

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120221\
 Data File : VU046056.D
 Acq On : 02 Dec 2021 16:42
 Operator : SY/MD
 Sample : M4870-08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 03 05:12:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 03 05:08:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	236049	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	234788	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	121515	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	66436	34.167	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	68.340%
7) Chloroethane-d5	1.915	69	53810	36.043	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	72.080%
11) 1,1-Dichloroethene-d2	2.571	63	95614	27.392	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	54.780%#
21) 2-Butanone-d5	4.632	46	132742	85.876	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.880%
24) Chloroform-d	5.066	84	137618	42.381	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.760%
26) 1,2-Dichloroethane-d4	5.703	65	93302	42.815	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.620%
32) Benzene-d6	5.729	84	290789	43.211	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.420%
36) 1,2-Dichloropropane-d6	6.693	67	93941	45.043	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.080%
41) Toluene-d8	7.899	98	263850	43.063	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.120%
43) trans-1,3-Dichloroprop...	8.179	79	43446	43.154	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.300%
47) 2-Hexanone-d5	8.632	63	92656	93.701	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.700%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	134435	42.504	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.000%
66) 1,2-Dichlorobenzene-d4	12.195	152	107003	45.725	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.440%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	909	0.529	ug/L #	21
13) Acetone	2.645	43	331075	171.378	ug/L	97
20) cis-1,2-Dichloroethene	4.674	96	6918	3.691	ug/L	99
22) 2-Butanone	4.713	43	46678	22.196	ug/L	99
27) 1,2-Dichloroethane	5.796	62	2615	1.010	ug/L #	73
33) Benzene	5.777	78	12854	1.809	ug/L	100
34) Trichloroethene	6.545	95	7362	3.933	ug/L	98
37) 1,2-Dichloropropane	6.693	63	9500	5.103	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	2722	0.961	ug/L #	79
40) 4-Methyl-2-pentanone	7.793	43	15109	5.524	ug/L	97
42) Toluene	7.970	91	24427	3.204	ug/L	96
44) trans-1,3-Dichloropropene	8.182	75	1855	0.667	ug/L	97
52) Ethylbenzene	9.571	91	20029	2.441	ug/L	99
53) m,p-Xylene	9.693	106	28394	8.872	ug/L	98
54) o-xylene	10.102	106	13498	4.347	ug/L	97
55) Styrene	10.114	104	6515	1.229	ug/L	85
61) Isopropylbenzene	10.484	105	7998	1.012	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	8204	1.245	ug/L	97
63) 1,2,4-Trimethylbenzene	11.468	105	28671	4.349	ug/L	99

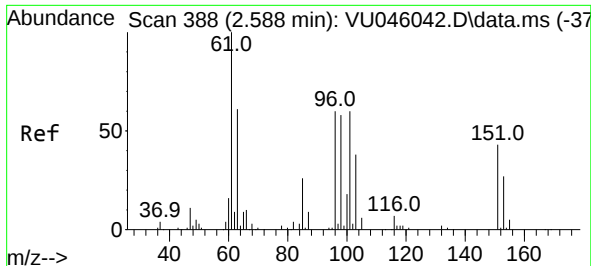
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120221\
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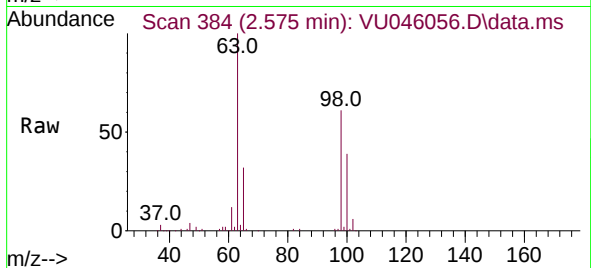
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	12.214	146	3203	0.847	ug/L	91
71) Naphthalene	14.085	128	898188	106.293	ug/L	100

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

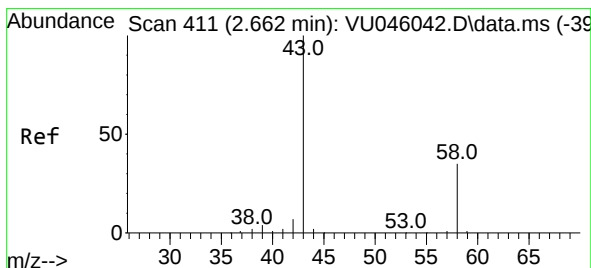
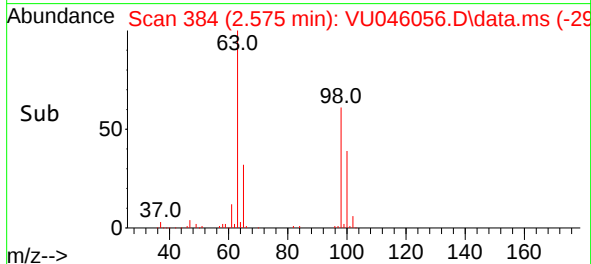
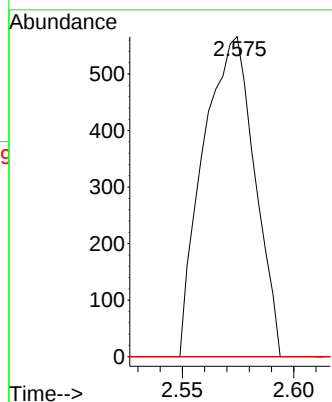


#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.529 ug/L
 RT: 2.575 min Scan# 31
 Delta R.T. -0.013 min
 Lab File: VU046056.D
 Acq: 02 Dec 2021 16:42

Instrument :
 MSVOA_U
 ClientSampleId :

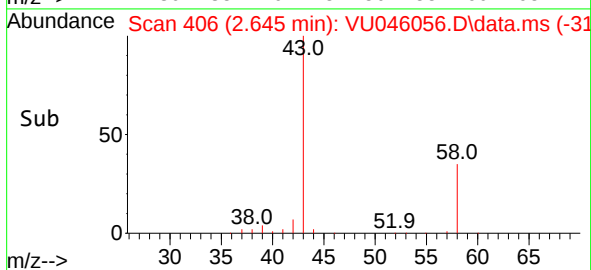
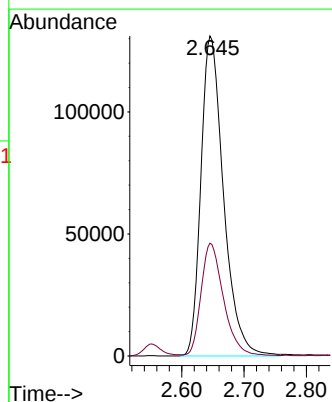
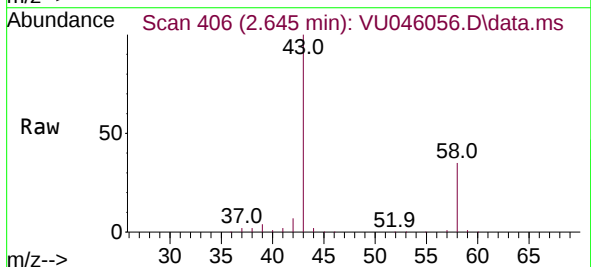


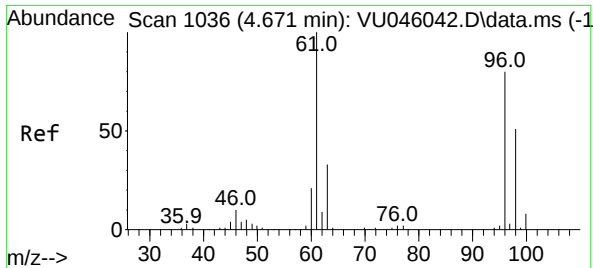
Tgt Ion:101 Resp: 909
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.1 52.7#
 151 0.0 56.7 85.1#



#13
 Acetone
 Concen: 171.378 ug/L
 RT: 2.645 min Scan# 406
 Delta R.T. -0.016 min
 Lab File: VU046056.D
 Acq: 02 Dec 2021 16:42

Tgt Ion: 43 Resp: 331075
 Ion Ratio Lower Upper
 43 100
 58 34.9 0.0 66.8





#20

cis-1,2-Dichloroethene

Concen: 3.691 ug/L

RT: 4.674 min Scan# 1036

Delta R.T. 0.003 min

Lab File: VU046056.D

Acq: 02 Dec 2021 16:42

Instrument :

MSVOA_U

ClientSampleId :

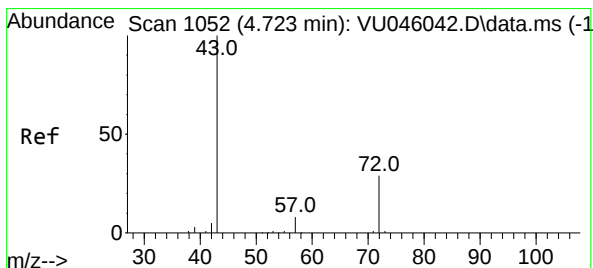
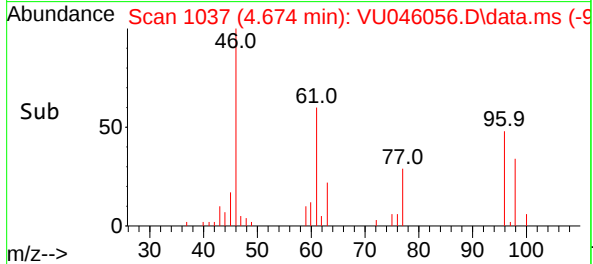
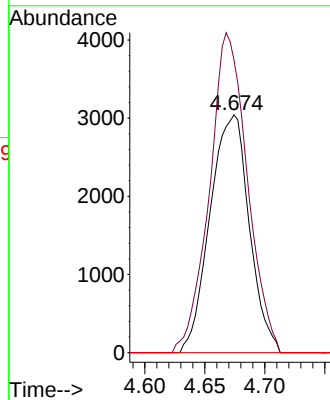
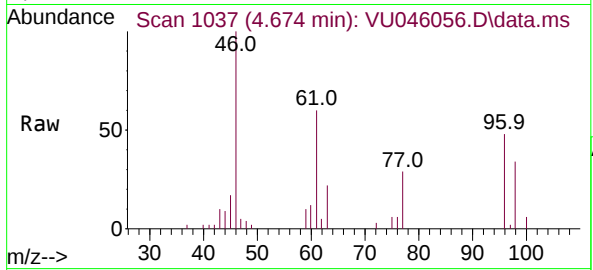
Tgt Ion: 96 Resp: 6918

Ion Ratio Lower Upper

96 100

61 123.2 86.8 161.2

68 0.0 0.0 0.0



#22

2-Butanone

Concen: 22.196 ug/L

RT: 4.713 min Scan# 1049

Delta R.T. -0.010 min

Lab File: VU046056.D

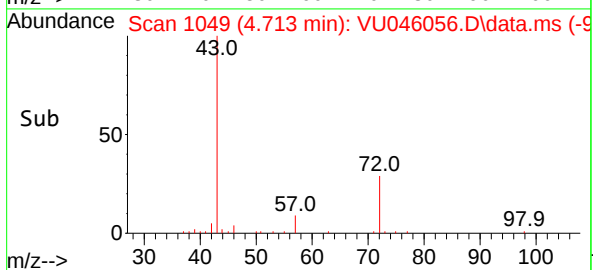
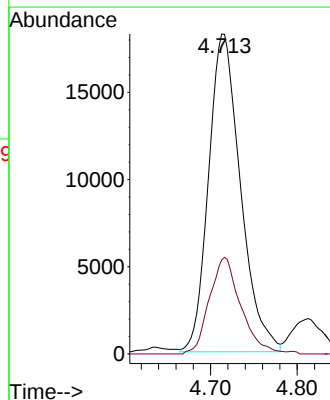
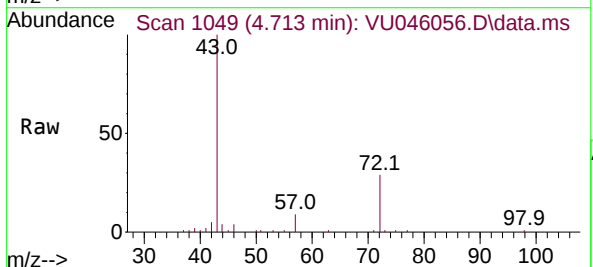
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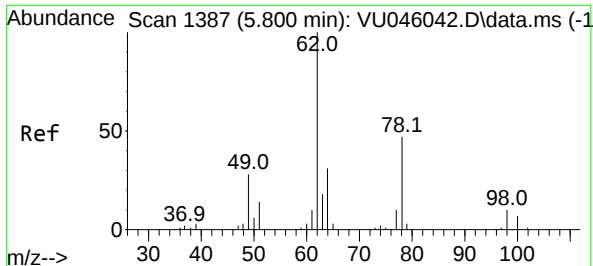
Tgt Ion: 43 Resp: 46678

Ion Ratio Lower Upper

43 100

72 29.9 14.5 43.6





#27

1,2-Dichloroethane

Concen: 1.010 ug/L

RT: 5.796 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU046056.D

Acq: 02 Dec 2021 16:42

Instrument :

MSVOA_U

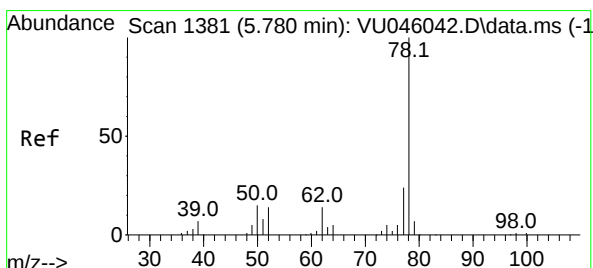
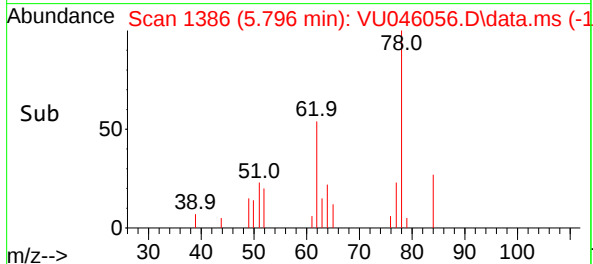
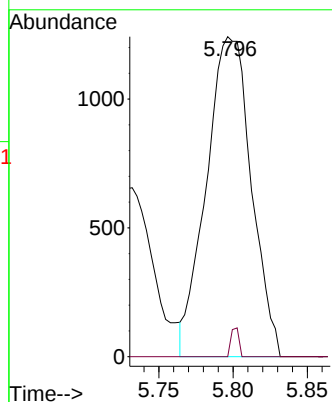
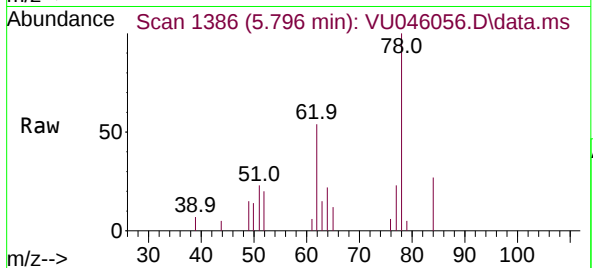
ClientSampleId :

Tgt Ion: 62 Resp: 2615

Ion Ratio Lower Upper

62 100

98 0.0 7.9 11.9#



#33

Benzene

Concen: 1.809 ug/L

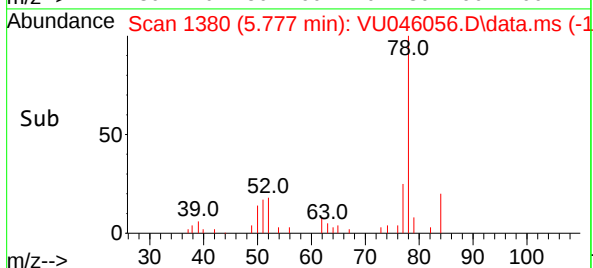
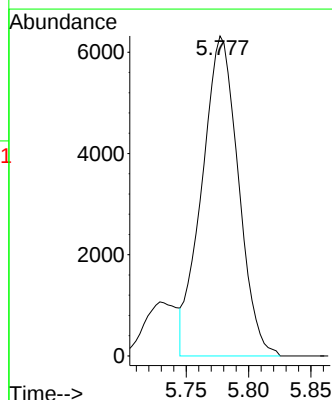
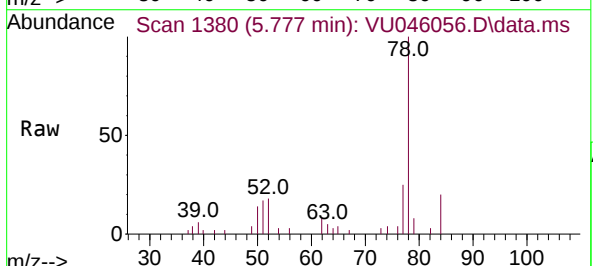
RT: 5.777 min Scan# 1380

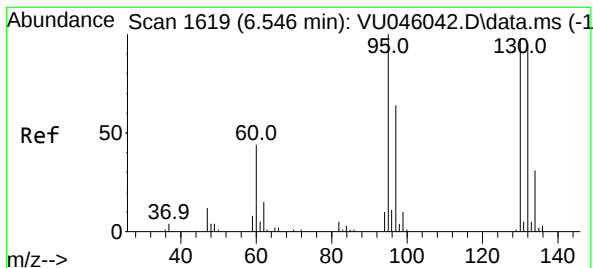
Delta R.T. -0.003 min

Lab File: VU046056.D

Acq: 02 Dec 2021 16:42

Tgt Ion: 78 Resp: 12854





#34

Trichloroethene

Concen: 3.933 ug/L

RT: 6.545 min Scan# 1

Delta R.T. -0.000 min

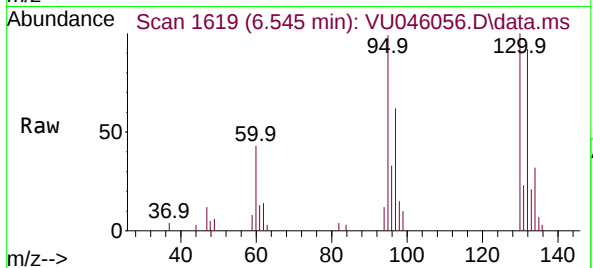
Lab File: VU046056.D

Acq: 02 Dec 2021 16:42

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 95 Resp: 7362

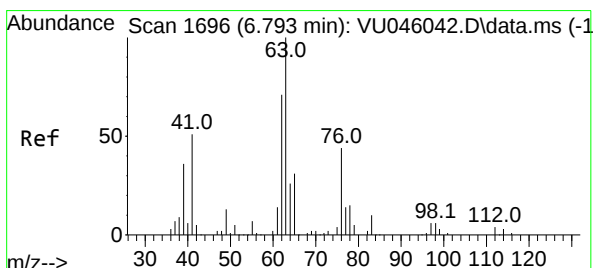
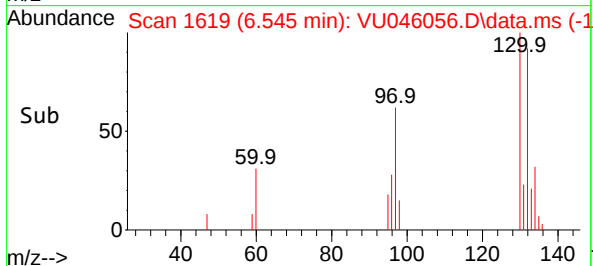
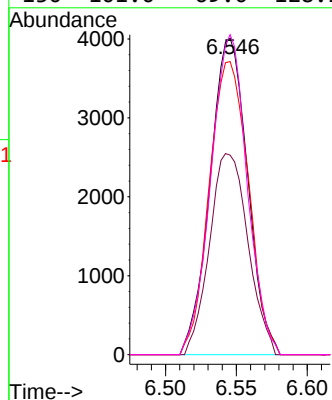
Ion Ratio Lower Upper

95 100

97 63.0 44.1 81.9

132 92.5 66.8 124.0

130 101.0 69.0 128.1



#37

1,2-Dichloropropane

Concen: 5.103 ug/L

RT: 6.693 min Scan# 1665

Delta R.T. -0.100 min

Lab File: VU046056.D

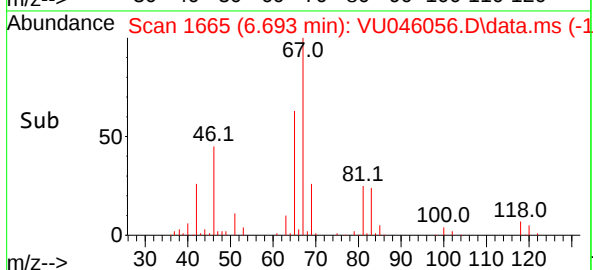
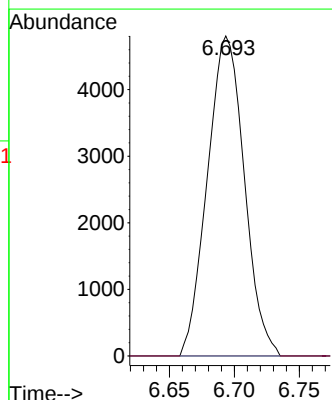
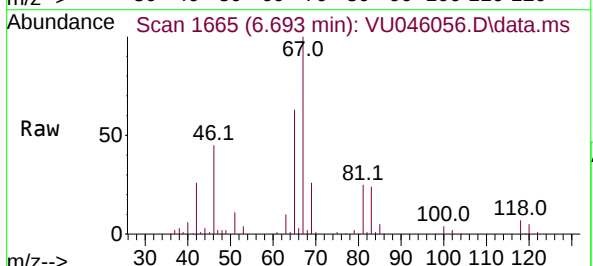
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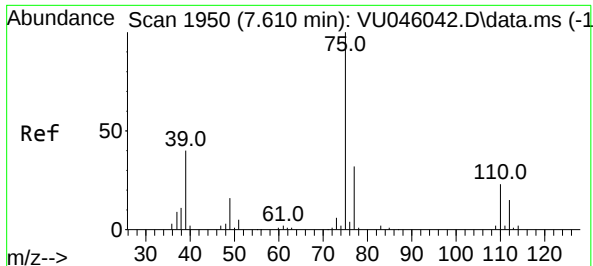
Tgt Ion: 63 Resp: 9500

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 0.961 ug/L

RT: 7.568 min Scan# 1950

Delta R.T. -0.042 min

Lab File: VU046056.D

Acq: 02 Dec 2021 16:42

Instrument :

MSVOA_U

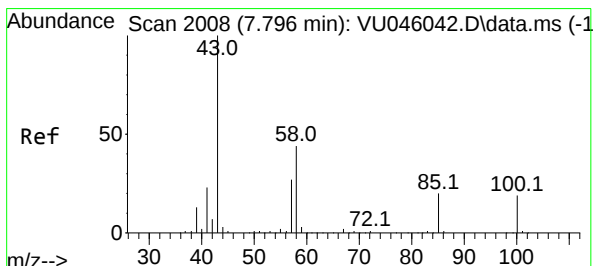
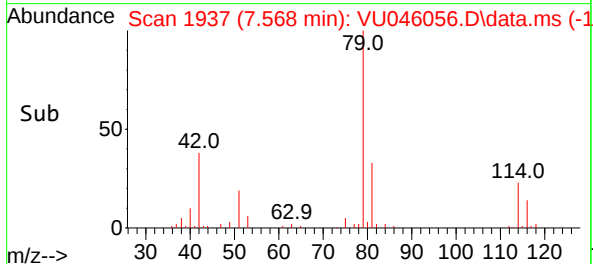
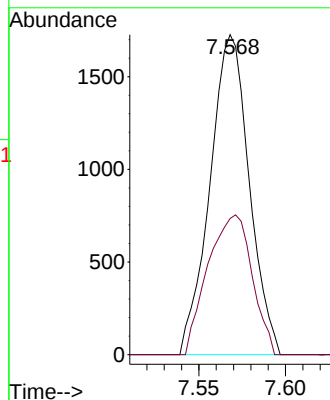
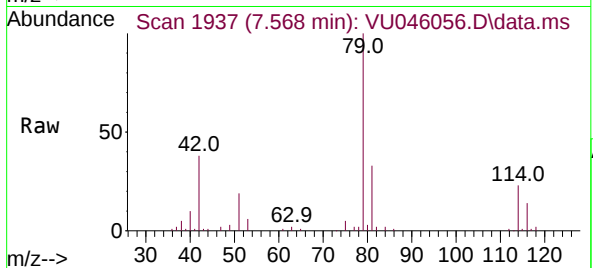
ClientSampleId :

Tgt Ion: 75 Resp: 2722

Ion Ratio Lower Upper

75 100

77 42.6 21.8 40.6#



#40

4-Methyl-2-pentanone

Concen: 5.524 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.003 min

Lab File: VU046056.D

Acq: 02 Dec 2021 16:42

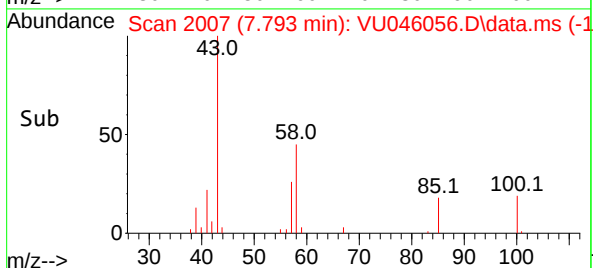
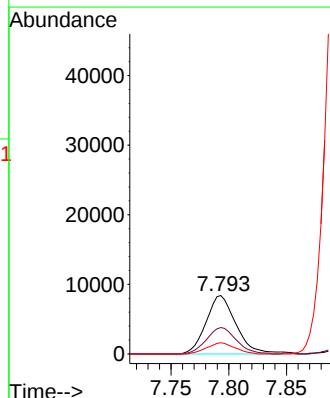
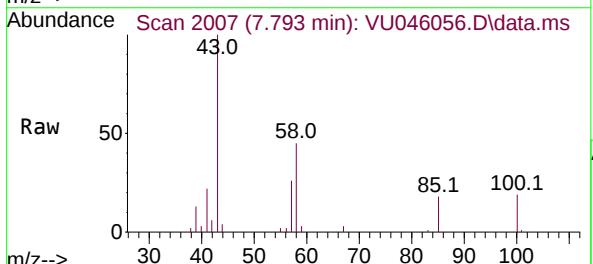
Tgt Ion: 43 Resp: 15109

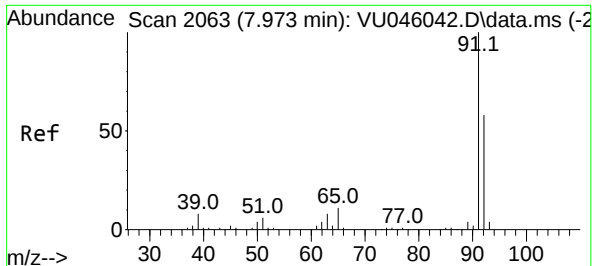
Ion Ratio Lower Upper

43 100

58 45.1 34.2 51.4

100 18.0 14.5 21.7





#42

Toluene

Concen: 3.204 ug/L

RT: 7.970 min Scan# 2063

Delta R.T. -0.003 min

Lab File: VU046056.D

Acq: 02 Dec 2021 16:42

Instrument :

MSVOA_U

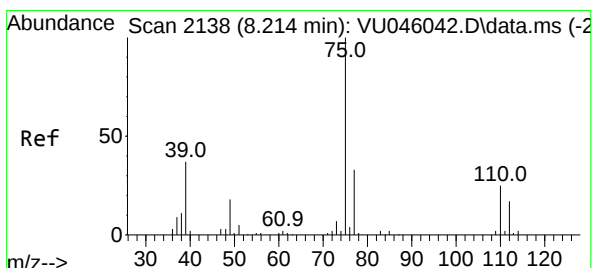
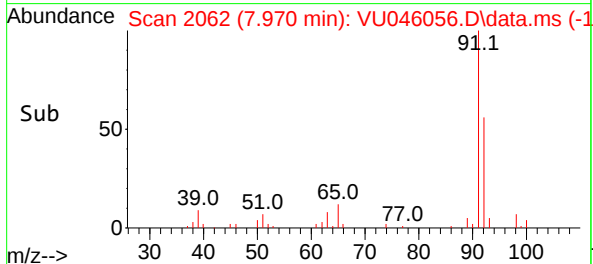
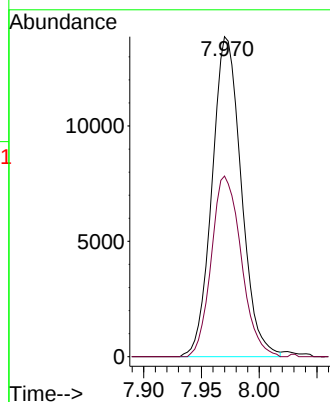
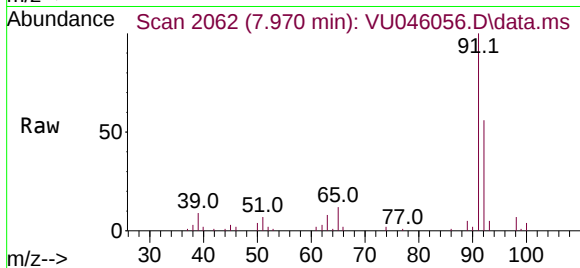
ClientSampleId :

Tgt Ion: 91 Resp: 24427

Ion Ratio Lower Upper

91 100

92 56.5 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 0.667 ug/L

RT: 8.182 min Scan# 2128

Delta R.T. -0.032 min

Lab File: VU046056.D

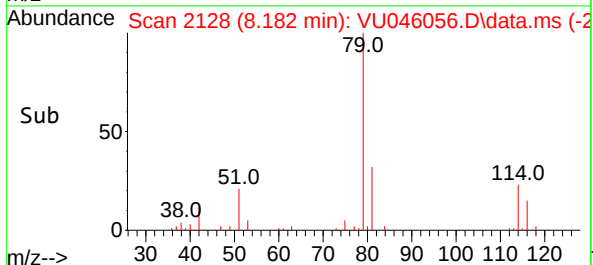
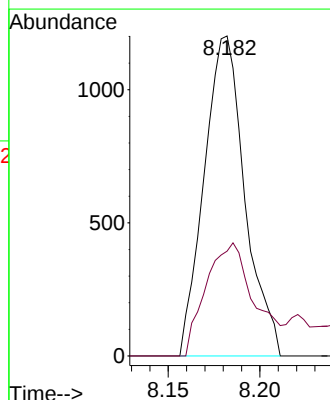
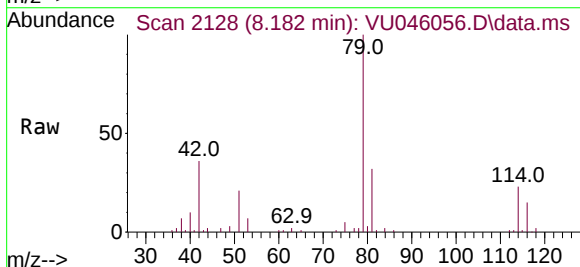
Acq: 02 Dec 2021 16:42

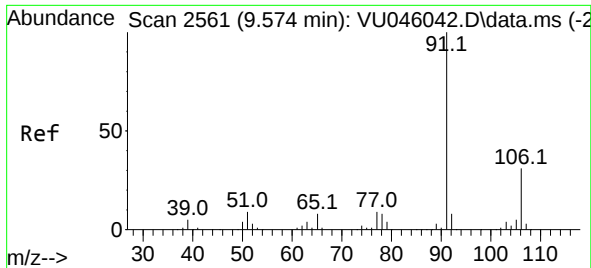
Tgt Ion: 75 Resp: 1855

Ion Ratio Lower Upper

75 100

77 32.8 21.7 40.3

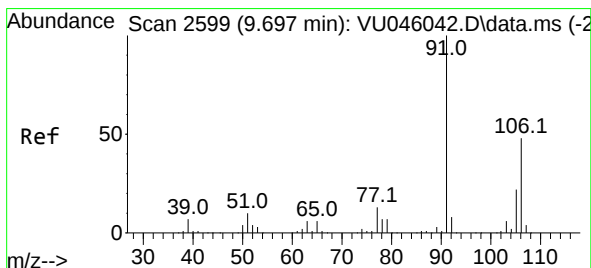
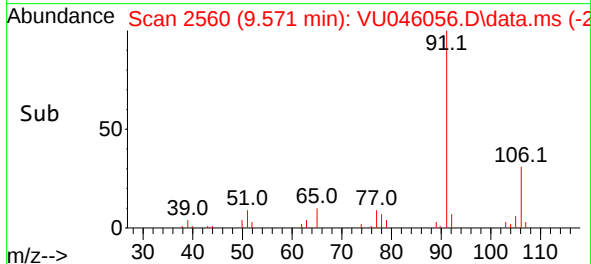
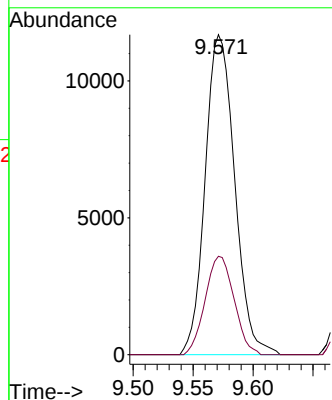
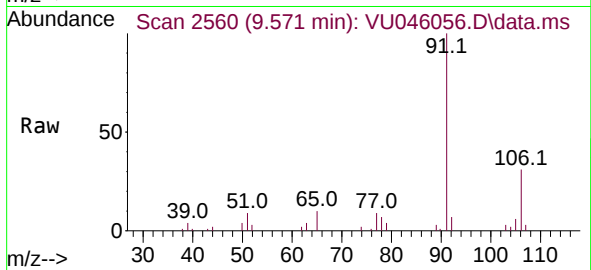




#52
Ethylbenzene
Concen: 2.441 ug/L
RT: 9.571 min Scan# 2561
Delta R.T. -0.003 min
Lab File: VU046056.D
Acq: 02 Dec 2021 16:42

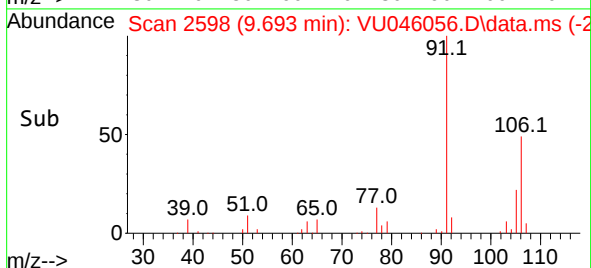
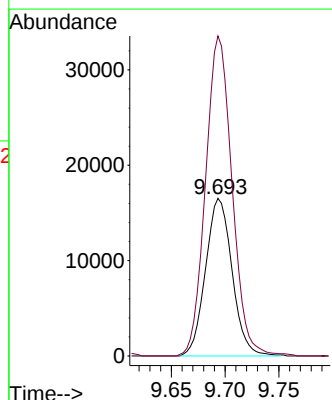
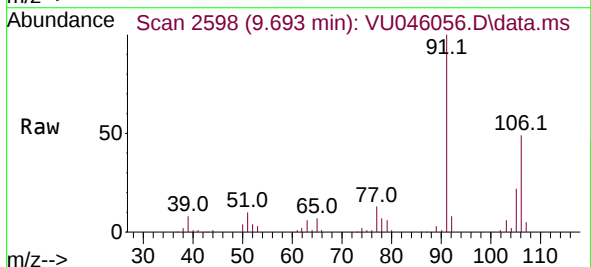
Instrument :
MSVOA_U
ClientSampleId :

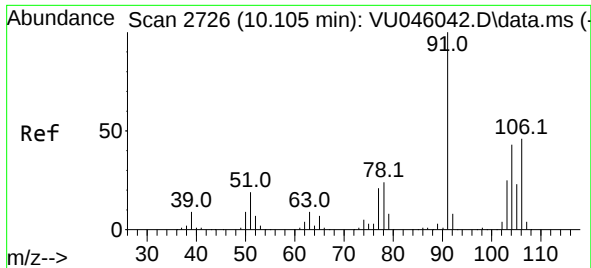
Tgt Ion: 91 Resp: 20029
Ion Ratio Lower Upper
91 100
106 30.7 21.1 39.3



#53
m,p-Xylene
Concen: 8.872 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU046056.D
Acq: 02 Dec 2021 16:42

Tgt Ion: 106 Resp: 28394
Ion Ratio Lower Upper
106 100
91 203.0 144.3 268.1

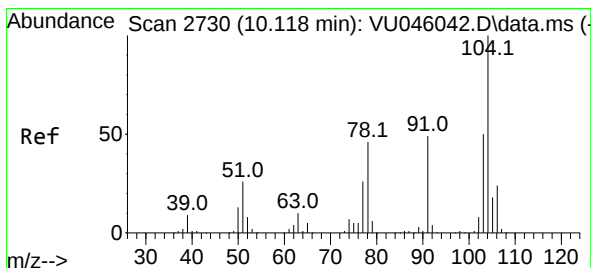
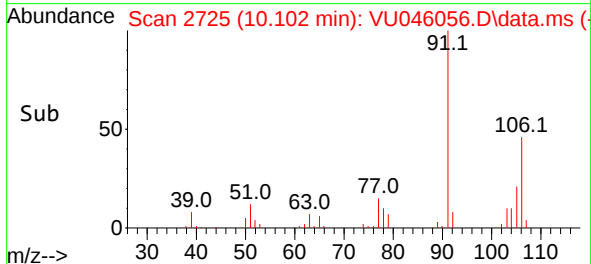
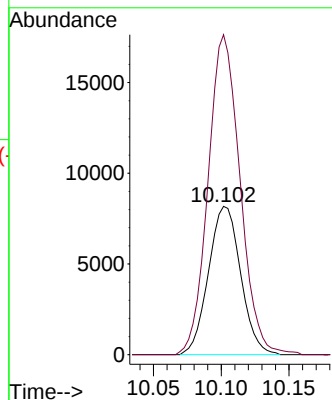
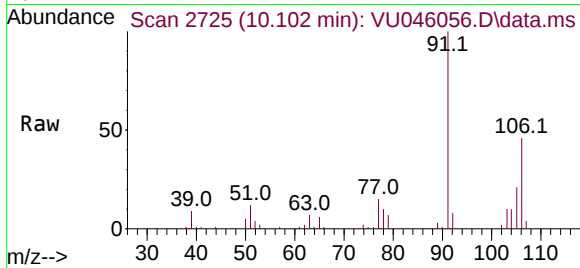




#54
o-xylene
Concen: 4.347 ug/L
RT: 10.102 min Scan# 2726
Delta R.T. -0.003 min
Lab File: VU046056.D
Acq: 02 Dec 2021 16:42

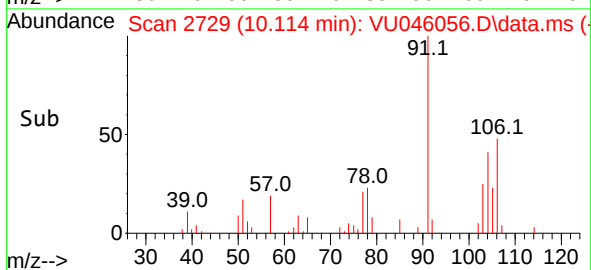
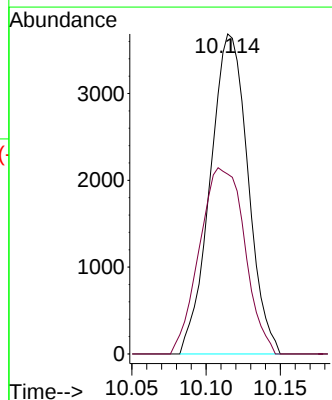
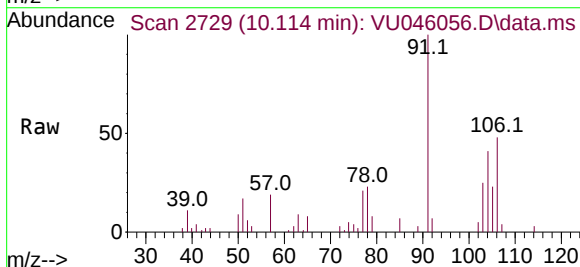
Instrument :
MSVOA_U
ClientSampleId :

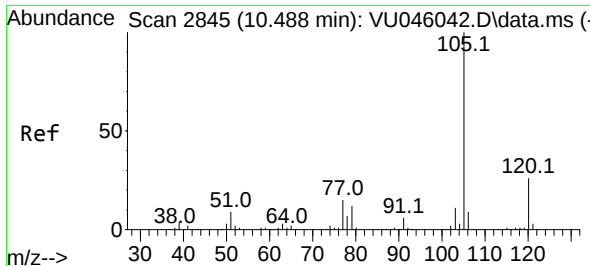
Tgt Ion:106 Resp: 13498
Ion Ratio Lower Upper
106 100
91 215.8 154.2 286.4



#55
Styrene
Concen: 1.229 ug/L
RT: 10.114 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VU046056.D
Acq: 02 Dec 2021 16:42

Tgt Ion:104 Resp: 6515
Ion Ratio Lower Upper
104 100
78 56.2 32.6 60.5

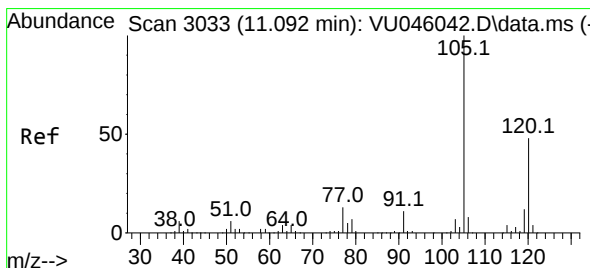
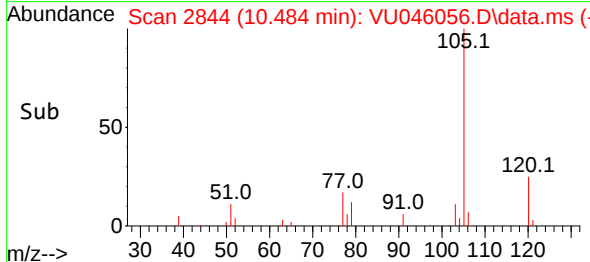
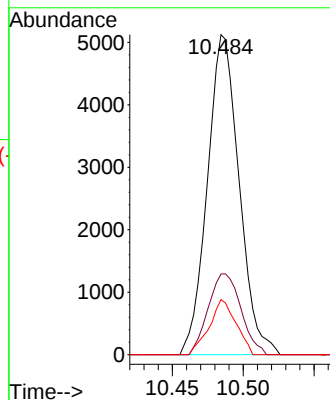
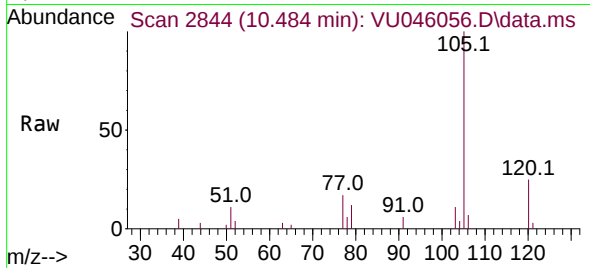




#61
Isopropylbenzene
Concen: 1.012 ug/L
RT: 10.484 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU046056.D
Acq: 02 Dec 2021 16:42

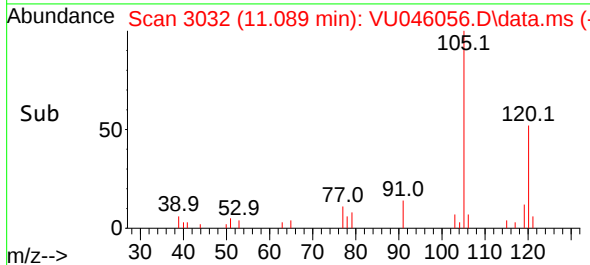
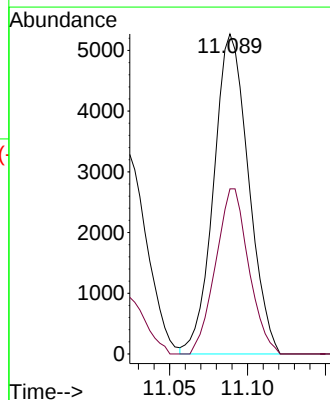
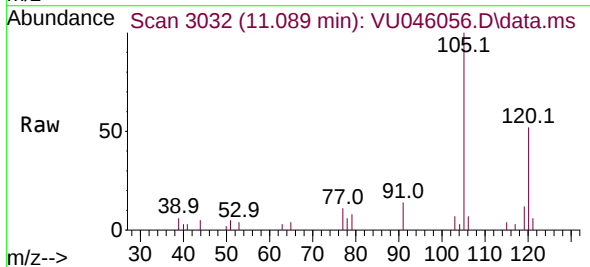
Instrument :
MSVOA_U
ClientSampleId :

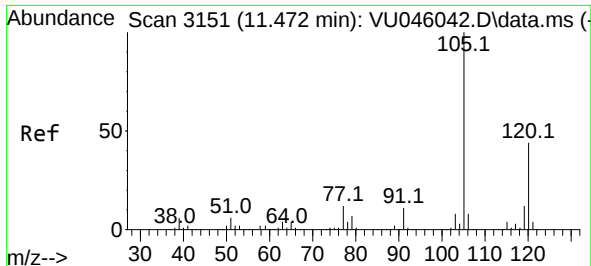
Tgt Ion:105 Resp: 7998
Ion Ratio Lower Upper
105 100
120 26.0 20.7 31.1
77 14.5 12.2 18.4



#62
1,3,5-Trimethylbenzene
Concen: 1.245 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. -0.003 min
Lab File: VU046056.D
Acq: 02 Dec 2021 16:42

Tgt Ion:105 Resp: 8204
Ion Ratio Lower Upper
105 100
120 49.0 37.8 56.6

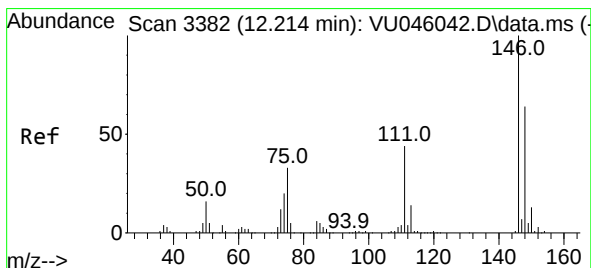
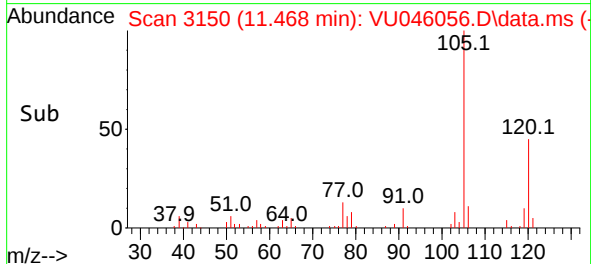
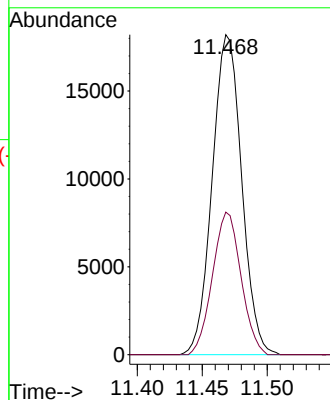
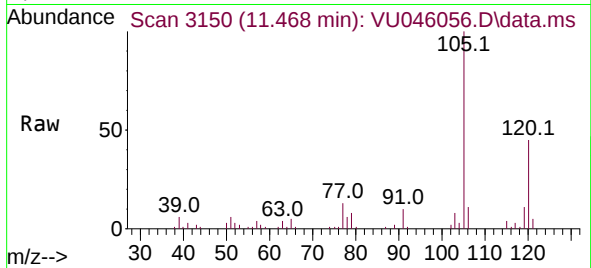




#63
1,2,4-Trimethylbenzene
Concen: 4.349 ug/L
RT: 11.468 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VU046056.D
Acq: 02 Dec 2021 16:42

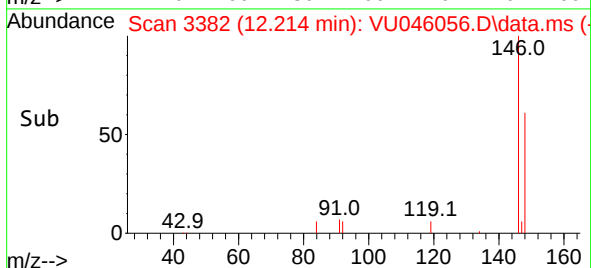
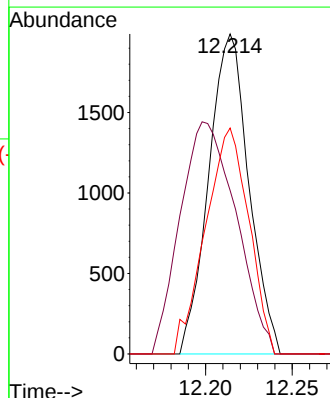
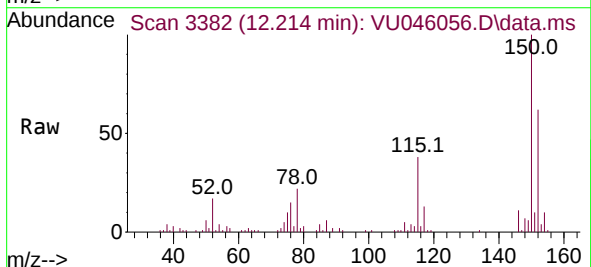
Instrument :
MSVOA_U
ClientSampleId :

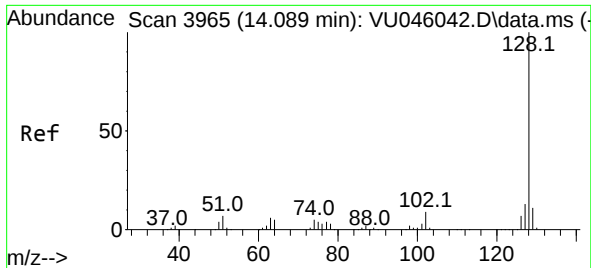
Tgt Ion:105 Resp: 28671
Ion Ratio Lower Upper
105 100
120 43.1 35.2 52.8



#67
1,2-Dichlorobenzene
Concen: 0.847 ug/L
RT: 12.214 min Scan# 3382
Delta R.T. -0.000 min
Lab File: VU046056.D
Acq: 02 Dec 2021 16:42

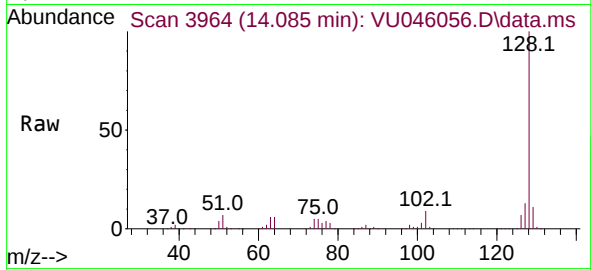
Tgt Ion:146 Resp: 3203
Ion Ratio Lower Upper
146 100
111 51.1 35.7 53.5
148 70.6 51.2 76.8





#71
Naphthalene
Concen: 106.293 ug/L
RT: 14.085 min Scan# 3964
Delta R.T. -0.003 min
Lab File: VU046056.D
Acq: 02 Dec 2021 16:42

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 898188
Ion Ratio Lower Upper
128 100
127 12.6 10.1 15.1
129 10.9 8.6 13.0

