

Data File : VU033820.D
Acq On : 15 Aug 2019 19:19
Operator : JC/SP
Sample : K4369-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0CD3

Quant Time: Aug 16 02:58:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081619WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 16 02:54:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	391013	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	388744	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	179506	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	162596	46.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.44%
7) Chloroethane-d5	1.67	69	149123	45.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.64%
11) 1,1-Dichloroethene-d2	2.26	63	214097	36.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.84%
21) 2-Butanone-d5	4.16	46	192526	104.35	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.35%
24) Chloroform-d	4.62	84	268657	47.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.90%
26) 1,2-Dichloroethane-d4	5.29	65	174105	49.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.30%
32) Benzene-d6	5.32	84	540777	49.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.86%
36) 1,2-Dichloropropane-d6	6.31	67	173379	49.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.22%
41) Toluene-d8	7.55	98	485697	48.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.52%
43) trans-1,3-Dichloropropene-	7.83	79	79373	48.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.42%
47) 2-Hexanone-d5	8.30	63	133336	102.54	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.54%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	231915	47.53	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.06%
64) 1,2-Dichlorobenzene-d4	11.84	152	191560	53.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.08%

Target Compounds

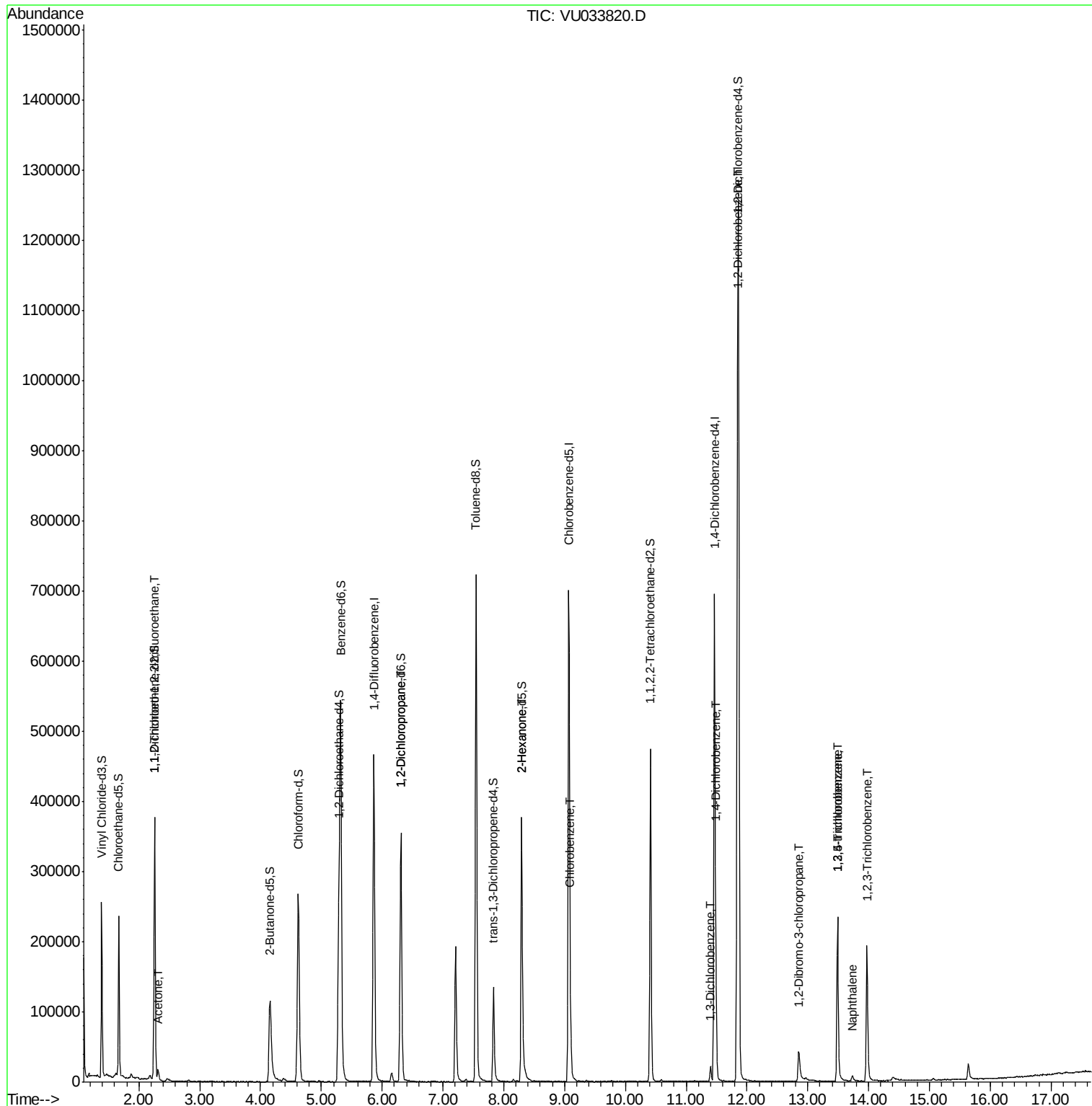
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	2236	0.802	ug/L #	30
13) Acetone	2.32	43	16232	8.952	ug/L	97
37) 1,2-Dichloropropane	6.31	63	18638	5.796	ug/L #	88
48) 2-Hexanone	8.30	43	15649	5.287	ug/L #	69
51) Chlorobenzene	9.10	112	34037	4.151	ug/L	97
62) 1,3-Dichlorobenzene	11.40	146	8771	1.557	ug/L	97
63) 1,4-Dichlorobenzene	11.49	146	49680	8.519	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	427626	75.731	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.85	75	1825	1.944	ug/L #	1
67) 1,3,5-Trichlorobenzene	13.49	180	79093	18.203	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	79093	22.231	ug/L	100
69) Naphthalene	13.73	128	7750	0.789	ug/L #	94
70) 1,2,3-Trichlorobenzene	13.97	180	66038	17.884	ug/L	98

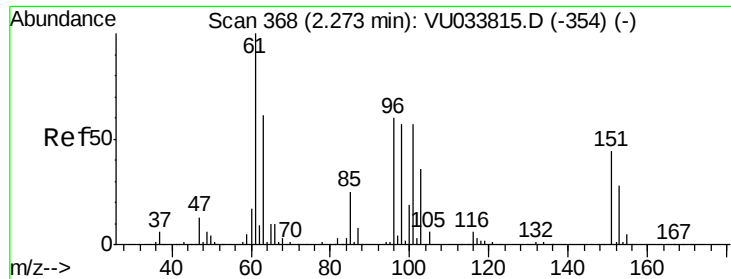
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.802 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.02 min

Lab File: VU033820.D

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MSVOA_U

ClientSampleId :

C0CD3

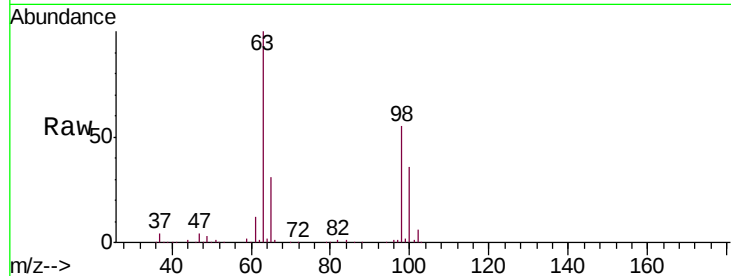
Tgt Ion: 101 Resp: 2236

Ion Ratio Lower Upper

101 100

85 9.1 35.2 52.8#

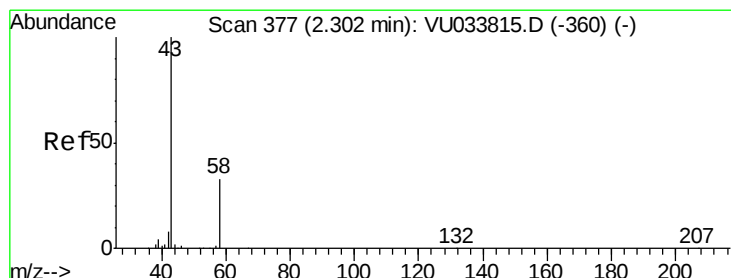
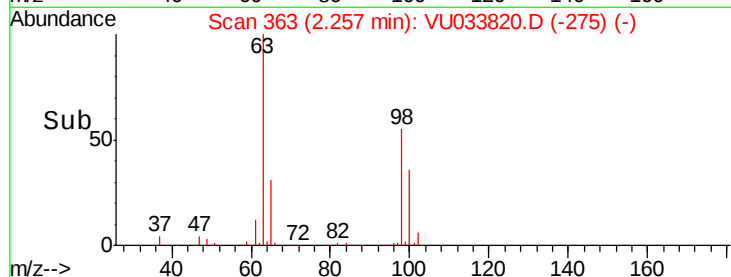
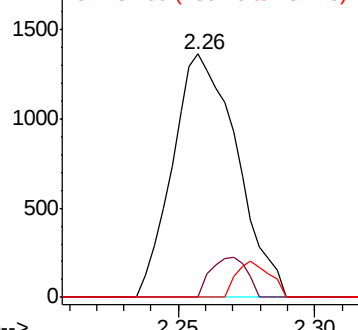
151 7.8 60.4 90.6#



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



#13

Acetone

Concen: 8.952 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.01 min

Lab File: VU033820.D

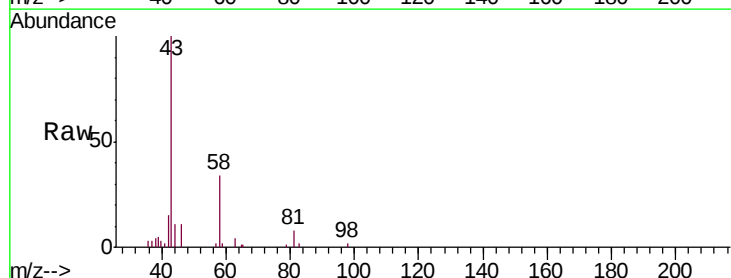
Acq: 15 Aug 2019 19:19

Tgt Ion: 43 Resp: 16232

Ion Ratio Lower Upper

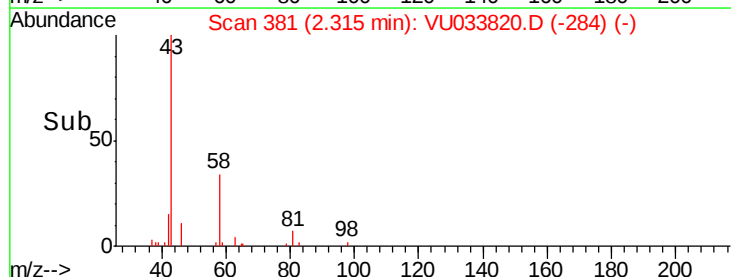
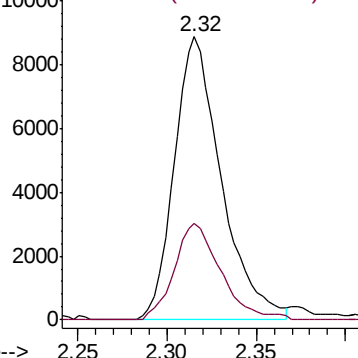
43 100

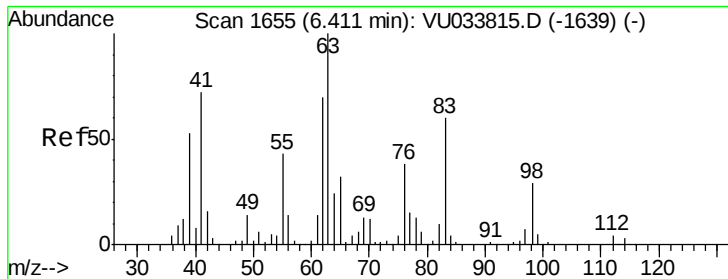
58 33.0 0.0 69.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

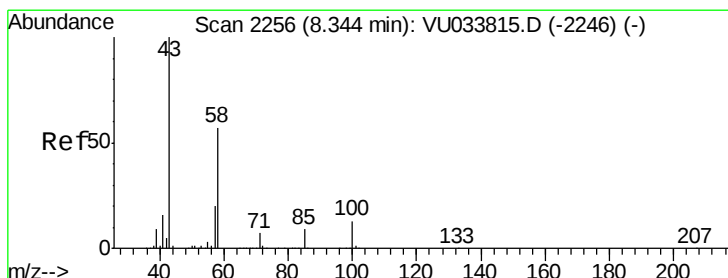
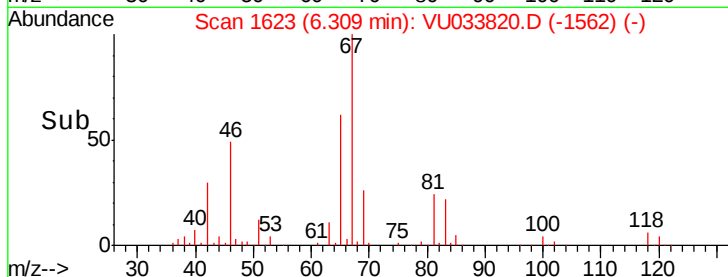
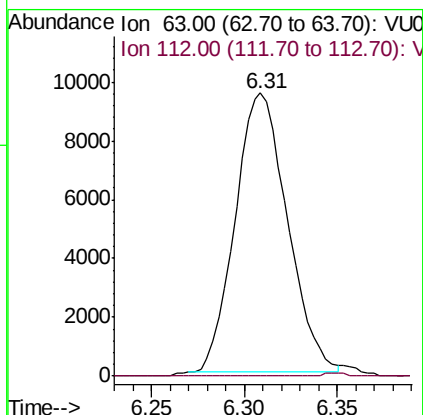
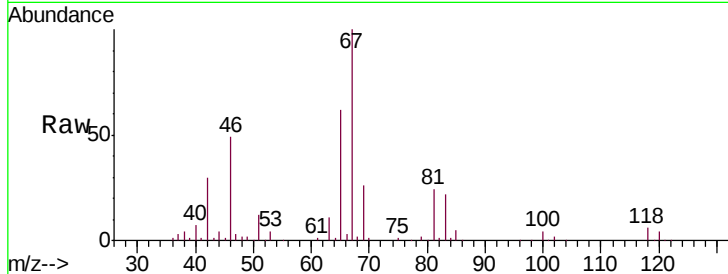




#37
 1,2-Dichloropropane
 Concen: 5.796 ug/L
 RT: 6.31 min Scan# 1623
 Delta R.T. -0.10 min
 Lab File: VU033820.D
 Acq: 15 Aug 2019 19:19

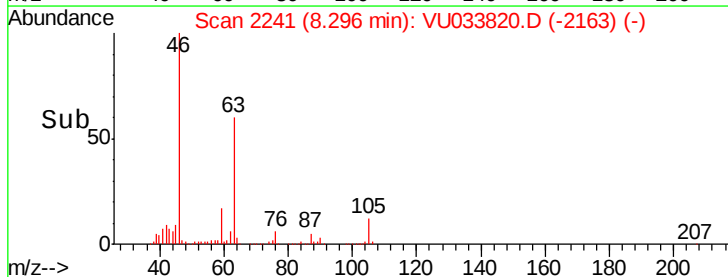
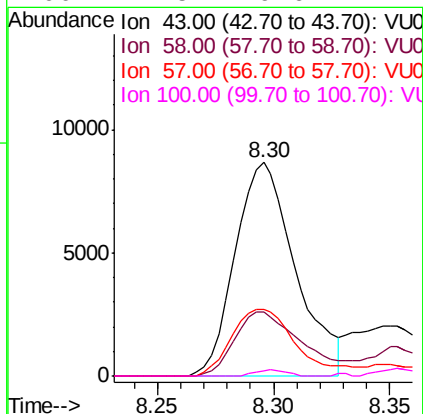
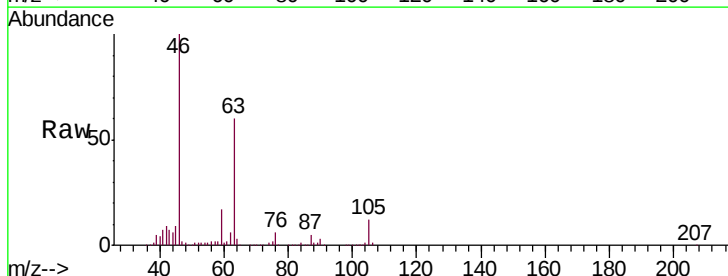
Instrument :
 MSVOA_U
 ClientSampleId :
 C0CD3

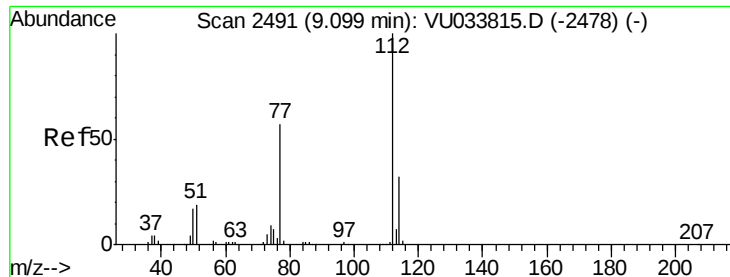
Tgt Ion: 63 Resp: 18638
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



#48
 2-Hexanone
 Concen: 5.287 ug/L
 RT: 8.30 min Scan# 2241
 Delta R.T. -0.05 min
 Lab File: VU033820.D
 Acq: 15 Aug 2019 19:19

Tgt Ion: 43 Resp: 15649
 Ion Ratio Lower Upper
 43 100
 58 32.8 45.0 67.4#
 57 32.4 15.4 23.0#
 100 1.5 9.6 14.4#

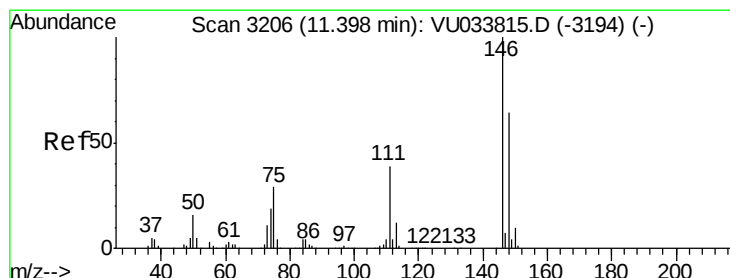
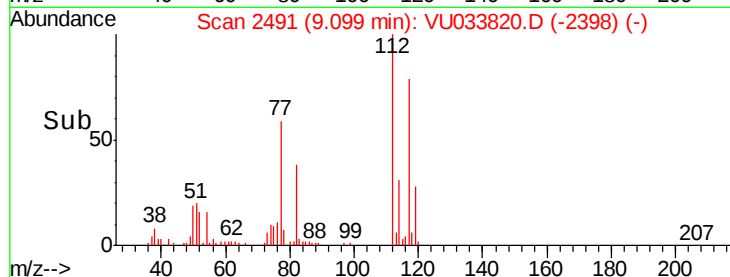
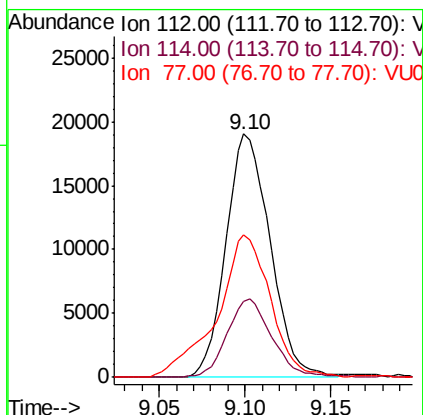
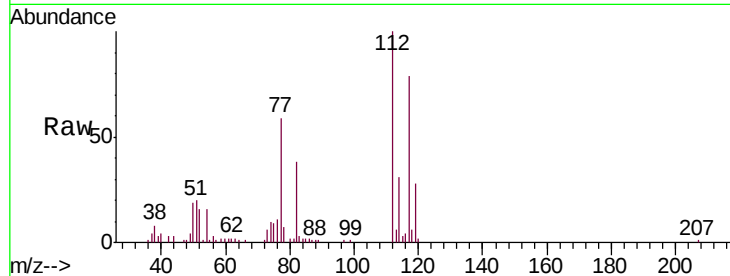




#51
Chlorobenzene
Concen: 4.151 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU033820.D
Acq: 15 Aug 2019 19:19

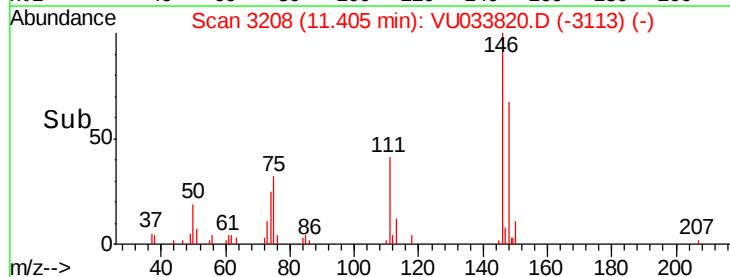
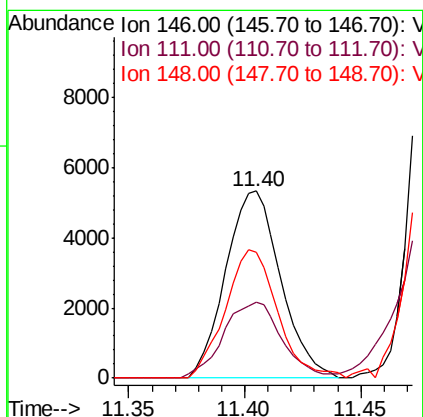
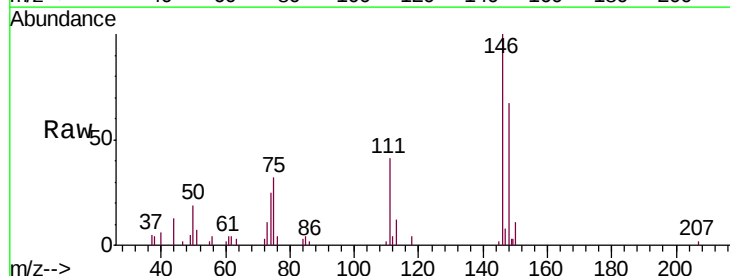
Instrument :
MSVOA_U
ClientSampleId :
C0CD3

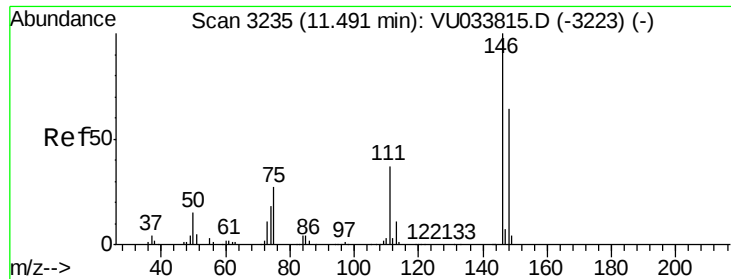
Tgt Ion:112 Resp: 34037
Ion Ratio Lower Upper
112 100
114 31.1 22.5 41.9
77 58.8 45.4 68.0



#62
1,3-Dichlorobenzene
Concen: 1.557 ug/L
RT: 11.40 min Scan# 3208
Delta R.T. 0.01 min
Lab File: VU033820.D
Acq: 15 Aug 2019 19:19

Tgt Ion:146 Resp: 8771
Ion Ratio Lower Upper
146 100
111 40.9 28.1 52.1
148 67.3 45.2 84.0

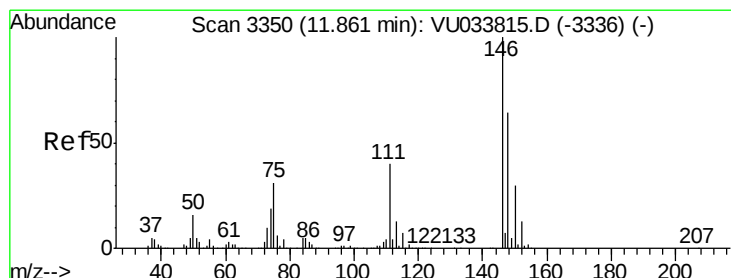
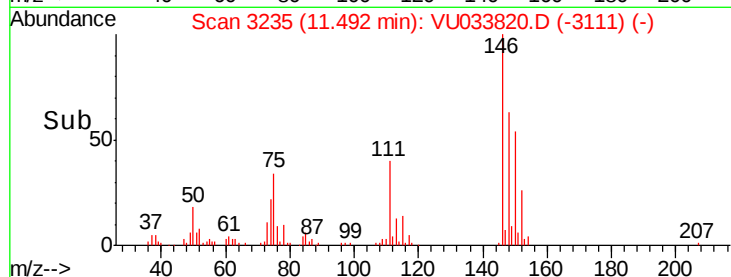
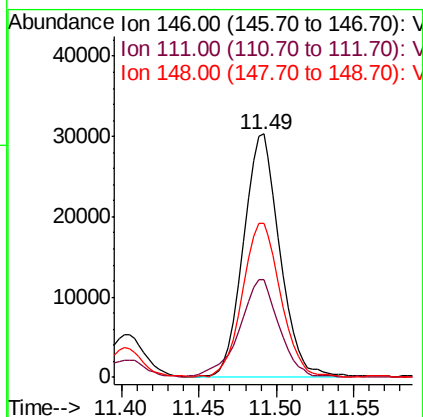
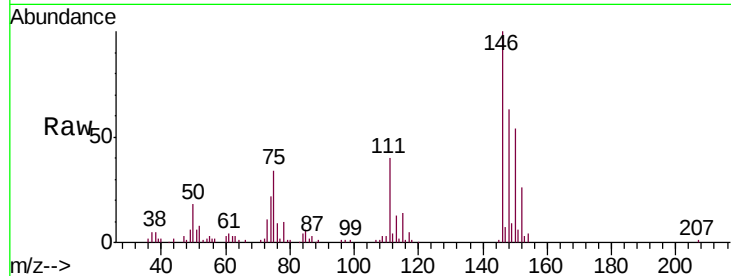




#63
 1,4-Dichlorobenzene
 Concen: 8.519 ug/L
 RT: 11.49 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU033820.D
 Acq: 15 Aug 2019 19:19

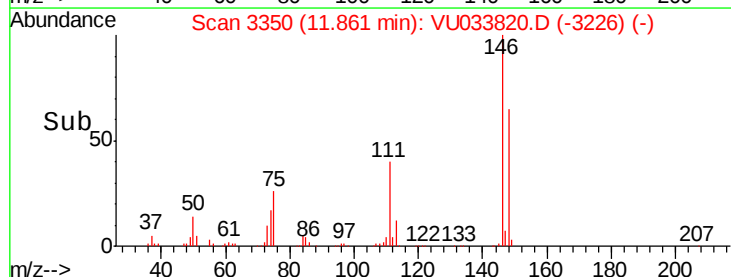
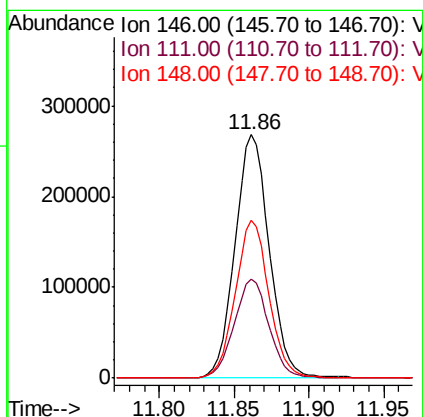
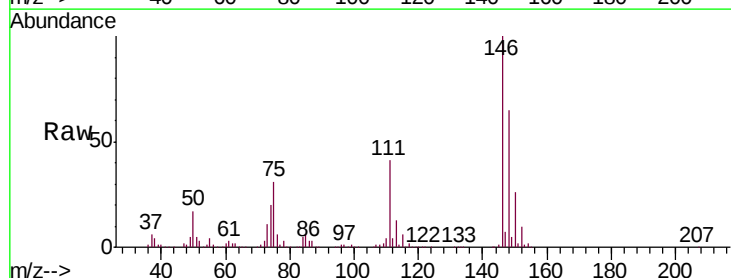
Instrument :
 MSVOA_U
 ClientSampleId :
 C0CD3

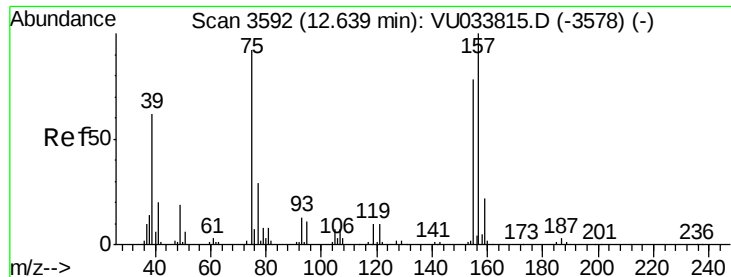
Tgt Ion:146 Resp: 49680
 Ion Ratio Lower Upper
 146 100
 111 40.1 27.0 50.2
 148 63.4 44.5 82.7



#65
 1,2-Dichlorobenzene
 Concen: 75.731 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU033820.D
 Acq: 15 Aug 2019 19:19

Tgt Ion:146 Resp: 427626
 Ion Ratio Lower Upper
 146 100
 111 40.8 33.8 50.6
 148 64.8 51.0 76.4





#66

1,2-Dibromo-3-chloropropane

Concen: 1.944 ug/L

RT: 12.85 min Scan# 3659

Delta R.T. 0.22 min

Lab File: VU033820.D

Acq: 15 Aug 2019 19:19

Instrument :

MSVOA_U

ClientSampleId :

C0CD3

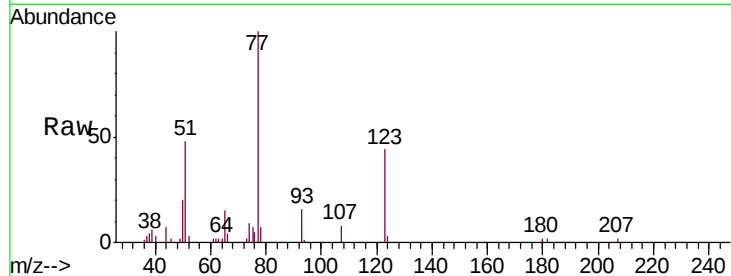
Tgt Ion: 75 Resp: 1825

Ion Ratio Lower Upper

75 100

155 0.0 67.5 101.3#

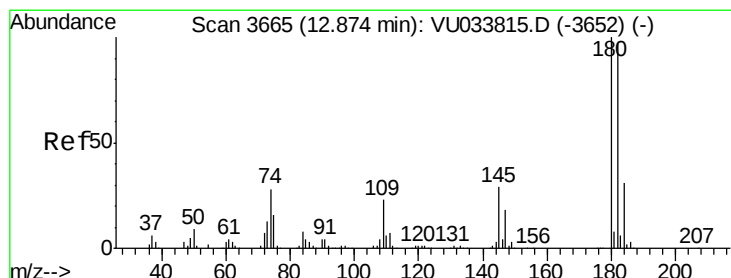
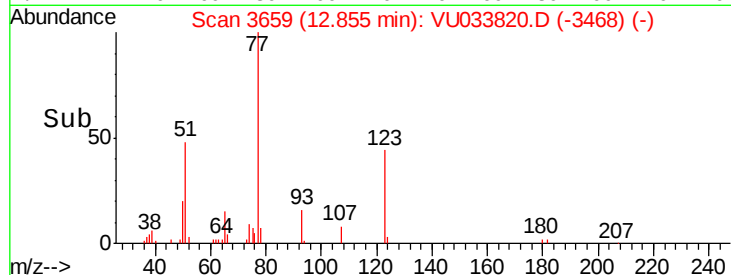
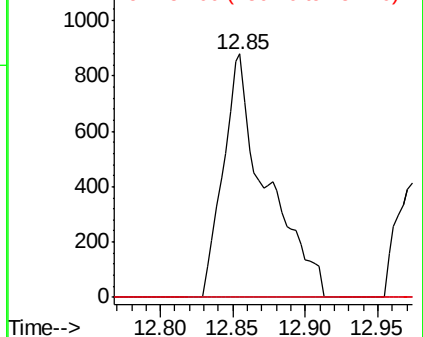
157 0.0 87.7 131.5#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V



#67

1,3,5-Trichlorobenzene

Concen: 18.203 ug/L

RT: 13.49 min Scan# 3857

Delta R.T. 0.62 min

Lab File: VU033820.D

Acq: 15 Aug 2019 19:19

Tgt Ion: 180 Resp: 79093

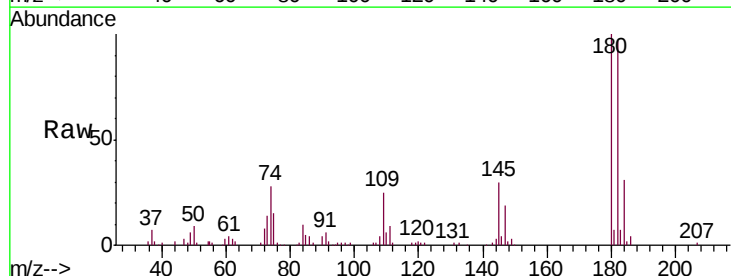
Ion Ratio Lower Upper

180 100

182 95.5 75.8 113.8

184 29.6 23.8 35.8

145 29.5 22.9 34.3

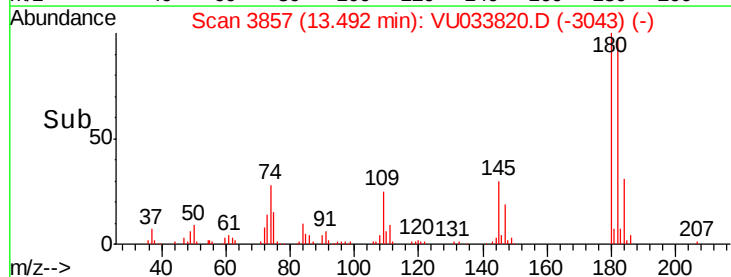
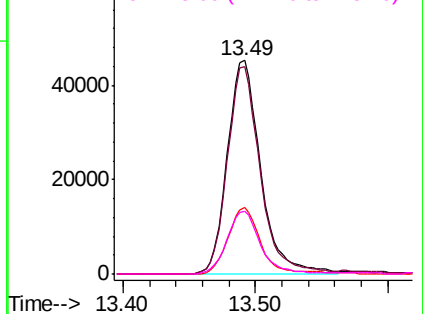


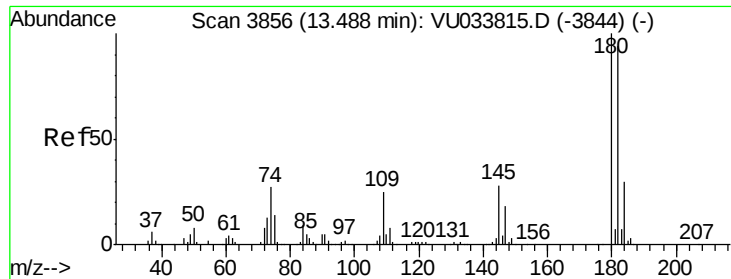
Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

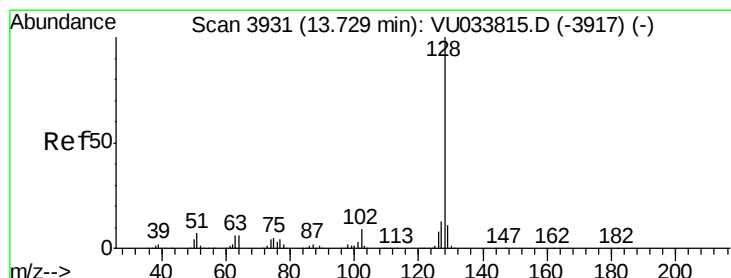
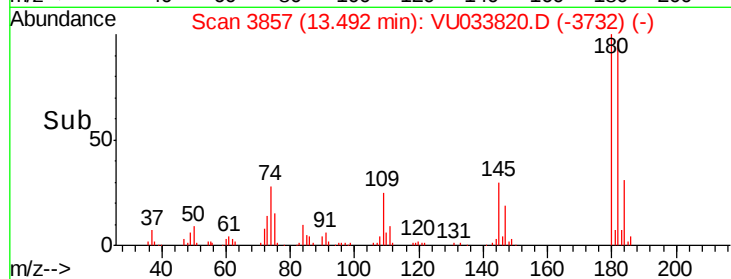
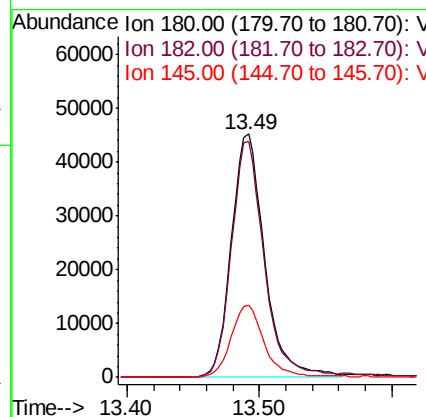
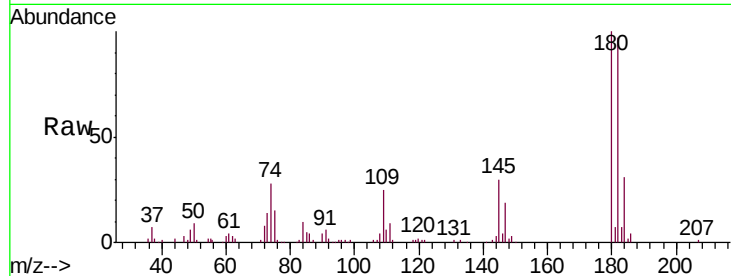




#68
 1,2,4-trichlorobenzene
 Concen: 22.231 ug/L
 RT: 13.49 min Scan# 3857
 Delta R.T. 0.00 min
 Lab File: VU033820.D
 Acq: 15 Aug 2019 19:19

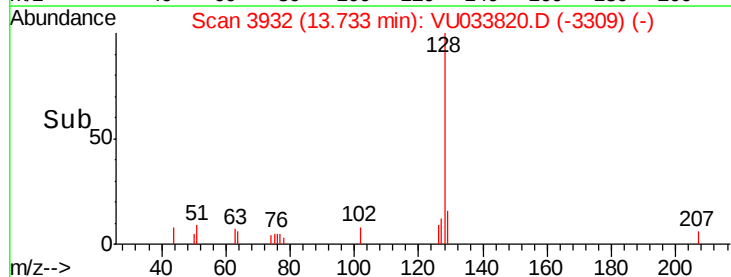
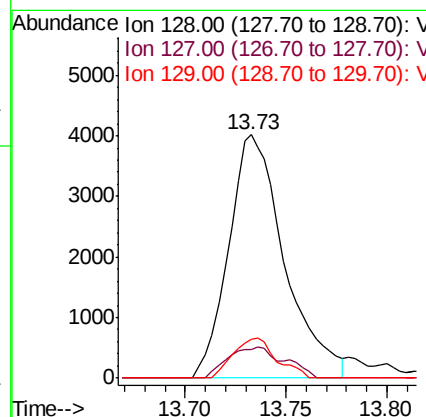
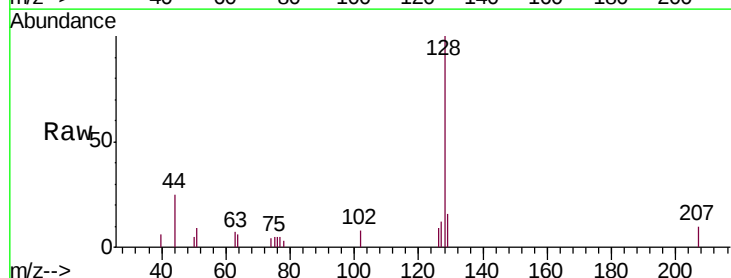
Instrument :
 MSVOA_U
 ClientSampleId :
 C0CD3

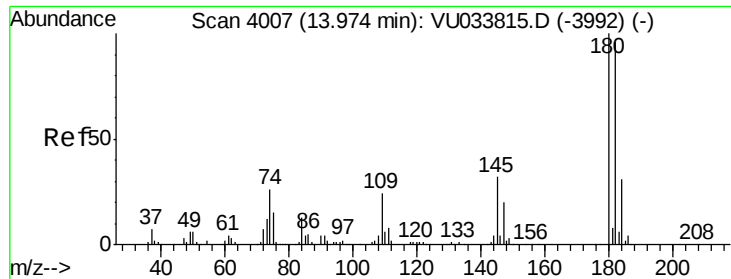
Tgt Ion:180 Resp: 79093
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.2 114.2
 145 29.5 23.8 35.8



#69
 Naphthalene
 Concen: 0.789 ug/L
 RT: 13.73 min Scan# 3932
 Delta R.T. 0.00 min
 Lab File: VU033820.D
 Acq: 15 Aug 2019 19:19

Tgt Ion:128 Resp: 7750
 Ion Ratio Lower Upper
 128 100
 127 10.9 10.7 16.1
 129 12.9 8.6 12.8#





#70
 1,2,3-Trichlorobenzene
 Concen: 17.884 ug/L
 RT: 13.97 min Scan# 4007
 Delta R.T. 0.00 min
 Lab File: VU033820.D
 Acq: 15 Aug 2019 19:19

Instrument :
 MSVOA_U
 ClientSampleId :
 C0CD3

Tgt Ion:	180	Resp:	66038
Ion	Ratio	Lower	Upper
180	100		
182	97.6	75.9	113.9
145	31.4	24.5	36.7

