

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061919\
 Data File : VU032859.D
 Acq On : 19 Jun 2019 15:35
 Operator : JC/SP
 Sample : K3413-17
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GALG5

Quant Time: Jun 20 05:18:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 20 05:14:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	96817	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	92347	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	50206	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	27644	4.39	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.80%
7) Chloroethane-d5	1.68	69	23601	4.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.80%
11) 1,1-Dichloroethene-d2	2.27	63	45834	3.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.80%
20) 2-Butanone-d5	4.19	46	95719	54.49	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.98%
24) Chloroform-d	4.64	84	56994	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
26) 1,2-Dichloroethane-d4	5.31	65	32957	5.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.00%
32) Benzene-d6	5.33	84	112044	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
36) 1,2-Dichloropropane-d6	6.32	67	36551	5.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.40%
41) Toluene-d8	7.56	98	104255	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
43) trans-1,3-Dichloropropene-	7.85	79	14942	4.94	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.80%
46) 2-Hexanone-d5	8.31	63	73589	48.57	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.14%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	31410	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.40%
64) 1,2-Dichlorobenzene-d4	11.85	152	45003	4.98	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acetone	2.30	43	337314	247.390	ug/L	54
15) Methyl Acetate	2.70	43	540146	144.379	ug/L #	53
16) Methylene chloride	2.70	84	3116	0.457	ug/L #	1
21) 2-Butanone	4.29	43	2637	1.330	ug/L	78
30) Cyclohexane	4.98	56	13914	1.170	ug/L	93
33) Benzene	5.38	78	86626	3.182	ug/L	100
35) Methylcyclohexane	6.39	83	12778	1.014	ug/L #	53
38) Bromodichloromethane	6.73	83	869	0.096	ug/L #	27
42) Toluene	7.63	91	5872	0.194	ug/L	99
44) trans-1,3-Dichloropropene	7.84	75	706	0.082	ug/L #	52
45) 1,1,2-Trichloroethane	8.04	97	7844	1.530	ug/L #	19
52) Ethylbenzene	9.25	91	10851	0.324	ug/L	98
53) m,p-Xylene	9.37	106	3017	0.238	ug/L	94
56) Isopropylbenzene	10.16	105	2833	0.085	ug/L	93
59) 1,2,3-Trichloropropane	11.48	75	6486	1.402	ug/L #	86

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jun 20 05:14:15 2019
Response via : Initial Calibration

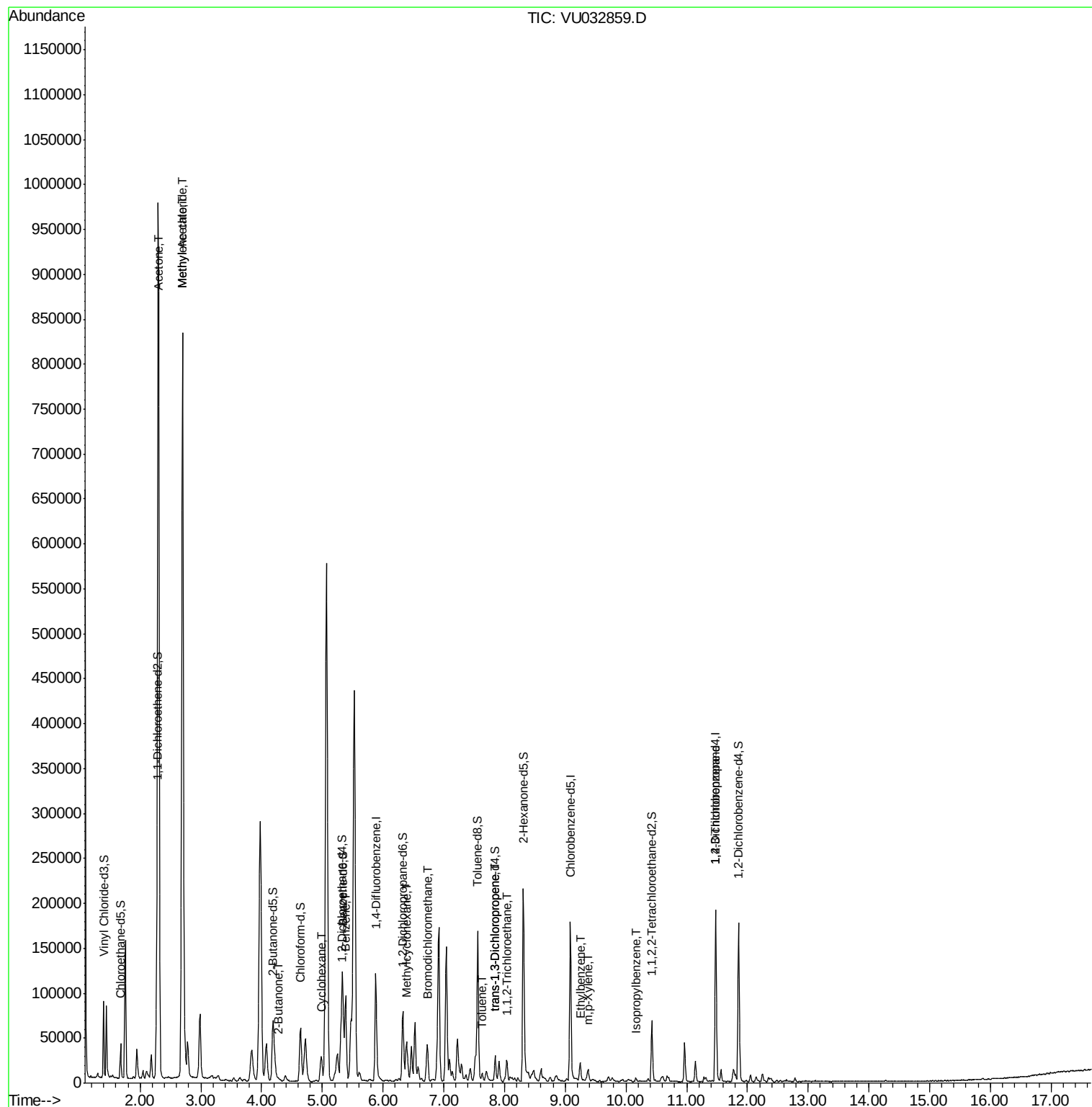
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

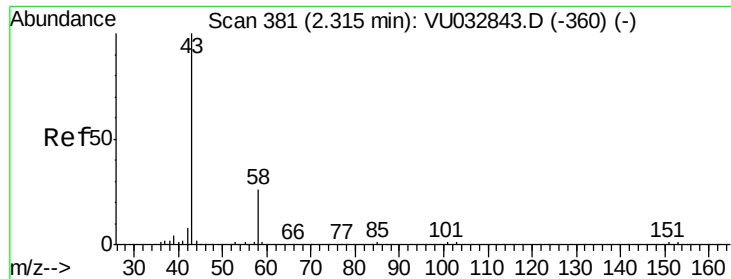
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU061919\
Data File : VU032859.D
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#13

Acetone

Concen: 247.390 ug/L

RT: 2.30 min Scan# 376

Delta R.T. -0.02 min

Lab File: VU032859.D

Acq: 19 Jun 2019 15:35

Instrument :

MSVOA_U

ClientSampleId :

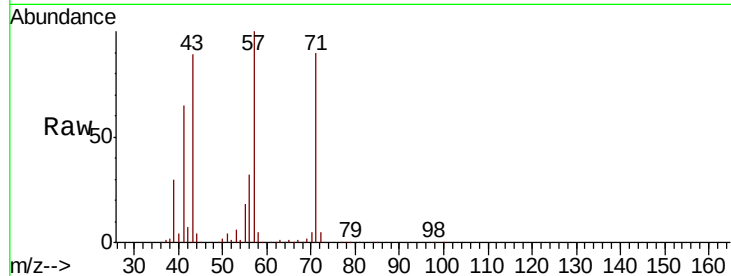
GALG5

Tgt Ion: 43 Resp: 337314

Ion Ratio Lower Upper

43 100

58 5.6 0.0 60.8



Abundance Ion 43.05 (42.75 to 43.75): VU032843.D (-360) (-)

Ion 58.05 (57.75 to 58.75): VU032843.D (-360) (-)

2.30

200000

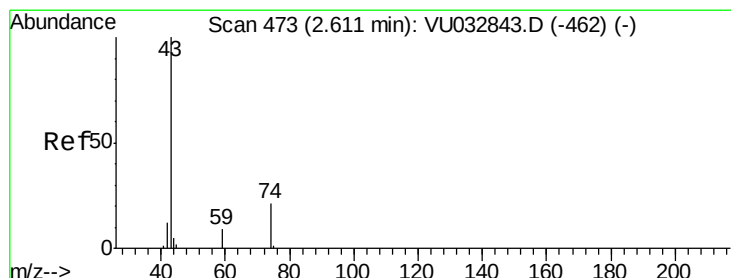
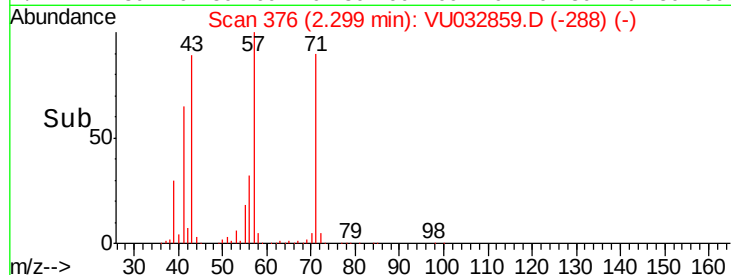
150000

100000

50000

0

Time-->



#15

Methyl Acetate

Concen: 144.379 ug/L

RT: 2.70 min Scan# 500

Delta R.T. 0.09 min

Lab File: VU032859.D

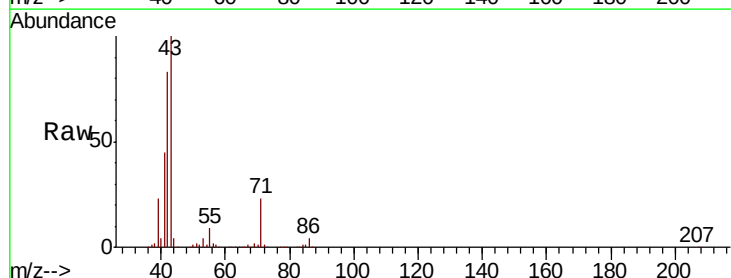
Acq: 19 Jun 2019 15:35

Tgt Ion: 43 Resp: 540146

Ion Ratio Lower Upper

43 100

74 0.0 17.8 26.8#



Abundance Ion 43.05 (42.75 to 43.75): VU032843.D (-462) (-)

Ion 74.05 (73.75 to 74.75): VU032843.D (-462) (-)

2.70

300000

250000

200000

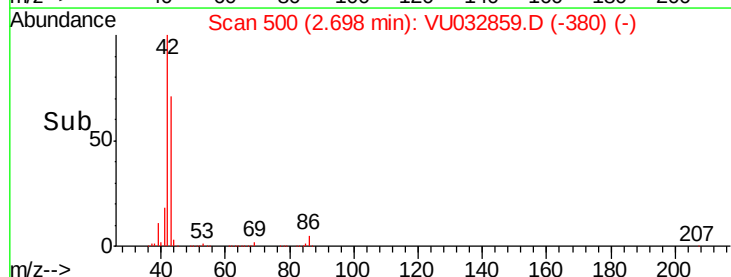
150000

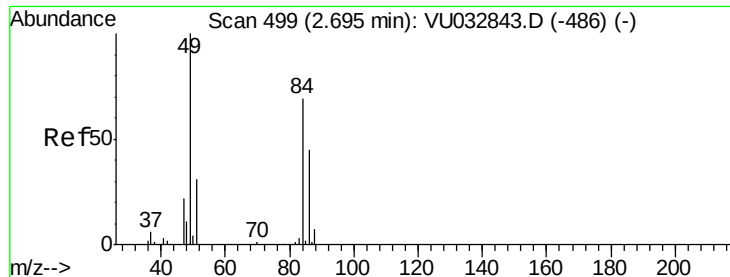
100000

50000

0

Time-->

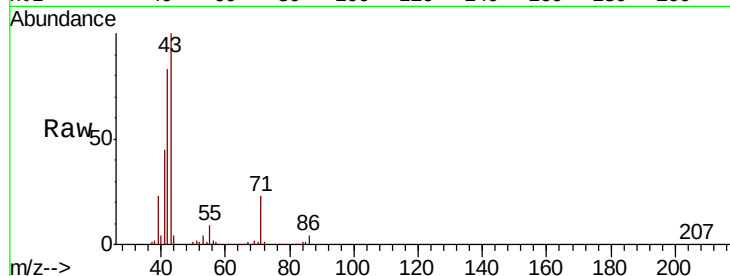




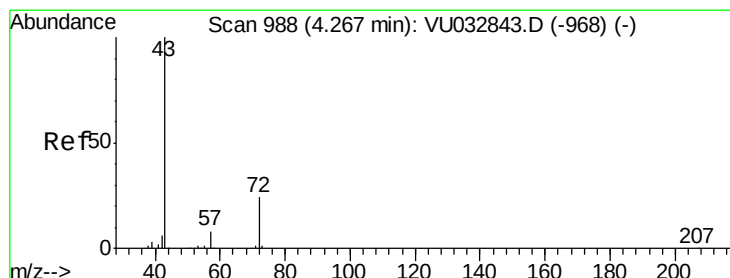
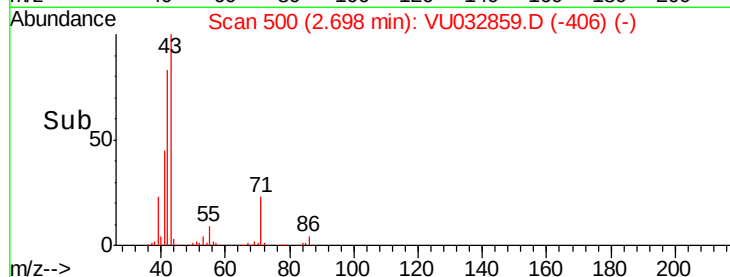
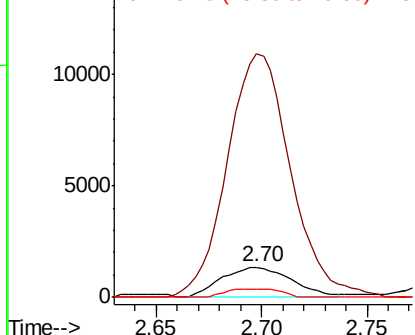
#16
Methylene chloride
Concen: 0.457 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU032859.D
Acq: 19 Jun 2019 15:35

Instrument :
MSVOA_U
ClientSampleId :
GALG5

Tgt Ion: 84 Resp: 3116
Ion Ratio Lower Upper
84 100
86 804.0 47.2 87.6#
49 27.1 95.9 178.1#

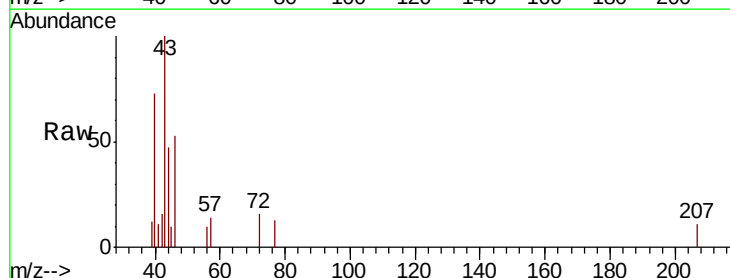


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

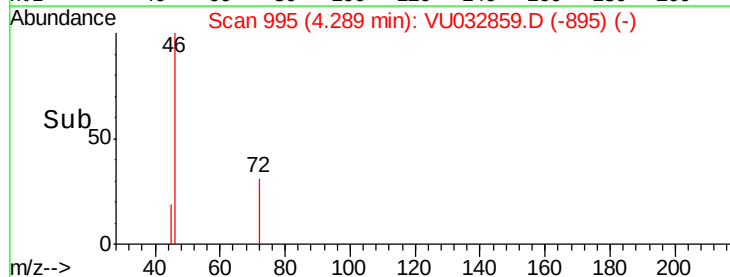
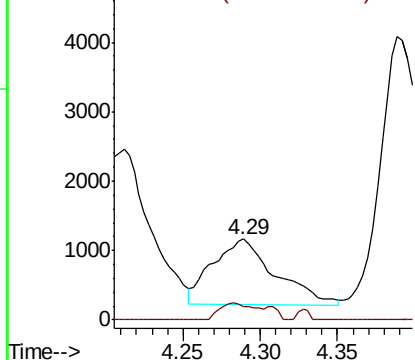


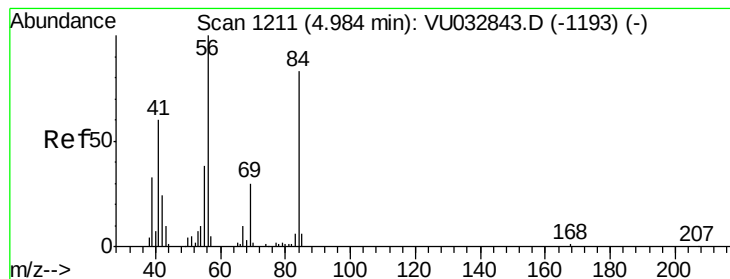
#21
2-Butanone
Concen: 1.330 ug/L
RT: 4.29 min Scan# 995
Delta R.T. 0.02 min
Lab File: VU032859.D
Acq: 19 Jun 2019 15:35

Tgt Ion: 43 Resp: 2637
Ion Ratio Lower Upper
43 100
72 14.7 13.1 39.3



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 72.10 (71.80 to 72.80): VU0





#30

Cyclohexane

Concen: 1.170 ug/L

RT: 4.98 min Scan# 1210

Delta R.T. -0.00 min

Lab File: VU032859.D

Acq: 19 Jun 2019 15:35

Instrument :

MSVOA_U

ClientSampleId :

GALG5

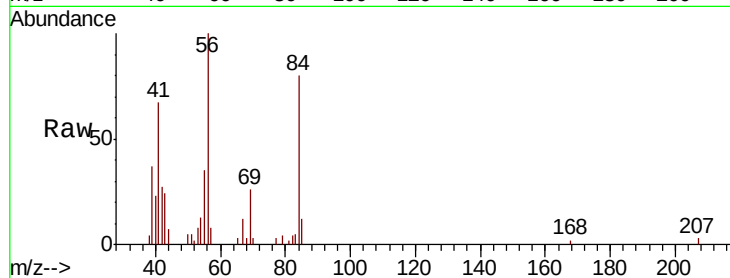
Tgt Ion: 56 Resp: 13914

Ion Ratio Lower Upper

56 100

69 26.9 24.9 37.3

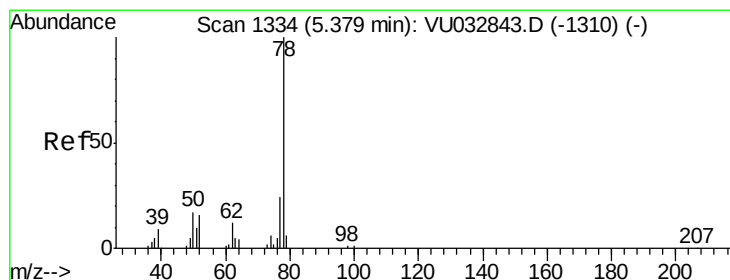
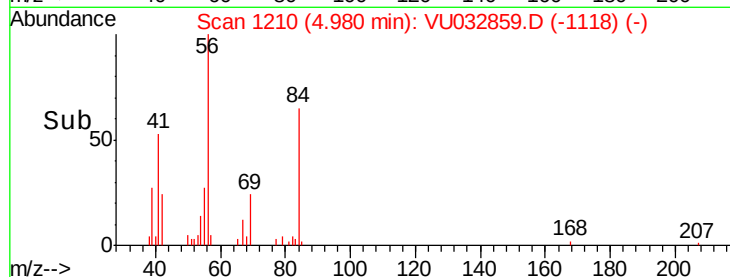
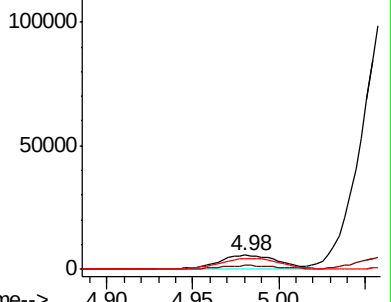
84 81.3 70.2 105.2



Abundance Ion 56.10 (55.80 to 56.80): VU032843.D (-1193) (-)

Ion 69.15 (68.85 to 69.85): VU032843.D (-1193) (-)

Ion 84.15 (83.85 to 84.85): VU032843.D (-1193) (-)



#33

Benzene

Concen: 3.182 ug/L

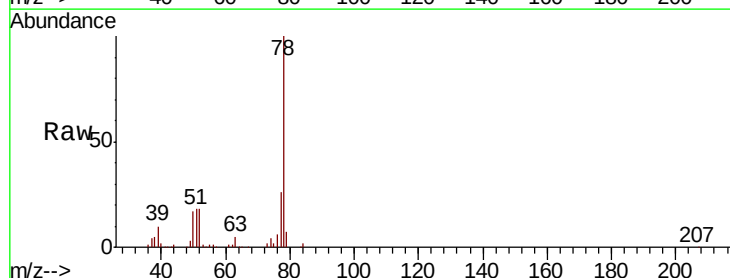
RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

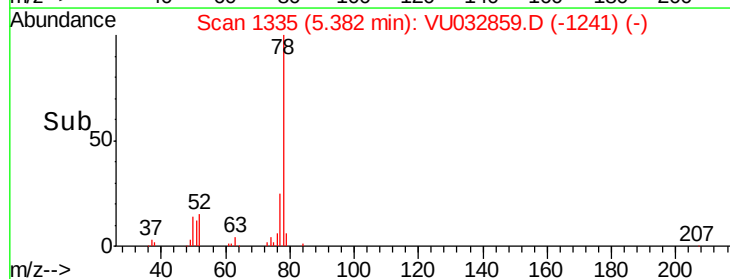
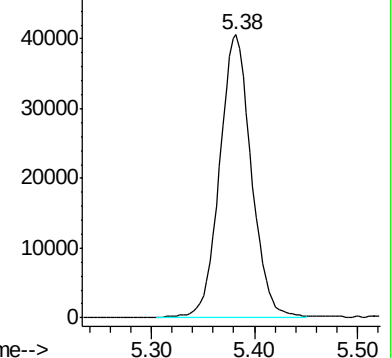
Lab File: VU032859.D

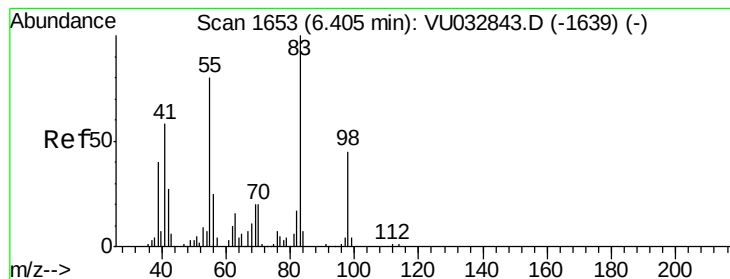
Acq: 19 Jun 2019 15:35

Tgt Ion: 78 Resp: 86626



Abundance Ion 78.10 (77.80 to 78.80): VU032843.D (-1310) (-)





#35

Methylcyclohexane

Concen: 1.014 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. -0.01 min

Lab File: VU032859.D

Acq: 19 Jun 2019 15:35

Instrument :

MSVOA_U

ClientSampled :

GALG5

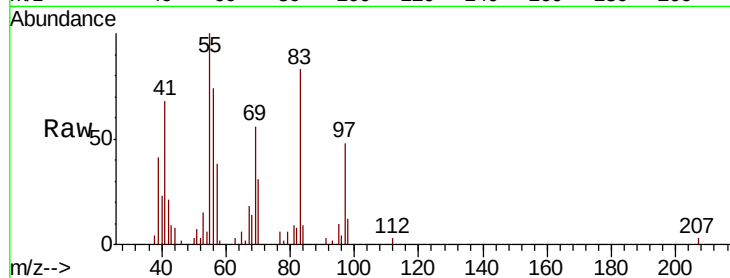
Tgt Ion: 83 Resp: 12778

Ion Ratio Lower Upper

83 100

55 120.4 60.0 90.0#

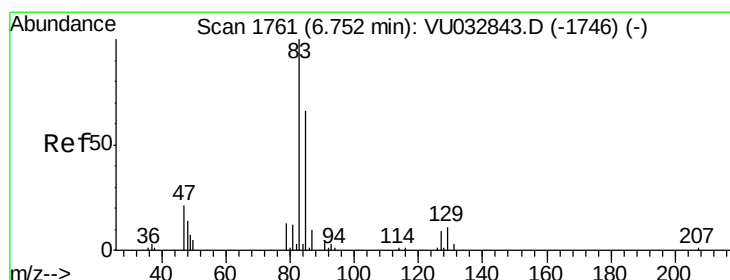
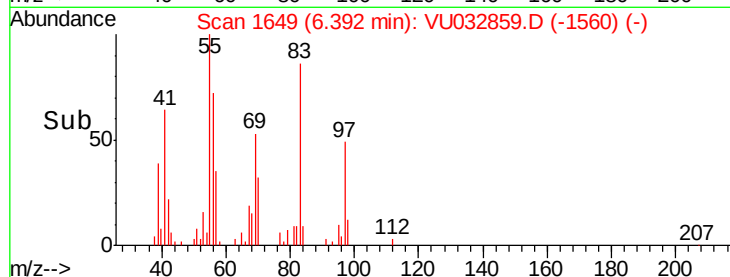
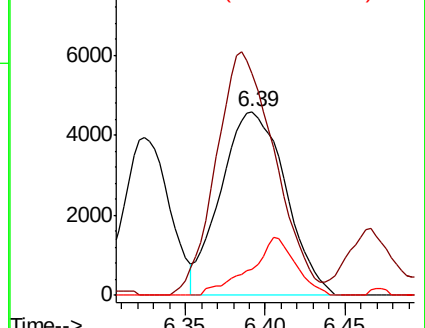
98 22.4 37.8 56.8#



Abundance Ion 83.15 (82.85 to 83.85): VU032843.D (-1639) (-)

Ion 55.10 (54.80 to 55.80): VU032843.D (-1639) (-)

Ion 98.15 (97.85 to 98.85): VU032843.D (-1639) (-)



#38

Bromodichloromethane

Concen: 0.096 ug/L

RT: 6.73 min Scan# 1753

Delta R.T. -0.03 min

Lab File: VU032859.D

Acq: 19 Jun 2019 15:35

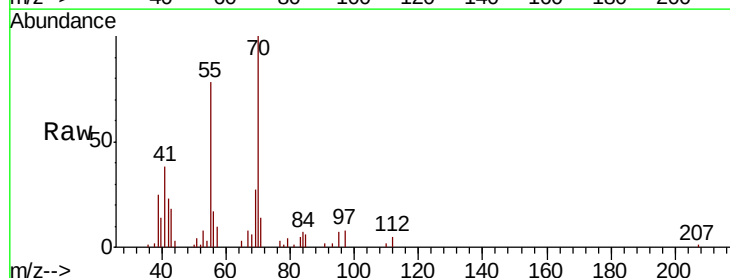
Tgt Ion: 83 Resp: 869

Ion Ratio Lower Upper

83 100

85 126.9 45.2 84.0#

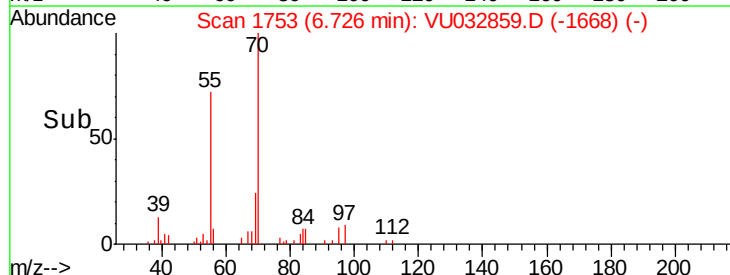
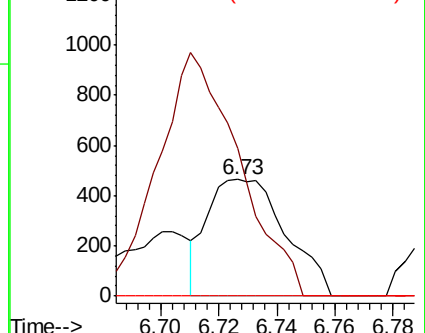
127 0.0 7.4 11.2#

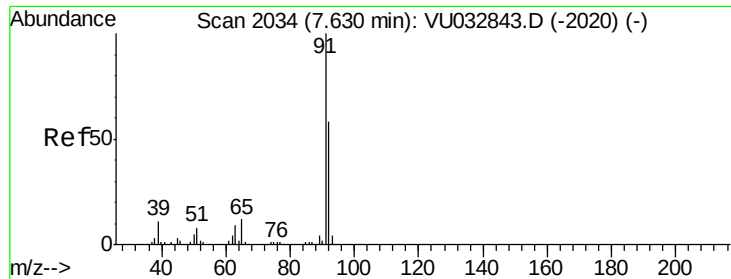


Abundance Ion 82.95 (82.65 to 83.65): VU032843.D (-1746) (-)

Ion 85.00 (84.70 to 85.70): VU032843.D (-1746) (-)

Ion 126.90 (126.60 to 127.60): VU032843.D (-1746) (-)





#42

Toluene

Concen: 0.194 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU032859.D

Acq: 19 Jun 2019 15:35

Instrument :

MSVOA_U

ClientSampleId :

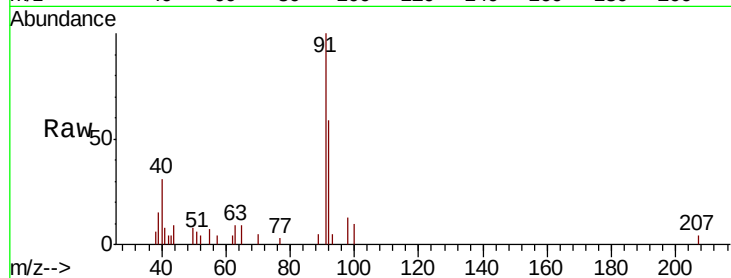
GALG5

Tgt Ion: 91 Resp: 5872

Ion Ratio Lower Upper

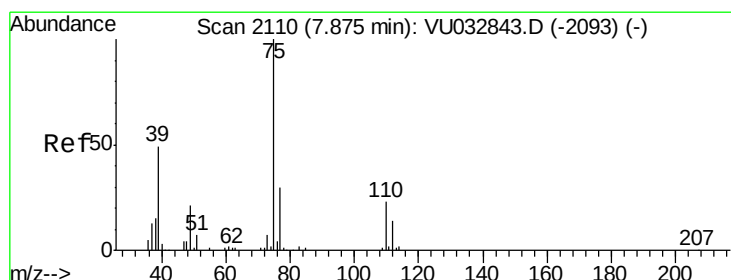
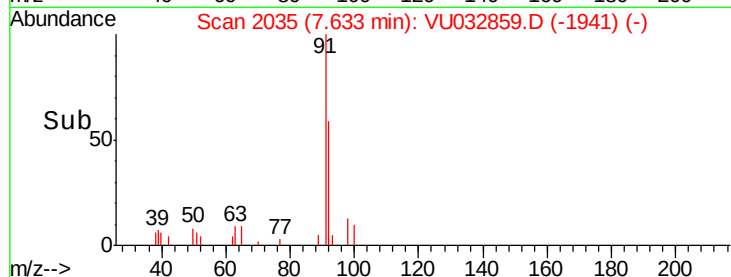
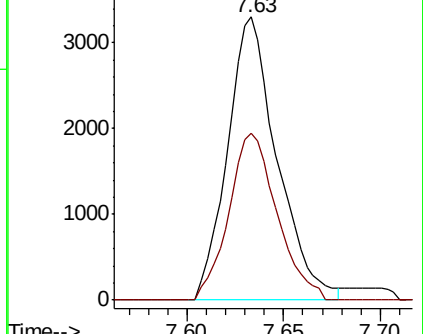
91 100

92 59.0 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU032843.D (-2020) (-)

Ion 92.15 (91.85 to 92.85): VU032843.D (-2020) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.082 ug/L

RT: 7.84 min Scan# 2099

Delta R.T. -0.04 min

Lab File: VU032859.D

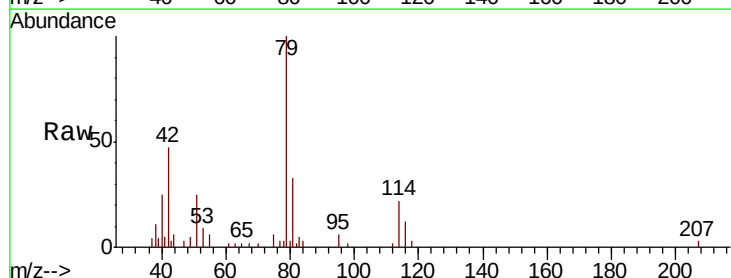
Acq: 19 Jun 2019 15:35

Tgt Ion: 75 Resp: 706

Ion Ratio Lower Upper

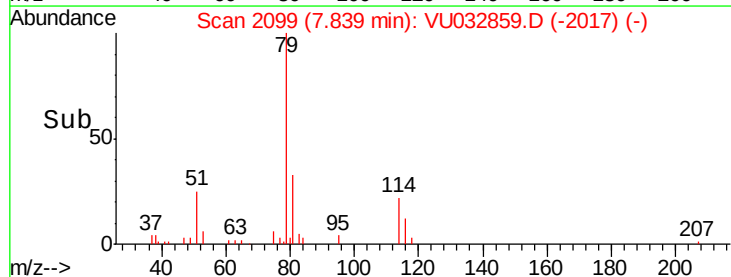
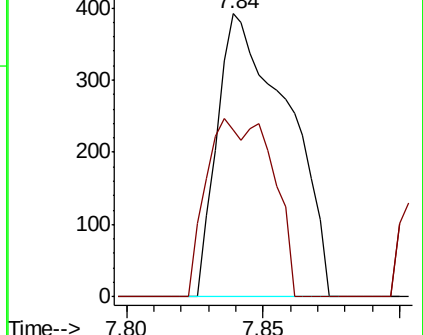
75 100

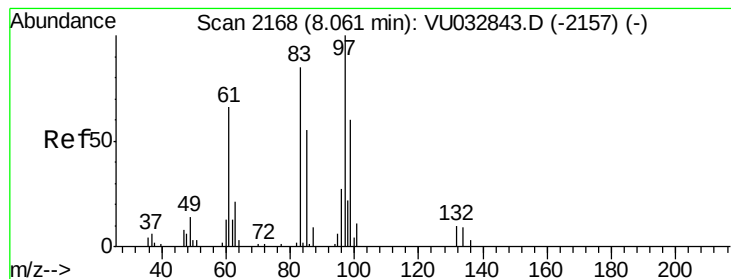
77 58.7 22.5 41.7#



Abundance Ion 75.05 (74.75 to 75.75): VU032843.D (-2093) (-)

Ion 77.05 (76.75 to 77.75): VU032843.D (-2093) (-)





#45

1,1,2-Trichloroethane

Concen: 1.530 ug/L

RT: 8.04 min Scan# 2161

Delta R.T. -0.02 min

Lab File: VU032859.D

Acq: 19 Jun 2019 15:35

Instrument :

MSVOA_U

ClientSampleId :

GALG5

Tgt Ion: 97 Resp: 7844

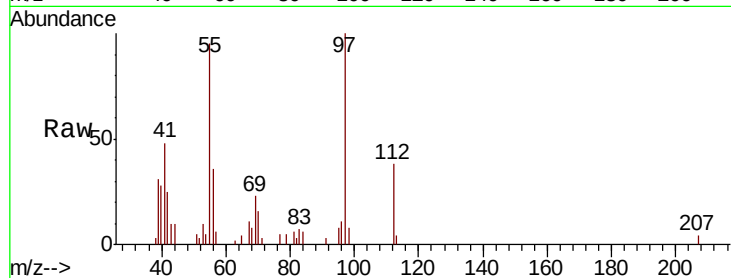
Ion Ratio Lower Upper

97 100

99 0.0 44.9 83.3#

83 7.1 58.7 108.9#

85 0.0 37.9 70.5#

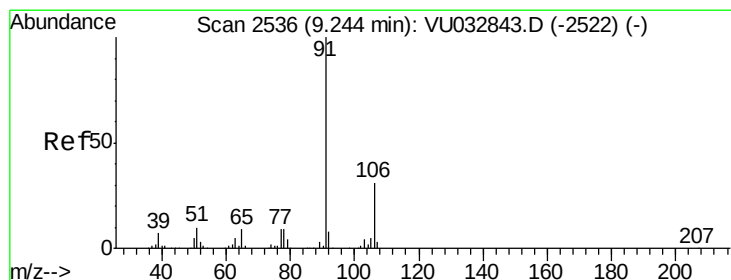
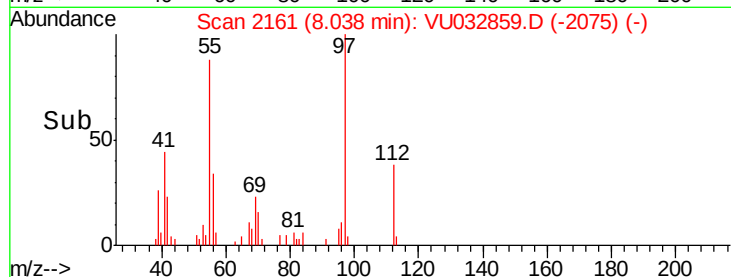
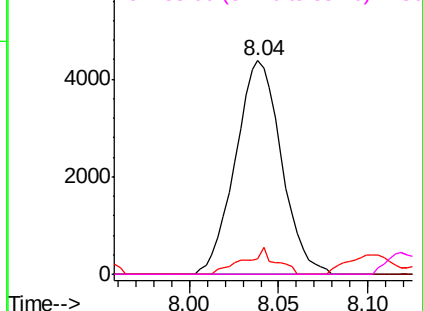


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#52

Ethylbenzene

Concen: 0.324 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU032859.D

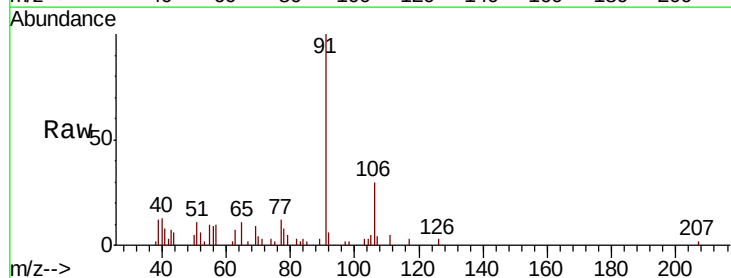
Acq: 19 Jun 2019 15:35

Tgt Ion: 91 Resp: 10851

Ion Ratio Lower Upper

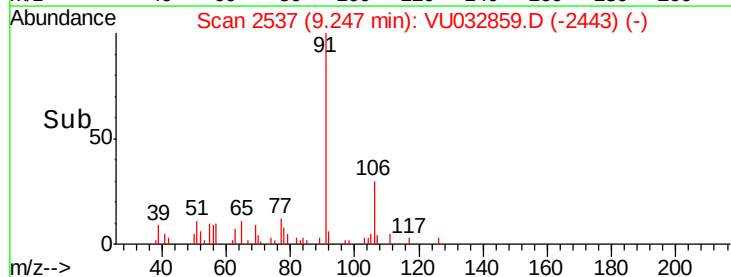
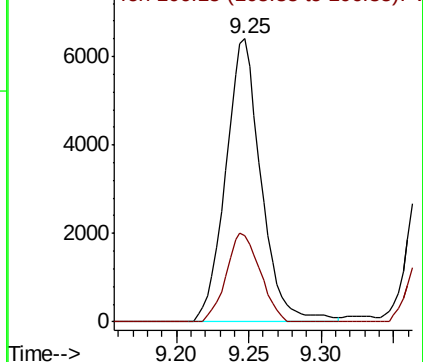
91 100

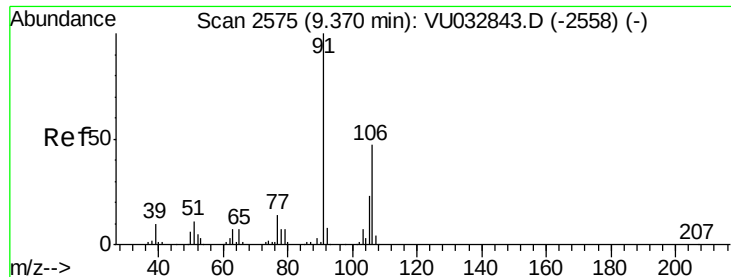
106 30.3 21.8 40.6



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): V





#53

m,p-Xylene

Concen: 0.238 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU032859.D

Acq: 19 Jun 2019 15:35

Instrument :

MSVOA_U

ClientSampled :

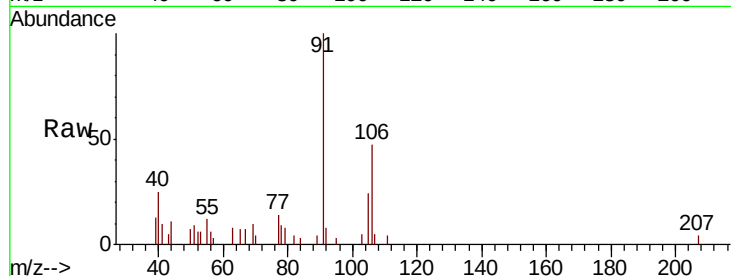
GALG5

Tgt Ion:106 Resp: 3017

Ion Ratio Lower Upper

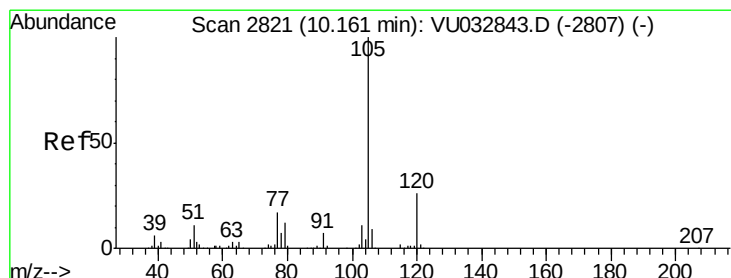
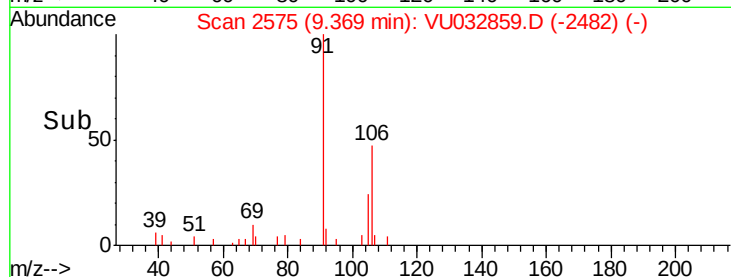
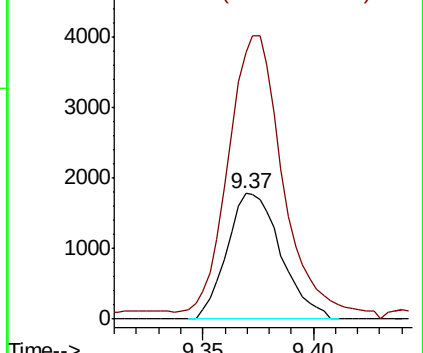
106 100

91 212.7 142.4 264.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#56

Isopropylbenzene

Concen: 0.085 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. -0.00 min

Lab File: VU032859.D

Acq: 19 Jun 2019 15:35

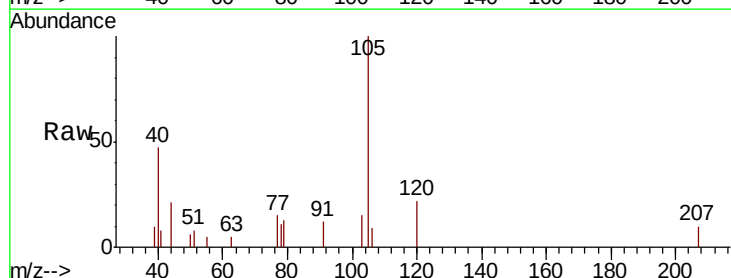
Tgt Ion:105 Resp: 2833

Ion Ratio Lower Upper

105 100

120 22.3 21.6 32.4

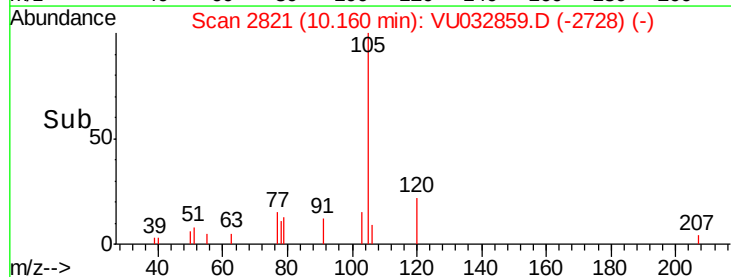
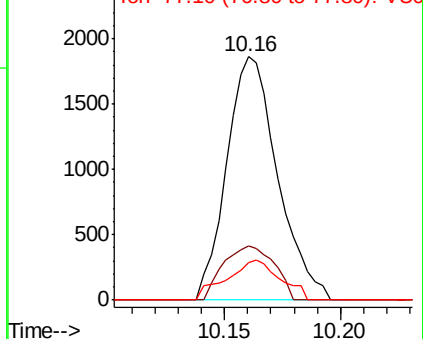
77 17.2 12.3 18.5

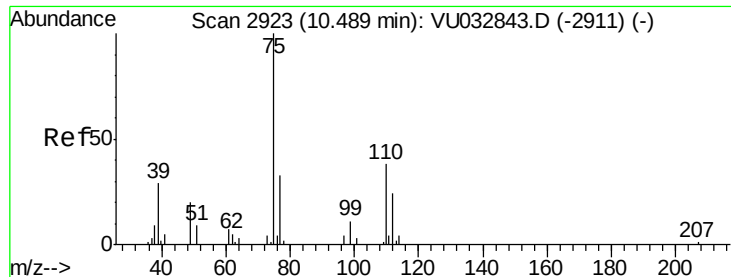


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VU0





#59

1,2,3-Trichloropropane

Concen: 1.402 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032859.D

Acq: 19 Jun 2019 15:35

Instrument :

MSVOA_U

ClientSampleId :

GALG5

Tgt Ion: 75 Resp: 6486

Ion Ratio Lower Upper

75 100

77 39.6 25.3 37.9#

