

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100721\
 Data File : VU045227.D
 Acq On : 07 Oct 2021 23:04
 Operator : SY/MD
 Sample : M4138-08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW7F8

Manual Integrations
 APPROVED

MMDadoda
 10/11/2021 1:55:21 PM

Quant Time: Oct 08 02:13:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 07 22:18:46 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	298476	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	304063	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	149450	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	116568	35.676	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	71.360%		
7) Chloroethane-d5	1.896	69	99473	38.418	ug/L	-0.01
Spiked Amount 50.000	Range 70 - 130		Recovery =	76.840%		
11) 1,1-Dichloroethene-d2	2.562	63	155423	28.325	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	56.640%#		
21) 2-Butanone-d5	4.629	46	214968	83.219	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	83.220%		
24) Chloroform-d	5.067	84	207142	40.139	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	80.280%		
26) 1,2-Dichloroethane-d4	5.706	65	147622	42.231	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.460%		
32) Benzene-d6	5.729	84	432634	41.005	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	82.000%		
36) 1,2-Dichloropropane-d6	6.693	67	139893	40.663	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	81.320%		
41) Toluene-d8	7.902	98	400472	43.983	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	87.960%		
43) trans-1,3-Dichloroprop...	8.182	79	62532	40.862	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	81.720%		
47) 2-Hexanone-d5	8.639	63	157230	82.470	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	82.470%		
56) 1,1,2,2-Tetrachloroeth...	10.761	84	224975	41.995	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	84.000%		
66) 1,2-Dichlorobenzene-d4	12.195	152	149296	45.903	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.800%		
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.568	96	2355	1.019	ug/L #	1
13) Acetone	2.636	43	12430	4.163	ug/L	100
14) Carbon disulfide	2.793	76	19816	2.676	ug/L	98
19) 1,1-Dichloroethane	3.874	63	136291	26.906	ug/L	100
20) cis-1,2-Dichloroethene	4.671	96	3218	1.199	ug/L	87
22) 2-Butanone	4.710	43	111045	33.227	ug/L	98
29) Cyclohexane	5.388	56	15732	3.442	ug/L	97
33) Benzene	5.777	78	175364	15.550	ug/L	100
35) Methylcyclohexane	6.767	83	48857	10.773	ug/L	98
40) 4-Methyl-2-pentanone	7.800	43	81535	15.896	ug/L	97
42) Toluene	7.976	91	10725225	935.997	ug/L	96
51) Chlorobenzene	9.452	112	3307	0.467	ug/L	92
52) Ethylbenzene	9.571	91	20949478m	1730.667	ug/L	
53) m,p-Xylene	9.709	106	24736733m	5394.439	ug/L	
54) o-xylene	10.115	106	10737799m	2382.954	ug/L	
61) Isopropylbenzene	10.488	105	681733	62.330	ug/L	100
62) 1,3,5-Trimethylbenzene	11.092	105	388129	42.492	ug/L	99
63) 1,2,4-Trimethylbenzene	11.471	105	1289439	137.855	ug/L	100

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

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Abundance

TIC: VU045227.D\data.ms

Time-->

7e+07

6.5e+07

6e+07

5.5e+07

5e+07

4.5e+07

4e+07

3.5e+07

3e+07

2.5e+07

2e+07

1.5e+07

1e+07

5000000

0

2.00

3.00

4.00

5.00

6.00

7.00

8.00

9.00

10.00

11.00

12.00

13.00

14.00

15.00

16.00

17.00

Vinyl Chloride-d3,S

Chloroethane-d5,S

1,1-Dichloroethene-1,2,S

Carbon disulfide,T

1,1-Dichloroethane,T

2,2-Dichloropropane-1,1,S

2,2-Dichloropropane-1,2,S

Chloroform-d,S

Cyclohexane,T

1,2-Dichloroethane-d4,S

1,4-Difluorobenzene,I

1,2-Dichlorobenzene-d6,S

4-Methyl-2-pentanone,T

Toluene,T

trans-1,3-Dichloropropene-d4,S

2-Hexanone-d5,S

Chlorobenzene-d5,I

Ethylbenzene,T

m,p-Xylene,T

o-Xylene,T

Isopropylbenzene,T

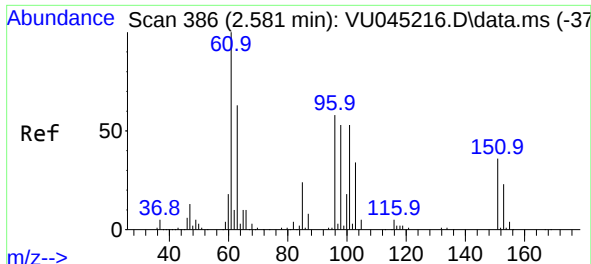
1,1,2,2-Tetrachloroethane-d2,S

1,3,5-Trimethylbenzene,T

1,2,4-Trimethylbenzene,T

1,4-Dichlorobenzene-d4,I

1,2-Dichlorobenzene-d4,S



#12

1,1-Dichloroethene

Concen: 1.019 ug/L

RT: 2.568 min Scan# 382

Delta R.T. -0.013 min

Lab File: VU045227.D

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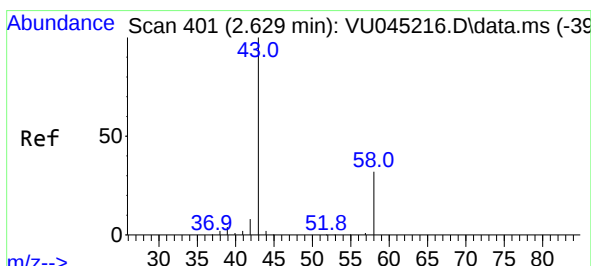
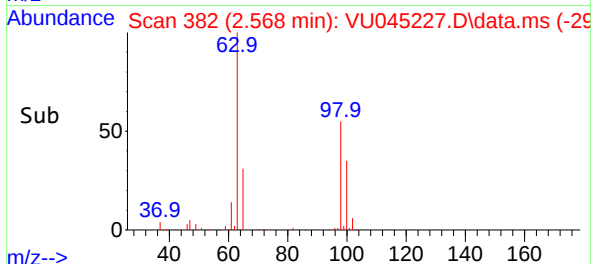
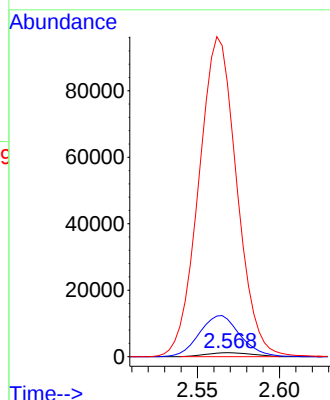
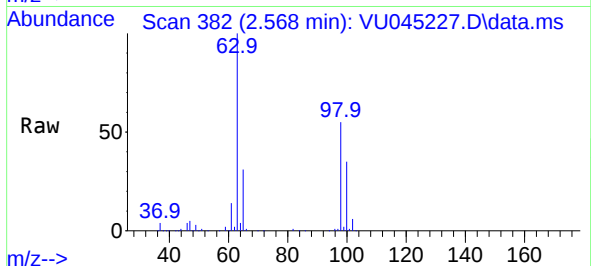
Tgt Ion: 96 Resp: 2355

Ion	Ratio	Lower	Upper
96	100		
61	945.7	131.3	243.9#
63	6871.1	102.5	190.3#

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#13

Acetone

Concen: 4.163 ug/L

RT: 2.636 min Scan# 403

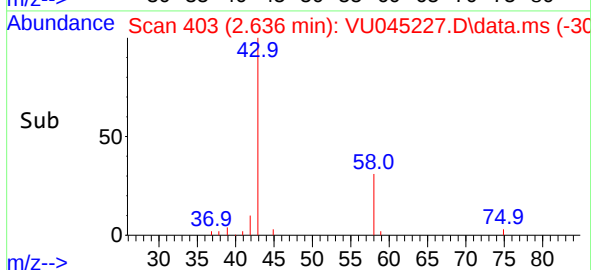
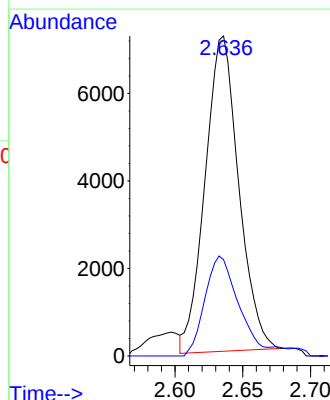
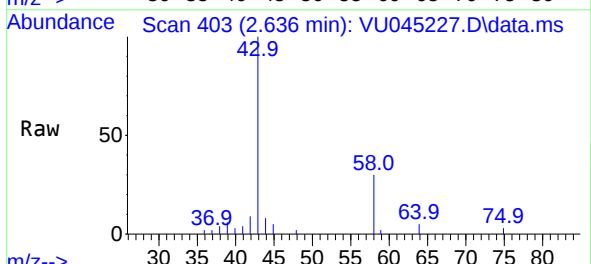
Delta R.T. 0.006 min

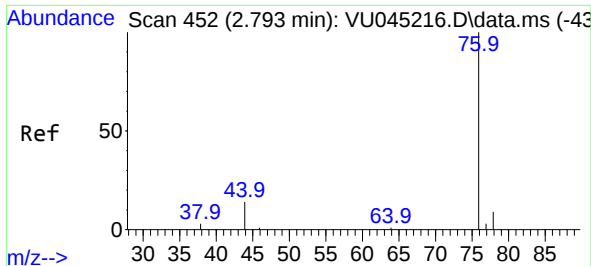
Lab File: VU045227.D

Acq: 07 Oct 2021 23:04

Tgt Ion: 43 Resp: 12430

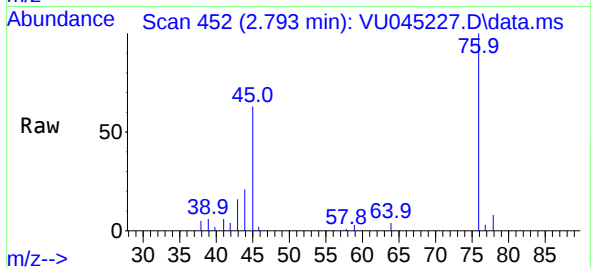
Ion	Ratio	Lower	Upper
43	100		
58	31.6	0.0	62.8





#14
Carbon disulfide
Concen: 2.676 ug/L
RT: 2.793 min Scan# 452
Delta R.T. -0.000 min
Lab File: VU045227.D
Acq: 07 Oct 2021 23:04

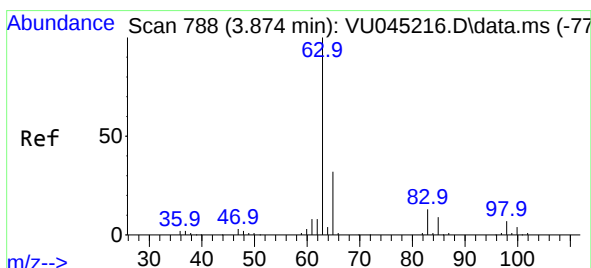
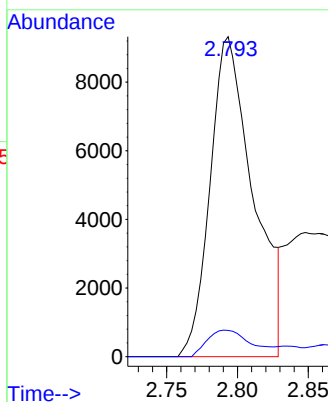
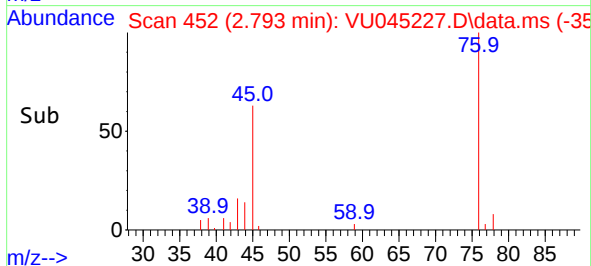
Instrument :
MSVOA_U
ClientSampled :
EW7F8



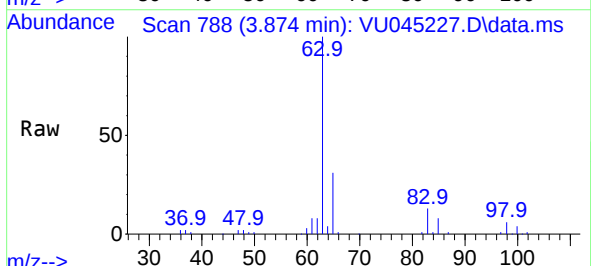
Tgt Ion: 76 Resp: 19816
Ion Ratio Lower Upper
76 100
78 8.2 7.3 10.9

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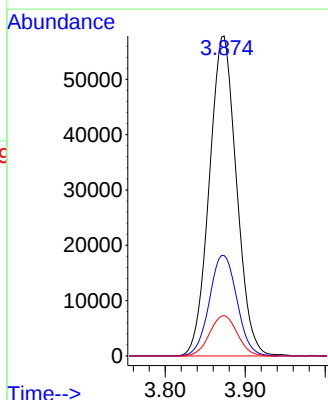
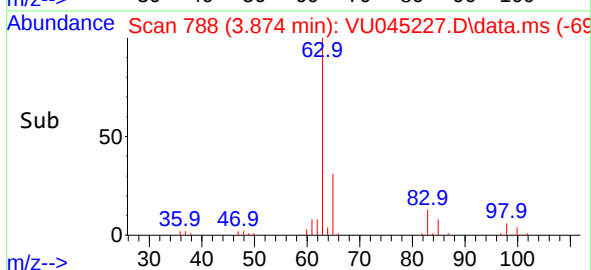
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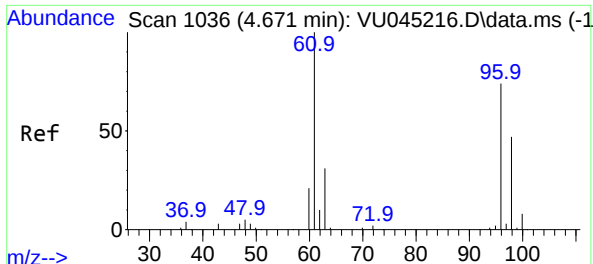


#19
1,1-Dichloroethane
Concen: 26.906 ug/L
RT: 3.874 min Scan# 788
Delta R.T. -0.000 min
Lab File: VU045227.D
Acq: 07 Oct 2021 23:04



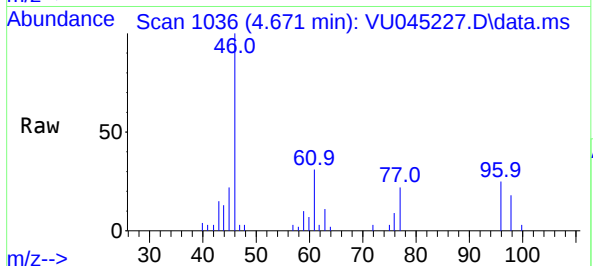
Tgt Ion: 63 Resp: 136291
Ion Ratio Lower Upper
63 100
65 31.4 22.0 40.8
83 12.7 9.0 16.6





#20
cis-1,2-Dichloroethene
Concen: 1.199 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VU045227.D
Acq: 07 Oct 2021 23:04

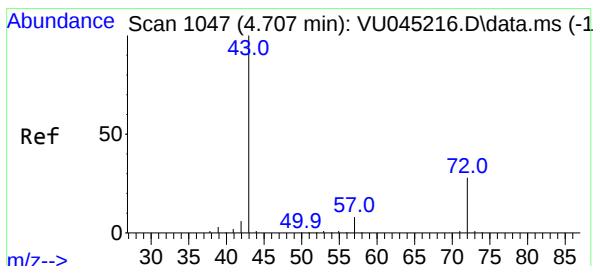
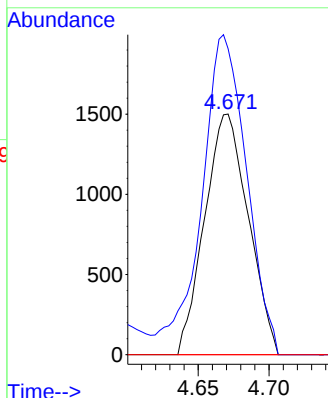
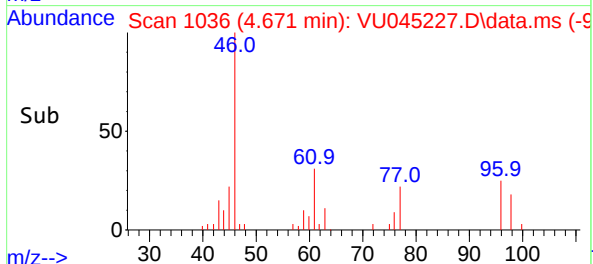
Instrument :
MSVOA_U
ClientSampled :
EW7F8



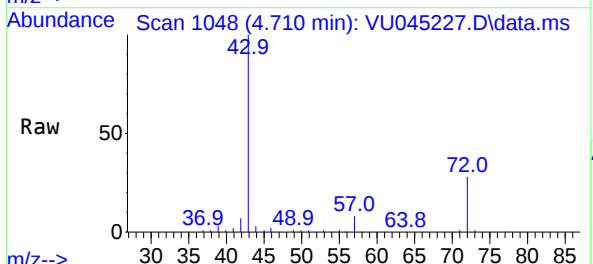
Tgt Ion: 96 Resp: 3218
Ion Ratio Lower Upper
96 100
61 127.1 100.2 186.0
68 0.0 0.0 0.0

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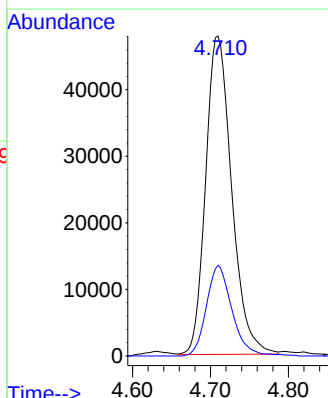
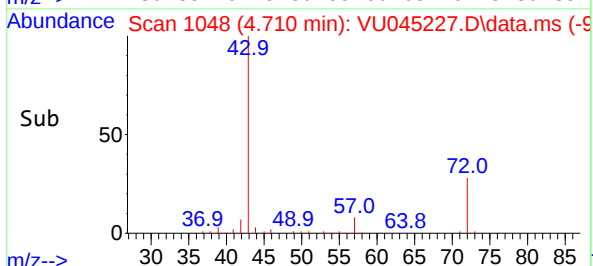
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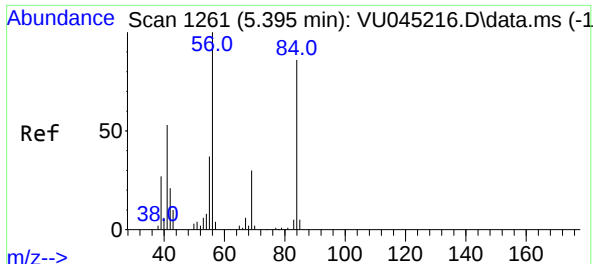


#22
2-Butanone
Concen: 33.227 ug/L
RT: 4.710 min Scan# 1048
Delta R.T. 0.003 min
Lab File: VU045227.D
Acq: 07 Oct 2021 23:04



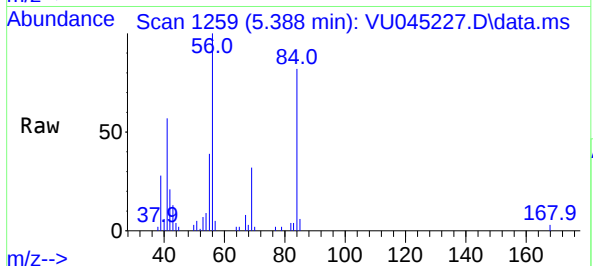
Tgt Ion: 43 Resp: 111045
Ion Ratio Lower Upper
43 100
72 27.8 13.3 39.9





#29
Cyclohexane
Concen: 3.442 ug/L
RT: 5.388 min Scan# 1259
Delta R.T. -0.007 min
Lab File: VU045227.D
Acq: 07 Oct 2021 23:04

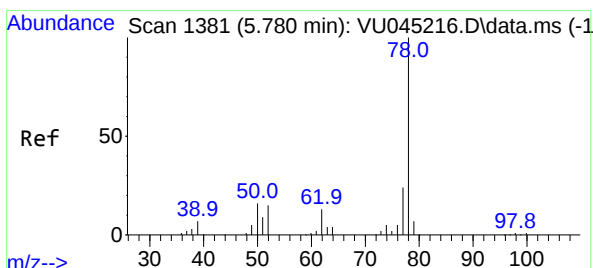
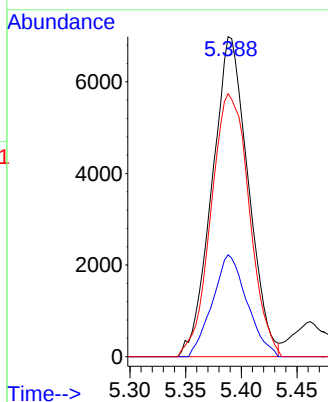
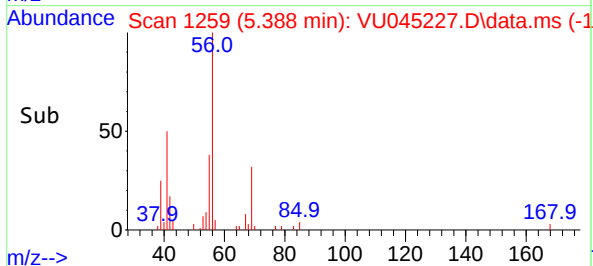
Instrument :
MSVOA_U
ClientSampled :
EW7F8



Tgt Ion: 56 Resp: 15732
Ion Ratio Lower Upper
56 100
69 30.5 23.8 35.8
84 87.0 66.8 100.2

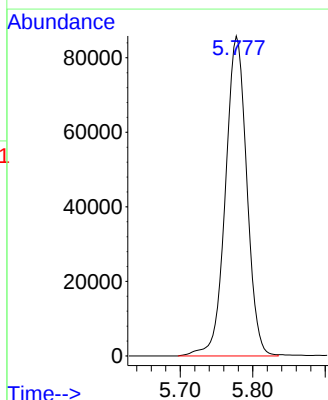
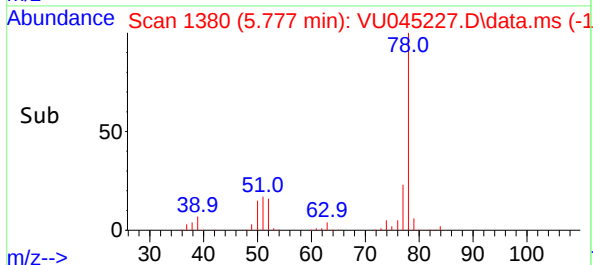
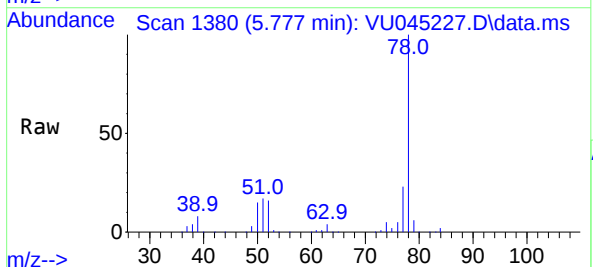
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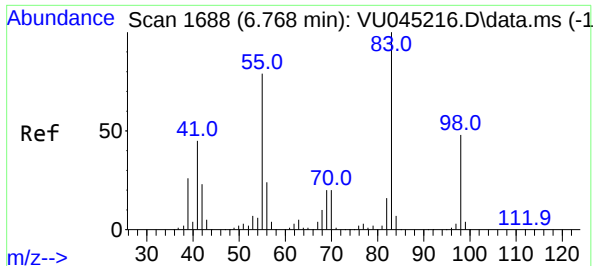
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#33
Benzene
Concen: 15.550 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.003 min
Lab File: VU045227.D
Acq: 07 Oct 2021 23:04

Tgt Ion: 78 Resp: 175364





#35

Methylcyclohexane

Concen: 10.773 ug/L

RT: 6.767 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VU045227.D

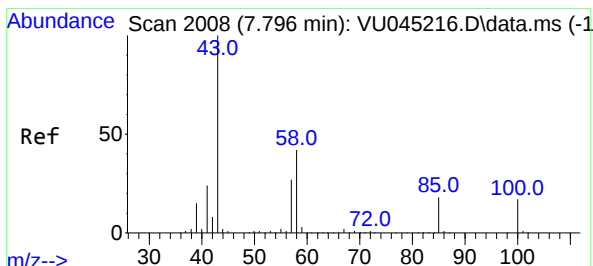
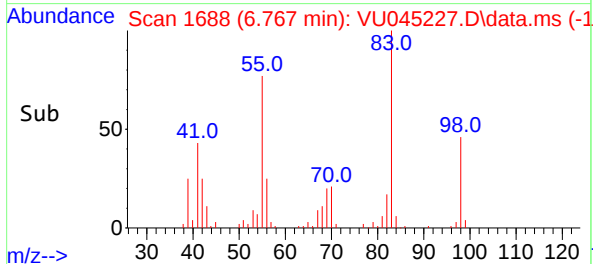
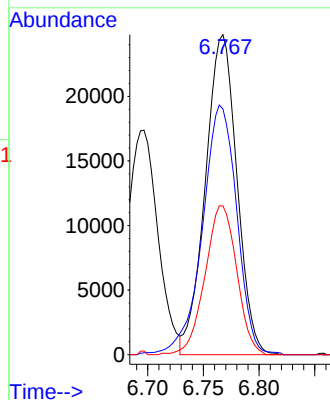
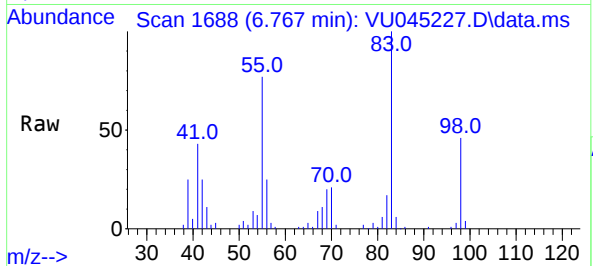
Acq: 07 Oct 2021 23:04

Tgt Ion:	83	Resp:	48857
Ion	Ratio	Lower	Upper
83	100		
55	85.1	65.8	98.6
98	46.6	37.1	55.7

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#40

4-Methyl-2-pentanone

Concen: 15.896 ug/L

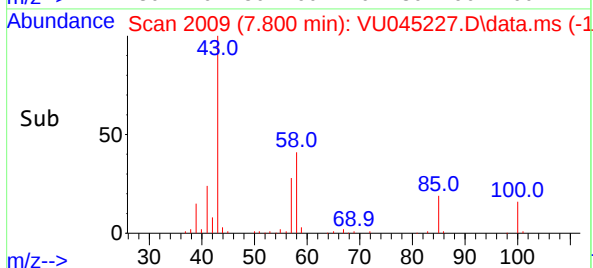
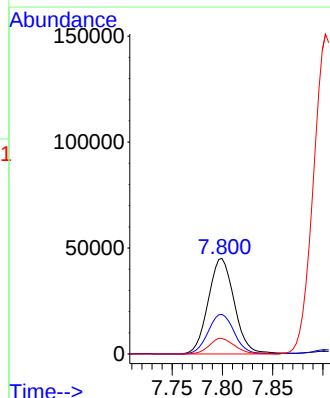
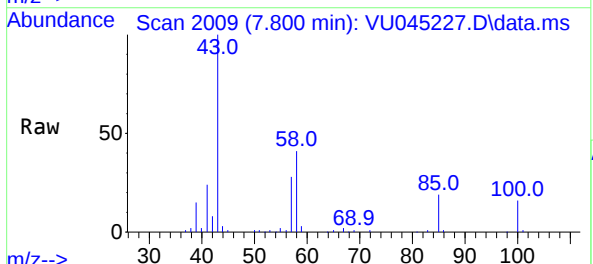
RT: 7.800 min Scan# 2009

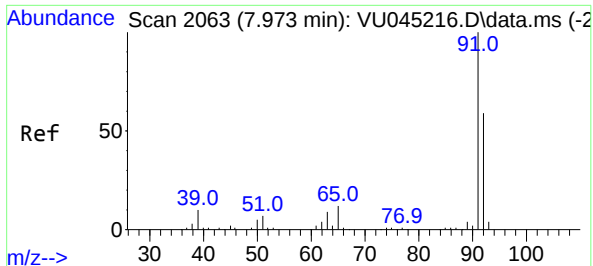
Delta R.T. 0.003 min

Lab File: VU045227.D

Acq: 07 Oct 2021 23:04

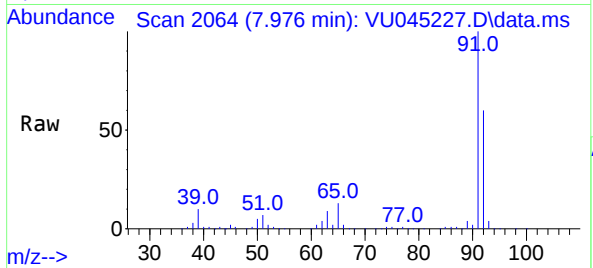
Tgt Ion:	43	Resp:	81535
Ion	Ratio	Lower	Upper
43	100		
58	41.6	31.8	47.8
100	16.0	11.8	17.6





#42
Toluene
Concen: 935.997 ug/L
RT: 7.976 min Scan# 2064
Delta R.T. 0.003 min
Lab File: VU045227.D
Acq: 07 Oct 2021 23:04

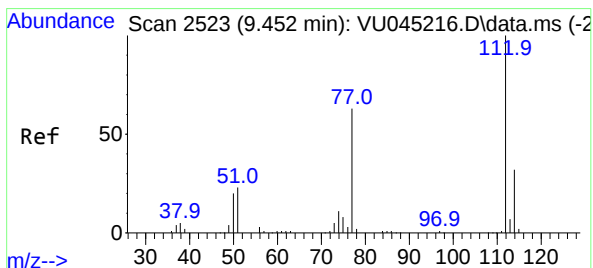
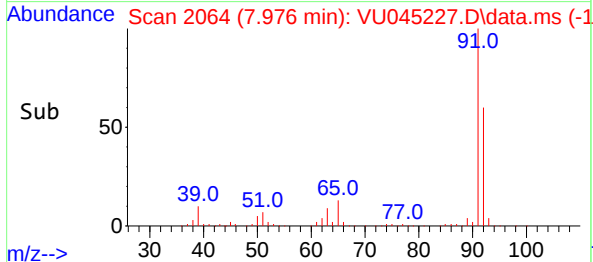
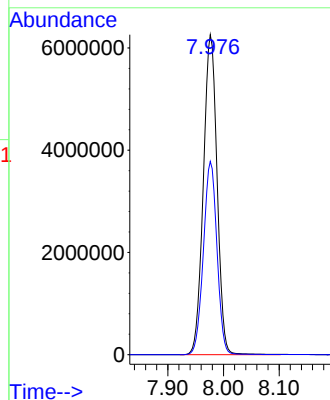
Instrument :
MSVOA_U
ClientSampled :
EW7F8



Tgt Ion: 91 Resp: 10725225
Ion Ratio Lower Upper
91 100
92 60.4 40.5 75.1

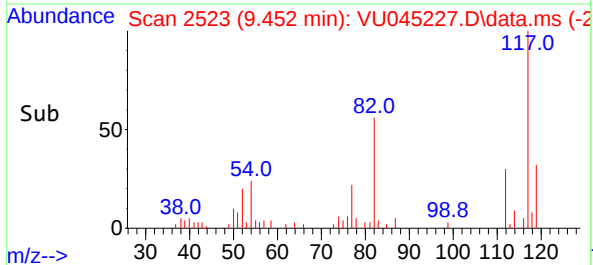
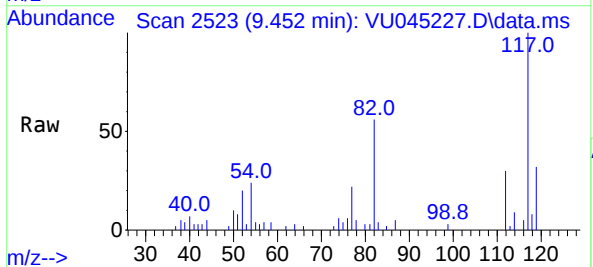
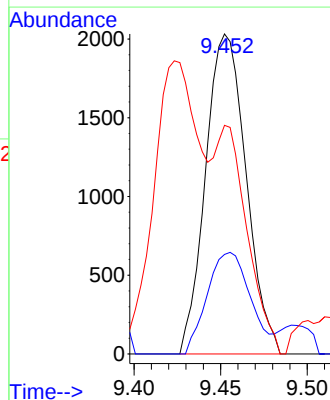
Manual Integrations
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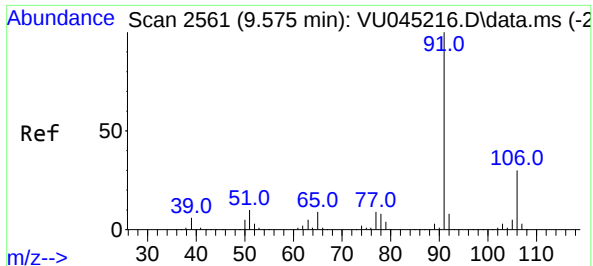
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#51
Chlorobenzene
Concen: 0.467 ug/L
RT: 9.452 min Scan# 2523
Delta R.T. -0.000 min
Lab File: VU045227.D
Acq: 07 Oct 2021 23:04

Tgt Ion: 112 Resp: 3307
Ion Ratio Lower Upper
112 100
114 31.1 22.5 41.9
77 71.5 50.6 75.8





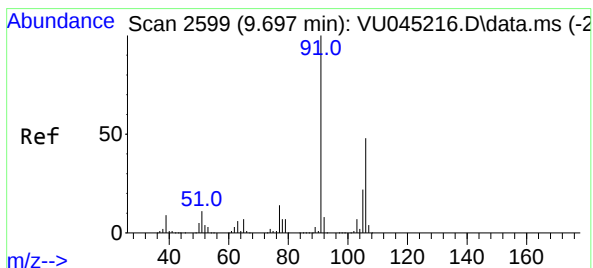
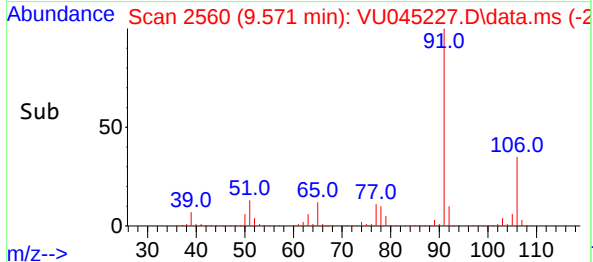
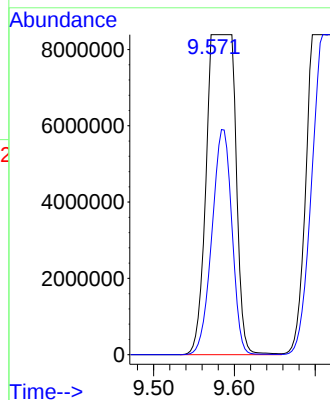
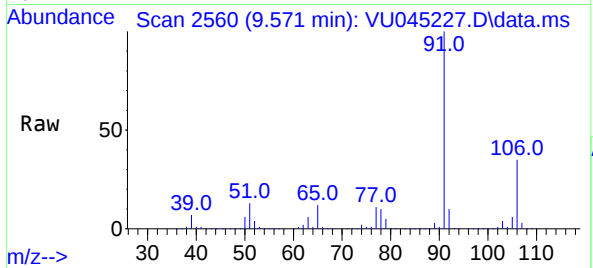
#52
Ethylbenzene
Concen: 1730.667 ug/L m
RT: 9.571 min Scan# 2560
Delta R.T. -0.003 min
Lab File: VU045227.D
Acq: 07 Oct 2021 23:04

Tgt Ion: 91 Resp: 20949478
Ion Ratio Lower Upper
91 100
106 34.7 21.2 39.4

Instrument :
MSVOA_U
ClientSampled :
EW7F8

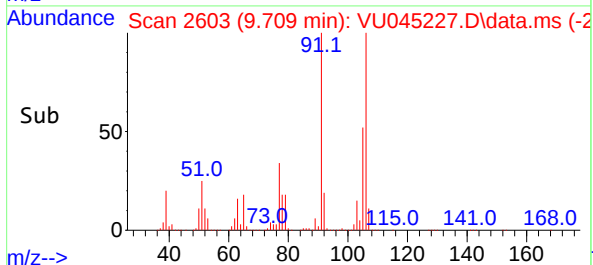
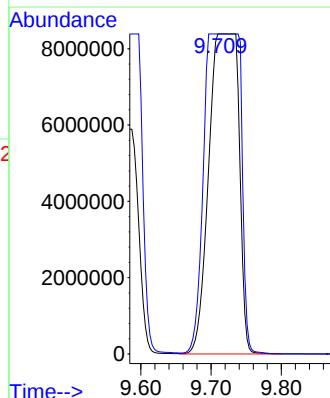
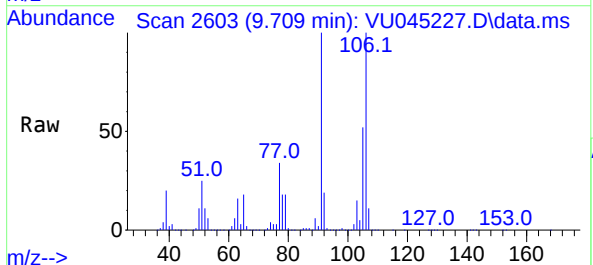
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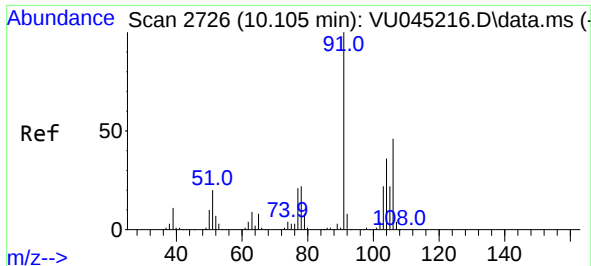
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#53
m,p-Xylene
Concen: 5394.439 ug/L m
RT: 9.709 min Scan# 2603
Delta R.T. 0.013 min
Lab File: VU045227.D
Acq: 07 Oct 2021 23:04

Tgt Ion: 106 Resp: 24736733
Ion Ratio Lower Upper
106 100
91 100.0 146.7 272.4#





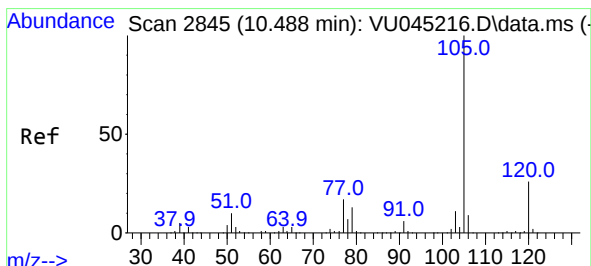
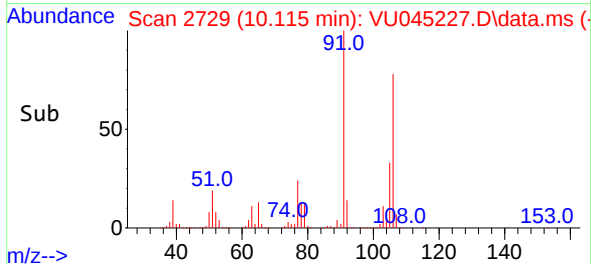
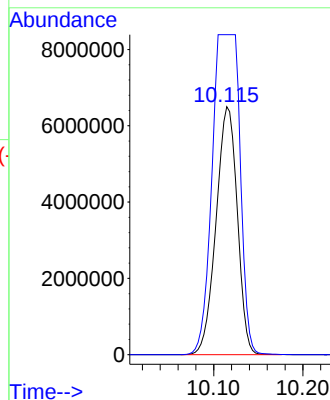
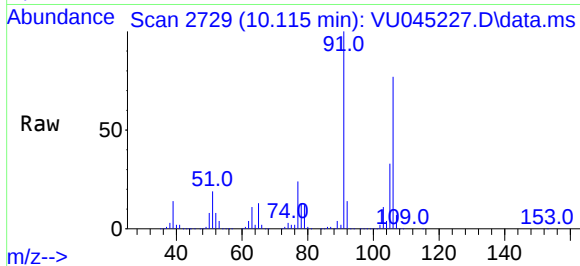
#54
o-xylene
Concen: 2382.954 ug/L m
RT: 10.115 min Scan# 2729
Delta R.T. 0.009 min
Lab File: VU045227.D
Acq: 07 Oct 2021 23:04

Tgt Ion:106 Resp:10737799
Ion Ratio Lower Upper
106 100
91 129.0 152.9 283.9#

Instrument :
MSVOA_U
ClientSampled :
EW7F8

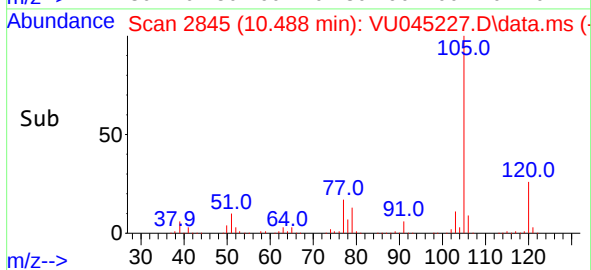
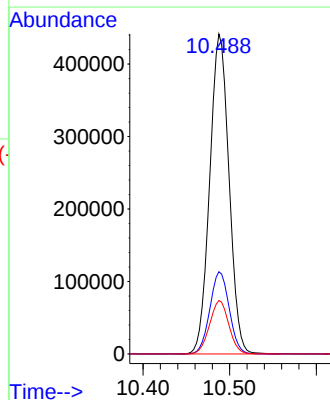
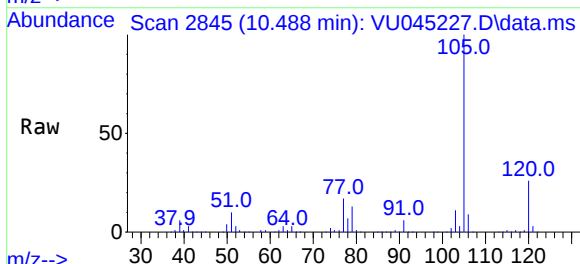
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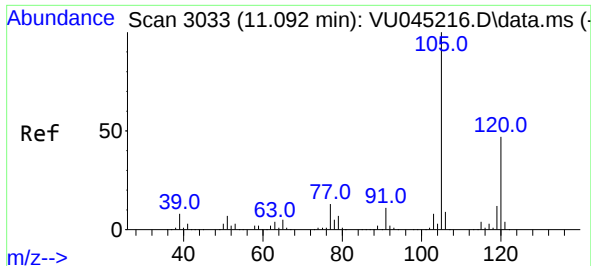
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#61
Isopropylbenzene
Concen: 62.330 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. -0.000 min
Lab File: VU045227.D
Acq: 07 Oct 2021 23:04

Tgt Ion:105 Resp: 681733
Ion Ratio Lower Upper
105 100
120 25.8 20.5 30.7
77 16.7 13.5 20.3





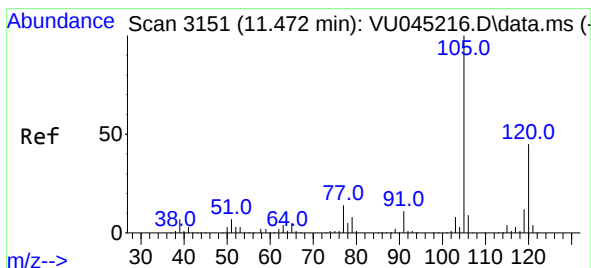
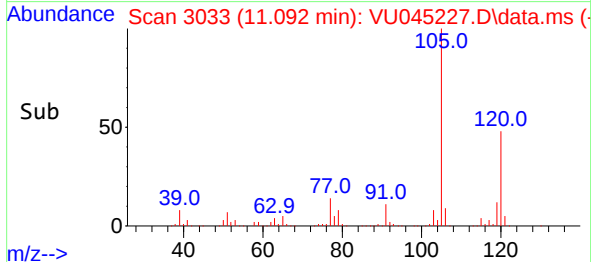
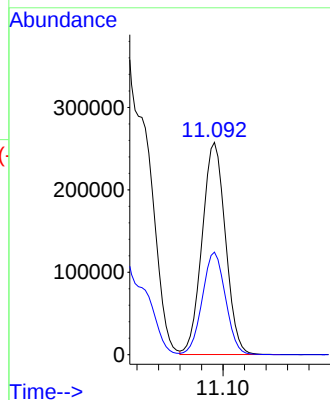
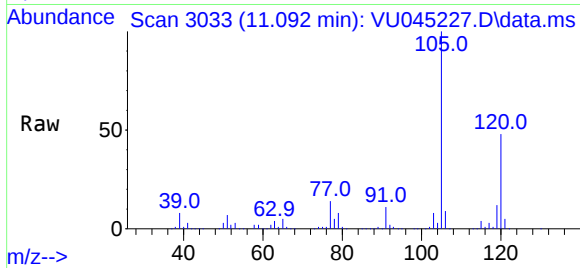
#62
1,3,5-Trimethylbenzene
Concen: 42.492 ug/L
RT: 11.092 min Scan# 3033
Delta R.T. -0.000 min
Lab File: VU045227.D
Acq: 07 Oct 2021 23:04

Tgt Ion:105 Resp: 388129
Ion Ratio Lower Upper
105 100
120 48.1 38.8 58.2

Instrument :
MSVOA_U
ClientSampleId :
EW7F8

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#63
1,2,4-Trimethylbenzene
Concen: 137.855 ug/L
RT: 11.471 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VU045227.D
Acq: 07 Oct 2021 23:04

Tgt Ion:105 Resp: 1289439
Ion Ratio Lower Upper
105 100
120 44.4 35.7 53.5

