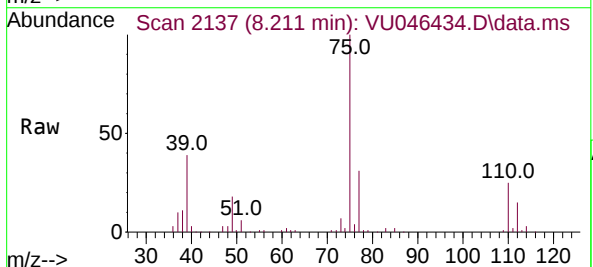
Acq: 16 Dec 2021 20:10

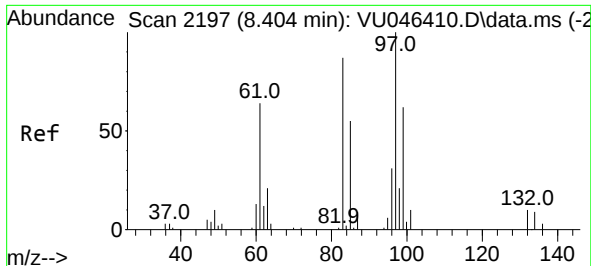
Tgt Ion: 75 Resp: 89017

Ion Ratio Lower Upper

75 100

77 31.4 21.7 40.3



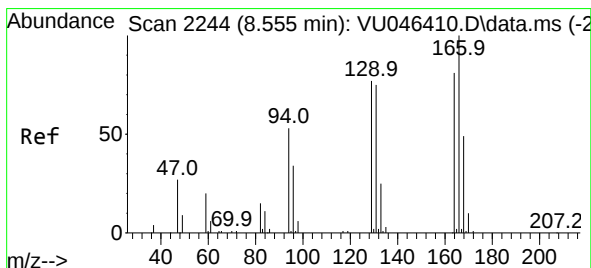
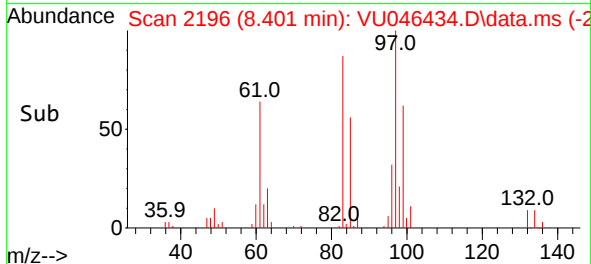
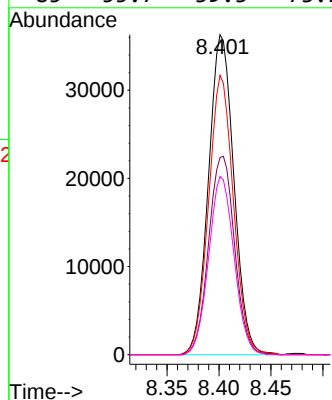
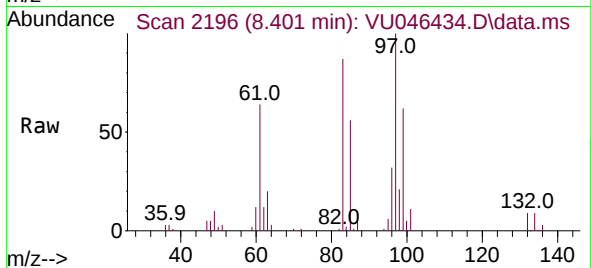


#45
1,1,2-Trichloroethane
Concen: 52.508 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.003 min
Lab File: VU046434.D
Acq: 16 Dec 2021 20:10

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 61738

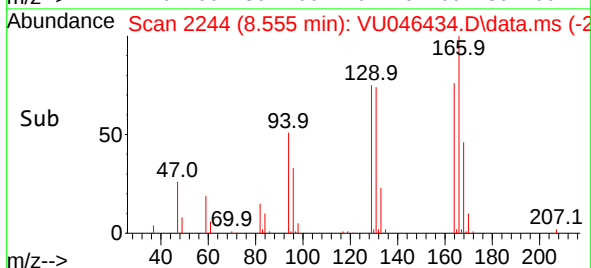
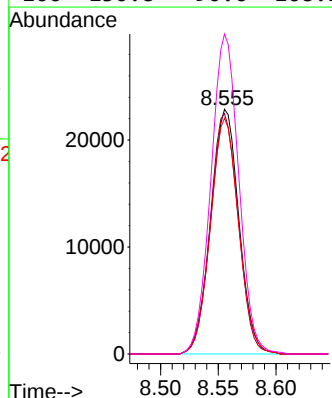
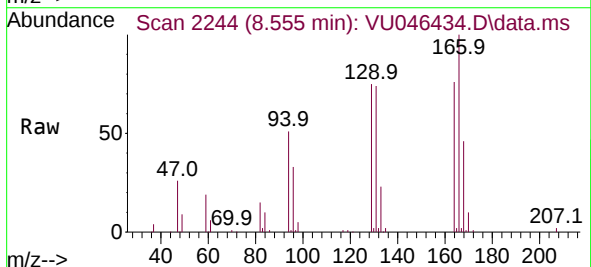
Ion	Ratio	Lower	Upper
97	100		
99	61.6	44.7	82.9
83	87.3	60.2	111.8
85	55.7	39.3	73.1

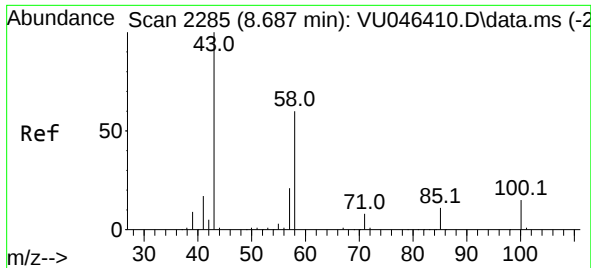


#46
Tetrachloroethene
Concen: 44.689 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU046434.D
Acq: 16 Dec 2021 20:10

Tgt Ion: 164 Resp: 38707

Ion	Ratio	Lower	Upper
164	100		
129	98.2	71.1	132.1
131	96.4	67.8	126.0
166	130.8	90.6	168.2

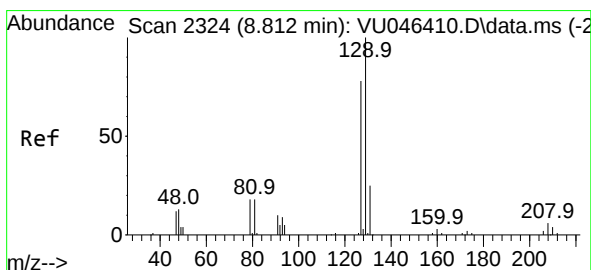
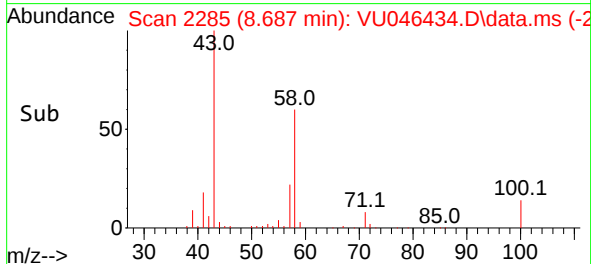
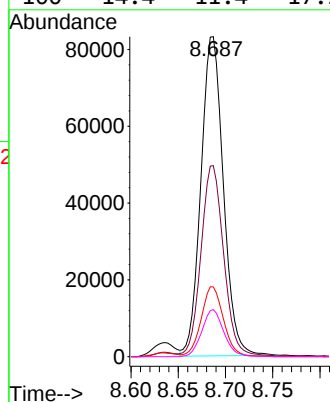
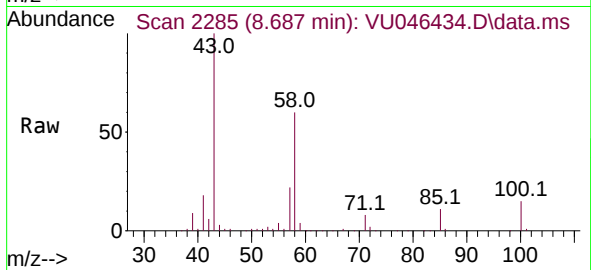




#48
2-Hexanone
Concen: 89.428 ug/L
RT: 8.687 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU046434.D
Acq: 16 Dec 2021 20:10

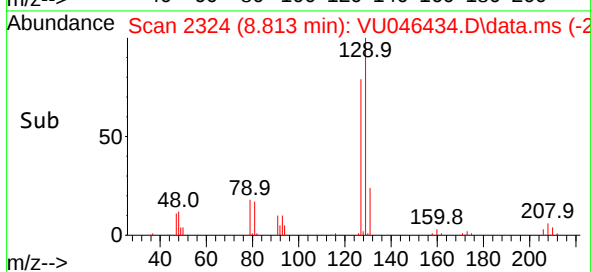
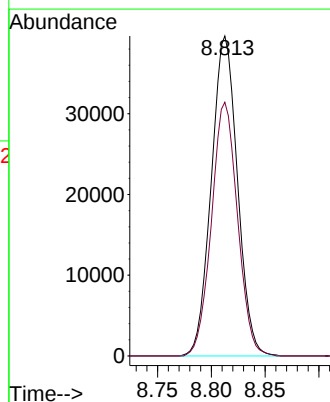
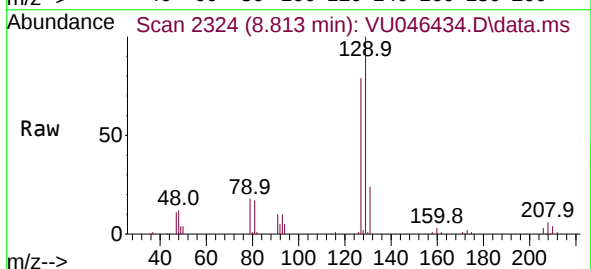
Instrument :
MSVOA_U
ClientSampleId :

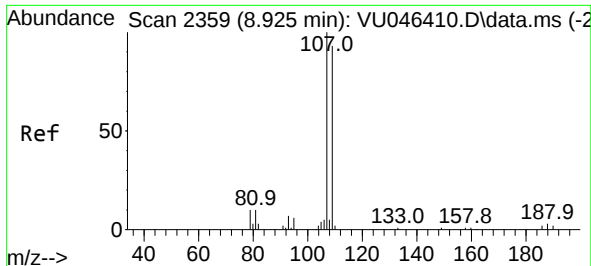
Tgt Ion: 43	Resp: 137713
Ion Ratio	Lower Upper
43 100	
58 60.1	47.4 71.2
57 21.4	16.6 25.0
100 14.4	11.4 17.2



#49
Dibromochloromethane
Concen: 54.350 ug/L
RT: 8.813 min Scan# 2324
Delta R.T. 0.000 min
Lab File: VU046434.D
Acq: 16 Dec 2021 20:10

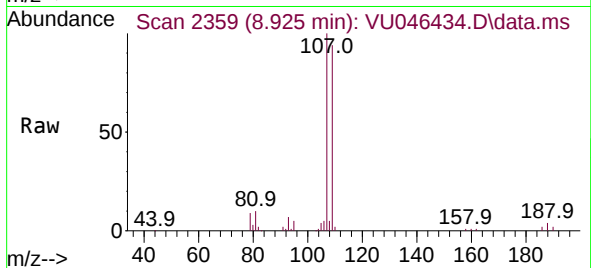
Tgt Ion:129	Resp: 67106		
Ion Ratio	Lower	Upper	
129 100			
127 79.3	55.6	103.4	



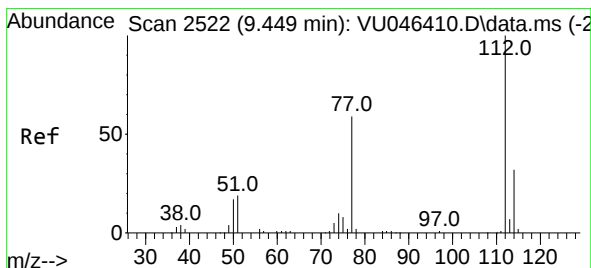
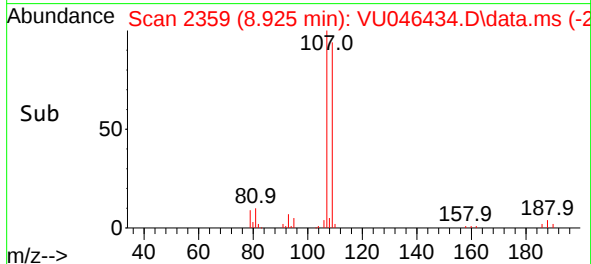
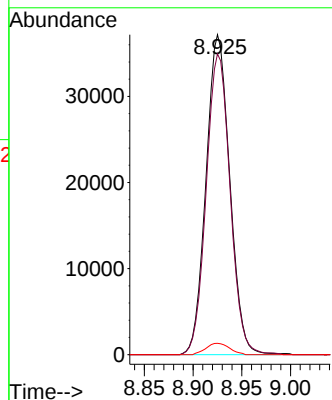


#50
1,2-Dibromoethane
Concen: 49.442 ug/L
RT: 8.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU046434.D
Acq: 16 Dec 2021 20:10

Instrument :
MSVOA_U
ClientSampleId :

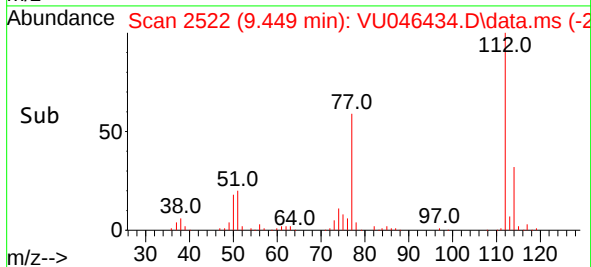
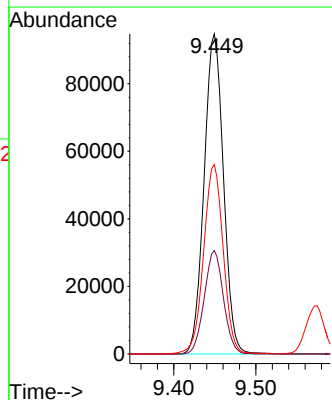
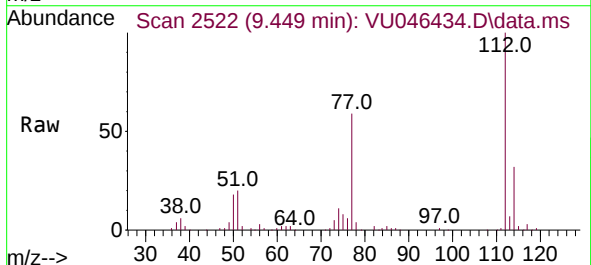


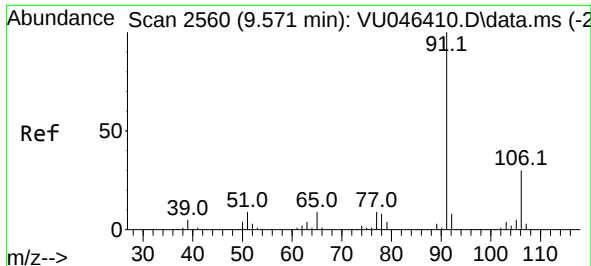
Tgt Ion:107 Resp: 63026
Ion Ratio Lower Upper
107 100
109 94.0 64.9 120.5
188 3.5 2.6 3.8



#51
Chlorobenzene
Concen: 50.223 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VU046434.D
Acq: 16 Dec 2021 20:10

Tgt Ion:112 Resp: 155980
Ion Ratio Lower Upper
112 100
114 32.3 22.2 41.2
77 59.2 47.4 71.0

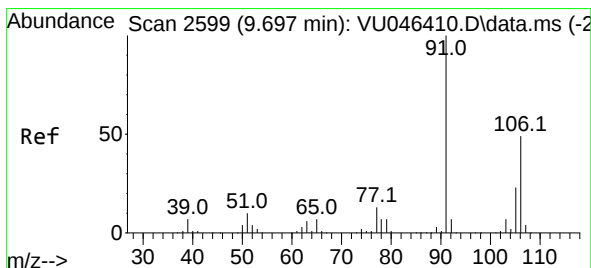
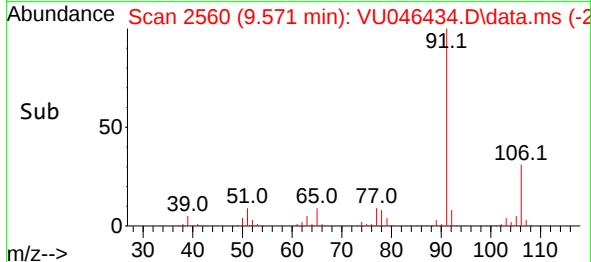
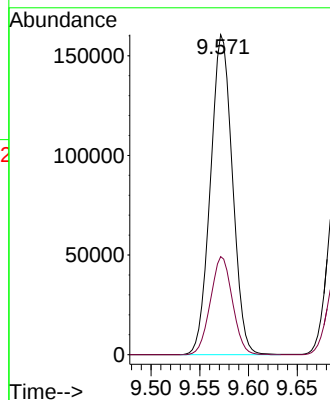
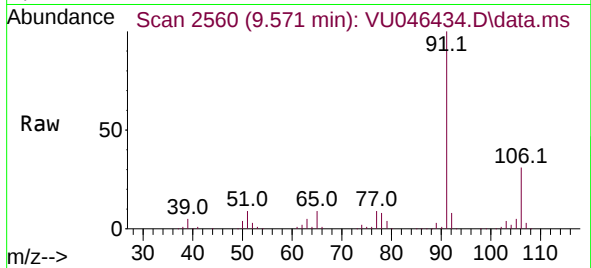




#52
Ethylbenzene
Concen: 48.777 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU046434.D
Acq: 16 Dec 2021 20:10

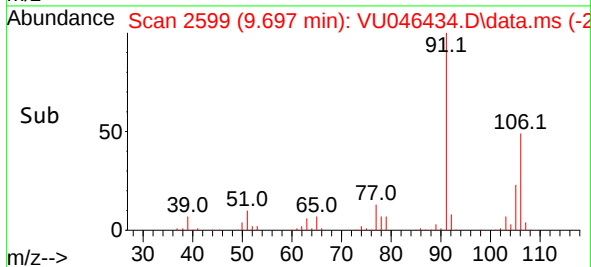
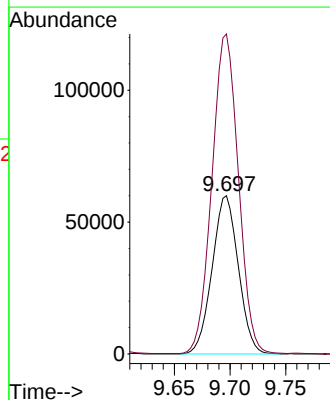
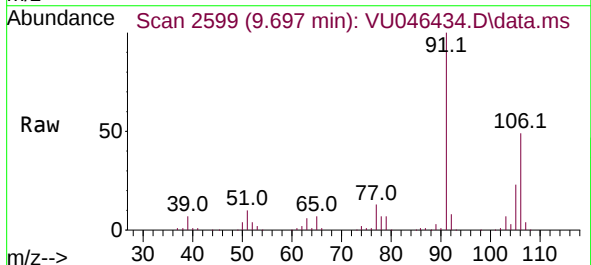
Instrument :
MSVOA_U
ClientSampleId :

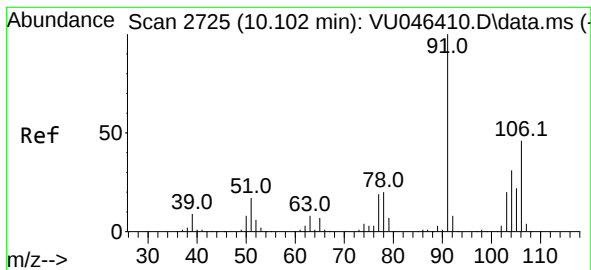
Tgt Ion: 91 Resp: 252007
Ion Ratio Lower Upper
91 100
106 30.6 21.1 39.3



#53
m,p-Xylene
Concen: 48.680 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.000 min
Lab File: VU046434.D
Acq: 16 Dec 2021 20:10

Tgt Ion: 106 Resp: 98083
Ion Ratio Lower Upper
106 100
91 202.1 144.3 268.1





#54

o-xylene

Concen: 49.564 ug/L

RT: 10.102 min Scan# 2725

Delta R.T. 0.000 min

Lab File: VU046434.D

Acq: 16 Dec 2021 20:10

Instrument :

MSVOA_U

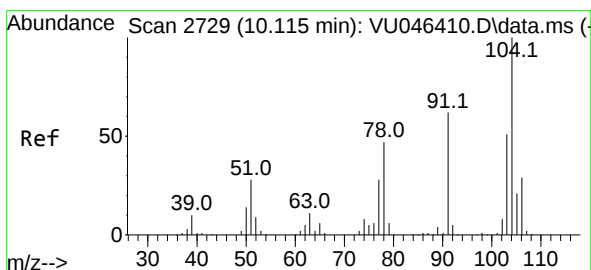
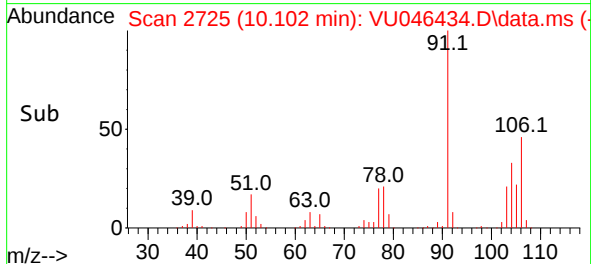
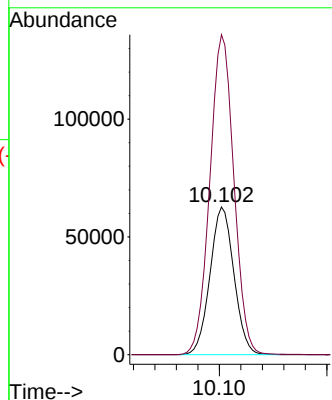
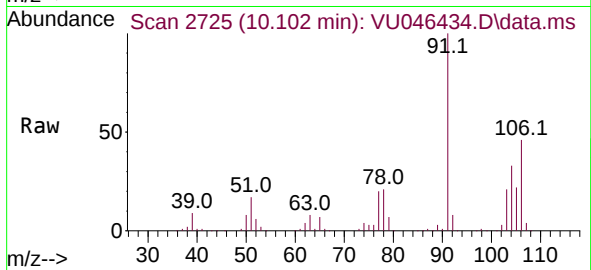
ClientSampleId :

Tgt Ion:106 Resp: 96902

Ion Ratio Lower Upper

106 100

91 216.7 154.2 286.4



#55

Styrene

Concen: 51.846 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. 0.000 min

Lab File: VU046434.D

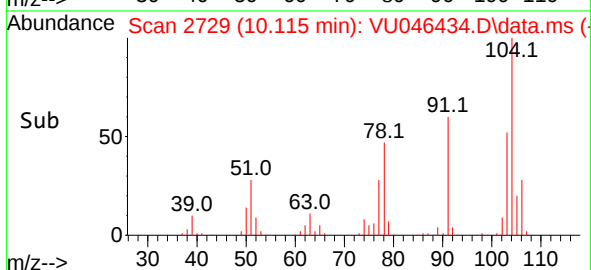
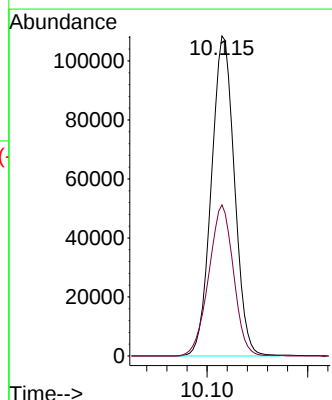
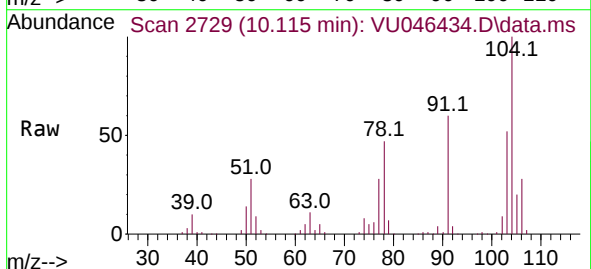
Acq: 16 Dec 2021 20:10

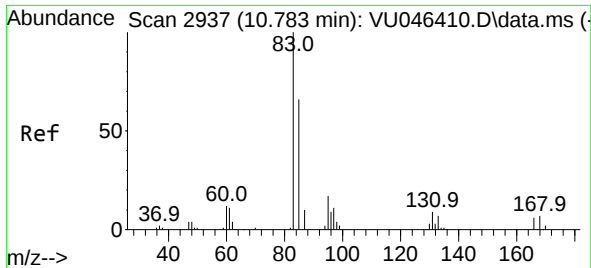
Tgt Ion:104 Resp: 173054

Ion Ratio Lower Upper

104 100

78 47.2 32.6 60.5

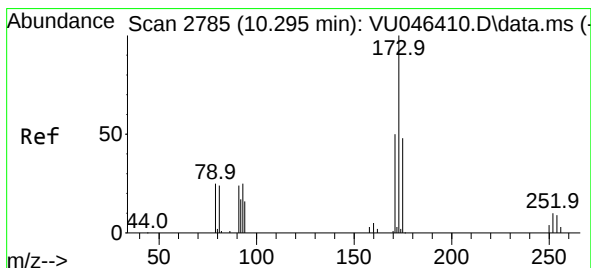
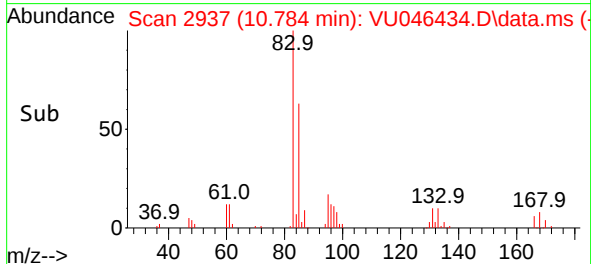
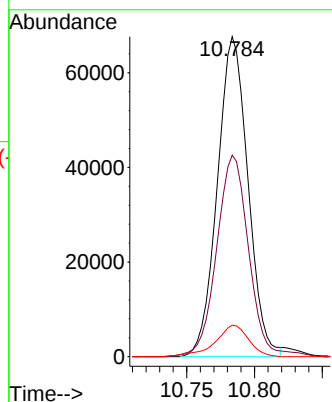
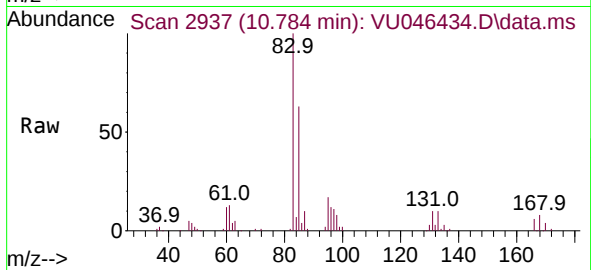




#57
1,1,2,2-Tetrachloroethane
Concen: 52.680 ug/L
RT: 10.784 min Scan# 2937
Delta R.T. 0.000 min
Lab File: VU046434.D
Acq: 16 Dec 2021 20:10

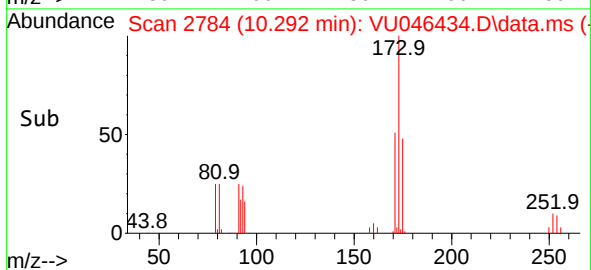
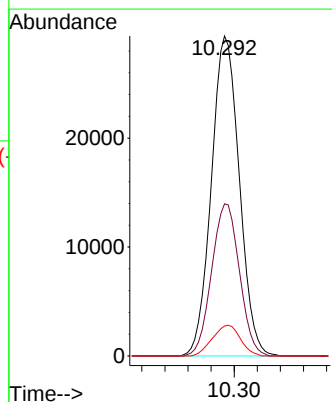
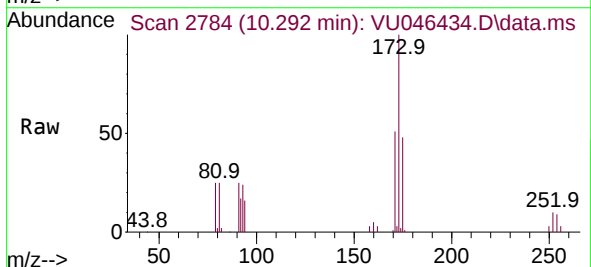
Instrument :
MSVOA_U
ClientSampleId :

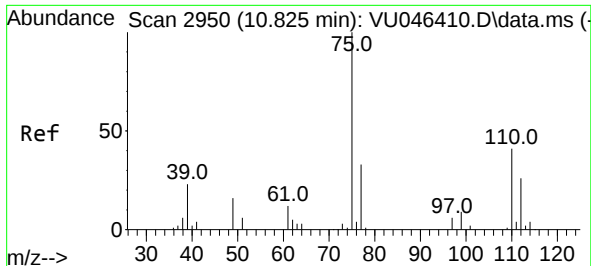
Tgt Ion: 83 Resp: 106194
Ion Ratio Lower Upper
83 100
85 63.0 45.6 84.6
131 9.9 7.8 11.6



#59
Bromoform
Concen: 50.678 ug/L
RT: 10.292 min Scan# 2784
Delta R.T. -0.003 min
Lab File: VU046434.D
Acq: 16 Dec 2021 20:10

Tgt Ion:173 Resp: 49330
Ion Ratio Lower Upper
173 100
175 47.2 39.2 58.8
254 9.6 7.4 11.2

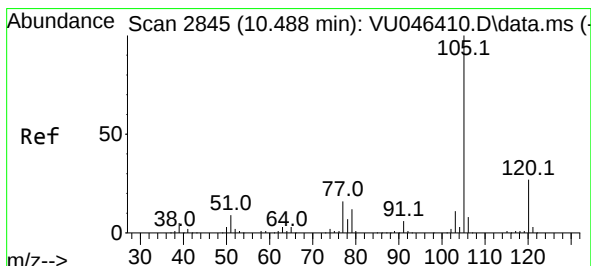
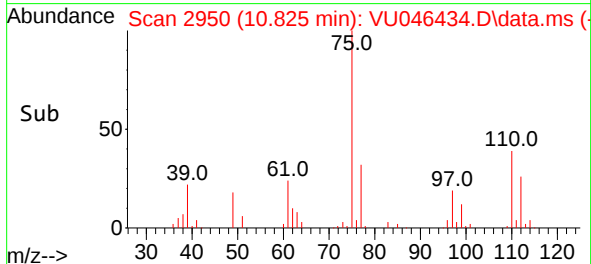
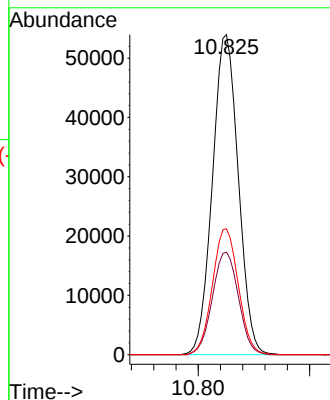
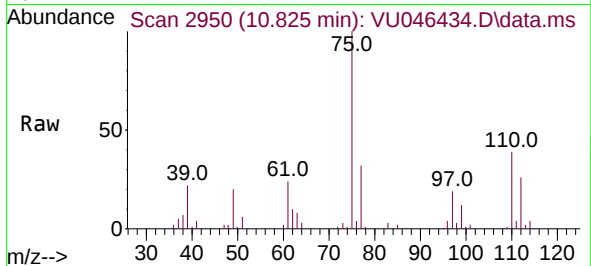




#60
 1,2,3-Trichloropropane
 Concen: 47.820 ug/L
 RT: 10.825 min Scan# 2950
 Delta R.T. 0.000 min
 Lab File: VU046434.D
 Acq: 16 Dec 2021 20:10

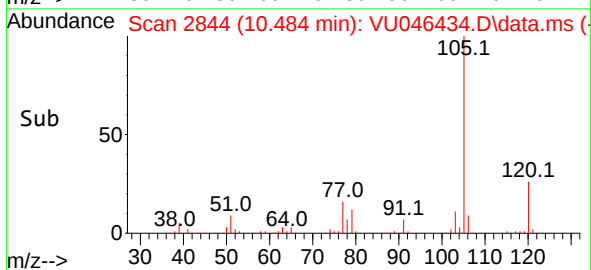
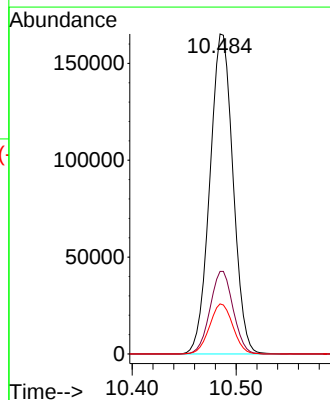
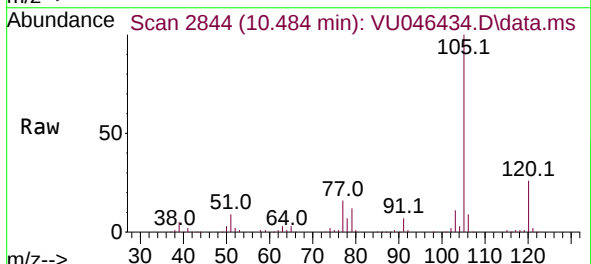
Instrument :
 MSVOA_U
 ClientSampleId :

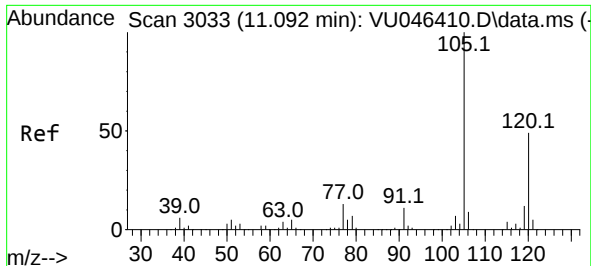
Tgt Ion: 75	Resp: 86981
Ion Ratio	Lower Upper
75 100	
77 32.3	26.4 39.6
110 39.4	32.4 48.6



#61
 Isopropylbenzene
 Concen: 47.346 ug/L
 RT: 10.484 min Scan# 2844
 Delta R.T. -0.003 min
 Lab File: VU046434.D
 Acq: 16 Dec 2021 20:10

Tgt Ion: 105	Resp: 255611
Ion Ratio	Lower Upper
105 100	
120 25.7	20.7 31.1
77 15.8	12.2 18.4





#62

1,3,5-Trimethylbenzene

Concen: 48.749 ug/L

RT: 11.089 min Scan# 3033

Delta R.T. -0.003 min

Lab File: VU046434.D

Acq: 16 Dec 2021 20:10

Instrument :

MSVOA_U

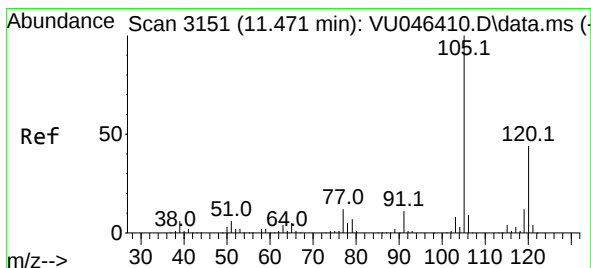
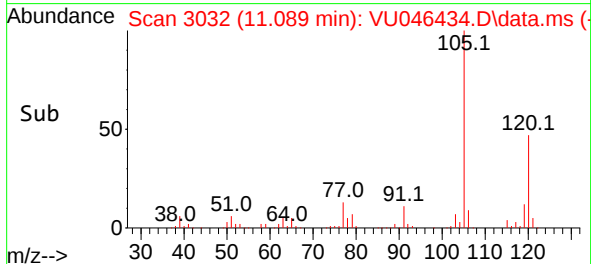
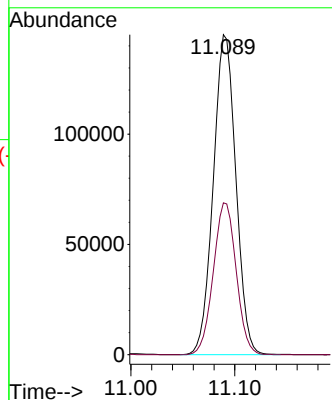
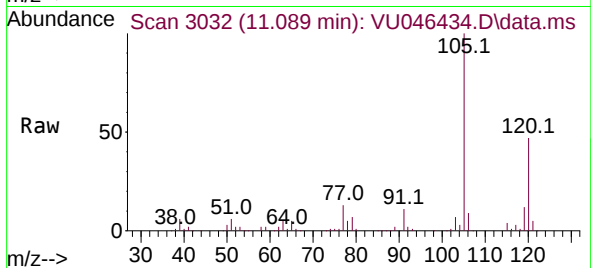
ClientSampleId :

Tgt Ion:105 Resp: 219367

Ion Ratio Lower Upper

105 100

120 48.0 37.8 56.6



#63

1,2,4-Trimethylbenzene

Concen: 49.526 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.003 min

Lab File: VU046434.D

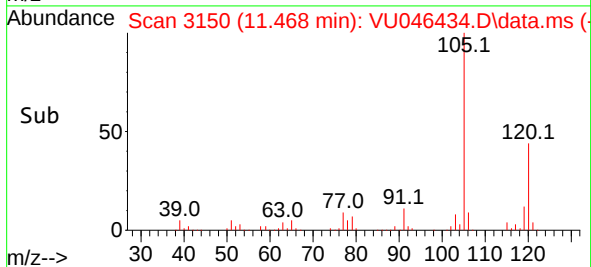
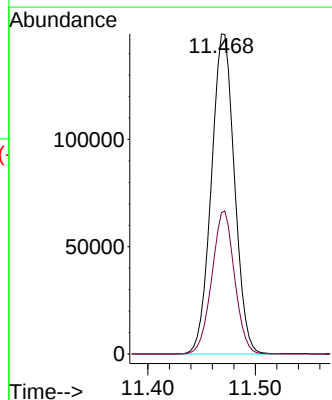
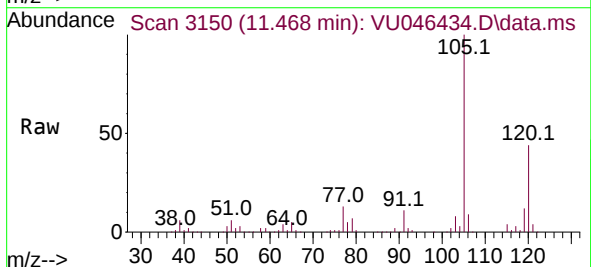
Acq: 16 Dec 2021 20:10

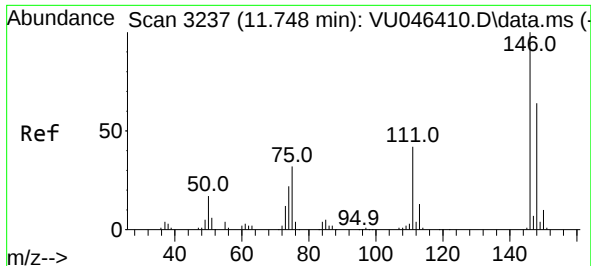
Tgt Ion:105 Resp: 222970

Ion Ratio Lower Upper

105 100

120 43.9 35.2 52.8

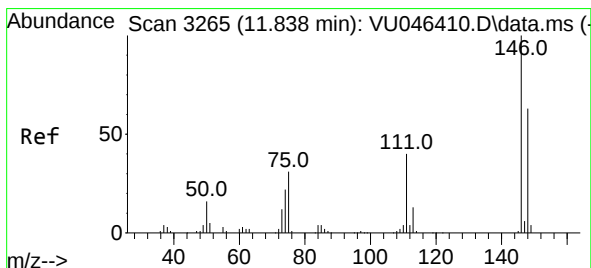
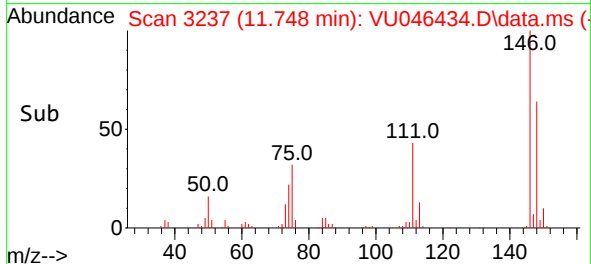
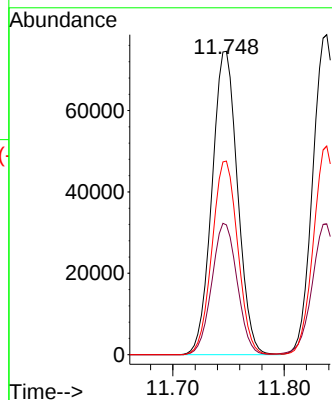
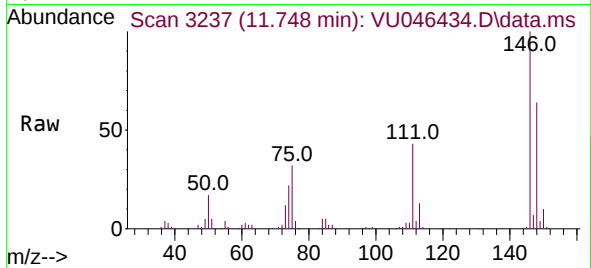




#64
1,3-Dichlorobenzene
Concen: 46.468 ug/L
RT: 11.748 min Scan# 3237
Delta R.T. 0.000 min
Lab File: VU046434.D
Acq: 16 Dec 2021 20:10

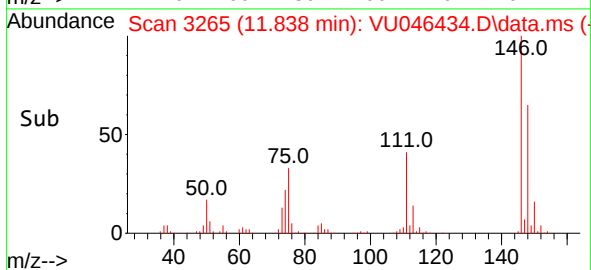
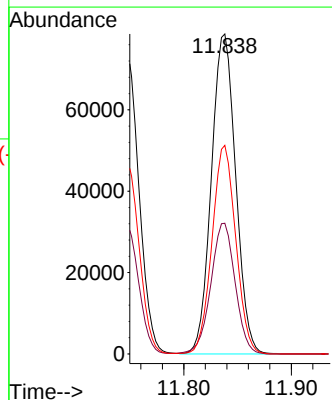
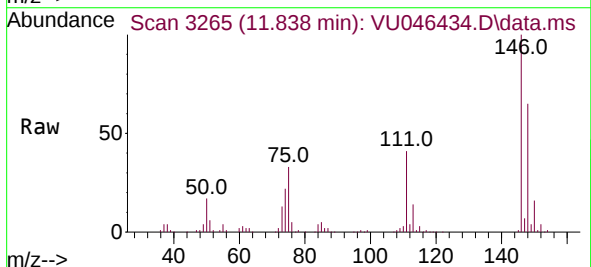
Instrument :
MSVOA_U
ClientSampleId :

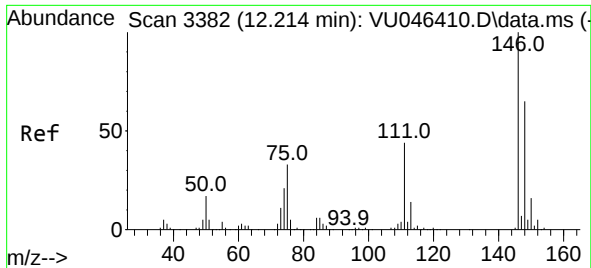
Tgt Ion:146 Resp: 119166
Ion Ratio Lower Upper
146 100
111 42.8 29.5 54.9
148 63.8 45.9 85.3



#65
1,4-Dichlorobenzene
Concen: 46.707 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.000 min
Lab File: VU046434.D
Acq: 16 Dec 2021 20:10

Tgt Ion:146 Resp: 123791
Ion Ratio Lower Upper
146 100
111 40.9 28.3 52.7
148 65.2 43.8 81.3





#67

1,2-Dichlorobenzene

Concen: 48.071 ug/L

RT: 12.214 min Scan# 3382

Delta R.T. 0.000 min

Lab File: VU046434.D

Acq: 16 Dec 2021 20:10

Instrument :

MSVOA_U

ClientSampleId :

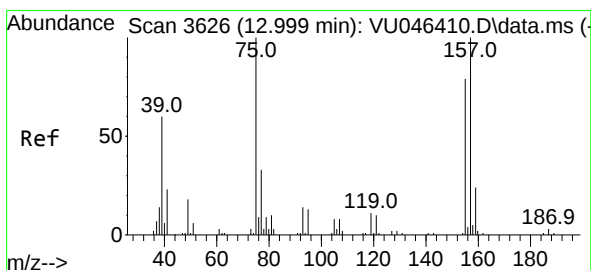
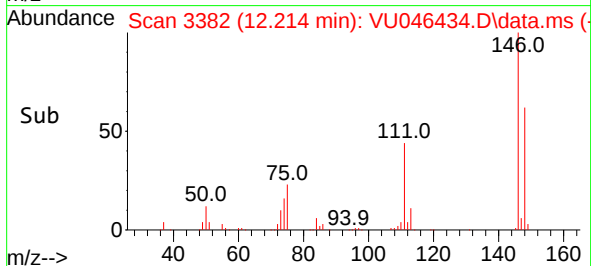
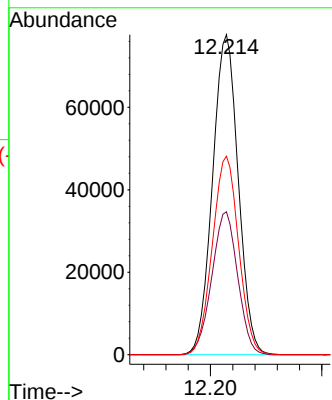
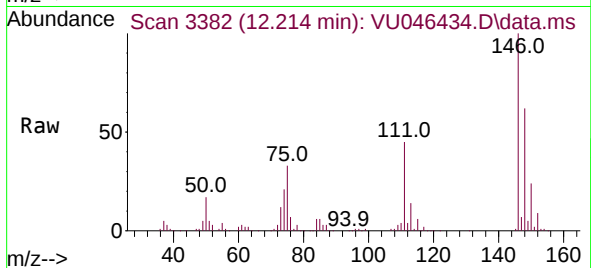
Tgt Ion:146 Resp: 124144

Ion Ratio Lower Upper

146 100

111 44.7 35.7 53.5

148 62.0 51.2 76.8



#68

1,2-Dibromo-3-chloropropane

Concen: 54.485 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. 0.000 min

Lab File: VU046434.D

Acq: 16 Dec 2021 20:10

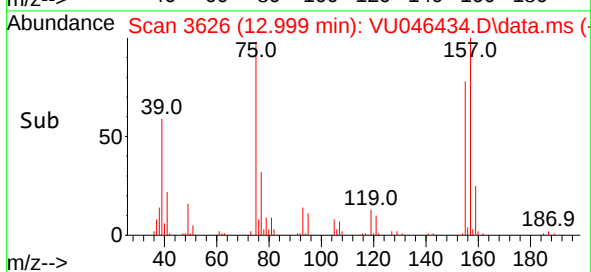
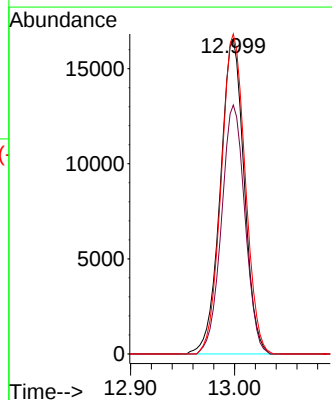
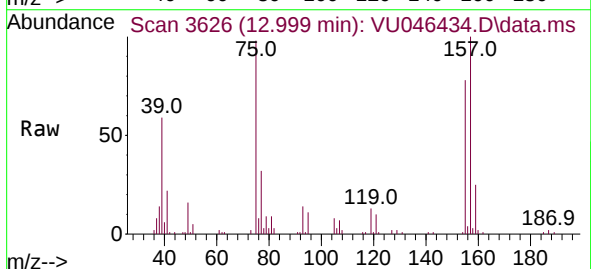
Tgt Ion: 75 Resp: 26401

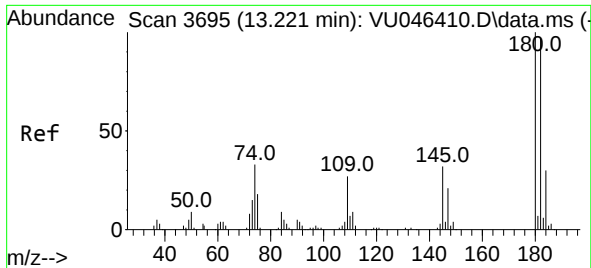
Ion Ratio Lower Upper

75 100

155 79.1 64.9 97.3

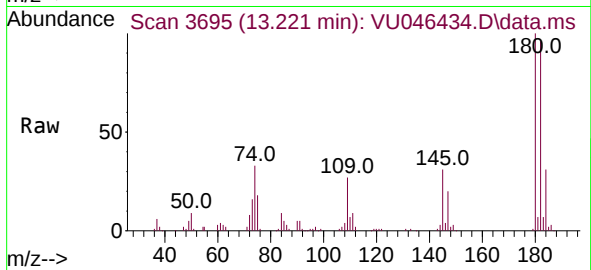
157 101.6 81.9 122.9



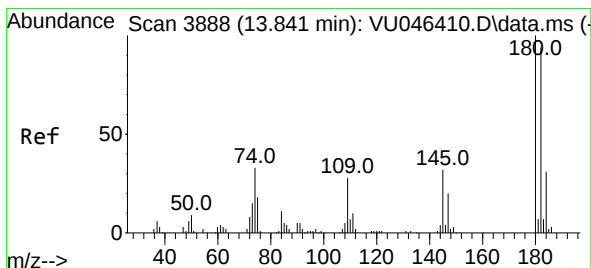
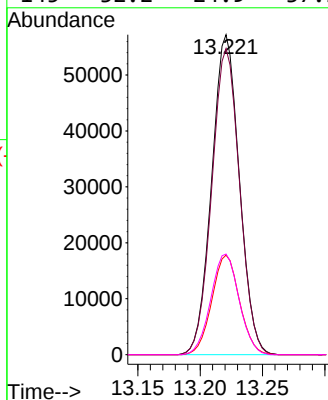
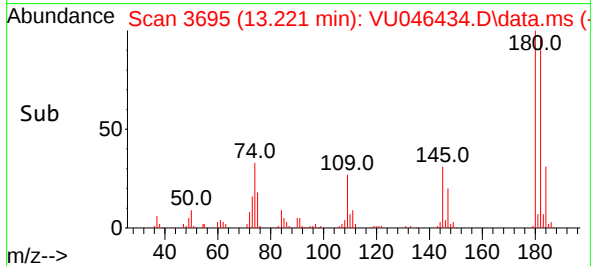


#69
 1,3,5-Trichlorobenzene
 Concen: 47.274 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.000 min
 Lab File: VU046434.D
 Acq: 16 Dec 2021 20:10

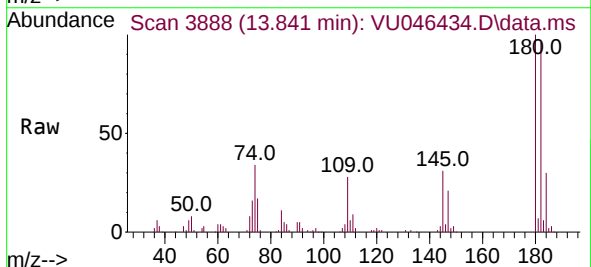
Instrument :
 MSVOA_U
 ClientSampleId :



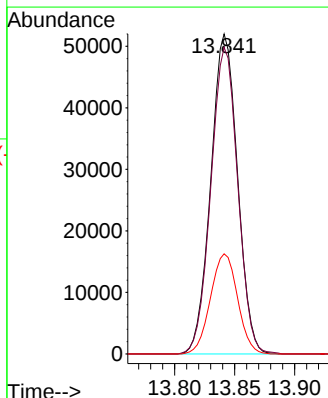
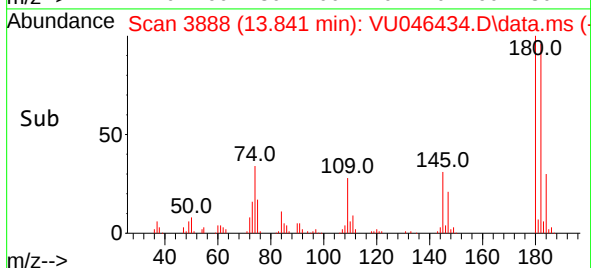
Tgt Ion:180 Resp: 88334
 Ion Ratio Lower Upper
 180 100
 182 96.1 75.9 113.9
 184 31.1 24.2 36.4
 145 32.2 24.9 37.3

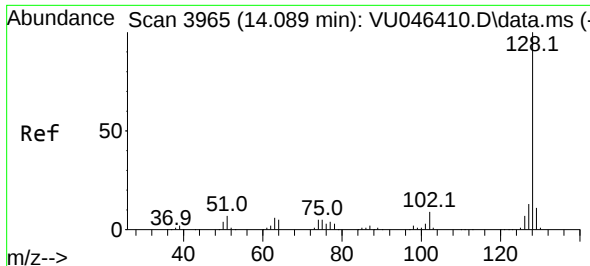


#70
 1,2,4-trichlorobenzene
 Concen: 48.561 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU046434.D
 Acq: 16 Dec 2021 20:10



Tgt Ion:180 Resp: 80521
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.7 115.1
 145 31.7 26.0 39.0

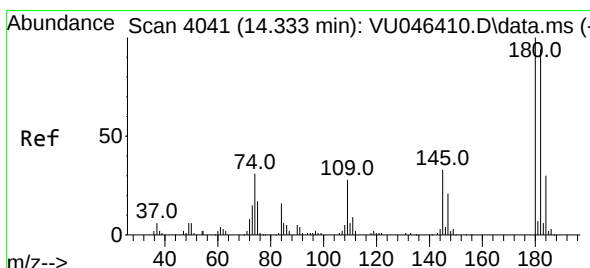
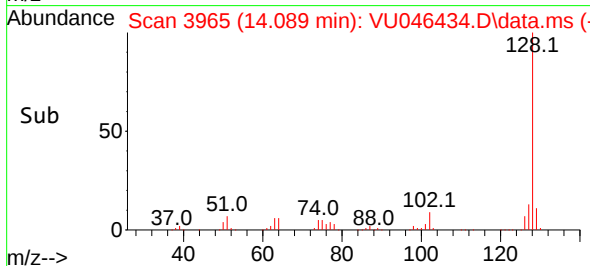
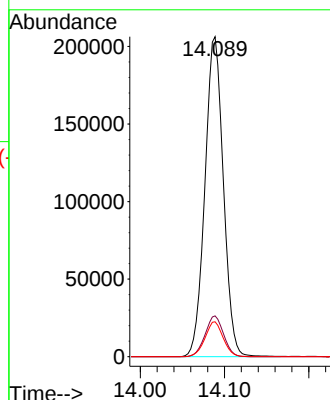
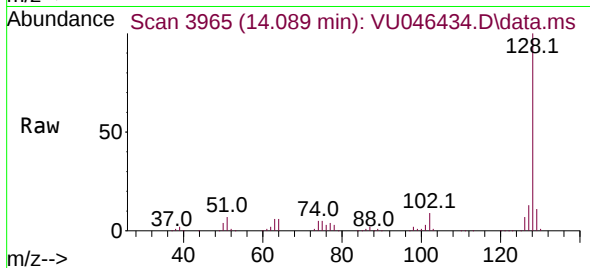




#71
Naphthalene
Concen: 54.526 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. 0.000 min
Lab File: VU046434.D
Acq: 16 Dec 2021 20:10

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 314618
Ion Ratio Lower Upper
128 100
127 12.7 10.1 15.1
129 10.8 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 52.395 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.003 min
Lab File: VU046434.D
Acq: 16 Dec 2021 20:10

Tgt Ion:180 Resp: 88595
Ion Ratio Lower Upper
180 100
182 96.1 76.0 114.0
145 34.5 27.3 40.9

