

Data File : VU033270.D
Acq On : 16 Jul 2019 18:13
Operator : JC/SP
Sample : K3772-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
A52N2

Quant Time: Jul 17 04:49:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR071619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 17 04:42:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	134701	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	141921	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	60921	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	54411	4.01	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.20%
7) Chloroethane-d5	1.67	69	47958	4.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.80%
11) 1,1-Dichloroethene-d2	2.26	63	87524	3.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.80%
20) 2-Butanone-d5	4.16	46	106587	41.70	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.40%
24) Chloroform-d	4.62	84	87928	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
26) 1,2-Dichloroethane-d4	5.29	65	50770	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
32) Benzene-d6	5.31	84	174554	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.40%
36) 1,2-Dichloropropane-d6	6.31	67	57950	4.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.20%
41) Toluene-d8	7.55	98	155963	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.40%
43) trans-1,3-Dichloropropene-	7.83	79	23017	4.57	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.40%
46) 2-Hexanone-d5	8.30	63	96030	46.39	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.78%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	49807	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.40%
64) 1,2-Dichlorobenzene-d4	11.85	152	61573	5.19	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.80%

Target Compounds

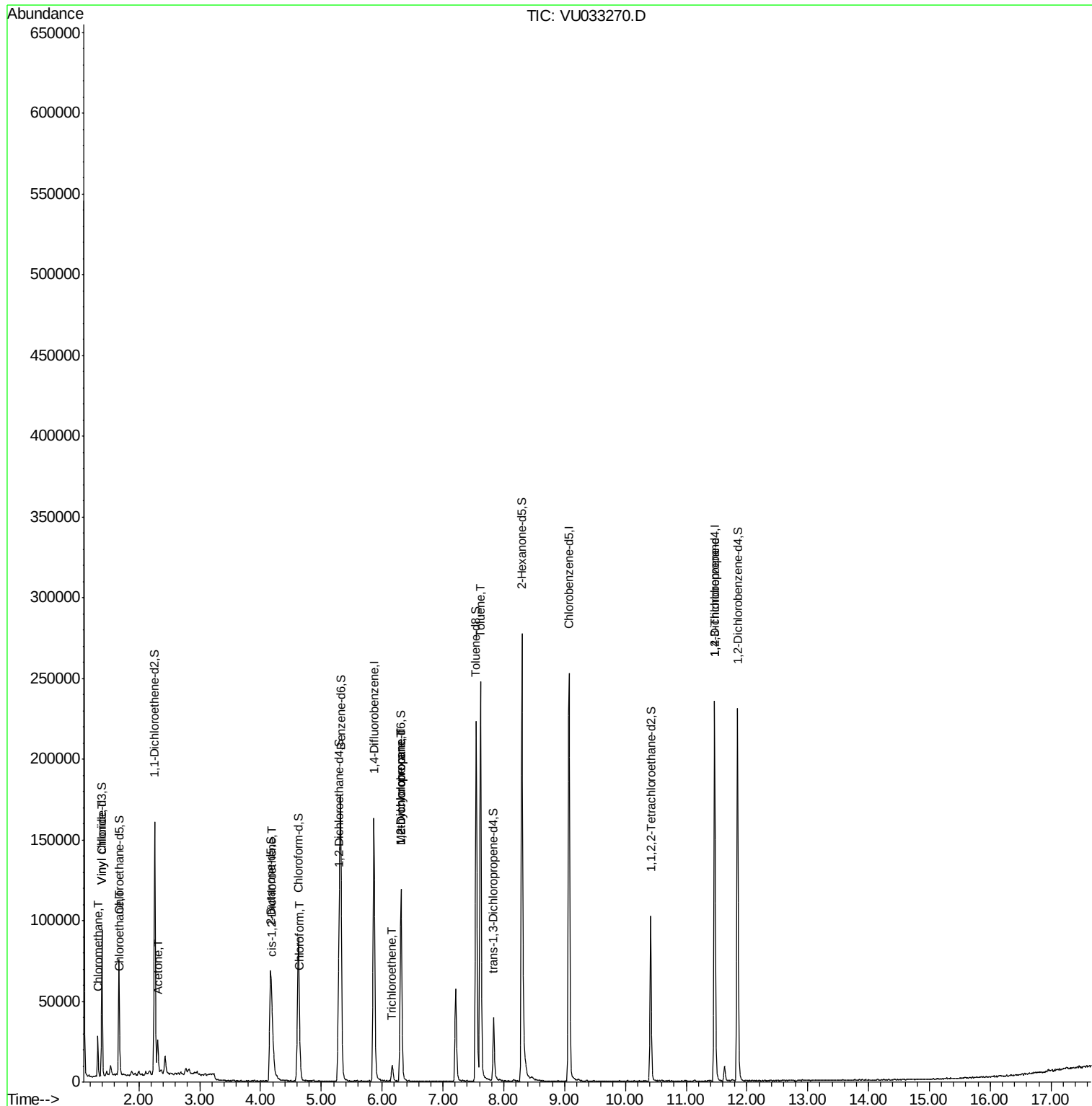
					Qvalue
3) Chloromethane	1.32	50	15328	1.135 ug/L	100
5) Vinyl chloride	1.40	62	5715	0.394 ug/L	84
8) Chloroethane	1.69	64	1138	0.123 ug/L	91
13) Acetone	2.31	43	20304	9.072 ug/L	98
22) cis-1,2-Dichloroethene	4.20	96	6686	0.647 ug/L	94
25) Chloroform	4.65	83	4225	0.208 ug/L	97
34) Trichloroethene	6.17	95	3553	0.334 ug/L	92
35) Methylcyclohexane	6.31	83	13734	0.857 ug/L #	18
37) 1,2-Dichloropropane	6.31	63	6105	0.562 ug/L #	90
42) Toluene	7.62	91	181203	4.200 ug/L	100
59) 1,2,3-Trichloropropane	11.47	75	7755	1.094 ug/L #	88

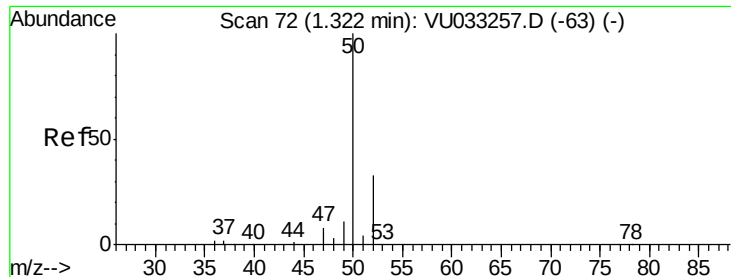
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 1.135 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU033270.D

Acq: 16 Jul 2019 18:13

Instrument :

MSVOA_U

ClientSampleId :

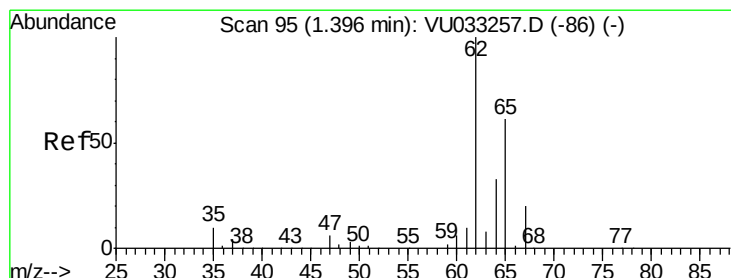
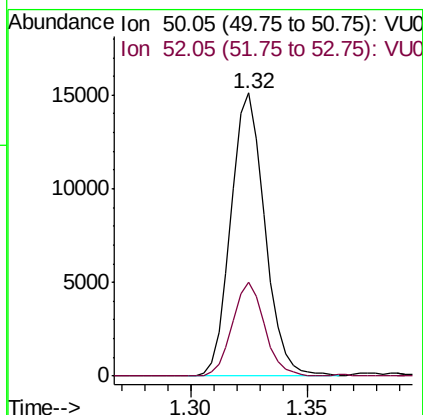
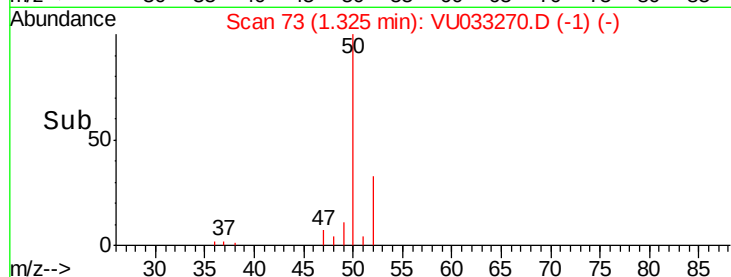
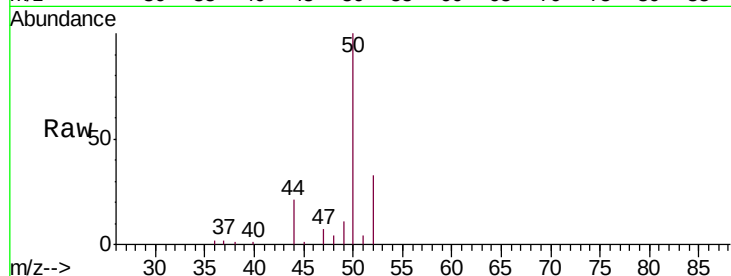
A52N2

Tgt Ion: 50 Resp: 15328

Ion Ratio Lower Upper

50 100

52 33.0 23.3 43.3



#5

Vinyl chloride

Concen: 0.394 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU033270.D

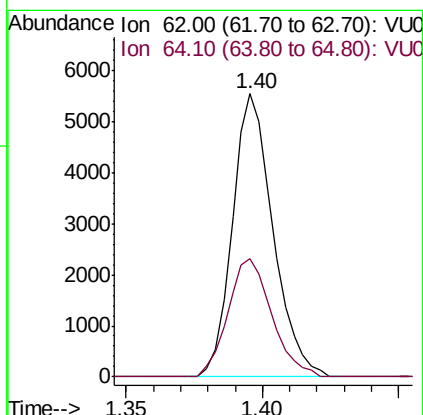
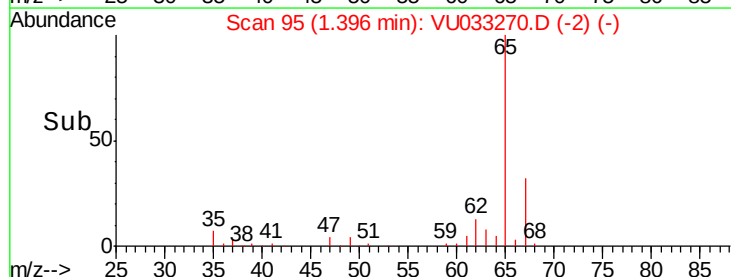
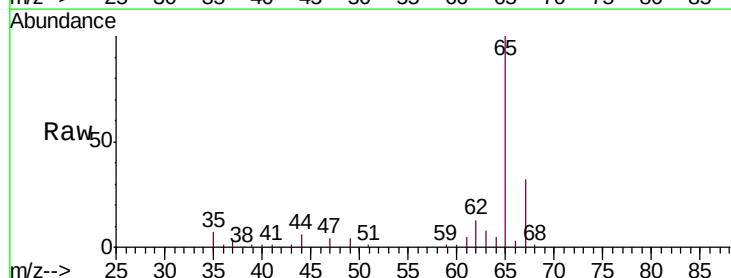
Acq: 16 Jul 2019 18:13

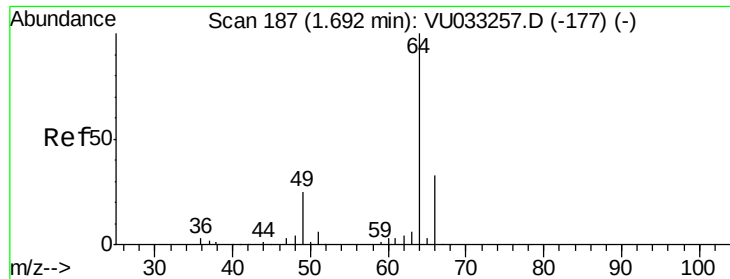
Tgt Ion: 62 Resp: 5715

Ion Ratio Lower Upper

62 100

64 41.9 22.8 42.4





#8

Chloroethane

Concen: 0.123 ug/L

RT: 1.69 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU033270.D

Acq: 16 Jul 2019 18:13

Instrument :

MSVOA_U

ClientSampleId :

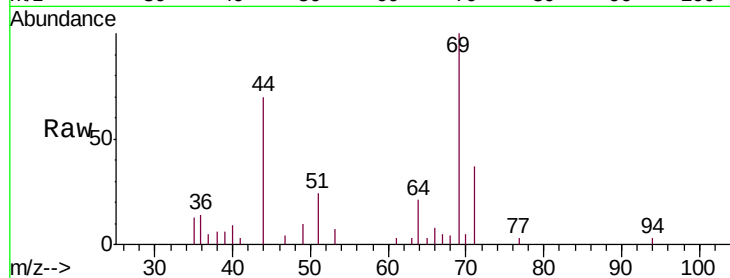
A52N2

Tgt Ion: 64 Resp: 1138

Ion Ratio Lower Upper

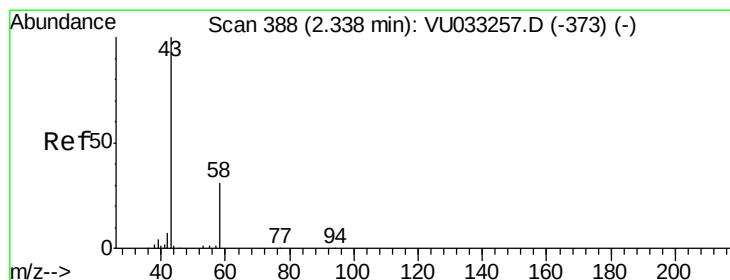
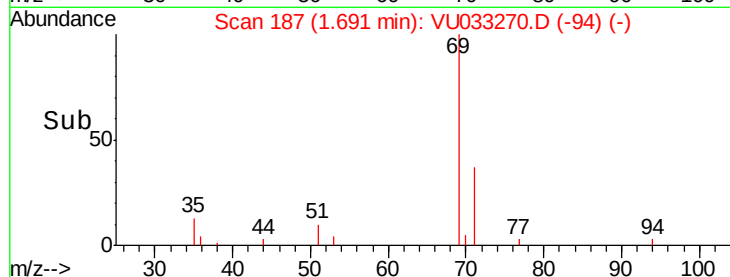
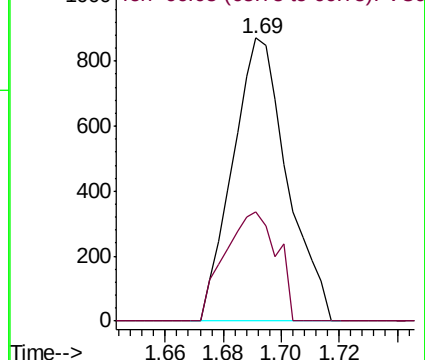
64 100

66 38.6 23.2 43.2



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#13

Acetone

Concen: 9.072 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.03 min

Lab File: VU033270.D

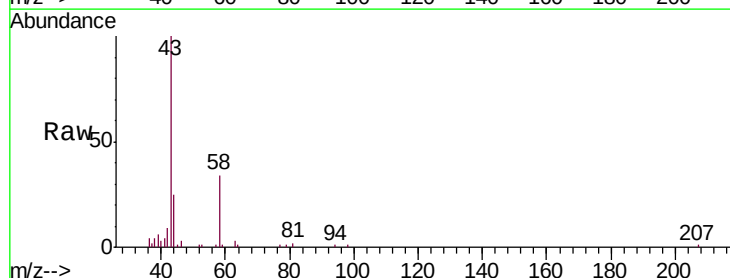
Acq: 16 Jul 2019 18:13

Tgt Ion: 43 Resp: 20304

Ion Ratio Lower Upper

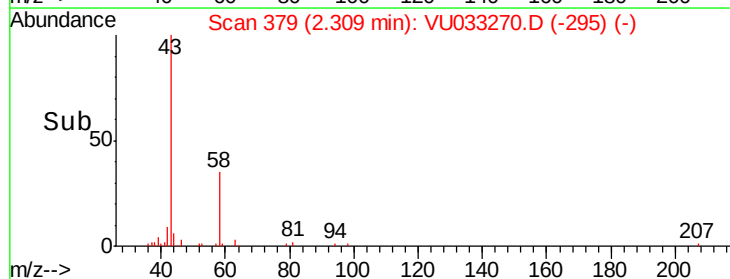
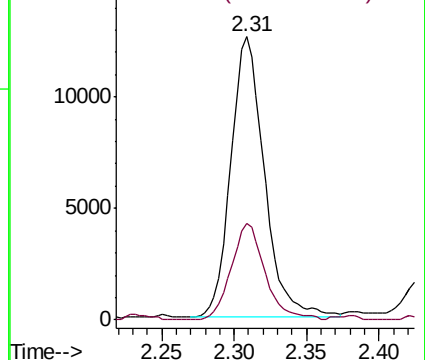
43 100

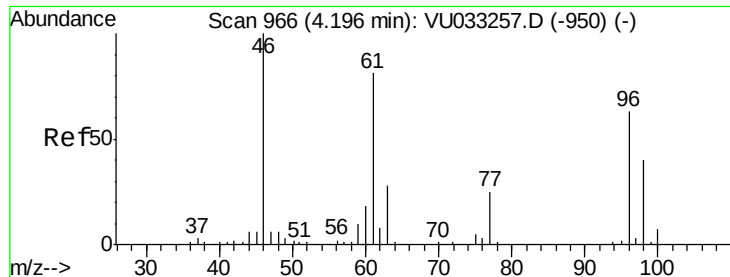
58 34.3 0.0 66.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



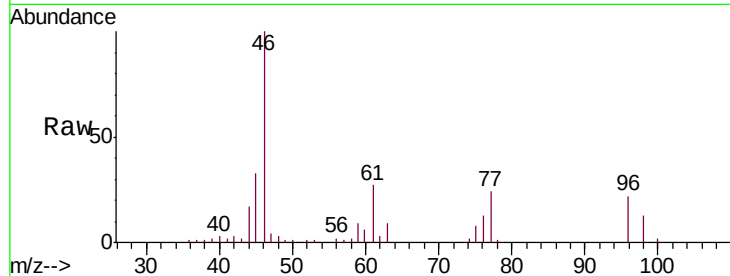


#22

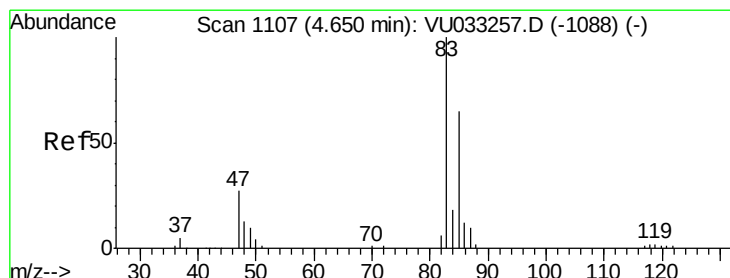
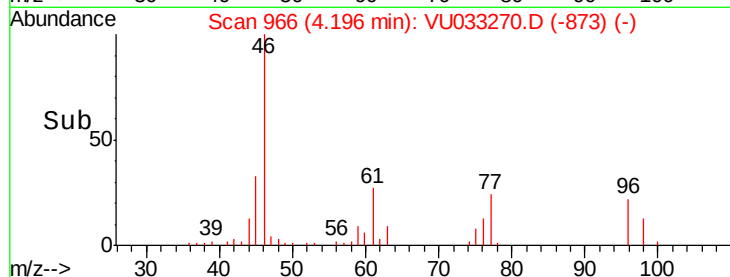
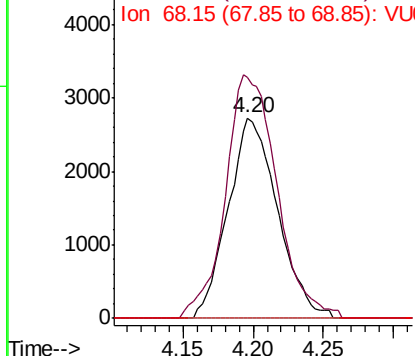
cis-1,2-Dichloroethene
 Concen: 0.647 ug/L
 RT: 4.20 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VU033270.D
 Acq: 16 Jul 2019 18:13

Instrument :
 MSVOA_U
 ClientSampleId :
 A52N2

Tgt Ion: 96 Resp: 6686
 Ion Ratio Lower Upper
 96 100
 61 120.5 89.2 165.6
 68 0.0 0.0 0.0



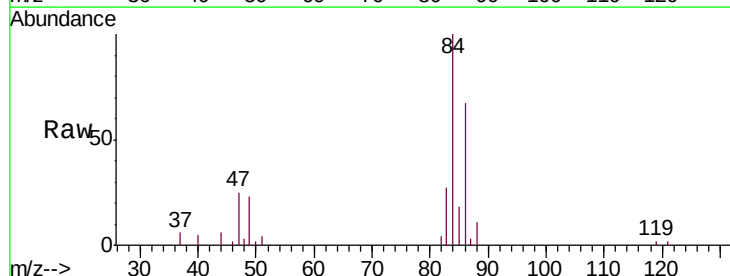
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



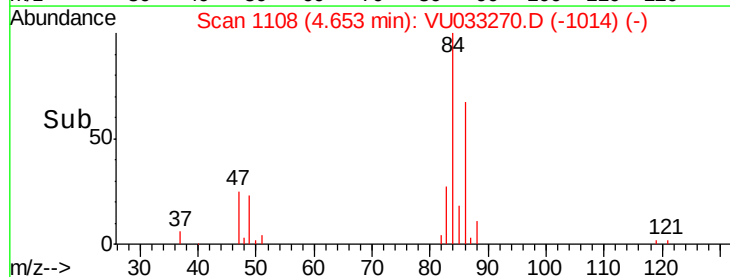
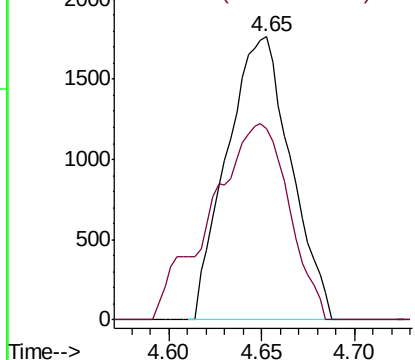
#25

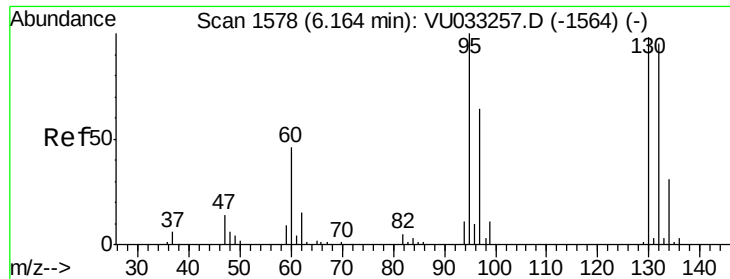
Chloroform
 Concen: 0.208 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VU033270.D
 Acq: 16 Jul 2019 18:13

Tgt Ion: 83 Resp: 4225
 Ion Ratio Lower Upper
 83 100
 85 67.4 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: 0.334 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU033270.D

Acq: 16 Jul 2019 18:13

Instrument :

MSVOA_U

ClientSampleId :

A52N2

Tgt Ion: 95 Resp: 3553

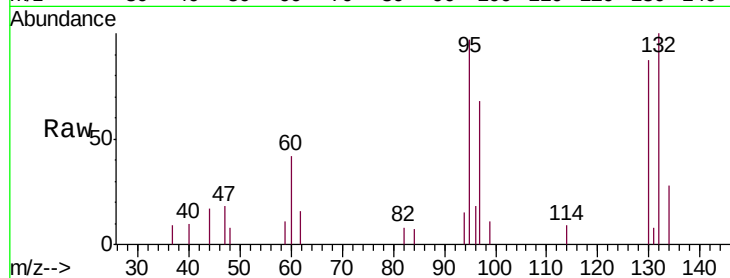
Ion Ratio Lower Upper

95 100

97 70.3 44.5 82.7

132 103.4 66.6 123.8

130 90.3 68.9 127.9

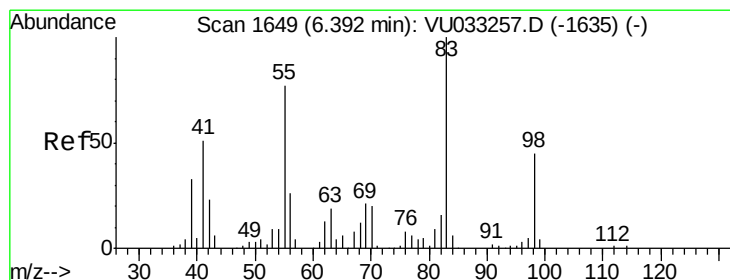
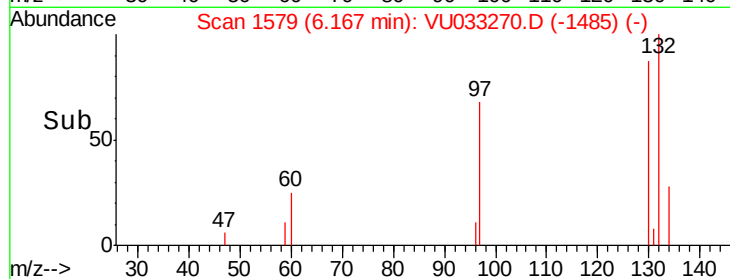
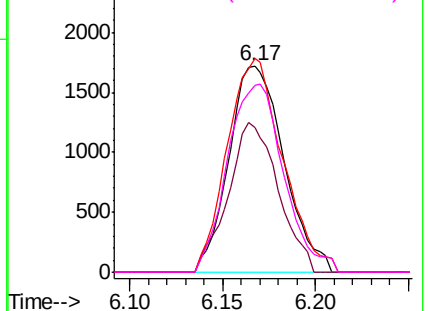


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.857 ug/L

RT: 6.31 min Scan# 1624

Delta R.T. -0.08 min

Lab File: VU033270.D

Acq: 16 Jul 2019 18:13

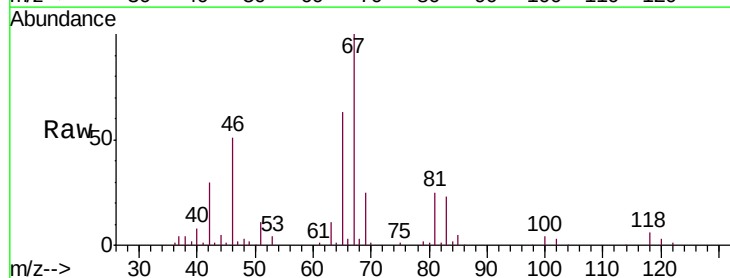
Tgt Ion: 83 Resp: 13734

Ion Ratio Lower Upper

83 100

55 0.0 62.6 94.0#

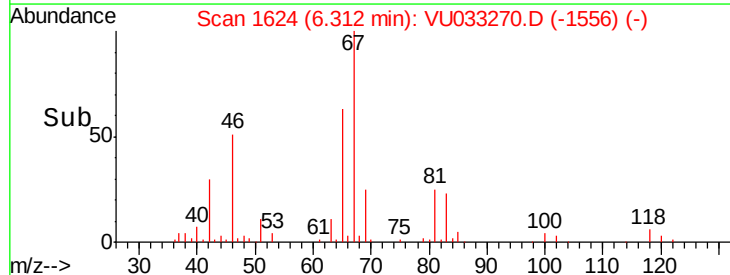
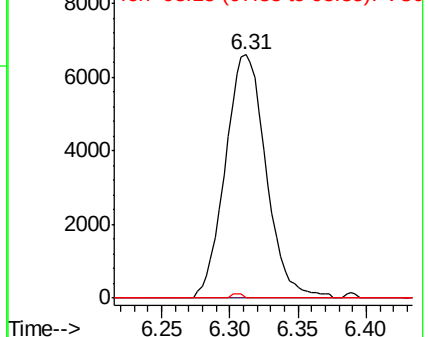
98 0.5 36.2 54.2#

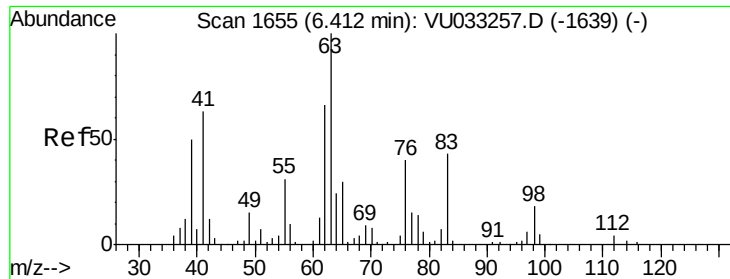


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

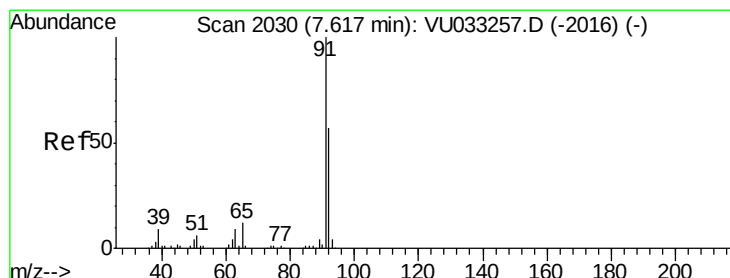
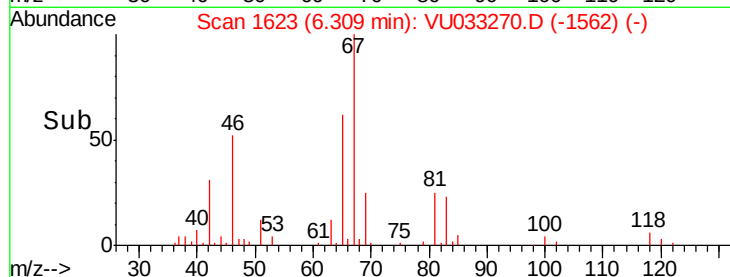
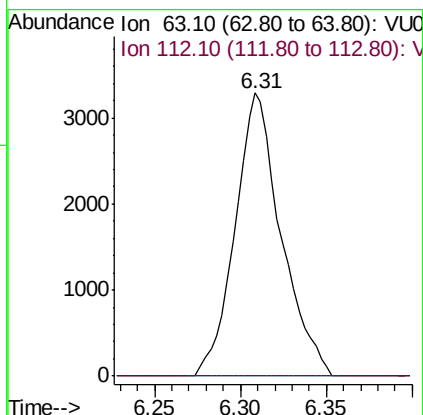
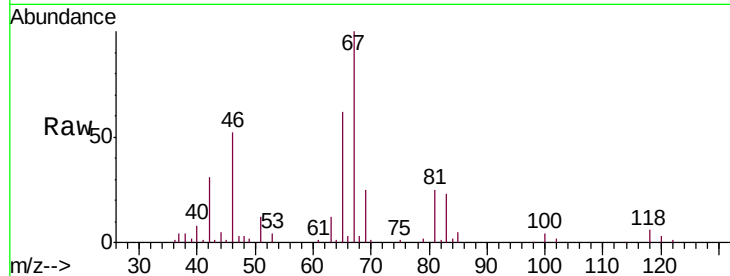




#37
 1,2-Dichloropropane
 Concen: 0.562 ug/L
 RT: 6.31 min Scan# 1623
 Delta R.T. -0.10 min
 Lab File: VU033270.D
 Acq: 16 Jul 2019 18:13

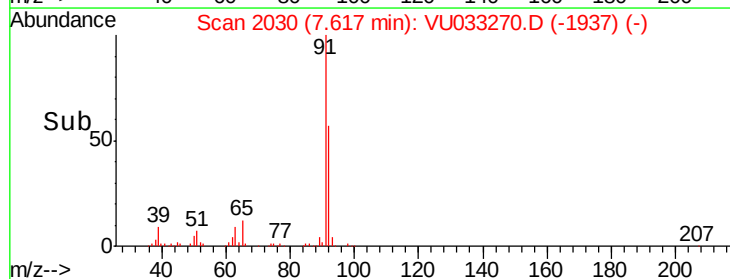
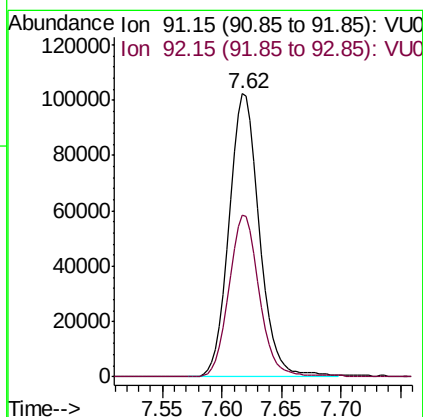
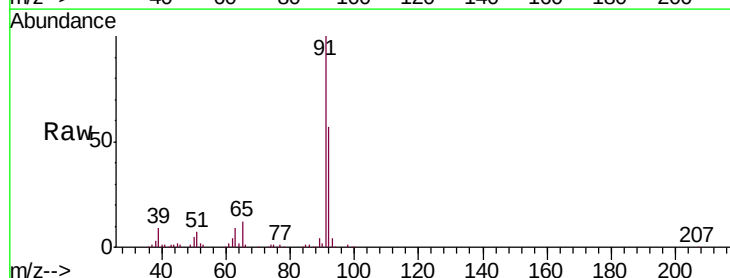
Instrument :
 MSVOA_U
 ClientSampleId :
 A52N2

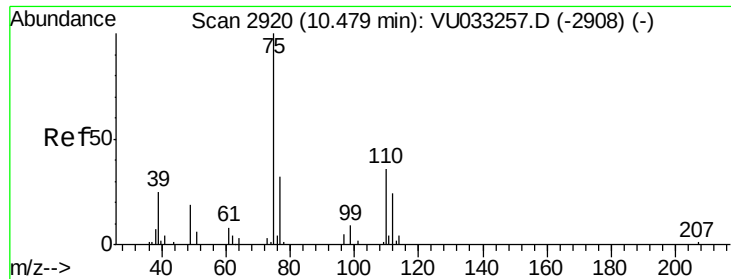
Tgt Ion: 63 Resp: 6105
 Ion Ratio Lower Upper
 63 100
 112 0.7 3.1 4.7#



#42
 Toluene
 Concen: 4.200 ug/L
 RT: 7.62 min Scan# 2030
 Delta R.T. -0.00 min
 Lab File: VU033270.D
 Acq: 16 Jul 2019 18:13

Tgt Ion: 91 Resp: 181203
 Ion Ratio Lower Upper
 91 100
 92 57.0 40.0 74.2





#59

1,2,3-Trichloropropane

Concen: 1.094 ug/L

RT: 11.47 min Scan# 3228

Delta R.T. 0.99 min

Lab File: VU033270.D

Acq: 16 Jul 2019 18:13

Instrument :

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ClientSampleId :

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Tgt Ion: 75 Resp: 7755

Ion Ratio Lower Upper

75 100

77 39.8 26.5 39.7#

