

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122321\
 Data File : VU046587.D
 Acq On : 23 Dec 2021 23:49
 Operator : SY/MD
 Sample : M5170-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 24 05:00:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 24 04:54:59 2021
 Response via : Initial Calibration

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

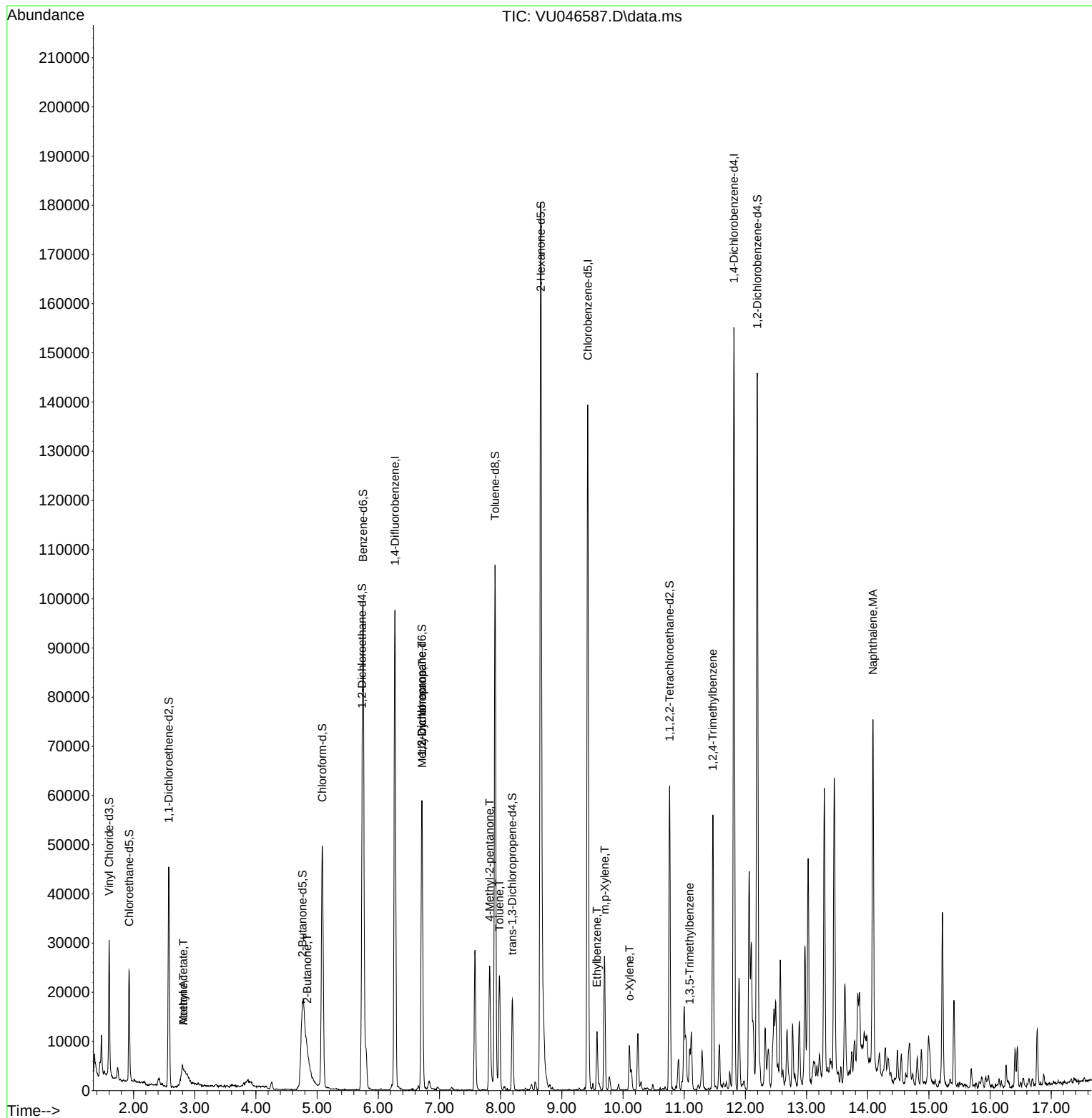
Internal Standards						
1) 1,4-Difluorobenzene	6.272	114	77805	5.000	ug/L	0.02
28) Chlorobenzene-d5	9.423	117	78480	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	40692	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	19416	3.168	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	63.400%
7) Chloroethane-d5	1.925	69	16596	3.439	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	68.800%
11) 1,1-Dichloroethene-d2	2.575	65	8375	3.241	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.800%
20) 2-Butanone-d5	4.761	46	66159	37.217	ug/L	0.11
Spiked Amount	50.000	Range	40 - 130	Recovery	=	74.440%
24) Chloroform-d	5.083	84	46389	4.131	ug/L	0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.600%
26) 1,2-Dichloroethane-d4	5.735	65	27029	4.210	ug/L	0.03
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.200%
32) Benzene-d6	5.751	84	82868	3.788	ug/L	0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.800%
36) 1,2-Dichloropropane-d6	6.713	67	27476	4.180	ug/L	0.02
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.600%
41) Toluene-d8	7.909	98	70405	3.546	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.000%
43) trans-1,3-Dichloroprop...	8.192	79	11233	3.695	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.800%
46) 2-Hexanone-d5	8.655	63	77696	43.525	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.060%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	29119	4.316	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.400%
66) 1,2-Dichlorobenzene-d4	12.195	152	33344	4.448	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.000%
Target Compounds						Qvalue
13) Acetone	2.813	43	8372	5.023	ug/L	69
15) Methyl Acetate	2.813	43	8372	2.487	ug/L #	51
21) 2-Butanone	4.838	43	3799	1.502	ug/L	99
35) Methylcyclohexane	6.716	83	6597	0.569	ug/L #	17
37) 1,2-Dichloropropane	6.713	63	3068	0.386	ug/L #	88
40) 4-Methyl-2-pentanone	7.819	43	18994	3.181	ug/L	99
42) Toluene	7.980	91	17602	0.550	ug/L	92
52) Ethylbenzene	9.574	91	8503	0.257	ug/L	99
53) m,p-Xylene	9.700	106	8028	0.633	ug/L	97
54) o-Xylene	10.105	106	2320	0.190	ug/L	97
62) 1,3,5-Trimethylbenzene	11.089	105	4794	0.184	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	29544	1.124	ug/L	100
71) Naphthalene	14.086	128	54436	2.507	ug/L	98

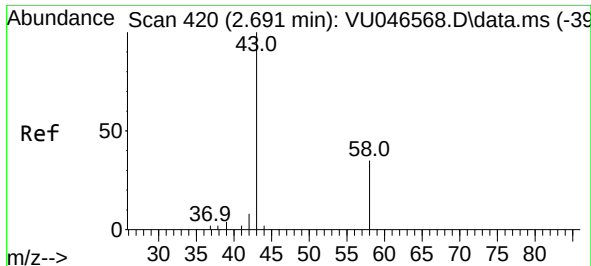
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 5.023 ug/L

RT: 2.813 min Scan# 4

Delta R.T. 0.119 min

Lab File: VU046587.D

Acq: 23 Dec 2021 23:49

Instrument :

MSVOA_U

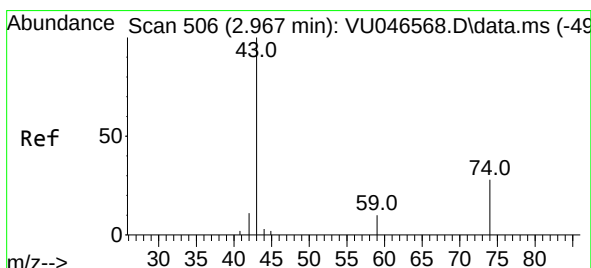
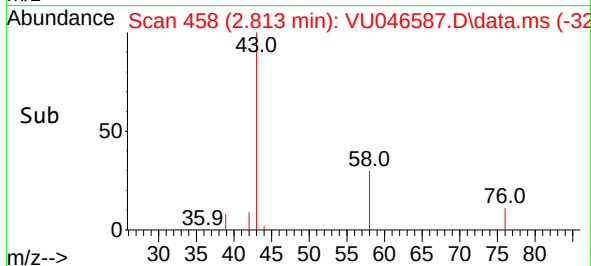
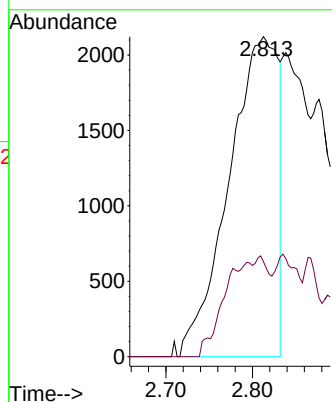
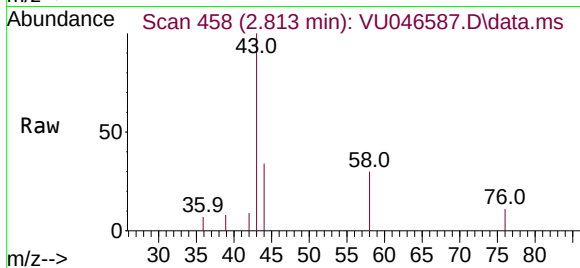
ClientSampleId :

Tgt Ion: 43 Resp: 8372

Ion Ratio Lower Upper

43 100

58 17.7 0.0 71.6



#15

Methyl Acetate

Concen: 2.487 ug/L

RT: 2.813 min Scan# 458

Delta R.T. -0.158 min

Lab File: VU046587.D

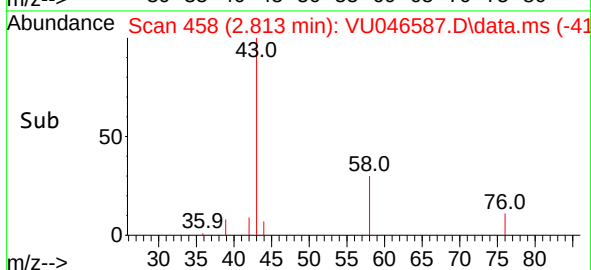
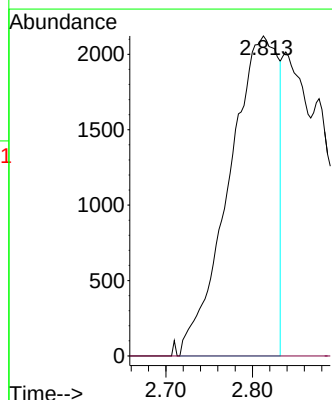
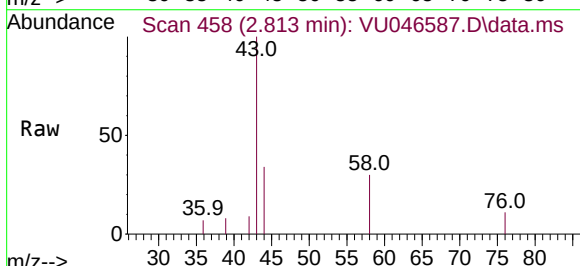
Acq: 23 Dec 2021 23:49

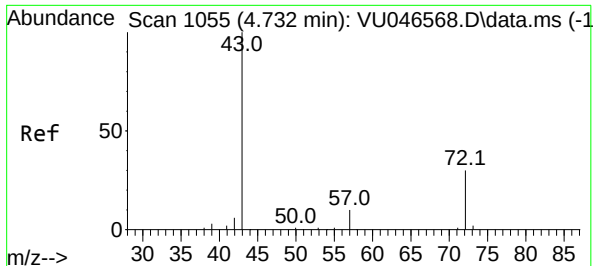
Tgt Ion: 43 Resp: 8372

Ion Ratio Lower Upper

43 100

74 0.0 19.1 28.7#

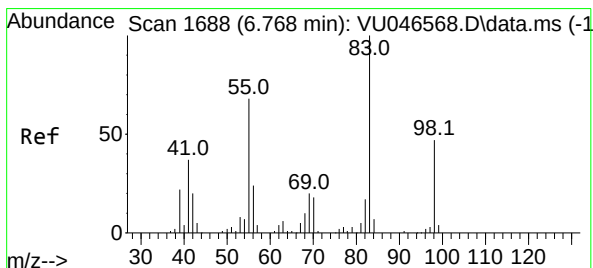
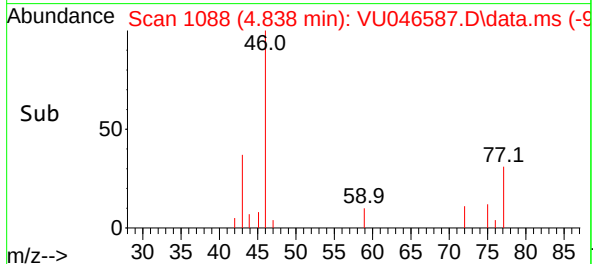
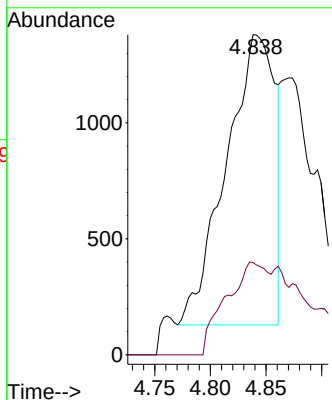
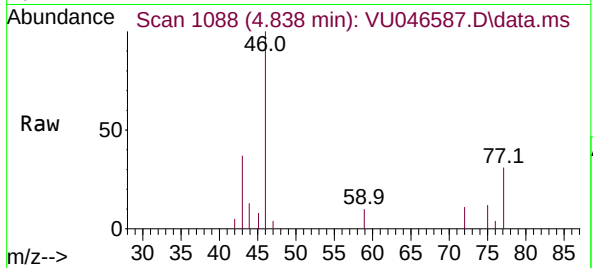




#21
2-Butanone
Concen: 1.502 ug/L
RT: 4.838 min Scan# 1088
Delta R.T. 0.103 min
Lab File: VU046587.D
Acq: 23 Dec 2021 23:49

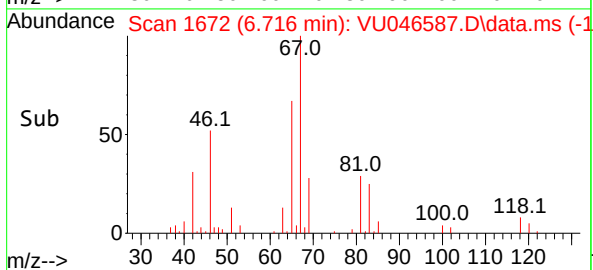
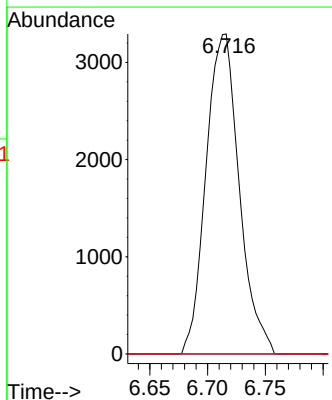
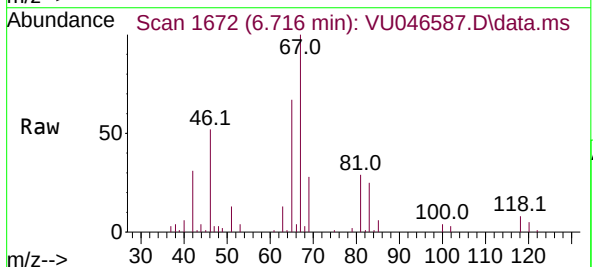
Instrument :
MSVOA_U
ClientSampleId :

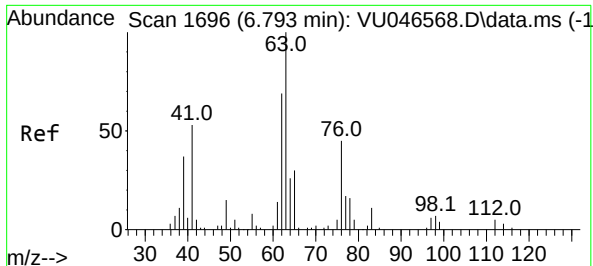
Tgt Ion: 43 Resp: 3799
Ion Ratio Lower Upper
43 100
72 27.8 14.1 42.3



#35
Methylcyclohexane
Concen: 0.569 ug/L
RT: 6.716 min Scan# 1672
Delta R.T. -0.051 min
Lab File: VU046587.D
Acq: 23 Dec 2021 23:49

Tgt Ion: 83 Resp: 6597
Ion Ratio Lower Upper
83 100
55 0.0 61.9 92.9#
98 0.0 39.0 58.6#





#37

1,2-Dichloropropane

Concen: 0.386 ug/L

RT: 6.713 min Scan# 1

Delta R.T. -0.084 min

Lab File: VU046587.D

Acq: 23 Dec 2021 23:49

Instrument :

MSVOA_U

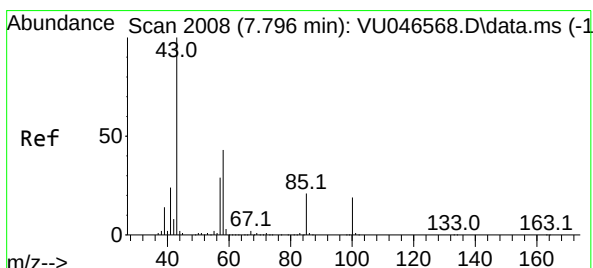
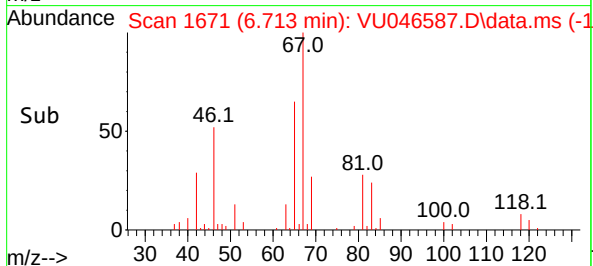
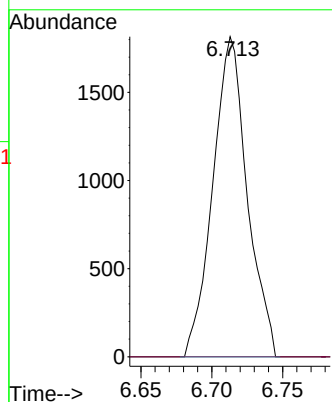
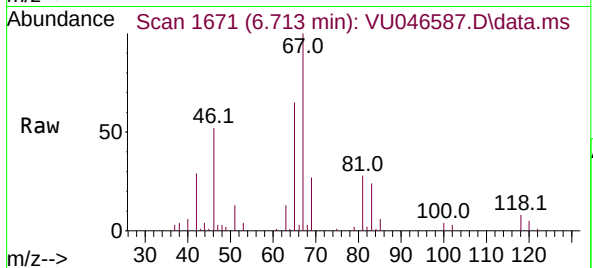
ClientSampleId :

Tgt Ion: 63 Resp: 3068

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#40

4-Methyl-2-pentanone

Concen: 3.181 ug/L

RT: 7.819 min Scan# 2015

Delta R.T. 0.023 min

Lab File: VU046587.D

Acq: 23 Dec 2021 23:49

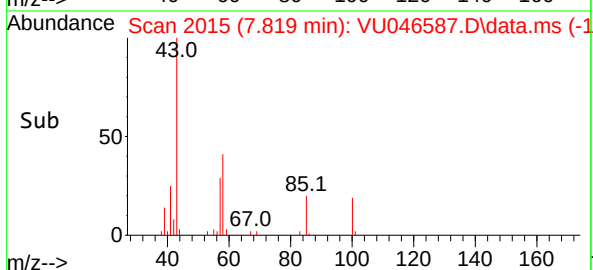
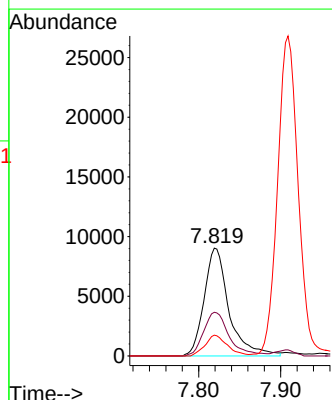
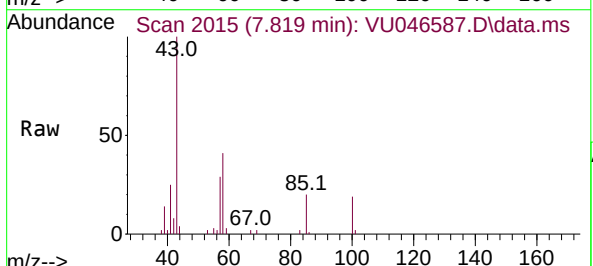
Tgt Ion: 43 Resp: 18994

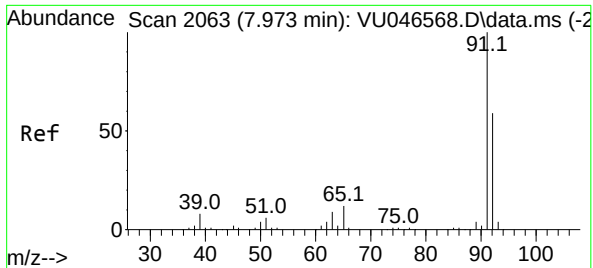
Ion Ratio Lower Upper

43 100

58 41.8 33.1 49.7

100 17.3 13.2 19.8





#42

Toluene

Concen: 0.550 ug/L

RT: 7.980 min Scan# 2063

Delta R.T. 0.006 min

Lab File: VU046587.D

Acq: 23 Dec 2021 23:49

Instrument :

MSVOA_U

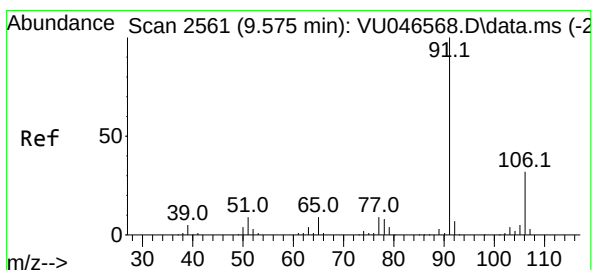
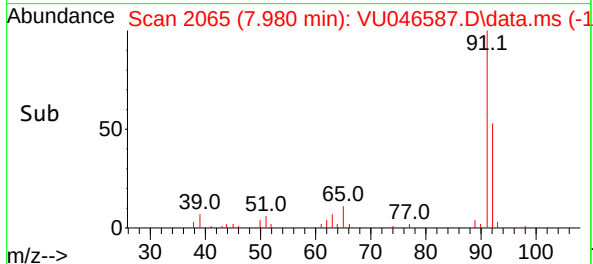
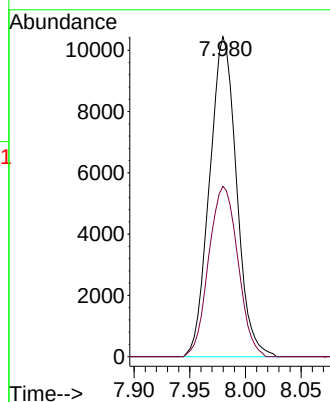
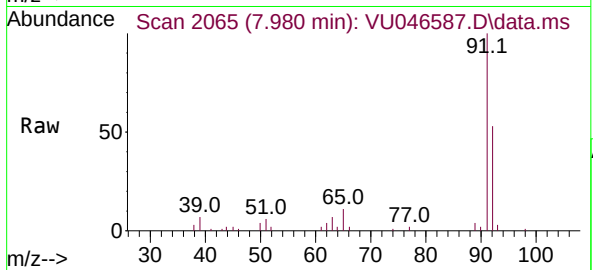
ClientSampleId :

Tgt Ion: 91 Resp: 17602

Ion Ratio Lower Upper

91 100

92 53.3 41.3 76.7



#52

Ethylbenzene

Concen: 0.257 ug/L

RT: 9.574 min Scan# 2561

Delta R.T. 0.003 min

Lab File: VU046587.D

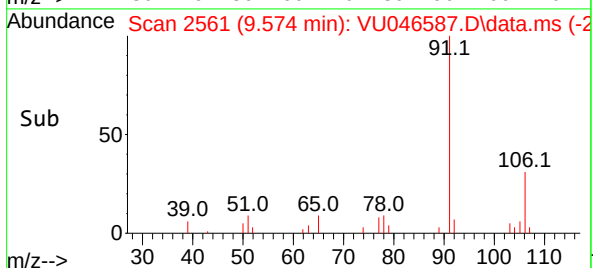
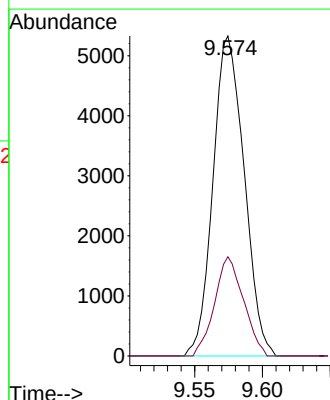
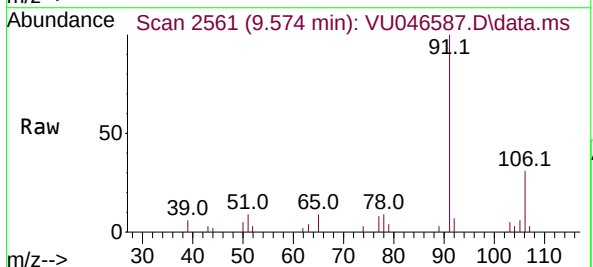
Acq: 23 Dec 2021 23:49

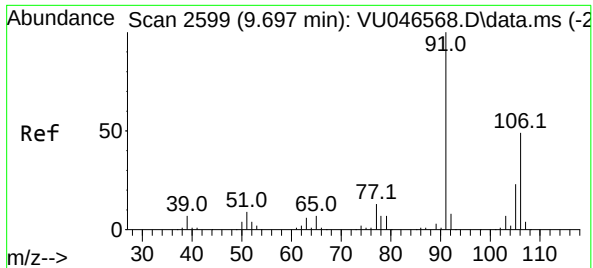
Tgt Ion: 91 Resp: 8503

Ion Ratio Lower Upper

91 100

106 31.0 21.5 39.9

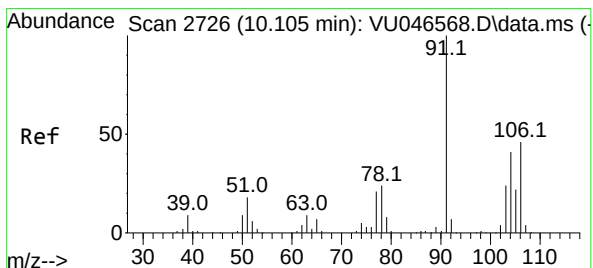
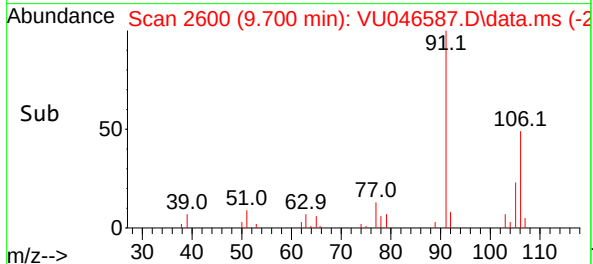
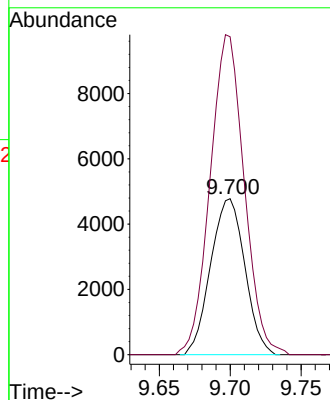
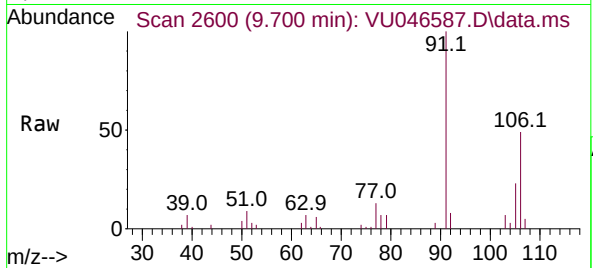




#53
m,p-Xylene
Concen: 0.633 ug/L
RT: 9.700 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU046587.D
Acq: 23 Dec 2021 23:49

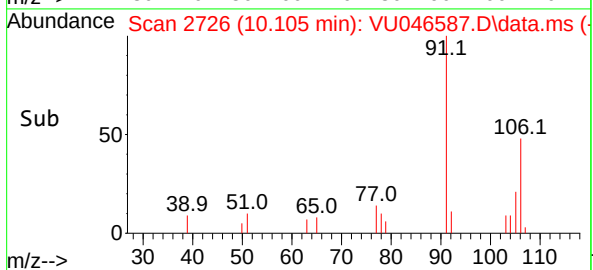
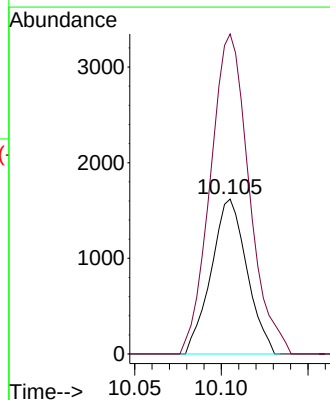
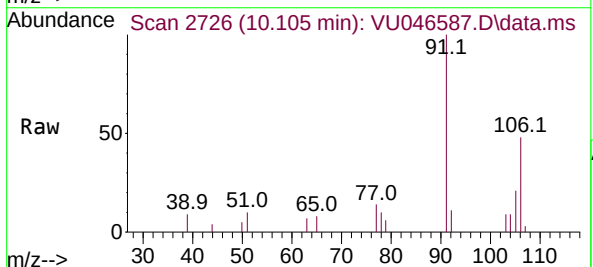
Instrument :
MSVOA_U
ClientSampleId :

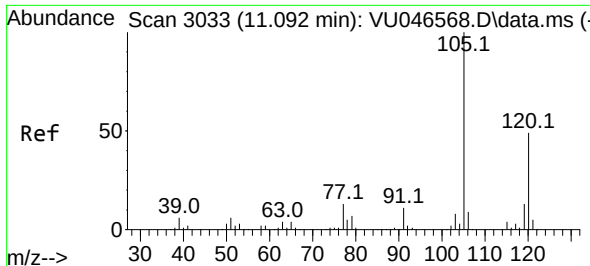
Tgt Ion:106 Resp: 8028
Ion Ratio Lower Upper
106 100
91 203.8 139.4 259.0



#54
o-Xylene
Concen: 0.190 ug/L
RT: 10.105 min Scan# 2726
Delta R.T. 0.003 min
Lab File: VU046587.D
Acq: 23 Dec 2021 23:49

Tgt Ion:106 Resp: 2320
Ion Ratio Lower Upper
106 100
91 206.7 147.5 273.9





#62

1,3,5-Trimethylbenzene

Concen: 0.184 ug/L

RT: 11.089 min Scan# 3033

Delta R.T. 0.000 min

Lab File: VU046587.D

Acq: 23 Dec 2021 23:49

Instrument :

MSVOA_U

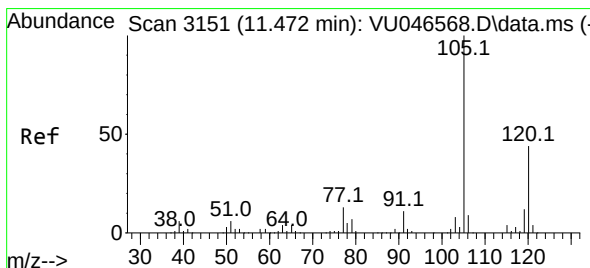
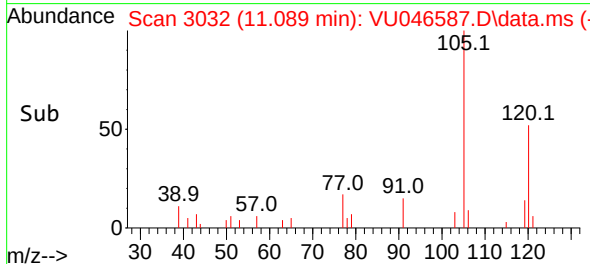
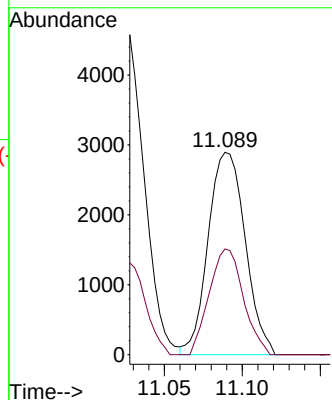
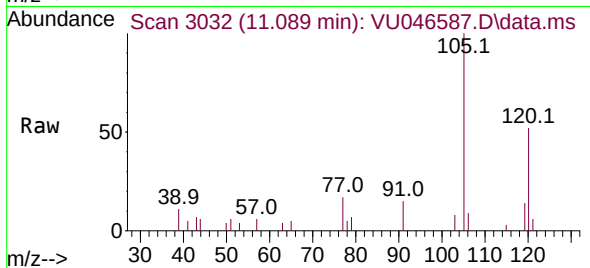
ClientSampleId :

Tgt Ion:105 Resp: 4794

Ion Ratio Lower Upper

105 100

120 48.1 38.3 57.5



#63

1,2,4-Trimethylbenzene

Concen: 1.124 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VU046587.D

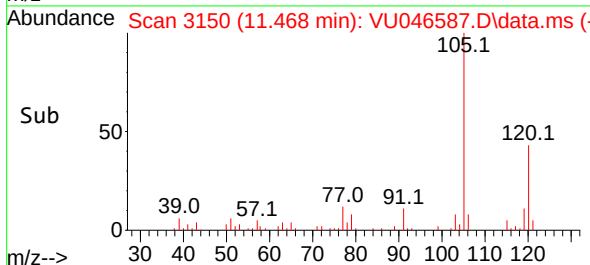
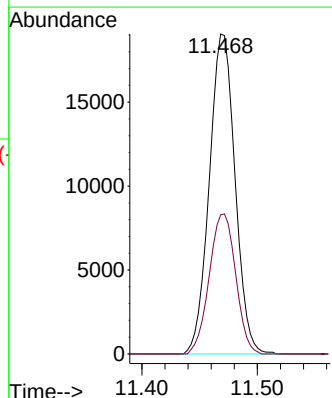
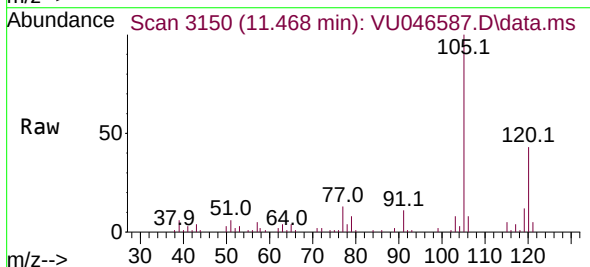
Acq: 23 Dec 2021 23:49

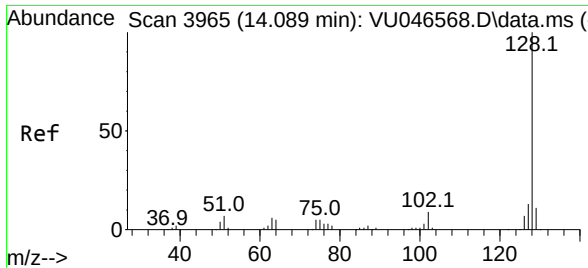
Tgt Ion:105 Resp: 29544

Ion Ratio Lower Upper

105 100

120 44.8 35.8 53.8





#71

Naphthalene

Concen: 2.507 ug/L

RT: 14.086 min Scan# 3964

Delta R.T. -0.003 min

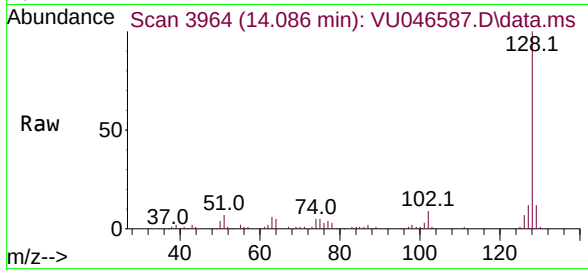
Lab File: VU046587.D

Acq: 23 Dec 2021 23:49

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:128 Resp: 54436

Ion Ratio Lower Upper

128 100

129 11.4 8.4 12.6

127 12.4 10.2 15.2

