

Data File : VU033230.D
Acq On : 12 Jul 2019 18:31
Operator : JC/SP
Sample : K3787-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0C90

Quant Time: Jul 13 00:13:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jul 13 00:05:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	301841	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	296123	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	133986	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	116248	50.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.76%
7) Chloroethane-d5	1.67	69	104023	53.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	106.58%
11) 1,1-Dichloroethene-d2	2.26	63	156263	37.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.40%
21) 2-Butanone-d5	4.15	46	165930	114.61	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.61%
24) Chloroform-d	4.62	84	201709	52.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.36%
26) 1,2-Dichloroethane-d4	5.28	65	131539	53.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.12%
32) Benzene-d6	5.32	84	403839	55.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.18%
36) 1,2-Dichloropropane-d6	6.31	67	128860	55.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	110.74%
41) Toluene-d8	7.55	98	362724	52.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.90%
43) trans-1,3-Dichloropropene-	7.83	79	60512	53.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.06%
47) 2-Hexanone-d5	8.29	63	123465	117.69	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.69%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	188432	53.50	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.00%
64) 1,2-Dichlorobenzene-d4	11.85	152	136933	57.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	114.62%

Target Compounds

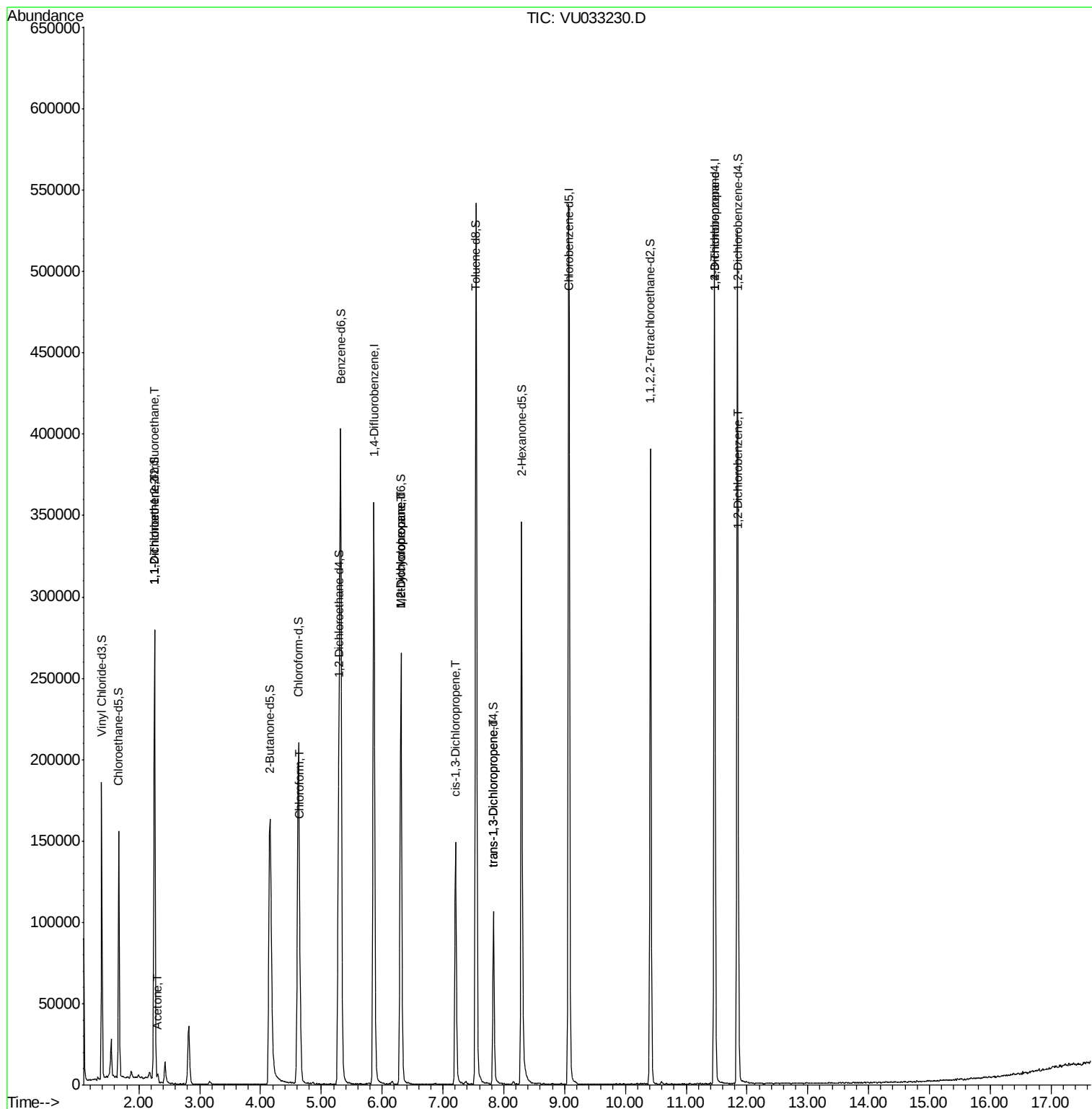
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.25	101	1283	0.623 ug/L #	21
12) 1,1-Dichloroethene	2.25	96	1380	0.685 ug/L #	1
13) Acetone	2.31	43	3973	2.196 ug/L	96
25) Chloroform	4.65	83	37781	8.875 ug/L	99
35) Methylcyclohexane	6.31	83	30172	8.721 ug/L #	20
37) 1,2-Dichloropropane	6.31	63	13862	5.919 ug/L #	89
39) cis-1,3-Dichloropropene	7.21	75	3806	1.060 ug/L #	71
44) trans-1,3-Dichloropropene	7.83	75	2890	0.892 ug/L	93
59) 1,2,3-Trichloropropane	11.47	75	17141	5.622 ug/L	91
65) 1,2-Dichlorobenzene	11.86	146	4279	1.012 ug/L	94

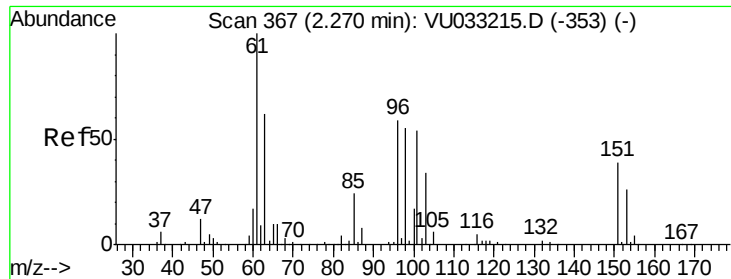
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.623 ug/L

RT: 2.25 min Scan# 362

Delta R.T. -0.02 min

Lab File: VU033230.D

Acq: 12 Jul 2019 18:31

Instrument :

MSVOA_U

ClientSampleId :

C0C90

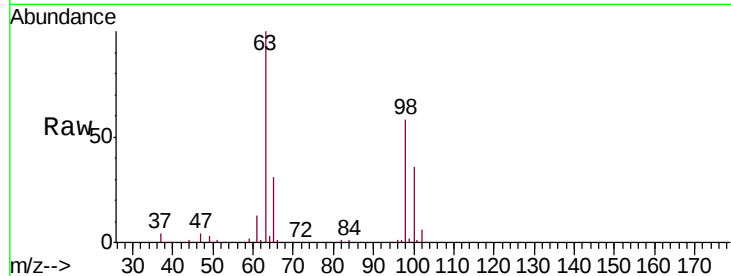
Tgt Ion:101 Resp: 1283

Ion Ratio Lower Upper

101 100

85 0.0 35.8 53.8#

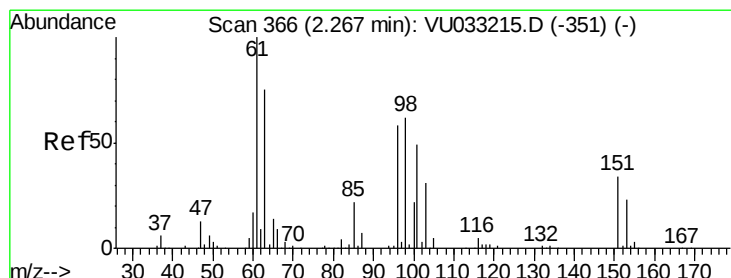
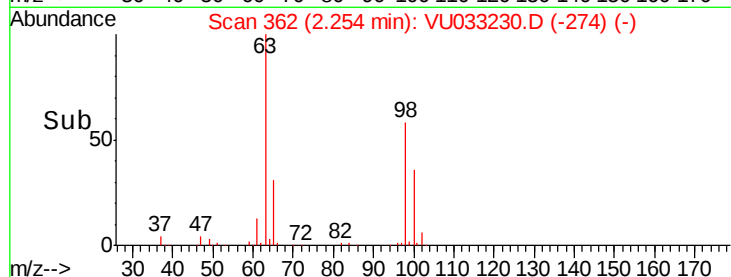
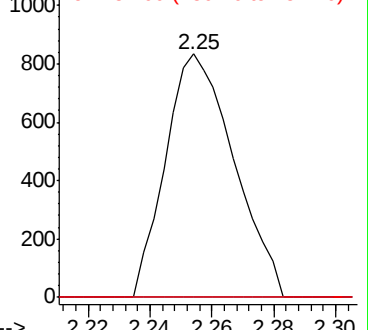
151 0.0 56.7 85.1#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.685 ug/L

RT: 2.25 min Scan# 362

Delta R.T. -0.01 min

Lab File: VU033230.D

Acq: 12 Jul 2019 18:31

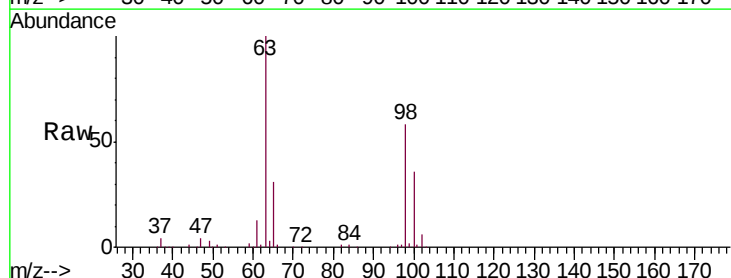
Tgt Ion: 96 Resp: 1380

Ion Ratio Lower Upper

96 100

61 1384.9 126.1 234.1#

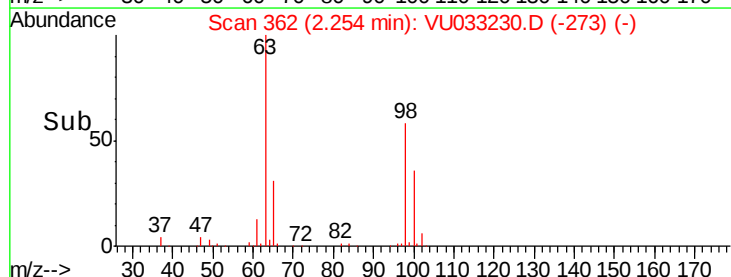
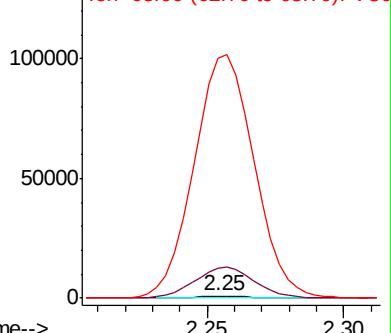
63 11043.2 96.8 179.8#

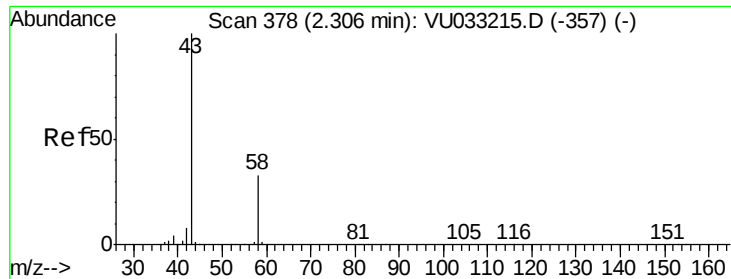


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

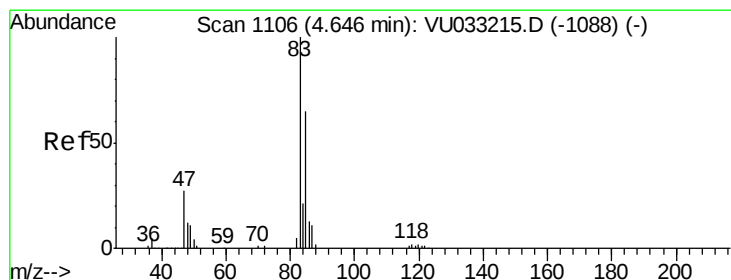
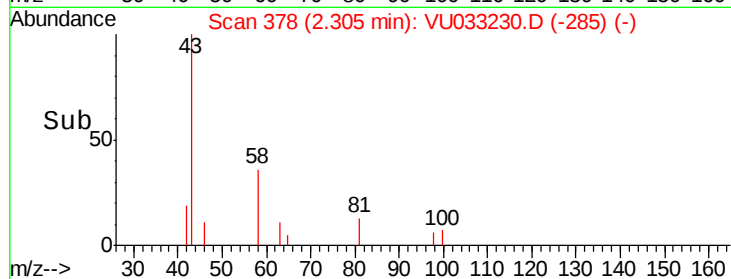
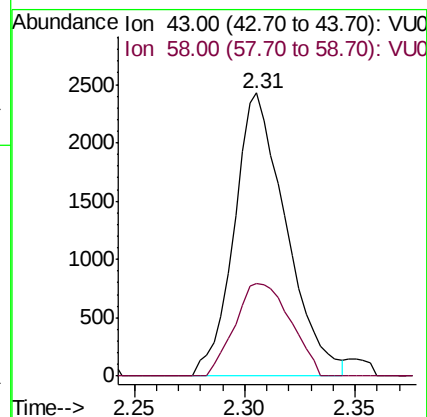
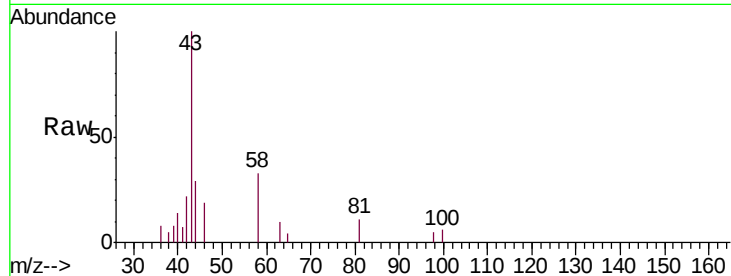




#13
Acetone
Concen: 2.196 ug/L
RT: 2.31 min Scan# 378
Delta R.T. -0.00 min
Lab File: VU033230.D
Acq: 12 Jul 2019 18:31

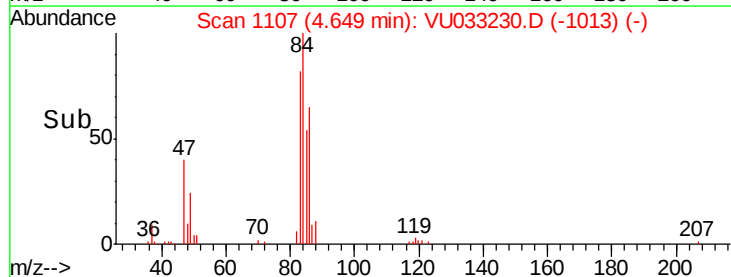
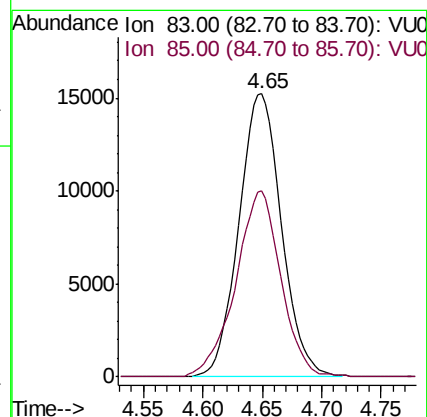
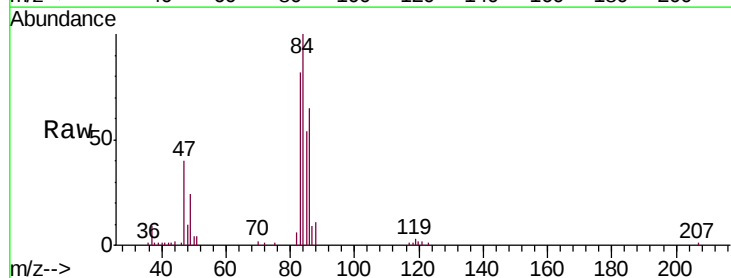
Instrument :
MSVOA_U
ClientSampleId :
C0C90

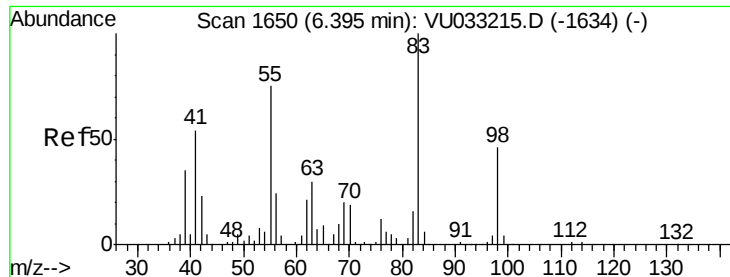
Tgt Ion: 43 Resp: 3973
Ion Ratio Lower Upper
43 100
58 34.9 0.0 65.4



#25
Chloroform
Concen: 8.875 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033230.D
Acq: 12 Jul 2019 18:31

Tgt Ion: 83 Resp: 37781
Ion Ratio Lower Upper
83 100
85 65.9 45.4 84.4

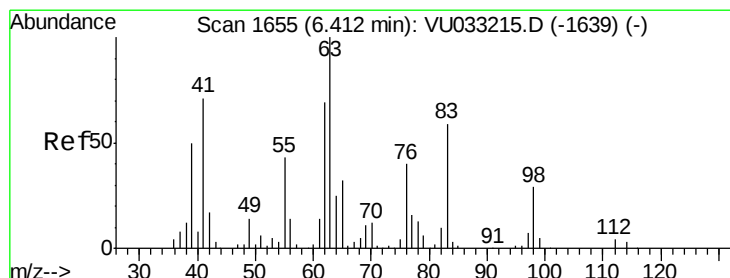
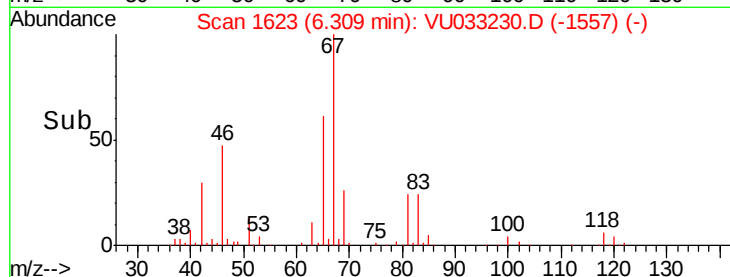
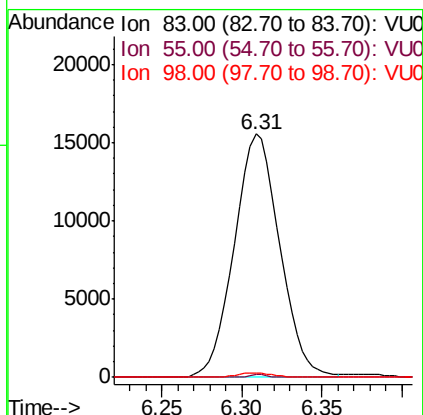
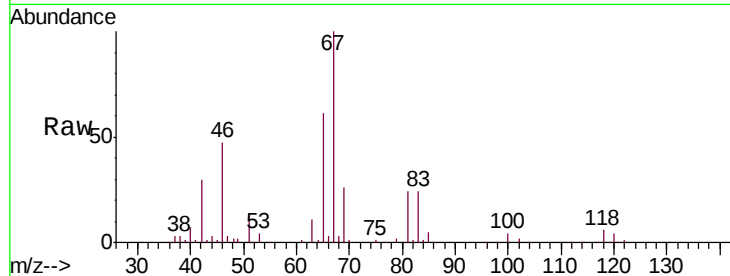




#35
Methylcyclohexane
Concen: 8.721 ug/L
RT: 6.31 min Scan# 1623
Delta R.T. -0.09 min
Lab File: VU033230.D
Acq: 12 Jul 2019 18:31

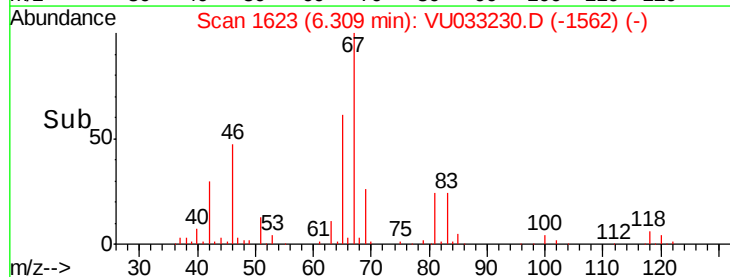
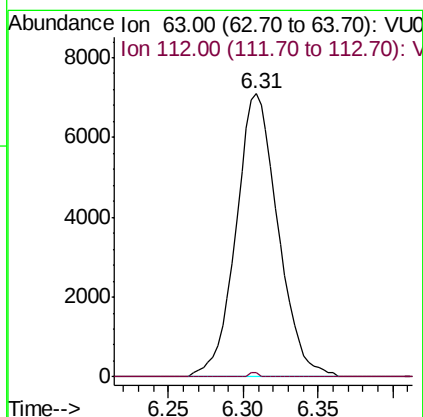
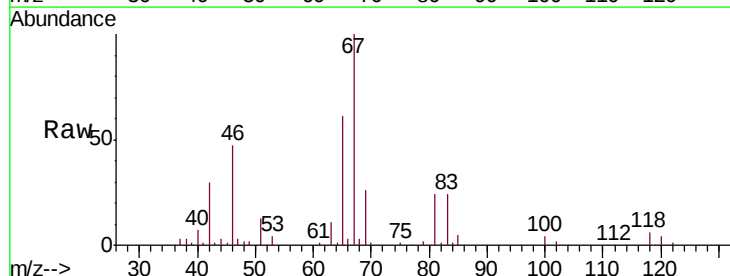
Instrument :
MSVOA_U
ClientSampleId :
C0C90

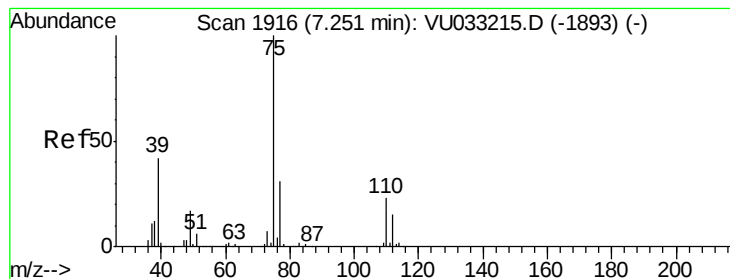
Tgt Ion: 83 Resp: 30172
Ion Ratio Lower Upper
83 100
55 0.3 60.5 90.7#
98 1.3 37.4 56.0#



#37
1,2-Dichloropropane
Concen: 5.919 ug/L
RT: 6.31 min Scan# 1623
Delta R.T. -0.10 min
Lab File: VU033230.D
Acq: 12 Jul 2019 18:31

Tgt Ion: 63 Resp: 13862
Ion Ratio Lower Upper
63 100
112 0.3 3.2 4.8#



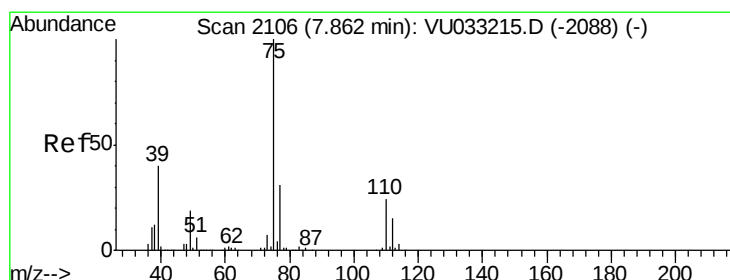
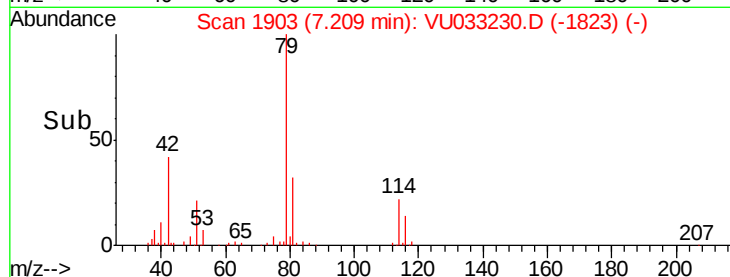
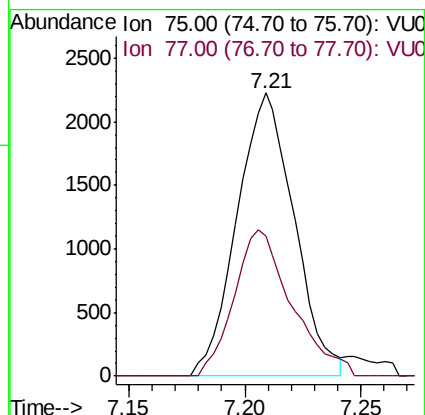
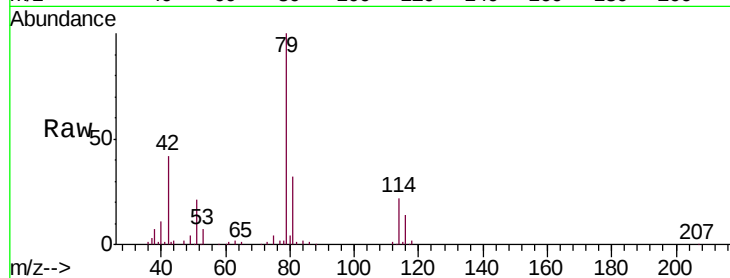


#39

cis-1,3-Dichloropropene
Concen: 1.060 ug/L
RT: 7.21 min Scan# 1903
Delta R.T. -0.04 min
Lab File: VU033230.D
Acq: 12 Jul 2019 18:31

Instrument :
MSVOA_U
ClientSampleId :
C0C90

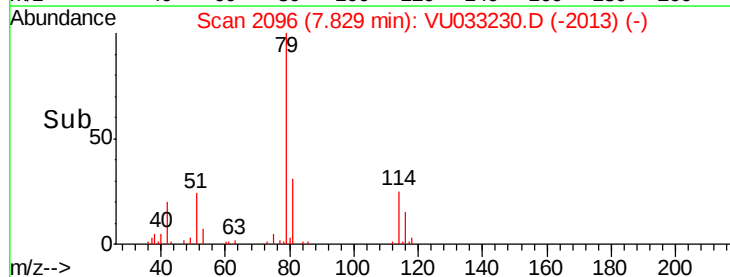
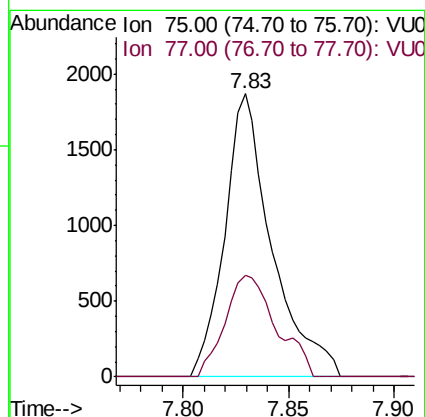
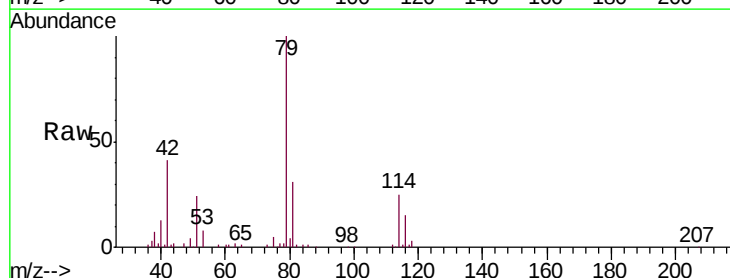
Tgt Ion: 75 Resp: 3806
Ion Ratio Lower Upper
75 100
77 49.3 23.1 42.9#

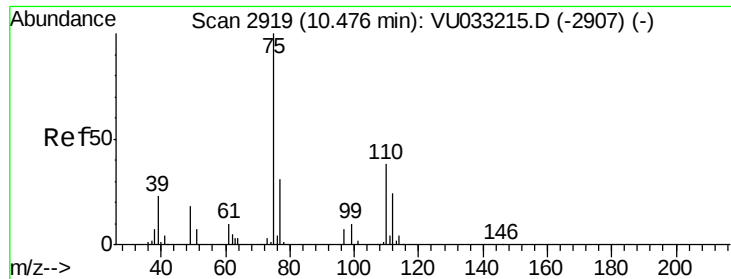


#44

trans-1,3-Dichloropropene
Concen: 0.892 ug/L
RT: 7.83 min Scan# 2096
Delta R.T. -0.03 min
Lab File: VU033230.D
Acq: 12 Jul 2019 18:31

Tgt Ion: 75 Resp: 2890
Ion Ratio Lower Upper
75 100
77 35.7 22.4 41.6

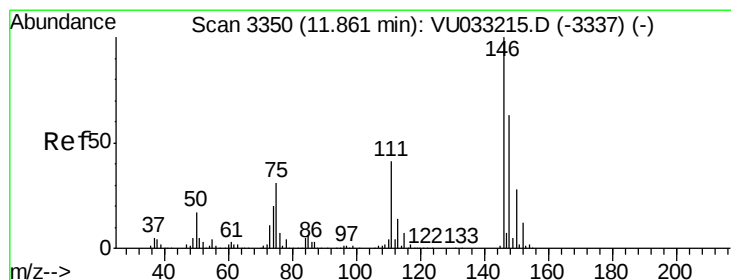
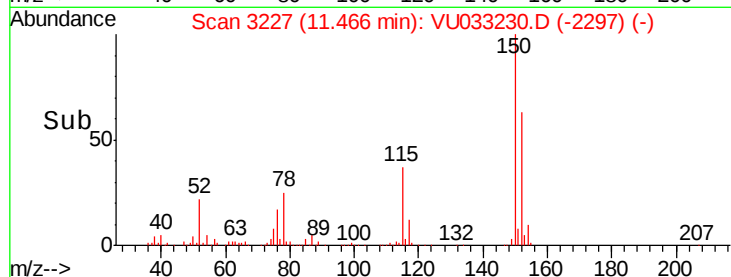
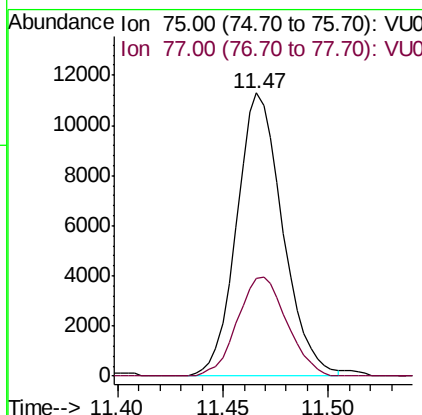
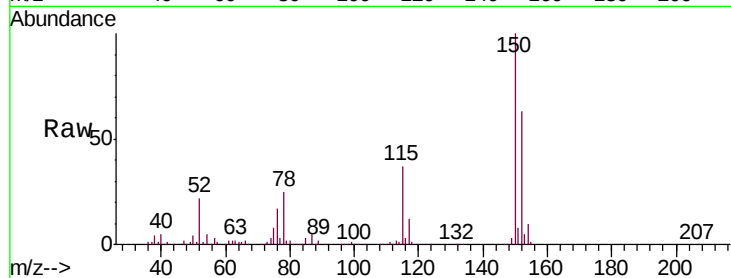




#59
 1,2,3-Trichloropropane
 Concen: 5.622 ug/L
 RT: 11.47 min Scan# 3227
 Delta R.T. 0.99 min
 Lab File: VU033230.D
 Acq: 12 Jul 2019 18:31

Instrument :
 MSVOA_U
 ClientSampleId :
 C0C90

Tgt Ion: 75 Resp: 17141
 Ion Ratio Lower Upper
 75 100
 77 37.5 26.0 39.0



#65
 1,2-Dichlorobenzene
 Concen: 1.012 ug/L
 RT: 11.86 min Scan# 3351
 Delta R.T. 0.00 min
 Lab File: VU033230.D
 Acq: 12 Jul 2019 18:31

Tgt Ion: 146 Resp: 4279
 Ion Ratio Lower Upper
 146 100
 111 48.6 34.3 51.5
 148 68.1 51.5 77.3

