

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121021\
 Data File : VU046257.D
 Acq On : 10 Dec 2021 11:21
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 10 22:23:22 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	151666	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	164028	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	93818	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	62890	50.338	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 100.680%	
7) Chloroethane-d5	1.919	69	48393	50.449	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 100.900%	
11) 1,1-Dichloroethene-d2	2.575	63	109315	48.740	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 97.480%	
21) 2-Butanone-d5	4.642	46	103433	104.144	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 104.140%	
24) Chloroform-d	5.070	84	112478	53.912	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 107.820%	
26) 1,2-Dichloroethane-d4	5.706	65	75692	54.059	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 108.120%	
32) Benzene-d6	5.732	84	228477	48.598	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 97.200%	
36) 1,2-Dichloropropane-d6	6.694	67	71586	49.132	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 98.260%	
41) Toluene-d8	7.902	98	208834	48.787	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 97.580%	
43) trans-1,3-Dichloroprop...	8.182	79	35717	50.781	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 101.560%	
47) 2-Hexanone-d5	8.636	63	72742	105.297	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 105.300%	
56) 1,1,2,2-Tetrachloroeth...	10.758	84	118182	53.485	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 106.960%	
66) 1,2-Dichlorobenzene-d4	12.195	152	84604	46.826	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 93.660%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.388	85	75585	45.807	ug/L	99
3) Chloromethane	1.523	50	64246	43.530	ug/L	100
5) Vinyl chloride	1.607	62	69581	46.757	ug/L	100
6) Bromomethane	1.864	94	41842	49.607	ug/L	99
8) Chloroethane	1.941	64	42241	49.024	ug/L	98
9) Trichlorofluoromethane	2.144	101	100251	51.599	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	59382	53.808	ug/L	97
12) 1,1-Dichloroethene	2.588	96	52428	49.994	ug/L	93
13) Acetone	2.658	43	102187	82.326	ug/L	96
14) Carbon disulfide	2.800	76	140158	43.078	ug/L	100
15) Methyl Acetate	2.961	43	72638	50.200	ug/L	96
16) Methylene chloride	3.054	84	65409	52.424	ug/L	99
17) trans-1,2-Dichloroethene	3.359	96	57037	51.395	ug/L	97
18) Methyl tert-butyl Ether	3.369	73	191139	55.886	ug/L	100
19) 1,1-Dichloroethane	3.877	63	110543	54.783	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	66196	54.972	ug/L	99
22) 2-Butanone	4.719	43	124290	91.984	ug/L	96
23) Bromochloromethane	4.980	128	35228	57.924	ug/L	91
25) Chloroform	5.092	83	129126	57.595	ug/L	99

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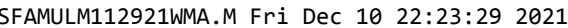
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 ClientSampleId :

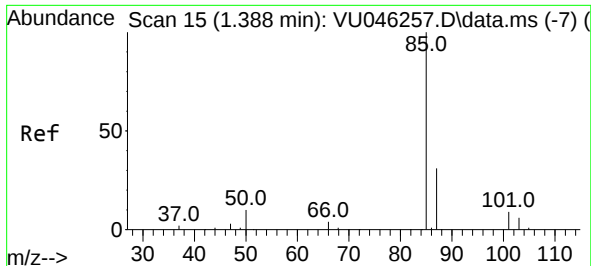
Quant Time: Dec 10 22:23:22 2021
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 Quant Title : VOC Analysis
 QLast Update : Fri Dec 03 05:08:36 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	92988	55.894	ug/L	98
29) Cyclohexane	5.395	56	82281	43.079	ug/L	97
30) 1,1,1-Trichloroethane	5.321	97	102704	51.009	ug/L	99
31) Carbon tetrachloride	5.530	117	89801	52.536	ug/L	99
33) Benzene	5.780	78	249203	50.197	ug/L	100
34) Trichloroethene	6.546	95	65958	50.432	ug/L	97
35) Methylcyclohexane	6.767	83	89245	44.009	ug/L	99
37) 1,2-Dichloropropane	6.796	63	67864	52.184	ug/L	99
38) Bromodichloromethane	7.108	83	96205	55.656	ug/L	97
39) cis-1,3-Dichloropropene	7.610	75	104306	52.722	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	197402	103.312	ug/L	99
42) Toluene	7.973	91	273043	51.256	ug/L	99
44) trans-1,3-Dichloropropene	8.214	75	103847	53.443	ug/L	97
45) 1,1,2-Trichloroethane	8.404	97	70983	54.405	ug/L	98
46) Tetrachloroethene	8.555	164	48551	50.515	ug/L	96
48) 2-Hexanone	8.687	43	168541	98.630	ug/L	99
49) Dibromochloromethane	8.812	129	82477	60.197	ug/L	95
50) 1,2-Dibromoethane	8.928	107	75743	53.546	ug/L	96
51) Chlorobenzene	9.449	112	179218	52.002	ug/L	98
52) Ethylbenzene	9.574	91	296724	51.757	ug/L	100
53) m,p-Xylene	9.697	106	118204	52.869	ug/L	97
54) o-xylene	10.105	106	115147	53.076	ug/L	96
55) Styrene	10.118	104	208314	56.242	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.783	83	121189	54.178	ug/L	100
59) Bromoform	10.295	173	61438	55.823	ug/L	100
60) 1,2,3-Trichloropropane	10.825	75	102711	49.943	ug/L	98
61) Isopropylbenzene	10.488	105	299118	49.002	ug/L	100
62) 1,3,5-Trimethylbenzene	11.092	105	249807	49.098	ug/L	98
63) 1,2,4-Trimethylbenzene	11.471	105	256005	50.292	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	145549	50.197	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	149441	49.869	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	147322	50.454	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.999	75	29619	54.062	ug/L	99
69) 1,3,5-Trichlorobenzene	13.221	180	102181	48.365	ug/L	100
70) 1,2,4-trichlorobenzene	13.841	180	90944	48.508	ug/L	99
71) Naphthalene	14.089	128	353481	54.181	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	99252	51.915	ug/L	100

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

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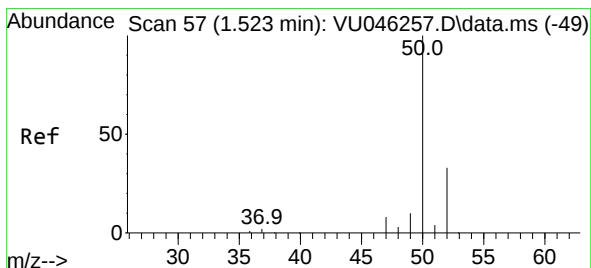
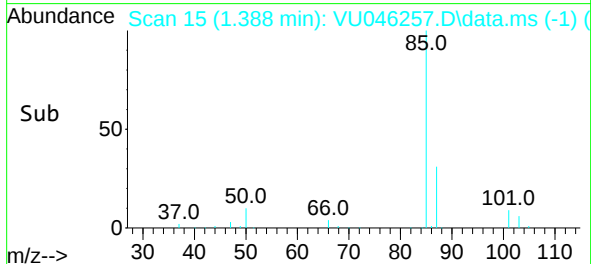
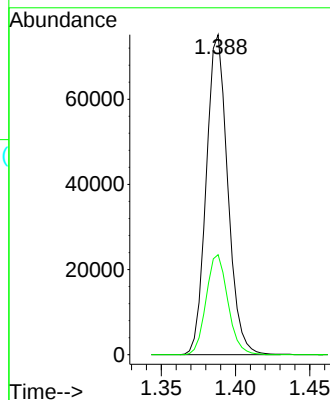
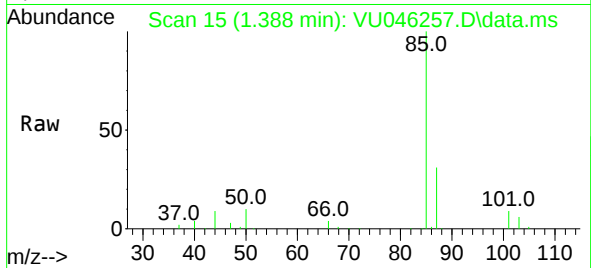




#2
 Dichlorodifluoromethane
 Concen: 45.807 ug/L
 RT: 1.388 min Scan# 15
 Delta R.T. -0.000 min
 Lab File: VU046257.D
 Acq: 10 Dec 2021 11:21

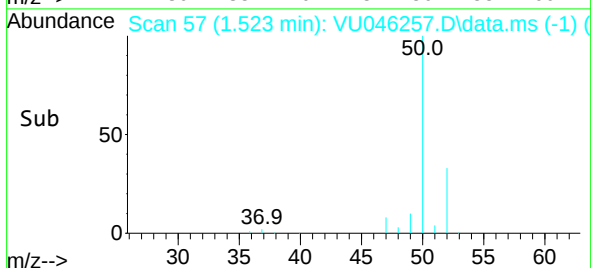
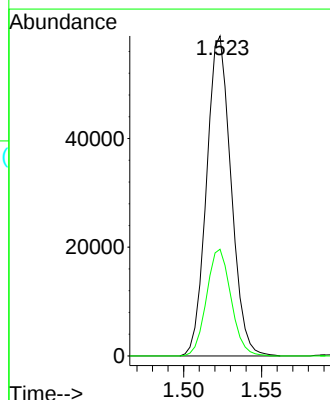
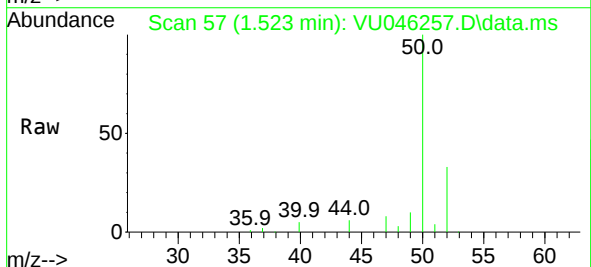
Instrument :
 MSVOA_U
 ClientSampleId :

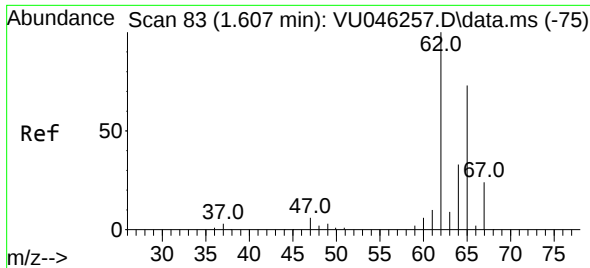
Tgt Ion: 85 Resp: 75585
 Ion Ratio Lower Upper
 85 100
 87 31.6 25.7 38.5



#3
 Chloromethane
 Concen: 43.530 ug/L
 RT: 1.523 min Scan# 57
 Delta R.T. 0.003 min
 Lab File: VU046257.D
 Acq: 10 Dec 2021 11:21

Tgt Ion: 50 Resp: 64246
 Ion Ratio Lower Upper
 50 100
 52 33.3 23.2 43.2

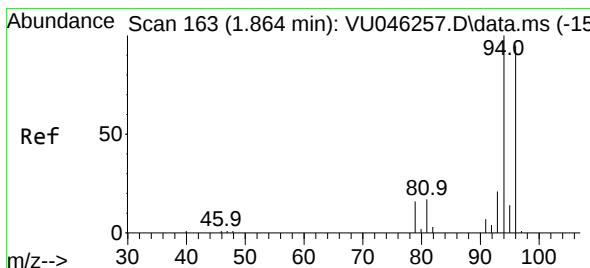
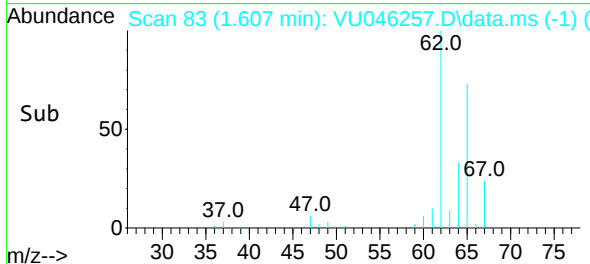
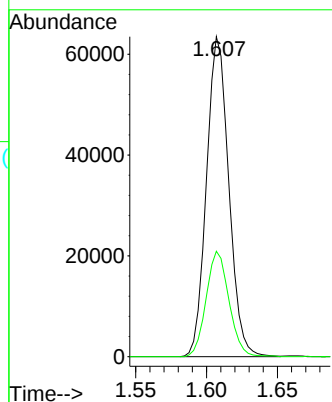
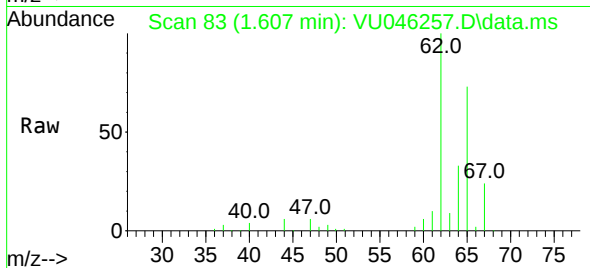




#5
 Vinyl chloride
 Concen: 46.757 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VU046257.D
 Acq: 10 Dec 2021 11:21

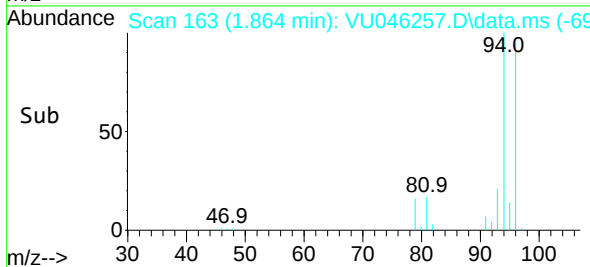
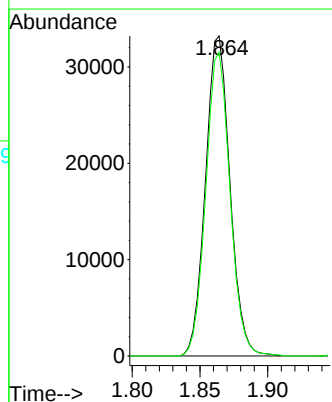
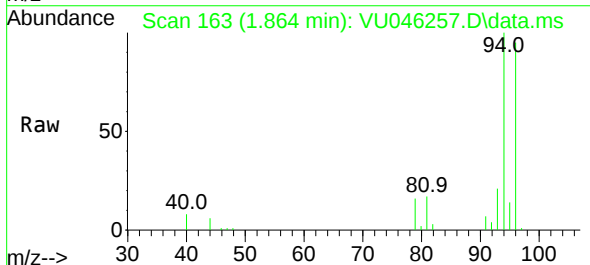
Instrument :
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 ClientSampleId :

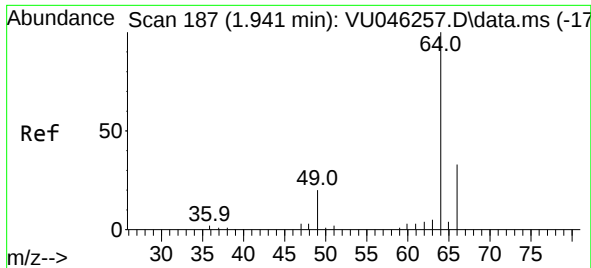
Tgt Ion: 62 Resp: 69581
 Ion Ratio Lower Upper
 62 100
 64 32.9 22.9 42.5



#6
 Bromomethane
 Concen: 49.607 ug/L
 RT: 1.864 min Scan# 163
 Delta R.T. 0.003 min
 Lab File: VU046257.D
 Acq: 10 Dec 2021 11:21

Tgt Ion: 94 Resp: 41842
 Ion Ratio Lower Upper
 94 100
 96 94.9 67.4 125.2

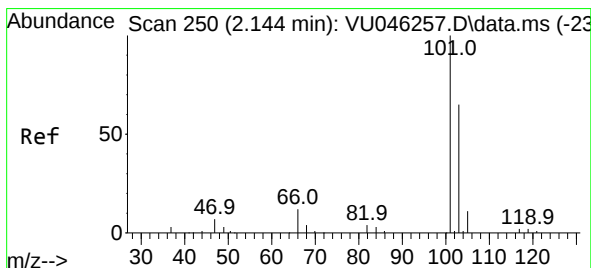
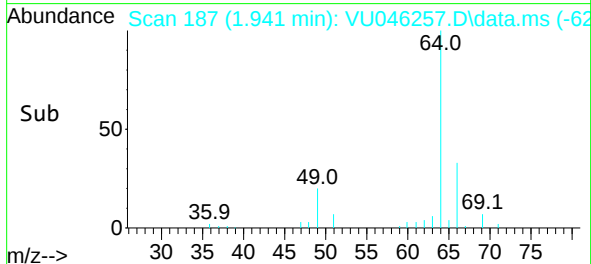
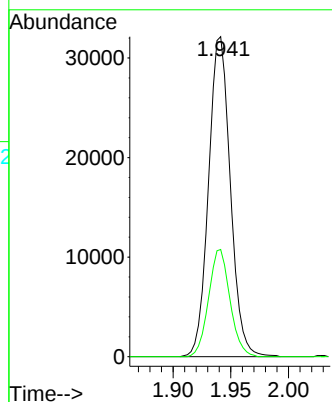
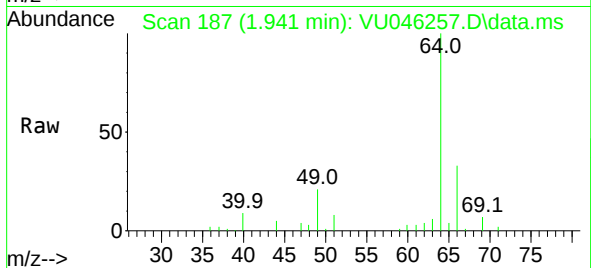




#8
Chloroethane
Concen: 49.024 ug/L
RT: 1.941 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU046257.D
Acq: 10 Dec 2021 11:21

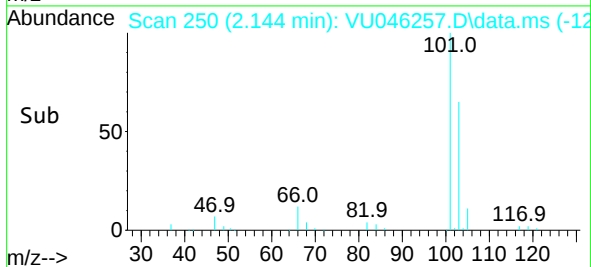
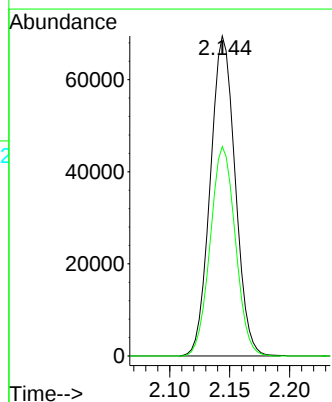
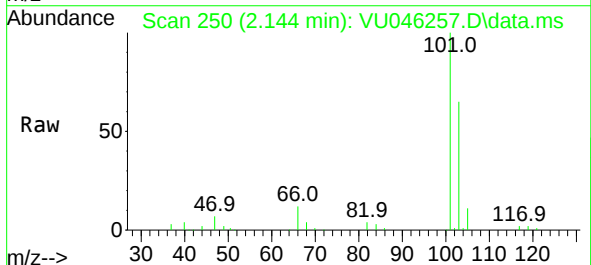
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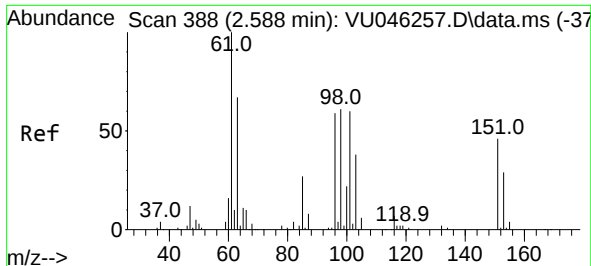
Tgt Ion: 64 Resp: 42241
Ion Ratio Lower Upper
64 100
66 33.5 22.5 41.9



#9
Trichlorofluoromethane
Concen: 51.599 ug/L
RT: 2.144 min Scan# 250
Delta R.T. -0.000 min
Lab File: VU046257.D
Acq: 10 Dec 2021 11:21

Tgt Ion:101 Resp: 100251
Ion Ratio Lower Upper
101 100
103 65.9 51.8 77.6

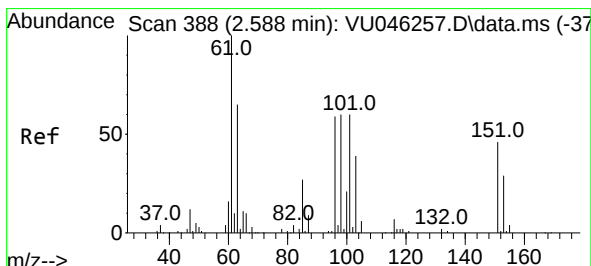
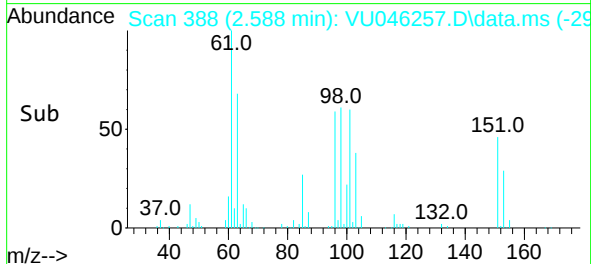
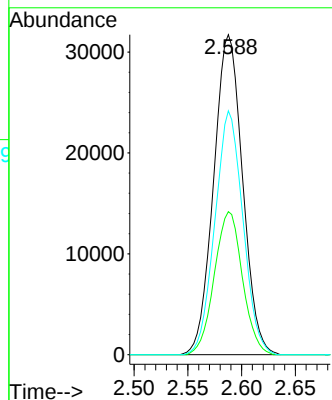
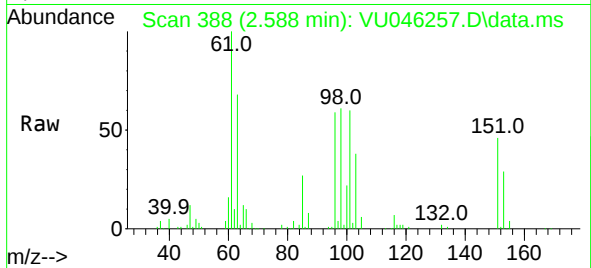




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 53.808 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. -0.000 min
 Lab File: VU046257.D
 Acq: 10 Dec 2021 11:21

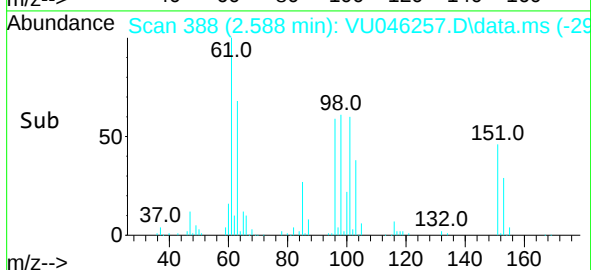
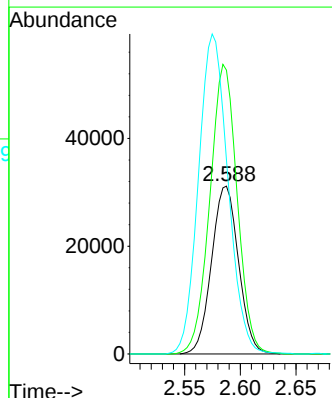
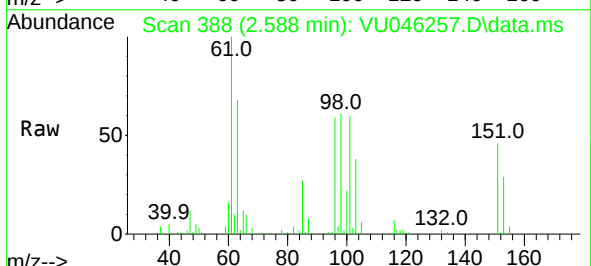
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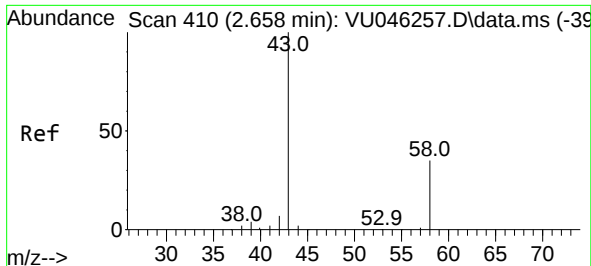
Tgt Ion:101 Resp: 59382
 Ion Ratio Lower Upper
 101 100
 85 43.4 35.1 52.7
 151 74.0 56.7 85.1



#12
 1,1-Dichloroethene
 Concen: 49.994 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. 0.003 min
 Lab File: VU046257.D
 Acq: 10 Dec 2021 11:21

Tgt Ion: 96 Resp: 52428
 Ion Ratio Lower Upper
 96 100
 61 169.1 118.6 220.2
 63 115.8 93.0 172.8





#13

Acetone

Concen: 82.326 ug/L

RT: 2.658 min Scan# 410

Delta R.T. -0.003 min

Lab File: VU046257.D

Acq: 10 Dec 2021 11:21

Instrument :

MSVOA_U

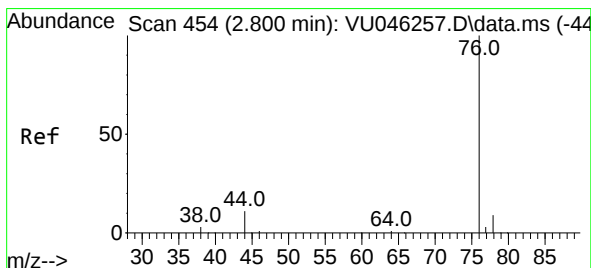
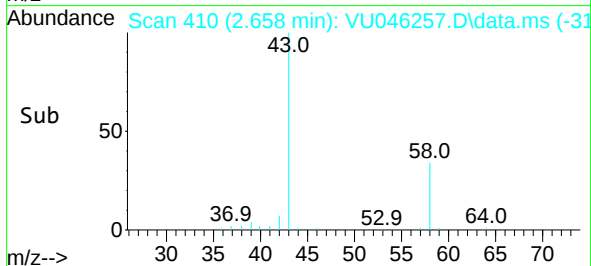
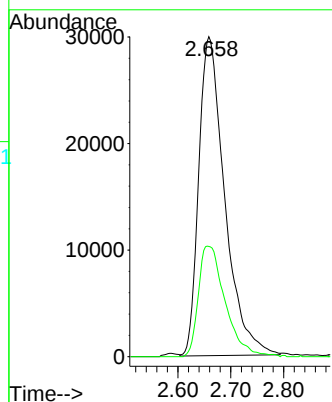
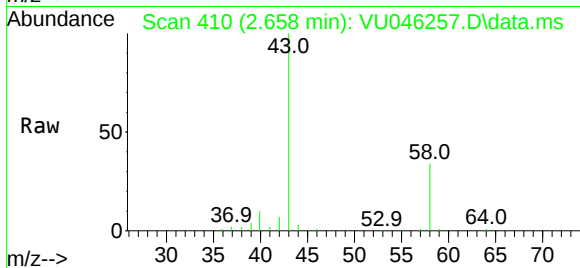
ClientSampleId :

Tgt Ion: 43 Resp: 102187

Ion Ratio Lower Upper

43 100

58 35.6 0.0 66.8



#14

Carbon disulfide

Concen: 43.078 ug/L

RT: 2.800 min Scan# 454

Delta R.T. -0.000 min

Lab File: VU046257.D

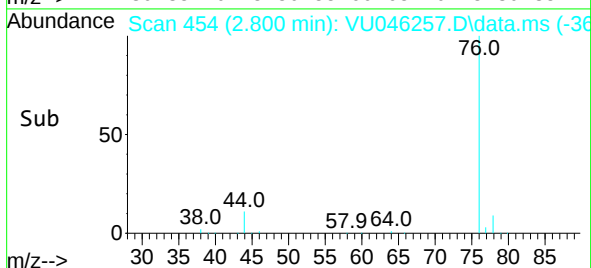
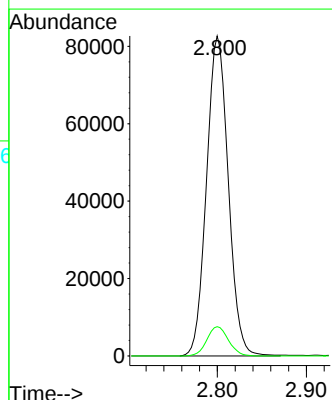
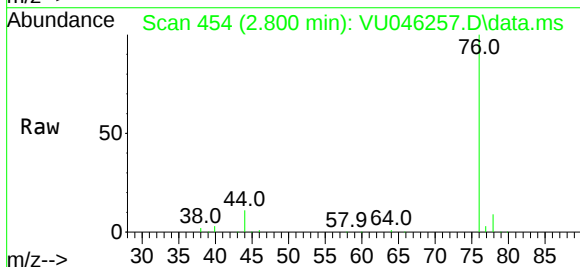
Acq: 10 Dec 2021 11:21

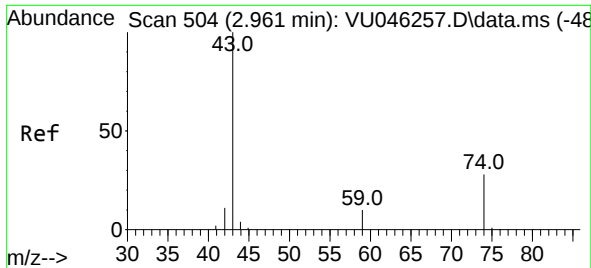
Tgt Ion: 76 Resp: 140158

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

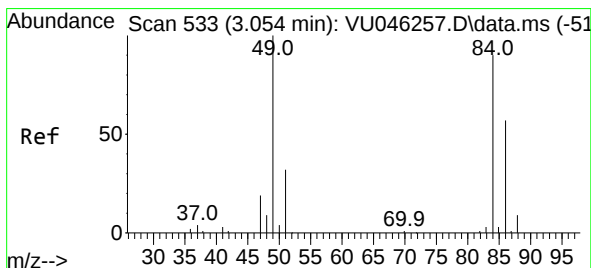
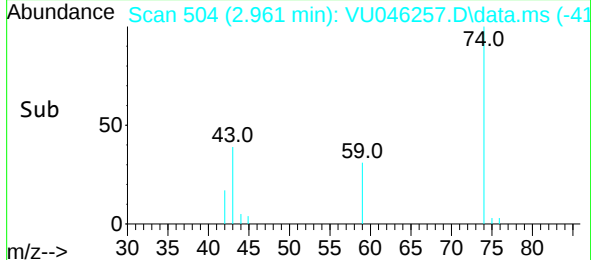
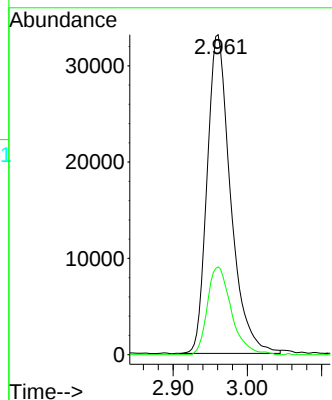
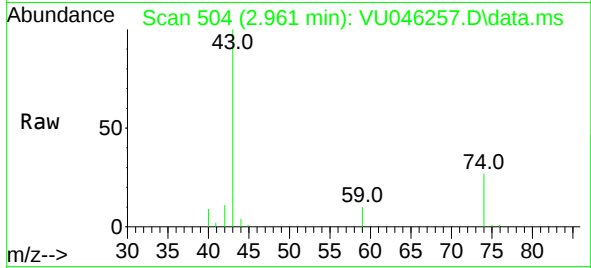




#15
Methyl Acetate
Concen: 50.200 ug/L
RT: 2.961 min Scan# 504
Delta R.T. -0.000 min
Lab File: VU046257.D
Acq: 10 Dec 2021 11:21

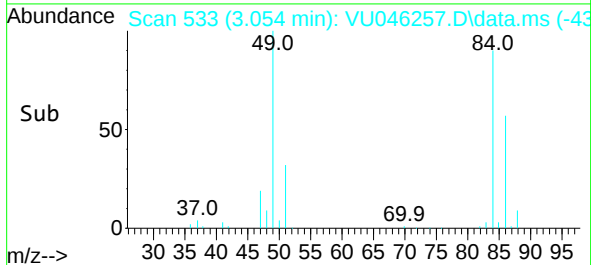
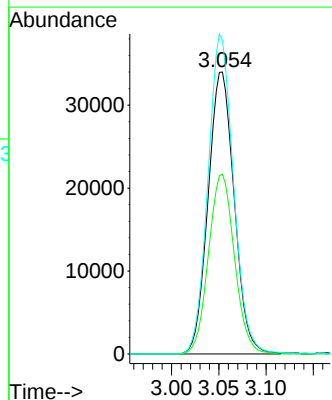
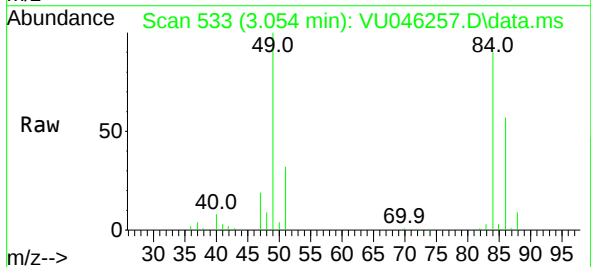
Instrument :
MSVOA_U
ClientSampleId :

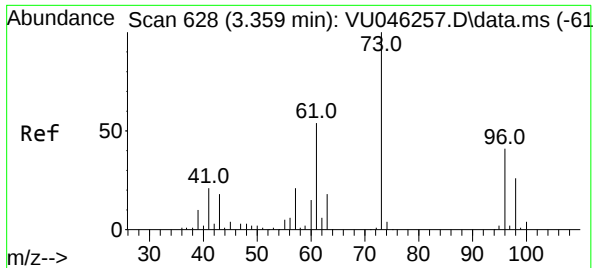
Tgt Ion: 43 Resp: 72638
Ion Ratio Lower Upper
43 100
74 27.8 20.8 31.2



#16
Methylene chloride
Concen: 52.424 ug/L
RT: 3.054 min Scan# 533
Delta R.T. 0.003 min
Lab File: VU046257.D
Acq: 10 Dec 2021 11:21

Tgt Ion: 84 Resp: 65409
Ion Ratio Lower Upper
84 100
86 63.8 44.7 83.1
49 111.2 78.4 145.6





#17

trans-1,2-Dichloroethene

Concen: 51.395 ug/L

RT: 3.359 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU046257.D

Acq: 10 Dec 2021 11:21

Instrument :

MSVOA_U

ClientSampleId :

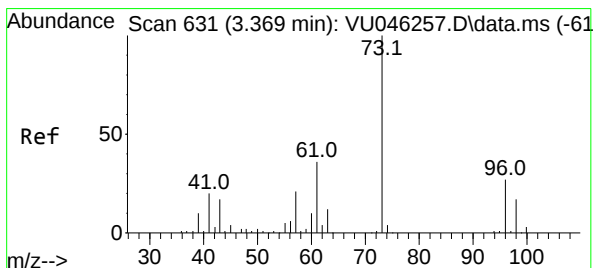
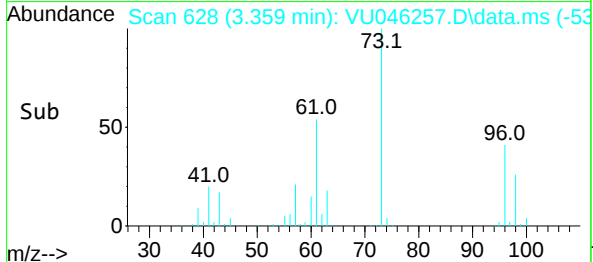
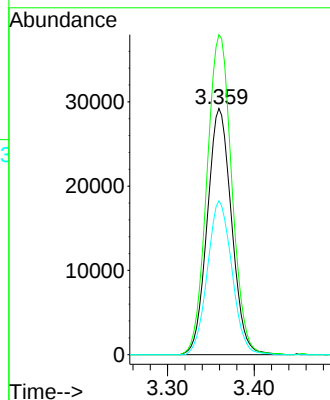
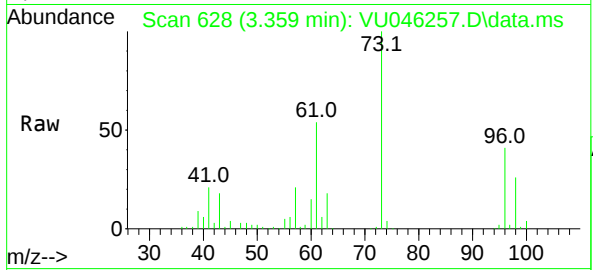
Tgt Ion: 96 Resp: 57037

Ion Ratio Lower Upper

96 100

61 130.0 94.6 175.6

98 62.5 44.0 81.8



#18

Methyl tert-butyl Ether

Concen: 55.886 ug/L

RT: 3.369 min Scan# 631

Delta R.T. -0.000 min

Lab File: VU046257.D

Acq: 10 Dec 2021 11:21

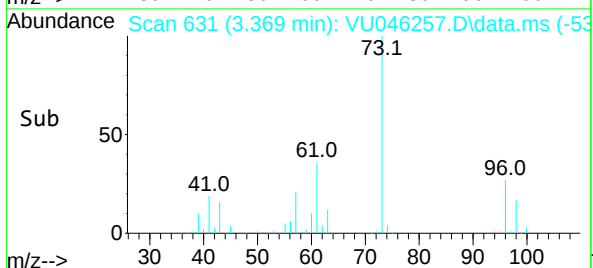
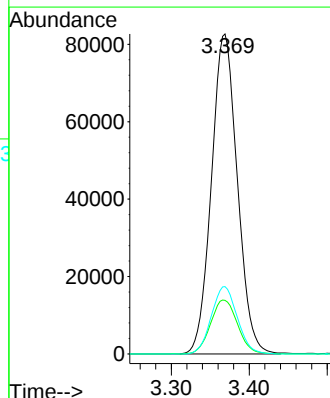
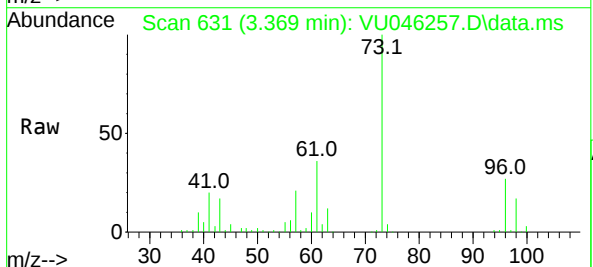
Tgt Ion: 73 Resp: 191139

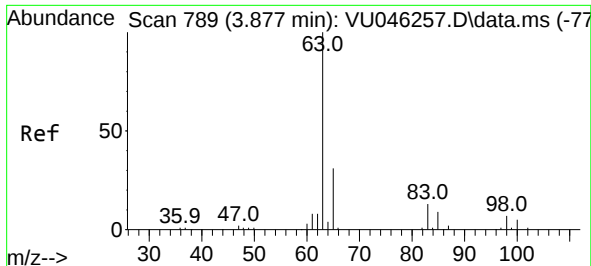
Ion Ratio Lower Upper

73 100

43 17.6 14.0 21.0

57 21.1 17.0 25.4





#19

1,1-Dichloroethane

Concen: 54.783 ug/L

RT: 3.877 min Scan# 789

Delta R.T. -0.000 min

Lab File: VU046257.D

Acq: 10 Dec 2021 11:21

Instrument :

MSVOA_U

ClientSampleId :

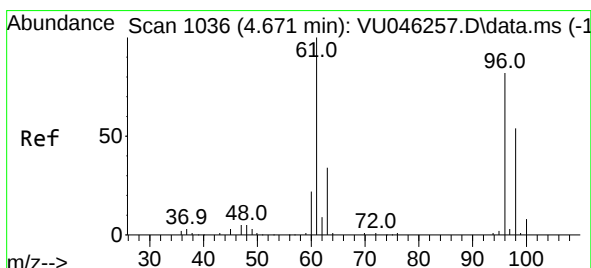
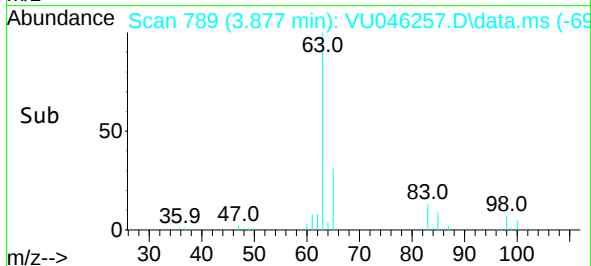
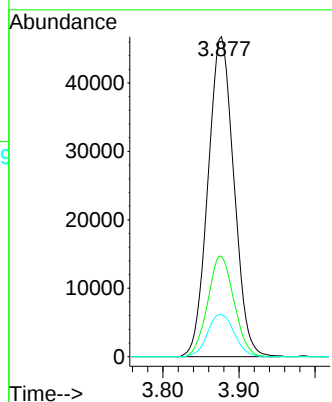
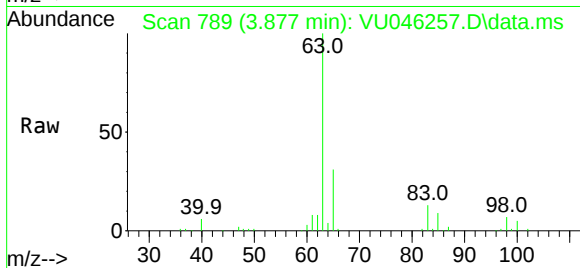
Tgt Ion: 63 Resp: 110543

Ion Ratio Lower Upper

63 100

65 31.3 22.8 42.4

83 13.1 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 54.972 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VU046257.D

Acq: 10 Dec 2021 11:21

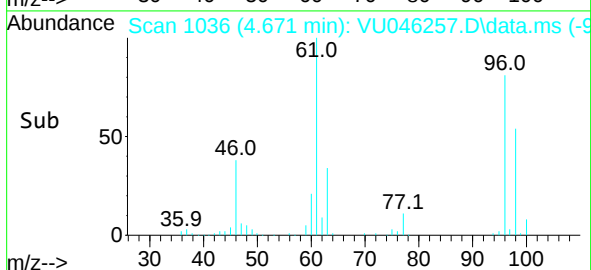
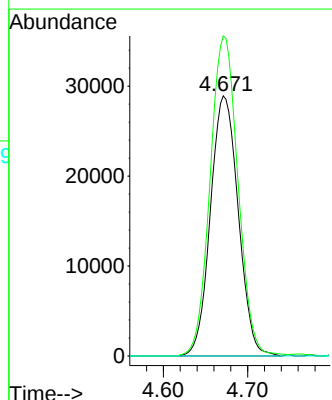
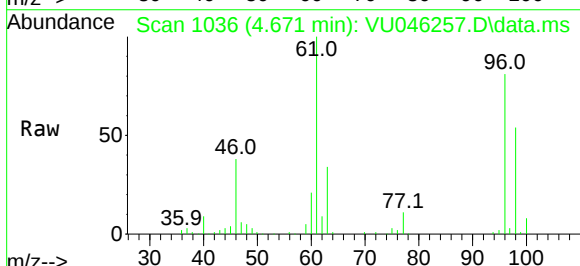
Tgt Ion: 96 Resp: 66196

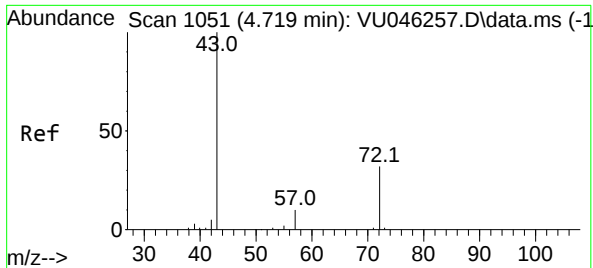
Ion Ratio Lower Upper

96 100

61 123.0 86.8 161.2

68 0.0 0.0 0.0

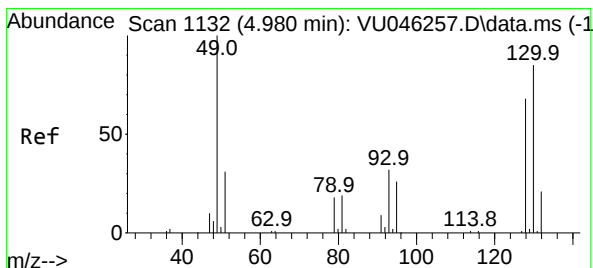
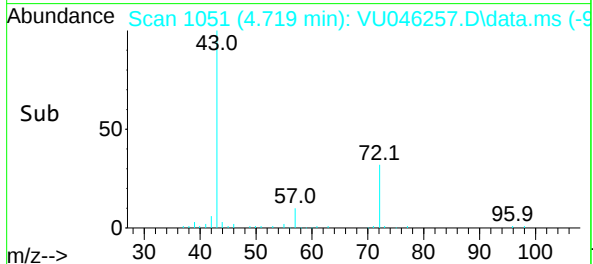
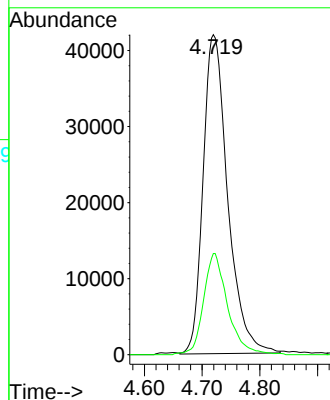
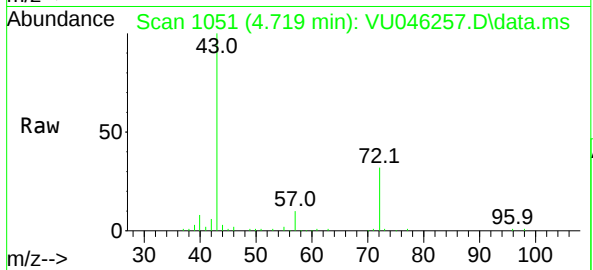




#22
2-Butanone
Concen: 91.984 ug/L
RT: 4.719 min Scan# 1051
Delta R.T. -0.003 min
Lab File: VU046257.D
Acq: 10 Dec 2021 11:21

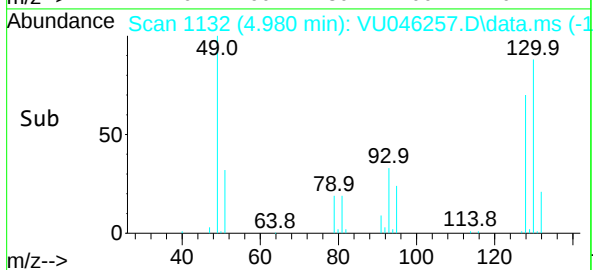
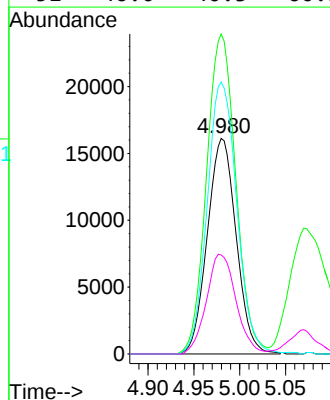
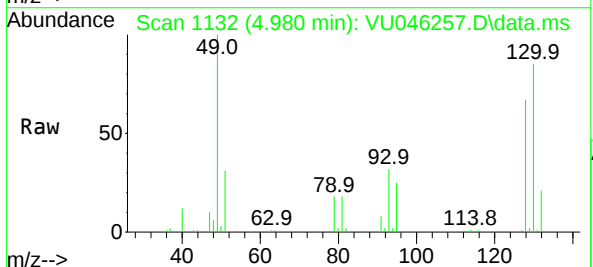
Instrument :
MSVOA_U
ClientSampleId :

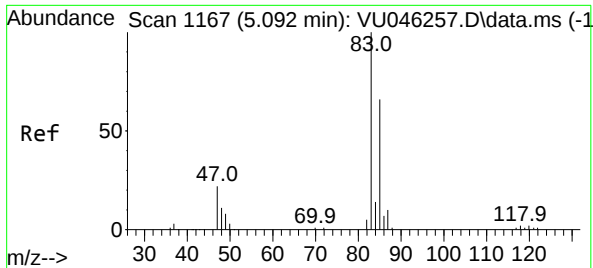
Tgt Ion: 43 Resp: 124290
Ion Ratio Lower Upper
43 100
72 31.0 14.5 43.6



#23
Bromochloromethane
Concen: 57.924 ug/L
RT: 4.980 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VU046257.D
Acq: 10 Dec 2021 11:21

Tgt Ion:128 Resp: 35228
Ion Ratio Lower Upper
128 100
49 148.5 115.9 215.3
130 126.1 91.8 170.4
51 46.0 40.3 60.5

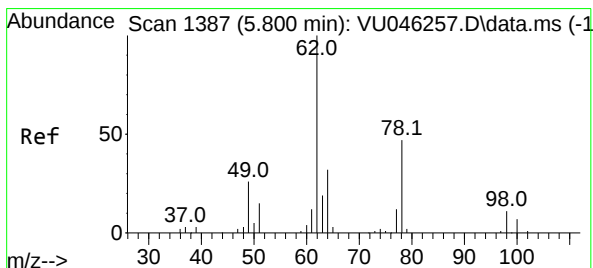
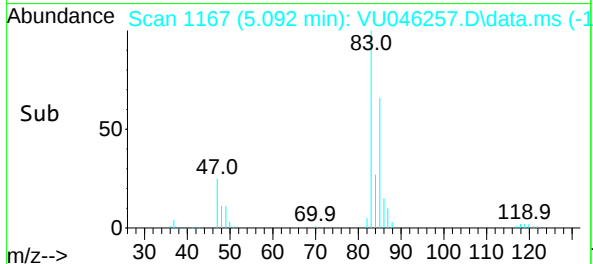
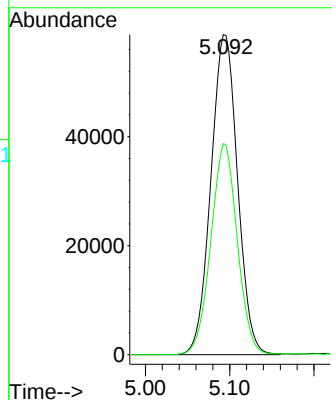
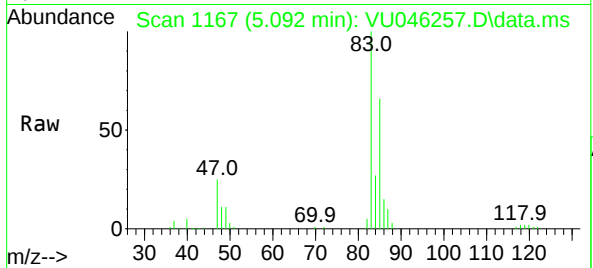




#25
Chloroform
Concen: 57.595 ug/L
RT: 5.092 min Scan# 1167
Delta R.T. -0.000 min
Lab File: VU046257.D
Acq: 10 Dec 2021 11:21

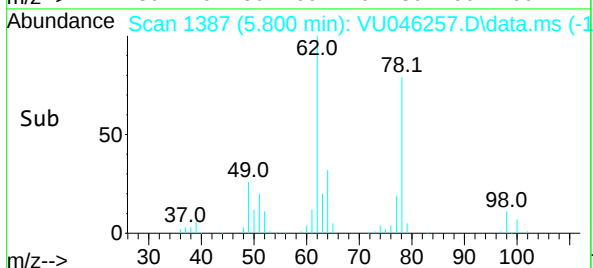
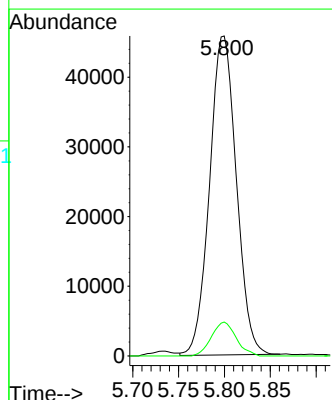
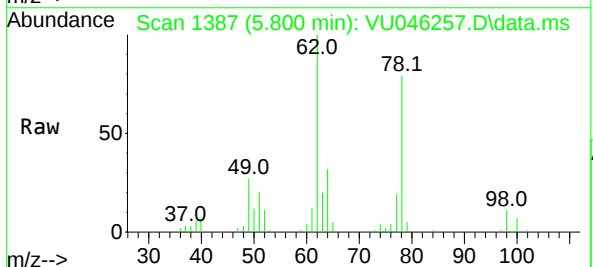
Instrument :
MSVOA_U
ClientSampleId :

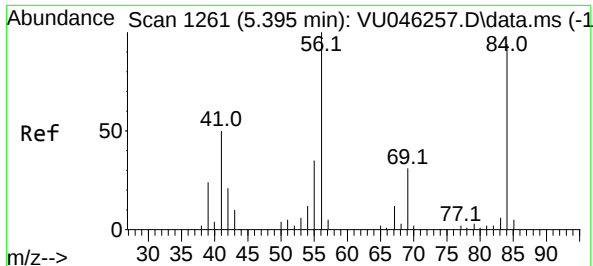
Tgt Ion: 83 Resp: 129126
Ion Ratio Lower Upper
83 100
85 65.9 45.8 85.2



#27
1,2-Dichloroethane
Concen: 55.894 ug/L
RT: 5.800 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VU046257.D
Acq: 10 Dec 2021 11:21

Tgt Ion: 62 Resp: 92988
Ion Ratio Lower Upper
62 100
98 10.6 7.9 11.9





#29

Cyclohexane

Concen: 43.079 ug/L

RT: 5.395 min Scan# 1261

Delta R.T. -0.000 min

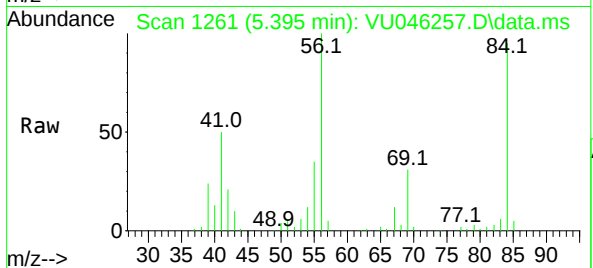
Lab File: VU046257.D

Acq: 10 Dec 2021 11:21

Instrument :

MSVOA_U

ClientSampleId :



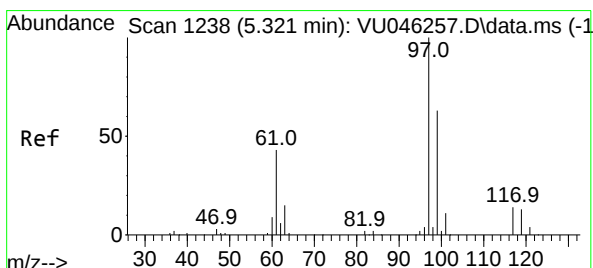
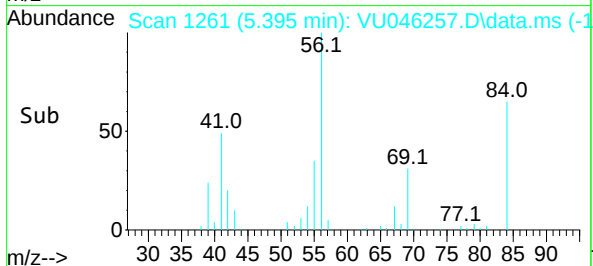
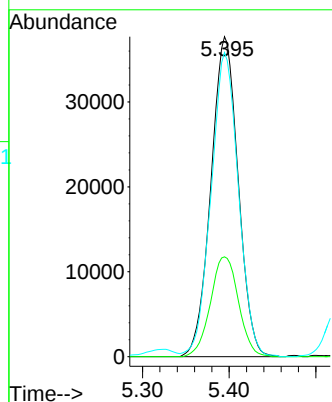
Tgt Ion: 56 Resp: 82281

Ion Ratio Lower Upper

56 100

69 32.2 25.2 37.8

84 95.5 73.3 109.9



#30

1,1,1-Trichloroethane

Concen: 51.009 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VU046257.D

Acq: 10 Dec 2021 11:21

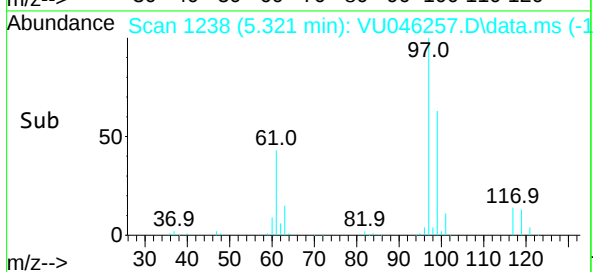
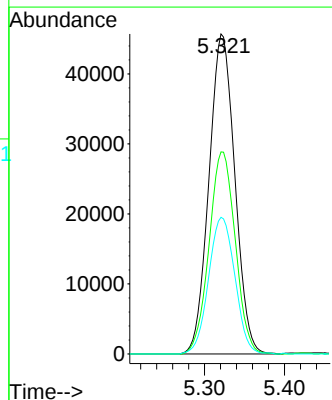
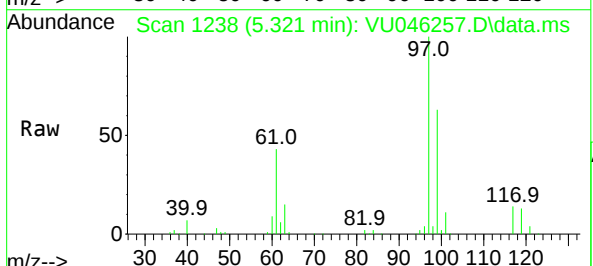
Tgt Ion: 97 Resp: 102704

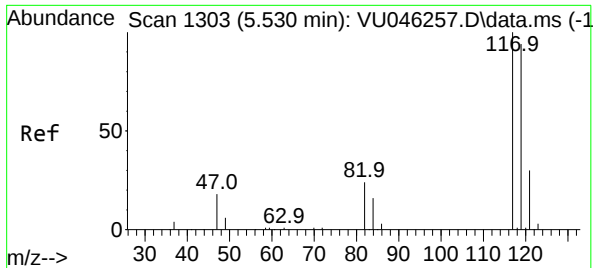
Ion Ratio Lower Upper

97 100

99 63.9 51.8 77.6

61 43.4 34.4 51.6

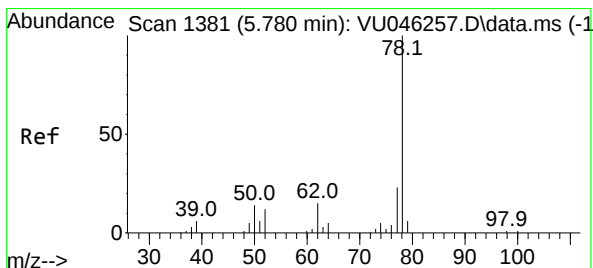
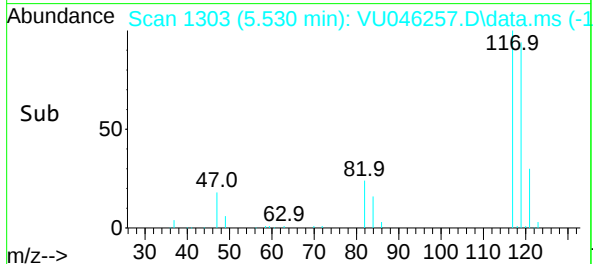
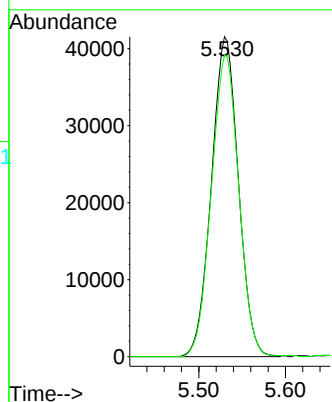
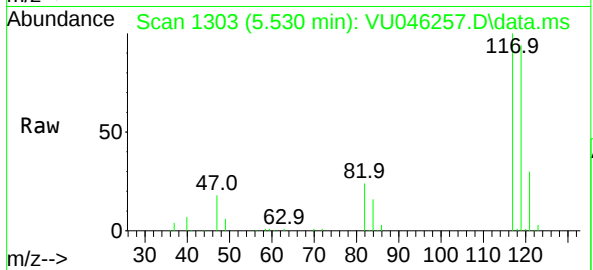




#31
Carbon tetrachloride
Concen: 52.536 ug/L
RT: 5.530 min Scan# 1303
Delta R.T. -0.000 min
Lab File: VU046257.D
Acq: 10 Dec 2021 11:21

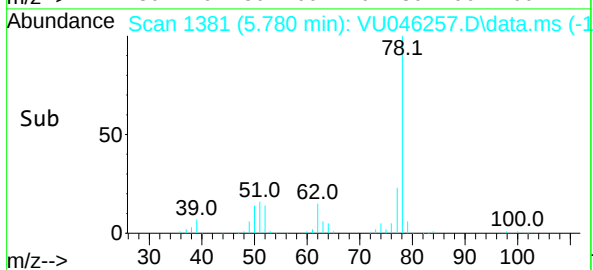
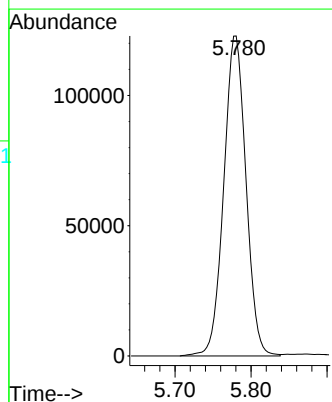
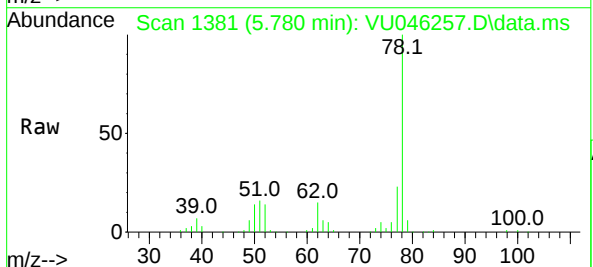
Instrument :
MSVOA_U
ClientSampleId :

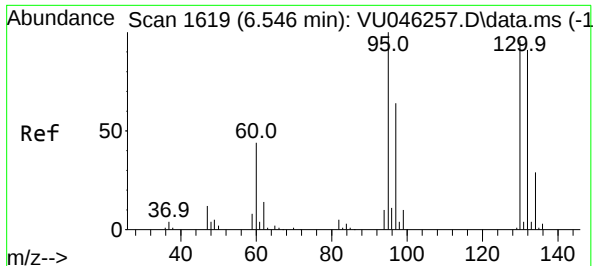
Tgt Ion:117 Resp: 89801
Ion Ratio Lower Upper
117 100
119 95.9 75.7 113.5



#33
Benzene
Concen: 50.197 ug/L
RT: 5.780 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VU046257.D
Acq: 10 Dec 2021 11:21

Tgt Ion: 78 Resp: 249203

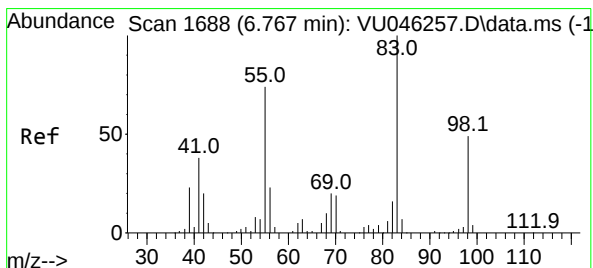
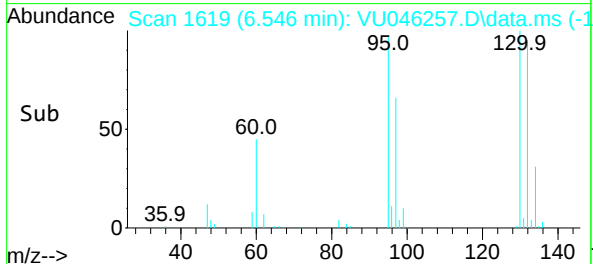
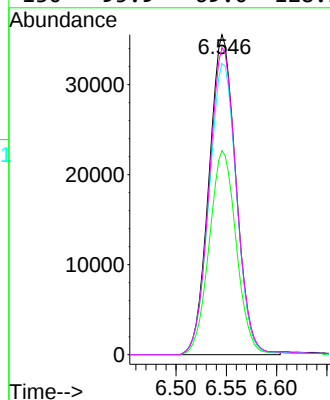
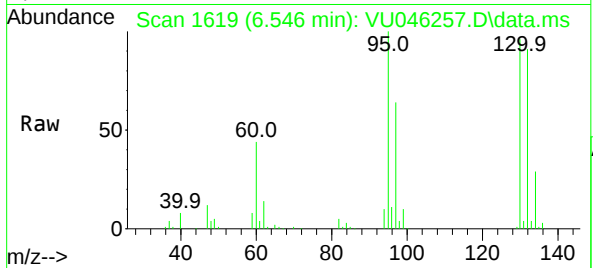




#34
Trichloroethene
Concen: 50.432 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU046257.D
Acq: 10 Dec 2021 11:21

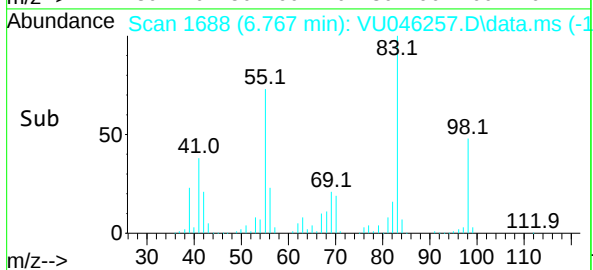
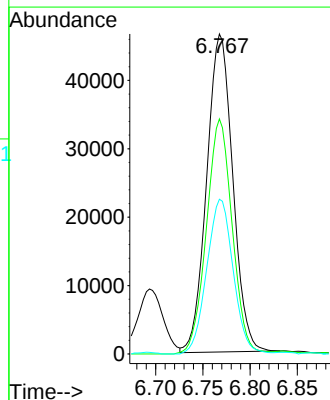
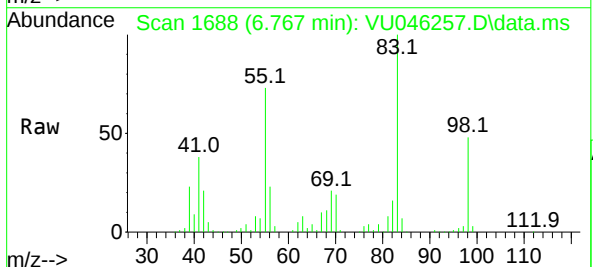
Instrument :
MSVOA_U
ClientSampleId :

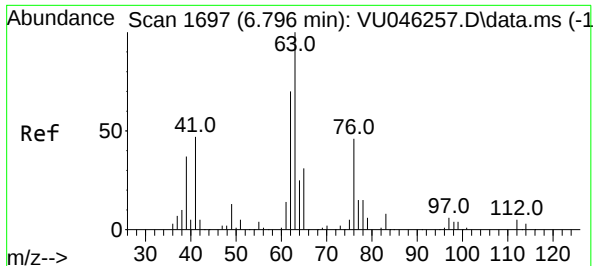
Tgt Ion: 95 Resp: 65958
Ion Ratio Lower Upper
95 100
97 63.8 44.1 81.9
132 91.0 66.8 124.0
130 95.9 69.0 128.1



#35
Methylcyclohexane
Concen: 44.009 ug/L
RT: 6.767 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VU046257.D
Acq: 10 Dec 2021 11:21

Tgt Ion: 83 Resp: 89245
Ion Ratio Lower Upper
83 100
55 73.0 57.8 86.6
98 49.3 38.4 57.6

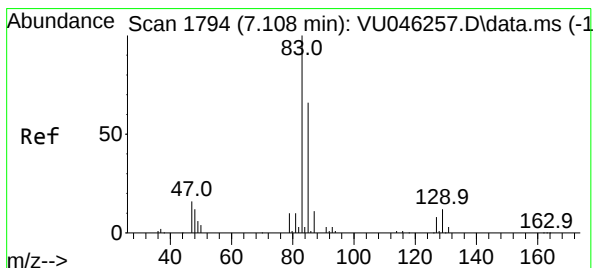
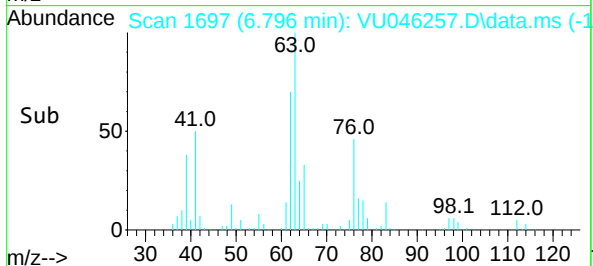
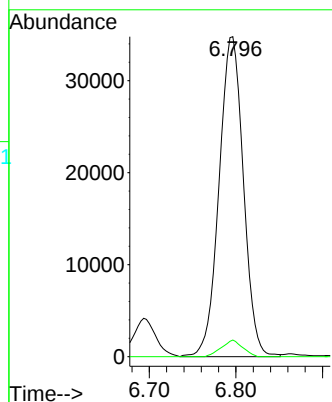
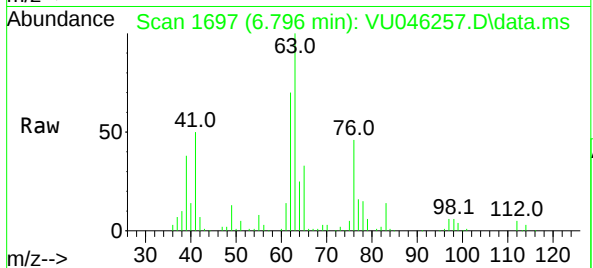




#37
1,2-Dichloropropane
Concen: 52.184 ug/L
RT: 6.796 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU046257.D
Acq: 10 Dec 2021 11:21

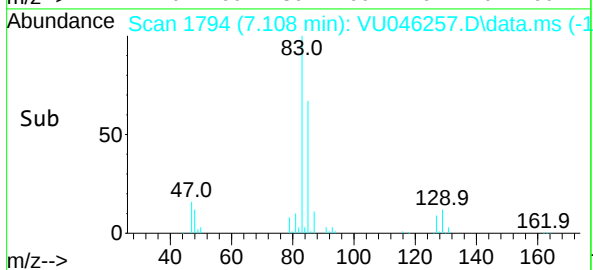
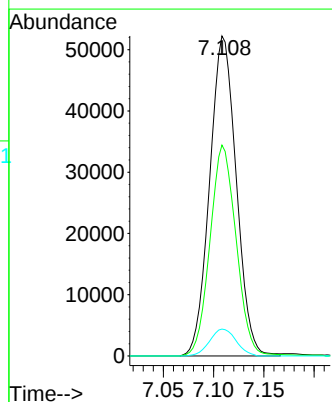
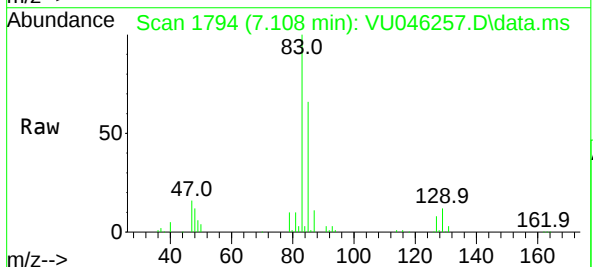
Instrument :
MSVOA_U
ClientSampleId :

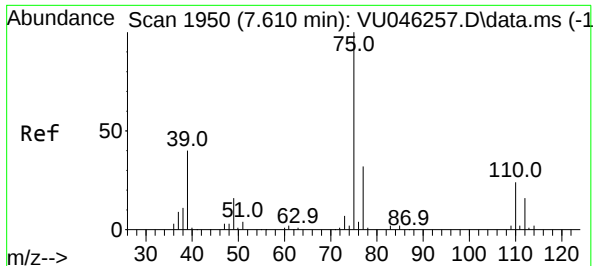
Tgt Ion: 63 Resp: 67864
Ion Ratio Lower Upper
63 100
112 4.5 3.8 5.6



#38
Bromodichloromethane
Concen: 55.656 ug/L
RT: 7.108 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VU046257.D
Acq: 10 Dec 2021 11:21

Tgt Ion: 83 Resp: 96205
Ion Ratio Lower Upper
83 100
85 65.9 44.4 82.5
127 8.4 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 52.722 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VU046257.D

Acq: 10 Dec 2021 11:21

Instrument :

MSVOA_U

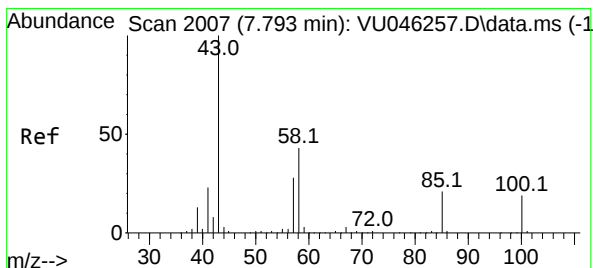
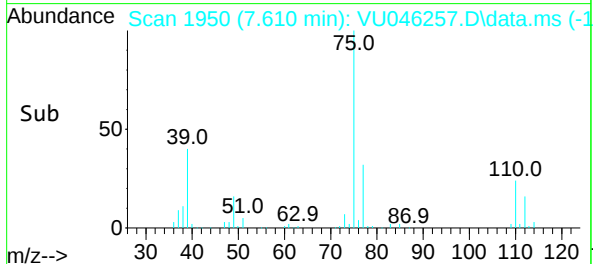
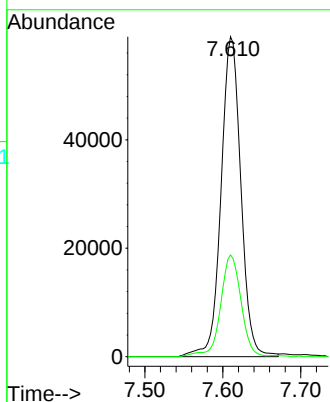
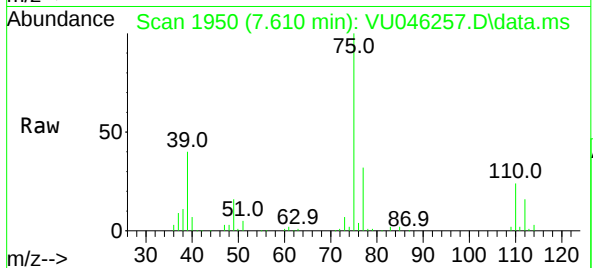
ClientSampleId :

Tgt Ion: 75 Resp: 104306

Ion Ratio Lower Upper

75 100

77 31.8 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 103.312 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.003 min

Lab File: VU046257.D

Acq: 10 Dec 2021 11:21

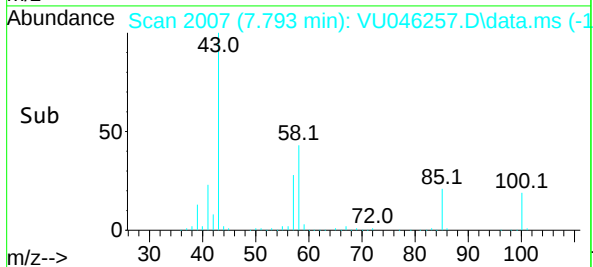
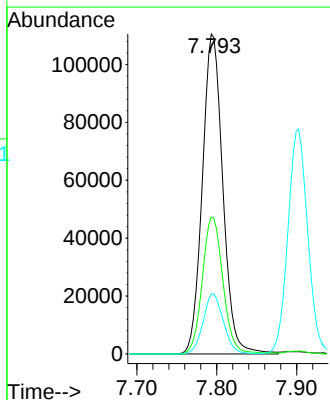
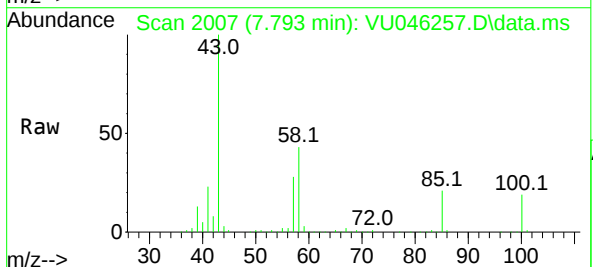
Tgt Ion: 43 Resp: 197402

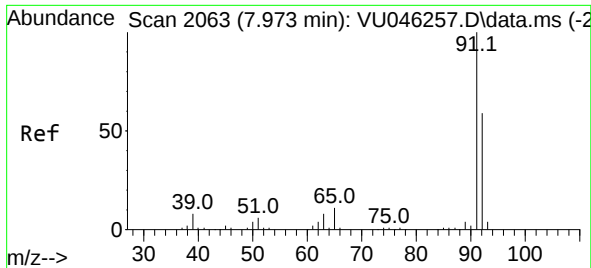
Ion Ratio Lower Upper

43 100

58 43.1 34.2 51.4

100 18.5 14.5 21.7





#42

Toluene

Concen: 51.256 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VU046257.D

Acq: 10 Dec 2021 11:21

Instrument :

MSVOA_U

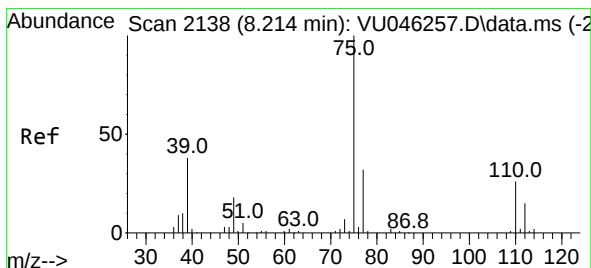
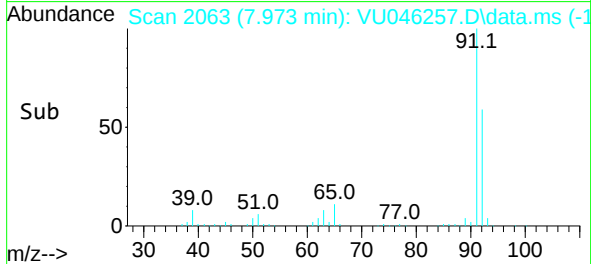
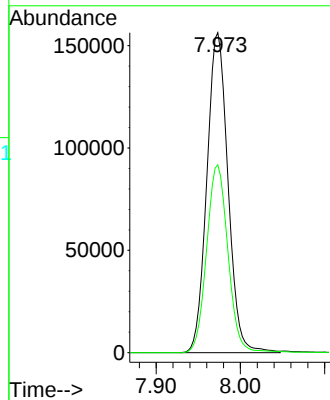
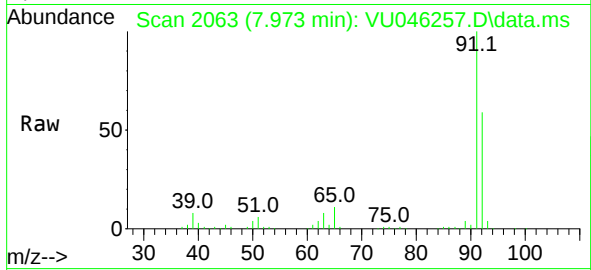
ClientSampleId :

Tgt Ion: 91 Resp: 273043

Ion Ratio Lower Upper

91 100

92 58.7 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 53.443 ug/L

RT: 8.214 min Scan# 2138

Delta R.T. -0.000 min

Lab File: VU046257.D

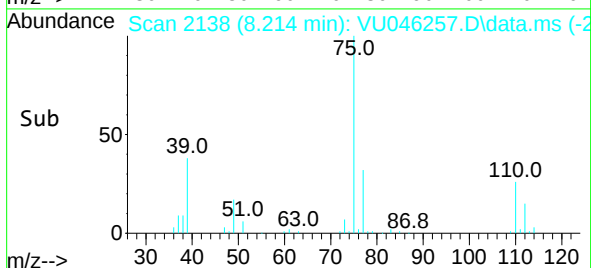
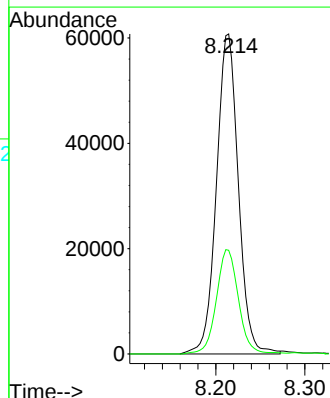
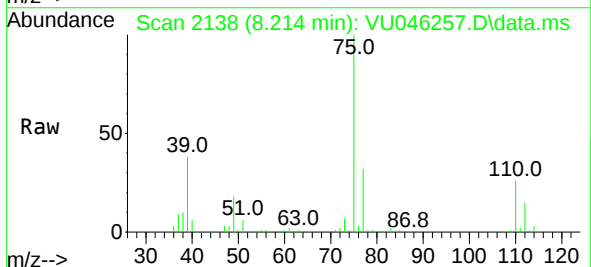
Acq: 10 Dec 2021 11:21

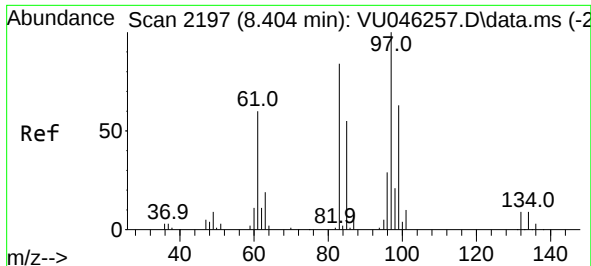
Tgt Ion: 75 Resp: 103847

Ion Ratio Lower Upper

75 100

77 32.4 21.7 40.3

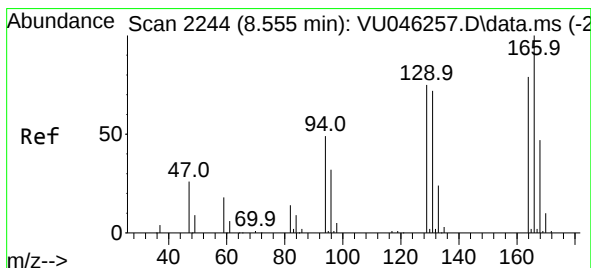
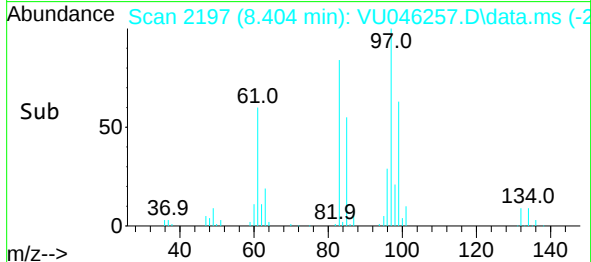
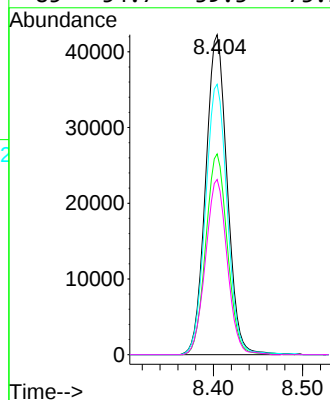
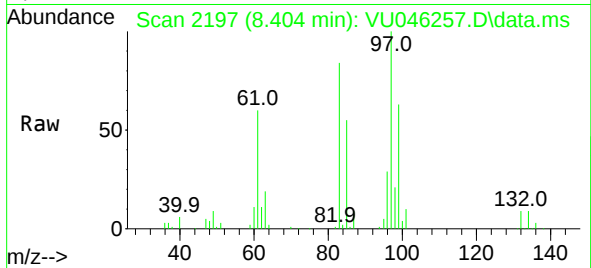




#45
1,1,2-Trichloroethane
Concen: 54.405 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. -0.000 min
Lab File: VU046257.D
Acq: 10 Dec 2021 11:21

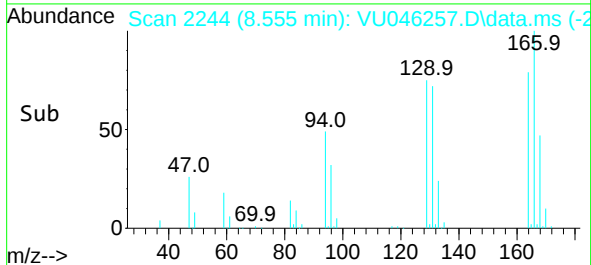
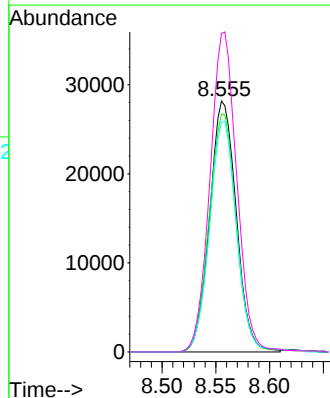
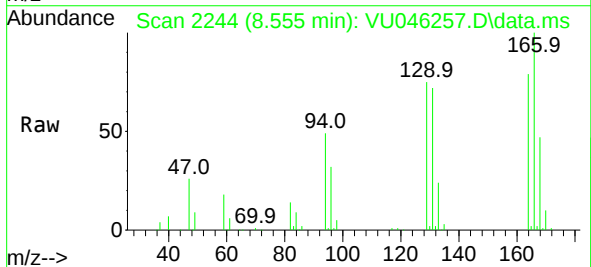
Instrument :
MSVOA_U
ClientSampleId :

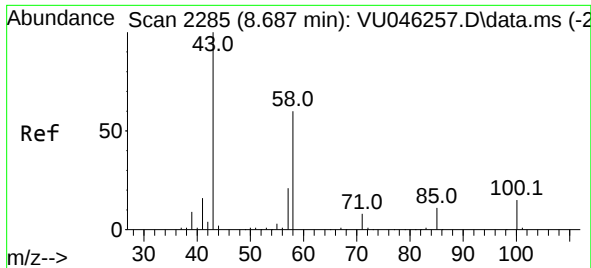
Tgt Ion: 97	Resp: 70983
Ion Ratio	Lower Upper
97 100	
99 62.8	44.7 82.9
83 84.5	60.2 111.8
85 54.7	39.3 73.1



#46
Tetrachloroethene
Concen: 50.515 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU046257.D
Acq: 10 Dec 2021 11:21

Tgt	Ion:164	Resp:	48551
Ion	Ratio	Lower	Upper
164	100		
129	94.8	71.1	132.1
131	91.7	67.8	126.0
166	126.9	90.6	168.2



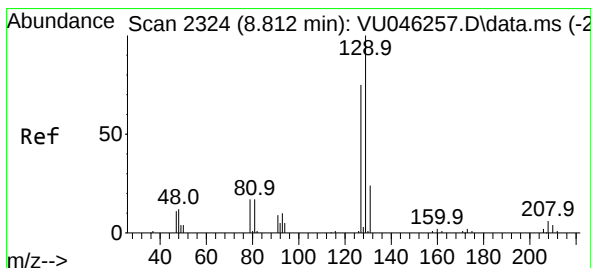
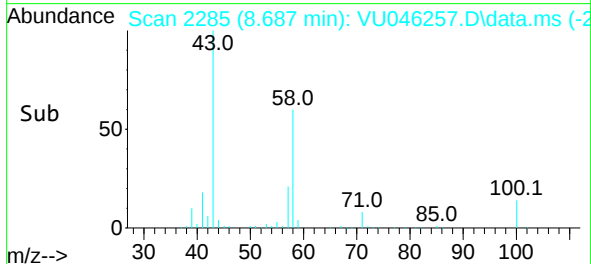
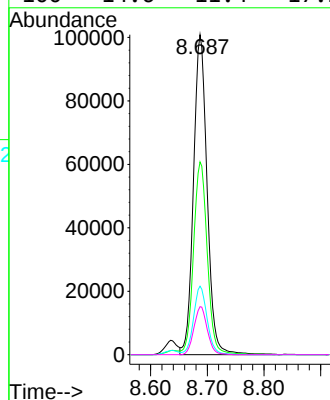
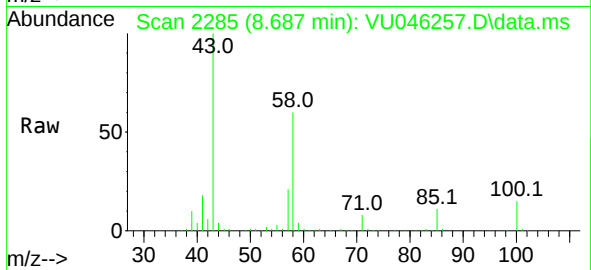


#48
2-Hexanone
Concen: 98.630 ug/L
RT: 8.687 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU046257.D
Acq: 10 Dec 2021 11:21

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 168541

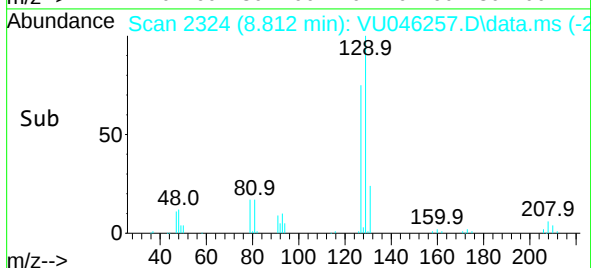
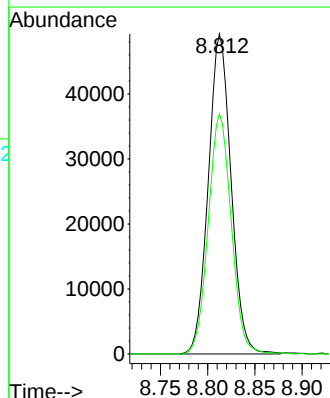
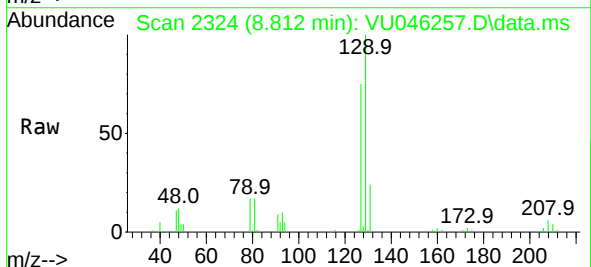
Ion	Ratio	Lower	Upper
43	100		
58	59.7	47.4	71.2
57	21.2	16.6	25.0
100	14.6	11.4	17.2

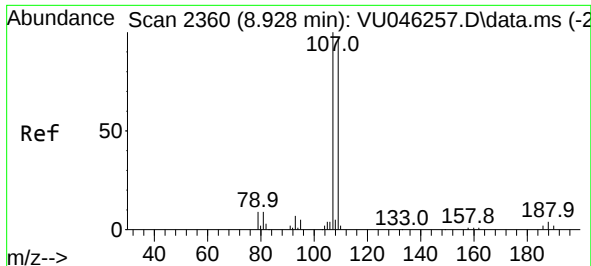


#49
Dibromochloromethane
Concen: 60.197 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. -0.000 min
Lab File: VU046257.D
Acq: 10 Dec 2021 11:21

Tgt Ion: 129 Resp: 82477

Ion	Ratio	Lower	Upper
129	100		
127	75.1	55.6	103.4

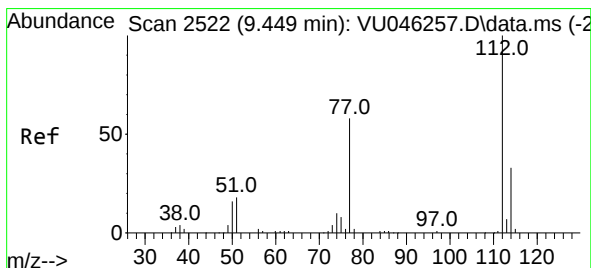
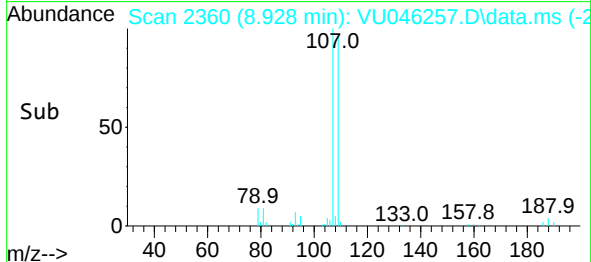
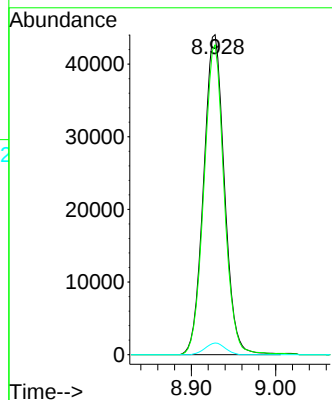
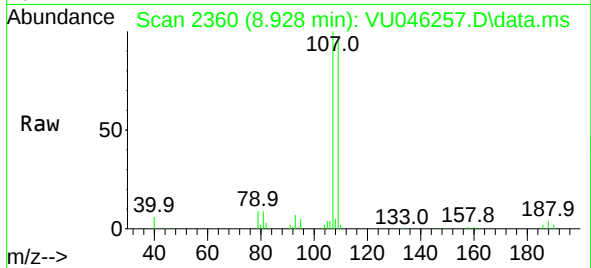




#50
1,2-Dibromoethane
Concen: 53.546 ug/L
RT: 8.928 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU046257.D
Acq: 10 Dec 2021 11:21

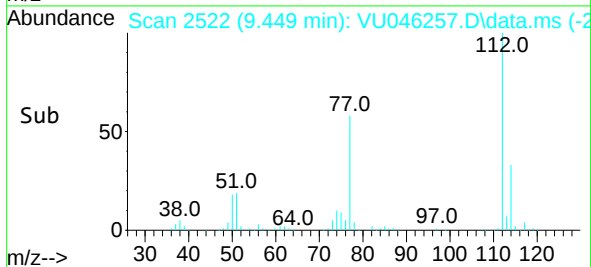
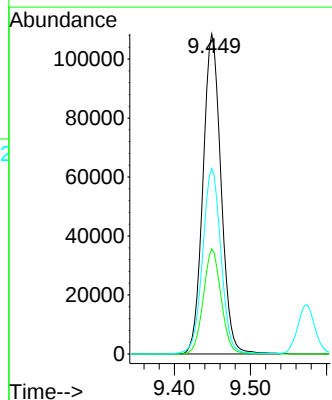
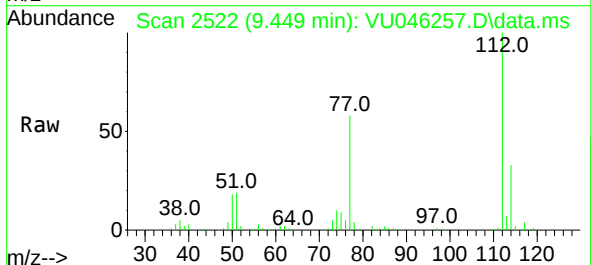
Instrument :
MSVOA_U
ClientSampleId :

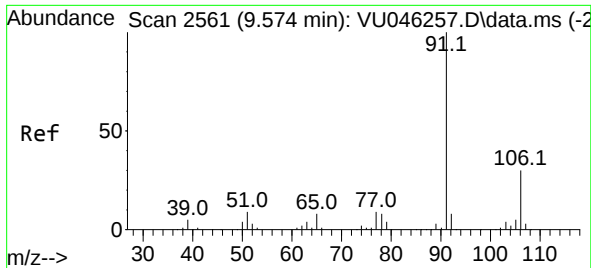
Tgt Ion:107 Resp: 75743
Ion Ratio Lower Upper
107 100
109 96.8 64.9 120.5
188 3.6 2.6 3.8



#51
Chlorobenzene
Concen: 52.002 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. -0.000 min
Lab File: VU046257.D
Acq: 10 Dec 2021 11:21

Tgt Ion:112 Resp: 179218
Ion Ratio Lower Upper
112 100
114 32.8 22.2 41.2
77 58.0 47.4 71.0

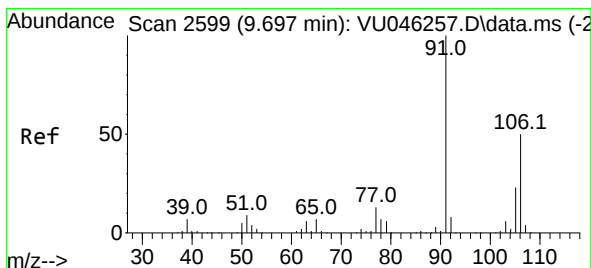
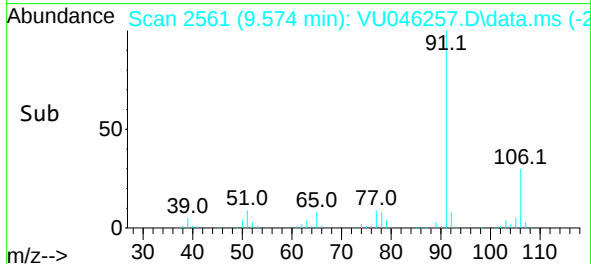
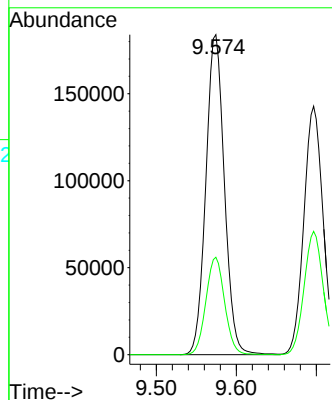
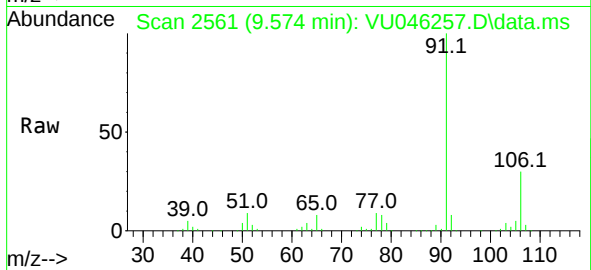




#52
Ethylbenzene
Concen: 51.757 ug/L
RT: 9.574 min Scan# 2561
Delta R.T. -0.000 min
Lab File: VU046257.D
Acq: 10 Dec 2021 11:21

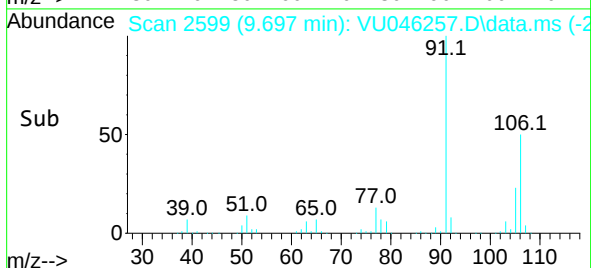
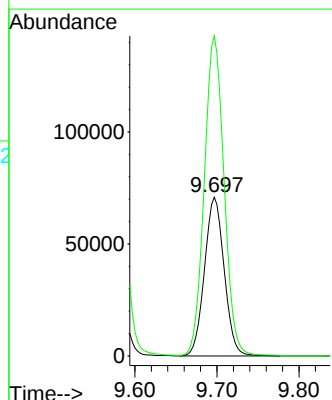
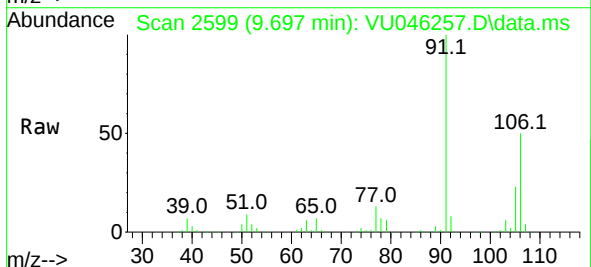
Instrument :
MSVOA_U
ClientSampleId :

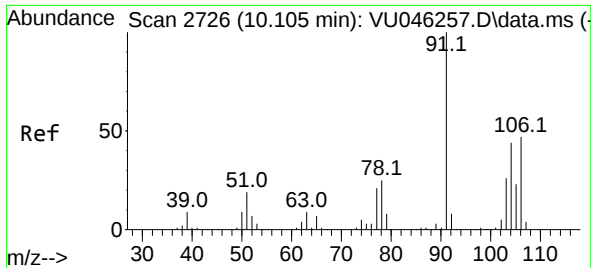
Tgt Ion: 91 Resp: 296724
Ion Ratio Lower Upper
91 100
106 30.4 21.1 39.3



#53
m,p-Xylene
Concen: 52.869 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. -0.000 min
Lab File: VU046257.D
Acq: 10 Dec 2021 11:21

Tgt Ion:106 Resp: 118204
Ion Ratio Lower Upper
106 100
91 201.6 144.3 268.1

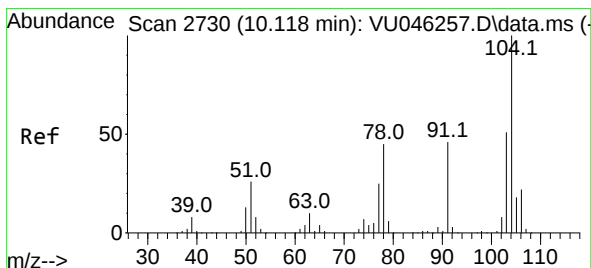
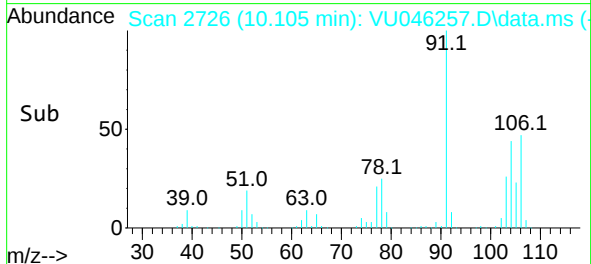
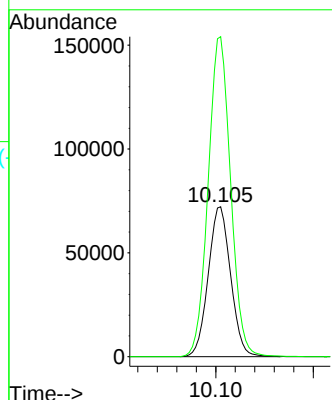
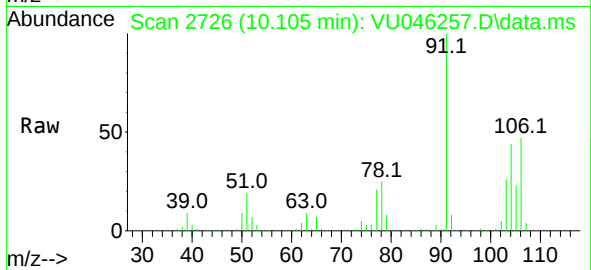




#54
o-xylene
Concen: 53.076 ug/L
RT: 10.105 min Scan# 2726
Delta R.T. -0.000 min
Lab File: VU046257.D
Acq: 10 Dec 2021 11:21

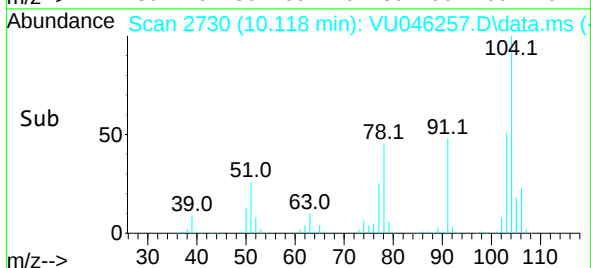
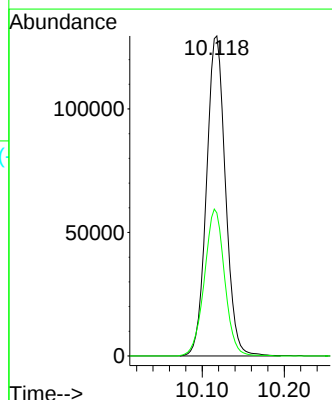
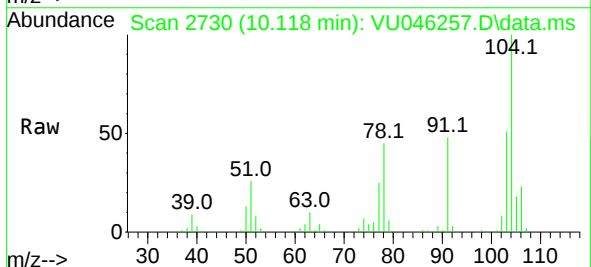
Instrument :
MSVOA_U
ClientSampleId :

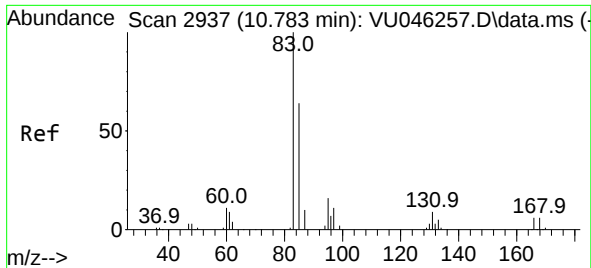
Tgt Ion:106 Resp: 115147
Ion Ratio Lower Upper
106 100
91 213.4 154.2 286.4



#55
Styrene
Concen: 56.242 ug/L
RT: 10.118 min Scan# 2730
Delta R.T. -0.000 min
Lab File: VU046257.D
Acq: 10 Dec 2021 11:21

Tgt Ion:104 Resp: 208314
Ion Ratio Lower Upper
104 100
78 44.7 32.6 60.5





#57

1,1,2,2-Tetrachloroethane

Concen: 54.178 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. -0.003 min

Lab File: VU046257.D

Acq: 10 Dec 2021 11:21

Instrument :

MSVOA_U

ClientSampleId :

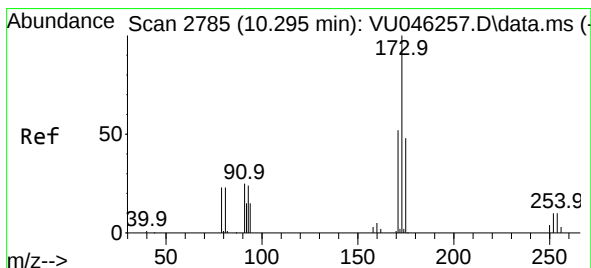
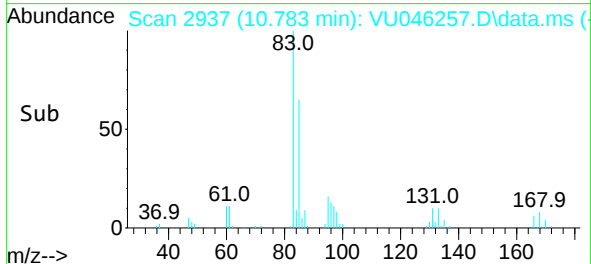
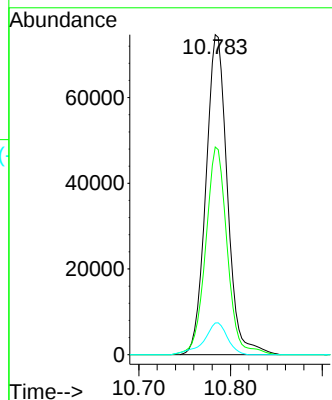
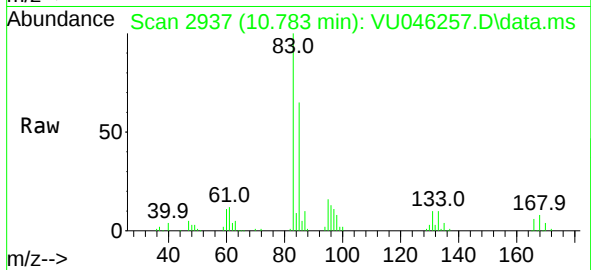
Tgt Ion: 83 Resp: 121189

Ion Ratio Lower Upper

83 100

85 64.9 45.6 84.6

131 9.9 7.8 11.6



#59

Bromoform

Concen: 55.823 ug/L

RT: 10.295 min Scan# 2785

Delta R.T. -0.000 min

Lab File: VU046257.D

Acq: 10 Dec 2021 11:21

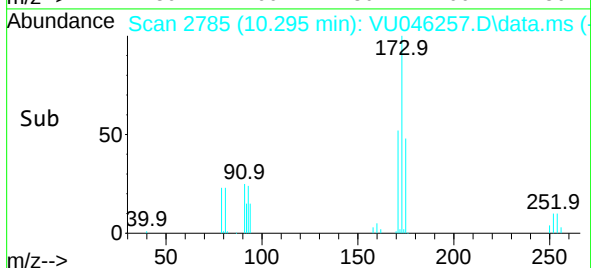
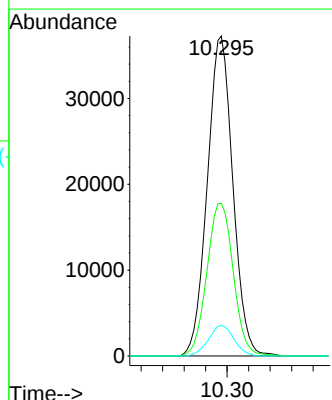
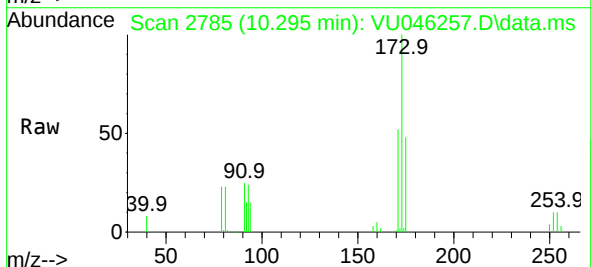
Tgt Ion:173 Resp: 61438

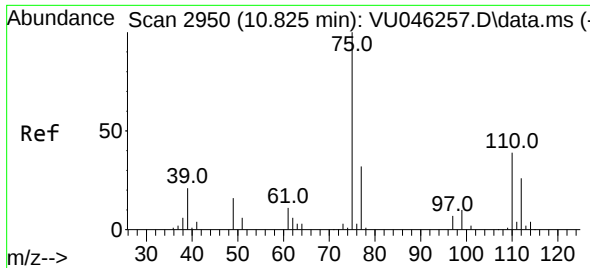
Ion Ratio Lower Upper

173 100

175 49.3 39.2 58.8

254 9.5 7.4 11.2

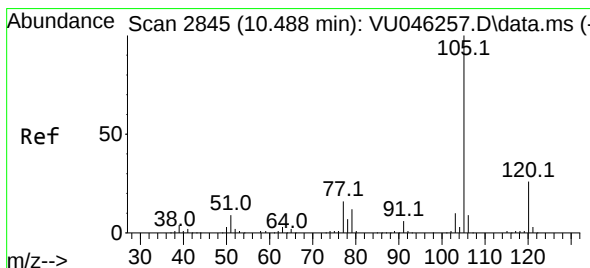
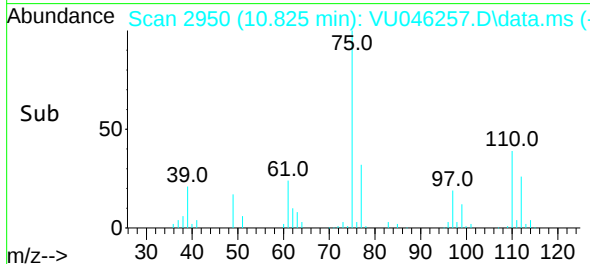
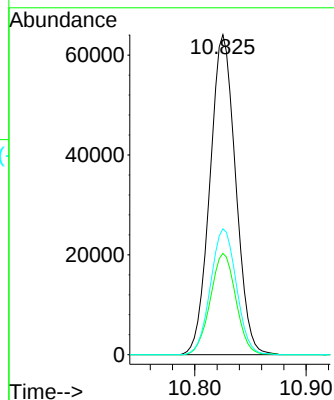
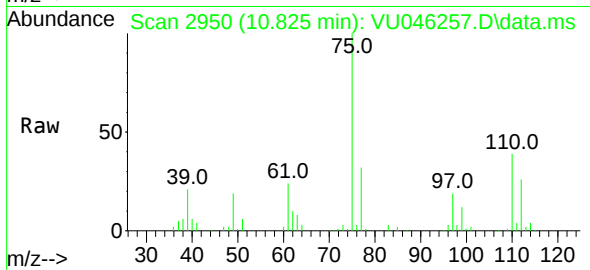




#60
1,2,3-Trichloropropane
Concen: 49.943 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. -0.000 min
Lab File: VU046257.D
Acq: 10 Dec 2021 11:21

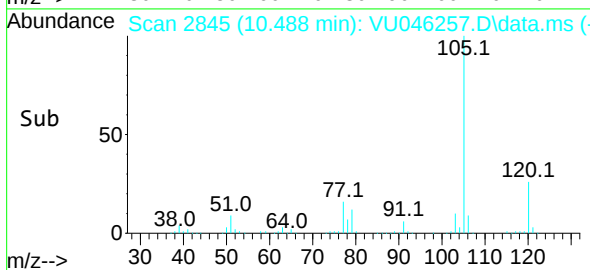
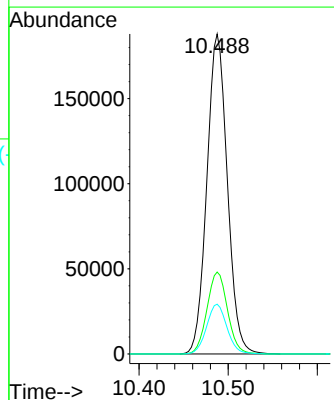
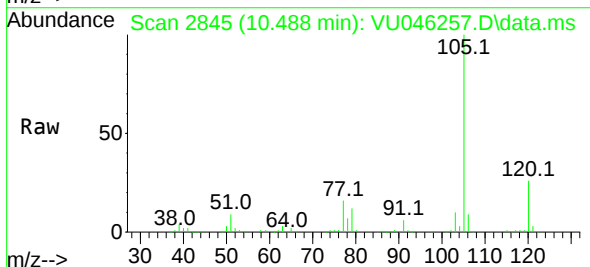
Instrument :
MSVOA_U
ClientSampleId :

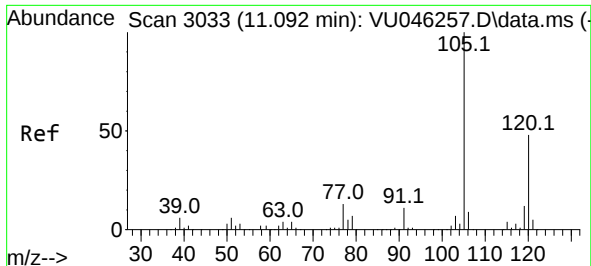
Tgt Ion: 75 Resp: 102711
Ion Ratio Lower Upper
75 100
77 31.5 26.4 39.6
110 39.7 32.4 48.6



#61
Isopropylbenzene
Concen: 49.002 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. -0.000 min
Lab File: VU046257.D
Acq: 10 Dec 2021 11:21

Tgt Ion: 105 Resp: 299118
Ion Ratio Lower Upper
105 100
120 25.7 20.7 31.1
77 15.5 12.2 18.4





#62

1,3,5-Trimethylbenzene

Concen: 49.098 ug/L

RT: 11.092 min Scan# 3033

Delta R.T. -0.000 min

Lab File: VU046257.D

Acq: 10 Dec 2021 11:21

Instrument :

MSVOA_U

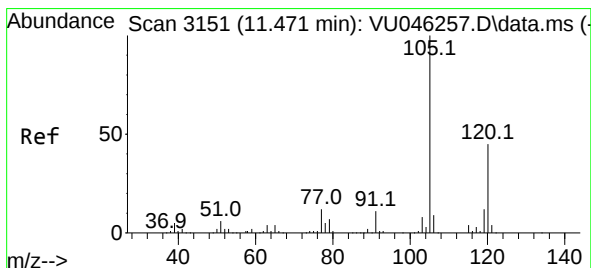
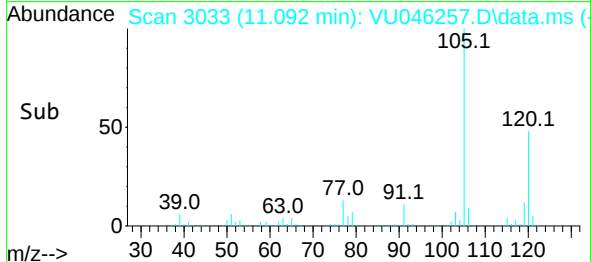
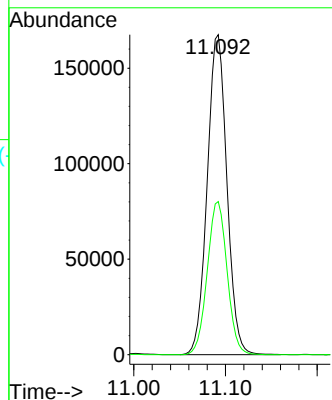
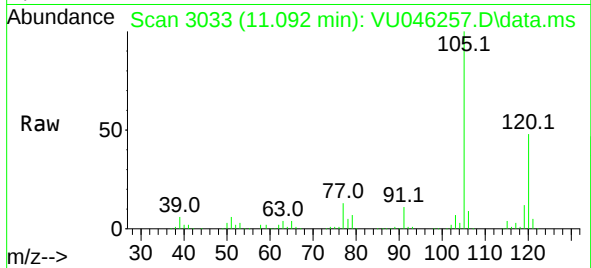
ClientSampleId :

Tgt Ion:105 Resp: 249807

Ion Ratio Lower Upper

105 100

120 48.2 37.8 56.6



#63

1,2,4-Trimethylbenzene

Concen: 50.292 ug/L

RT: 11.471 min Scan# 3151

Delta R.T. -0.000 min

Lab File: VU046257.D

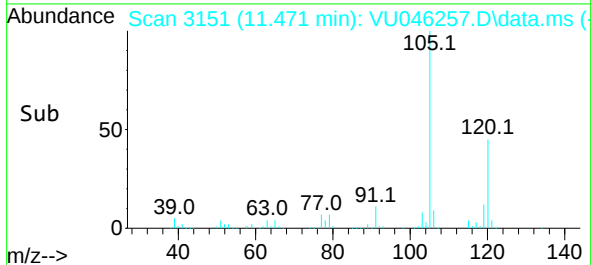
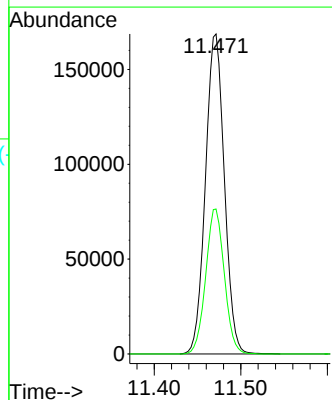
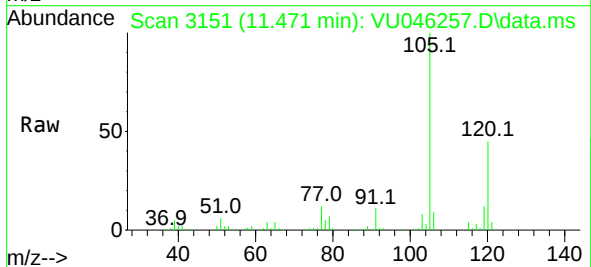
Acq: 10 Dec 2021 11:21

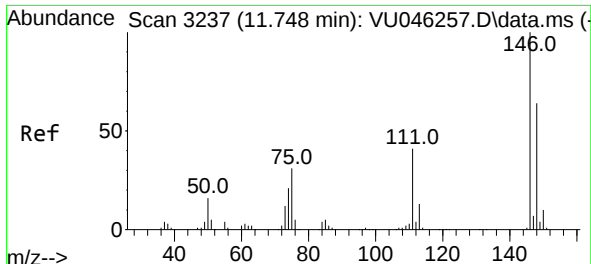
Tgt Ion:105 Resp: 256005

Ion Ratio Lower Upper

105 100

120 44.7 35.2 52.8

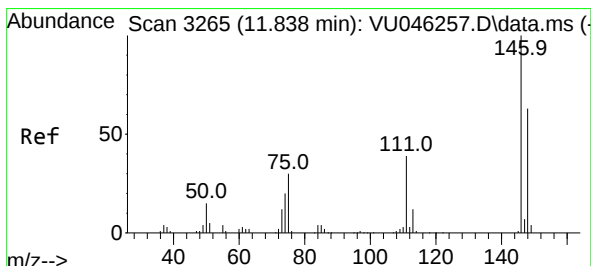
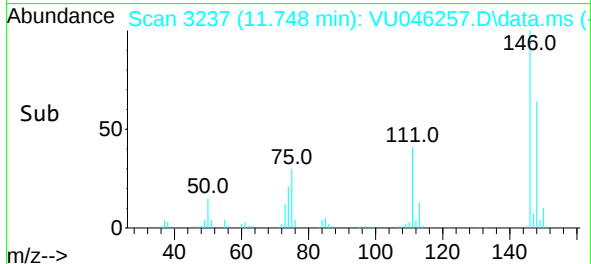
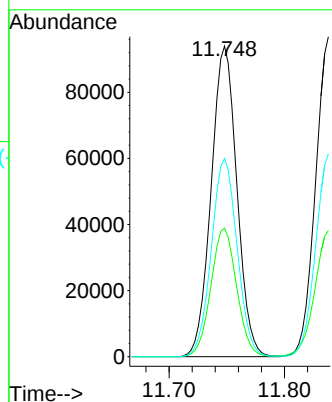
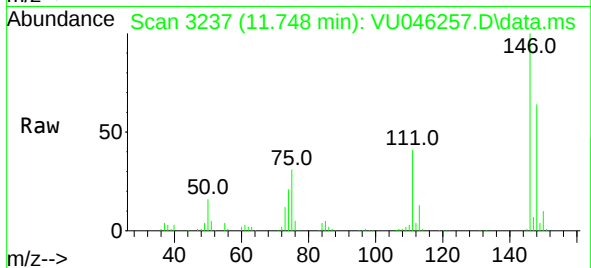




#64
1,3-Dichlorobenzene
Concen: 50.197 ug/L
RT: 11.748 min Scan# 3237
Delta R.T. -0.000 min
Lab File: VU046257.D
Acq: 10 Dec 2021 11:21

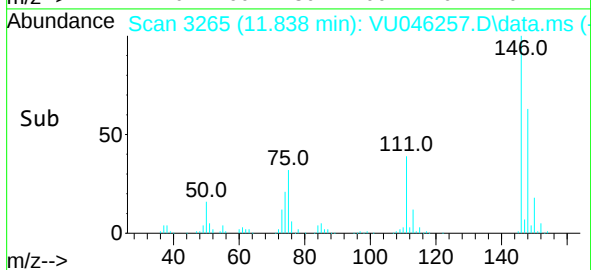
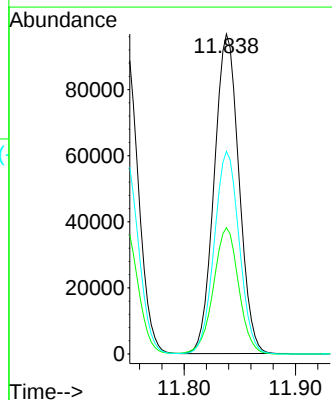
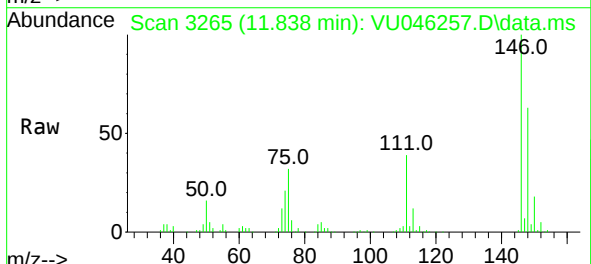
Instrument :
MSVOA_U
ClientSampleId :

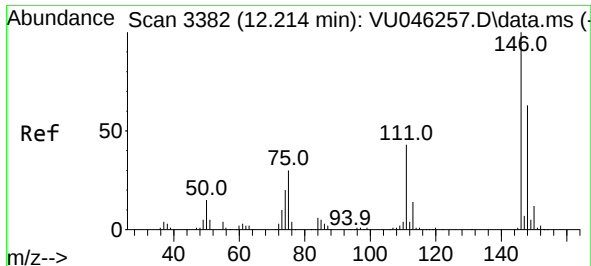
Tgt Ion:146 Resp: 145549
Ion Ratio Lower Upper
146 100
111 41.4 29.5 54.9
148 63.8 45.9 85.3



#65
1,4-Dichlorobenzene
Concen: 49.869 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. -0.000 min
Lab File: VU046257.D
Acq: 10 Dec 2021 11:21

Tgt Ion:146 Resp: 149441
Ion Ratio Lower Upper
146 100
111 39.5 28.3 52.7
148 63.3 43.8 81.3





#67

1,2-Dichlorobenzene

Concen: 50.454 ug/L

RT: 12.214 min Scan# 3382

Delta R.T. -0.000 min

Lab File: VU046257.D

Acq: 10 Dec 2021 11:21

Instrument :

MSVOA_U

ClientSampleId :

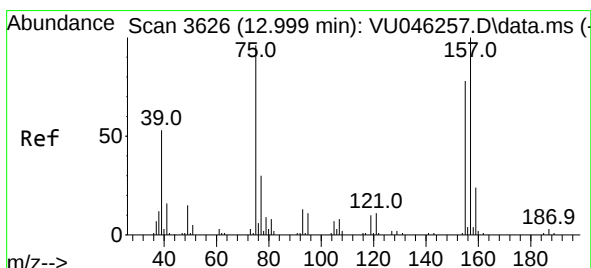
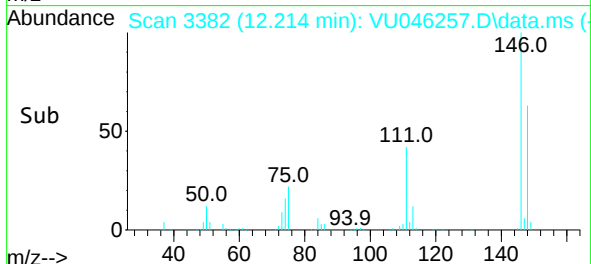
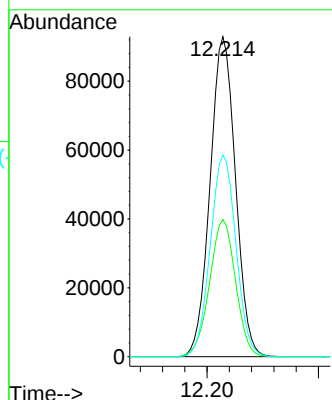
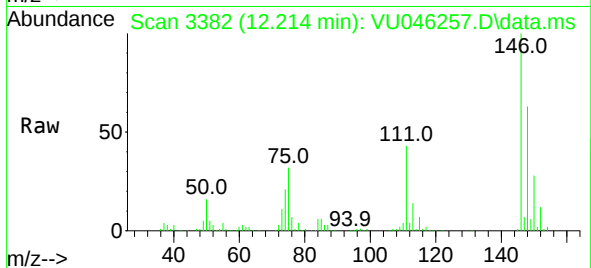
Tgt Ion:146 Resp: 147322

Ion Ratio Lower Upper

146 100

111 42.8 35.7 53.5

148 63.1 51.2 76.8



#68

1,2-Dibromo-3-chloropropane

Concen: 54.062 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. -0.000 min

Lab File: VU046257.D

Acq: 10 Dec 2021 11:21

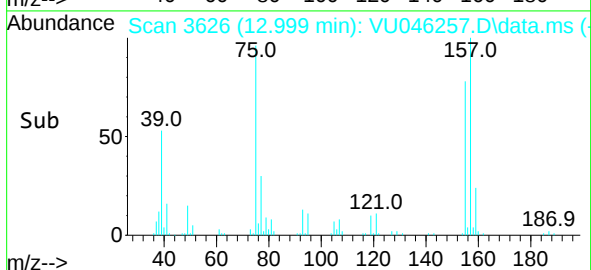
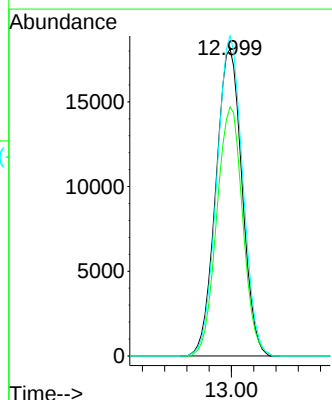
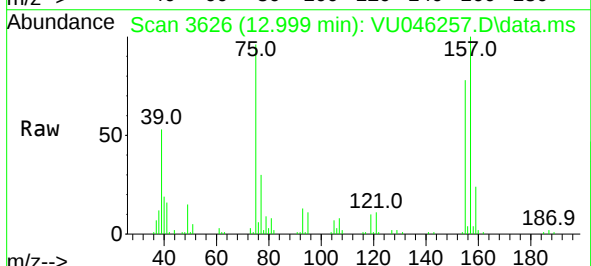
Tgt Ion: 75 Resp: 29619

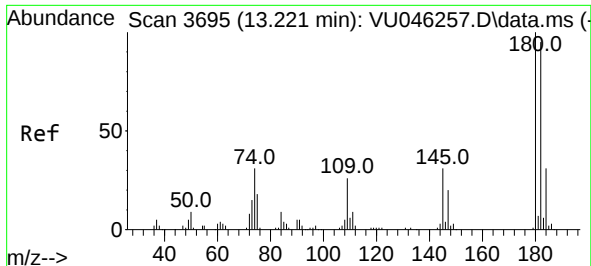
Ion Ratio Lower Upper

75 100

155 81.1 64.9 97.3

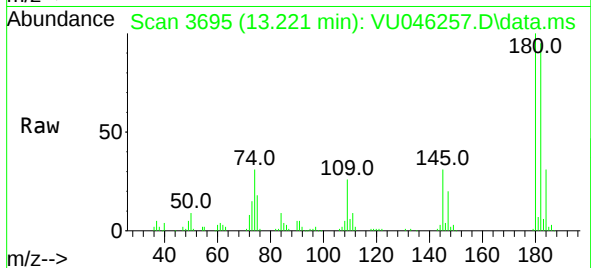
157 104.2 81.9 122.9



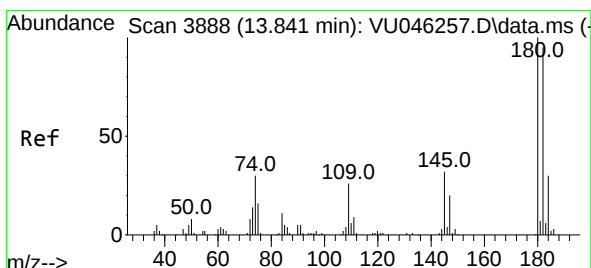
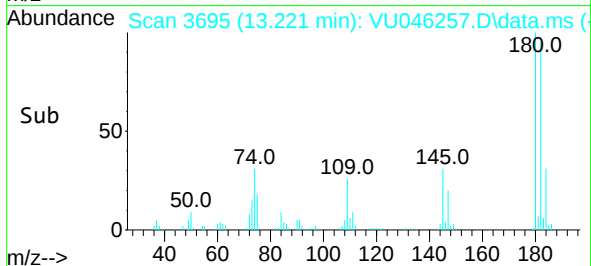
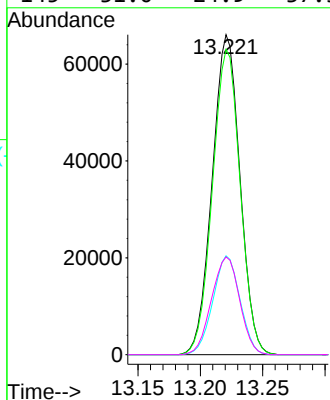


#69
 1,3,5-Trichlorobenzene
 Concen: 48.365 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. -0.000 min
 Lab File: VU046257.D
 Acq: 10 Dec 2021 11:21

Instrument :
 MSVOA_U
 ClientSampleId :

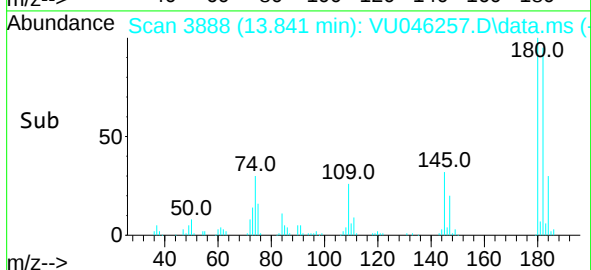
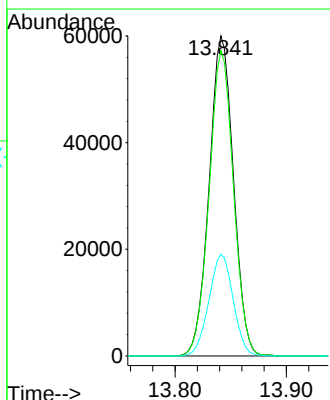
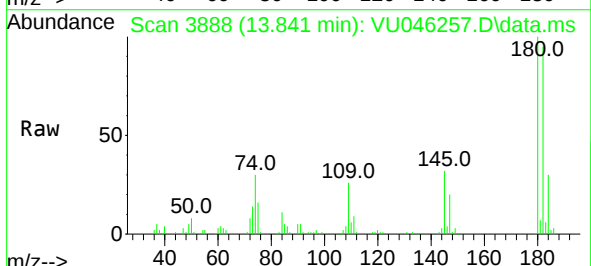


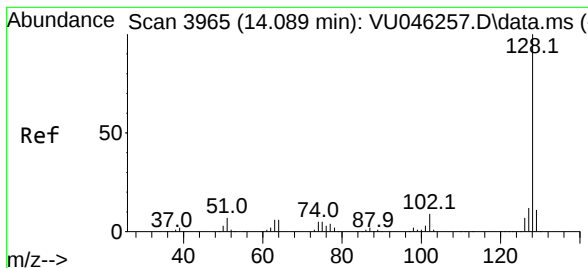
Tgt Ion:180 Resp: 102181
 Ion Ratio Lower Upper
 180 100
 182 95.3 75.9 113.9
 184 30.3 24.2 36.4
 145 31.0 24.9 37.3



#70
 1,2,4-trichlorobenzene
 Concen: 48.508 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. -0.000 min
 Lab File: VU046257.D
 Acq: 10 Dec 2021 11:21

Tgt Ion:180 Resp: 90944
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.7 115.1
 145 31.7 26.0 39.0





#71

Naphthalene

Concen: 54.181 ug/L

RT: 14.089 min Scan# 3965

Delta R.T. -0.000 min

Lab File: VU046257.D

Acq: 10 Dec 2021 11:21

Instrument :

MSVOA_U

ClientSampleId :

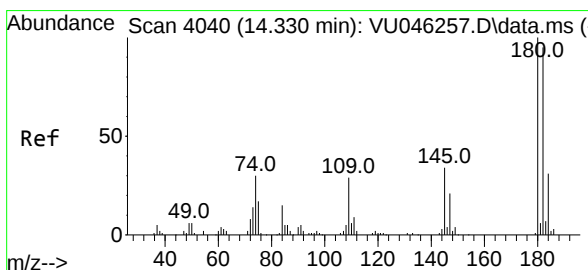
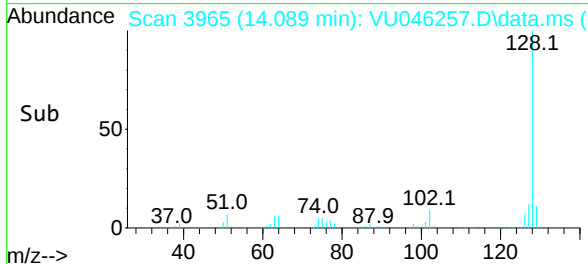
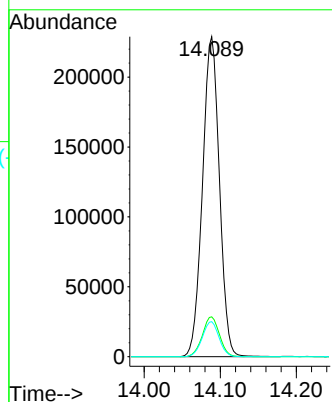
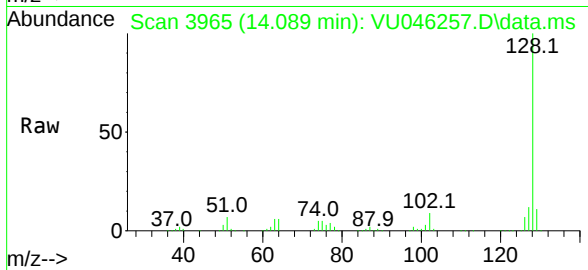
Tgt Ion:128 Resp: 353481

Ion Ratio Lower Upper

128 100

127 12.6 10.1 15.1

129 10.8 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 51.915 ug/L

RT: 14.330 min Scan# 4040

Delta R.T. -0.000 min

Lab File: VU046257.D

Acq: 10 Dec 2021 11:21

Tgt Ion:180 Resp: 99252

Ion Ratio Lower Upper

180 100

182 95.1 76.0 114.0

145 33.8 27.3 40.9

