

Data File : VU033299.D
Acq On : 17 Jul 2019 18:48
Operator : JC/SP
Sample : K3772-04DL 100X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
A52M4DL

Quant Time: Jul 18 08:07:13 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	5.86	114	121970	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	127497	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	53924	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	48236	3.93	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.60%
7) Chloroethane-d5	1.67	69	44576	4.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.00%
11) 1,1-Dichloroethene-d2	2.26	63	79437	3.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.80%
20) 2-Butanone-d5	4.16	46	107073	46.26	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.52%
24) Chloroform-d	4.62	84	79960	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
26) 1,2-Dichloroethane-d4	5.29	65	47644	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
32) Benzene-d6	5.32	84	160418	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
36) 1,2-Dichloropropane-d6	6.31	67	53452	4.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.60%
41) Toluene-d8	7.55	98	136999	4.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.40%
43) trans-1,3-Dichloropropene-	7.84	79	19334	4.27	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.40%
46) 2-Hexanone-d5	8.30	63	82043	44.12	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.24%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	44606	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.00%
64) 1,2-Dichlorobenzene-d4	11.85	152	53993	5.14	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.80%

Target Compounds

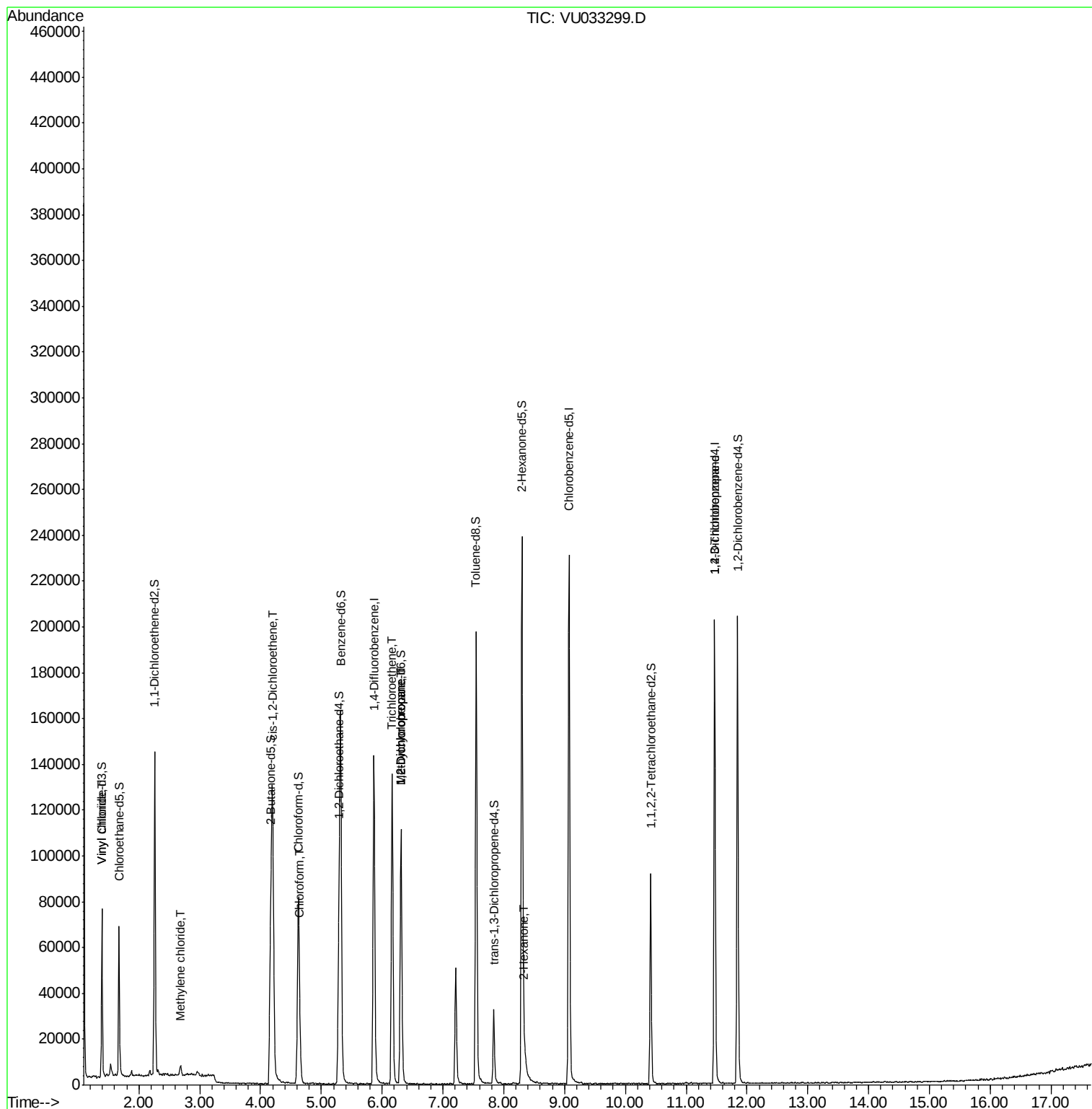
					Qvalue
5) Vinyl chloride	1.40	62	1512	0.115 ug/L #	49
16) Methylene chloride	2.68	84	1659	0.136 ug/L	90
22) cis-1,2-Dichloroethene	4.20	96	62391	6.669 ug/L	98
25) Chloroform	4.65	83	10336	0.561 ug/L	96
34) Trichloroethene	6.16	95	47010	4.920 ug/L	98
35) Methylcyclohexane	6.31	83	12431	0.864 ug/L #	18
37) 1,2-Dichloropropane	6.31	63	6255	0.641 ug/L #	89
48) 2-Hexanone	8.34	43	4033	0.986 ug/L #	71
59) 1,2,3-Trichloropropane	11.47	75	6578	1.033 ug/L	95

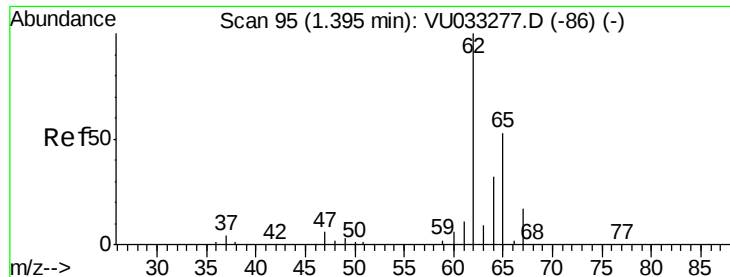
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.115 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

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Instrument :

MSVOA_U

ClientSampleId :

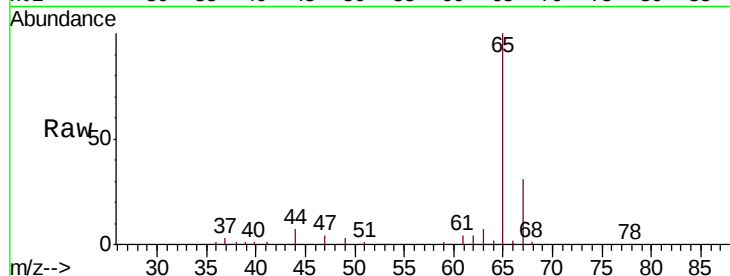
A52M4DL

Tgt Ion: 62 Resp: 1512

Ion Ratio Lower Upper

62 100

64 61.4 22.8 42.4#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.40

1500

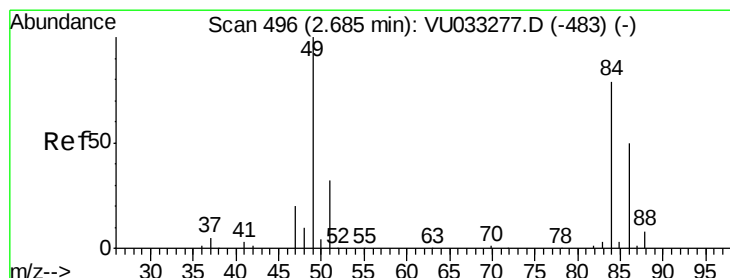
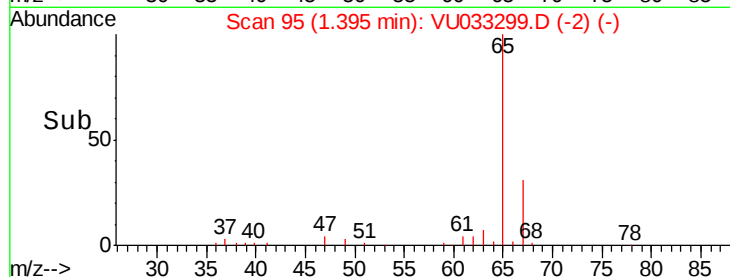
1000

500

0

1.36 1.38 1.40 1.42

Time-->



#16

Methylene chloride

Concen: 0.136 ug/L

RT: 2.68 min Scan# 496

Delta R.T. -0.00 min

Lab File: VU033299.D

Acq: 17 Jul 2019 18:48

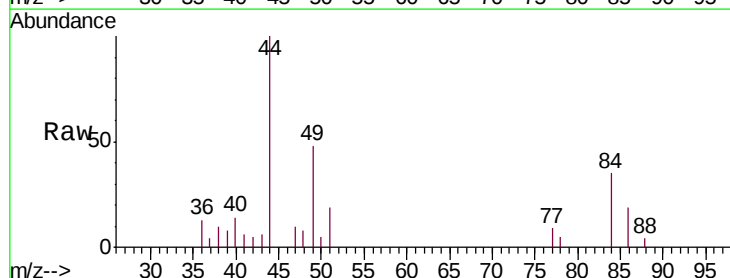
Tgt Ion: 84 Resp: 1659

Ion Ratio Lower Upper

84 100

86 55.2 42.5 78.9

49 136.2 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

1500

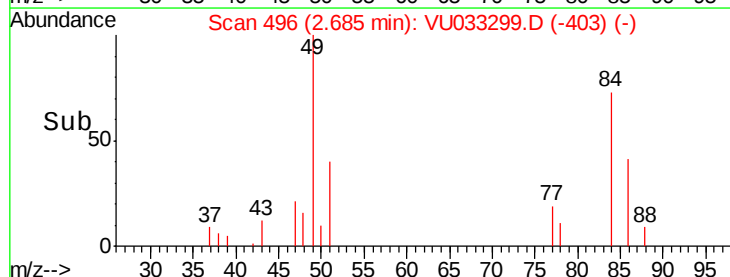
1000

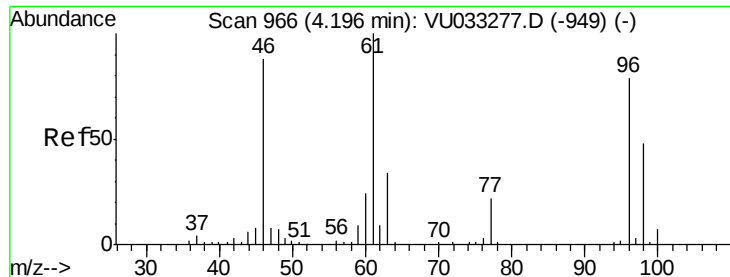
500

0

2.65 2.68 2.70

Time-->



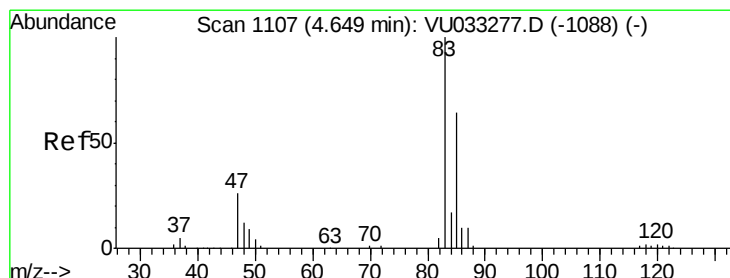
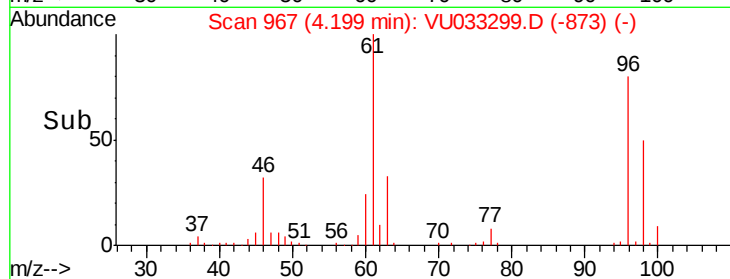
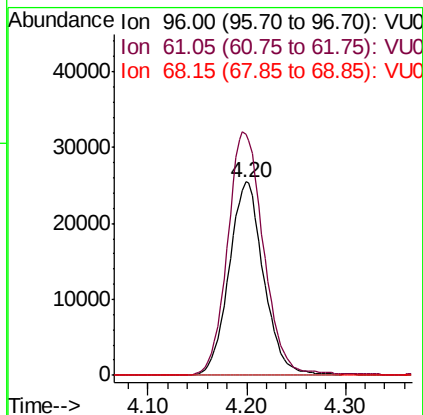
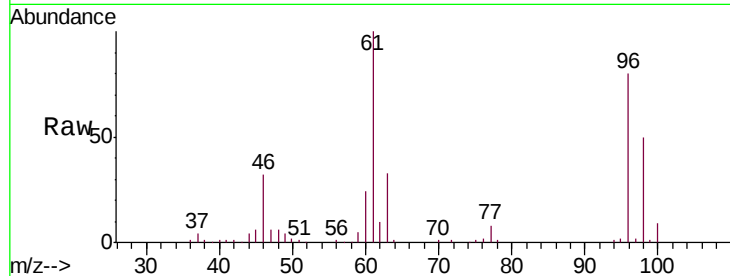


#22

cis-1,2-Dichloroethene
 Concen: 6.669 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU033299.D
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Instrument :
 MSVOA_U
 ClientSampleId :
 A52M4DL

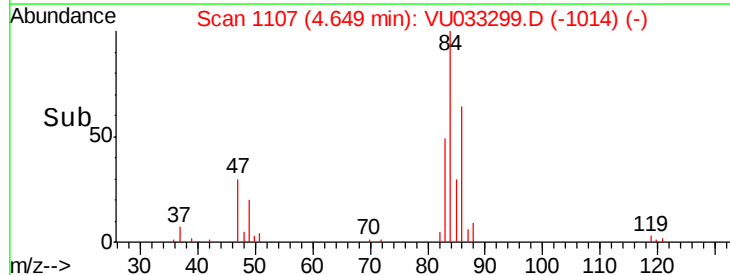
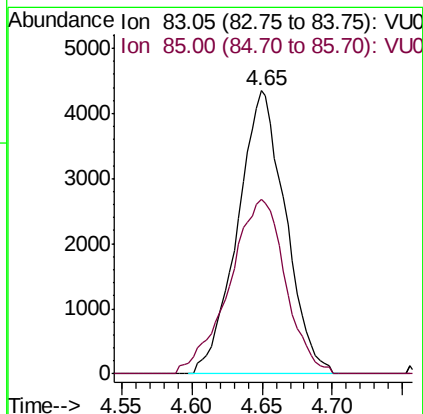
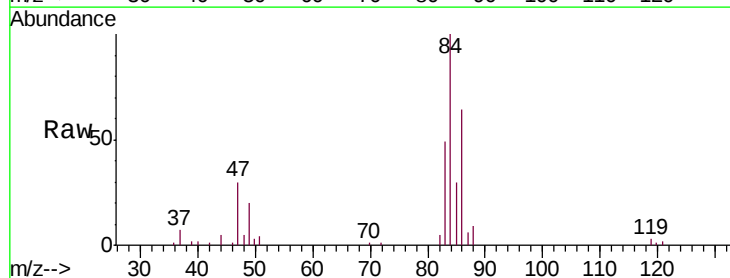
Tgt Ion: 96 Resp: 62391
 Ion Ratio Lower Upper
 96 100
 61 124.8 89.2 165.6
 68 0.0 0.0 0.0

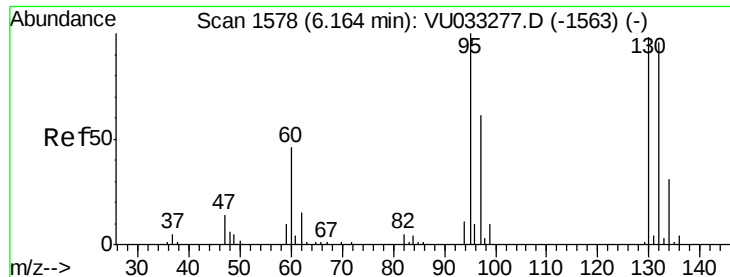


#25

Chloroform
 Concen: 0.561 ug/L
 RT: 4.65 min Scan# 1107
 Delta R.T. -0.00 min
 Lab File: VU033299.D
 Acq: 17 Jul 2019 18:48

Tgt Ion: 83 Resp: 10336
 Ion Ratio Lower Upper
 83 100
 85 61.6 45.4 84.4





#34

Trichloroethene

Concen: 4.920 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033299.D

Acq: 17 Jul 2019 18:48

Instrument :

MSVOA_U

ClientSampleId :

A52M4DL

Tgt Ion: 95 Resp: 47010

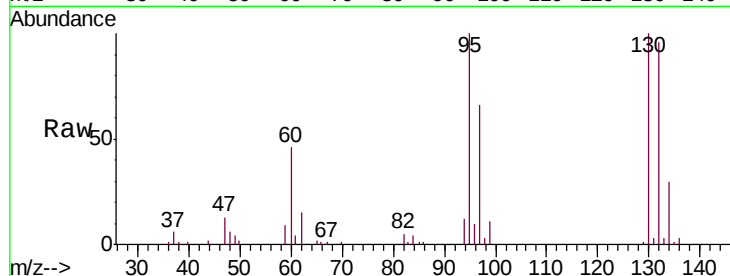
Ion Ratio Lower Upper

95 100

97 66.4 44.5 82.7

132 96.1 66.6 123.8

130 100.3 68.9 127.9

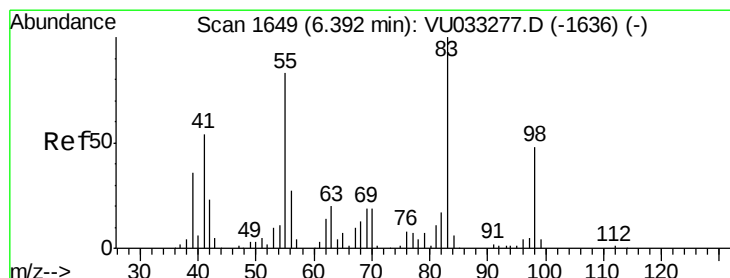
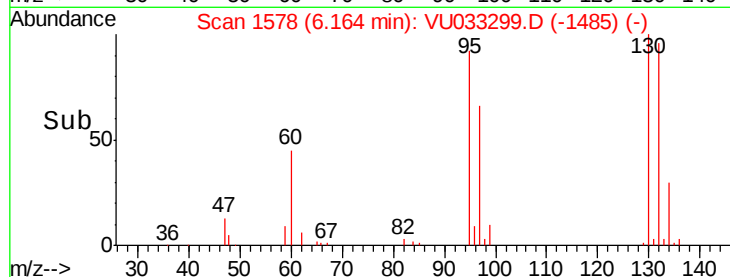
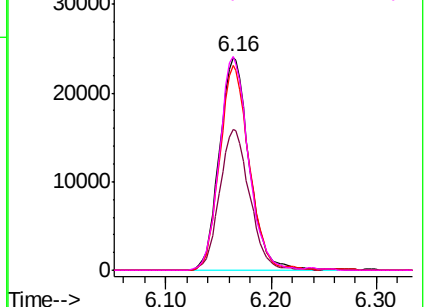


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.864 ug/L

RT: 6.31 min Scan# 1624

Delta R.T. -0.08 min

Lab File: VU033299.D

Acq: 17 Jul 2019 18:48

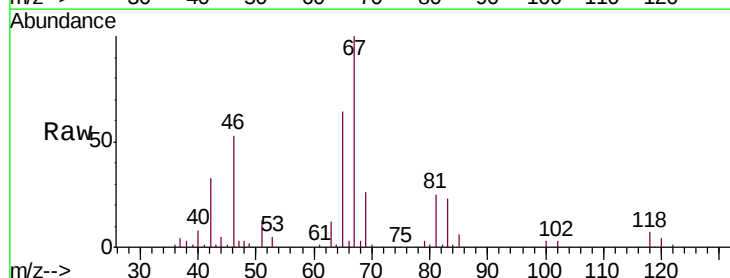
Tgt Ion: 83 Resp: 12431

Ion Ratio Lower Upper

83 100

55 0.0 62.6 94.0#

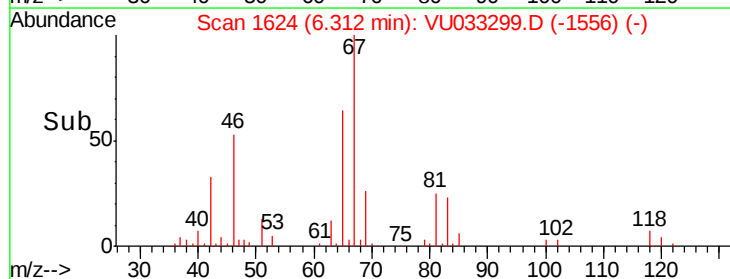
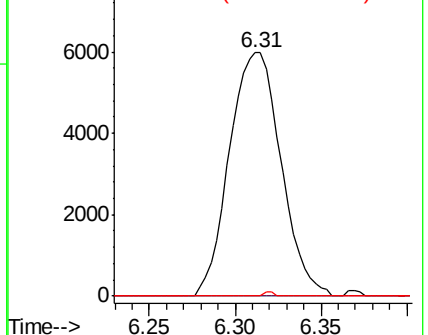
98 0.4 36.2 54.2#

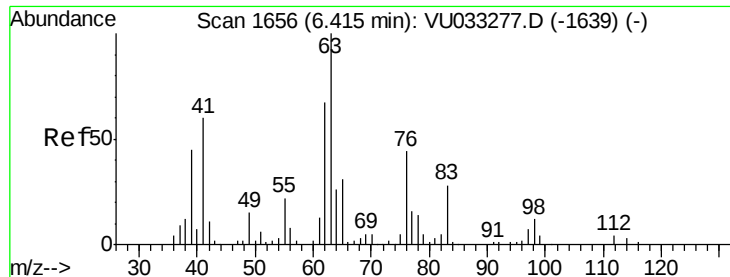


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

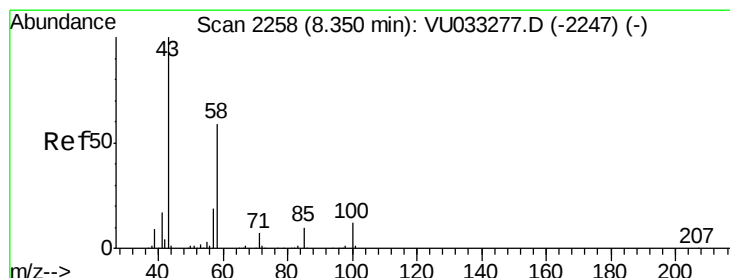
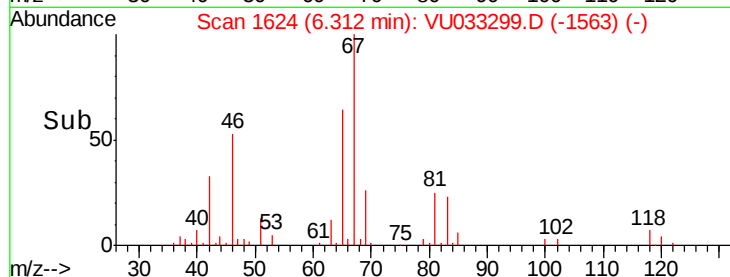
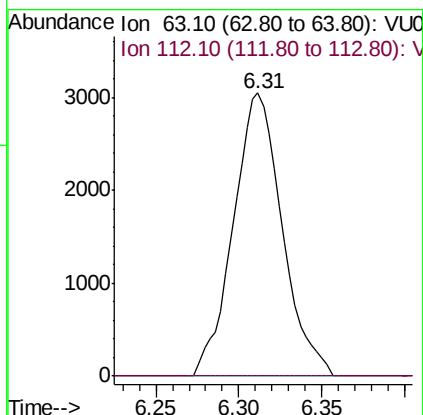
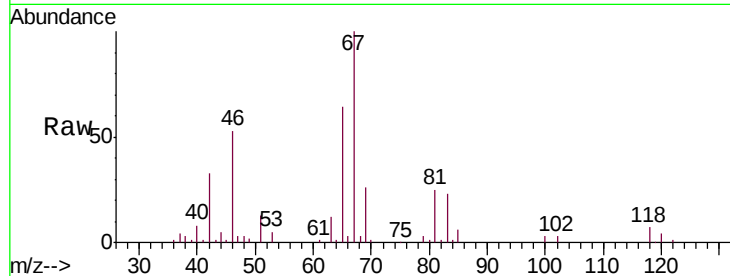




#37
 1,2-Dichloropropane
 Concen: 0.641 ug/L
 RT: 6.31 min Scan# 1624
 Delta R.T. -0.10 min
 Lab File: VU033299.D
 Acq: 17 Jul 2019 18:48

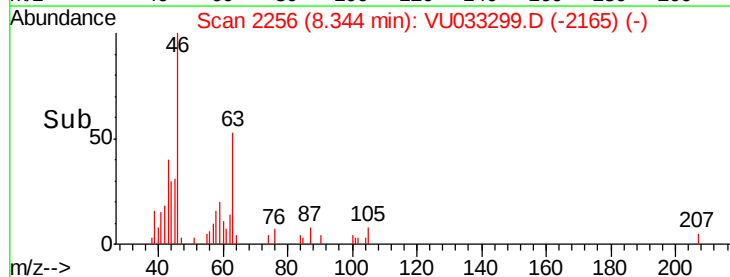
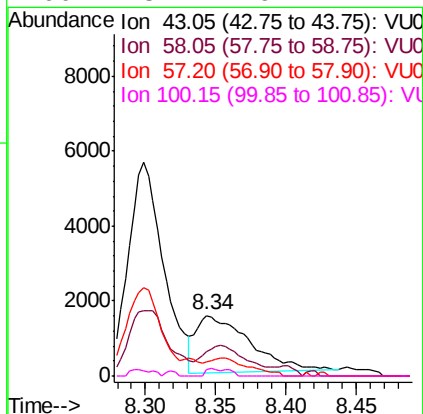
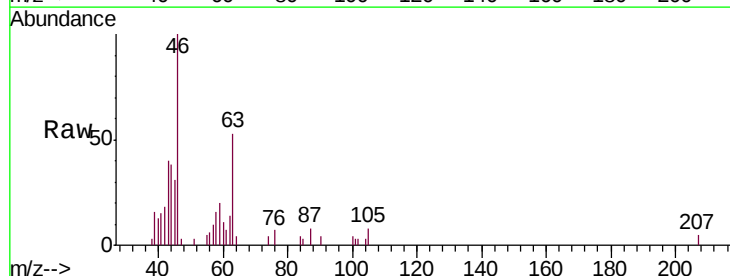
Instrument :
 MSVOA_U
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 A52M4DL

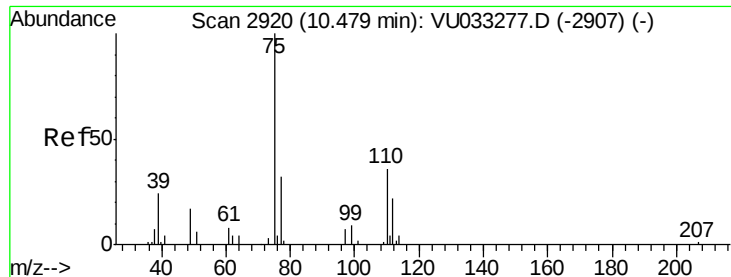
Tgt Ion: 63 Resp: 6255
 Ion Ratio Lower Upper
 63 100
 112 0.3 3.1 4.7#



#48
 2-Hexanone
 Concen: 0.986 ug/L
 RT: 8.34 min Scan# 2256
 Delta R.T. -0.01 min
 Lab File: VU033299.D
 Acq: 17 Jul 2019 18:48

Tgt Ion: 43 Resp: 4033
 Ion Ratio Lower Upper
 43 100
 58 28.1 44.1 66.1#
 57 23.5 15.8 23.8
 100 3.2 9.4 14.2#





#59

1,2,3-Trichloropropane

Concen: 1.033 ug/L

RT: 11.47 min Scan# 3228

Delta R.T. 0.99 min

Lab File: VU033299.D

Acq: 17 Jul 2019 18:48

Instrument :

MSVOA_U

ClientSampleId :

A52M4DL

Tgt Ion: 75 Resp: 6578

Ion Ratio Lower Upper

75 100

77 36.0 26.5 39.7

