

Data File : VU029502.D
Acq On : 15 Feb 2019 17:44
Operator : JC/SP
Sample : K1438-11DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESXC4DL

Quant Time: Feb 16 00:17:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Feb 16 00:13:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	234907	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	229338	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	122380	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	67223	4.26	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.20%
7) Chloroethane-d5	1.68	69	65529	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.00%
11) 1,1-Dichloroethene-d2	2.27	63	112148	3.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.40%
20) 2-Butanone-d5	4.21	46	150609	45.90	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.80%
24) Chloroform-d	4.65	84	109391	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.20%
26) 1,2-Dichloroethane-d4	5.31	65	61076	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
32) Benzene-d6	5.34	84	247975	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.00%
36) 1,2-Dichloropropane-d6	6.33	67	73039	4.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.60%
41) Toluene-d8	7.56	98	249744	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
43) trans-1,3-Dichloropropene-	7.85	79	30305	4.16	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.20%
46) 2-Hexanone-d5	8.31	63	156459	46.69	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.38%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	62861	4.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	108017	4.78	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.60%

Target Compounds

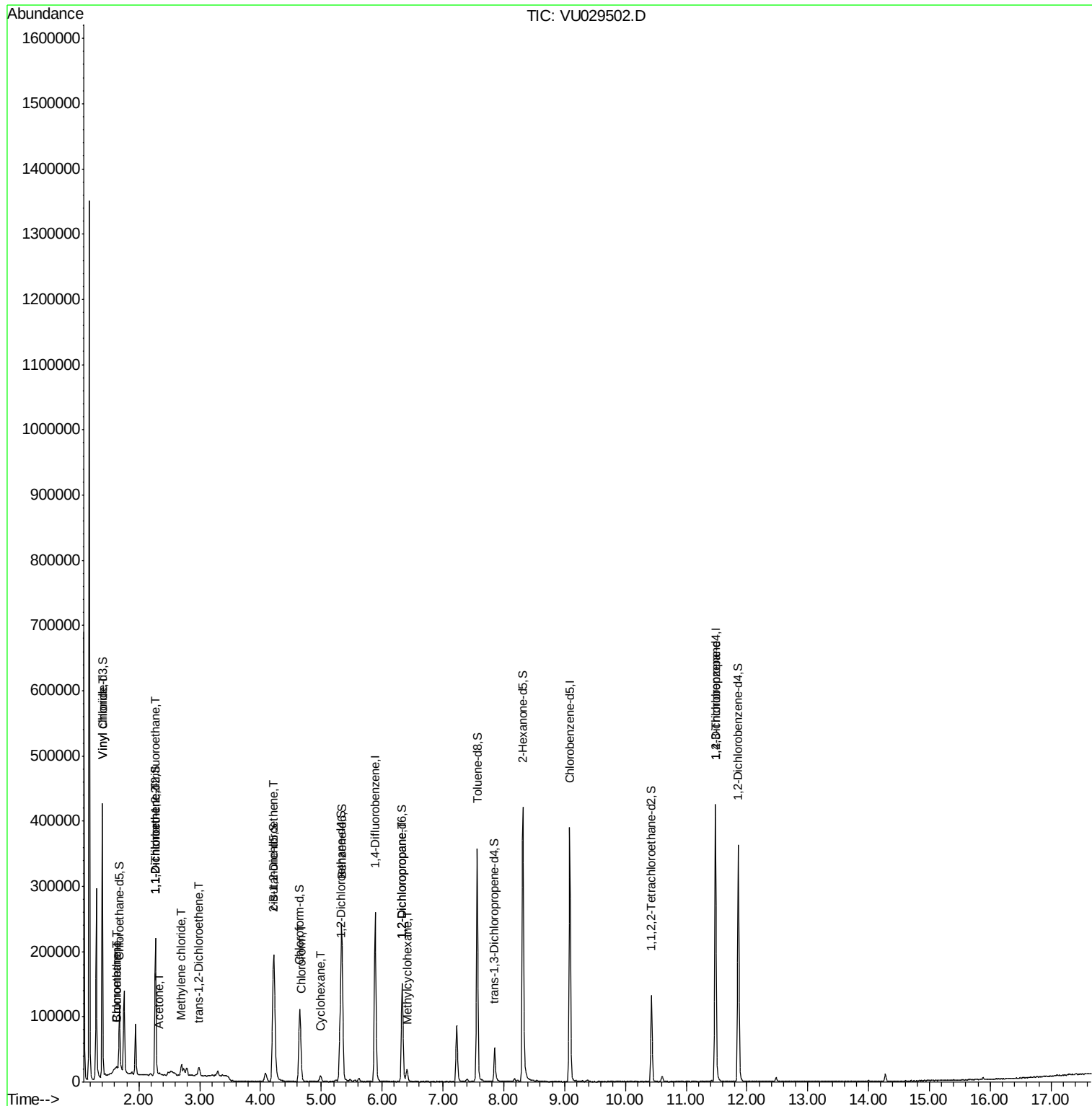
					Qvalue
5) Vinyl chloride	1.40	62	19297	0.853 ug/L	89
6) Bromomethane	1.63	94	681	0.052 ug/L #	60
8) Chloroethane	1.62	64	27636	1.876 ug/L #	51
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1172	0.057 ug/L #	20
12) 1,1-Dichloroethene	2.28	96	1567	0.081 ug/L #	1
13) Acetone	2.34	43	2582	0.866 ug/L	87
16) Methylene chloride	2.70	84	6881	0.317 ug/L	91
18) trans-1,2-Dichloroethene	2.98	96	2081	0.101 ug/L	94
22) cis-1,2-Dichloroethene	4.22	96	74399	3.924 ug/L	97
25) Chloroform	4.67	83	4833	0.156 ug/L	98
30) Cyclohexane	4.99	56	4608	0.170 ug/L #	87
35) Methylcyclohexane	6.41	83	8810	0.276 ug/L	98
37) 1,2-Dichloropropane	6.33	63	7659	0.453 ug/L #	87
59) 1,2,3-Trichloropropane	11.48	75	11937	1.101 ug/L	99

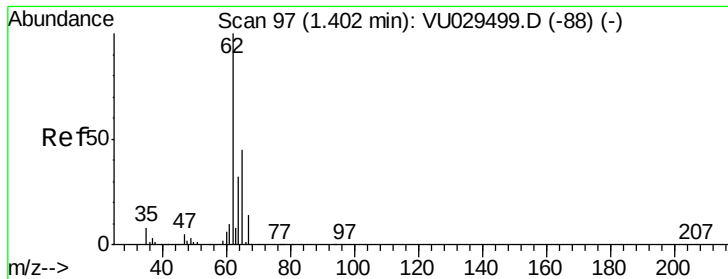
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.853 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

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MSVOA_U

ClientSampleId :

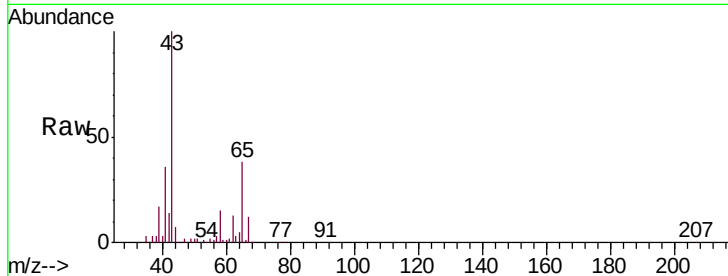
ESXC4DL

Tgt Ion: 62 Resp: 19297

Ion Ratio Lower Upper

62 100

64 39.6 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.40

20000

15000

10000

5000

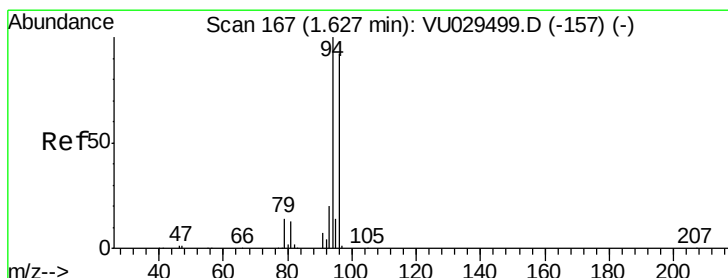
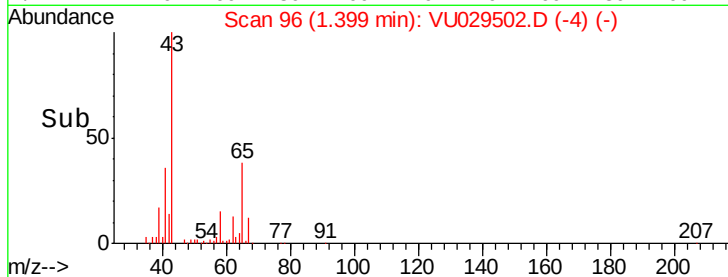
0

Time-->

1.35

1.40

1.45



#6

Bromomethane

Concen: 0.052 ug/L

RT: 1.63 min Scan# 169

Delta R.T. 0.01 min

Lab File: VU029502.D

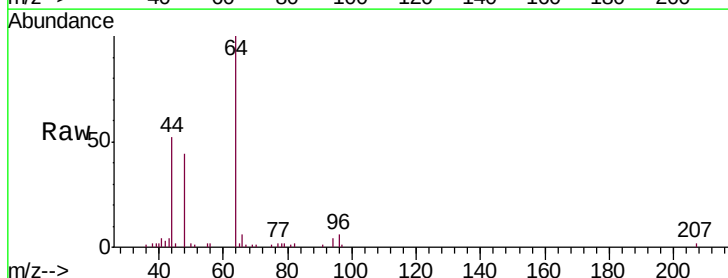
Acq: 15 Feb 2019 17:44

Tgt Ion: 94 Resp: 681

Ion Ratio Lower Upper

94 100

96 131.9 65.2 121.0#



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.63

600

500

400

300

200

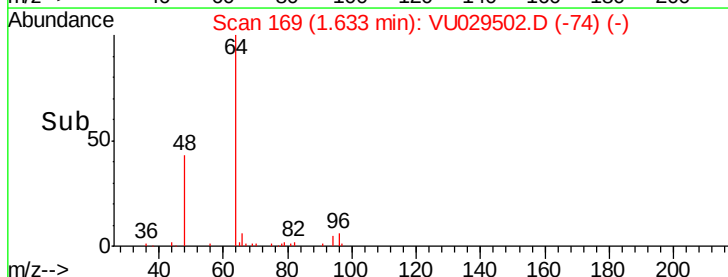
100

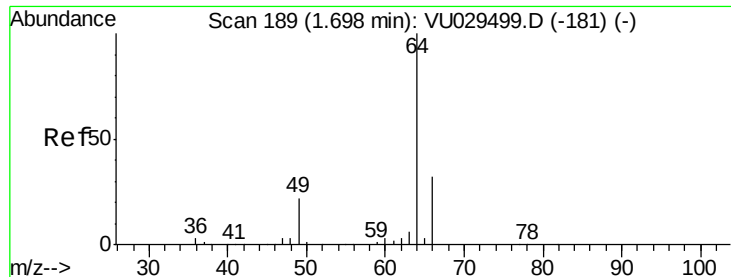
0

Time-->

1.60

1.65





#8

Chloroethane

Concen: 1.876 ug/L

RT: 1.62 min Scan# 164

Delta R.T. -0.08 min

Lab File: VU029502.D

Acq: 15 Feb 2019 17:44

Instrument :

MSVOA_U

ClientSampled :

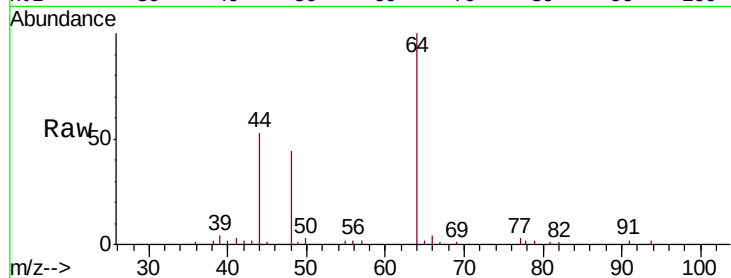
ESXC4DL

Tgt Ion: 64 Resp: 27636

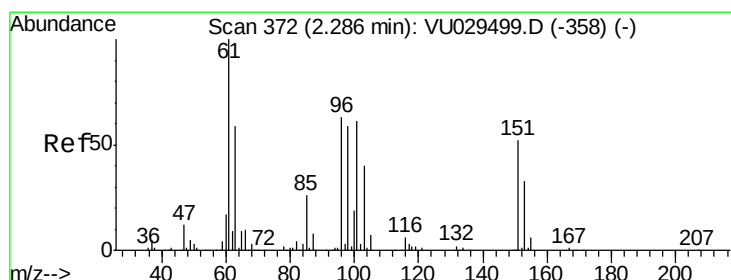
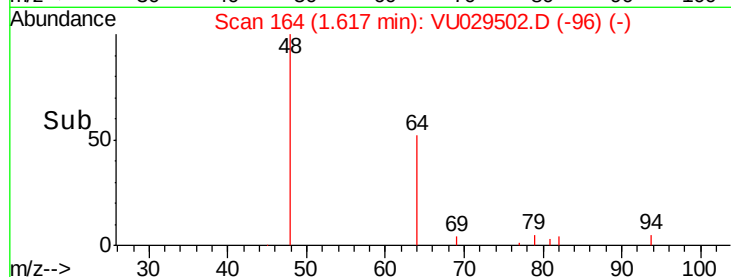
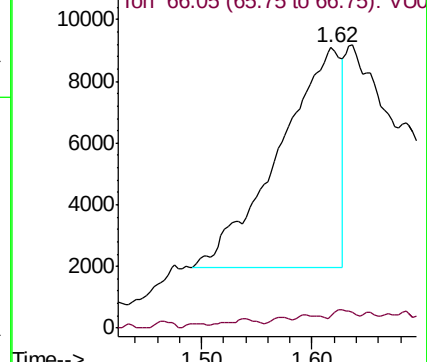
Ion Ratio Lower Upper

64 100

66 4.3 22.0 40.8#



Abundance Ion 64.10 (63.80 to 64.80): VU029499.D (-181) (-)



#10

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

Concen: 0.057 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029502.D

Acq: 15 Feb 2019 17:44

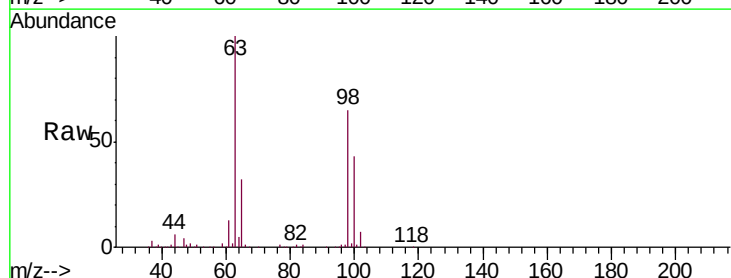
Tgt Ion: 101 Resp: 1172

Ion Ratio Lower Upper

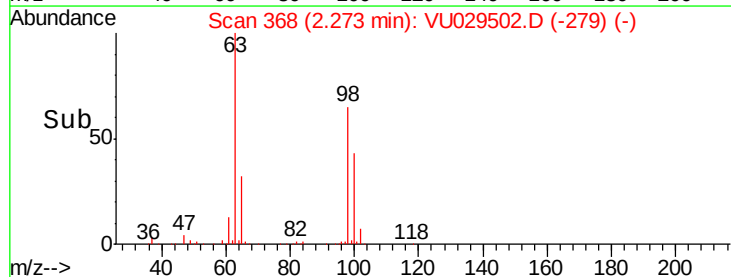
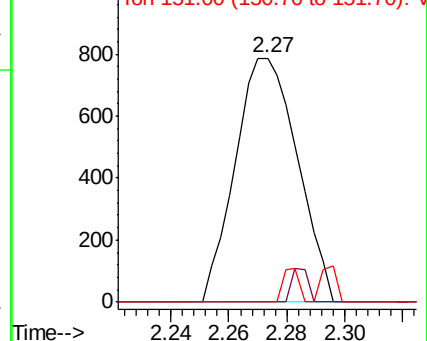
101 100

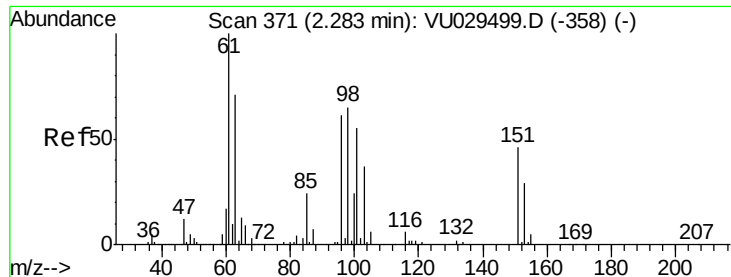
85 3.5 35.1 52.7#

151 3.5 67.0 100.6#



Abundance Ion 101.00 (100.70 to 101.70): VU029499.D (-358) (-)

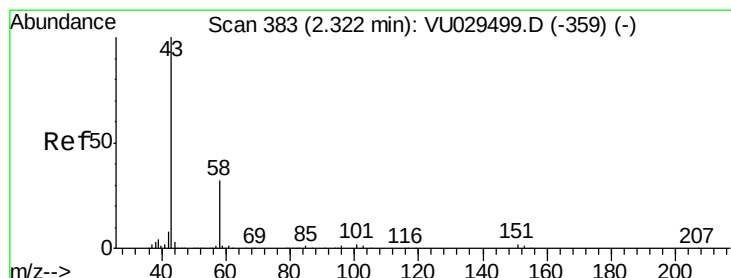
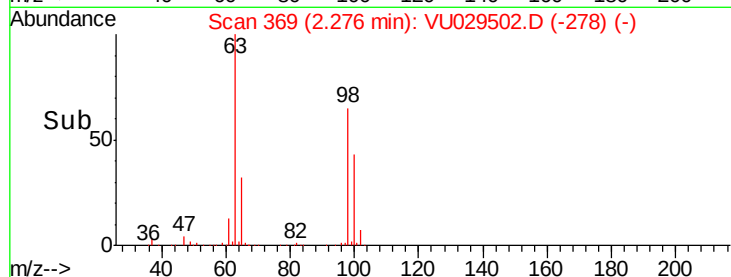
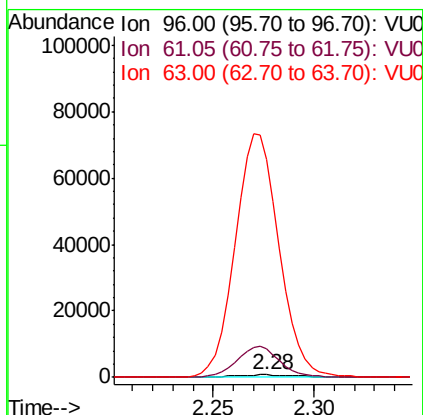
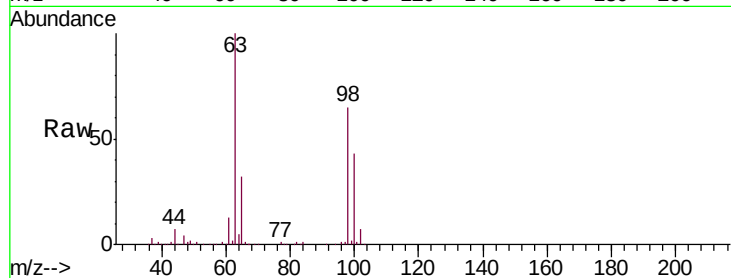




#12
 1,1-Dichloroethene
 Concen: 0.081 ug/L
 RT: 2.28 min Scan# 369
 Delta R.T. -0.01 min
 Lab File: VU029502.D
 Acq: 15 Feb 2019 17:44

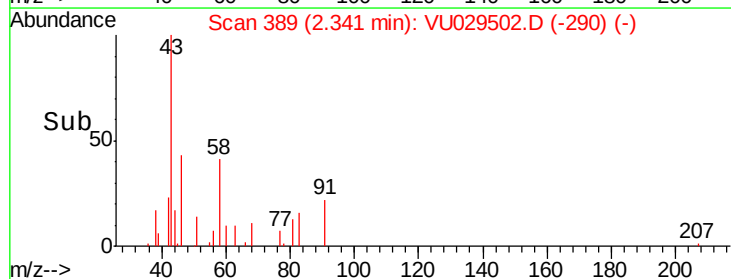
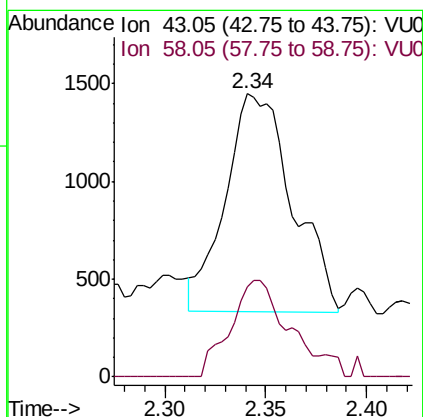
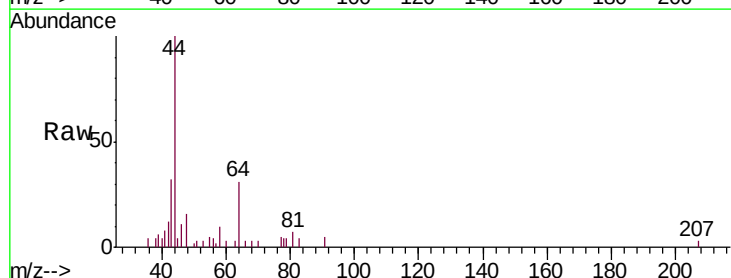
Instrument :
 MSVOA_U
 ClientSampleId :
 ESXC4DL

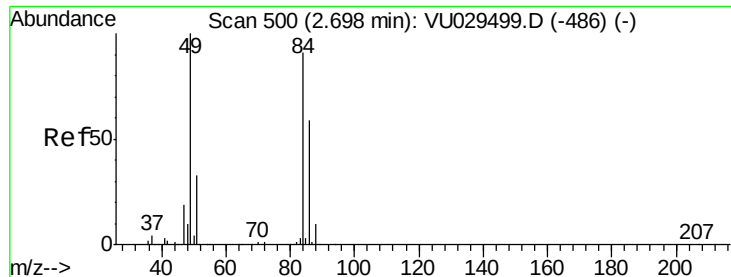
Tgt Ion: 96 Resp: 1567
 Ion Ratio Lower Upper
 96 100
 61 1104.9 115.1 213.7#
 63 8532.6 83.5 155.1#



#13
 Acetone
 Concen: 0.866 ug/L
 RT: 2.34 min Scan# 389
 Delta R.T. 0.02 min
 Lab File: VU029502.D
 Acq: 15 Feb 2019 17:44

Tgt Ion: 43 Resp: 2582
 Ion Ratio Lower Upper
 43 100
 58 39.7 0.0 65.0

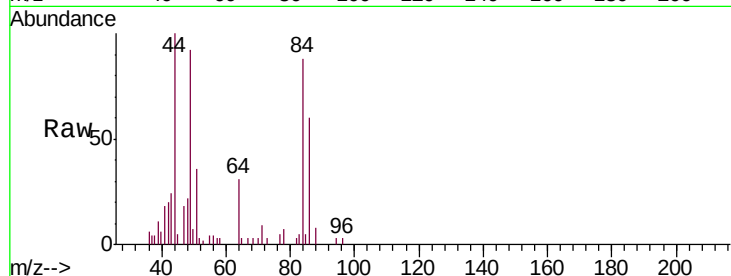




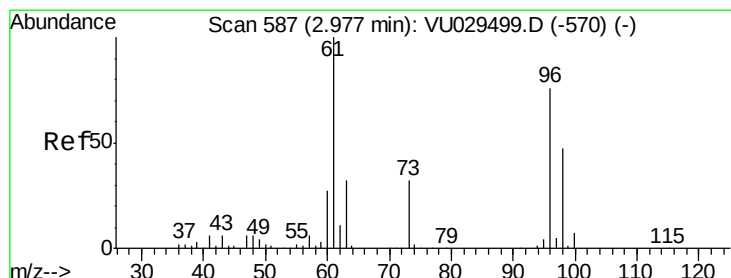
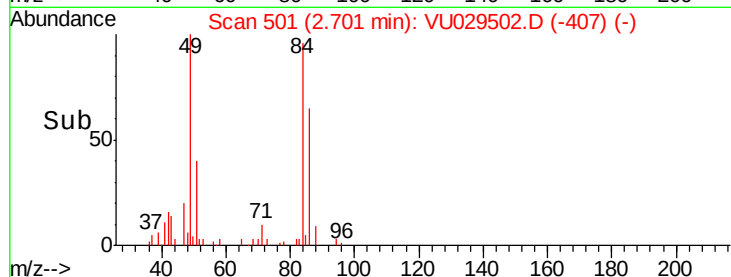
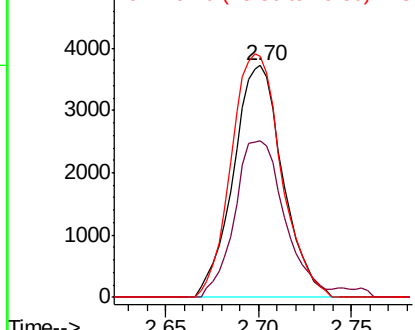
#16
Methylene chloride
Concen: 0.317 ug/L
RT: 2.70 min Scan# 501
Delta R.T. 0.00 min
Lab File: VU029502.D
Acq: 15 Feb 2019 17:44

Instrument :
MSVOA_U
ClientSampleId :
ESXC4DL

Tgt Ion: 84 Resp: 6881
Ion Ratio Lower Upper
84 100
86 67.5 45.1 83.9
49 104.1 81.8 151.8

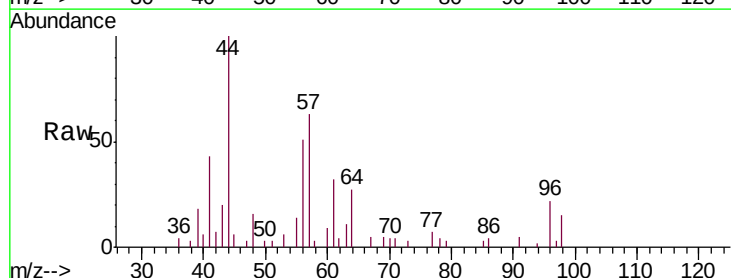


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

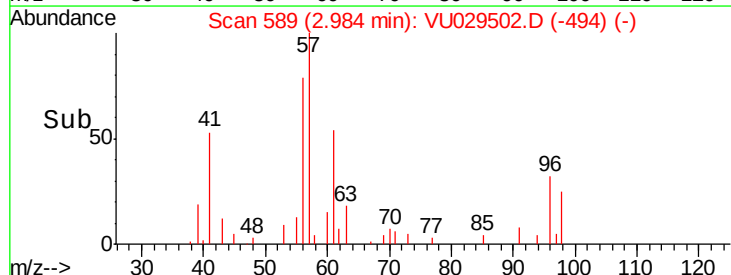
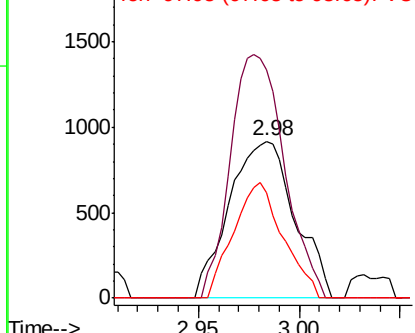


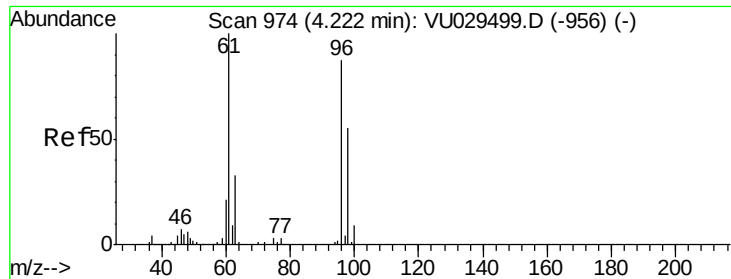
#18
trans-1,2-Dichloroethene
Concen: 0.101 ug/L
RT: 2.98 min Scan# 589
Delta R.T. 0.01 min
Lab File: VU029502.D
Acq: 15 Feb 2019 17:44

Tgt Ion: 96 Resp: 2081
Ion Ratio Lower Upper
96 100
61 145.7 95.4 177.2
98 67.2 45.8 85.2



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



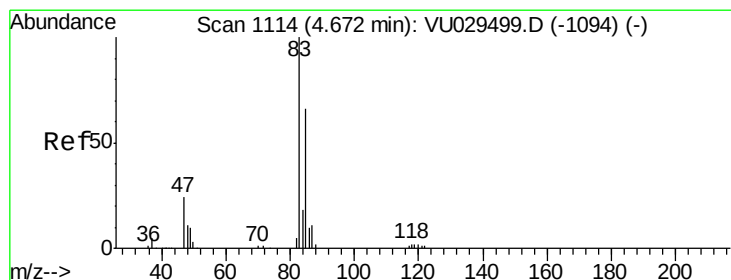
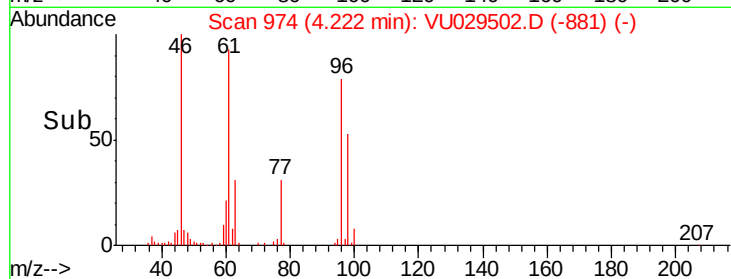
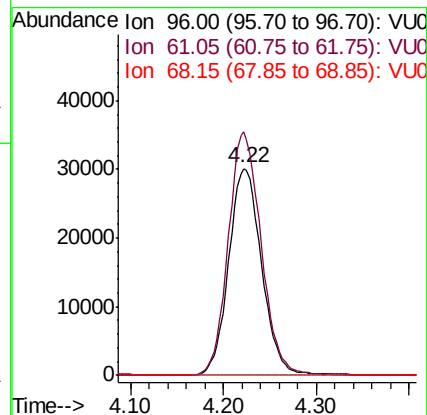
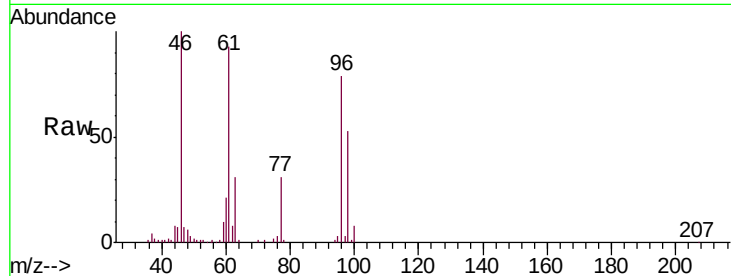


#22

cis-1,2-Dichloroethene
 Concen: 3.924 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. -0.00 min
 Lab File: VU029502.D
 Acq: 15 Feb 2019 17:44

Instrument :
 MSVOA_U
 ClientSampleId :
 ESXC4DL

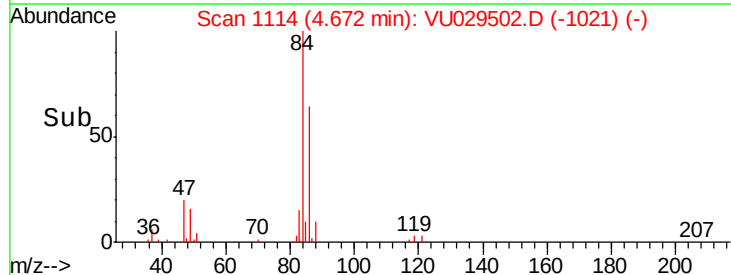
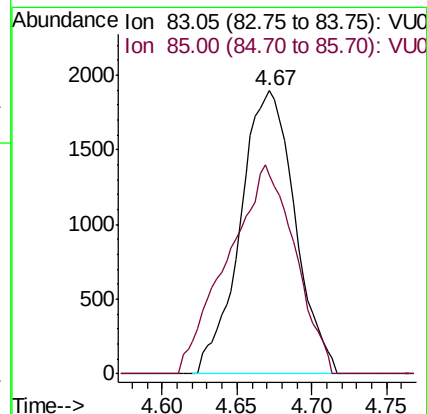
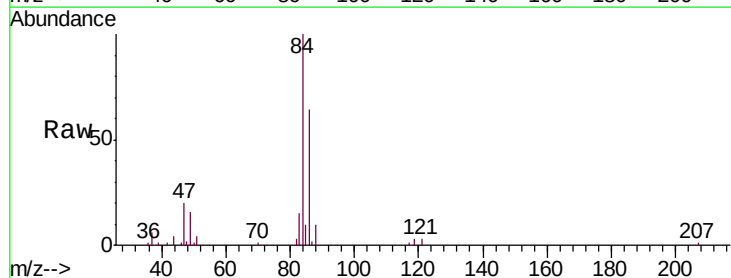
Tgt Ion: 96 Resp: 74399
 Ion Ratio Lower Upper
 96 100
 61 117.7 79.9 148.5
 68 0.0 0.0 0.0

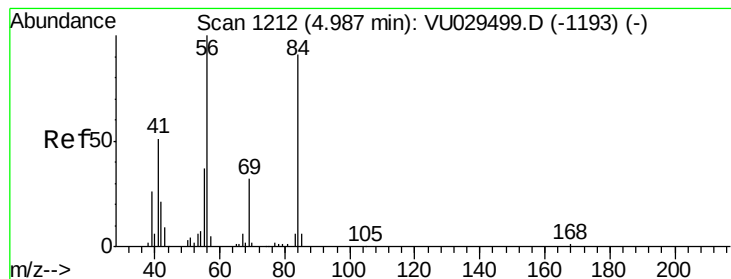


#25

Chloroform
 Concen: 0.156 ug/L
 RT: 4.67 min Scan# 1114
 Delta R.T. -0.00 min
 Lab File: VU029502.D
 Acq: 15 Feb 2019 17:44

Tgt Ion: 83 Resp: 4833
 Ion Ratio Lower Upper
 83 100
 85 70.1 47.8 88.8





#30

Cyclohexane

Concen: 0.170 ug/L

RT: 4.99 min Scan# 1214

Delta R.T. 0.01 min

Lab File: VU029502.D

Acq: 15 Feb 2019 17:44

Instrument :

MSVOA_U

ClientSampleId :

ESXC4DL

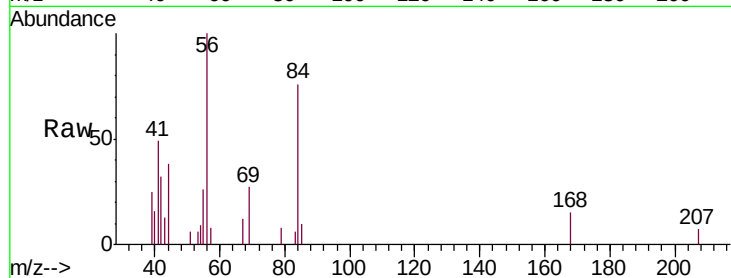
Tgt Ion: 56 Resp: 4608

Ion Ratio Lower Upper

56 100

69 19.5 25.8 38.6#

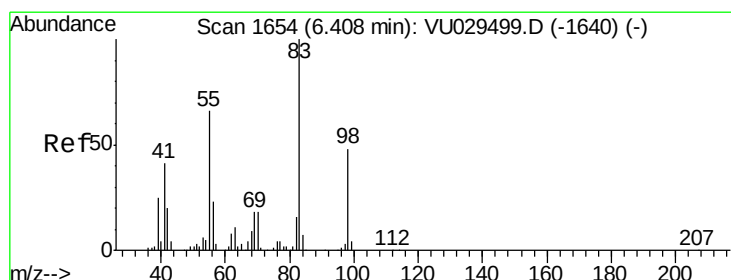
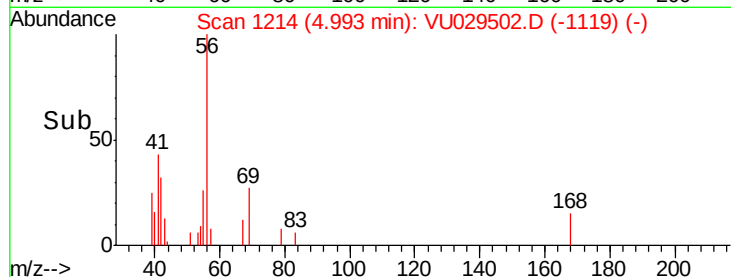
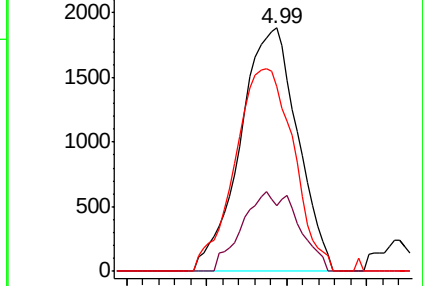
84 85.0 75.0 112.6



Abundance Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0



#35

Methylcyclohexane

Concen: 0.276 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU029502.D

Acq: 15 Feb 2019 17:44

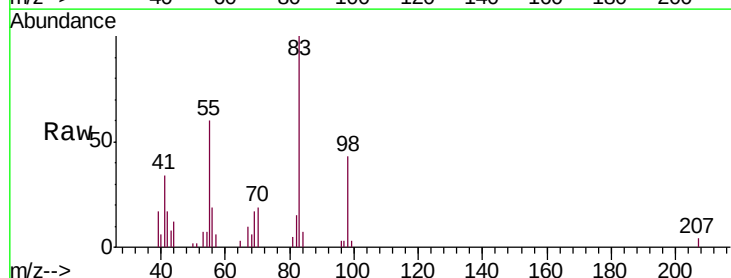
Tgt Ion: 83 Resp: 8810

Ion Ratio Lower Upper

83 100

55 68.5 55.9 83.9

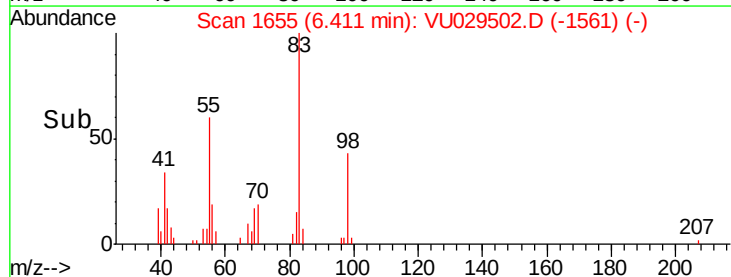
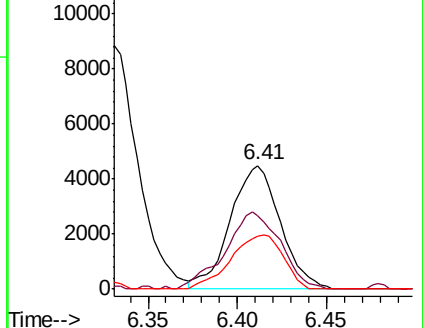
98 45.7 38.6 57.8

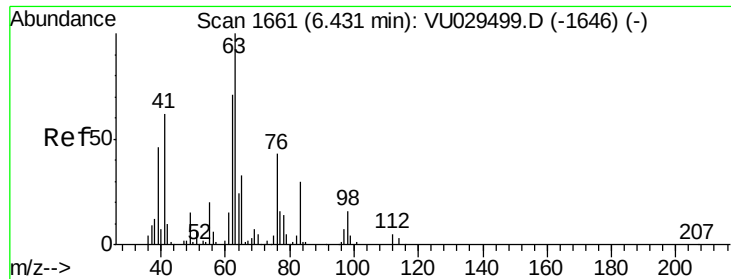


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

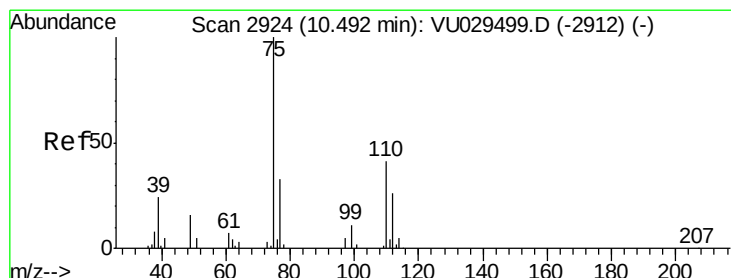
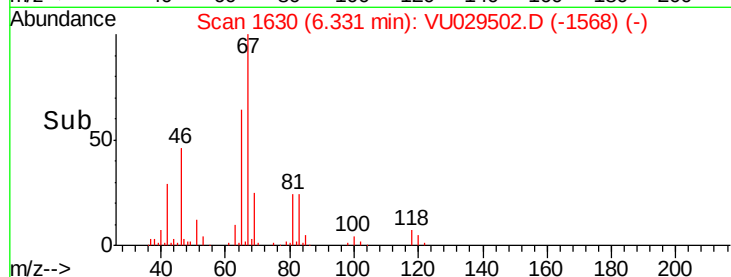
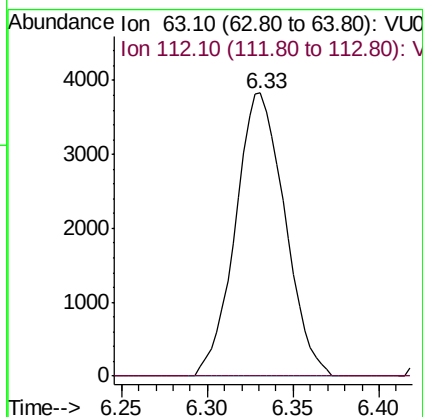
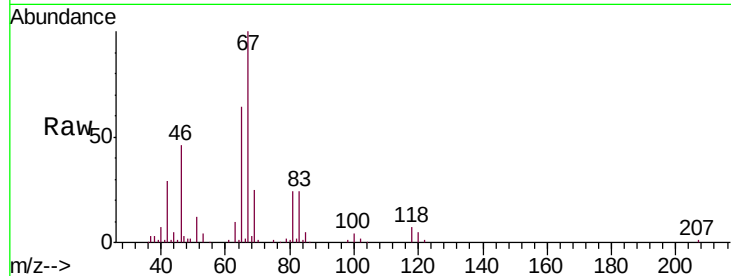




#37
 1,2-Dichloropropane
 Concen: 0.453 ug/L
 RT: 6.33 min Scan# 1630
 Delta R.T. -0.10 min
 Lab File: VU029502.D
 Acq: 15 Feb 2019 17:44

Instrument :
 MSVOA_U
 ClientSampleId :
 ESXC4DL

Tgt Ion: 63 Resp: 7659
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#59
 1,2,3-Trichloropropane
 Concen: 1.101 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU029502.D
 Acq: 15 Feb 2019 17:44

Tgt Ion: 75 Resp: 11937
 Ion Ratio Lower Upper
 75 100
 77 35.7 28.2 42.2

