

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122121\
 Data File : VU046541.D
 Acq On : 21 Dec 2021 22:33
 Operator : SY/MD
 Sample : M5170-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 22 05:48:22 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	73450	5.000 ug/L	0.00
28) Chlorobenzene-d5	9.420	117	74305	5.000 ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	39149	5.000 ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.604	65	30451	5.263 ug/L	0.01
Spiked Amount	5.000	Range 40 - 130	Recovery	= 105.200%	
7) Chloroethane-d5	1.922	69	24388	5.353 ug/L	0.01
Spiked Amount	5.000	Range 65 - 130	Recovery	= 107.000%	
11) 1,1-Dichloroethene-d2	2.575	65	13095	5.368 ug/L	0.01
Spiked Amount	5.000	Range 60 - 125	Recovery	= 107.400%	
20) 2-Butanone-d5	4.655	46	99832	59.489 ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	= 118.980%	
24) Chloroform-d	5.070	84	54761	5.166 ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 103.400%	
26) 1,2-Dichloroethane-d4	5.706	65	33705	5.562 ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 111.200%	
32) Benzene-d6	5.732	84	108695	5.248 ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 105.000%	
36) 1,2-Dichloropropane-d6	6.694	67	33815	5.433 ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 108.600%	
41) Toluene-d8	7.899	98	95555	5.083 ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 101.600%	
43) trans-1,3-Dichloroprop...	8.182	79	14251	4.951 ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 99.000%	
46) 2-Hexanone-d5	8.639	63	92369	54.653 ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 109.300%	
56) 1,1,2,2-Tetrachloroeth...	10.758	84	33272	5.208 ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 104.200%	
66) 1,2-Dichlorobenzene-d4	12.195	152	40606	5.631 ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 112.600%	

Target Compounds

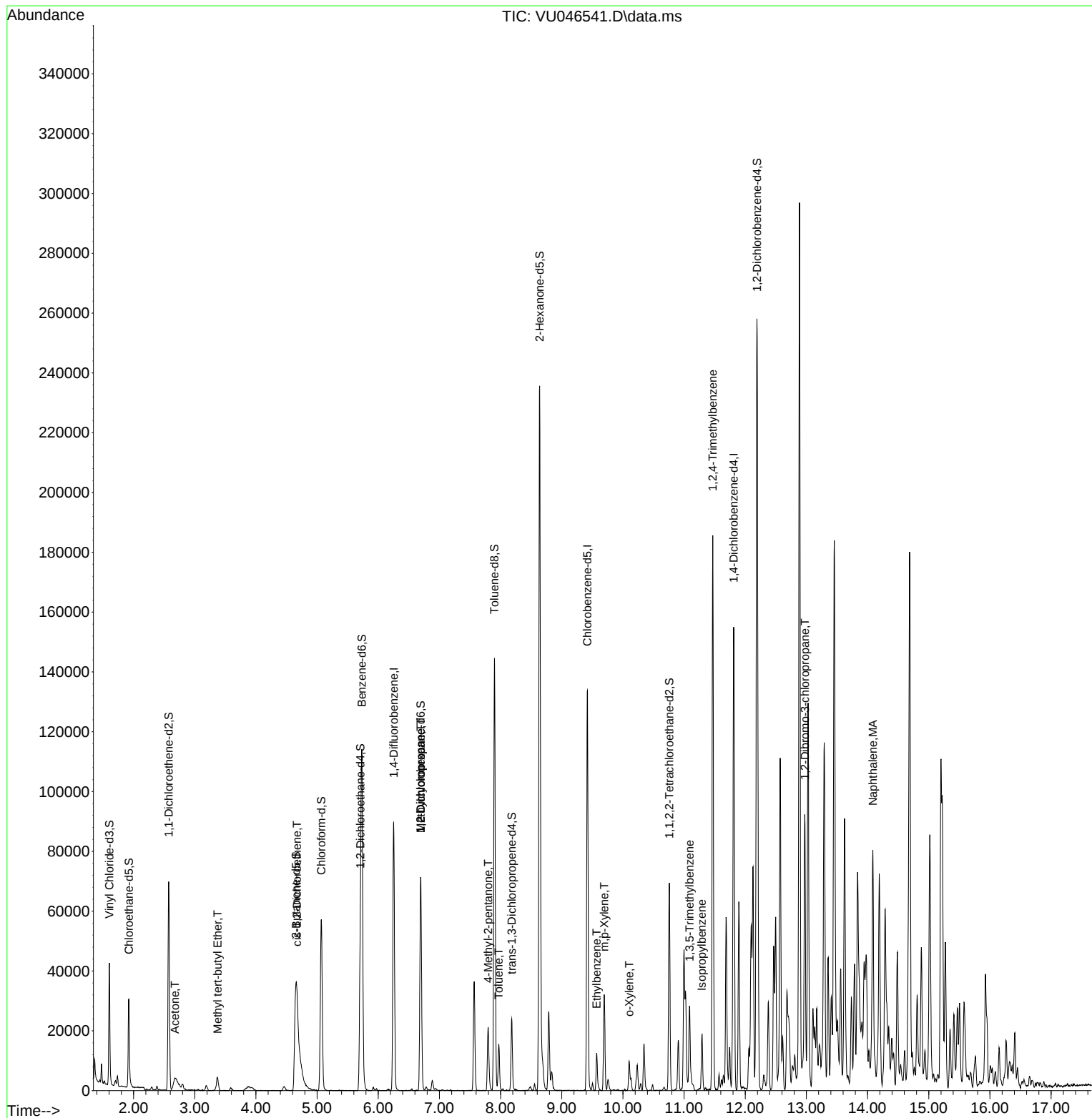
					Qvalue
13) Acetone	2.678	43	14114	8.971 ug/L	74
17) Methyl tert-butyl Ether	3.372	73	5352	0.284 ug/L	95
22) cis-1,2-Dichloroethene	4.671	96	1816	0.241 ug/L	97
35) Methylcyclohexane	6.694	83	8479	0.773 ug/L #	18
37) 1,2-Dichloropropane	6.694	63	3748	0.498 ug/L #	88
40) 4-Methyl-2-pentanone	7.796	43	15040	2.661 ug/L	97
42) Toluene	7.970	91	11408	0.376 ug/L	100
52) Ethylbenzene	9.571	91	8872	0.283 ug/L	97
53) m,p-Xylene	9.697	106	9266	0.771 ug/L	99
54) o-Xylene	10.102	106	2554	0.221 ug/L	90
60) Isopropylbenzene	11.291	105	11141	0.369 ug/L	94
62) 1,3,5-Trimethylbenzene	11.089	105	15462	0.616 ug/L	97
63) 1,2,4-Trimethylbenzene	11.468	105	99006	3.915 ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.976	75	290	0.193 ug/L #	7
71) Naphthalene	14.085	128	63079	3.019 ug/L	99

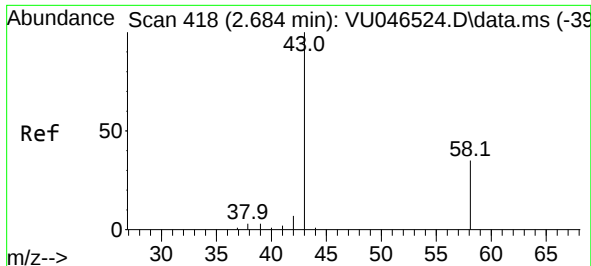
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 8.971 ug/L

RT: 2.678 min Scan# 41

Delta R.T. -0.007 min

Lab File: VU046541.D

Acq: 21 Dec 2021 22:33

Instrument :

MSVOA_U

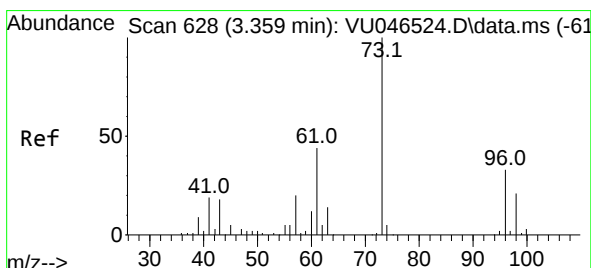
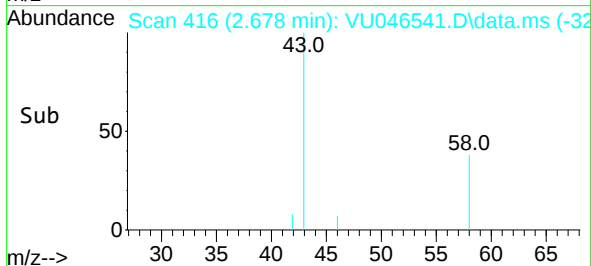
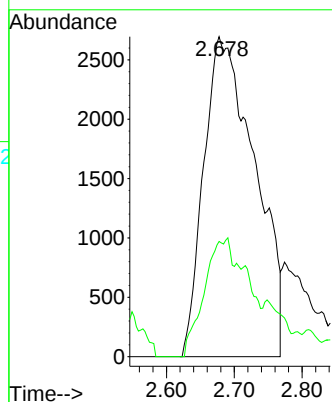
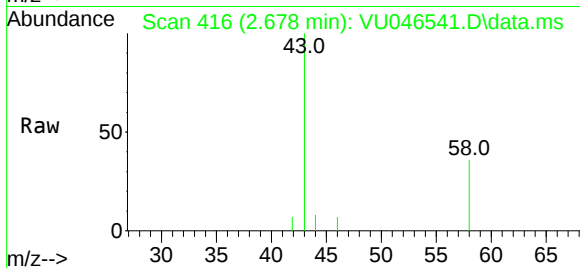
ClientSampleId :

Tgt Ion: 43 Resp: 14114

Ion Ratio Lower Upper

43 100

58 20.4 0.0 71.6



#17

Methyl tert-butyl Ether

Concen: 0.284 ug/L

RT: 3.372 min Scan# 632

Delta R.T. 0.013 min

Lab File: VU046541.D

Acq: 21 Dec 2021 22:33

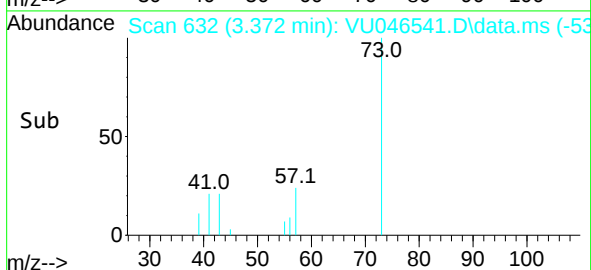
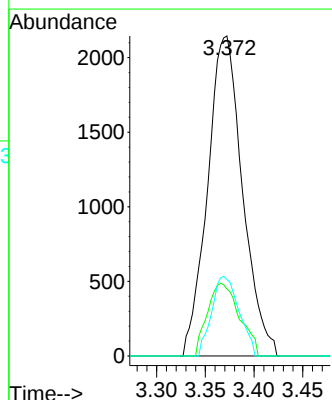
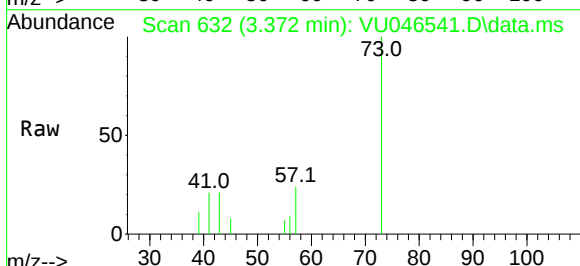
Tgt Ion: 73 Resp: 5352

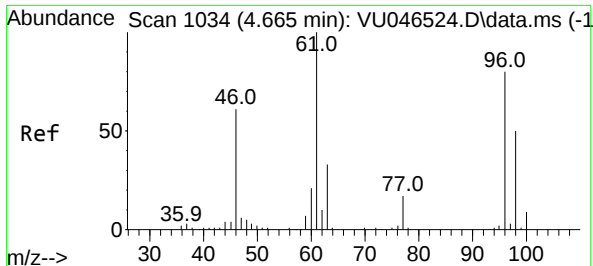
Ion Ratio Lower Upper

73 100

43 20.8 14.8 22.2

57 19.5 17.4 26.0





#22

cis-1,2-Dichloroethene

Concen: 0.241 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.006 min

Lab File: VU046541.D

Acq: 21 Dec 2021 22:33

Instrument :

MSVOA_U

ClientSampleId :

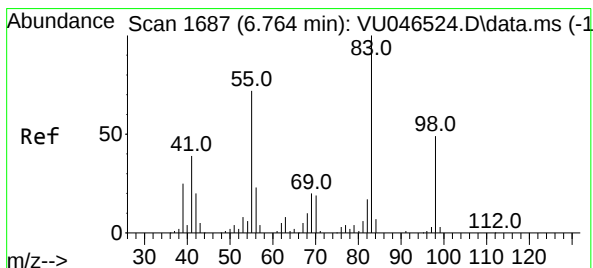
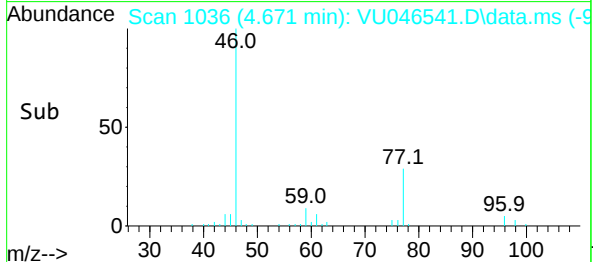
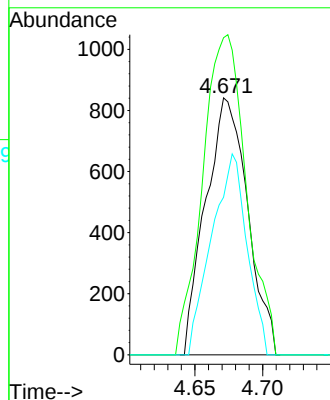
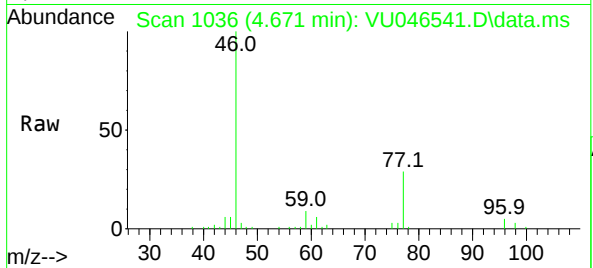
Tgt Ion: 96 Resp: 1816

Ion Ratio Lower Upper

96 100

61 123.4 88.5 164.3

98 61.4 44.4 82.5



#35

Methylcyclohexane

Concen: 0.773 ug/L

RT: 6.694 min Scan# 1665

Delta R.T. -0.071 min

Lab File: VU046541.D

Acq: 21 Dec 2021 22:33

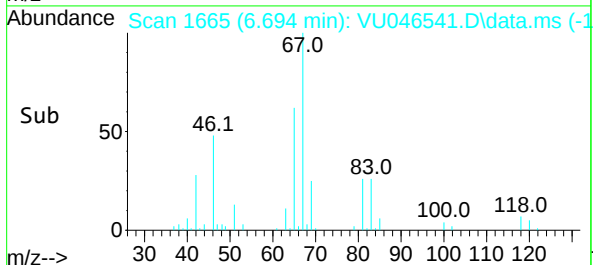
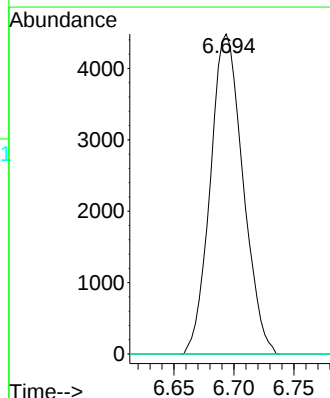
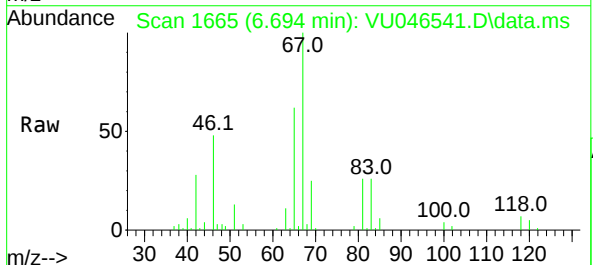
Tgt Ion: 83 Resp: 8479

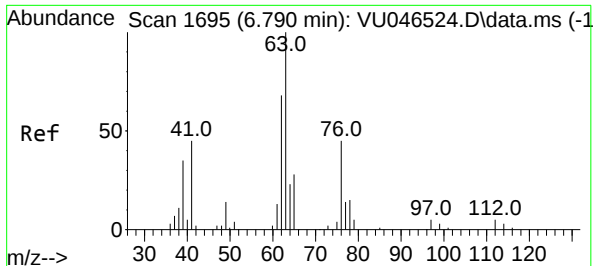
Ion Ratio Lower Upper

83 100

55 1.1 61.9 92.9#

98 0.0 39.0 58.6#





#37

1,2-Dichloropropane

Concen: 0.498 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.097 min

Lab File: VU046541.D

Acq: 21 Dec 2021 22:33

Instrument :

MSVOA_U

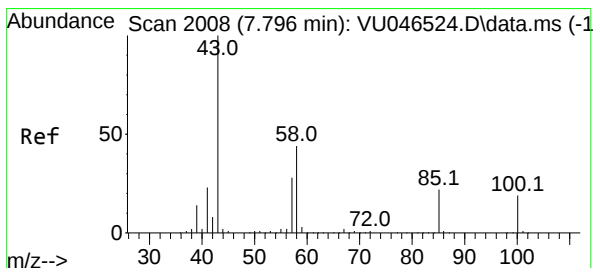
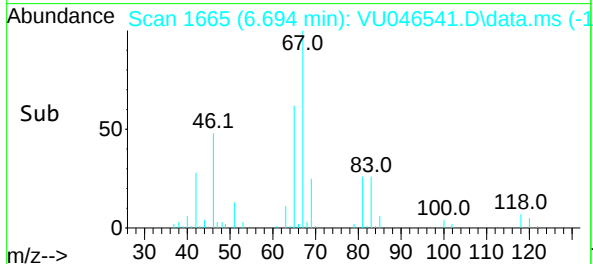
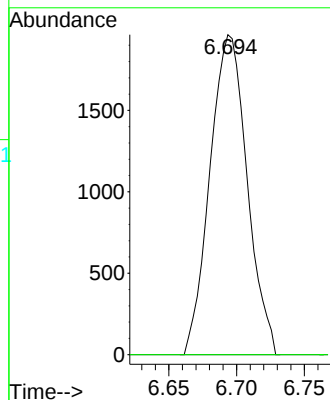
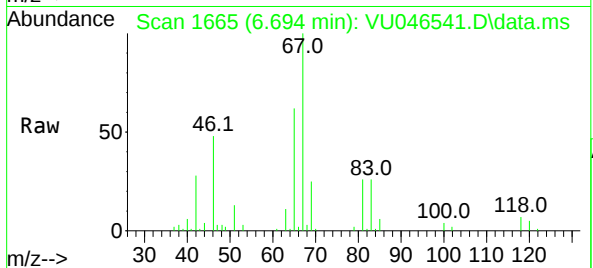
ClientSampleId :

Tgt Ion: 63 Resp: 3748

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#40

4-Methyl-2-pentanone

Concen: 2.661 ug/L

RT: 7.796 min Scan# 2008

Delta R.T. -0.000 min

Lab File: VU046541.D

Acq: 21 Dec 2021 22:33

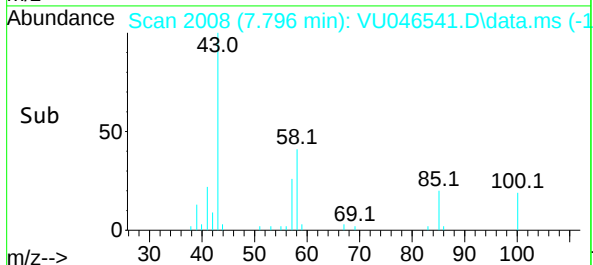
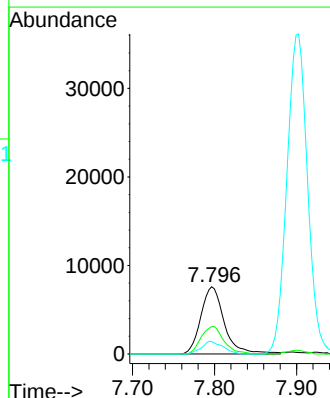
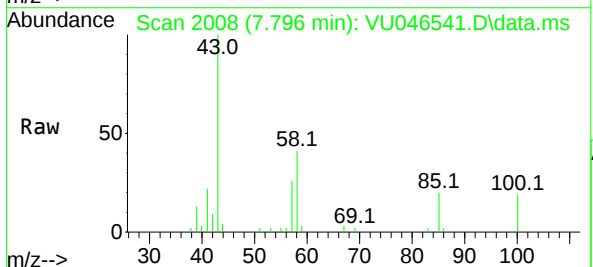
Tgt Ion: 43 Resp: 15040

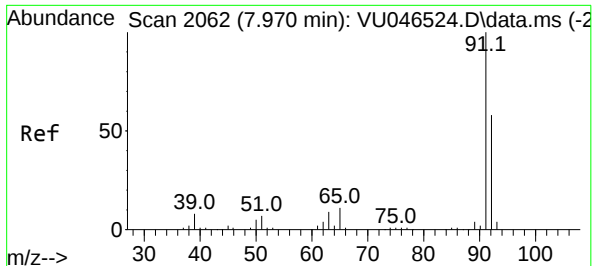
Ion Ratio Lower Upper

43 100

58 39.4 33.1 49.7

100 16.9 13.2 19.8





#42

Toluene

Concen: 0.376 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU046541.D

Acq: 21 Dec 2021 22:33

Instrument :

MSVOA_U

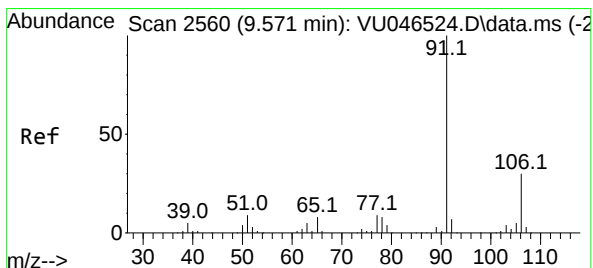
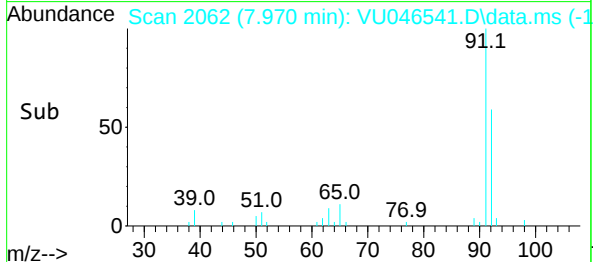
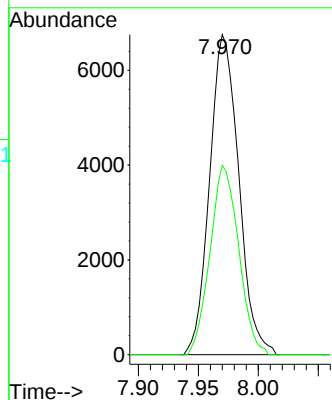
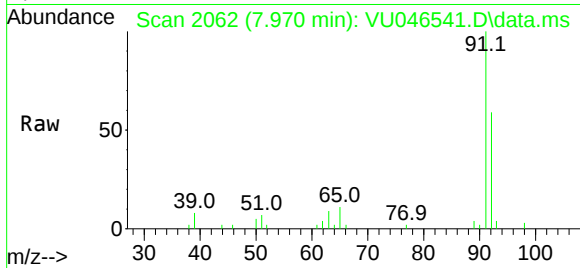
ClientSampleId :

Tgt Ion: 91 Resp: 11408

Ion Ratio Lower Upper

91 100

92 59.1 41.3 76.7



#52

Ethylbenzene

Concen: 0.283 ug/L

RT: 9.571 min Scan# 2560

Delta R.T. -0.000 min

Lab File: VU046541.D

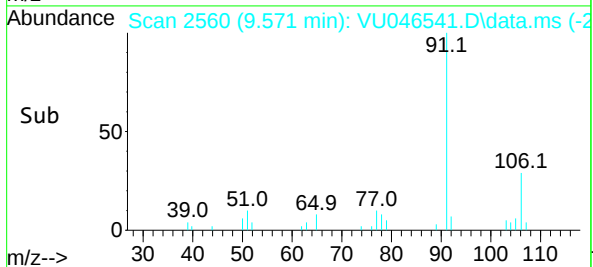
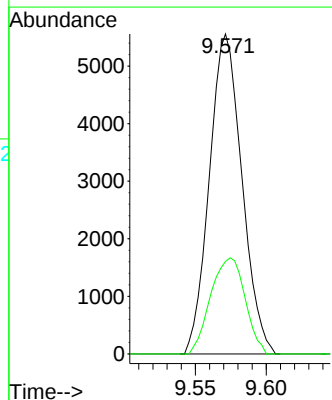
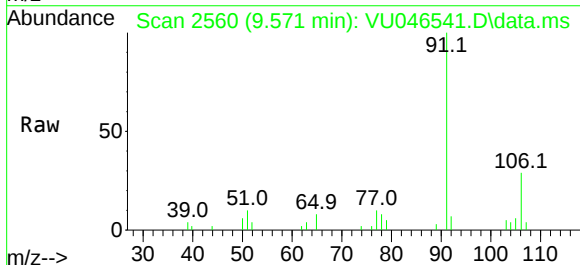
Acq: 21 Dec 2021 22:33

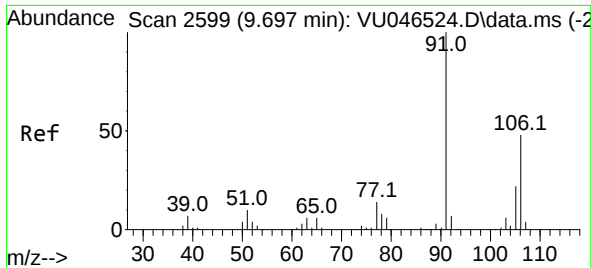
Tgt Ion: 91 Resp: 8872

Ion Ratio Lower Upper

91 100

106 28.9 21.5 39.9

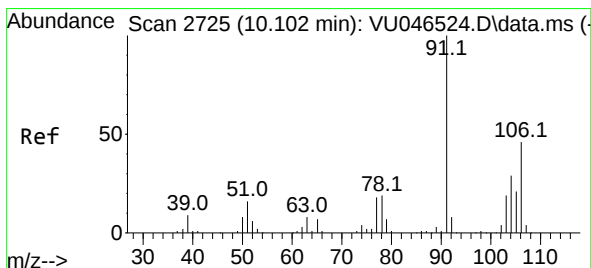
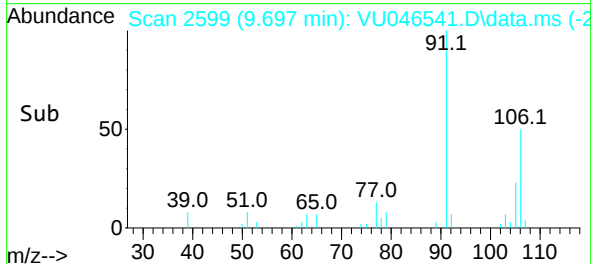
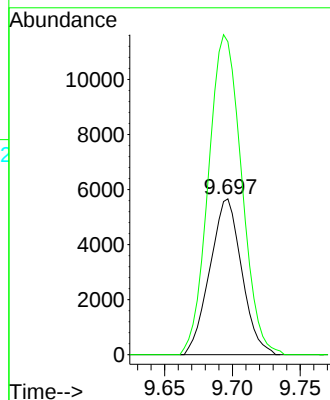
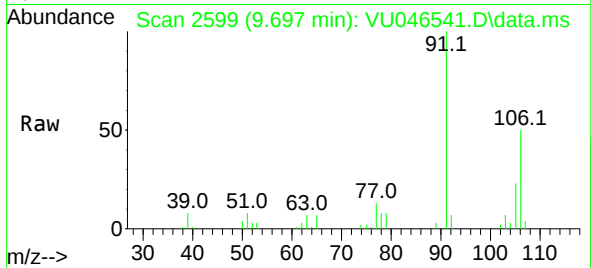




#53
m,p-Xylene
Concen: 0.771 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. -0.000 min
Lab File: VU046541.D
Acq: 21 Dec 2021 22:33

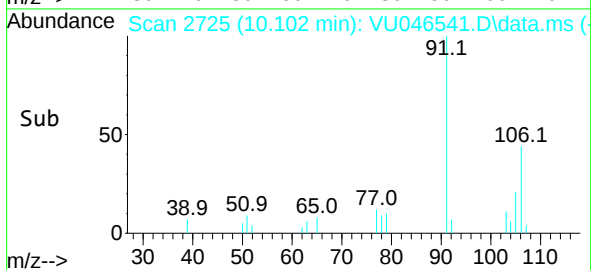
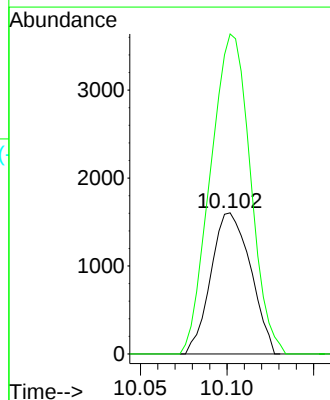
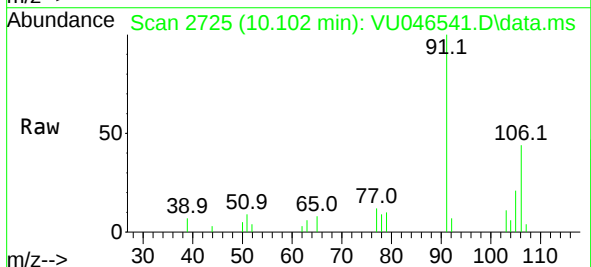
Instrument :
MSVOA_U
ClientSampleId :

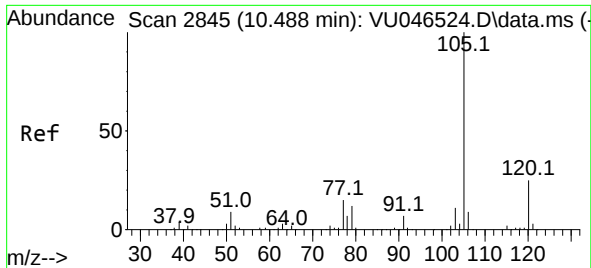
Tgt Ion:106 Resp: 9266
Ion Ratio Lower Upper
106 100
91 200.8 139.4 259.0



#54
o-Xylene
Concen: 0.221 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.000 min
Lab File: VU046541.D
Acq: 21 Dec 2021 22:33

Tgt Ion:106 Resp: 2554
Ion Ratio Lower Upper
106 100
91 226.7 147.5 273.9

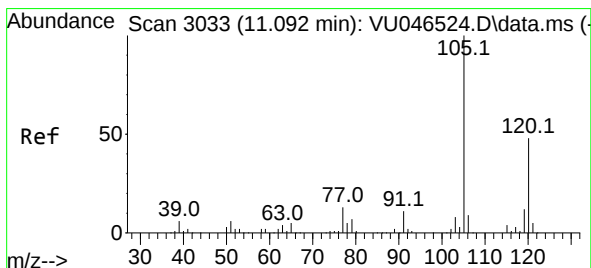
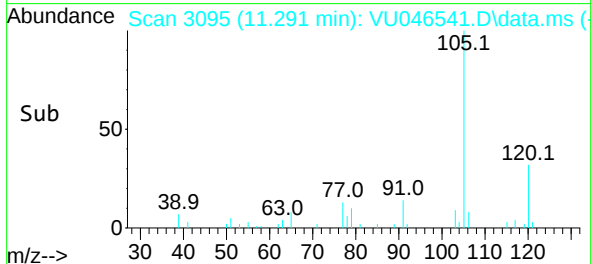
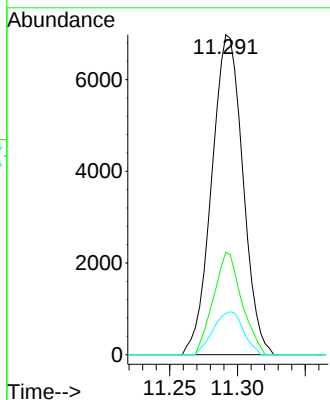
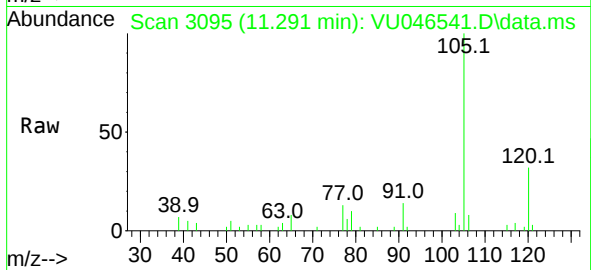




#60
Isopropylbenzene
Concen: 0.369 ug/L
RT: 11.291 min Scan# 3095
Delta R.T. 0.804 min
Lab File: VU046541.D
Acq: 21 Dec 2021 22:33

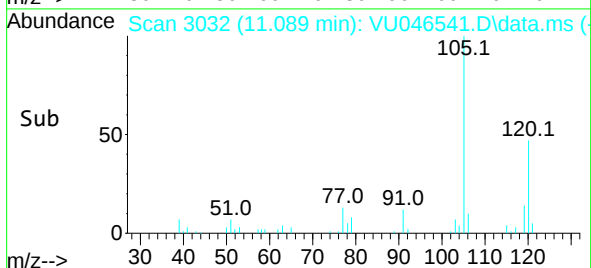
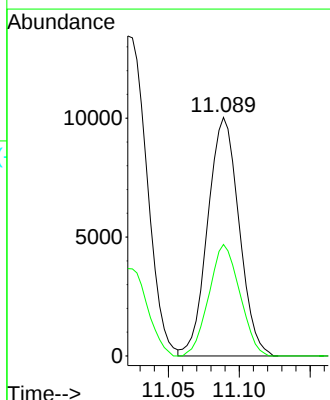
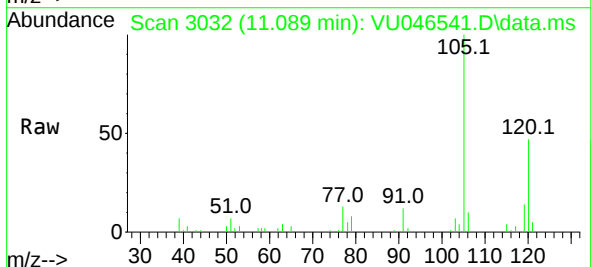
Instrument :
MSVOA_U
ClientSampleId :

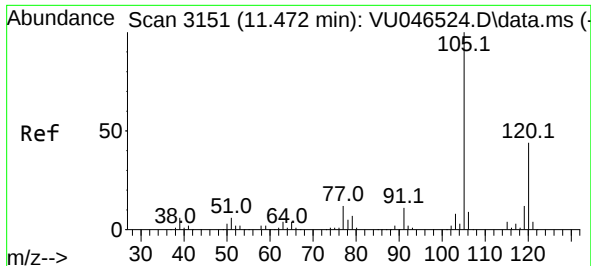
Tgt Ion:105 Resp: 11141
Ion Ratio Lower Upper
105 100
120 29.0 20.7 31.1
77 12.9 12.6 19.0



#62
1,3,5-Trimethylbenzene
Concen: 0.616 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. -0.003 min
Lab File: VU046541.D
Acq: 21 Dec 2021 22:33

Tgt Ion:105 Resp: 15462
Ion Ratio Lower Upper
105 100
120 46.0 38.3 57.5

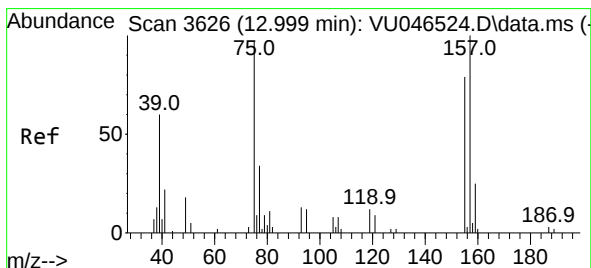
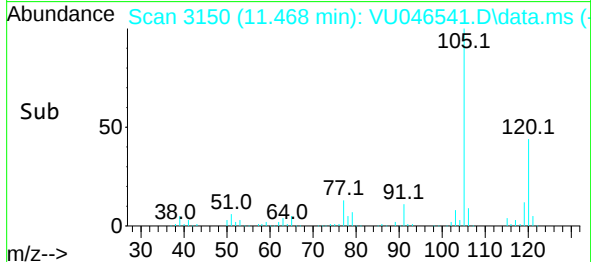
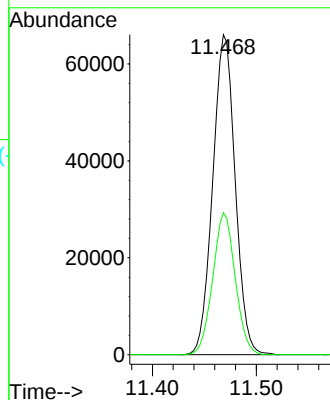
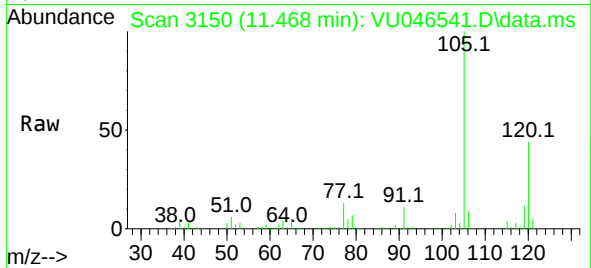




#63
1,2,4-Trimethylbenzene
Concen: 3.915 ug/L
RT: 11.468 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VU046541.D
Acq: 21 Dec 2021 22:33

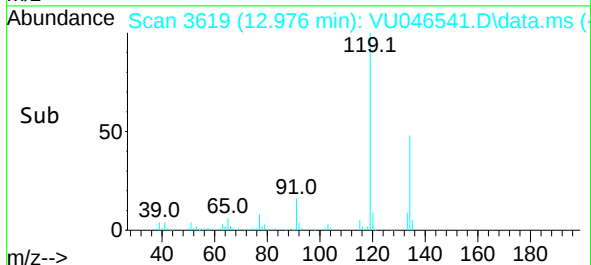
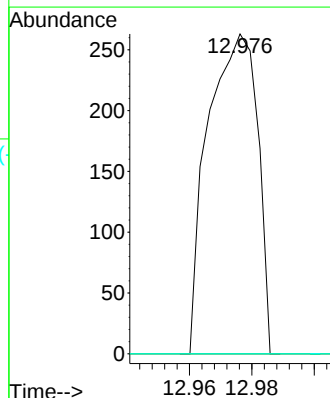
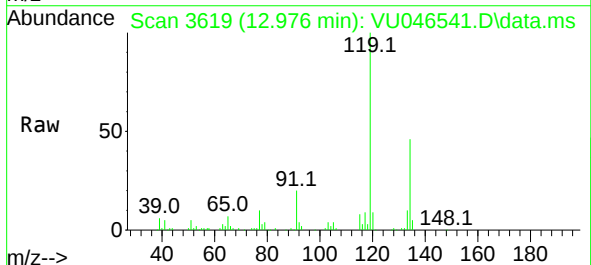
Instrument :
MSVOA_U
ClientSampleId :

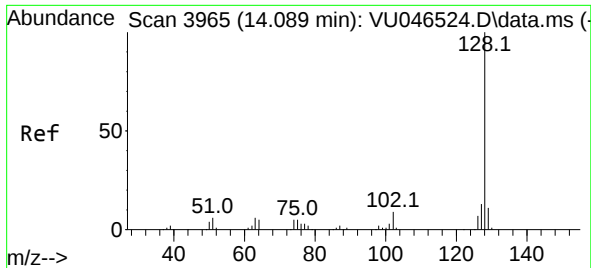
Tgt Ion:105 Resp: 99006
Ion Ratio Lower Upper
105 100
120 44.4 35.8 53.8



#68
1,2-Dibromo-3-chloropropane
Concen: 0.193 ug/L
RT: 12.976 min Scan# 3619
Delta R.T. -0.023 min
Lab File: VU046541.D
Acq: 21 Dec 2021 22:33

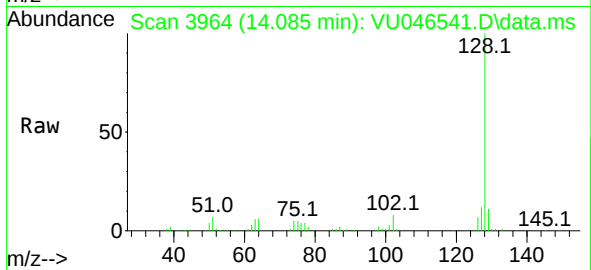
Tgt Ion: 75 Resp: 290
Ion Ratio Lower Upper
75 100
155 0.0 59.2 88.8#
157 0.0 76.5 114.7#





#71
Naphthalene
Concen: 3.019 ug/L
RT: 14.085 min Scan# 3965
Delta R.T. -0.003 min
Lab File: VU046541.D
Acq: 21 Dec 2021 22:33

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 63079
Ion Ratio Lower Upper
128 100
129 11.1 8.4 12.6
127 12.5 10.2 15.2

