

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU113021\
 Data File : VU046024.D
 Acq On : 30 Nov 2021 09:51
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 01 00:31:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 30 02:06:39 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	196771	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	196294	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	102794	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	77035	47.526	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.060%
7) Chloroethane-d5	1.919	69	59784	48.038	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.080%
11) 1,1-Dichloroethene-d2	2.575	63	138433	47.575	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.140%
21) 2-Butanone-d5	4.649	46	126089	97.854	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.850%
24) Chloroform-d	5.070	84	131696	48.653	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.300%
26) 1,2-Dichloroethane-d4	5.707	65	86600	47.672	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.340%
32) Benzene-d6	5.732	84	275896	49.038	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.080%
36) 1,2-Dichloropropane-d6	6.694	67	83623	47.959	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.920%
41) Toluene-d8	7.903	98	255320	49.842	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.680%
43) trans-1,3-Dichloroprop...	8.182	79	42500	50.492	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.980%
47) 2-Hexanone-d5	8.639	63	82311	99.563	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.560%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	125454	47.443	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.880%
66) 1,2-Dichlorobenzene-d4	12.195	152	96349	48.670	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.340%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	108885	50.861	ug/L	99
3) Chloromethane	1.523	50	96736	50.519	ug/L	99
5) Vinyl chloride	1.607	62	97541	50.520	ug/L	99
6) Bromomethane	1.864	94	56422	51.559	ug/L	97
8) Chloroethane	1.938	64	57667	51.585	ug/L	99
9) Trichlorofluoromethane	2.144	101	129040	51.193	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	75456	52.701	ug/L	99
12) 1,1-Dichloroethene	2.584	96	68403	50.276	ug/L	98
13) Acetone	2.668	43	146272	90.830	ug/L	99
14) Carbon disulfide	2.800	76	214785	50.883	ug/L	100
15) Methyl Acetate	2.961	43	90915	48.429	ug/L	98
16) Methylene chloride	3.051	84	78310	48.377	ug/L	99
17) trans-1,2-Dichloroethene	3.359	96	74170	51.513	ug/L	99
18) Methyl tert-butyl Ether	3.369	73	232725	52.447	ug/L	100
19) 1,1-Dichloroethane	3.877	63	136061	51.973	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	79571	50.932	ug/L	96
22) 2-Butanone	4.723	43	170939	97.509	ug/L	99
23) Bromochloromethane	4.980	128	41682	52.825	ug/L	96
25) Chloroform	5.092	83	146443	50.346	ug/L	99

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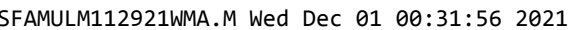
Instrument :
 MSVOA_U
 ClientSampleId :

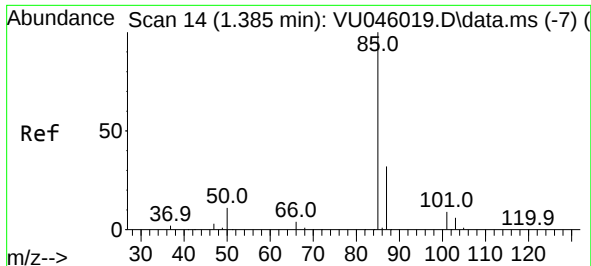
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 Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	110771	51.320	ug/L	99
29) Cyclohexane	5.395	56	123214	53.906	ug/L	98
30) 1,1,1-Trichloroethane	5.321	97	125003	51.879	ug/L	100
31) Carbon tetrachloride	5.530	117	106338	51.984	ug/L	97
33) Benzene	5.781	78	311410	52.416	ug/L	100
34) Trichloroethene	6.546	95	80115	51.187	ug/L	96
35) Methylcyclohexane	6.768	83	132380	54.549	ug/L	98
37) 1,2-Dichloropropane	6.793	63	80955	52.017	ug/L	100
38) Bromodichloromethane	7.112	83	105824	51.158	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	122489	51.736	ug/L	98
40) 4-Methyl-2-pentanone	7.797	43	243975	106.698	ug/L	99
42) Toluene	7.973	91	337835	52.994	ug/L	100
44) trans-1,3-Dichloropropene	8.214	75	125654	54.036	ug/L	100
45) 1,1,2-Trichloroethane	8.404	97	79033	50.618	ug/L	98
46) Tetrachloroethene	8.555	164	60089	52.243	ug/L	97
48) 2-Hexanone	8.687	43	218398	106.799	ug/L	99
49) Dibromochloromethane	8.813	129	86313	52.642	ug/L	98
50) 1,2-Dibromoethane	8.928	107	87265	51.551	ug/L	98
51) Chlorobenzene	9.449	112	209442	50.783	ug/L	99
52) Ethylbenzene	9.575	91	367028	53.497	ug/L	100
53) m,p-Xylene	9.697	106	142899	53.408	ug/L	100
54) o-xylene	10.105	106	137494	52.959	ug/L	97
55) Styrene	10.118	104	240807	54.327	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.787	83	134455	50.228	ug/L	99
59) Bromoform	10.295	173	64024	53.093	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	114051	50.614	ug/L	99
61) Isopropylbenzene	10.488	105	366658	54.822	ug/L	100
62) 1,3,5-Trimethylbenzene	11.092	105	315139	56.530	ug/L	99
63) 1,2,4-Trimethylbenzene	11.472	105	315240	56.521	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	166617	52.445	ug/L	97
65) 1,4-Dichlorobenzene	11.838	146	168286	51.254	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	166351	51.996	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	31155	51.900	ug/L	100
69) 1,3,5-Trichlorobenzene	13.221	180	122487	52.913	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	107200	52.186	ug/L	100
71) Naphthalene	14.089	128	398899	55.804	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	112679	53.791	ug/L	99

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

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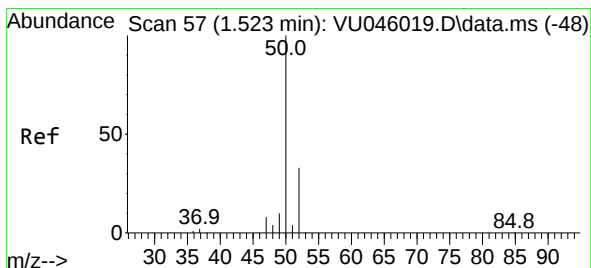
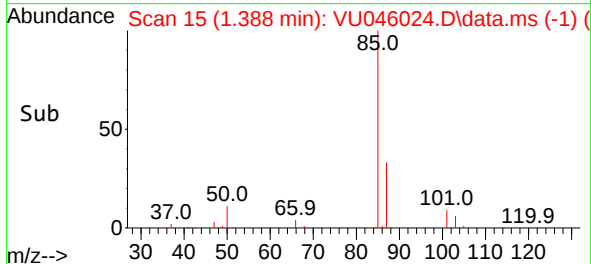
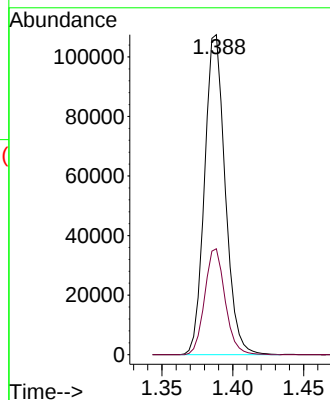
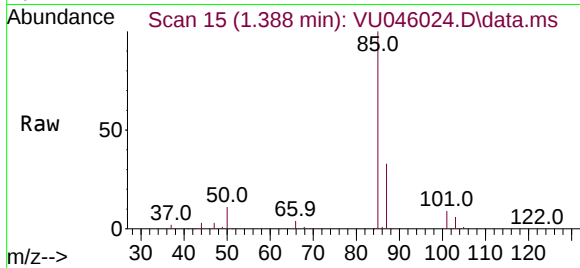




#2
 Dichlorodifluoromethane
 Concen: 50.861 ug/L
 RT: 1.388 min Scan# 11
 Delta R.T. 0.003 min
 Lab File: VU046024.D
 Acq: 30 Nov 2021 09:51

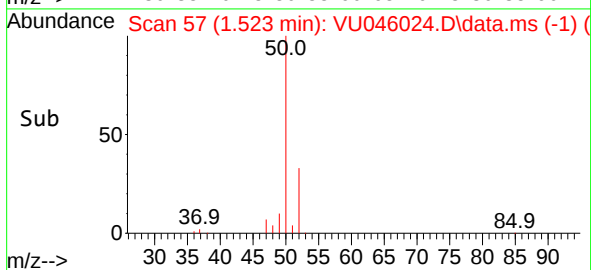
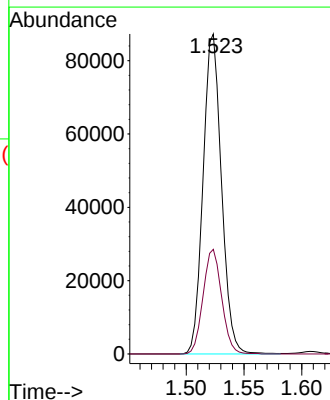
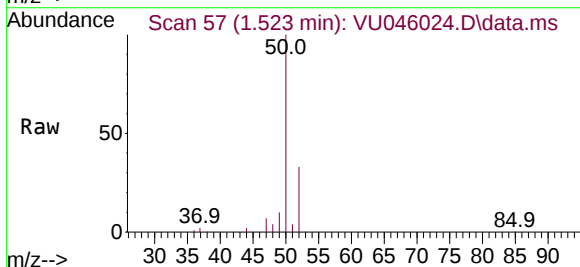
Instrument :
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 ClientSampleId :

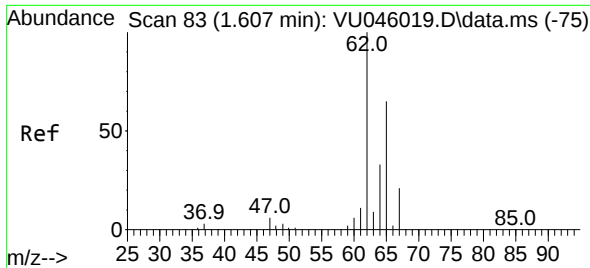
Tgt Ion: 85 Resp: 108885
 Ion Ratio Lower Upper
 85 100
 87 32.7 25.7 38.5



#3
 Chloromethane
 Concen: 50.519 ug/L
 RT: 1.523 min Scan# 57
 Delta R.T. 0.000 min
 Lab File: VU046024.D
 Acq: 30 Nov 2021 09:51

Tgt Ion: 50 Resp: 96736
 Ion Ratio Lower Upper
 50 100
 52 32.7 23.2 43.2

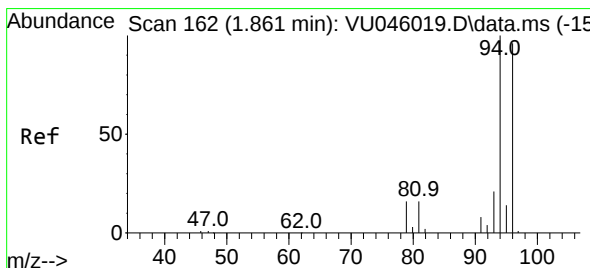
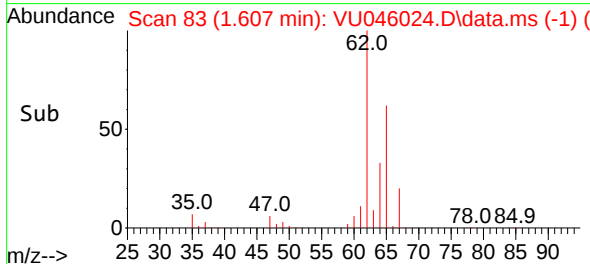
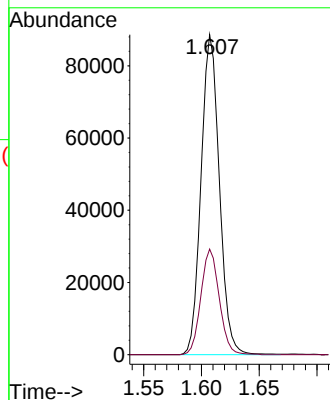
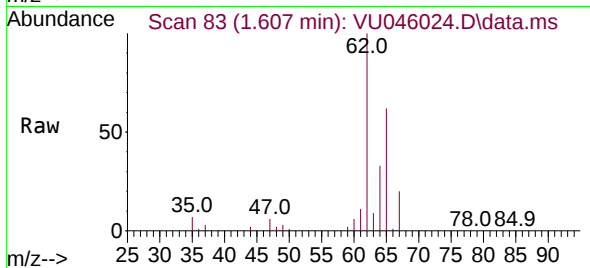




#5
 Vinyl chloride
 Concen: 50.520 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU046024.D
 Acq: 30 Nov 2021 09:51

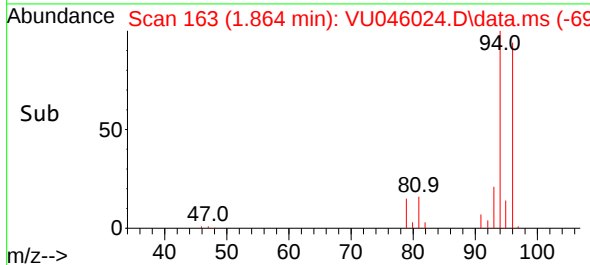
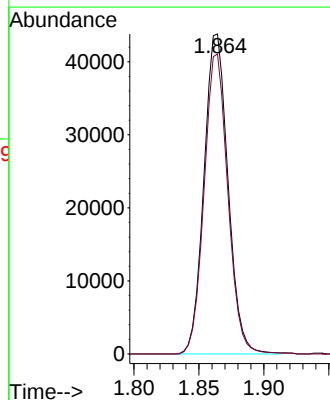
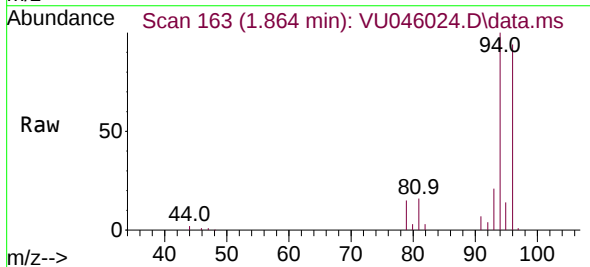
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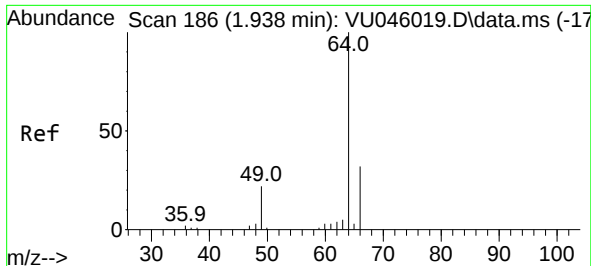
Tgt Ion: 62 Resp: 97541
 Ion Ratio Lower Upper
 62 100
 64 33.0 22.9 42.5



#6
 Bromomethane
 Concen: 51.559 ug/L
 RT: 1.864 min Scan# 163
 Delta R.T. 0.003 min
 Lab File: VU046024.D
 Acq: 30 Nov 2021 09:51

Tgt Ion: 94 Resp: 56422
 Ion Ratio Lower Upper
 94 100
 96 93.8 67.4 125.2

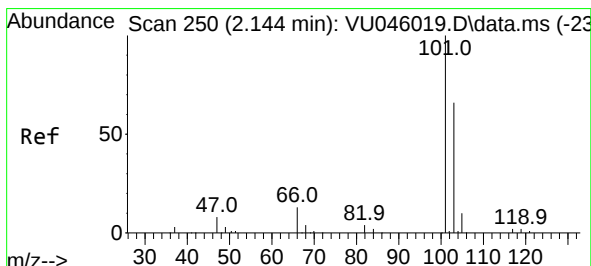
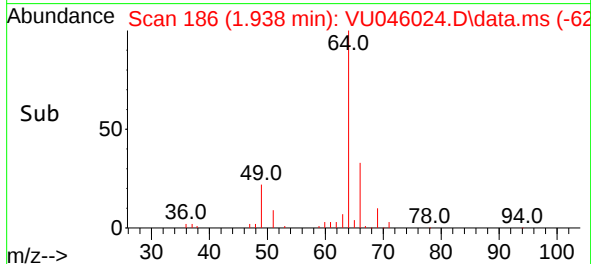
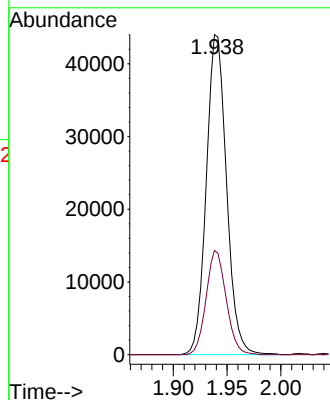
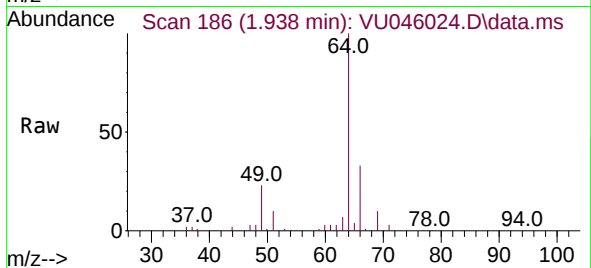




#8
Chloroethane
Concen: 51.585 ug/L
RT: 1.938 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU046024.D
Acq: 30 Nov 2021 09:51

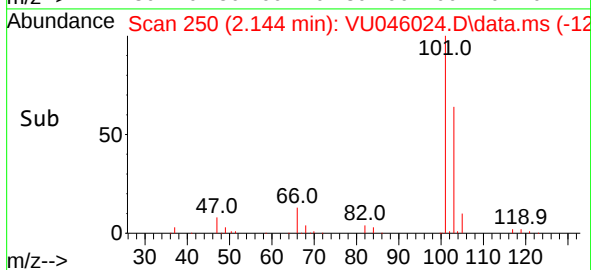
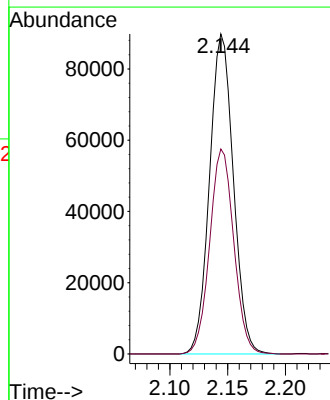
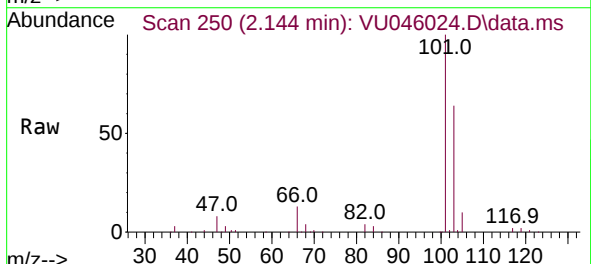
Instrument :
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ClientSampleId :

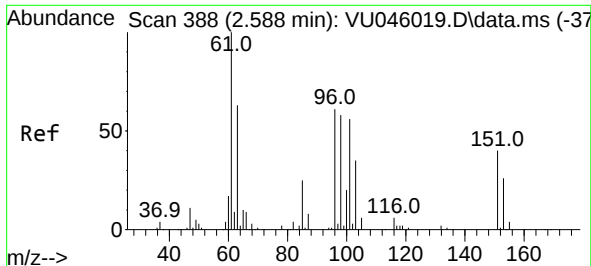
Tgt Ion: 64 Resp: 57667
Ion Ratio Lower Upper
64 100
66 32.6 22.5 41.9



#9
Trichlorofluoromethane
Concen: 51.193 ug/L
RT: 2.144 min Scan# 250
Delta R.T. 0.000 min
Lab File: VU046024.D
Acq: 30 Nov 2021 09:51

Tgt Ion:101 Resp: 129040
Ion Ratio Lower Upper
101 100
103 64.6 51.8 77.6

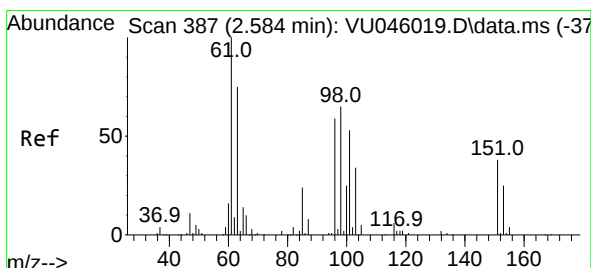
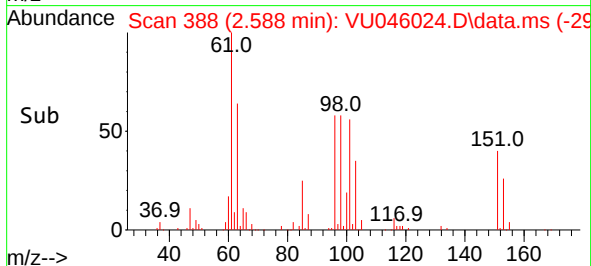
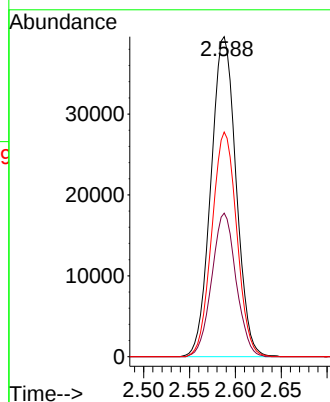
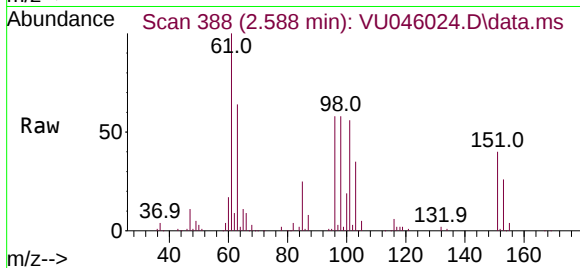




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 52.701 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. -0.000 min
 Lab File: VU046024.D
 Acq: 30 Nov 2021 09:51

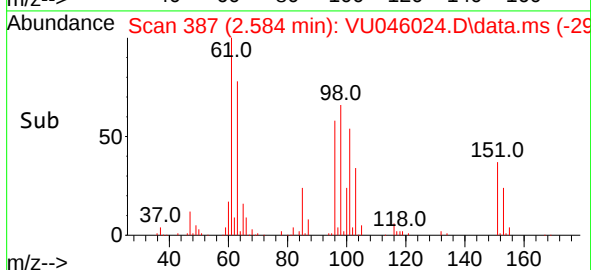
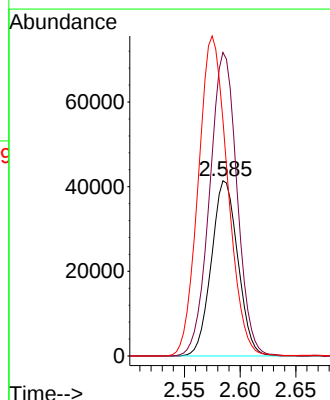
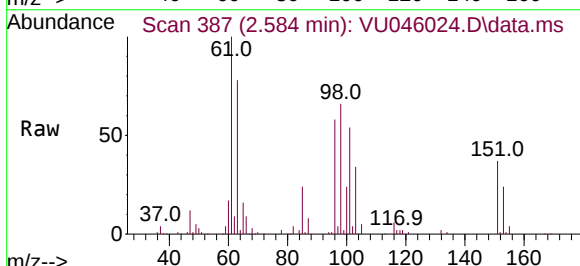
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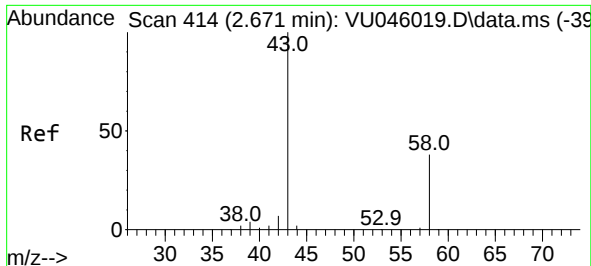
Tgt Ion:101 Resp: 75456
 Ion Ratio Lower Upper
 101 100
 85 43.4 35.1 52.7
 151 69.6 56.7 85.1



#12
 1,1-Dichloroethene
 Concen: 50.276 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. 0.000 min
 Lab File: VU046024.D
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Tgt Ion: 96 Resp: 68403
 Ion Ratio Lower Upper
 96 100
 61 173.2 118.6 220.2
 63 134.8 93.0 172.8

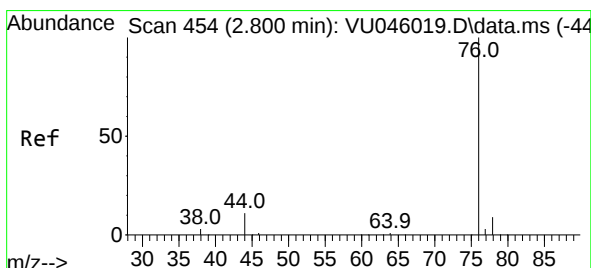
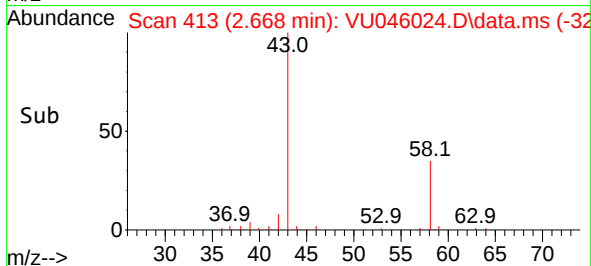
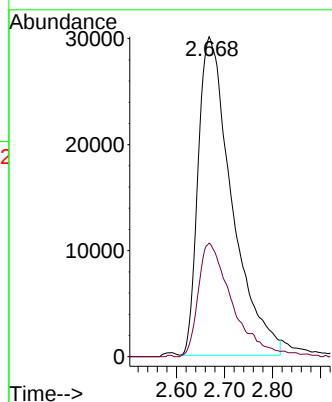
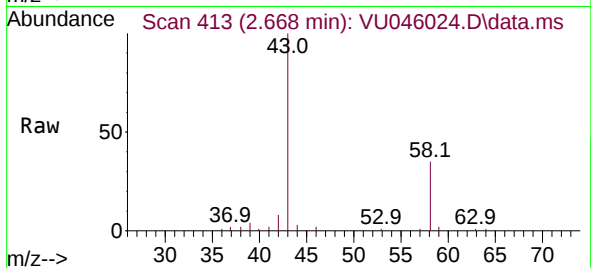




#13
Acetone
Concen: 90.830 ug/L
RT: 2.668 min Scan# 41
Delta R.T. -0.003 min
Lab File: VU046024.D
Acq: 30 Nov 2021 09:51

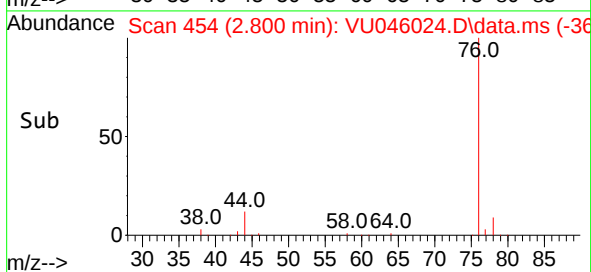
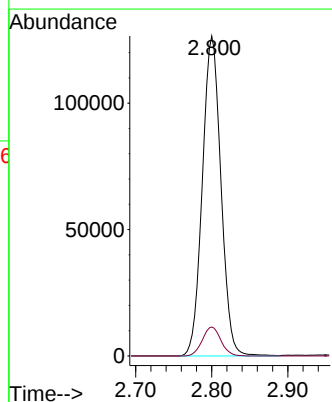
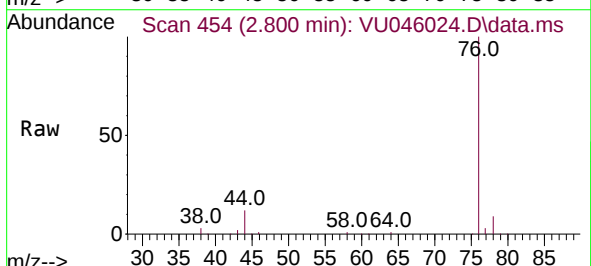
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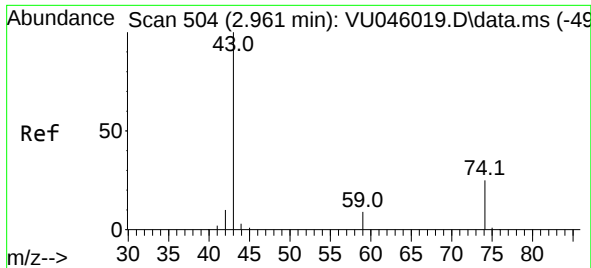
Tgt Ion: 43 Resp: 146272
Ion Ratio Lower Upper
43 100
58 32.8 0.0 66.8



#14
Carbon disulfide
Concen: 50.883 ug/L
RT: 2.800 min Scan# 454
Delta R.T. -0.000 min
Lab File: VU046024.D
Acq: 30 Nov 2021 09:51

Tgt Ion: 76 Resp: 214785
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9

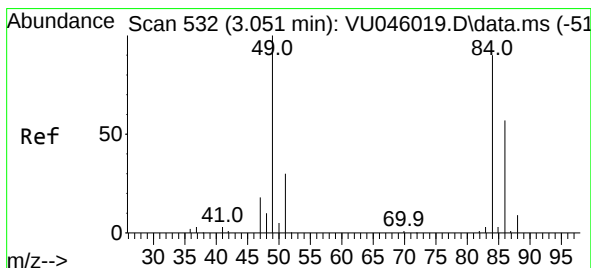
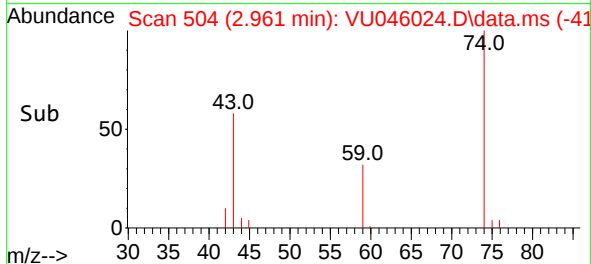
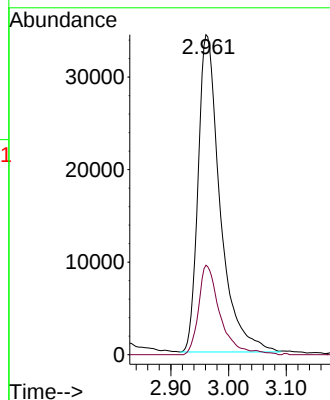
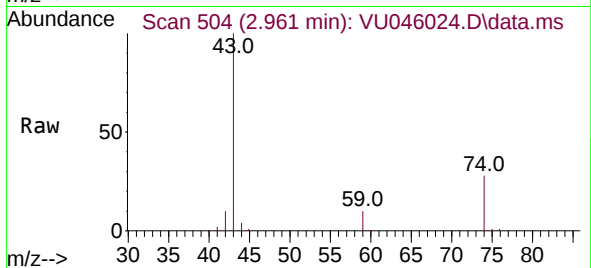




#15
Methyl Acetate
Concen: 48.429 ug/L
RT: 2.961 min Scan# 504
Delta R.T. -0.000 min
Lab File: VU046024.D
Acq: 30 Nov 2021 09:51

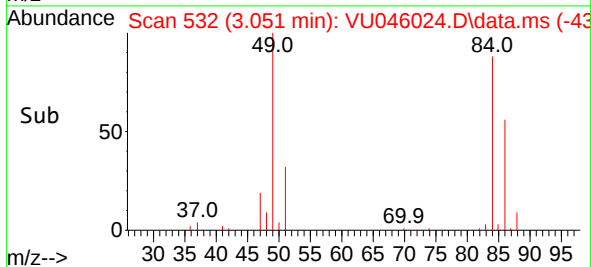
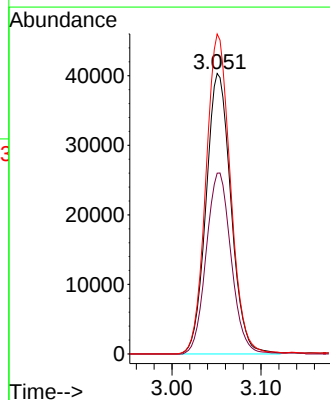
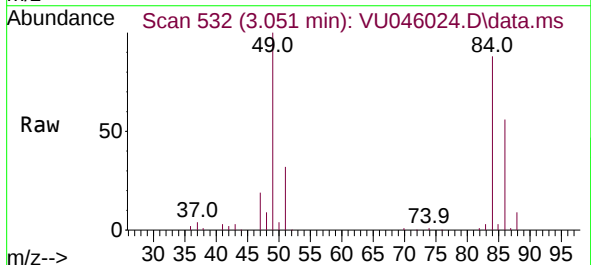
Instrument :
MSVOA_U
ClientSampleId :

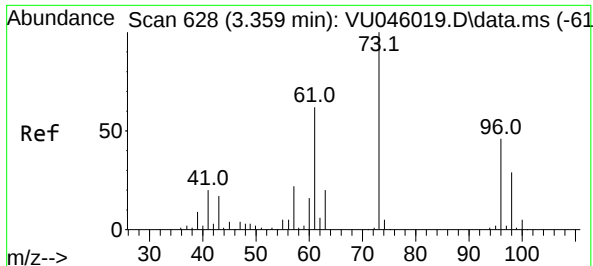
Tgt Ion: 43 Resp: 90915
Ion Ratio Lower Upper
43 100
74 26.8 20.8 31.2



#16
Methylene chloride
Concen: 48.377 ug/L
RT: 3.051 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU046024.D
Acq: 30 Nov 2021 09:51

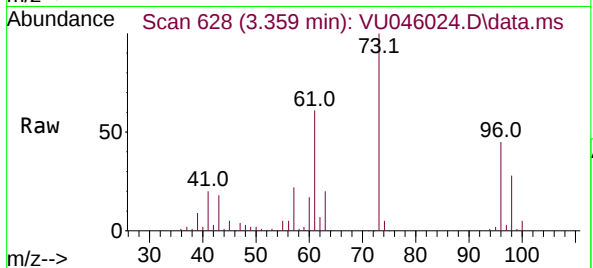
Tgt Ion: 84 Resp: 78310
Ion Ratio Lower Upper
84 100
86 64.4 44.7 83.1
49 114.1 78.4 145.6



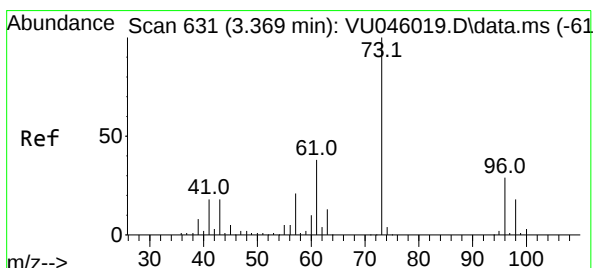
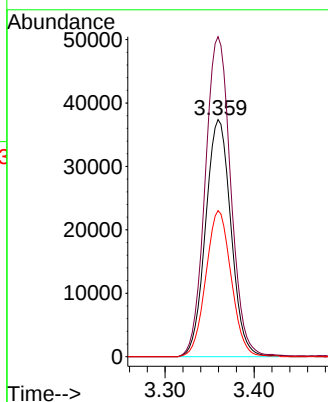
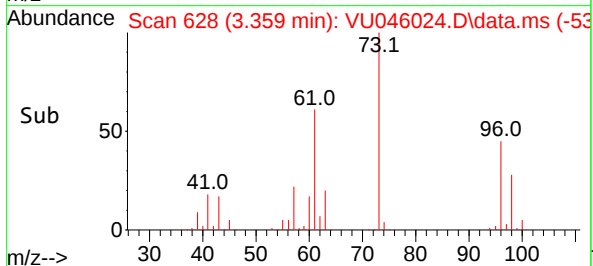


#17
trans-1,2-Dichloroethene
Concen: 51.513 ug/L
RT: 3.359 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU046024.D
Acq: 30 Nov 2021 09:51

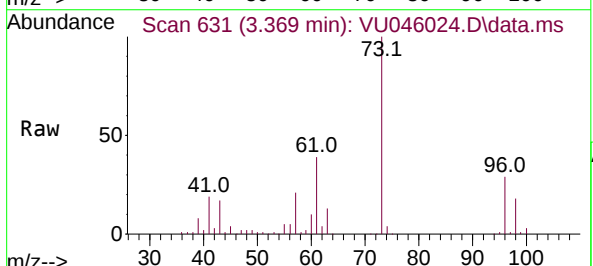
Instrument :
MSVOA_U
ClientSampleId :



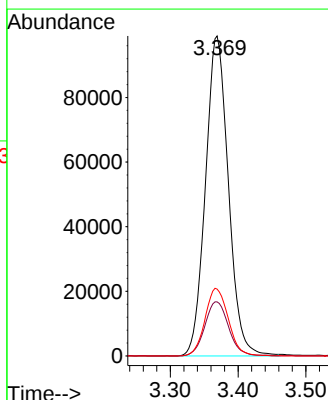
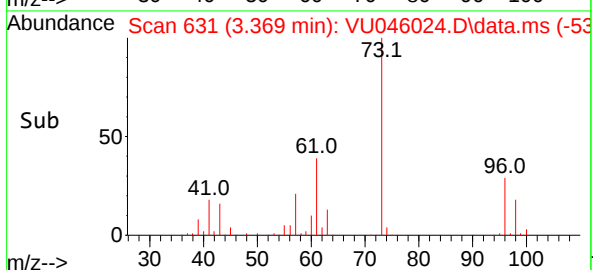
Tgt Ion: 96 Resp: 74170
Ion Ratio Lower Upper
96 100
61 134.9 94.6 175.6
98 61.6 44.0 81.8

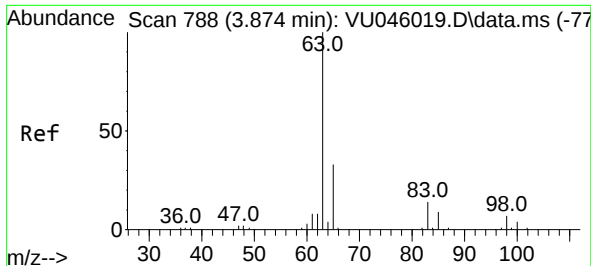


#18
Methyl tert-butyl Ether
Concen: 52.447 ug/L
RT: 3.369 min Scan# 631
Delta R.T. 0.000 min
Lab File: VU046024.D
Acq: 30 Nov 2021 09:51



Tgt Ion: 73 Resp: 232725
Ion Ratio Lower Upper
73 100
43 17.6 14.0 21.0
57 21.4 17.0 25.4





#19

1,1-Dichloroethane

Concen: 51.973 ug/L

RT: 3.877 min Scan# 788

Delta R.T. 0.003 min

Lab File: VU046024.D

Acq: 30 Nov 2021 09:51

Instrument :

MSVOA_U

ClientSampleId :

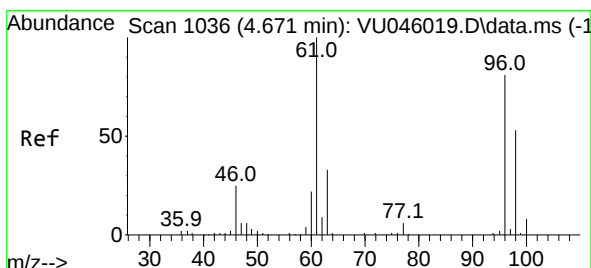
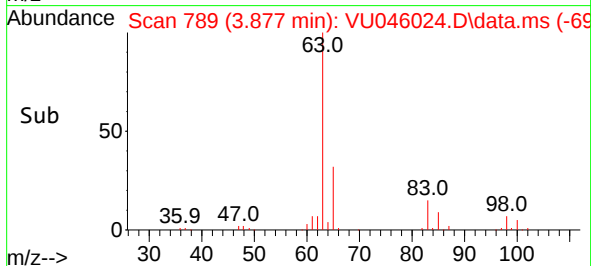
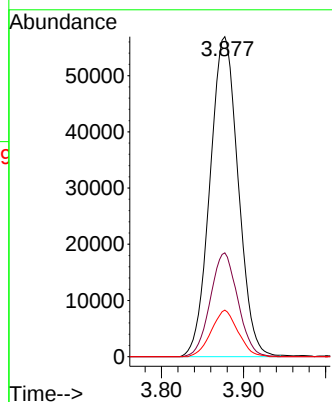
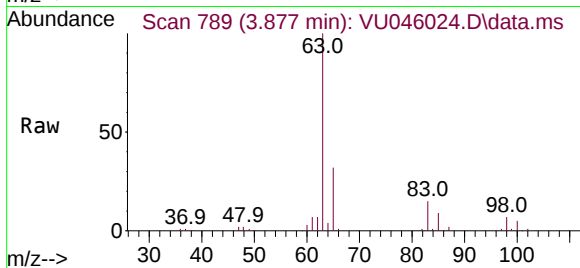
Tgt Ion: 63 Resp: 136061

Ion Ratio Lower Upper

63 100

65 32.4 22.8 42.4

83 14.5 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 50.932 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU046024.D

Acq: 30 Nov 2021 09:51

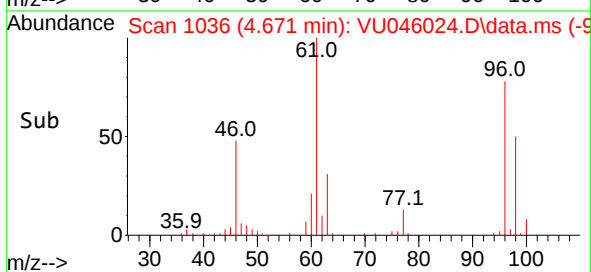
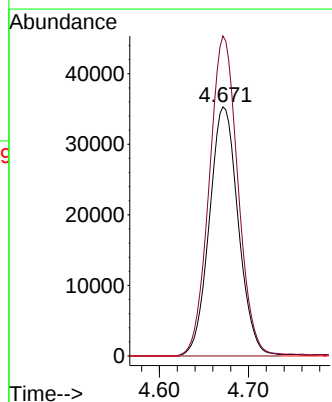
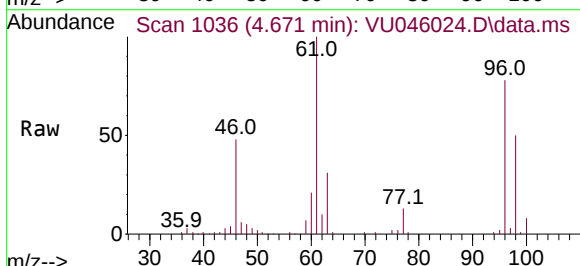
Tgt Ion: 96 Resp: 79571

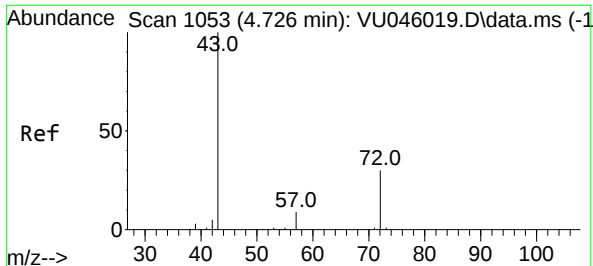
Ion Ratio Lower Upper

96 100

61 128.4 86.8 161.2

68 0.0 0.0 0.0

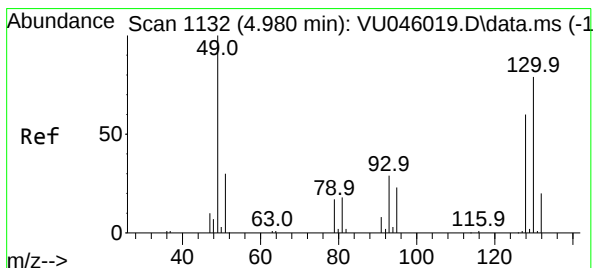
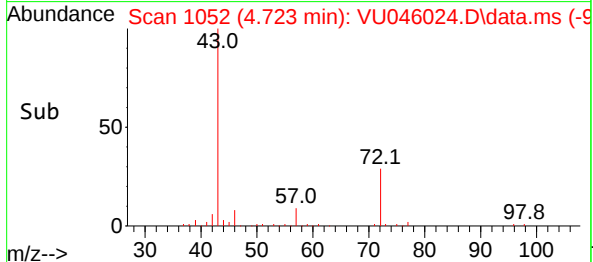
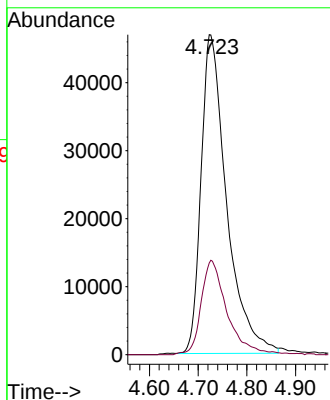
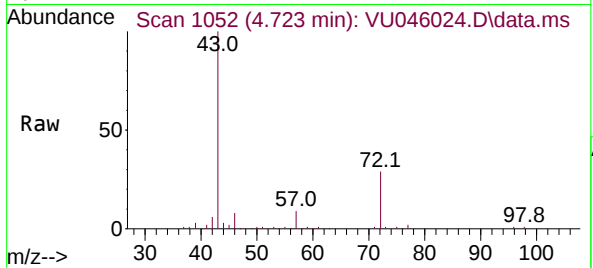




#22
2-Butanone
Concen: 97.509 ug/L
RT: 4.723 min Scan# 1052
Delta R.T. -0.003 min
Lab File: VU046024.D
Acq: 30 Nov 2021 09:51

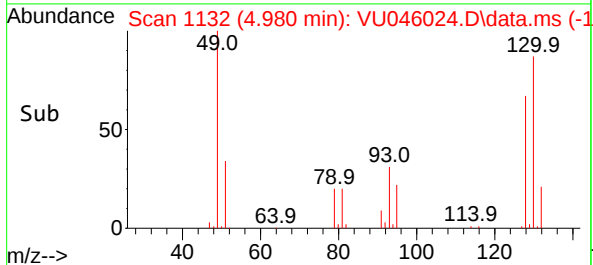
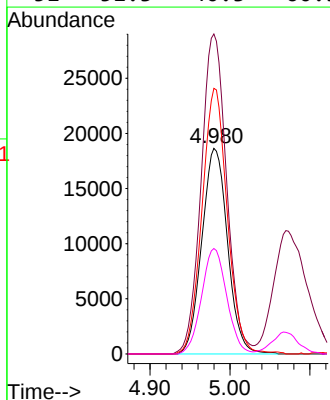
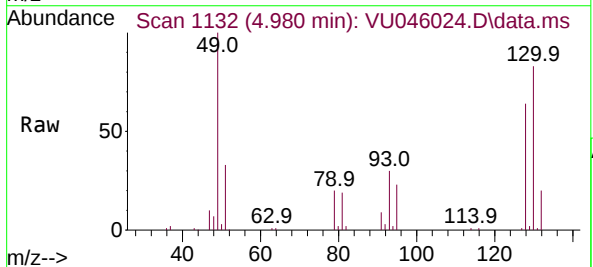
Instrument :
MSVOA_U
ClientSampleId :

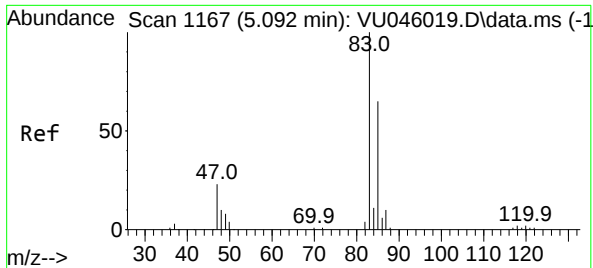
Tgt Ion: 43 Resp: 170939
Ion Ratio Lower Upper
43 100
72 29.5 14.5 43.6



#23
Bromochloromethane
Concen: 52.825 ug/L
RT: 4.980 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VU046024.D
Acq: 30 Nov 2021 09:51

Tgt Ion:128 Resp: 41682
Ion Ratio Lower Upper
128 100
49 155.6 115.9 215.3
130 129.2 91.8 170.4
51 51.3 40.3 60.5





#25

Chloroform

Concen: 50.346 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. 0.000 min

Lab File: VU046024.D

Acq: 30 Nov 2021 09:51

Instrument :

MSVOA_U

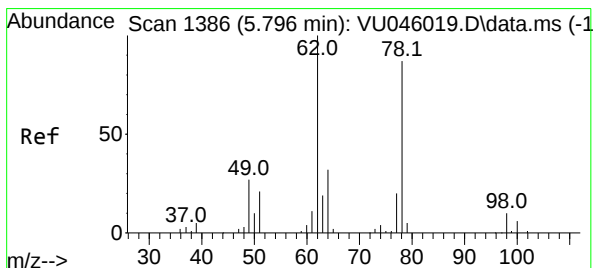
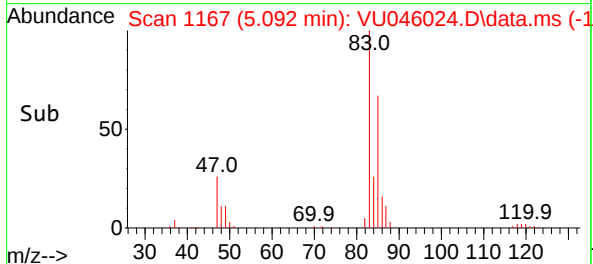
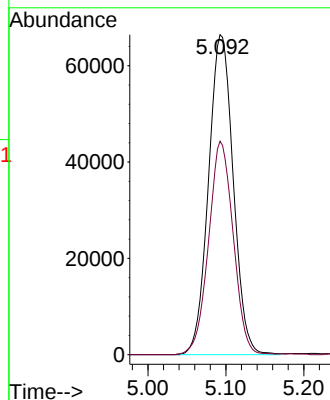
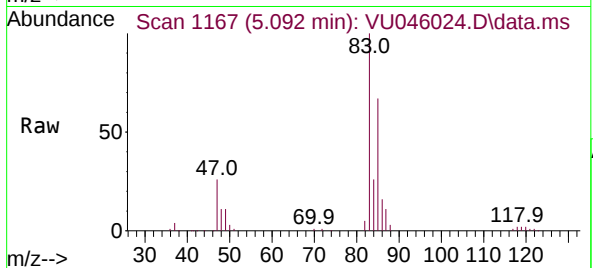
ClientSampleId :

Tgt Ion: 83 Resp: 146443

Ion Ratio Lower Upper

83 100

85 66.7 45.8 85.2



#27

1,2-Dichloroethane

Concen: 51.320 ug/L

RT: 5.797 min Scan# 1386

Delta R.T. 0.001 min

Lab File: VU046024.D

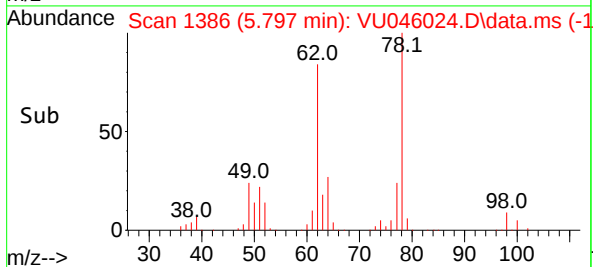
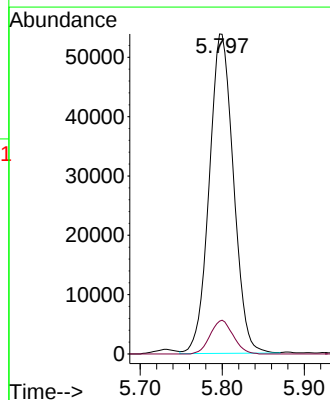
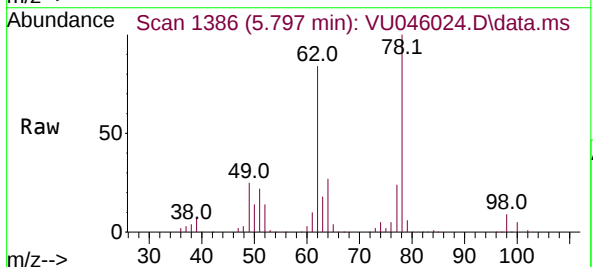
Acq: 30 Nov 2021 09:51

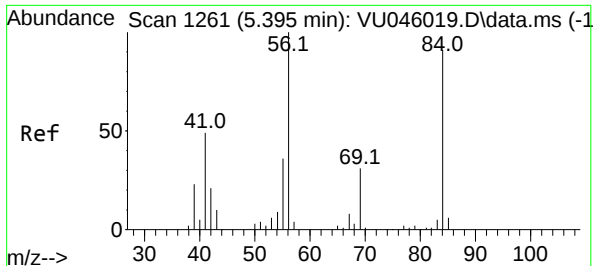
Tgt Ion: 62 Resp: 110771

Ion Ratio Lower Upper

62 100

98 10.3 7.9 11.9





#29

Cyclohexane

Concen: 53.906 ug/L

RT: 5.395 min Scan# 1261

Delta R.T. -0.000 min

Lab File: VU046024.D

Acq: 30 Nov 2021 09:51

Instrument :

MSVOA_U

ClientSampleId :

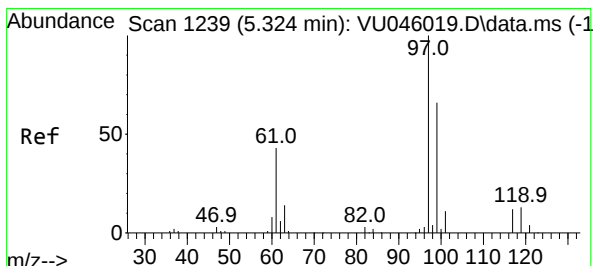
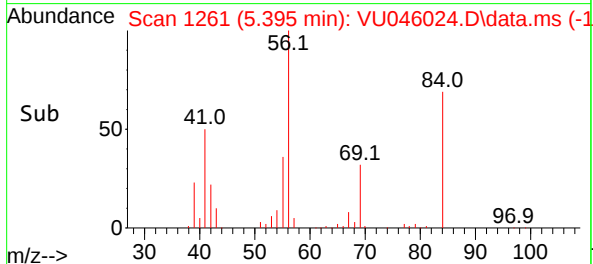
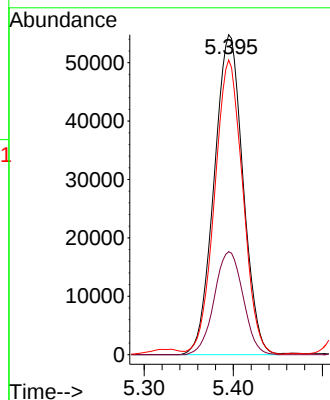
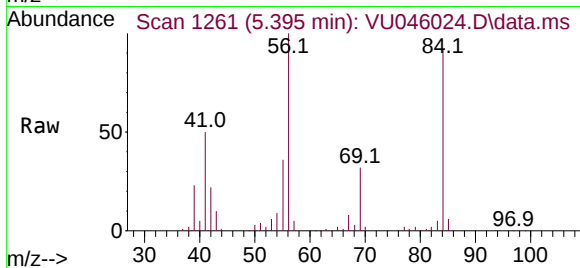
Tgt Ion: 56 Resp: 123214

Ion Ratio Lower Upper

56 100

69 32.1 25.2 37.8

84 89.6 73.3 109.9



#30

1,1,1-Trichloroethane

Concen: 51.879 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.003 min

Lab File: VU046024.D

Acq: 30 Nov 2021 09:51

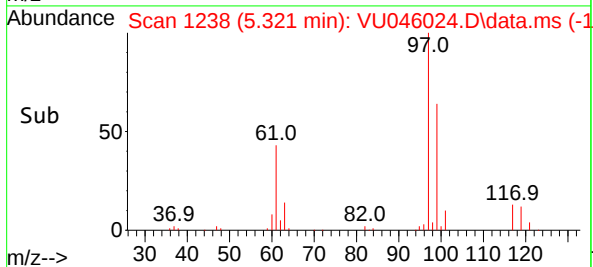
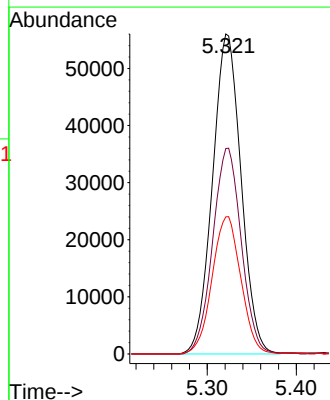
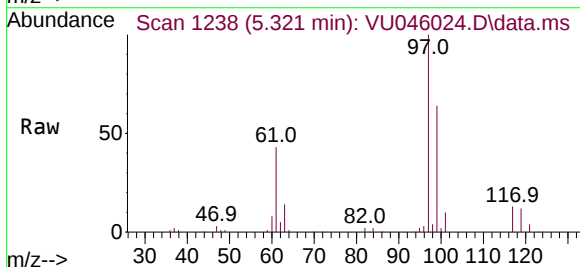
Tgt Ion: 97 Resp: 125003

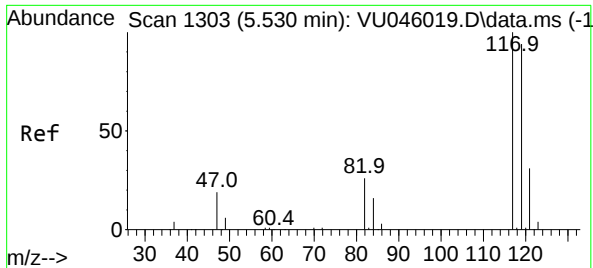
Ion Ratio Lower Upper

97 100

99 64.3 51.8 77.6

61 43.2 34.4 51.6

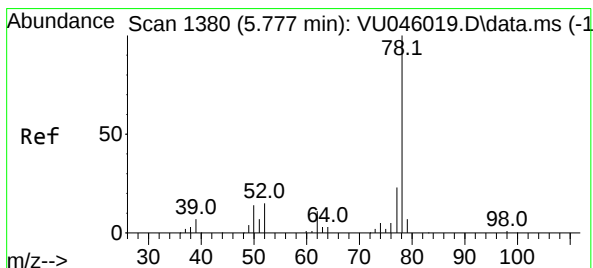
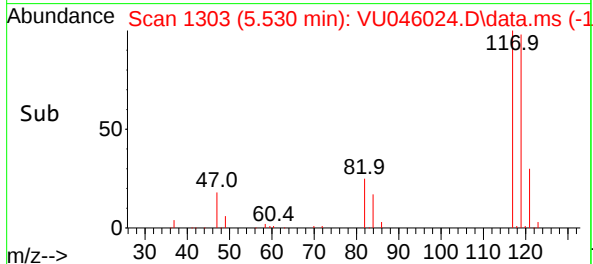
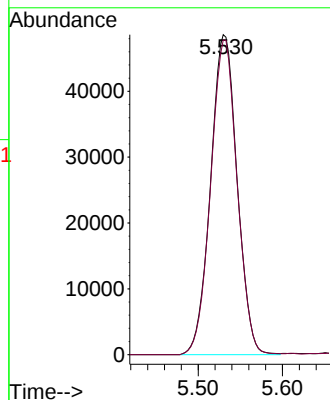
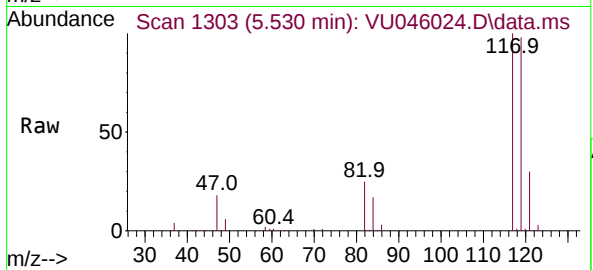




#31
Carbon tetrachloride
Concen: 51.984 ug/L
RT: 5.530 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU046024.D
Acq: 30 Nov 2021 09:51

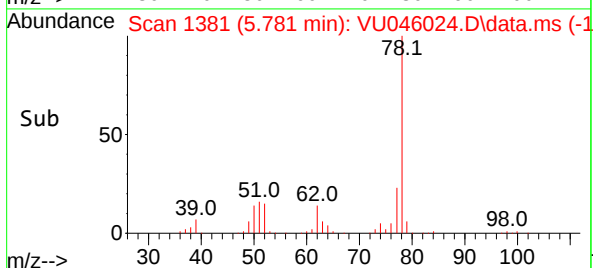
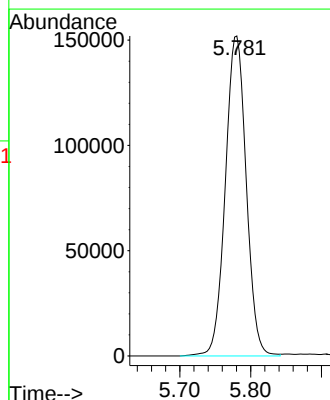
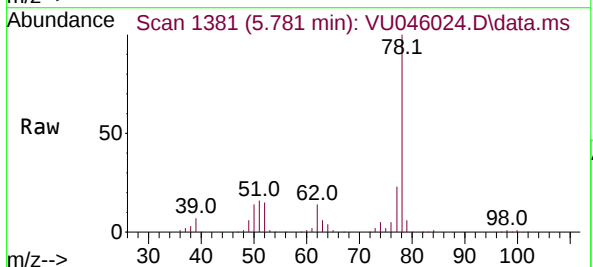
Instrument :
MSVOA_U
ClientSampleId :

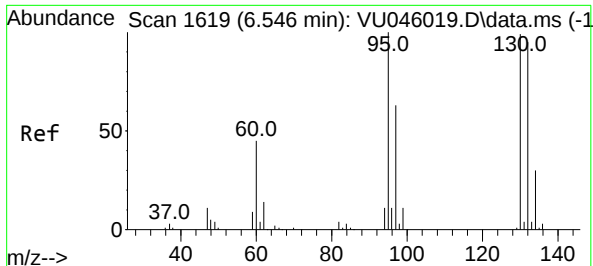
Tgt Ion:117 Resp: 106338
Ion Ratio Lower Upper
117 100
119 97.9 75.7 113.5



#33
Benzene
Concen: 52.416 ug/L
RT: 5.781 min Scan# 1381
Delta R.T. 0.004 min
Lab File: VU046024.D
Acq: 30 Nov 2021 09:51

Tgt Ion: 78 Resp: 311410

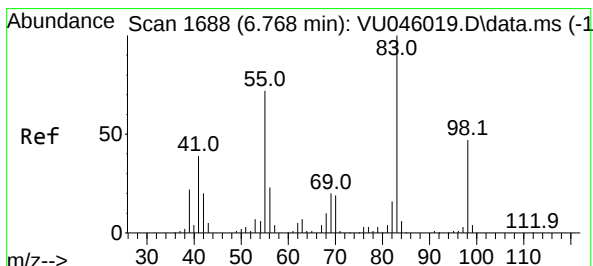
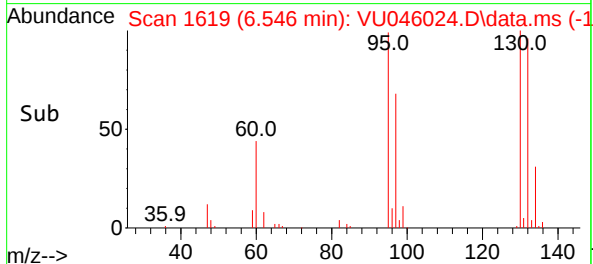
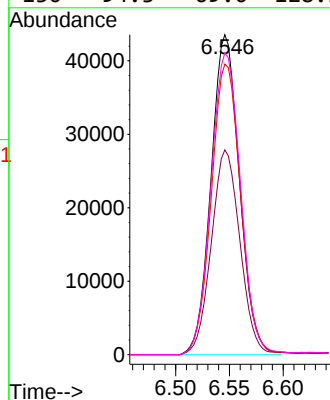
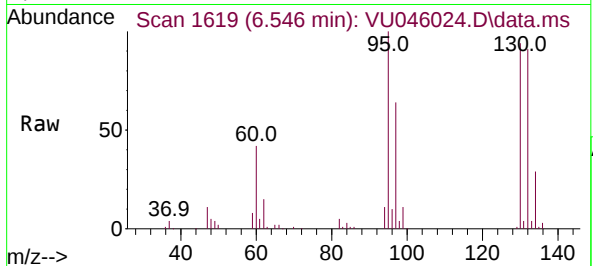




#34
Trichloroethene
Concen: 51.187 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU046024.D
Acq: 30 Nov 2021 09:51

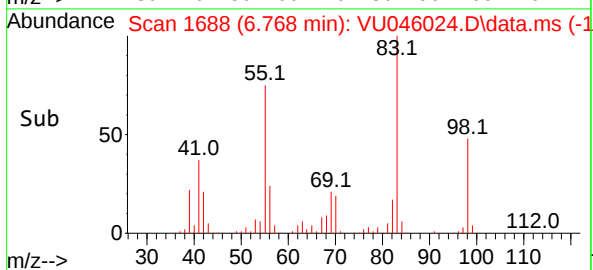
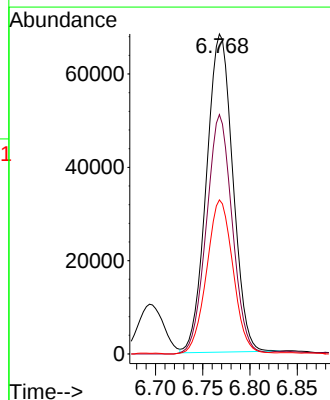
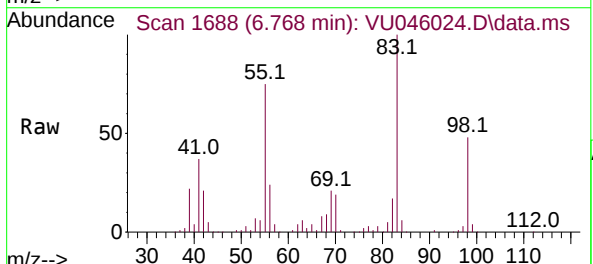
Instrument :
MSVOA_U
ClientSampleId :

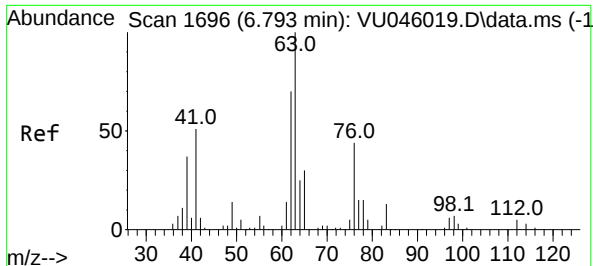
Tgt Ion: 95 Resp: 80115
Ion Ratio Lower Upper
95 100
97 64.0 44.1 81.9
132 90.8 66.8 124.0
130 94.3 69.0 128.1



#35
Methylcyclohexane
Concen: 54.549 ug/L
RT: 6.768 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VU046024.D
Acq: 30 Nov 2021 09:51

Tgt Ion: 83 Resp: 132380
Ion Ratio Lower Upper
83 100
55 73.9 57.8 86.6
98 48.6 38.4 57.6





#37

1,2-Dichloropropane

Concen: 52.017 ug/L

RT: 6.793 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU046024.D

Acq: 30 Nov 2021 09:51

Instrument :

MSVOA_U

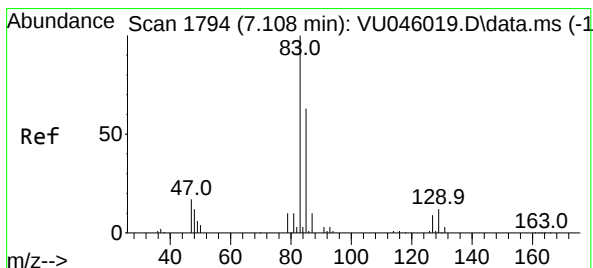
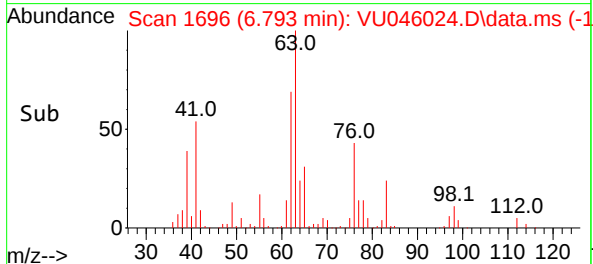
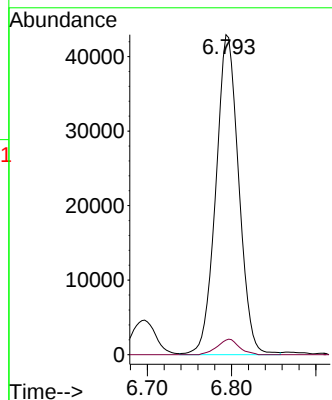
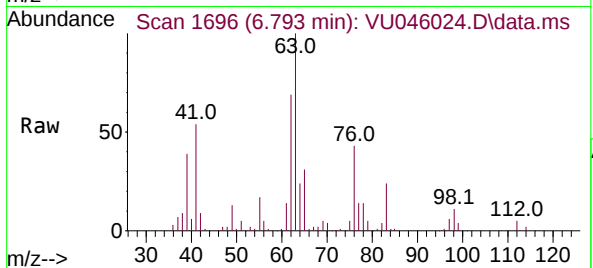
ClientSampleId :

Tgt Ion: 63 Resp: 80955

Ion Ratio Lower Upper

63 100

112 4.6 3.8 5.6



#38

Bromodichloromethane

Concen: 51.158 ug/L

RT: 7.112 min Scan# 1795

Delta R.T. 0.004 min

Lab File: VU046024.D

Acq: 30 Nov 2021 09:51

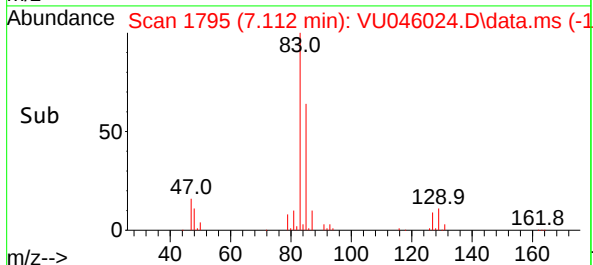
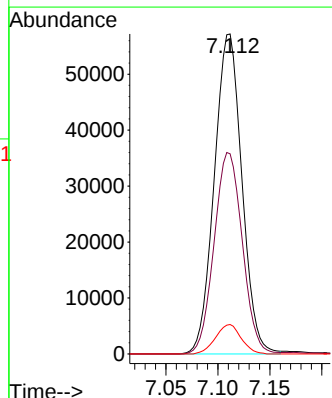
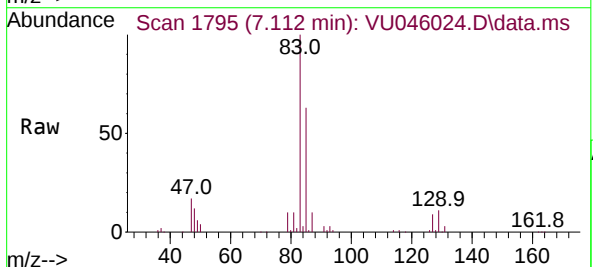
Tgt Ion: 83 Resp: 105824

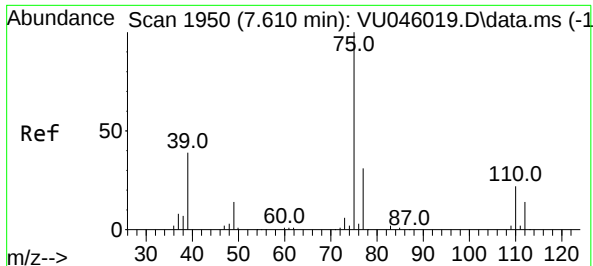
Ion Ratio Lower Upper

83 100

85 62.6 44.4 82.5

127 9.2 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 51.736 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VU046024.D

Acq: 30 Nov 2021 09:51

Instrument :

MSVOA_U

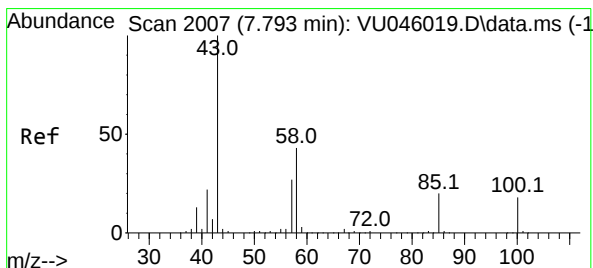
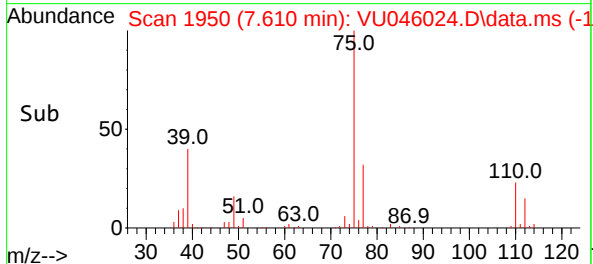
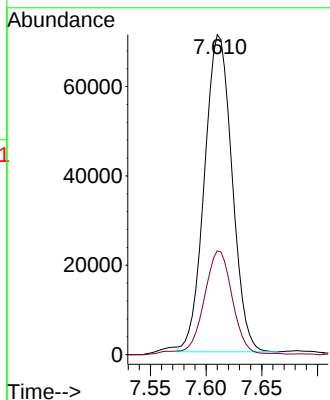
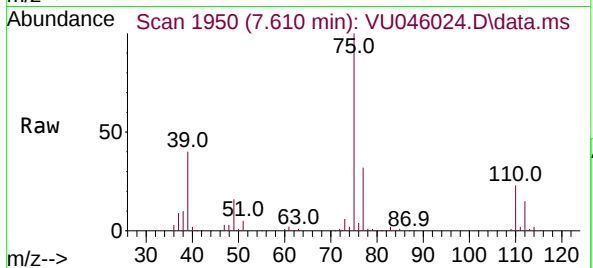
ClientSampleId :

Tgt Ion: 75 Resp: 122489

Ion Ratio Lower Upper

75 100

77 32.5 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 106.698 ug/L

RT: 7.797 min Scan# 2008

Delta R.T. 0.004 min

Lab File: VU046024.D

Acq: 30 Nov 2021 09:51

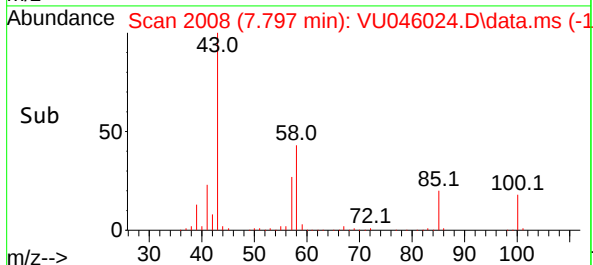
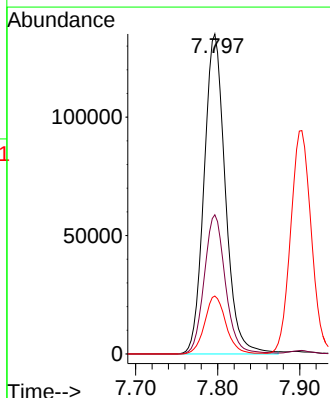
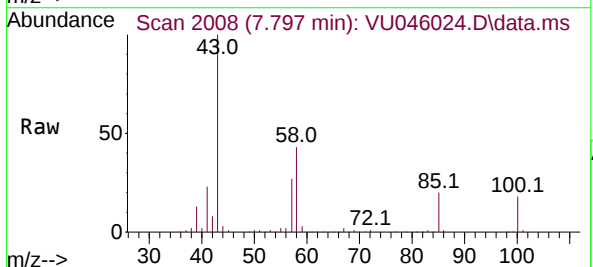
Tgt Ion: 43 Resp: 243975

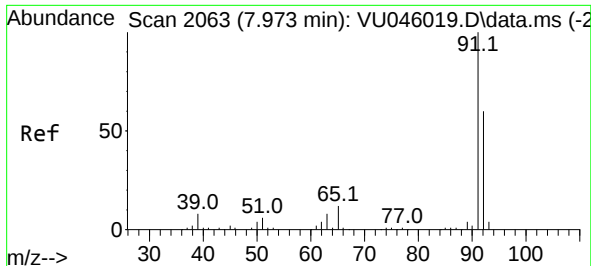
Ion Ratio Lower Upper

43 100

58 43.5 34.2 51.4

100 18.2 14.5 21.7





#42

Toluene

Concen: 52.994 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VU046024.D

Acq: 30 Nov 2021 09:51

Instrument :

MSVOA_U

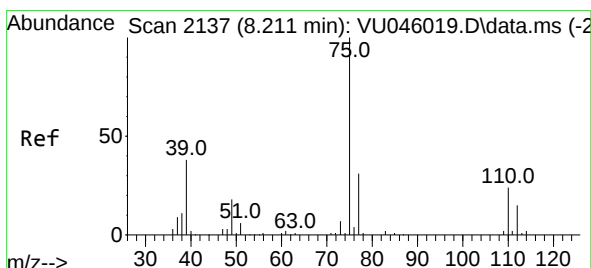
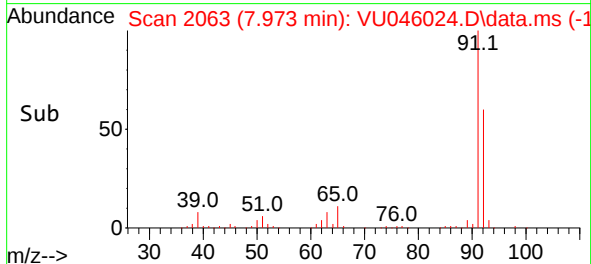
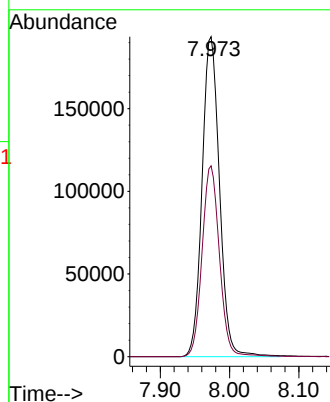
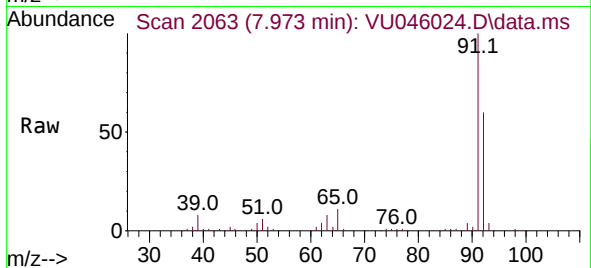
ClientSampleId :

Tgt Ion: 91 Resp: 337835

Ion Ratio Lower Upper

91 100

92 59.6 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 54.036 ug/L

RT: 8.214 min Scan# 2138

Delta R.T. 0.003 min

Lab File: VU046024.D

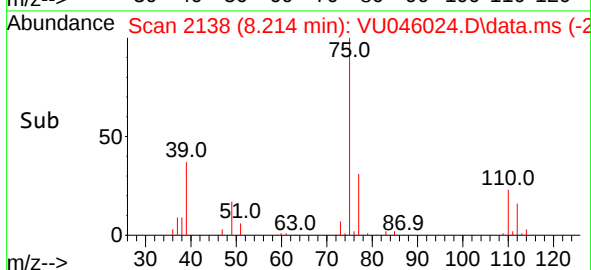
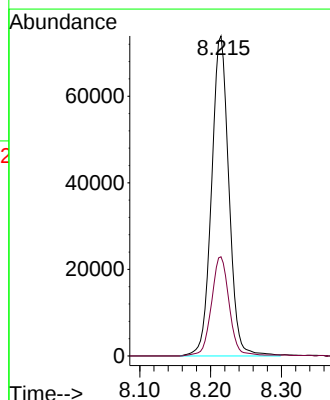
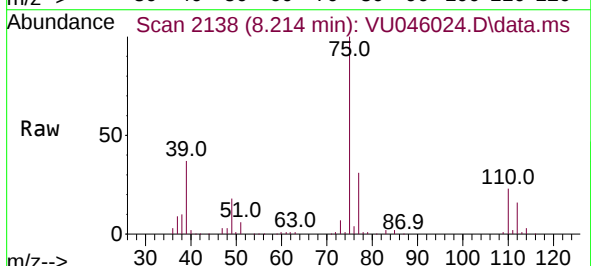
Acq: 30 Nov 2021 09:51

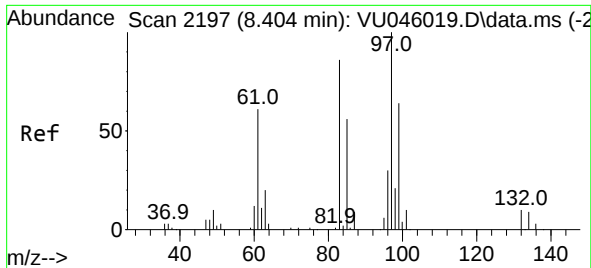
Tgt Ion: 75 Resp: 125654

Ion Ratio Lower Upper

75 100

77 31.0 21.7 40.3

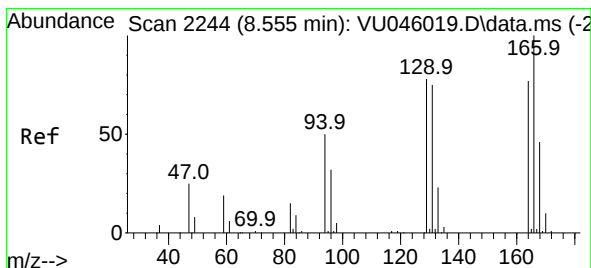
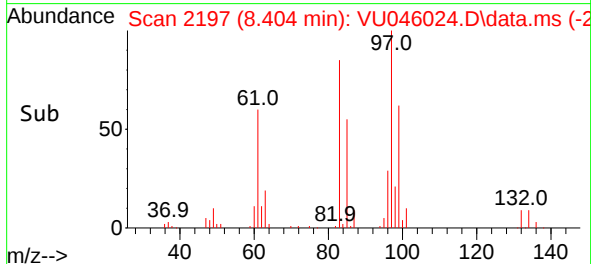
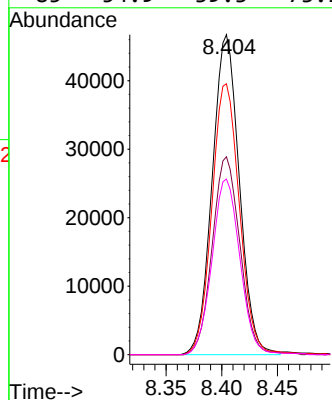
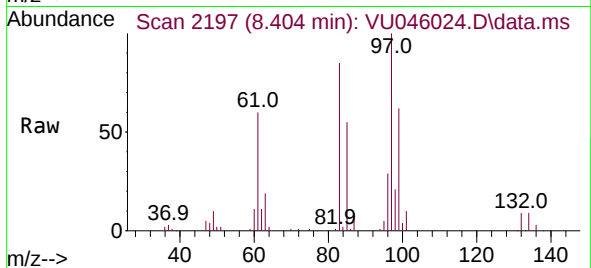




#45
1,1,2-Trichloroethane
Concen: 50.618 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. 0.000 min
Lab File: VU046024.D
Acq: 30 Nov 2021 09:51

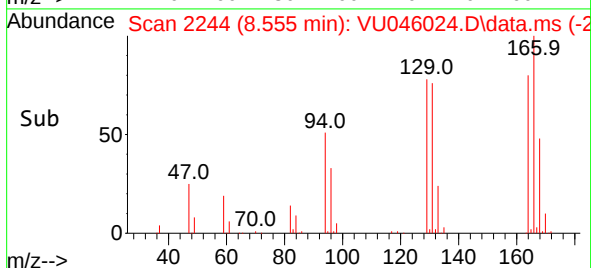
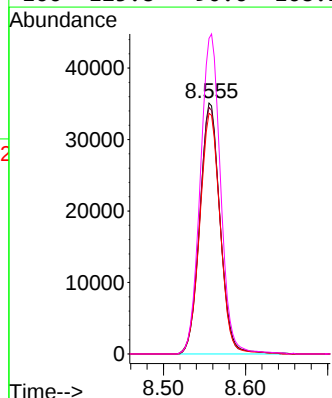
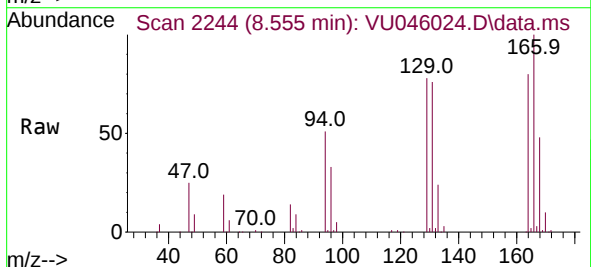
Instrument :
MSVOA_U
ClientSampleId :

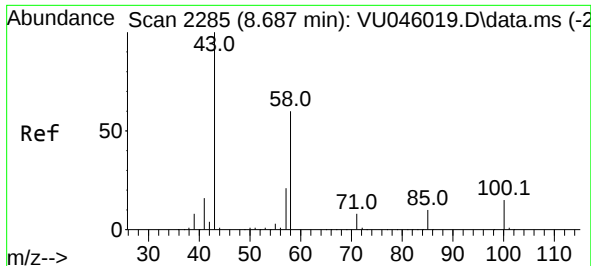
Tgt Ion:	97	Resp:	79033
Ion	Ratio	Lower	Upper
97	100		
99	61.8	44.7	82.9
83	84.7	60.2	111.8
85	54.9	39.3	73.1



#46
Tetrachloroethene
Concen: 52.243 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU046024.D
Acq: 30 Nov 2021 09:51

Tgt Ion:	164	Resp:	60089
Ion	Ratio	Lower	Upper
164	100		
129	98.3	71.1	132.1
131	96.0	67.8	126.0
166	125.8	90.6	168.2

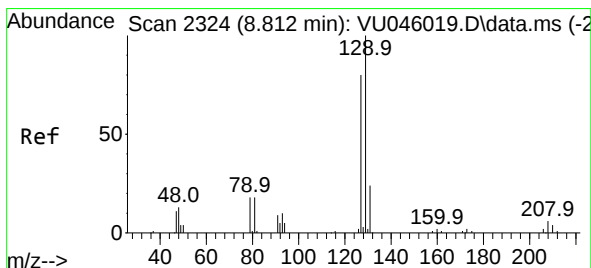
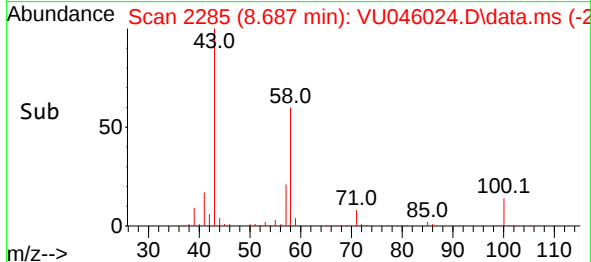
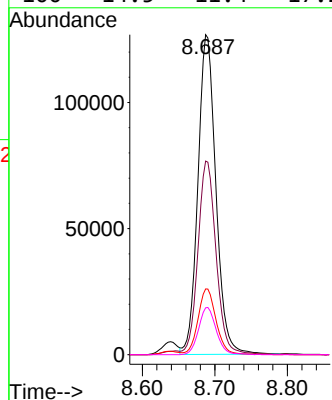
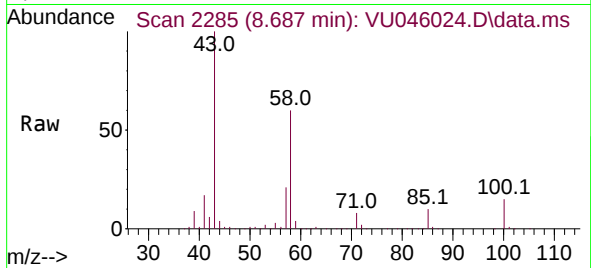




#48
2-Hexanone
Concen: 106.799 ug/L
RT: 8.687 min Scan# 218398
Delta R.T. 0.000 min
Lab File: VU046024.D
Acq: 30 Nov 2021 09:51

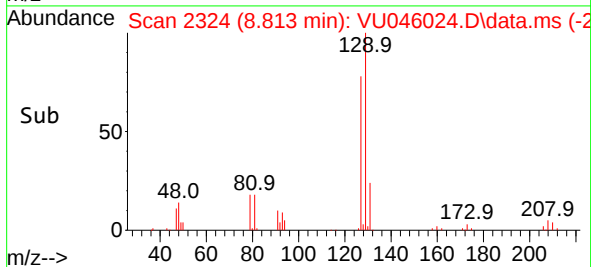
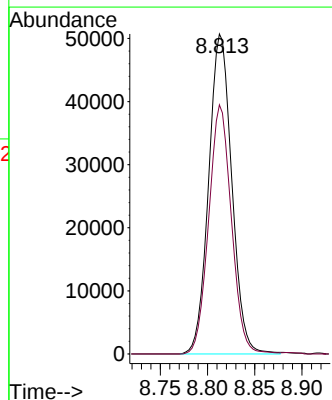
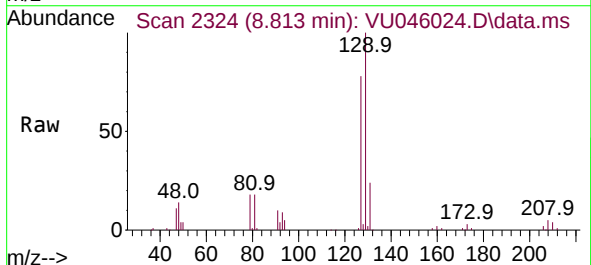
Instrument :
MSVOA_U
ClientSampleId :

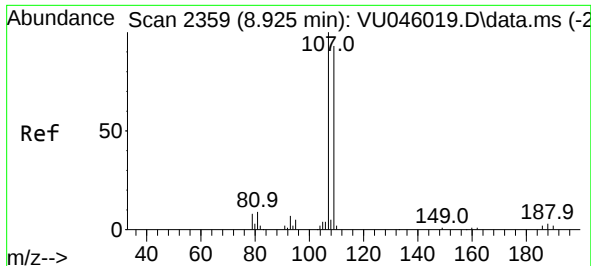
Tgt Ion:	43	Resp:	218398
Ion	Ratio	Lower	Upper
43	100		
58	60.5	47.4	71.2
57	20.6	16.6	25.0
100	14.5	11.4	17.2



#49
Dibromochloromethane
Concen: 52.642 ug/L
RT: 8.813 min Scan# 2324
Delta R.T. 0.001 min
Lab File: VU046024.D
Acq: 30 Nov 2021 09:51

Tgt Ion:	129	Resp:	86313
Ion	Ratio	Lower	Upper
129	100		
127	77.8	55.6	103.4





#50

1,2-Dibromoethane

Concen: 51.551 ug/L

RT: 8.928 min Scan# 21

Delta R.T. 0.003 min

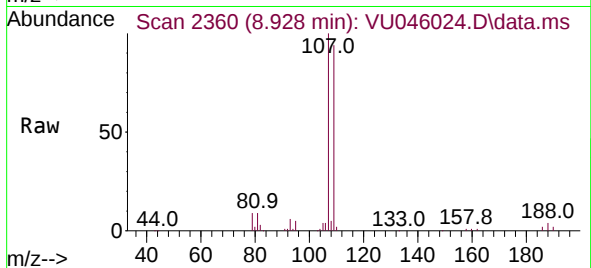
Lab File: VU046024.D

Acq: 30 Nov 2021 09:51

Instrument :

MSVOA_U

ClientSampleId :



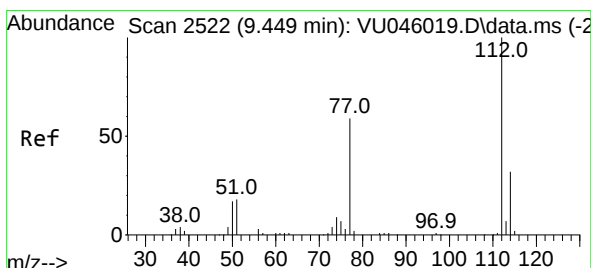
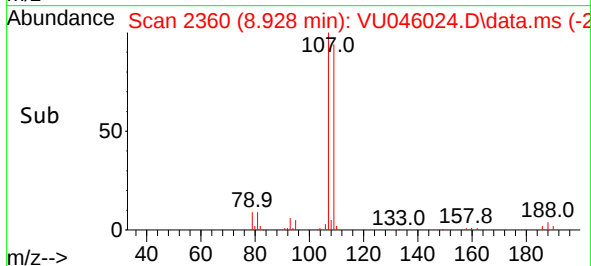
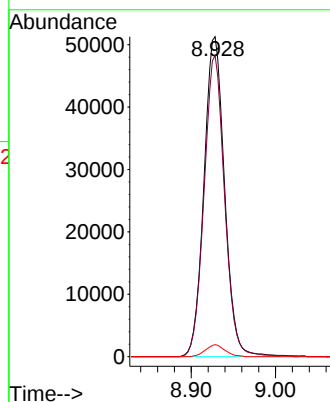
Tgt Ion:107 Resp: 87265

Ion Ratio Lower Upper

107 100

109 94.1 64.9 120.5

188 3.8 2.6 3.8



#51

Chlorobenzene

Concen: 50.783 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. 0.000 min

Lab File: VU046024.D

Acq: 30 Nov 2021 09:51

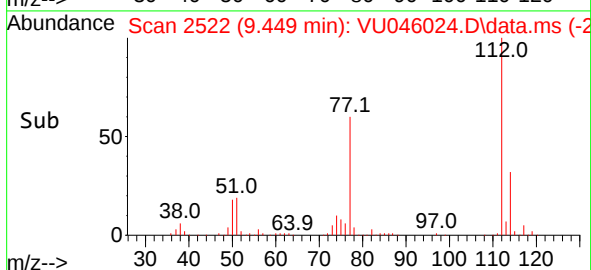
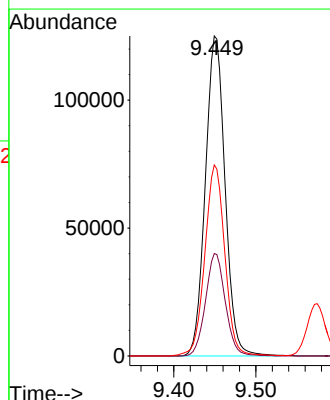
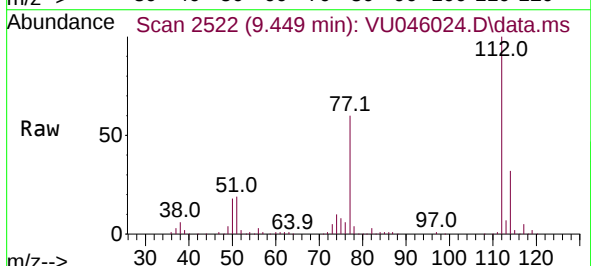
Tgt Ion:112 Resp: 209442

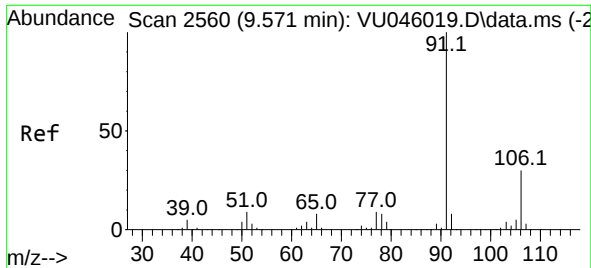
Ion Ratio Lower Upper

112 100

114 32.0 22.2 41.2

77 59.7 47.4 71.0

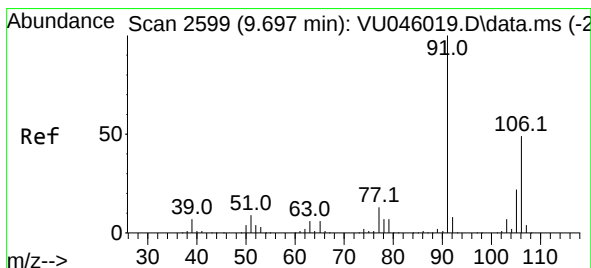
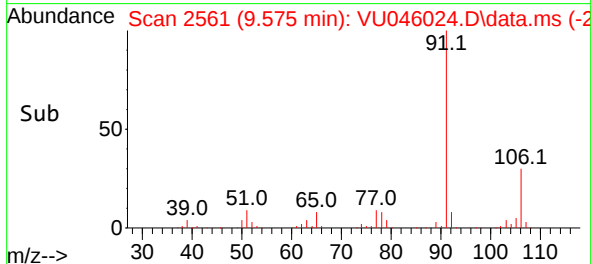
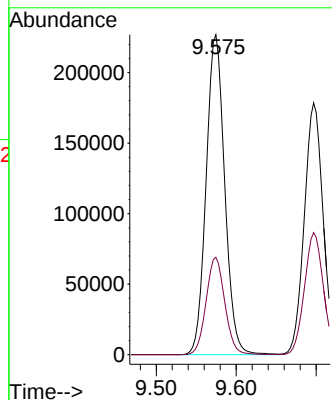
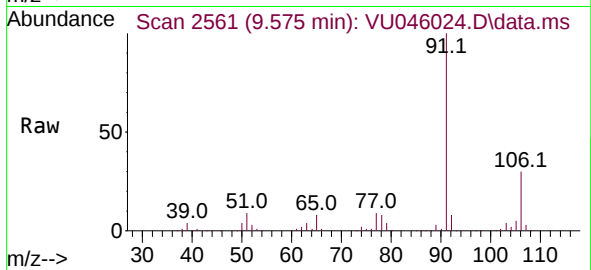




#52
Ethylbenzene
Concen: 53.497 ug/L
RT: 9.575 min Scan# 2560
Delta R.T. 0.004 min
Lab File: VU046024.D
Acq: 30 Nov 2021 09:51

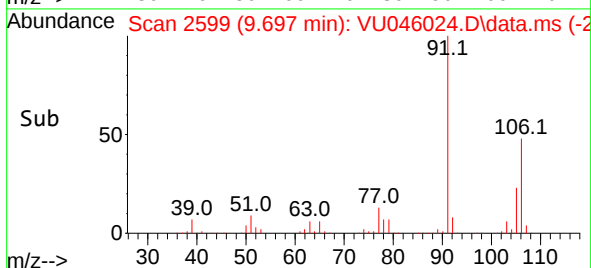
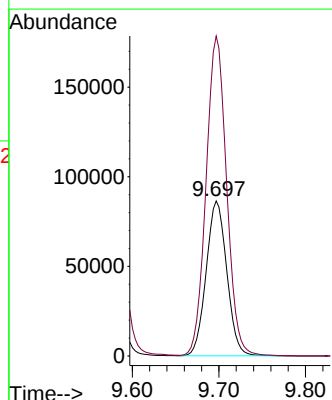
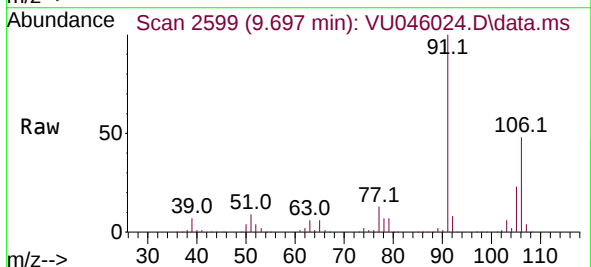
Instrument :
MSVOA_U
ClientSampleId :

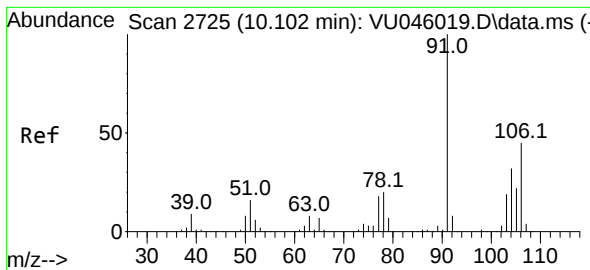
Tgt Ion: 91 Resp: 367028
Ion Ratio Lower Upper
91 100
106 30.5 21.1 39.3



#53
m,p-Xylene
Concen: 53.408 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. -0.000 min
Lab File: VU046024.D
Acq: 30 Nov 2021 09:51

Tgt Ion:106 Resp: 142899
Ion Ratio Lower Upper
106 100
91 206.4 144.3 268.1





#54

o-xylene

Concen: 52.959 ug/L

RT: 10.105 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU046024.D

Acq: 30 Nov 2021 09:51

Instrument :

MSVOA_U

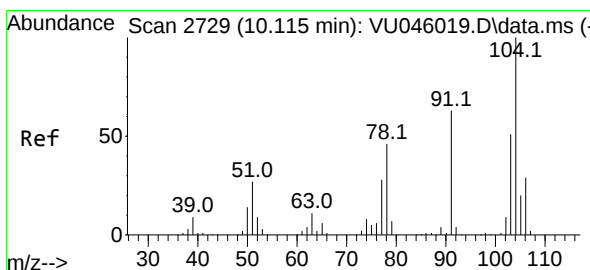
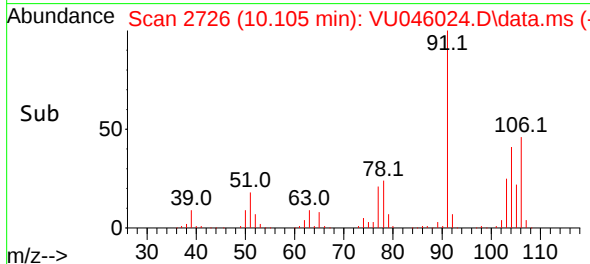
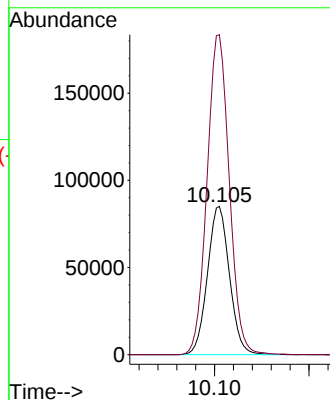
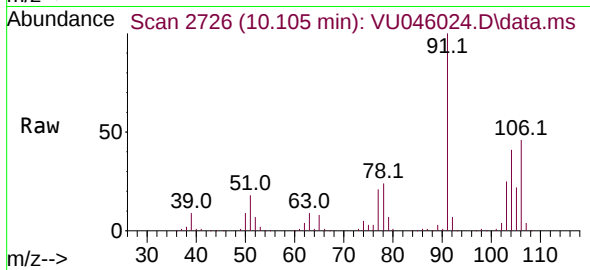
ClientSampleId :

Tgt Ion:106 Resp: 137494

Ion Ratio Lower Upper

106 100

91 215.8 154.2 286.4



#55

Styrene

Concen: 54.327 ug/L

RT: 10.118 min Scan# 2730

Delta R.T. 0.003 min

Lab File: VU046024.D

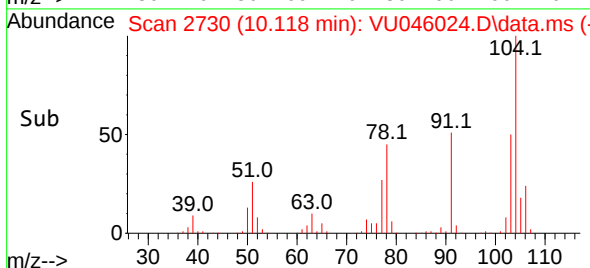
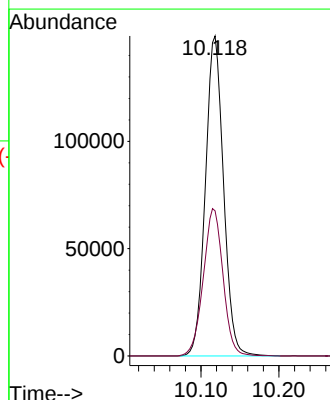
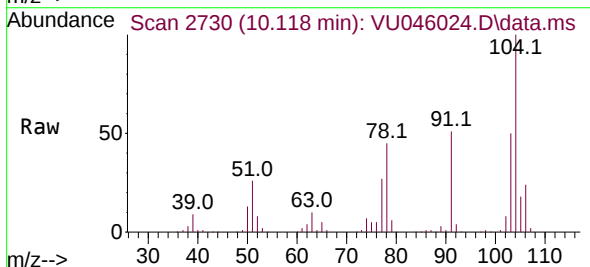
Acq: 30 Nov 2021 09:51

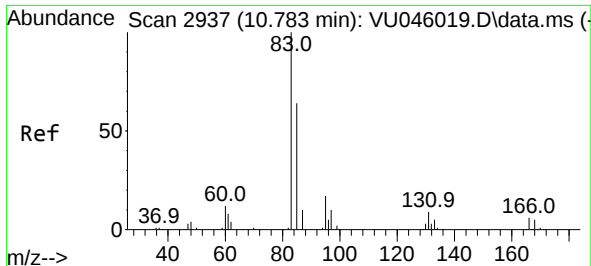
Tgt Ion:104 Resp: 240807

Ion Ratio Lower Upper

104 100

78 45.4 32.6 60.5





#57

1,1,2,2-Tetrachloroethane

Concen: 50.228 ug/L

RT: 10.787 min Scan# 2938

Delta R.T. 0.004 min

Lab File: VU046024.D

Acq: 30 Nov 2021 09:51

Instrument :

MSVOA_U

ClientSampleId :

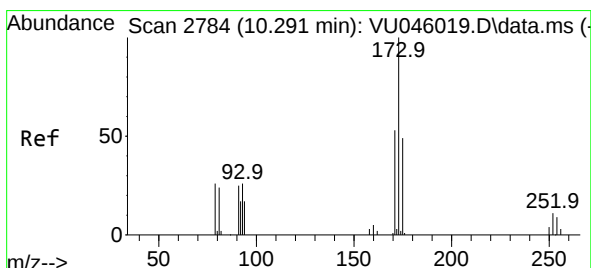
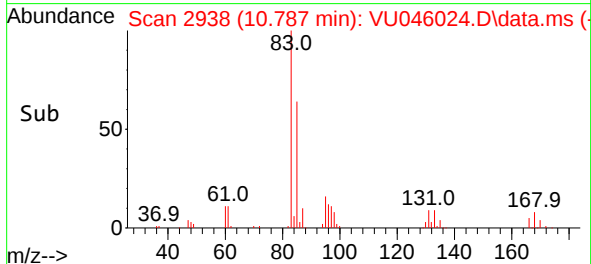
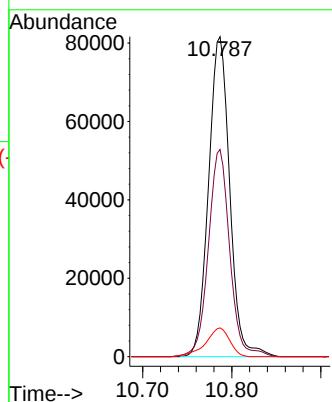
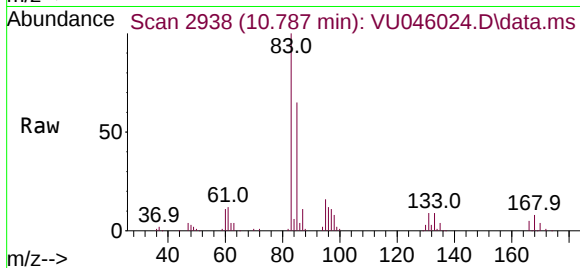
Tgt Ion: 83 Resp: 134455

Ion Ratio Lower Upper

83 100

85 64.7 45.6 84.6

131 9.0 7.8 11.6



#59

Bromoform

Concen: 53.093 ug/L

RT: 10.295 min Scan# 2785

Delta R.T. 0.004 min

Lab File: VU046024.D

Acq: 30 Nov 2021 09:51

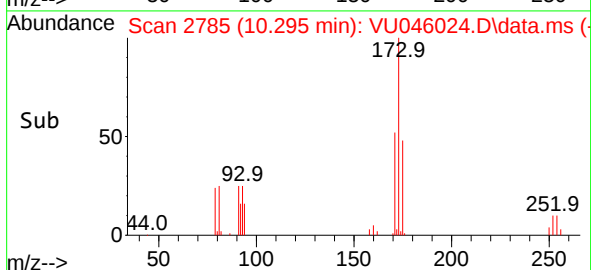
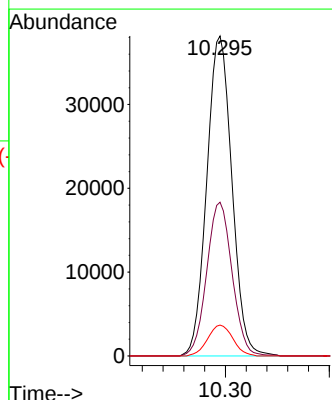
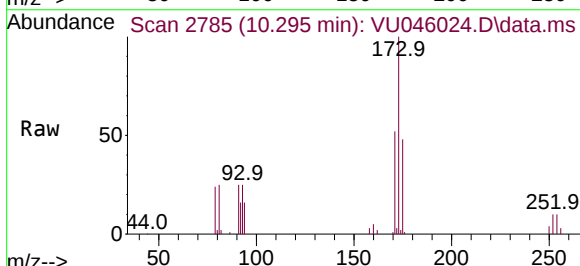
Tgt Ion:173 Resp: 64024

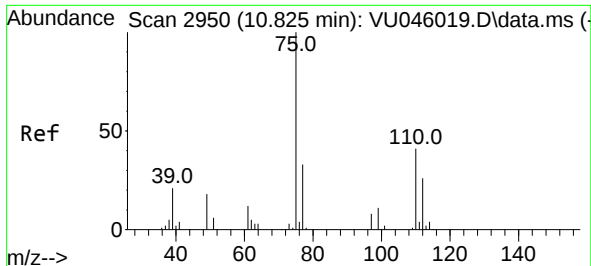
Ion Ratio Lower Upper

173 100

175 48.4 39.2 58.8

254 9.7 7.4 11.2

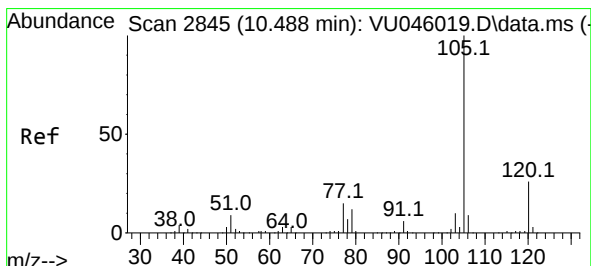
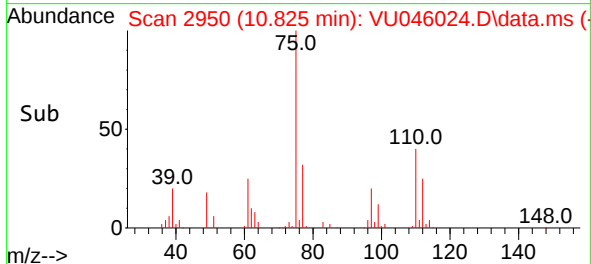
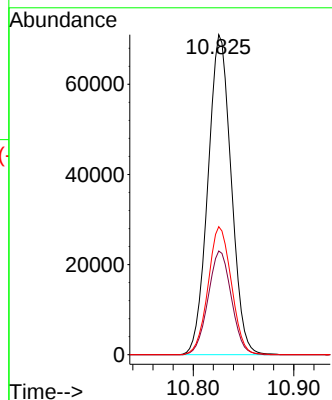
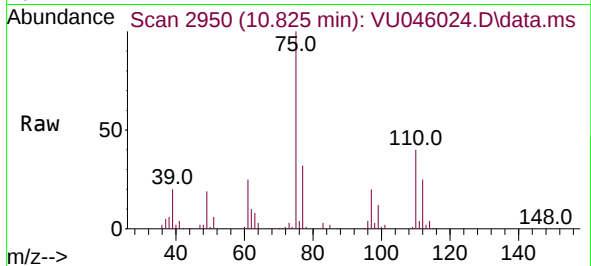




#60
1,2,3-Trichloropropane
Concen: 50.614 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU046024.D
Acq: 30 Nov 2021 09:51

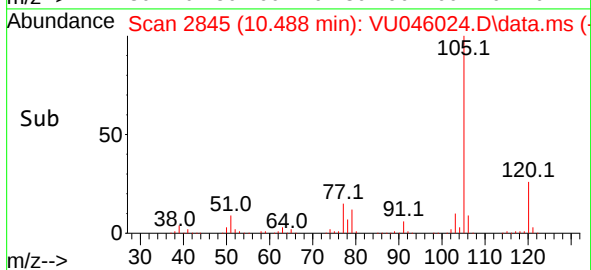
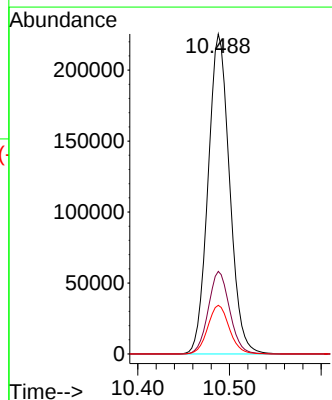
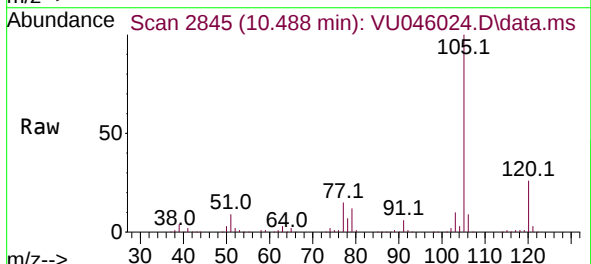
Instrument :
MSVOA_U
ClientSampleId :

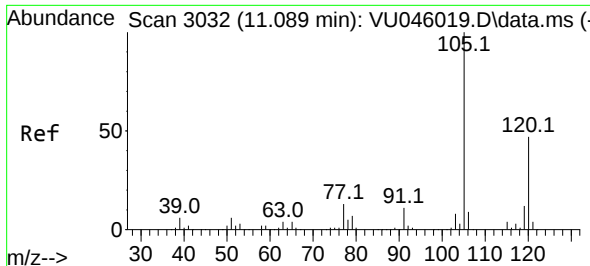
Tgt Ion: 75 Resp: 114051
Ion Ratio Lower Upper
75 100
77 32.4 26.4 39.6
110 40.2 32.4 48.6



#61
Isopropylbenzene
Concen: 54.822 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. -0.000 min
Lab File: VU046024.D
Acq: 30 Nov 2021 09:51

Tgt Ion: 105 Resp: 366658
Ion Ratio Lower Upper
105 100
120 25.6 20.7 31.1
77 15.3 12.2 18.4





#62

1,3,5-Trimethylbenzene

Concen: 56.530 ug/L

RT: 11.092 min Scan# 3032

Delta R.T. 0.003 min

Lab File: VU046024.D

Acq: 30 Nov 2021 09:51

Instrument :

MSVOA_U

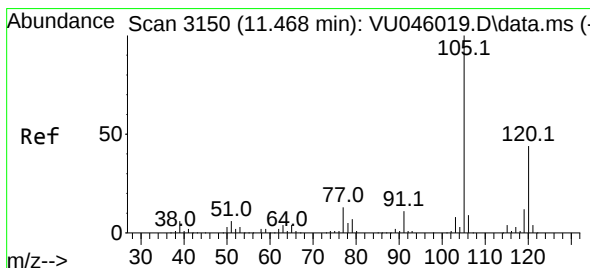
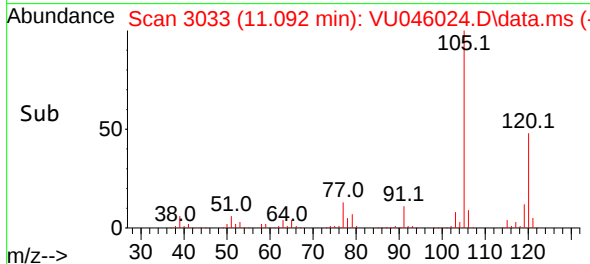
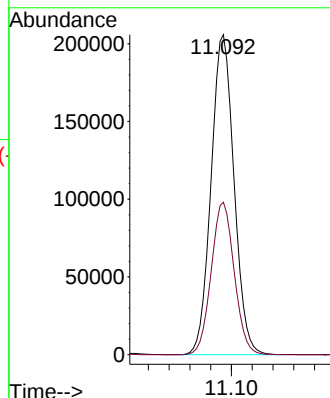
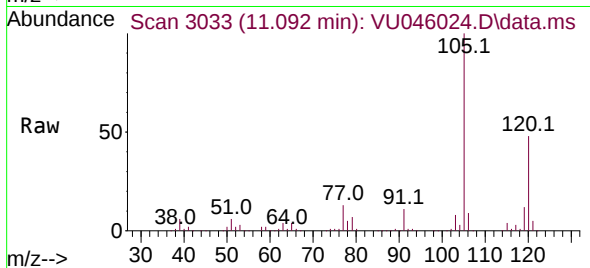
ClientSampleId :

Tgt Ion:105 Resp: 315139

Ion Ratio Lower Upper

105 100

120 47.7 37.8 56.6



#63

1,2,4-Trimethylbenzene

Concen: 56.521 ug/L

RT: 11.472 min Scan# 3151

Delta R.T. 0.004 min

Lab File: VU046024.D

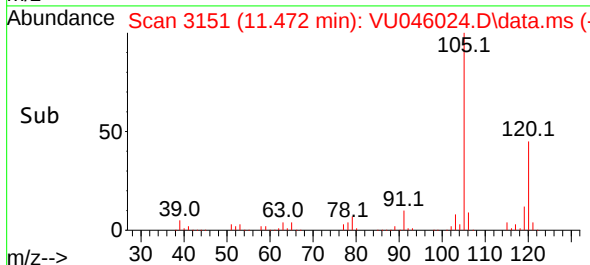
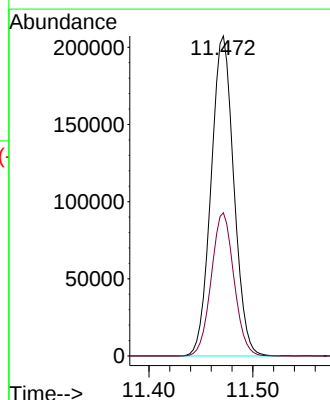
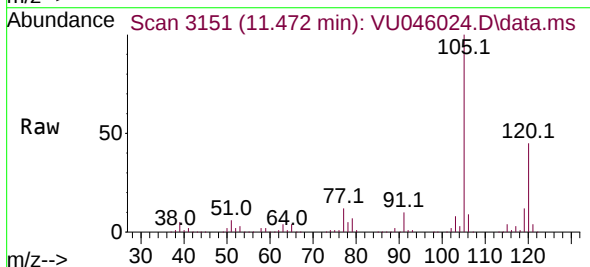
Acq: 30 Nov 2021 09:51

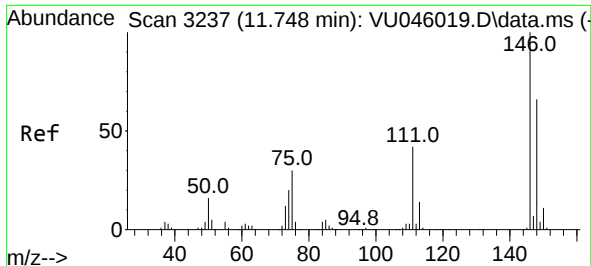
Tgt Ion:105 Resp: 315240

Ion Ratio Lower Upper

105 100

120 44.6 35.2 52.8

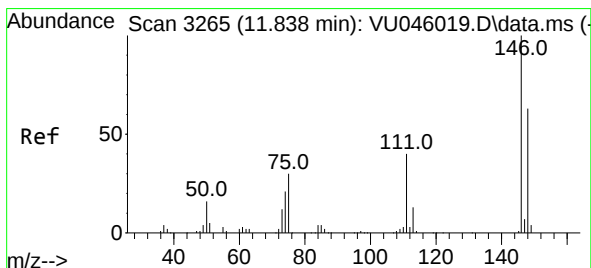
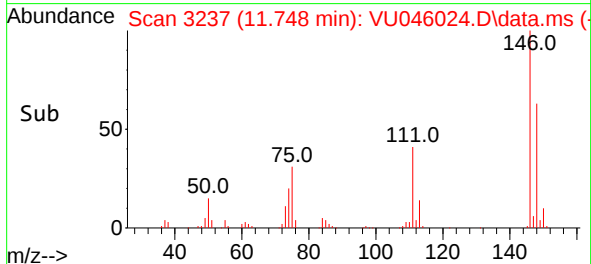
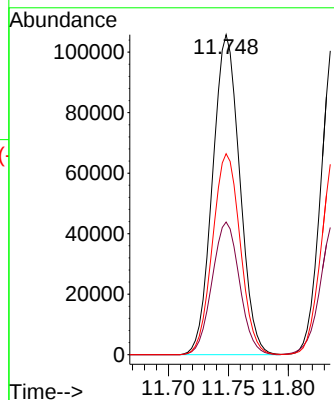
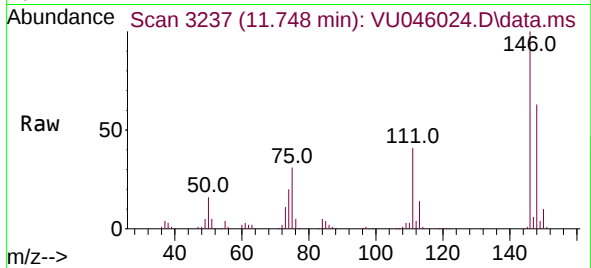




#64
1,3-Dichlorobenzene
Concen: 52.445 ug/L
RT: 11.748 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU046024.D
Acq: 30 Nov 2021 09:51

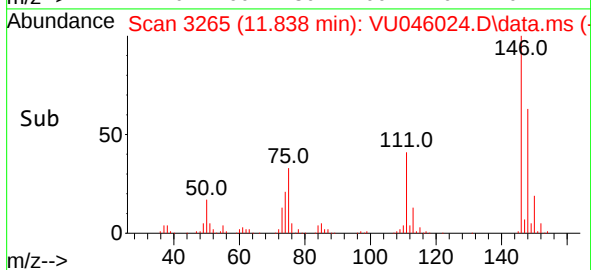
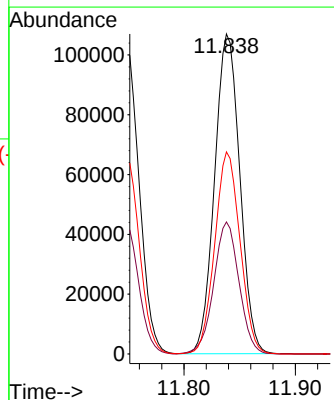
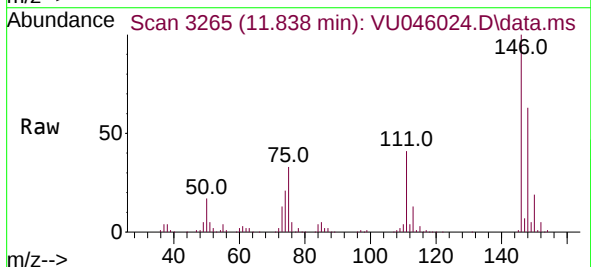
Instrument :
MSVOA_U
ClientSampleId :

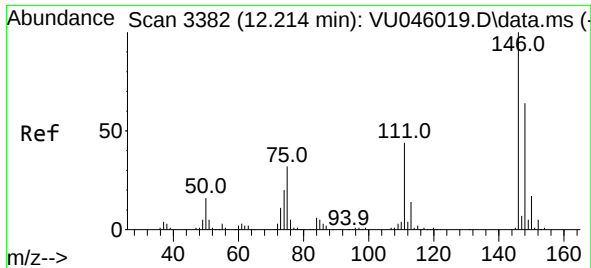
Tgt Ion:146 Resp: 166617
Ion Ratio Lower Upper
146 100
111 41.5 29.5 54.9
148 62.8 45.9 85.3



#65
1,4-Dichlorobenzene
Concen: 51.254 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.000 min
Lab File: VU046024.D
Acq: 30 Nov 2021 09:51

Tgt Ion:146 Resp: 168286
Ion Ratio Lower Upper
146 100
111 41.2 28.3 52.7
148 63.2 43.8 81.3





#67

1,2-Dichlorobenzene

Concen: 51.996 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU046024.D

Acq: 30 Nov 2021 09:51

Instrument :

MSVOA_U

ClientSampleId :

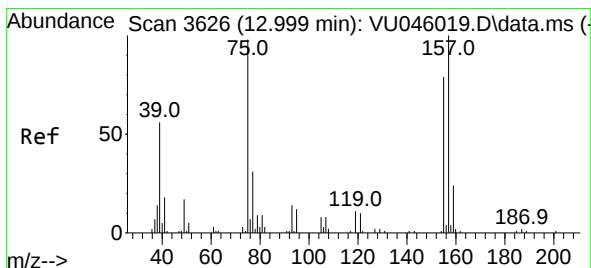
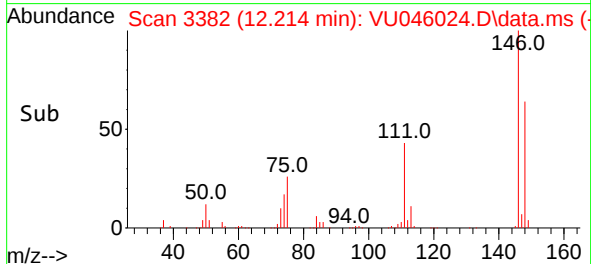
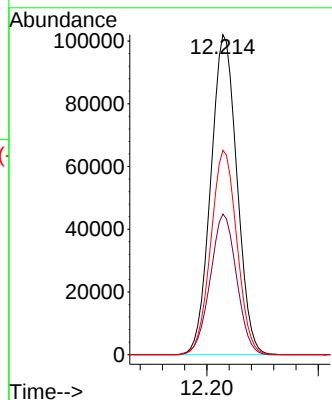
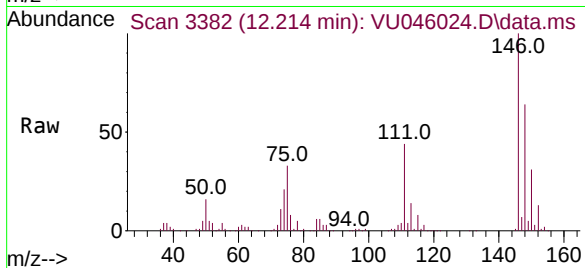
Tgt Ion:146 Resp: 166351

Ion Ratio Lower Upper

146 100

111 43.9 35.7 53.5

148 63.8 51.2 76.8



#68

1,2-Dibromo-3-chloropropane

Concen: 51.900 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. -0.000 min

Lab File: VU046024.D

Acq: 30 Nov 2021 09:51

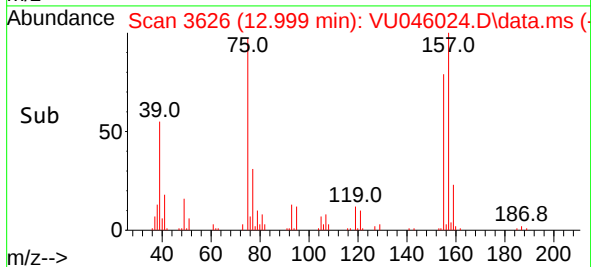
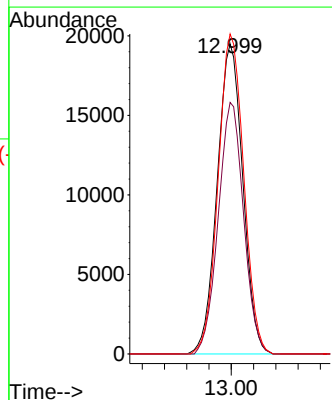
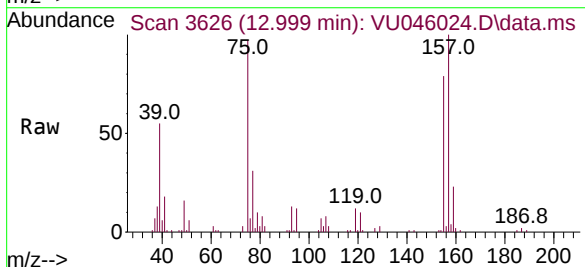
Tgt Ion: 75 Resp: 31155

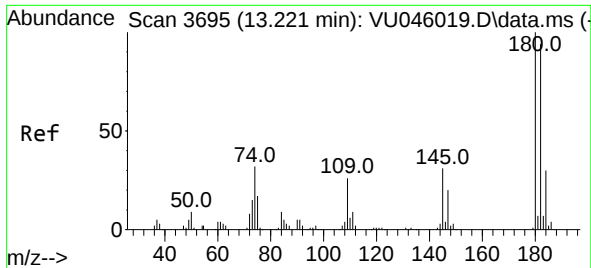
Ion Ratio Lower Upper

75 100

155 81.1 64.9 97.3

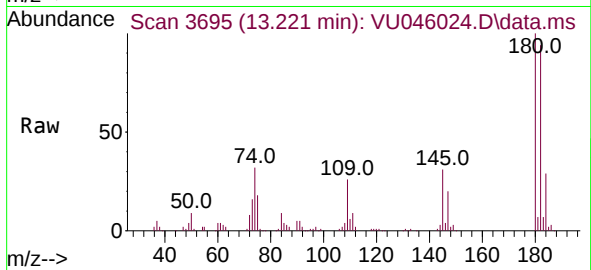
157 103.2 81.9 122.9





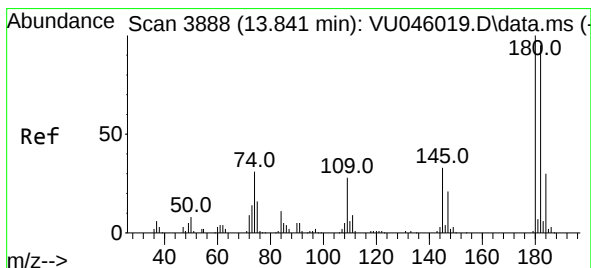
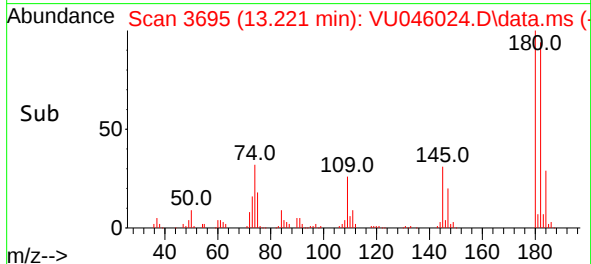
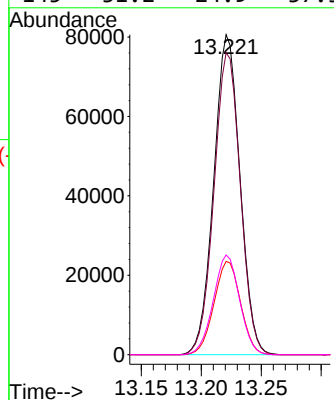
#69
 1,3,5-Trichlorobenzene
 Concen: 52.913 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. -0.000 min
 Lab File: VU046024.D
 Acq: 30 Nov 2021 09:51

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:180 Resp: 122487

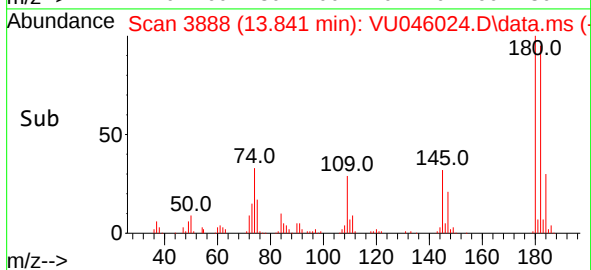
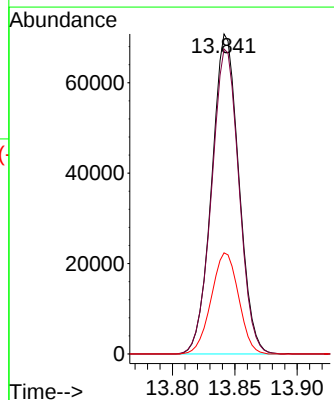
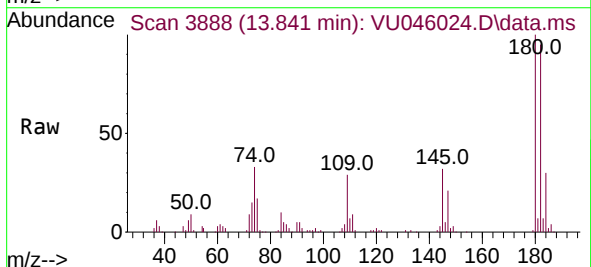
Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.9	113.9
184	29.5	24.2	36.4
145	31.2	24.9	37.3

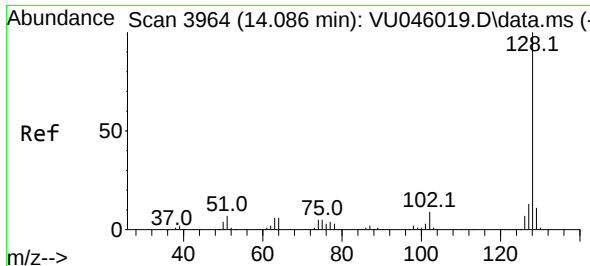


#70
 1,2,4-trichlorobenzene
 Concen: 52.186 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU046024.D
 Acq: 30 Nov 2021 09:51

Tgt Ion:180 Resp: 107200

Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.7	115.1
145	31.9	26.0	39.0

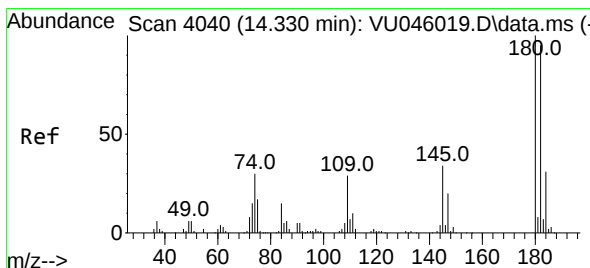
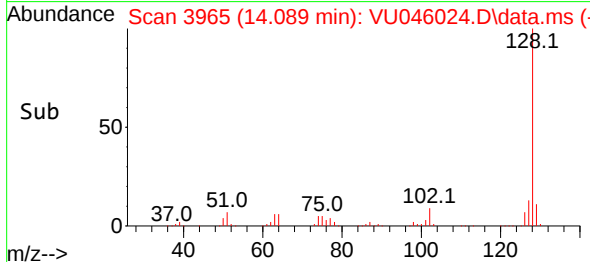
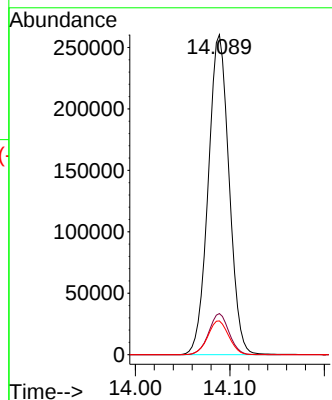
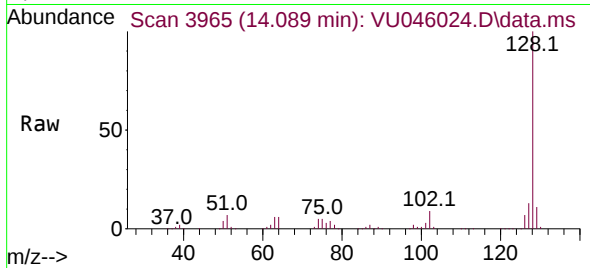




#71
Naphthalene
Concen: 55.804 ug/L
RT: 14.089 min Scan# 3964
Delta R.T. 0.003 min
Lab File: VU046024.D
Acq: 30 Nov 2021 09:51

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 398899
Ion Ratio Lower Upper
128 100
127 12.5 10.1 15.1
129 10.6 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 53.791 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU046024.D
Acq: 30 Nov 2021 09:51

Tgt Ion:180 Resp: 112679
Ion Ratio Lower Upper
180 100
182 95.6 76.0 114.0
145 33.3 27.3 40.9

