

Data File : VU028849.D
Acq On : 21 Dec 2018 01:08
Operator : MD/SY
Sample : J6513-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9F56

Quant Time: Dec 21 06:03:10 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 21 05:57:29 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	232937	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	217000	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	95075	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	74063	39.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.32%
7) Chloroethane-d5	1.67	69	60597	42.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.02%
11) 1,1-Dichloroethene-d2	2.27	63	95384	30.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.74%
21) 2-Butanone-d5	4.18	46	125130	95.64	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.64%
24) Chloroform-d	4.65	84	129694	44.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.34%
26) 1,2-Dichloroethane-d4	5.31	65	82624	45.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.30%
32) Benzene-d6	5.34	84	281598	45.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.86%
36) 1,2-Dichloropropane-d6	6.33	67	97334	46.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.48%
41) Toluene-d8	7.57	98	255230	45.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.88%
43) trans-1,3-Dichloropropene-	7.85	79	42556	45.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.20%
47) 2-Hexanone-d5	8.31	63	106299	107.46	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.46%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	137283	47.51	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.02%
64) 1,2-Dichlorobenzene-d4	11.86	152	94649	49.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.44%

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	893	0.592 ug/L #	20
13) Acetone	2.32	43	2672	2.004 ug/L	85
27) 1,2-Dichloroethane	5.40	62	9089	4.085 ug/L #	94
29) Cyclohexane	5.00	56	3361	1.164 ug/L	96
33) Benzene	5.39	78	12527	1.813 ug/L	100
35) Methylcyclohexane	6.41	83	2555	0.920 ug/L	95
37) 1,2-Dichloropropane	6.33	63	8916	4.617 ug/L #	90
39) cis-1,3-Dichloropropene	7.22	75	2271	0.825 ug/L #	55
42) Toluene	7.64	91	8805	1.257 ug/L	97
44) trans-1,3-Dichloropropene	7.85	75	1442	0.588 ug/L	85
52) Ethylbenzene	9.25	91	12071	1.604 ug/L	98
53) m,p-Xylene	9.38	106	9638	3.464 ug/L	98
54) o-xylene	9.78	106	1762	0.632 ug/L	94
59) 1,2,3-Trichloropropane	11.48	75	10608	4.603 ug/L	94
69) Naphthalene	13.75	128	31634	4.886 ug/L	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
Quantitation Report (Not Reviewed)

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 21 05:57:29 2018
Response via : Initial Calibration

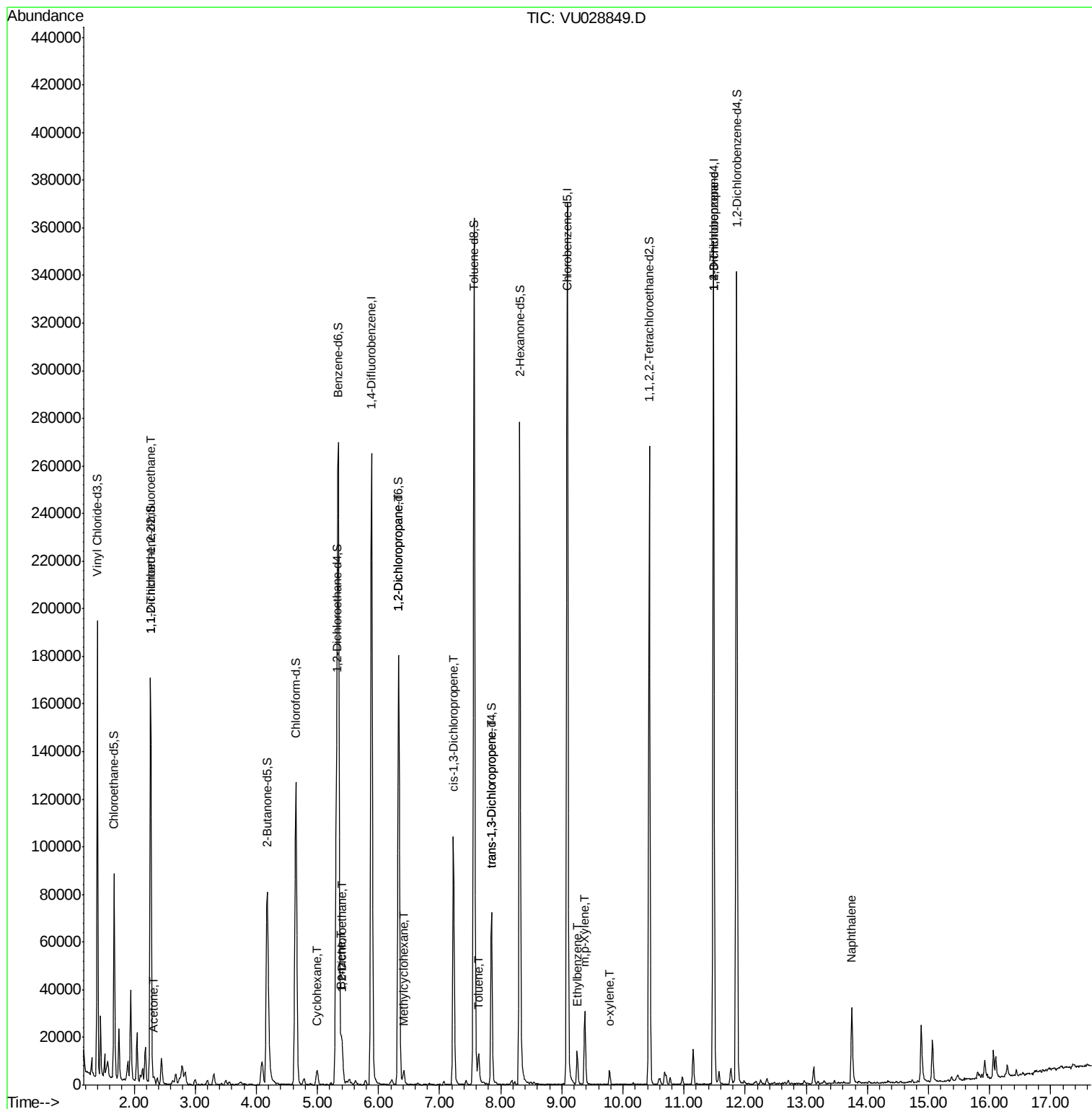
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

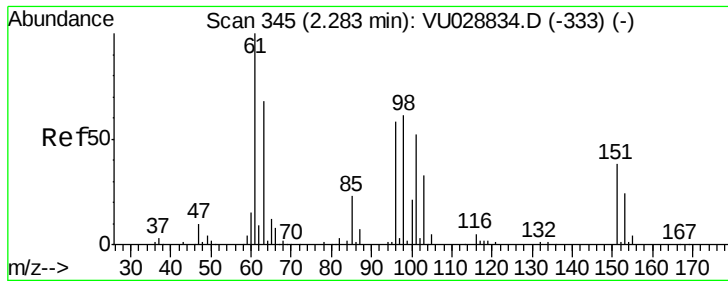
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.592 ug/L

RT: 2.27 min Scan# 341

Delta R.T. -0.01 min

Lab File: VU028849.D

Acq: 21 Dec 2018 01:08

Instrument :

MSVOA_U

ClientSampleId :

F9F56

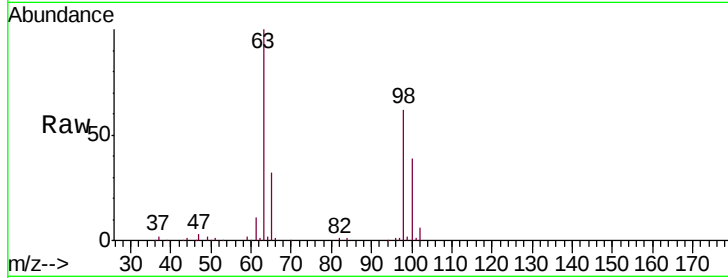
Tgt Ion:101 Resp: 893

Ion Ratio Lower Upper

101 100

85 0.0 33.8 50.6#

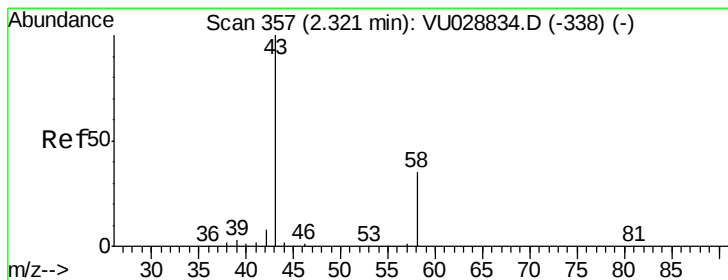
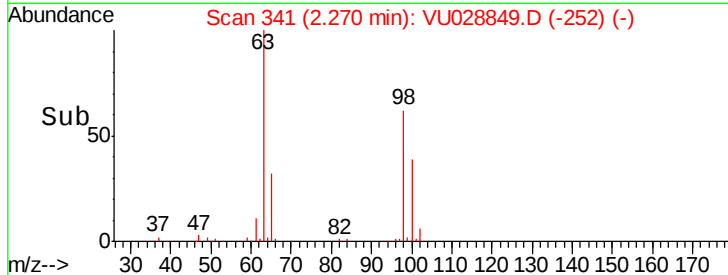
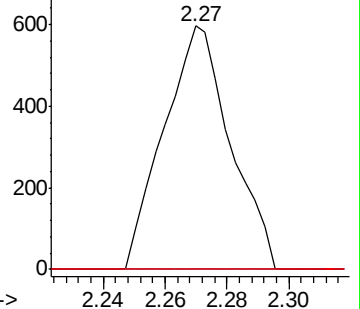
151 0.0 59.4 89.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 2.004 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU028849.D

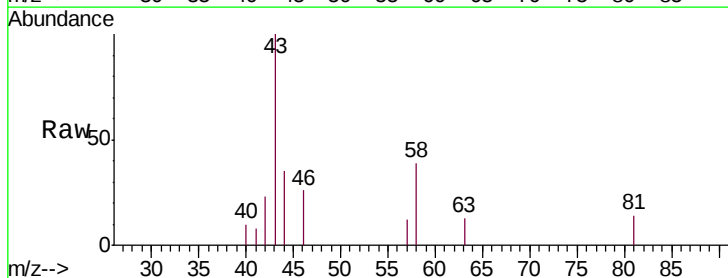
Acq: 21 Dec 2018 01:08

Tgt Ion: 43 Resp: 2672

Ion Ratio Lower Upper

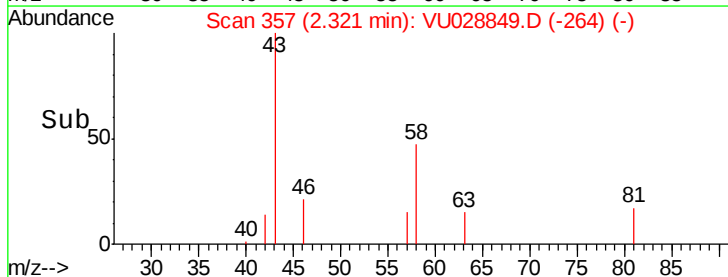
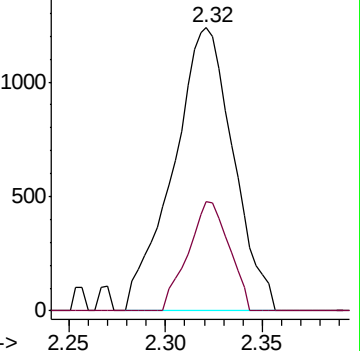
43 100

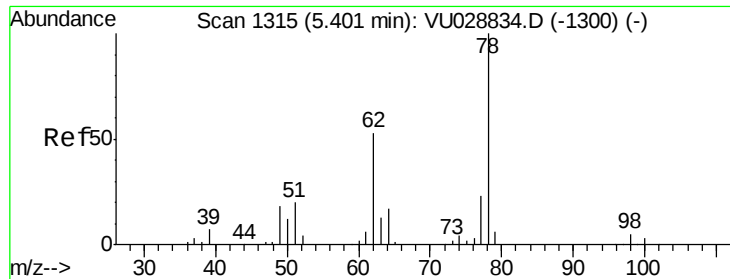
58 26.3 0.0 70.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

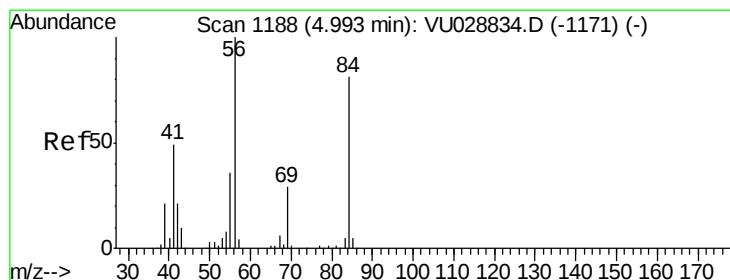
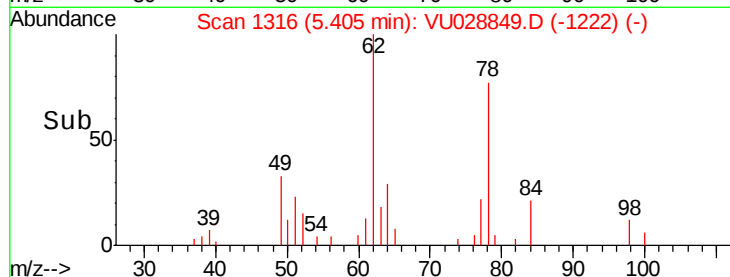
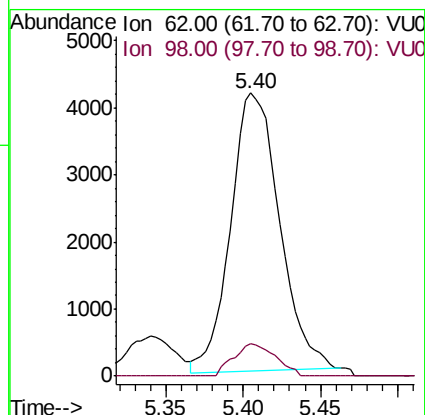
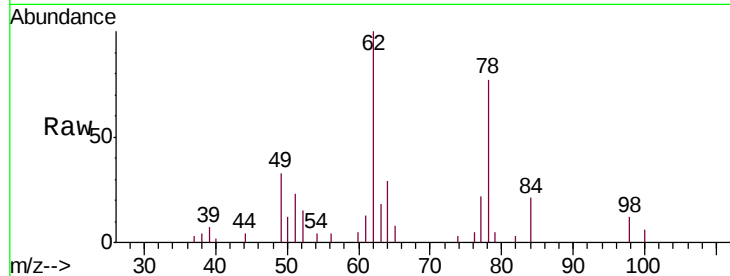




#27
 1,2-Dichloroethane
 Concen: 4.085 ug/L
 RT: 5.40 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VU028849.D
 Acq: 21 Dec 2018 01:08

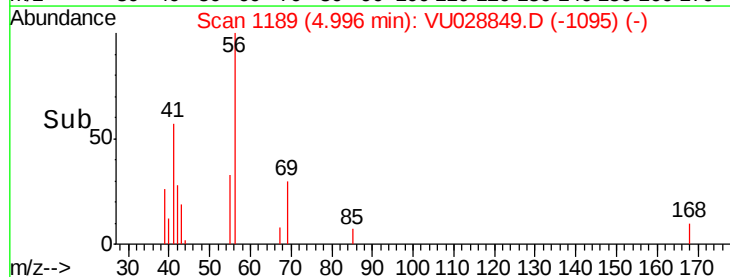
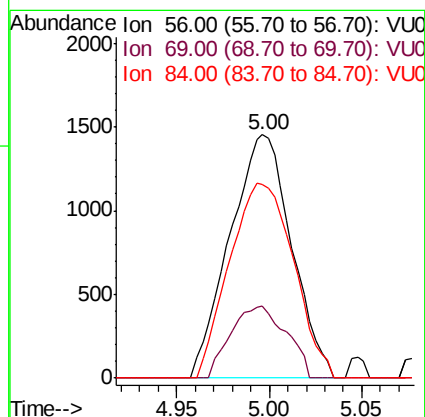
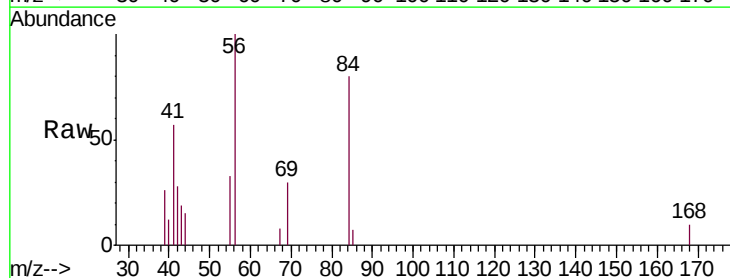
Instrument :
 MSVOA_U
 ClientSampleId :
 F9F56

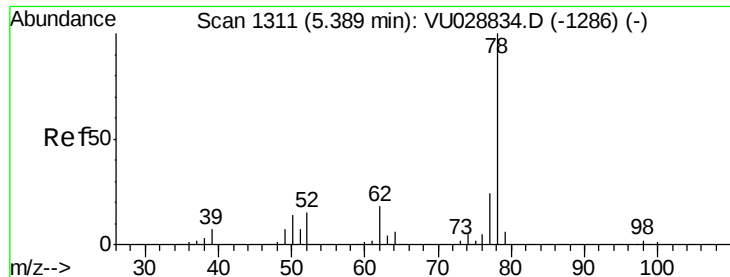
Tgt Ion: 62 Resp: 9089
 Ion Ratio Lower Upper
 62 100
 98 11.5 7.5 11.3#



#29
 Cyclohexane
 Concen: 1.164 ug/L
 RT: 5.00 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: VU028849.D
 Acq: 21 Dec 2018 01:08

Tgt Ion: 56 Resp: 3361
 Ion Ratio Lower Upper
 56 100
 69 26.7 23.8 35.8
 84 83.3 63.8 95.8

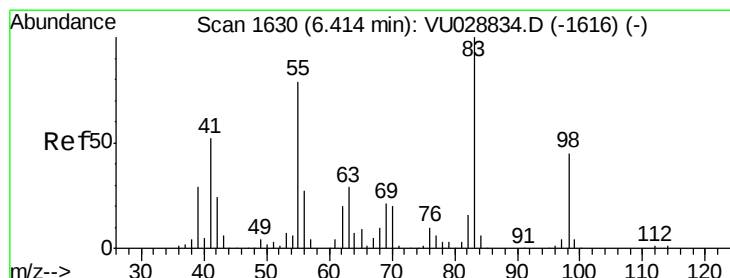
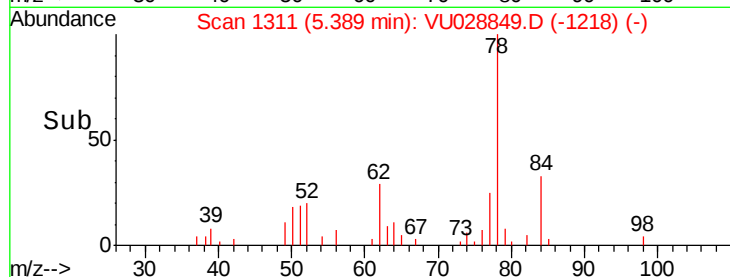
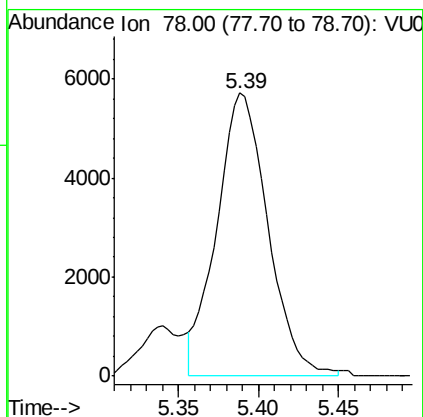
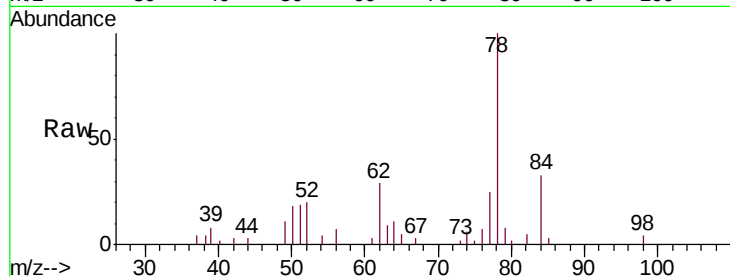




#33
Benzene
Concen: 1.813 ug/L
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU028849.D
Acq: 21 Dec 2018 01:08

Tgt Ion: 78 Resp: 12527

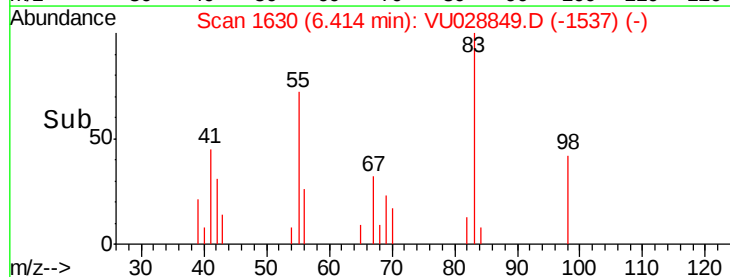
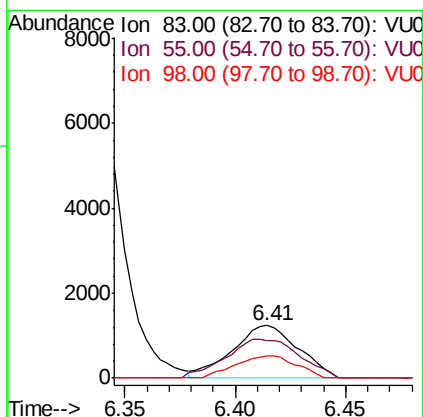
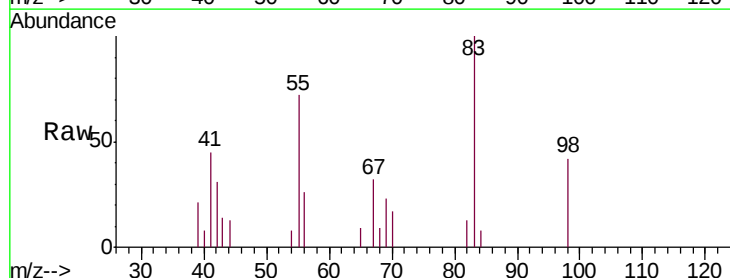
Instrument :
MSVOA_U
ClientSampleId :
F9F56

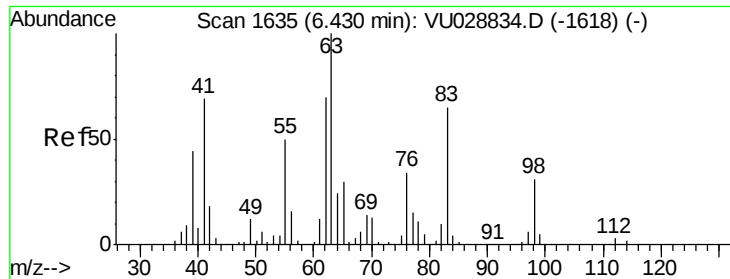


#35
Methylcyclohexane
Concen: 0.920 ug/L
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU028849.D
Acq: 21 Dec 2018 01:08

Tgt Ion: 83 Resp: 2555

Ion	Ratio	Lower	Upper
83	100		
55	82.5	63.7	95.5
98	39.4	35.6	53.4

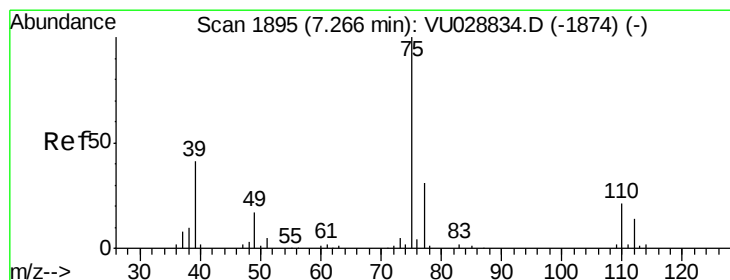
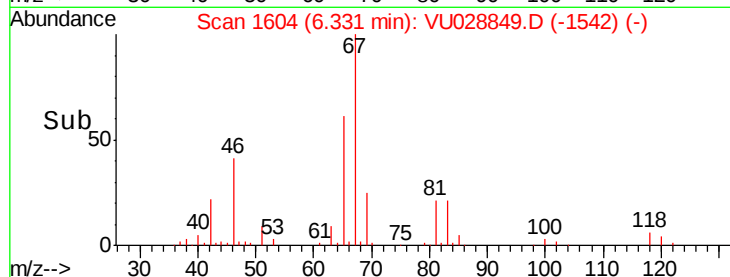
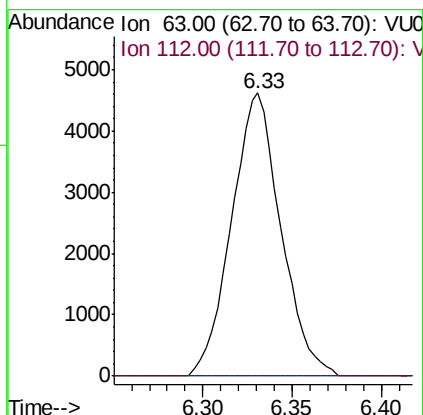
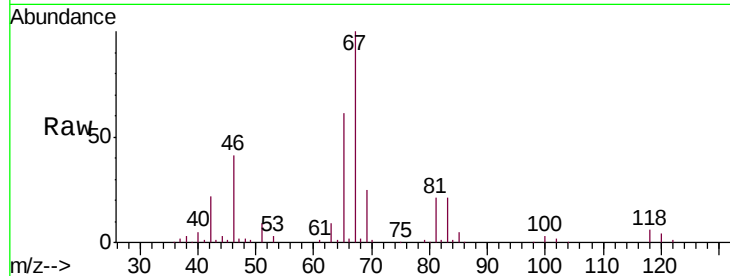




#37
 1,2-Dichloropropane
 Concen: 4.617 ug/L
 RT: 6.33 min Scan# 1604
 Delta R.T. -0.10 min
 Lab File: VU028849.D
 Acq: 21 Dec 2018 01:08

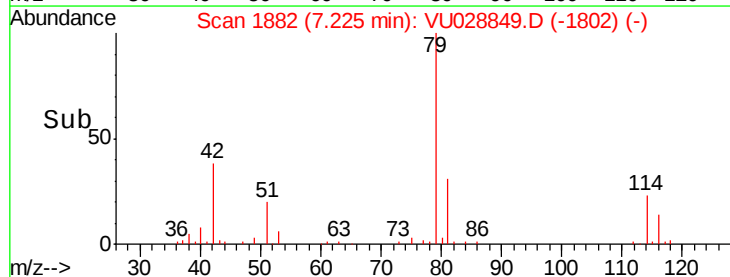
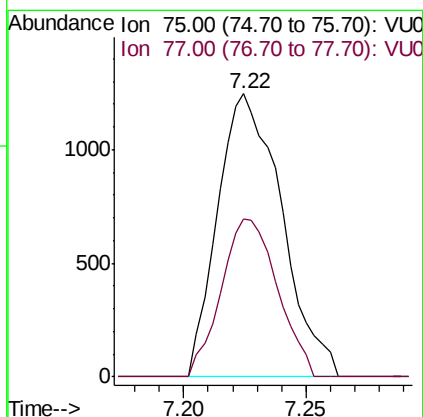
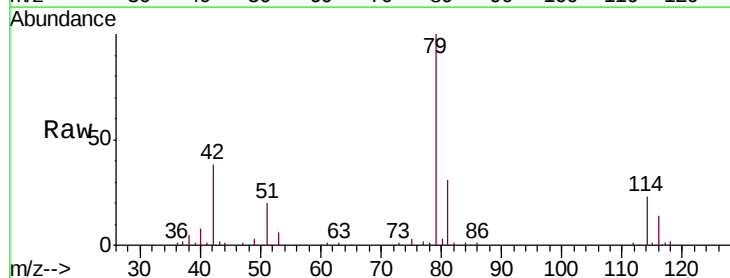
Instrument :
 MSVOA_U
 ClientSampleId :
 F9F56

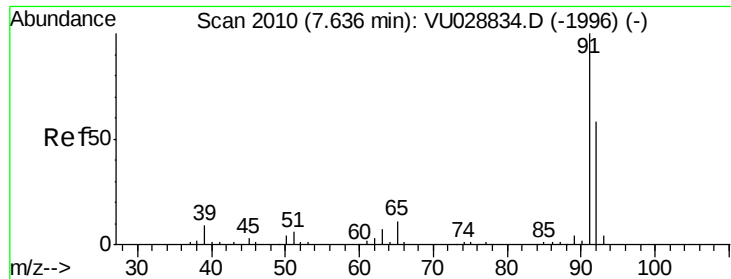
Tgt Ion: 63 Resp: 8916
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.7 4.1#



#39
 cis-1,3-Dichloropropene
 Concen: 0.825 ug/L
 RT: 7.22 min Scan# 1882
 Delta R.T. -0.04 min
 Lab File: VU028849.D
 Acq: 21 Dec 2018 01:08

Tgt Ion: 75 Resp: 2271
 Ion Ratio Lower Upper
 75 100
 77 55.8 21.8 40.6#





#42

Toluene

Concen: 1.257 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU028849.D

Acq: 21 Dec 2018 01:08

Instrument :

MSVOA_U

ClientSampled :

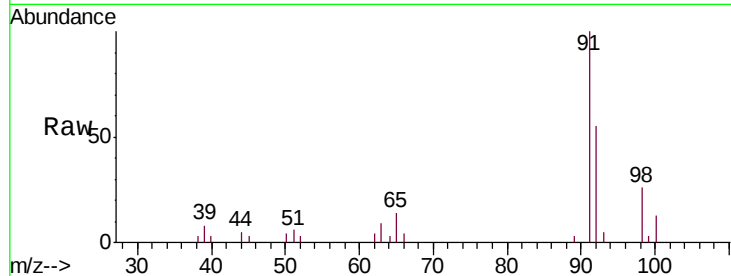
F9F56

Tgt Ion: 91 Resp: 8805

Ion Ratio Lower Upper

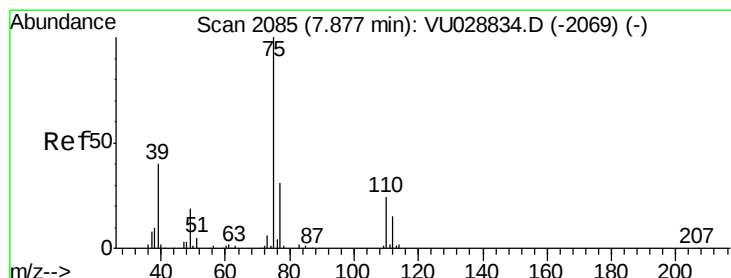
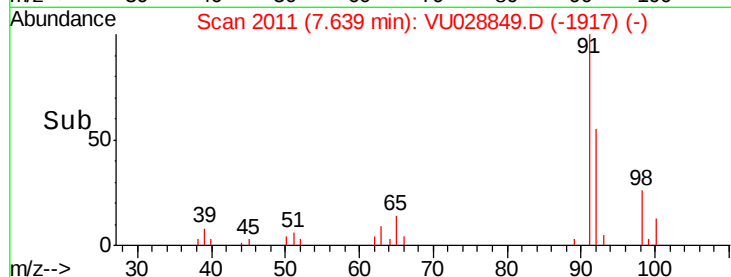
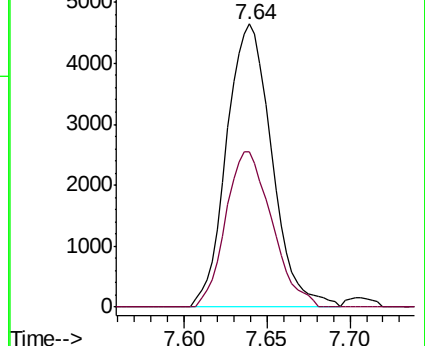
91 100

92 55.0 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU028834.D (-1996) (-)

Ion 92.00 (91.70 to 92.70): VU028834.D (-1996) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.588 ug/L

RT: 7.85 min Scan# 2076

Delta R.T. -0.03 min

Lab File: VU028849.D

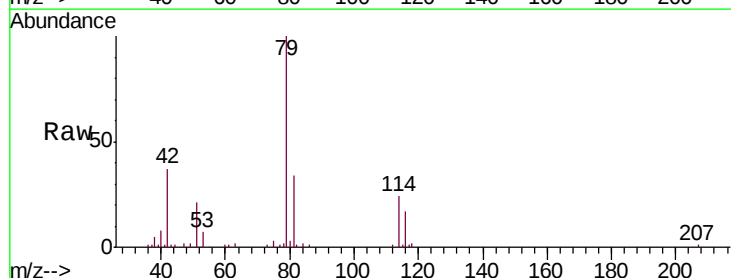
Acq: 21 Dec 2018 01:08

Tgt Ion: 75 Resp: 1442

Ion Ratio Lower Upper

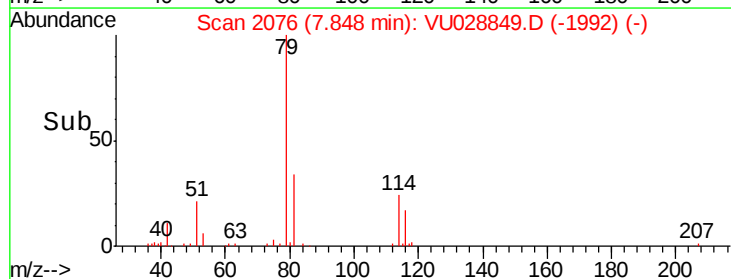
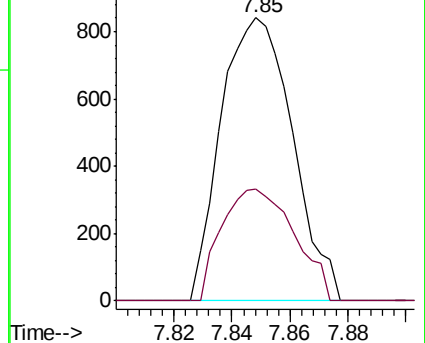
75 100

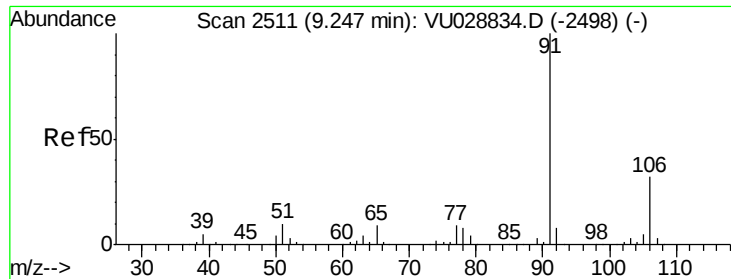
77 39.5 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VU028834.D (-2069) (-)

Ion 77.00 (76.70 to 77.70): VU028834.D (-2069) (-)





#52

Ethylbenzene

Concen: 1.604 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU028849.D

Acq: 21 Dec 2018 01:08

Instrument :

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ClientSampleId :

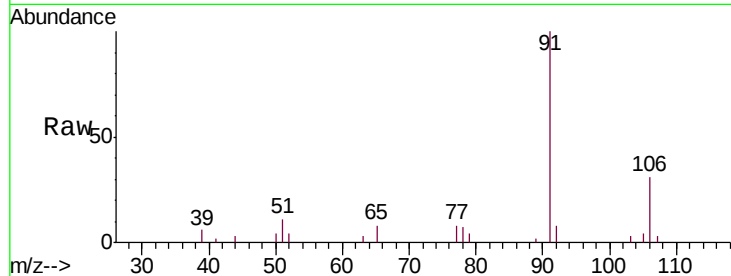
F9F56

Tgt Ion: 91 Resp: 12071

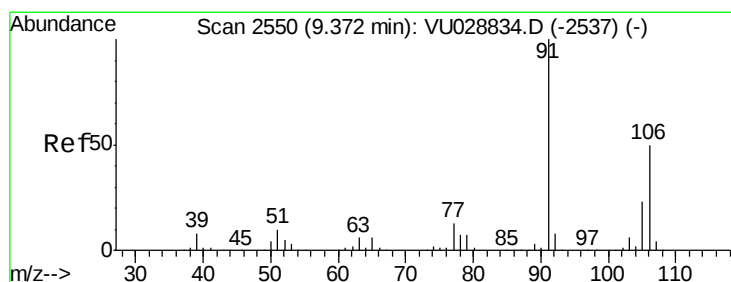
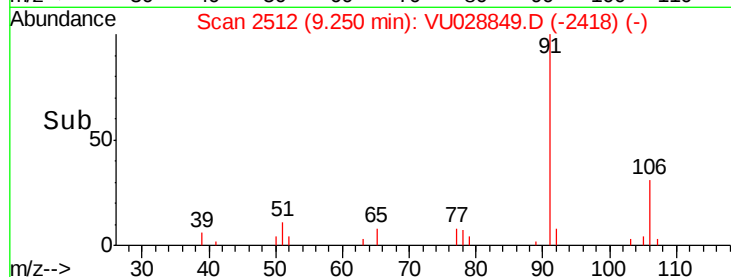
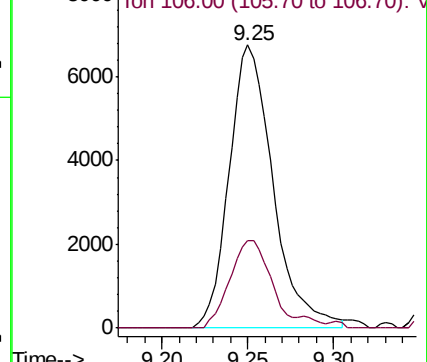
Ion Ratio Lower Upper

91 100

106 31.0 20.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VU028834.D (-2498) (-)



#53

m,p-Xylene

Concen: 3.464 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU028849.D

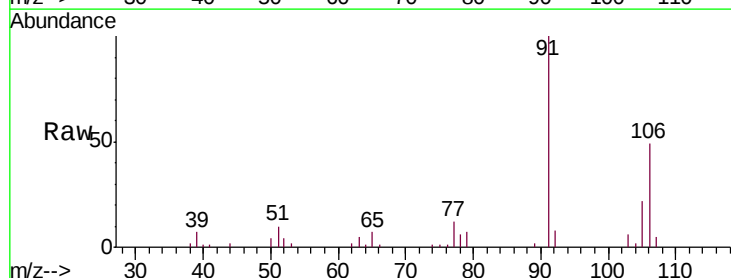
Acq: 21 Dec 2018 01:08

Tgt Ion: 106 Resp: 9638

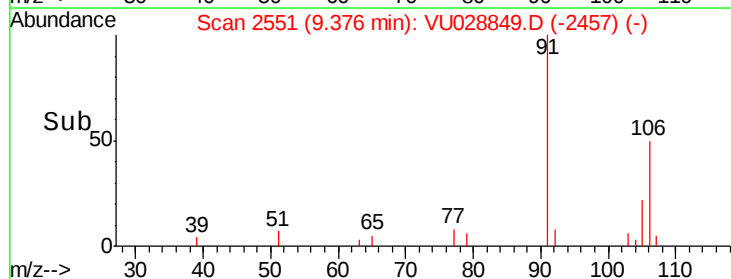
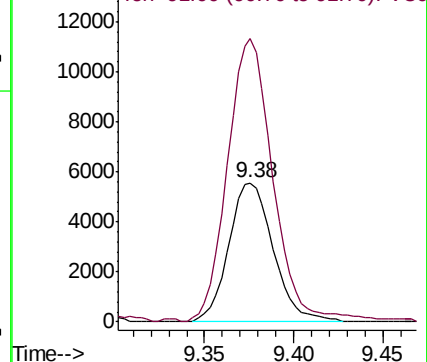
Ion Ratio Lower Upper

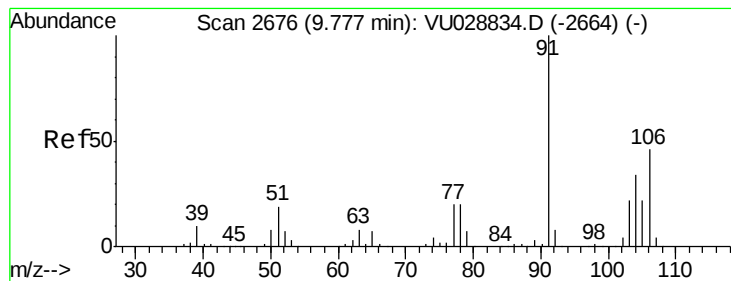
106 100

91 203.1 144.1 267.5



Abundance Ion 106.00 (105.70 to 106.70): VU028849.D (-2457) (-)





#54

o-xylene

Concen: 0.632 ug/L

RT: 9.78 min Scan# 2676

Delta R.T. 0.00 min

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Acq: 21 Dec 2018 01:08

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ClientSampleId :

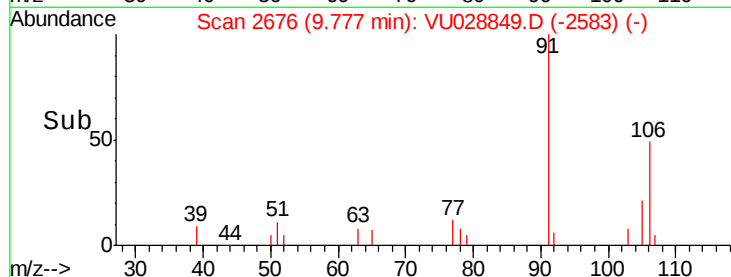
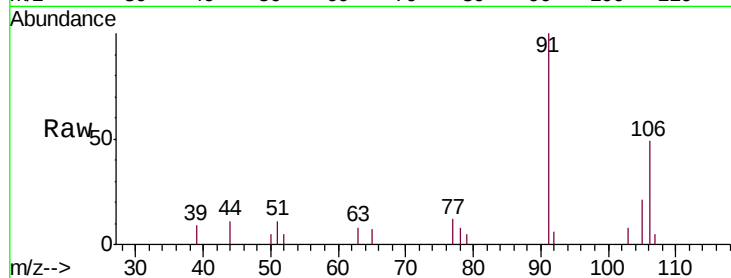
F9F56

Tgt Ion: 106 Resp: 1762

Ion Ratio Lower Upper

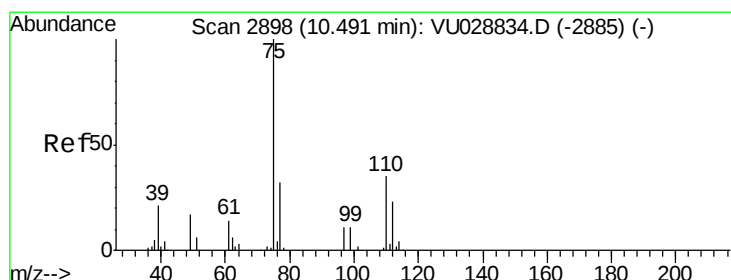
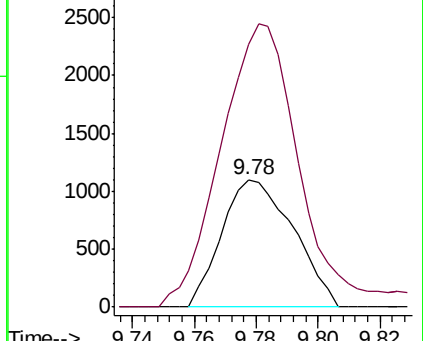
106 100

91 206.0 150.4 279.4



Abundance Ion 106.00 (105.70 to 106.70): VU028849.D

Ion 91.00 (90.70 to 91.70): VU028849.D



#59

1,2,3-Trichloropropane

Concen: 4.603 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028849.D

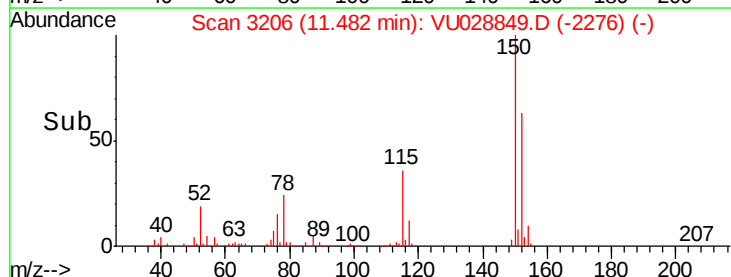
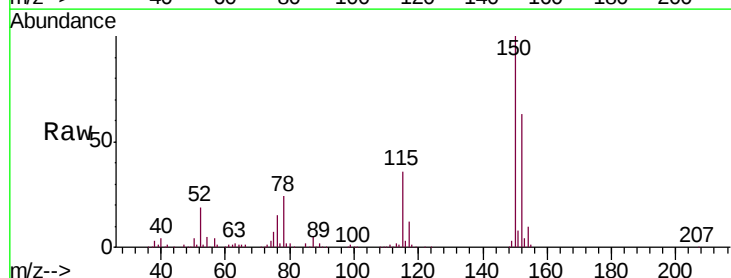
Acq: 21 Dec 2018 01:08

Tgt Ion: 75 Resp: 10608

Ion Ratio Lower Upper

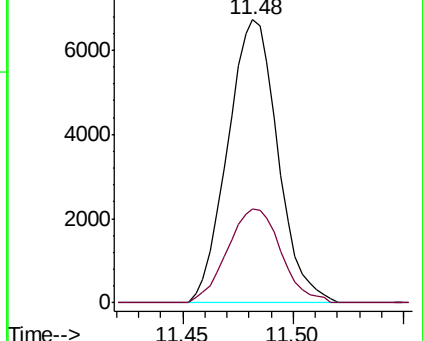
75 100

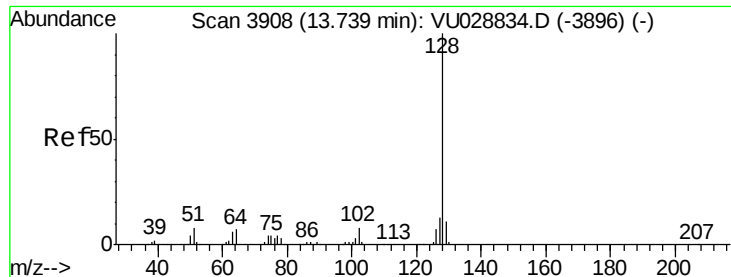
77 35.4 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU028849.D

Ion 77.00 (76.70 to 77.70): VU028849.D





#69

Naphthalene

Concen: 4.886 ug/L

RT: 13.75 min Scan# 3910

Delta R.T. 0.01 min

Lab File: VU028849.D

Acq: 21 Dec 2018 01:08

Instrument :

MSVOA_U

ClientSampleId :

F9F56

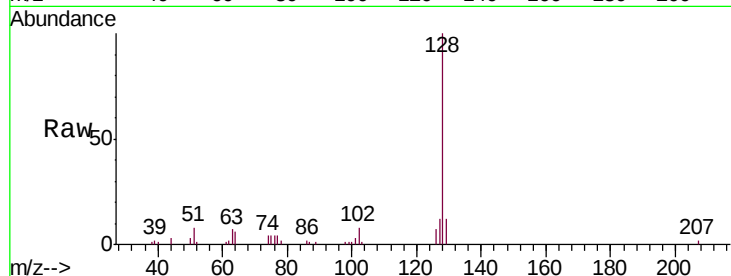
Tgt Ion:128 Resp: 31634

Ion Ratio Lower Upper

128 100

127 11.0 10.5 15.7

129 10.4 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

