

Data File : VU033113.D
Acq On : 01 Jul 2019 14:21
Operator : JC/SP
Sample : K3599-02
Misc : 7.92g/10mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAM11

Quant Time: Jul 02 04:21:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 02 04:16:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.87	114	220634	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	219930	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	109672	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	55493	36.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.60%
7) Chloroethane-d5	1.70	69	54	0.04	ug/L	0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	0.08%#
11) 1,1-Dichloroethene-d2	2.22	63	97856	32.21	ug/L	-0.05
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.42%
21) 2-Butanone-d5	4.19	46	135298	107.81	ug/L	0.03
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.81%
24) Chloroform-d	4.63	84	138771	47.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.68%
26) 1,2-Dichloroethane-d4	5.30	65	101131	51.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.58%
32) Benzene-d6	5.32	84	264871	46.20	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.40%
36) 1,2-Dichloropropane-d6	6.32	67	87798	48.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.14%
41) Toluene-d8	7.56	98	237840	44.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.60%
43) trans-1,3-Dichloropropene-	7.85	79	42752	45.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.00%
47) 2-Hexanone-d5	8.32	63	83515	97.93	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.93%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	137951	48.86	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.72%
64) 1,2-Dichlorobenzene-d4	11.86	152	98881	46.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.18%

Target Compounds

					Qvalue
3) Chloromethane	1.32	50	1778	0.880 ug/L	97
6) Bromomethane	1.59	94	730	0.619 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.22	101	840	0.570 ug/L #	17
12) 1,1-Dichloroethene	2.22	96	765	0.551 ug/L #	1
13) Acetone	2.34	43	1346	0.776 ug/L	63
15) Methyl Acetate	2.63	43	1338	0.681 ug/L #	53
22) 2-Butanone	4.29	43	16995	9.459 ug/L	87
34) Trichloroethene	6.18	95	1018	0.601 ug/L	85
35) Methylcyclohexane	6.32	83	20081	7.674 ug/L #	18
37) 1,2-Dichloropropane	6.32	63	10919	6.283 ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	3250	1.200 ug/L	89
44) trans-1,3-Dichloropropene	7.85	75	2147	0.844 ug/L #	80
46) Tetrachloroethene	8.22	164	17281	12.458 ug/L	96
48) 2-Hexanone	8.32	43	11449	4.677 ug/L #	72
49) Dibromochloromethane	8.22	129	16881	8.657 ug/L #	12
59) 1,2,3-Trichloropropane	11.48	75	13761	5.933 ug/L #	86

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU070119\
Quantitation Report (Not Reviewed)

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 02 04:16:18 2019
Response via : Initial Calibration

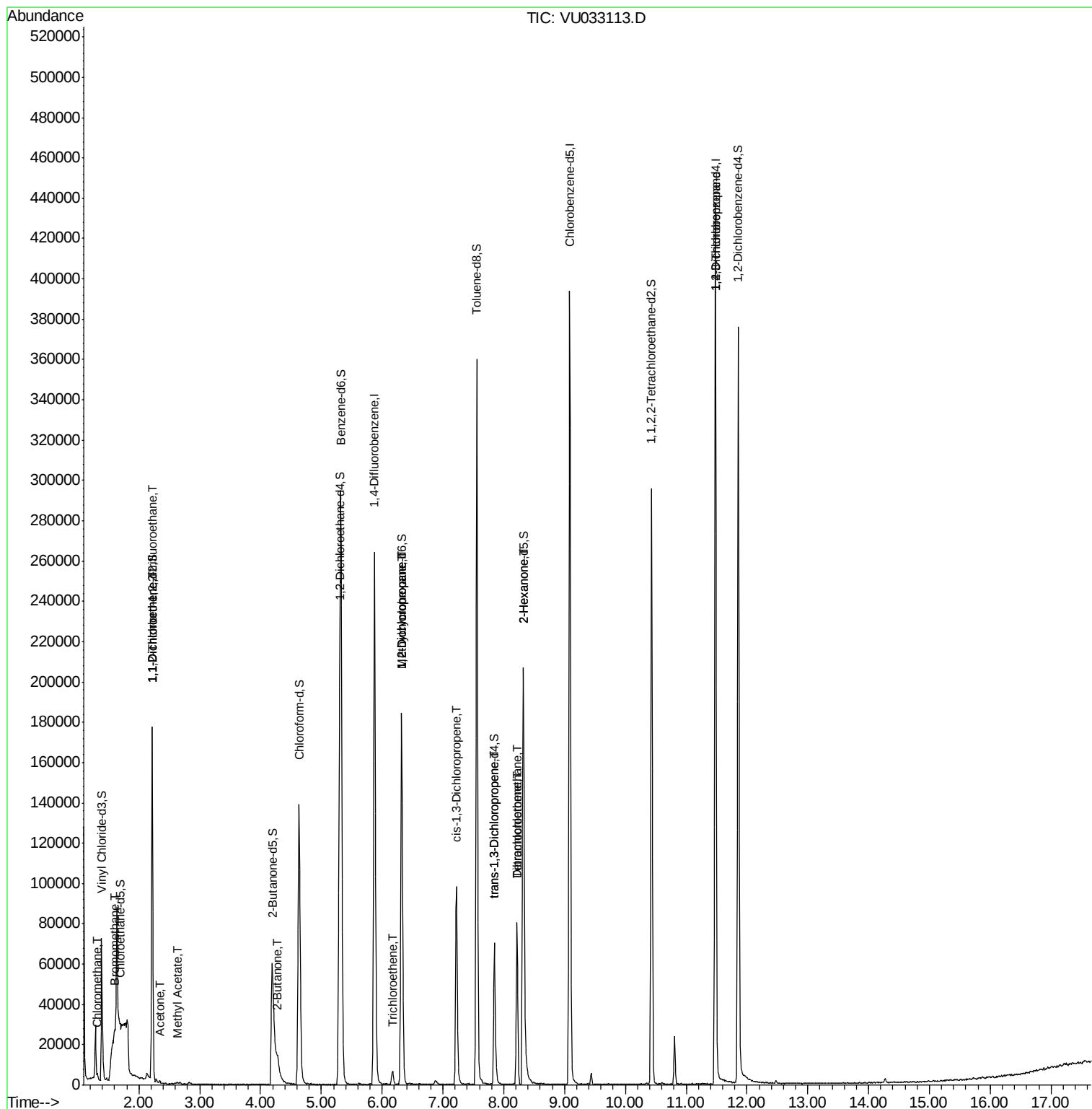
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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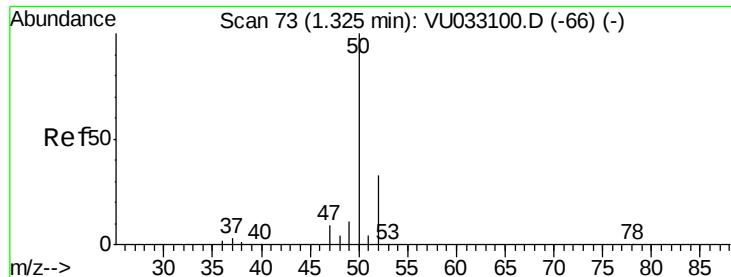
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 02 04:16:18 2019
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.880 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VU033113.D

Acq: 01 Jul 2019 14:21

Instrument :

MSVOA_U

ClientSampleId :

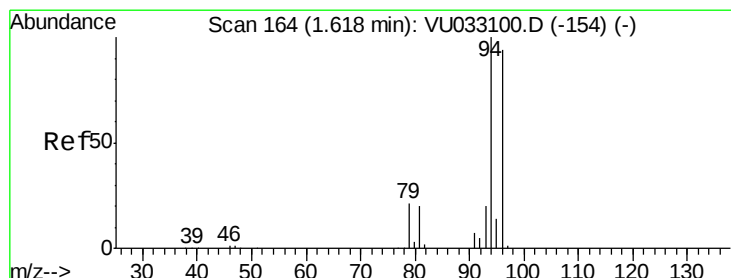
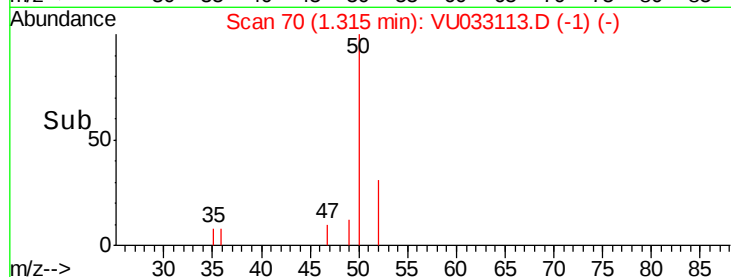
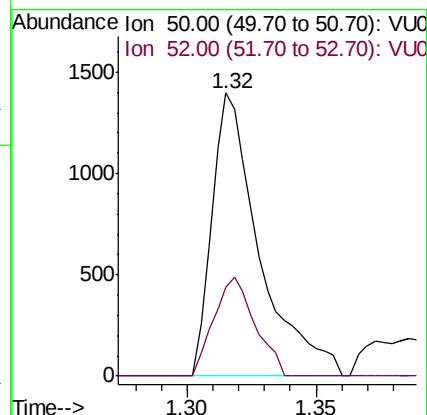
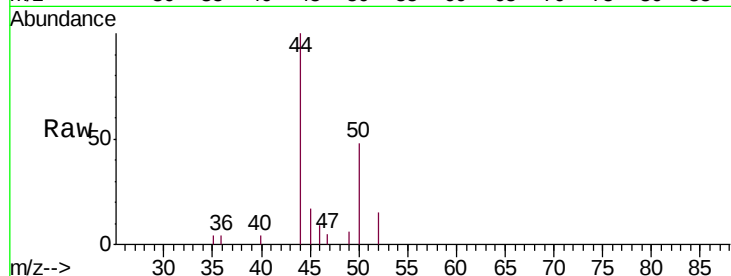
GAM11

Tgt Ion: 50 Resp: 1778

Ion Ratio Lower Upper

50 100

52 31.2 23.0 42.6



#6

Bromomethane

Concen: 0.619 ug/L

RT: 1.59 min Scan# 157

Delta R.T. -0.02 min

Lab File: VU033113.D

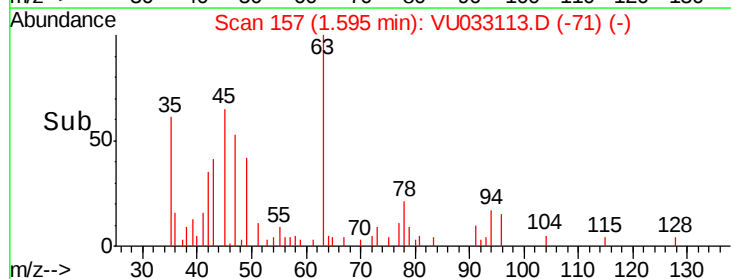
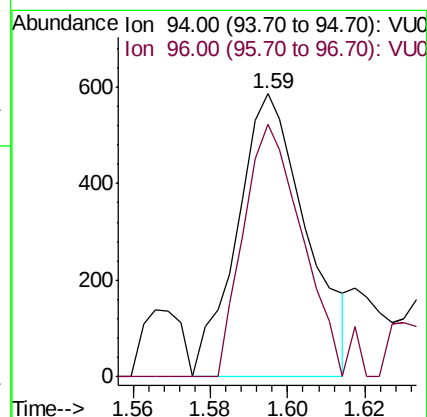
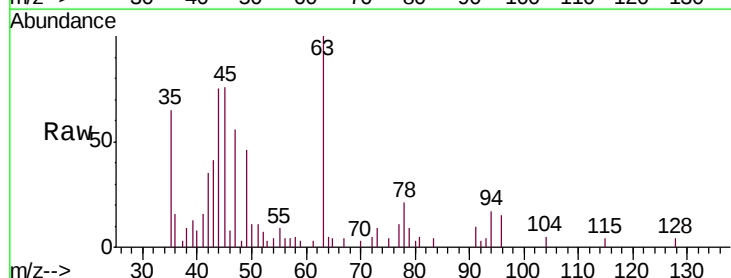
Acq: 01 Jul 2019 14:21

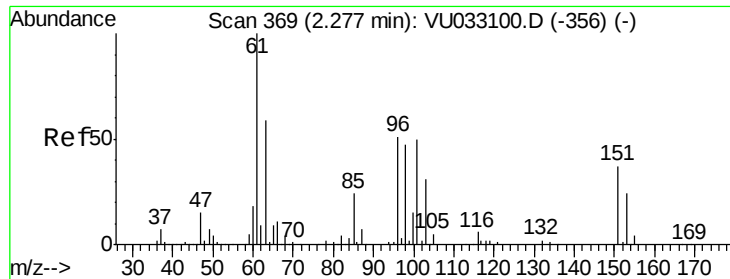
Tgt Ion: 94 Resp: 730

Ion Ratio Lower Upper

94 100

96 89.1 64.8 120.4





#10

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

Concen: 0.570 ug/L

RT: 2.22 min Scan# 351

Delta R.T. -0.06 min

Lab File: VU033113.D

Acq: 01 Jul 2019 14:21

Instrument :

MSVOA_U

ClientSampleId :

GAM11

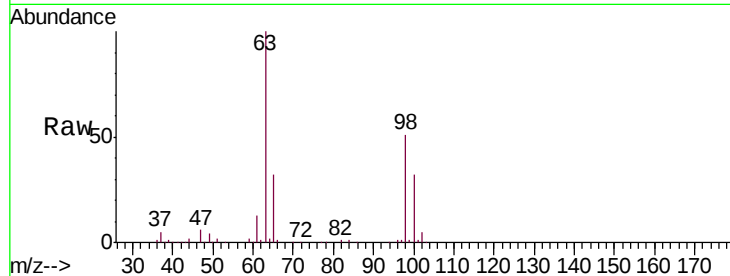
Tgt Ion: 101 Resp: 840

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

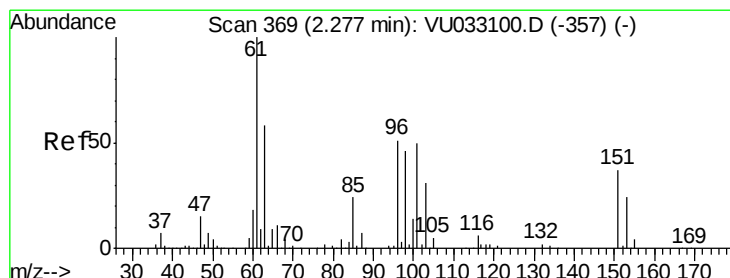
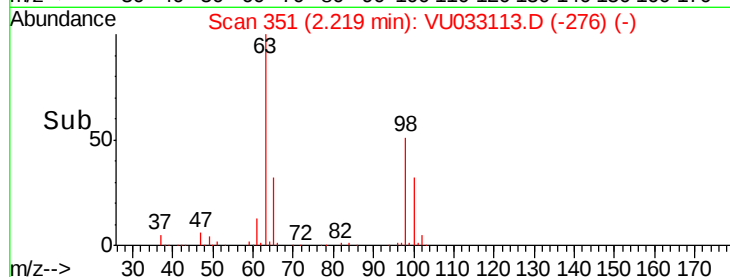
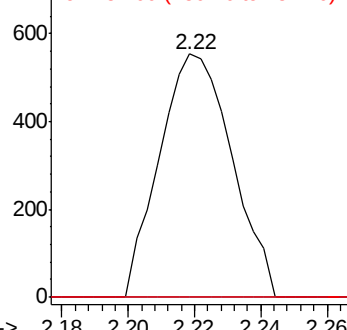
151 0.0 63.6 95.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VUC

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.551 ug/L

RT: 2.22 min Scan# 352

Delta R.T. -0.06 min

Lab File: VU033113.D

Acq: 01 Jul 2019 14:21

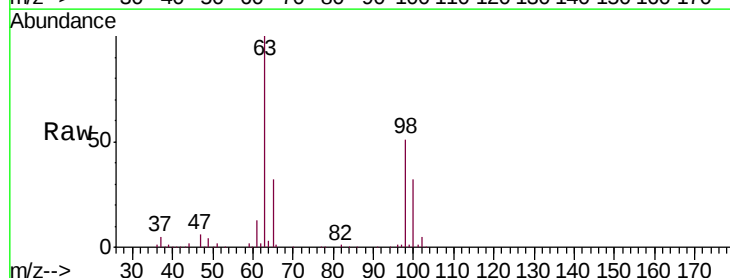
Tgt Ion: 96 Resp: 765

Ion Ratio Lower Upper

96 100

61 1449.1 131.0 243.4#

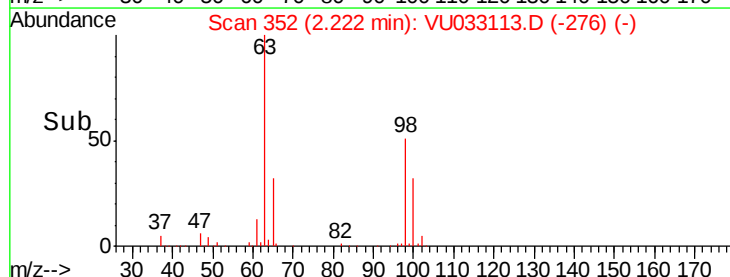
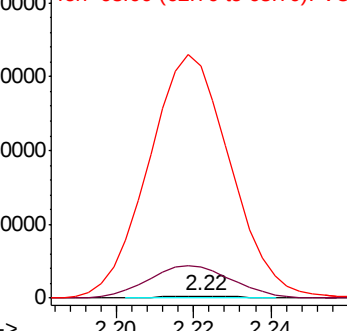
63 10844.1 101.0 187.6#

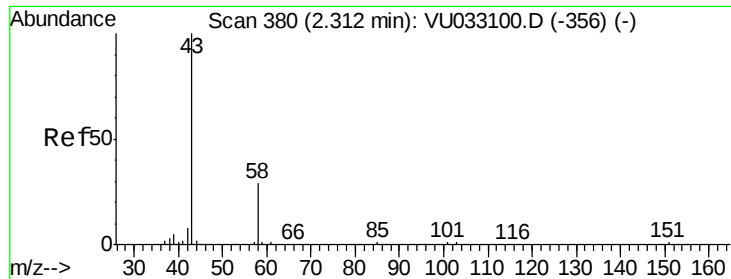


Abundance Ion 96.00 (95.70 to 96.70): VUC

Ion 61.00 (60.70 to 61.70): VUC

Ion 63.00 (62.70 to 63.70): VUC





#13

Acetone

Concen: 0.776 ug/L

RT: 2.34 min Scan# 390

Delta R.T. 0.03 min

Lab File: VU033113.D

Acq: 01 Jul 2019 14:21

Instrument :

MSVOA_U

ClientSampleId :

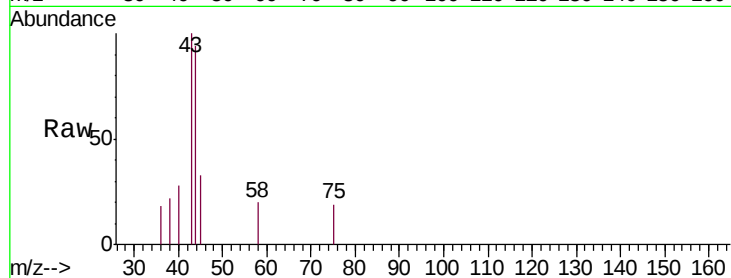
GAM11

Tgt Ion: 43 Resp: 1346

Ion Ratio Lower Upper

43 100

58 10.3 0.0 60.6



Abundance Ion 43.00 (42.70 to 43.70): VU033113.D (-356) (-)

Ion 58.00 (57.70 to 58.70): VU033113.D (-356) (-)

2.34

600

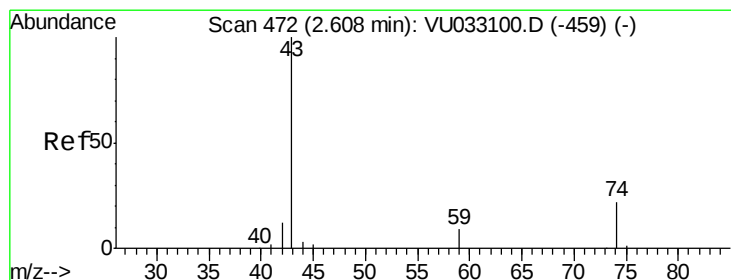
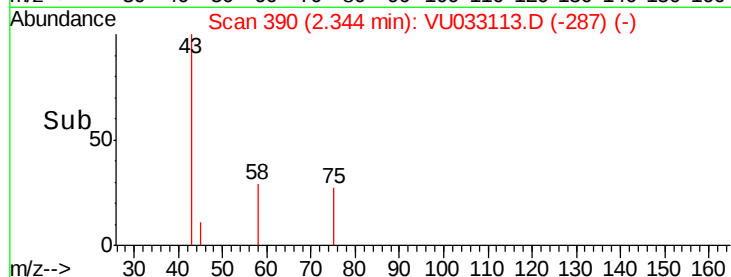
400

200

0

2.30 2.35 2.40

Time-->



#15

Methyl Acetate

Concen: 0.681 ug/L

RT: 2.63 min Scan# 479

Delta R.T. 0.02 min

Lab File: VU033113.D

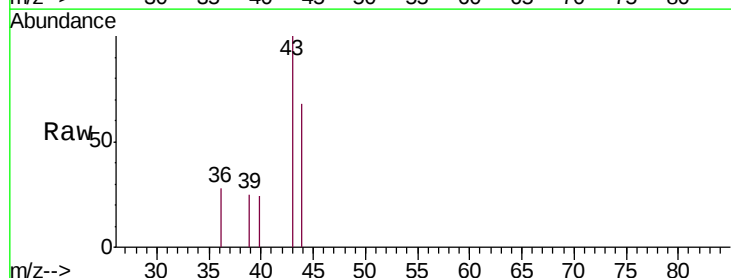
Acq: 01 Jul 2019 14:21

Tgt Ion: 43 Resp: 1338

Ion Ratio Lower Upper

43 100

74 0.0 18.1 27.1#



Abundance Ion 43.00 (42.70 to 43.70): VU033113.D (-379) (-)

Ion 74.00 (73.70 to 74.70): VU033113.D (-379) (-)

2.63

600

500

400

300

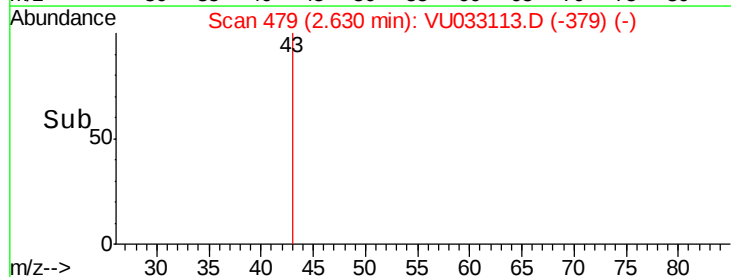
200

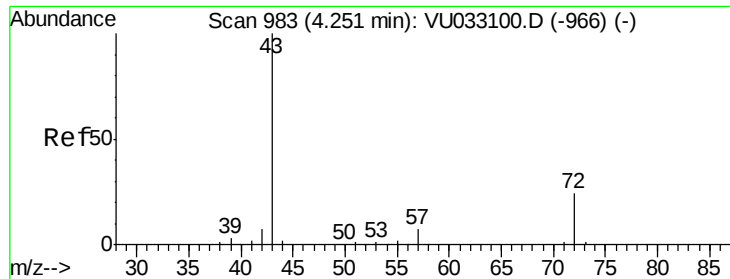
100

0

2.60 2.65

Time-->





#22

2-Butanone

Concen: 9.459 ug/L

RT: 4.29 min Scan# 995

Delta R.T. 0.04 min

Lab File: VU033113.D

Acq: 01 Jul 2019 14:21

Instrument :

MSVOA_U

ClientSampled :

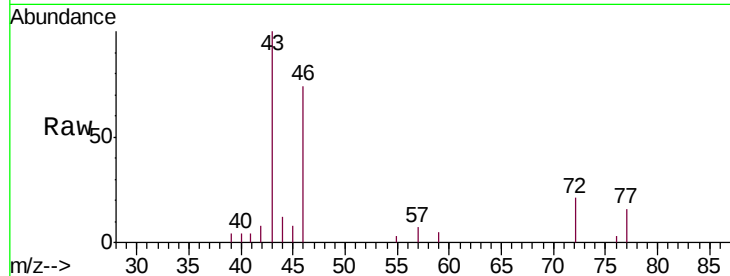
GAM11

Tgt Ion: 43 Resp: 16995

Ion Ratio Lower Upper

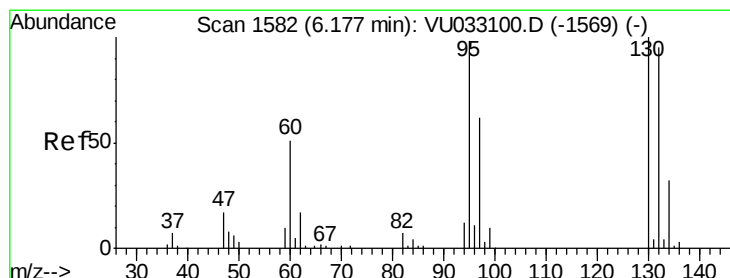
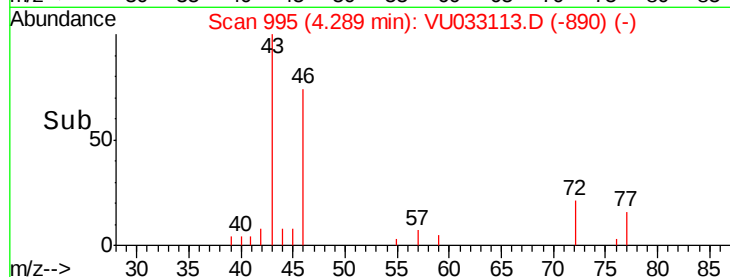
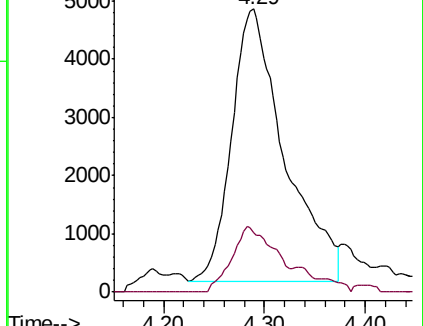
43 100

72 19.2 12.9 38.6



Abundance Ion 43.00 (42.70 to 43.70): VU033113.D (-995) (-)

Ion 72.00 (71.70 to 72.70): VU033113.D (-995) (-)



#34

Trichloroethene

Concen: 0.601 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU033113.D

Acq: 01 Jul 2019 14:21

Tgt Ion: 95 Resp: 1018

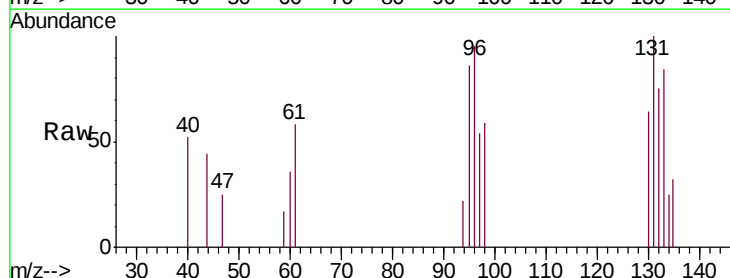
Ion Ratio Lower Upper

95 100

97 62.3 45.9 85.3

132 87.6 68.5 127.3

130 74.6 70.8 131.4

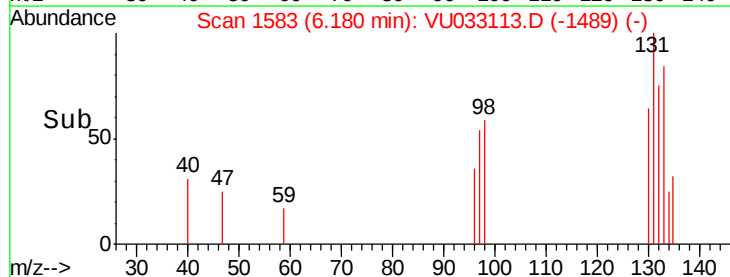
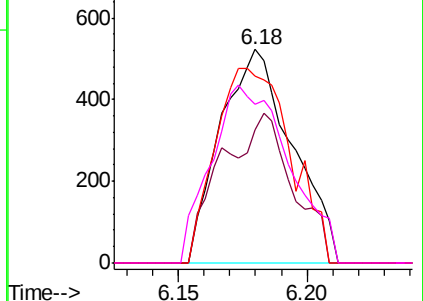


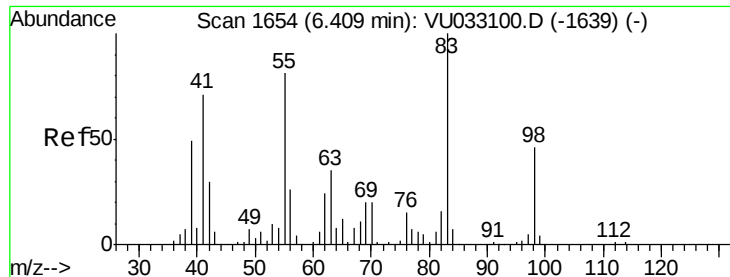
Abundance Ion 95.00 (94.70 to 95.70): VU033113.D (-1583) (-)

Ion 97.00 (96.70 to 97.70): VU033113.D (-1583) (-)

Ion 132.00 (131.70 to 132.70): VU033113.D (-1583) (-)

Ion 130.00 (129.70 to 130.70): VU033113.D (-1583) (-)

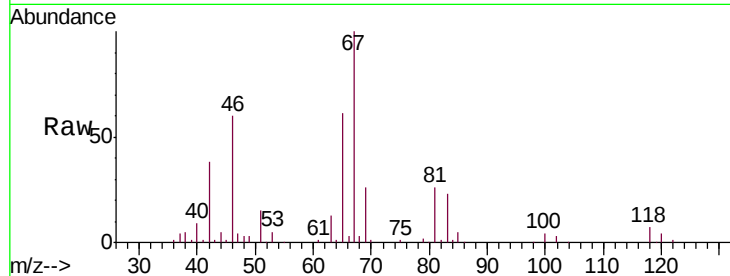




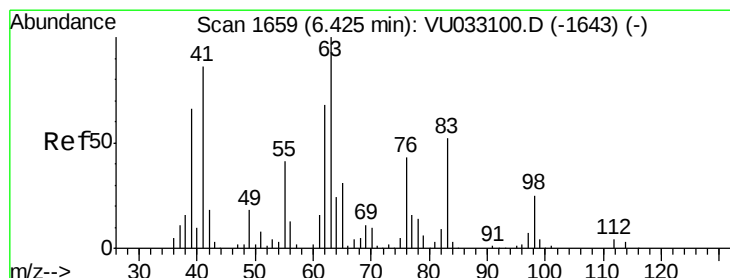
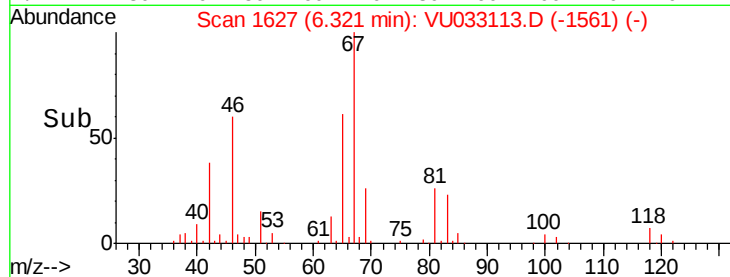
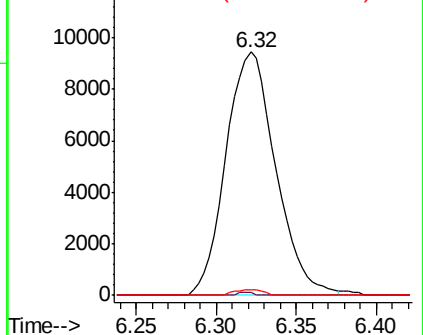
#35
Methylcyclohexane
Concen: 7.674 ug/L
RT: 6.32 min Scan# 1627
Delta R.T. -0.09 min
Lab File: VU033113.D
Acq: 01 Jul 2019 14:21

Instrument :
MSVOA_U
ClientSampleId :
GAM11

Tgt Ion: 83 Resp: 20081
Ion Ratio Lower Upper
83 100
55 0.3 62.6 94.0#
98 1.3 37.4 56.0#

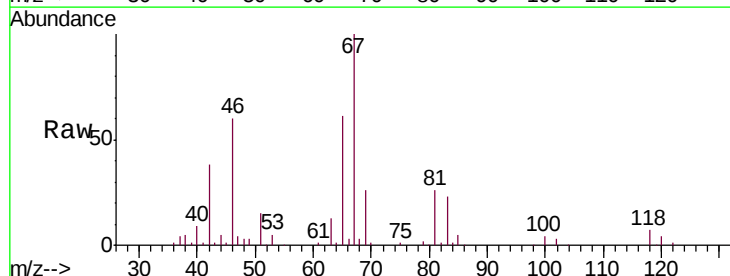


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

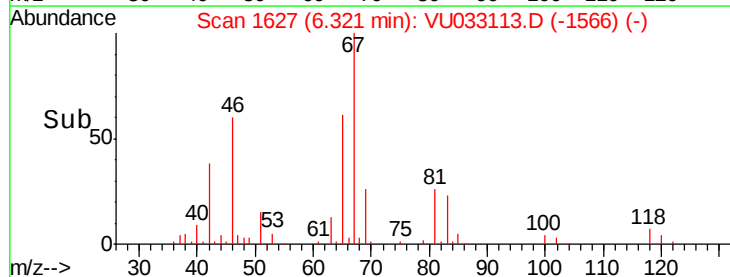
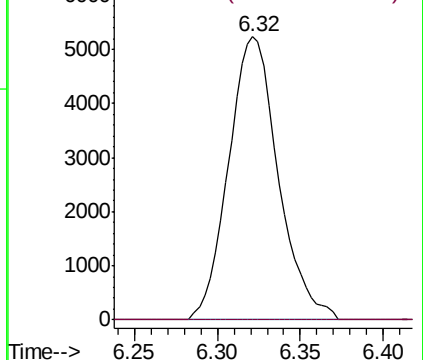


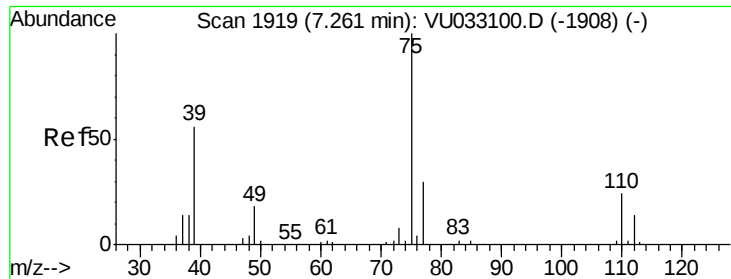
#37
1,2-Dichloropropane
Concen: 6.283 ug/L
RT: 6.32 min Scan# 1627
Delta R.T. -0.10 min
Lab File: VU033113.D
Acq: 01 Jul 2019 14:21

Tgt Ion: 63 Resp: 10919
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 112.00 (111.70 to 112.70): V

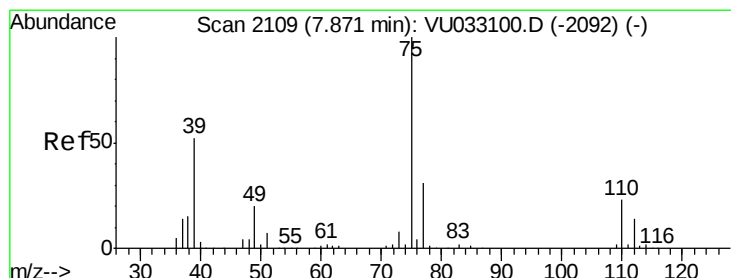
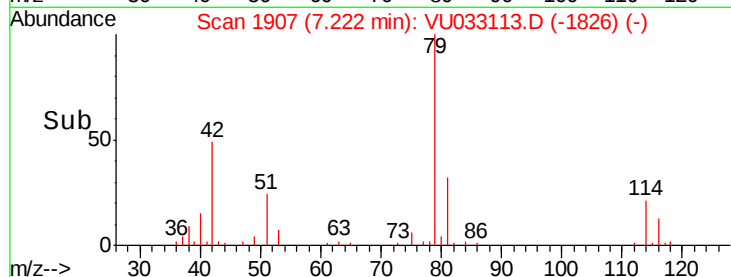
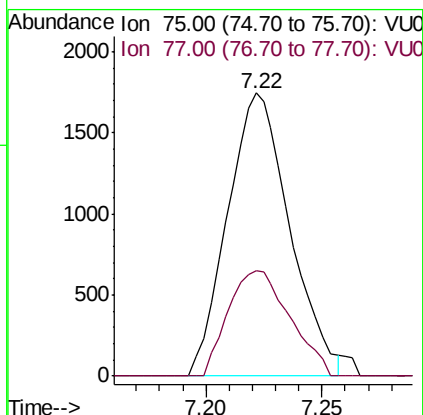
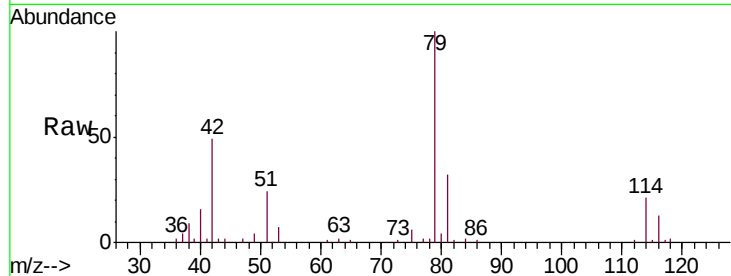




#39
 cis-1,3-Dichloropropene
 Concen: 1.200 ug/L
 RT: 7.22 min Scan# 1907
 Delta R.T. -0.04 min
 Lab File: VU033113.D
 Acq: 01 Jul 2019 14:21

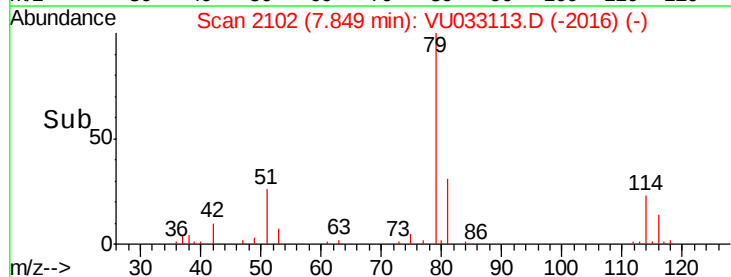
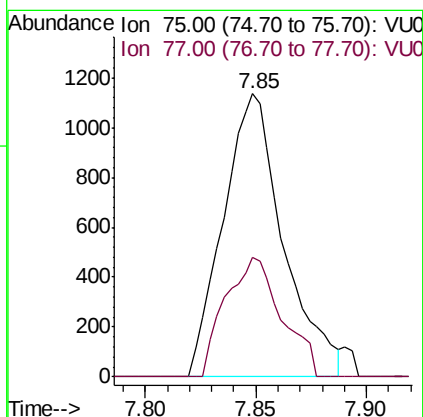
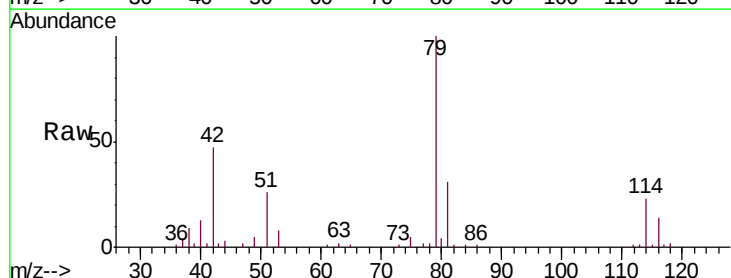
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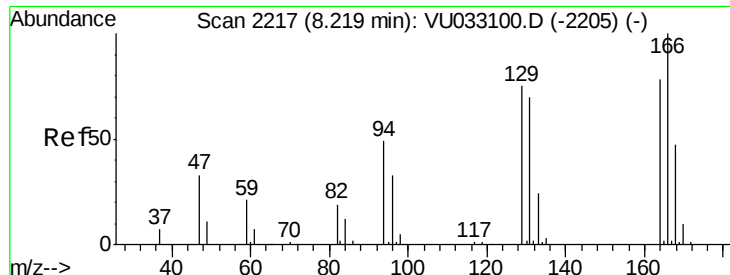
Tgt Ion: 75 Resp: 3250
 Ion Ratio Lower Upper
 75 100
 77 37.3 21.9 40.7



#44
 trans-1,3-Dichloropropene
 Concen: 0.844 ug/L
 RT: 7.85 min Scan# 2102
 Delta R.T. -0.02 min
 Lab File: VU033113.D
 Acq: 01 Jul 2019 14:21

Tgt Ion: 75 Resp: 2147
 Ion Ratio Lower Upper
 75 100
 77 42.0 21.8 40.4#





#46

Tetrachloroethene

Concen: 12.458 ug/L

RT: 8.22 min Scan# 2217

Delta R.T. -0.00 min

Lab File: VU033113.D

Acq: 01 Jul 2019 14:21

Instrument :

MSVOA_U

ClientSampleId :

GAM11

Tgt Ion:164 Resp: 17281

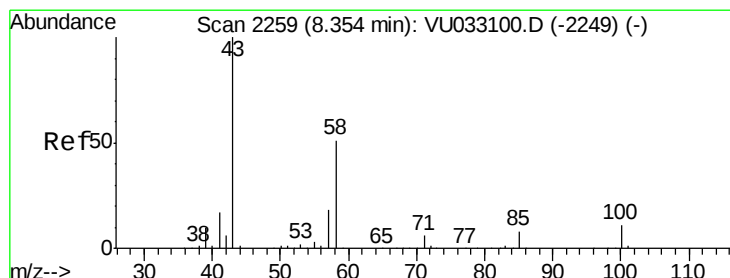
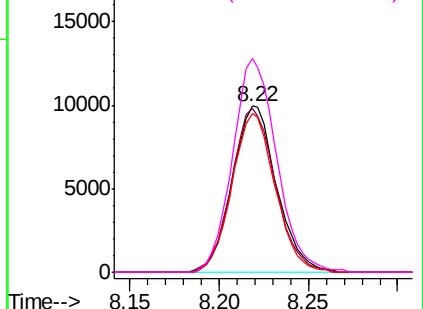
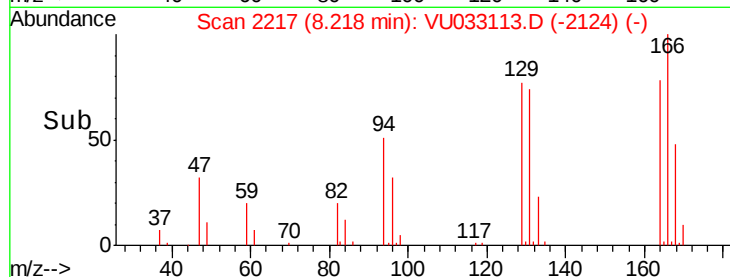
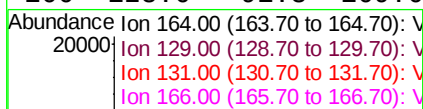
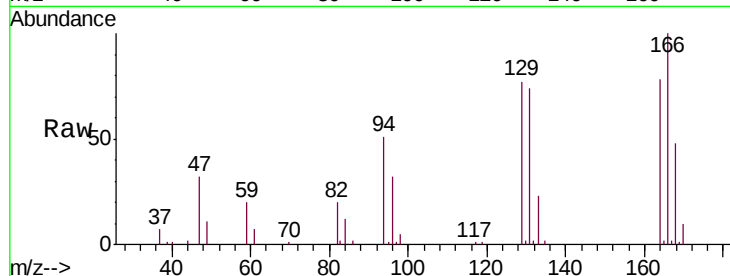
Ion Ratio Lower Upper

164 100

129 98.6 64.8 120.3

131 95.6 64.5 119.7

166 128.6 91.3 169.6



#48

2-Hexanone

Concen: 4.677 ug/L

RT: 8.32 min Scan# 2248

Delta R.T. -0.04 min

Lab File: VU033113.D

Acq: 01 Jul 2019 14:21

Tgt Ion: 43 Resp: 11449

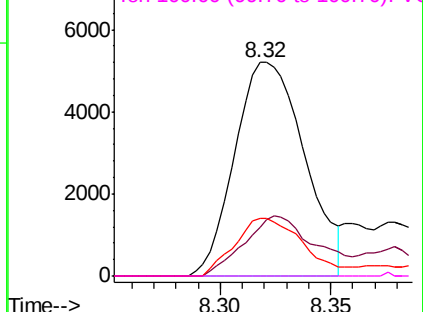
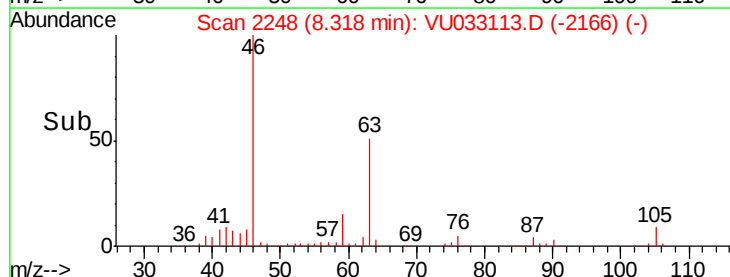
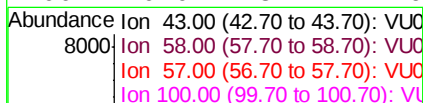
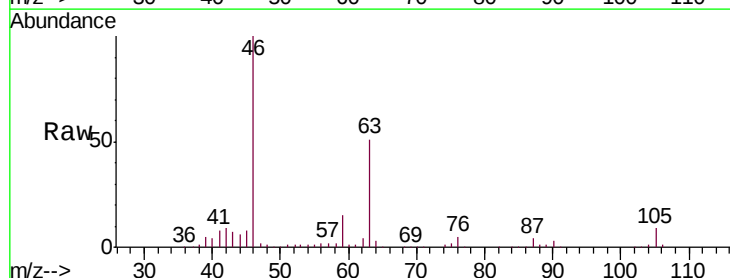
Ion Ratio Lower Upper

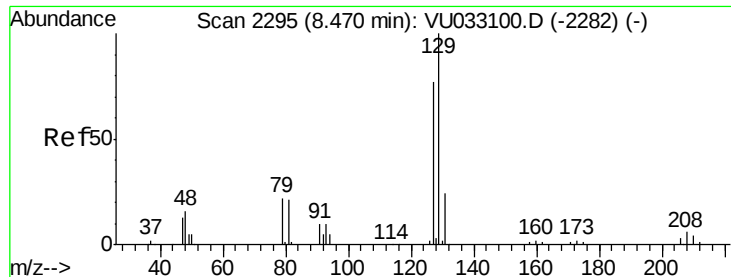
43 100

58 28.9 40.2 60.2#

57 26.2 14.2 21.4#

100 0.0 8.4 12.6#





#49

Dibromochloromethane

Concen: 8.657 ug/L

RT: 8.22 min Scan# 2217

Delta R.T. -0.25 min

Lab File: VU033113.D

Acq: 01 Jul 2019 14:21

Instrument :

MSVOA_U

ClientSampleId :

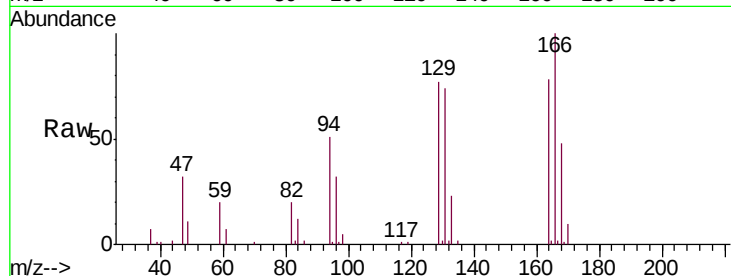
GAM11

Tgt Ion:129 Resp: 16881

Ion Ratio Lower Upper

129 100

127 0.0 52.3 97.1#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.22

10000

8000

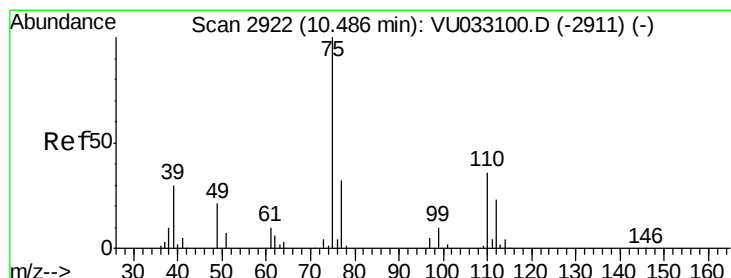
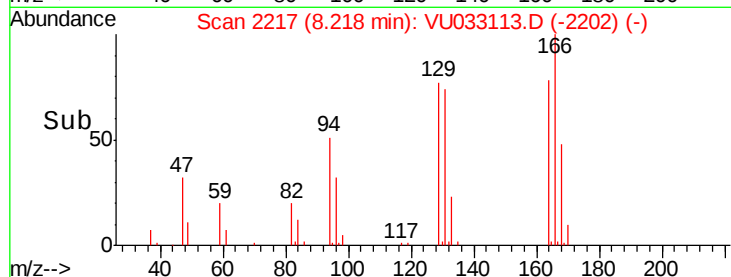
6000

4000

2000

0

Time--> 8.15 8.20 8.25



#59

1,2,3-Trichloropropane

Concen: 5.933 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 1.00 min

Lab File: VU033113.D

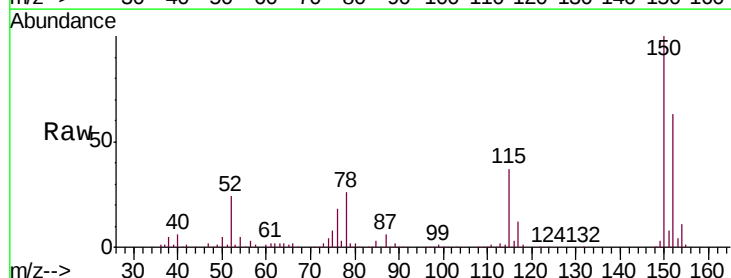
Acq: 01 Jul 2019 14:21

Tgt Ion: 75 Resp: 13761

Ion Ratio Lower Upper

75 100

77 39.7 25.5 38.3#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.48

10000

8000

6000

4000

2000

0

Time--> 11.45 11.50

