

Data File : VU033317.D
Acq On : 18 Jul 2019 14:23
Operator : JC/SP
Sample : K3831-04
Misc : 12.78g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAMR1

Quant Time: Jul 19 01:48:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 19 01:43:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	362838	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	364585	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	209238	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	117738	42.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.74%
7) Chloroethane-d5	1.63	69	86124	36.70	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	73.40%
11) 1,1-Dichloroethene-d2	2.22	63	207634	41.68	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.36%
21) 2-Butanone-d5	4.17	46	184418	105.97	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.97%
24) Chloroform-d	4.62	84	218233	47.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.82%
26) 1,2-Dichloroethane-d4	5.28	65	145224	49.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.38%
32) Benzene-d6	5.31	84	463320	51.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.60%
36) 1,2-Dichloropropane-d6	6.31	67	143910	50.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.46%
41) Toluene-d8	7.55	98	452854	53.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.38%
43) trans-1,3-Dichloropropene-	7.83	79	76730	54.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.24%
47) 2-Hexanone-d5	8.31	63	156616	121.26	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	121.26%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	238575	55.02	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	110.04%
64) 1,2-Dichlorobenzene-d4	11.85	152	198399	53.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.34%

Target Compounds

					Qvalue
6) Bromomethane	1.59	94	1530	0.599 ug/L	85
10) 1,1,2-Trichloro-1,2,2-trif	2.22	101	1841	0.744 ug/L #	21
12) 1,1-Dichloroethene	2.22	96	1718	0.709 ug/L #	1
13) Acetone	2.33	43	3580	1.646 ug/L	95
16) Methylene chloride	2.67	84	3750	1.356 ug/L #	34
25) Chloroform	4.69	83	21291	4.161 ug/L #	28
29) Cyclohexane	4.95	56	83312	20.971 ug/L #	63
35) Methylcyclohexane	6.39	83	200761	47.132 ug/L	91
38) Bromodichloromethane	6.68	83	2440	0.656 ug/L #	82
40) 4-Methyl-2-pentanone	7.50	43	20663	5.342 ug/L #	53
44) trans-1,3-Dichloropropene	7.83	75	3479	0.873 ug/L #	1
45) 1,1,2-Trichloroethane	8.03	97	45808	16.798 ug/L #	21
48) 2-Hexanone	8.31	43	109476	34.740 ug/L #	27
52) Ethylbenzene	9.24	91	62872	5.126 ug/L	98
53) m,p-Xylene	9.36	106	48868	10.518 ug/L	100
56) Isopropylbenzene	10.15	105	40087	3.377 ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.44	83	3926	0.820 ug/L	89

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071819\
Quantitation Report (Not Reviewed)

Data File : VU033317.D
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GAMR1

Quant Time: Jul 19 01:48:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 19 01:43:14 2019
Response via : Initial Calibration

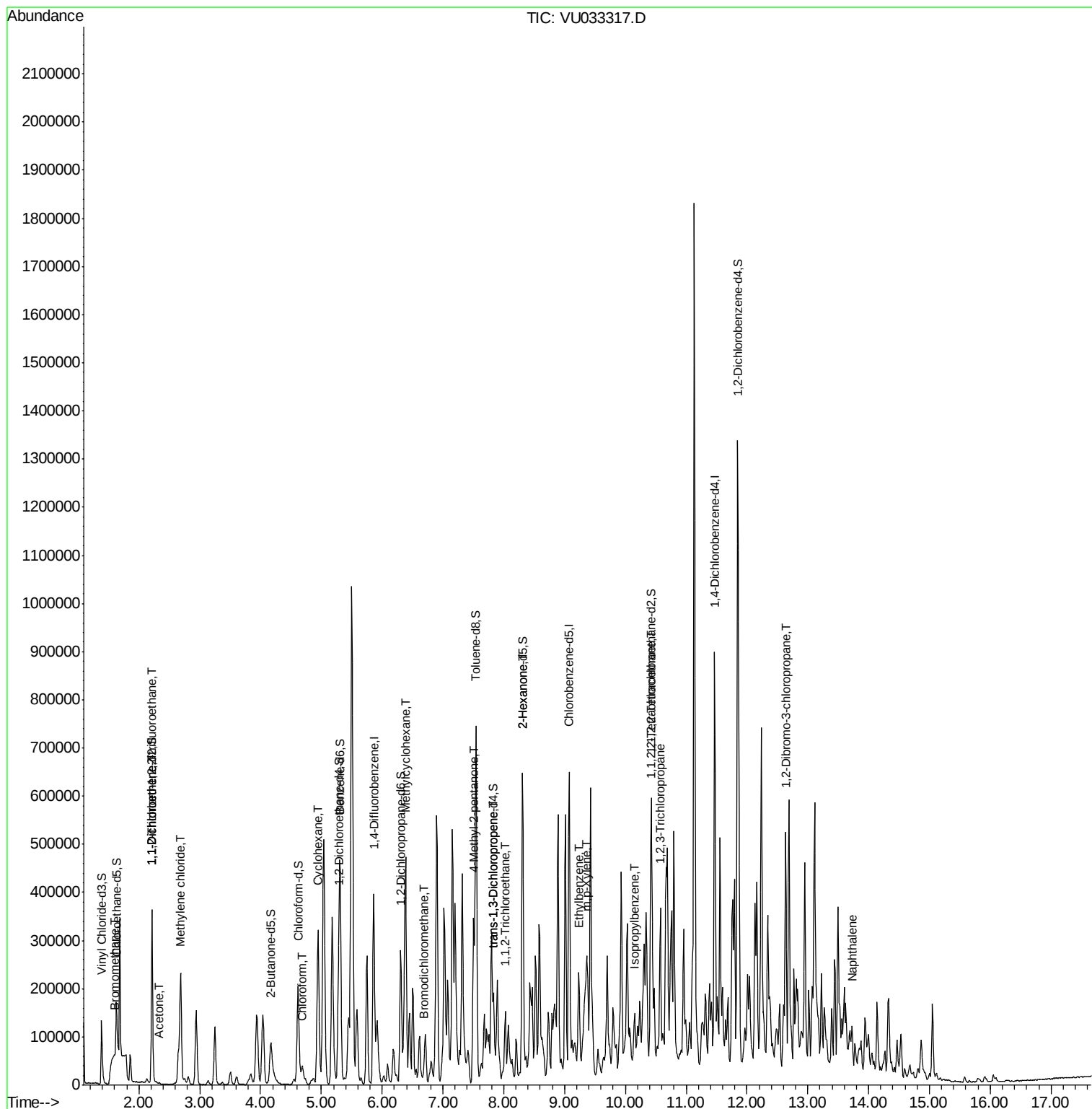
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	10.57	75	1540	0.410	ug/L #	1
66) 1,2-Dibromo-3-chloropropan	12.64	75	1615	1.281	ug/L #	16
69) Naphthalene	13.73	128	42186	3.236	ug/L #	90

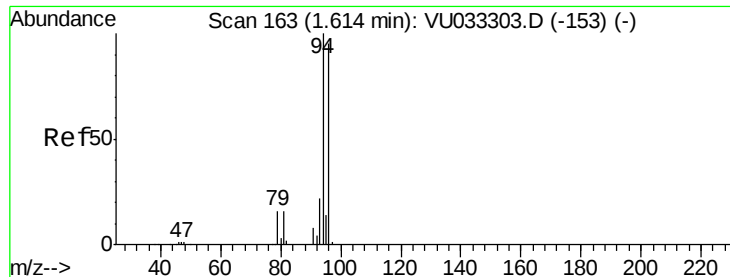
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 19 01:48:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 19 01:43:14 2019
Response via : Initial Calibration





#6

Bromomethane

Concen: 0.599 ug/L

RT: 1.59 min Scan# 155

Delta R.T. -0.03 min

Lab File: VU033317.D

Acq: 18 Jul 2019 14:23

Instrument :

MSVOA_U

ClientSampleId :

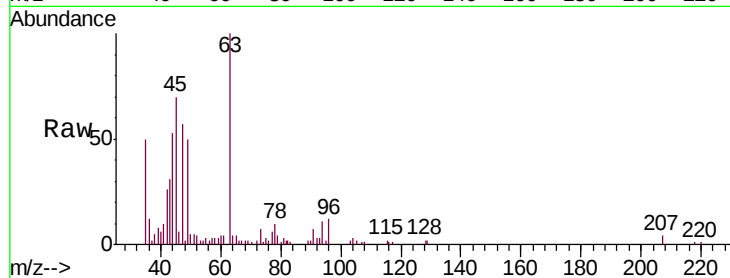
GAMR1

Tgt Ion: 94 Resp: 1530

Ion Ratio Lower Upper

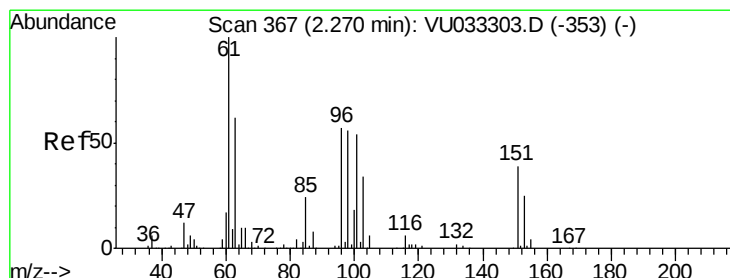
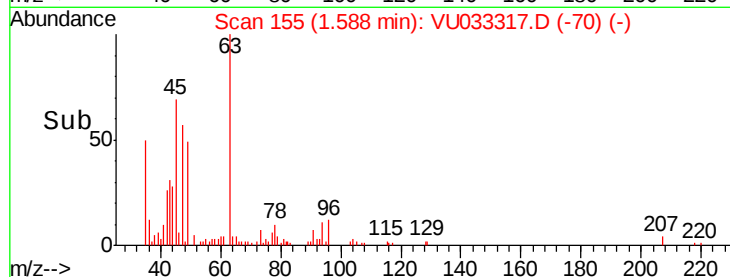
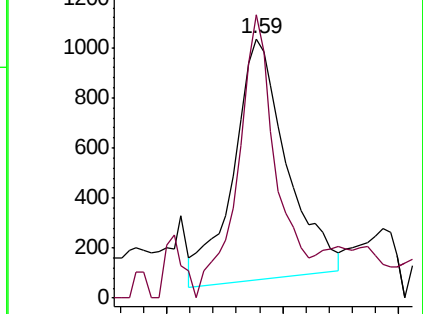
94 100

96 109.1 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VU033317.D (-153) (-)

Ion 96.00 (95.70 to 96.70): VU033317.D (-153) (-)



#10

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

Concen: 0.744 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.05 min

Lab File: VU033317.D

Acq: 18 Jul 2019 14:23

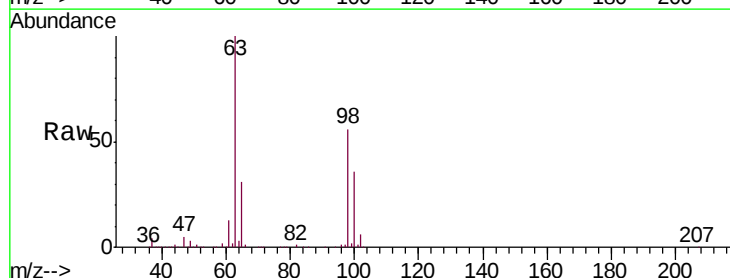
Tgt Ion: 101 Resp: 1841

Ion Ratio Lower Upper

101 100

85 0.0 35.8 53.8#

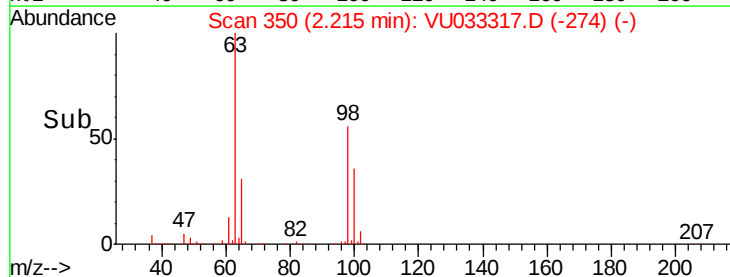
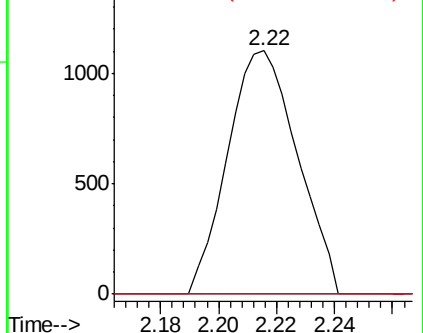
151 0.0 56.7 85.1#

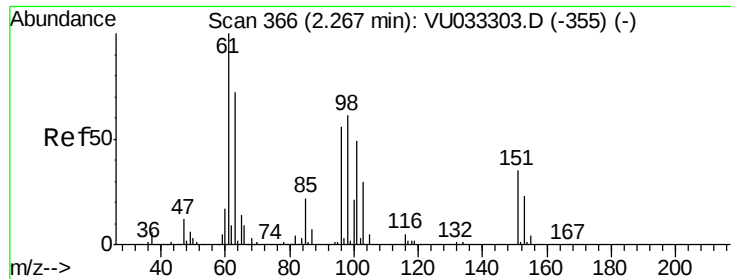


Abundance Ion 101.00 (100.70 to 101.70): VU033317.D (-274) (-)

Ion 85.00 (84.70 to 85.70): VU033317.D (-274) (-)

Ion 151.00 (150.70 to 151.70): VU033317.D (-274) (-)

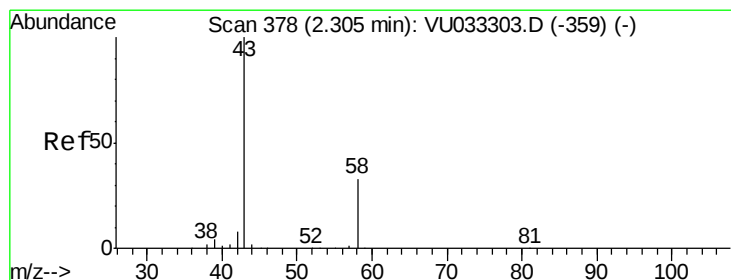
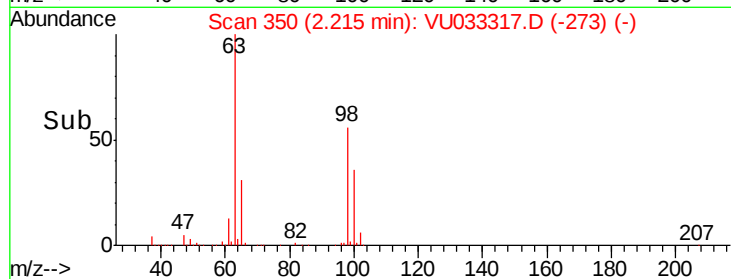
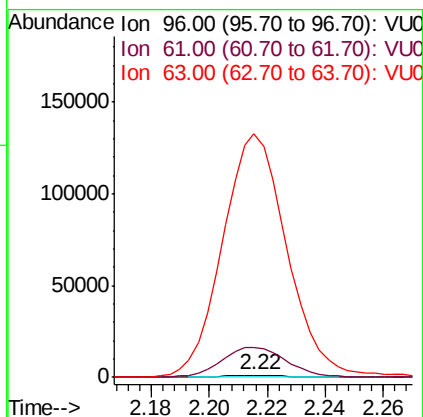
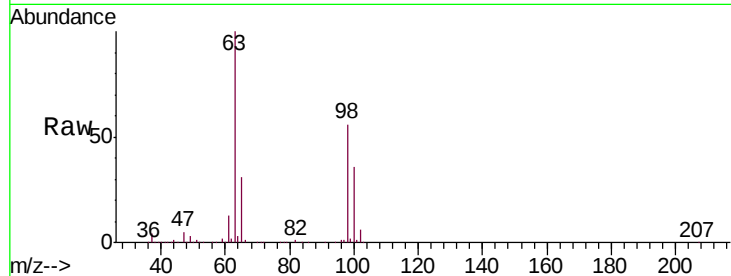




#12
 1,1-Dichloroethene
 Concen: 0.709 ug/L
 RT: 2.22 min Scan# 350
 Delta R.T. -0.05 min
 Lab File: VU033317.D
 Acq: 18 Jul 2019 14:23

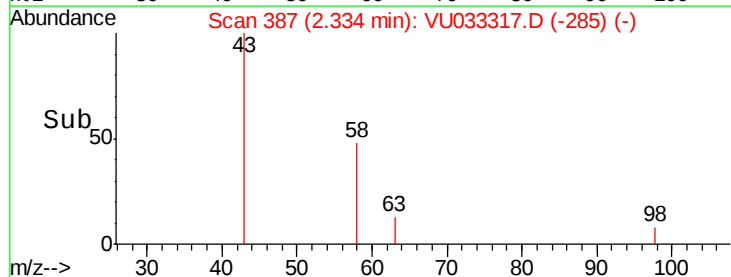
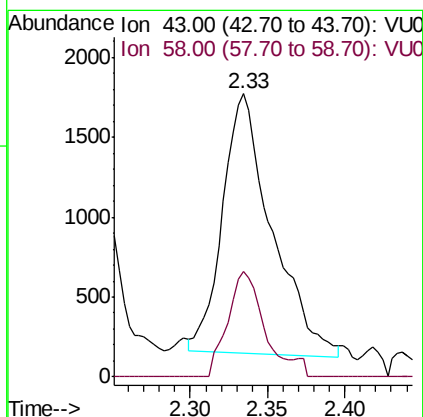
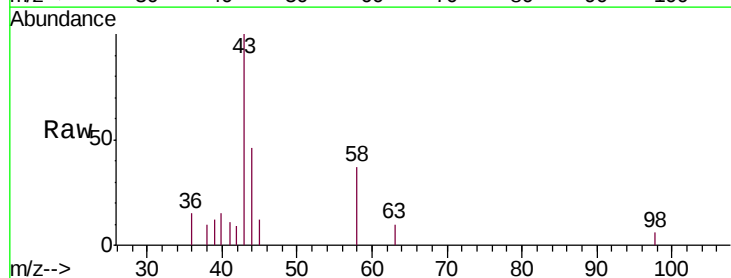
Instrument :
 MSVOA_U
 ClientSampleId :
 GAMR1

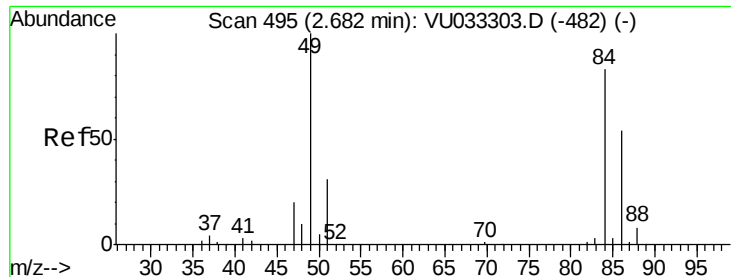
Tgt Ion: 96 Resp: 1718
 Ion Ratio Lower Upper
 96 100
 61 1355.8 126.1 234.1#
 63 10830.4 96.8 179.8#



#13
 Acetone
 Concen: 1.646 ug/L
 RT: 2.33 min Scan# 387
 Delta R.T. 0.03 min
 Lab File: VU033317.D
 Acq: 18 Jul 2019 14:23

Tgt Ion: 43 Resp: 3580
 Ion Ratio Lower Upper
 43 100
 58 29.7 0.0 65.4

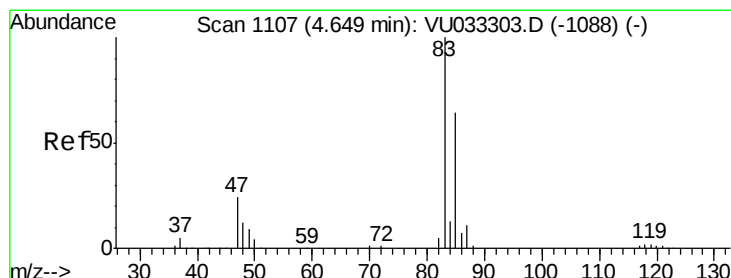
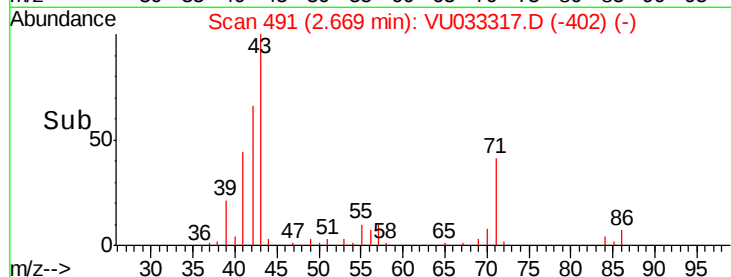
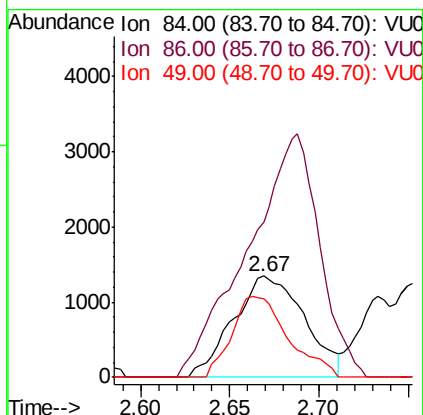
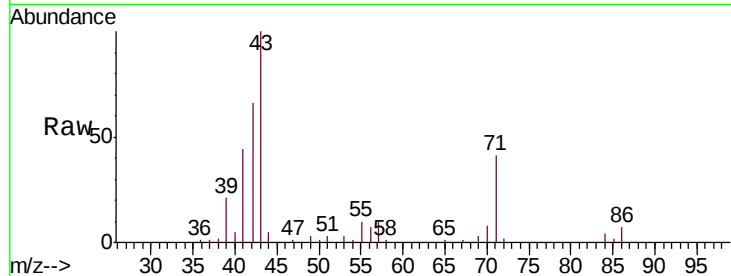




#16
Methylene chloride
Concen: 1.356 ug/L
RT: 2.67 min Scan# 491
Delta R.T. -0.01 min
Lab File: VU033317.D
Acq: 18 Jul 2019 14:23

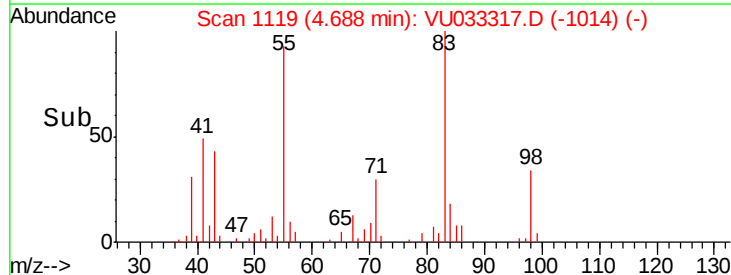
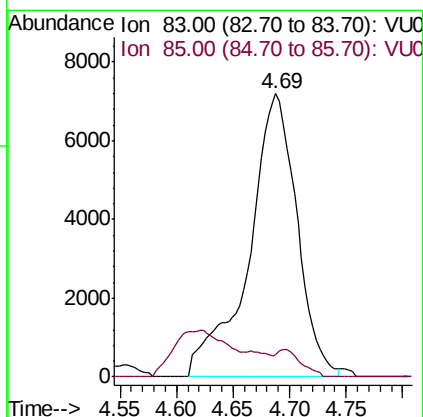
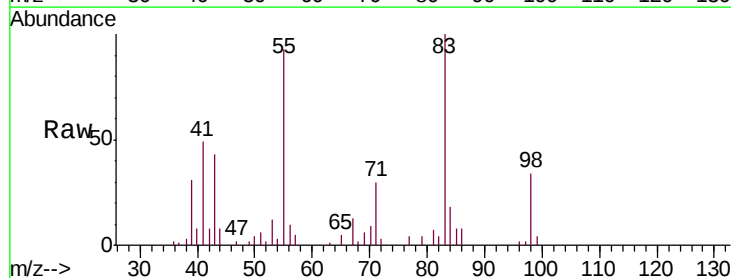
Instrument :
MSVOA_U
ClientSampleId :
GAMR1

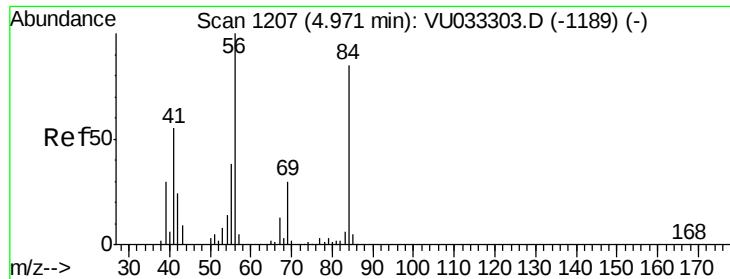
Tgt Ion: 84 Resp: 3750
Ion Ratio Lower Upper
84 100
86 153.3 45.7 84.9#
49 76.9 87.7 162.9#



#25
Chloroform
Concen: 4.161 ug/L
RT: 4.69 min Scan# 1119
Delta R.T. 0.04 min
Lab File: VU033317.D
Acq: 18 Jul 2019 14:23

Tgt Ion: 83 Resp: 21291
Ion Ratio Lower Upper
83 100
85 8.0 45.4 84.4#

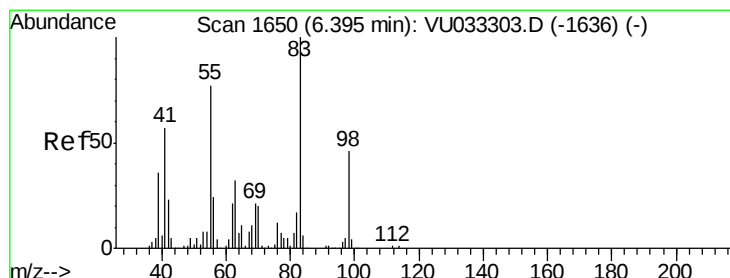
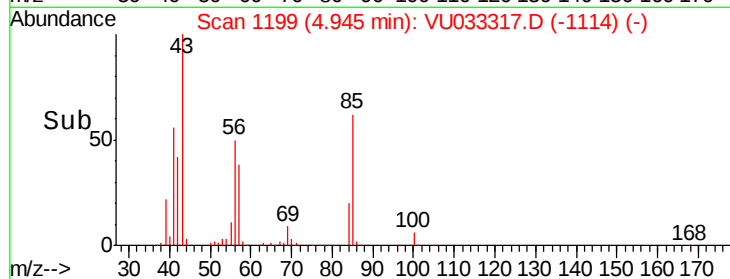
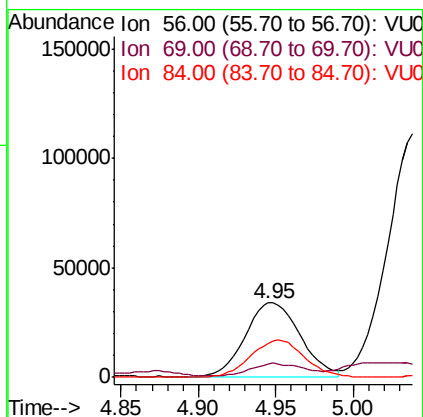
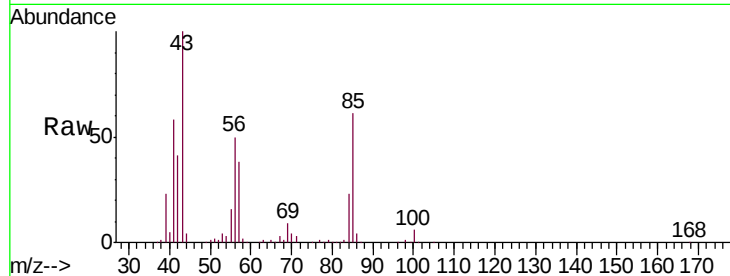




#29
Cyclohexane
Concen: 20.971 ug/L
RT: 4.95 min Scan# 1199
Delta R.T. -0.03 min
Lab File: VU033317.D
Acq: 18 Jul 2019 14:23

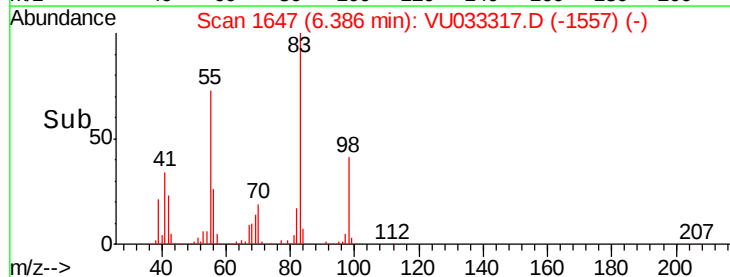
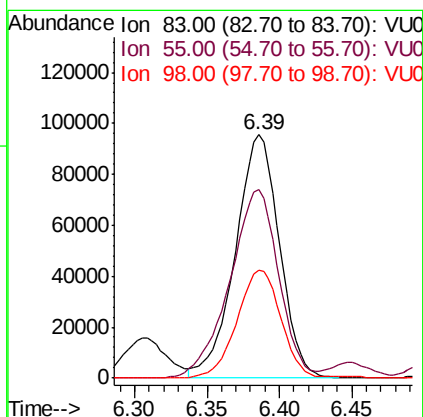
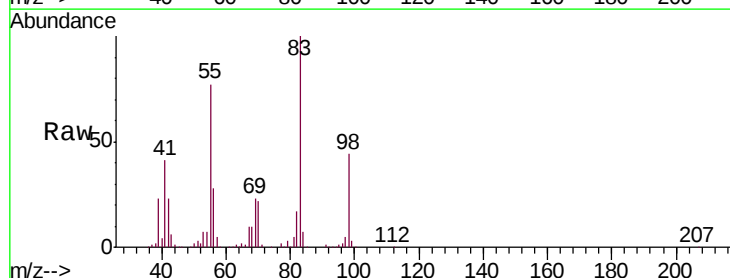
Instrument :
MSVOA_U
ClientSampled :
GAMR1

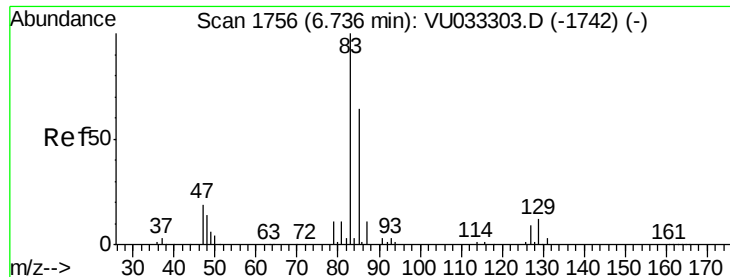
Tgt Ion: 56 Resp: 83312
Ion Ratio Lower Upper
56 100
69 16.6 24.7 37.1#
84 49.8 70.2 105.2#



#35
Methylcyclohexane
Concen: 47.132 ug/L
RT: 6.39 min Scan# 1647
Delta R.T. -0.01 min
Lab File: VU033317.D
Acq: 18 Jul 2019 14:23

Tgt Ion: 83 Resp: 200761
Ion Ratio Lower Upper
83 100
55 85.6 60.5 90.7
98 44.5 37.4 56.0





#38

Bromodichloromethane

Concen: 0.656 ug/L

RT: 6.68 min Scan# 1738

Delta R.T. -0.06 min

Lab File: VU033317.D

Acq: 18 Jul 2019 14:23

Instrument :

MSVOA_U

ClientSampleId :

GAMR1

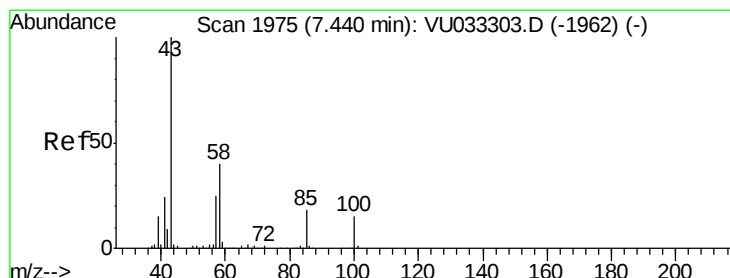
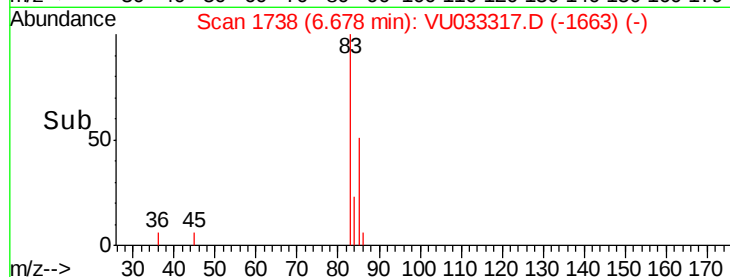
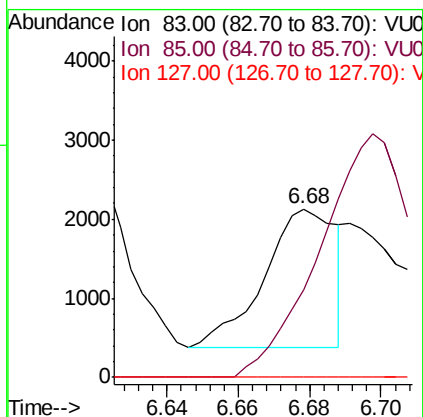
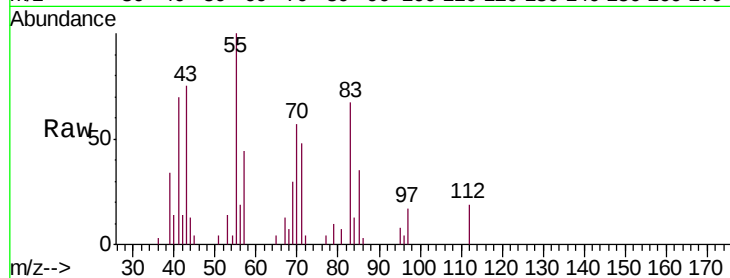
Tgt Ion: 83 Resp: 2440

Ion Ratio Lower Upper

83 100

85 52.0 45.8 85.0

127 0.0 6.8 10.2#



#40

4-Methyl-2-pentanone

Concen: 5.342 ug/L

RT: 7.50 min Scan# 1995

Delta R.T. 0.06 min

Lab File: VU033317.D

Acq: 18 Jul 2019 14:23

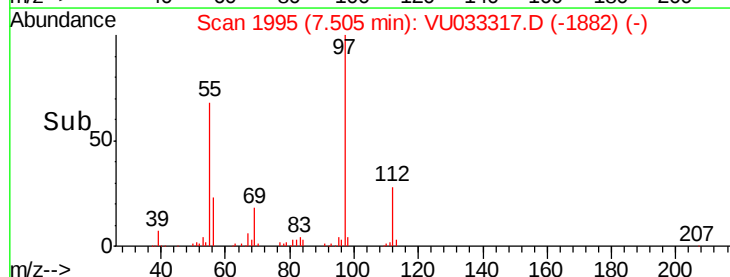
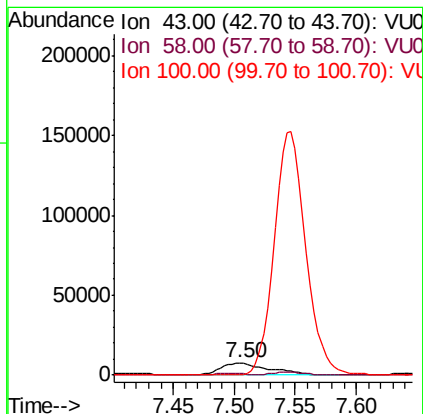
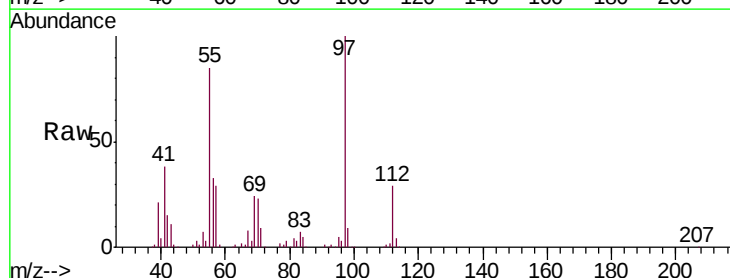
Tgt Ion: 43 Resp: 20663

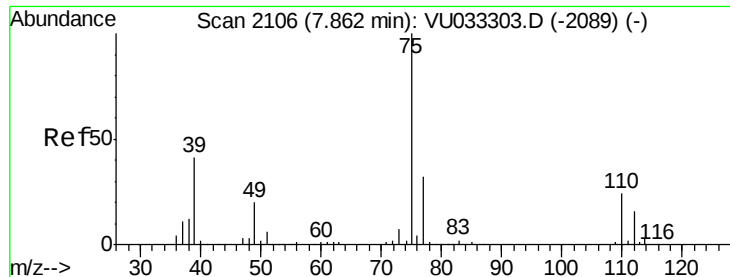
Ion Ratio Lower Upper

43 100

58 9.5 33.3 49.9#

100 0.0 12.1 18.1#





#44

trans-1,3-Dichloropropene

Concen: 0.873 ug/L

RT: 7.83 min Scan# 2097

Delta R.T. -0.03 min

Lab File: VU033317.D

Acq: 18 Jul 2019 14:23

Instrument :

MSVOA_U

ClientSampleId :

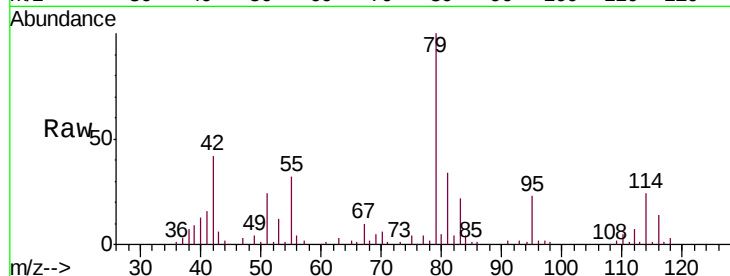
GAMR1

Tgt Ion: 75 Resp: 3479

Ion Ratio Lower Upper

75 100

77 89.8 22.4 41.6#



Abundance Ion 75.00 (74.70 to 75.70): VU033317.D (-2089) (-)

Ion 77.00 (76.70 to 77.70): VU033317.D (-2089) (-)

7.83

1500

1000

500

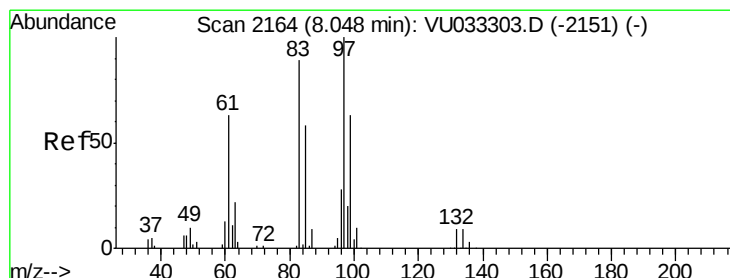
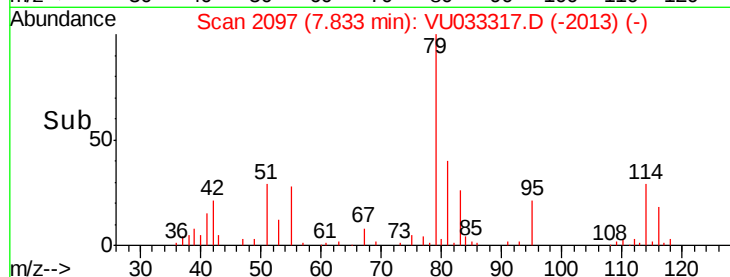
0

7.80

7.85

7.90

Time-->



#45

1,1,2-Trichloroethane

Concen: 16.798 ug/L

RT: 8.03 min Scan# 2157

Delta R.T. -0.02 min

Lab File: VU033317.D

Acq: 18 Jul 2019 14:23

Tgt Ion: 97 Resp: 45808

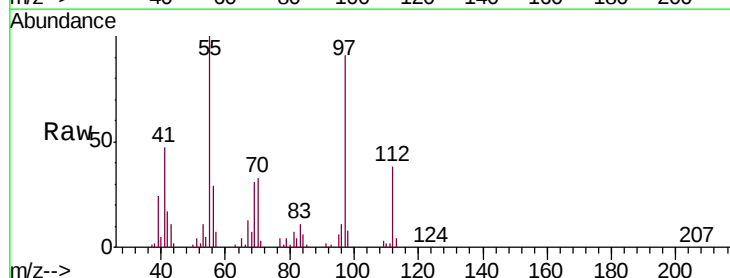
Ion Ratio Lower Upper

97 100

99 0.4 43.0 79.8#

83 12.5 61.5 114.3#

85 1.1 38.8 72.0#



Abundance Ion 97.00 (96.70 to 97.70): VU033317.D (-2071) (-)

Ion 99.00 (98.70 to 99.70): VU033317.D (-2071) (-)

Ion 83.00 (82.70 to 83.70): VU033317.D (-2071) (-)

Ion 85.00 (84.70 to 85.70): VU033317.D (-2071) (-)

8.03

30000

20000

10000

0

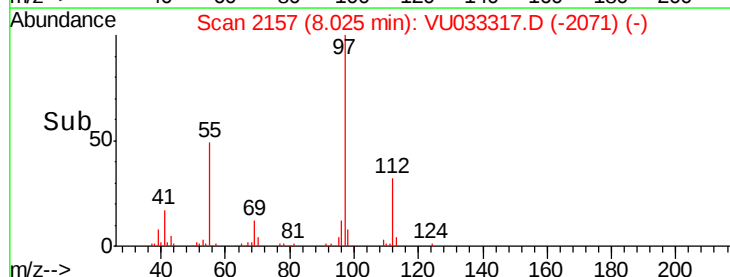
7.95

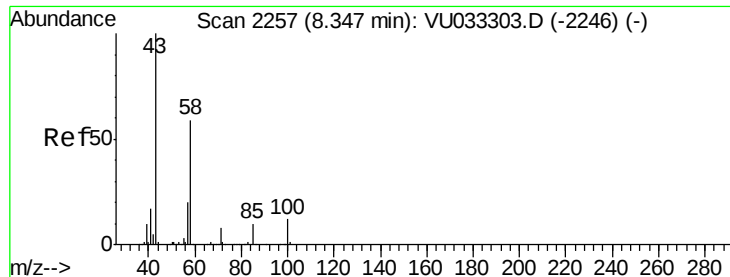
8.00

8.05

8.10

Time-->

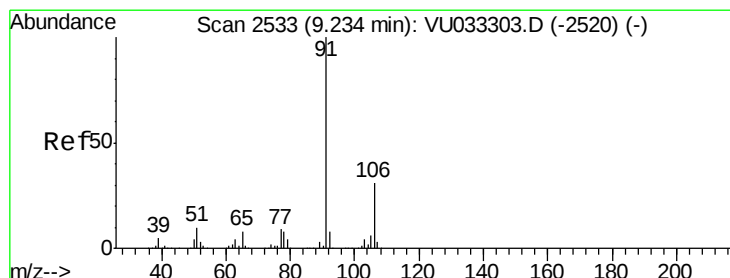
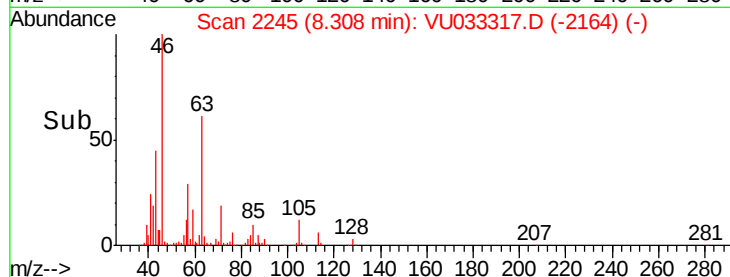
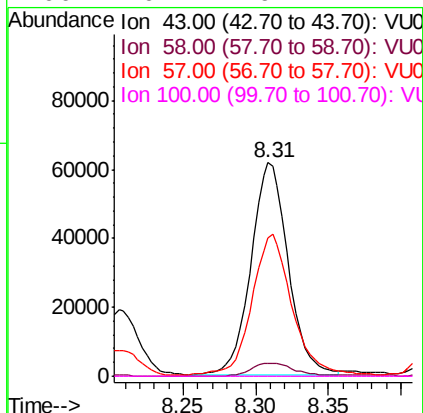
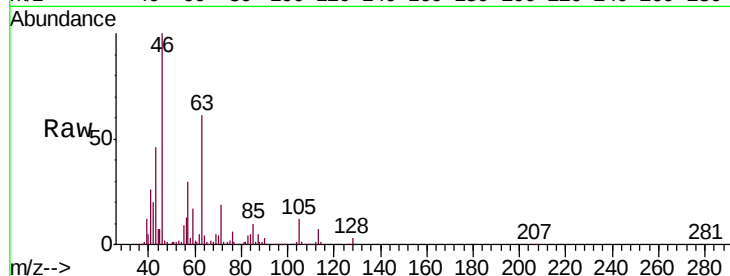




#48
2-Hexanone
Concen: 34.740 ug/L
RT: 8.31 min Scan# 2245
Delta R.T. -0.04 min
Lab File: VU033317.D
Acq: 18 Jul 2019 14:23

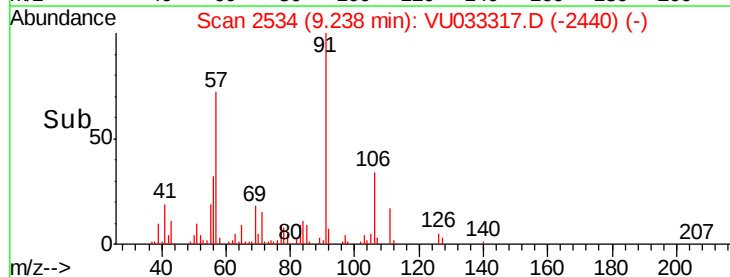
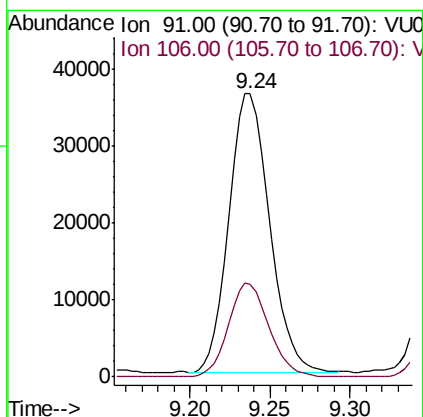
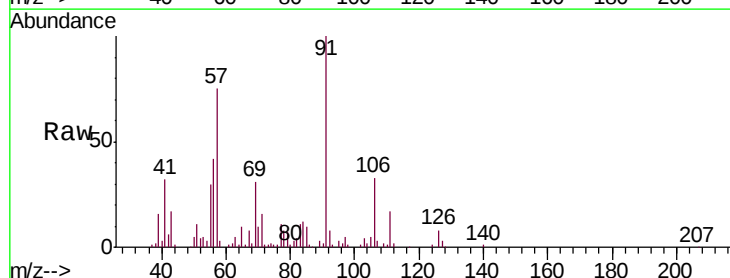
Instrument :
MSVOA_U
ClientSampleId :
GAMR1

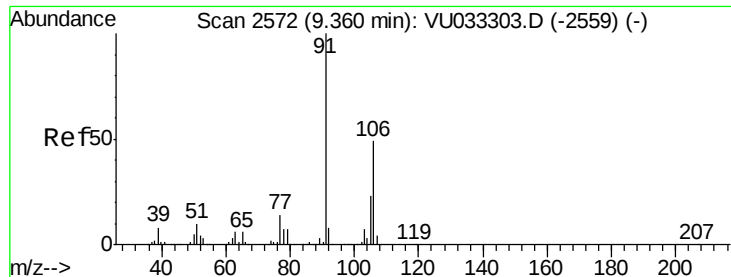
Tgt Ion: 43 Resp: 109476
Ion Ratio Lower Upper
43 100
58 7.0 46.1 69.1#
57 71.2 15.8 23.8#
100 0.1 9.4 14.2#



#52
Ethylbenzene
Concen: 5.126 ug/L
RT: 9.24 min Scan# 2534
Delta R.T. 0.00 min
Lab File: VU033317.D
Acq: 18 Jul 2019 14:23

Tgt Ion: 91 Resp: 62872
Ion Ratio Lower Upper
91 100
106 32.9 22.2 41.2





#53

m,p-Xylene

Concen: 10.518 ug/L

RT: 9.36 min Scan# 2573

Delta R.T. 0.00 min

Lab File: VU033317.D

Acq: 18 Jul 2019 14:23

Instrument :

MSVOA_U

ClientSampled :

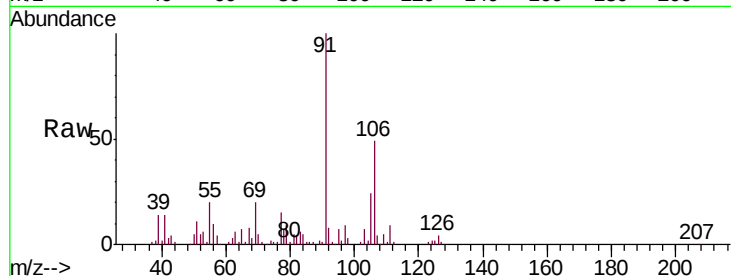
GAMR1

Tgt Ion:106 Resp: 48868

Ion Ratio Lower Upper

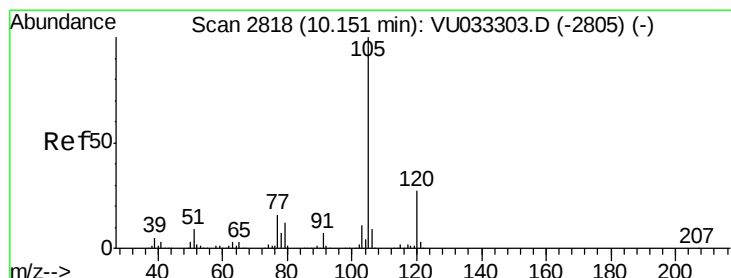
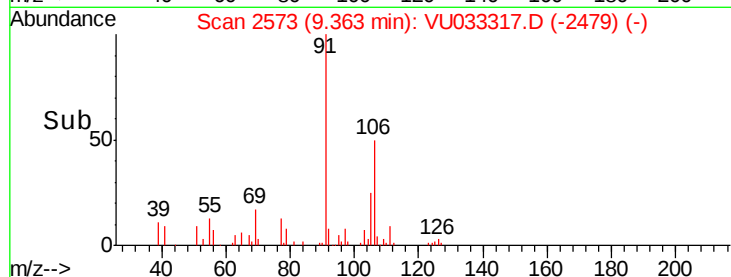
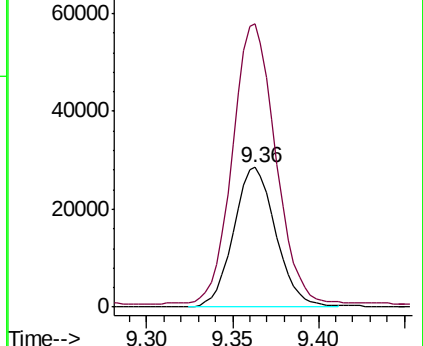
106 100

91 202.4 141.3 262.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#56

Isopropylbenzene

Concen: 3.377 ug/L

RT: 10.15 min Scan# 2819

Delta R.T. 0.00 min

Lab File: VU033317.D

Acq: 18 Jul 2019 14:23

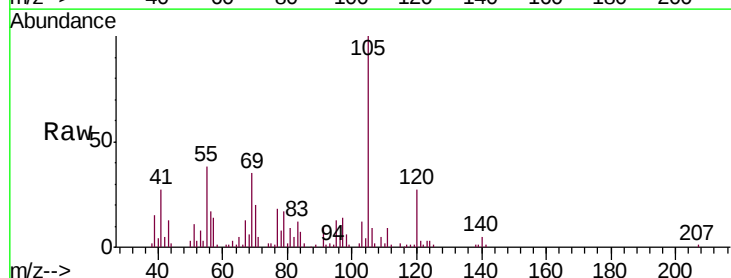
Tgt Ion:105 Resp: 40087

Ion Ratio Lower Upper

105 100

120 26.6 21.2 31.8

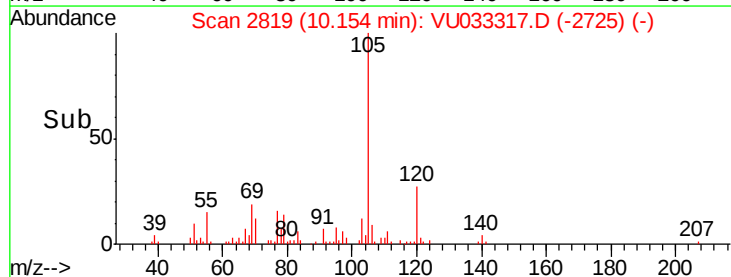
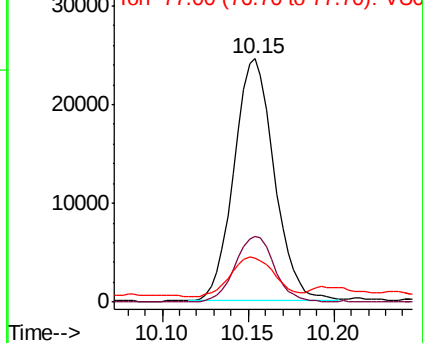
77 18.0 12.9 19.3

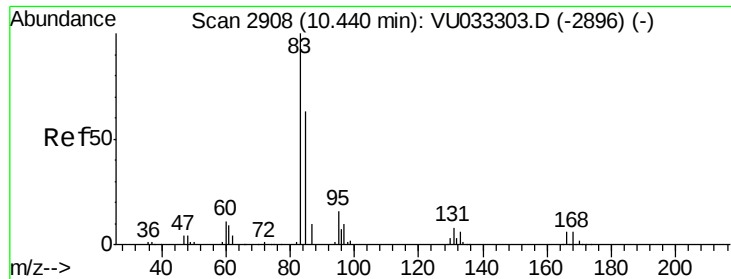


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0

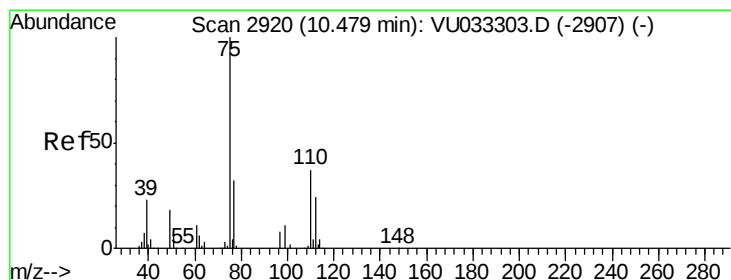
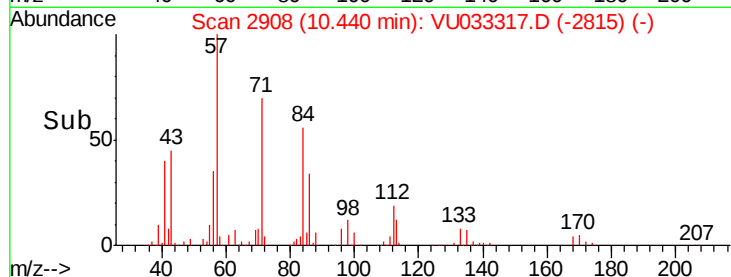
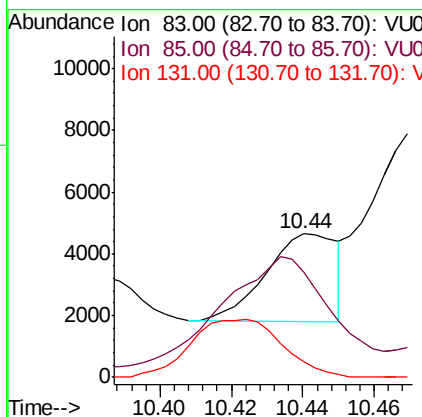
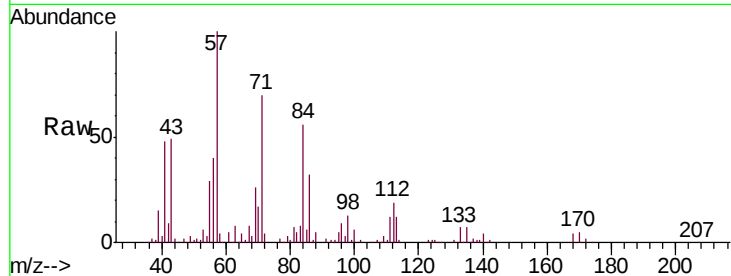




#58
 1,1,2,2-Tetrachloroethane
 Concen: 0.820 ug/L
 RT: 10.44 min Scan# 2908
 Delta R.T. 0.00 min
 Lab File: VU033317.D
 Acq: 18 Jul 2019 14:23

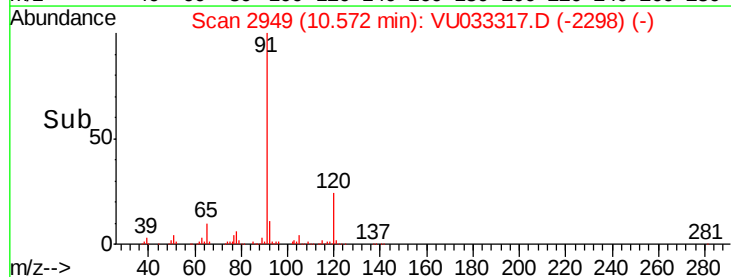
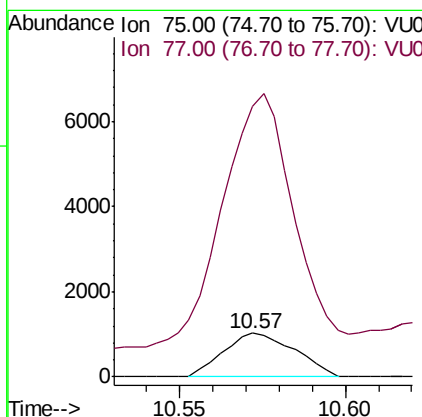
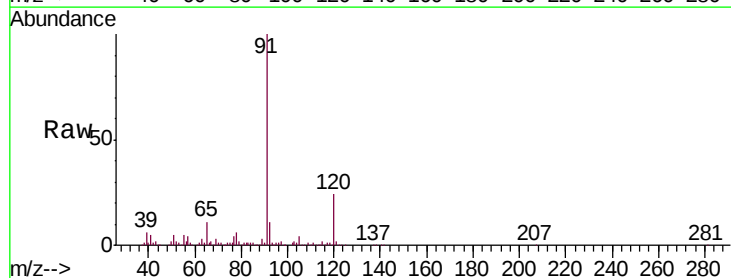
Instrument :
 MSVOA_U
 ClientSampleId :
 GAMR1

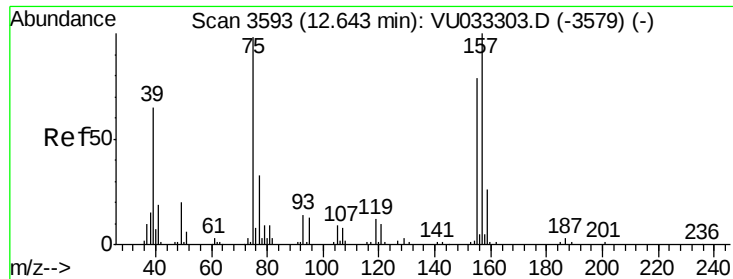
Tgt Ion: 83 Resp: 3926
 Ion Ratio Lower Upper
 83 100
 85 73.1 44.9 83.3
 131 11.3 7.6 11.4



#59
 1,2,3-Trichloropropane
 Concen: 0.410 ug/L
 RT: 10.57 min Scan# 2949
 Delta R.T. 0.09 min
 Lab File: VU033317.D
 Acq: 18 Jul 2019 14:23

Tgt Ion: 75 Resp: 1540
 Ion Ratio Lower Upper
 75 100
 77 574.7 26.0 39.0#

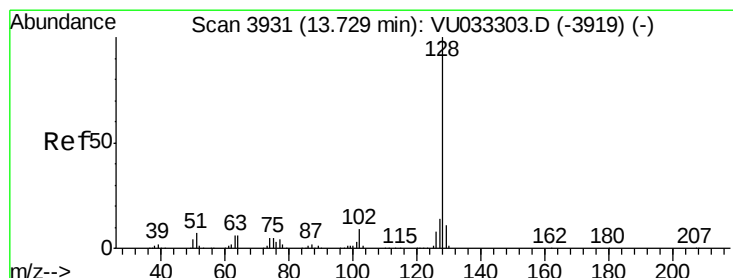
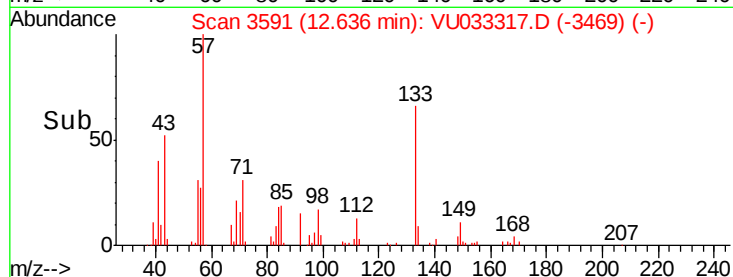
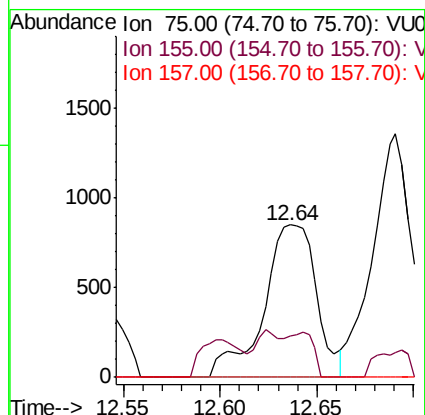
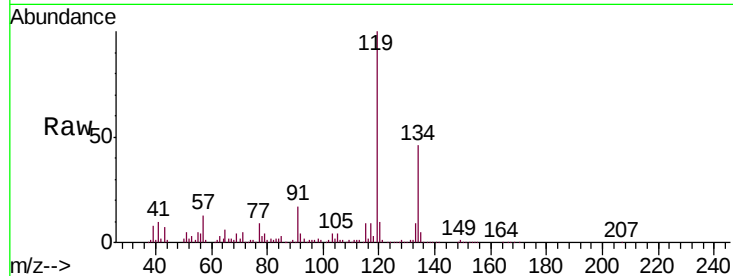




#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.281 ug/L
 RT: 12.64 min Scan# 3591
 Delta R.T. -0.01 min
 Lab File: VU033317.D
 Acq: 18 Jul 2019 14:23

Instrument :
 MSVOA_U
 ClientSampleId :
 GAMR1

Tgt Ion: 75 Resp: 1615
 Ion Ratio Lower Upper
 75 100
 155 27.4 63.5 95.3#
 157 0.0 84.6 127.0#



#69
 Naphthalene
 Concen: 3.236 ug/L
 RT: 13.73 min Scan# 3932
 Delta R.T. 0.00 min
 Lab File: VU033317.D
 Acq: 18 Jul 2019 14:23

Tgt Ion: 128 Resp: 42186
 Ion Ratio Lower Upper
 128 100
 127 10.8 10.8 16.2#
 129 16.1 8.7 13.1#

