

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU113021\
 Data File : VU046031.D
 Acq On : 30 Nov 2021 17:19
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 01 00:35:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 01 00:33:27 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	185681	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	184249	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	98298	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	68050	44.490	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.980%
7) Chloroethane-d5	1.919	69	55211	47.013	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.020%
11) 1,1-Dichloroethene-d2	2.575	63	122611	44.654	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.300%
21) 2-Butanone-d5	4.646	46	128035	105.299	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.300%
24) Chloroform-d	5.067	84	127273	49.828	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.660%
26) 1,2-Dichloroethane-d4	5.707	65	84196	49.117	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.240%
32) Benzene-d6	5.732	84	256946	48.656	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.320%
36) 1,2-Dichloropropane-d6	6.694	67	80619	49.259	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.520%
41) Toluene-d8	7.899	98	234454	48.761	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.520%
43) trans-1,3-Dichloroprop...	8.182	79	40065	50.711	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.420%
47) 2-Hexanone-d5	8.636	63	87796	113.140	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.140%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	125910	50.729	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.460%
66) 1,2-Dichlorobenzene-d4	12.195	152	92691	48.964	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.920%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	92820	45.947	ug/L	99
3) Chloromethane	1.523	50	86413	47.824	ug/L	98
5) Vinyl chloride	1.607	62	84423	46.338	ug/L	100
6) Bromomethane	1.864	94	52832	51.162	ug/L	99
8) Chloroethane	1.941	64	50784	48.142	ug/L	98
9) Trichlorofluoromethane	2.144	101	112882	47.457	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	63472	46.978	ug/L	100
12) 1,1-Dichloroethene	2.585	96	60733	47.304	ug/L	97
13) Acetone	2.671	43	112442	73.993	ug/L	97
14) Carbon disulfide	2.800	76	184470	46.311	ug/L	100
15) Methyl Acetate	2.961	43	91970	51.917	ug/L	97
16) Methylene chloride	3.051	84	75432	49.382	ug/L	99
17) trans-1,2-Dichloroethene	3.359	96	65679	48.340	ug/L	99
18) Methyl tert-butyl Ether	3.369	73	231044	55.178	ug/L	99
19) 1,1-Dichloroethane	3.877	63	123902	50.155	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	76474	51.873	ug/L	99
22) 2-Butanone	4.726	43	147662	89.262	ug/L	96
23) Bromochloromethane	4.980	128	38966	52.333	ug/L	94
25) Chloroform	5.092	83	134967	49.172	ug/L	98

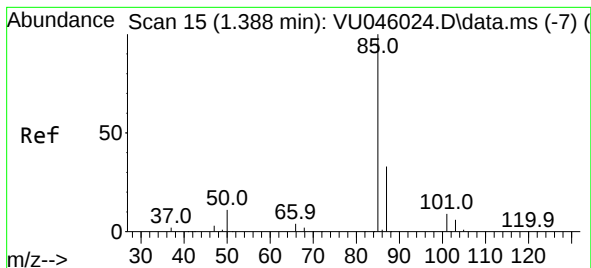
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU113021\
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 01 00:33:27 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	105884	51.986	ug/L	99
29) Cyclohexane	5.395	56	105938	49.378	ug/L	100
30) 1,1,1-Trichloroethane	5.321	97	112516	49.749	ug/L	98
31) Carbon tetrachloride	5.530	117	92619	48.238	ug/L	97
33) Benzene	5.777	78	284006	50.929	ug/L	100
34) Trichloroethene	6.546	95	73348	49.928	ug/L	98
35) Methylcyclohexane	6.768	83	111257	48.842	ug/L	99
37) 1,2-Dichloropropane	6.793	63	74512	51.007	ug/L	100
38) Bromodichloromethane	7.108	83	98862	50.917	ug/L	97
39) cis-1,3-Dichloropropene	7.610	75	116019	52.206	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	238867	111.293	ug/L	99
42) Toluene	7.970	91	305263	51.015	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	116782	53.504	ug/L	97
45) 1,1,2-Trichloroethane	8.404	97	76092	51.920	ug/L	99
46) Tetrachloroethene	8.555	164	53654	49.698	ug/L	99
48) 2-Hexanone	8.687	43	197239	102.757	ug/L	98
49) Dibromochloromethane	8.813	129	80655	52.407	ug/L	98
50) 1,2-Dibromoethane	8.925	107	83873	52.786	ug/L #	98
51) Chlorobenzene	9.449	112	191609	49.496	ug/L	99
52) Ethylbenzene	9.571	91	329801	51.213	ug/L	99
53) m,p-Xylene	9.697	106	129764	51.669	ug/L	99
54) o-xylene	10.102	106	125780	51.614	ug/L	100
55) Styrene	10.115	104	220354	52.963	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.784	83	131457	52.319	ug/L	99
59) Bromoform	10.292	173	59954	51.992	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	111865	51.915	ug/L	98
61) Isopropylbenzene	10.488	105	331759	51.872	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	289066	54.225	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	289060	54.197	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	154427	50.832	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	157035	50.015	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	155071	50.687	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	31090	54.161	ug/L	99
69) 1,3,5-Trichlorobenzene	13.221	180	113659	51.345	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	104356	53.125	ug/L	99
71) Naphthalene	14.086	128	403362	59.009	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	108268	54.049	ug/L	99

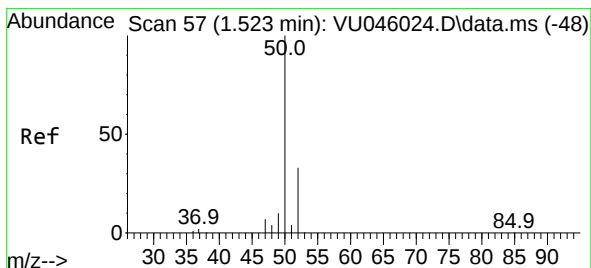
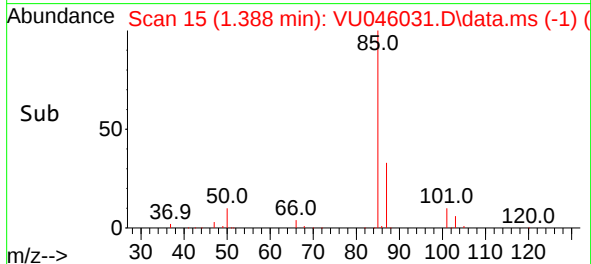
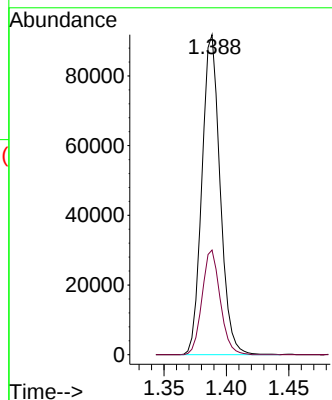
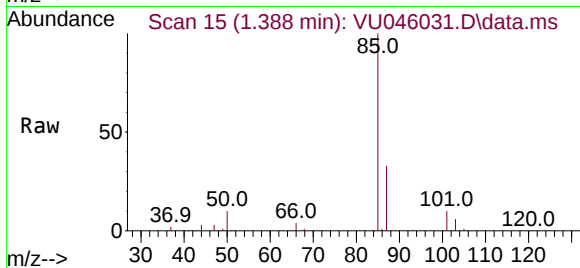
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 45.947 ug/L
RT: 1.388 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU046031.D
Acq: 30 Nov 2021 17:19

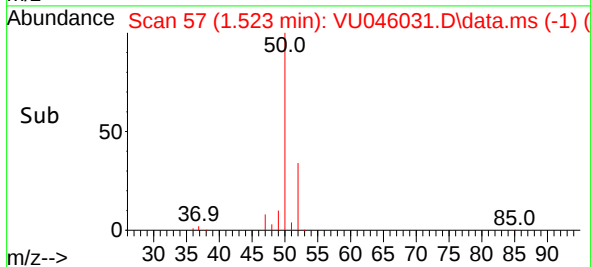
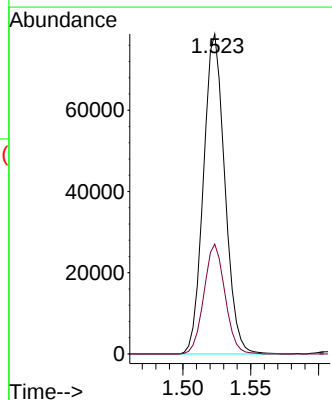
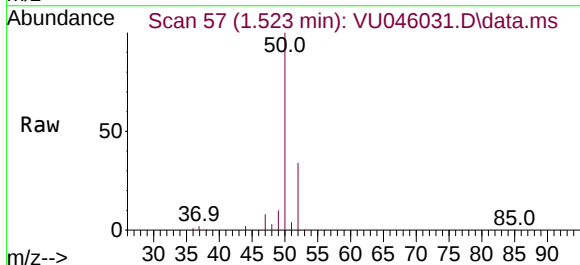
Instrument :
MSVOA_U
ClientSampleId :

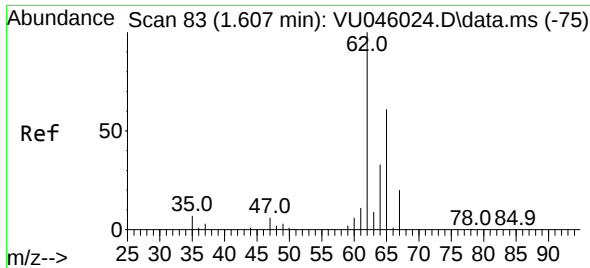
Tgt Ion: 85 Resp: 92820
Ion Ratio Lower Upper
85 100
87 32.6 25.7 38.5



#3
Chloromethane
Concen: 47.824 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU046031.D
Acq: 30 Nov 2021 17:19

Tgt Ion: 50 Resp: 86413
Ion Ratio Lower Upper
50 100
52 34.3 23.2 43.2

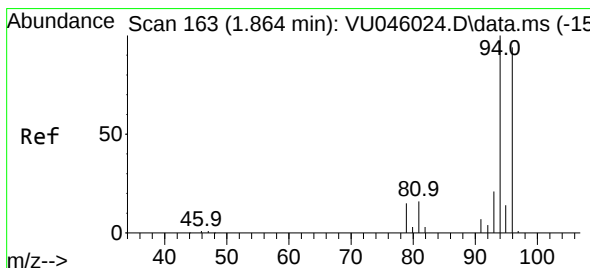
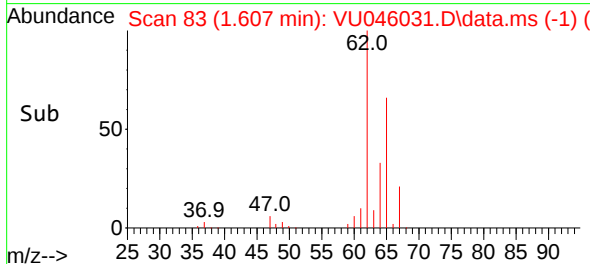
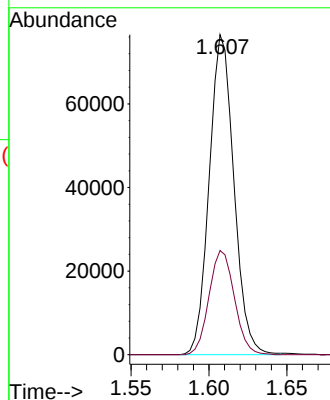
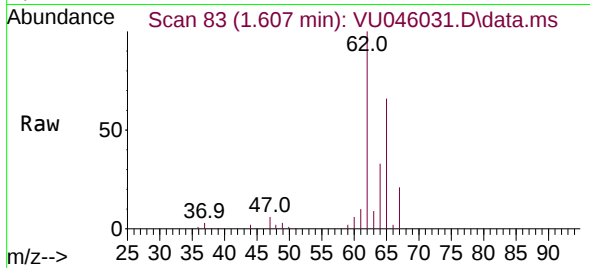




#5
 Vinyl chloride
 Concen: 46.338 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU046031.D
 Acq: 30 Nov 2021 17:19

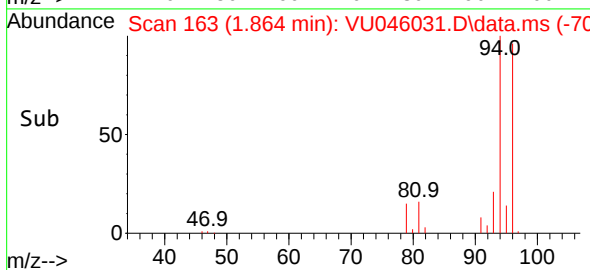
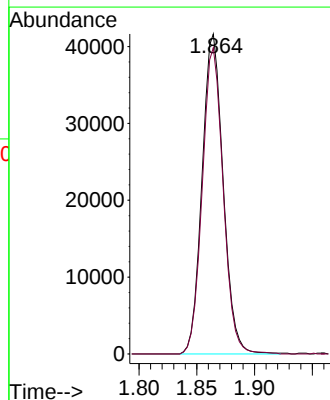
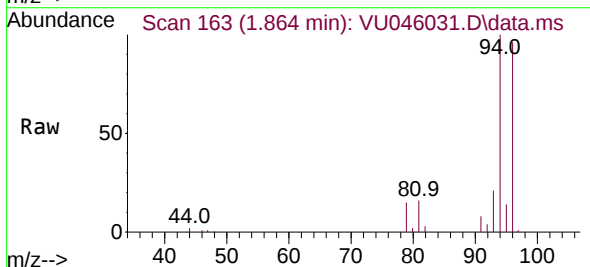
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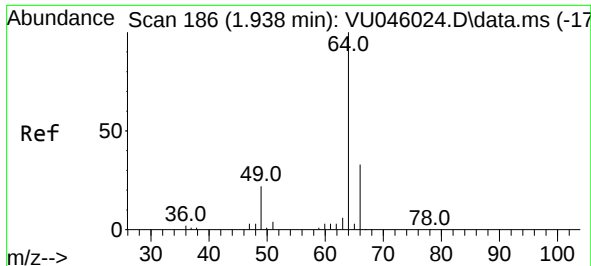
Tgt Ion: 62 Resp: 84423
 Ion Ratio Lower Upper
 62 100
 64 32.5 22.9 42.5



#6
 Bromomethane
 Concen: 51.162 ug/L
 RT: 1.864 min Scan# 163
 Delta R.T. 0.000 min
 Lab File: VU046031.D
 Acq: 30 Nov 2021 17:19

Tgt Ion: 94 Resp: 52832
 Ion Ratio Lower Upper
 94 100
 96 95.7 67.4 125.2

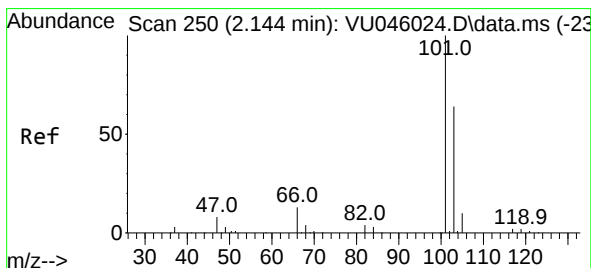
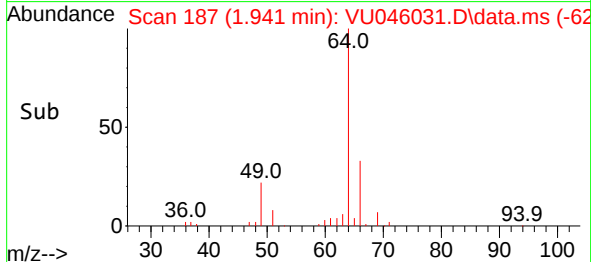
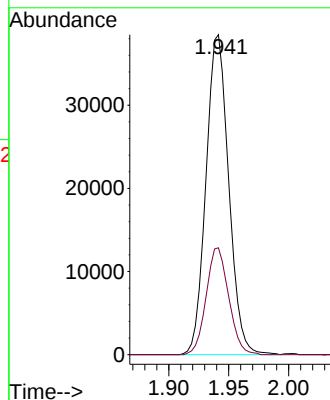
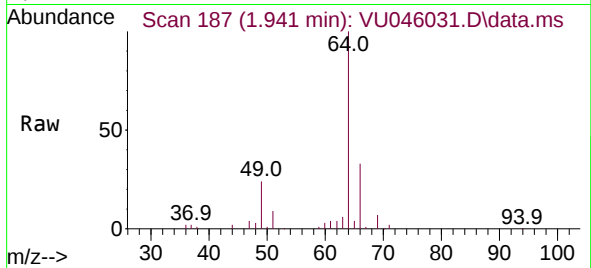




#8
Chloroethane
Concen: 48.142 ug/L
RT: 1.941 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU046031.D
Acq: 30 Nov 2021 17:19

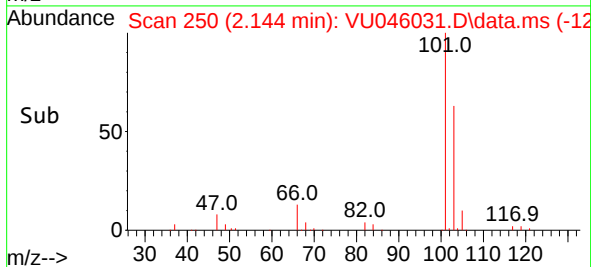
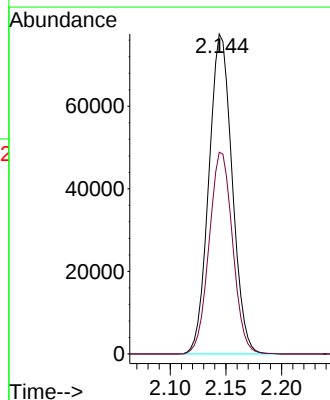
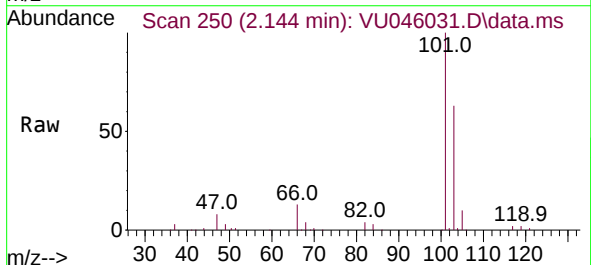
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MSVOA_U
ClientSampleId :

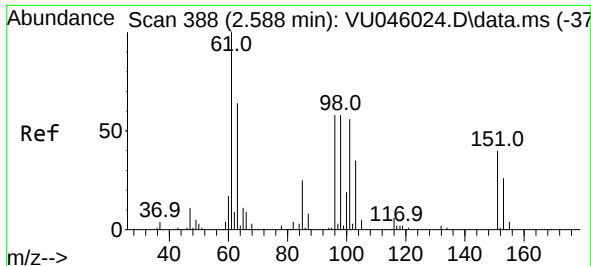
Tgt Ion: 64 Resp: 50784
Ion Ratio Lower Upper
64 100
66 33.4 22.5 41.9



#9
Trichlorofluoromethane
Concen: 47.457 ug/L
RT: 2.144 min Scan# 250
Delta R.T. 0.000 min
Lab File: VU046031.D
Acq: 30 Nov 2021 17:19

Tgt Ion:101 Resp: 112882
Ion Ratio Lower Upper
101 100
103 63.5 51.8 77.6

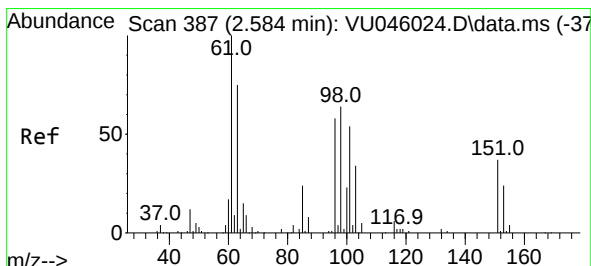
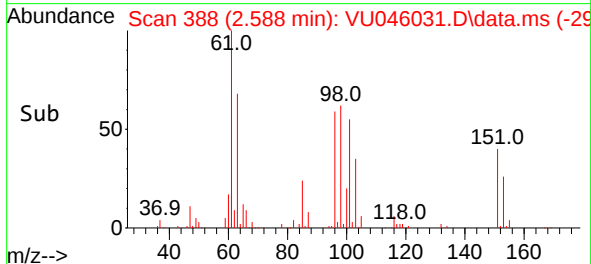
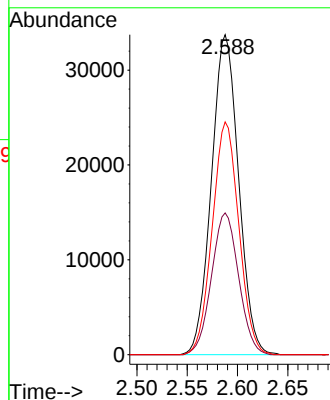
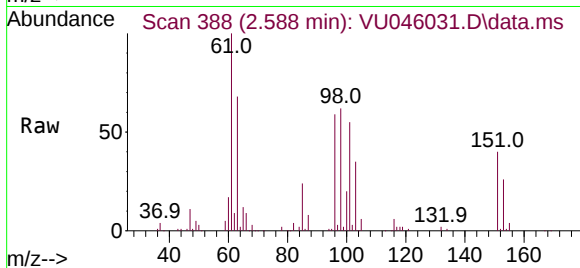




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 46.978 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. 0.000 min
 Lab File: VU046031.D
 Acq: 30 Nov 2021 17:19

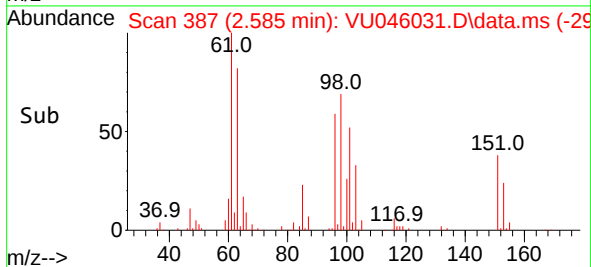
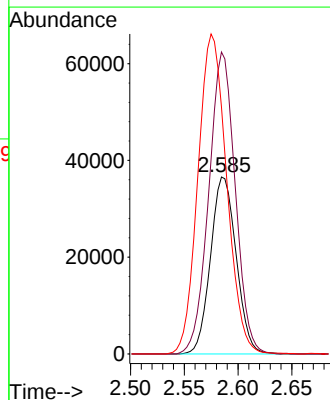
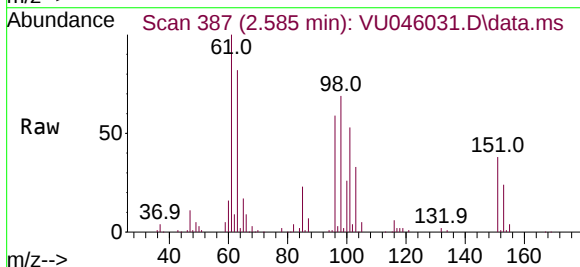
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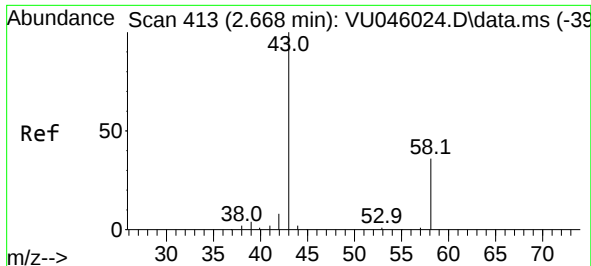
Tgt Ion:101 Resp: 63472
 Ion Ratio Lower Upper
 101 100
 85 44.2 35.1 52.7
 151 71.2 56.7 85.1



#12
 1,1-Dichloroethene
 Concen: 47.304 ug/L
 RT: 2.585 min Scan# 387
 Delta R.T. 0.000 min
 Lab File: VU046031.D
 Acq: 30 Nov 2021 17:19

Tgt Ion: 96 Resp: 60733
 Ion Ratio Lower Upper
 96 100
 61 170.6 118.6 220.2
 63 139.5 93.0 172.8





#13

Acetone

Concen: 73.993 ug/L

RT: 2.671 min Scan# 413

Delta R.T. 0.003 min

Lab File: VU046031.D

Acq: 30 Nov 2021 17:19

Instrument :

MSVOA_U

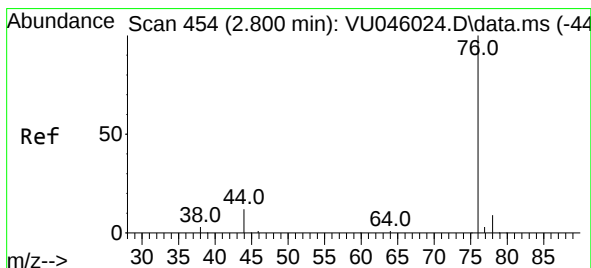
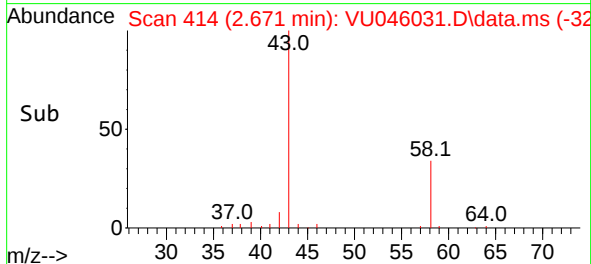
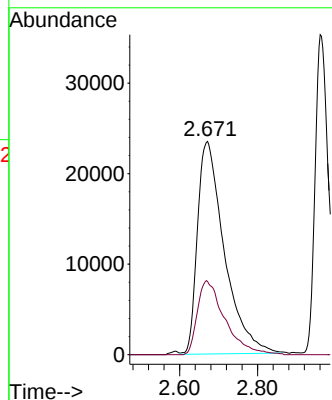
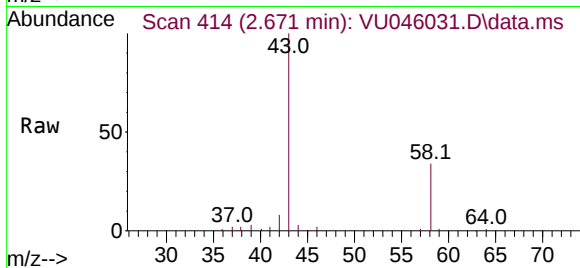
ClientSampleId :

Tgt Ion: 43 Resp: 112442

Ion Ratio Lower Upper

43 100

58 35.0 0.0 66.8



#14

Carbon disulfide

Concen: 46.311 ug/L

RT: 2.800 min Scan# 454

Delta R.T. 0.000 min

Lab File: VU046031.D

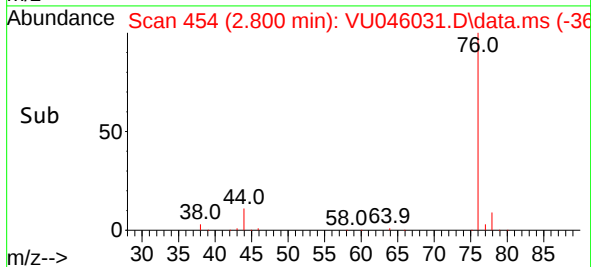
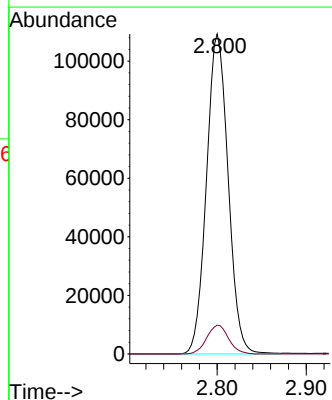
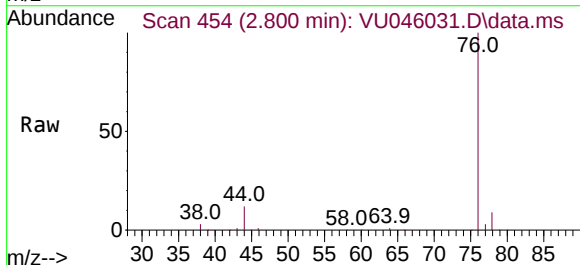
Acq: 30 Nov 2021 17:19

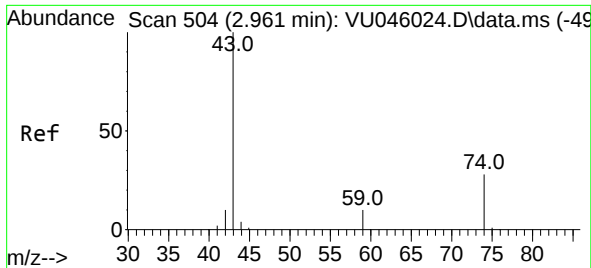
Tgt Ion: 76 Resp: 184470

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9

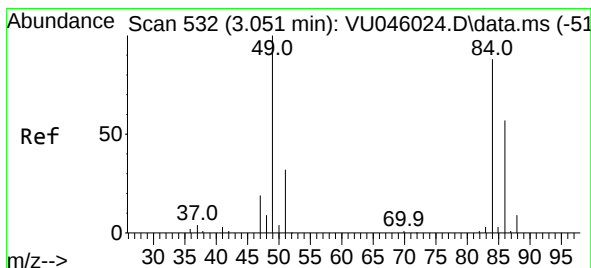
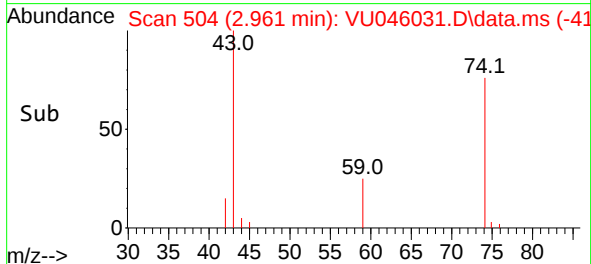
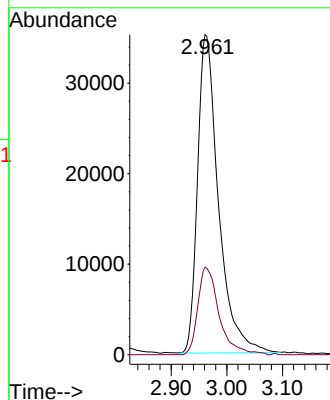
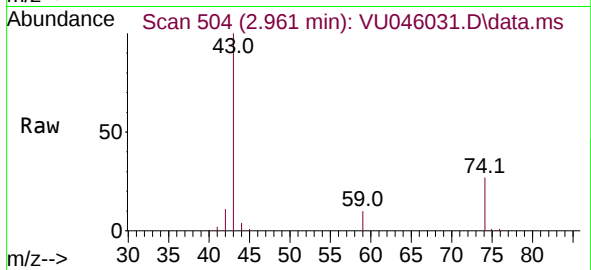




#15
Methyl Acetate
Concen: 51.917 ug/L
RT: 2.961 min Scan# 504
Delta R.T. 0.000 min
Lab File: VU046031.D
Acq: 30 Nov 2021 17:19

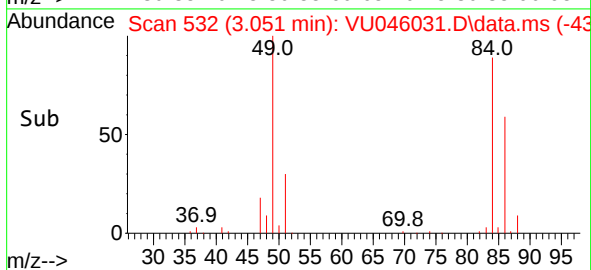
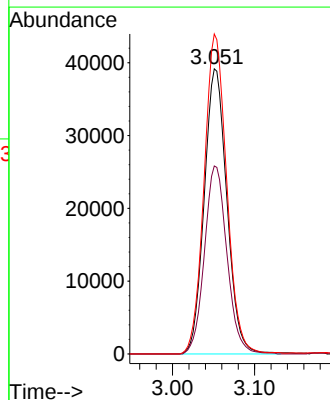
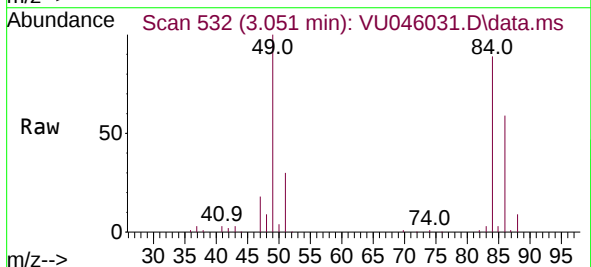
Instrument :
MSVOA_U
ClientSampleId :

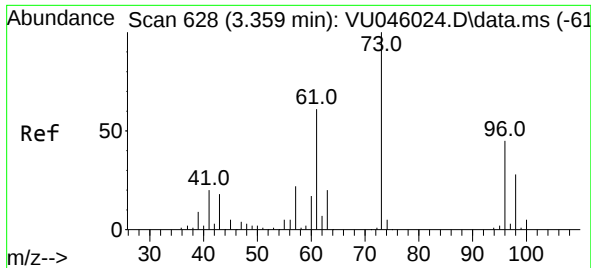
Tgt Ion: 43 Resp: 91970
Ion Ratio Lower Upper
43 100
74 27.5 20.8 31.2



#16
Methylene chloride
Concen: 49.382 ug/L
RT: 3.051 min Scan# 532
Delta R.T. 0.000 min
Lab File: VU046031.D
Acq: 30 Nov 2021 17:19

Tgt Ion: 84 Resp: 75432
Ion Ratio Lower Upper
84 100
86 66.0 44.7 83.1
49 112.2 78.4 145.6





#17

trans-1,2-Dichloroethene

Concen: 48.340 ug/L

RT: 3.359 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU046031.D

Acq: 30 Nov 2021 17:19

Instrument :

MSVOA_U

ClientSampleId :

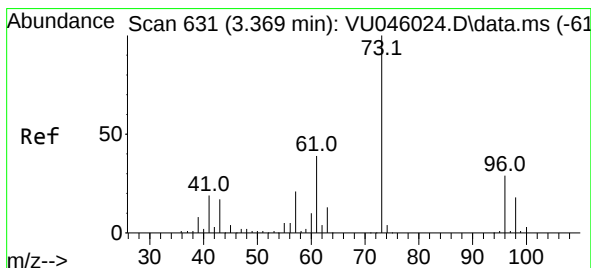
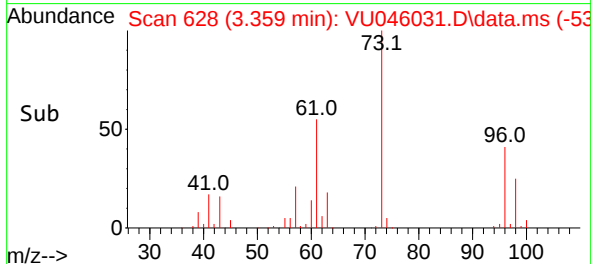
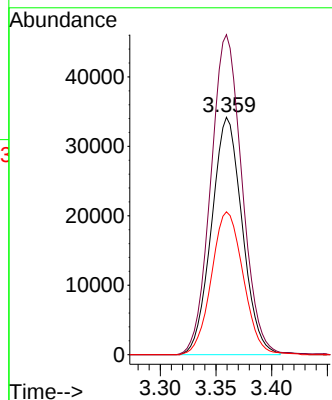
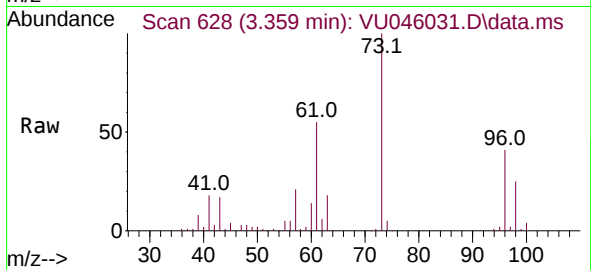
Tgt Ion: 96 Resp: 65679

Ion Ratio Lower Upper

96 100

61 134.8 94.6 175.6

98 60.2 44.0 81.8



#18

Methyl tert-butyl Ether

Concen: 55.178 ug/L

RT: 3.369 min Scan# 631

Delta R.T. 0.000 min

Lab File: VU046031.D

Acq: 30 Nov 2021 17:19

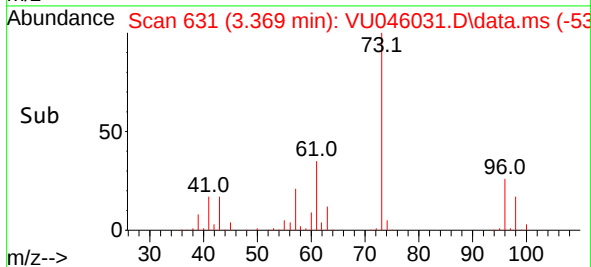
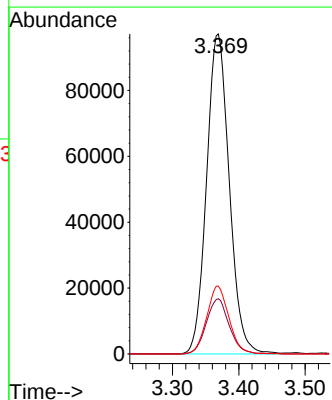
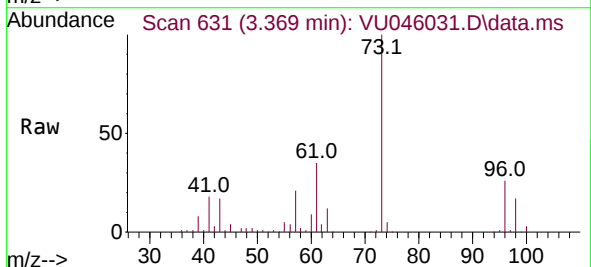
Tgt Ion: 73 Resp: 231044

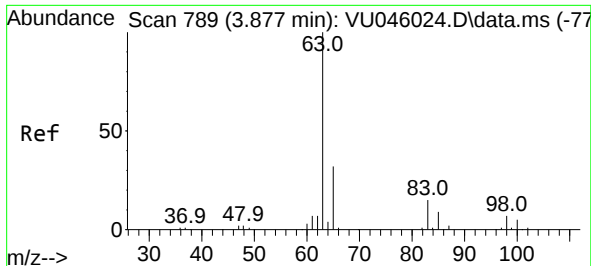
Ion Ratio Lower Upper

73 100

43 17.3 14.0 21.0

57 20.7 17.0 25.4





#19

1,1-Dichloroethane

Concen: 50.155 ug/L

RT: 3.877 min Scan# 789

Delta R.T. 0.000 min

Lab File: VU046031.D

Acq: 30 Nov 2021 17:19

Instrument :

MSVOA_U

ClientSampleId :

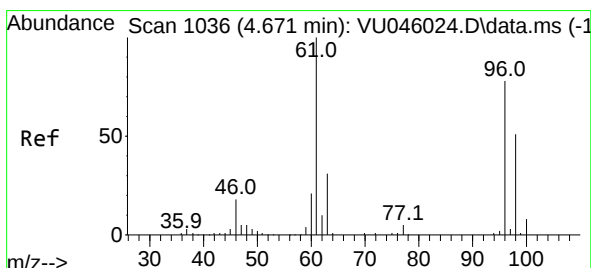
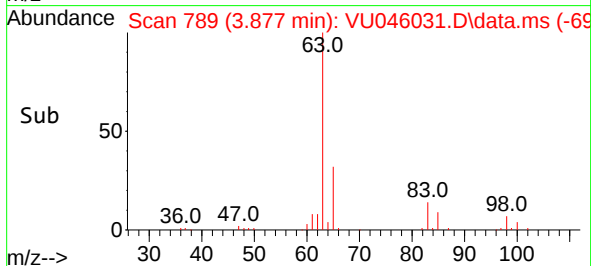
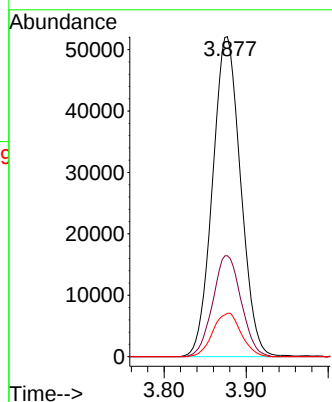
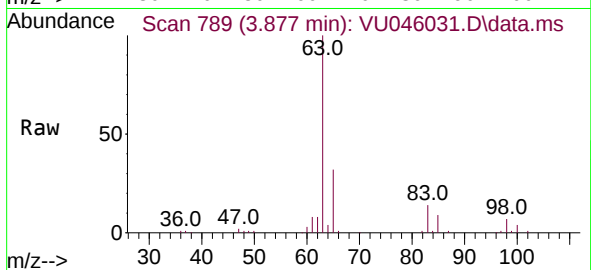
Tgt Ion: 63 Resp: 123902

Ion Ratio Lower Upper

63 100

65 31.6 22.8 42.4

83 13.6 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 51.873 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU046031.D

Acq: 30 Nov 2021 17:19

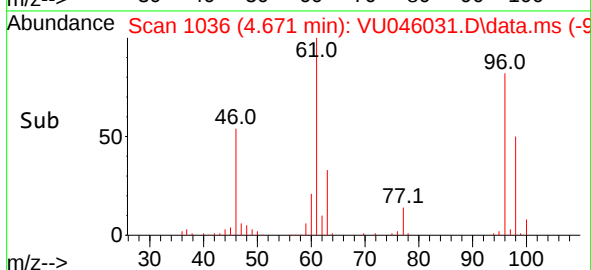
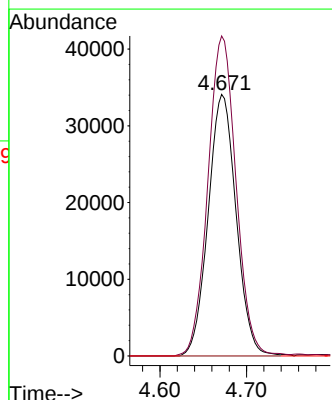
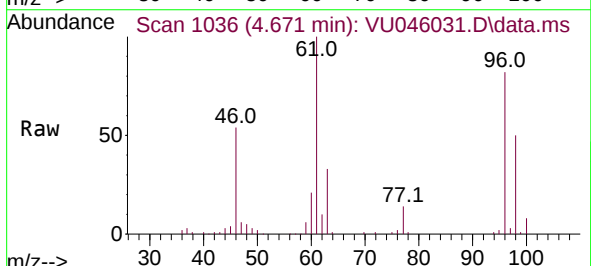
Tgt Ion: 96 Resp: 76474

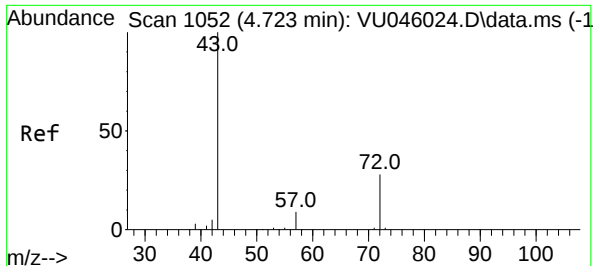
Ion Ratio Lower Upper

96 100

61 122.3 86.8 161.2

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 89.262 ug/L

RT: 4.726 min Scan# 1052

Delta R.T. 0.003 min

Lab File: VU046031.D

Acq: 30 Nov 2021 17:19

Instrument :

MSVOA_U

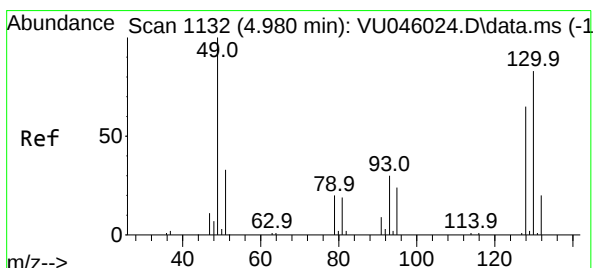
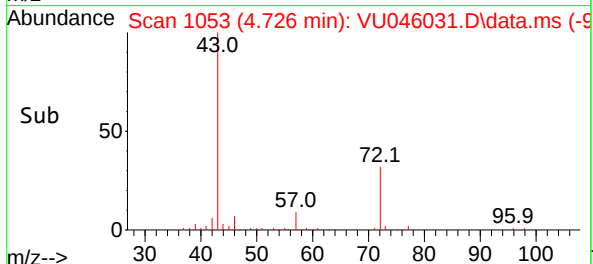
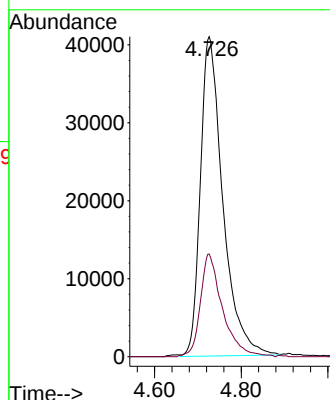
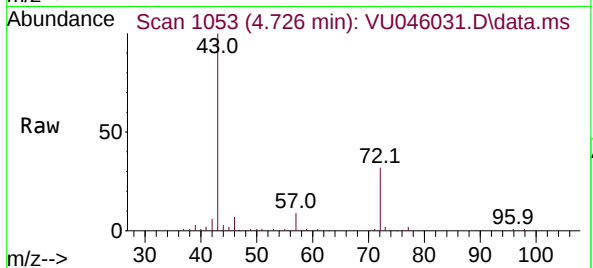
ClientSampleId :

Tgt Ion: 43 Resp: 147662

Ion Ratio Lower Upper

43 100

72 31.5 14.5 43.6



#23

Bromochloromethane

Concen: 52.333 ug/L

RT: 4.980 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VU046031.D

Acq: 30 Nov 2021 17:19

Tgt Ion:128 Resp: 38966

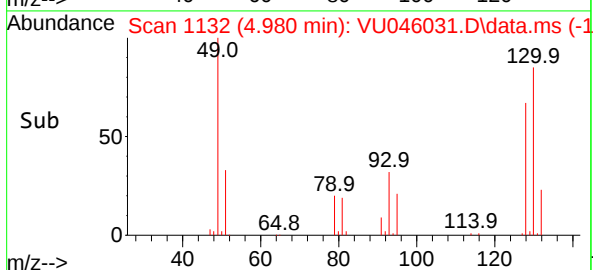
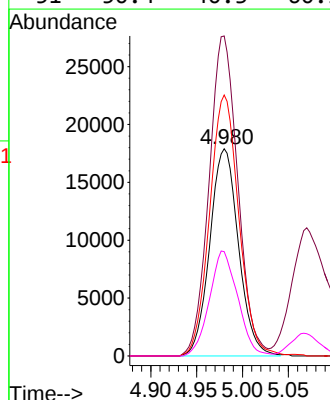
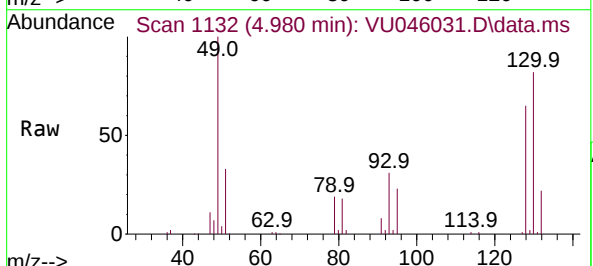
Ion Ratio Lower Upper

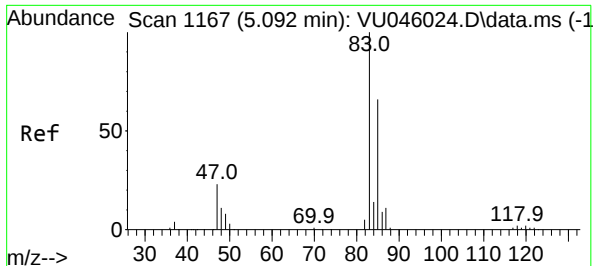
128 100

49 154.5 115.9 215.3

130 126.0 91.8 170.4

51 50.4 40.3 60.5





#25

Chloroform

Concen: 49.172 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. 0.000 min

Lab File: VU046031.D

Acq: 30 Nov 2021 17:19

Instrument :

MSVOA_U

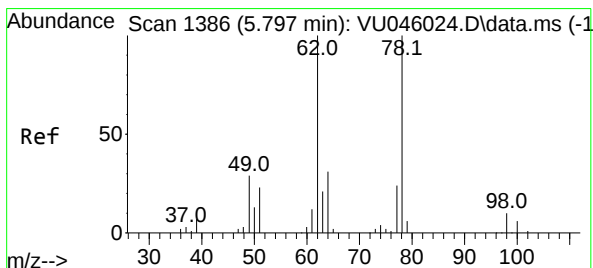
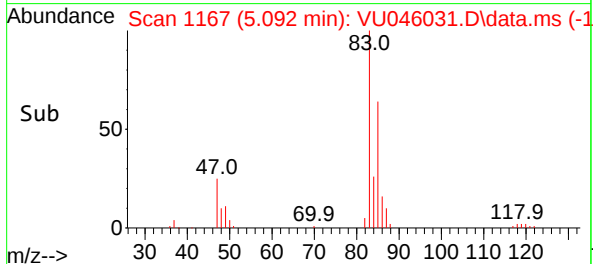
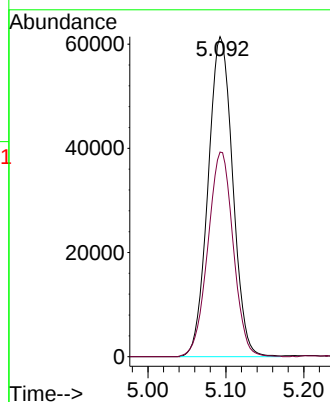
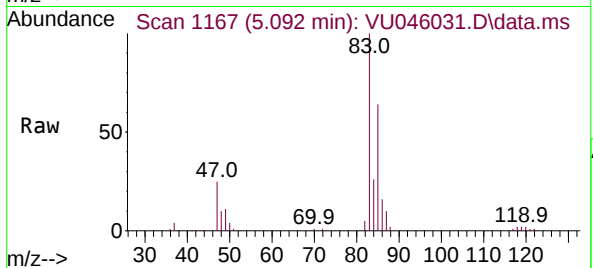
ClientSampleId :

Tgt Ion: 83 Resp: 134967

Ion Ratio Lower Upper

83 100

85 63.9 45.8 85.2



#27

1,2-Dichloroethane

Concen: 51.986 ug/L

RT: 5.797 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VU046031.D

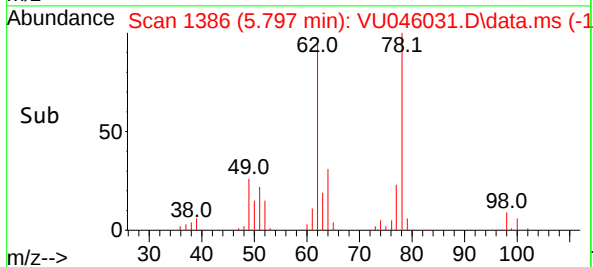
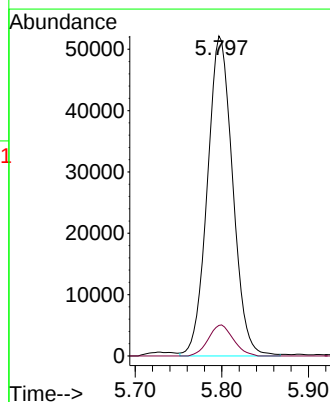
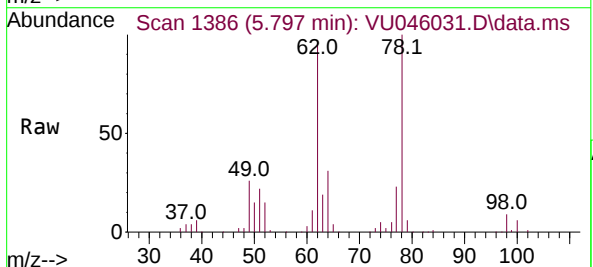
Acq: 30 Nov 2021 17:19

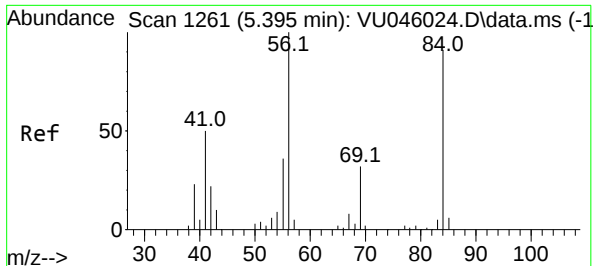
Tgt Ion: 62 Resp: 105884

Ion Ratio Lower Upper

62 100

98 9.5 7.9 11.9





#29

Cyclohexane

Concen: 49.378 ug/L

RT: 5.395 min Scan# 1261

Delta R.T. 0.000 min

Lab File: VU046031.D

Acq: 30 Nov 2021 17:19

Instrument :

MSVOA_U

ClientSampleId :

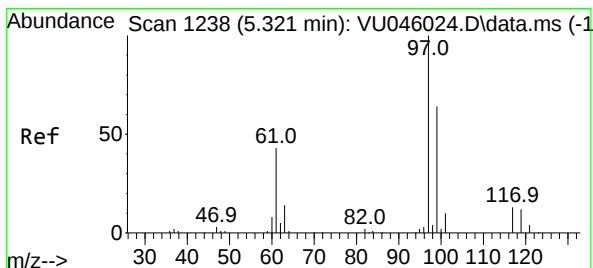
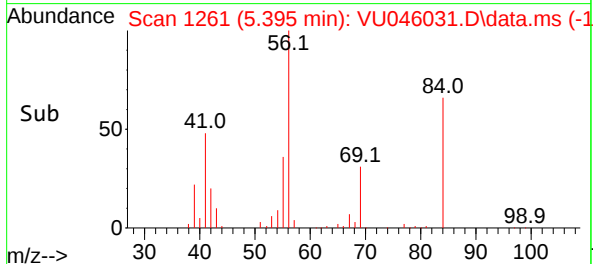
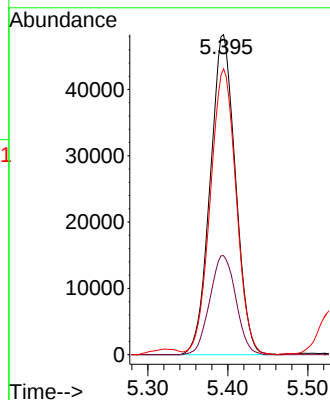
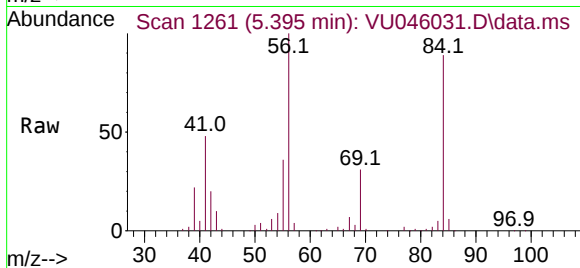
Tgt Ion: 56 Resp: 105938

Ion Ratio Lower Upper

56 100

69 31.9 25.2 37.8

84 91.5 73.3 109.9



#30

1,1,1-Trichloroethane

Concen: 49.749 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VU046031.D

Acq: 30 Nov 2021 17:19

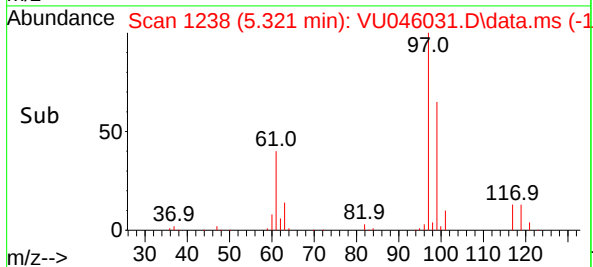
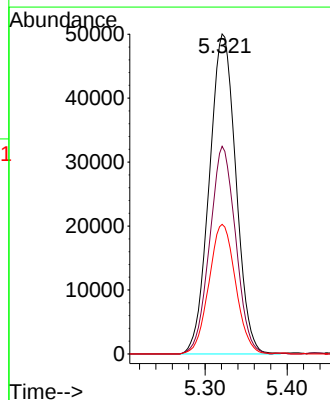
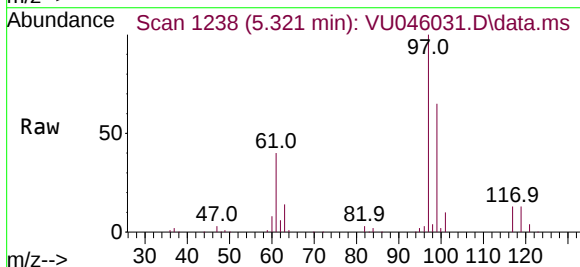
Tgt Ion: 97 Resp: 112516

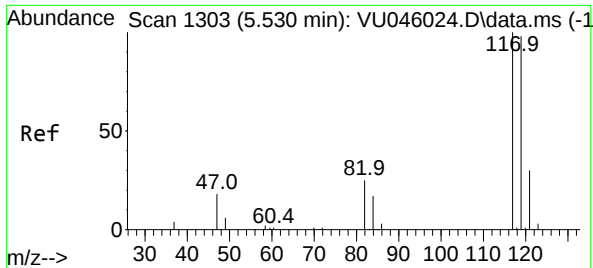
Ion Ratio Lower Upper

97 100

99 63.4 51.8 77.6

61 40.7 34.4 51.6

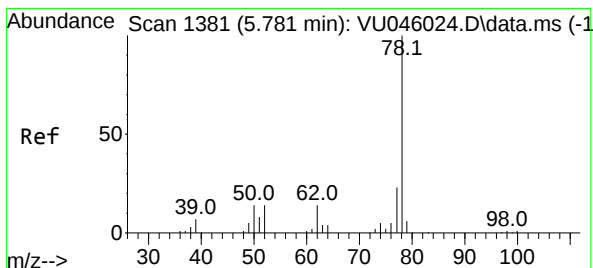
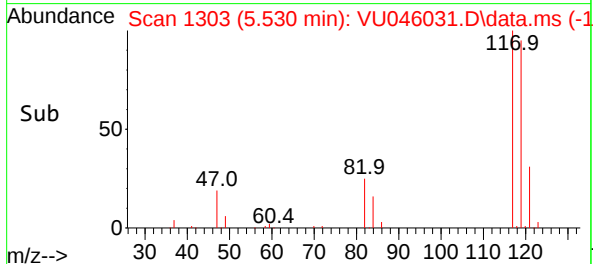
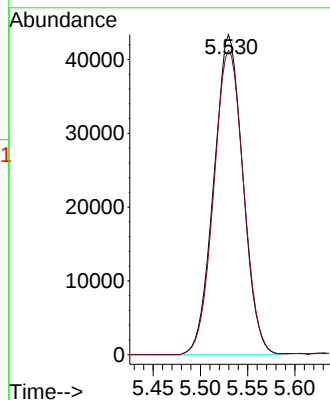
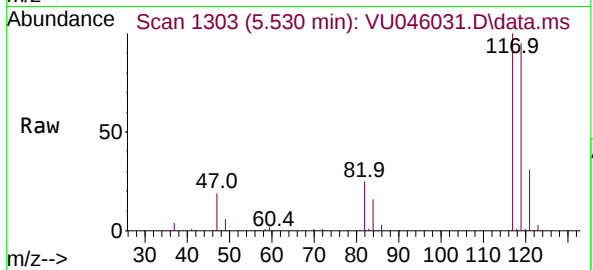




#31
Carbon tetrachloride
Concen: 48.238 ug/L
RT: 5.530 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU046031.D
Acq: 30 Nov 2021 17:19

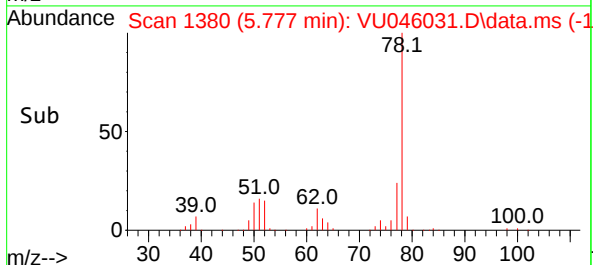
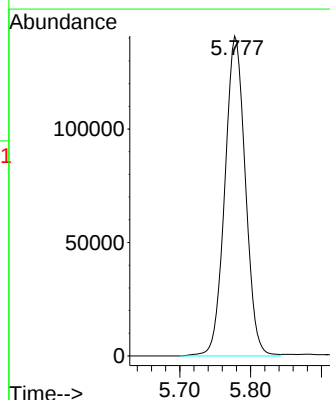
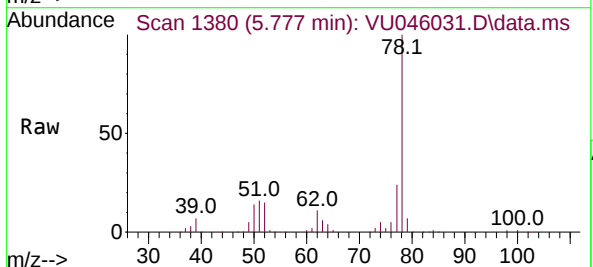
Instrument :
MSVOA_U
ClientSampleId :

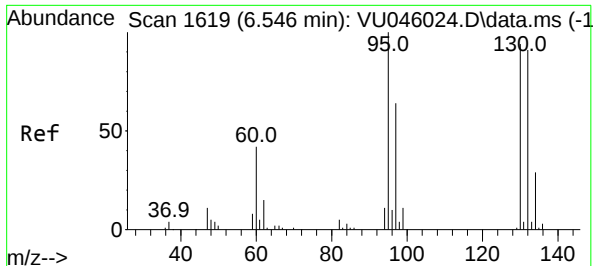
Tgt Ion:117 Resp: 92619
Ion Ratio Lower Upper
117 100
119 97.3 75.7 113.5



#33
Benzene
Concen: 50.929 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.003 min
Lab File: VU046031.D
Acq: 30 Nov 2021 17:19

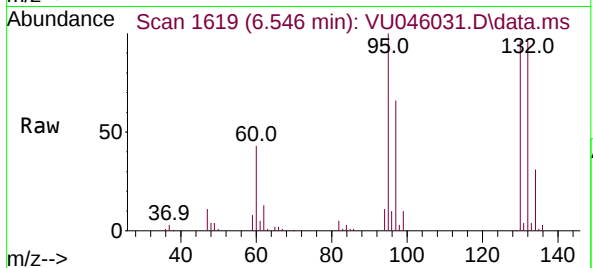
Tgt Ion: 78 Resp: 284006



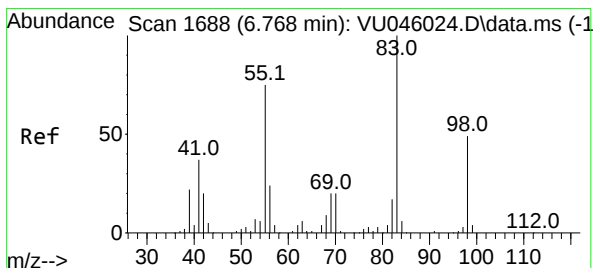
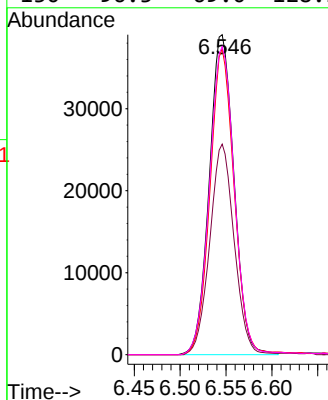
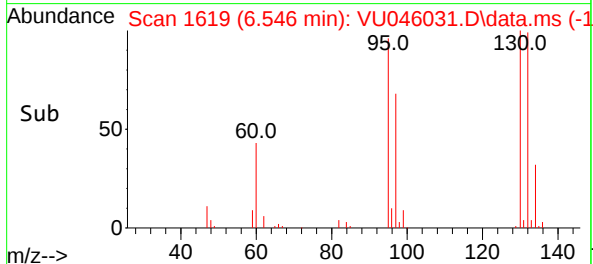


#34
Trichloroethene
Concen: 49.928 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU046031.D
Acq: 30 Nov 2021 17:19

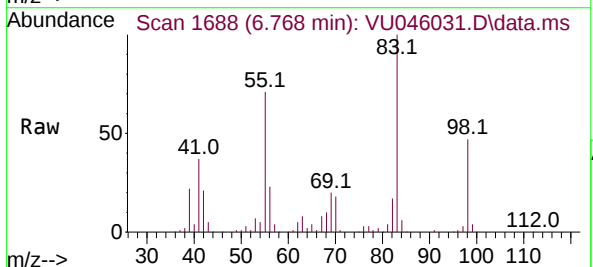
Instrument :
MSVOA_U
ClientSampleId :



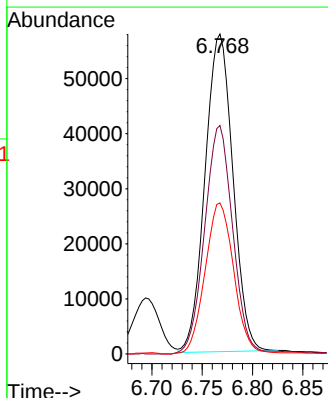
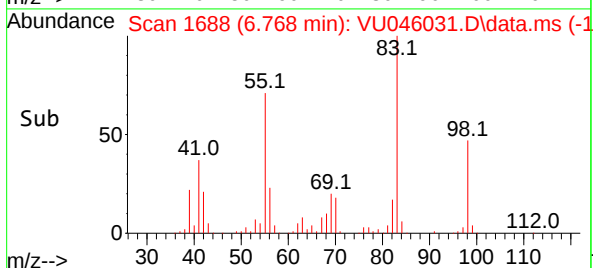
Tgt Ion: 95 Resp: 73348
Ion Ratio Lower Upper
95 100
97 65.8 44.1 81.9
132 95.6 66.8 124.0
130 96.3 69.0 128.1

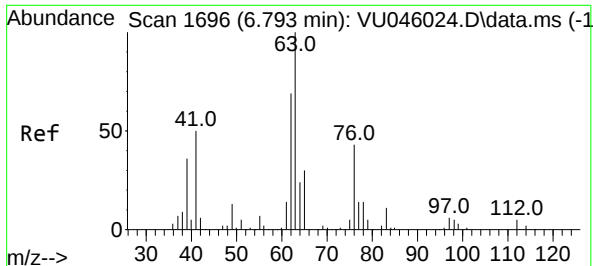


#35
Methylcyclohexane
Concen: 48.842 ug/L
RT: 6.768 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VU046031.D
Acq: 30 Nov 2021 17:19



Tgt Ion: 83 Resp: 111257
Ion Ratio Lower Upper
83 100
55 72.4 57.8 86.6
98 48.9 38.4 57.6





#37

1,2-Dichloropropane

Concen: 51.007 ug/L

RT: 6.793 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU046031.D

Acq: 30 Nov 2021 17:19

Instrument :

MSVOA_U

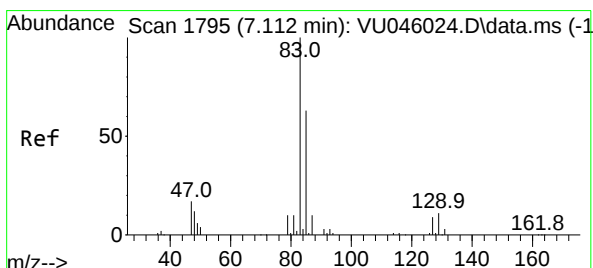
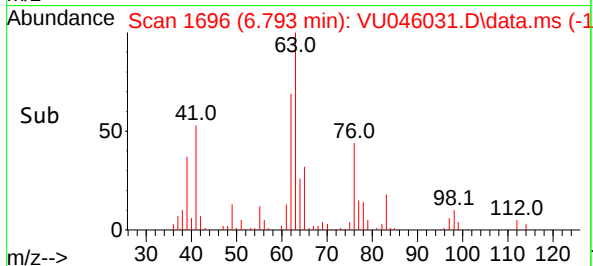
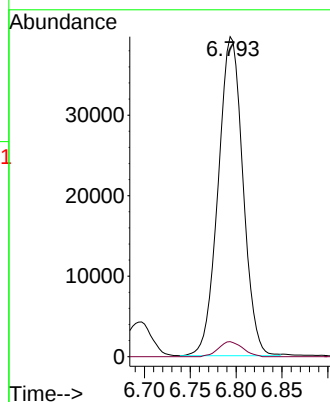
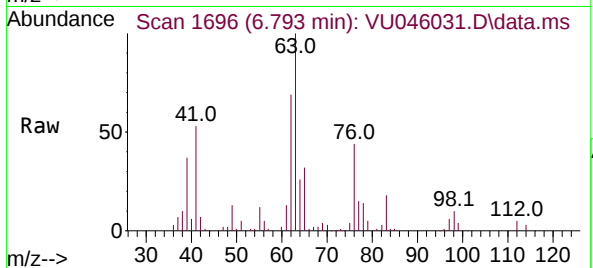
ClientSampleId :

Tgt Ion: 63 Resp: 74512

Ion Ratio Lower Upper

63 100

112 4.6 3.8 5.6



#38

Bromodichloromethane

Concen: 50.917 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. -0.003 min

Lab File: VU046031.D

Acq: 30 Nov 2021 17:19

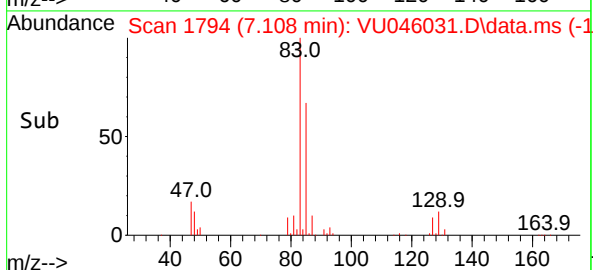
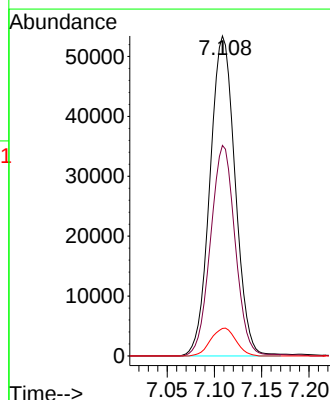
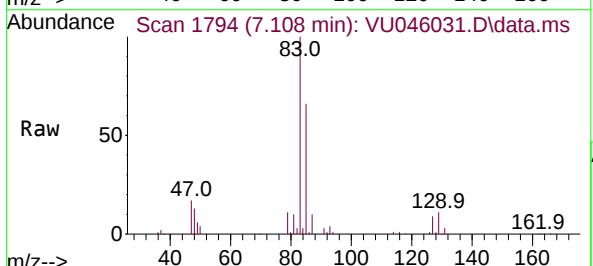
Tgt Ion: 83 Resp: 98862

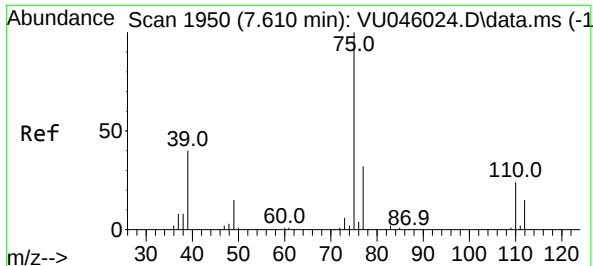
Ion Ratio Lower Upper

83 100

85 65.8 44.4 82.5

127 8.6 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 52.206 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VU046031.D

Acq: 30 Nov 2021 17:19

Instrument :

MSVOA_U

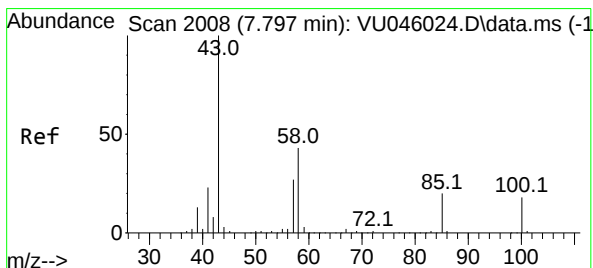
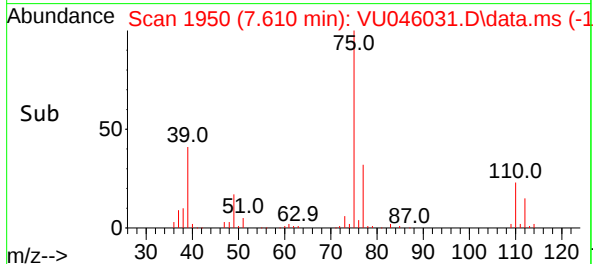
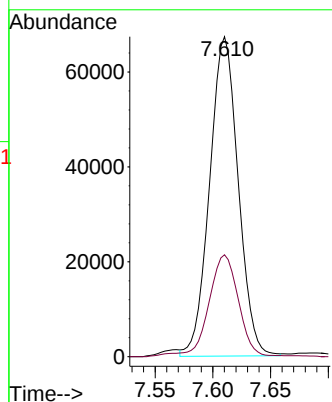
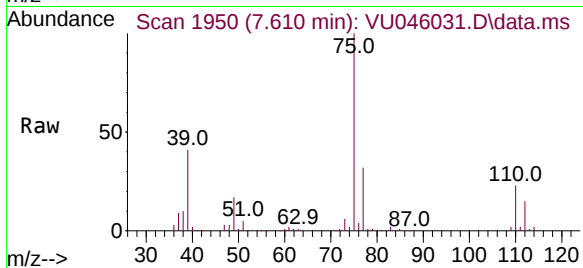
ClientSampleId :

Tgt Ion: 75 Resp: 116019

Ion Ratio Lower Upper

75 100

77 31.9 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 111.293 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.003 min

Lab File: VU046031.D

Acq: 30 Nov 2021 17:19

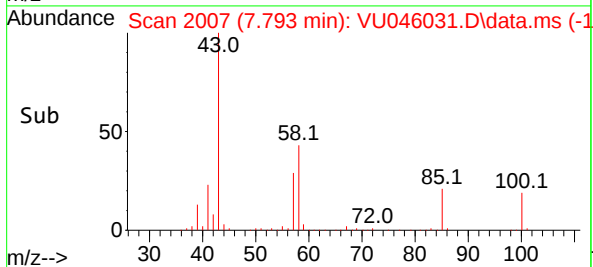
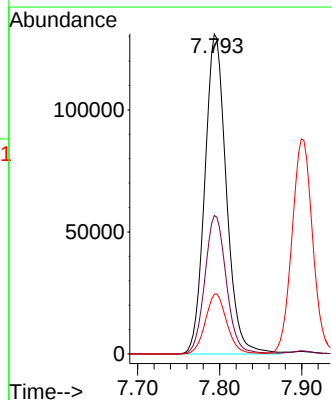
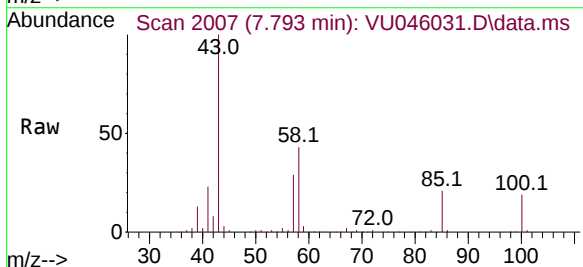
Tgt Ion: 43 Resp: 238867

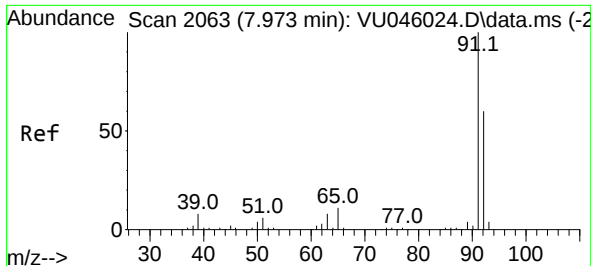
Ion Ratio Lower Upper

43 100

58 43.4 34.2 51.4

100 18.7 14.5 21.7





#42

Toluene

Concen: 51.015 ug/L

RT: 7.970 min Scan# 2063

Delta R.T. -0.003 min

Lab File: VU046031.D

Acq: 30 Nov 2021 17:19

Instrument :

MSVOA_U

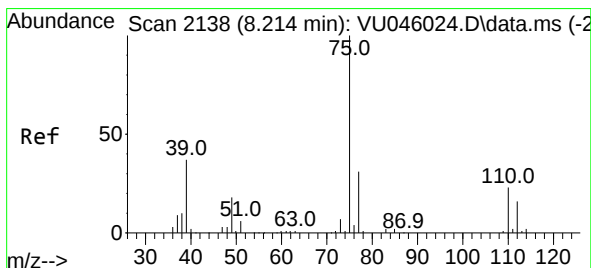
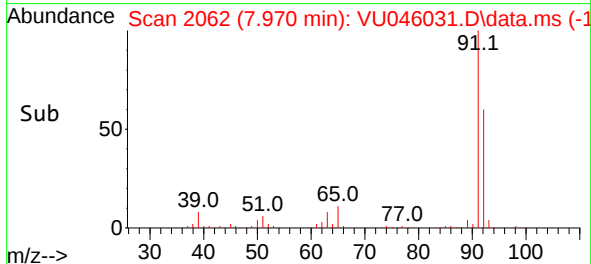
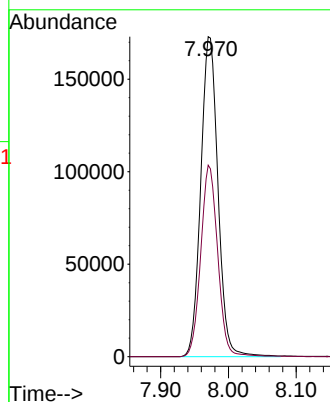
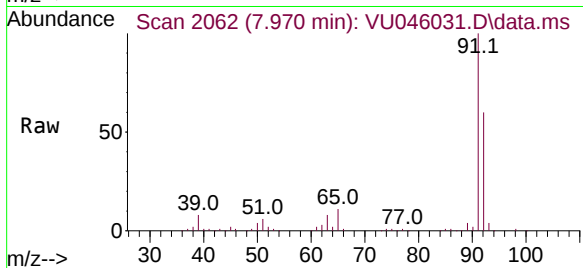
ClientSampleId :

Tgt Ion: 91 Resp: 305263

Ion Ratio Lower Upper

91 100

92 59.9 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 53.504 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.003 min

Lab File: VU046031.D

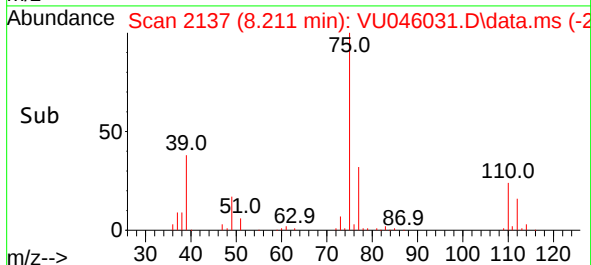
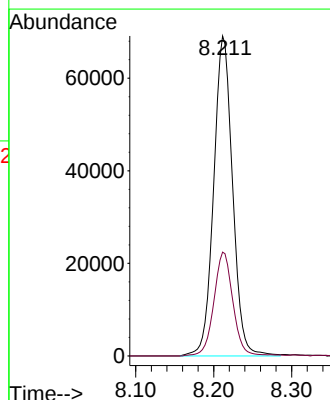
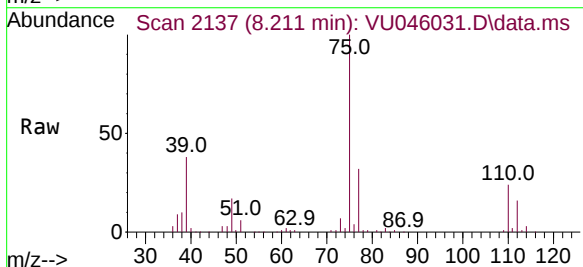
Acq: 30 Nov 2021 17:19

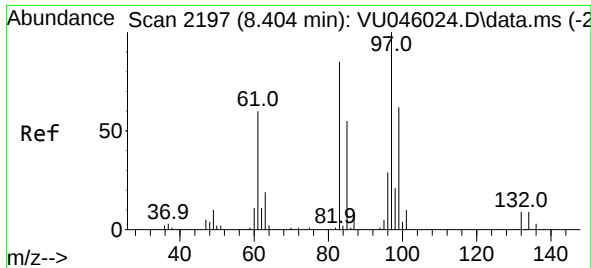
Tgt Ion: 75 Resp: 116782

Ion Ratio Lower Upper

75 100

77 32.4 21.7 40.3

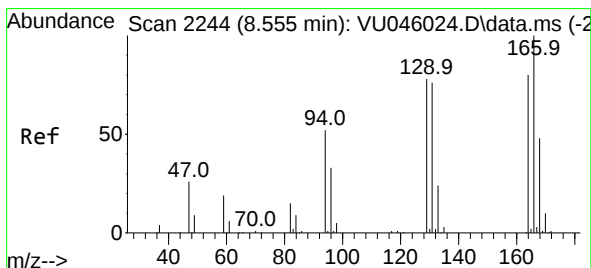
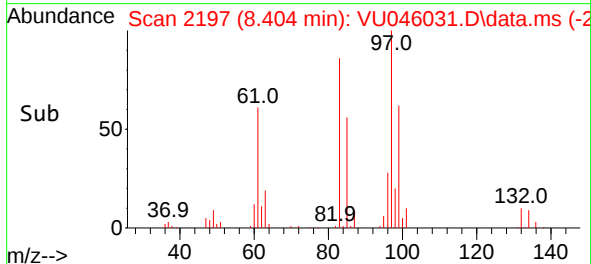
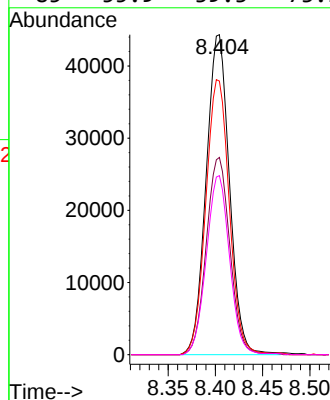
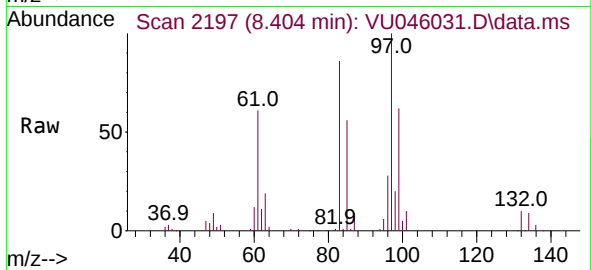




#45
1,1,2-Trichloroethane
Concen: 51.920 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. 0.000 min
Lab File: VU046031.D
Acq: 30 Nov 2021 17:19

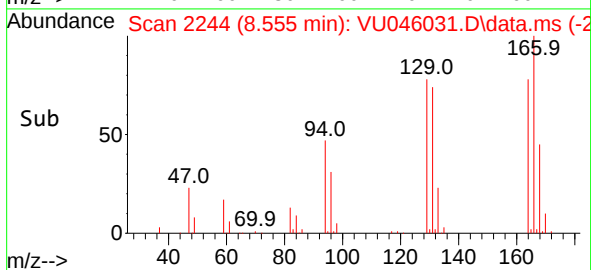
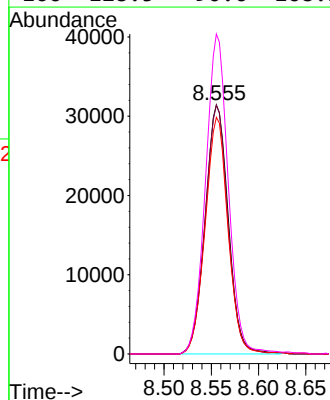
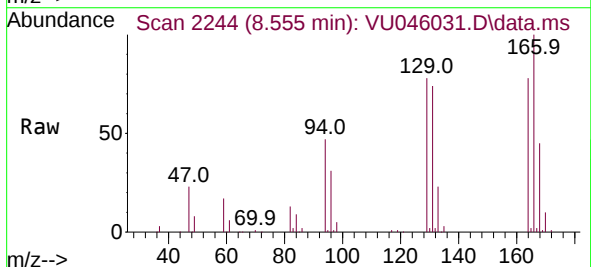
Instrument :
MSVOA_U
ClientSampleId :

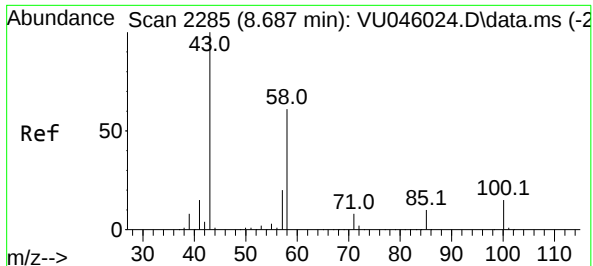
Tgt Ion: 97	Resp: 76092
Ion Ratio	Lower Upper
97 100	
99 61.6	44.7 82.9
83 85.5	60.2 111.8
85 55.9	39.3 73.1



#46
Tetrachloroethene
Concen: 49.698 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU046031.D
Acq: 30 Nov 2021 17:19

Tgt	Ion:164	Resp:	53654
Ion	Ratio	Lower	Upper
164	100		
129	99.9	71.1	132.1
131	95.0	67.8	126.0
166	128.5	90.6	168.2



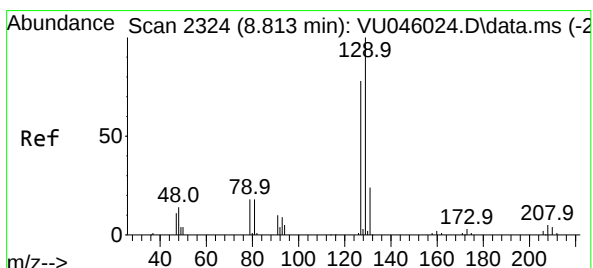
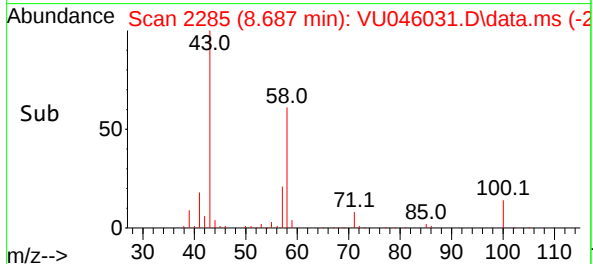
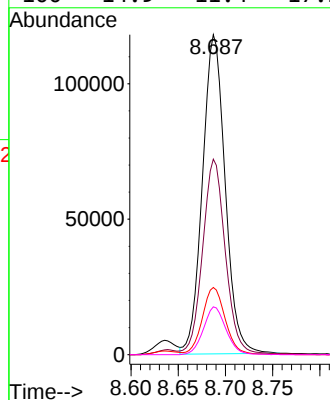
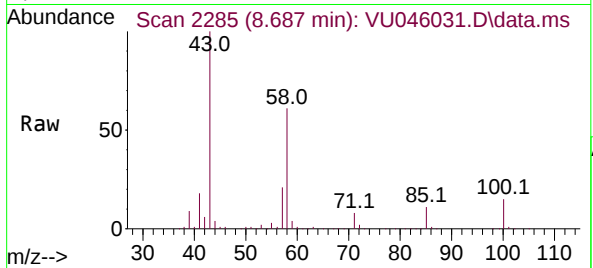


#48
2-Hexanone
Concen: 102.757 ug/L
RT: 8.687 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU046031.D
Acq: 30 Nov 2021 17:19

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 197239

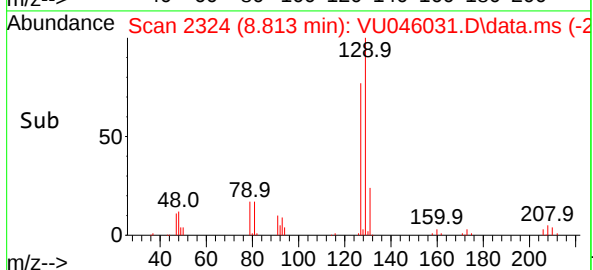
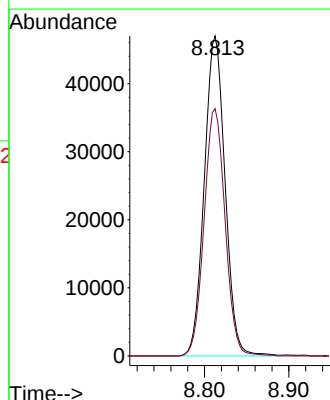
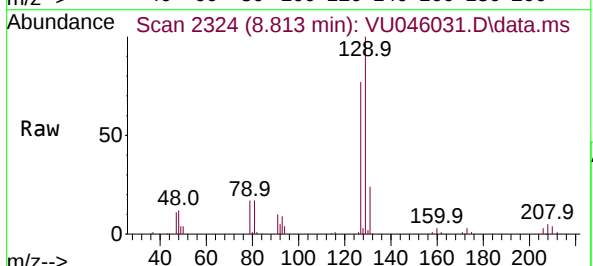
Ion	Ratio	Lower	Upper
43	100		
58	60.9	47.4	71.2
57	21.3	16.6	25.0
100	14.9	11.4	17.2

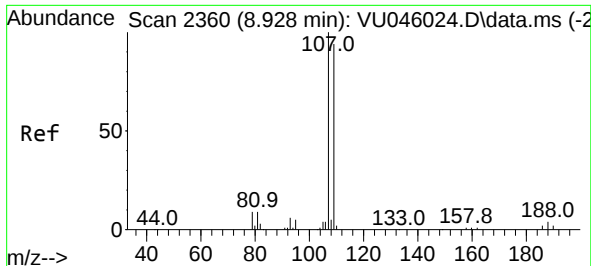


#49
Dibromochloromethane
Concen: 52.407 ug/L
RT: 8.813 min Scan# 2324
Delta R.T. 0.000 min
Lab File: VU046031.D
Acq: 30 Nov 2021 17:19

Tgt Ion: 129 Resp: 80655

Ion	Ratio	Lower	Upper
129	100		
127	77.3	55.6	103.4





#50

1,2-Dibromoethane

Concen: 52.786 ug/L

RT: 8.925 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU046031.D

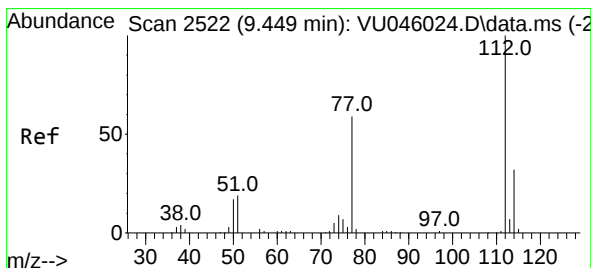
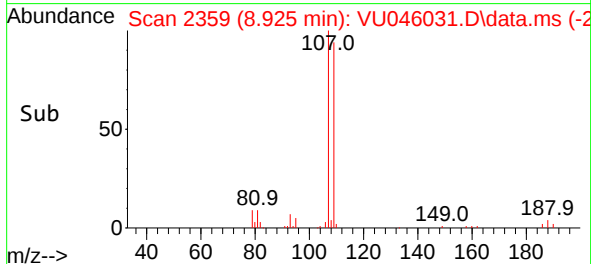
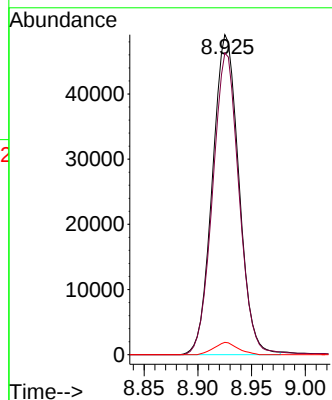
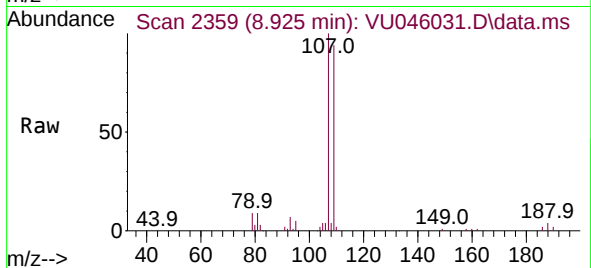
Acq: 30 Nov 2021 17:19

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:107	Resp:	83873
Ion	Ratio	Lower Upper
107	100	
109	94.2	64.9 120.5
188	3.9	2.6 3.8#



#51

Chlorobenzene

Concen: 49.496 ug/L

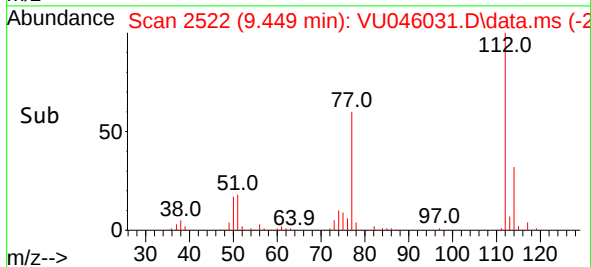
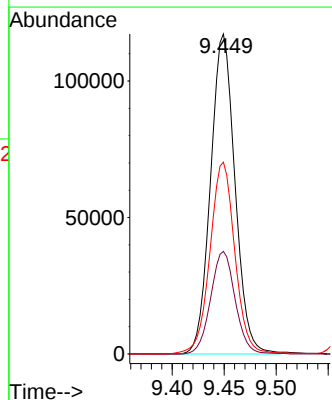
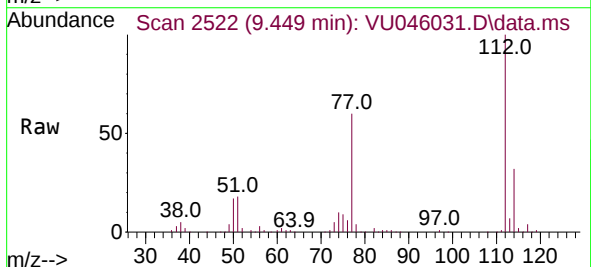
RT: 9.449 min Scan# 2522

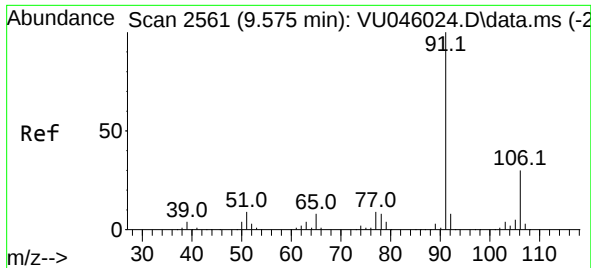
Delta R.T. 0.000 min

Lab File: VU046031.D

Acq: 30 Nov 2021 17:19

Tgt Ion:112	Resp:	191609
Ion	Ratio	Lower Upper
112	100	
114	32.0	22.2 41.2
77	59.9	47.4 71.0

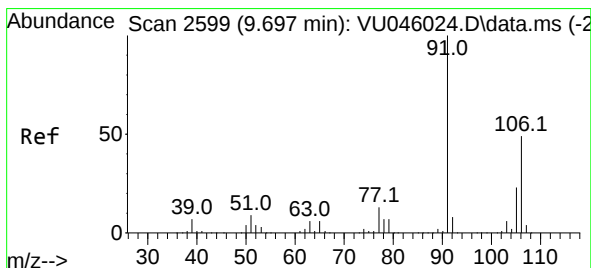
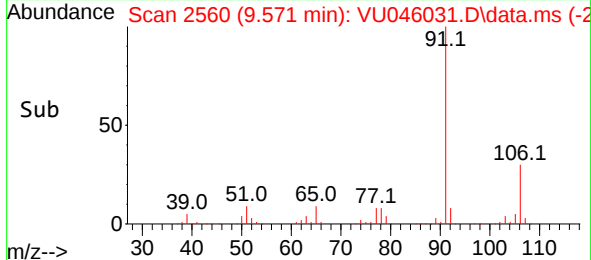
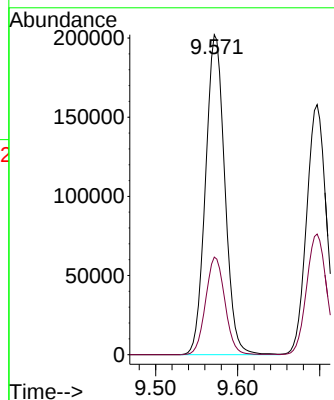
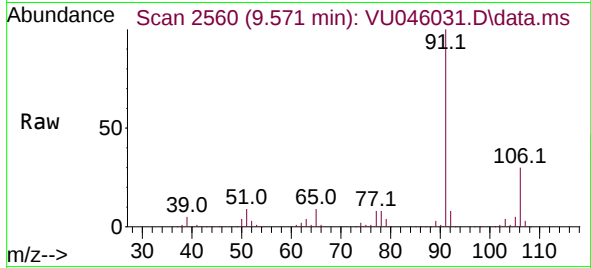




#52
Ethylbenzene
Concen: 51.213 ug/L
RT: 9.571 min Scan# 2561
Delta R.T. -0.003 min
Lab File: VU046031.D
Acq: 30 Nov 2021 17:19

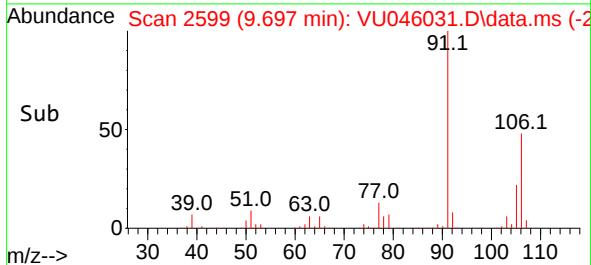
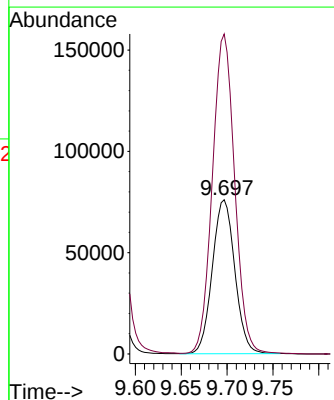
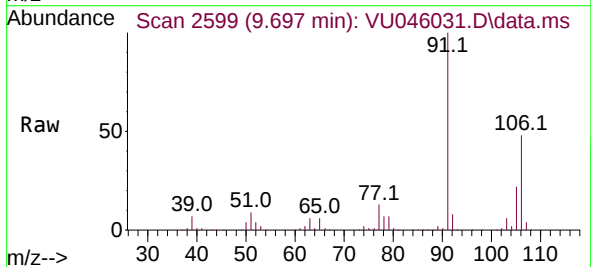
Instrument :
MSVOA_U
ClientSampleId :

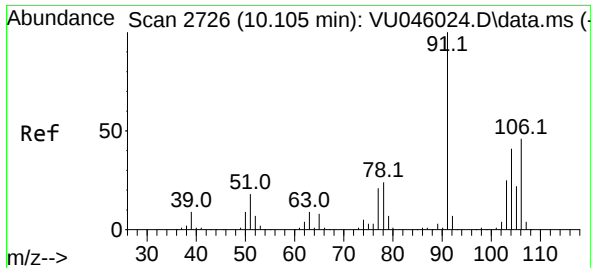
Tgt Ion: 91 Resp: 329801
Ion Ratio Lower Upper
91 100
106 30.5 21.1 39.3



#53
m,p-Xylene
Concen: 51.669 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.000 min
Lab File: VU046031.D
Acq: 30 Nov 2021 17:19

Tgt Ion:106 Resp: 129764
Ion Ratio Lower Upper
106 100
91 207.4 144.3 268.1

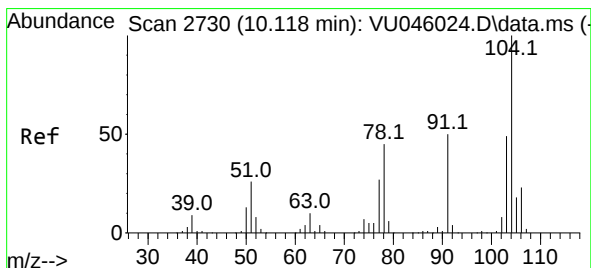
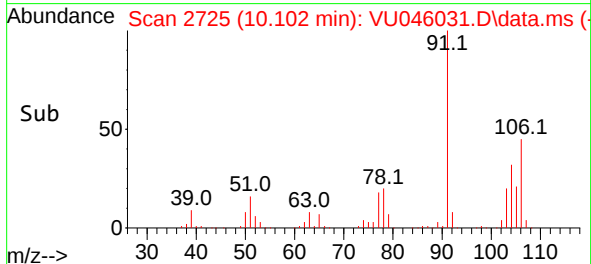
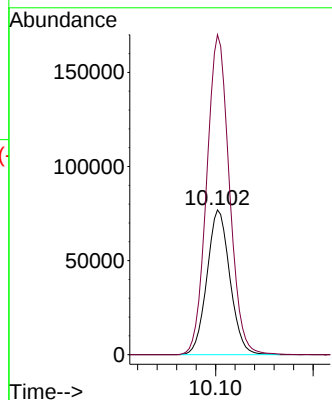
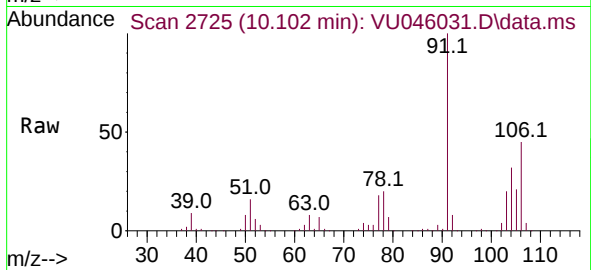




#54
o-xylene
Concen: 51.614 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.003 min
Lab File: VU046031.D
Acq: 30 Nov 2021 17:19

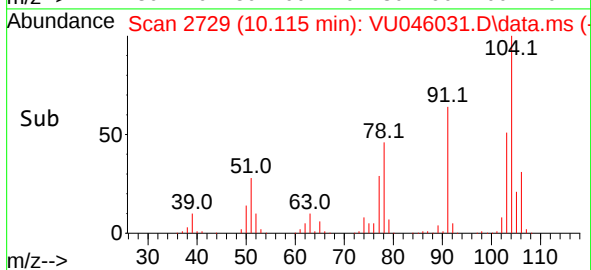
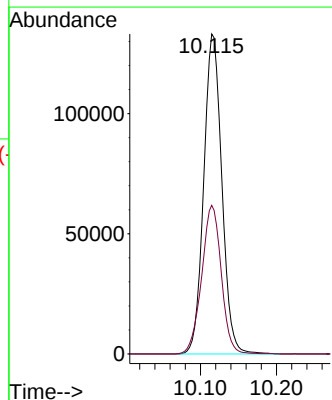
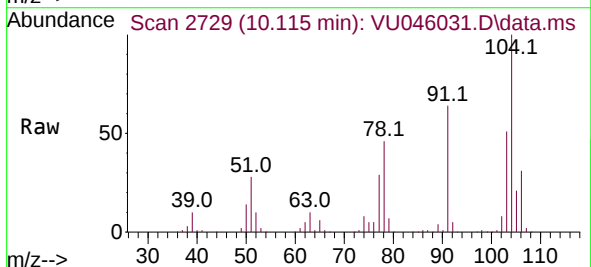
Instrument :
MSVOA_U
ClientSampleId :

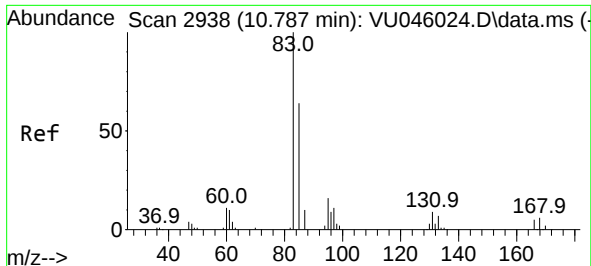
Tgt Ion:106 Resp: 125780
Ion Ratio Lower Upper
106 100
91 221.1 154.2 286.4



#55
Styrene
Concen: 52.963 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VU046031.D
Acq: 30 Nov 2021 17:19

Tgt Ion:104 Resp: 220354
Ion Ratio Lower Upper
104 100
78 46.5 32.6 60.5





#57

1,1,2,2-Tetrachloroethane

Concen: 52.319 ug/L

RT: 10.784 min Scan# 2937

Delta R.T. -0.003 min

Lab File: VU046031.D

Acq: 30 Nov 2021 17:19

Instrument :

MSVOA_U

ClientSampleId :

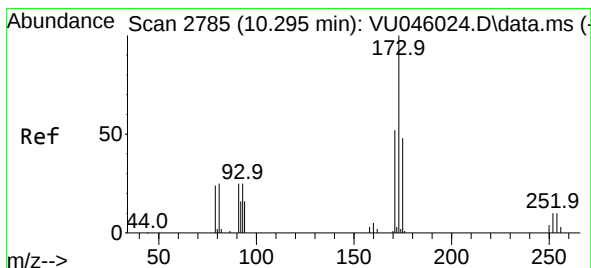
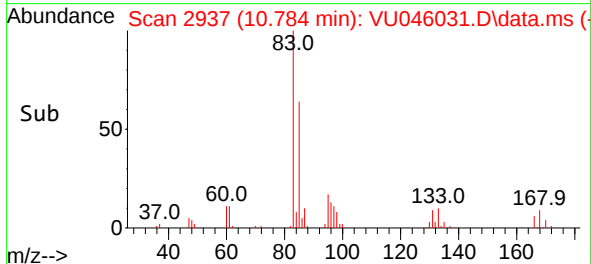
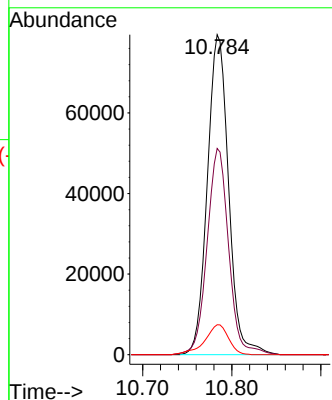
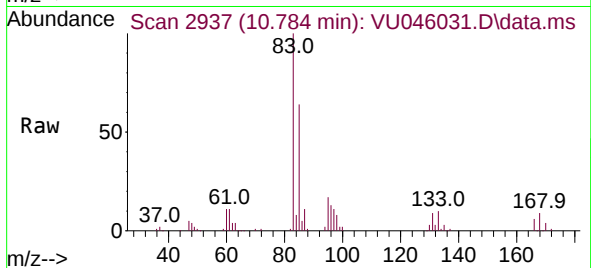
Tgt Ion: 83 Resp: 131457

Ion Ratio Lower Upper

83 100

85 64.5 45.6 84.6

131 9.3 7.8 11.6



#59

Bromoform

Concen: 51.992 ug/L

RT: 10.292 min Scan# 2784

Delta R.T. -0.003 min

Lab File: VU046031.D

Acq: 30 Nov 2021 17:19

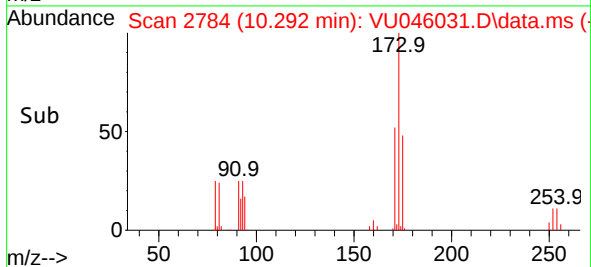
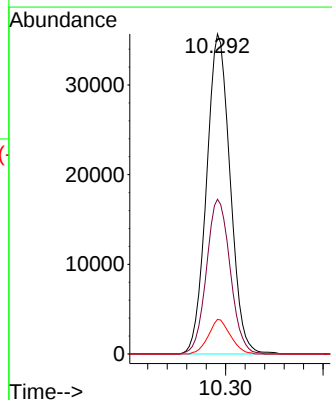
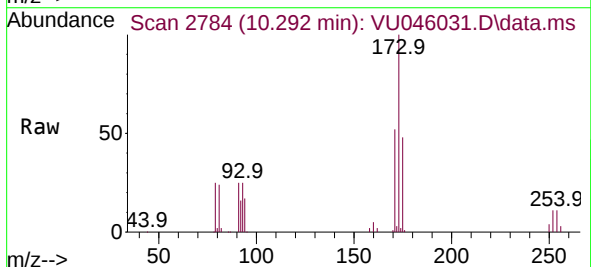
Tgt Ion:173 Resp: 59954

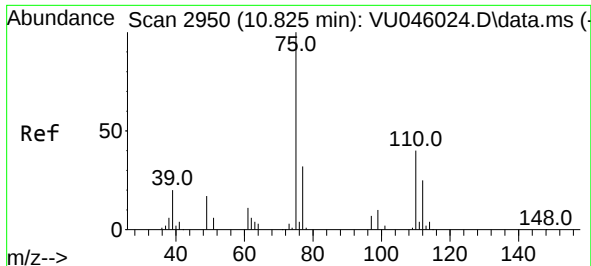
Ion Ratio Lower Upper

173 100

175 48.7 39.2 58.8

254 10.1 7.4 11.2

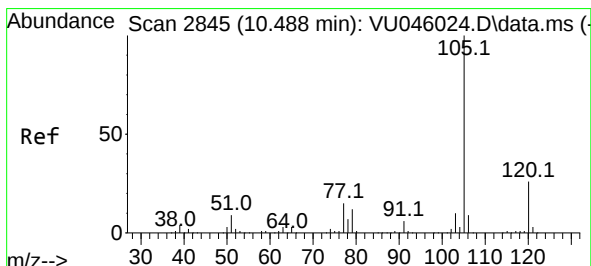
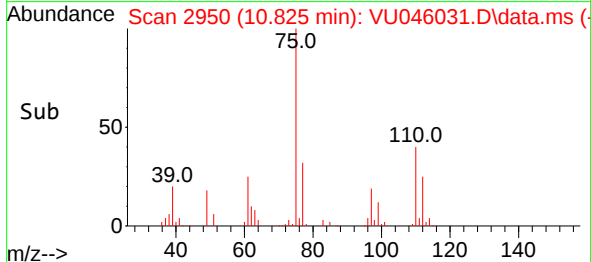
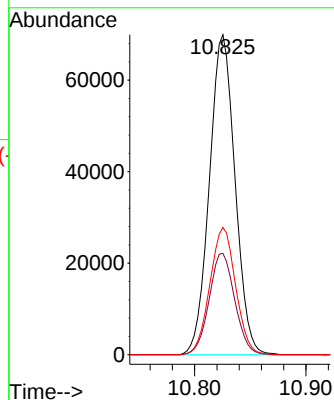
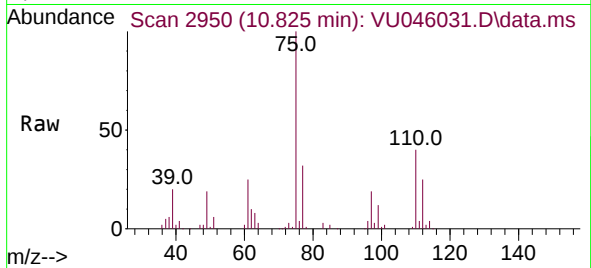




#60
1,2,3-Trichloropropane
Concen: 51.915 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU046031.D
Acq: 30 Nov 2021 17:19

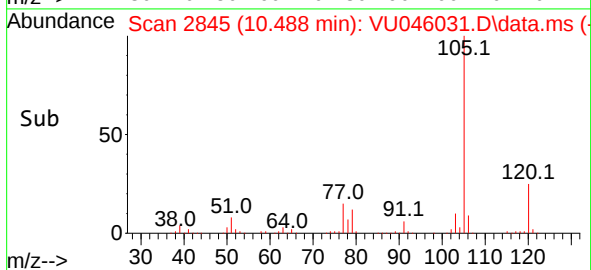
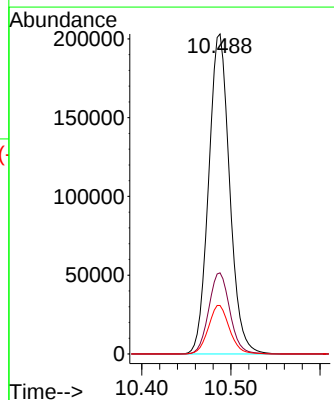
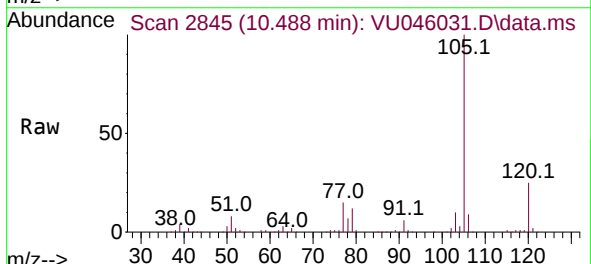
Instrument :
MSVOA_U
ClientSampleId :

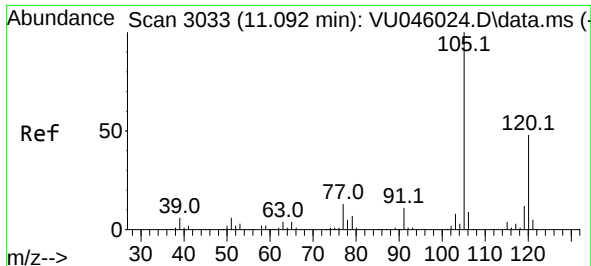
Tgt Ion: 75 Resp: 111865
Ion Ratio Lower Upper
75 100
77 31.6 26.4 39.6
110 39.8 32.4 48.6



#61
Isopropylbenzene
Concen: 51.872 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. 0.000 min
Lab File: VU046031.D
Acq: 30 Nov 2021 17:19

Tgt Ion: 105 Resp: 331759
Ion Ratio Lower Upper
105 100
120 25.5 20.7 31.1
77 15.2 12.2 18.4





#62

1,3,5-Trimethylbenzene

Concen: 54.225 ug/L

RT: 11.089 min Scan# 3033

Delta R.T. -0.003 min

Lab File: VU046031.D

Acq: 30 Nov 2021 17:19

Instrument :

MSVOA_U

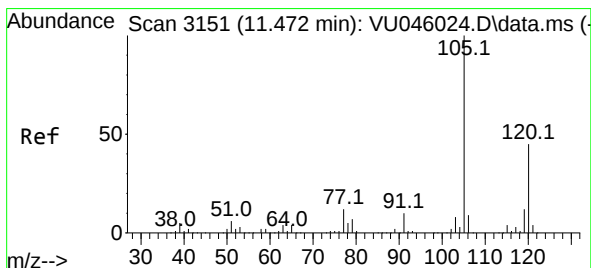
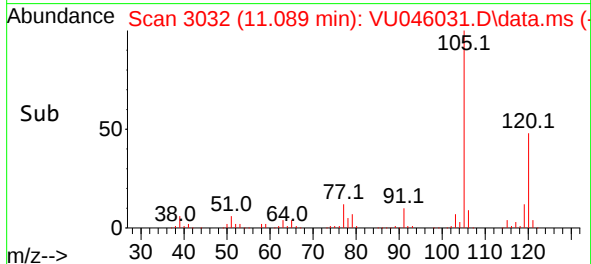
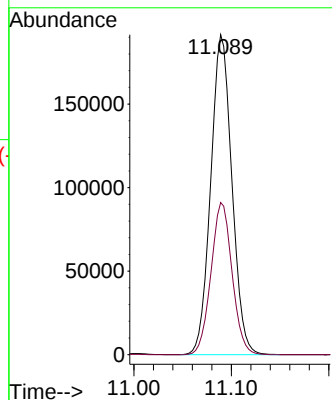
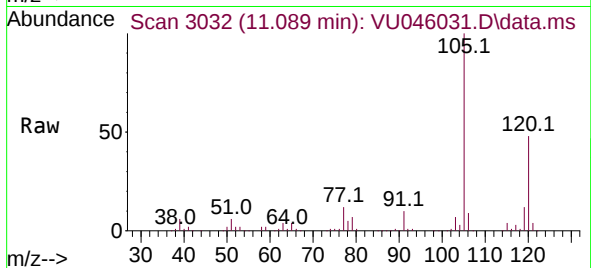
ClientSampleId :

Tgt Ion:105 Resp: 289066

Ion Ratio Lower Upper

105 100

120 47.4 37.8 56.6



#63

1,2,4-Trimethylbenzene

Concen: 54.197 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.003 min

Lab File: VU046031.D

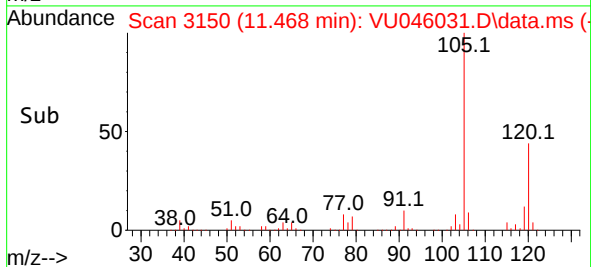
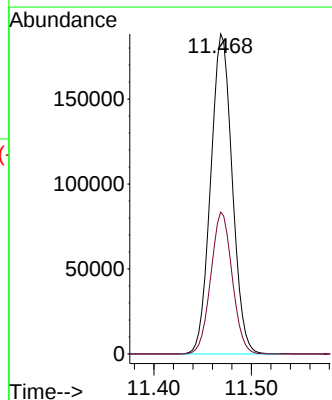
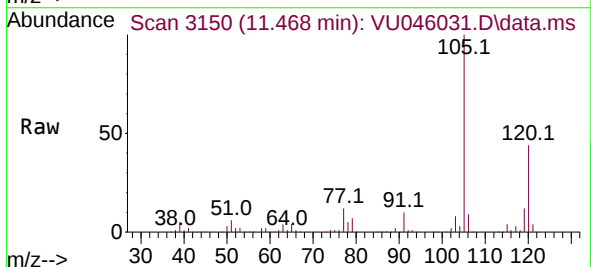
Acq: 30 Nov 2021 17:19

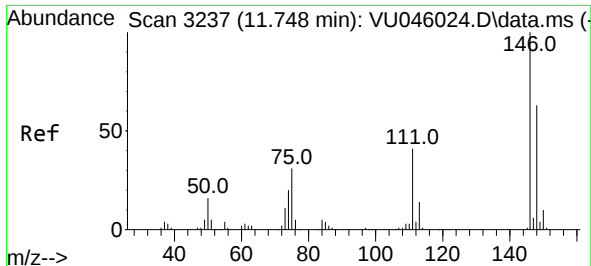
Tgt Ion:105 Resp: 289060

Ion Ratio Lower Upper

105 100

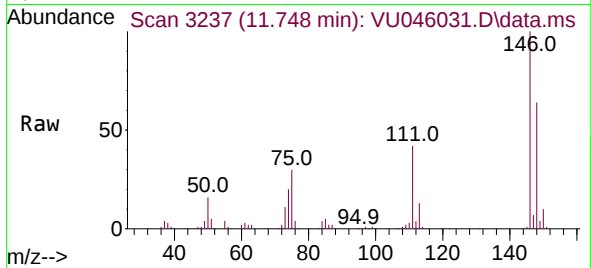
120 44.0 35.2 52.8



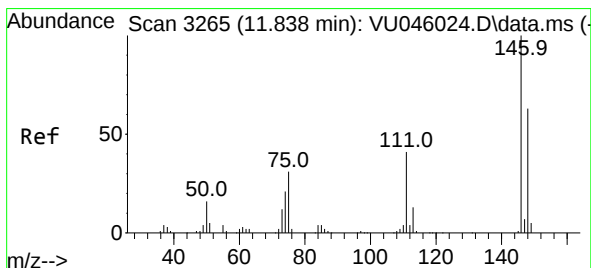
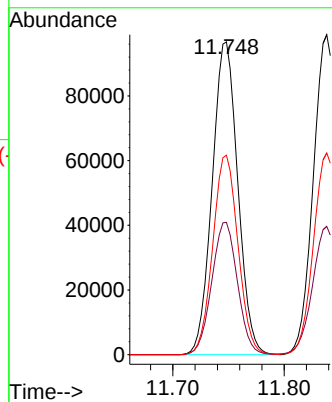
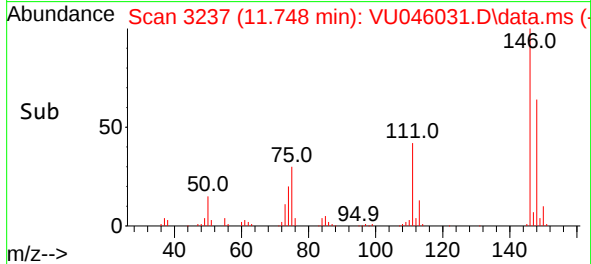


#64
1,3-Dichlorobenzene
Concen: 50.832 ug/L
RT: 11.748 min Scan# 3237
Delta R.T. 0.000 min
Lab File: VU046031.D
Acq: 30 Nov 2021 17:19

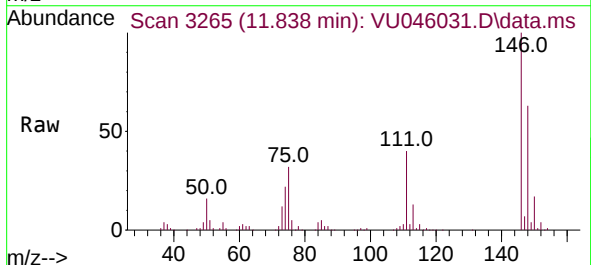
Instrument :
MSVOA_U
ClientSampleId :



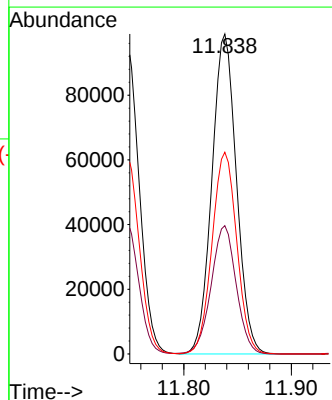
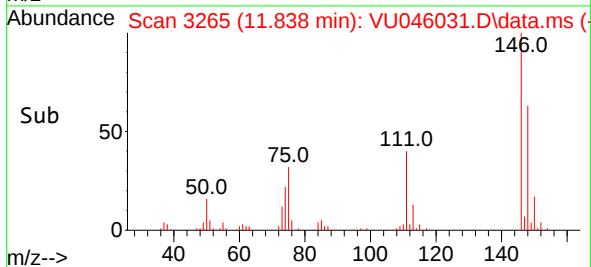
Tgt Ion:146 Resp: 154427
Ion Ratio Lower Upper
146 100
111 42.3 29.5 54.9
148 63.8 45.9 85.3

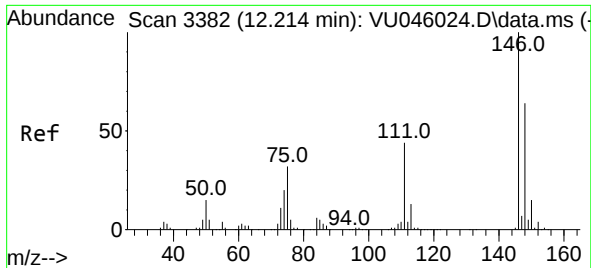


#65
1,4-Dichlorobenzene
Concen: 50.015 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.000 min
Lab File: VU046031.D
Acq: 30 Nov 2021 17:19



Tgt Ion:146 Resp: 157035
Ion Ratio Lower Upper
146 100
111 40.1 28.3 52.7
148 63.1 43.8 81.3

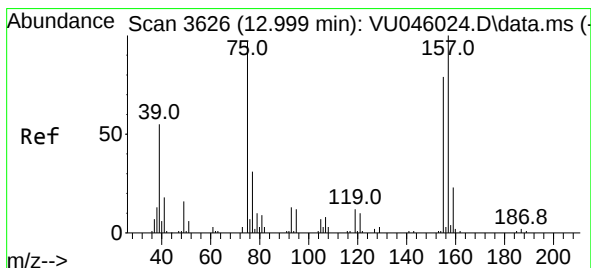
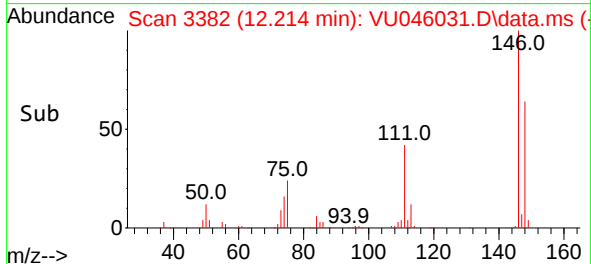
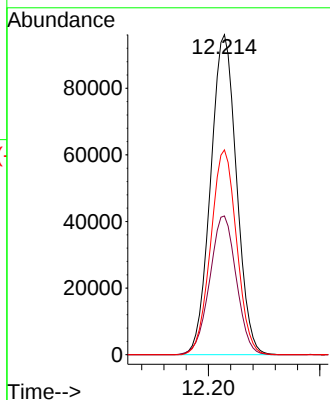
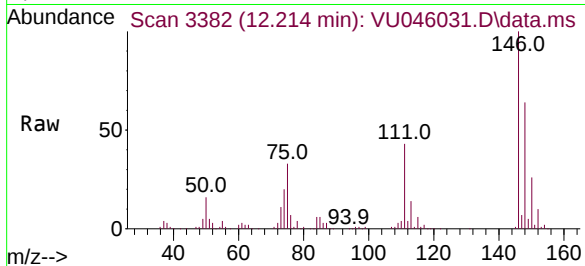




#67
1,2-Dichlorobenzene
Concen: 50.687 ug/L
RT: 12.214 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU046031.D
Acq: 30 Nov 2021 17:19

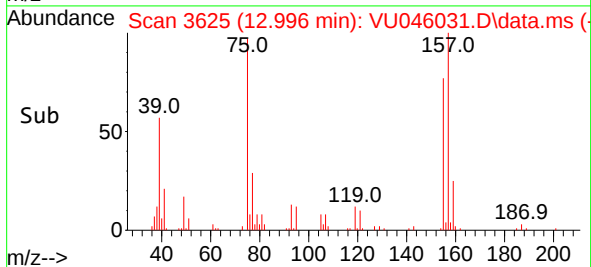
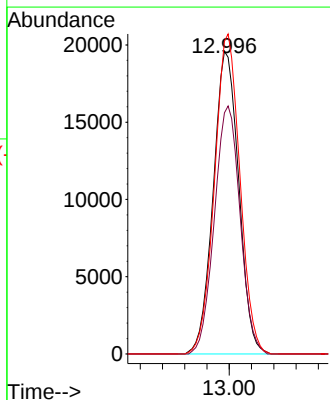
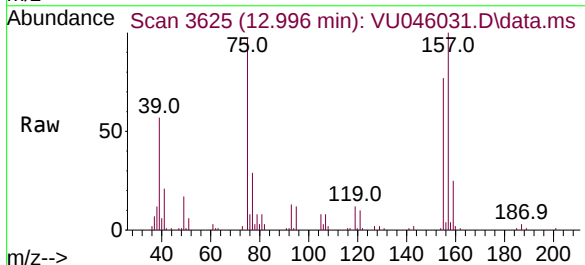
Instrument :
MSVOA_U
ClientSampleId :

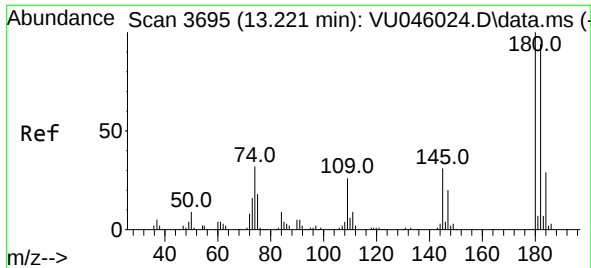
Tgt Ion:146 Resp: 155071
Ion Ratio Lower Upper
146 100
111 43.3 35.7 53.5
148 64.0 51.2 76.8



#68
1,2-Dibromo-3-chloropropane
Concen: 54.161 ug/L
RT: 12.996 min Scan# 3625
Delta R.T. -0.003 min
Lab File: VU046031.D
Acq: 30 Nov 2021 17:19

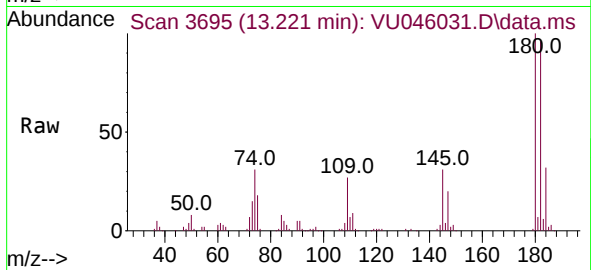
Tgt Ion: 75 Resp: 31090
Ion Ratio Lower Upper
75 100
155 79.7 64.9 97.3
157 103.3 81.9 122.9



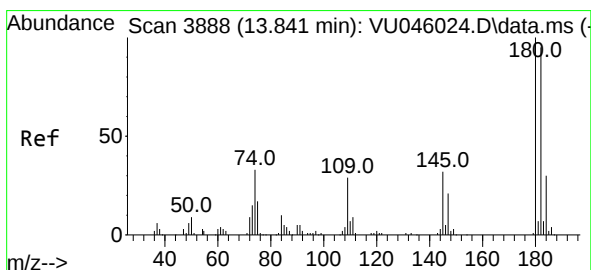
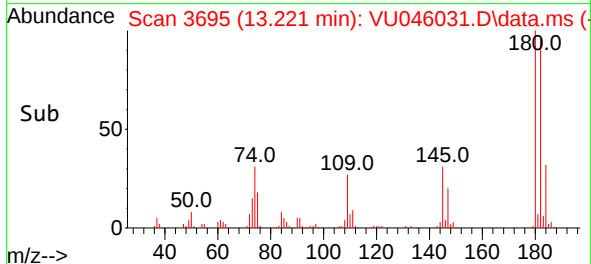
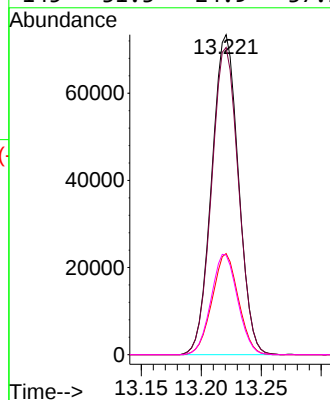


#69
 1,3,5-Trichlorobenzene
 Concen: 51.345 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.000 min
 Lab File: VU046031.D
 Acq: 30 Nov 2021 17:19

Instrument :
 MSVOA_U
 ClientSampleId :

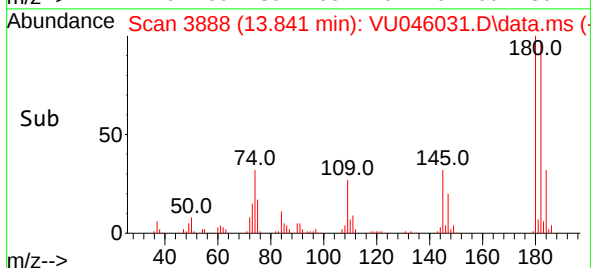
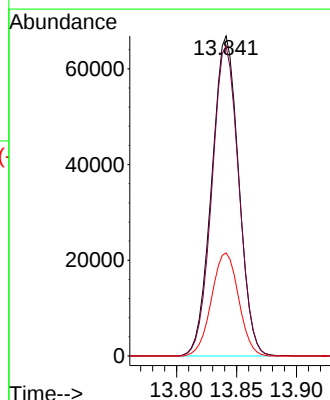
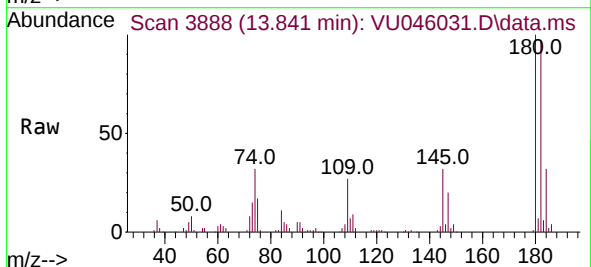


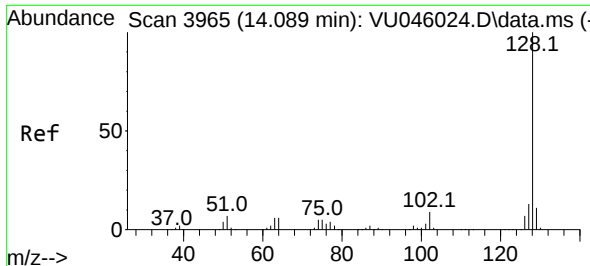
Tgt Ion:180 Resp: 113659
 Ion Ratio Lower Upper
 180 100
 182 96.6 75.9 113.9
 184 31.1 24.2 36.4
 145 31.3 24.9 37.3



#70
 1,2,4-trichlorobenzene
 Concen: 53.125 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU046031.D
 Acq: 30 Nov 2021 17:19

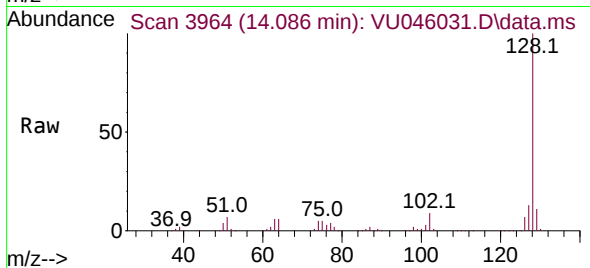
Tgt Ion:180 Resp: 104356
 Ion Ratio Lower Upper
 180 100
 182 96.7 76.7 115.1
 145 32.4 26.0 39.0



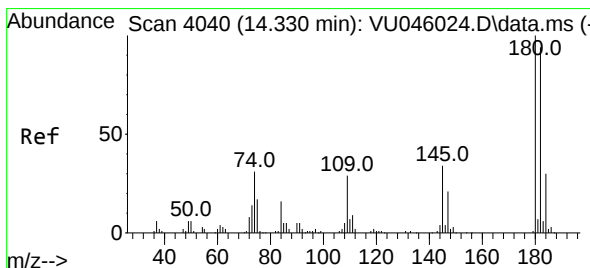
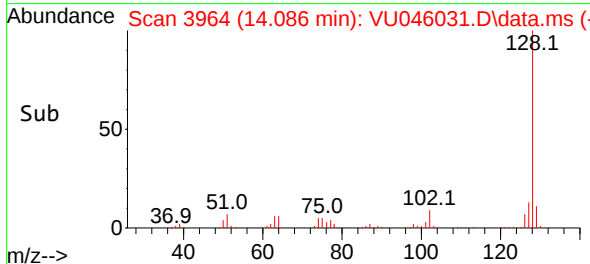
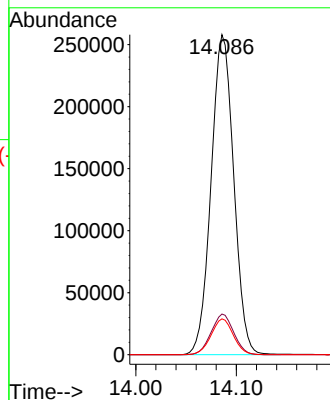


#71
Naphthalene
Concen: 59.009 ug/L
RT: 14.086 min Scan# 3965
Delta R.T. -0.003 min
Lab File: VU046031.D
Acq: 30 Nov 2021 17:19

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 403362
Ion Ratio Lower Upper
128 100
127 12.6 10.1 15.1
129 11.0 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 54.049 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU046031.D
Acq: 30 Nov 2021 17:19

Tgt Ion:180 Resp: 108268
Ion Ratio Lower Upper
180 100
182 94.3 76.0 114.0
145 33.8 27.3 40.9

