

Data File : VU035609.D
Acq On : 04 Nov 2019 15:42
Operator : JC/SP
Sample : K5656-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
A5456

Quant Time: Nov 05 02:40:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 05 02:35:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	250314	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	277009	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	98991	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	99399	3.86	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.20%
7) Chloroethane-d5	1.93	69	89989	4.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.40%
11) 1,1-Dichloroethene-d2	2.59	63	127351	2.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.80%#
20) 2-Butanone-d5	4.70	46	238309	41.89	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.78%
24) Chloroform-d	5.11	84	166817	4.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.20%
26) 1,2-Dichloroethane-d4	5.75	65	90154	4.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.60%
32) Benzene-d6	5.77	84	339487	3.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.80%
36) 1,2-Dichloropropane-d6	6.74	67	116083	4.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.40%
41) Toluene-d8	7.93	98	290326	3.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.40%
43) trans-1,3-Dichloropropene-	8.22	79	40397	3.59	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	71.80%
46) 2-Hexanone-d5	8.70	63	165572	37.52	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	75.04%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	93155	3.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	78.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	86898	4.43	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.60%

Target Compounds

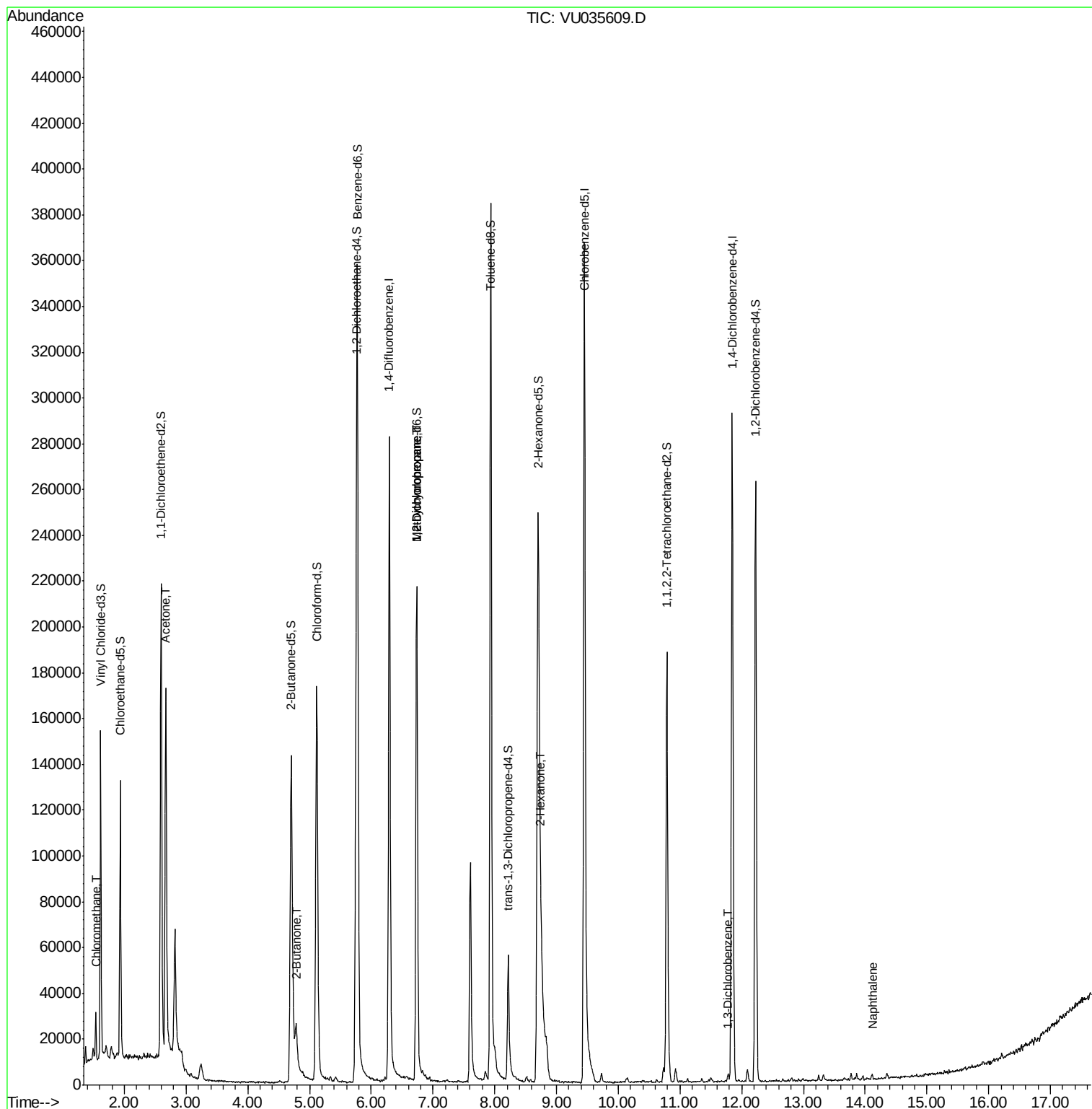
					Qvalue
3) Chloromethane	1.54	50	14365	0.462	ug/L 96
13) Acetone	2.67	43	186655	45.510	ug/L 99
21) 2-Butanone	4.79	43	24257	3.983	ug/L 99
35) Methylcyclohexane	6.74	83	25696	0.676	ug/L # 18
37) 1,2-Dichloropropane	6.74	63	12353	0.481	ug/L # 87
48) 2-Hexanone	8.75	43	14706	1.401	ug/L # 95
62) 1,3-Dichlorobenzene	11.78	146	2210	0.066	ug/L 88
69) Naphthalene	14.11	128	1751	0.110	ug/L # 87

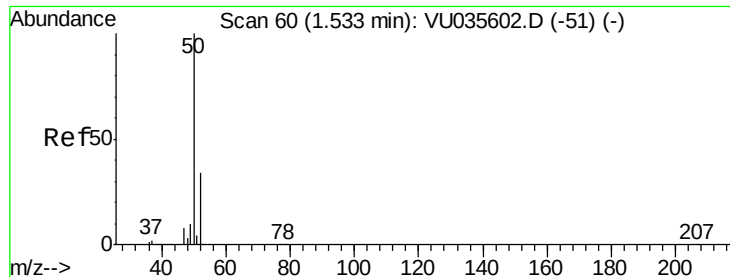
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.462 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU035609.D

Acq: 04 Nov 2019 15:42

Instrument :

MSVOA_U

ClientSampled :

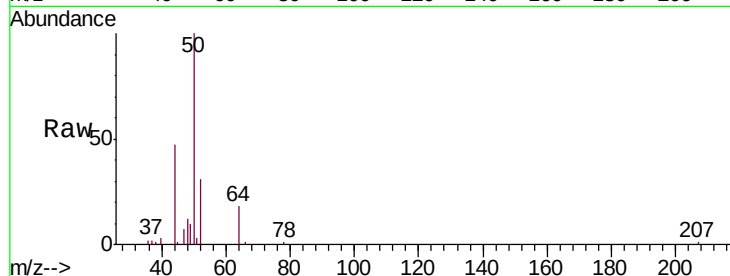
A5456

Tgt Ion: 50 Resp: 14365

Ion Ratio Lower Upper

50 100

52 31.5 23.4 43.6



Abundance Ion 50.05 (49.75 to 50.75): VU035602.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU035609.D (-325) (-)

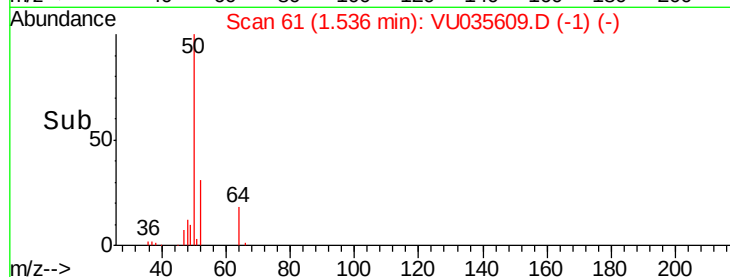
15000

10000

5000

0

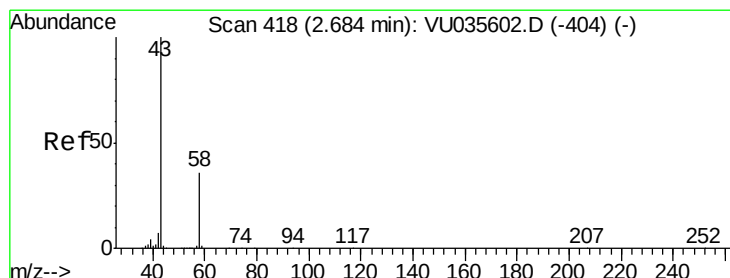
Time-->



1.54

1.55

1.60



#13

Acetone

Concen: 45.510 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.01 min

Lab File: VU035609.D

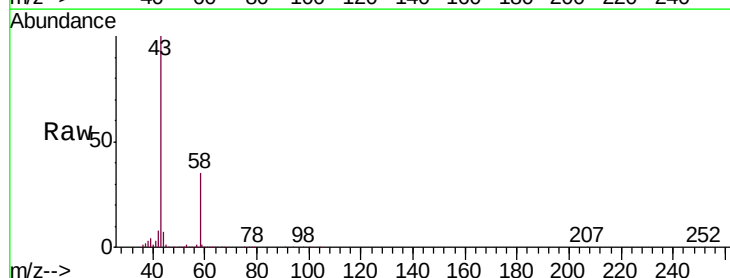
Acq: 04 Nov 2019 15:42

Tgt Ion: 43 Resp: 186655

Ion Ratio Lower Upper

43 100

58 35.2 0.0 69.8



Abundance Ion 43.05 (42.75 to 43.75): VU035602.D (-404) (-)

Ion 58.05 (57.75 to 58.75): VU035609.D (-325) (-)

120000

100000

80000

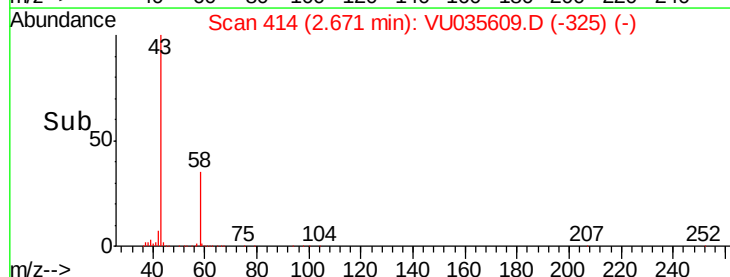
60000

40000

20000

0

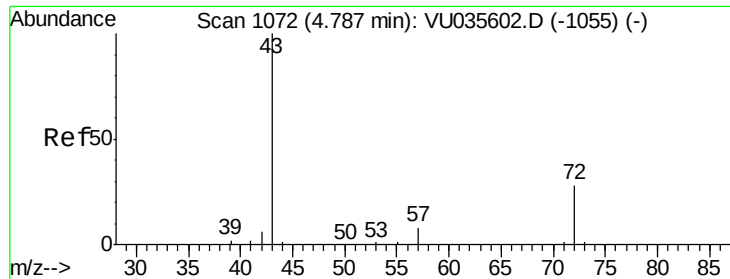
Time-->



2.67

2.70

2.80



#21

2-Butanone

Concen: 3.983 ug/L

RT: 4.79 min Scan# 1072

Delta R.T. 0.00 min

Lab File: VU035609.D

Acq: 04 Nov 2019 15:42

Instrument :

MSVOA_U

ClientSampleId :

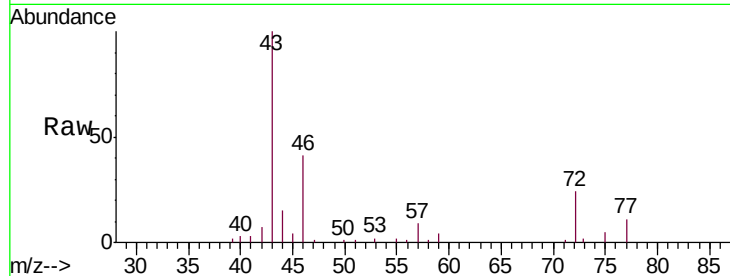
A5456

Tgt Ion: 43 Resp: 24257

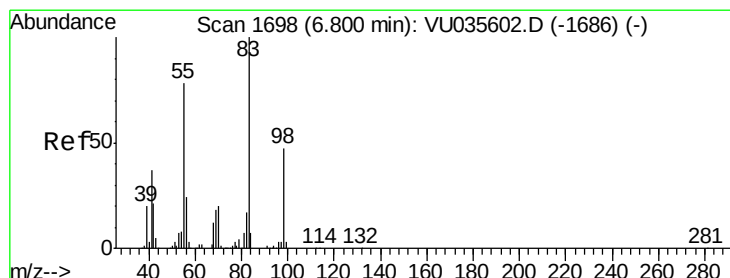
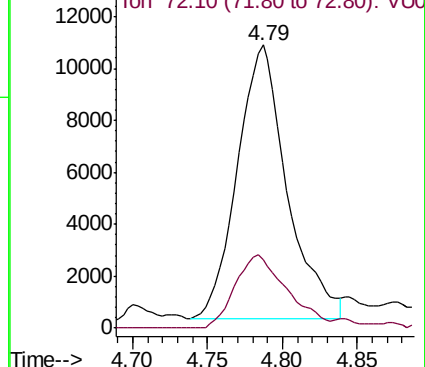
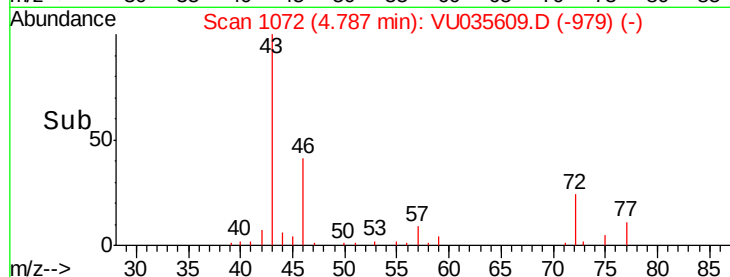
Ion Ratio Lower Upper

43 100

72 28.1 14.3 42.9



Abundance Ion 43.05 (42.75 to 43.75): VU035609.D (-979) (-)



#35

Methylcyclohexane

Concen: 0.676 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.06 min

Lab File: VU035609.D

Acq: 04 Nov 2019 15:42

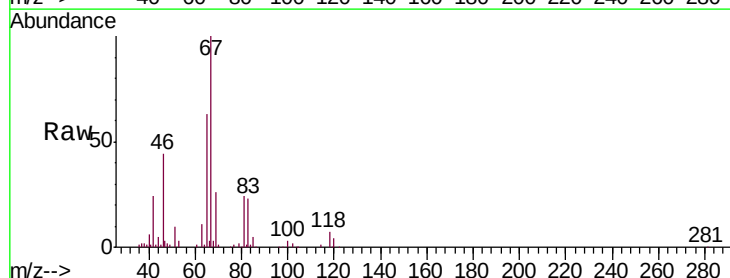
Tgt Ion: 83 Resp: 25696

Ion Ratio Lower Upper

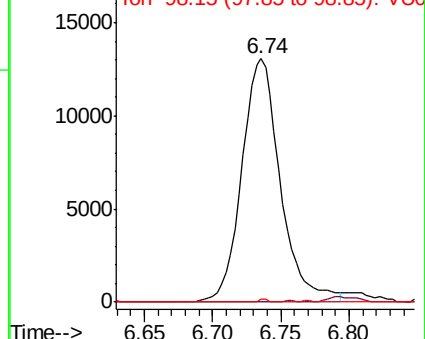
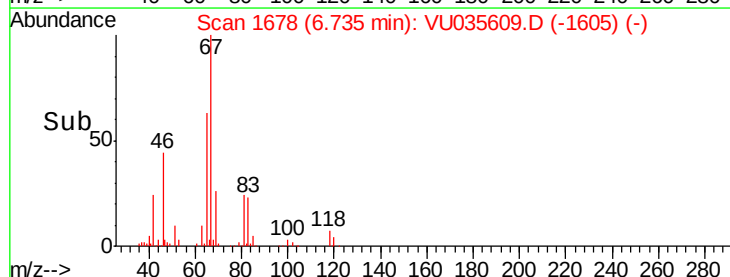
83 100

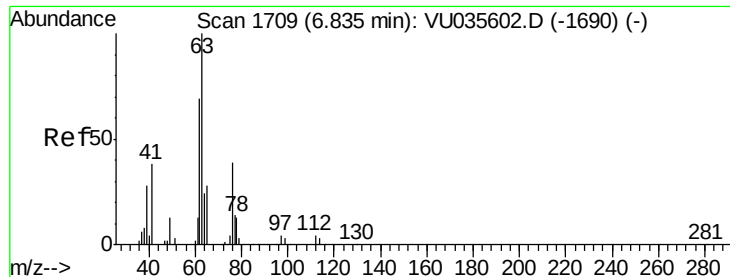
55 0.0 62.6 93.8#

98 0.3 37.2 55.8#



Abundance Ion 83.15 (82.85 to 83.85): VU035609.D (-1605) (-)

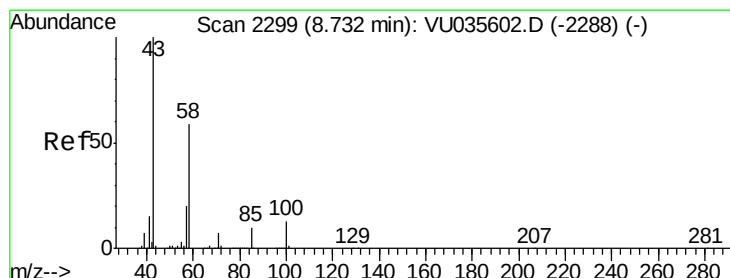
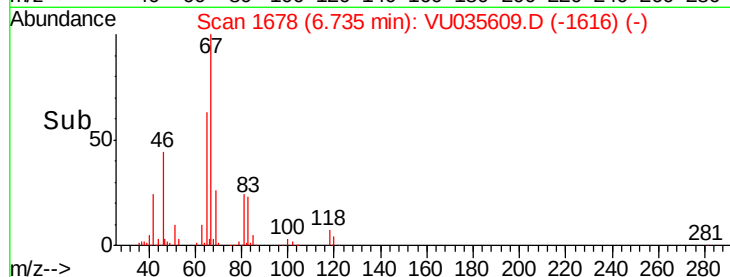
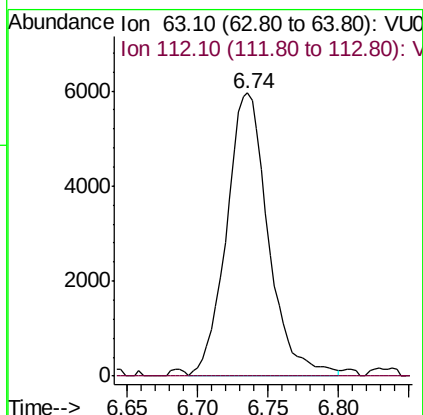
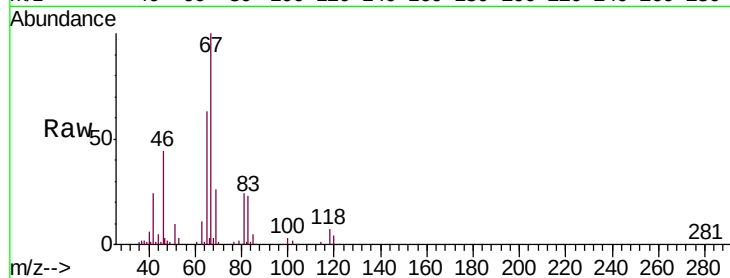




#37
 1,2-Dichloropropane
 Concen: 0.481 ug/L
 RT: 6.74 min Scan# 1678
 Delta R.T. -0.10 min
 Lab File: VU035609.D
 Acq: 04 Nov 2019 15:42

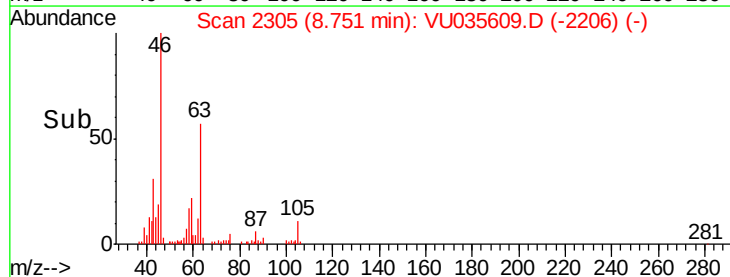
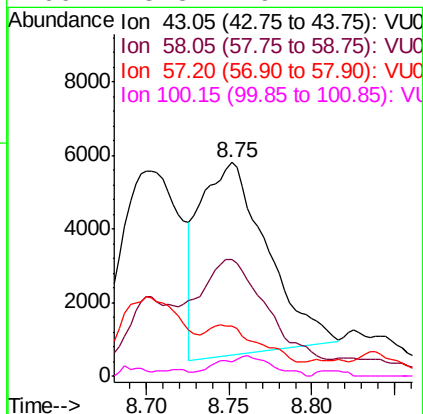
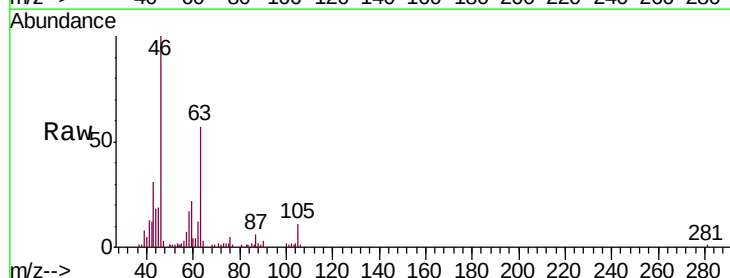
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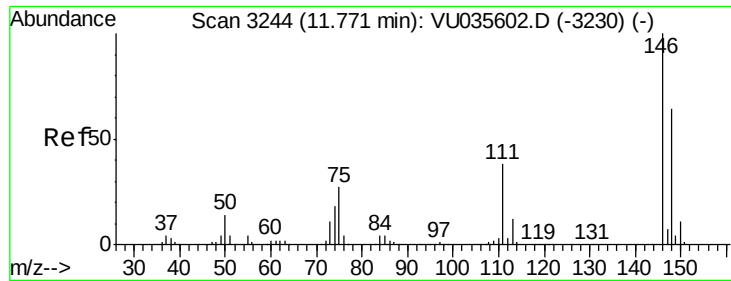
Tgt Ion: 63 Resp: 12353
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.2#



#48
 2-Hexanone
 Concen: 1.401 ug/L
 RT: 8.75 min Scan# 2305
 Delta R.T. 0.02 min
 Lab File: VU035609.D
 Acq: 04 Nov 2019 15:42

Tgt Ion: 43 Resp: 14706
 Ion Ratio Lower Upper
 43 100
 58 52.1 44.1 66.1
 57 16.2 15.1 22.7
 100 8.3 9.4 14.2#





#62

1,3-Dichlorobenzene

Concen: 0.066 ug/L

RT: 11.78 min Scan# 3246

Delta R.T. 0.01 min

Lab File: VU035609.D

Acq: 04 Nov 2019 15:42

Instrument :

MSVOA_U

ClientSampleId :

A5456

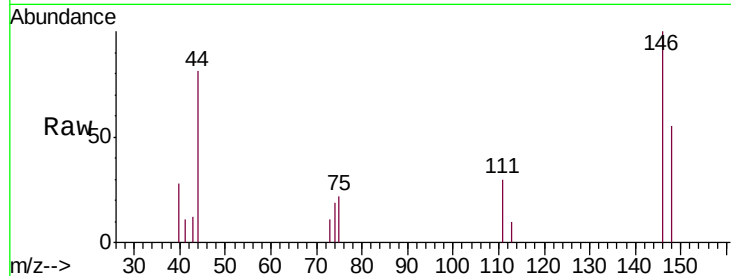
Tgt Ion:146 Resp: 2210

Ion Ratio Lower Upper

146 100

111 29.9 26.7 49.5

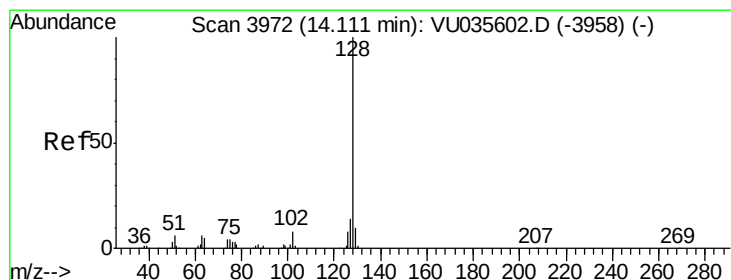
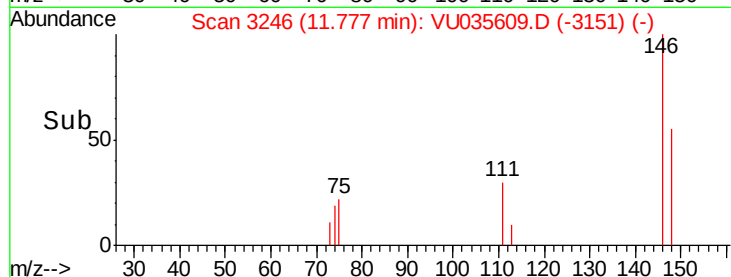
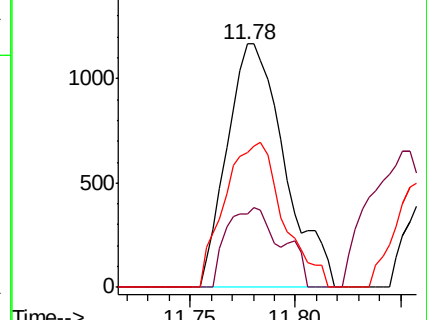
148 55.2 44.5 82.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#69

Naphthalene

Concen: 0.110 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU035609.D

Acq: 04 Nov 2019 15:42

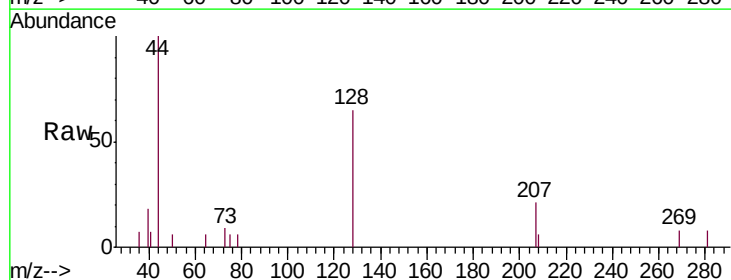
Tgt Ion:128 Resp: 1751

Ion Ratio Lower Upper

128 100

129 5.2 8.1 12.1#

127 8.5 11.0 16.4#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

