

Data File : VU033284.D
Acq On : 17 Jul 2019 12:26
Operator : JC/SP
Sample : K3772-25
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
A52N4

Quant Time: Jul 18 08:04:59 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	124575	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	134159	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	62609	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	52990	4.22	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.40%
7) Chloroethane-d5	1.67	69	47609	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.00%
11) 1,1-Dichloroethene-d2	2.26	63	86313	3.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.20%
20) 2-Butanone-d5	4.17	46	80907	34.22	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	68.44%
24) Chloroform-d	4.62	84	81096	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
26) 1,2-Dichloroethane-d4	5.29	65	47759	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
32) Benzene-d6	5.32	84	168144	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.00%
36) 1,2-Dichloropropane-d6	6.31	67	55955	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	7.55	98	145892	4.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.40%
43) trans-1,3-Dichloropropene-	7.84	79	20217	4.24	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.80%
46) 2-Hexanone-d5	8.30	63	77789	39.75	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.50%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	45950	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.00%
64) 1,2-Dichlorobenzene-d4	11.85	152	59973	4.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.40%

Target Compounds

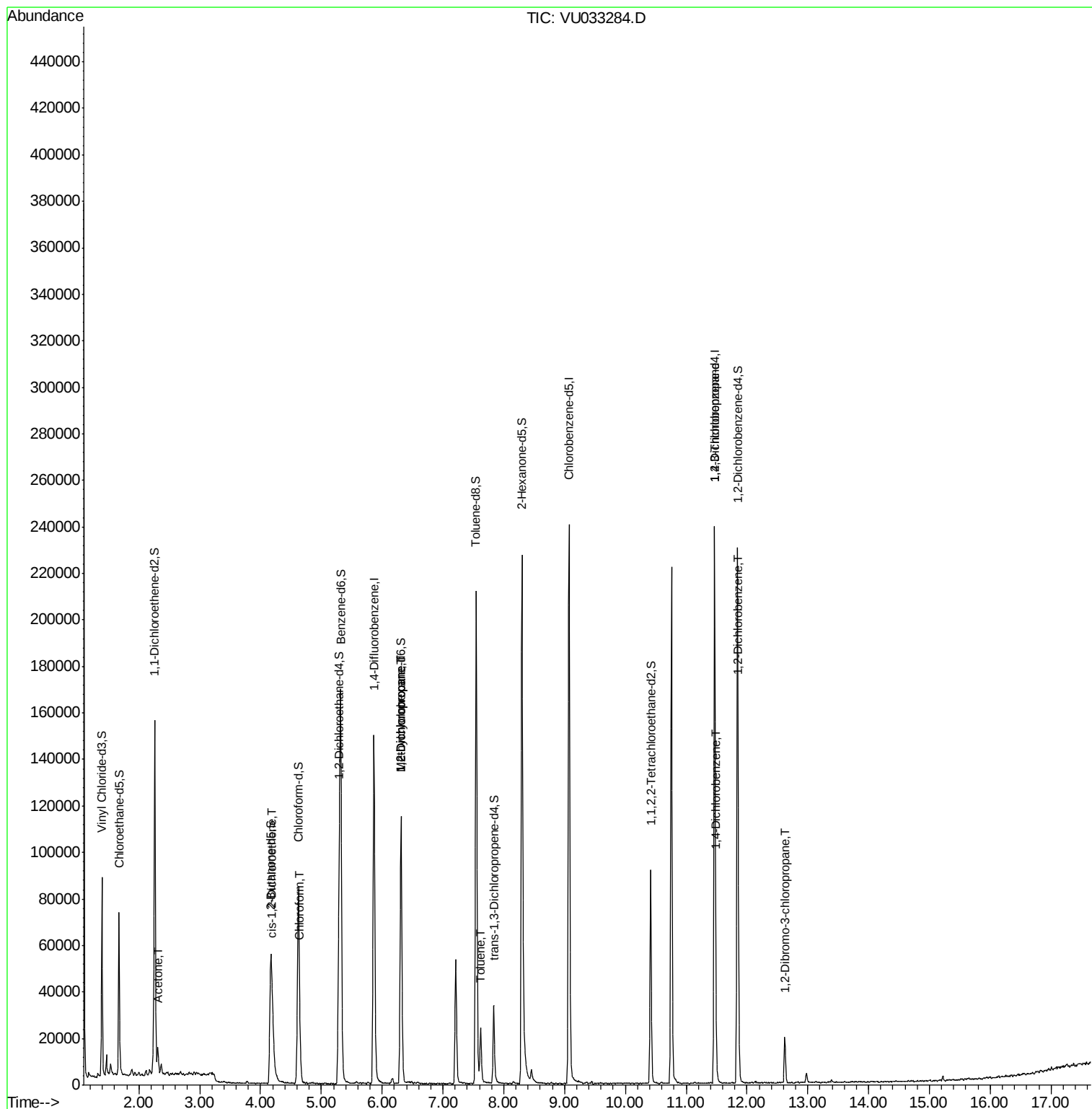
					Qvalue
13) Acetone	2.31	43	10616	5.129 ug/L	99
22) cis-1,2-Dichloroethene	4.20	96	7833	0.820 ug/L	99
25) Chloroform	4.65	83	7031	0.374 ug/L	94
35) Methylcyclohexane	6.31	83	13270	0.876 ug/L #	19
37) 1,2-Dichloropropane	6.31	63	6071	0.591 ug/L #	89
42) Toluene	7.62	91	17624	0.432 ug/L	98
59) 1,2,3-Trichloropropane	11.47	75	8467	1.264 ug/L	95
63) 1,4-Dichlorobenzene	11.49	146	2763	0.140 ug/L	80
65) 1,2-Dichlorobenzene	11.86	146	3083	0.166 ug/L #	89
66) 1,2-Dibromo-3-chloropropan	12.62	75	3900	2.774 ug/L #	2

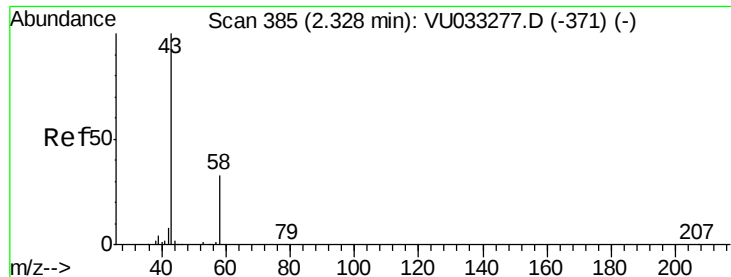
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 5.129 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.02 min

Lab File: VU033284.D

Acq: 17 Jul 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

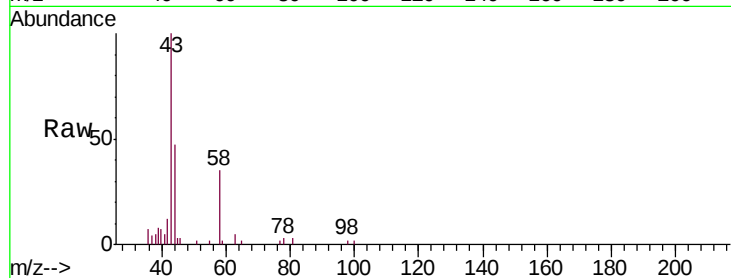
A52N4

Tgt Ion: 43 Resp: 10616

Ion Ratio Lower Upper

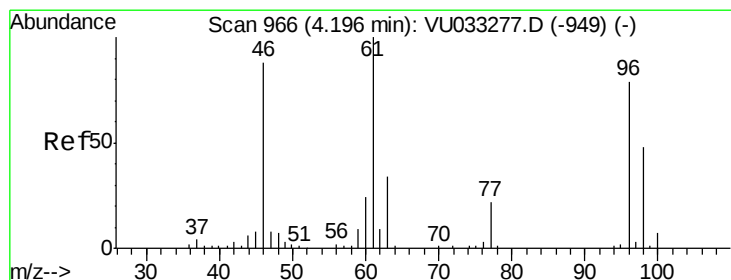
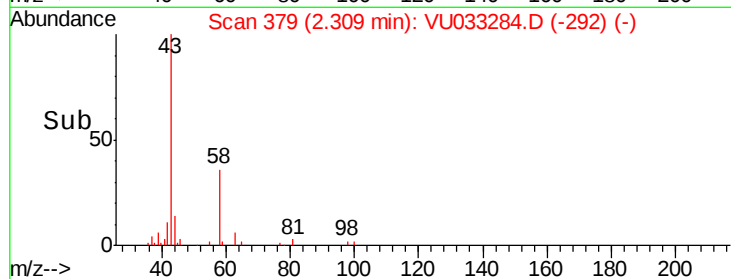
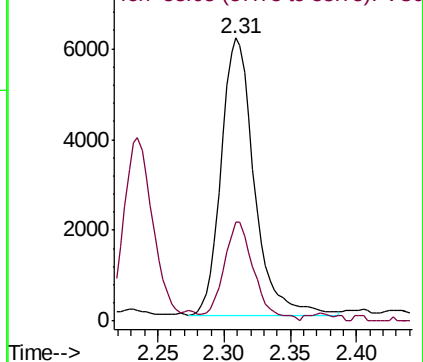
43 100

58 33.0 0.0 66.6



Abundance Ion 43.05 (42.75 to 43.75): VU033277.D (-371) (-)

Ion 58.05 (57.75 to 58.75): VU033277.D (-371) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.820 ug/L

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU033284.D

Acq: 17 Jul 2019 12:26

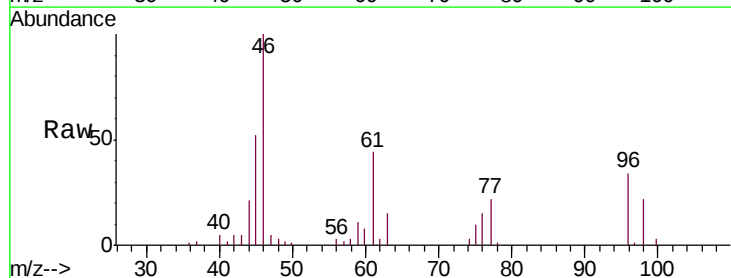
Tgt Ion: 96 Resp: 7833

Ion Ratio Lower Upper

96 100

61 128.1 89.2 165.6

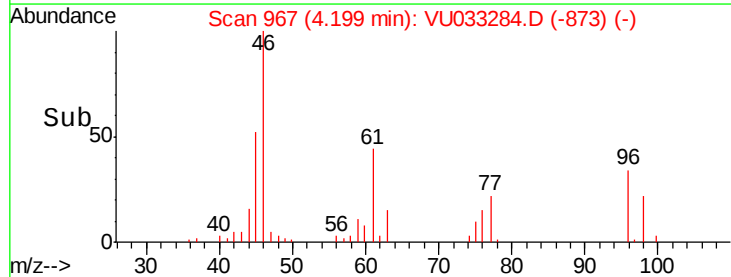
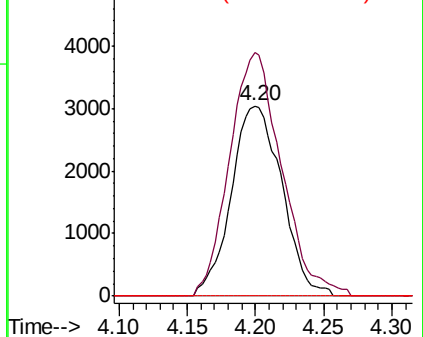
68 0.0 0.0 0.0

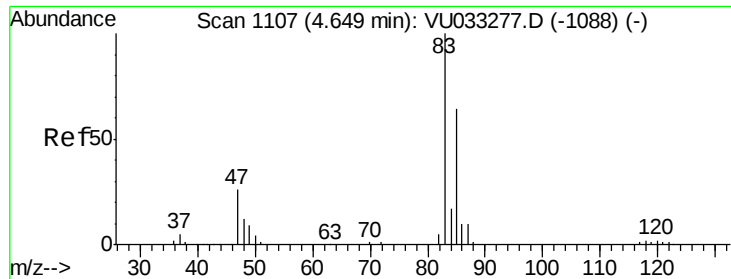


Abundance Ion 96.00 (95.70 to 96.70): VU033277.D (-949) (-)

Ion 61.05 (60.75 to 61.75): VU033277.D (-949) (-)

Ion 68.15 (67.85 to 68.85): VU033277.D (-949) (-)

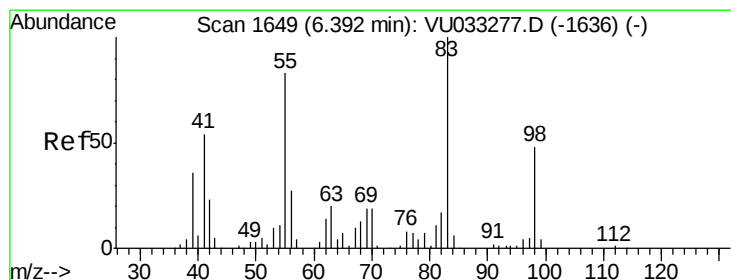
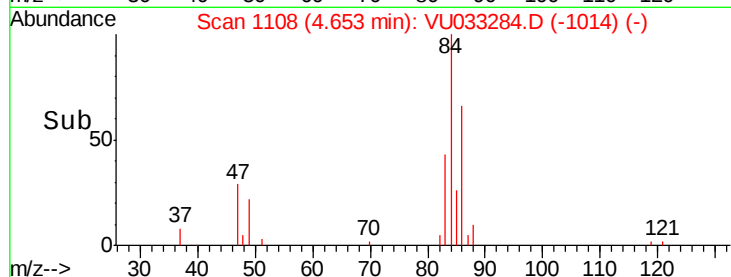
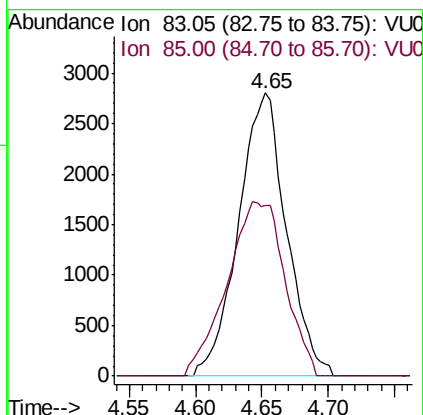
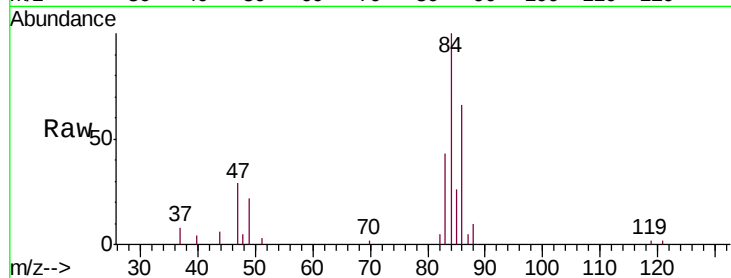




#25
Chloroform
Concen: 0.374 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VU033284.D
Acq: 17 Jul 2019 12:26

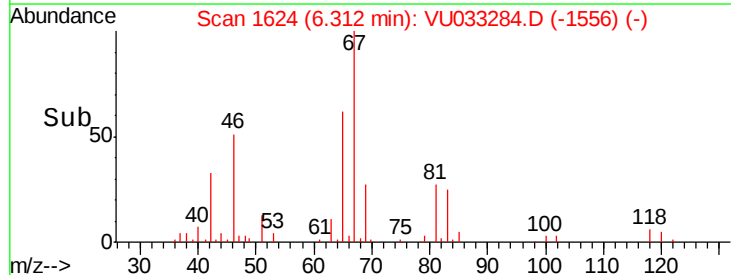
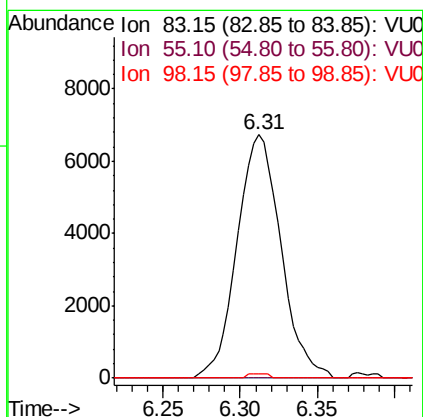
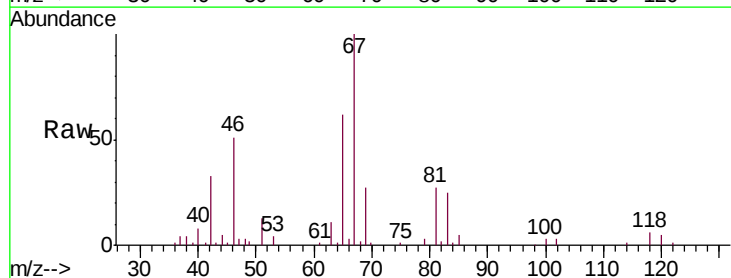
Instrument :
MSVOA_U
ClientSampleId :
A52N4

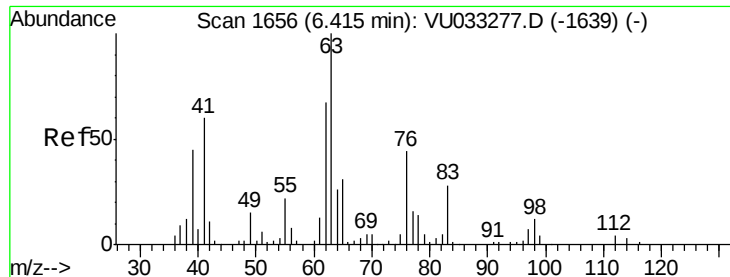
Tgt Ion: 83 Resp: 7031
Ion Ratio Lower Upper
83 100
85 60.1 45.4 84.4



#35
Methylcyclohexane
Concen: 0.876 ug/L
RT: 6.31 min Scan# 1624
Delta R.T. -0.08 min
Lab File: VU033284.D
Acq: 17 Jul 2019 12:26

Tgt Ion: 83 Resp: 13270
Ion Ratio Lower Upper
83 100
55 0.3 62.6 94.0#
98 0.9 36.2 54.2#

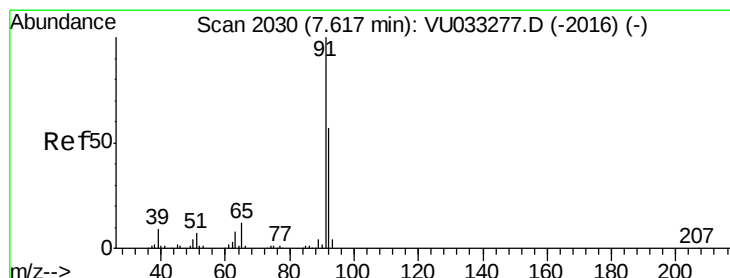
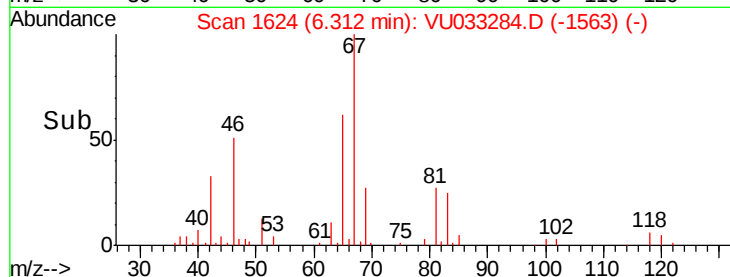
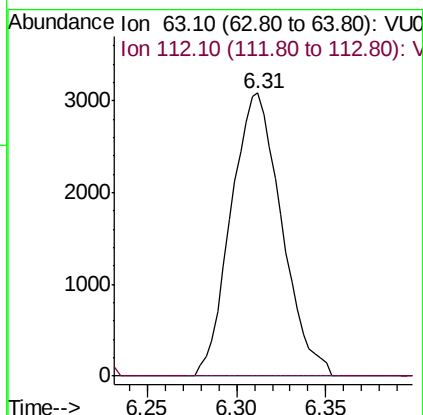
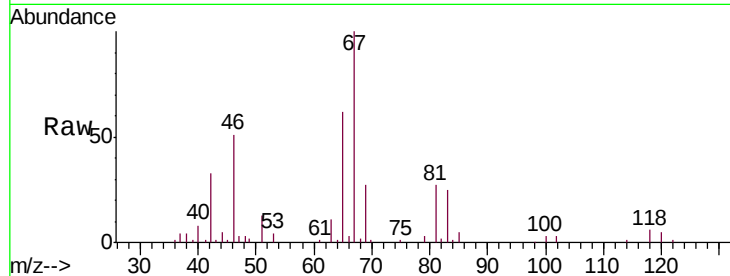




#37
 1,2-Dichloropropane
 Concen: 0.591 ug/L
 RT: 6.31 min Scan# 1624
 Delta R.T. -0.10 min
 Lab File: VU033284.D
 Acq: 17 Jul 2019 12:26

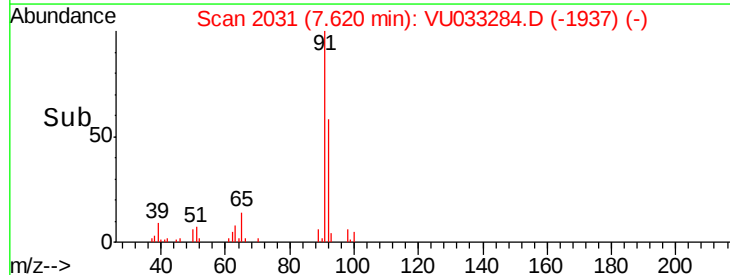
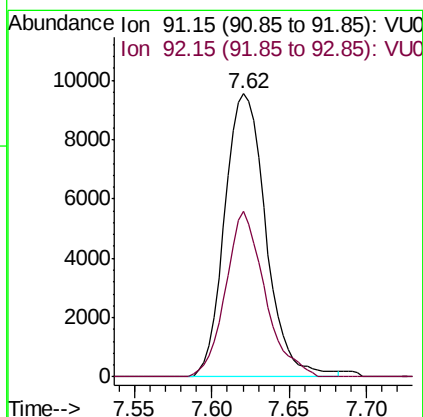
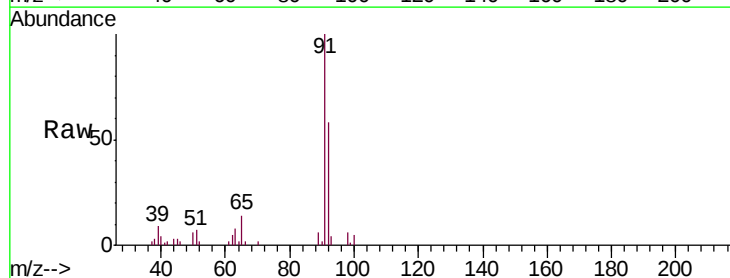
Instrument :
 MSVOA_U
 ClientSampleId :
 A52N4

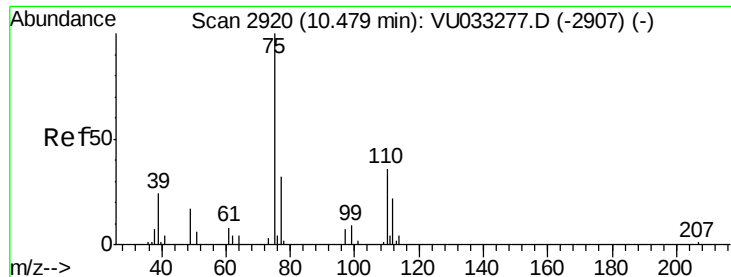
Tgt Ion: 63 Resp: 6071
 Ion Ratio Lower Upper
 63 100
 112 0.3 3.1 4.7#



#42
 Toluene
 Concen: 0.432 ug/L
 RT: 7.62 min Scan# 2031
 Delta R.T. 0.00 min
 Lab File: VU033284.D
 Acq: 17 Jul 2019 12:26

Tgt Ion: 91 Resp: 17624
 Ion Ratio Lower Upper
 91 100
 92 58.5 40.0 74.2





#59

1,2,3-Trichloropropane

Concen: 1.264 ug/L

RT: 11.47 min Scan# 3228

Delta R.T. 0.99 min

Lab File: VU033284.D

Acq: 17 Jul 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

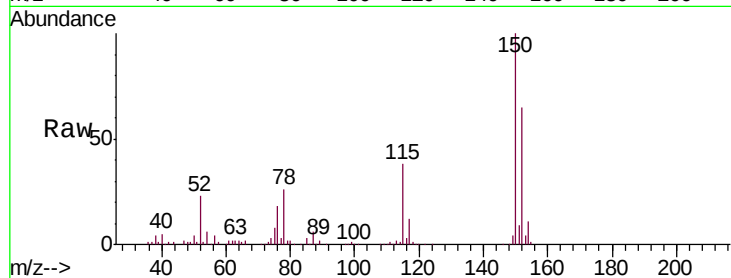
A52N4

Tgt Ion: 75 Resp: 8467

Ion Ratio Lower Upper

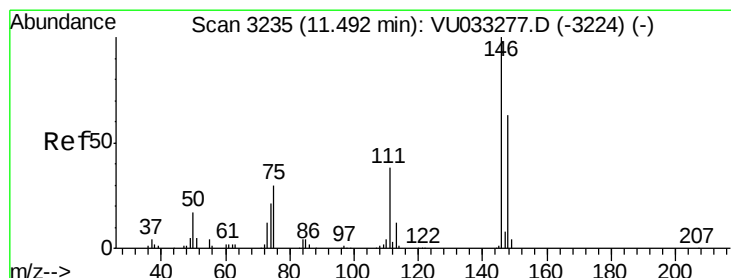
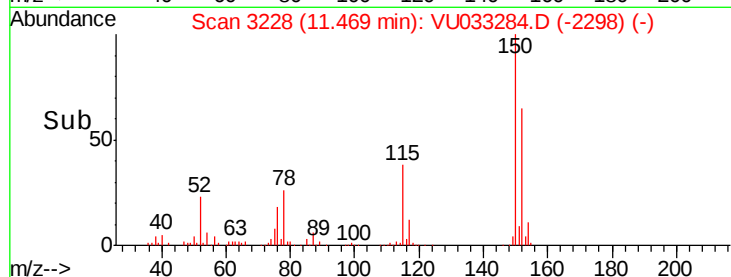
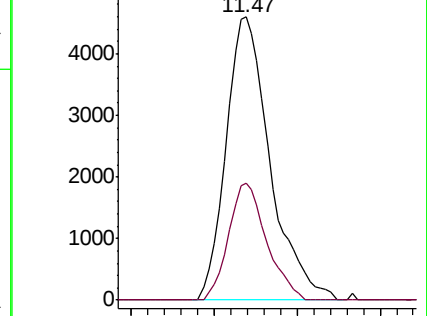
75 100

77 35.7 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#63

1,4-Dichlorobenzene

Concen: 0.140 ug/L

RT: 11.49 min Scan# 3236

Delta R.T. 0.00 min

Lab File: VU033284.D

Acq: 17 Jul 2019 12:26

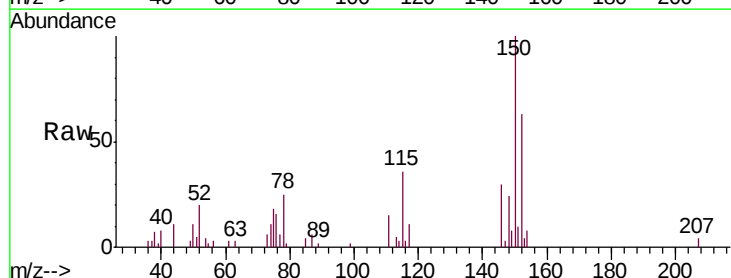
Tgt Ion: 146 Resp: 2763

Ion Ratio Lower Upper

146 100

111 49.8 27.9 51.7

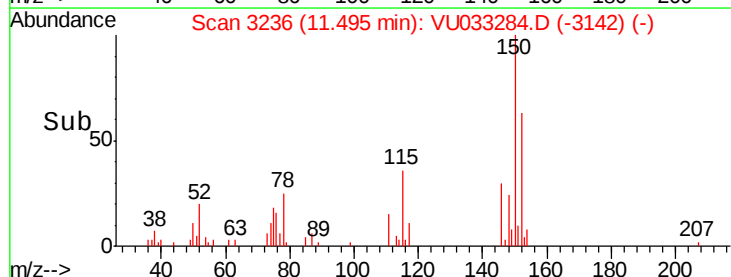
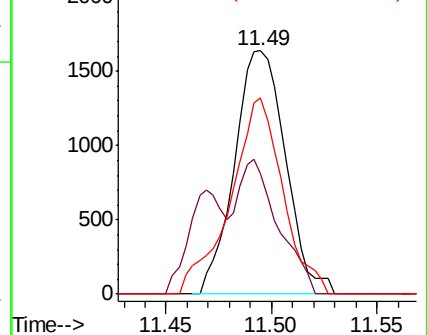
148 80.7 44.1 81.9

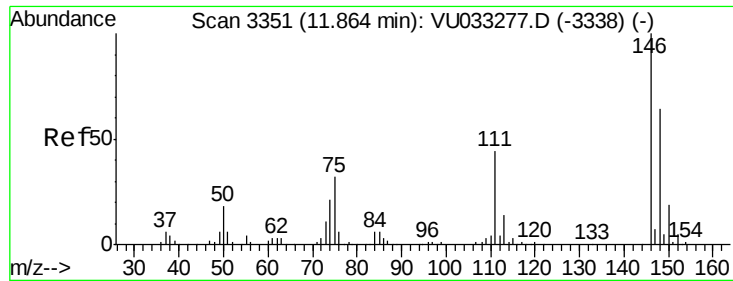


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.166 ug/L

RT: 11.86 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VU033284.D

Acq: 17 Jul 2019 12:26

Instrument :

MSVOA_U

ClientSampled :

A52N4

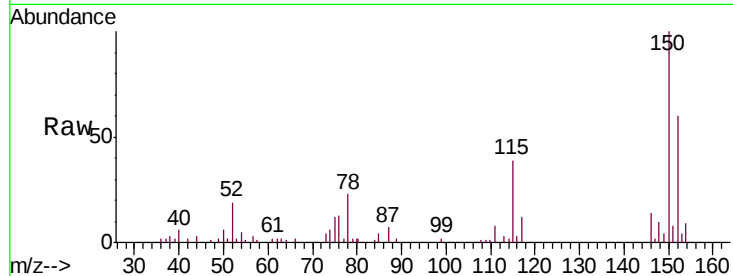
Tgt Ion:146 Resp: 3083

Ion Ratio Lower Upper

146 100

111 57.4 34.2 51.4#

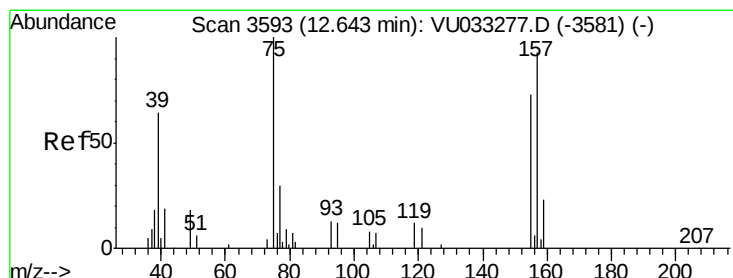
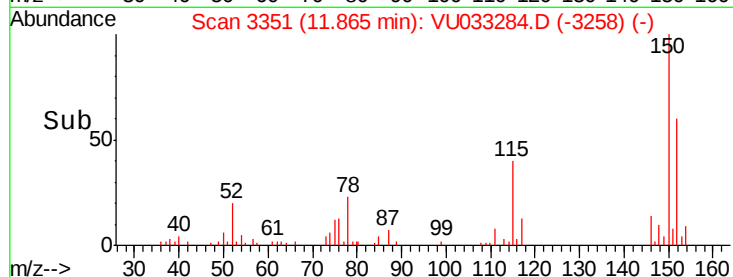
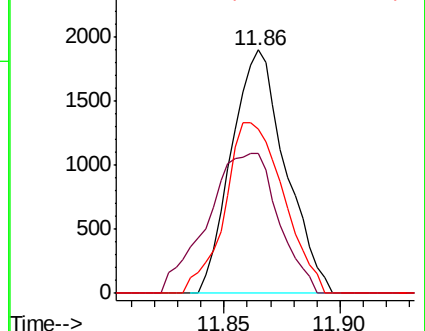
148 67.2 52.0 78.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 2.774 ug/L

RT: 12.62 min Scan# 3587

Delta R.T. -0.02 min

Lab File: VU033284.D

Acq: 17 Jul 2019 12:26

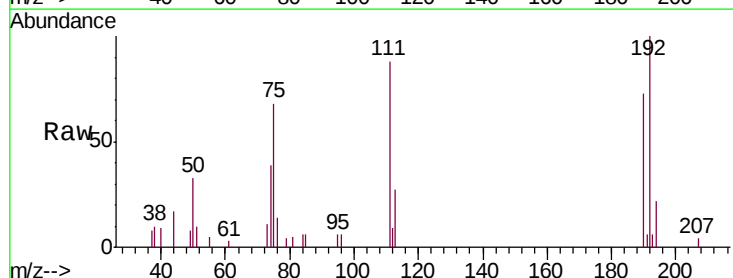
Tgt Ion: 75 Resp: 3900

Ion Ratio Lower Upper

75 100

155 0.0 67.1 100.7#

157 0.0 83.7 125.5#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

