

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122121\
 Data File : VU046546.D
 Acq On : 22 Dec 2021 00:33
 Operator : SY/MD
 Sample : M5149-07MSD
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 22 05:49:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 21 14:35:13 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	90931	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	89954	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	46675	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	31607	4.413	ug/L	0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.200%
7) Chloroethane-d5	1.919	69	25694	4.556	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.200%
11) 1,1-Dichloroethene-d2	2.572	65	13639	4.516	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.400%
20) 2-Butanone-d5	4.658	46	110167	53.027	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.060%
24) Chloroform-d	5.070	84	61088	4.655	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.000%
26) 1,2-Dichloroethane-d4	5.706	65	35866	4.780	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.600%
32) Benzene-d6	5.732	84	115432	4.603	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.000%
36) 1,2-Dichloropropane-d6	6.694	67	35806	4.752	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.000%
41) Toluene-d8	7.899	98	105076	4.617	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.400%
43) trans-1,3-Dichloroprop...	8.182	79	16355	4.693	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.800%
46) 2-Hexanone-d5	8.636	63	109383	53.460	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.920%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	37489	4.848	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.000%
66) 1,2-Dichlorobenzene-d4	12.195	152	42408	4.932	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	72089	5.181	ug/L	99
3) Chloromethane	1.523	50	54353	4.536	ug/L	98
5) Vinyl chloride	1.607	62	56056	4.751	ug/L	100
6) Bromomethane	1.864	94	26868	3.784	ug/L	98
8) Chloroethane	1.941	64	31641	4.569	ug/L	100
9) Trichlorofluoromethane	2.147	101	77570	5.027	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	40895	5.206	ug/L	96
12) 1,1-Dichloroethene	2.588	96	38941	4.868	ug/L #	78
13) Acetone	2.678	43	84104	43.178	ug/L	53
14) Carbon disulfide	2.800	76	129573	4.959	ug/L	99
15) Methyl Acetate	2.967	43	15752	4.004	ug/L #	83
16) Methylene chloride	3.054	84	43774	4.498	ug/L	91
17) Methyl tert-butyl Ether	3.369	73	114353	4.901	ug/L	98
18) trans-1,2-Dichloroethene	3.359	96	41779	4.896	ug/L	93
19) 1,1-Dichloroethane	3.877	63	72622	4.620	ug/L	98
21) 2-Butanone	4.735	43	136844	46.306	ug/L	97
22) cis-1,2-Dichloroethene	4.674	96	50591	5.424	ug/L	99
23) Bromochloromethane	4.980	128	21645	4.663	ug/L	91
25) Chloroform	5.092	83	77974	4.592	ug/L	98

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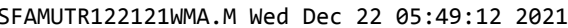
Instrument :
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 ClientSampleId :

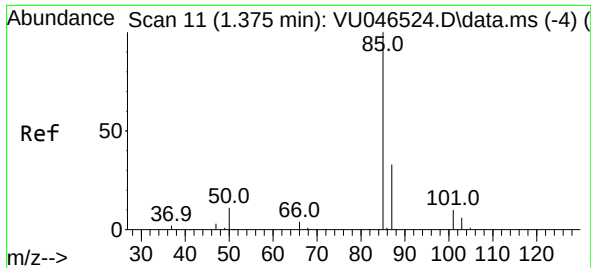
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	55674	4.592	ug/L	99
29) 1,1,1-Trichloroethane	5.321	97	70969	4.771	ug/L	97
30) Cyclohexane	5.391	56	79983	6.500	ug/L	94
31) Carbon tetrachloride	5.530	117	61181	4.902	ug/L	100
33) Benzene	5.777	78	169069	4.730	ug/L	100
34) Trichloroethene	6.546	95	95728	10.160	ug/L	98
35) Methylcyclohexane	6.767	83	72950	5.491	ug/L	96
37) 1,2-Dichloropropane	6.793	63	42432	4.654	ug/L	99
38) Bromodichloromethane	7.108	83	57994	4.596	ug/L	97
39) cis-1,3-Dichloropropene	7.610	75	64881	4.701	ug/L	98
40) 4-Methyl-2-pentanone	7.796	43	331720	48.472	ug/L	96
42) Toluene	7.970	91	186254	5.077	ug/L	98
44) trans-1,3-Dichloropropene	8.211	75	60257	4.712	ug/L	98
45) 1,1,2-Trichloroethane	8.404	97	36704	4.668	ug/L	97
47) Tetrachloroethene	8.555	164	33580	5.037	ug/L	96
48) 2-Hexanone	8.690	43	248483	48.618	ug/L	97
49) Dibromochloromethane	8.812	129	41824	4.612	ug/L	99
50) 1,2-Dibromoethane	8.925	107	36279	4.780	ug/L	97
51) Chlorobenzene	9.449	112	114495	4.883	ug/L	99
52) Ethylbenzene	9.571	91	198207	5.220	ug/L	98
53) m,p-Xylene	9.697	106	78469	5.394	ug/L	96
54) o-Xylene	10.102	106	75057	5.369	ug/L	96
55) Styrene	10.115	104	128990	5.320	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.783	83	50187	4.885	ug/L	95
59) Bromoform	10.291	173	25953	4.813	ug/L	99
60) Isopropylbenzene	10.484	105	200302	5.565	ug/L	99
61) 1,2,3-Trichloropropane	10.825	75	37457	4.832	ug/L	98
62) 1,3,5-Trimethylbenzene	11.089	105	166137	5.550	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	171953	5.704	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	91541	5.232	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	90939	5.077	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	89046	5.074	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	9198	5.126	ug/L	91
69) 1,3,5-Trichlorobenzene	13.221	180	68628	5.182	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	61318	5.467	ug/L	99
71) Naphthalene	14.086	128	144854	5.815	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	60335	5.433	ug/L	99

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

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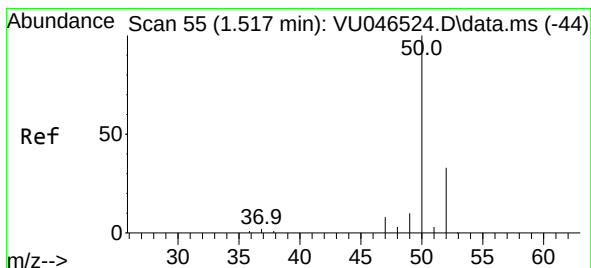
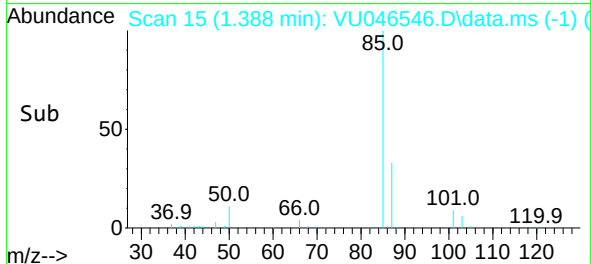
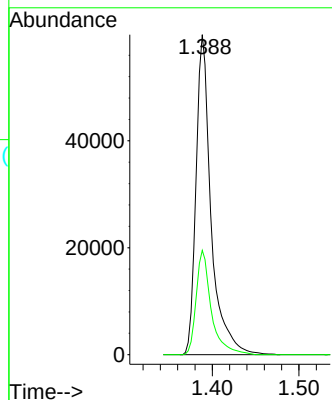
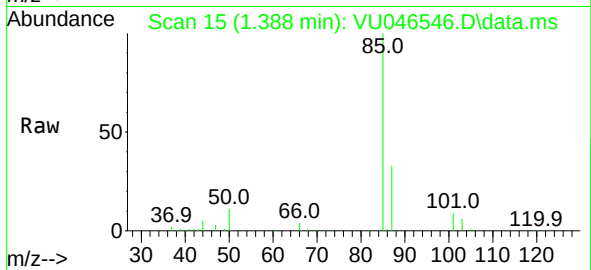




#2
 Dichlorodifluoromethane
 Concen: 5.181 ug/L
 RT: 1.388 min Scan# 11
 Delta R.T. 0.013 min
 Lab File: VU046546.D
 Acq: 22 Dec 2021 00:33

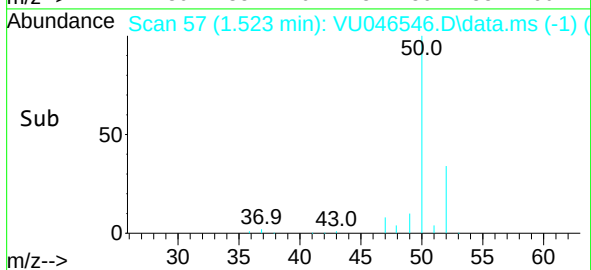
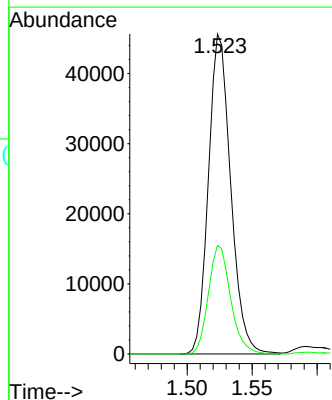
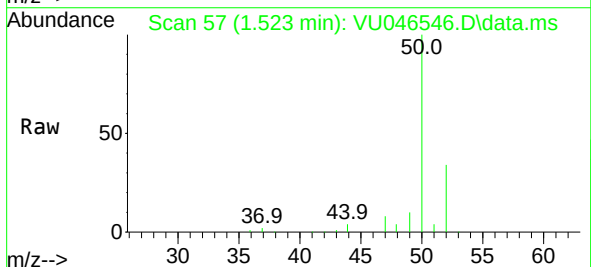
Instrument :
 MSVOA_U
 ClientSampleId :

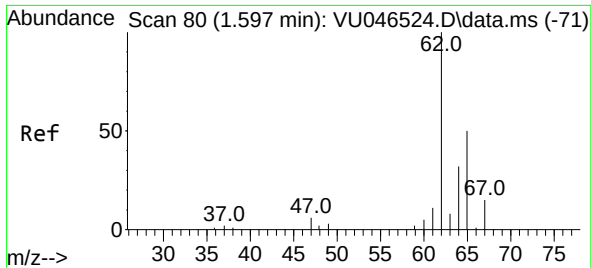
Tgt Ion: 85 Resp: 72089
 Ion Ratio Lower Upper
 85 100
 87 32.8 25.8 38.6



#3
 Chloromethane
 Concen: 4.536 ug/L
 RT: 1.523 min Scan# 57
 Delta R.T. 0.006 min
 Lab File: VU046546.D
 Acq: 22 Dec 2021 00:33

Tgt Ion: 50 Resp: 54353
 Ion Ratio Lower Upper
 50 100
 52 33.9 23.0 42.8

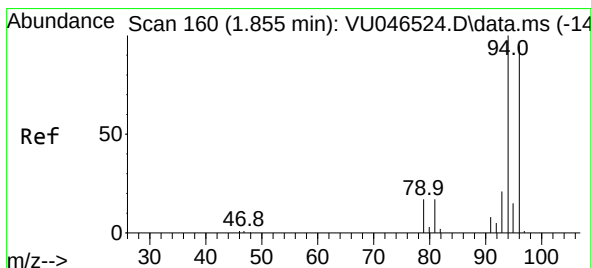
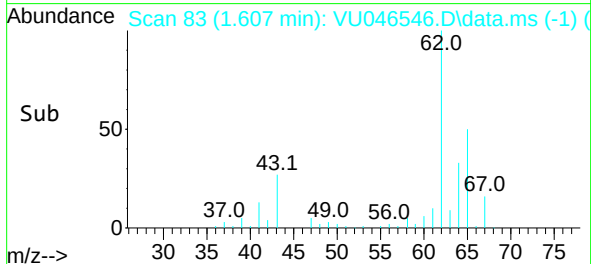
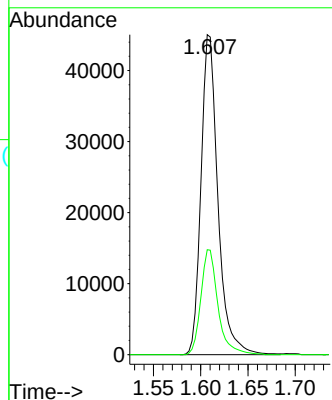
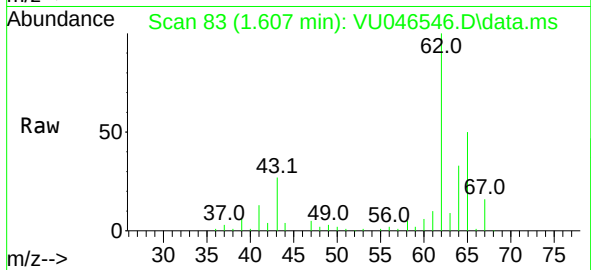




#5
 Vinyl chloride
 Concen: 4.751 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. 0.010 min
 Lab File: VU046546.D
 Acq: 22 Dec 2021 00:33

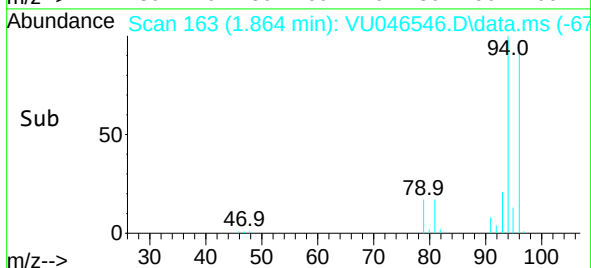
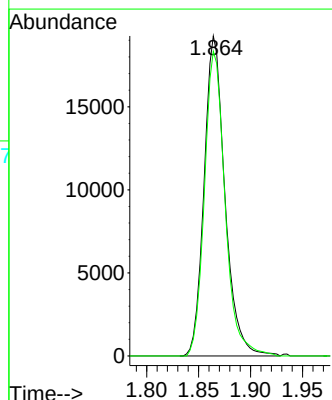
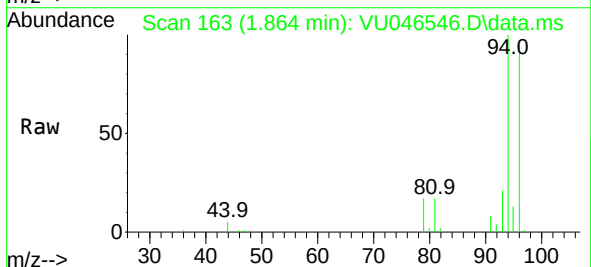
Instrument :
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 ClientSampleId :

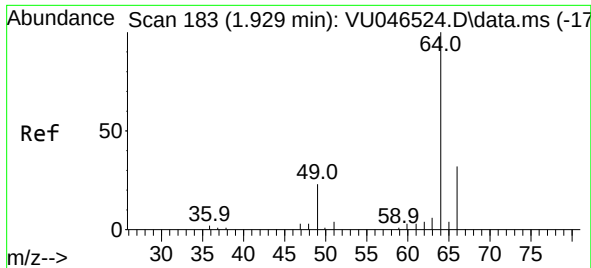
Tgt Ion: 62 Resp: 56056
 Ion Ratio Lower Upper
 62 100
 64 32.8 22.9 42.5



#6
 Bromomethane
 Concen: 3.784 ug/L
 RT: 1.864 min Scan# 163
 Delta R.T. 0.010 min
 Lab File: VU046546.D
 Acq: 22 Dec 2021 00:33

Tgt Ion: 94 Resp: 26868
 Ion Ratio Lower Upper
 94 100
 96 95.2 65.5 121.6

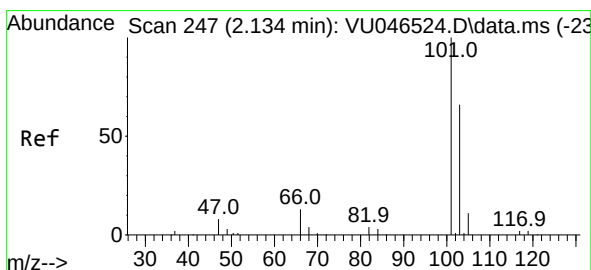
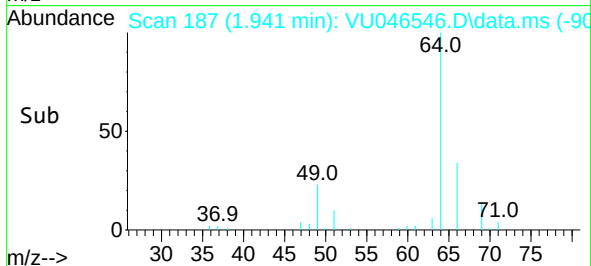
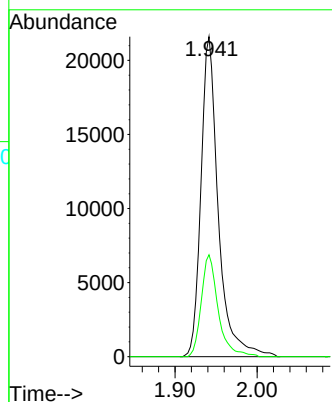
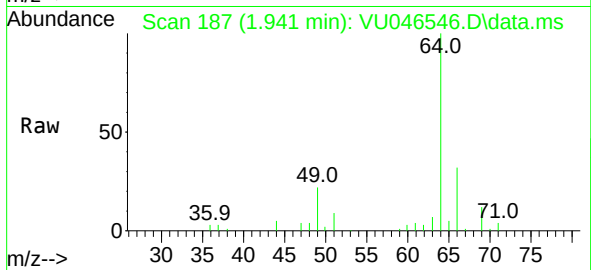




#8
Chloroethane
Concen: 4.569 ug/L
RT: 1.941 min Scan# 11
Delta R.T. 0.013 min
Lab File: VU046546.D
Acq: 22 Dec 2021 00:33

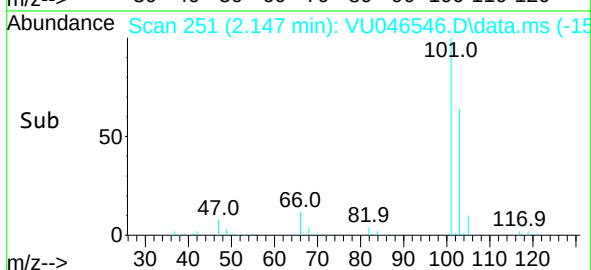
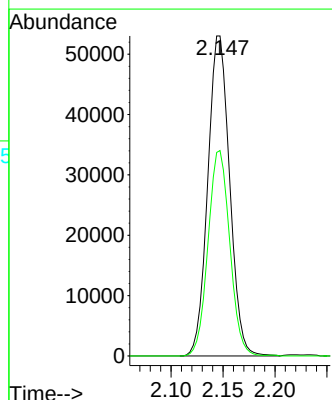
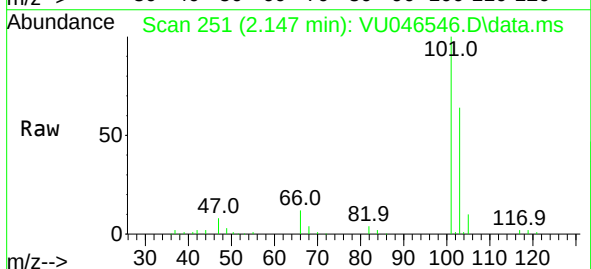
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MSVOA_U
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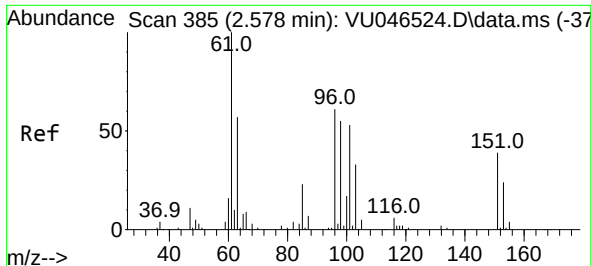
Tgt Ion: 64 Resp: 31641
Ion Ratio Lower Upper
64 100
66 31.8 22.1 41.1



#9
Trichlorofluoromethane
Concen: 5.027 ug/L
RT: 2.147 min Scan# 251
Delta R.T. 0.013 min
Lab File: VU046546.D
Acq: 22 Dec 2021 00:33

Tgt Ion:101 Resp: 77570
Ion Ratio Lower Upper
101 100
103 63.7 51.5 77.3

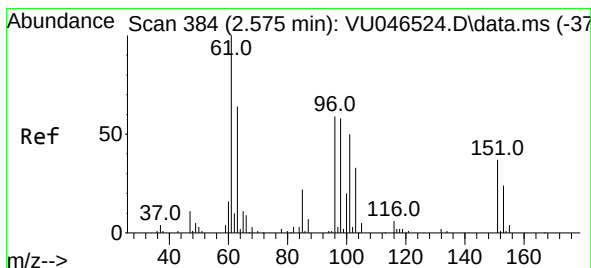
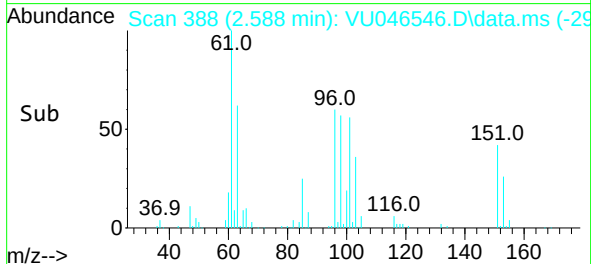
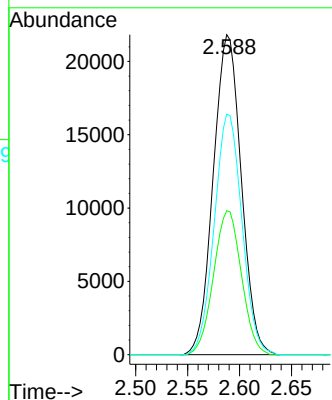
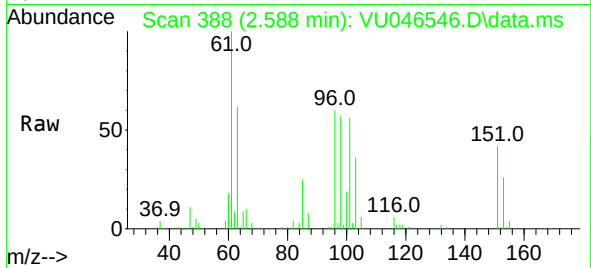




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.206 ug/L
RT: 2.588 min Scan# 388
Delta R.T. 0.010 min
Lab File: VU046546.D
Acq: 22 Dec 2021 00:33

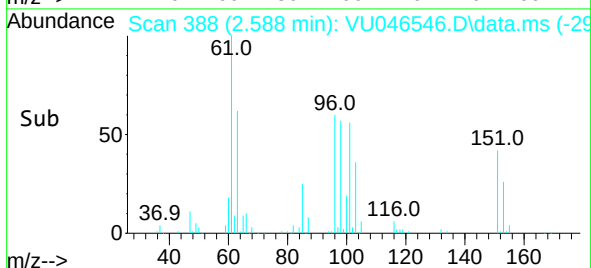
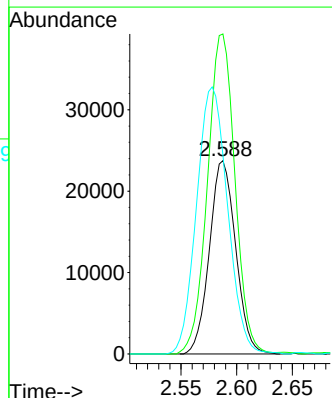
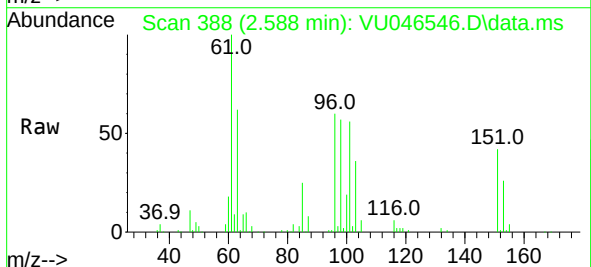
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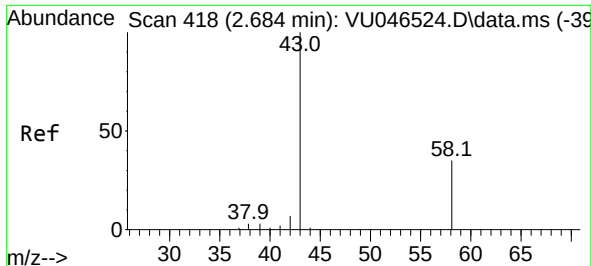
Tgt Ion:101 Resp: 40895
Ion Ratio Lower Upper
101 100
85 44.8 34.6 51.8
151 74.5 56.1 84.1



#12
1,1-Dichloroethene
Concen: 4.868 ug/L
RT: 2.588 min Scan# 388
Delta R.T. 0.013 min
Lab File: VU046546.D
Acq: 22 Dec 2021 00:33

Tgt Ion: 96 Resp: 38941
Ion Ratio Lower Upper
96 100
61 165.6 124.7 231.5
63 102.9 105.2 195.4#





#13

Acetone

Concen: 43.178 ug/L

RT: 2.678 min Scan# 41

Delta R.T. -0.007 min

Lab File: VU046546.D

Acq: 22 Dec 2021 00:33

Instrument :

MSVOA_U

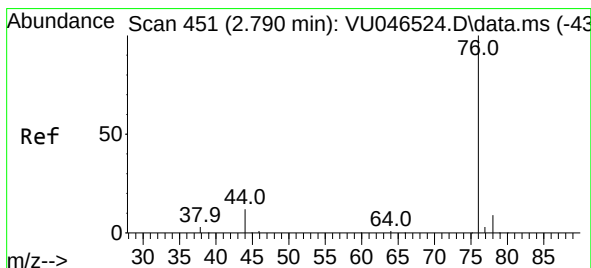
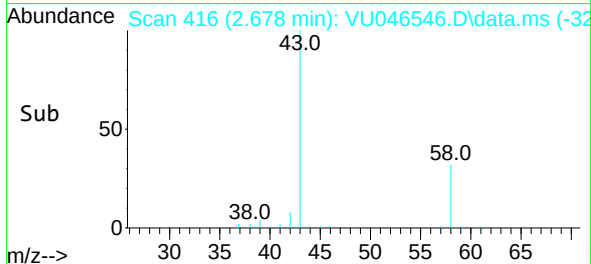
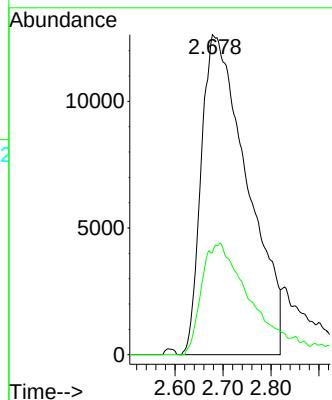
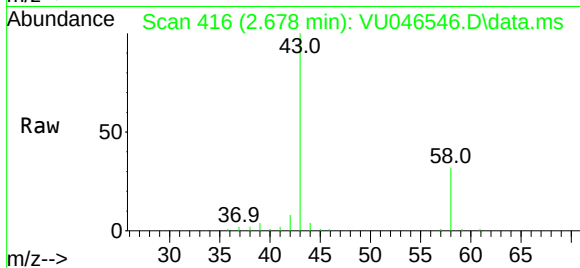
ClientSampleId :

Tgt Ion: 43 Resp: 84104

Ion Ratio Lower Upper

43 100

58 8.0 0.0 71.6



#14

Carbon disulfide

Concen: 4.959 ug/L

RT: 2.800 min Scan# 454

Delta R.T. 0.010 min

Lab File: VU046546.D

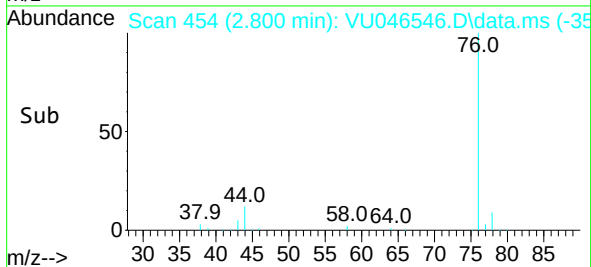
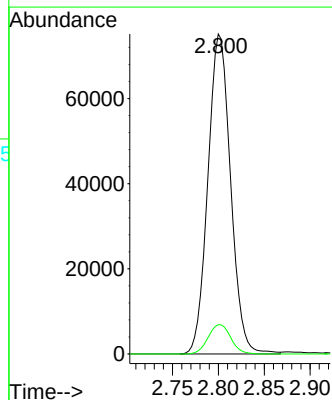
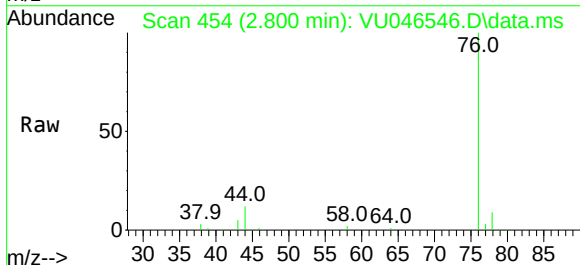
Acq: 22 Dec 2021 00:33

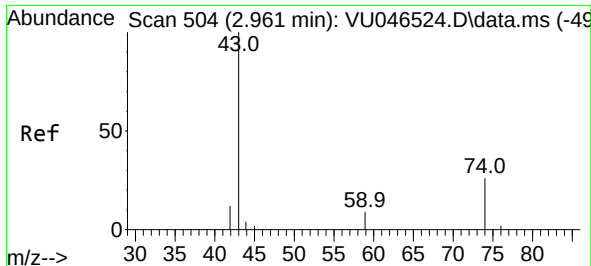
Tgt Ion: 76 Resp: 129573

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3

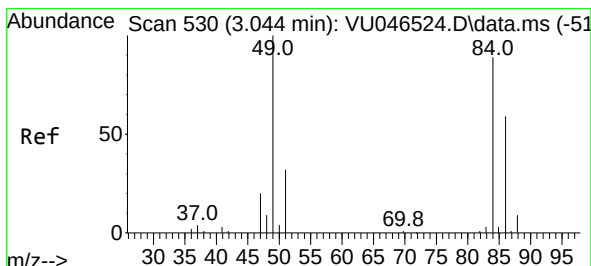
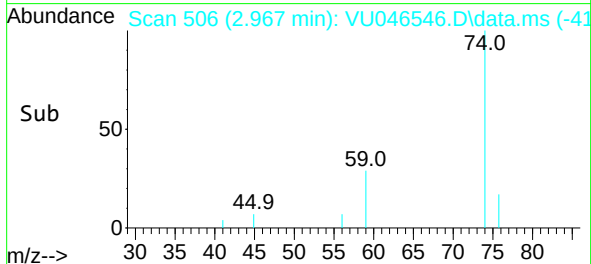
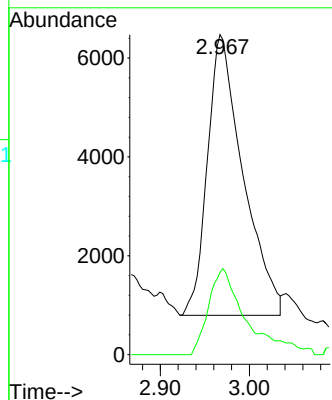
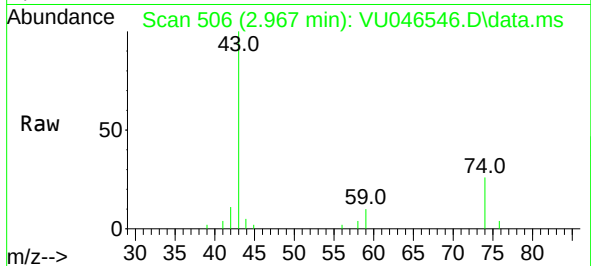




#15
Methyl Acetate
Concen: 4.004 ug/L
RT: 2.967 min Scan# 504
Delta R.T. 0.006 min
Lab File: VU046546.D
Acq: 22 Dec 2021 00:33

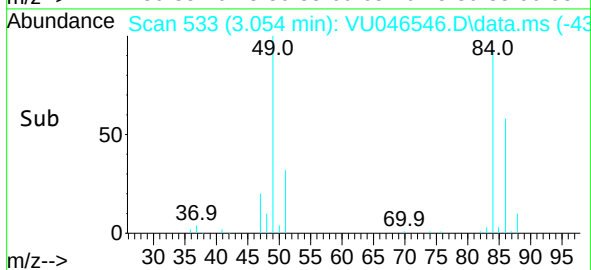
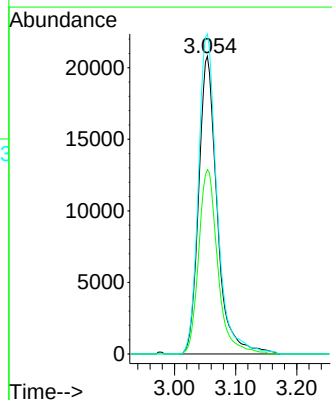
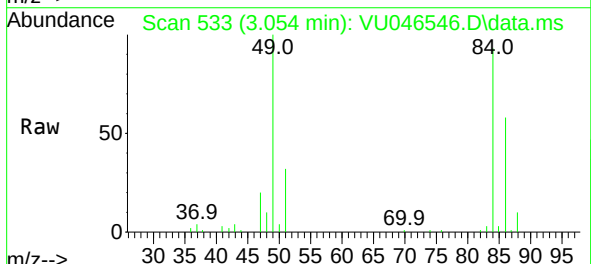
Instrument :
MSVOA_U
ClientSampleId :

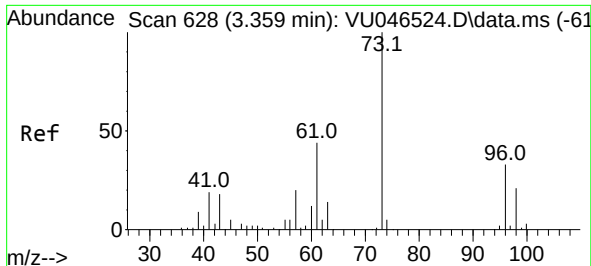
Tgt Ion: 43 Resp: 15752
Ion Ratio Lower Upper
43 100
74 32.1 19.1 28.7#



#16
Methylene chloride
Concen: 4.498 ug/L
RT: 3.054 min Scan# 533
Delta R.T. 0.010 min
Lab File: VU046546.D
Acq: 22 Dec 2021 00:33

Tgt Ion: 84 Resp: 43774
Ion Ratio Lower Upper
84 100
86 61.9 45.8 85.0
49 107.5 84.5 156.9





#17

Methyl tert-butyl Ether

Concen: 4.901 ug/L

RT: 3.369 min Scan# 61

Delta R.T. 0.010 min

Lab File: VU046546.D

Acq: 22 Dec 2021 00:33

Instrument :

MSVOA_U

ClientSampleId :

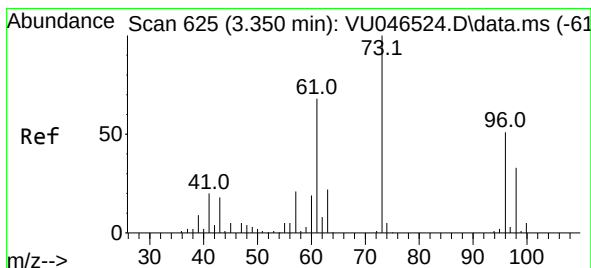
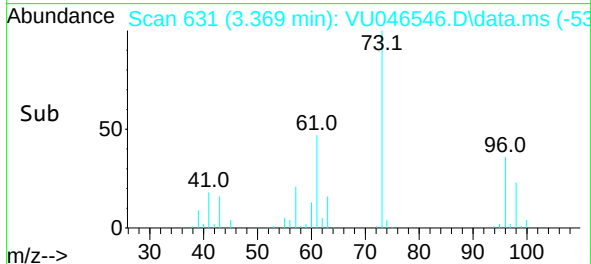
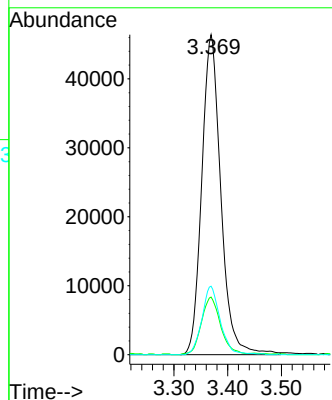
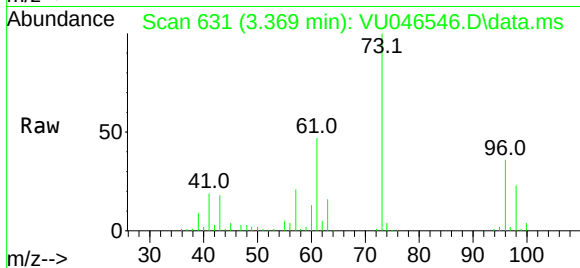
Tgt Ion: 73 Resp: 114353

Ion Ratio Lower Upper

73 100

43 18.2 14.8 22.2

57 20.5 17.4 26.0



#18

trans-1,2-Dichloroethene

Concen: 4.896 ug/L

RT: 3.359 min Scan# 628

Delta R.T. 0.010 min

Lab File: VU046546.D

Acq: 22 Dec 2021 00:33

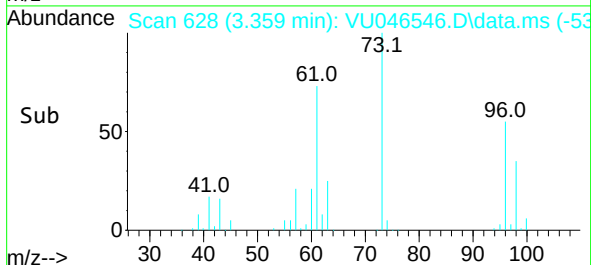
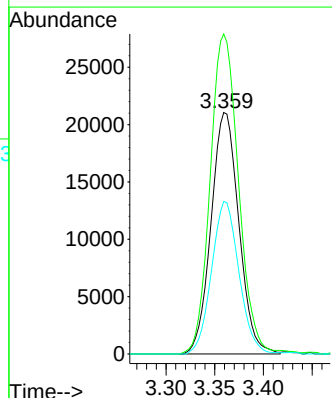
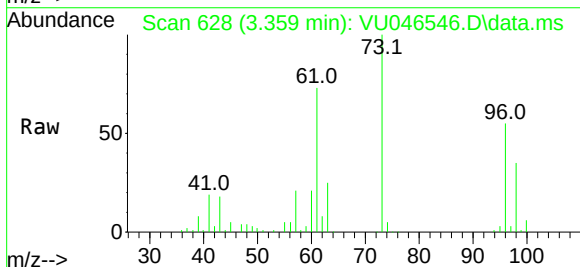
Tgt Ion: 96 Resp: 41779

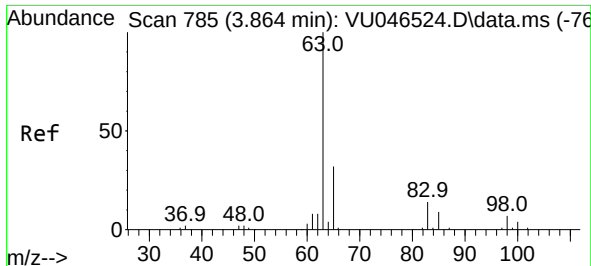
Ion Ratio Lower Upper

96 100

61 132.5 100.8 187.2

98 63.2 45.1 83.7





#19

1,1-Dichloroethane

Concen: 4.620 ug/L

RT: 3.877 min Scan# 71

Delta R.T. 0.013 min

Lab File: VU046546.D

Acq: 22 Dec 2021 00:33

Instrument :

MSVOA_U

ClientSampleId :

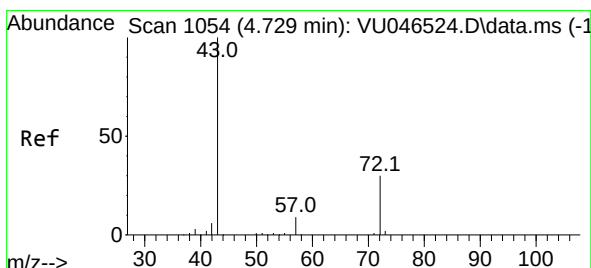
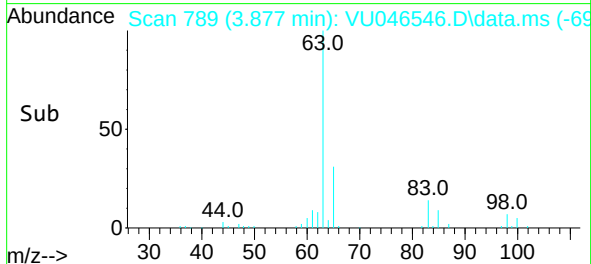
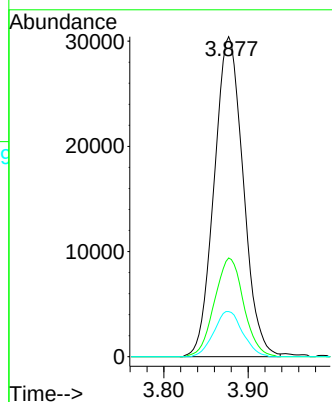
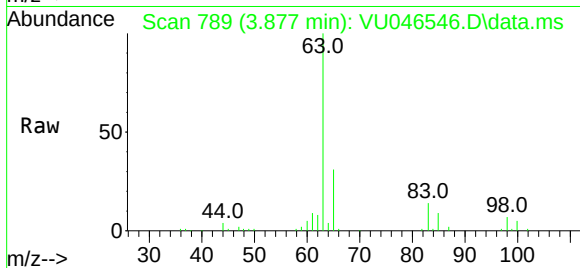
Tgt Ion: 63 Resp: 72622

Ion Ratio Lower Upper

63 100

65 30.8 22.3 41.5

83 14.1 9.6 17.8



#21

2-Butanone

Concen: 46.306 ug/L

RT: 4.735 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VU046546.D

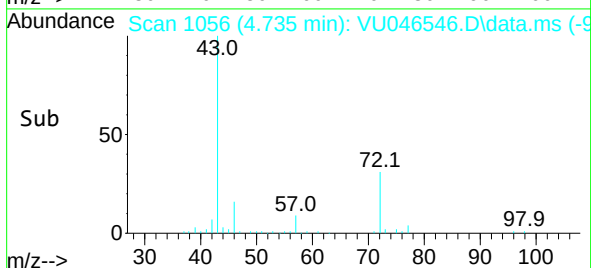
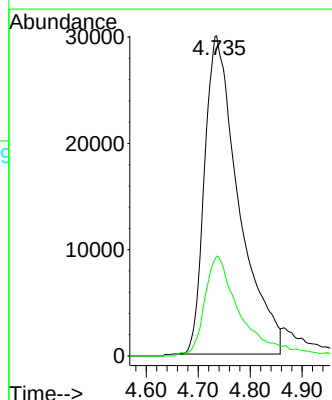
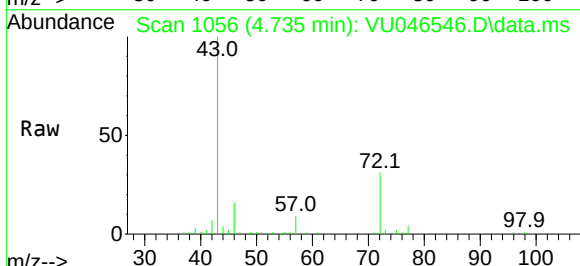
Acq: 22 Dec 2021 00:33

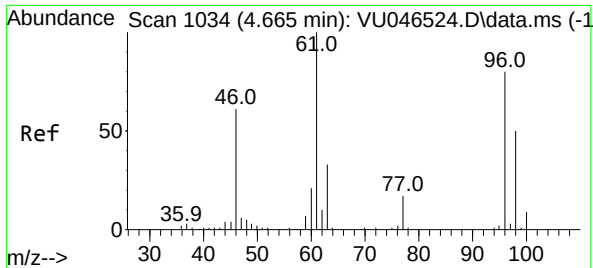
Tgt Ion: 43 Resp: 136844

Ion Ratio Lower Upper

43 100

72 29.5 14.1 42.3





#22

cis-1,2-Dichloroethene

Concen: 5.424 ug/L

RT: 4.674 min Scan# 1037

Delta R.T. 0.010 min

Lab File: VU046546.D

Acq: 22 Dec 2021 00:33

Instrument :

MSVOA_U

ClientSampleId :

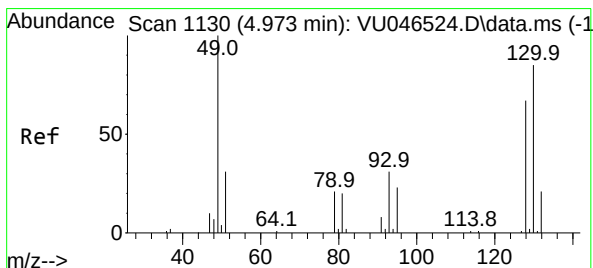
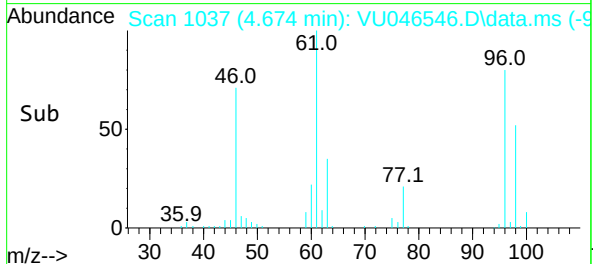
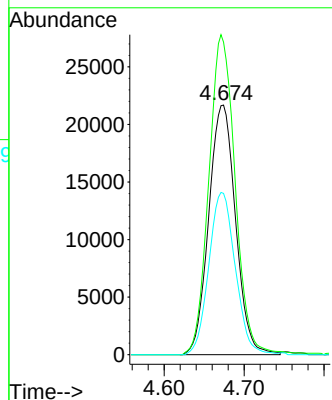
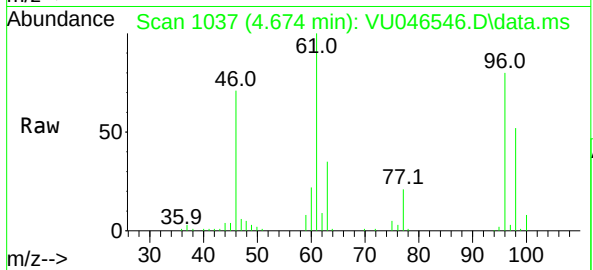
Tgt Ion: 96 Resp: 50591

Ion Ratio Lower Upper

96 100

61 125.2 88.5 164.3

98 64.6 44.4 82.5



#23

Bromochloromethane

Concen: 4.663 ug/L

RT: 4.980 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VU046546.D

Acq: 22 Dec 2021 00:33

Tgt Ion: 128 Resp: 21645

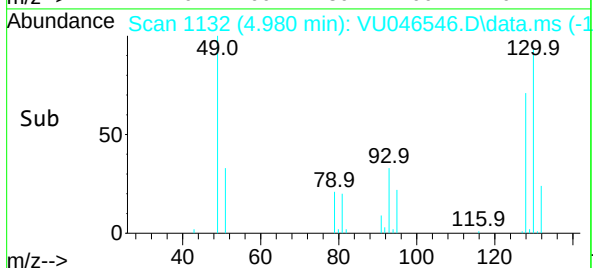
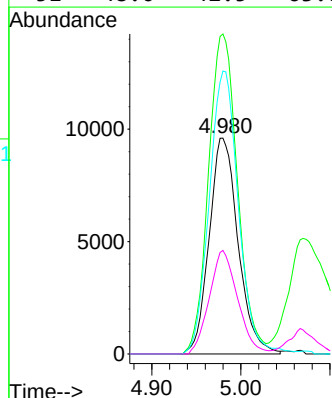
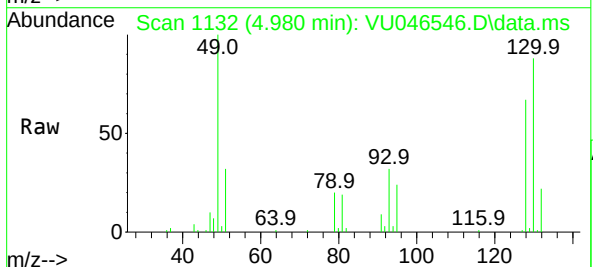
Ion Ratio Lower Upper

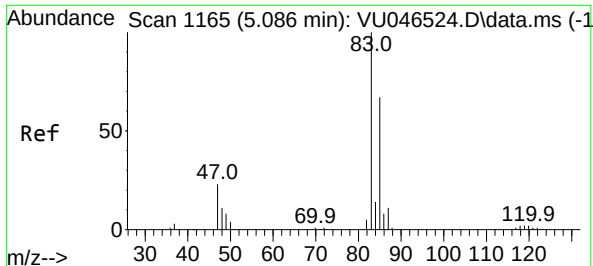
128 100

49 148.3 117.0 217.2

130 131.1 88.2 163.8

51 48.0 42.5 63.7





#25

Chloroform

Concen: 4.592 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. 0.006 min

Lab File: VU046546.D

Acq: 22 Dec 2021 00:33

Instrument :

MSVOA_U

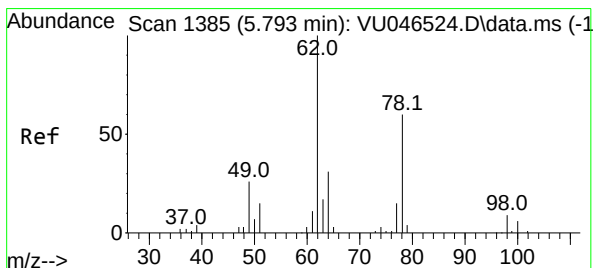
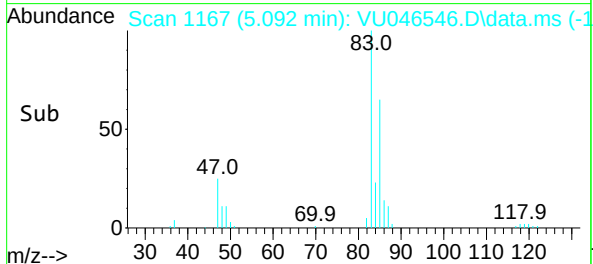
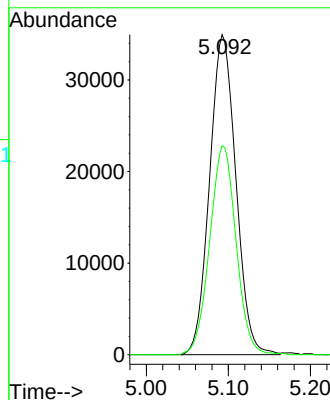
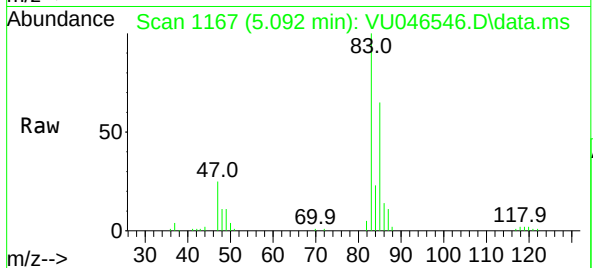
ClientSampleId :

Tgt Ion: 83 Resp: 77974

Ion Ratio Lower Upper

83 100

85 65.3 46.9 87.1



#27

1,2-Dichloroethane

Concen: 4.592 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. 0.003 min

Lab File: VU046546.D

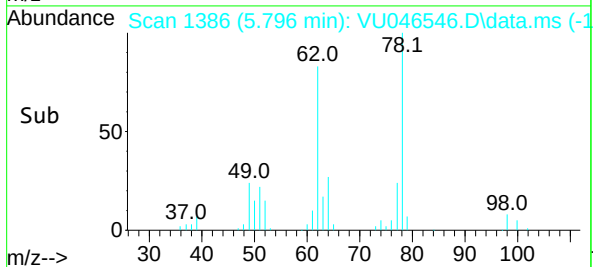
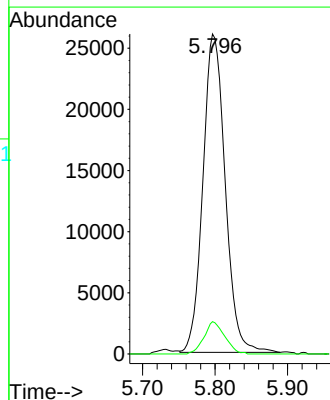
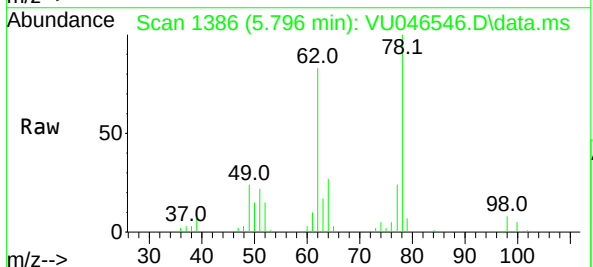
Acq: 22 Dec 2021 00:33

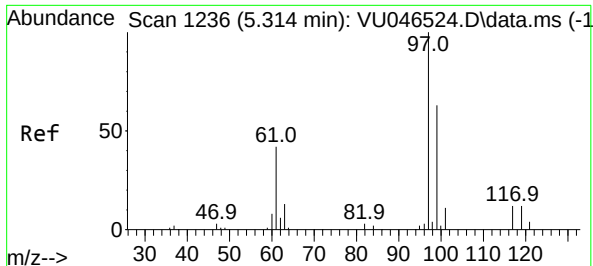
Tgt Ion: 62 Resp: 55674

Ion Ratio Lower Upper

62 100

98 10.1 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 4.771 ug/L

RT: 5.321 min Scan# 11

Delta R.T. 0.006 min

Lab File: VU046546.D

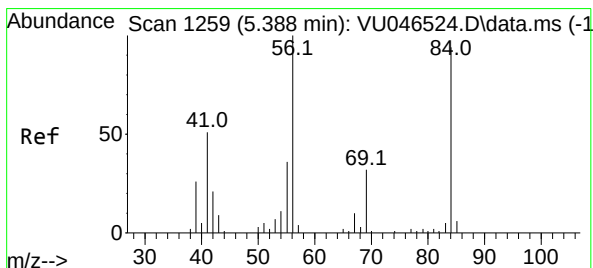
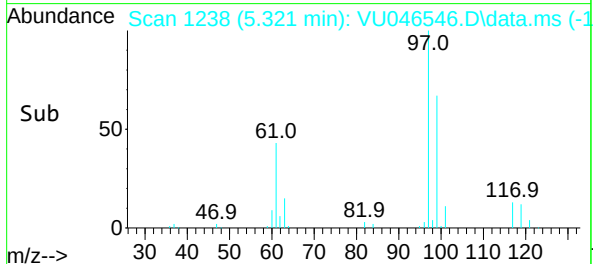
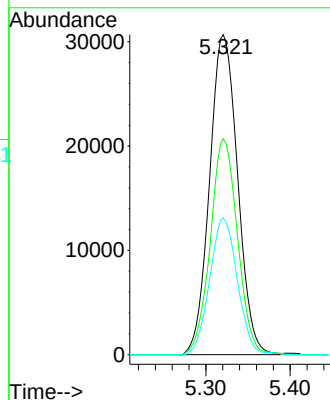
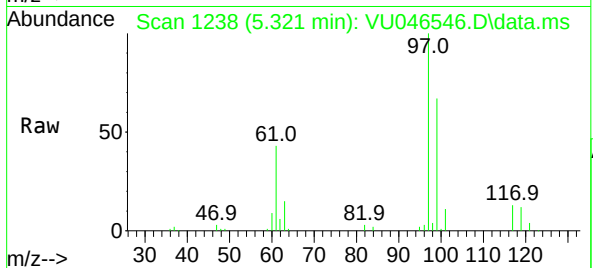
Acq: 22 Dec 2021 00:33

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97	Resp: 70969
Ion Ratio	Lower Upper
97 100	
99 65.4	51.3 76.9
61 42.2	36.1 54.1



#30

Cyclohexane

Concen: 6.500 ug/L

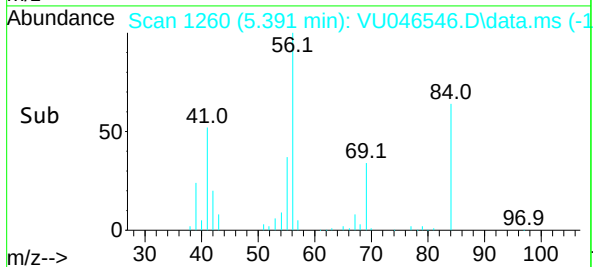
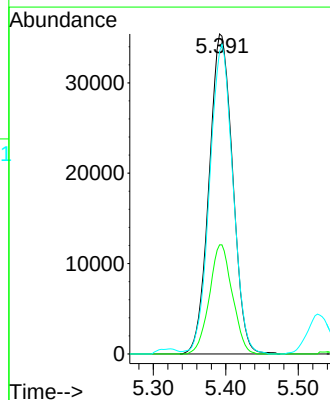
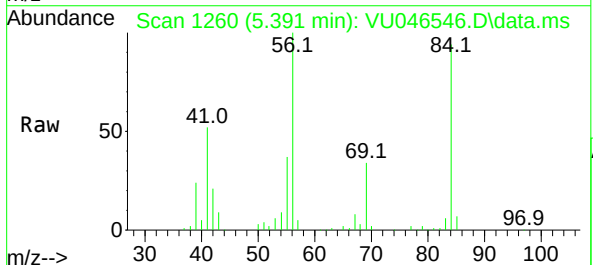
RT: 5.391 min Scan# 1260

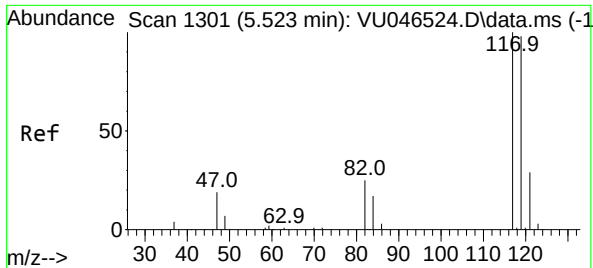
Delta R.T. 0.003 min

Lab File: VU046546.D

Acq: 22 Dec 2021 00:33

Tgt Ion: 56	Resp: 79983
Ion Ratio	Lower Upper
56 100	
69 33.1	24.7 37.1
84 95.6	71.8 107.6

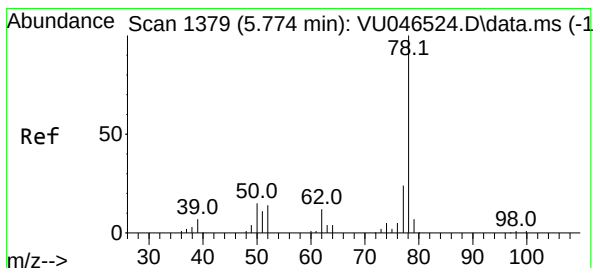
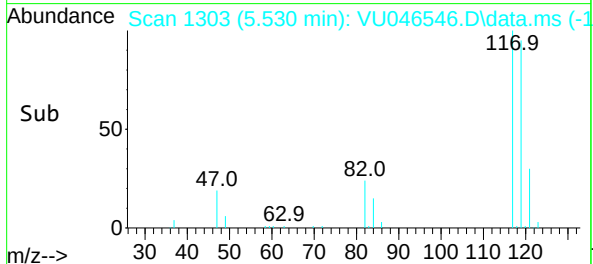
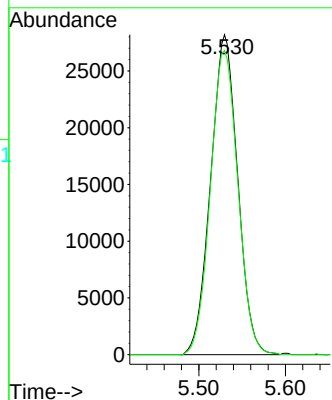
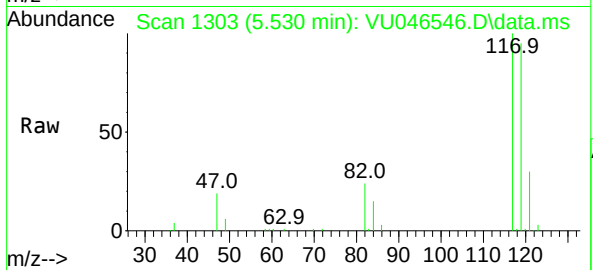




#31
Carbon tetrachloride
Concen: 4.902 ug/L
RT: 5.530 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU046546.D
Acq: 22 Dec 2021 00:33

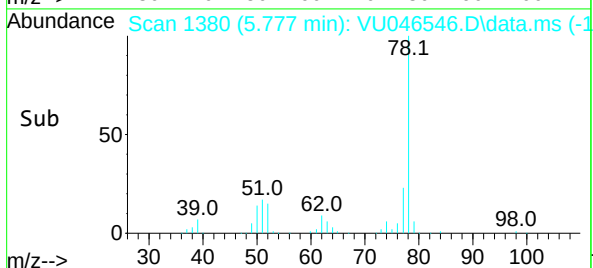
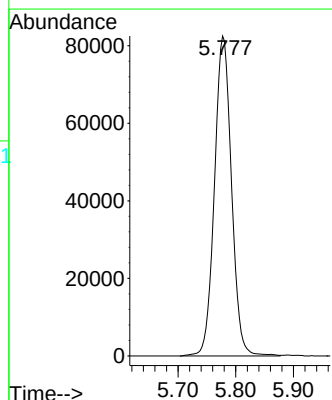
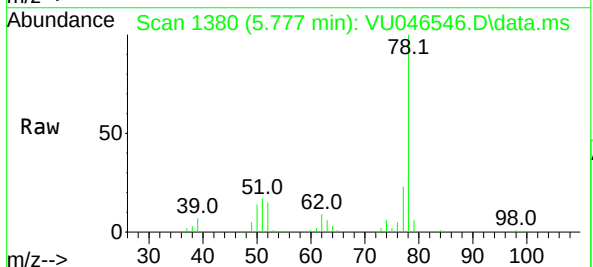
Instrument :
MSVOA_U
ClientSampleId :

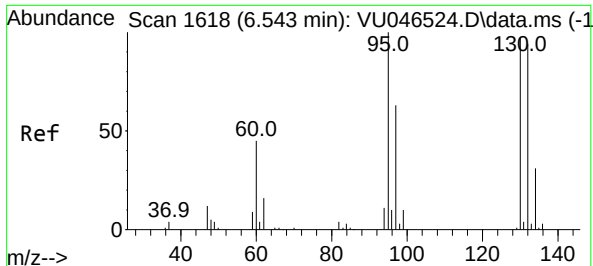
Tgt Ion:117 Resp: 61181
Ion Ratio Lower Upper
117 100
119 96.7 77.5 116.3



#33
Benzene
Concen: 4.730 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. 0.003 min
Lab File: VU046546.D
Acq: 22 Dec 2021 00:33

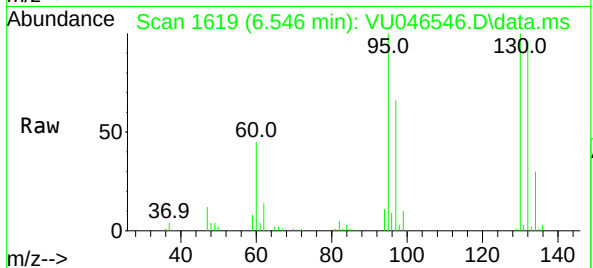
Tgt Ion: 78 Resp: 169069





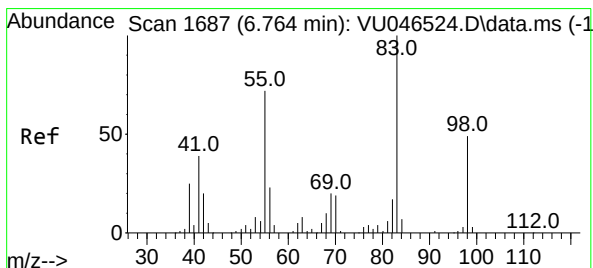
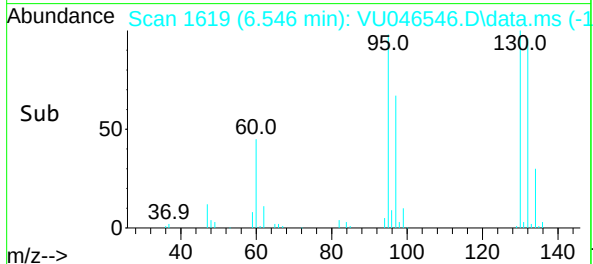
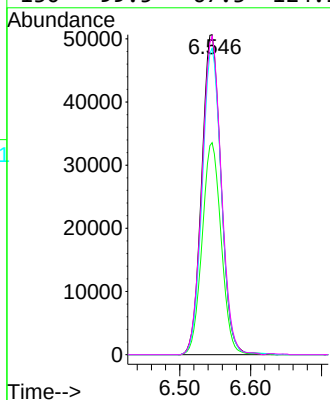
#34
Trichloroethene
Concen: 10.160 ug/L
RT: 6.546 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU046546.D
Acq: 22 Dec 2021 00:33

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 95 Resp: 95728

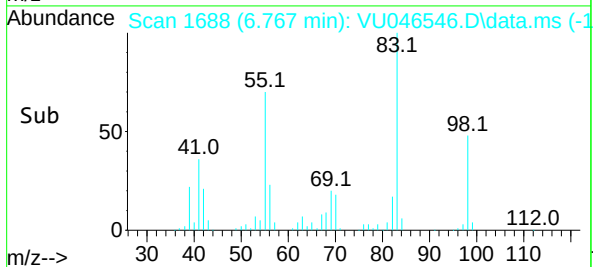
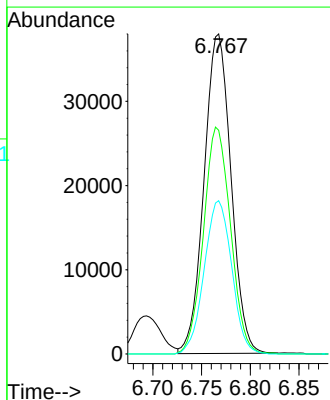
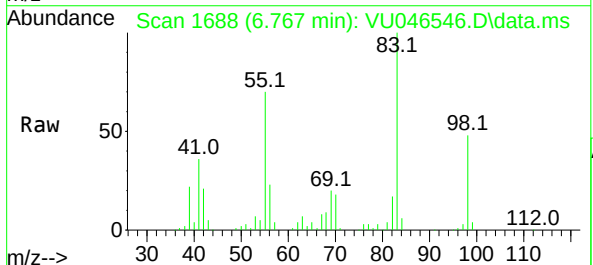
Ion	Ratio	Lower	Upper
95	100		
97	66.2	46.5	86.5
132	95.7	65.1	120.9
130	99.5	67.3	124.9

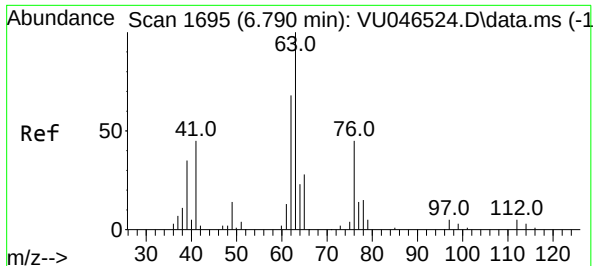


#35
Methylcyclohexane
Concen: 5.491 ug/L
RT: 6.767 min Scan# 1688
Delta R.T. 0.003 min
Lab File: VU046546.D
Acq: 22 Dec 2021 00:33

Tgt Ion: 83 Resp: 72950

Ion	Ratio	Lower	Upper
83	100		
55	71.5	61.9	92.9
98	49.0	39.0	58.6





#37

1,2-Dichloropropane

Concen: 4.654 ug/L

RT: 6.793 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU046546.D

Acq: 22 Dec 2021 00:33

Instrument :

MSVOA_U

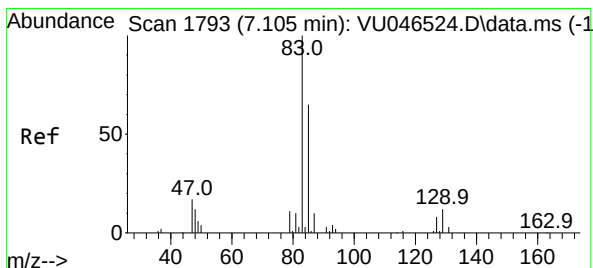
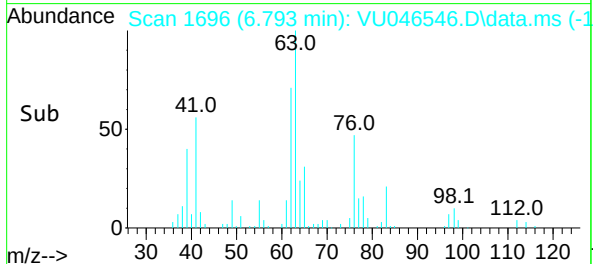
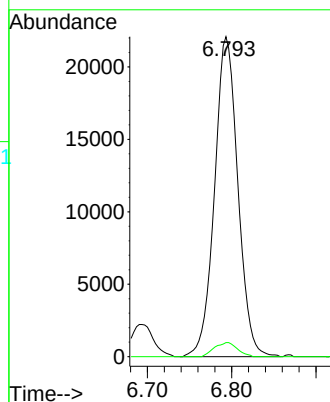
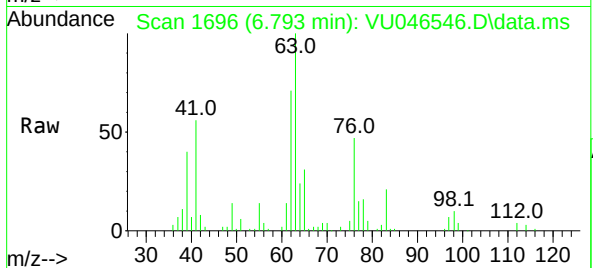
ClientSampleId :

Tgt Ion: 63 Resp: 42432

Ion Ratio Lower Upper

63 100

112 4.4 3.2 4.8



#38

Bromodichloromethane

Concen: 4.596 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. 0.003 min

Lab File: VU046546.D

Acq: 22 Dec 2021 00:33

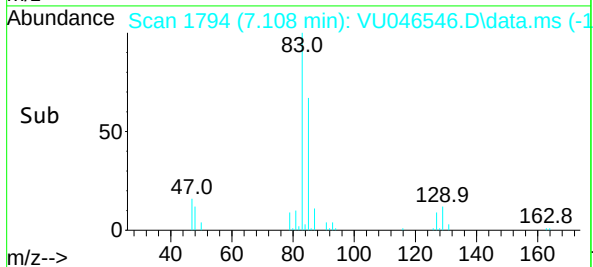
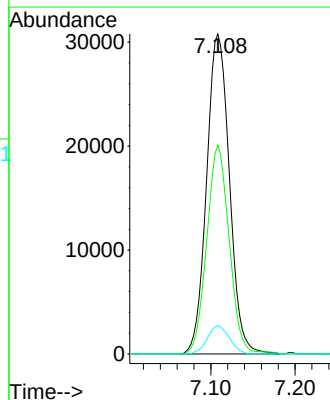
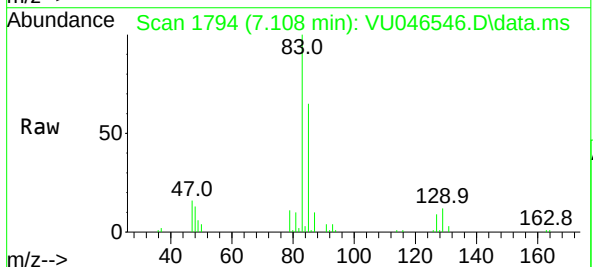
Tgt Ion: 83 Resp: 57994

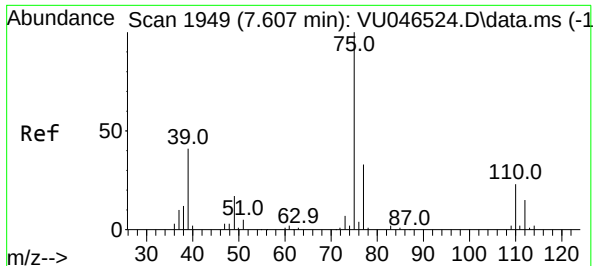
Ion Ratio Lower Upper

83 100

85 65.2 44.0 81.8

127 8.8 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 4.701 ug/L

RT: 7.610 min Scan# 1949

Delta R.T. 0.003 min

Lab File: VU046546.D

Acq: 22 Dec 2021 00:33

Instrument :

MSVOA_U

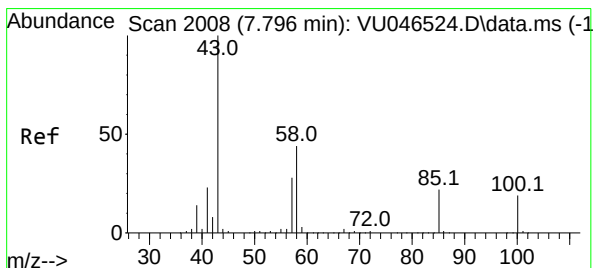
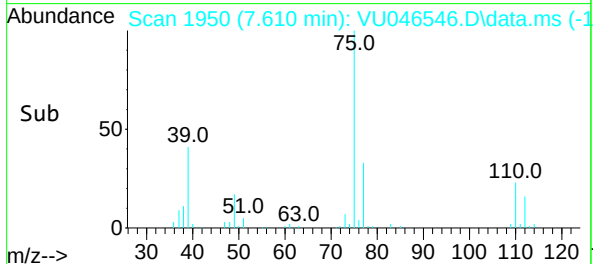
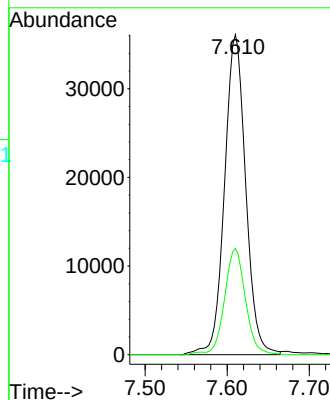
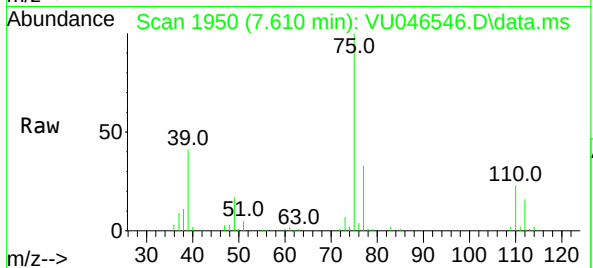
ClientSampleId :

Tgt Ion: 75 Resp: 64881

Ion Ratio Lower Upper

75 100

77 33.2 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 48.472 ug/L

RT: 7.796 min Scan# 2008

Delta R.T. -0.000 min

Lab File: VU046546.D

Acq: 22 Dec 2021 00:33

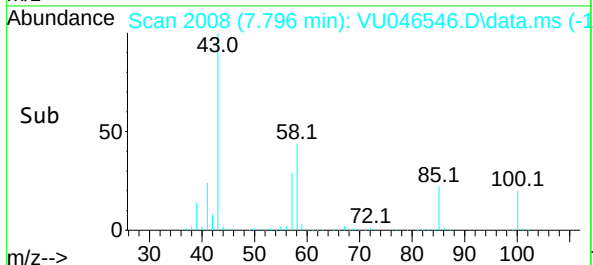
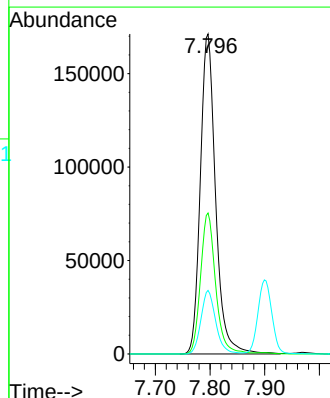
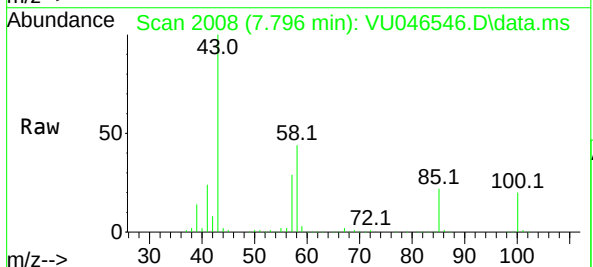
Tgt Ion: 43 Resp: 331720

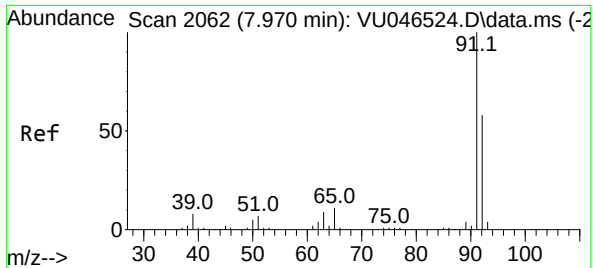
Ion Ratio Lower Upper

43 100

58 43.5 33.1 49.7

100 19.3 13.2 19.8





#42

Toluene

Concen: 5.077 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU046546.D

Acq: 22 Dec 2021 00:33

Instrument :

MSVOA_U

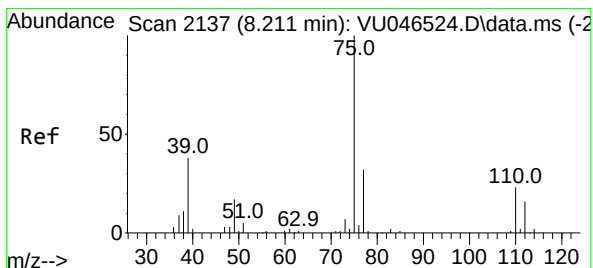
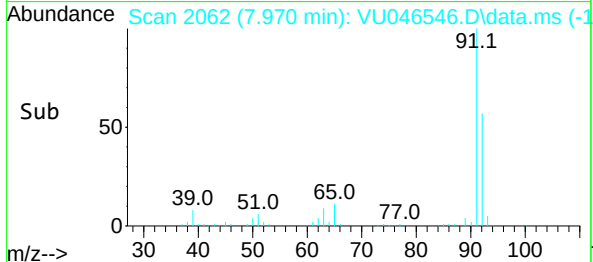
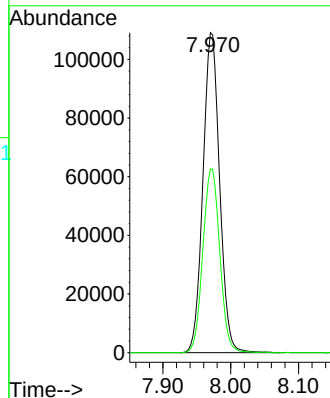
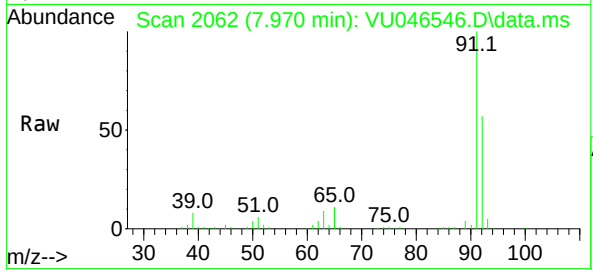
ClientSampleId :

Tgt Ion: 91 Resp: 186254

Ion Ratio Lower Upper

91 100

92 57.4 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 4.712 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VU046546.D

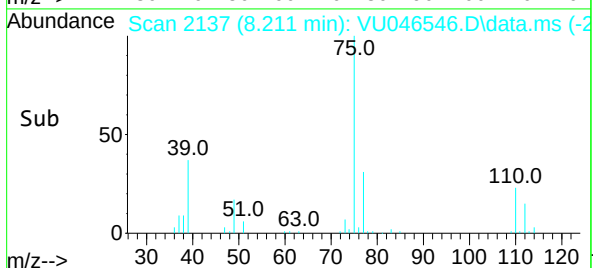
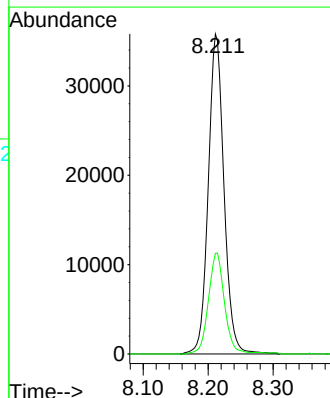
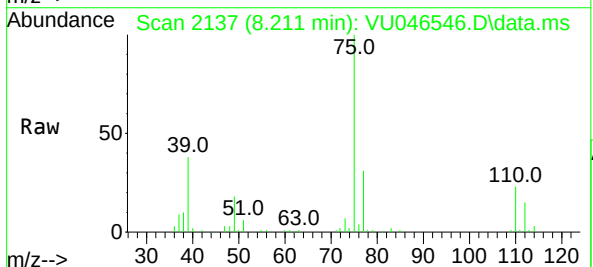
Acq: 22 Dec 2021 00:33

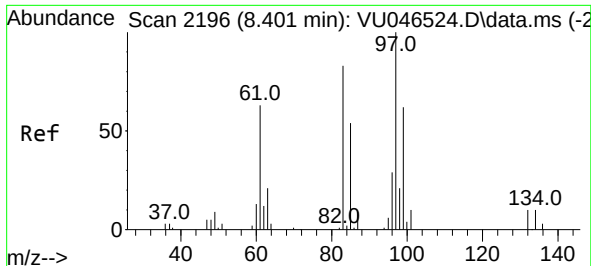
Tgt Ion: 75 Resp: 60257

Ion Ratio Lower Upper

75 100

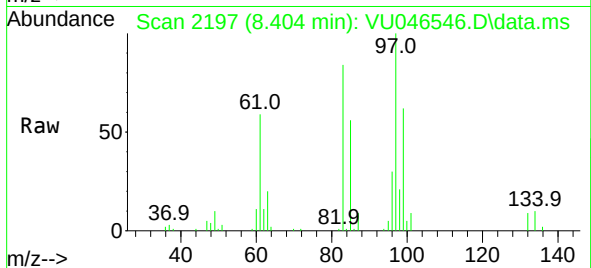
77 31.5 22.7 42.3



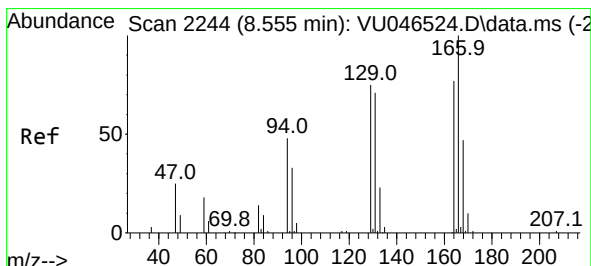
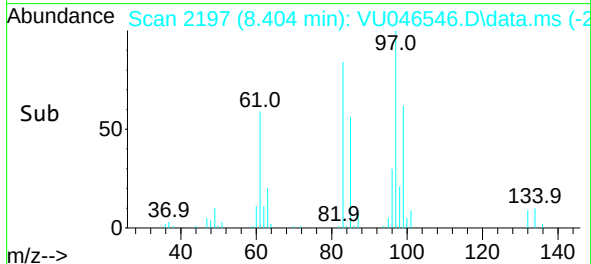
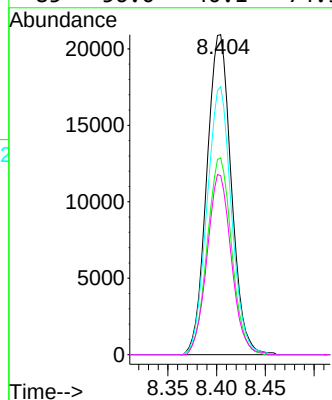


#45
1,1,2-Trichloroethane
Concen: 4.668 ug/L
RT: 8.404 min Scan# 2196
Delta R.T. 0.003 min
Lab File: VU046546.D
Acq: 22 Dec 2021 00:33

Instrument :
MSVOA_U
ClientSampleId :

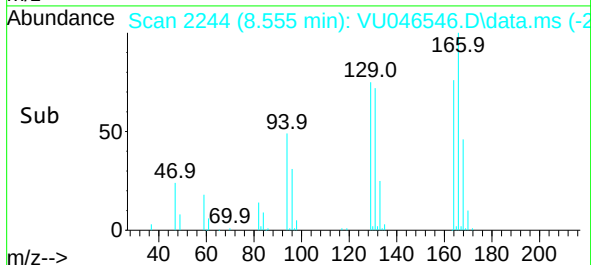
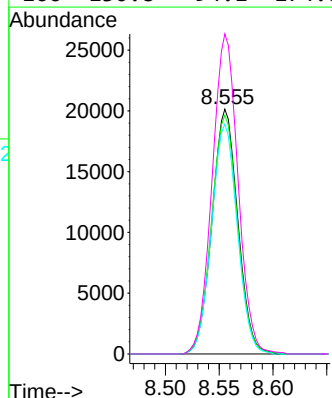
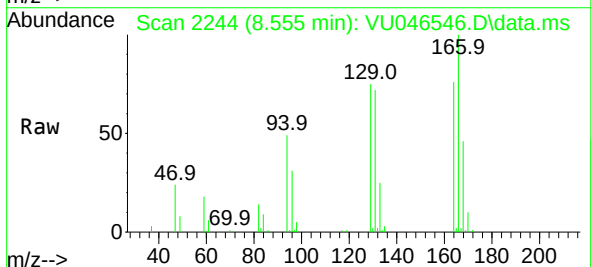


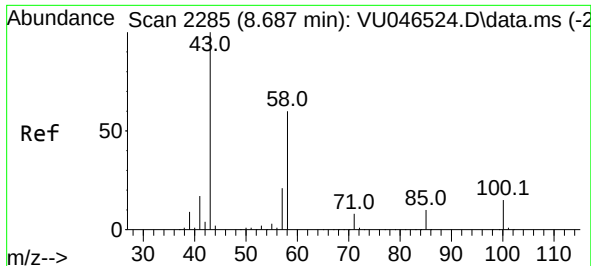
Tgt Ion:	97	Resp:	36704
Ion	Ratio	Lower	Upper
97	100		
99	61.5	42.3	78.5
83	83.8	62.0	115.2
85	56.0	40.1	74.5



#47
Tetrachloroethene
Concen: 5.037 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU046546.D
Acq: 22 Dec 2021 00:33

Tgt Ion:	164	Resp:	33580
Ion	Ratio	Lower	Upper
164	100		
129	97.5	71.8	133.4
131	93.9	68.5	127.3
166	130.8	94.1	174.8



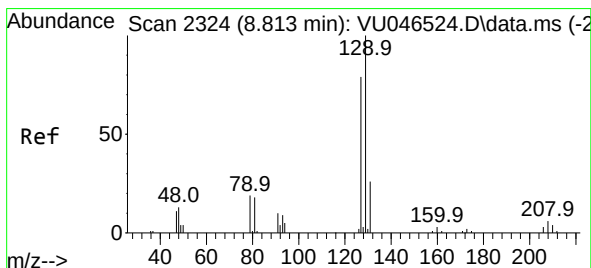
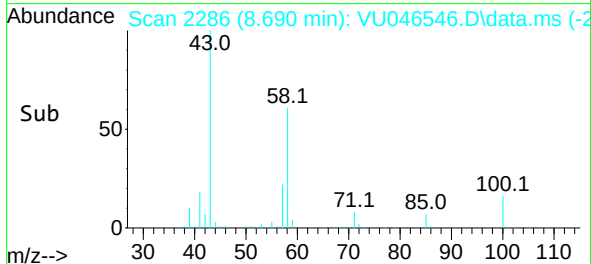
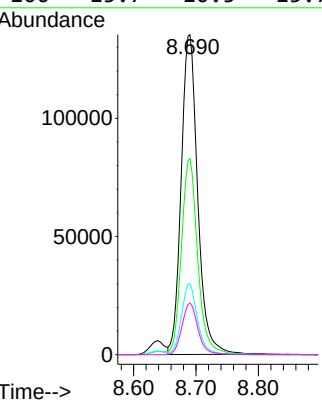
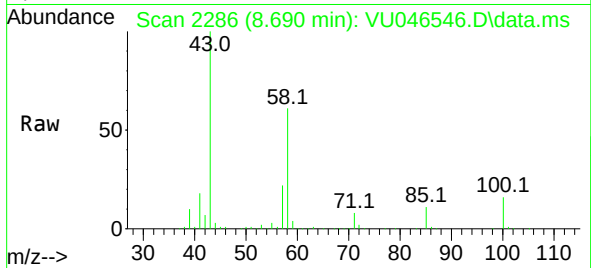


#48
2-Hexanone
Concen: 48.618 ug/L
RT: 8.690 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU046546.D
Acq: 22 Dec 2021 00:33

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 248483

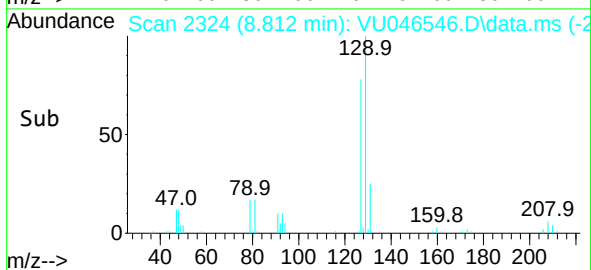
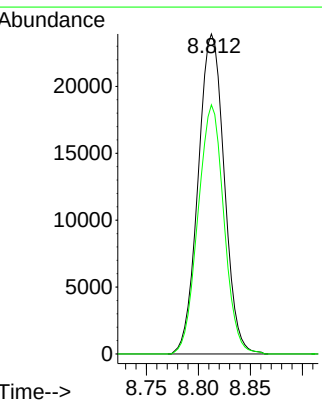
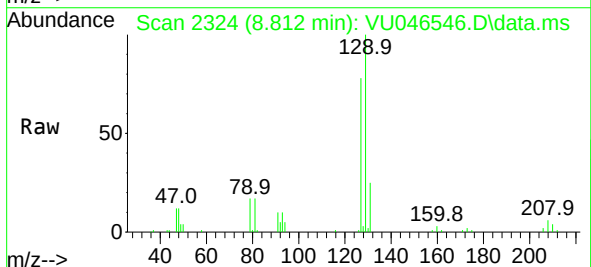
Ion	Ratio	Lower	Upper
43	100		
58	60.8	46.7	70.1
57	21.4	16.3	24.5
100	15.7	10.5	15.7

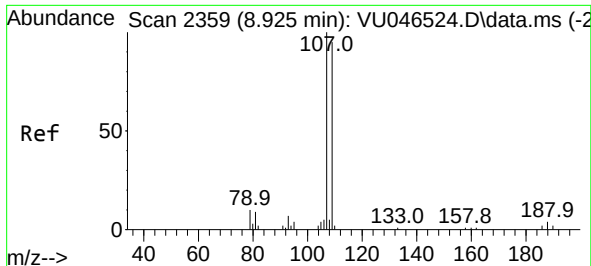


#49
Dibromochloromethane
Concen: 4.612 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. -0.000 min
Lab File: VU046546.D
Acq: 22 Dec 2021 00:33

Tgt Ion: 129 Resp: 41824

Ion	Ratio	Lower	Upper
129	100		
127	77.9	55.4	102.8





#50

1,2-Dibromoethane

Concen: 4.780 ug/L

RT: 8.925 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU046546.D

Acq: 22 Dec 2021 00:33

Instrument :

MSVOA_U

ClientSampleId :

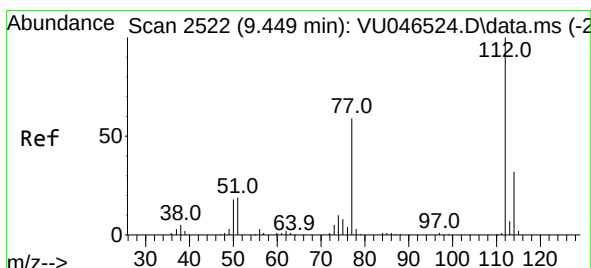
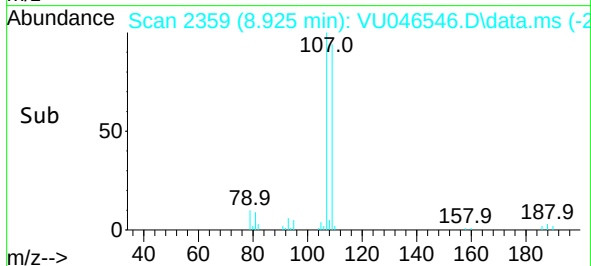
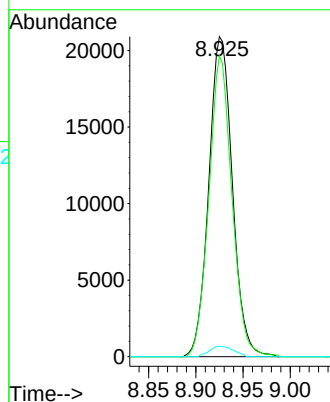
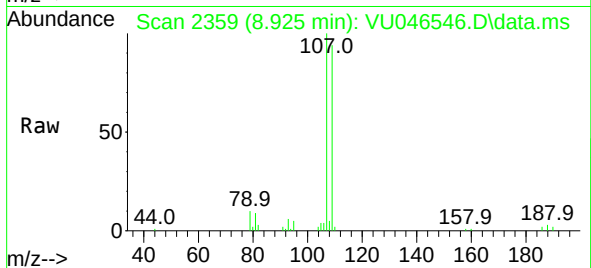
Tgt Ion:107 Resp: 36279

Ion Ratio Lower Upper

107 100

109 94.0 64.0 119.0

188 3.2 2.4 3.6



#51

Chlorobenzene

Concen: 4.883 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. -0.000 min

Lab File: VU046546.D

Acq: 22 Dec 2021 00:33

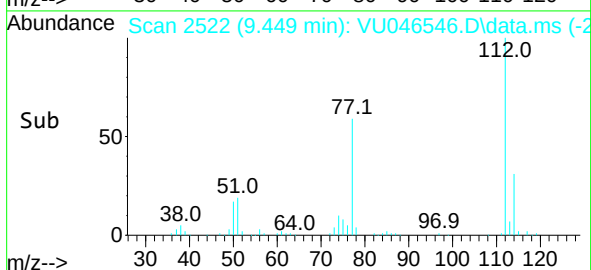
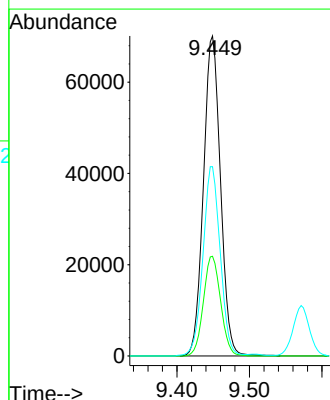
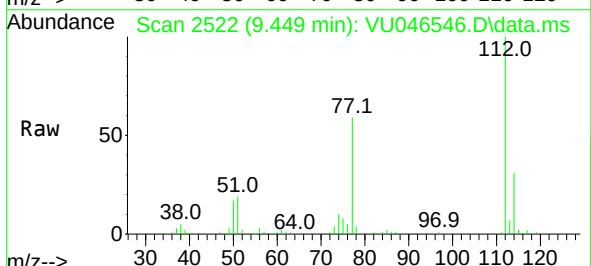
Tgt Ion:112 Resp: 114495

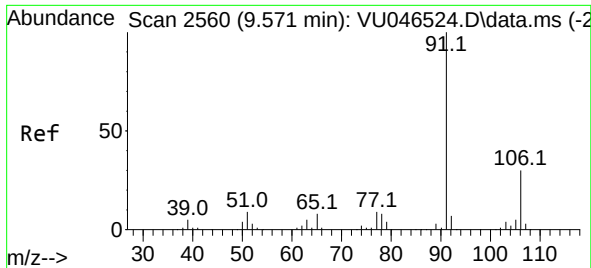
Ion Ratio Lower Upper

112 100

114 31.2 22.1 41.1

77 59.2 48.3 72.5

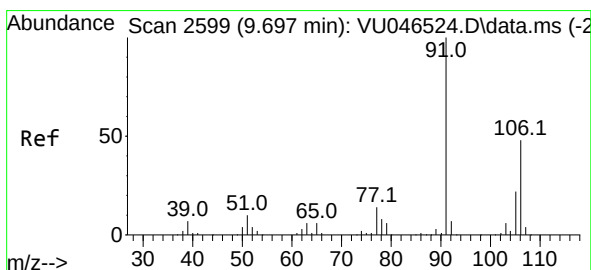
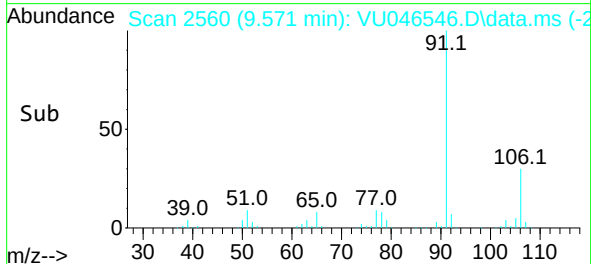
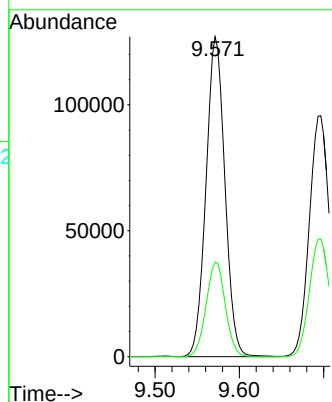
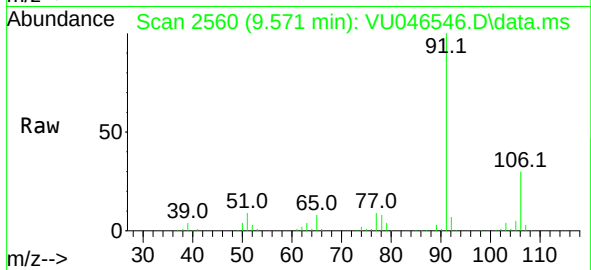




#52
Ethylbenzene
Concen: 5.220 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU046546.D
Acq: 22 Dec 2021 00:33

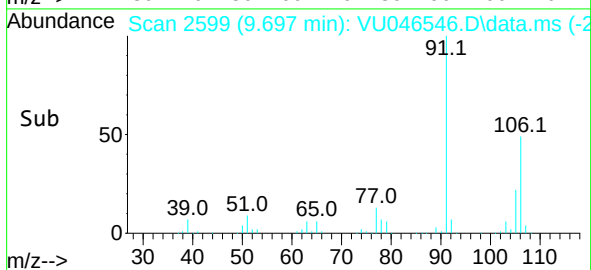
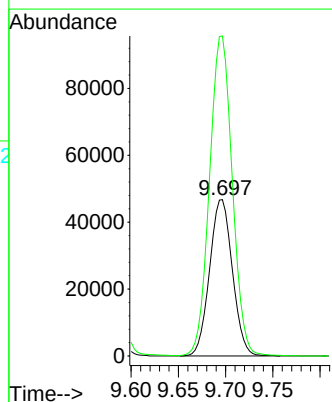
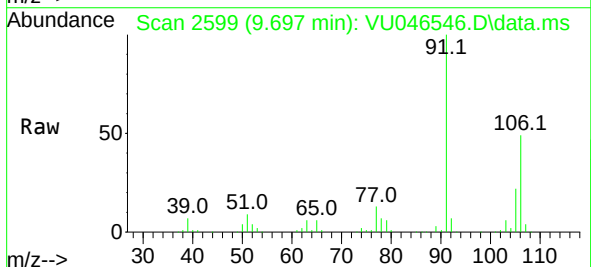
Instrument :
MSVOA_U
ClientSampleId :

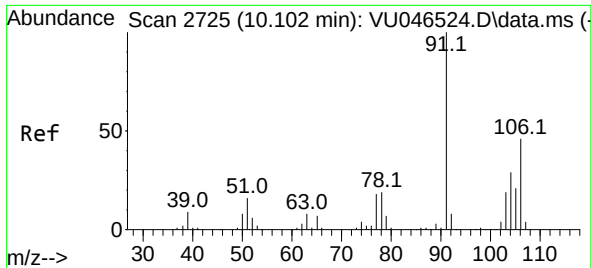
Tgt Ion: 91 Resp: 198207
Ion Ratio Lower Upper
91 100
106 29.5 21.5 39.9



#53
m,p-Xylene
Concen: 5.394 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. -0.000 min
Lab File: VU046546.D
Acq: 22 Dec 2021 00:33

Tgt Ion: 106 Resp: 78469
Ion Ratio Lower Upper
106 100
91 204.7 139.4 259.0

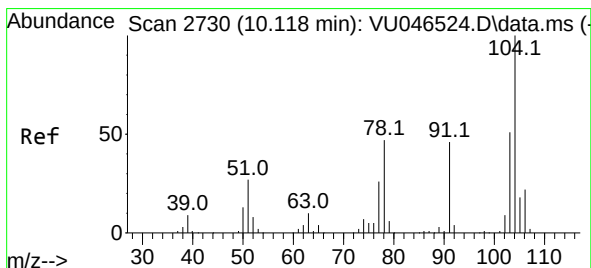
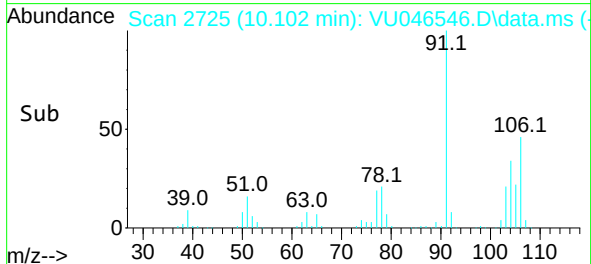
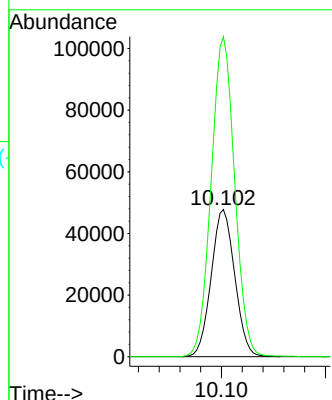
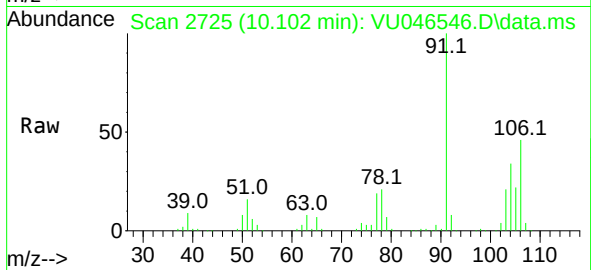




#54
o-Xylene
Concen: 5.369 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.000 min
Lab File: VU046546.D
Acq: 22 Dec 2021 00:33

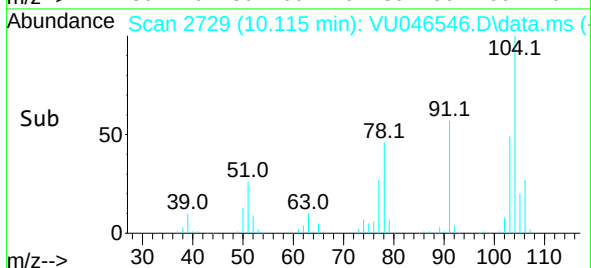
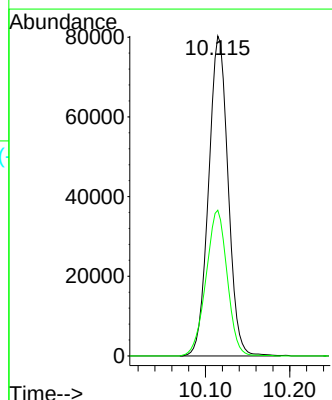
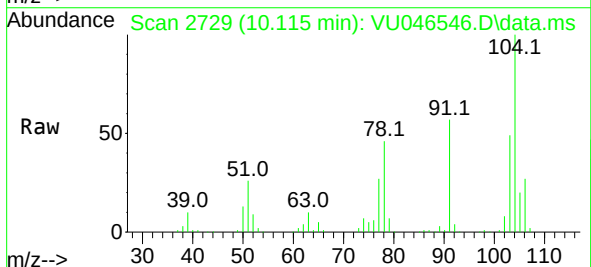
Instrument :
MSVOA_U
ClientSampleId :

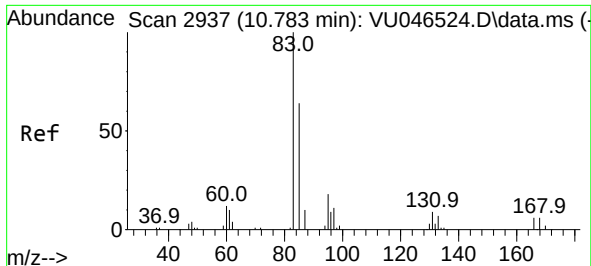
Tgt Ion:106 Resp: 75057
Ion Ratio Lower Upper
106 100
91 217.5 147.5 273.9



#55
Styrene
Concen: 5.320 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VU046546.D
Acq: 22 Dec 2021 00:33

Tgt Ion:104 Resp: 128990
Ion Ratio Lower Upper
104 100
78 45.5 33.0 61.4





#57

1,1,2-Tetrachloroethane

Concen: 4.885 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VU046546.D

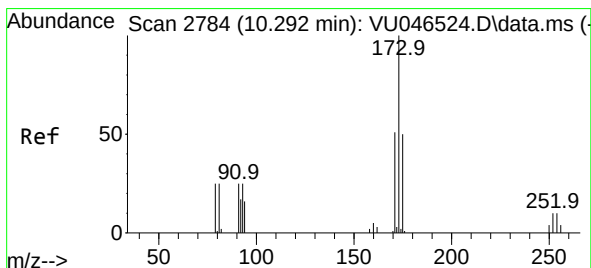
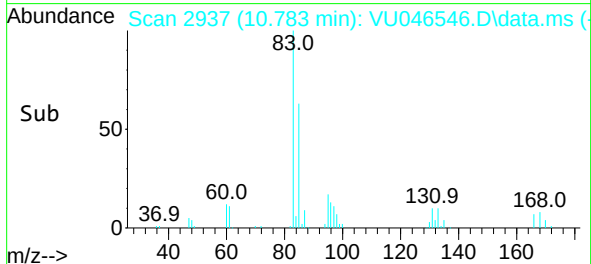
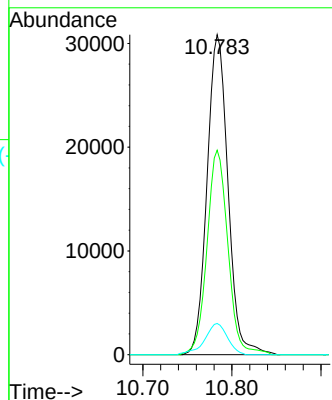
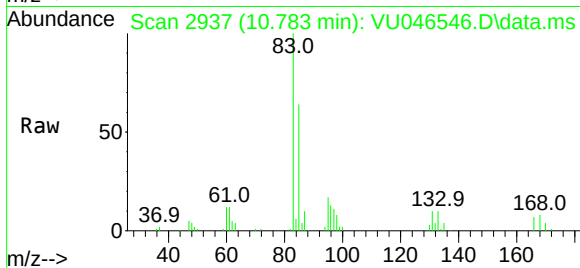
Acq: 22 Dec 2021 00:33

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 83	Resp: 50187
Ion Ratio	Lower Upper
83 100	
85 63.9	47.9 89.1
131 9.7	8.1 12.1



#59

Bromoform

Concen: 4.813 ug/L

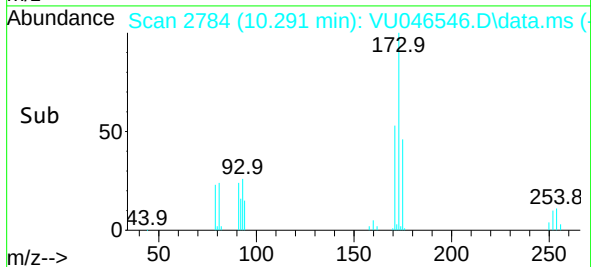
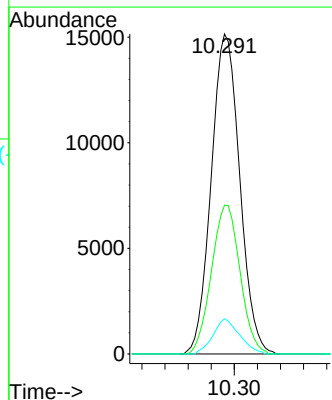
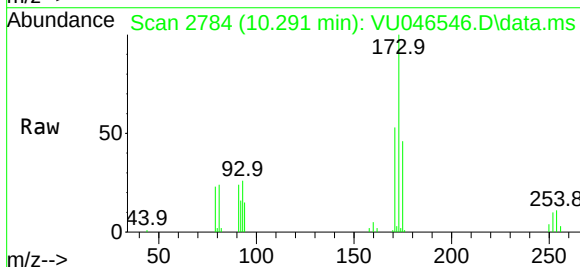
RT: 10.291 min Scan# 2784

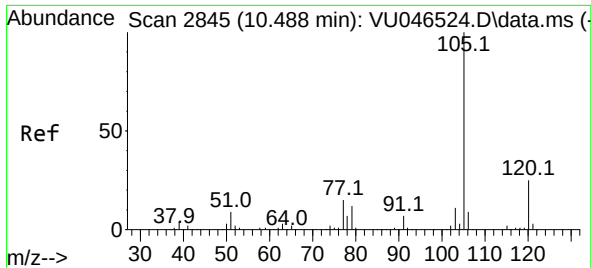
Delta R.T. -0.000 min

Lab File: VU046546.D

Acq: 22 Dec 2021 00:33

Tgt Ion: 173	Resp: 25953
Ion Ratio	Lower Upper
173 100	
175 46.5	37.8 56.6
254 10.2	7.3 10.9

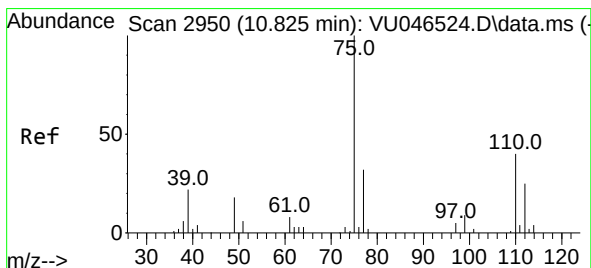
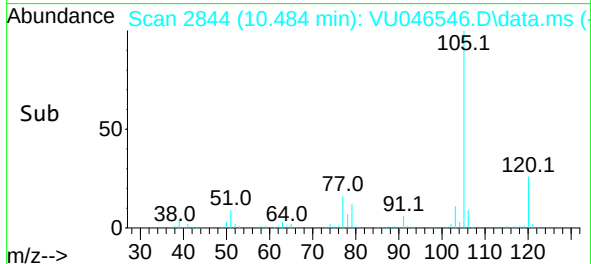
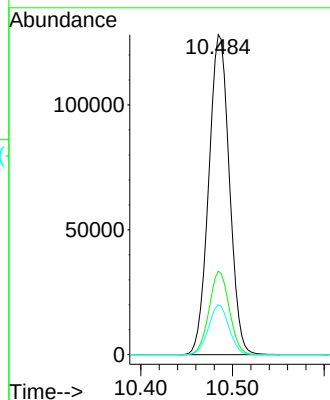
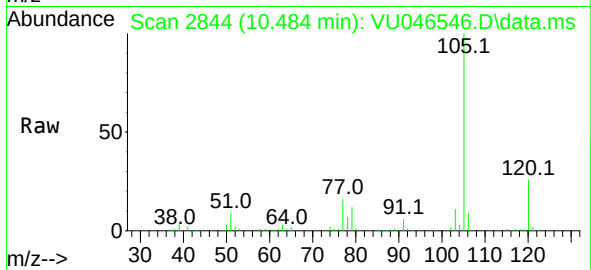




#60
Isopropylbenzene
Concen: 5.565 ug/L
RT: 10.484 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU046546.D
Acq: 22 Dec 2021 00:33

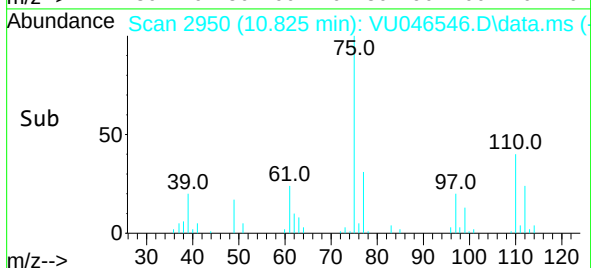
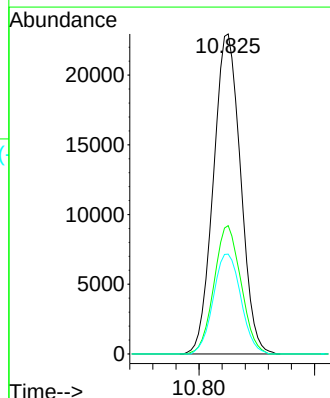
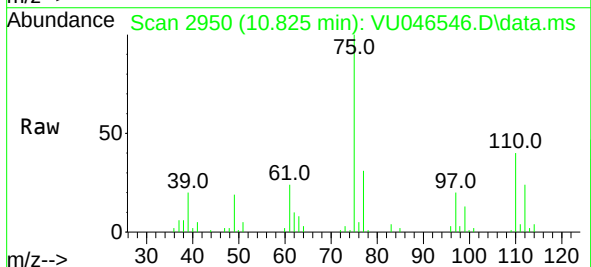
Instrument :
MSVOA_U
ClientSampleId :

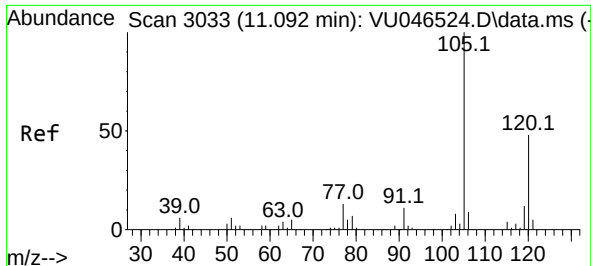
Tgt Ion:105 Resp: 200302
Ion Ratio Lower Upper
105 100
120 25.6 20.7 31.1
77 15.4 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 4.832 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. -0.000 min
Lab File: VU046546.D
Acq: 22 Dec 2021 00:33

Tgt Ion: 75 Resp: 37457
Ion Ratio Lower Upper
75 100
110 39.7 29.9 44.9
77 31.7 25.5 38.3





#62

1,3,5-Trimethylbenzene

Concen: 5.550 ug/L

RT: 11.089 min Scan# 3033

Delta R.T. -0.003 min

Lab File: VU046546.D

Acq: 22 Dec 2021 00:33

Instrument :

MSVOA_U

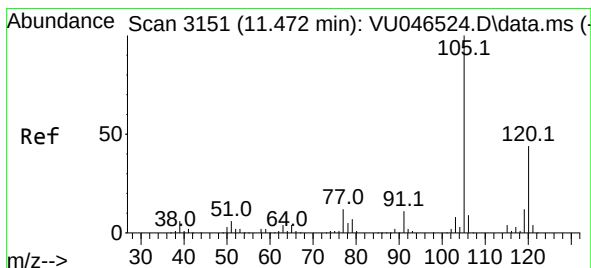
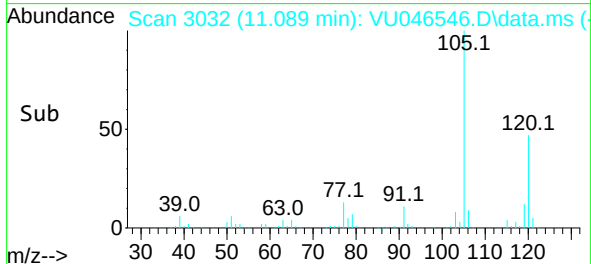
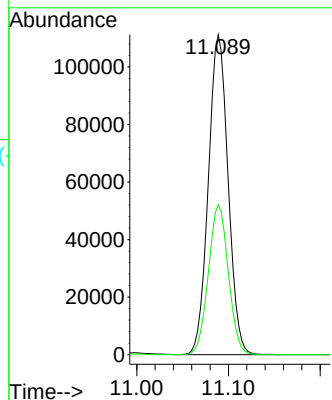
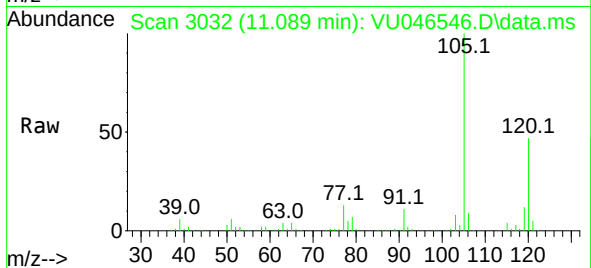
ClientSampleId :

Tgt Ion:105 Resp: 166137

Ion Ratio Lower Upper

105 100

120 47.4 38.3 57.5



#63

1,2,4-Trimethylbenzene

Concen: 5.704 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.003 min

Lab File: VU046546.D

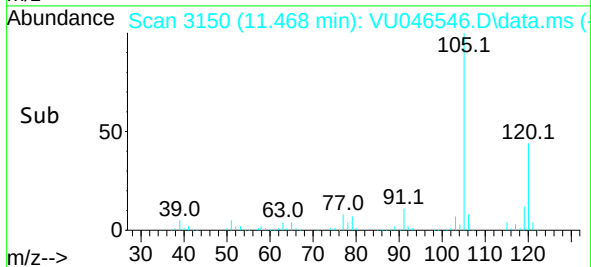
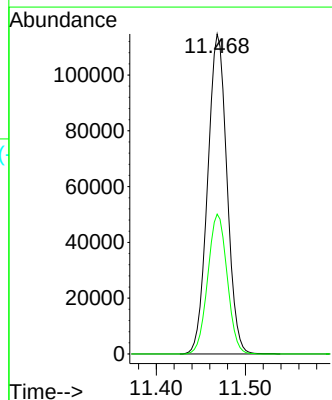
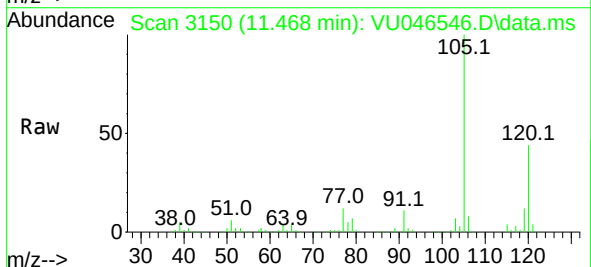
Acq: 22 Dec 2021 00:33

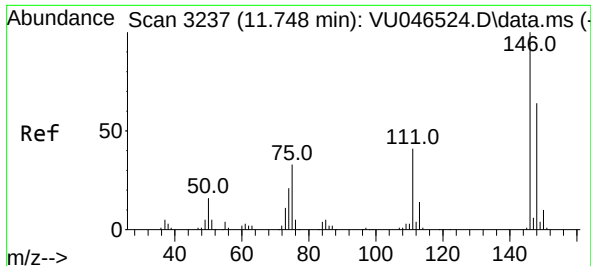
Tgt Ion:105 Resp: 171953

Ion Ratio Lower Upper

105 100

120 44.0 35.8 53.8

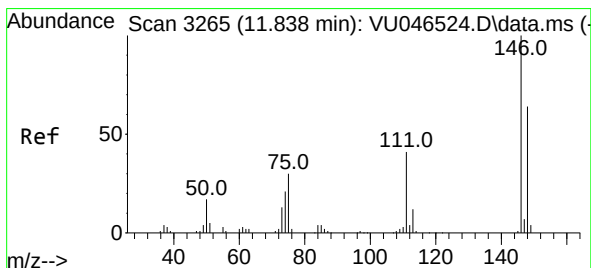
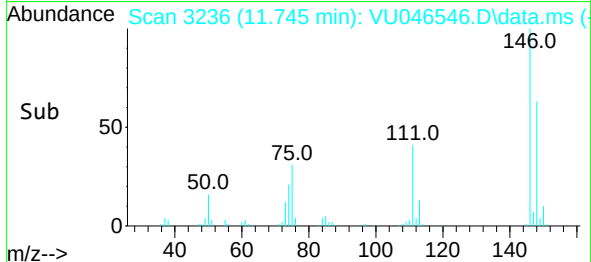
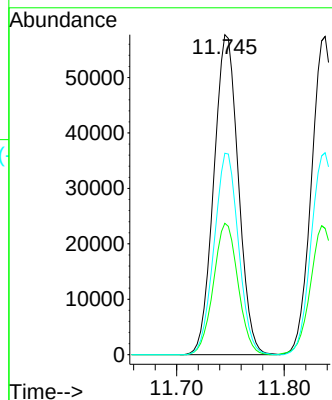
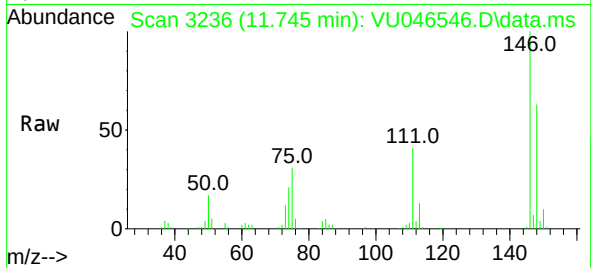




#64
1,3-Dichlorobenzene
Concen: 5.232 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU046546.D
Acq: 22 Dec 2021 00:33

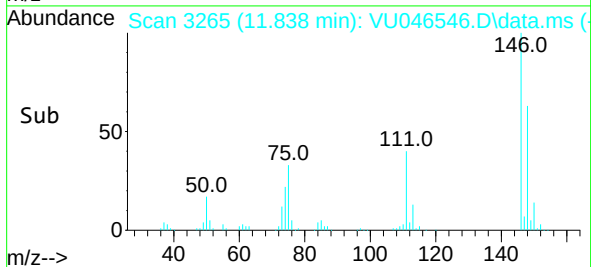
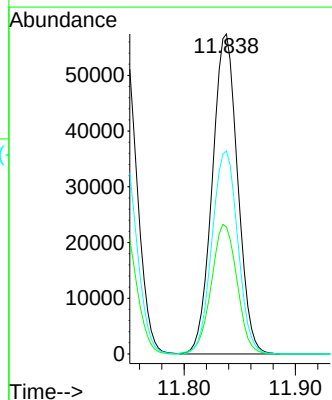
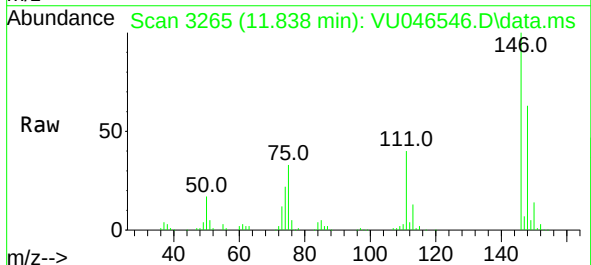
Instrument :
MSVOA_U
ClientSampleId :

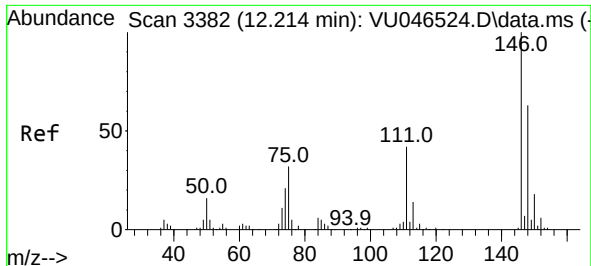
Tgt Ion:146 Resp: 91541
Ion Ratio Lower Upper
146 100
111 41.0 29.9 55.5
148 62.9 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 5.077 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. -0.000 min
Lab File: VU046546.D
Acq: 22 Dec 2021 00:33

Tgt Ion:146 Resp: 90939
Ion Ratio Lower Upper
146 100
111 39.7 28.7 53.3
148 63.4 45.8 85.0





#67

1,2-Dichlorobenzene

Concen: 5.074 ug/L

RT: 12.211 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU046546.D

Acq: 22 Dec 2021 00:33

Instrument :

MSVOA_U

ClientSampleId :

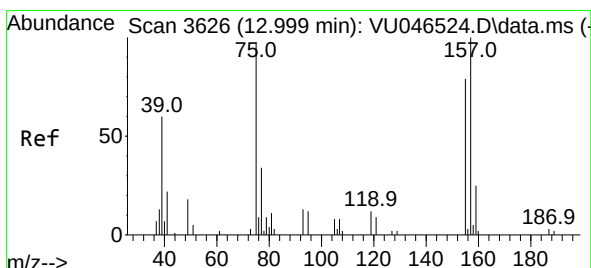
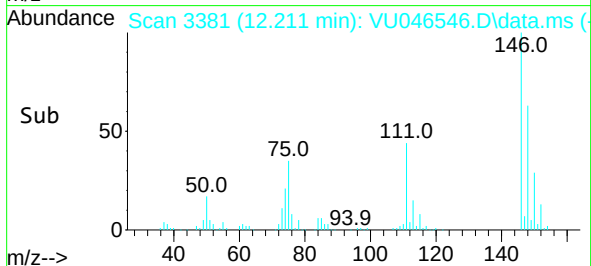
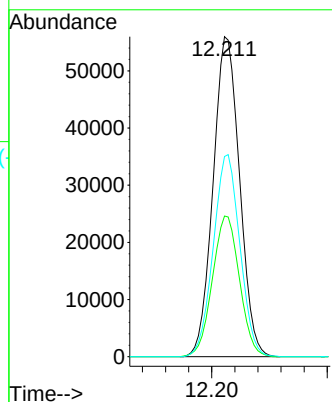
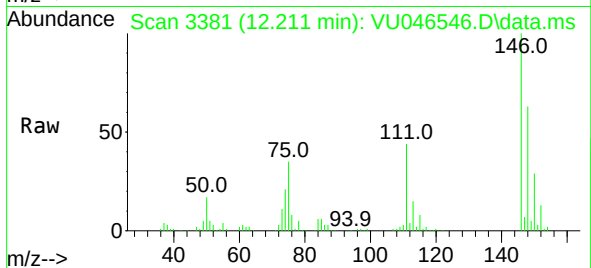
Tgt Ion:146 Resp: 89046

Ion Ratio Lower Upper

146 100

111 44.0 35.4 53.0

148 62.6 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 5.126 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. -0.000 min

Lab File: VU046546.D

Acq: 22 Dec 2021 00:33

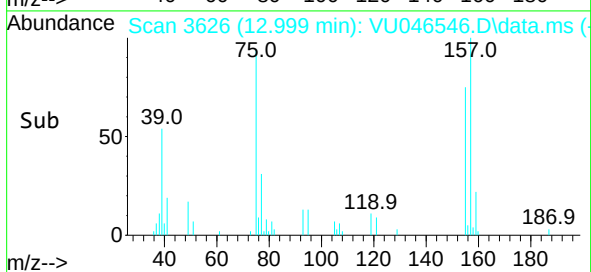
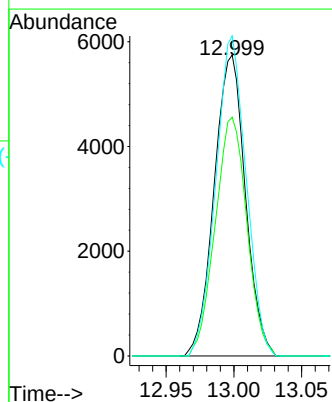
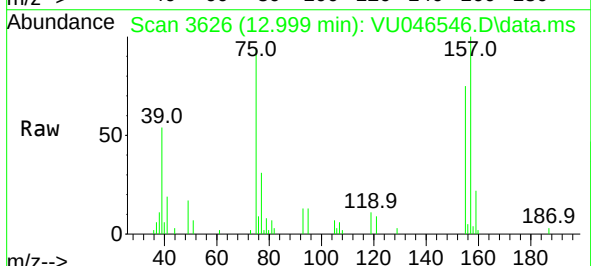
Tgt Ion: 75 Resp: 9198

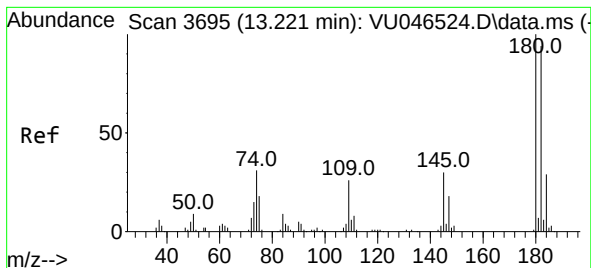
Ion Ratio Lower Upper

75 100

155 79.3 59.2 88.8

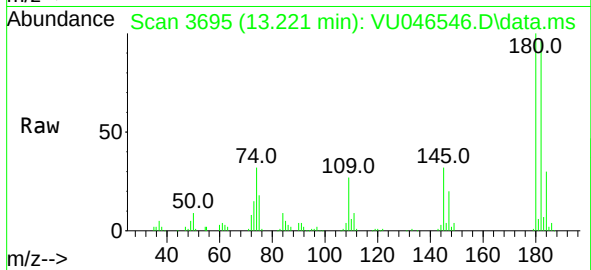
157 106.3 76.5 114.7



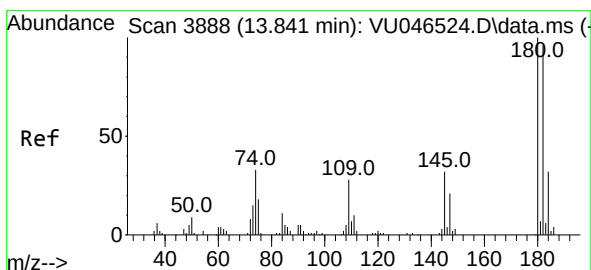
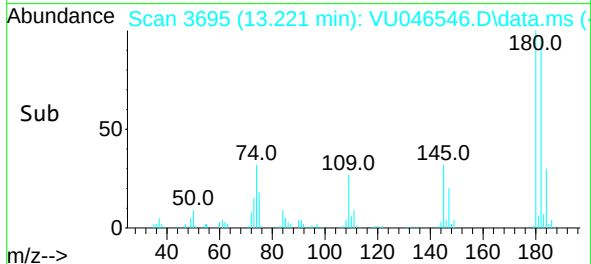
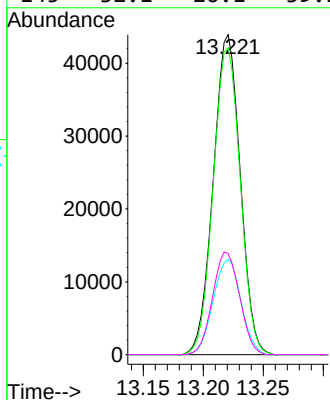


#69
 1,3,5-Trichlorobenzene
 Concen: 5.182 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. -0.000 min
 Lab File: VU046546.D
 Acq: 22 Dec 2021 00:33

Instrument :
 MSVOA_U
 ClientSampleId :

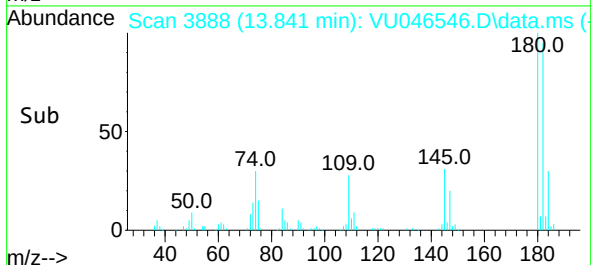
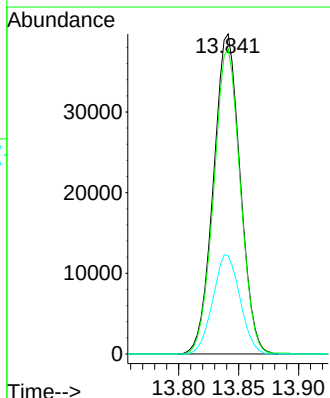
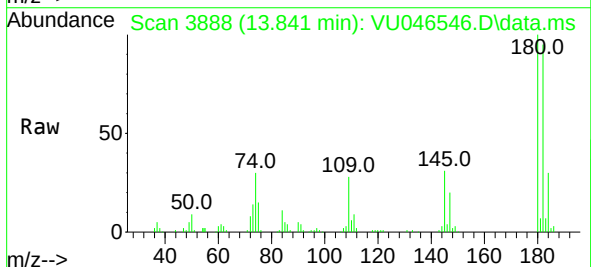


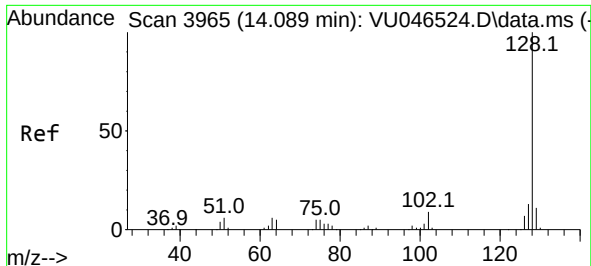
Tgt Ion:180 Resp: 68628
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.1 114.1
 184 30.7 25.0 37.4
 145 32.1 26.1 39.1



#70
 1,2,4-trichlorobenzene
 Concen: 5.467 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. -0.000 min
 Lab File: VU046546.D
 Acq: 22 Dec 2021 00:33

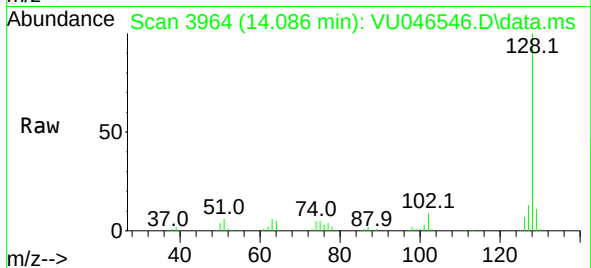
Tgt Ion:180 Resp: 61318
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.4 114.6
 145 31.5 25.6 38.4



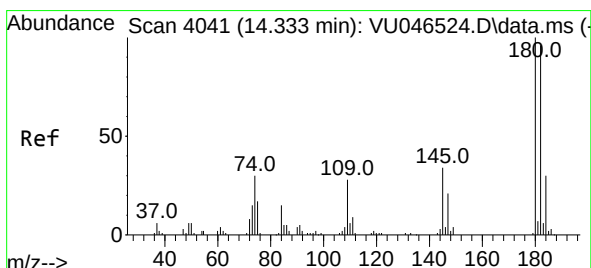
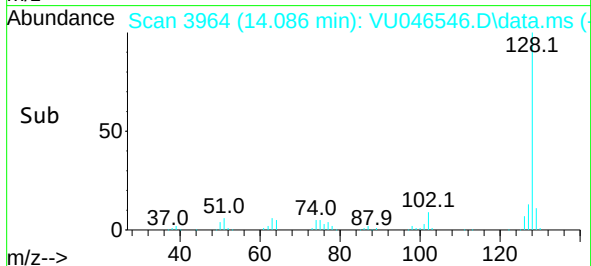
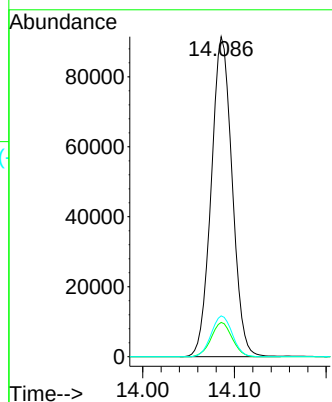


#71
Naphthalene
Concen: 5.815 ug/L
RT: 14.086 min Scan# 3965
Delta R.T. -0.003 min
Lab File: VU046546.D
Acq: 22 Dec 2021 00:33

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 144854
Ion Ratio Lower Upper
128 100
129 10.7 8.4 12.6
127 12.8 10.2 15.2



#72
1,2,3-Trichlorobenzene
Concen: 5.433 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.003 min
Lab File: VU046546.D
Acq: 22 Dec 2021 00:33

Tgt Ion:180 Resp: 60335
Ion Ratio Lower Upper
180 100
182 96.0 76.2 114.4
145 34.4 28.4 42.6

