

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122321\
 Data File : VU046578.D
 Acq On : 23 Dec 2021 20:13
 Operator : SY/MD
 Sample : M5175-03
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 24 04:57:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 24 04:54:59 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	81144	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	80335	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	41471	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	21535	3.369	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.400%
7) Chloroethane-d5	1.922	69	19394	3.853	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.000%
11) 1,1-Dichloroethene-d2	2.572	65	9896	3.672	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.400%
20) 2-Butanone-d5	4.662	46	97747	52.724	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.440%
24) Chloroform-d	5.070	84	52192	4.457	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.200%
26) 1,2-Dichloroethane-d4	5.706	65	30944	4.622	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.400%
32) Benzene-d6	5.732	84	92222	4.118	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.400%
36) 1,2-Dichloropropane-d6	6.694	67	30098	4.473	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.400%
41) Toluene-d8	7.899	98	79940	3.933	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.600%
43) trans-1,3-Dichloroprop...	8.182	79	13314	4.278	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.600%
46) 2-Hexanone-d5	8.639	63	97324	53.262	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.520%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	33796	4.893	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.800%
66) 1,2-Dichlorobenzene-d4	12.195	152	34799	4.555	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	60814	4.898	ug/L	99
3) Chloromethane	1.523	50	46590	4.357	ug/L	98
5) Vinyl chloride	1.610	62	47259	4.489	ug/L	98
6) Bromomethane	1.864	94	26186	4.132	ug/L	100
8) Chloroethane	1.941	64	27834	4.504	ug/L	97
9) Trichlorofluoromethane	2.147	101	68016	4.939	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	35727	5.097	ug/L	96
12) 1,1-Dichloroethene	2.588	96	34948	4.896	ug/L #	68
13) Acetone	2.687	43	29226	16.814	ug/L	90
14) Carbon disulfide	2.800	76	109407	4.693	ug/L	100
15) Methyl Acetate	2.967	43	16003	4.558	ug/L	97
16) Methylene chloride	3.054	84	38275	4.407	ug/L	91
17) Methyl tert-butyl Ether	3.369	73	99115	4.760	ug/L	99
18) trans-1,2-Dichloroethene	3.359	96	35505	4.663	ug/L	96
19) 1,1-Dichloroethane	3.877	63	65458	4.666	ug/L	99
21) 2-Butanone	4.735	43	124930	47.373	ug/L	96
22) cis-1,2-Dichloroethene	4.671	96	42275	5.079	ug/L	98
23) Bromochloromethane	4.980	128	19737	4.764	ug/L	92
25) Chloroform	5.092	83	69830	4.608	ug/L	94

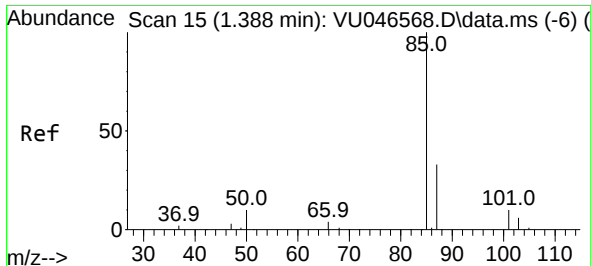
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	49548	4.580	ug/L	98
29) 1,1,1-Trichloroethane	5.321	97	64870	4.883	ug/L	97
30) Cyclohexane	5.395	56	54261	4.938	ug/L	95
31) Carbon tetrachloride	5.530	117	55042	4.938	ug/L	99
33) Benzene	5.777	78	148425	4.650	ug/L	100
34) Trichloroethene	6.546	95	39222	4.661	ug/L	97
35) Methylcyclohexane	6.768	83	59518	5.017	ug/L	96
37) 1,2-Dichloropropane	6.793	63	38274	4.701	ug/L	98
38) Bromodichloromethane	7.108	83	52378	4.648	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	57107	4.634	ug/L	99
40) 4-Methyl-2-pentanone	7.796	43	284338	46.523	ug/L	96
42) Toluene	7.970	91	163485	4.990	ug/L	98
44) trans-1,3-Dichloropropene	8.211	75	53390	4.675	ug/L	100
45) 1,1,2-Trichloroethane	8.401	97	32350	4.607	ug/L	95
47) Tetrachloroethene	8.552	164	29504	4.955	ug/L	95
48) 2-Hexanone	8.690	43	214422	46.977	ug/L	98
49) Dibromochloromethane	8.812	129	37190	4.592	ug/L	99
50) 1,2-Dibromoethane	8.925	107	31690	4.676	ug/L #	95
51) Chlorobenzene	9.449	112	101108	4.828	ug/L	97
52) Ethylbenzene	9.571	91	169112	4.987	ug/L	99
53) m,p-Xylene	9.697	106	67089	5.164	ug/L	96
54) o-Xylene	10.102	106	63426	5.081	ug/L	94
55) Styrene	10.115	104	111283	5.139	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.783	83	43309	4.720	ug/L	94
59) Bromoform	10.295	173	22717	4.741	ug/L	98
60) Isopropylbenzene	10.484	105	173203	5.416	ug/L	100
61) 1,2,3-Trichloropropane	10.825	75	32791	4.761	ug/L	97
62) 1,3,5-Trimethylbenzene	11.089	105	141662	5.326	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	146049	5.452	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	78961	5.079	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	80909	5.084	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	79231	5.081	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	7440	4.667	ug/L	90
69) 1,3,5-Trichlorobenzene	13.221	180	60466	5.139	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	51598	5.177	ug/L	99
71) Naphthalene	14.086	128	113471	5.127	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	52016	5.272	ug/L	99

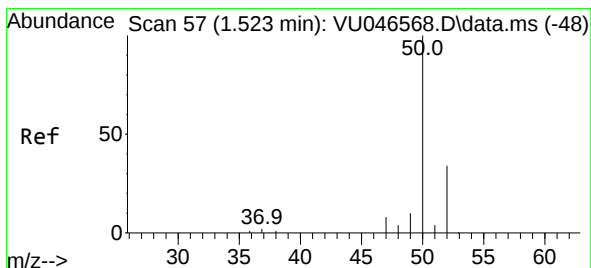
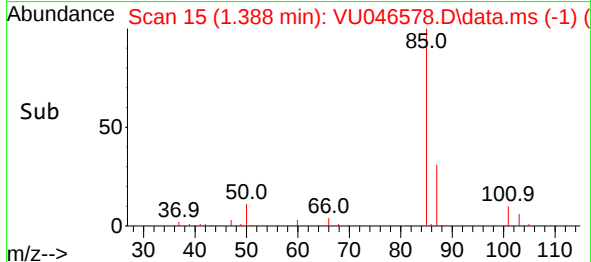
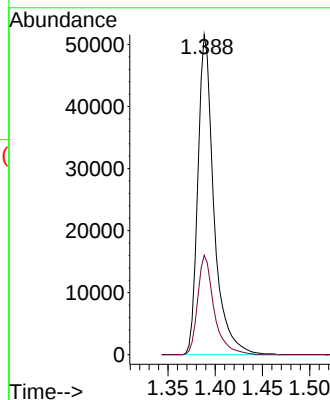
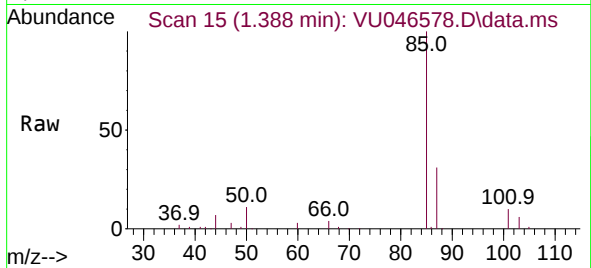
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#2
Dichlorodifluoromethane
Concen: 4.898 ug/L
RT: 1.388 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU046578.D
Acq: 23 Dec 2021 20:13

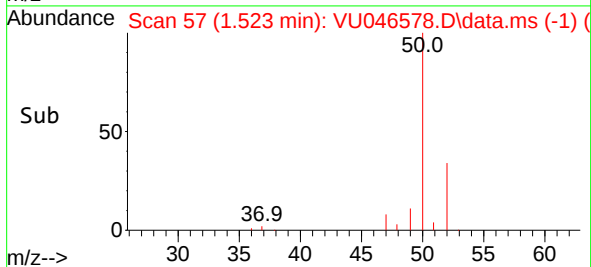
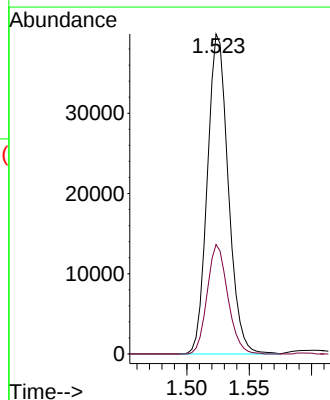
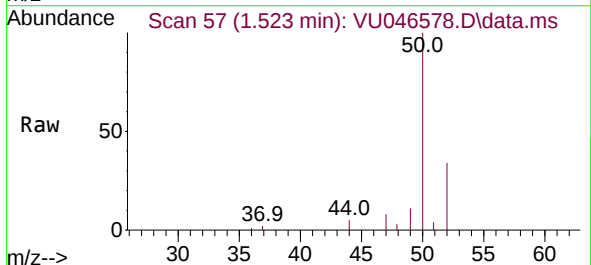
Instrument :
MSVOA_U
ClientSampleId :

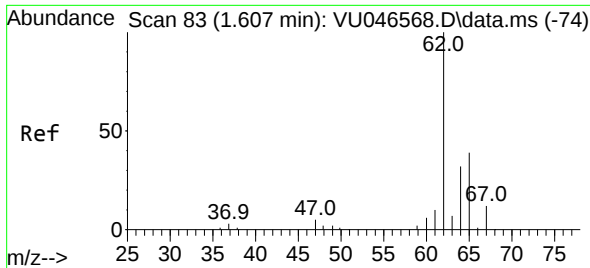
Tgt Ion: 85 Resp: 60814
Ion Ratio Lower Upper
85 100
87 31.7 25.8 38.6



#3
Chloromethane
Concen: 4.357 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU046578.D
Acq: 23 Dec 2021 20:13

Tgt Ion: 50 Resp: 46590
Ion Ratio Lower Upper
50 100
52 34.2 23.0 42.8

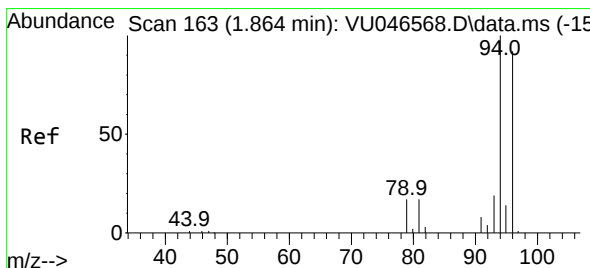
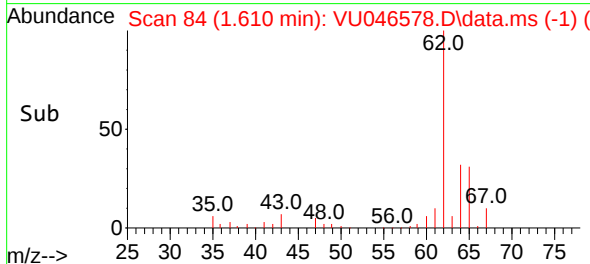
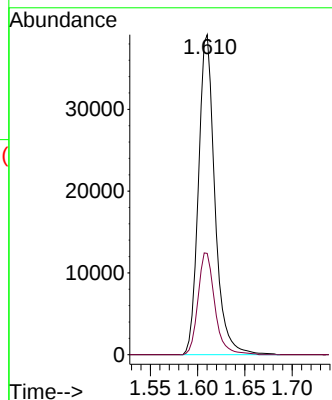
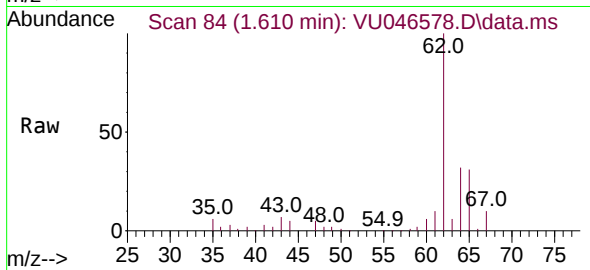




#5
 Vinyl chloride
 Concen: 4.489 ug/L
 RT: 1.610 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VU046578.D
 Acq: 23 Dec 2021 20:13

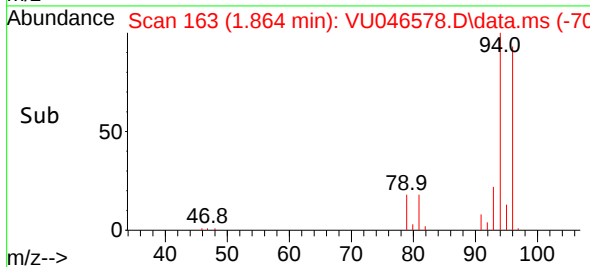
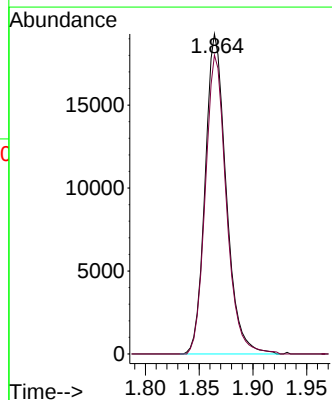
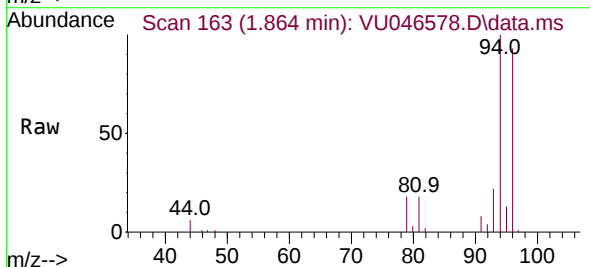
Instrument :
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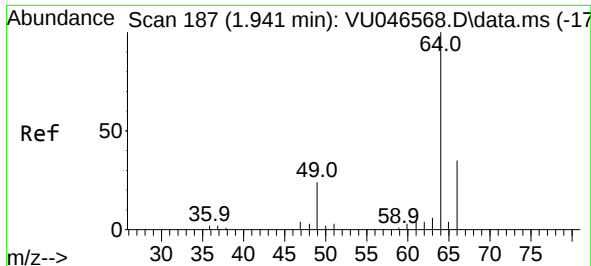
Tgt Ion: 62 Resp: 47259
 Ion Ratio Lower Upper
 62 100
 64 31.7 22.9 42.5



#6
 Bromomethane
 Concen: 4.132 ug/L
 RT: 1.864 min Scan# 163
 Delta R.T. 0.000 min
 Lab File: VU046578.D
 Acq: 23 Dec 2021 20:13

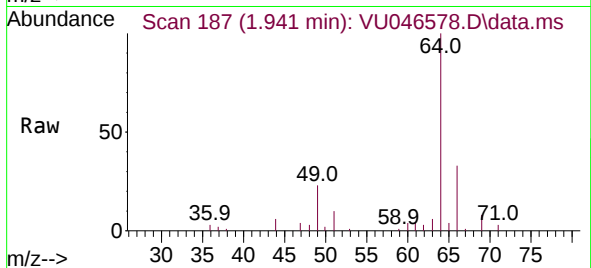
Tgt Ion: 94 Resp: 26186
 Ion Ratio Lower Upper
 94 100
 96 93.4 65.5 121.6



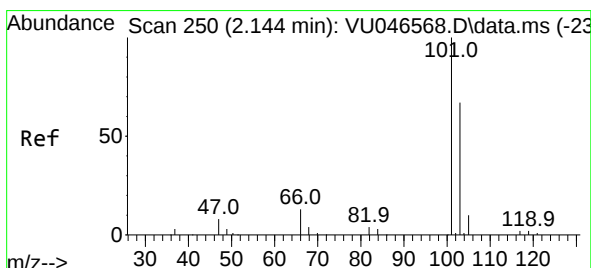
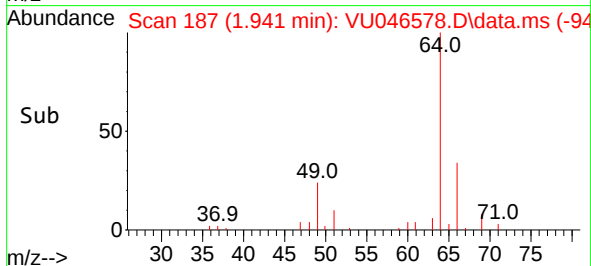
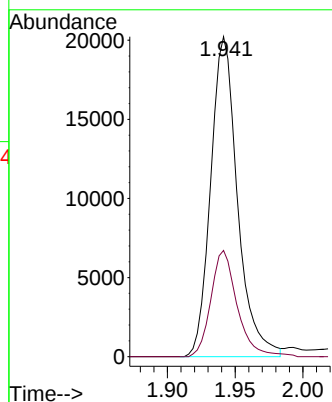


#8
Chloroethane
Concen: 4.504 ug/L
RT: 1.941 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU046578.D
Acq: 23 Dec 2021 20:13

Instrument :
MSVOA_U
ClientSampleId :

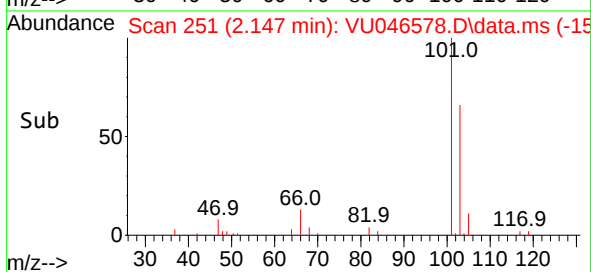
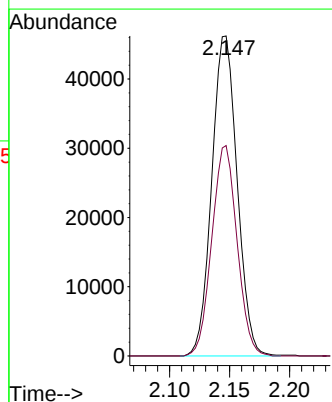
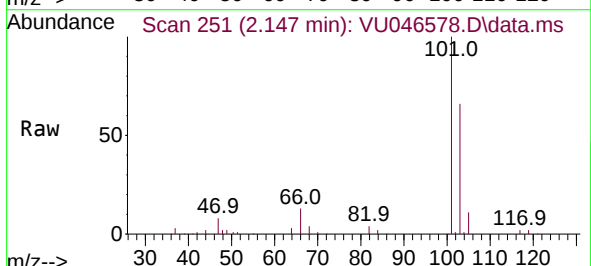


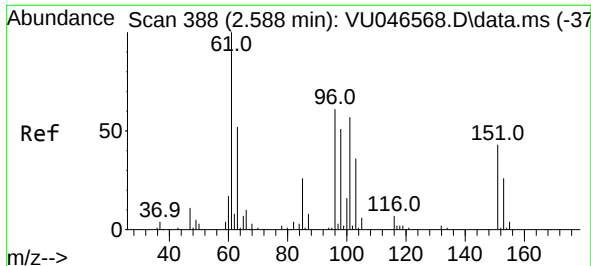
Tgt Ion: 64 Resp: 27834
Ion Ratio Lower Upper
64 100
66 33.2 22.1 41.1



#9
Trichlorofluoromethane
Concen: 4.939 ug/L
RT: 2.147 min Scan# 251
Delta R.T. 0.000 min
Lab File: VU046578.D
Acq: 23 Dec 2021 20:13

Tgt Ion:101 Resp: 68016
Ion Ratio Lower Upper
101 100
103 65.3 51.5 77.3

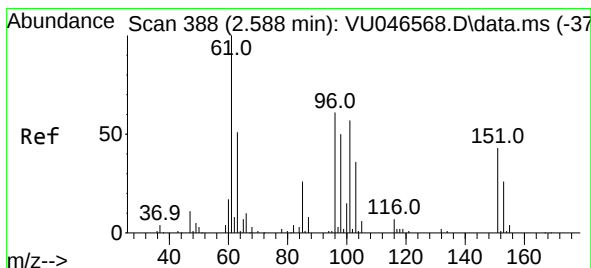
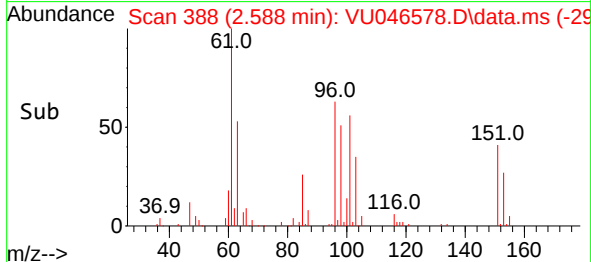
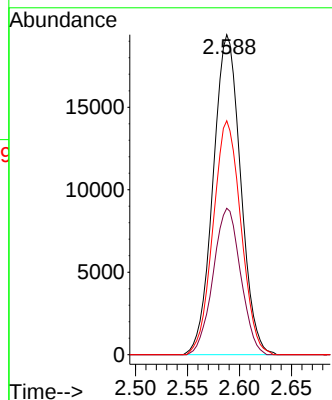
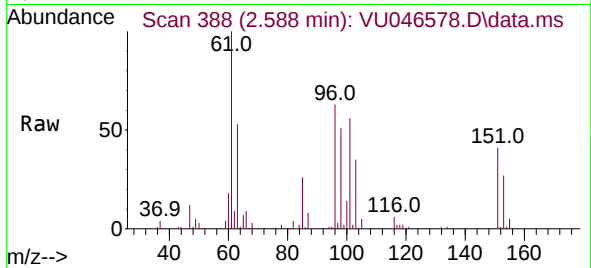




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.097 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. 0.000 min
 Lab File: VU046578.D
 Acq: 23 Dec 2021 20:13

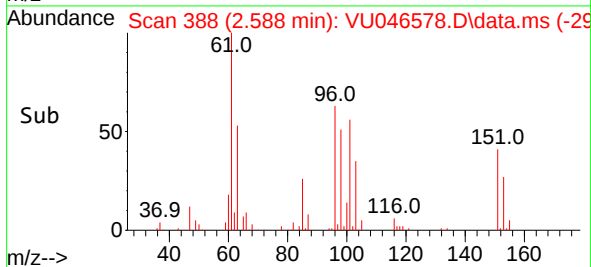
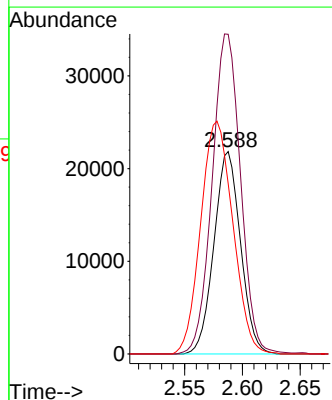
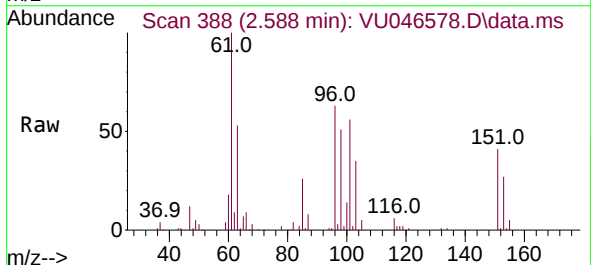
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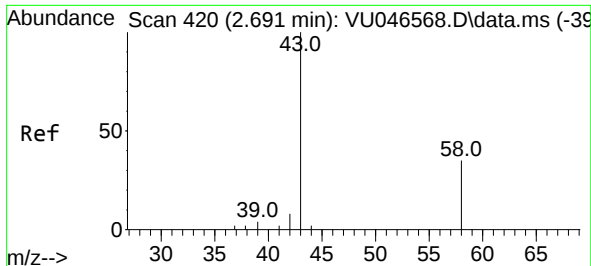
Tgt Ion: 101 Resp: 35727
 Ion Ratio Lower Upper
 101 100
 85 45.7 34.6 51.8
 151 74.0 56.1 84.1



#12
 1,1-Dichloroethene
 Concen: 4.896 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. 0.000 min
 Lab File: VU046578.D
 Acq: 23 Dec 2021 20:13

Tgt Ion: 96 Resp: 34948
 Ion Ratio Lower Upper
 96 100
 61 158.0 124.7 231.5
 63 84.1 105.2 195.4#





#13

Acetone

Concen: 16.814 ug/L

RT: 2.687 min Scan# 419

Delta R.T. -0.006 min

Lab File: VU046578.D

Acq: 23 Dec 2021 20:13

Instrument :

MSVOA_U

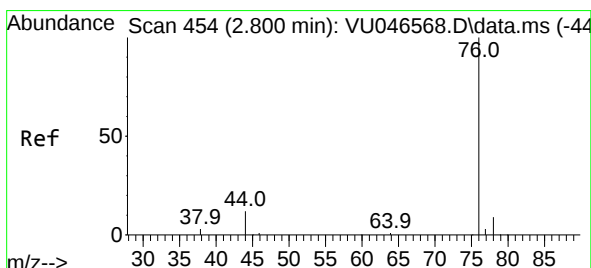
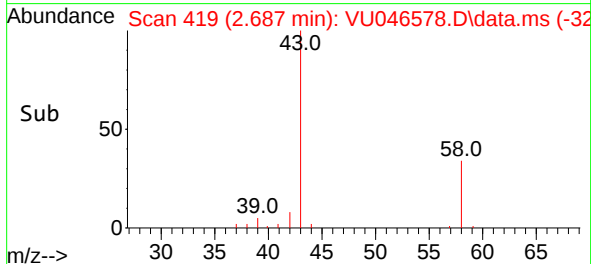
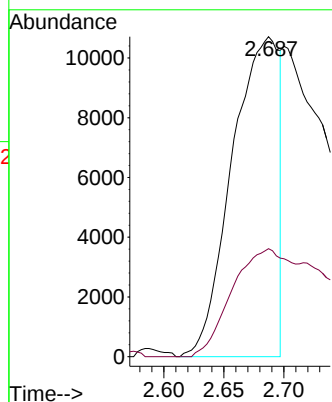
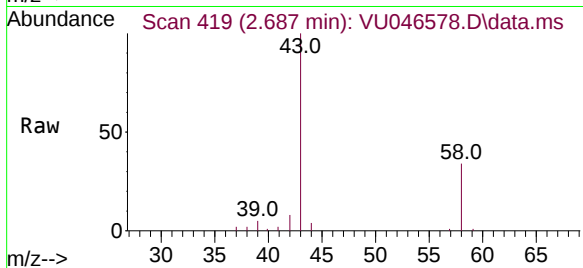
ClientSampleId :

Tgt Ion: 43 Resp: 29226

Ion Ratio Lower Upper

43 100

58 41.9 0.0 71.6



#14

Carbon disulfide

Concen: 4.693 ug/L

RT: 2.800 min Scan# 454

Delta R.T. 0.000 min

Lab File: VU046578.D

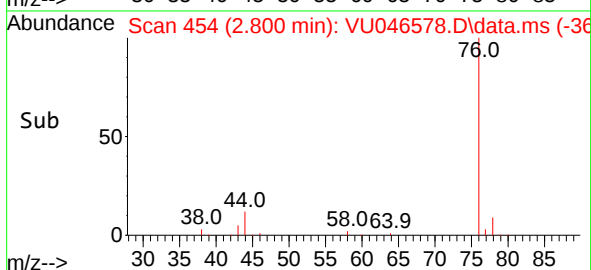
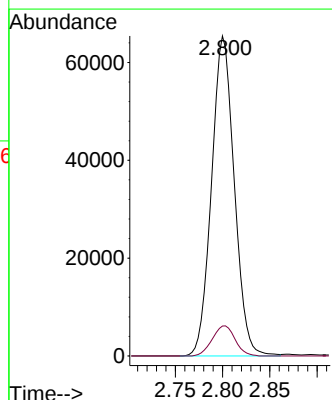
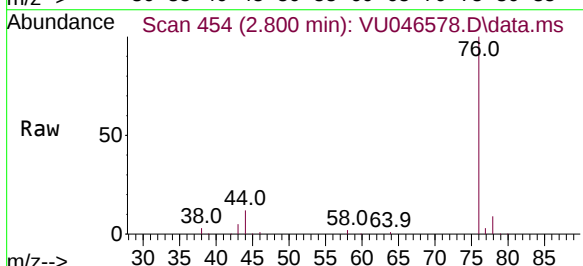
Acq: 23 Dec 2021 20:13

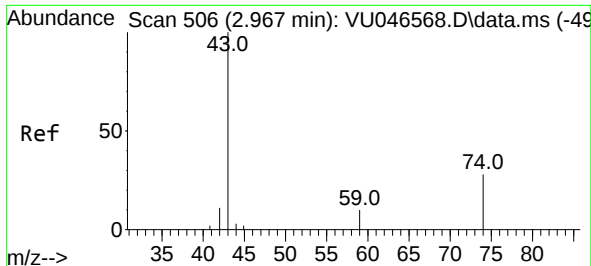
Tgt Ion: 76 Resp: 109407

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3

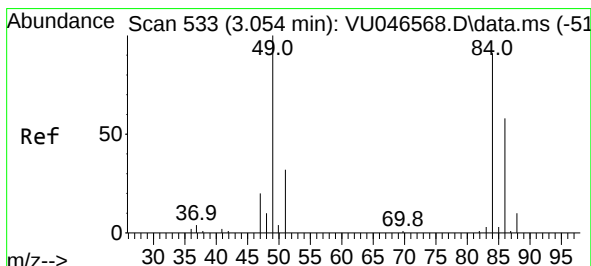
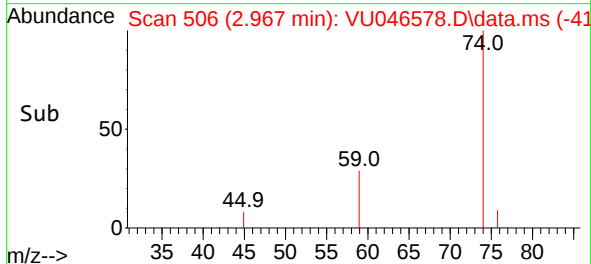
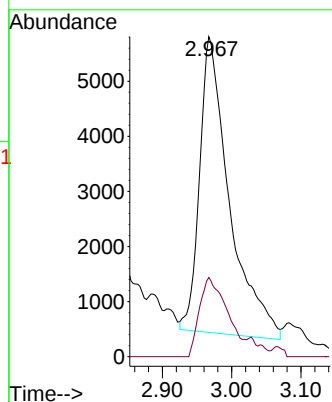
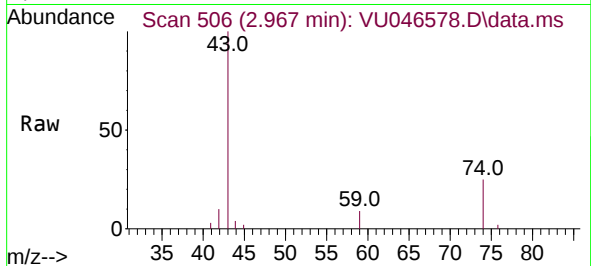




#15
Methyl Acetate
Concen: 4.558 ug/L
RT: 2.967 min Scan# 506
Delta R.T. -0.003 min
Lab File: VU046578.D
Acq: 23 Dec 2021 20:13

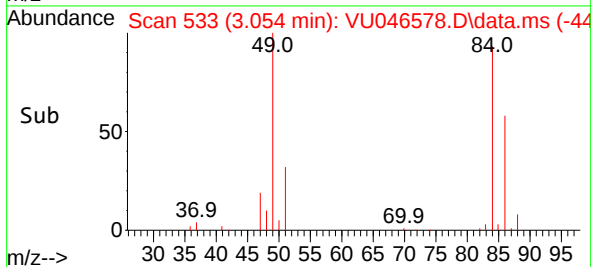
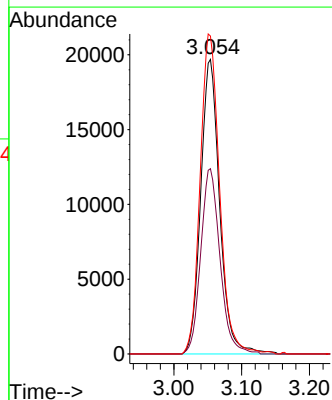
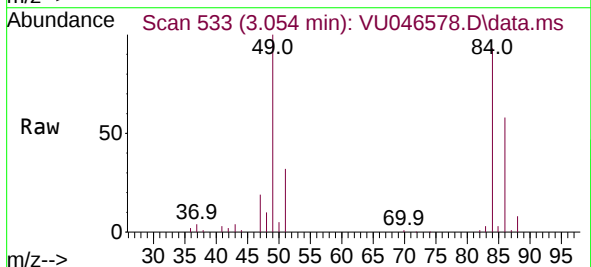
Instrument :
MSVOA_U
ClientSampleId :

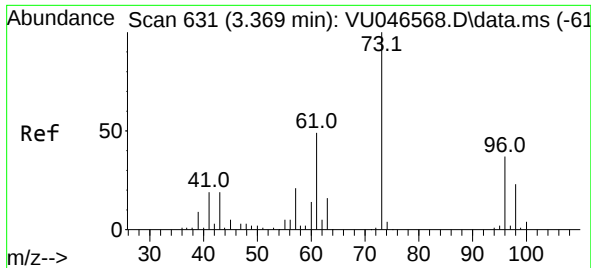
Tgt Ion: 43 Resp: 16003
Ion Ratio Lower Upper
43 100
74 25.4 19.1 28.7



#16
Methylene chloride
Concen: 4.407 ug/L
RT: 3.054 min Scan# 533
Delta R.T. 0.000 min
Lab File: VU046578.D
Acq: 23 Dec 2021 20:13

Tgt Ion: 84 Resp: 38275
Ion Ratio Lower Upper
84 100
86 62.9 45.8 85.0
49 107.9 84.5 156.9

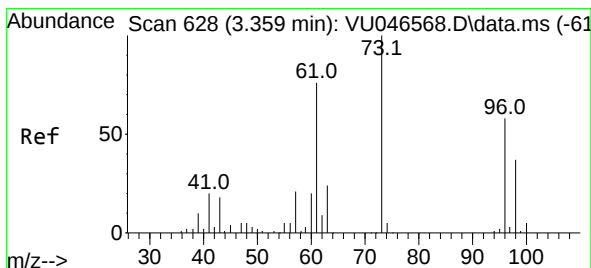
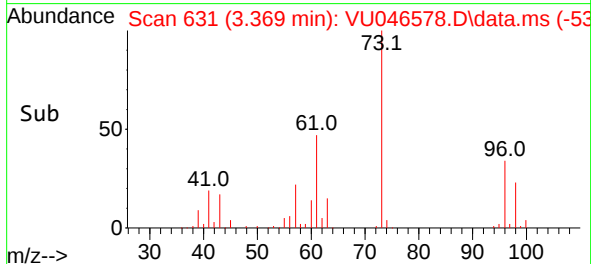
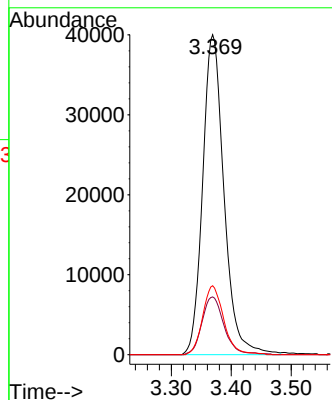
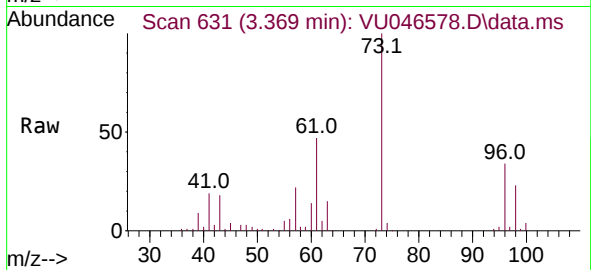




#17
Methyl tert-butyl Ether
Concen: 4.760 ug/L
RT: 3.369 min Scan# 611
Delta R.T. 0.000 min
Lab File: VU046578.D
Acq: 23 Dec 2021 20:13

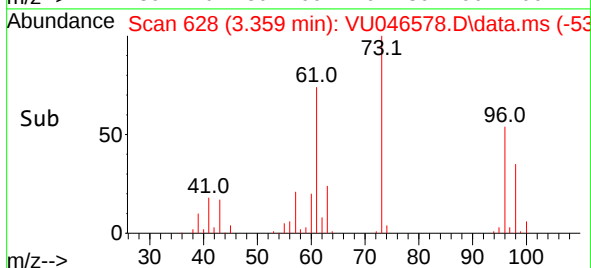
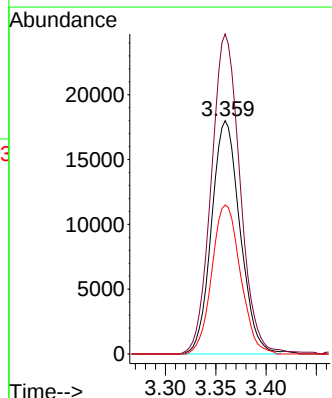
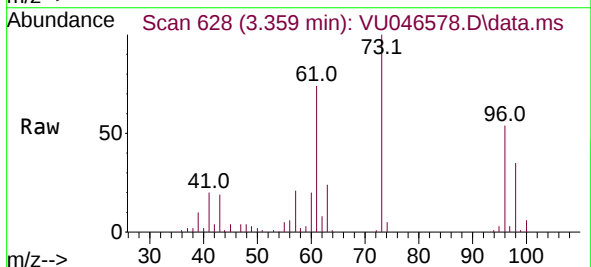
Instrument :
MSVOA_U
ClientSampleId :

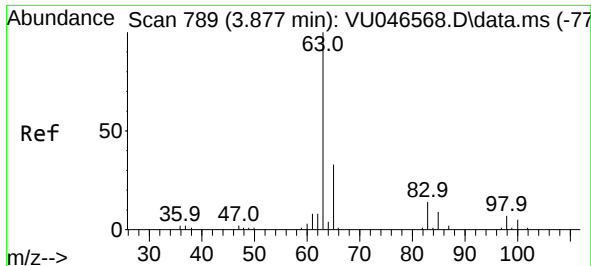
Tgt Ion: 73 Resp: 99115
Ion Ratio Lower Upper
73 100
43 18.4 14.8 22.2
57 21.3 17.4 26.0



#18
trans-1,2-Dichloroethene
Concen: 4.663 ug/L
RT: 3.359 min Scan# 628
Delta R.T. 0.000 min
Lab File: VU046578.D
Acq: 23 Dec 2021 20:13

Tgt Ion: 96 Resp: 35505
Ion Ratio Lower Upper
96 100
61 137.2 100.8 187.2
98 63.9 45.1 83.7





#19

1,1-Dichloroethane

Concen: 4.666 ug/L

RT: 3.877 min Scan# 789

Delta R.T. 0.000 min

Lab File: VU046578.D

Acq: 23 Dec 2021 20:13

Instrument :

MSVOA_U

ClientSampleId :

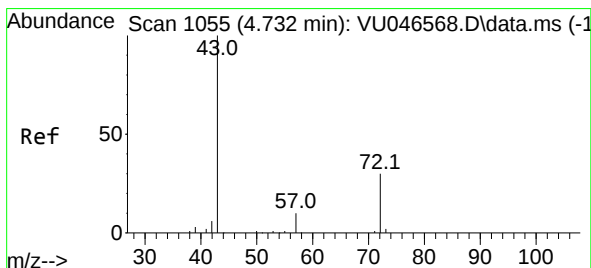
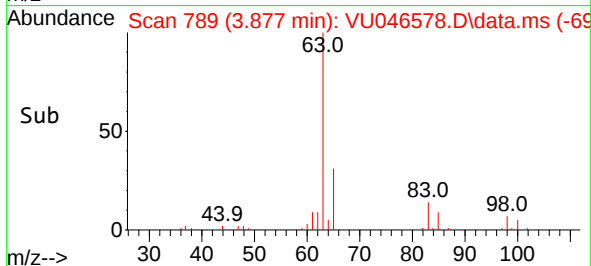
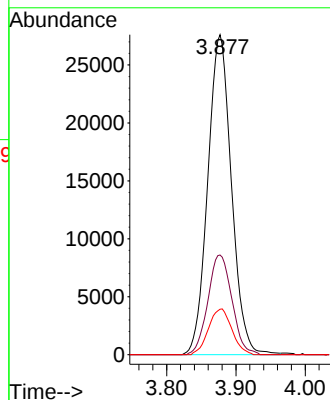
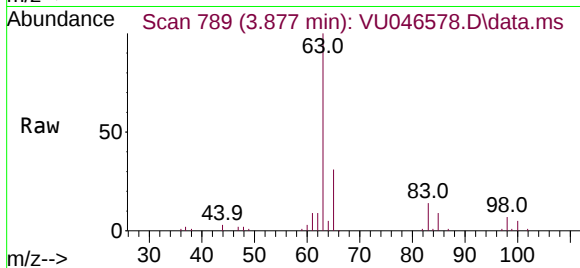
Tgt Ion: 63 Resp: 65458

Ion Ratio Lower Upper

63 100

65 31.2 22.3 41.5

83 14.2 9.6 17.8



#21

2-Butanone

Concen: 47.373 ug/L

RT: 4.735 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VU046578.D

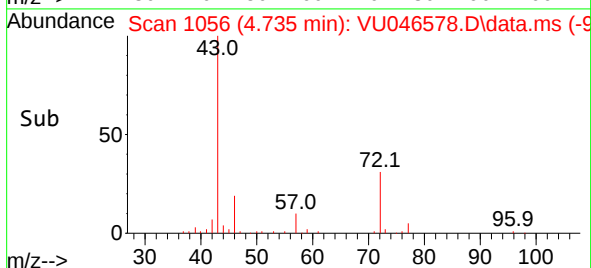
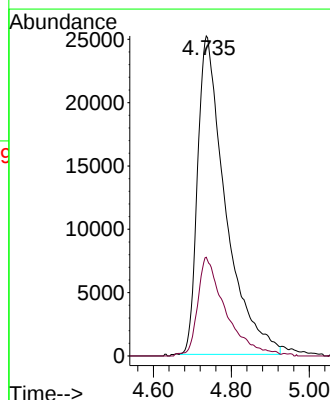
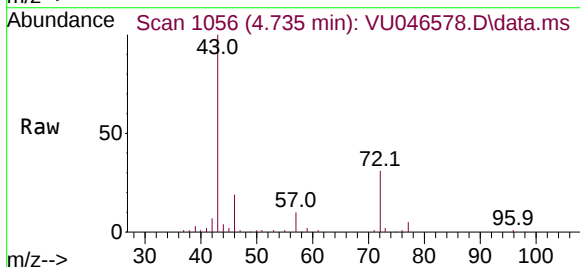
Acq: 23 Dec 2021 20:13

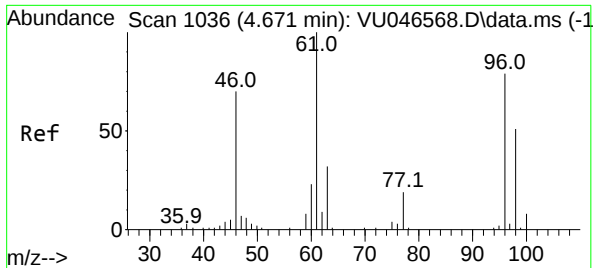
Tgt Ion: 43 Resp: 124930

Ion Ratio Lower Upper

43 100

72 30.3 14.1 42.3

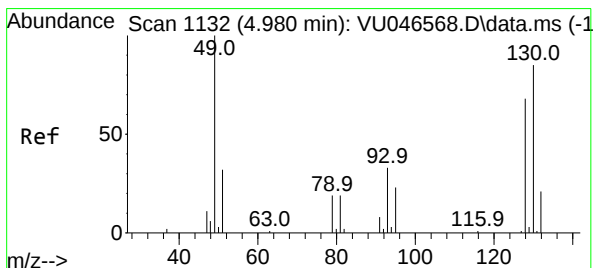
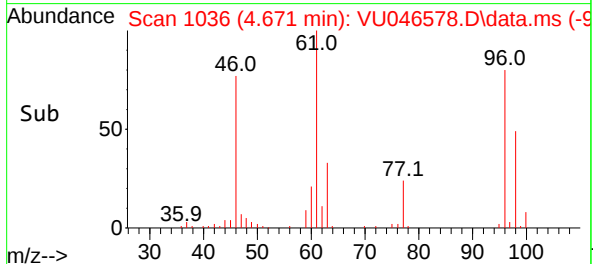
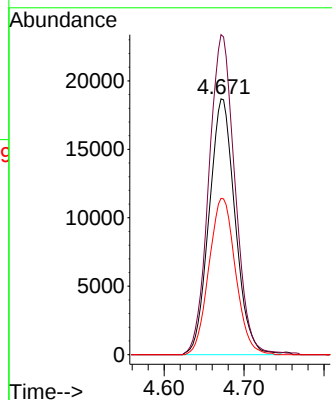
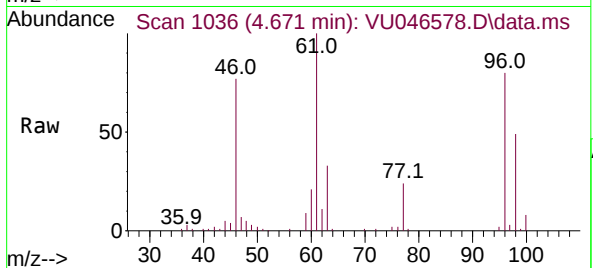




#22
 cis-1,2-Dichloroethene
 Concen: 5.079 ug/L
 RT: 4.671 min Scan# 1036
 Delta R.T. -0.003 min
 Lab File: VU046578.D
 Acq: 23 Dec 2021 20:13

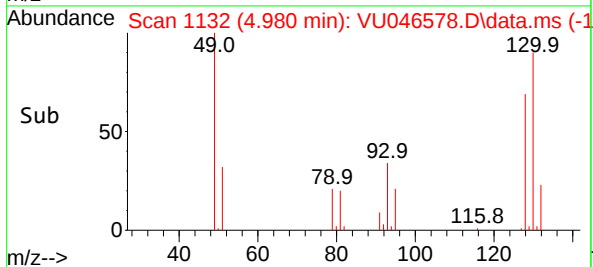
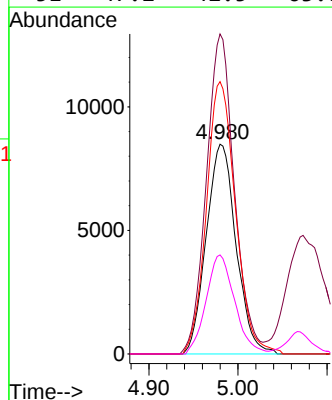
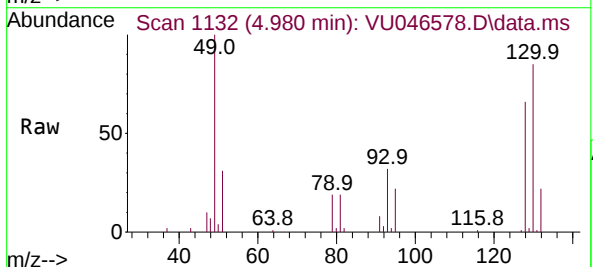
Instrument :
 MSVOA_U
 ClientSampleId :

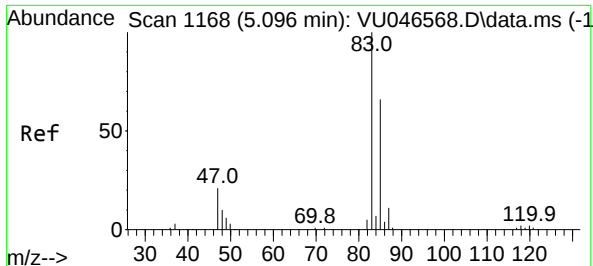
Tgt Ion: 96 Resp: 42275
 Ion Ratio Lower Upper
 96 100
 61 125.1 88.5 164.3
 98 61.1 44.4 82.5



#23
 Bromochloromethane
 Concen: 4.764 ug/L
 RT: 4.980 min Scan# 1132
 Delta R.T. 0.000 min
 Lab File: VU046578.D
 Acq: 23 Dec 2021 20:13

Tgt Ion:128 Resp: 19737
 Ion Ratio Lower Upper
 128 100
 49 152.5 117.0 217.2
 130 129.8 88.2 163.8
 51 47.2 42.5 63.7





#25

Chloroform

Concen: 4.608 ug/L

RT: 5.092 min Scan# 1168

Delta R.T. -0.003 min

Lab File: VU046578.D

Acq: 23 Dec 2021 20:13

Instrument :

MSVOA_U

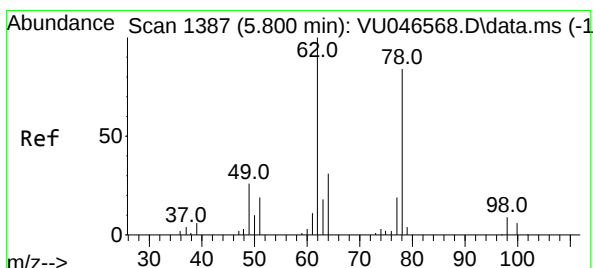
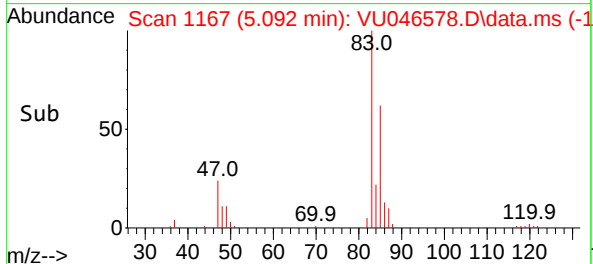
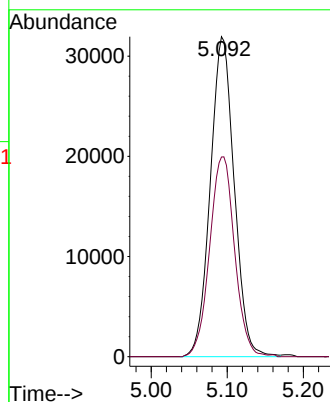
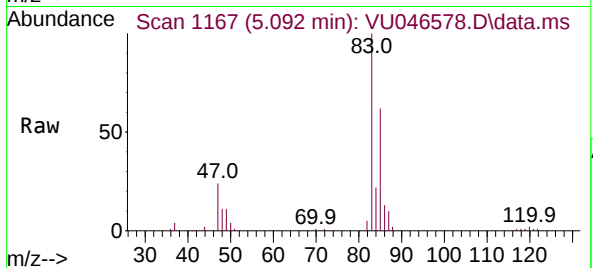
ClientSampleId :

Tgt Ion: 83 Resp: 69830

Ion Ratio Lower Upper

83 100

85 62.4 46.9 87.1



#27

1,2-Dichloroethane

Concen: 4.580 ug/L

RT: 5.800 min Scan# 1387

Delta R.T. 0.000 min

Lab File: VU046578.D

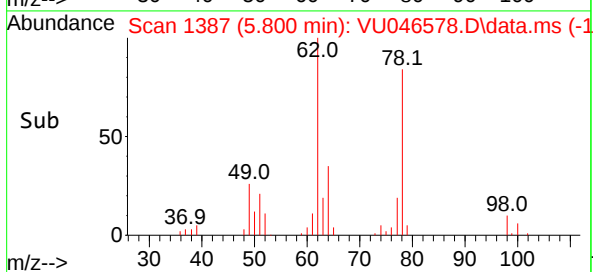
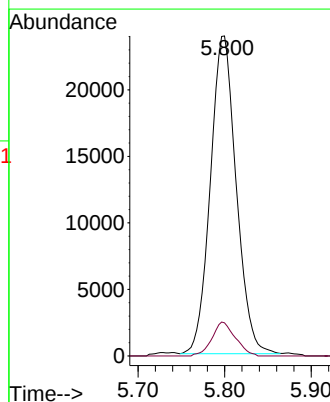
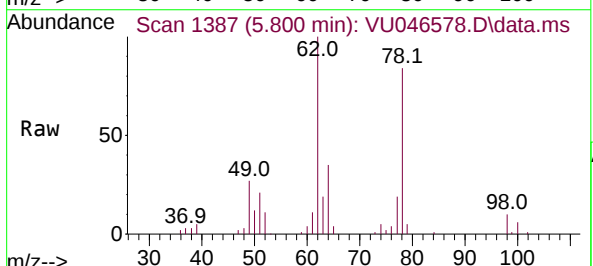
Acq: 23 Dec 2021 20:13

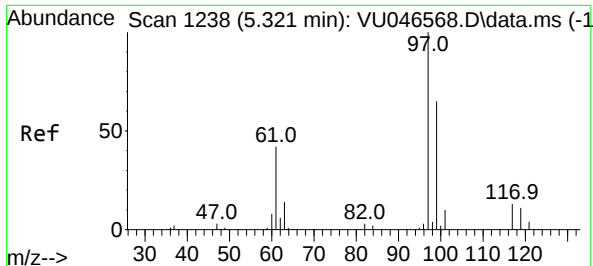
Tgt Ion: 62 Resp: 49548

Ion Ratio Lower Upper

62 100

98 10.4 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 4.883 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VU046578.D

Acq: 23 Dec 2021 20:13

Instrument :

MSVOA_U

ClientSampleId :

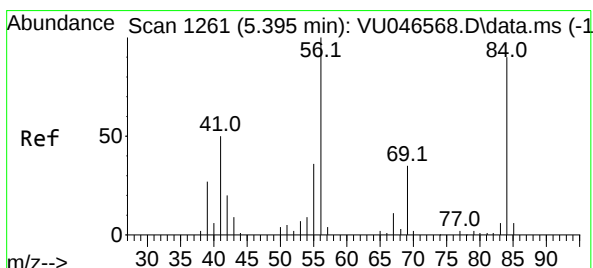
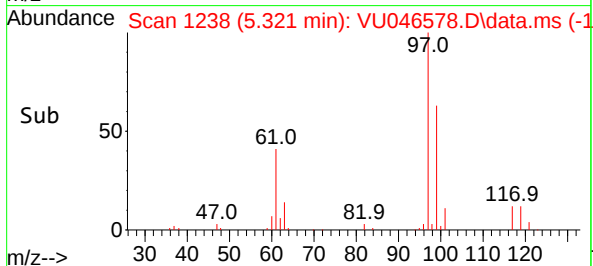
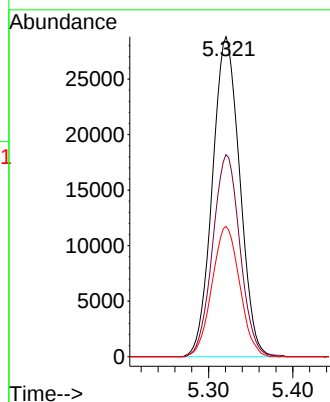
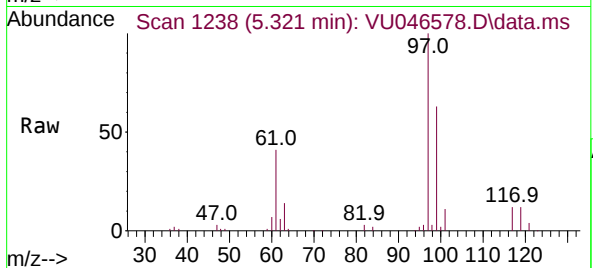
Tgt Ion: 97 Resp: 64870

Ion Ratio Lower Upper

97 100

99 63.2 51.3 76.9

61 41.2 36.1 54.1



#30

Cyclohexane

Concen: 4.938 ug/L

RT: 5.395 min Scan# 1261

Delta R.T. 0.000 min

Lab File: VU046578.D

Acq: 23 Dec 2021 20:13

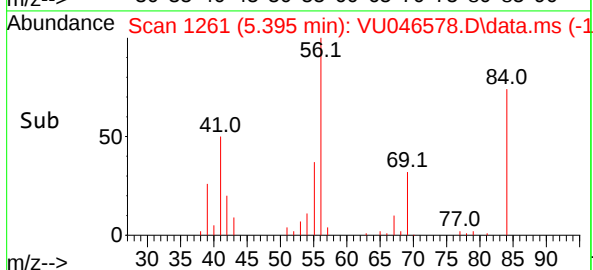
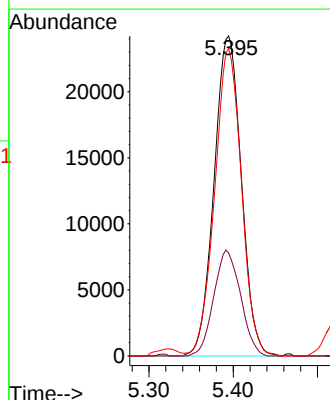
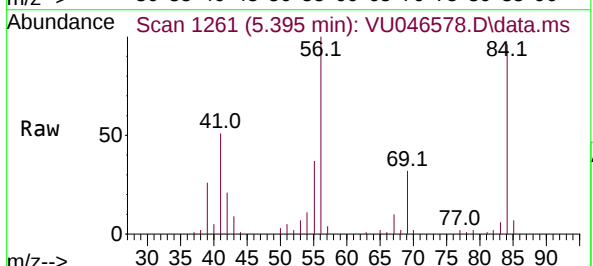
Tgt Ion: 56 Resp: 54261

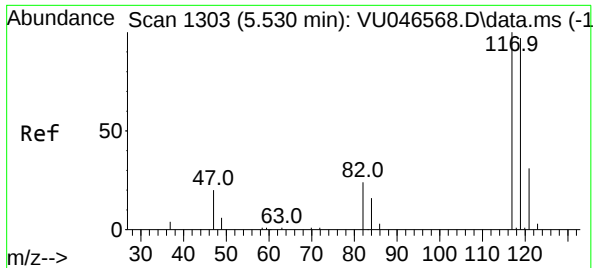
Ion Ratio Lower Upper

56 100

69 32.6 24.7 37.1

84 94.7 71.8 107.6

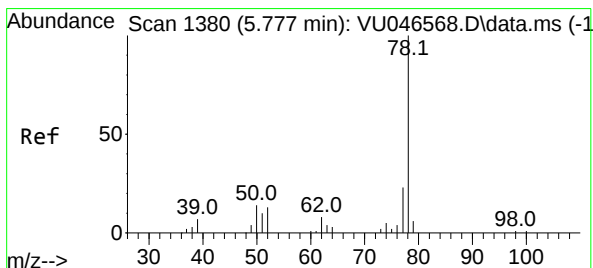
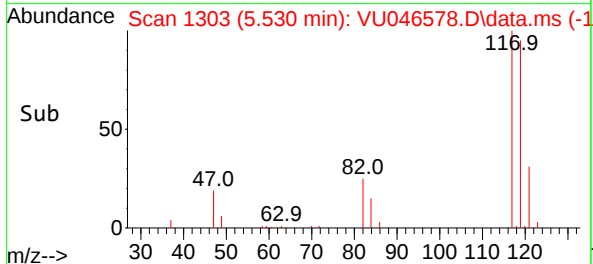
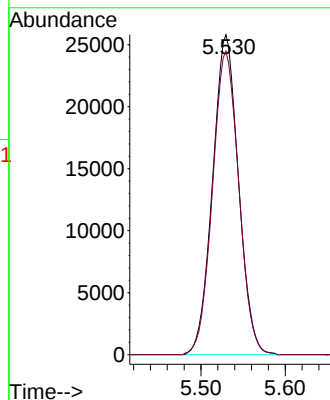
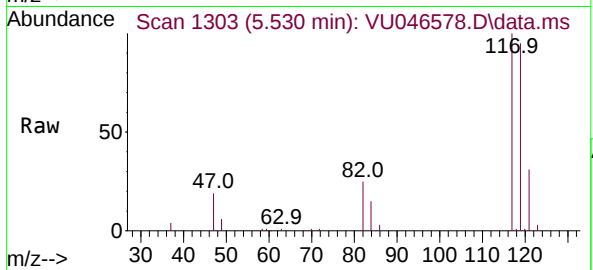




#31
Carbon tetrachloride
Concen: 4.938 ug/L
RT: 5.530 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU046578.D
Acq: 23 Dec 2021 20:13

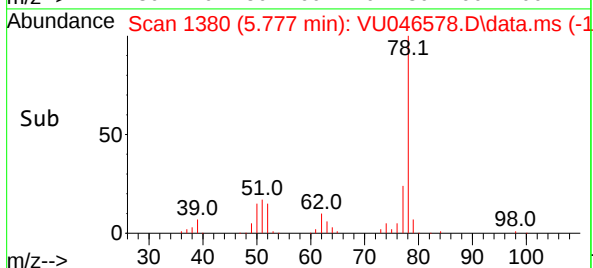
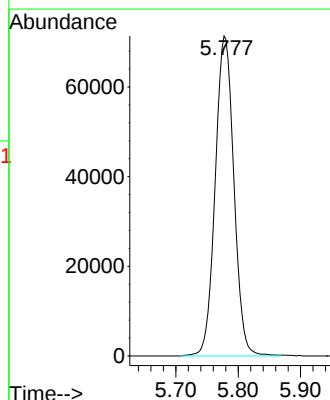
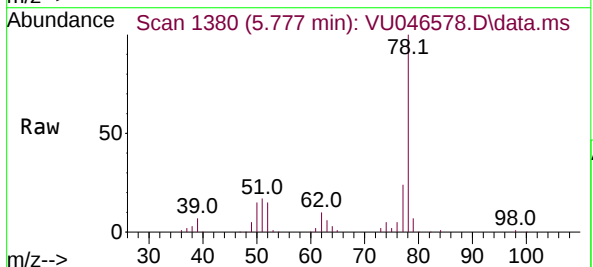
Instrument :
MSVOA_U
ClientSampleId :

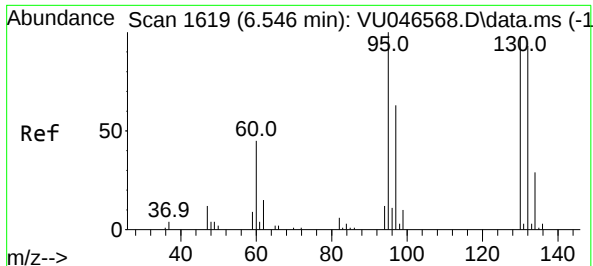
Tgt Ion:117 Resp: 55042
Ion Ratio Lower Upper
117 100
119 96.0 77.5 116.3



#33
Benzene
Concen: 4.650 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. 0.000 min
Lab File: VU046578.D
Acq: 23 Dec 2021 20:13

Tgt Ion: 78 Resp: 148425

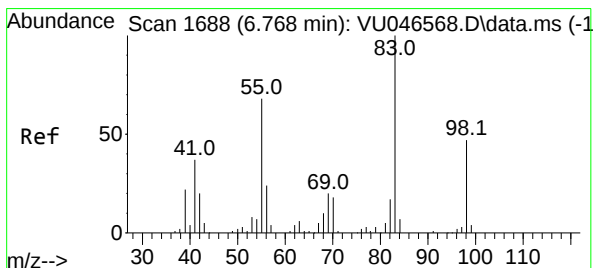
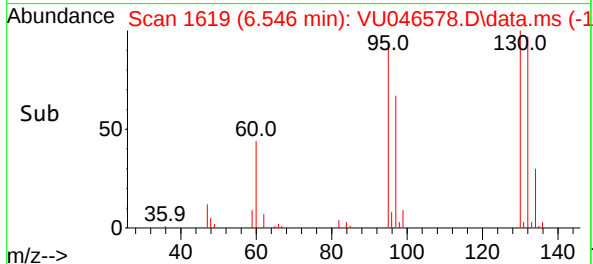
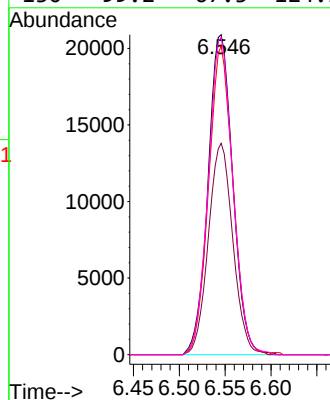
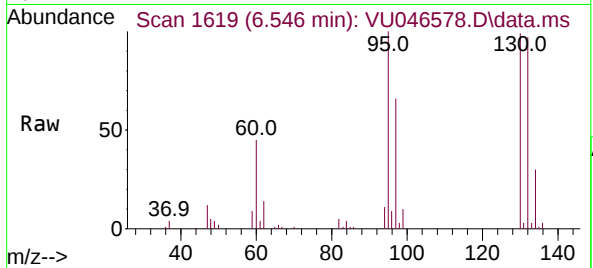




#34
Trichloroethene
Concen: 4.661 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU046578.D
Acq: 23 Dec 2021 20:13

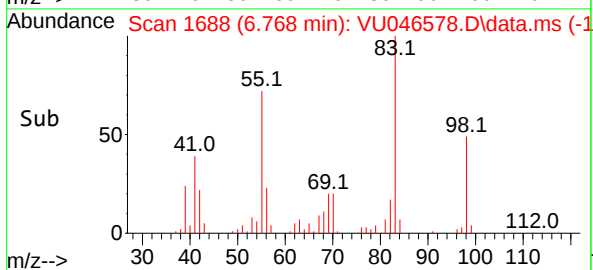
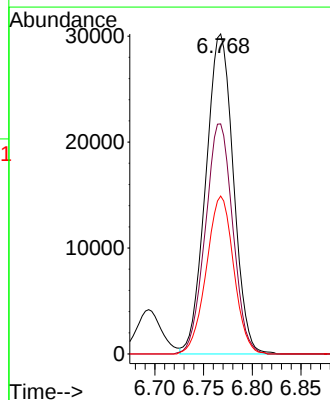
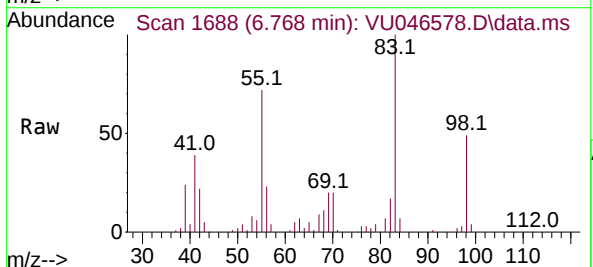
Instrument :
MSVOA_U
ClientSampleId :

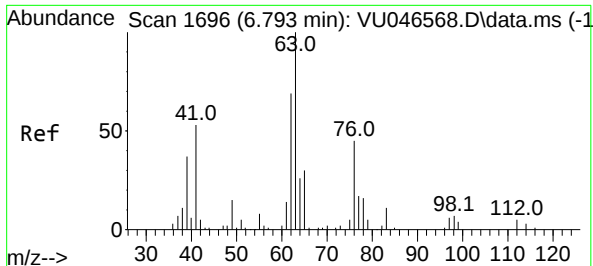
Tgt Ion: 95 Resp: 39222
Ion Ratio Lower Upper
95 100
97 66.0 46.5 86.5
132 96.5 65.1 120.9
130 99.2 67.3 124.9



#35
Methylcyclohexane
Concen: 5.017 ug/L
RT: 6.768 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VU046578.D
Acq: 23 Dec 2021 20:13

Tgt Ion: 83 Resp: 59518
Ion Ratio Lower Upper
83 100
55 71.6 61.9 92.9
98 48.9 39.0 58.6

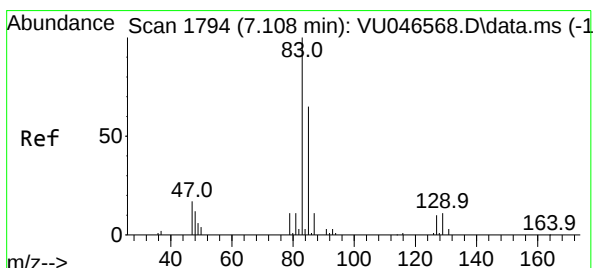
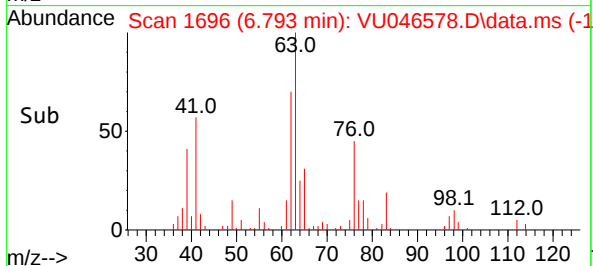
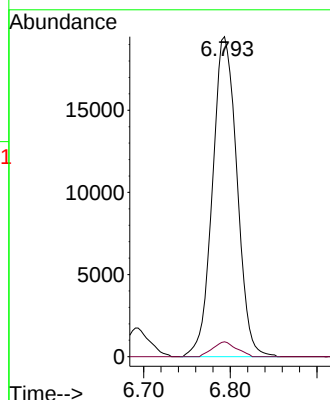
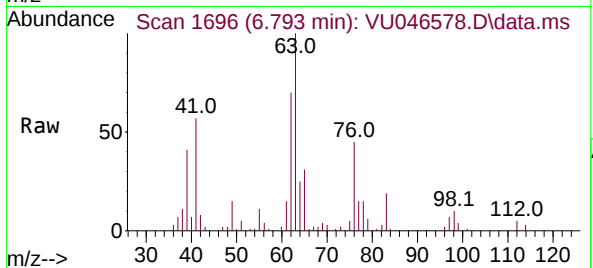




#37
1,2-Dichloropropane
Concen: 4.701 ug/L
RT: 6.793 min Scan# 1696
Delta R.T. -0.003 min
Lab File: VU046578.D
Acq: 23 Dec 2021 20:13

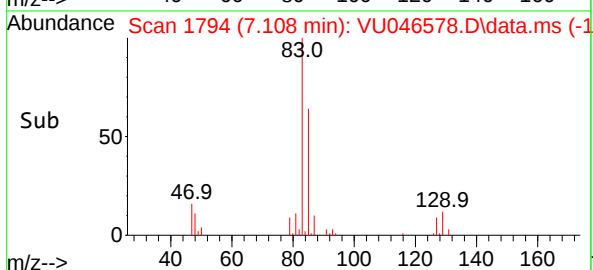
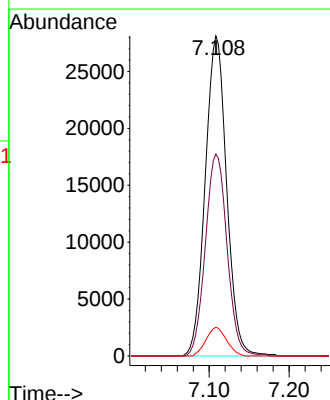
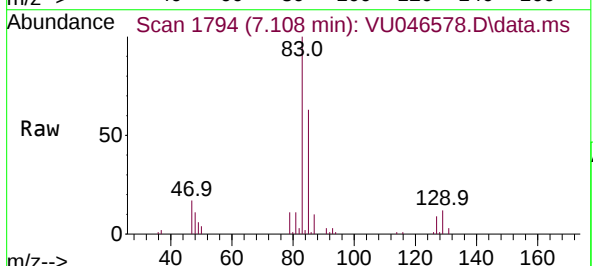
Instrument :
MSVOA_U
ClientSampleId :

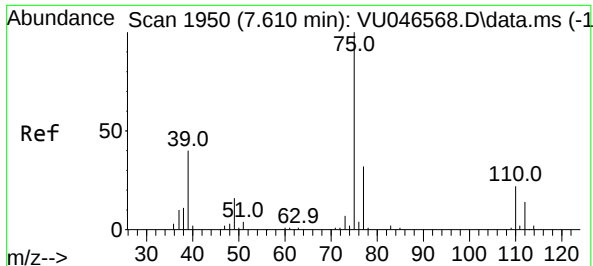
Tgt Ion: 63 Resp: 38274
Ion Ratio Lower Upper
63 100
112 4.5 3.2 4.8



#38
Bromodichloromethane
Concen: 4.648 ug/L
RT: 7.108 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VU046578.D
Acq: 23 Dec 2021 20:13

Tgt Ion: 83 Resp: 52378
Ion Ratio Lower Upper
83 100
85 63.1 44.0 81.8
127 9.0 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 4.634 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VU046578.D

Acq: 23 Dec 2021 20:13

Instrument :

MSVOA_U

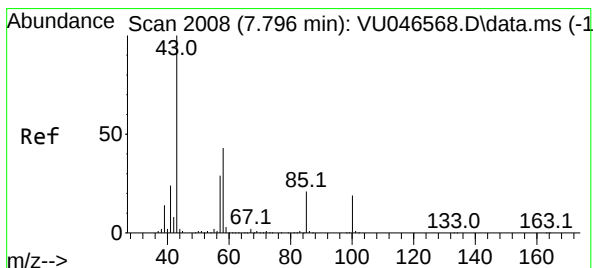
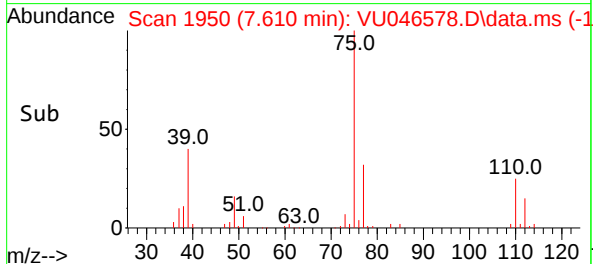
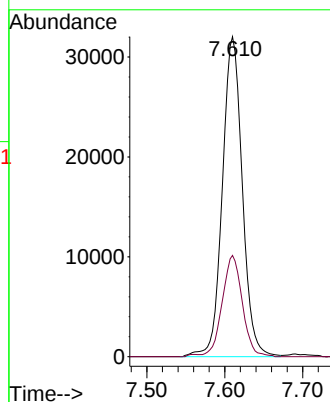
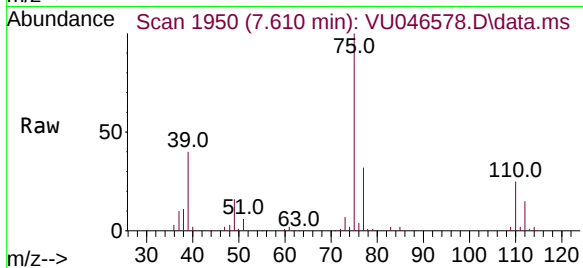
ClientSampleId :

Tgt Ion: 75 Resp: 57107

Ion Ratio Lower Upper

75 100

77 31.6 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 46.523 ug/L

RT: 7.796 min Scan# 2008

Delta R.T. 0.000 min

Lab File: VU046578.D

Acq: 23 Dec 2021 20:13

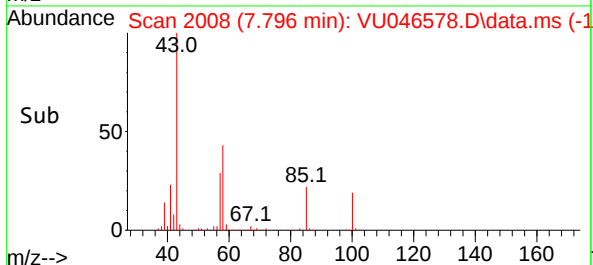
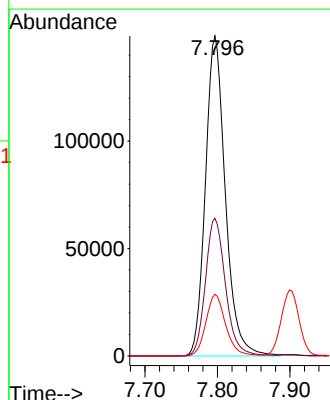
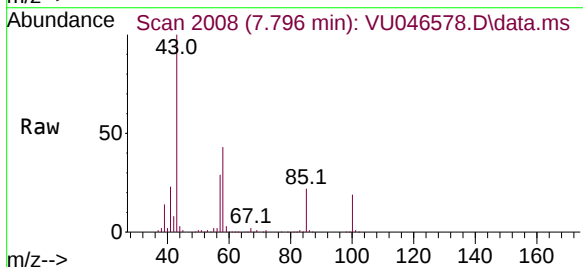
Tgt Ion: 43 Resp: 284338

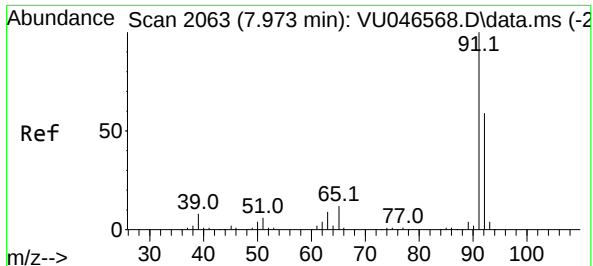
Ion Ratio Lower Upper

43 100

58 43.3 33.1 49.7

100 19.1 13.2 19.8





#42

Toluene

Concen: 4.990 ug/L

RT: 7.970 min Scan# 2063

Delta R.T. -0.003 min

Lab File: VU046578.D

Acq: 23 Dec 2021 20:13

Instrument :

MSVOA_U

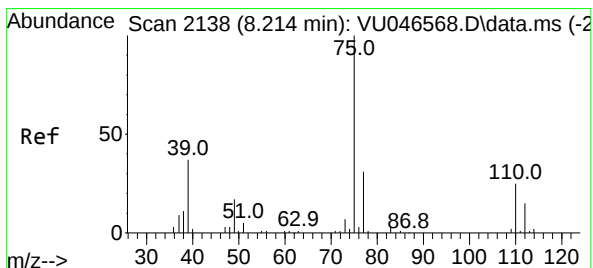
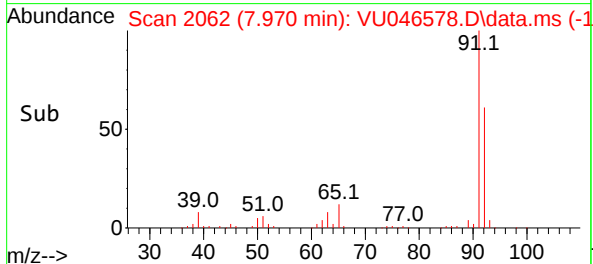
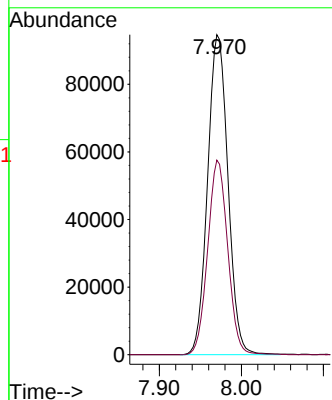
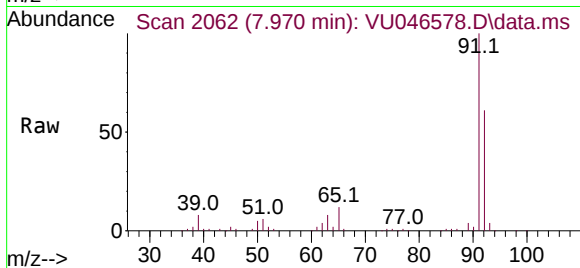
ClientSampleId :

Tgt Ion: 91 Resp: 163485

Ion Ratio Lower Upper

91 100

92 60.8 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 4.675 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU046578.D

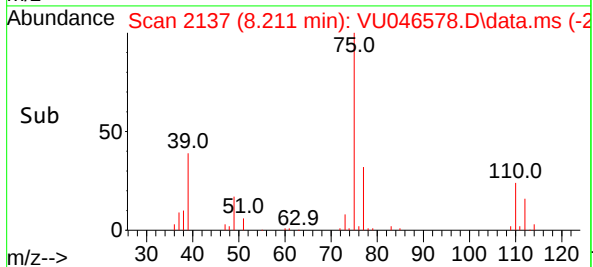
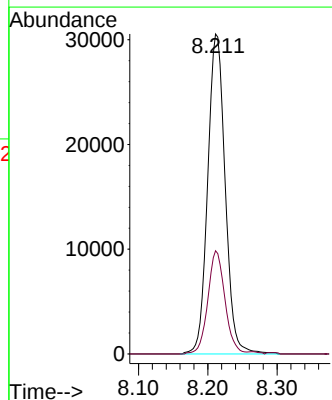
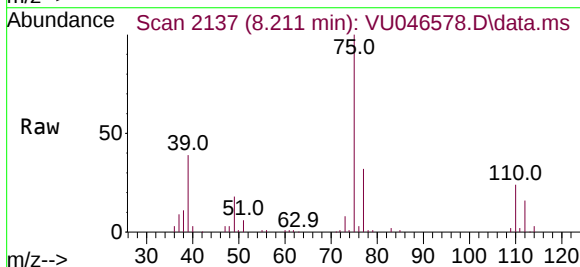
Acq: 23 Dec 2021 20:13

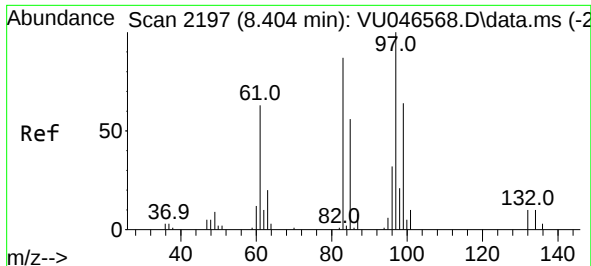
Tgt Ion: 75 Resp: 53390

Ion Ratio Lower Upper

75 100

77 32.3 22.7 42.3





#45

1,1,2-Trichloroethane

Concen: 4.607 ug/L

RT: 8.401 min Scan# 2196

Delta R.T. -0.003 min

Lab File: VU046578.D

Acq: 23 Dec 2021 20:13

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 32350

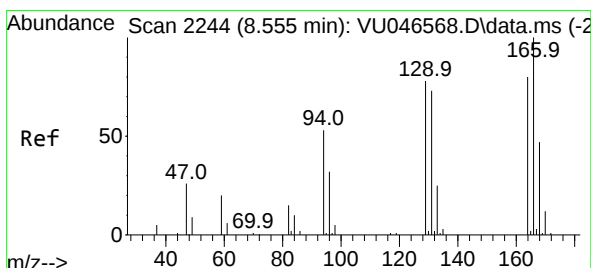
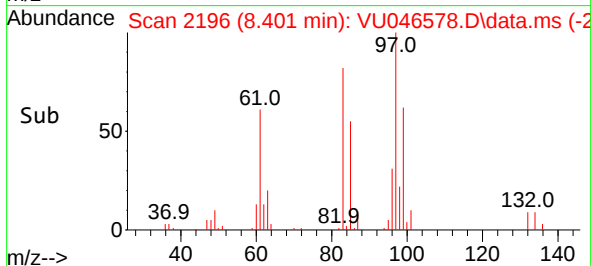
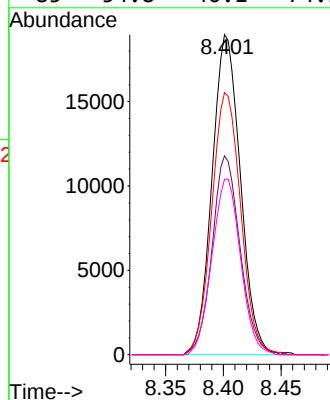
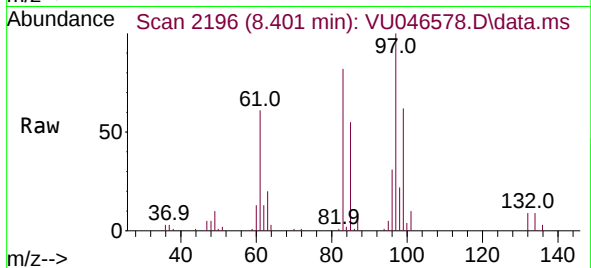
Ion Ratio Lower Upper

97 100

99 62.2 42.3 78.5

83 81.9 62.0 115.2

85 54.8 40.1 74.5



#47

Tetrachloroethene

Concen: 4.955 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.006 min

Lab File: VU046578.D

Acq: 23 Dec 2021 20:13

Tgt Ion: 164 Resp: 29504

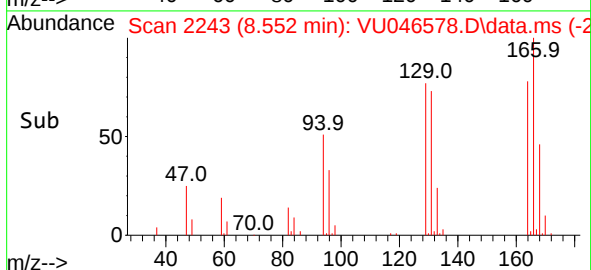
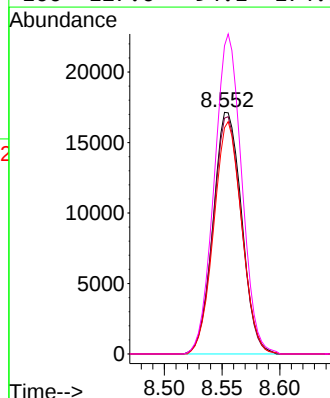
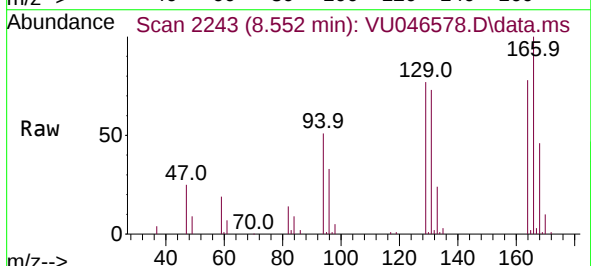
Ion Ratio Lower Upper

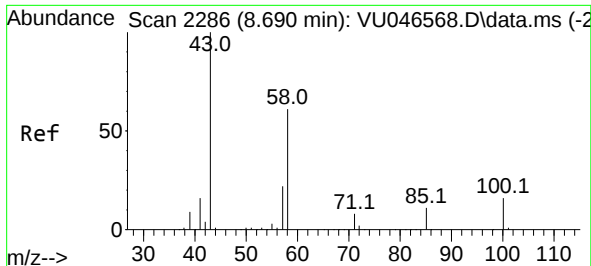
164 100

129 97.6 71.8 133.4

131 93.6 68.5 127.3

166 127.6 94.1 174.8



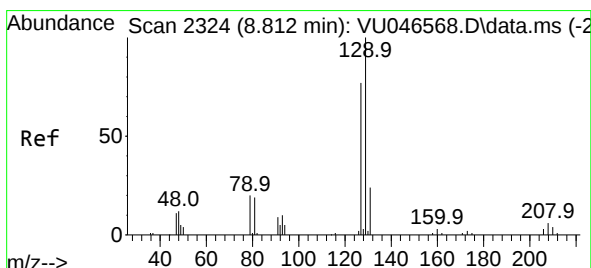
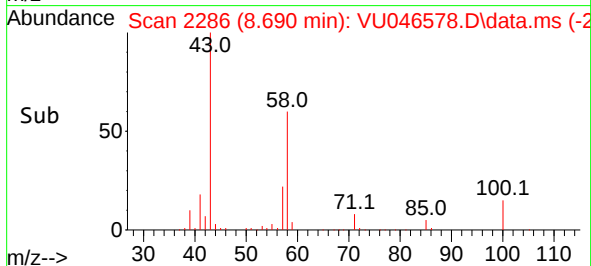
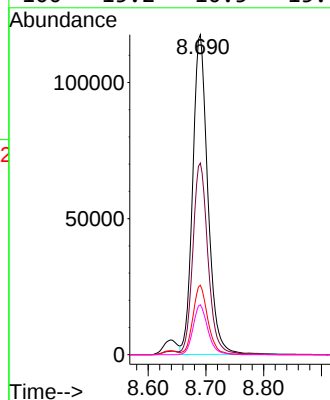
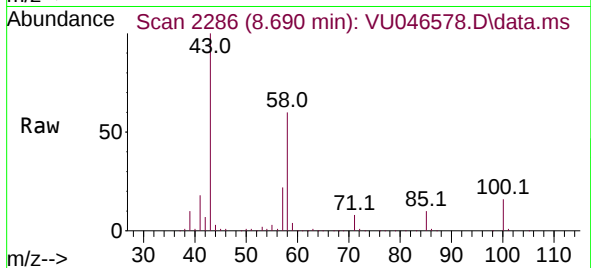


#48
2-Hexanone
Concen: 46.977 ug/L
RT: 8.690 min Scan# 2144
Delta R.T. 0.000 min
Lab File: VU046578.D
Acq: 23 Dec 2021 20:13

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 214422

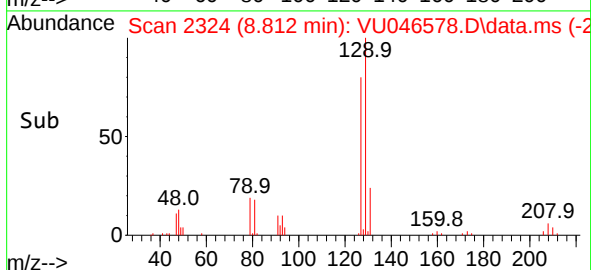
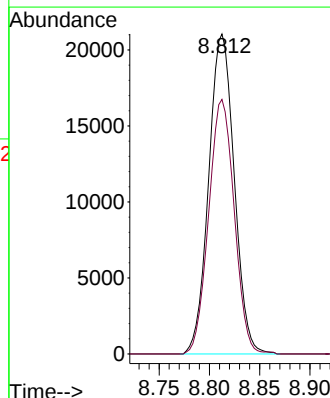
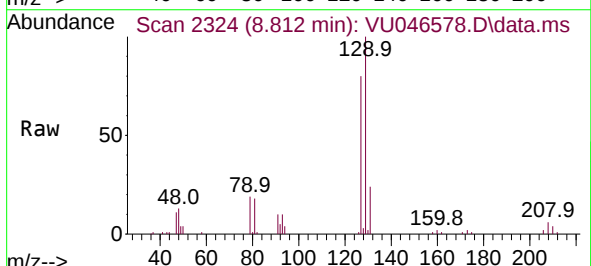
Ion	Ratio	Lower	Upper
43	100		
58	59.8	46.7	70.1
57	21.3	16.3	24.5
100	15.2	10.5	15.7

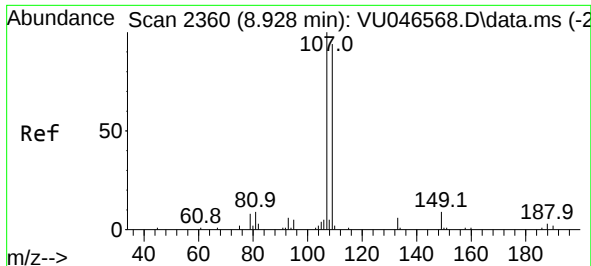


#49
Dibromochloromethane
Concen: 4.592 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. 0.000 min
Lab File: VU046578.D
Acq: 23 Dec 2021 20:13

Tgt Ion: 129 Resp: 37190

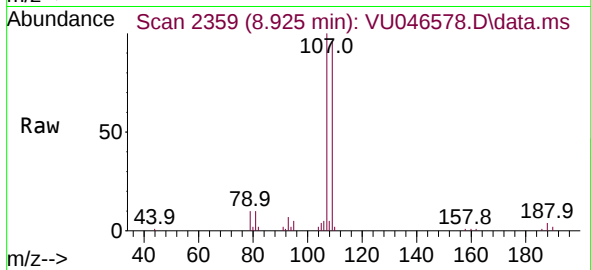
Ion	Ratio	Lower	Upper
129	100		
127	79.6	55.4	102.8



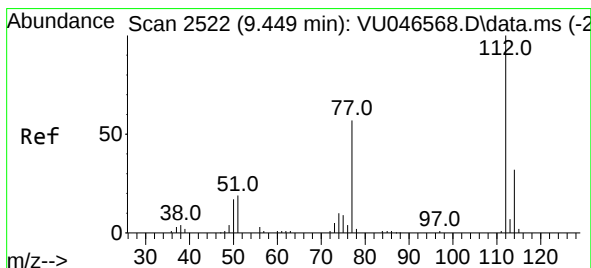
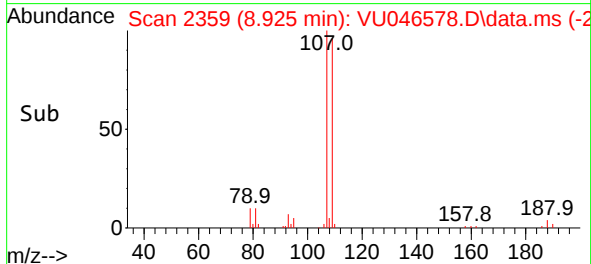
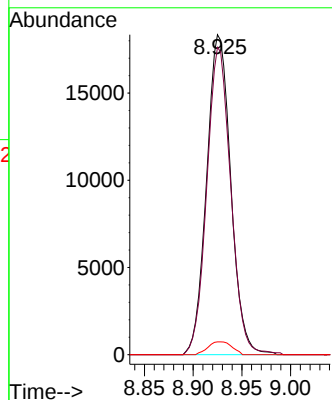


#50
1,2-Dibromoethane
Concen: 4.676 ug/L
RT: 8.925 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU046578.D
Acq: 23 Dec 2021 20:13

Instrument :
MSVOA_U
ClientSampleId :

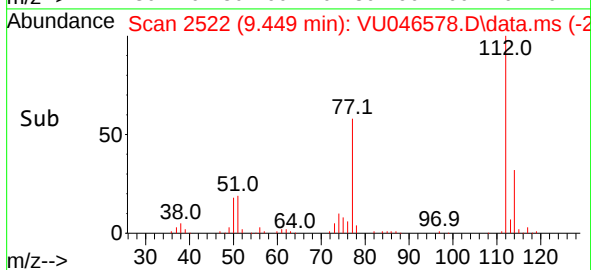
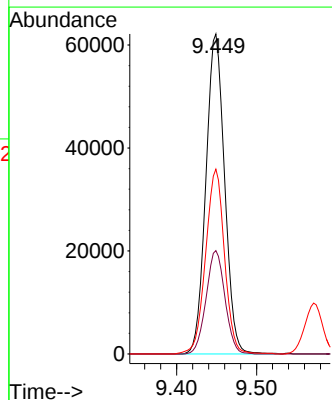
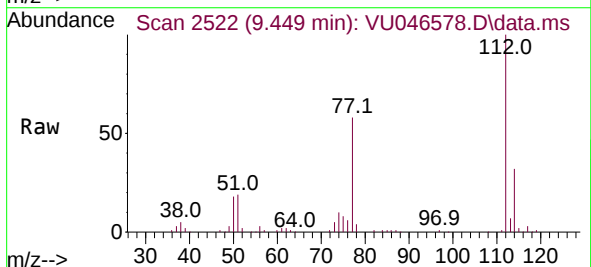


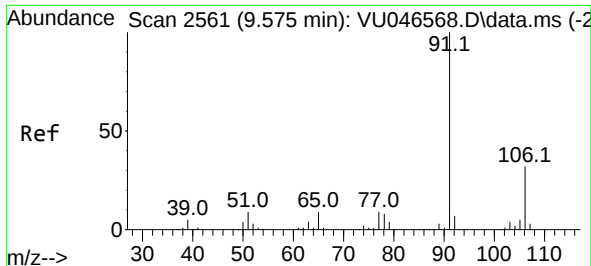
Tgt Ion:107 Resp: 31690
Ion Ratio Lower Upper
107 100
109 96.1 64.0 119.0
188 4.0 2.4 3.6#



#51
Chlorobenzene
Concen: 4.828 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VU046578.D
Acq: 23 Dec 2021 20:13

Tgt Ion:112 Resp: 101108
Ion Ratio Lower Upper
112 100
114 32.3 22.1 41.1
77 57.7 48.3 72.5





#52

Ethylbenzene

Concen: 4.987 ug/L

RT: 9.571 min Scan# 2561

Delta R.T. 0.000 min

Lab File: VU046578.D

Acq: 23 Dec 2021 20:13

Instrument :

MSVOA_U

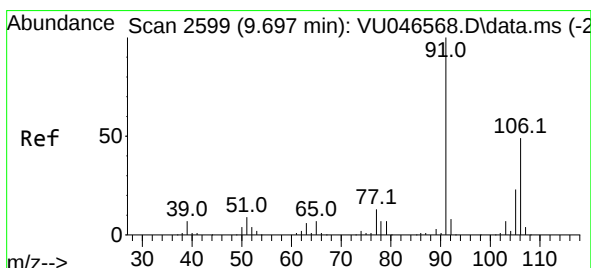
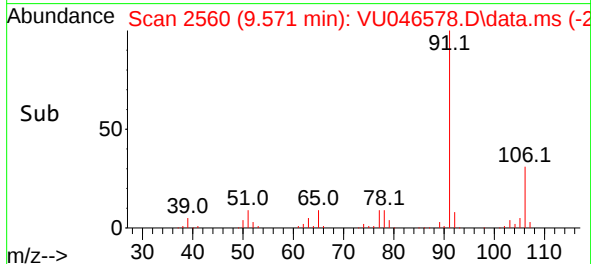
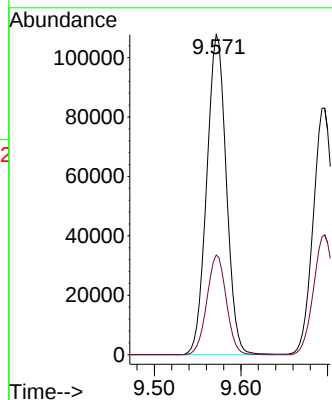
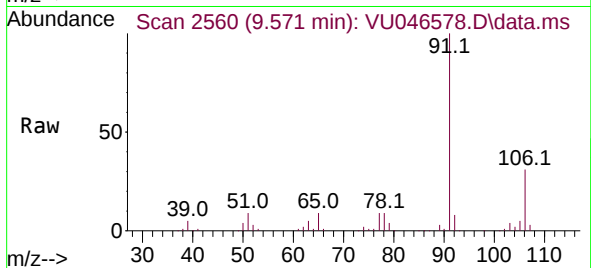
ClientSampleId :

Tgt Ion: 91 Resp: 169112

Ion Ratio Lower Upper

91 100

106 31.2 21.5 39.9



#53

m,p-Xylene

Concen: 5.164 ug/L

RT: 9.697 min Scan# 2599

Delta R.T. 0.000 min

Lab File: VU046578.D

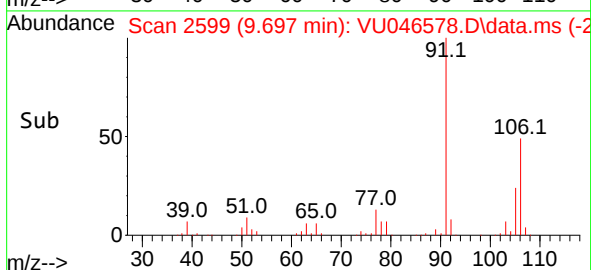
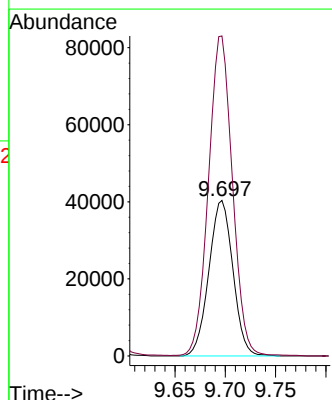
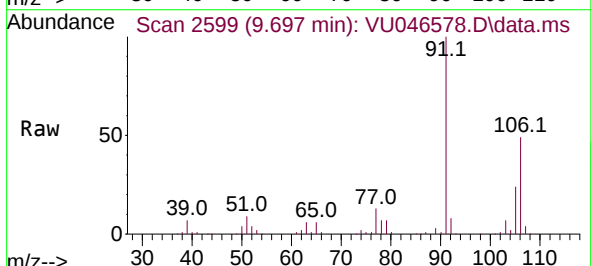
Acq: 23 Dec 2021 20:13

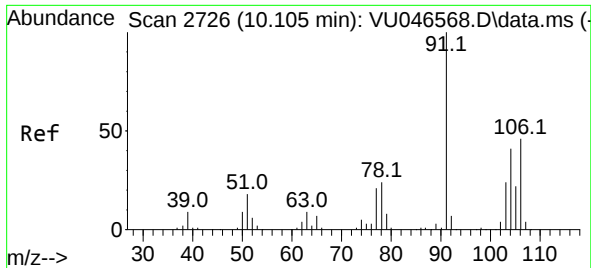
Tgt Ion:106 Resp: 67089

Ion Ratio Lower Upper

106 100

91 205.8 139.4 259.0

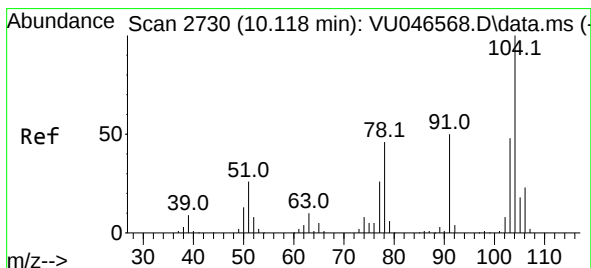
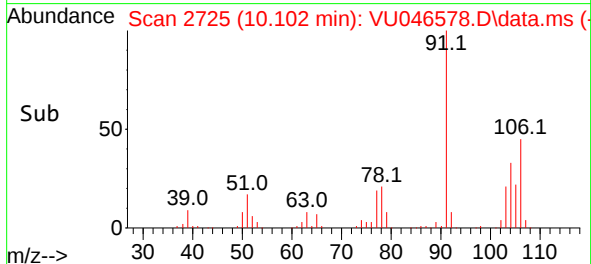
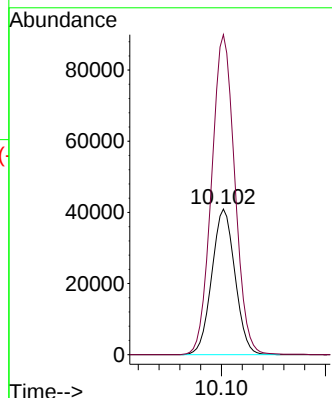
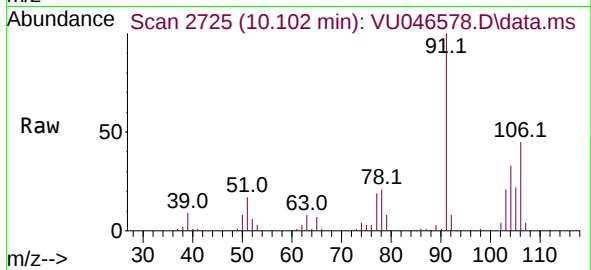




#54
o-Xylene
Concen: 5.081 ug/L
RT: 10.102 min Scan# 2726
Delta R.T. 0.000 min
Lab File: VU046578.D
Acq: 23 Dec 2021 20:13

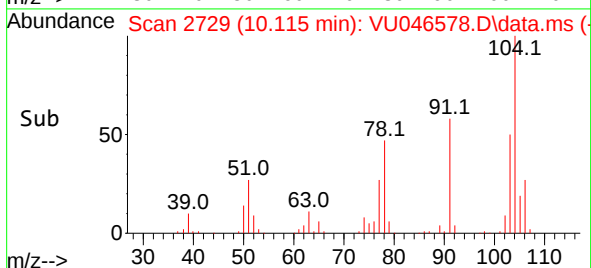
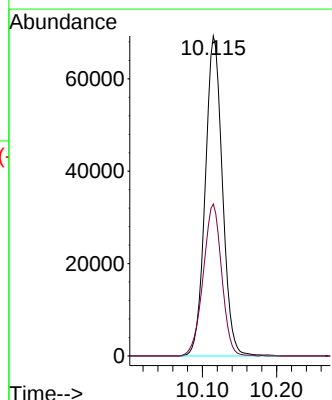
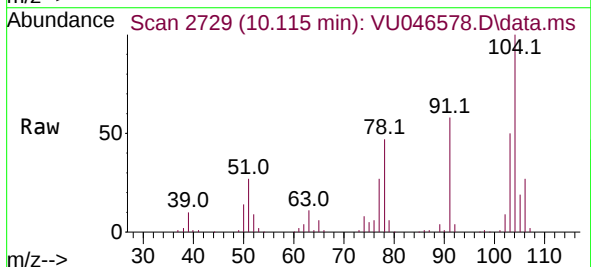
Instrument :
MSVOA_U
ClientSampleId :

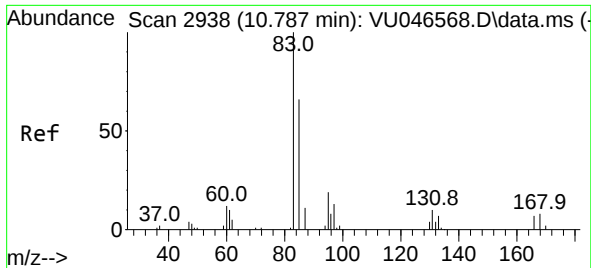
Tgt Ion:106 Resp: 63426
Ion Ratio Lower Upper
106 100
91 219.8 147.5 273.9



#55
Styrene
Concen: 5.139 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.000 min
Lab File: VU046578.D
Acq: 23 Dec 2021 20:13

Tgt Ion:104 Resp: 111283
Ion Ratio Lower Upper
104 100
78 47.5 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 4.720 ug/L

RT: 10.783 min Scan# 2938

Delta R.T. 0.000 min

Lab File: VU046578.D

Acq: 23 Dec 2021 20:13

Instrument :

MSVOA_U

ClientSampleId :

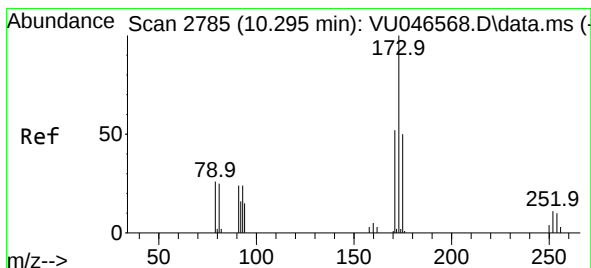
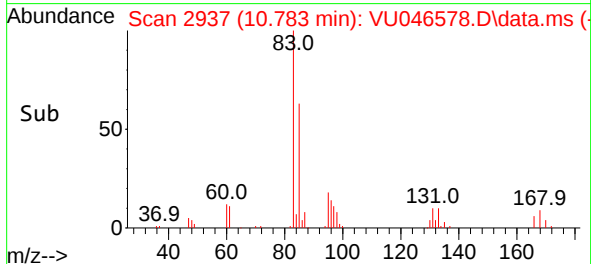
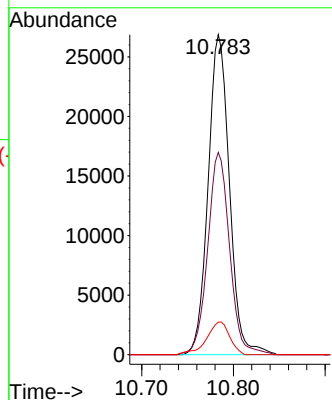
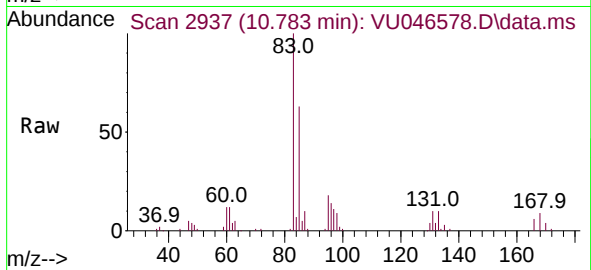
Tgt Ion: 83 Resp: 43309

Ion Ratio Lower Upper

83 100

85 63.2 47.9 89.1

131 10.1 8.1 12.1



#59

Bromoform

Concen: 4.741 ug/L

RT: 10.295 min Scan# 2785

Delta R.T. 0.000 min

Lab File: VU046578.D

Acq: 23 Dec 2021 20:13

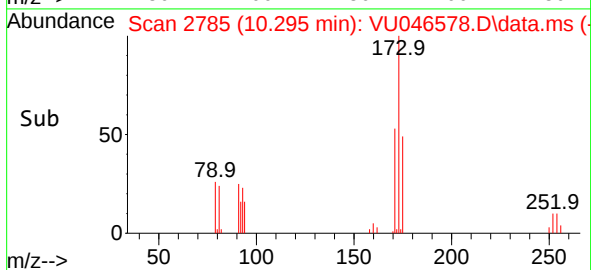
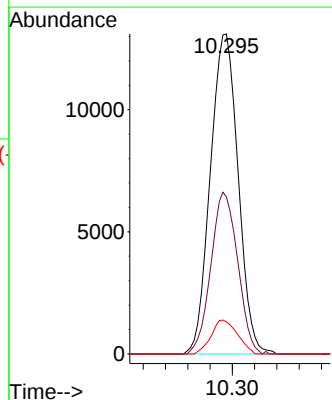
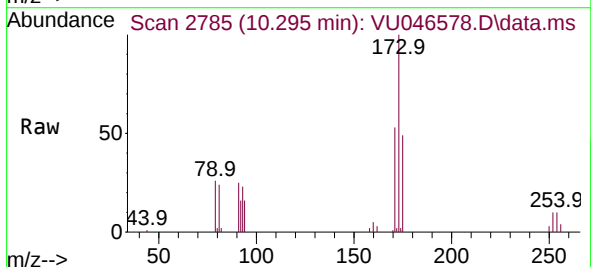
Tgt Ion:173 Resp: 22717

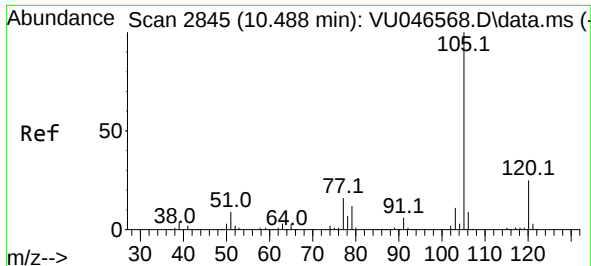
Ion Ratio Lower Upper

173 100

175 48.7 37.8 56.6

254 10.0 7.3 10.9

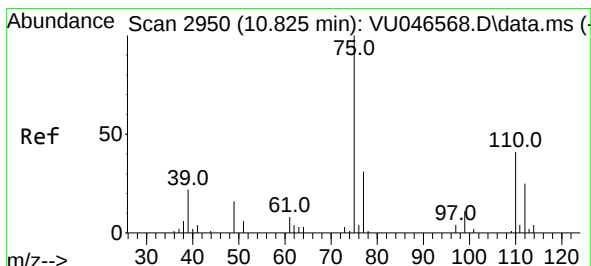
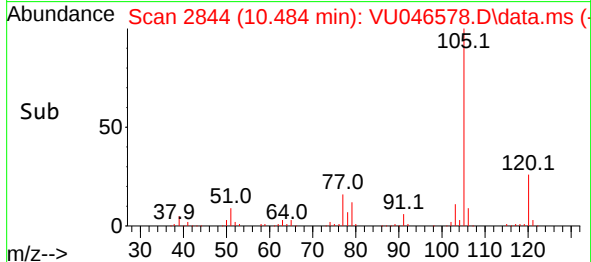
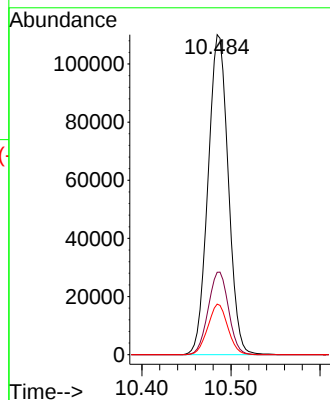
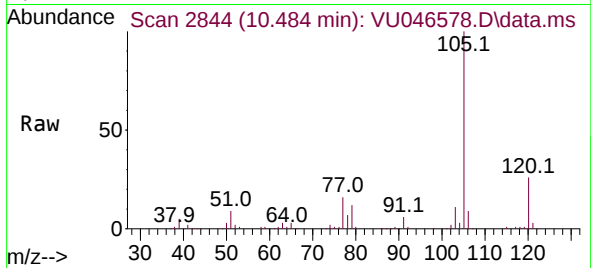




#60
Isopropylbenzene
Concen: 5.416 ug/L
RT: 10.484 min Scan# 2845
Delta R.T. -0.003 min
Lab File: VU046578.D
Acq: 23 Dec 2021 20:13

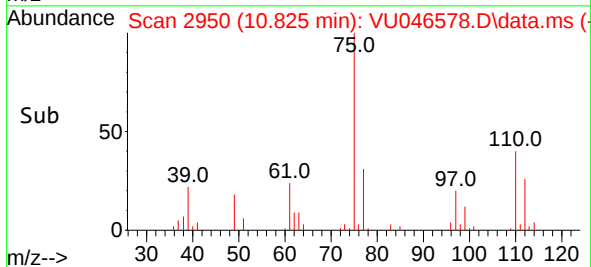
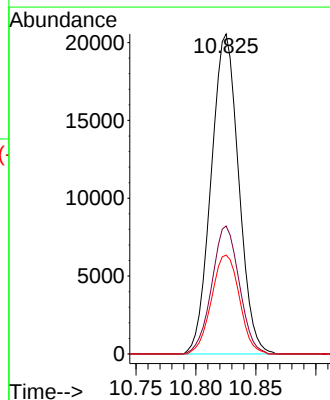
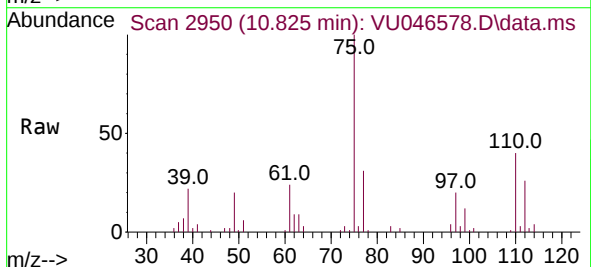
Instrument :
MSVOA_U
ClientSampleId :

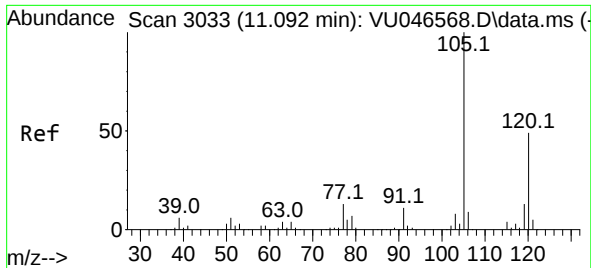
Tgt Ion:105 Resp: 173203
Ion Ratio Lower Upper
105 100
120 26.0 20.7 31.1
77 15.6 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 4.761 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU046578.D
Acq: 23 Dec 2021 20:13

Tgt Ion: 75 Resp: 32791
Ion Ratio Lower Upper
75 100
110 39.9 29.9 44.9
77 31.3 25.5 38.3

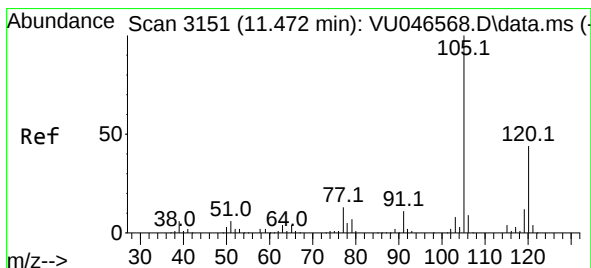
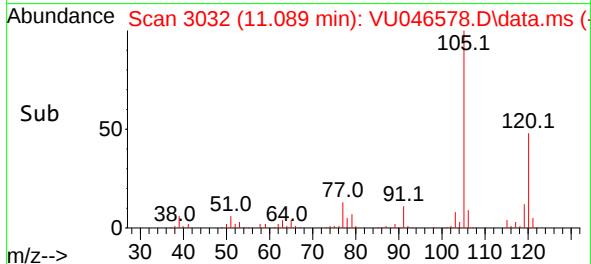
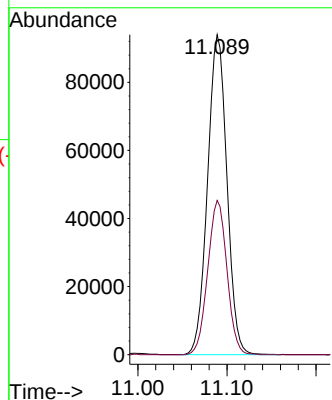
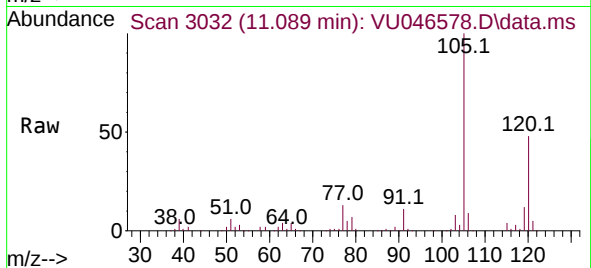




#62
 1,3,5-Trimethylbenzene
 Concen: 5.326 ug/L
 RT: 11.089 min Scan# 3033
 Delta R.T. 0.000 min
 Lab File: VU046578.D
 Acq: 23 Dec 2021 20:13

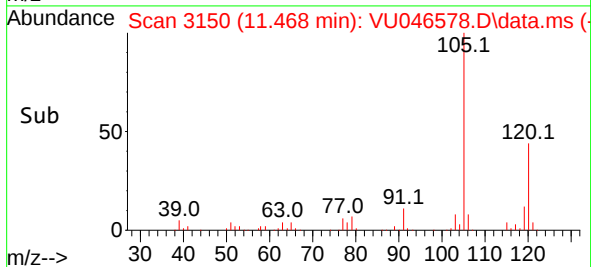
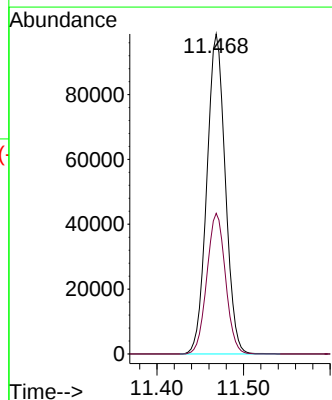
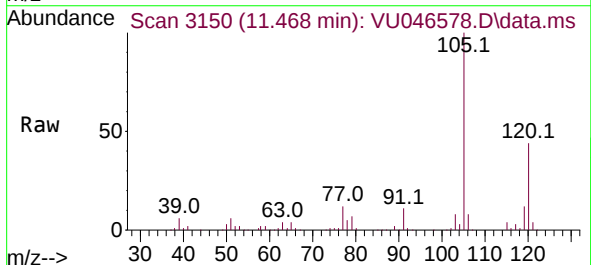
Instrument :
 MSVOA_U
 ClientSampleId :

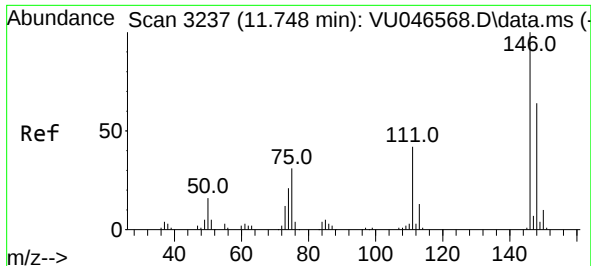
Tgt Ion:105 Resp: 141662
 Ion Ratio Lower Upper
 105 100
 120 47.7 38.3 57.5



#63
 1,2,4-Trimethylbenzene
 Concen: 5.452 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. 0.000 min
 Lab File: VU046578.D
 Acq: 23 Dec 2021 20:13

Tgt Ion:105 Resp: 146049
 Ion Ratio Lower Upper
 105 100
 120 44.3 35.8 53.8

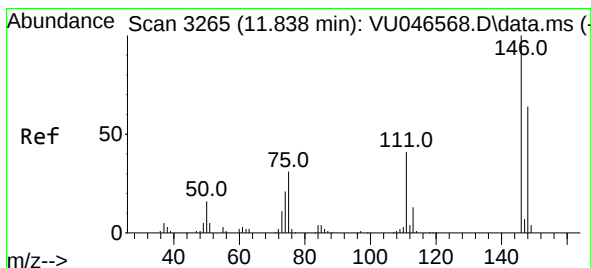
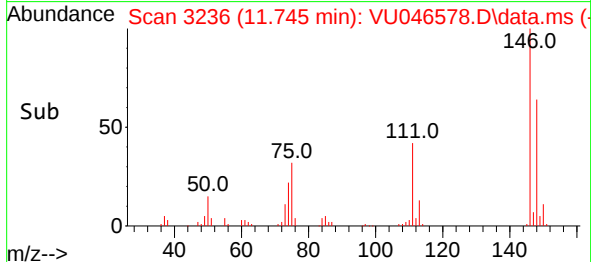
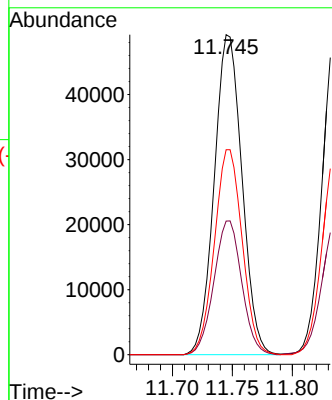
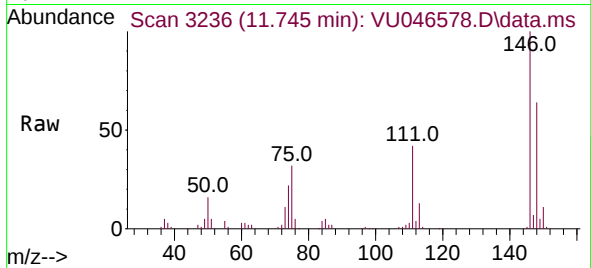




#64
1,3-Dichlorobenzene
Concen: 5.079 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU046578.D
Acq: 23 Dec 2021 20:13

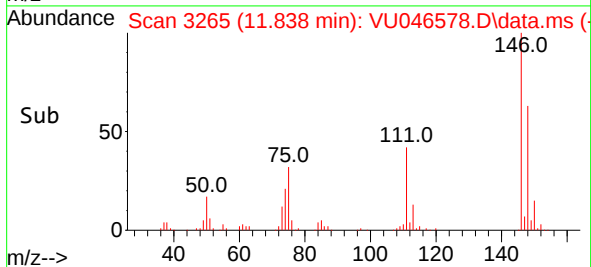
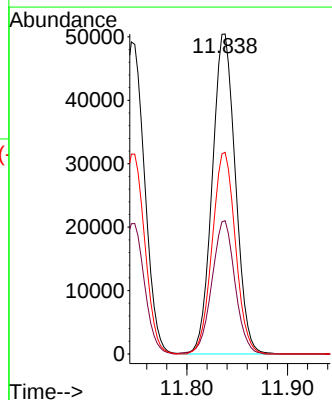
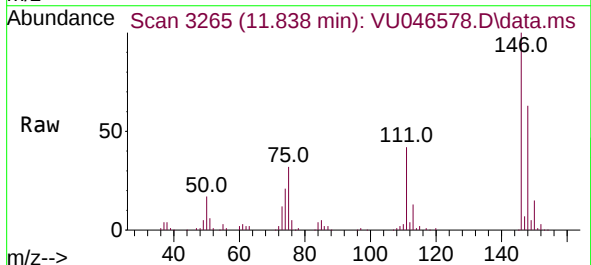
Instrument :
MSVOA_U
ClientSampleId :

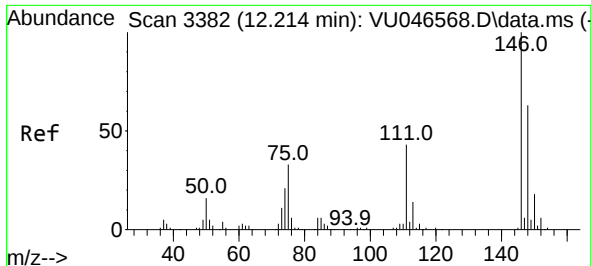
Tgt Ion:146 Resp: 78961
Ion Ratio Lower Upper
146 100
111 41.7 29.9 55.5
148 64.0 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 5.084 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.000 min
Lab File: VU046578.D
Acq: 23 Dec 2021 20:13

Tgt Ion:146 Resp: 80909
Ion Ratio Lower Upper
146 100
111 41.6 28.7 53.3
148 63.0 45.8 85.0





#67

1,2-Dichlorobenzene

Concen: 5.081 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU046578.D

Acq: 23 Dec 2021 20:13

Instrument :

MSVOA_U

ClientSampleId :

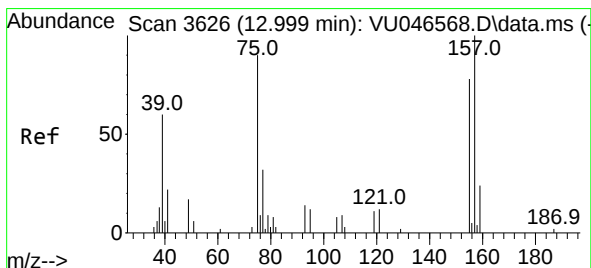
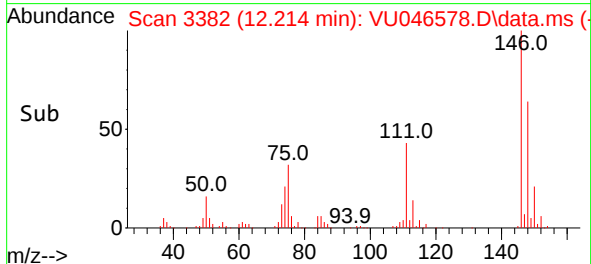
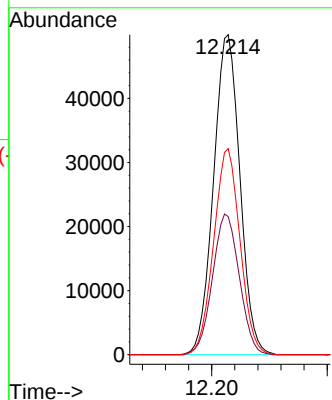
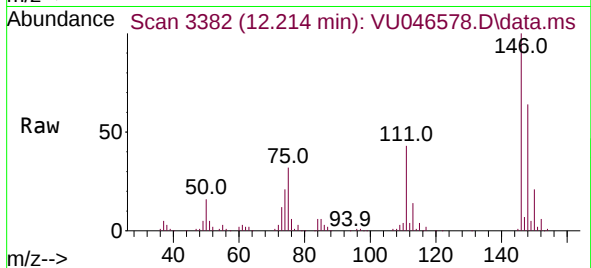
Tgt Ion:146 Resp: 79231

Ion Ratio Lower Upper

146 100

111 43.2 35.4 53.0

148 64.4 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 4.667 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. -0.003 min

Lab File: VU046578.D

Acq: 23 Dec 2021 20:13

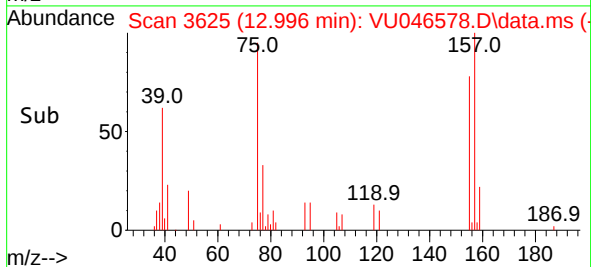
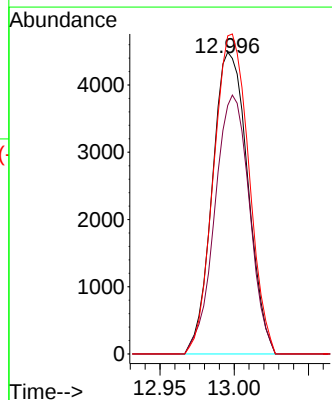
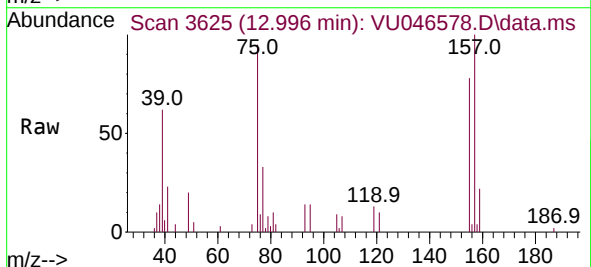
Tgt Ion: 75 Resp: 7440

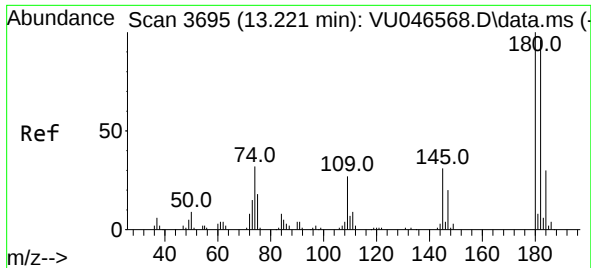
Ion Ratio Lower Upper

75 100

155 82.3 59.2 88.8

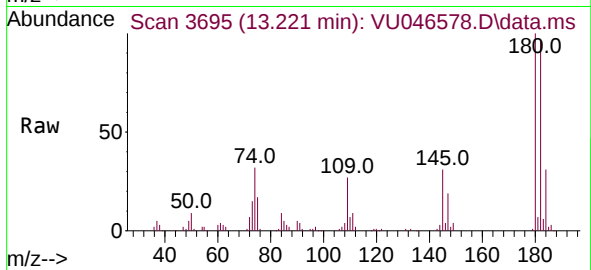
157 105.4 76.5 114.7



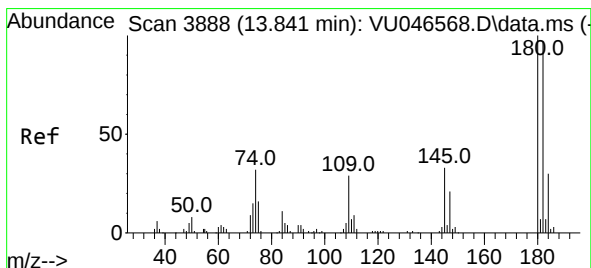
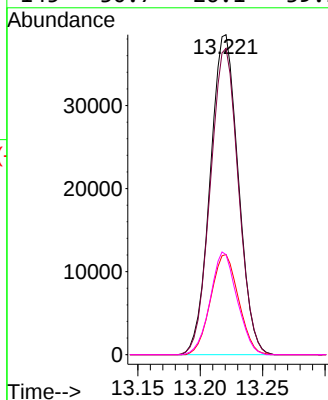
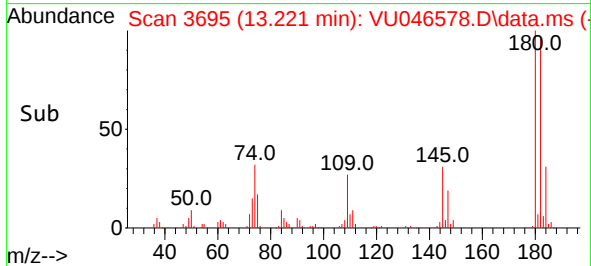


#69
 1,3,5-Trichlorobenzene
 Concen: 5.139 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.000 min
 Lab File: VU046578.D
 Acq: 23 Dec 2021 20:13

Instrument :
 MSVOA_U
 ClientSampleId :

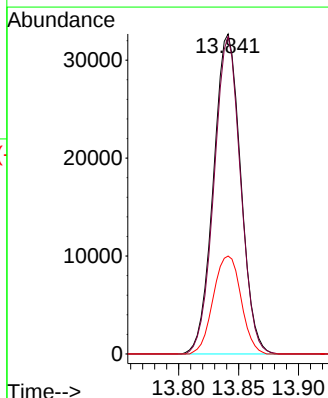
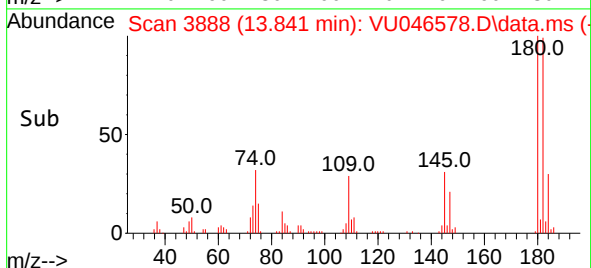
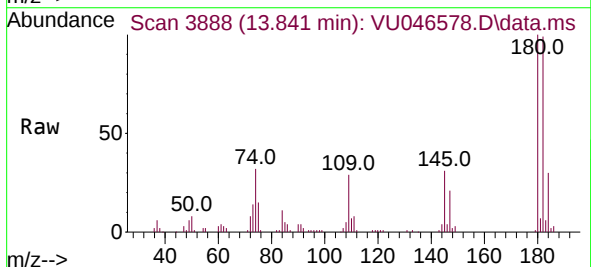


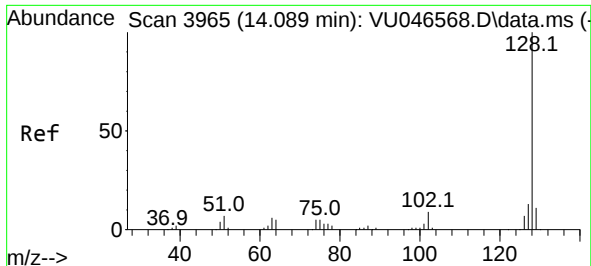
Tgt Ion:	180	Resp:	60466
Ion Ratio	Lower	Upper	
180	100		
182	95.6	76.1	114.1
184	31.0	25.0	37.4
145	30.7	26.1	39.1



#70
 1,2,4-trichlorobenzene
 Concen: 5.177 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU046578.D
 Acq: 23 Dec 2021 20:13

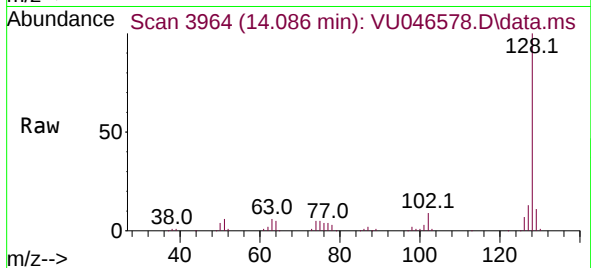
Tgt Ion:	180	Resp:	51598
Ion Ratio	Lower	Upper	
180	100		
182	96.2	76.4	114.6
145	31.2	25.6	38.4



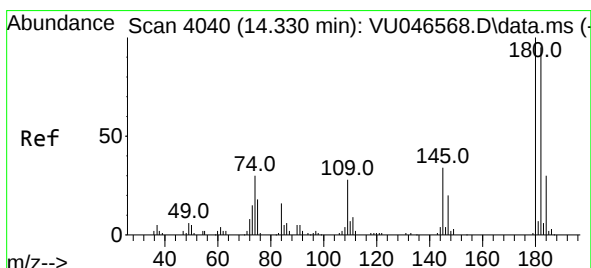
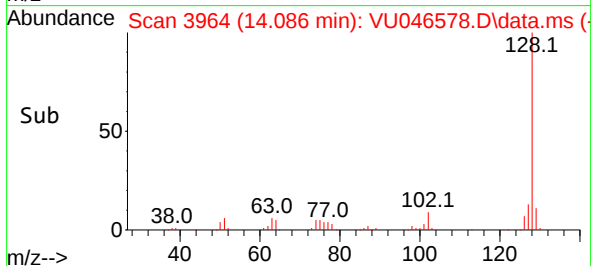
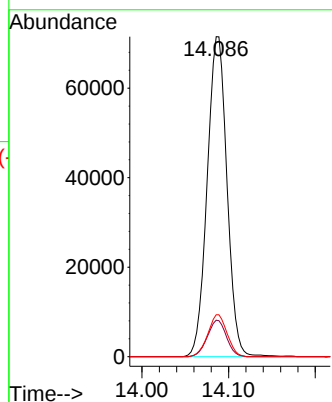


#71
Naphthalene
Concen: 5.127 ug/L
RT: 14.086 min Scan# 3965
Delta R.T. -0.003 min
Lab File: VU046578.D
Acq: 23 Dec 2021 20:13

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 113471
Ion Ratio Lower Upper
128 100
129 11.0 8.4 12.6
127 12.8 10.2 15.2



#72
1,2,3-Trichlorobenzene
Concen: 5.272 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.003 min
Lab File: VU046578.D
Acq: 23 Dec 2021 20:13

Tgt Ion:180 Resp: 52016
Ion Ratio Lower Upper
180 100
182 94.8 76.2 114.4
145 33.9 28.4 42.6

