

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121521\
 Data File : VU046408.D
 Acq On : 15 Dec 2021 19:54
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 16 03:13:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 16 02:25:11 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	155670	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	156536	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	86557	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	67076	52.308	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	104.620%
7) Chloroethane-d5	1.919	69	47340	48.082	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.160%
11) 1,1-Dichloroethene-d2	2.575	63	108330	47.059	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.120%
21) 2-Butanone-d5	4.636	46	88322	86.642	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.640%
24) Chloroform-d	5.067	84	114365	53.406	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.820%
26) 1,2-Dichloroethane-d4	5.706	65	72197	50.237	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.480%
32) Benzene-d6	5.732	84	219530	48.930	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.860%
36) 1,2-Dichloropropane-d6	6.694	67	67564	48.591	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.180%
41) Toluene-d8	7.899	98	201965	49.440	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.880%
43) trans-1,3-Dichloroprop...	8.182	79	32852	48.943	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.880%
47) 2-Hexanone-d5	8.636	63	69421	105.299	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.300%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	99734	47.296	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.600%
66) 1,2-Dichlorobenzene-d4	12.192	152	75577	45.339	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.680%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	62561	36.939	ug/L	99
3) Chloromethane	1.523	50	52470	34.637	ug/L	98
5) Vinyl chloride	1.607	62	57099	37.382	ug/L	98
6) Bromomethane	1.864	94	32729	37.805	ug/L	97
8) Chloroethane	1.941	64	34583	39.104	ug/L	100
9) Trichlorofluoromethane	2.144	101	89552	44.907	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	52389	46.251	ug/L	100
12) 1,1-Dichloroethene	2.588	96	44612	41.447	ug/L	92
13) Acetone	2.652	43	78102	61.304	ug/L	97
14) Carbon disulfide	2.800	76	95905	28.719	ug/L	99
15) Methyl Acetate	2.957	43	64396	43.359	ug/L	98
16) Methylene chloride	3.054	84	56997	44.507	ug/L	96
17) trans-1,2-Dichloroethene	3.359	96	46696	40.994	ug/L	98
18) Methyl tert-butyl Ether	3.366	73	179186	51.043	ug/L	99
19) 1,1-Dichloroethane	3.877	63	100871	48.704	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	58706	47.498	ug/L	97
22) 2-Butanone	4.716	43	105112	75.790	ug/L	96
23) Bromochloromethane	4.980	128	30781	49.310	ug/L	93
25) Chloroform	5.092	83	111243	48.343	ug/L	99

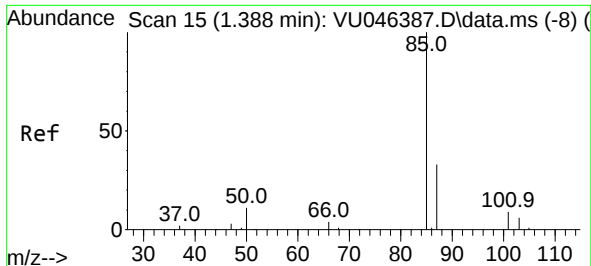
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121521\
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	87668	51.340	ug/L	100
29) Cyclohexane	5.395	56	71016	38.961	ug/L	98
30) 1,1,1-Trichloroethane	5.321	97	95434	49.667	ug/L	100
31) Carbon tetrachloride	5.530	117	78832	48.326	ug/L	100
33) Benzene	5.777	78	220536	46.549	ug/L	100
34) Trichloroethene	6.546	95	55974	44.847	ug/L	97
35) Methylcyclohexane	6.767	83	79150	40.899	ug/L	99
37) 1,2-Dichloropropane	6.793	63	60909	49.077	ug/L	99
38) Bromodichloromethane	7.108	83	83751	50.770	ug/L	97
39) cis-1,3-Dichloropropene	7.610	75	92805	49.154	ug/L	98
40) 4-Methyl-2-pentanone	7.793	43	180856	99.183	ug/L	99
42) Toluene	7.970	91	239711	47.153	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	90889	49.013	ug/L	97
45) 1,1,2-Trichloroethane	8.401	97	62198	49.953	ug/L	98
46) Tetrachloroethene	8.555	164	40788	44.469	ug/L	98
48) 2-Hexanone	8.687	43	145530	89.240	ug/L	99
49) Dibromochloromethane	8.812	129	66526	50.879	ug/L	98
50) 1,2-Dibromoethane	8.925	107	62417	46.237	ug/L	94
51) Chlorobenzene	9.449	112	153032	46.529	ug/L	100
52) Ethylbenzene	9.571	91	259781	47.482	ug/L	100
53) m,p-Xylene	9.693	106	101590	47.612	ug/L	98
54) o-xylene	10.102	106	100011	48.306	ug/L	97
55) Styrene	10.115	104	177318	50.164	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	109506	51.298	ug/L	100
59) Bromoform	10.291	173	49234	48.487	ug/L	100
60) 1,2,3-Trichloropropane	10.825	75	87804	46.276	ug/L	99
61) Isopropylbenzene	10.484	105	267831	47.557	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	229377	48.865	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	235177	50.076	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	123107	46.019	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	124614	45.072	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	125567	46.611	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	27067	53.548	ug/L	97
69) 1,3,5-Trichlorobenzene	13.221	180	92234	47.319	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	85133	49.218	ug/L	99
71) Naphthalene	14.085	128	323862	53.805	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	91107	51.652	ug/L	100

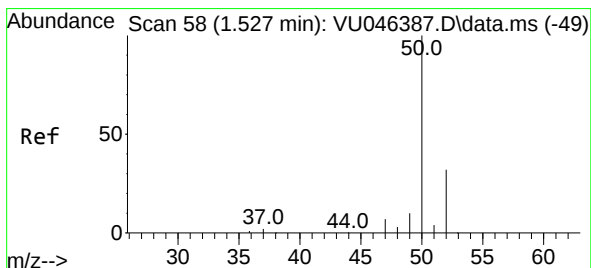
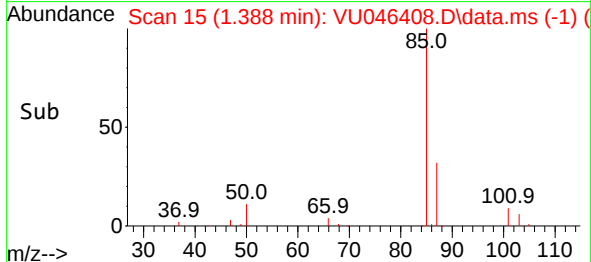
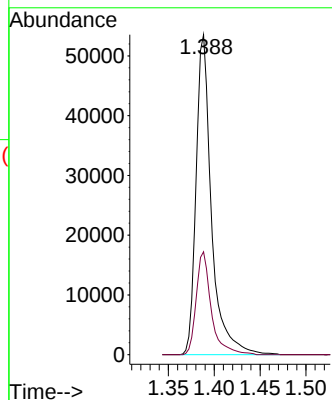
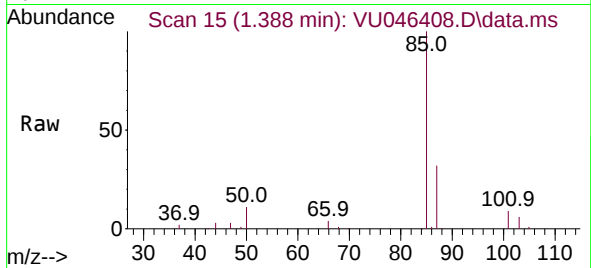
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#2
 Dichlorodifluoromethane
 Concen: 36.939 ug/L
 RT: 1.388 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VU046408.D
 Acq: 15 Dec 2021 19:54

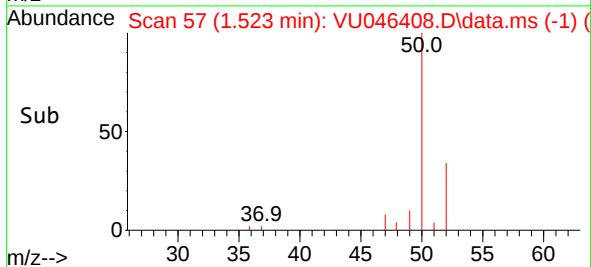
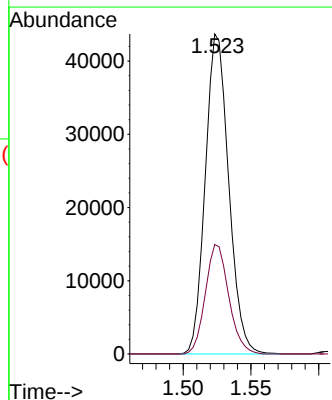
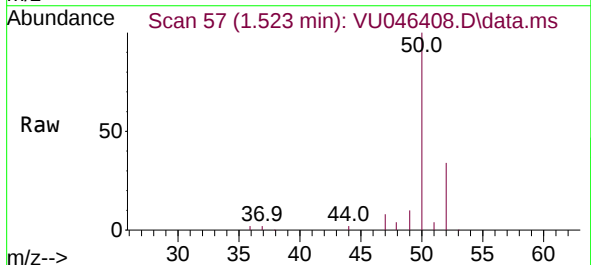
Instrument :
 MSVOA_U
 ClientSampleId :

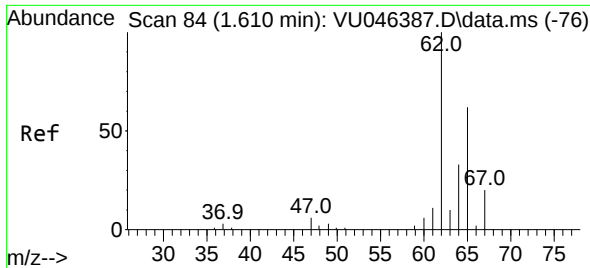
Tgt Ion: 85 Resp: 62561
 Ion Ratio Lower Upper
 85 100
 87 31.5 25.7 38.5



#3
 Chloromethane
 Concen: 34.637 ug/L
 RT: 1.523 min Scan# 57
 Delta R.T. -0.003 min
 Lab File: VU046408.D
 Acq: 15 Dec 2021 19:54

Tgt Ion: 50 Resp: 52470
 Ion Ratio Lower Upper
 50 100
 52 34.2 23.2 43.2

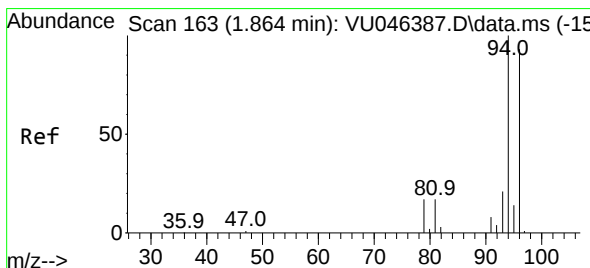
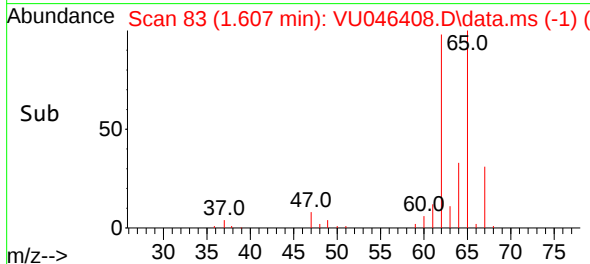
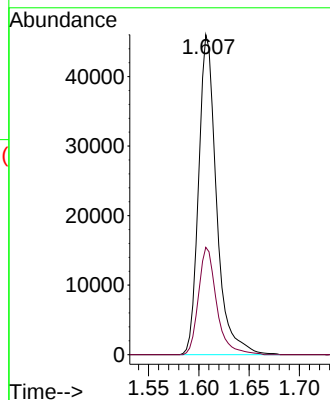
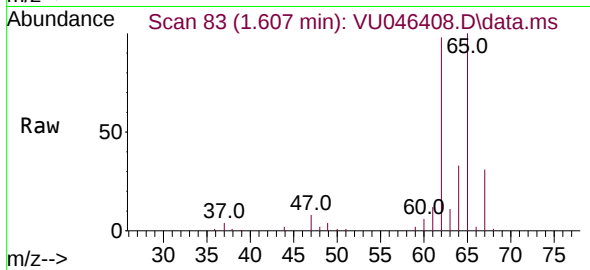




#5
 Vinyl chloride
 Concen: 37.382 ug/L
 RT: 1.607 min Scan# 84
 Delta R.T. -0.003 min
 Lab File: VU046408.D
 Acq: 15 Dec 2021 19:54

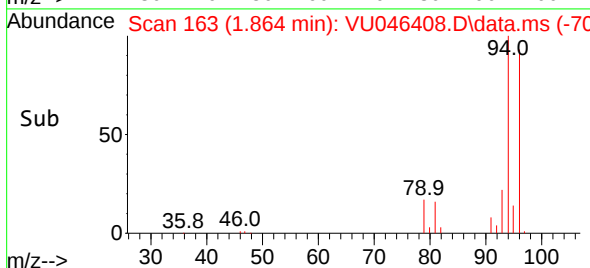
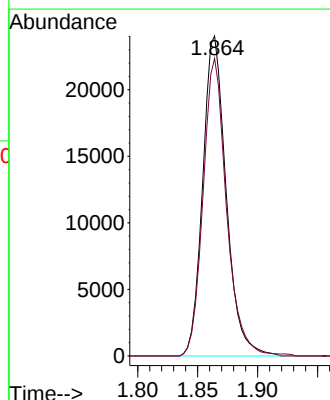
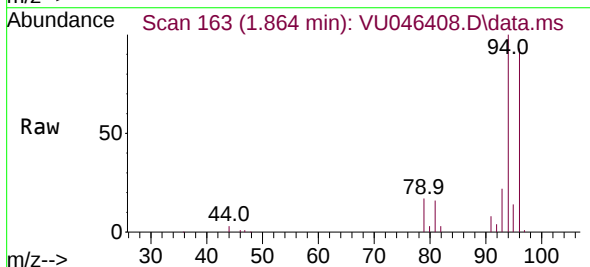
Instrument :
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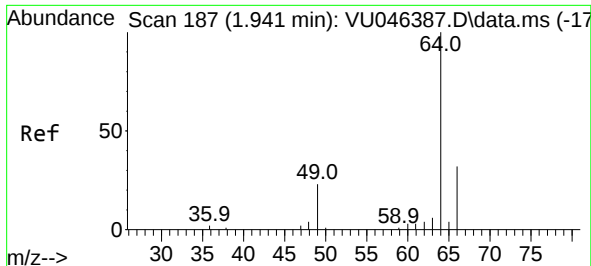
Tgt Ion: 62 Resp: 57099
 Ion Ratio Lower Upper
 62 100
 64 33.6 22.9 42.5



#6
 Bromomethane
 Concen: 37.805 ug/L
 RT: 1.864 min Scan# 163
 Delta R.T. -0.000 min
 Lab File: VU046408.D
 Acq: 15 Dec 2021 19:54

Tgt Ion: 94 Resp: 32729
 Ion Ratio Lower Upper
 94 100
 96 93.0 67.4 125.2

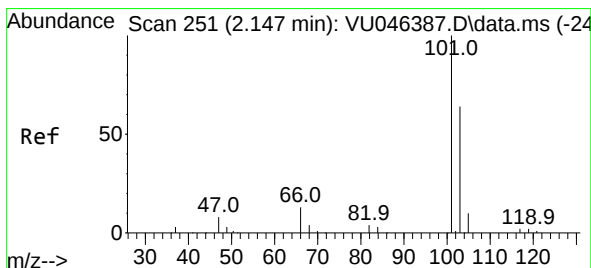
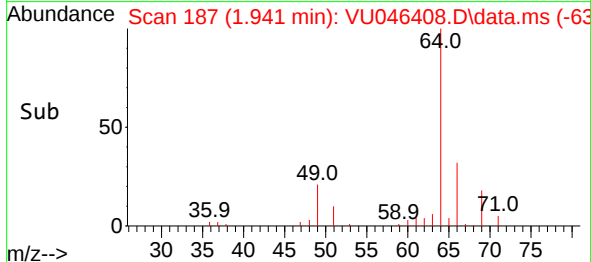
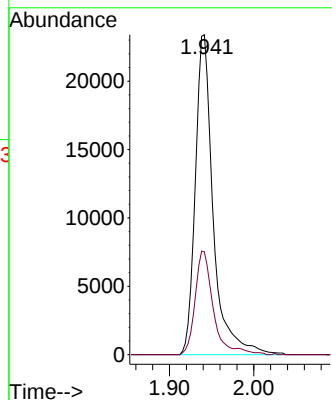
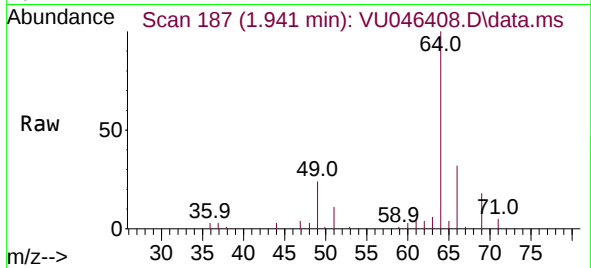




#8
Chloroethane
Concen: 39.104 ug/L
RT: 1.941 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU046408.D
Acq: 15 Dec 2021 19:54

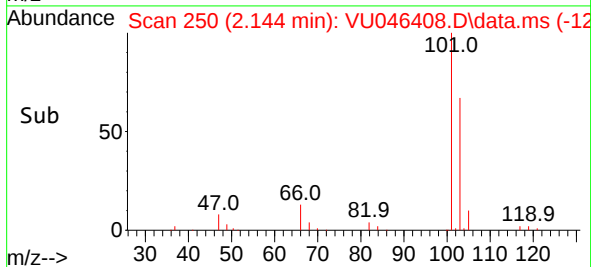
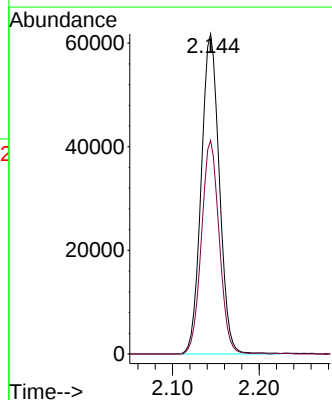
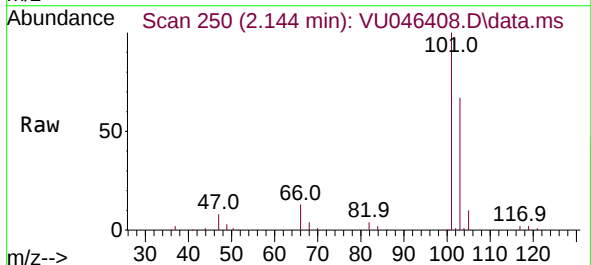
Instrument :
MSVOA_U
ClientSampleId :

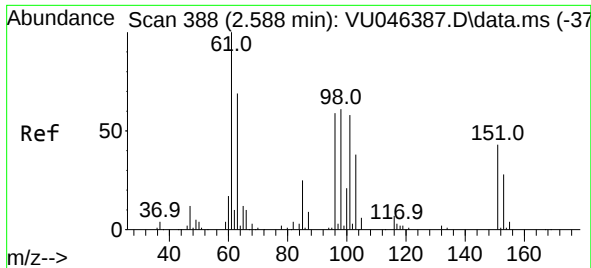
Tgt Ion: 64 Resp: 34583
Ion Ratio Lower Upper
64 100
66 32.1 22.5 41.9



#9
Trichlorofluoromethane
Concen: 44.907 ug/L
RT: 2.144 min Scan# 250
Delta R.T. -0.003 min
Lab File: VU046408.D
Acq: 15 Dec 2021 19:54

Tgt Ion:101 Resp: 89552
Ion Ratio Lower Upper
101 100
103 65.5 51.8 77.6

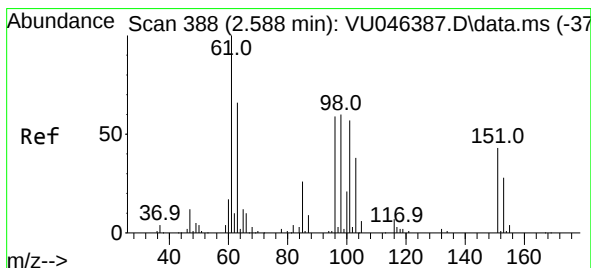
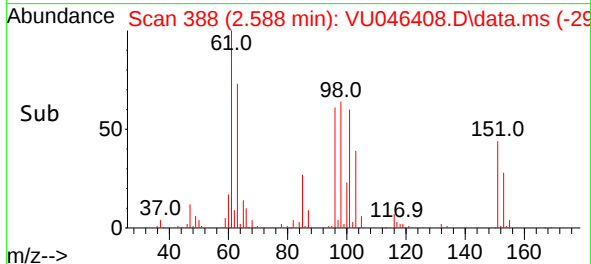
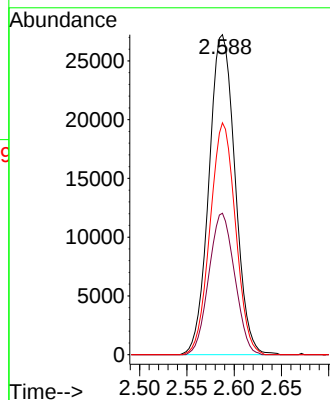
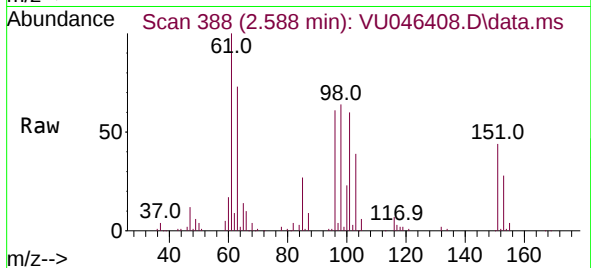




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 46.251 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. -0.000 min
 Lab File: VU046408.D
 Acq: 15 Dec 2021 19:54

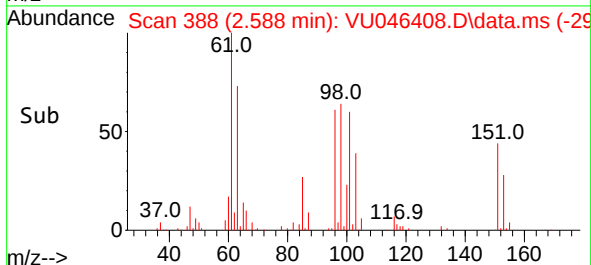
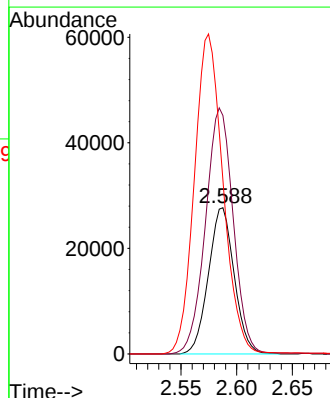
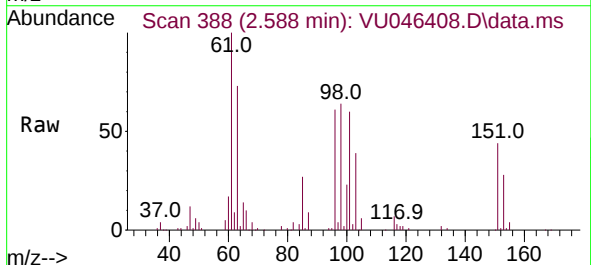
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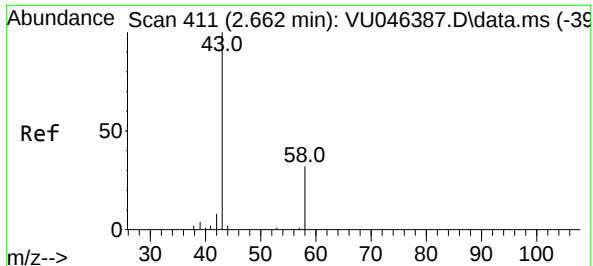
Tgt Ion:101 Resp: 52389
 Ion Ratio Lower Upper
 101 100
 85 43.5 35.1 52.7
 151 70.6 56.7 85.1



#12
 1,1-Dichloroethene
 Concen: 41.447 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. -0.000 min
 Lab File: VU046408.D
 Acq: 15 Dec 2021 19:54

Tgt Ion: 96 Resp: 44612
 Ion Ratio Lower Upper
 96 100
 61 163.1 118.6 220.2
 63 119.0 93.0 172.8





#13

Acetone

Concen: 61.304 ug/L

RT: 2.652 min Scan# 408

Delta R.T. -0.010 min

Lab File: VU046408.D

Acq: 15 Dec 2021 19:54

Instrument :

MSVOA_U

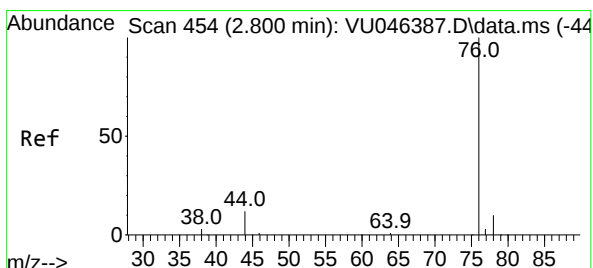
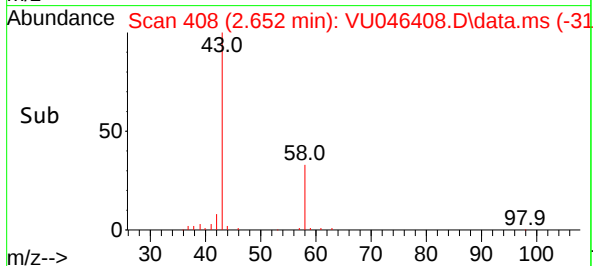
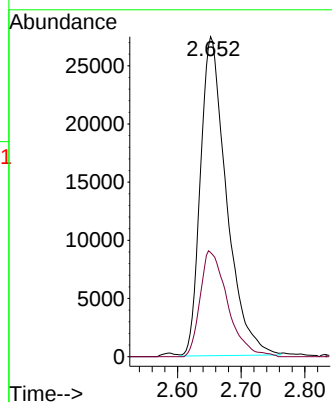
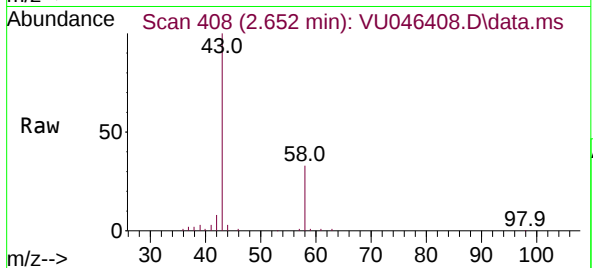
ClientSampleId :

Tgt Ion: 43 Resp: 78102

Ion Ratio Lower Upper

43 100

58 34.9 0.0 66.8



#14

Carbon disulfide

Concen: 28.719 ug/L

RT: 2.800 min Scan# 454

Delta R.T. -0.000 min

Lab File: VU046408.D

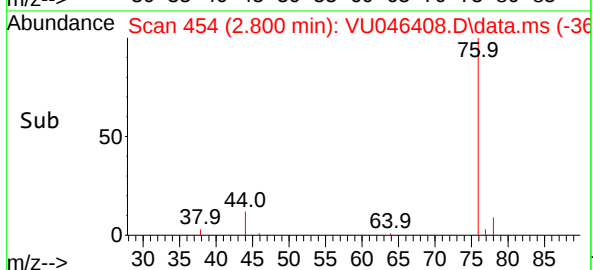
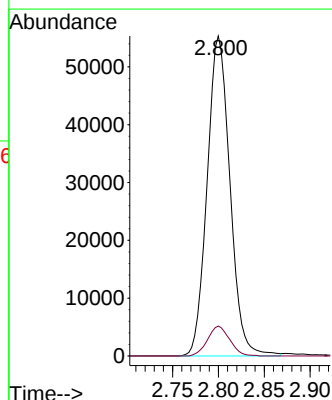
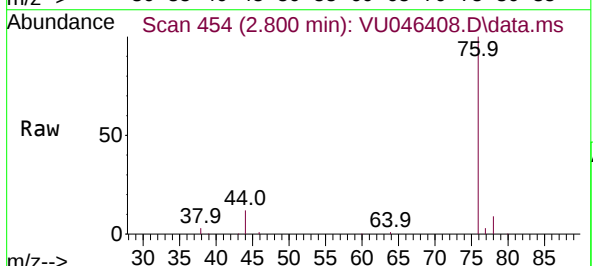
Acq: 15 Dec 2021 19:54

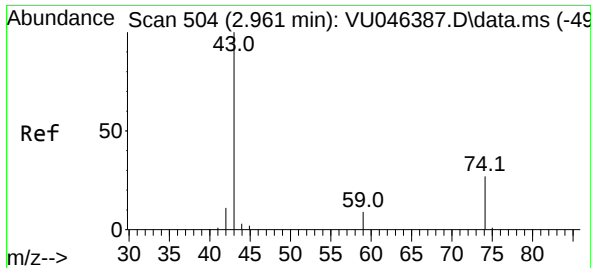
Tgt Ion: 76 Resp: 95905

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

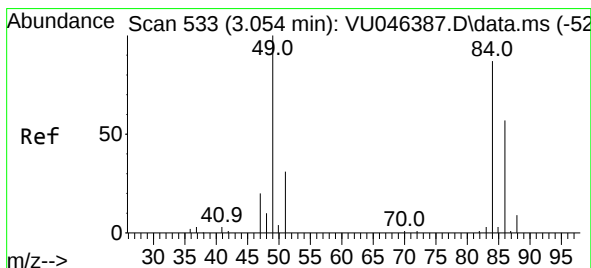
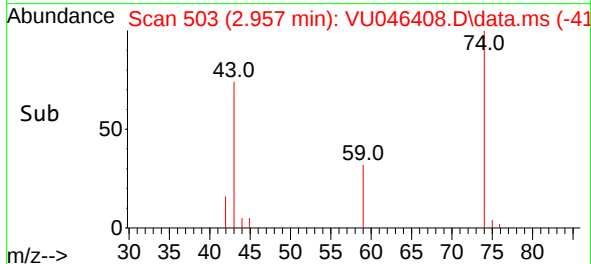
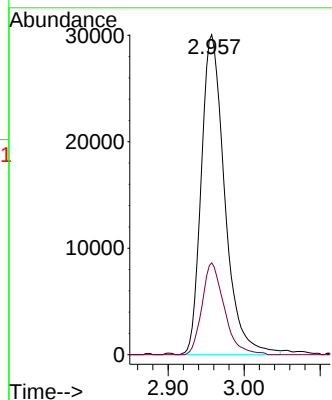
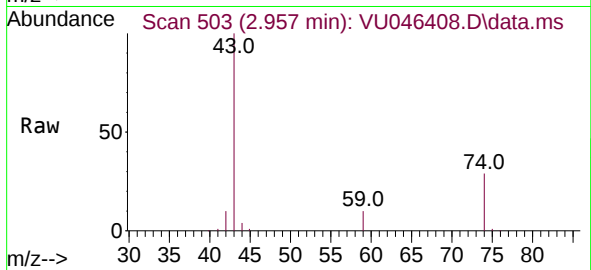




#15
Methyl Acetate
Concen: 43.359 ug/L
RT: 2.957 min Scan# 504
Delta R.T. -0.003 min
Lab File: VU046408.D
Acq: 15 Dec 2021 19:54

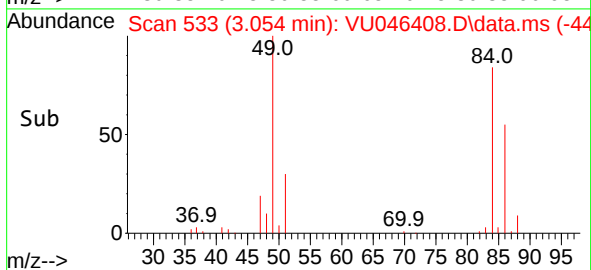
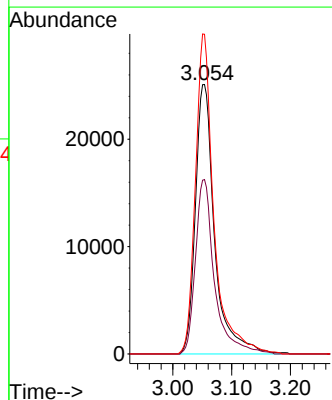
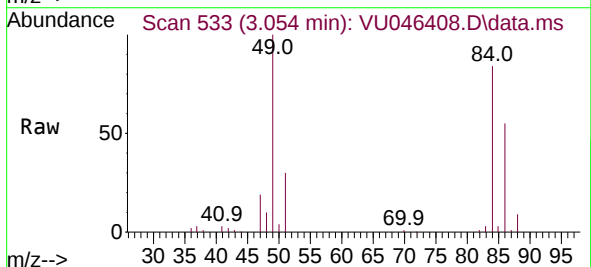
Instrument :
MSVOA_U
ClientSampleId :

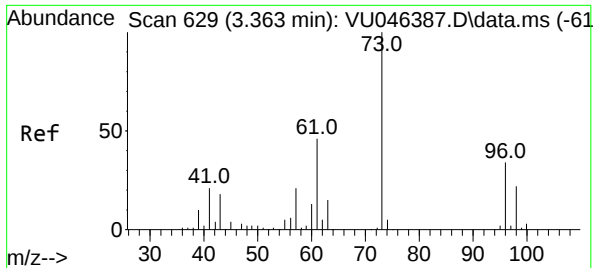
Tgt Ion: 43 Resp: 64396
Ion Ratio Lower Upper
43 100
74 27.2 20.8 31.2



#16
Methylene chloride
Concen: 44.507 ug/L
RT: 3.054 min Scan# 533
Delta R.T. -0.000 min
Lab File: VU046408.D
Acq: 15 Dec 2021 19:54

Tgt Ion: 84 Resp: 56997
Ion Ratio Lower Upper
84 100
86 64.7 44.7 83.1
49 118.6 78.4 145.6

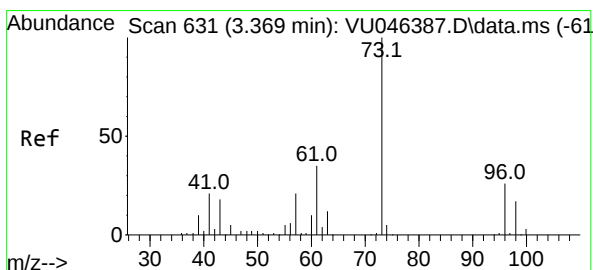
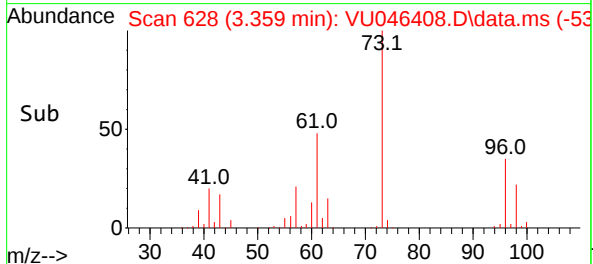
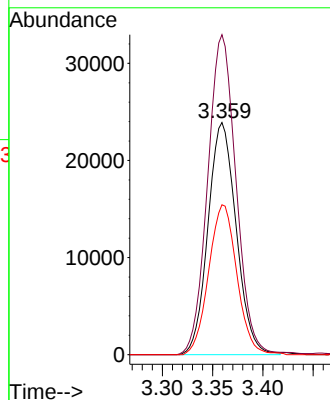
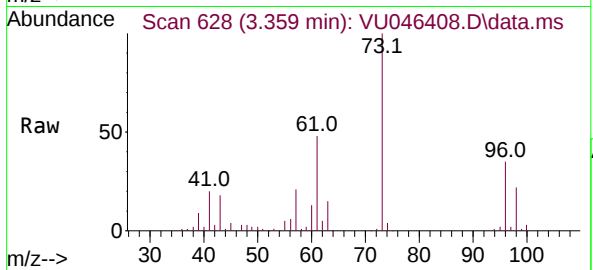




#17
trans-1,2-Dichloroethene
Concen: 40.994 ug/L
RT: 3.359 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU046408.D
Acq: 15 Dec 2021 19:54

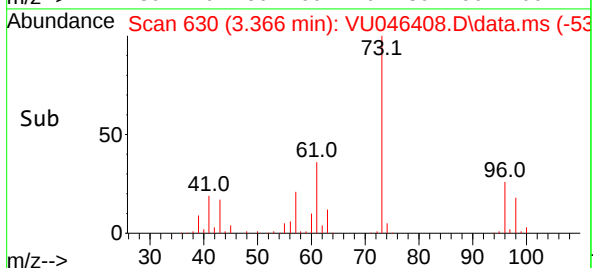
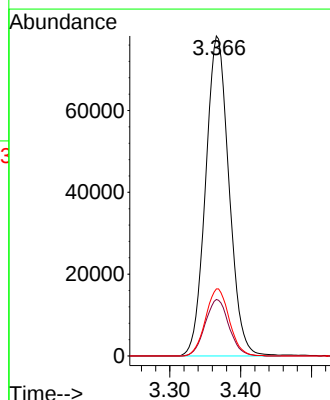
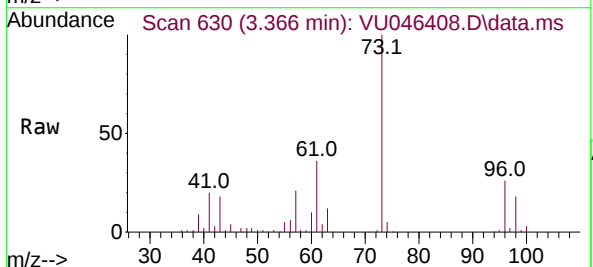
Instrument :
MSVOA_U
ClientSampleId :

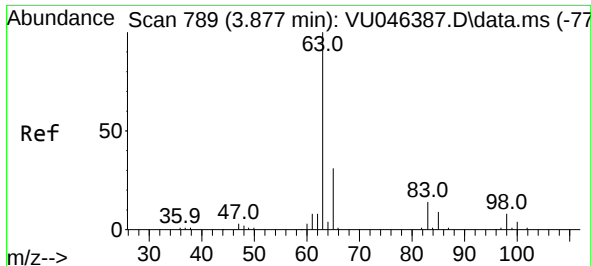
Tgt Ion: 96 Resp: 46696
Ion Ratio Lower Upper
96 100
61 137.8 94.6 175.6
98 64.5 44.0 81.8



#18
Methyl tert-butyl Ether
Concen: 51.043 ug/L
RT: 3.366 min Scan# 630
Delta R.T. -0.003 min
Lab File: VU046408.D
Acq: 15 Dec 2021 19:54

Tgt Ion: 73 Resp: 179186
Ion Ratio Lower Upper
73 100
43 18.0 14.0 21.0
57 21.3 17.0 25.4





#19

1,1-Dichloroethane

Concen: 48.704 ug/L

RT: 3.877 min Scan# 71

Delta R.T. -0.000 min

Lab File: VU046408.D

Acq: 15 Dec 2021 19:54

Instrument :

MSVOA_U

ClientSampleId :

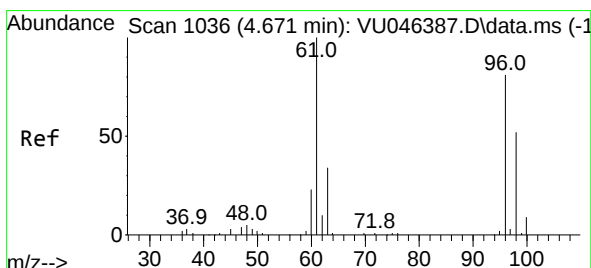
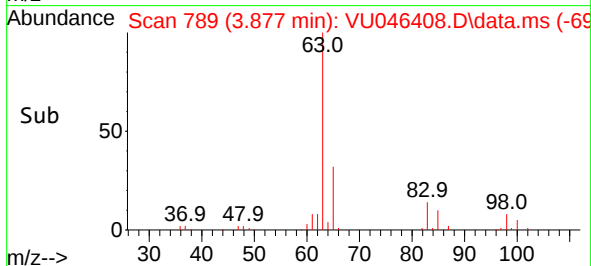
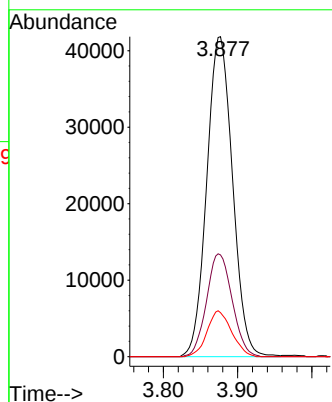
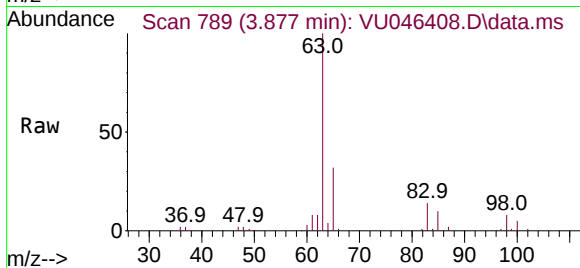
Tgt Ion: 63 Resp: 100871

Ion Ratio Lower Upper

63 100

65 31.8 22.8 42.4

83 13.7 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 47.498 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VU046408.D

Acq: 15 Dec 2021 19:54

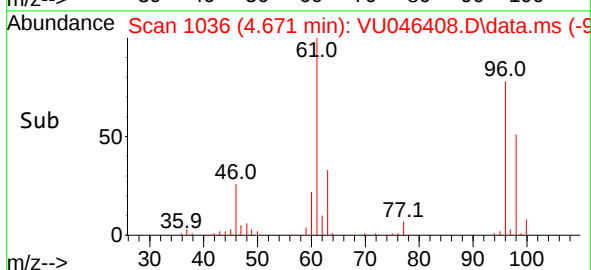
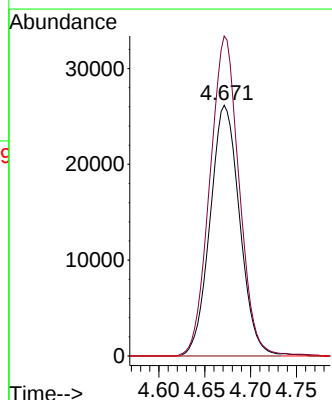
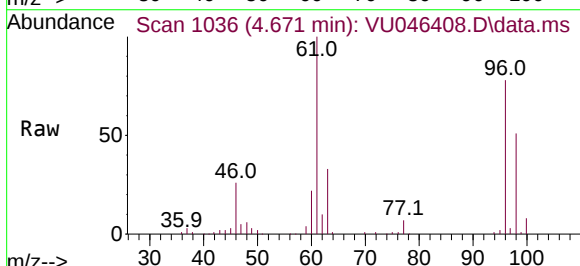
Tgt Ion: 96 Resp: 58706

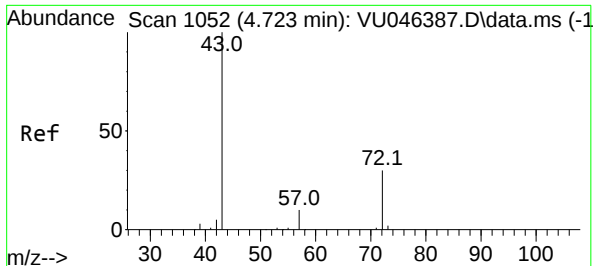
Ion Ratio Lower Upper

96 100

61 127.6 86.8 161.2

68 0.0 0.0 0.0

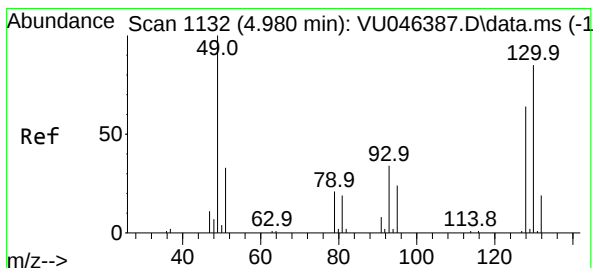
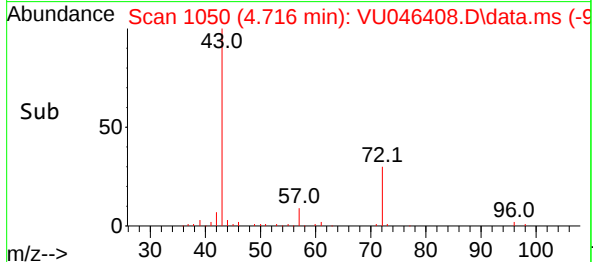
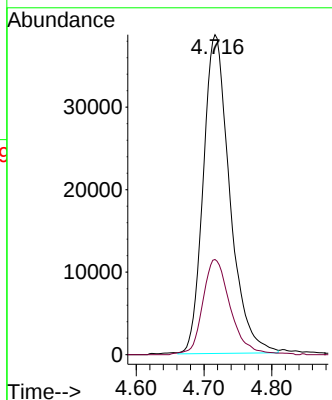
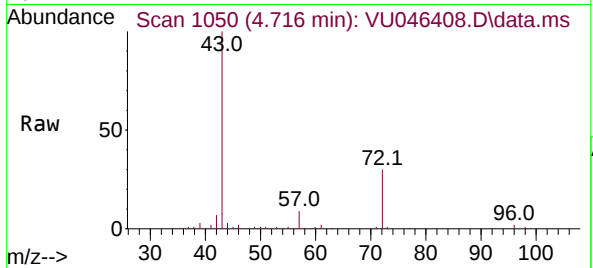




#22
2-Butanone
Concen: 75.790 ug/L
RT: 4.716 min Scan# 1050
Delta R.T. -0.007 min
Lab File: VU046408.D
Acq: 15 Dec 2021 19:54

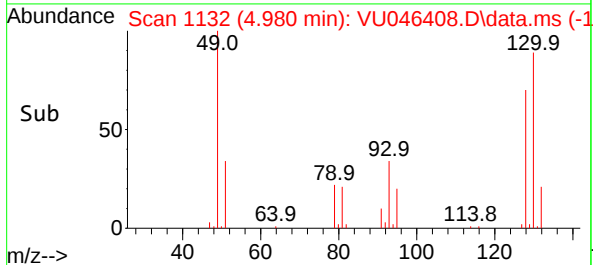
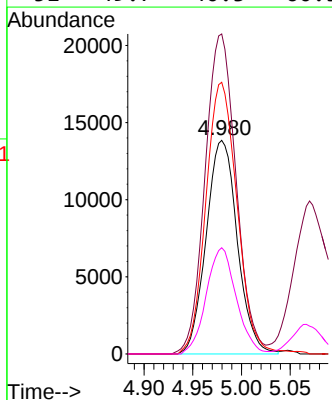
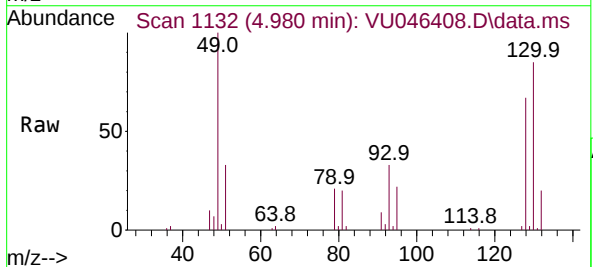
Instrument :
MSVOA_U
ClientSampleId :

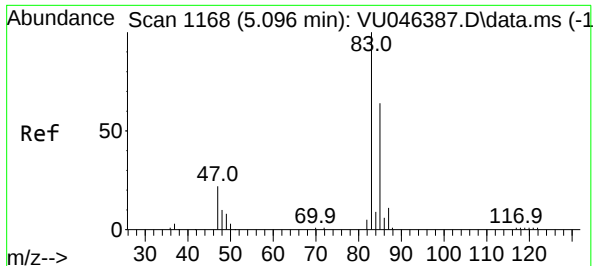
Tgt Ion: 43 Resp: 105112
Ion Ratio Lower Upper
43 100
72 31.0 14.5 43.6



#23
Bromochloromethane
Concen: 49.310 ug/L
RT: 4.980 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VU046408.D
Acq: 15 Dec 2021 19:54

Tgt Ion: 128 Resp: 30781
Ion Ratio Lower Upper
128 100
49 149.8 115.9 215.3
130 127.2 91.8 170.4
51 49.7 40.3 60.5





#25

Chloroform

Concen: 48.343 ug/L

RT: 5.092 min Scan# 1168

Delta R.T. -0.003 min

Lab File: VU046408.D

Acq: 15 Dec 2021 19:54

Instrument :

MSVOA_U

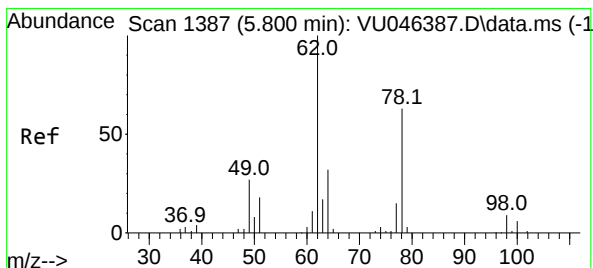
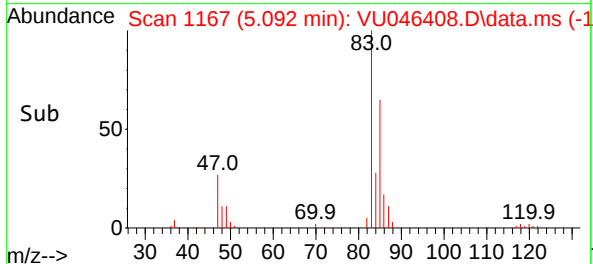
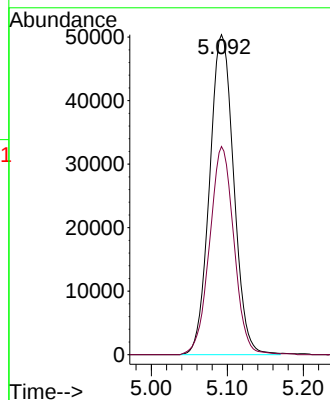
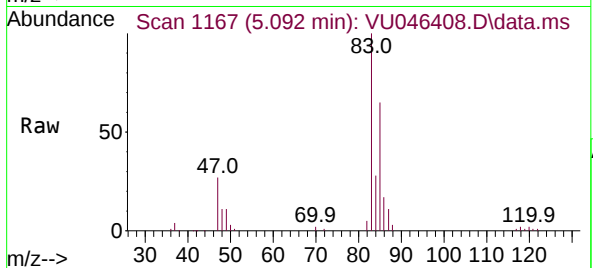
ClientSampleId :

Tgt Ion: 83 Resp: 111243

Ion Ratio Lower Upper

83 100

85 65.1 45.8 85.2



#27

1,2-Dichloroethane

Concen: 51.340 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. -0.003 min

Lab File: VU046408.D

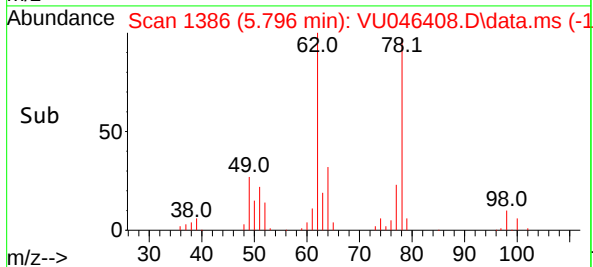
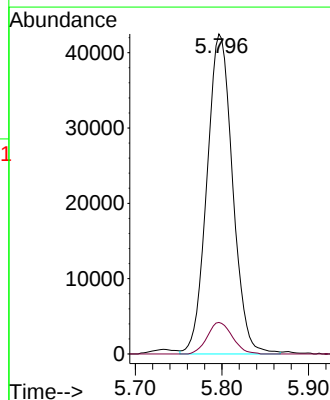
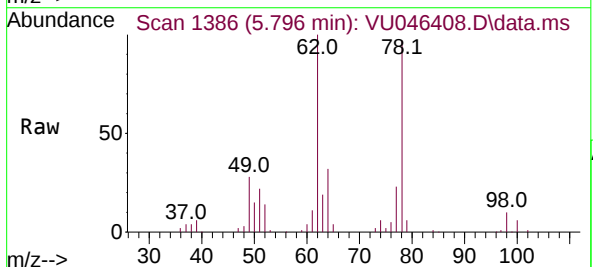
Acq: 15 Dec 2021 19:54

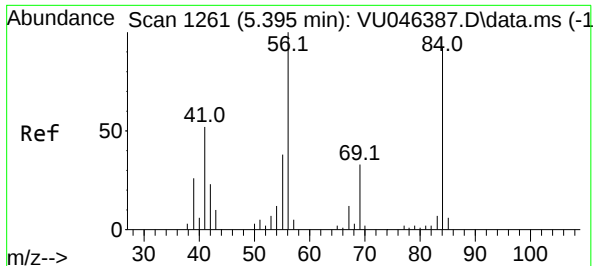
Tgt Ion: 62 Resp: 87668

Ion Ratio Lower Upper

62 100

98 9.8 7.9 11.9





#29

Cyclohexane

Concen: 38.961 ug/L

RT: 5.395 min Scan# 1261

Delta R.T. -0.000 min

Lab File: VU046408.D

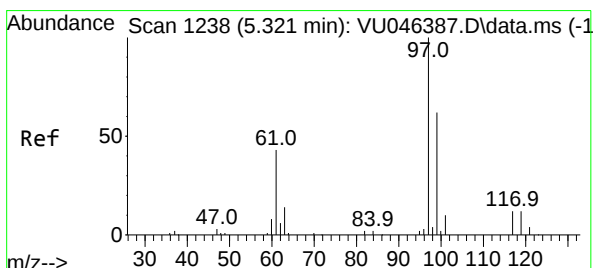
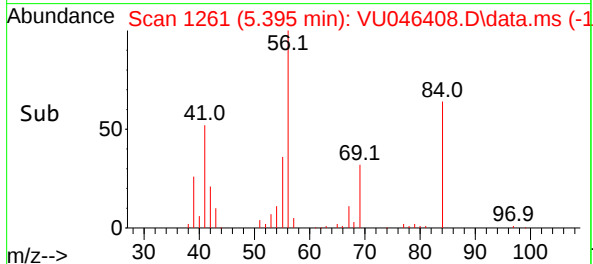
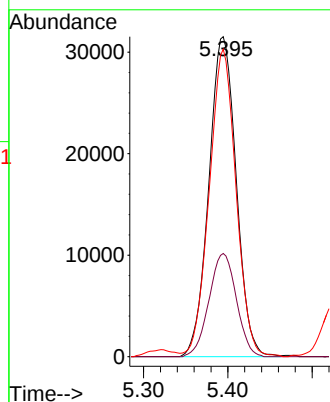
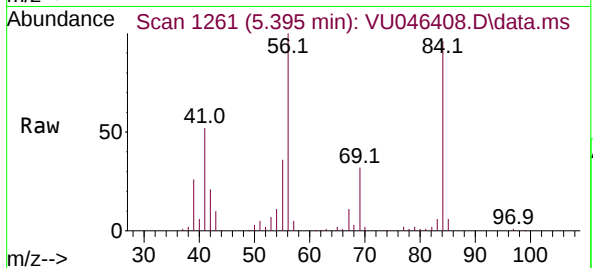
Acq: 15 Dec 2021 19:54

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	56	Resp:	71016
Ion	Ratio	Lower	Upper
56	100		
69	32.3	25.2	37.8
84	94.3	73.3	109.9



#30

1,1,1-Trichloroethane

Concen: 49.667 ug/L

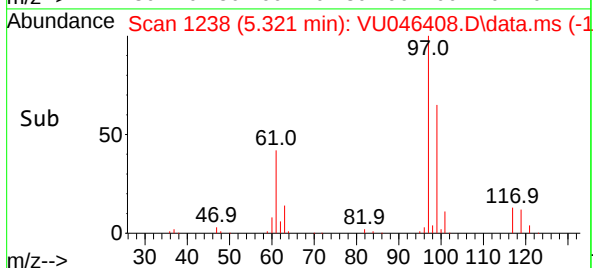
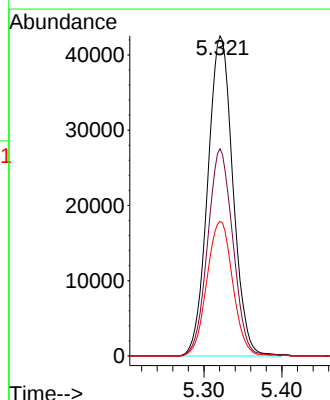
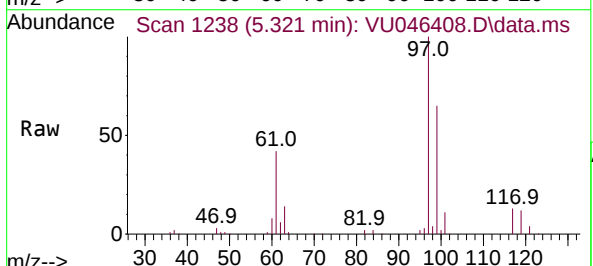
RT: 5.321 min Scan# 1238

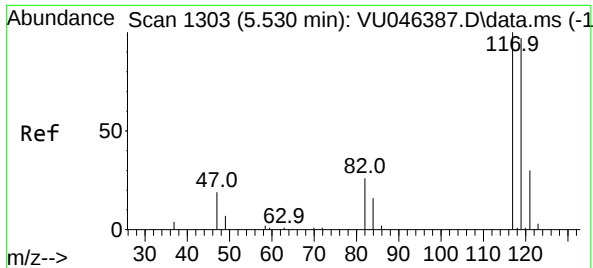
Delta R.T. -0.000 min

Lab File: VU046408.D

Acq: 15 Dec 2021 19:54

Tgt Ion:	97	Resp:	95434
Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.8	77.6
61	43.2	34.4	51.6

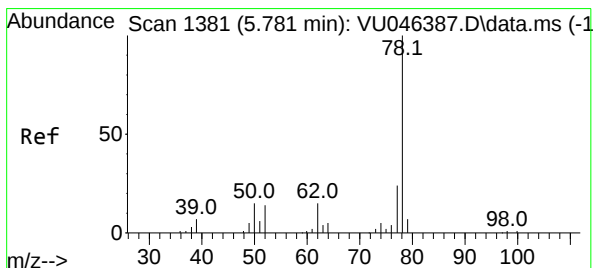
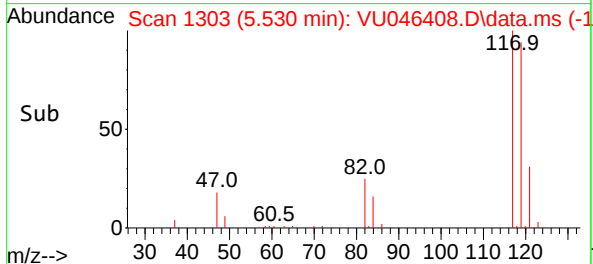
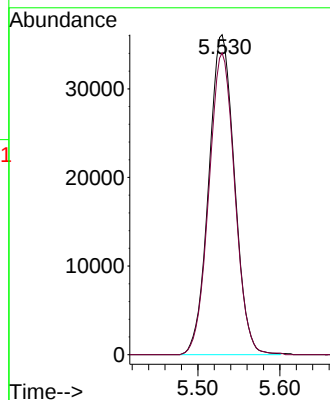
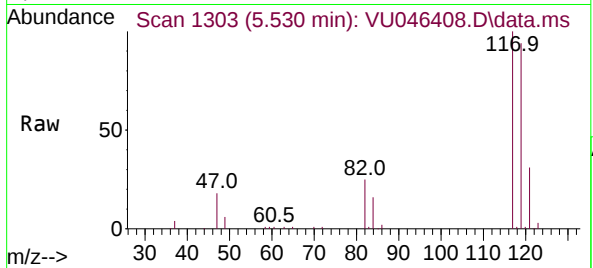




#31
Carbon tetrachloride
Concen: 48.326 ug/L
RT: 5.530 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU046408.D
Acq: 15 Dec 2021 19:54

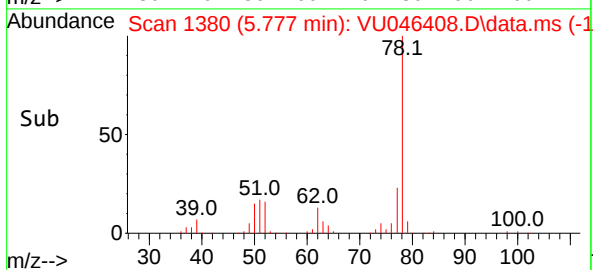
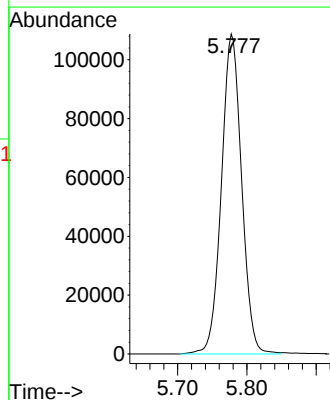
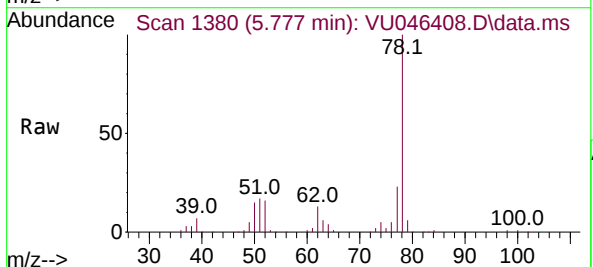
Instrument :
MSVOA_U
ClientSampleId :

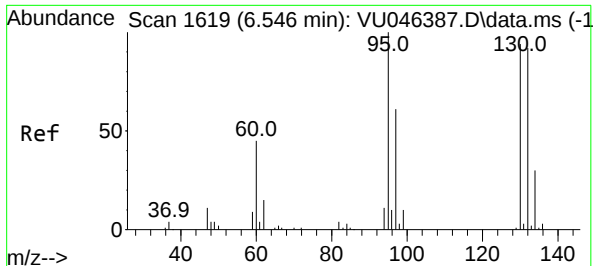
Tgt Ion:117 Resp: 78832
Ion Ratio Lower Upper
117 100
119 94.7 75.7 113.5



#33
Benzene
Concen: 46.549 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.003 min
Lab File: VU046408.D
Acq: 15 Dec 2021 19:54

Tgt Ion: 78 Resp: 220536

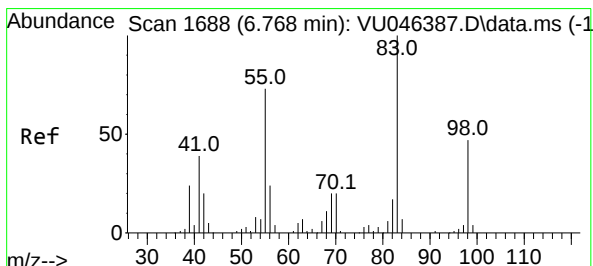
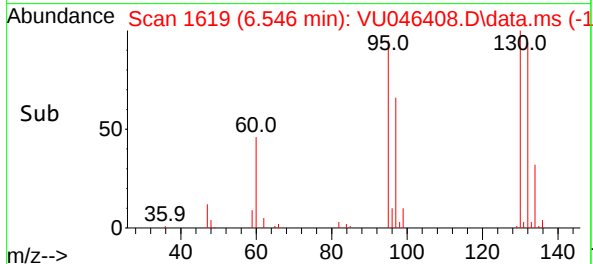
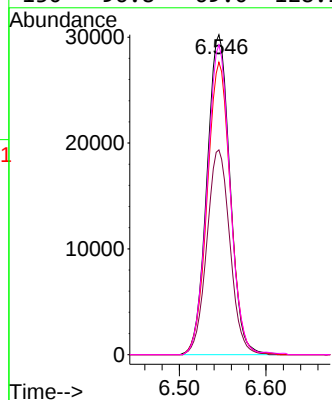
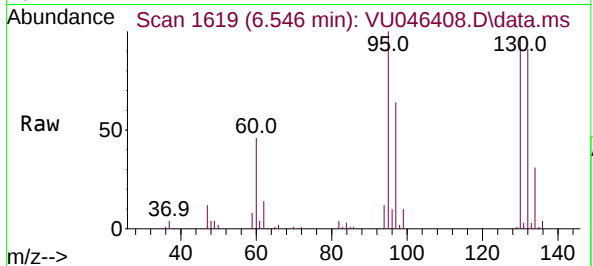




#34
Trichloroethene
Concen: 44.847 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU046408.D
Acq: 15 Dec 2021 19:54

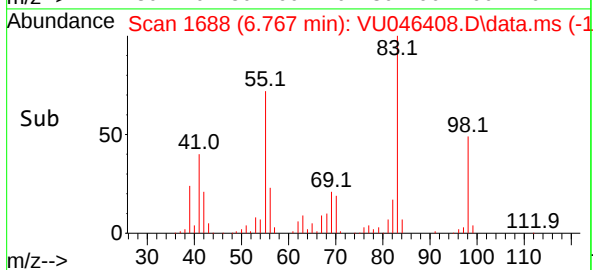
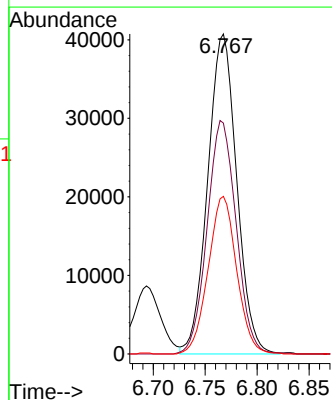
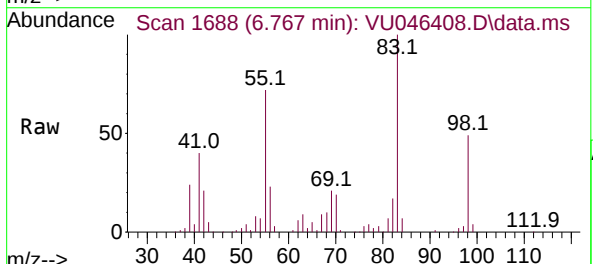
Instrument :
MSVOA_U
ClientSampleId :

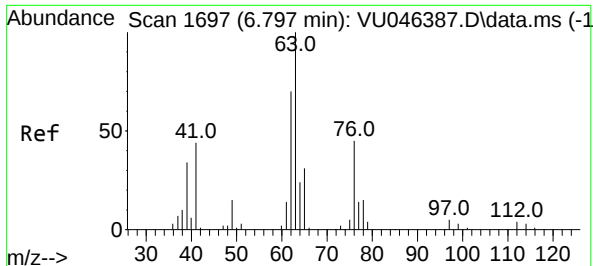
Tgt Ion: 95 Resp: 55974
Ion Ratio Lower Upper
95 100
97 64.0 44.1 81.9
132 91.4 66.8 124.0
130 96.8 69.0 128.1



#35
Methylcyclohexane
Concen: 40.899 ug/L
RT: 6.767 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VU046408.D
Acq: 15 Dec 2021 19:54

Tgt Ion: 83 Resp: 79150
Ion Ratio Lower Upper
83 100
55 73.0 57.8 86.6
98 48.4 38.4 57.6





#37

1,2-Dichloropropane

Concen: 49.077 ug/L

RT: 6.793 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU046408.D

Acq: 15 Dec 2021 19:54

Instrument :

MSVOA_U

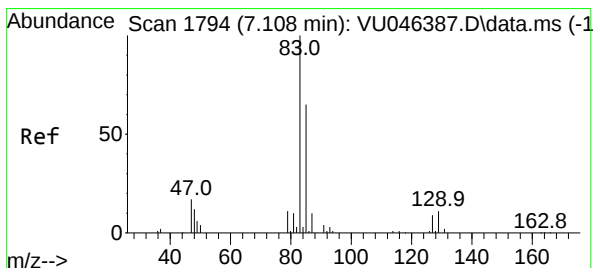
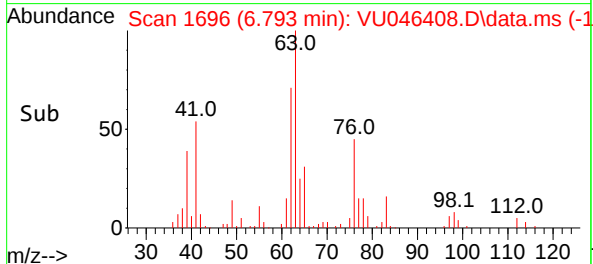
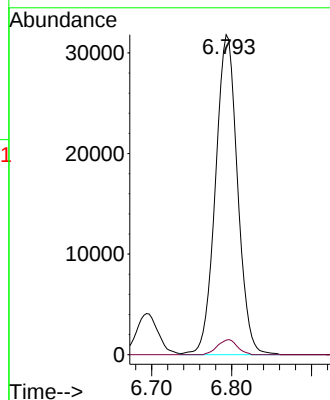
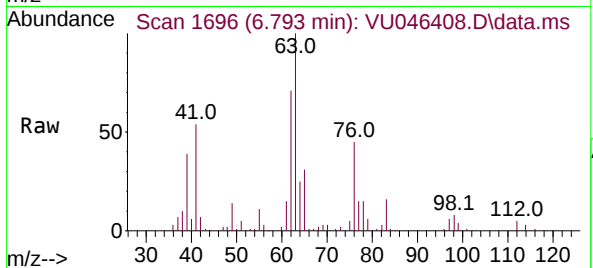
ClientSampleId :

Tgt Ion: 63 Resp: 60909

Ion Ratio Lower Upper

63 100

112 4.2 3.8 5.6



#38

Bromodichloromethane

Concen: 50.770 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VU046408.D

Acq: 15 Dec 2021 19:54

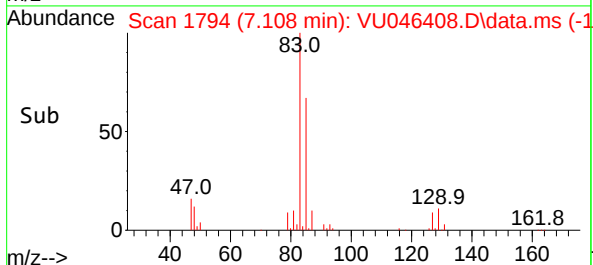
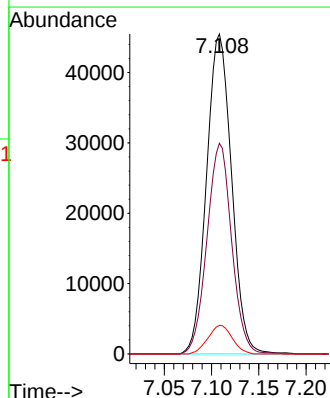
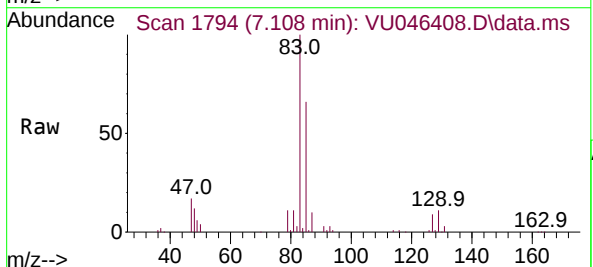
Tgt Ion: 83 Resp: 83751

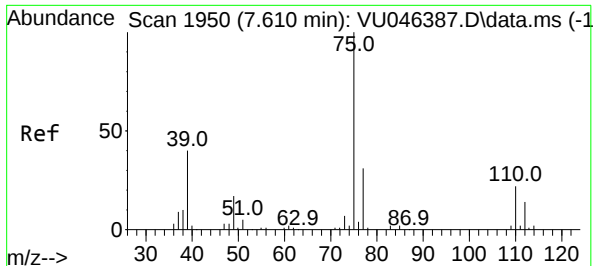
Ion Ratio Lower Upper

83 100

85 65.8 44.4 82.5

127 9.0 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 49.154 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VU046408.D

Acq: 15 Dec 2021 19:54

Instrument :

MSVOA_U

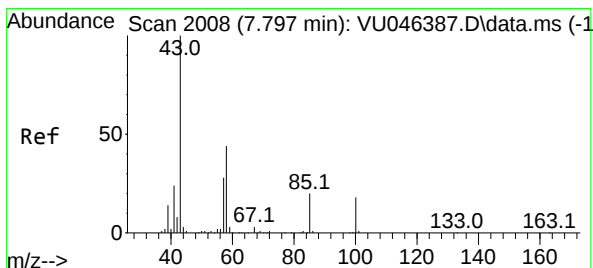
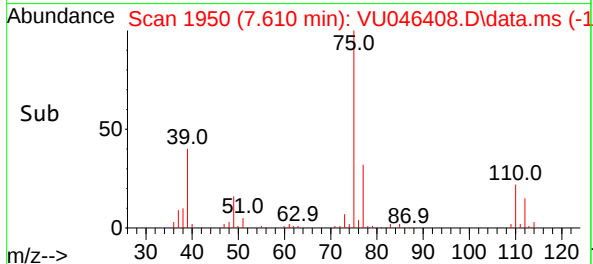
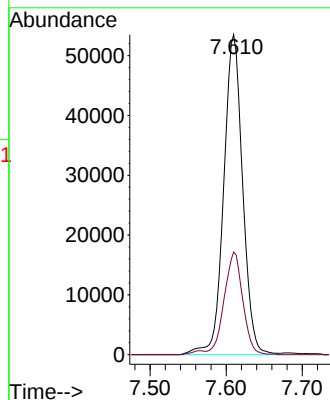
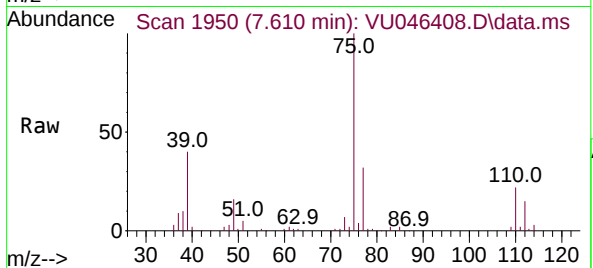
ClientSampleId :

Tgt Ion: 75 Resp: 92805

Ion Ratio Lower Upper

75 100

77 32.1 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 99.183 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.003 min

Lab File: VU046408.D

Acq: 15 Dec 2021 19:54

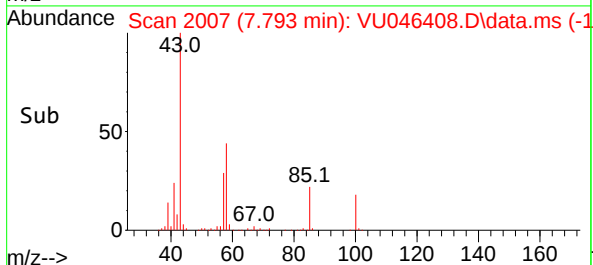
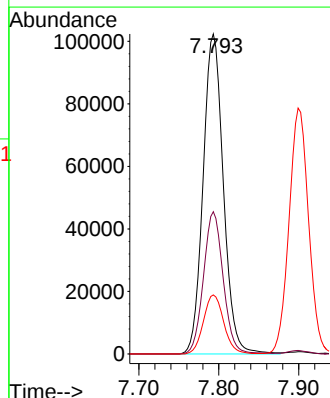
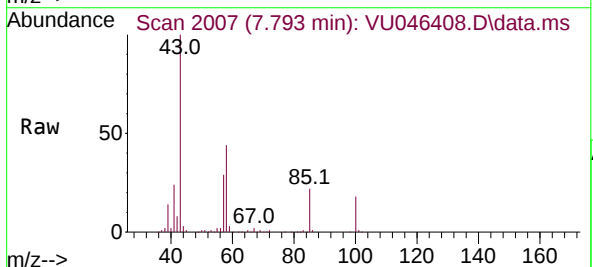
Tgt Ion: 43 Resp: 180856

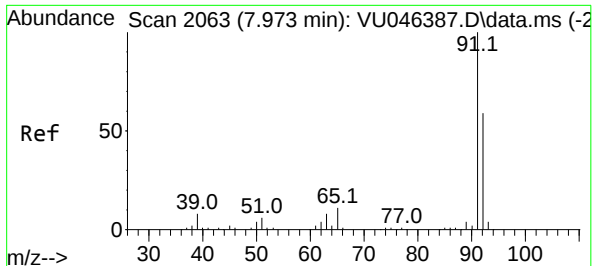
Ion Ratio Lower Upper

43 100

58 43.3 34.2 51.4

100 18.5 14.5 21.7





#42

Toluene

Concen: 47.153 ug/L

RT: 7.970 min Scan# 2063

Delta R.T. -0.003 min

Lab File: VU046408.D

Acq: 15 Dec 2021 19:54

Instrument :

MSVOA_U

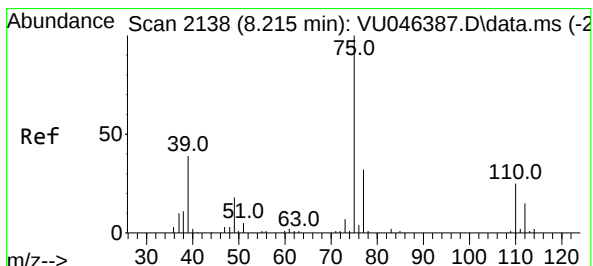
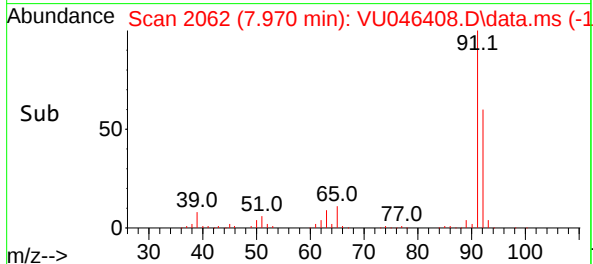
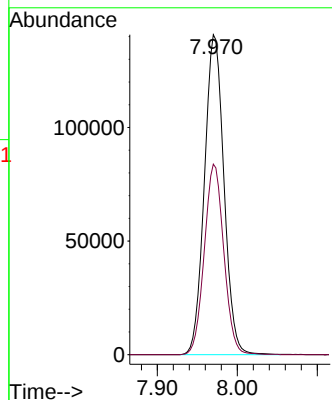
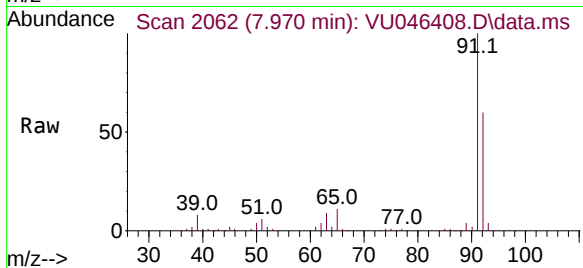
ClientSampleId :

Tgt Ion: 91 Resp: 239711

Ion Ratio Lower Upper

91 100

92 59.6 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 49.013 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.003 min

Lab File: VU046408.D

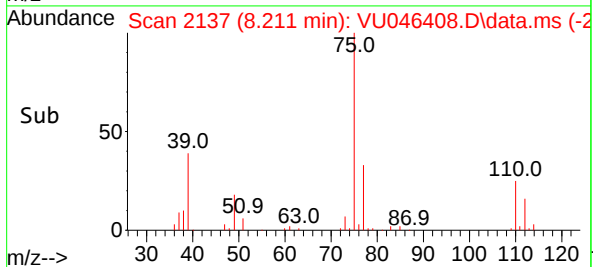
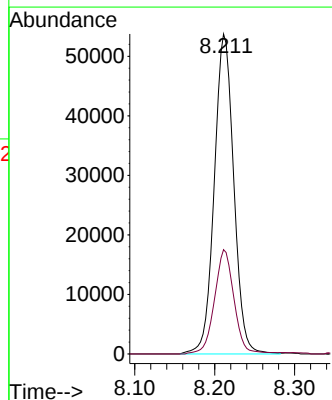
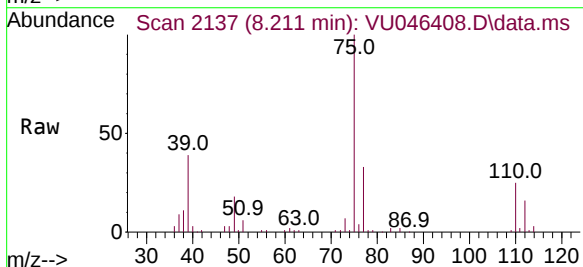
Acq: 15 Dec 2021 19:54

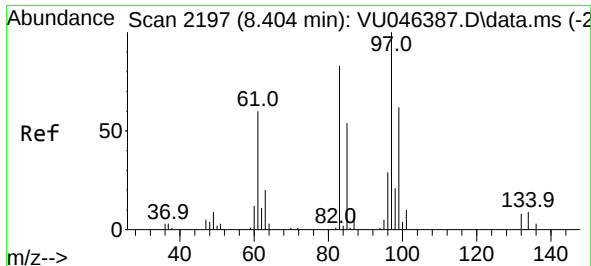
Tgt Ion: 75 Resp: 90889

Ion Ratio Lower Upper

75 100

77 32.6 21.7 40.3

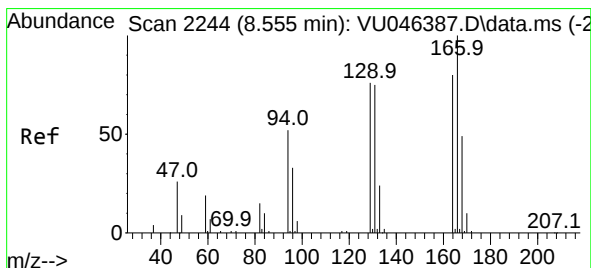
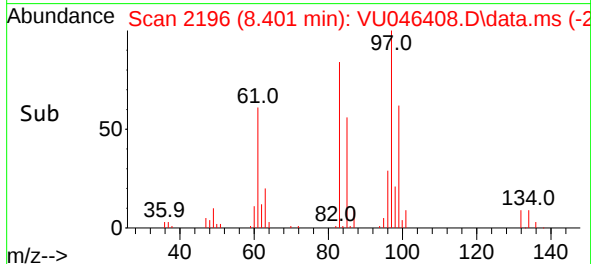
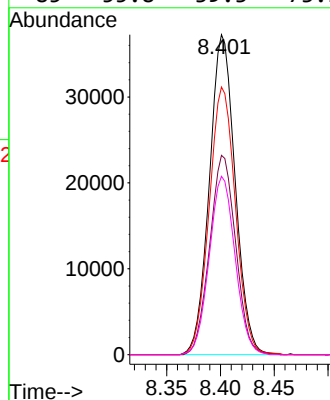
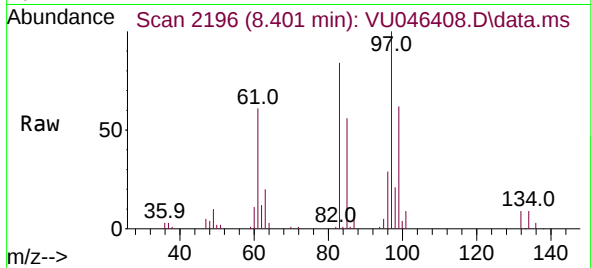




#45
1,1,2-Trichloroethane
Concen: 49.953 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.003 min
Lab File: VU046408.D
Acq: 15 Dec 2021 19:54

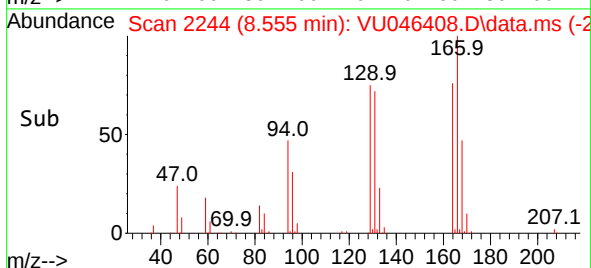
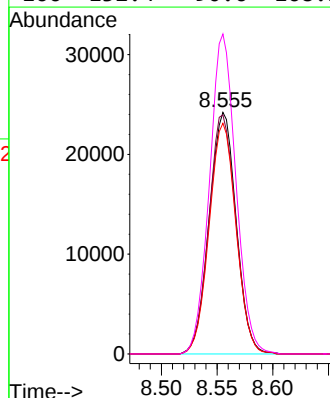
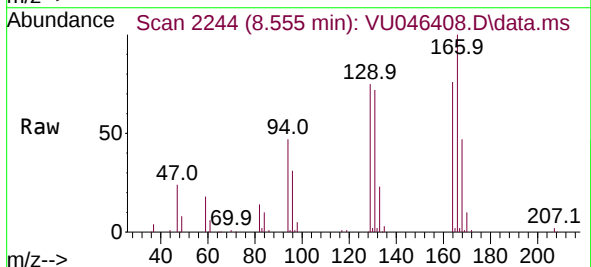
Instrument :
MSVOA_U
ClientSampleId :

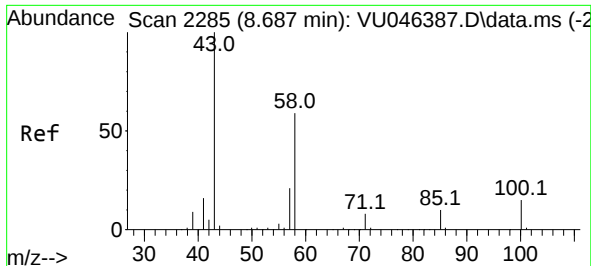
Tgt Ion: 97	Resp: 62198
Ion Ratio	Lower Upper
97 100	
99 62.3	44.7 82.9
83 83.7	60.2 111.8
85 55.8	39.3 73.1



#46
Tetrachloroethene
Concen: 44.469 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU046408.D
Acq: 15 Dec 2021 19:54

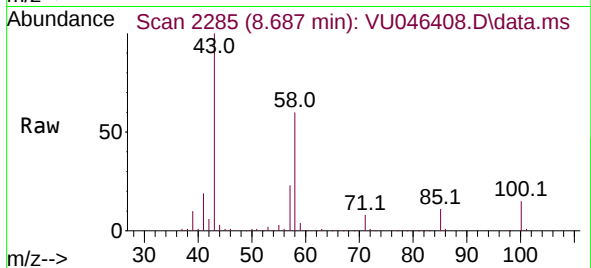
Tgt Ion:164	Resp: 40788		
Ion	Ratio	Lower	Upper
164	100		
129	98.9	71.1	132.1
131	95.4	67.8	126.0
166	132.4	90.6	168.2



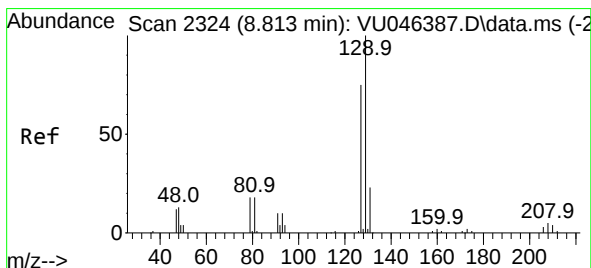
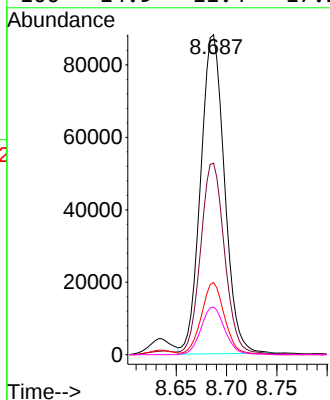
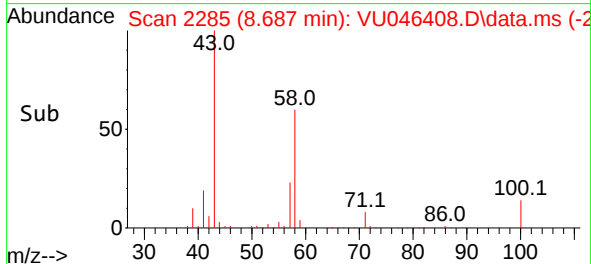


#48
2-Hexanone
Concen: 89.240 ug/L
RT: 8.687 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU046408.D
Acq: 15 Dec 2021 19:54

Instrument :
MSVOA_U
ClientSampleId :

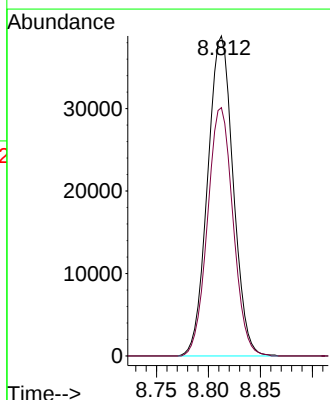
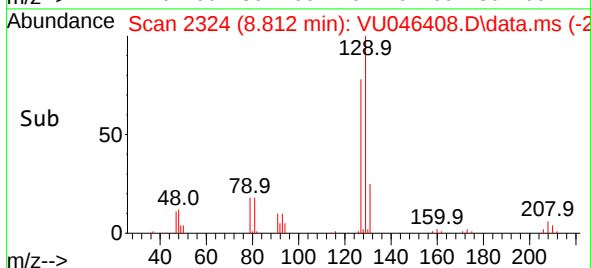
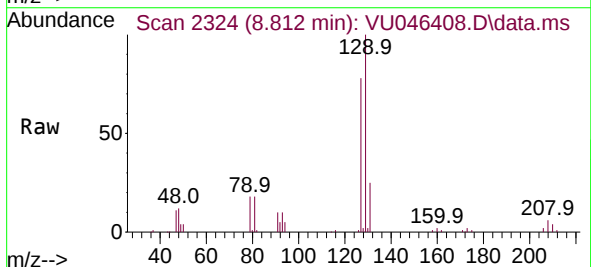


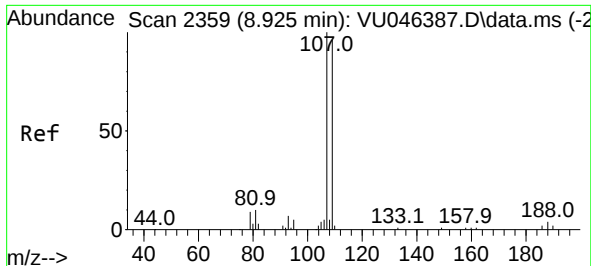
Tgt Ion: 43 Resp: 145530
Ion Ratio Lower Upper
43 100
58 59.8 47.4 71.2
57 22.1 16.6 25.0
100 14.9 11.4 17.2



#49
Dibromochloromethane
Concen: 50.879 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. -0.000 min
Lab File: VU046408.D
Acq: 15 Dec 2021 19:54

Tgt Ion: 129 Resp: 66526
Ion Ratio Lower Upper
129 100
127 77.6 55.6 103.4





#50

1,2-Dibromoethane

Concen: 46.237 ug/L

RT: 8.925 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU046408.D

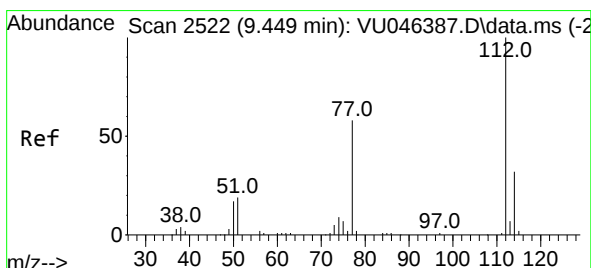
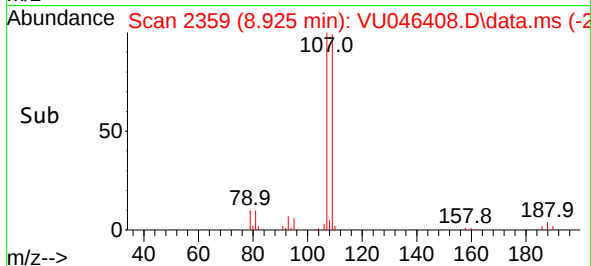
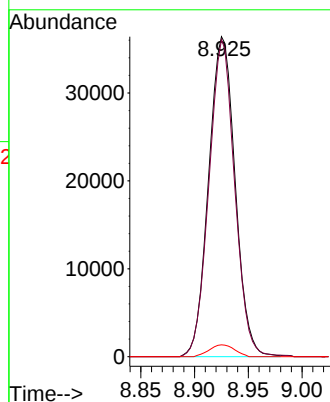
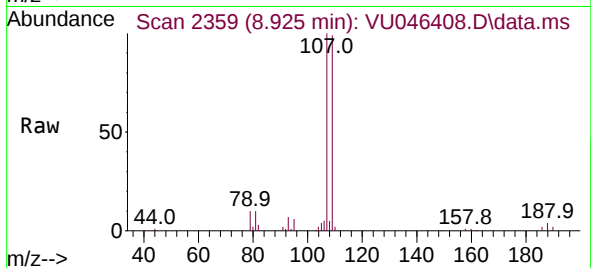
Acq: 15 Dec 2021 19:54

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:107	Resp:	62417
Ion	Ratio	Lower Upper
107	100	
109	99.0	64.9 120.5
188	3.7	2.6 3.8



#51

Chlorobenzene

Concen: 46.529 ug/L

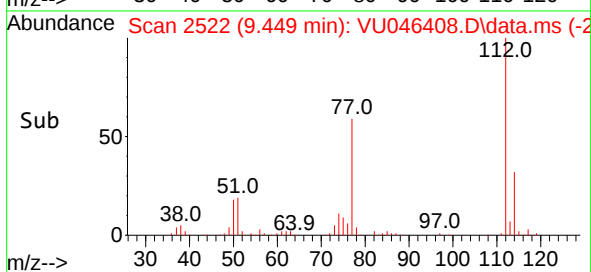
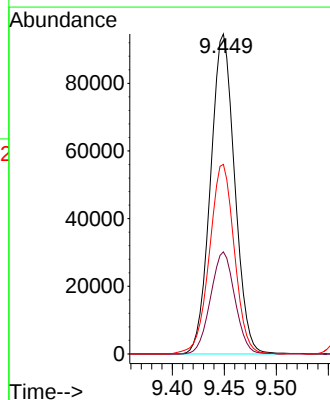
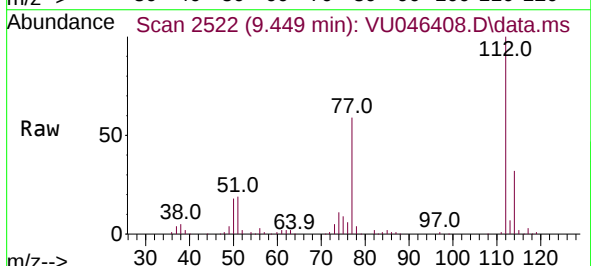
RT: 9.449 min Scan# 2522

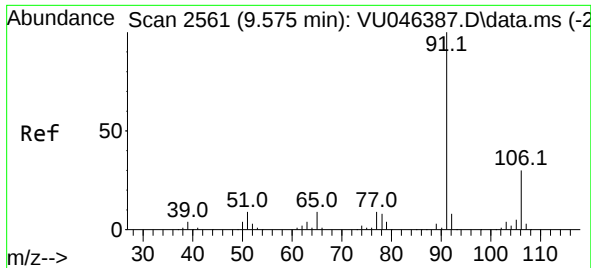
Delta R.T. -0.000 min

Lab File: VU046408.D

Acq: 15 Dec 2021 19:54

Tgt Ion:112	Resp:	153032
Ion	Ratio	Lower Upper
112	100	
114	31.9	22.2 41.2
77	59.2	47.4 71.0

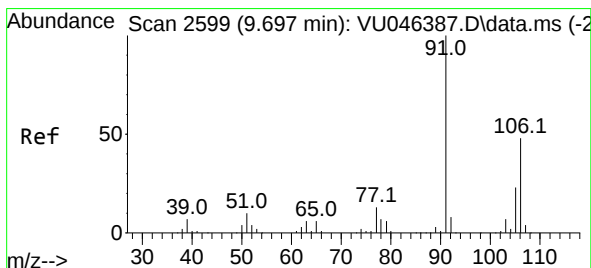
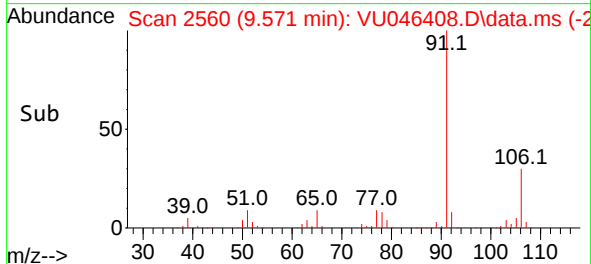
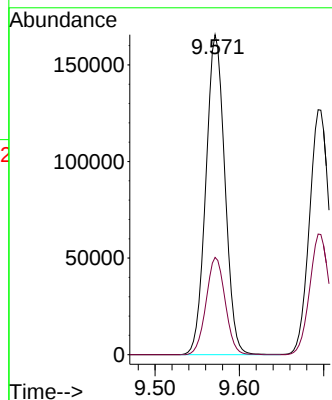
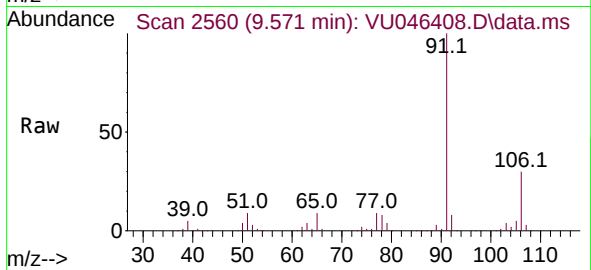




#52
Ethylbenzene
Concen: 47.482 ug/L
RT: 9.571 min Scan# 2561
Delta R.T. -0.003 min
Lab File: VU046408.D
Acq: 15 Dec 2021 19:54

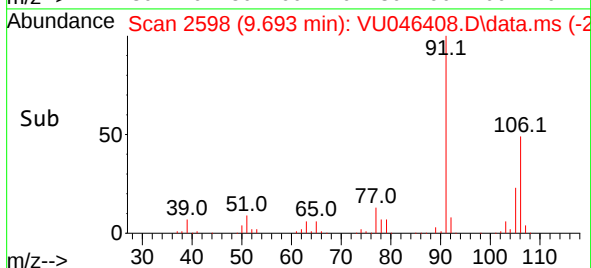
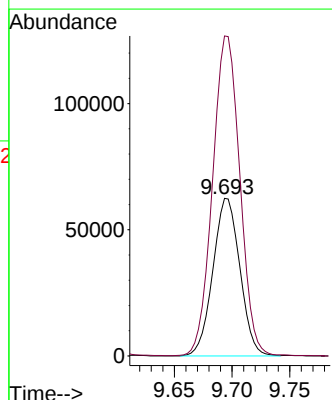
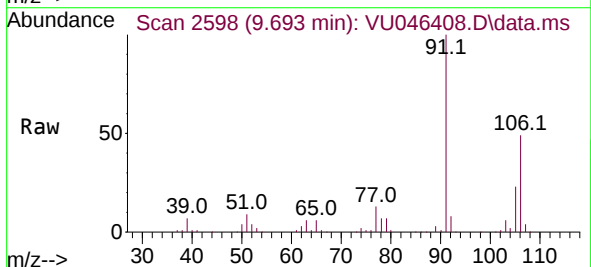
Instrument :
MSVOA_U
ClientSampleId :

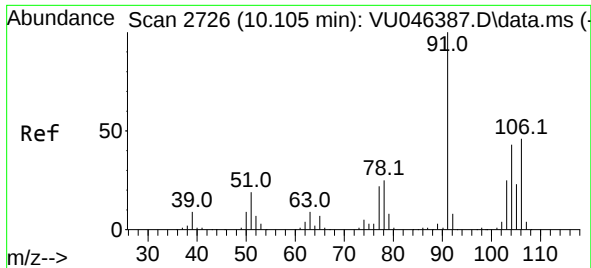
Tgt Ion: 91 Resp: 259781
Ion Ratio Lower Upper
91 100
106 30.4 21.1 39.3



#53
m,p-Xylene
Concen: 47.612 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU046408.D
Acq: 15 Dec 2021 19:54

Tgt Ion:106 Resp: 101590
Ion Ratio Lower Upper
106 100
91 203.0 144.3 268.1

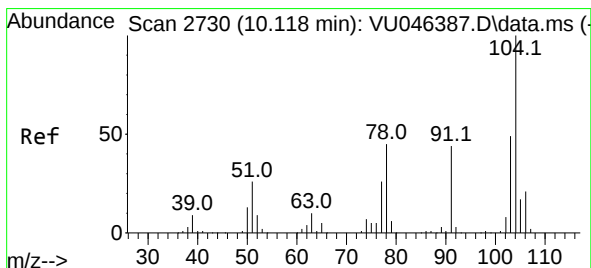
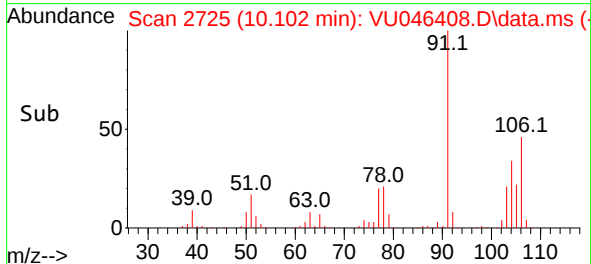
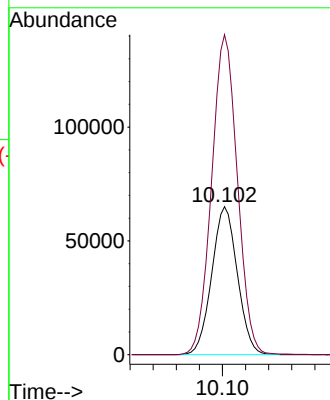
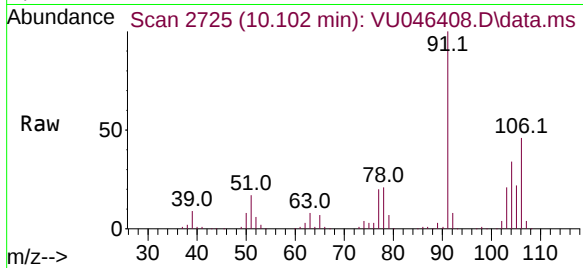




#54
o-xylene
Concen: 48.306 ug/L
RT: 10.102 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU046408.D
Acq: 15 Dec 2021 19:54

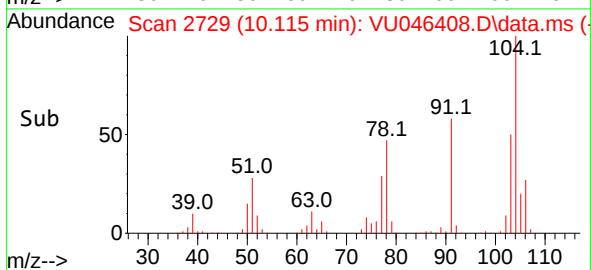
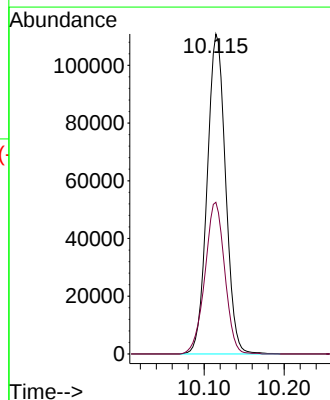
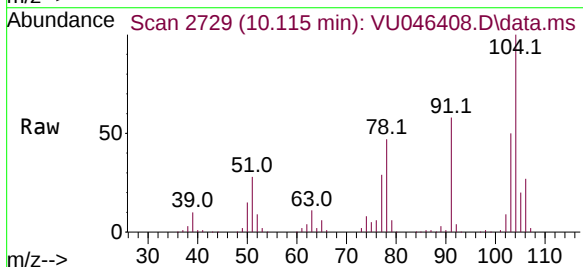
Instrument :
MSVOA_U
ClientSampleId :

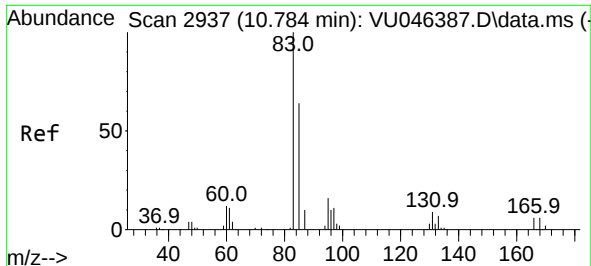
Tgt Ion:106 Resp: 100011
Ion Ratio Lower Upper
106 100
91 216.2 154.2 286.4



#55
Styrene
Concen: 50.164 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VU046408.D
Acq: 15 Dec 2021 19:54

Tgt Ion:104 Resp: 177318
Ion Ratio Lower Upper
104 100
78 47.4 32.6 60.5





#57

1,1,2,2-Tetrachloroethane

Concen: 51.298 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VU046408.D

Acq: 15 Dec 2021 19:54

Instrument :

MSVOA_U

ClientSampleId :

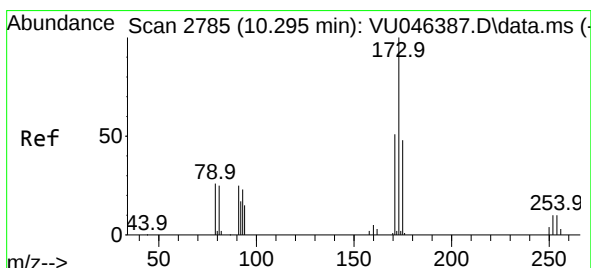
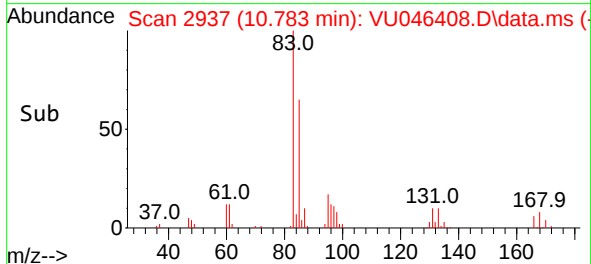
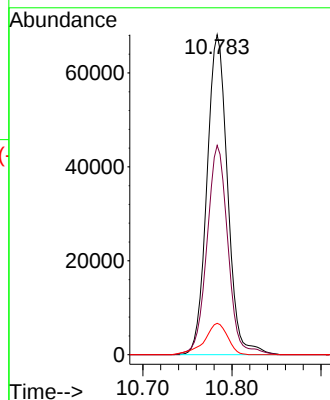
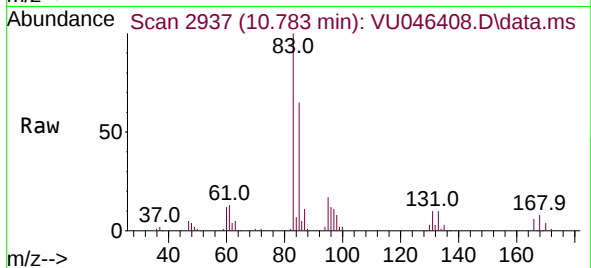
Tgt Ion: 83 Resp: 109506

Ion Ratio Lower Upper

83 100

85 65.4 45.6 84.6

131 9.8 7.8 11.6



#59

Bromoform

Concen: 48.487 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. -0.003 min

Lab File: VU046408.D

Acq: 15 Dec 2021 19:54

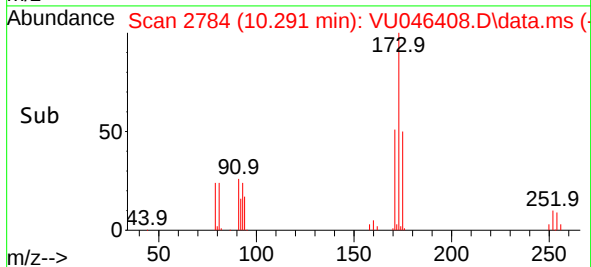
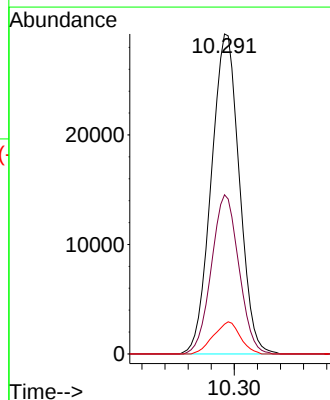
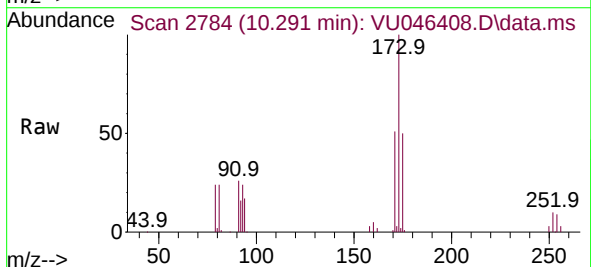
Tgt Ion:173 Resp: 49234

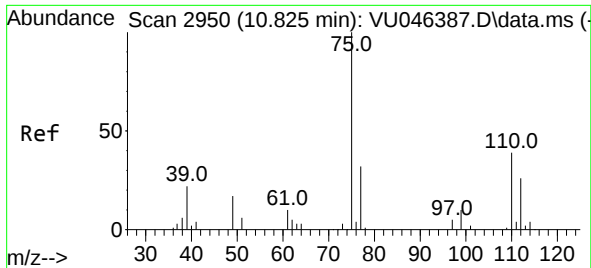
Ion Ratio Lower Upper

173 100

175 48.7 39.2 58.8

254 9.5 7.4 11.2

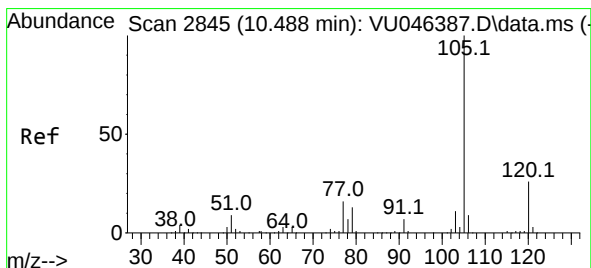
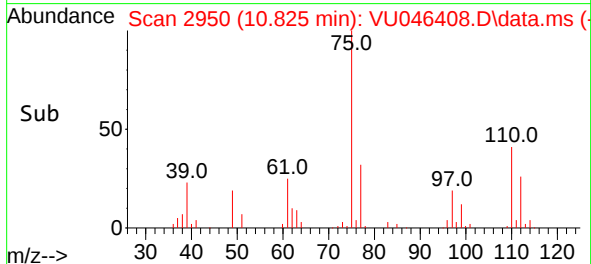
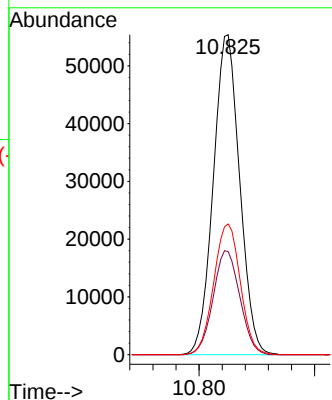
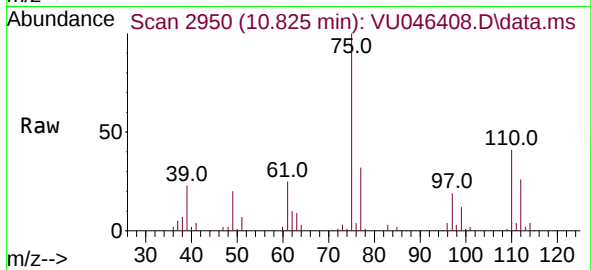




#60
1,2,3-Trichloropropane
Concen: 46.276 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. -0.000 min
Lab File: VU046408.D
Acq: 15 Dec 2021 19:54

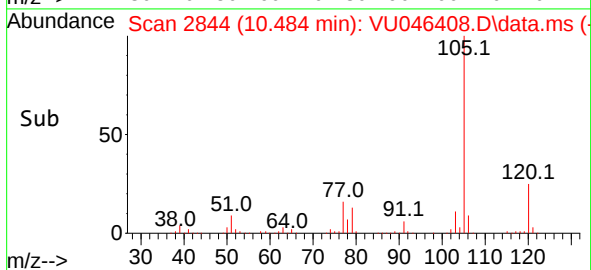
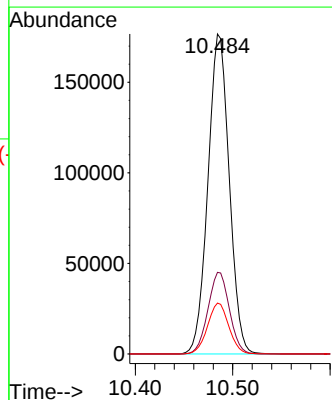
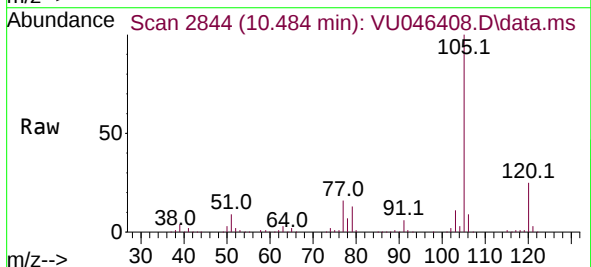
Instrument :
MSVOA_U
ClientSampleId :

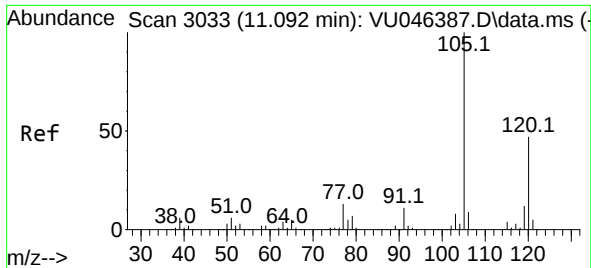
Tgt Ion: 75 Resp: 87804
Ion Ratio Lower Upper
75 100
77 32.9 26.4 39.6
110 41.2 32.4 48.6



#61
Isopropylbenzene
Concen: 47.557 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.003 min
Lab File: VU046408.D
Acq: 15 Dec 2021 19:54

Tgt Ion: 105 Resp: 267831
Ion Ratio Lower Upper
105 100
120 25.6 20.7 31.1
77 15.9 12.2 18.4

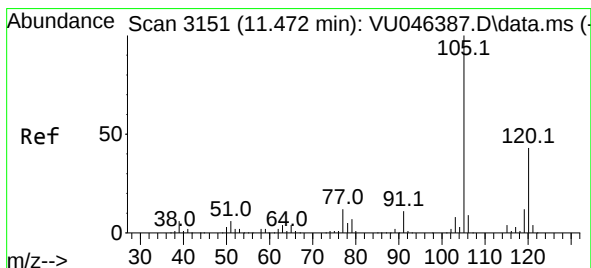
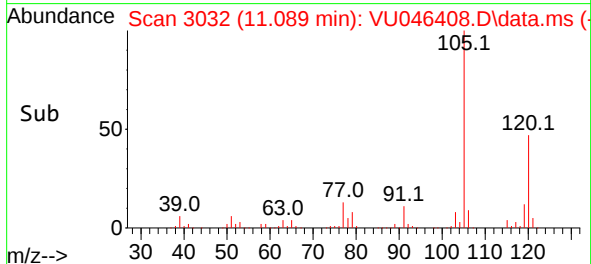
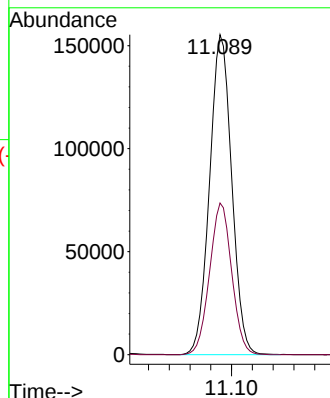
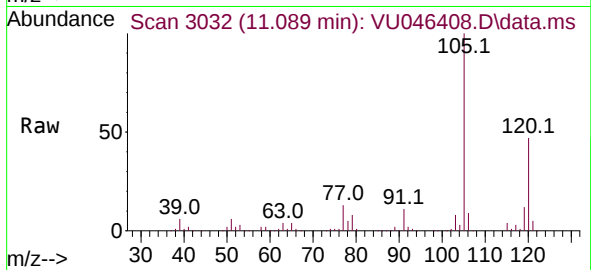




#62
 1,3,5-Trimethylbenzene
 Concen: 48.865 ug/L
 RT: 11.089 min Scan# 3033
 Delta R.T. -0.003 min
 Lab File: VU046408.D
 Acq: 15 Dec 2021 19:54

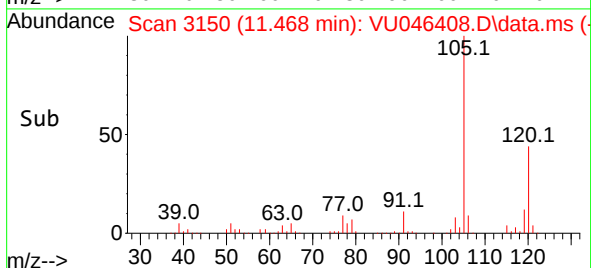
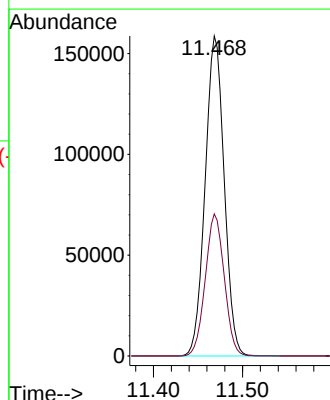
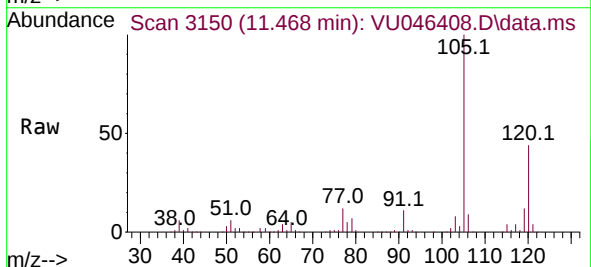
Instrument :
 MSVOA_U
 ClientSampleId :

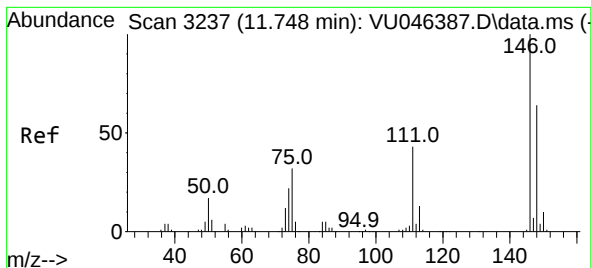
Tgt Ion:105 Resp: 229377
 Ion Ratio Lower Upper
 105 100
 120 47.3 37.8 56.6



#63
 1,2,4-Trimethylbenzene
 Concen: 50.076 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. -0.003 min
 Lab File: VU046408.D
 Acq: 15 Dec 2021 19:54

Tgt Ion:105 Resp: 235177
 Ion Ratio Lower Upper
 105 100
 120 44.2 35.2 52.8





#64

1,3-Dichlorobenzene

Concen: 46.019 ug/L

RT: 11.745 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU046408.D

Acq: 15 Dec 2021 19:54

Instrument :

MSVOA_U

ClientSampleId :

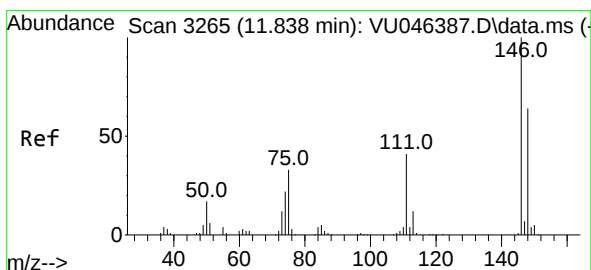
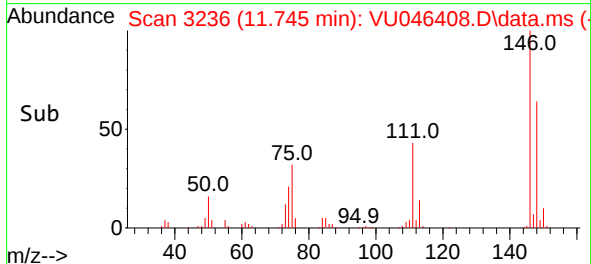
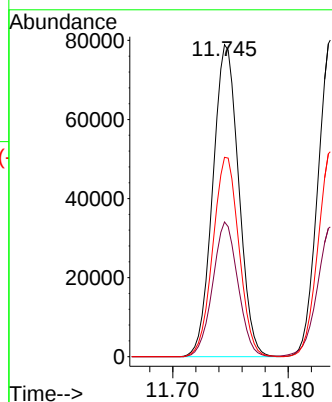
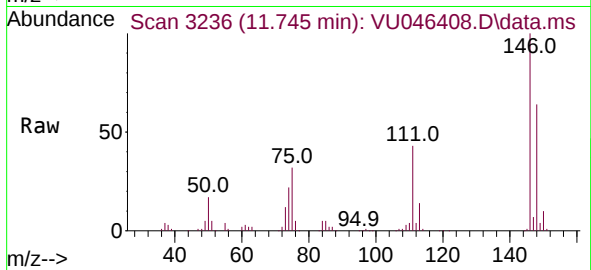
Tgt Ion:146 Resp: 123107

Ion Ratio Lower Upper

146 100

111 43.2 29.5 54.9

148 63.9 45.9 85.3



#65

1,4-Dichlorobenzene

Concen: 45.072 ug/L

RT: 11.838 min Scan# 3265

Delta R.T. -0.000 min

Lab File: VU046408.D

Acq: 15 Dec 2021 19:54

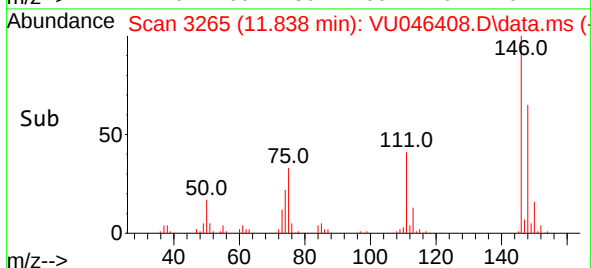
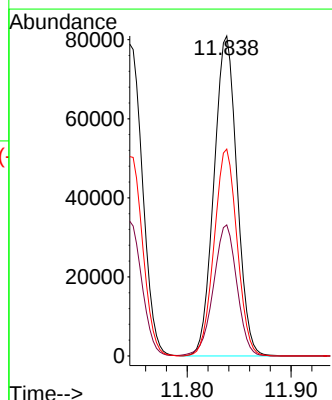
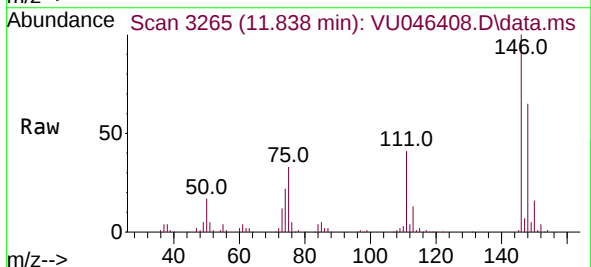
Tgt Ion:146 Resp: 124614

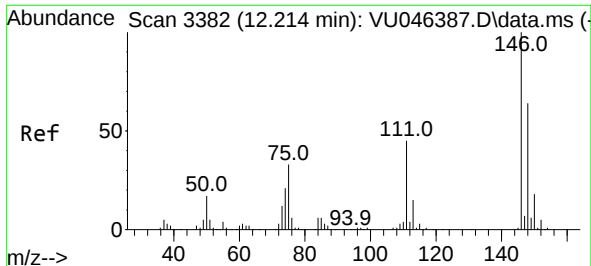
Ion Ratio Lower Upper

146 100

111 41.0 28.3 52.7

148 64.7 43.8 81.3





#67

1,2-Dichlorobenzene

Concen: 46.611 ug/L

RT: 12.211 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU046408.D

Acq: 15 Dec 2021 19:54

Instrument :

MSVOA_U

ClientSampleId :

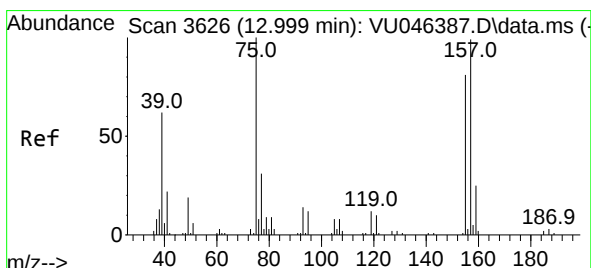
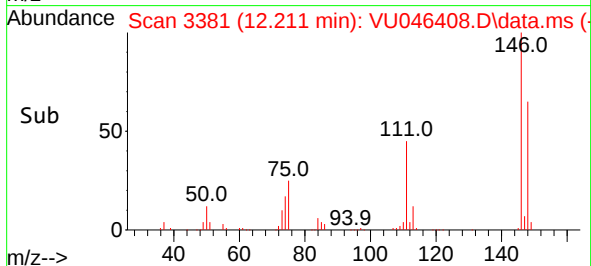
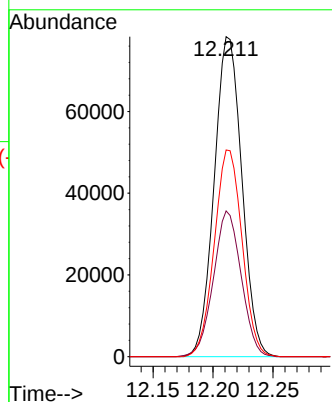
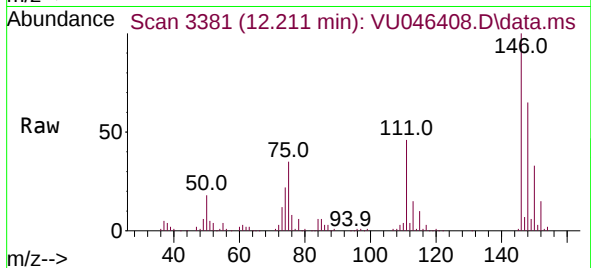
Tgt Ion:146 Resp: 125567

Ion Ratio Lower Upper

146 100

111 45.5 35.7 53.5

148 64.6 51.2 76.8



#68

1,2-Dibromo-3-chloropropane

Concen: 53.548 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. -0.003 min

Lab File: VU046408.D

Acq: 15 Dec 2021 19:54

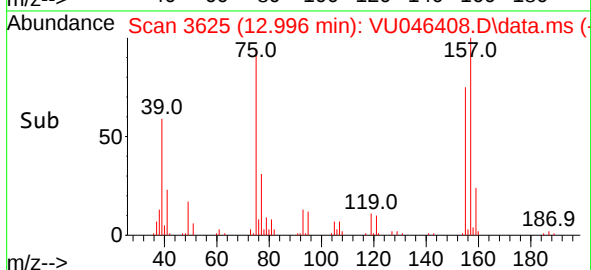
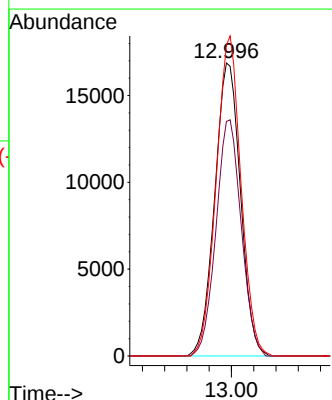
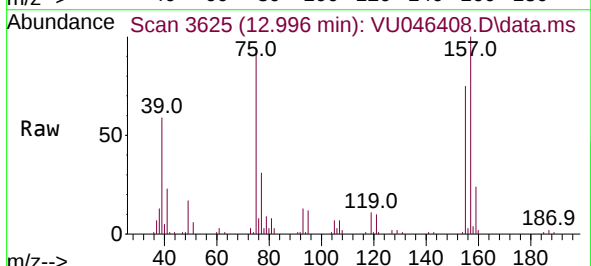
Tgt Ion: 75 Resp: 27067

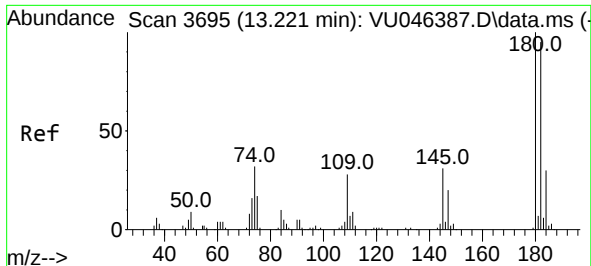
Ion Ratio Lower Upper

75 100

155 80.1 64.9 97.3

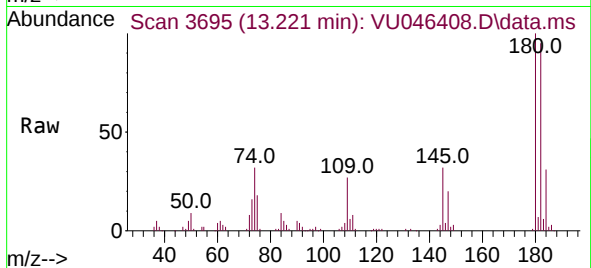
157 106.1 81.9 122.9



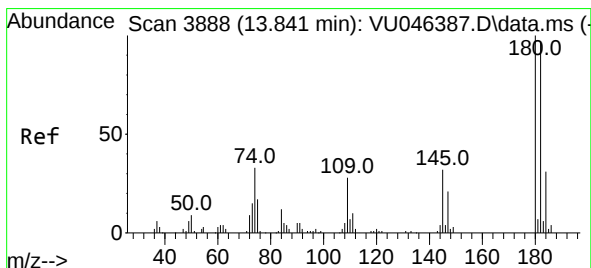
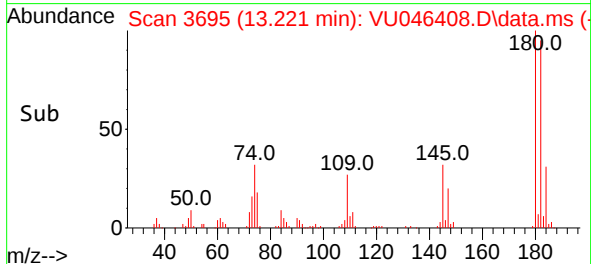
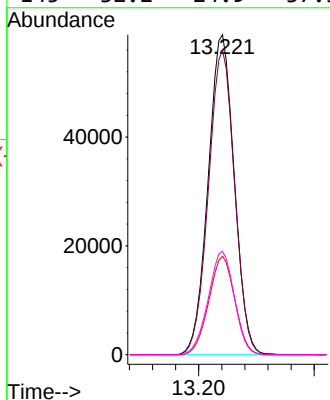


#69
 1,3,5-Trichlorobenzene
 Concen: 47.319 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. -0.000 min
 Lab File: VU046408.D
 Acq: 15 Dec 2021 19:54

Instrument :
 MSVOA_U
 ClientSampleId :

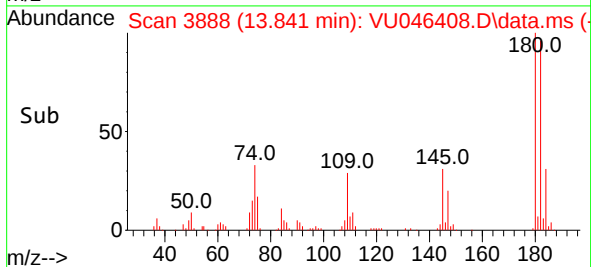
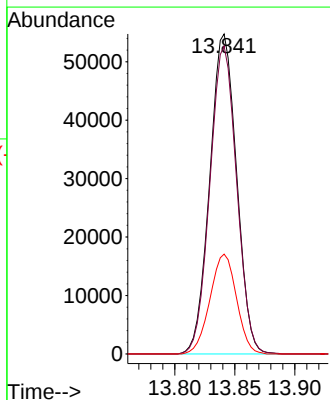
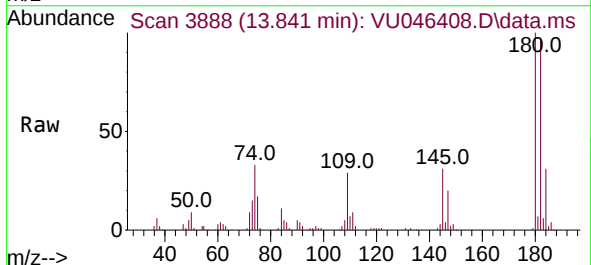


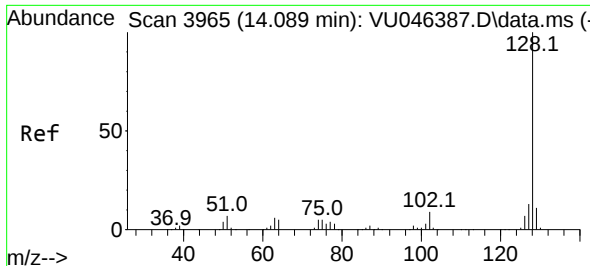
Tgt Ion:180 Resp: 92234
 Ion Ratio Lower Upper
 180 100
 182 95.1 75.9 113.9
 184 30.5 24.2 36.4
 145 32.2 24.9 37.3



#70
 1,2,4-trichlorobenzene
 Concen: 49.218 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. -0.000 min
 Lab File: VU046408.D
 Acq: 15 Dec 2021 19:54

Tgt Ion:180 Resp: 85133
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.7 115.1
 145 30.8 26.0 39.0

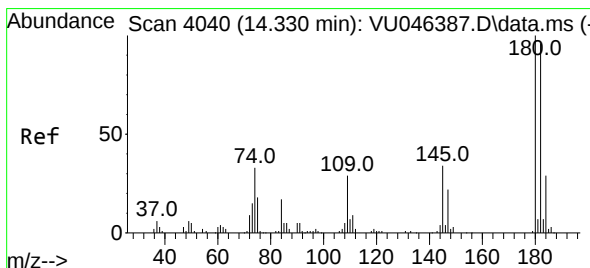
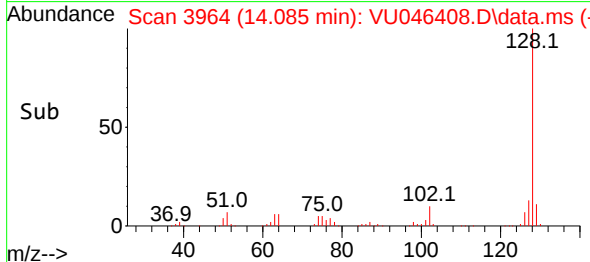
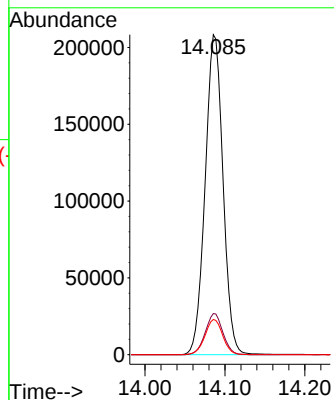
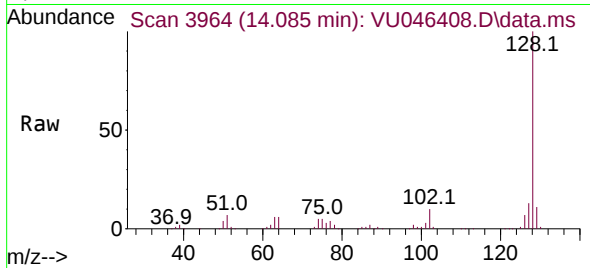




#71
Naphthalene
Concen: 53.805 ug/L
RT: 14.085 min Scan# 3965
Delta R.T. -0.003 min
Lab File: VU046408.D
Acq: 15 Dec 2021 19:54

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 323862
Ion Ratio Lower Upper
128 100
127 12.7 10.1 15.1
129 10.9 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 51.652 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU046408.D
Acq: 15 Dec 2021 19:54

Tgt Ion:180 Resp: 91107
Ion Ratio Lower Upper
180 100
182 94.9 76.0 114.0
145 33.5 27.3 40.9

