

Data File : VU028256.D
Acq On : 19 Nov 2018 16:03
Operator : MD/SY
Sample : J5986-10DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0FJ5DL

Quant Time: Nov 20 07:12:21 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 20 07:07:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	133214	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	127799	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	56568	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	41685	4.16	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.20%
7) Chloroethane-d5	1.68	69	37799	4.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.40%
11) 1,1-Dichloroethene-d2	2.28	63	60931	3.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.00%
20) 2-Butanone-d5	4.20	46	147967	44.11	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.22%
24) Chloroform-d	4.65	84	77115	4.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.40%
26) 1,2-Dichloroethane-d4	5.31	65	44364	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.80%
32) Benzene-d6	5.34	84	159148	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.60%
36) 1,2-Dichloropropane-d6	6.33	67	58296	4.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.20%
41) Toluene-d8	7.57	98	134983	4.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.00%
43) trans-1,3-Dichloropropene-	7.85	79	17388	4.08	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.60%
46) 2-Hexanone-d5	8.31	63	101787	39.77	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.54%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	42410	4.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	48214	4.58	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.60%

Target Compounds

					Qvalue
5) Vinyl chloride	1.41	62	13012	0.962 ug/L #	60
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	641	0.074 ug/L #	21
13) Acetone	2.32	43	3235	1.402 ug/L	66
15) Methyl Acetate	2.62	43	753	0.123 ug/L #	59
16) Methylene chloride	2.70	84	4103	0.397 ug/L	87
17) Methyl tert-butyl Ether	3.01	73	107447	4.361 ug/L	99
18) trans-1,2-Dichloroethene	2.99	96	851	0.097 ug/L	94
19) 1,1-Dichloroethane	3.45	63	2283	0.113 ug/L #	68
22) cis-1,2-Dichloroethene	4.22	96	5385	0.521 ug/L	91
25) Chloroform	4.67	83	3464	0.158 ug/L	100
34) Trichloroethene	6.19	95	1299	0.126 ug/L	85
35) Methylcyclohexane	6.33	83	11787	0.725 ug/L #	15
37) 1,2-Dichloropropane	6.33	63	5530	0.460 ug/L #	92
39) cis-1,3-Dichloropropene	7.23	75	1225	0.080 ug/L #	73
40) 4-Methyl-2-pentanone	7.47	43	2813	0.327 ug/L #	89
47) Tetrachloroethene	8.23	164	548	0.076 ug/L #	58
48) 2-Hexanone	8.37	43	6587	1.074 ug/L #	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111918\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 20 07:07:24 2018
Response via : Initial Calibration

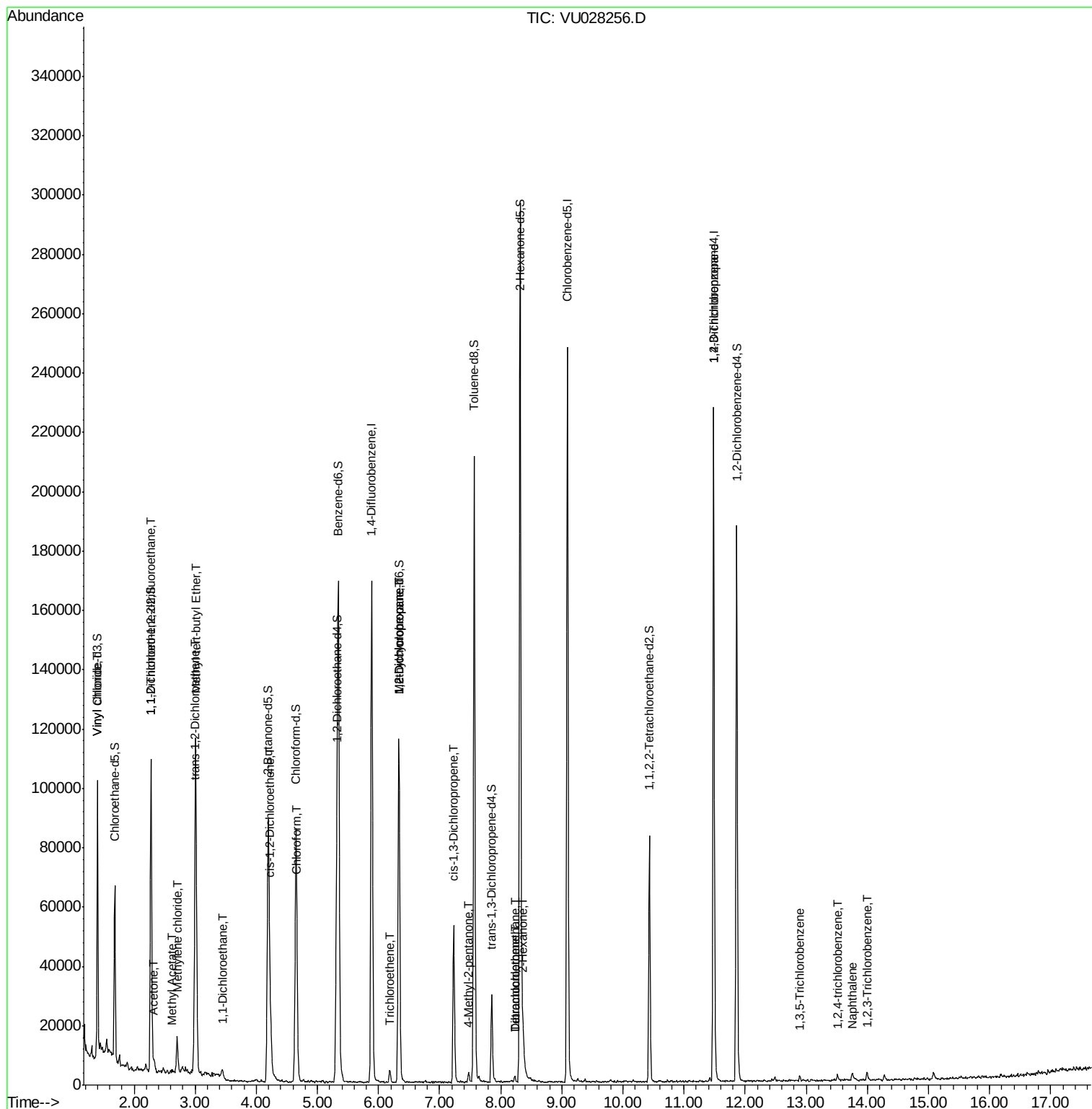
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.23	129	418	0.057	ug/L #	10
59) 1,2,3-Trichloropropane	11.48	75	8450	1.215	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	784	0.060	ug/L #	92
68) 1,2,4-trichlorobenzene	13.51	180	1101	0.100	ug/L	87
69) Naphthalene	13.76	128	3204	0.164	ug/L #	79
70) 1,2,3-Trichlorobenzene	13.99	180	1321	0.127	ug/L #	58

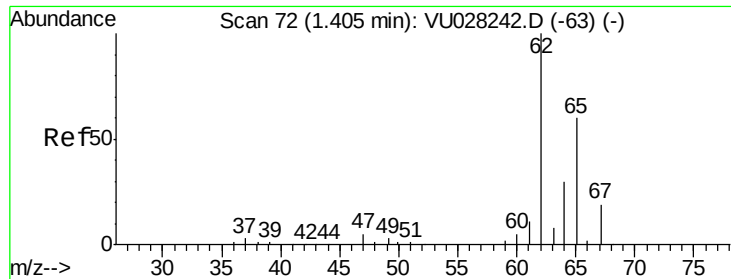
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.962 ug/L

RT: 1.41 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028256.D

Acq: 19 Nov 2018 16:03

Instrument :

MSVOA_U

ClientSampled :

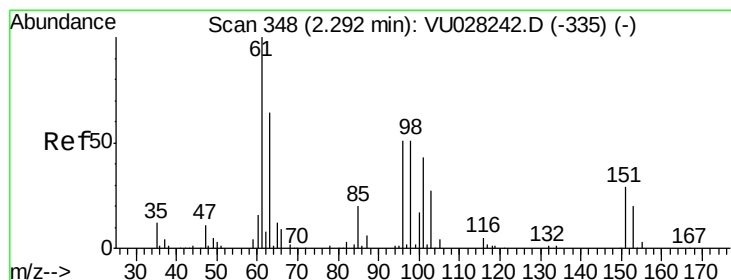
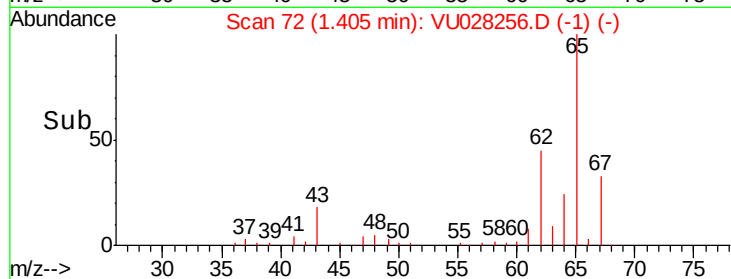
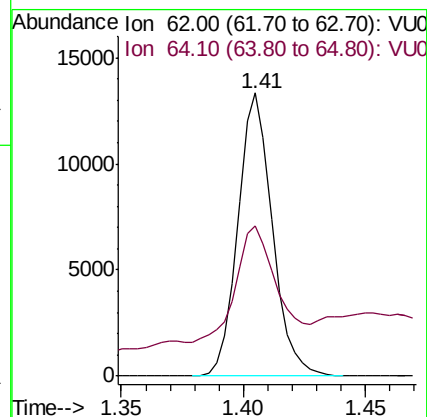
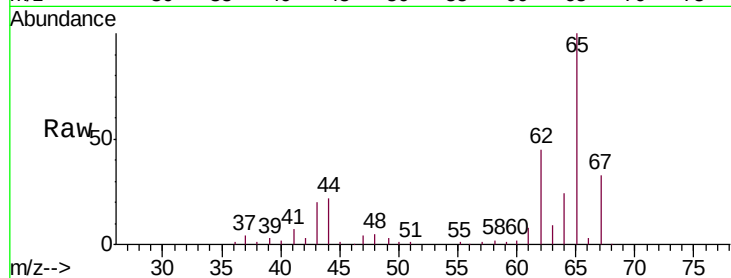
H0FJ5DL

Tgt Ion: 62 Resp: 13012

Ion Ratio Lower Upper

62 100

64 53.0 21.7 40.3#



#10

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

Concen: 0.074 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.02 min

Lab File: VU028256.D

Acq: 19 Nov 2018 16:03

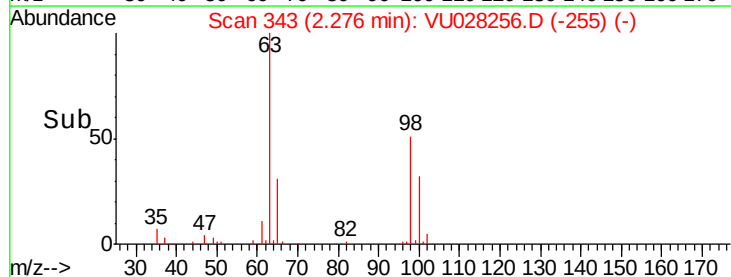
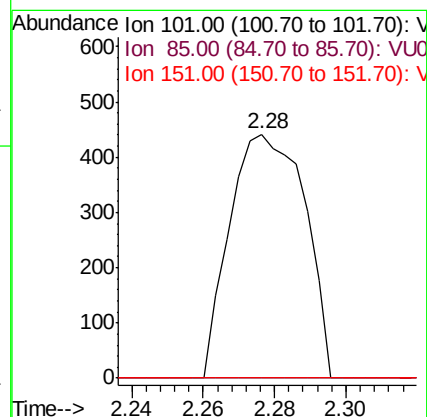
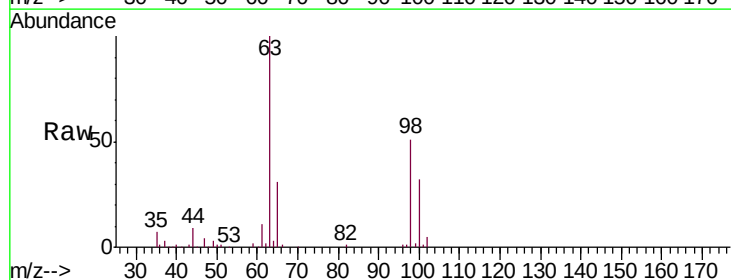
Tgt Ion: 101 Resp: 641

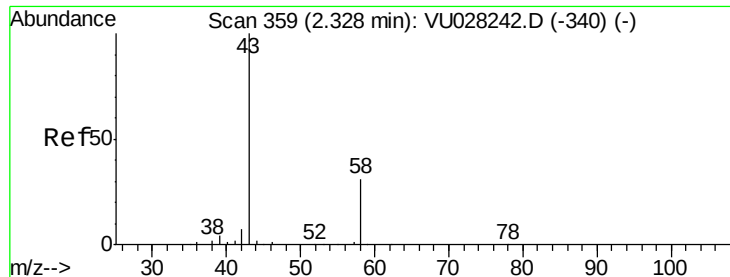
Ion Ratio Lower Upper

101 100

85 0.0 37.4 56.2#

151 0.0 55.0 82.4#





#13

Acetone

Concen: 1.402 ug/L

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU028256.D

Acq: 19 Nov 2018 16:03

Instrument :

MSVOA_U

ClientSampleId :

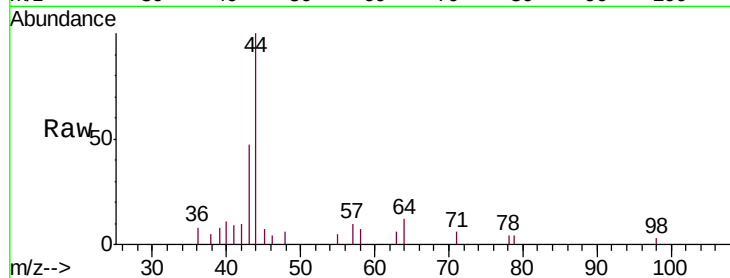
H0FJ5DL

Tgt Ion: 43 Resp: 3235

Ion Ratio Lower Upper

43 100

58 11.2 0.0 58.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

1500

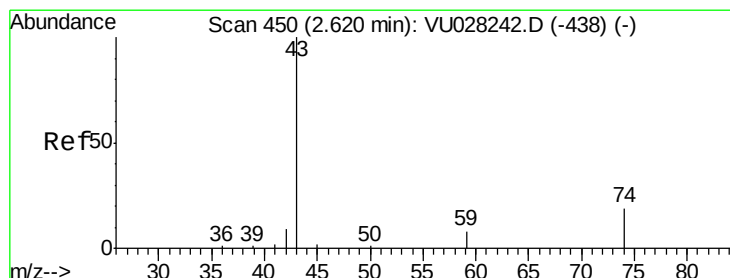
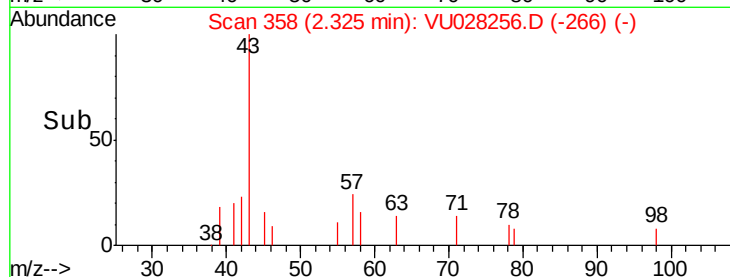
1000

500

0

2.25 2.30 2.35

Time-->



#15

Methyl Acetate

Concen: 0.123 ug/L

RT: 2.62 min Scan# 449

Delta R.T. -0.00 min

Lab File: VU028256.D

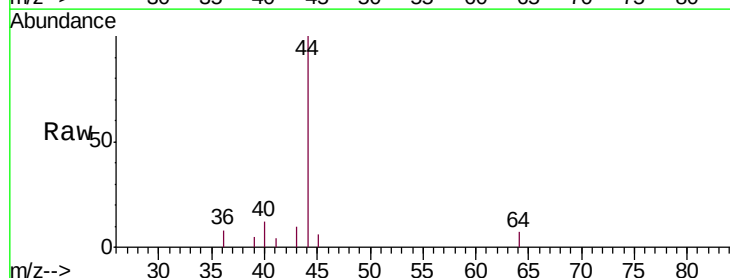
Acq: 19 Nov 2018 16:03

Tgt Ion: 43 Resp: 753

Ion Ratio Lower Upper

43 100

74 0.0 14.7 22.1#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

300

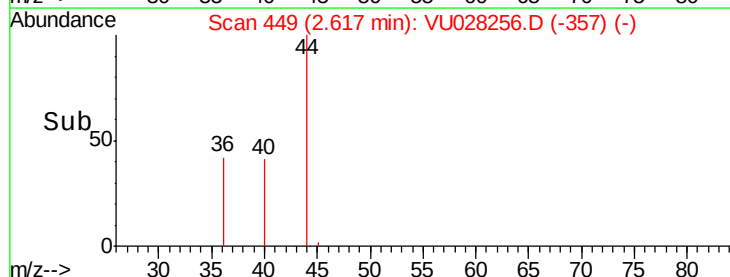
200

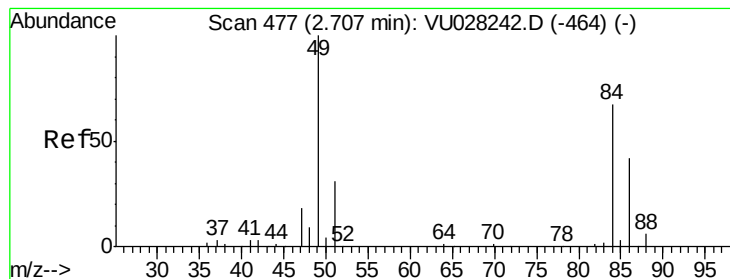
100

0

2.60 2.65

Time-->





#16

Methylene chloride

Concen: 0.397 ug/L

RT: 2.70 min Scan# 476

Delta R.T. -0.00 min

Lab File: VU028256.D

Acq: 19 Nov 2018 16:03

Instrument :

MSVOA_U

ClientSampleId :

H0FJ5DL

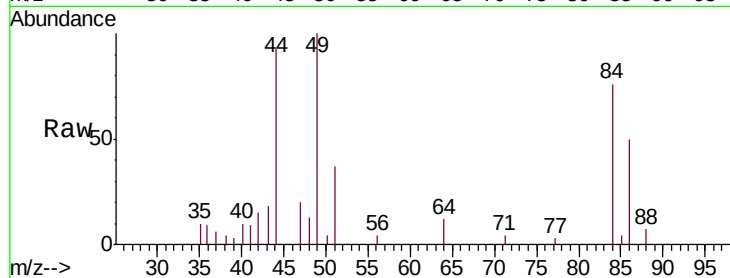
Tgt Ion: 84 Resp: 4103

Ion Ratio Lower Upper

84 100

86 65.7 45.3 84.1

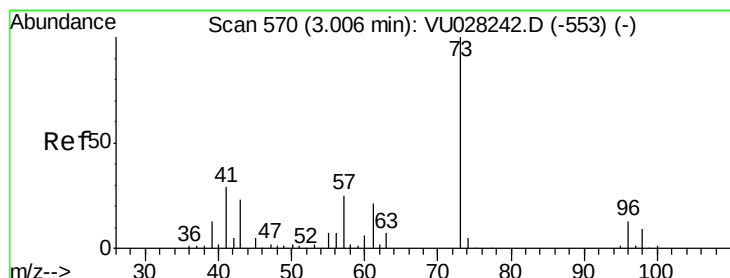
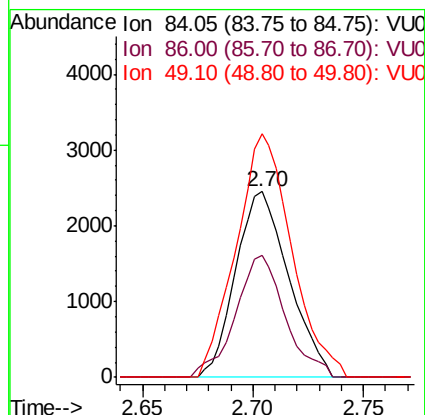
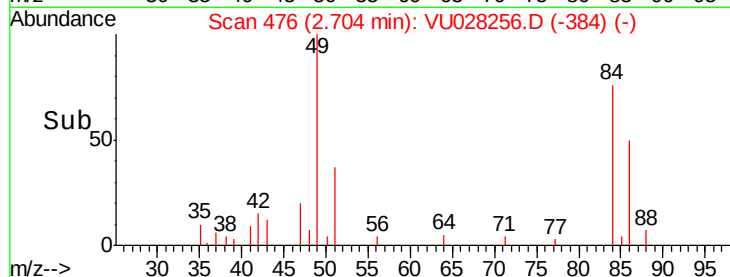
49 131.3 107.9 200.5



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



#17

Methyl tert-butyl Ether

Concen: 4.361 ug/L

RT: 3.01 min Scan# 570

Delta R.T. 0.00 min

Lab File: VU028256.D

Acq: 19 Nov 2018 16:03

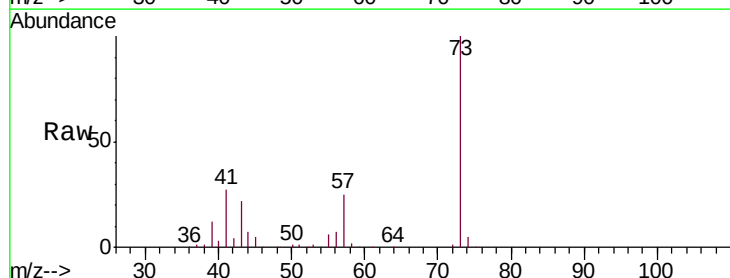
Tgt Ion: 73 Resp: 107447

Ion Ratio Lower Upper

73 100

43 22.6 18.8 28.2

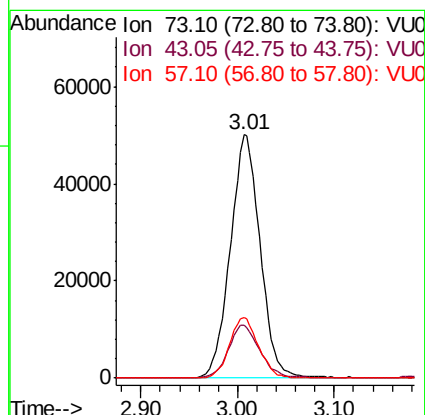
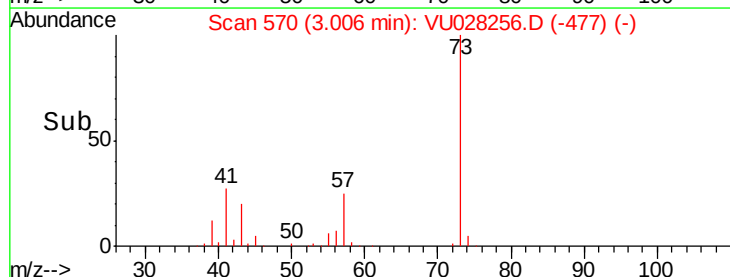
57 24.2 19.2 28.8

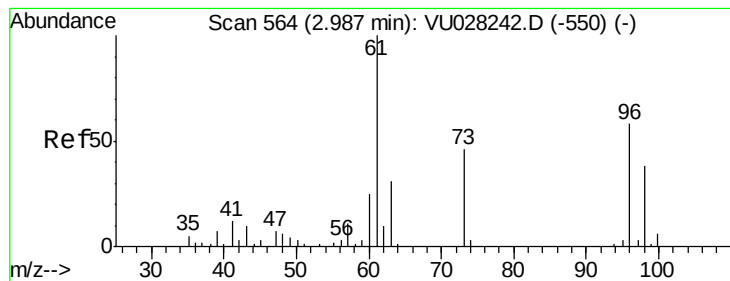


Abundance Ion 73.10 (72.80 to 73.80): VU0

Ion 43.05 (42.75 to 43.75): VU0

Ion 57.10 (56.80 to 57.80): VU0





#18

trans-1,2-Dichloroethene

Concen: 0.097 ug/L

RT: 2.99 min Scan# 564

Delta R.T. 0.00 min

Lab File: VU028256.D

Acq: 19 Nov 2018 16:03

Instrument :

MSVOA_U

ClientSampleId :

H0FJ5DL

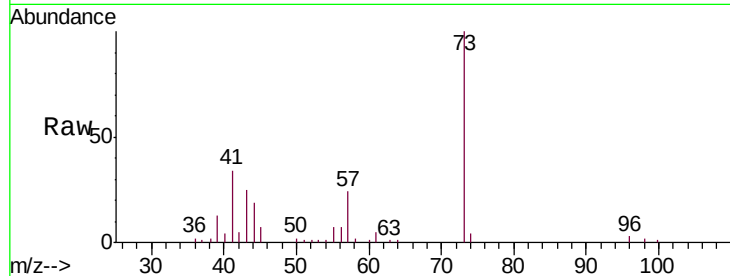
Tgt Ion: 96 Resp: 851

Ion Ratio Lower Upper

96 100

61 177.3 122.2 227.0

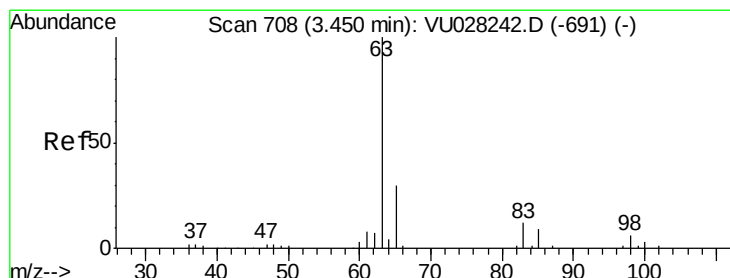
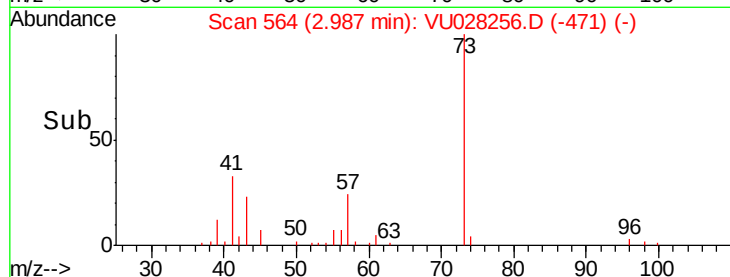
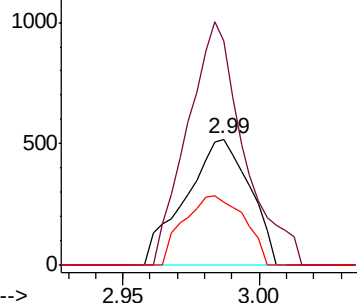
98 50.0 44.9 83.5



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0



#19

1,1-Dichloroethane

Concen: 0.113 ug/L

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU028256.D

Acq: 19 Nov 2018 16:03

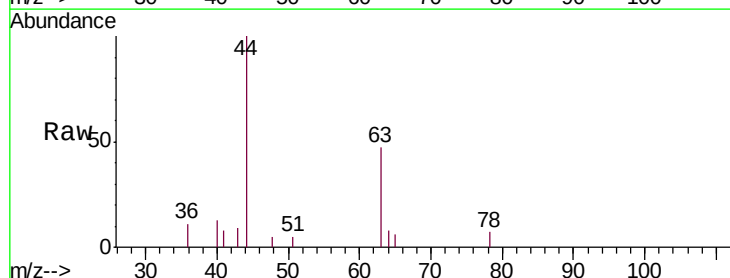
Tgt Ion: 63 Resp: 2283

Ion Ratio Lower Upper

63 100

65 12.8 21.2 39.4#

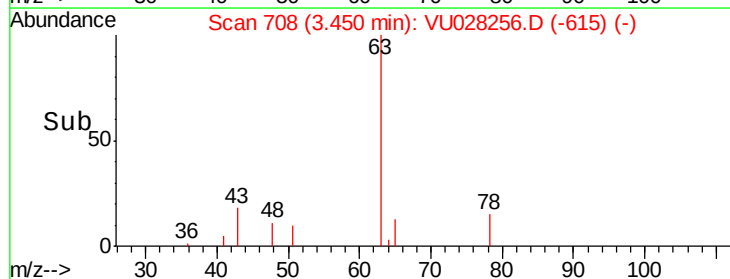
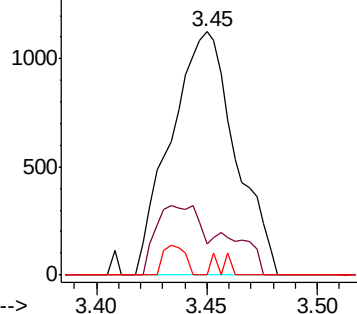
83 0.0 8.8 16.4#

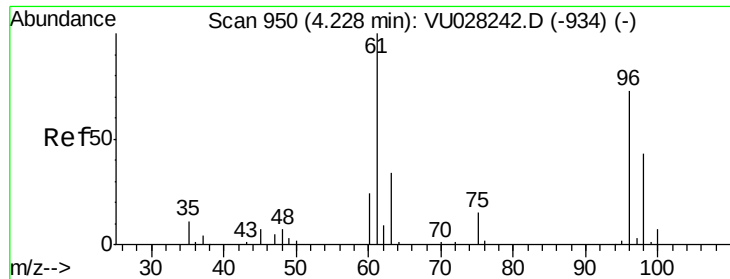


Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0



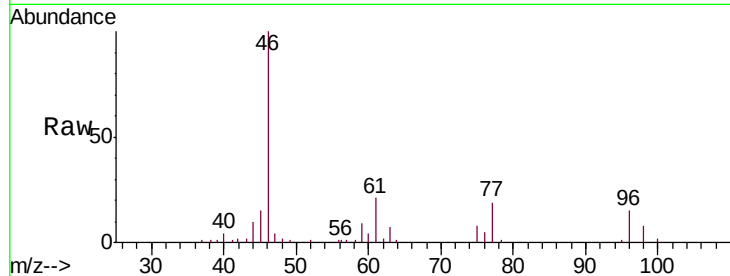


#22

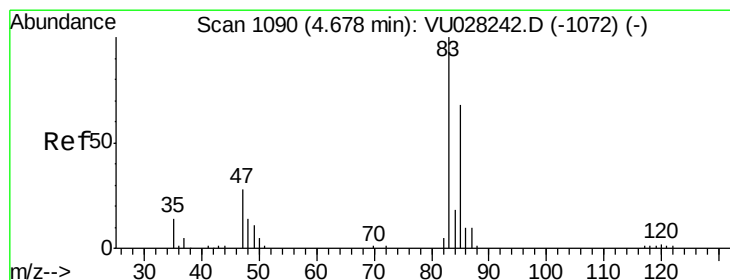
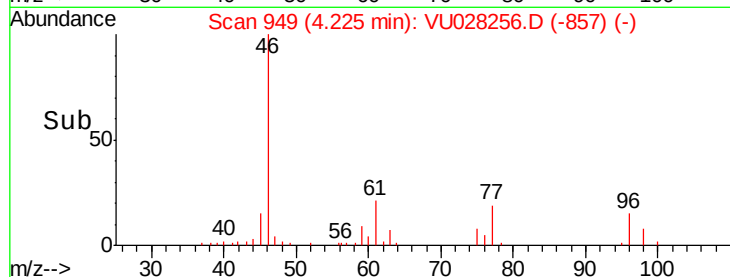
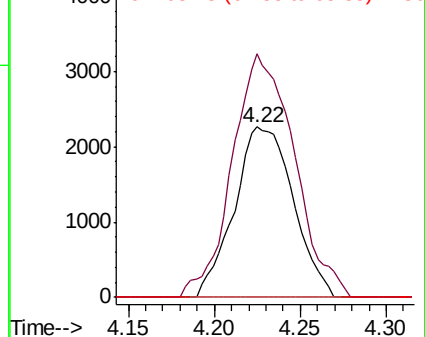
cis-1,2-Dichloroethene
 Concen: 0.521 ug/L
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU028256.D
 Acq: 19 Nov 2018 16:03

Instrument :
 MSVOA_U
 ClientSampleId :
 H0FJ5DL

Tgt Ion: 96 Resp: 5385
 Ion Ratio Lower Upper
 96 100
 61 142.8 108.0 200.6
 68 0.0 0.0 0.0



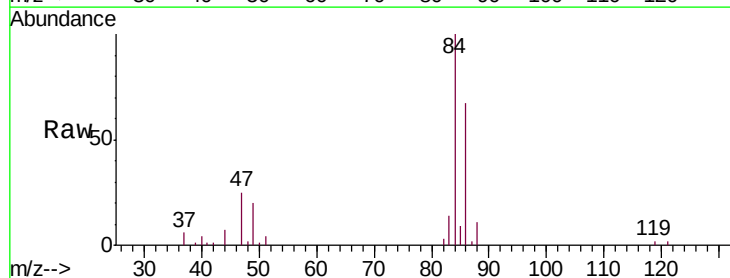
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



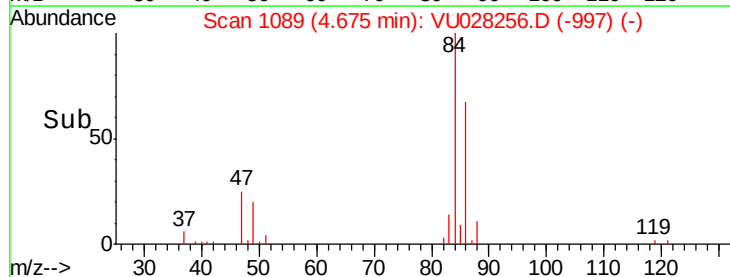
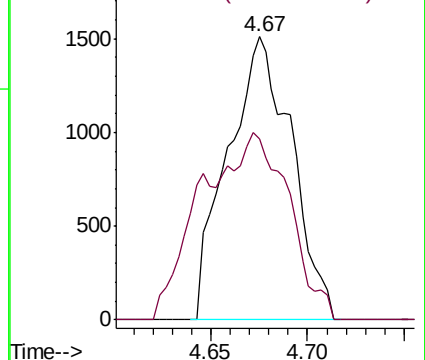
#25

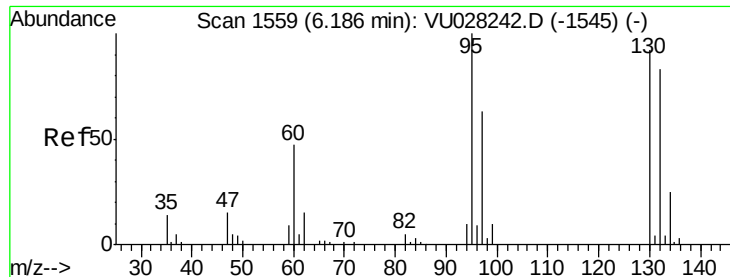
Chloroform
 Concen: 0.158 ug/L
 RT: 4.67 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VU028256.D
 Acq: 19 Nov 2018 16:03

Tgt Ion: 83 Resp: 3464
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.6 82.8



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0





#34

Trichloroethene

Concen: 0.126 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028256.D

Acq: 19 Nov 2018 16:03

Instrument :

MSVOA_U

ClientSampleId :

H0FJ5DL

Tgt Ion: 95 Resp: 1299

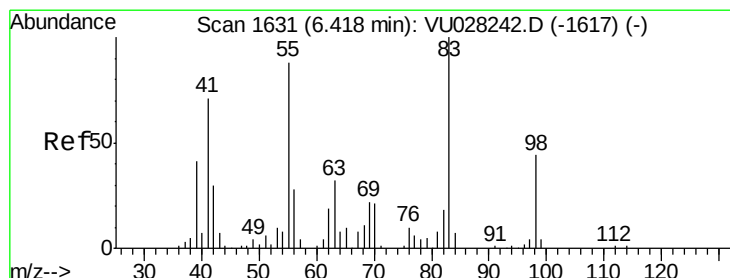
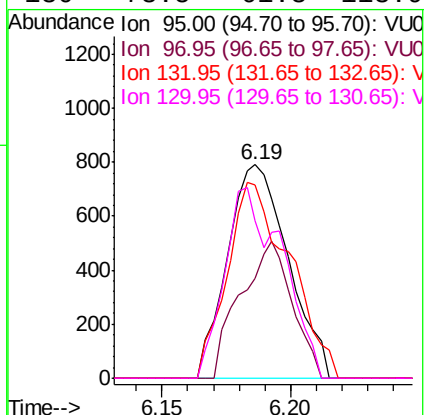
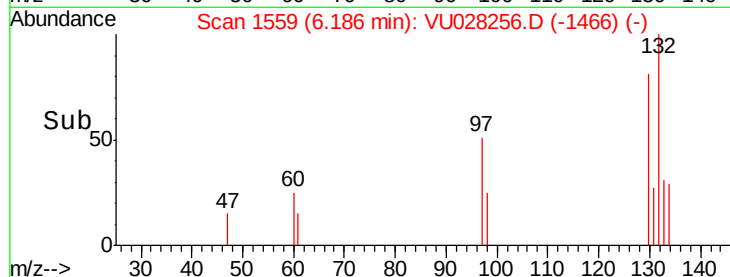
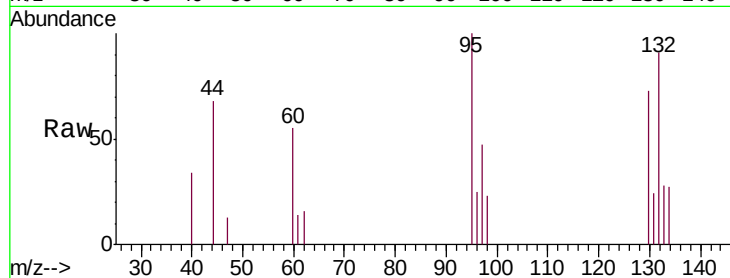
Ion Ratio Lower Upper

95 100

97 46.5 46.5 86.3

132 90.8 58.9 109.3

130 73.5 61.3 113.9



#35

Methylcyclohexane

Concen: 0.725 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.08 min

Lab File: VU028256.D

Acq: 19 Nov 2018 16:03

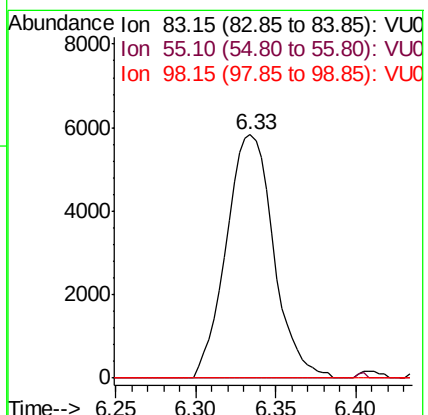
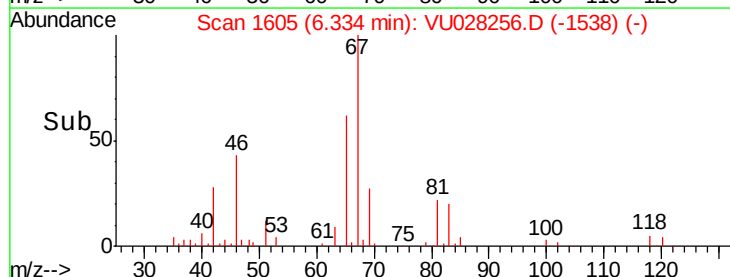
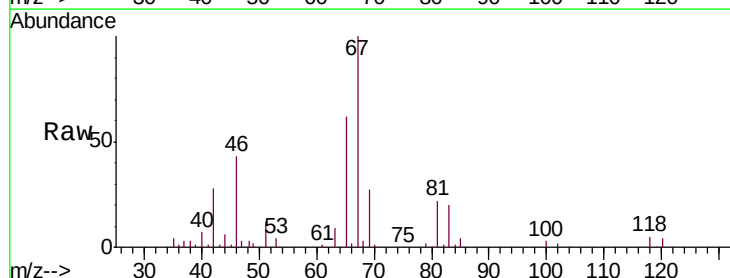
Tgt Ion: 83 Resp: 11787

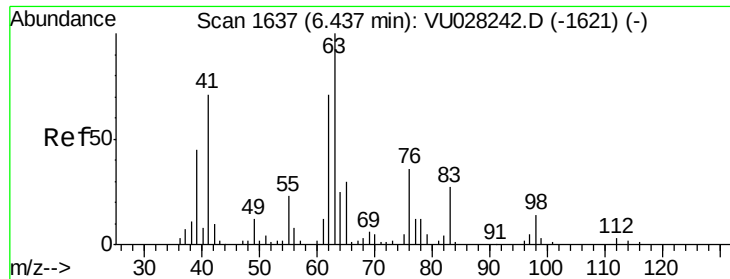
Ion Ratio Lower Upper

83 100

55 0.4 73.2 109.8#

98 2.6 33.4 50.2#

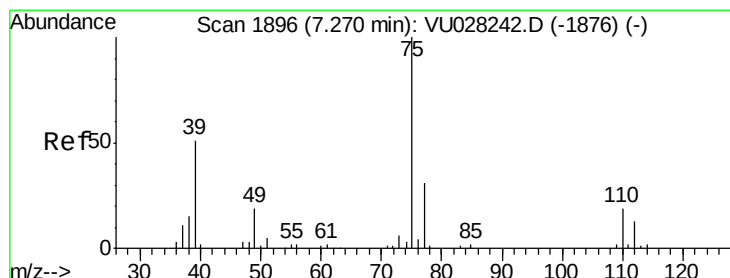
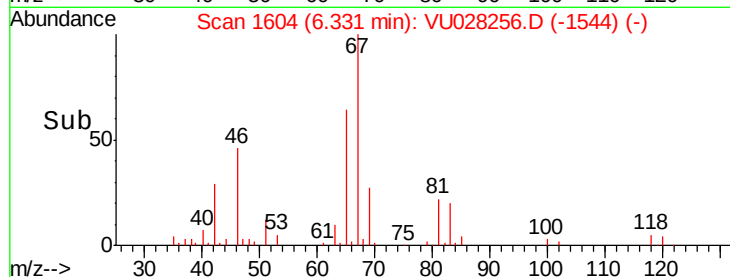
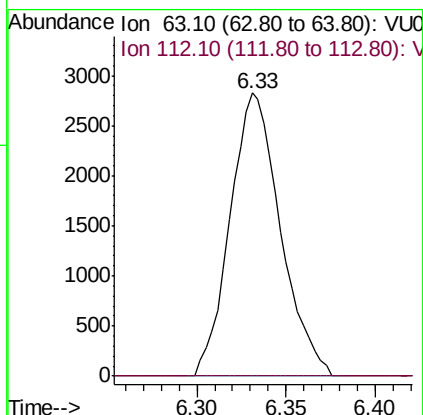
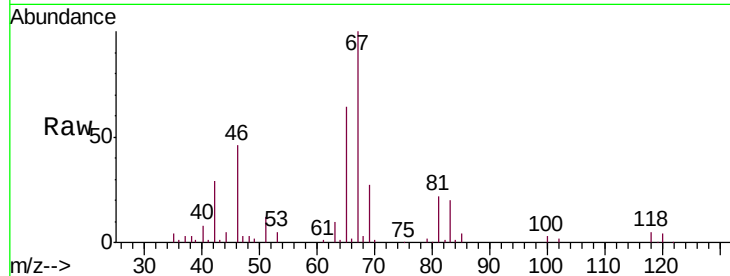




#37
 1,2-Dichloropropane
 Concen: 0.460 ug/L
 RT: 6.33 min Scan# 1604
 Delta R.T. -0.11 min
 Lab File: VU028256.D
 Acq: 19 Nov 2018 16:03

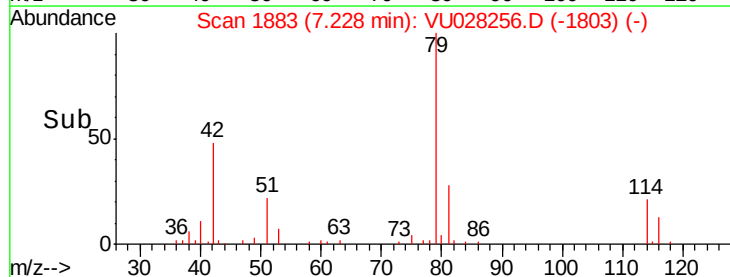
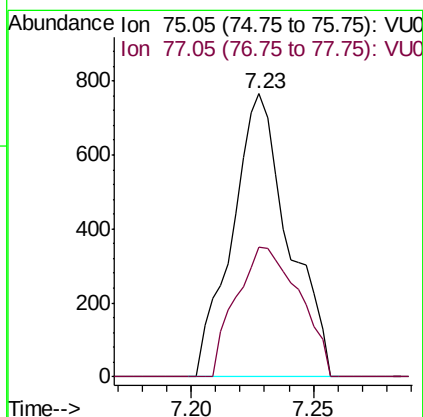
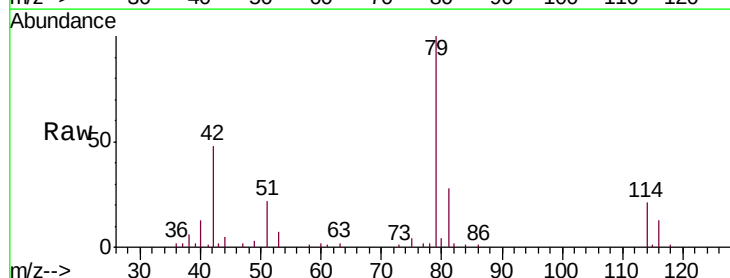
Instrument :
 MSVOA_U
 ClientSampleId :
 H0FJ5DL

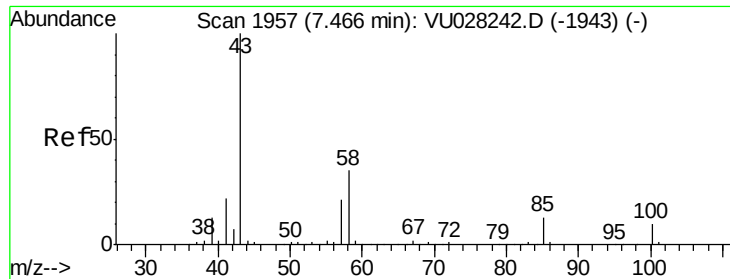
Tgt Ion: 63 Resp: 5530
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.2 3.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.080 ug/L
 RT: 7.23 min Scan# 1883
 Delta R.T. -0.04 min
 Lab File: VU028256.D
 Acq: 19 Nov 2018 16:03

Tgt Ion: 75 Resp: 1225
 Ion Ratio Lower Upper
 75 100
 77 46.0 21.7 40.3#

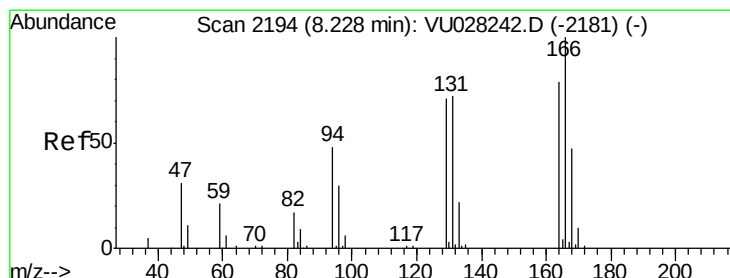
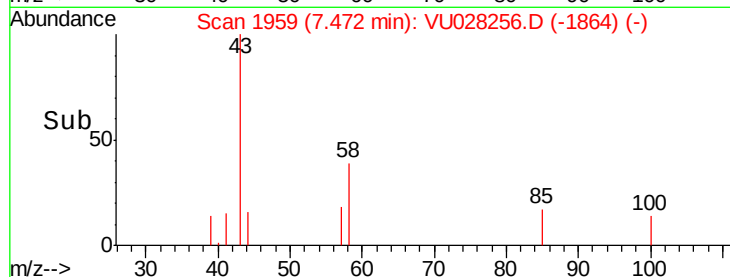
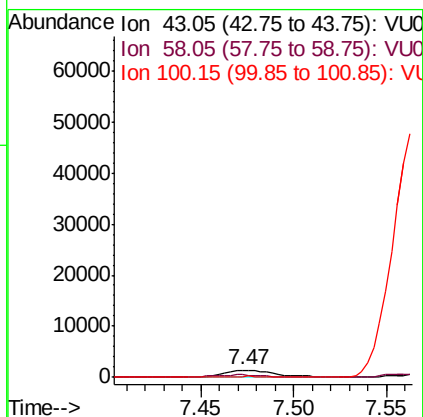
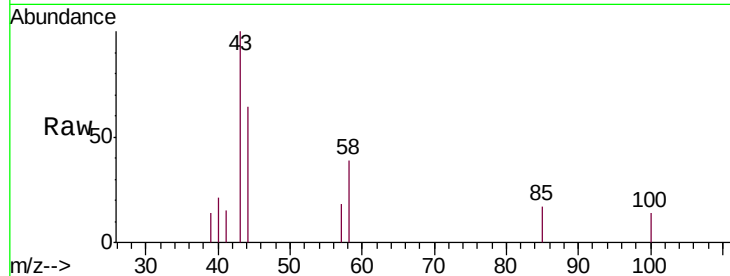




#40
4-Methyl-2-pentanone
Concen: 0.327 ug/L
RT: 7.47 min Scan# 1959
Delta R.T. 0.01 min
Lab File: VU028256.D
Acq: 19 Nov 2018 16:03

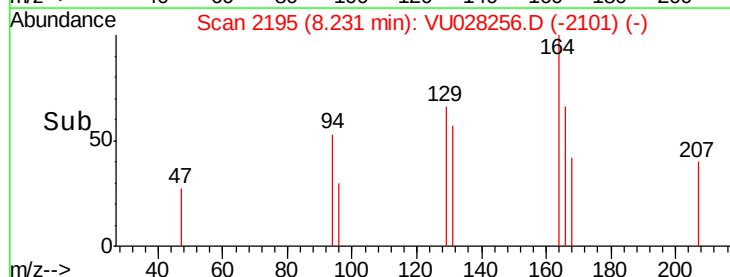
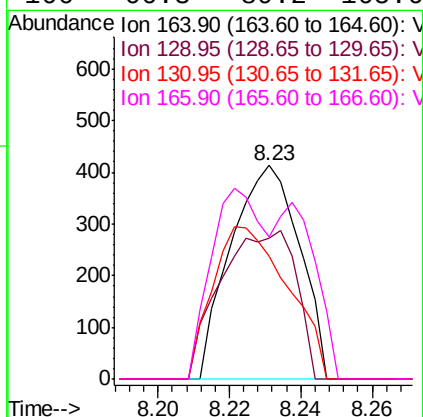
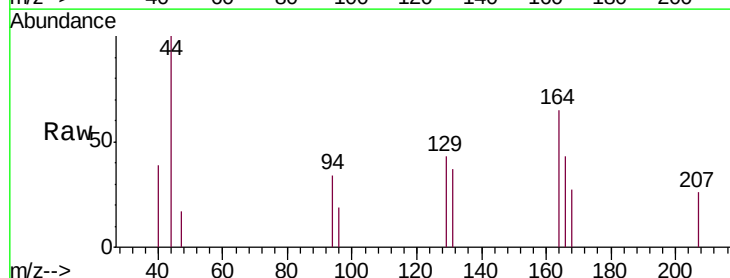
Instrument :
MSVOA_U
ClientSampleId :
H0FJ5DL

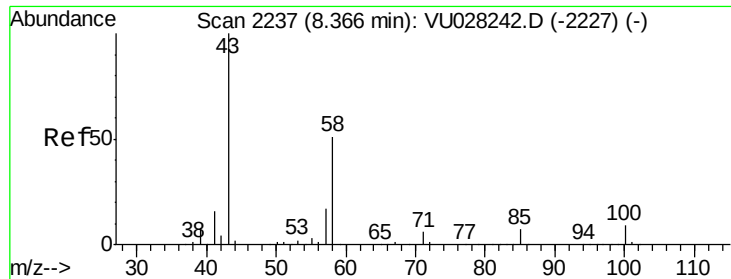
Tgt Ion: 43 Resp: 2813
Ion Ratio Lower Upper
43 100
58 32.4 28.8 43.2
100 0.0 8.0 12.0#



#47
Tetrachloroethene
Concen: 0.076 ug/L
RT: 8.23 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VU028256.D
Acq: 19 Nov 2018 16:03

Tgt Ion: 164 Resp: 548
Ion Ratio Lower Upper
164 100
129 66.1 67.6 125.6#
131 57.4 66.3 123.1#
166 66.3 89.2 165.6#

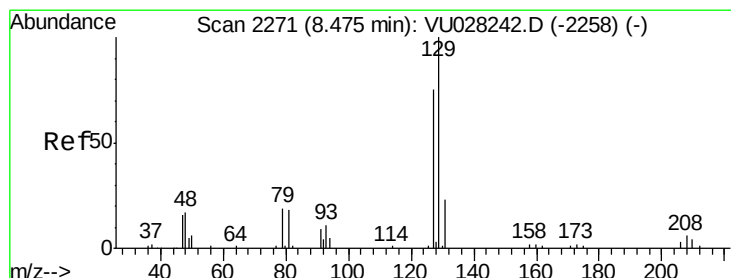
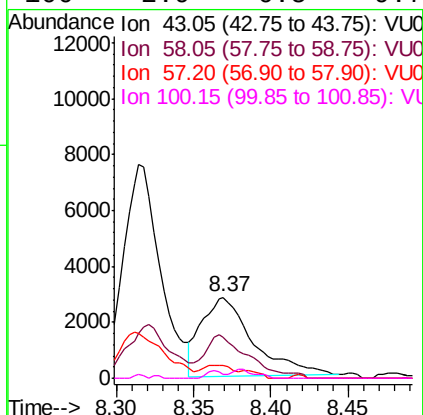
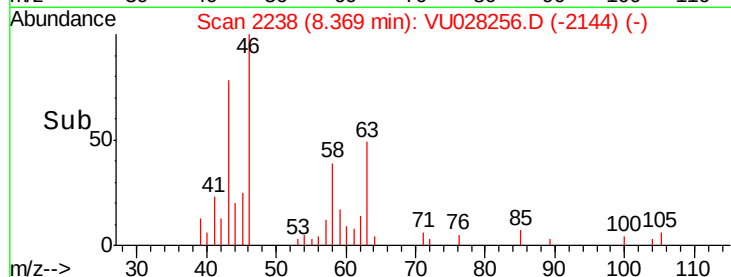
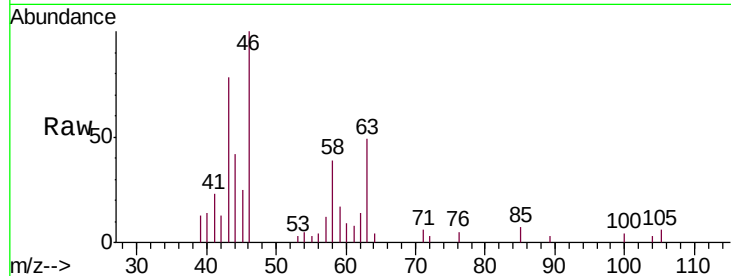




#48
2-Hexanone
Concen: 1.074 ug/L
RT: 8.37 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VU028256.D
Acq: 19 Nov 2018 16:03

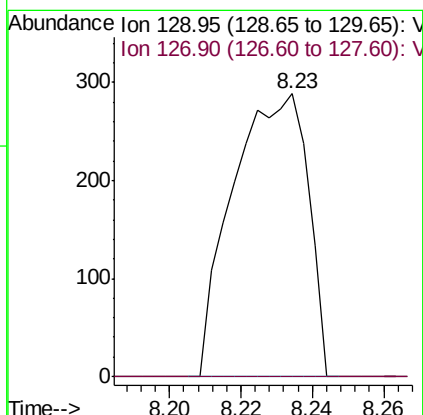
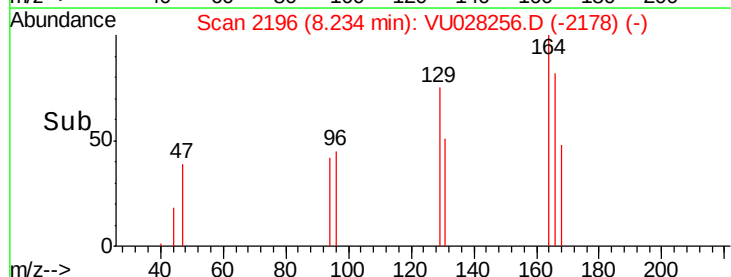
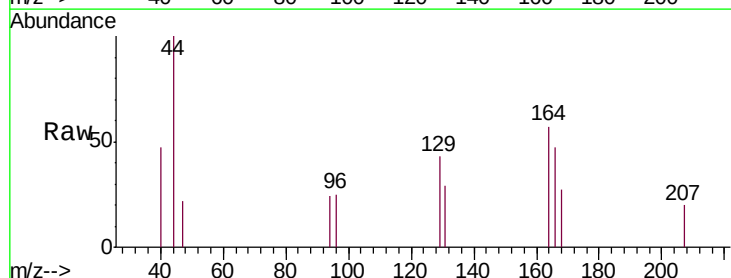
Instrument :
MSVOA_U
ClientSampleId :
H0FJ5DL

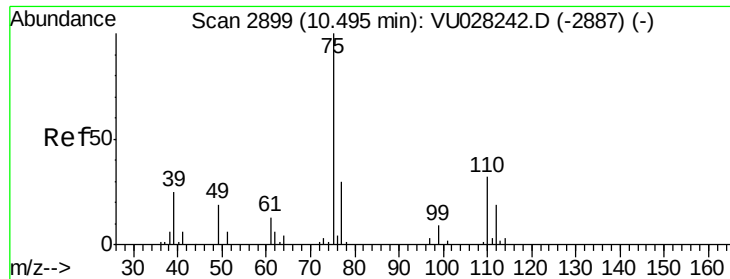
Tgt Ion: 43 Resp: 6587
Ion Ratio Lower Upper
43 100
58 45.9 41.1 61.7
57 13.1 13.8 20.8#
100 2.9 6.5 9.7#



#49
Dibromochloromethane
Concen: 0.057 ug/L
RT: 8.23 min Scan# 2196
Delta R.T. -0.24 min
Lab File: VU028256.D
Acq: 19 Nov 2018 16:03

Tgt Ion: 129 Resp: 418
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.5#

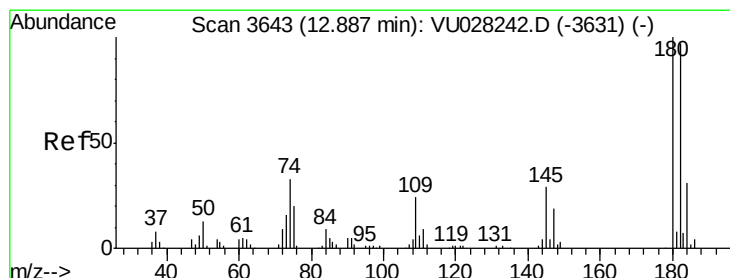
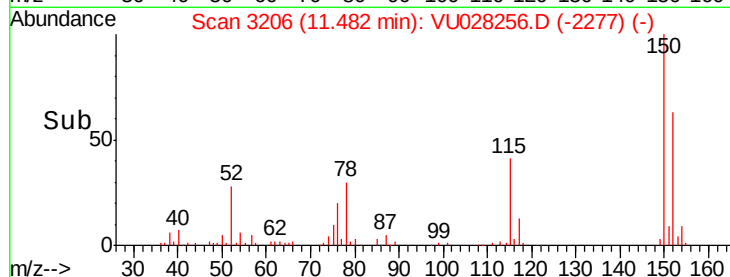
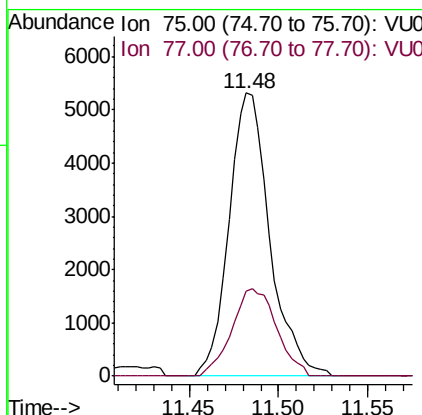
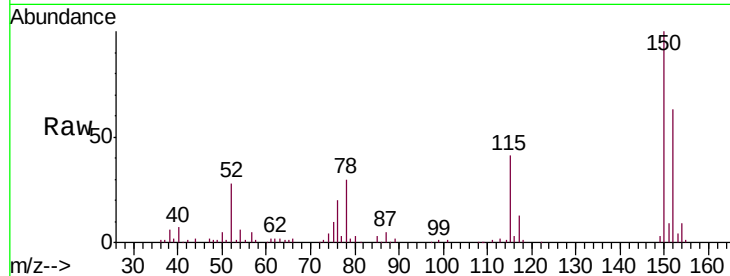




#59
 1,2,3-Trichloropropane
 Concen: 1.215 ug/L
 RT: 11.48 min Scan# 3206
 Delta R.T. 0.99 min
 Lab File: VU028256.D
 Acq: 19 Nov 2018 16:03

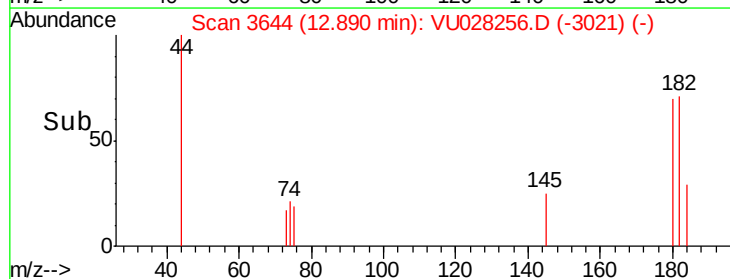
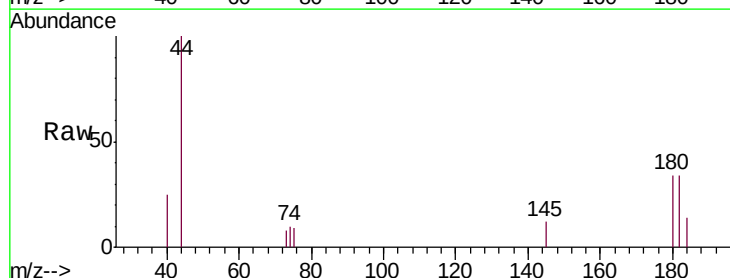
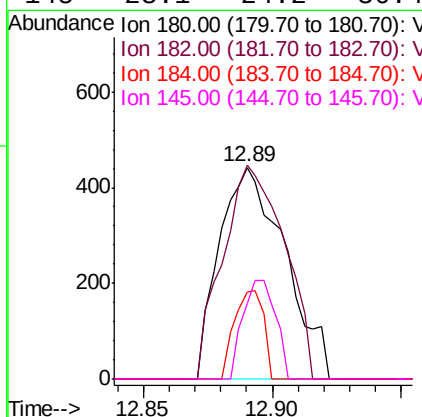
Instrument :
 MSVOA_U
 ClientSampleId :
 H0FJ5DL

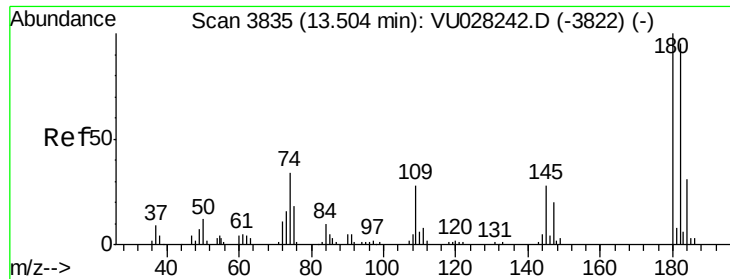
Tgt Ion: 75 Resp: 8450
 Ion Ratio Lower Upper
 75 100
 77 34.1 25.7 38.5



#67
 1,3,5-Trichlorobenzene
 Concen: 0.060 ug/L
 RT: 12.89 min Scan# 3644
 Delta R.T. 0.00 min
 Lab File: VU028256.D
 Acq: 19 Nov 2018 16:03

Tgt Ion: 180 Resp: 784
 Ion Ratio Lower Upper
 180 100
 182 94.6 77.5 116.3
 184 18.4 23.7 35.5#
 145 23.1 24.2 36.4#

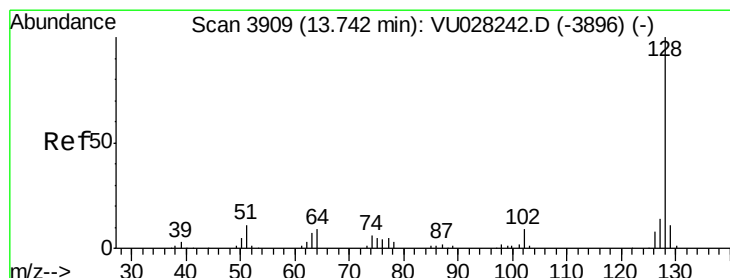
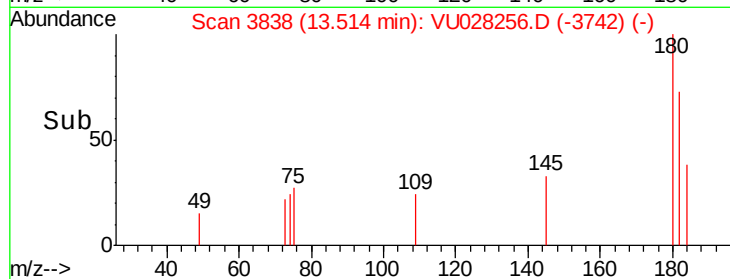
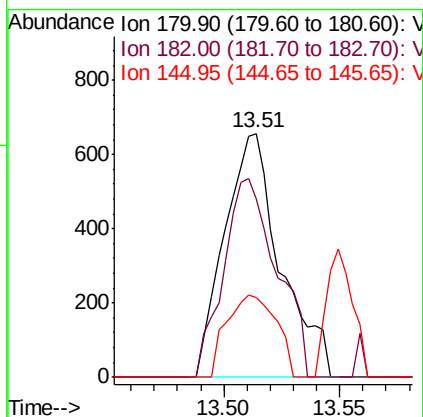
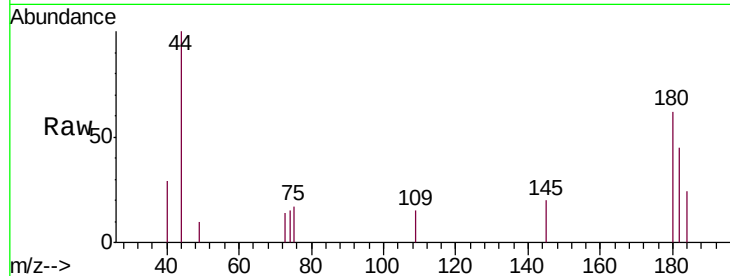




#68
 1,2,4-trichlorobenzene
 Concen: 0.100 ug/L
 RT: 13.51 min Scan# 3838
 Delta R.T. 0.01 min
 Lab File: VU028256.D
 Acq: 19 Nov 2018 16:03

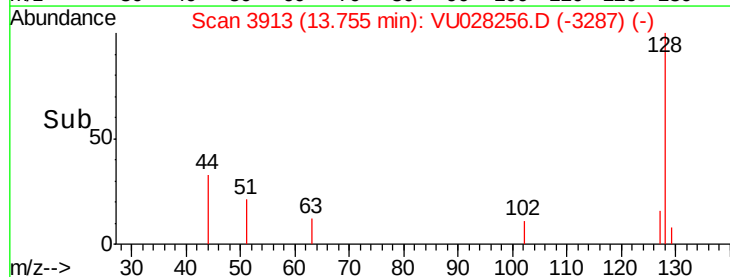
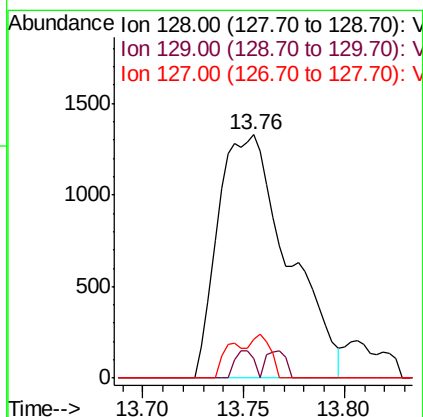
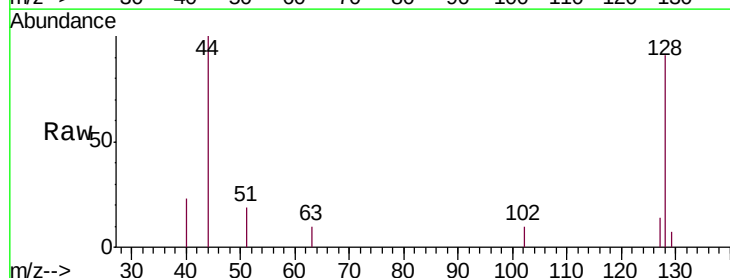
Instrument :
 MSVOA_U
 ClientSampleId :
 H0FJ5DL

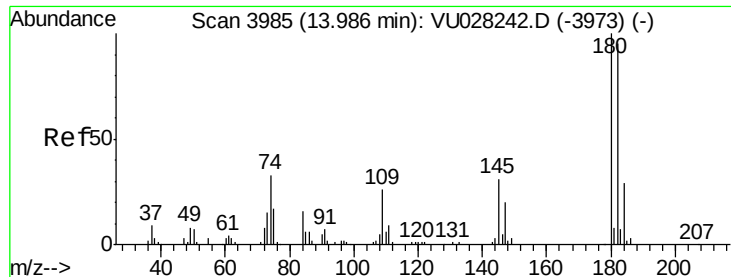
Tgt Ion:180 Resp: 1101
 Ion Ratio Lower Upper
 180 100
 182 77.5 75.4 113.2
 145 29.9 24.5 36.7



#69
 Naphthalene
 Concen: 0.164 ug/L
 RT: 13.76 min Scan# 3913
 Delta R.T. 0.01 min
 Lab File: VU028256.D
 Acq: 19 Nov 2018 16:03

Tgt Ion:128 Resp: 3204
 Ion Ratio Lower Upper
 128 100
 129 3.0 8.6 12.8#
 127 4.7 10.7 16.1#





#70
 1,2,3-Trichlorobenzene
 Concen: 0.127 ug/L
 RT: 13.99 min Scan# 3987
 Delta R.T. 0.01 min
 Lab File: VU028256.D
 Acq: 19 Nov 2018 16:03

Instrument :
 MSVOA_U
 ClientSampleId :
 H0FJ5DL

Tgt Ion:180 Resp: 1321
 Ion Ratio Lower Upper
 180 100
 182 45.5 77.0 115.4#
 145 25.9 25.7 38.5

