

Data File : VU033300.D
Acq On : 17 Jul 2019 19:12
Operator : JC/SP
Sample : K3772-14DL 50X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
A52R1DL

Quant Time: Jul 18 08:07:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR071619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 18 08:01:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.87	114	122721	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	128935	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	55520	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	47399	3.83	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.60%
7) Chloroethane-d5	1.67	69	43965	4.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.40%
11) 1,1-Dichloroethene-d2	2.26	63	78636	3.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.80%
20) 2-Butanone-d5	4.17	46	82626	35.48	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	70.96%
24) Chloroform-d	4.62	84	70984	3.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.80%
26) 1,2-Dichloroethane-d4	5.29	65	46919	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
32) Benzene-d6	5.32	84	157246	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
36) 1,2-Dichloropropane-d6	6.31	67	53388	4.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.40%
41) Toluene-d8	7.55	98	136428	4.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.20%
43) trans-1,3-Dichloropropene-	7.84	79	19113	4.18	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.60%
46) 2-Hexanone-d5	8.30	63	82732	43.99	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.98%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	46869	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.80%
64) 1,2-Dichlorobenzene-d4	11.85	152	52901	4.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

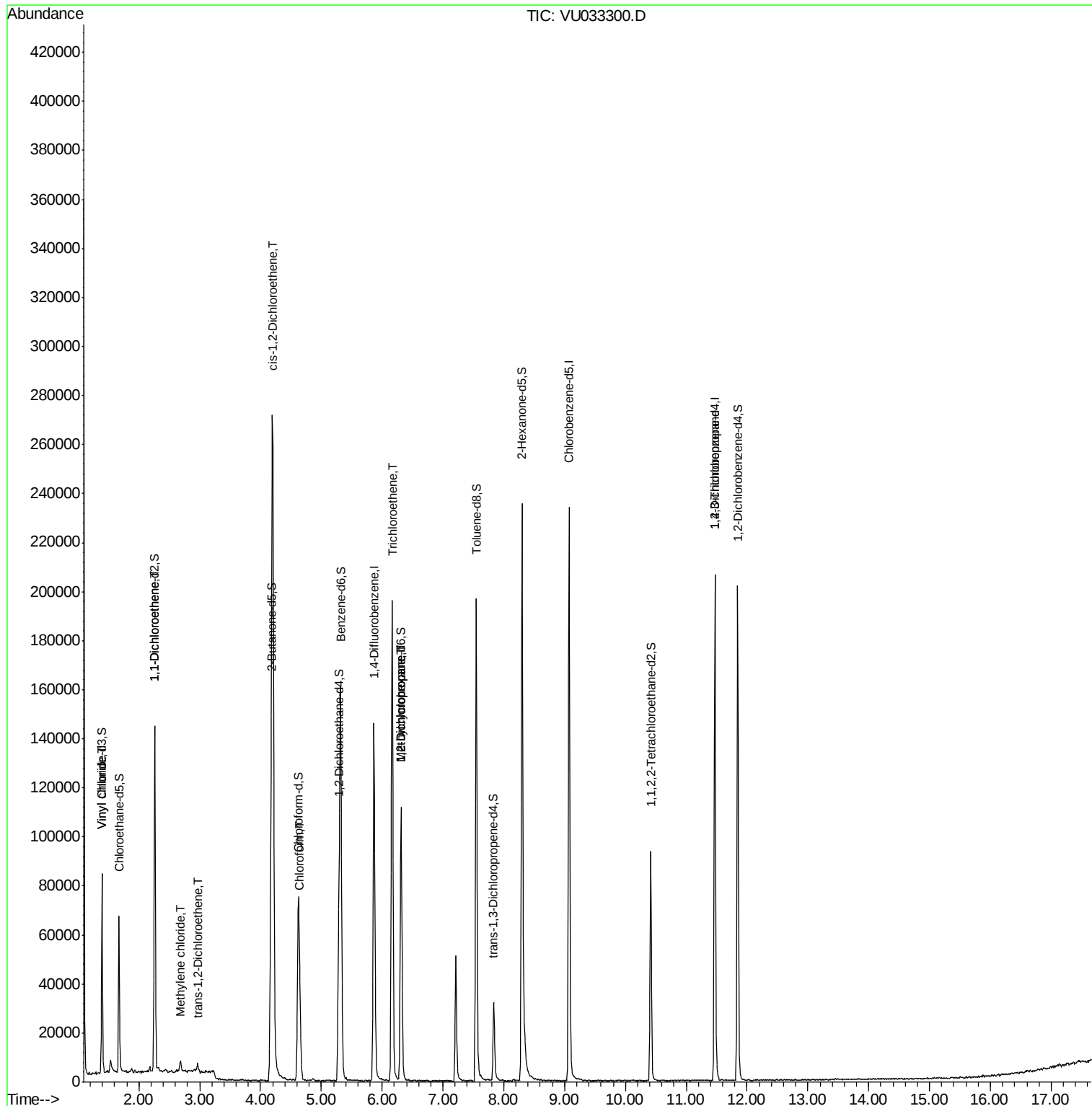
					Qvalue
5) Vinyl chloride	1.40	62	8865	0.671 ug/L	89
12) 1,1-Dichloroethene	2.27	96	1432	0.142 ug/L #	1
16) Methylene chloride	2.69	84	1799	0.146 ug/L	95
18) trans-1,2-Dichloroethene	2.96	96	846	0.076 ug/L	79
22) cis-1,2-Dichloroethene	4.20	96	136671	14.520 ug/L	94
25) Chloroform	4.65	83	17482	0.943 ug/L	92
34) Trichloroethene	6.16	95	69039	7.146 ug/L	99
35) Methylcyclohexane	6.31	83	12105	0.831 ug/L #	18
37) 1,2-Dichloropropane	6.31	63	5643	0.571 ug/L #	88
59) 1,2,3-Trichloropropane	11.47	75	6909	1.073 ug/L	94

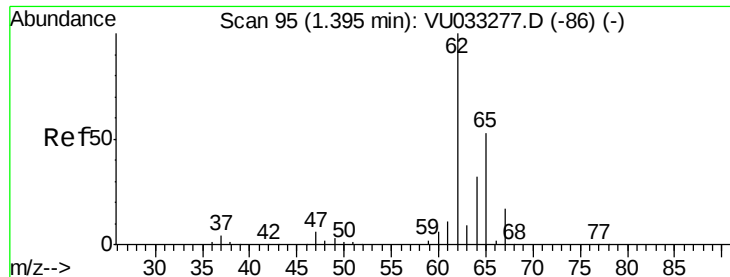
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 18 08:01:21 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.671 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033300.D

Acq: 17 Jul 2019 19:12

Instrument :

MSVOA_U

ClientSampleId :

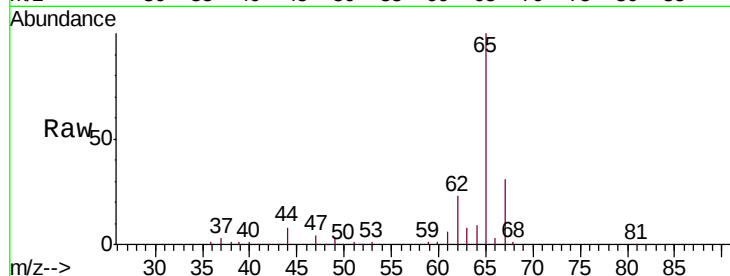
A52R1DL

Tgt Ion: 62 Resp: 8865

Ion Ratio Lower Upper

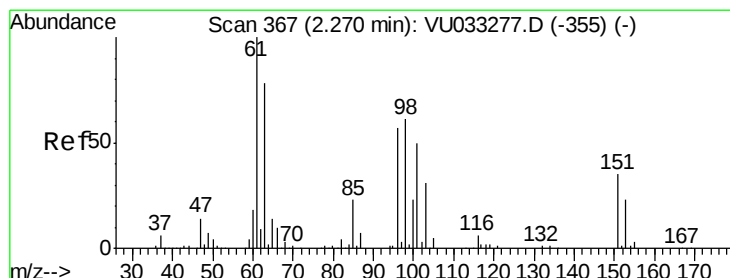
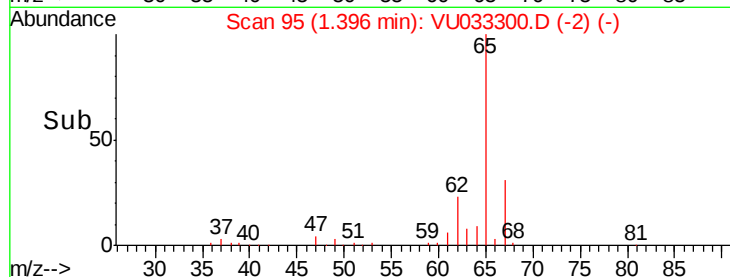
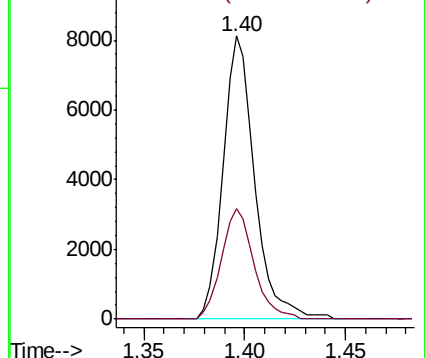
62 100

64 38.8 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#12

1,1-Dichloroethene

Concen: 0.142 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: VU033300.D

Acq: 17 Jul 2019 19:12

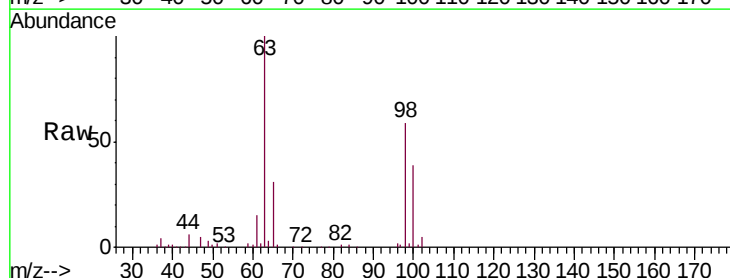
Tgt Ion: 96 Resp: 1432

Ion Ratio Lower Upper

96 100

61 689.6 129.3 240.1#

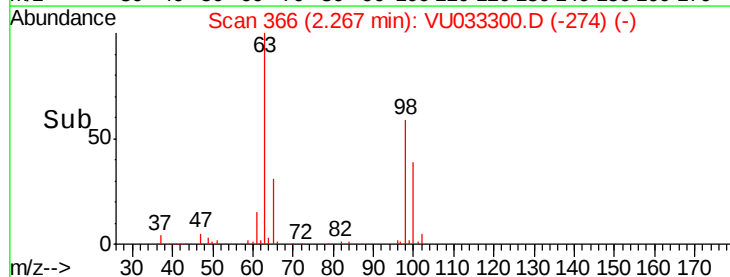
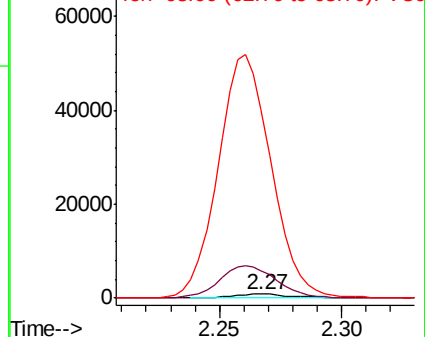
63 4720.8 108.9 202.3#

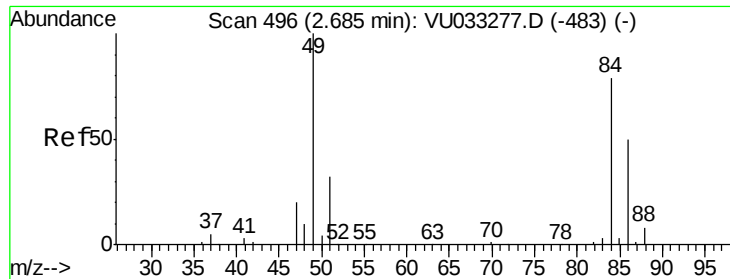


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

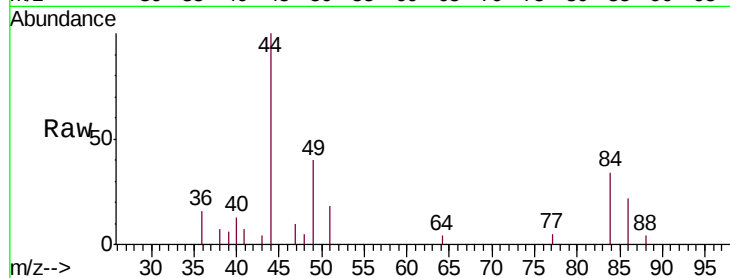




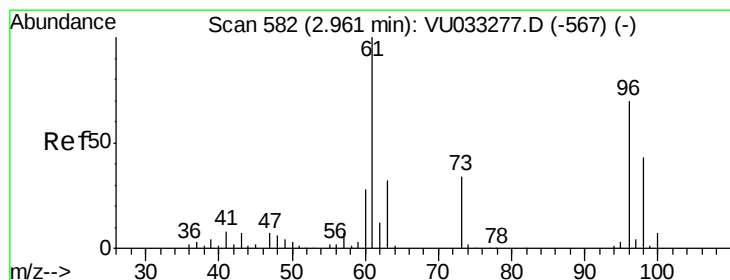
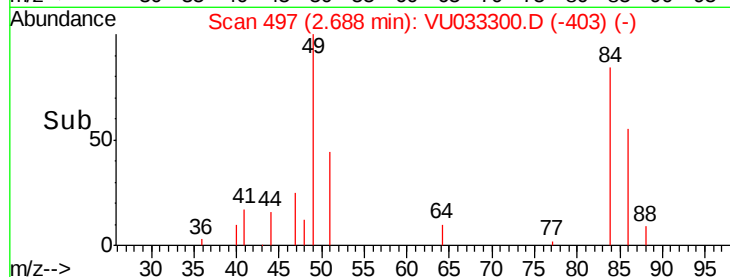
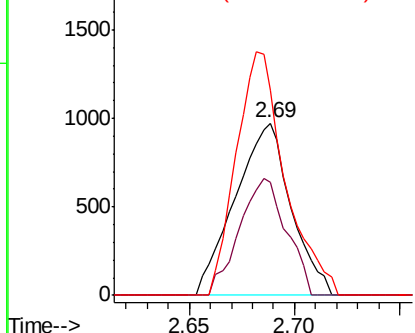
#16
Methylene chloride
Concen: 0.146 ug/L
RT: 2.69 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU033300.D
Acq: 17 Jul 2019 19:12

Instrument :
MSVOA_U
ClientSampleId :
A52R1DL

Tgt Ion: 84 Resp: 1799
Ion Ratio Lower Upper
84 100
86 65.5 42.5 78.9
49 119.1 86.9 161.3

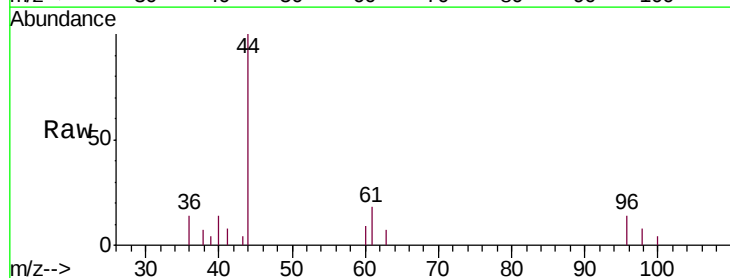


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

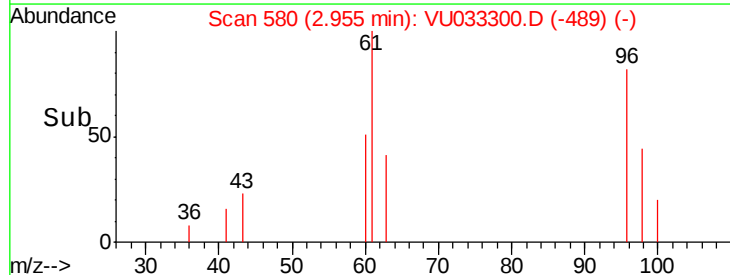
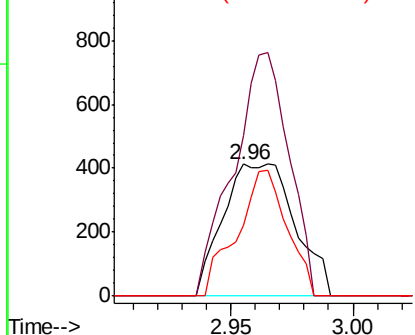


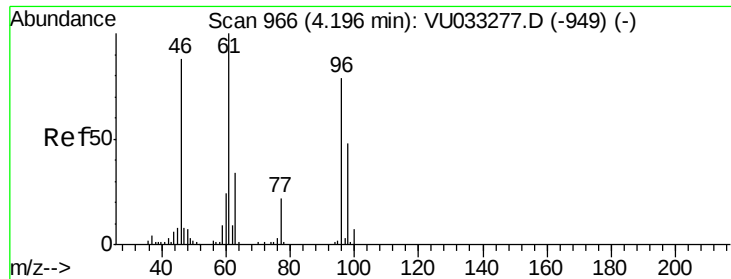
#18
trans-1,2-Dichloroethene
Concen: 0.076 ug/L
RT: 2.96 min Scan# 580
Delta R.T. -0.01 min
Lab File: VU033300.D
Acq: 17 Jul 2019 19:12

Tgt Ion: 96 Resp: 846
Ion Ratio Lower Upper
96 100
61 121.8 107.1 198.9
98 53.6 45.4 84.4



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



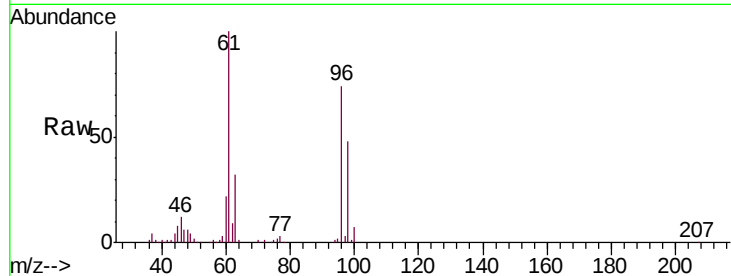


#22

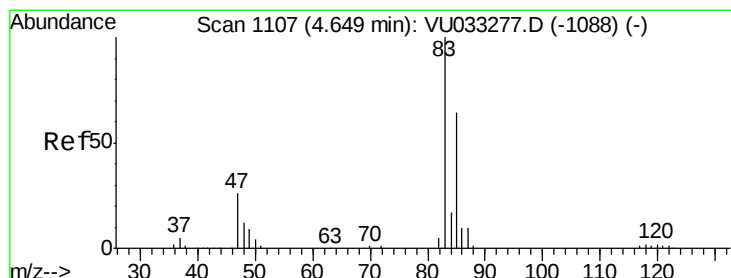
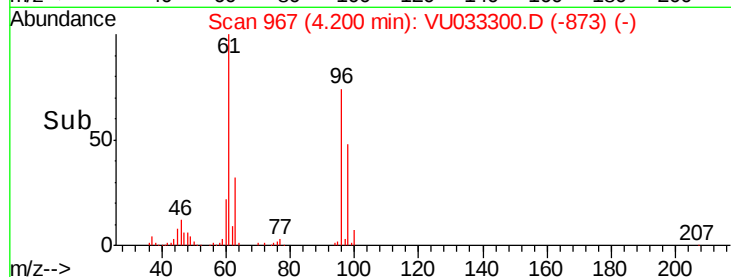
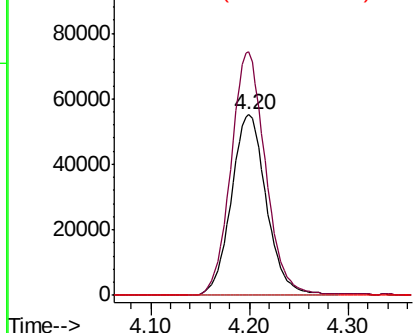
cis-1,2-Dichloroethene
 Concen: 14.520 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU033300.D
 Acq: 17 Jul 2019 19:12

Instrument :
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 A52R1DL

Tgt Ion: 96 Resp: 136671
 Ion Ratio Lower Upper
 96 100
 61 134.9 89.2 165.6
 68 0.0 0.0 0.0



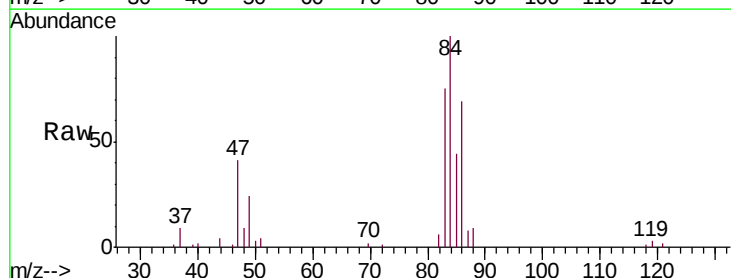
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



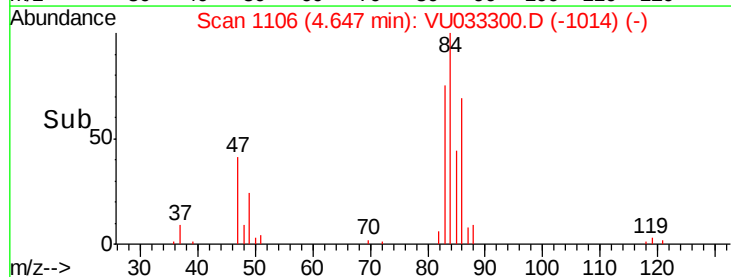
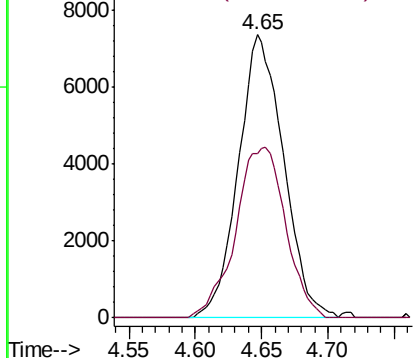
#25

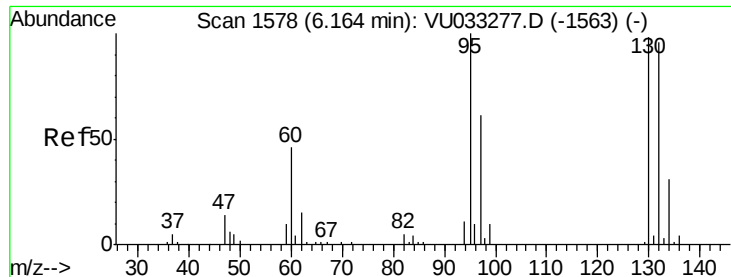
Chloroform
 Concen: 0.943 ug/L
 RT: 4.65 min Scan# 1106
 Delta R.T. -0.00 min
 Lab File: VU033300.D
 Acq: 17 Jul 2019 19:12

Tgt Ion: 83 Resp: 17482
 Ion Ratio Lower Upper
 83 100
 85 58.3 45.4 84.4



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

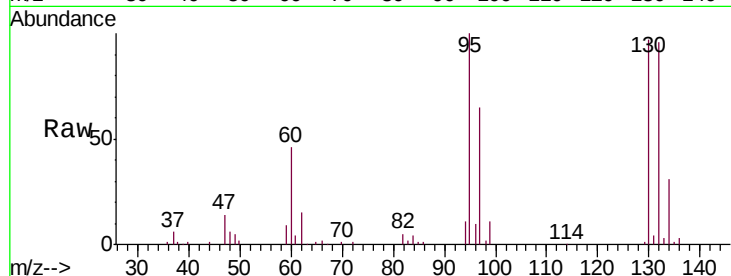




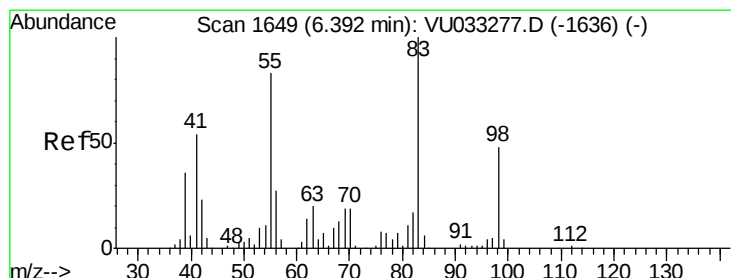
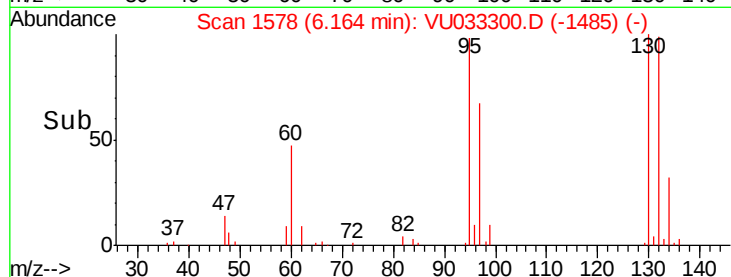
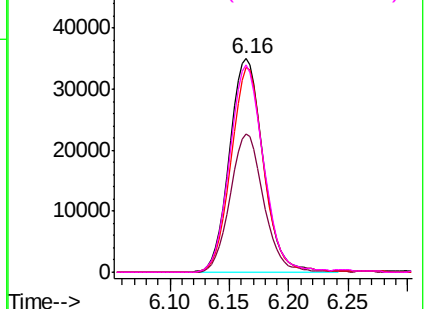
#34
 Trichloroethene
 Concen: 7.146 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VU033300.D
 Acq: 17 Jul 2019 19:12

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Tgt Ion: 95 Resp: 69039
 Ion Ratio Lower Upper
 95 100
 97 64.9 44.5 82.7
 132 96.0 66.6 123.8
 130 96.9 68.9 127.9

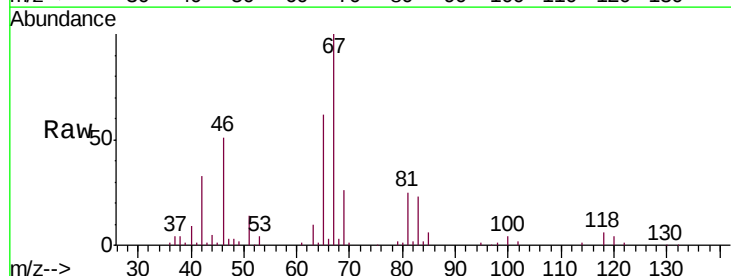


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

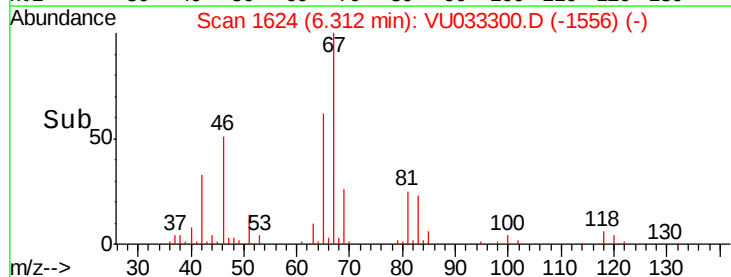
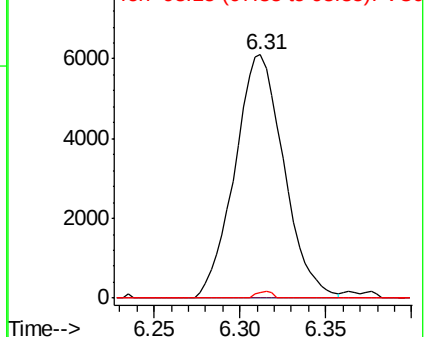


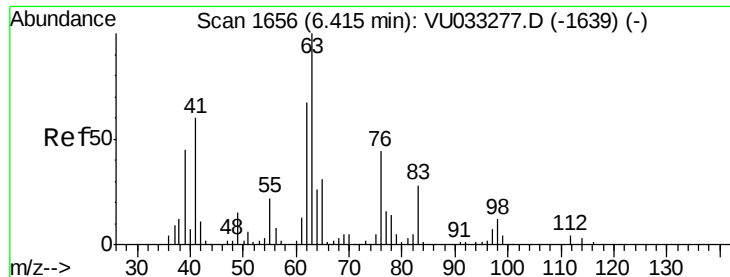
#35
 Methylcyclohexane
 Concen: 0.831 ug/L
 RT: 6.31 min Scan# 1624
 Delta R.T. -0.08 min
 Lab File: VU033300.D
 Acq: 17 Jul 2019 19:12

Tgt Ion: 83 Resp: 12105
 Ion Ratio Lower Upper
 83 100
 55 0.0 62.6 94.0#
 98 0.9 36.2 54.2#



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: 0.571 ug/L

RT: 6.31 min Scan# 1624

Delta R.T. -0.10 min

Lab File: VU033300.D

Acq: 17 Jul 2019 19:12

Instrument :

MSVOA_U

ClientSampleId :

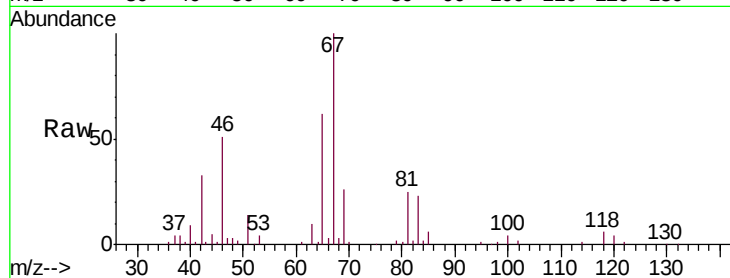
A52R1DL

Tgt Ion: 63 Resp: 5643

Ion Ratio Lower Upper

63 100

112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU033300.D (-1563) (-)

Ion 112.10 (111.80 to 112.80): VU033300.D (-1563) (-)

6.31

2500

2000

1500

1000

500

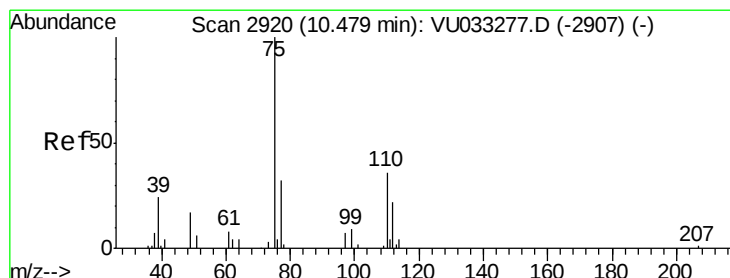
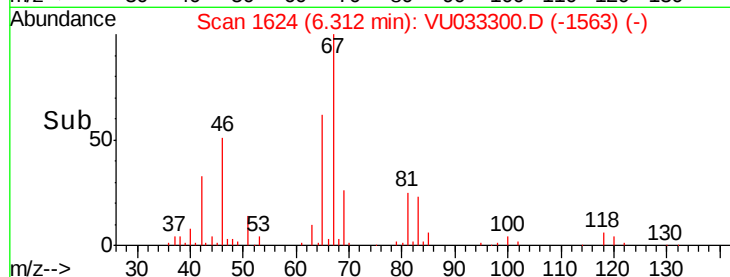
0

6.25

6.30

6.35

Time-->



#59

1,2,3-Trichloropropane

Concen: 1.073 ug/L

RT: 11.47 min Scan# 3228

Delta R.T. 0.99 min

Lab File: VU033300.D

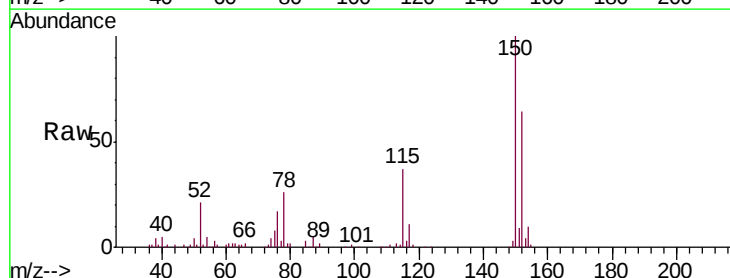
Acq: 17 Jul 2019 19:12

Tgt Ion: 75 Resp: 6909

Ion Ratio Lower Upper

75 100

77 36.6 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VU033300.D (-2298) (-)

Ion 77.00 (76.70 to 77.70): VU033300.D (-2298) (-)

11.47

4000

3000

2000

1000

0

11.40

11.45

11.50

Time-->

