

Data File : VU033218.D
Acq On : 12 Jul 2019 13:49
Operator : JC/SP
Sample : K3724-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB8T8

Quant Time: Jul 13 00:11:29 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	303096	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	295950	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	134372	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	128025	55.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	111.60%
7) Chloroethane-d5	1.67	69	110997	56.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	113.26%
11) 1,1-Dichloroethene-d2	2.26	63	162978	39.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.32%
21) 2-Butanone-d5	4.15	46	149183	102.62	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.62%
24) Chloroform-d	4.62	84	201316	52.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.72%
26) 1,2-Dichloroethane-d4	5.28	65	133636	54.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.38%
32) Benzene-d6	5.32	84	420415	57.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	115.82%
36) 1,2-Dichloropropane-d6	6.31	67	132881	57.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	114.28%
41) Toluene-d8	7.55	98	383294	55.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	111.96%
43) trans-1,3-Dichloropropene-	7.83	79	64384	56.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	112.92%
47) 2-Hexanone-d5	8.29	63	114595	109.30	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.30%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	189046	53.71	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.42%
64) 1,2-Dichlorobenzene-d4	11.85	152	139289	58.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	116.26%

Target Compounds

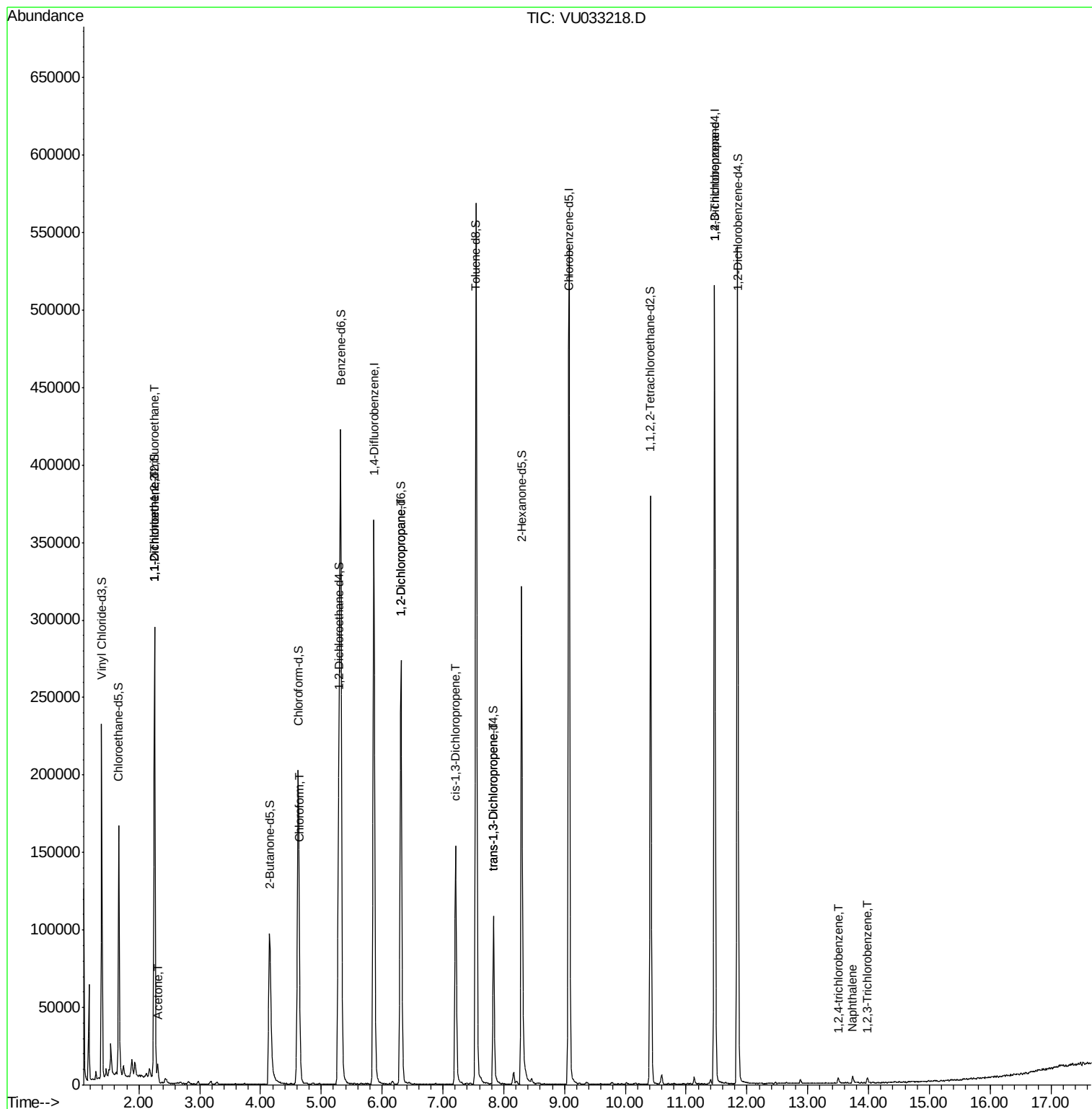
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.25	101	1428	0.691 ug/L #	21
12) 1,1-Dichloroethene	2.26	96	1613	0.797 ug/L #	1
13) Acetone	2.31	43	10535	5.800 ug/L	94
25) Chloroform	4.65	83	5585	1.307 ug/L	92
37) 1,2-Dichloropropane	6.31	63	14601	6.238 ug/L #	88
39) cis-1,3-Dichloropropene	7.21	75	4459	1.243 ug/L #	67
44) trans-1,3-Dichloropropene	7.83	75	2807	0.867 ug/L #	81
59) 1,2,3-Trichloropropane	11.47	75	16815	5.518 ug/L	91
68) 1,2,4-trichlorobenzene	13.50	180	1336	0.512 ug/L #	81
69) Naphthalene	13.74	128	5183	0.619 ug/L #	91
70) 1,2,3-Trichlorobenzene	13.98	180	1496	0.528 ug/L #	88

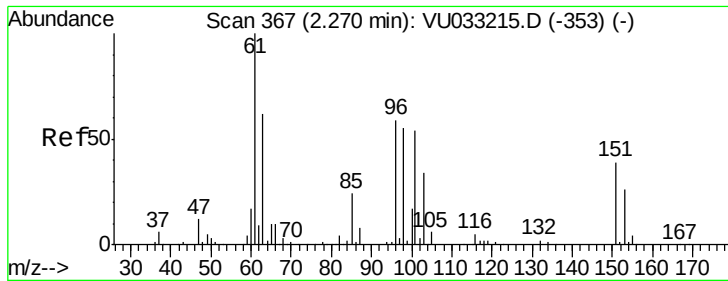
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.691 ug/L

RT: 2.25 min Scan# 362

Delta R.T. -0.02 min

Lab File: VU033218.D

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Instrument :

MSVOA_U

ClientSampleId :

DB8T8

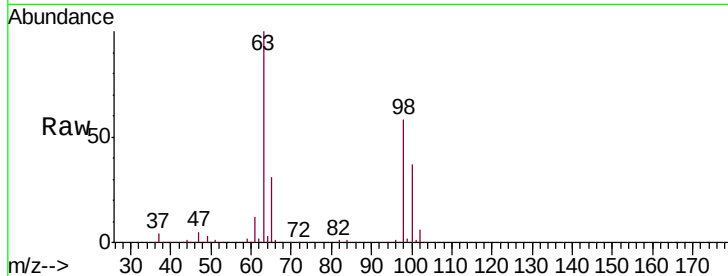
Tgt Ion: 101 Resp: 1428

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

1200

1000

800

600

400

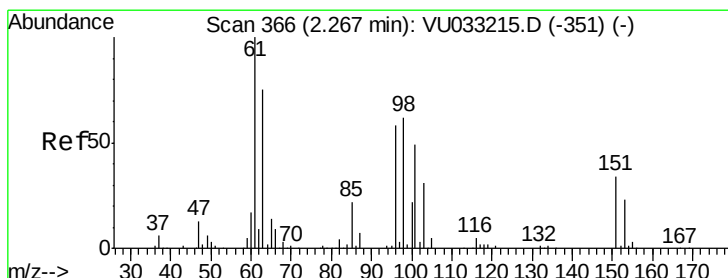
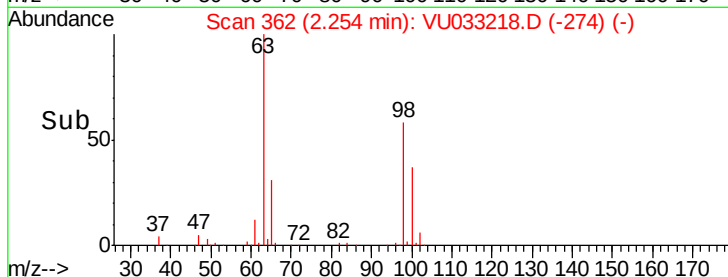
200

0

2.22 2.24 2.26 2.28 2.30

2.25

Time-->



#12

1,1-Dichloroethene

Concen: 0.797 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.01 min

Lab File: VU033218.D

Acq: 12 Jul 2019 13:49

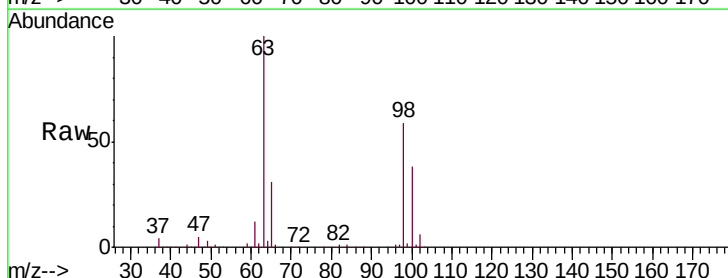
Tgt Ion: 96 Resp: 1613

Ion Ratio Lower Upper

96 100

61 1220.0 126.1 234.1#

63 9874.8 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

100000

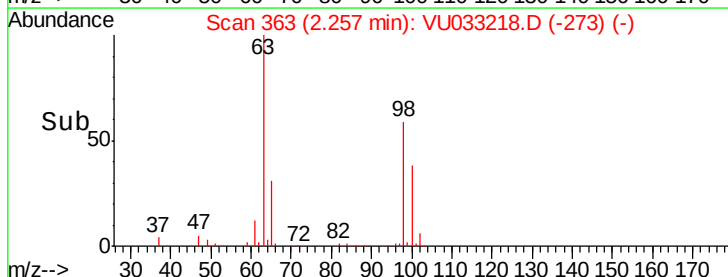
50000

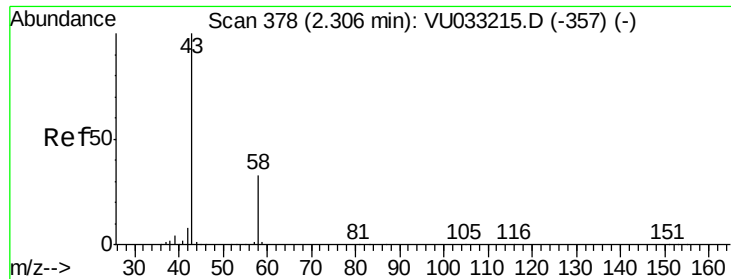
0

2.25 2.26 2.27 2.28 2.29 2.30

2.26

Time-->





#13

Acetone

Concen: 5.800 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VU033218.D

Acq: 12 Jul 2019 13:49

Instrument :

MSVOA_U

ClientSampleId :

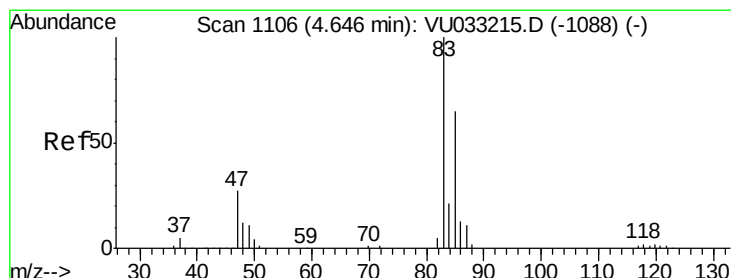
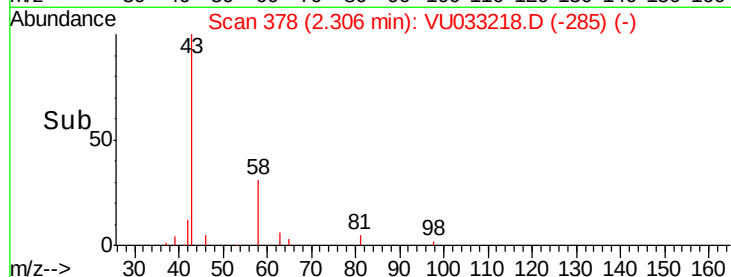
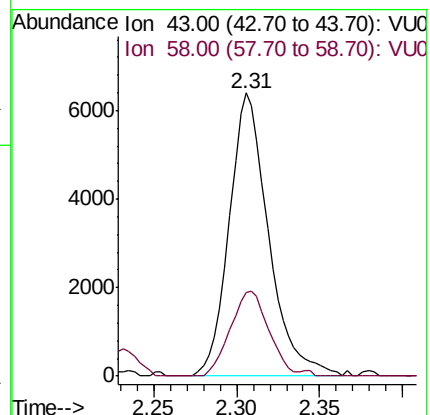
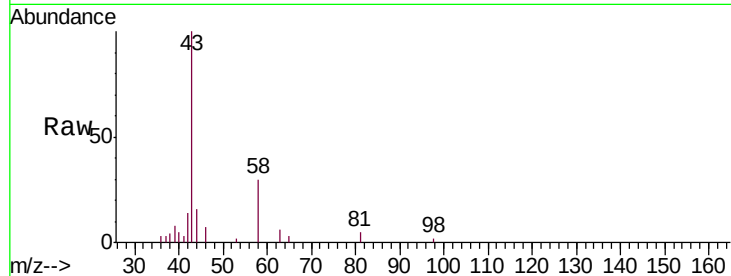
DB8T8

Tgt Ion: 43 Resp: 10535

Ion Ratio Lower Upper

43 100

58 29.1 0.0 65.4



#25

Chloroform

Concen: 1.307 ug/L

RT: 4.65 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VU033218.D

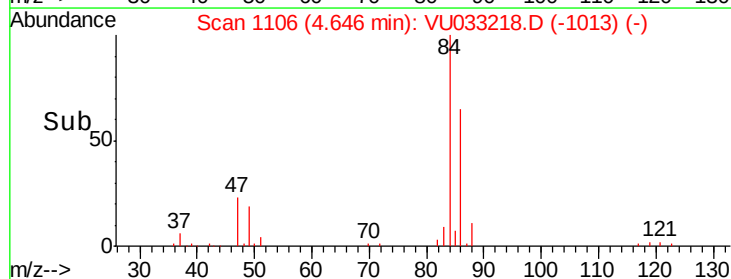
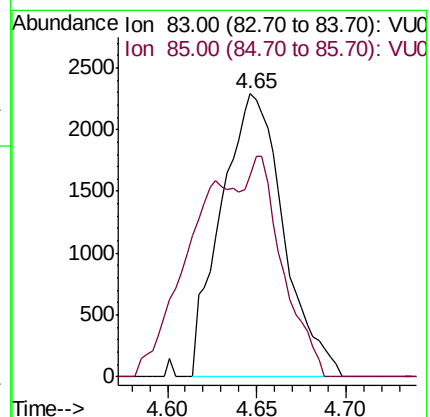
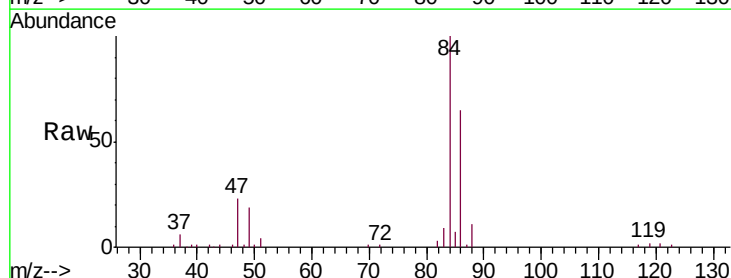
Acq: 12 Jul 2019 13:49

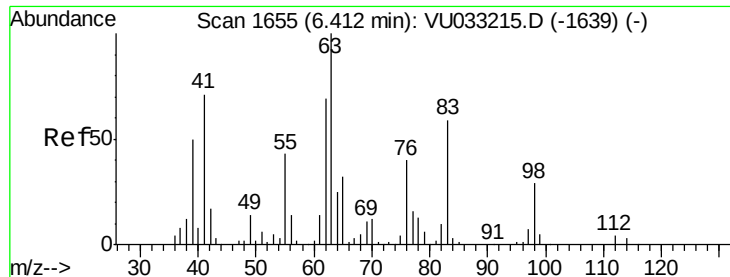
Tgt Ion: 83 Resp: 5585

Ion Ratio Lower Upper

83 100

85 71.2 45.4 84.4

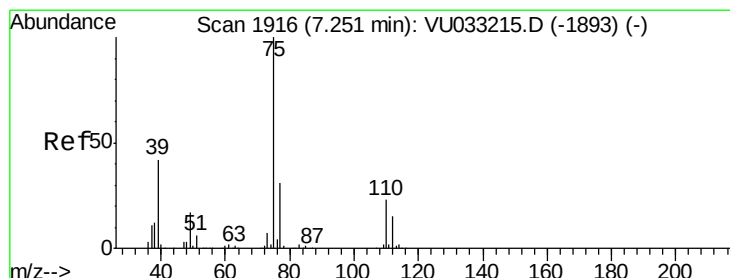
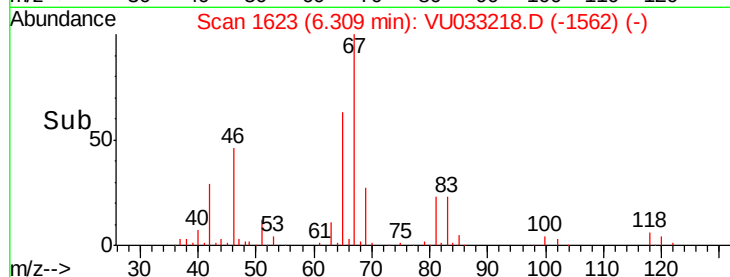
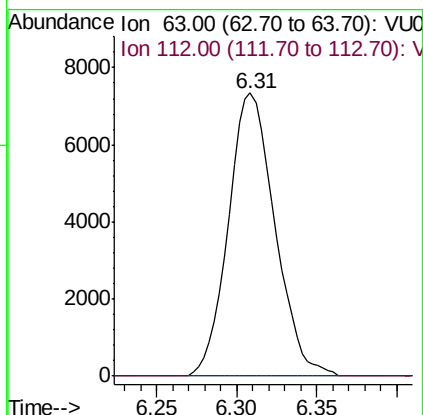
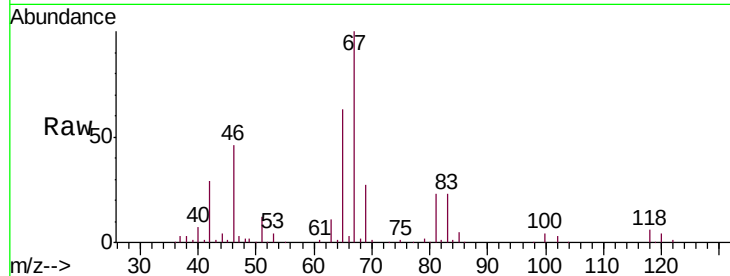




#37
 1,2-Dichloropropane
 Concen: 6.238 ug/L
 RT: 6.31 min Scan# 1623
 Delta R.T. -0.10 min
 Lab File: VU033218.D
 Acq: 12 Jul 2019 13:49

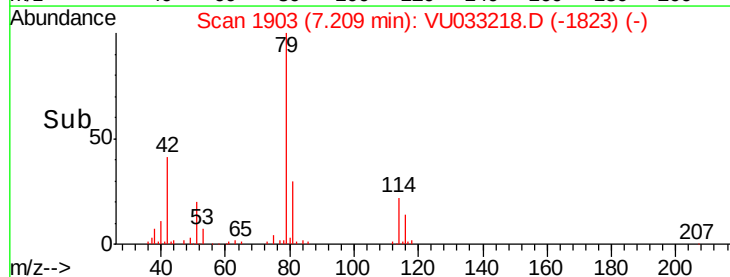
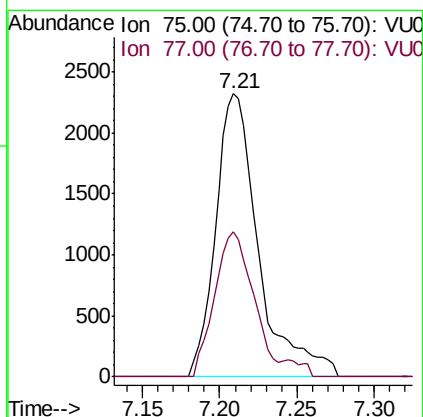
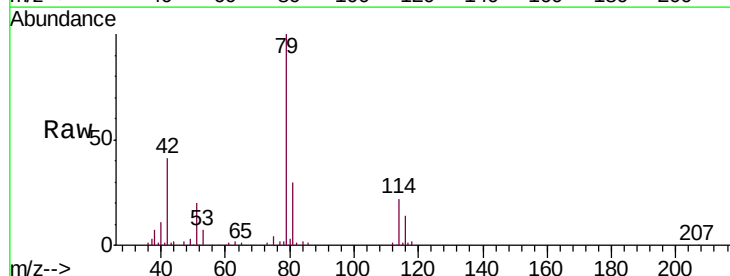
Instrument :
 MSVOA_U
 ClientSampleId :
 DB8T8

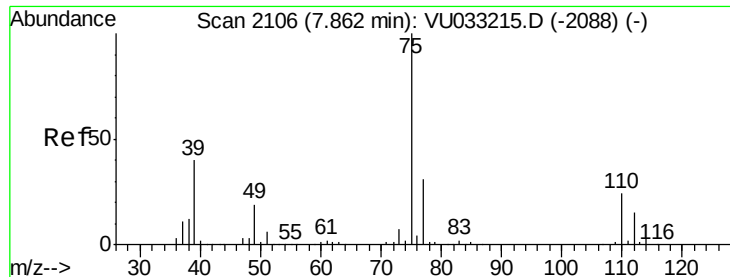
Tgt Ion: 63 Resp: 14601
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



#39
 cis-1,3-Dichloropropene
 Concen: 1.243 ug/L
 RT: 7.21 min Scan# 1903
 Delta R.T. -0.04 min
 Lab File: VU033218.D
 Acq: 12 Jul 2019 13:49

Tgt Ion: 75 Resp: 4459
 Ion Ratio Lower Upper
 75 100
 77 51.5 23.1 42.9#





#44

trans-1,3-Dichloropropene

Concen: 0.867 ug/L

RT: 7.83 min Scan# 2096

Delta R.T. -0.03 min

Lab File: VU033218.D

Acq: 12 Jul 2019 13:49

Instrument :

MSVOA_U

ClientSampleId :

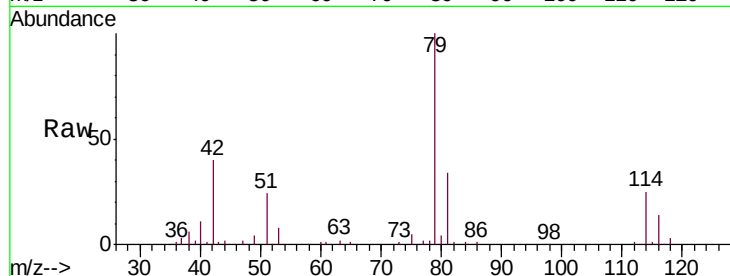
DB8T8

Tgt Ion: 75 Resp: 2807

Ion Ratio Lower Upper

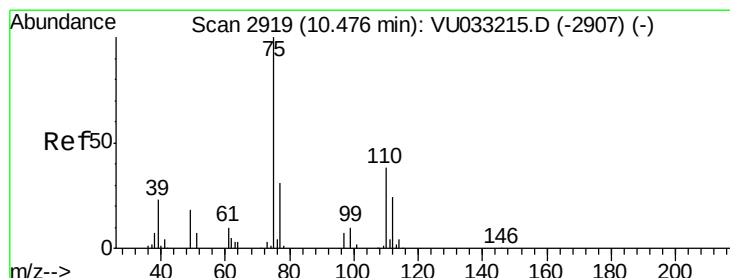
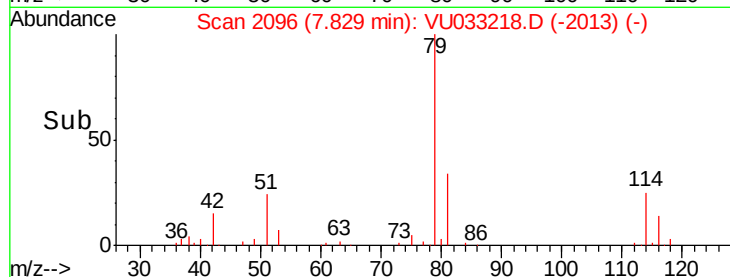
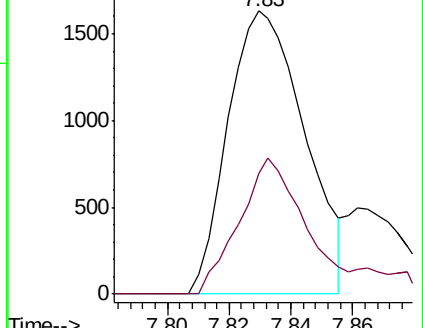
75 100

77 42.7 22.4 41.6#



Abundance Ion 75.00 (74.70 to 75.70): VU033215.D (-2088) (-)

Ion 77.00 (76.70 to 77.70): VU033215.D (-2088) (-)



#59

1,2,3-Trichloropropane

Concen: 5.518 ug/L

RT: 11.47 min Scan# 3228

Delta R.T. 0.99 min

Lab File: VU033218.D

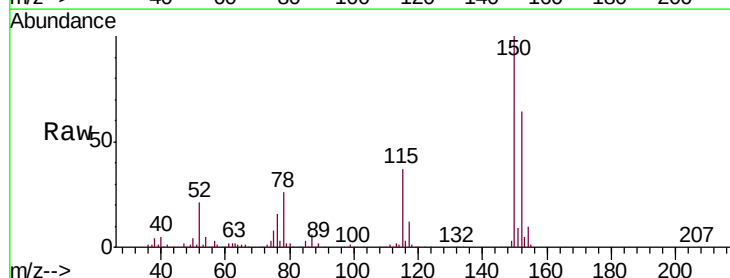
Acq: 12 Jul 2019 13:49

Tgt Ion: 75 Resp: 16815

Ion Ratio Lower Upper

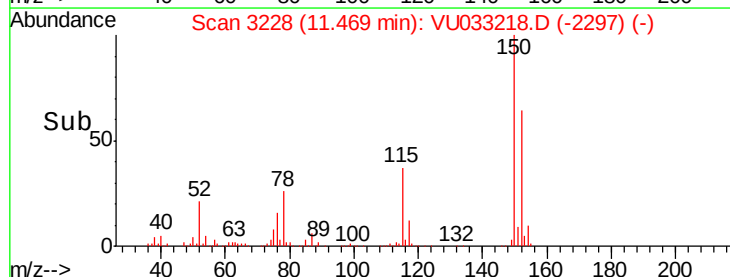
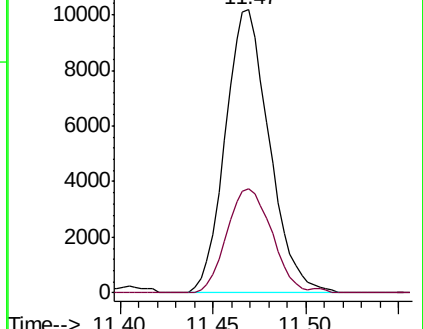
75 100

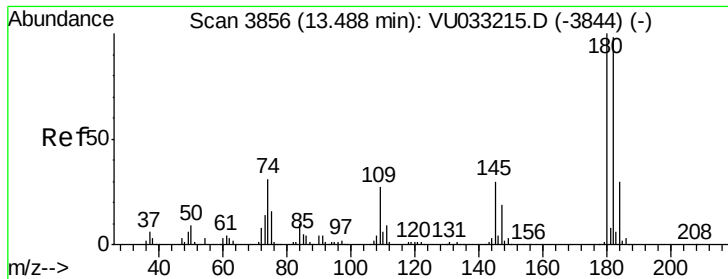
77 37.3 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VU033215.D (-2907) (-)

Ion 77.00 (76.70 to 77.70): VU033215.D (-2907) (-)

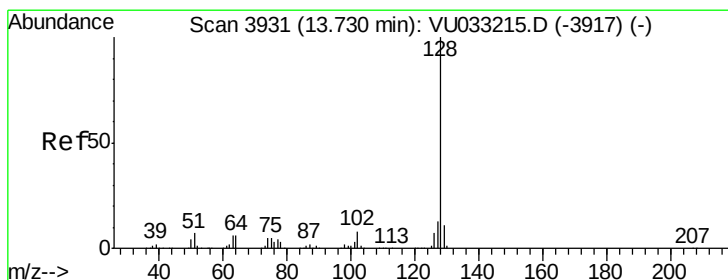
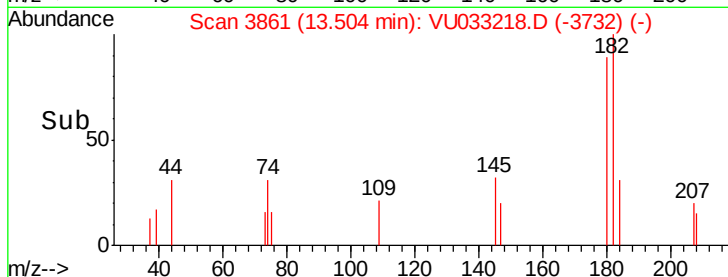
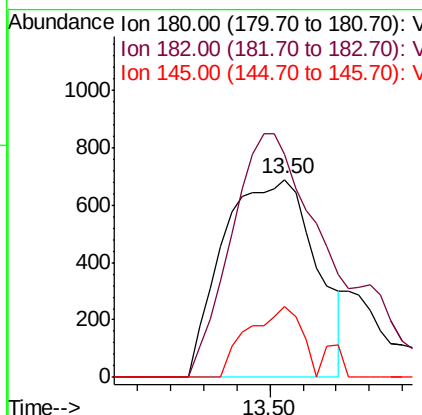
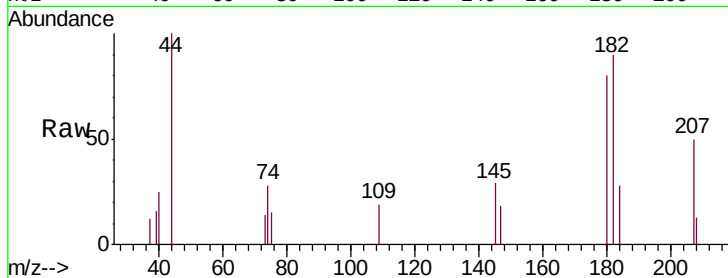




#68
 1,2,4-trichlorobenzene
 Concen: 0.512 ug/L
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.02 min
 Lab File: VU033218.D
 Acq: 12 Jul 2019 13:49

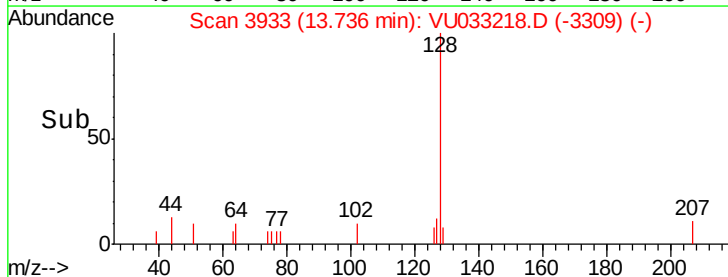
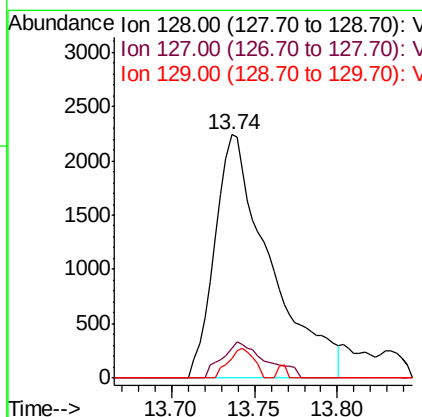
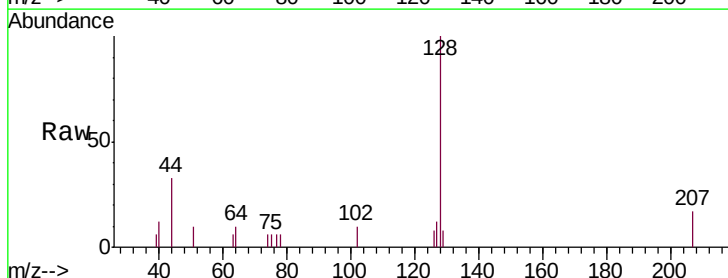
Instrument :
 MSVOA_U
 ClientSampled :
 DB8T8

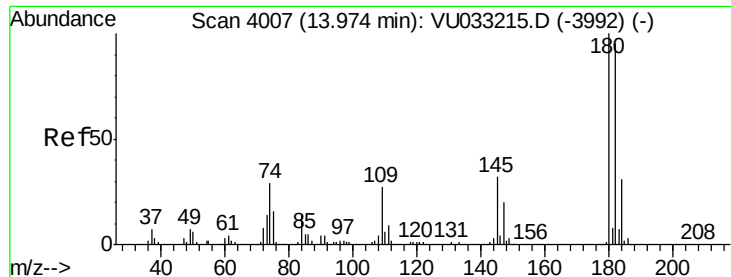
Tgt Ion:180 Resp: 1336
 Ion Ratio Lower Upper
 180 100
 182 114.8 76.5 114.7#
 145 20.5 24.6 36.8#



#69
 Naphthalene
 Concen: 0.619 ug/L
 RT: 13.74 min Scan# 3933
 Delta R.T. 0.01 min
 Lab File: VU033218.D
 Acq: 12 Jul 2019 13:49

Tgt Ion:128 Resp: 5183
 Ion Ratio Lower Upper
 128 100
 127 11.4 10.8 16.2
 129 5.6 8.7 13.1#





#70
 1,2,3-Trichlorobenzene
 Concen: 0.528 ug/L
 RT: 13.98 min Scan# 4010
 Delta R.T. 0.01 min
 Lab File: VU033218.D
 Acq: 12 Jul 2019 13:49

Instrument :
 MSVOA_U
 ClientSampleId :
 DB8T8

Tgt Ion:180 Resp: 1496
 Ion Ratio Lower Upper
 180 100
 182 84.7 77.4 116.2
 145 26.0 26.2 39.2#

