

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082118\
 Data File : VU026235.D
 Acq On : 21 Aug 2018 16:11
 Operator : MD/SY
 Sample : J4488-19DL 40X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0362DL

Quant Time: Aug 22 00:26:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR081718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 22 00:24:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	126906	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	128912	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	58596	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	31973	4.77	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.40%
7) Chloroethane-d5	1.68	69	27222	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.80%
11) 1,1-Dichloroethene-d2	2.28	63	67248	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.80%
20) 2-Butanone-d5	4.19	46	104786	54.75	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.50%
24) Chloroform-d	4.65	84	79154	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.60%
26) 1,2-Dichloroethane-d4	5.32	65	41103	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
32) Benzene-d6	5.34	84	145860	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
36) 1,2-Dichloropropane-d6	6.34	67	47570	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.80%
41) Toluene-d8	7.57	98	120585	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.40%
43) trans-1,3-Dichloropropene-	7.85	79	17265	4.48	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.60%
46) 2-Hexanone-d5	8.32	63	80666	50.23	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.46%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	38677	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	51615	5.03	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.60%

Target Compounds

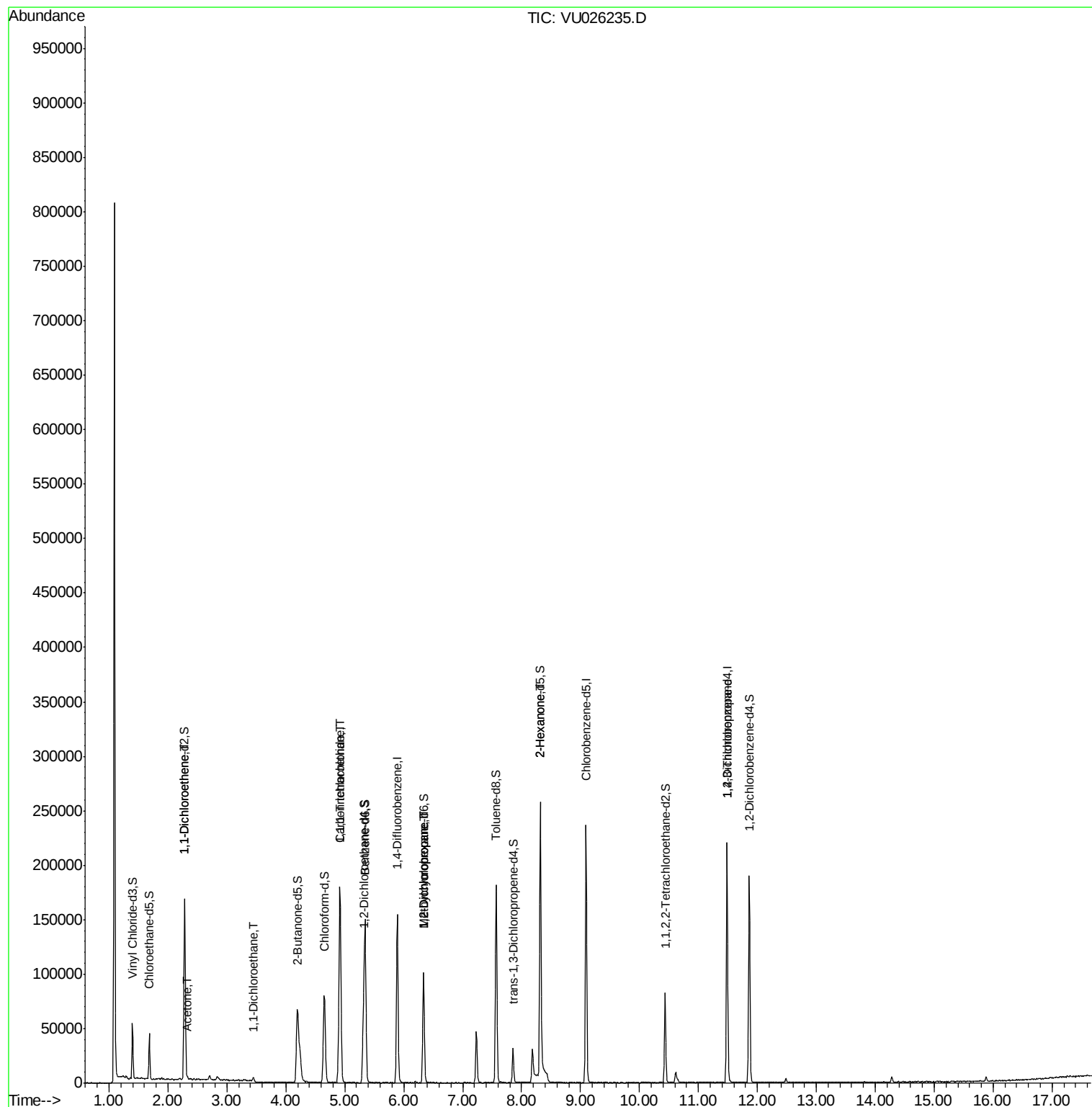
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	2.29	96	34661	4.699	ug/L	95
13) Acetone	2.33	43	1570	1.239	ug/L	87
19) 1,1-Dichloroethane	3.45	63	5034	0.330	ug/L #	90
29) 1,1,1-Trichloroethane	4.92	97	140103	8.391	ug/L	100
31) Carbon tetrachloride	4.92	117	18735	1.233	ug/L	99
35) Methylcyclohexane	6.34	83	11921	0.798	ug/L #	17
37) 1,2-Dichloropropane	6.34	63	5444	0.541	ug/L #	95
48) 2-Hexanone	8.32	43	10484	2.778	ug/L #	68
59) 1,2,3-Trichloropropane	11.48	75	6466	1.063	ug/L	91

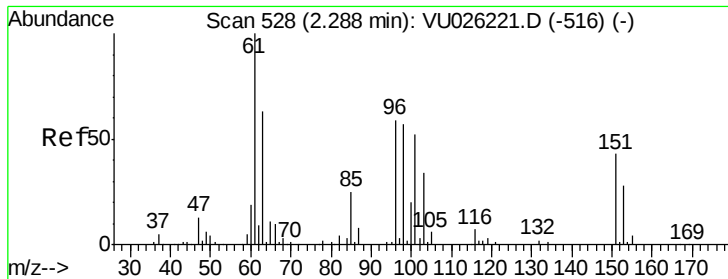
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 22 00:24:50 2018
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 4.699 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU026235.D

Acq: 21 Aug 2018 16:11

Instrument :

MSVOA_U

ClientSampleId :

C0362DL

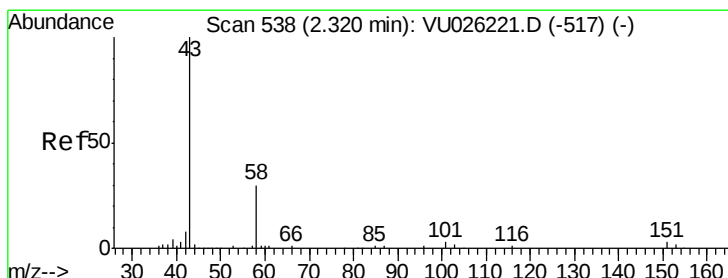
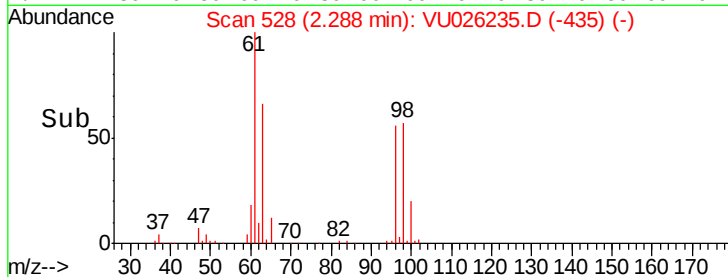
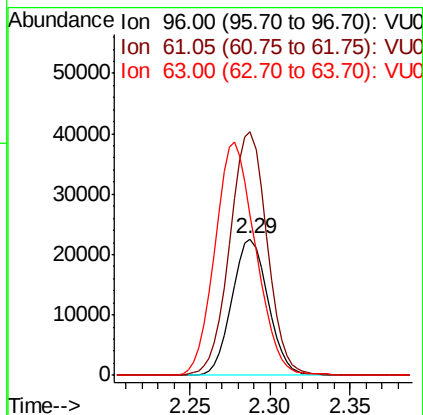
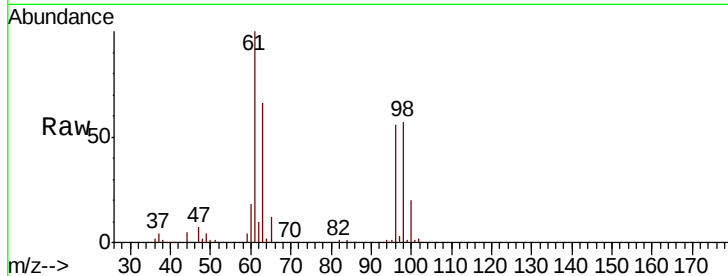
Tgt Ion: 96 Resp: 34661

Ion Ratio Lower Upper

96 100

61 178.6 125.3 232.7

63 117.3 90.9 168.9



#13

Acetone

Concen: 1.239 ug/L

RT: 2.33 min Scan# 541

Delta R.T. 0.01 min

Lab File: VU026235.D

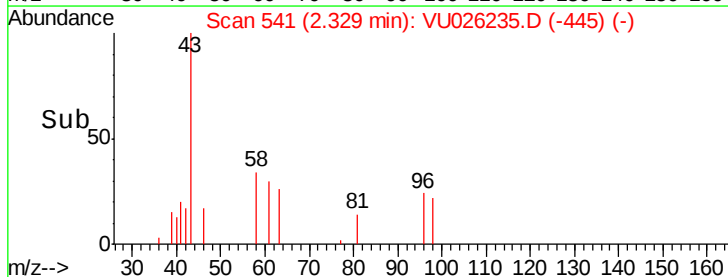
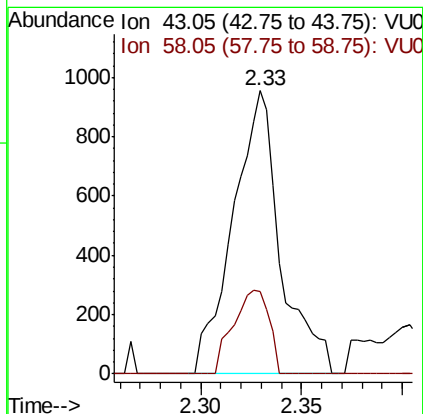
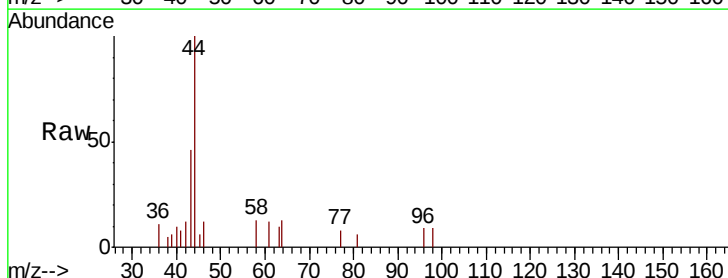
Acq: 21 Aug 2018 16:11

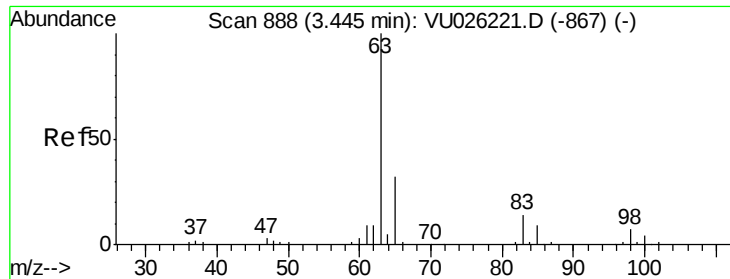
Tgt Ion: 43 Resp: 1570

Ion Ratio Lower Upper

43 100

58 22.4 0.0 59.0

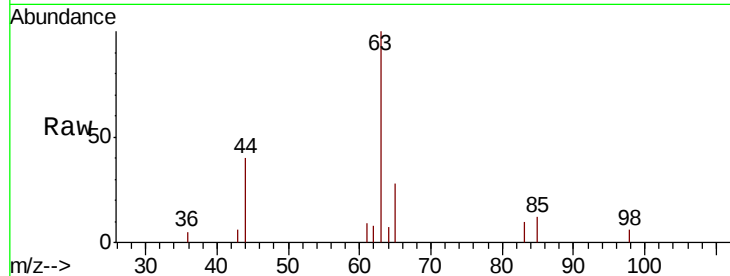




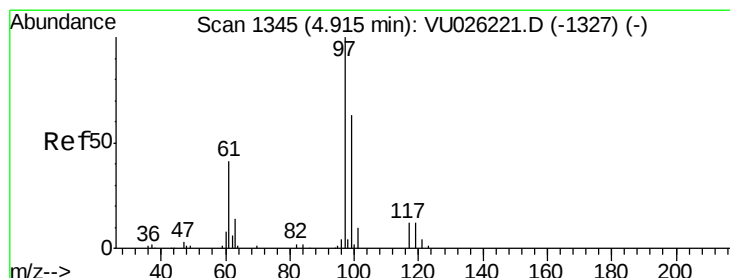
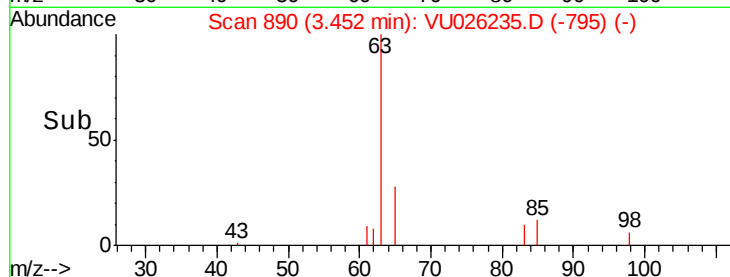
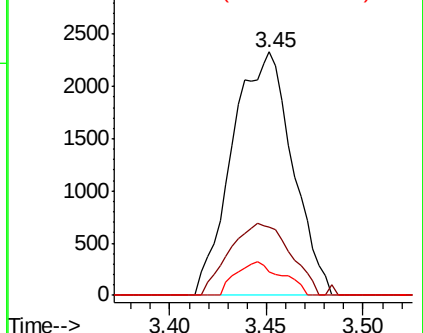
#19
 1,1-Dichloroethane
 Concen: 0.330 ug/L
 RT: 3.45 min Scan# 890
 Delta R.T. 0.01 min
 Lab File: VU026235.D
 Acq: 21 Aug 2018 16:11

Instrument :
 MSVOA_U
 ClientSampleId :
 C0362DL

Tgt Ion: 63 Resp: 5034
 Ion Ratio Lower Upper
 63 100
 65 27.9 23.2 43.0
 83 9.8 10.1 18.9#

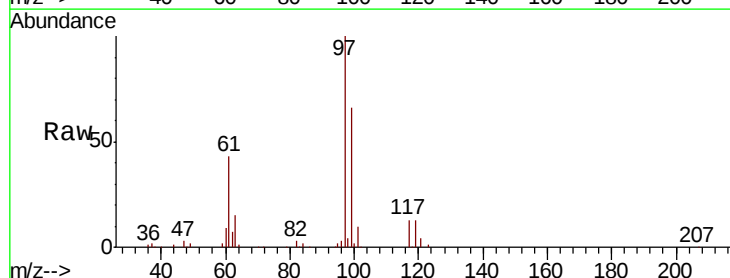


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

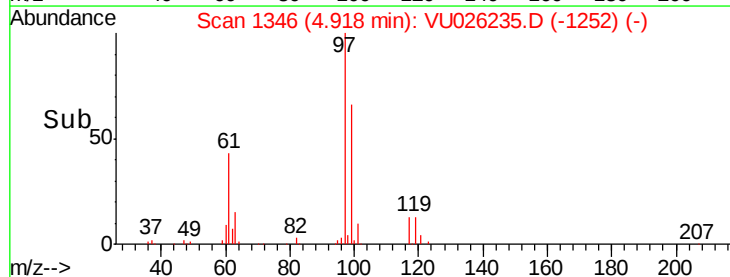
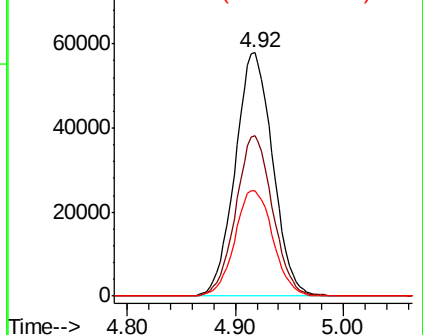


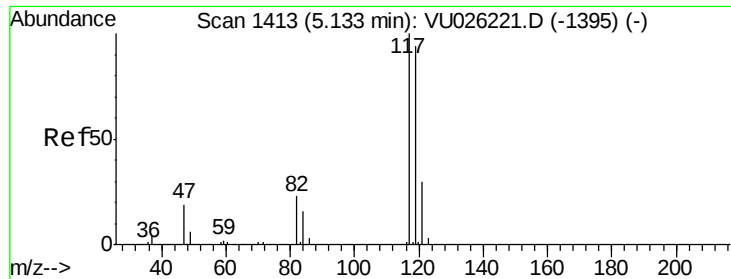
#29
 1,1,1-Trichloroethane
 Concen: 8.391 ug/L
 RT: 4.92 min Scan# 1346
 Delta R.T. 0.00 min
 Lab File: VU026235.D
 Acq: 21 Aug 2018 16:11

Tgt Ion: 97 Resp: 140103
 Ion Ratio Lower Upper
 97 100
 99 64.8 52.3 78.5
 61 43.8 35.0 52.6



Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 1.233 ug/L

RT: 4.92 min Scan# 1346

Delta R.T. -0.22 min

Lab File: VU026235.D

Acq: 21 Aug 2018 16:11

Instrument :

MSVOA_U

ClientSampleId :

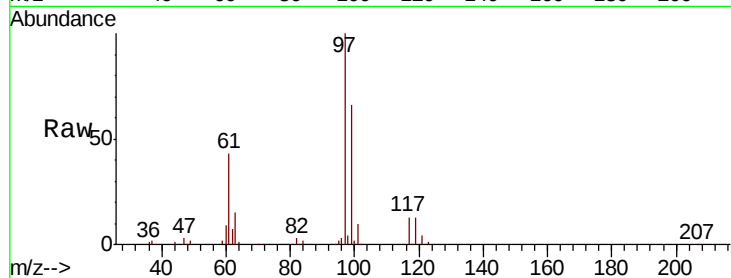
C0362DL

Tgt Ion:117 Resp: 18735

Ion Ratio Lower Upper

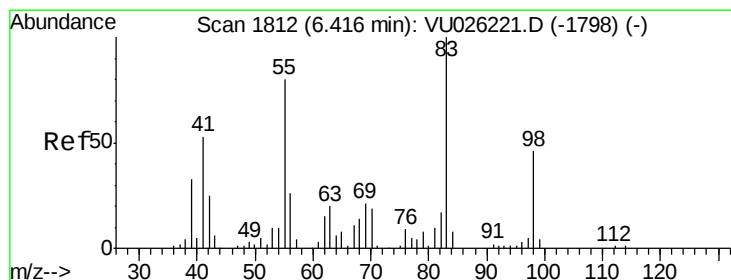
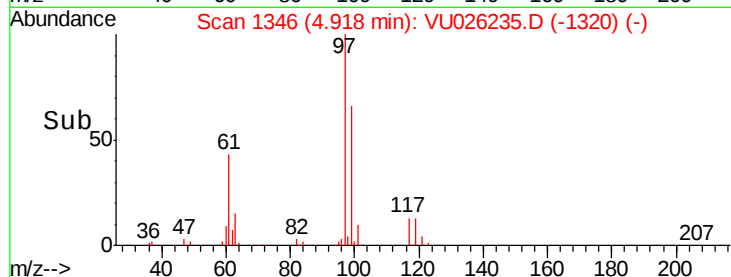
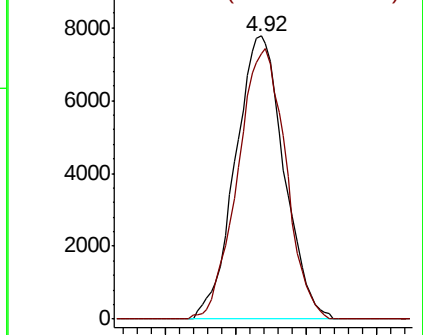
117 100

119 94.4 76.6 115.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#35

Methylcyclohexane

Concen: 0.798 ug/L

RT: 6.34 min Scan# 1787

Delta R.T. -0.08 min

Lab File: VU026235.D

Acq: 21 Aug 2018 16:11

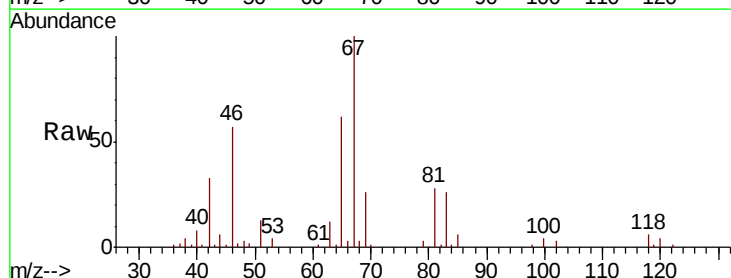
Tgt Ion: 83 Resp: 11921

Ion Ratio Lower Upper

83 100

55 0.0 65.0 97.4#

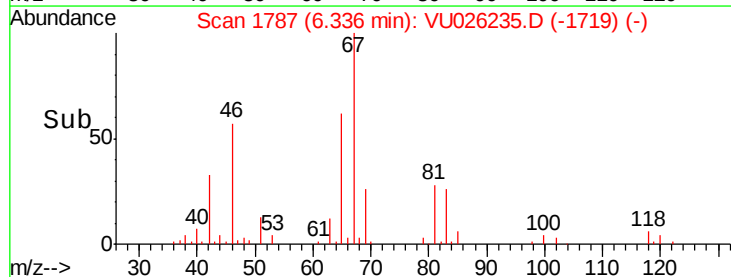
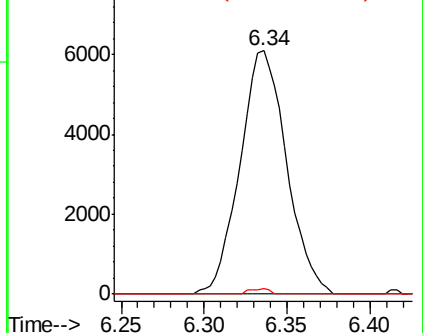
98 0.9 37.8 56.6#

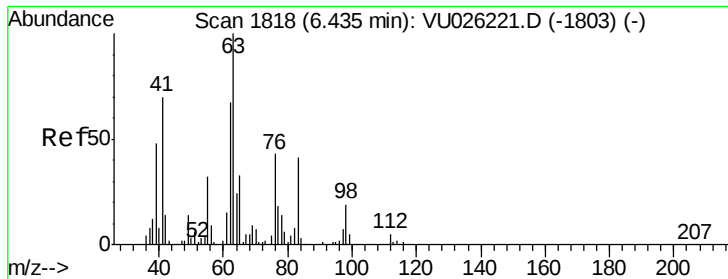


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.541 ug/L

RT: 6.34 min Scan# 1787

Delta R.T. -0.10 min

Lab File: VU026235.D

Acq: 21 Aug 2018 16:11

Instrument :

MSVOA_U

ClientSampleId :

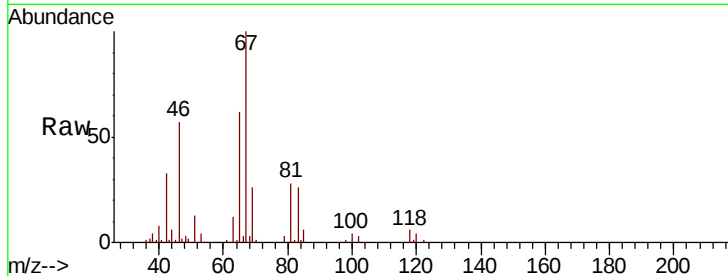
C0362DL

Tgt Ion: 63 Resp: 5444

Ion Ratio Lower Upper

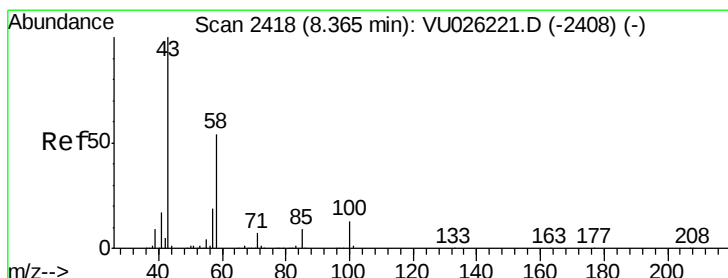
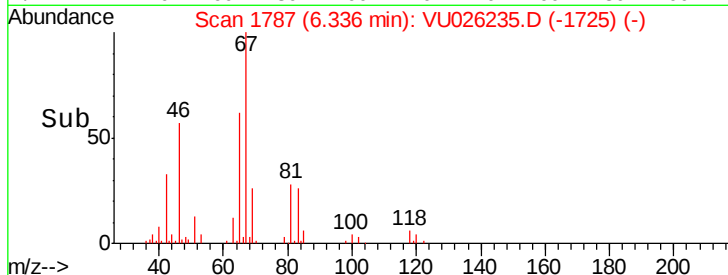
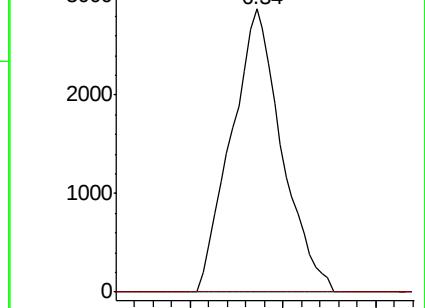
63 100

112 0.0 1.4 2.2#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V



#48

2-Hexanone

Concen: 2.778 ug/L

RT: 8.32 min Scan# 2403

Delta R.T. -0.05 min

Lab File: VU026235.D

Acq: 21 Aug 2018 16:11

Tgt Ion: 43 Resp: 10484

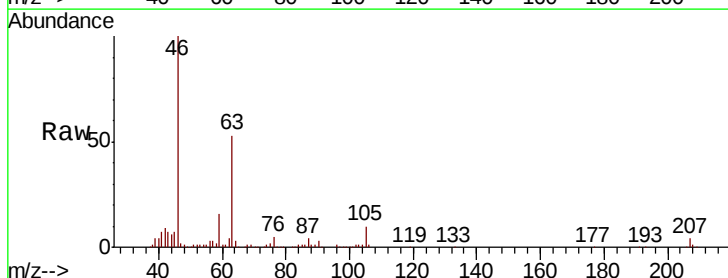
Ion Ratio Lower Upper

43 100

58 32.5 43.1 64.7#

57 37.9 15.4 23.0#

100 2.3 9.4 14.0#

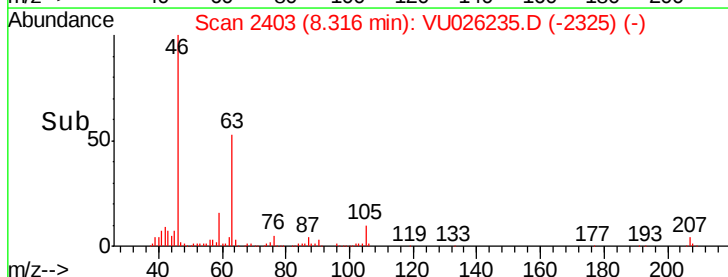
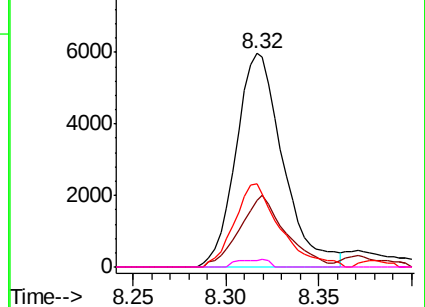


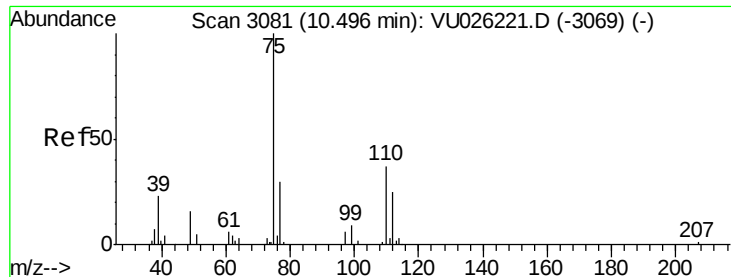
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#59

1,2,3-Trichloropropane

Concen: 1.063 ug/L

RT: 11.48 min Scan# 3388

Delta R.T. 0.99 min

Lab File: VU026235.D

Acq: 21 Aug 2018 16:11

Instrument :

MSVOA_U

ClientSampleId :

C0362DL

Tgt Ion: 75 Resp: 6466

Ion Ratio Lower Upper

75 100

77 41.3 29.0 43.4

