

Data File : VU033965.D
Acq On : 26 Aug 2019 22:36
Operator : JC/SP
Sample : K4537-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
TRIP

Quant Time: Aug 27 08:02:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082719W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 27 06:58:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.95	168	413362	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	671571	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	642653	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	273480	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.28	65	301111	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
35) Dibromofluoromethane	4.86	113	228753	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	
50) Toluene-d8	7.54	98	832730	48.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.38%	
62) 4-Bromofluorobenzene	10.29	95	283221	42.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.04%	

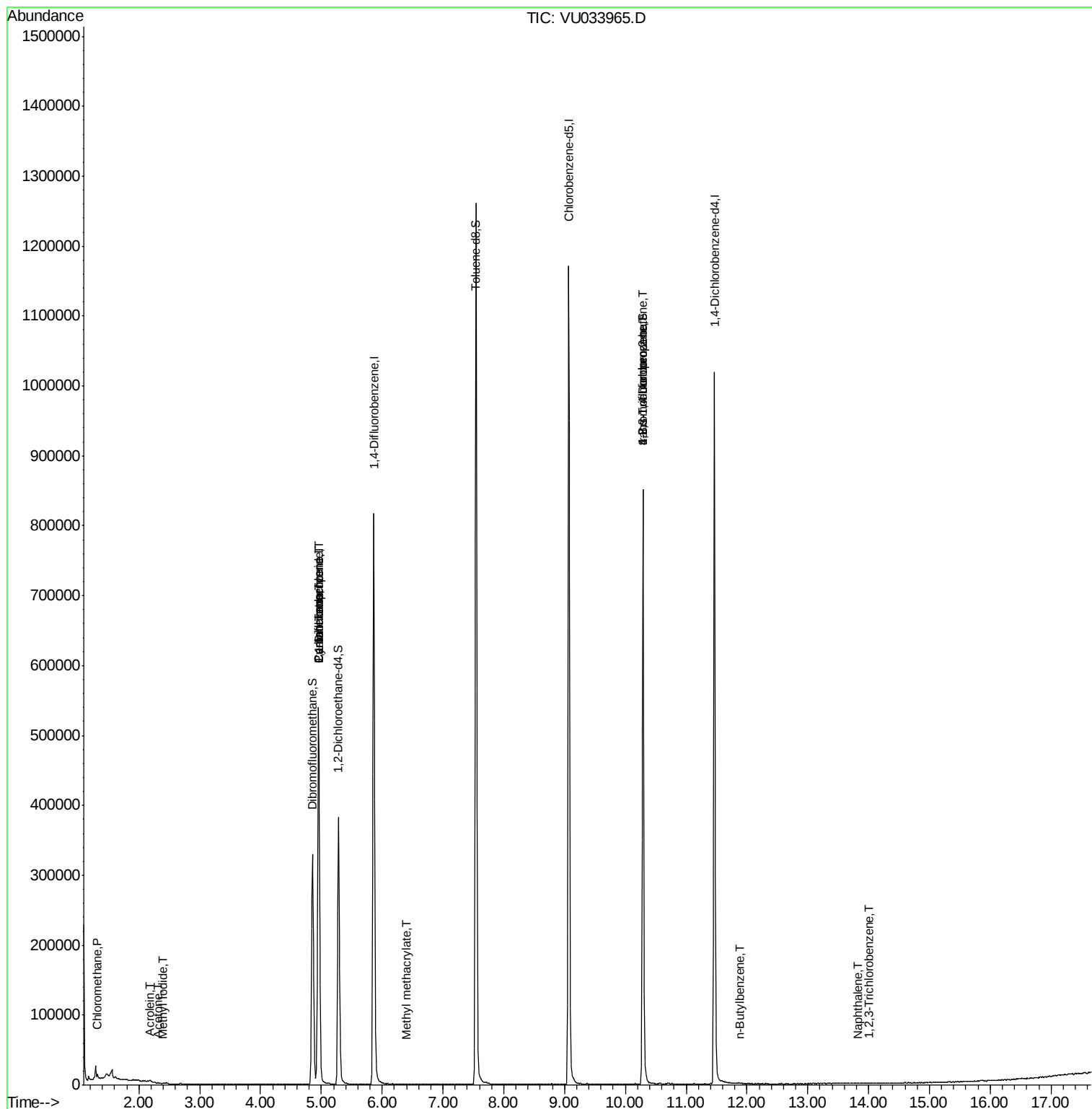
Target Compounds			Qvalue			
3) Chloromethane	1.32	50	4123	0.690	ug/l	100
5) Bromomethane	1.61	94	1740	Below Cal		87
10) Methyl Iodide	2.40	142	541	5.319	ug/l #	85
13) Acrolein	2.18	56	176	0.238	ug/l	87
16) Acetone	2.31	43	1127	0.319	ug/l	99
31) Cyclohexane	4.95	56	9333	1.082	ug/l #	1
36) 1,1-Dichloropropene	4.95	75	33842	4.881	ug/l #	50
38) Carbon Tetrachloride	4.95	117	40207	5.823	ug/l #	16
48) Methyl methacrylate	6.40	41	123	2.331	ug/l #	24
76) 1,2,3-Trichloropropane	10.29	75	144824	22.890	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.29	75	144824	61.035	ug/l #	100
89) n-Butylbenzene	11.88	91	257	2.687	ug/l #	59
95) Naphthalene	13.81	128	22	4.509	ug/l #	70
96) 1,2,3-Trichlorobenzene	14.01	180	41	3.033	ug/l #	22

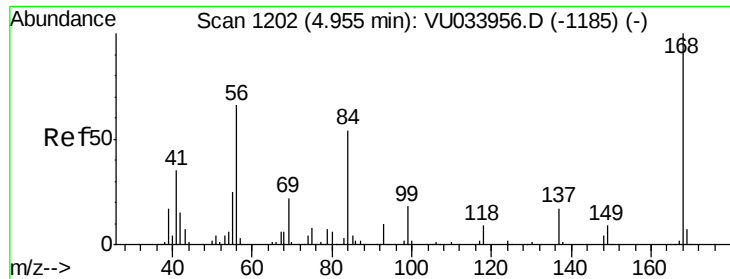
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.95 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VU033965.D

Acq: 26 Aug 2019 22:36

Instrument :

MSVOA_U

ClientSampleId :

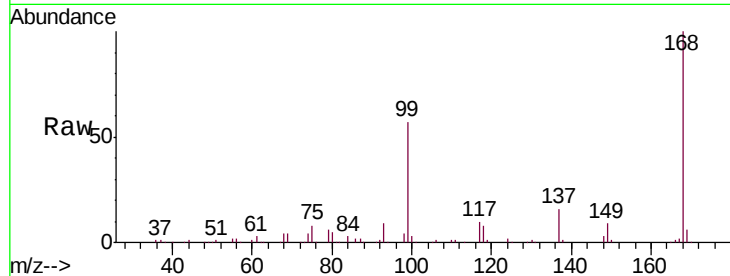
TRIP

Tgt Ion:168 Resp: 413362

Ion Ratio Lower Upper

168 100

99 56.5 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VU033956.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU033956.D (-1185) (-)

4.95

200000

150000

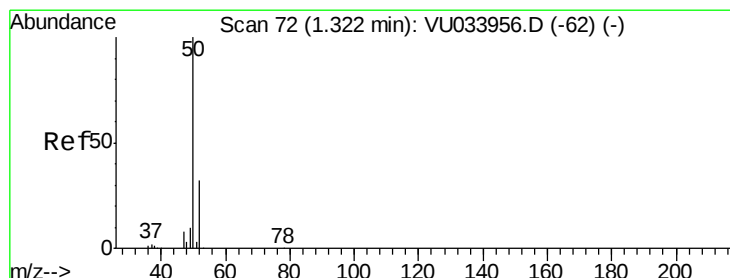
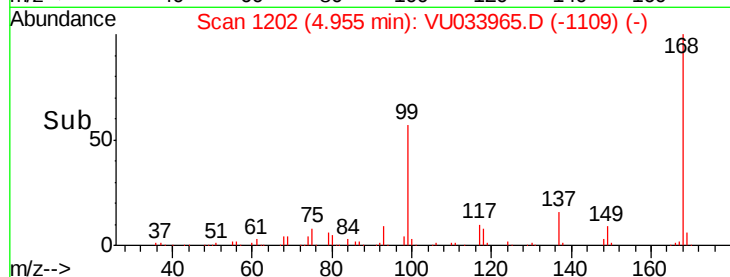
100000

50000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: 0.690 ug/l

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU033965.D

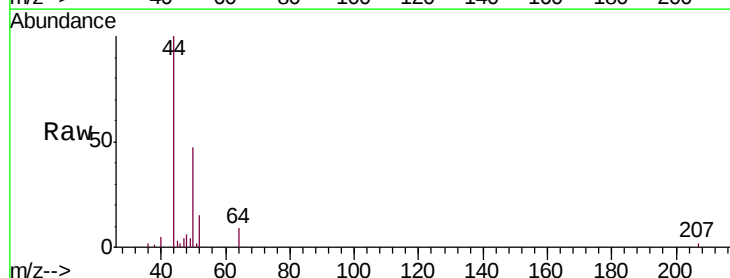
Acq: 26 Aug 2019 22:36

Tgt Ion: 50 Resp: 4123

Ion Ratio Lower Upper

50 100

52 32.4 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VU033956.D (-62) (-)

Ion 51.90 (51.60 to 52.60): VU033956.D (-62) (-)

1.32

4000

3000

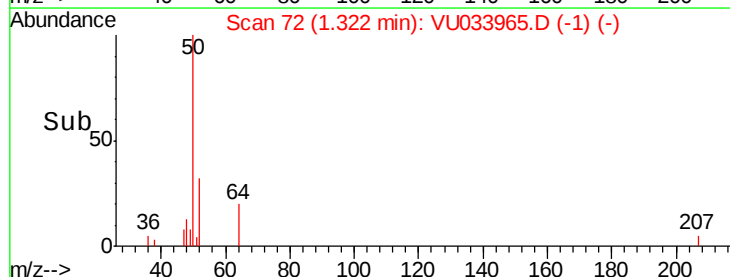
2000

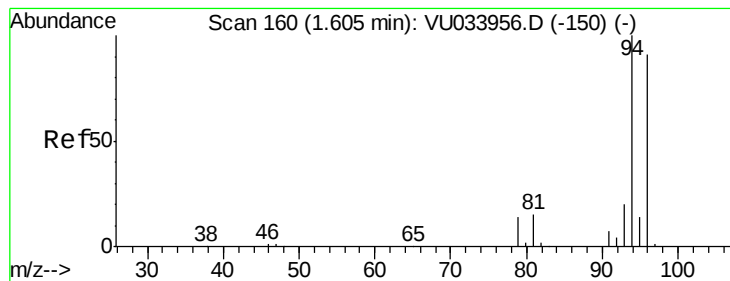
1000

0

1.30 1.35

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 162

Delta R.T. 0.01 min

Lab File: VU033965.D

Acq: 26 Aug 2019 22:36

Instrument :

MSVOA_U

ClientSampleId :

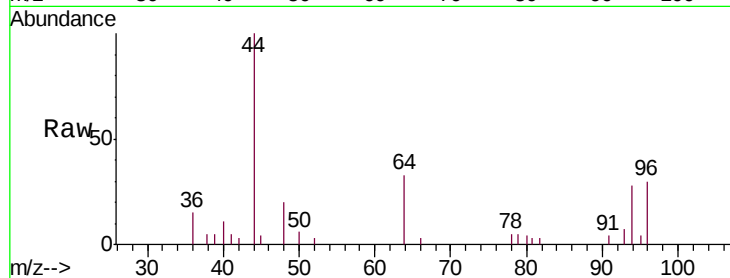
TRIP

Tgt Ion: 94 Resp: 1740

Ion Ratio Lower Upper

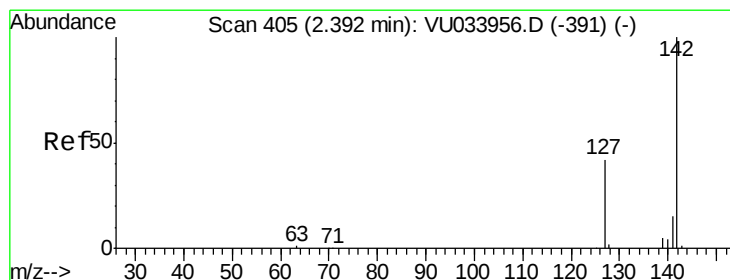
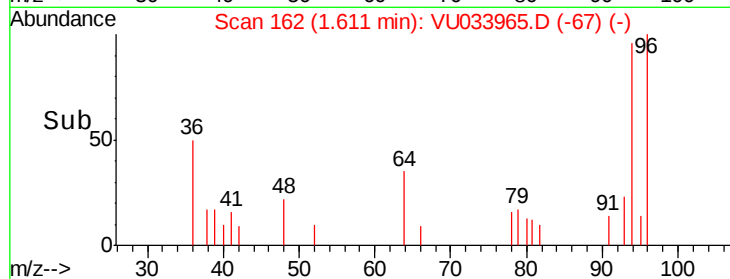
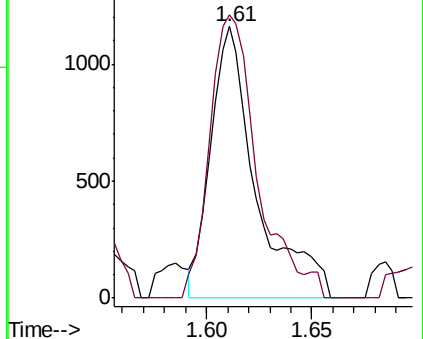
94 100

96 104.2 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VU033965.D (-150) (-)

Ion 95.90 (95.60 to 96.60): VU033965.D (-150) (-)



#10

Methyl Iodide

Concen: 5.319 ug/l

RT: 2.40 min Scan# 407

Delta R.T. 0.01 min

Lab File: VU033965.D

Acq: 26 Aug 2019 22:36

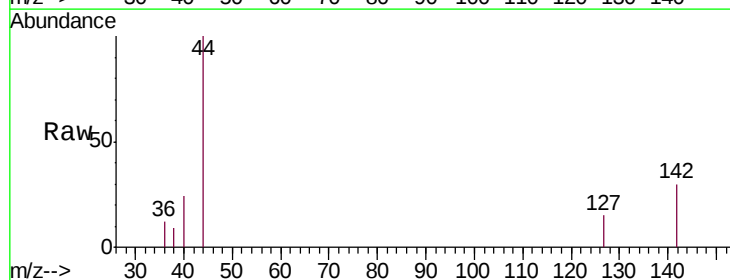
Tgt Ion: 142 Resp: 541

Ion Ratio Lower Upper

142 100

127 51.6 34.3 51.5#

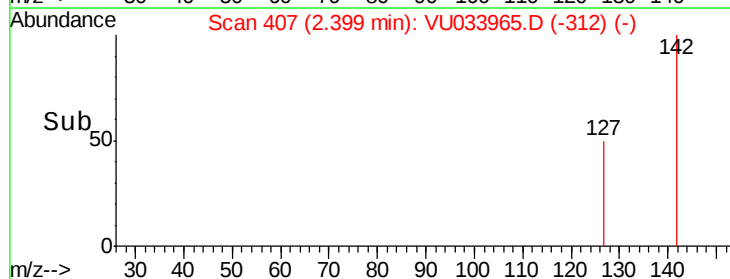
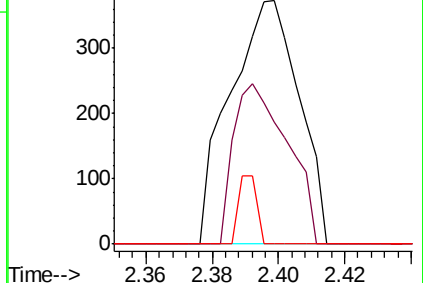
141 7.4 11.8 17.6#

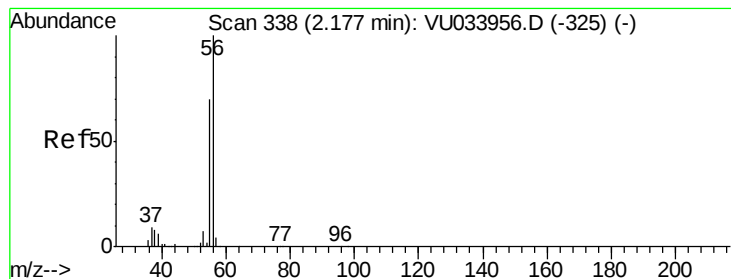


Abundance Ion 141.80 (141.50 to 142.50): VU033965.D (-391) (-)

Ion 126.80 (126.50 to 127.50): VU033965.D (-391) (-)

Ion 140.80 (140.50 to 141.50): VU033965.D (-391) (-)





#13

Acrolein

Concen: 0.238 ug/l

RT: 2.18 min Scan# 339

Delta R.T. 0.00 min

Lab File: VU033965.D

Acq: 26 Aug 2019 22:36

Instrument :

MSVOA_U

ClientSampled :

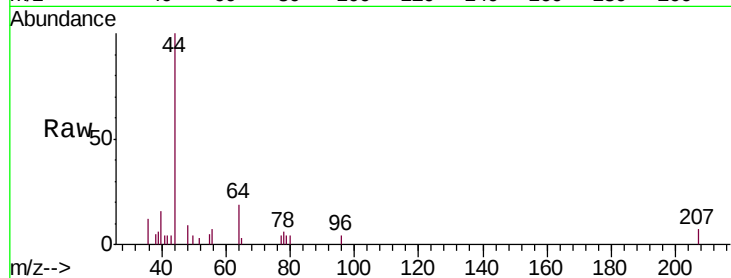
TRIP

Tgt Ion: 56 Resp: 176

Ion Ratio Lower Upper

56 100

55 59.7 56.3 84.5

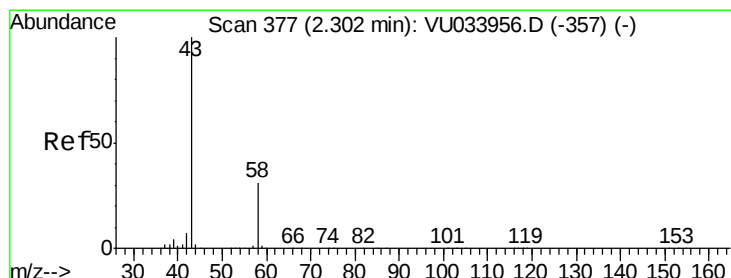
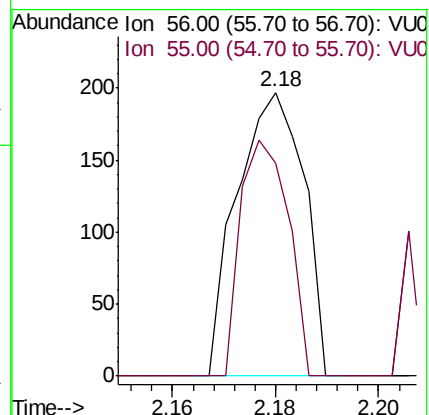
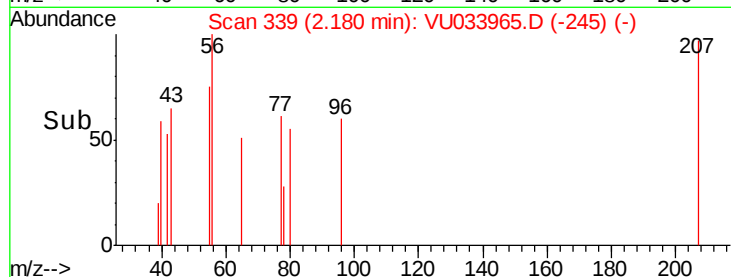


Abundance Ion 56.00 (55.70 to 56.70): VU033965.D (-339) (-)

Ion 55.00 (54.70 to 55.70): VU033965.D (-339) (-)

2.18

2.16 2.18 2.20



#16

Acetone

Concen: 0.319 ug/l

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VU033965.D

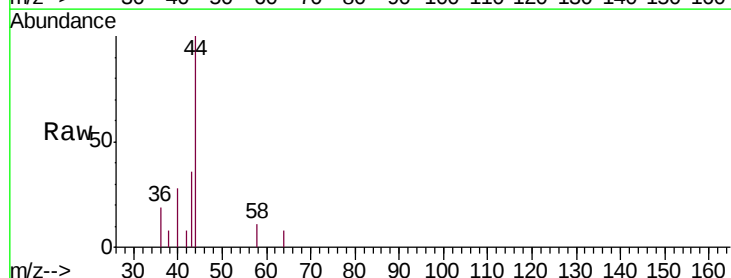
Acq: 26 Aug 2019 22:36

Tgt Ion: 43 Resp: 1127

Ion Ratio Lower Upper

43 100

58 31.0 24.5 36.7

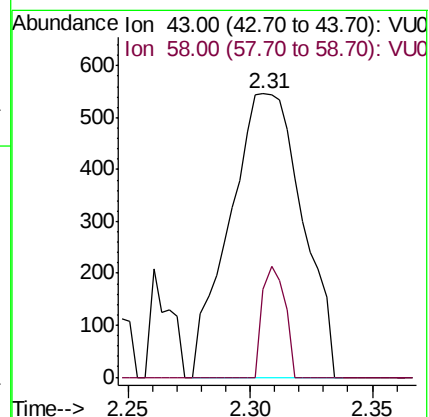
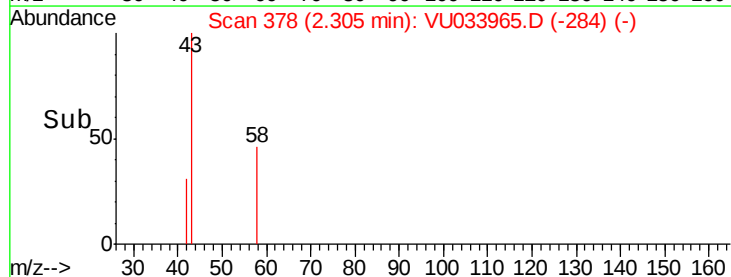


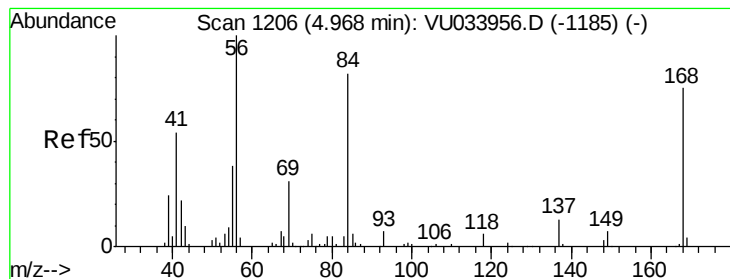
Abundance Ion 43.00 (42.70 to 43.70): VU033965.D (-378) (-)

Ion 58.00 (57.70 to 58.70): VU033965.D (-378) (-)

2.31

2.25 2.30 2.35





#31

Cyclohexane

Concen: 1.082 ug/l

RT: 4.95 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VU033965.D

Acq: 26 Aug 2019 22:36

Instrument :
MSVOA_U
ClientSampled :
TRIP

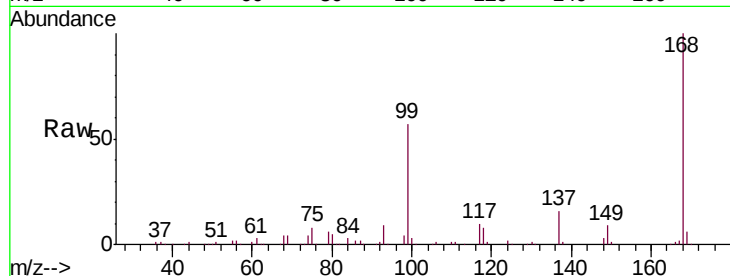
Tgt Ion: 56 Resp: 9333

Ion Ratio Lower Upper

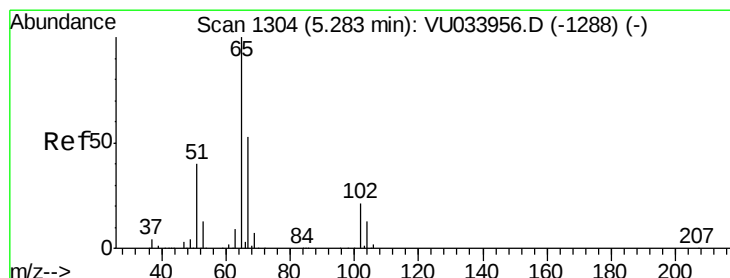
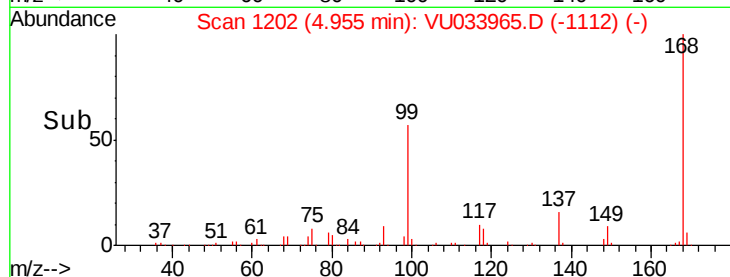
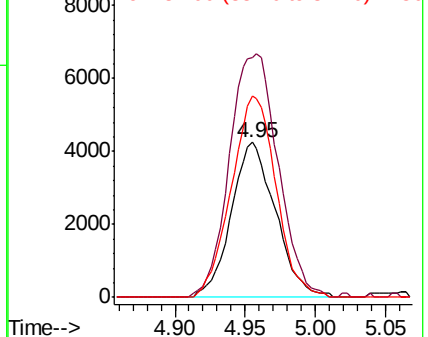
56 100

69 154.8 24.6 37.0#

84 129.6 65.4 98.0#



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0



#33

1,2-Dichloroethane-d4

Concen: 50.690 ug/l

RT: 5.28 min Scan# 1304

Delta R.T. 0.00 min

Lab File: VU033965.D

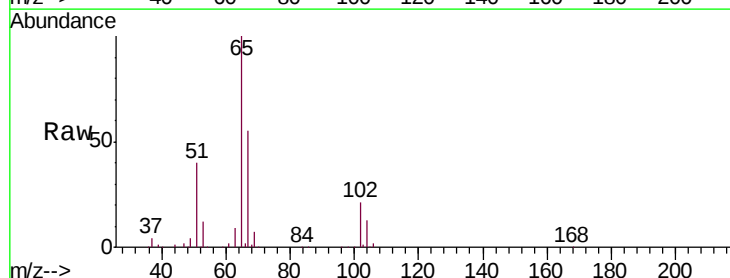
Acq: 26 Aug 2019 22:36

Tgt Ion: 65 Resp: 301111

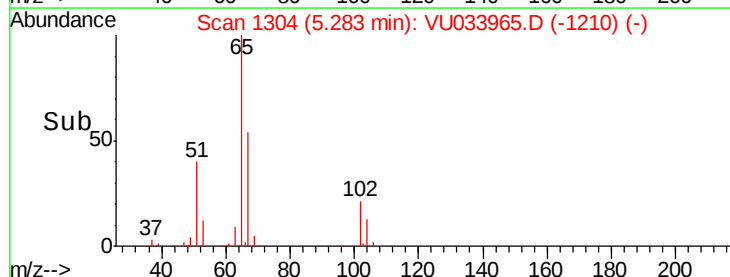
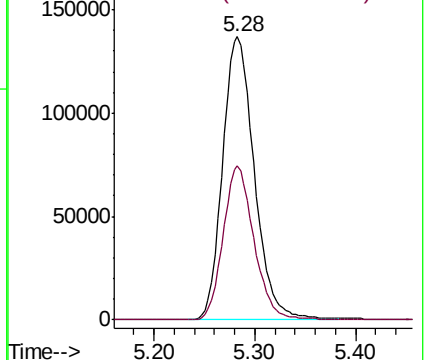
Ion Ratio Lower Upper

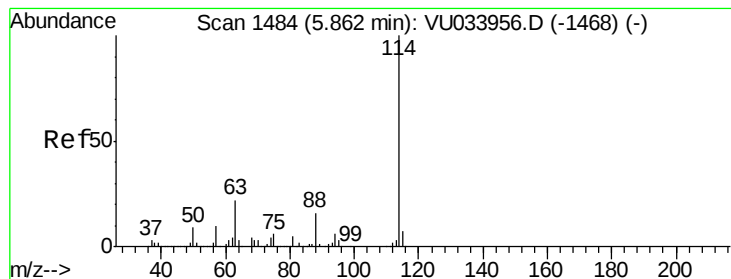
65 100

67 52.8 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1484

Delta R.T. -0.00 min

Lab File: VU033965.D

Acq: 26 Aug 2019 22:36

Instrument :

MSVOA_U

ClientSampled :

TRIP

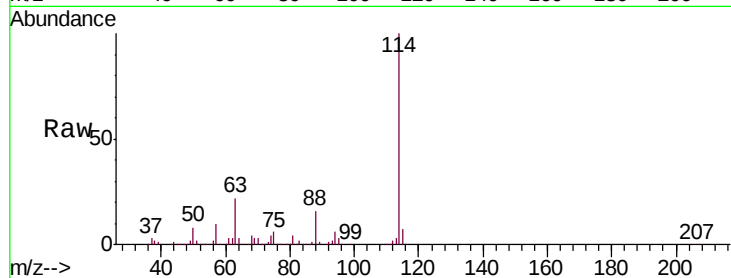
Tgt Ion:114 Resp: 671571

Ion Ratio Lower Upper

114 100

63 22.3 0.0 44.2

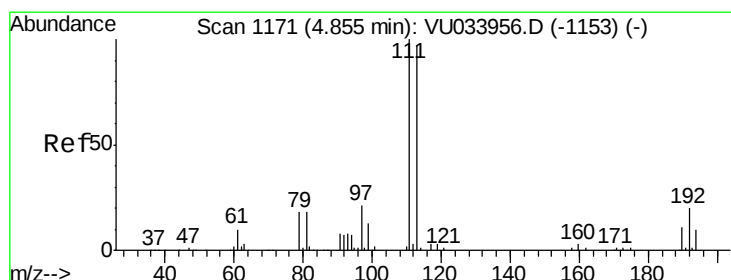
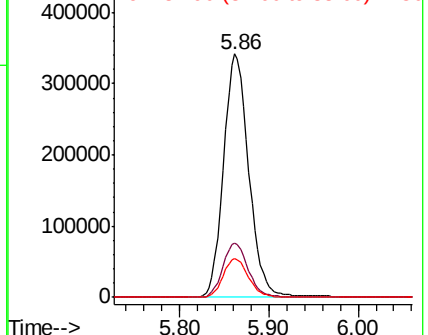
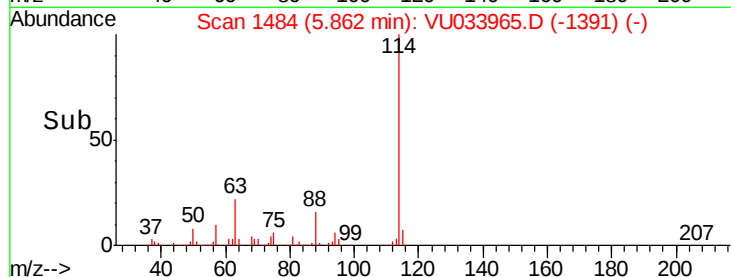
88 16.0 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 48.969 ug/l

RT: 4.86 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VU033965.D

Acq: 26 Aug 2019 22:36

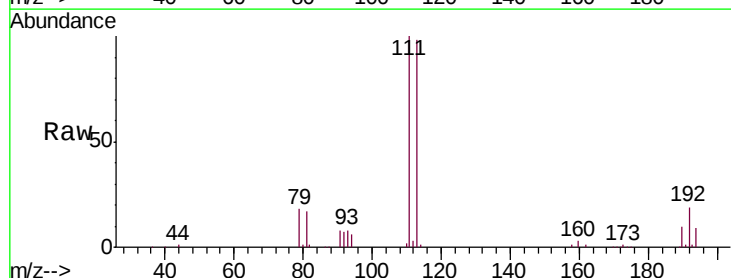
Tgt Ion:113 Resp: 228753

Ion Ratio Lower Upper

113 100

111 103.0 82.0 123.0

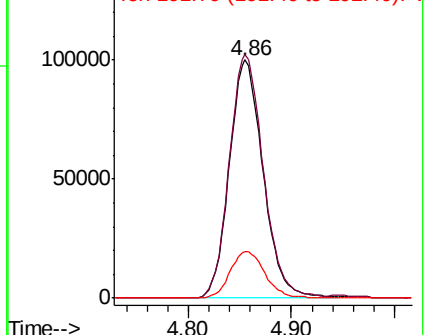
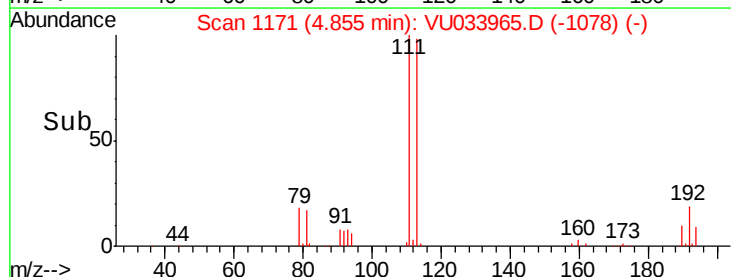
192 20.3 16.2 24.4

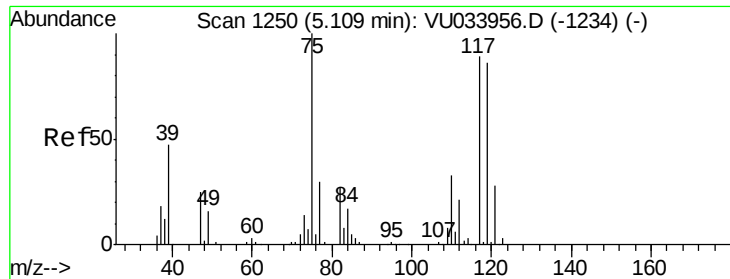


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

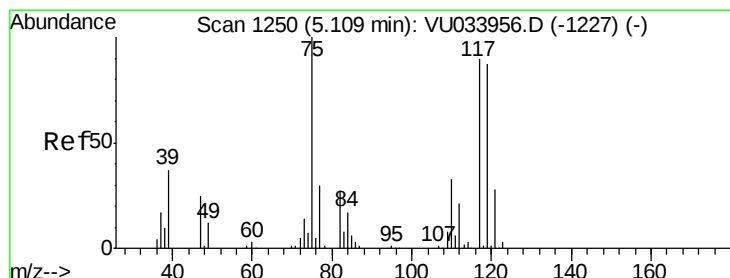
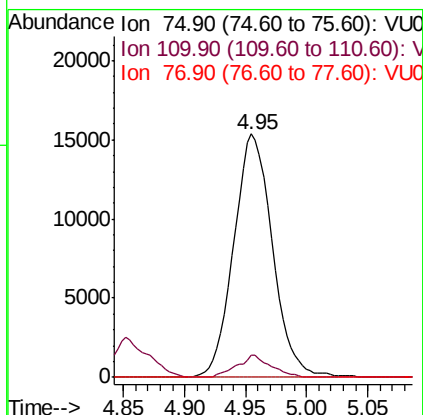
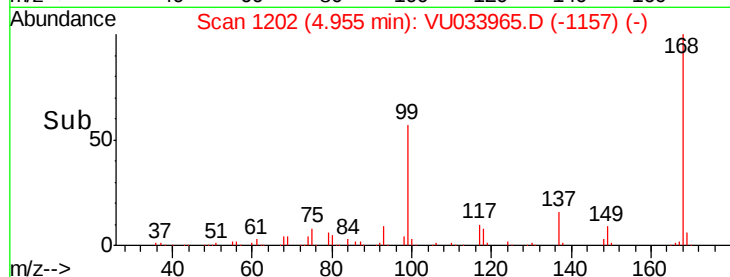
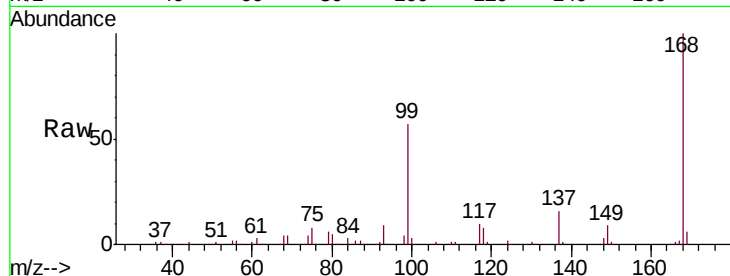




#36
 1,1-Dichloropropene
 Concen: 4.881 ug/l
 RT: 4.95 min Scan# 1202
 Delta R.T. -0.15 min
 Lab File: VU033965.D
 Acq: 26 Aug 2019 22:36

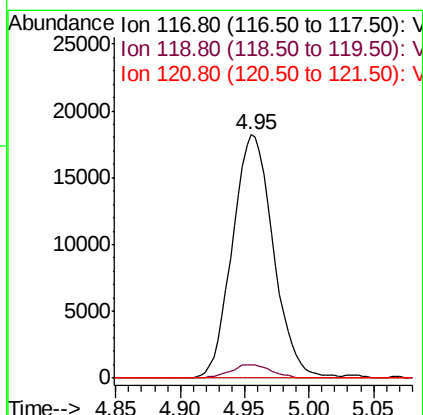
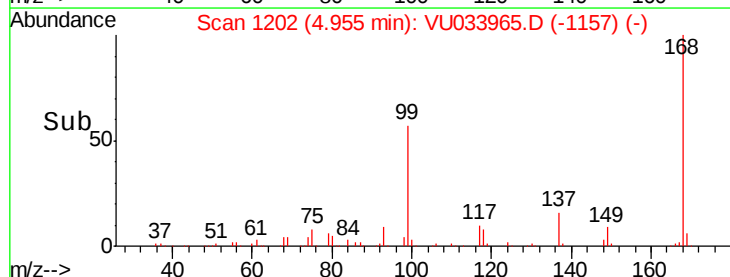
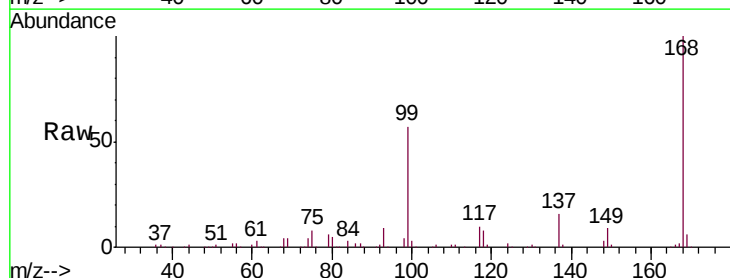
Instrument :
 MSVOA_U
 ClientSampleId :
 TRIP

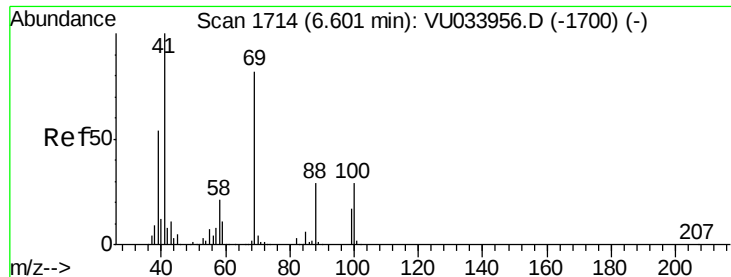
Tgt Ion: 75 Resp: 33842
 Ion Ratio Lower Upper
 75 100
 110 8.0 16.8 50.4#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 5.823 ug/l
 RT: 4.95 min Scan# 1202
 Delta R.T. -0.15 min
 Lab File: VU033965.D
 Acq: 26 Aug 2019 22:36

Tgt Ion: 117 Resp: 40207
 Ion Ratio Lower Upper
 117 100
 119 5.5 76.9 115.3#
 121 0.0 24.9 37.3#

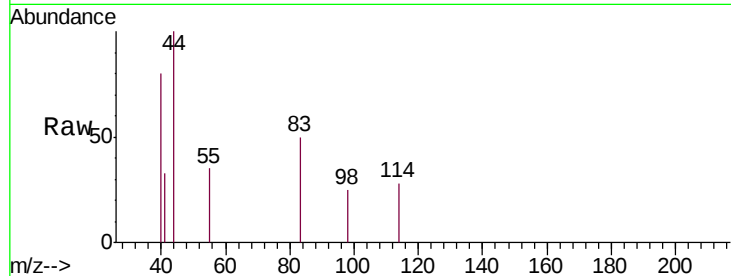




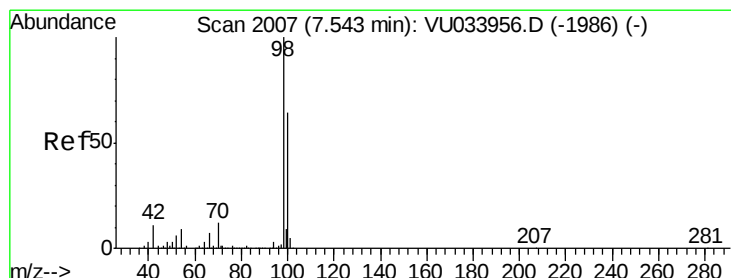
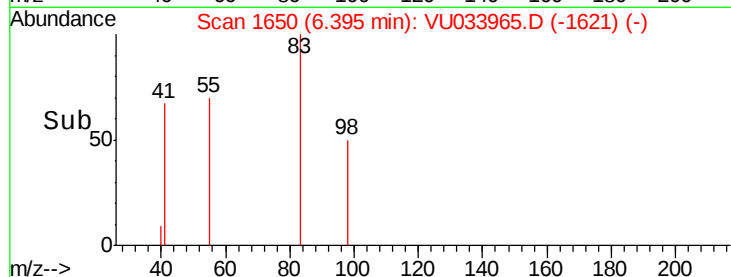
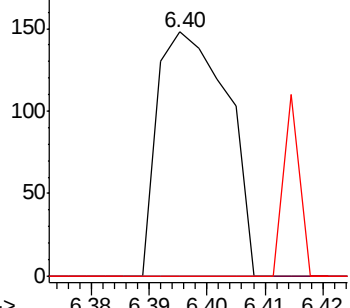
#48
Methyl methacrylate
Concen: 2.331 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. -0.21 min
Lab File: VU033965.D
Acq: 26 Aug 2019 22:36

Instrument :
MSVOA_U
ClientSampled :
TRIP

Tgt Ion: 41 Resp: 123
Ion Ratio Lower Upper
41 100
69 0.0 66.9 100.3#
39 17.1 43.3 64.9#

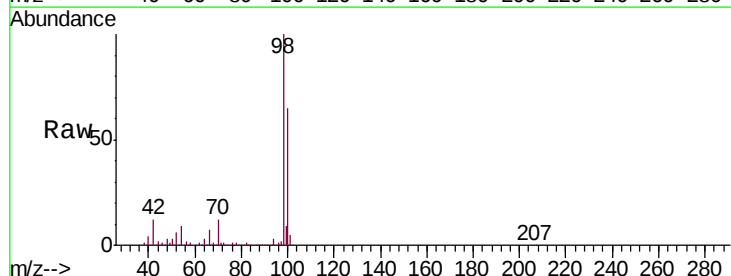


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 39.00 (38.70 to 39.70): VU0

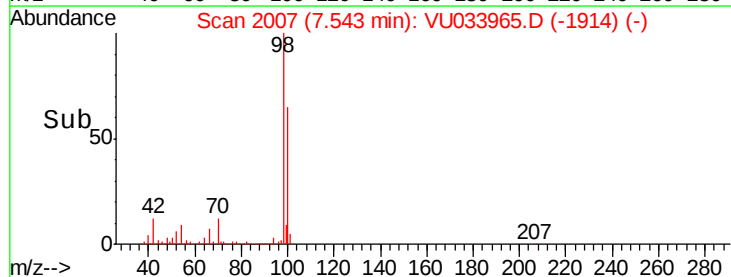
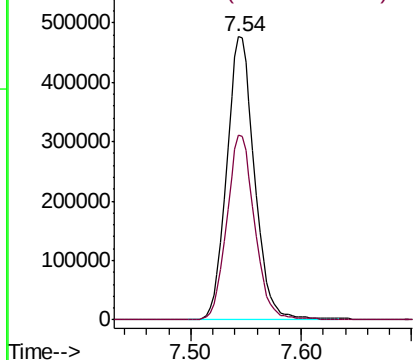


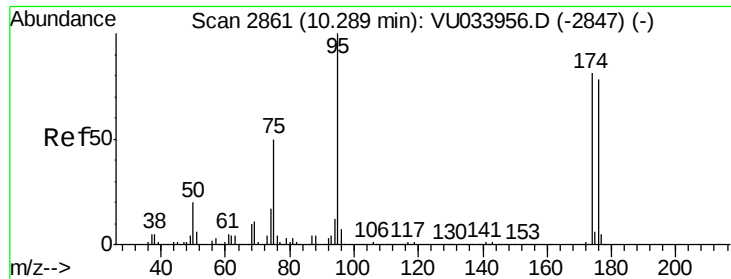
#50
Toluene-d8
Concen: 48.192 ug/l
RT: 7.54 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VU033965.D
Acq: 26 Aug 2019 22:36

Tgt Ion: 98 Resp: 832730
Ion Ratio Lower Upper
98 100
100 65.6 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

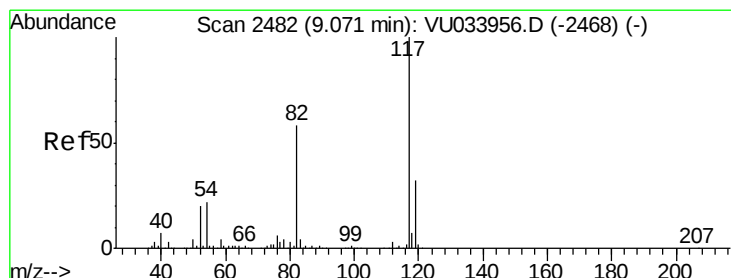
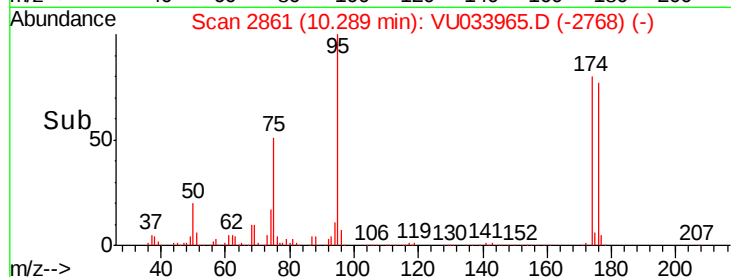
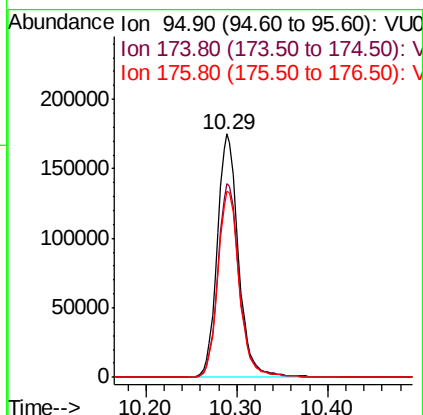
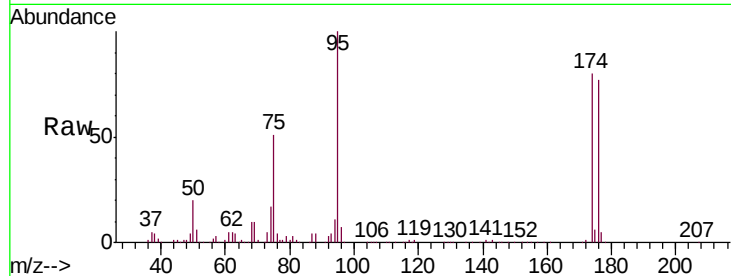




#62
4-Bromofluorobenzene
Concen: 42.519 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. 0.00 min
Lab File: VU033965.D
Acq: 26 Aug 2019 22:36

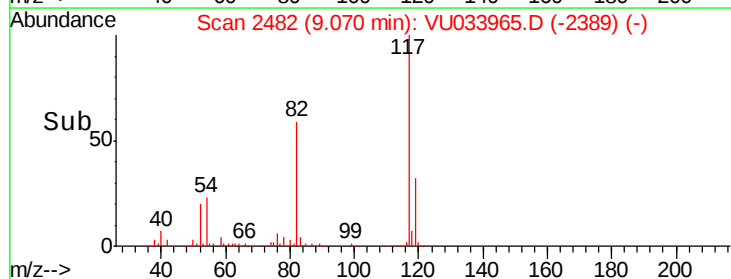
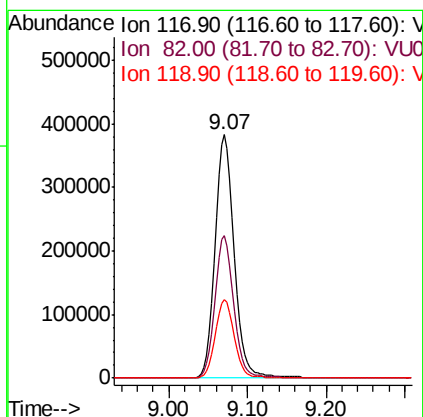
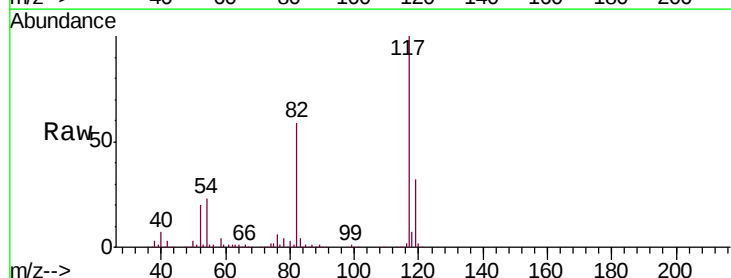
Instrument :
MSVOA_U
ClientSampleId :
TRIP

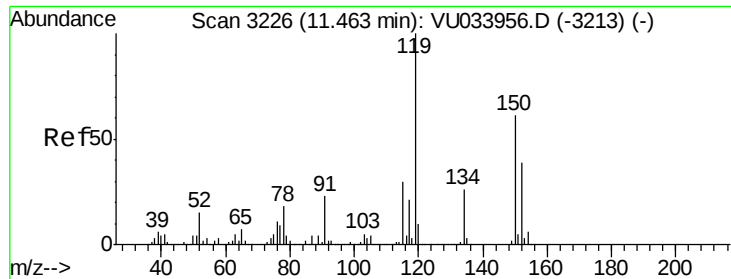
Tgt Ion: 95 Resp: 283221
Ion Ratio Lower Upper
95 100
174 80.7 0.0 160.4
176 77.5 0.0 154.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU033965.D
Acq: 26 Aug 2019 22:36

Tgt Ion: 117 Resp: 642653
Ion Ratio Lower Upper
117 100
82 58.5 46.4 69.6
119 32.3 25.3 37.9



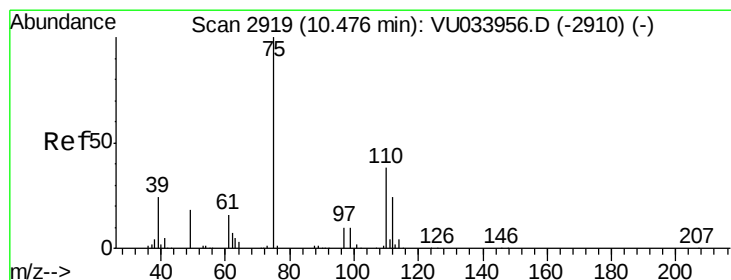
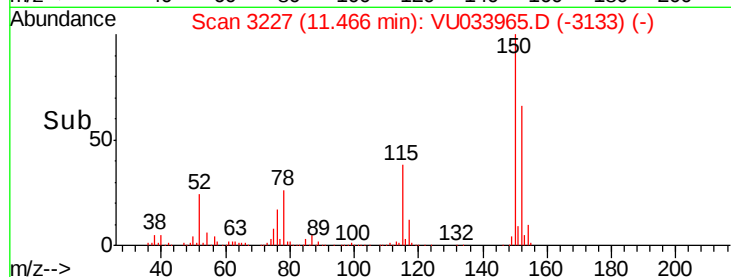
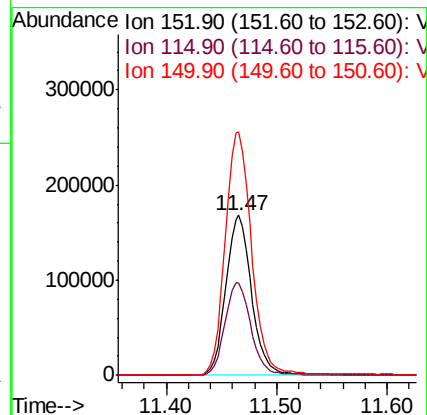
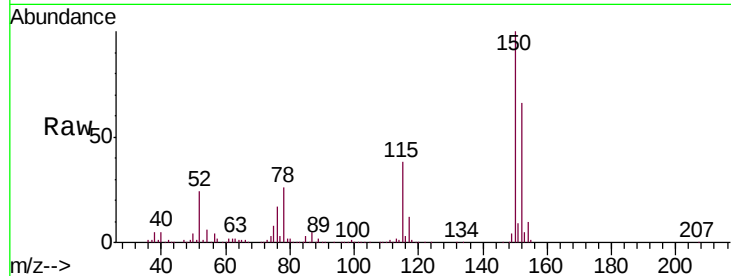


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.47 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VU033965.D
Acq: 26 Aug 2019 22:36

Instrument :
MSVOA_U
ClientSampleId :
TRIP

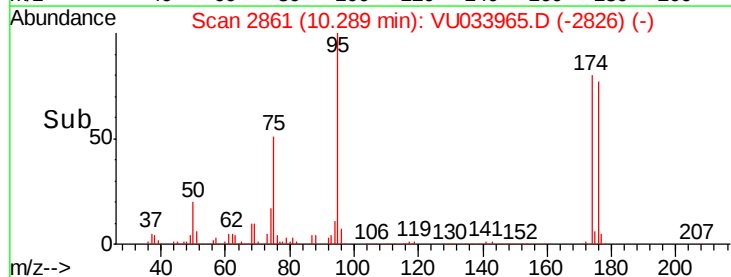
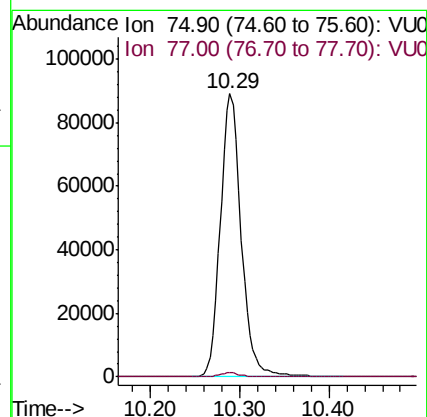
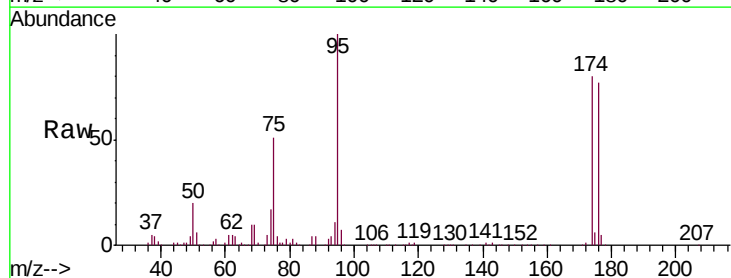
Tgt Ion:152 Resp: 273480
Ion Ratio Lower Upper
152 100
115 58.9 40.3 120.9
150 155.8 0.0 346.0

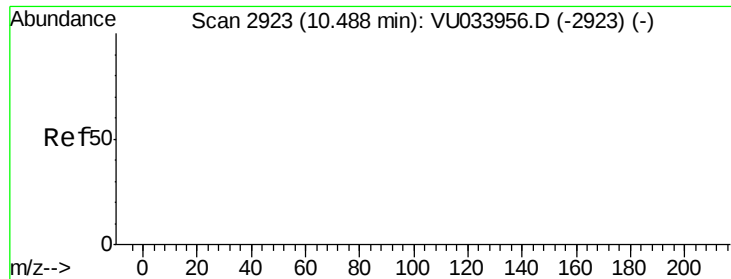


#76

1,2,3-Trichloropropane
Concen: 22.890 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. -0.19 min
Lab File: VU033965.D
Acq: 26 Aug 2019 22:36

Tgt Ion: 75 Resp: 144824
Ion Ratio Lower Upper
75 100
77 1.4 20.1 60.3#

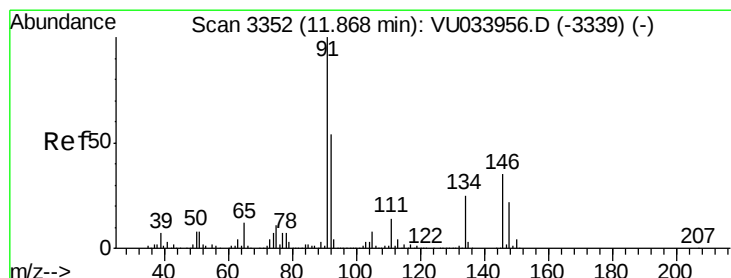
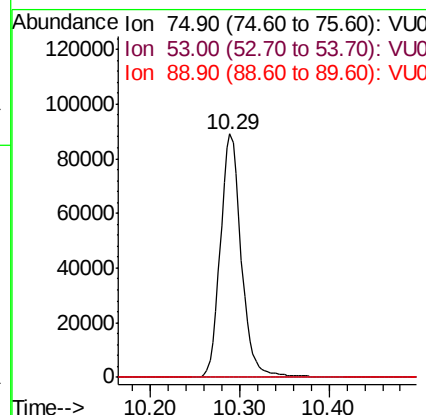
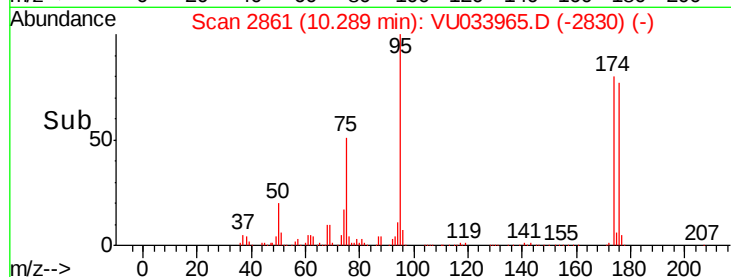
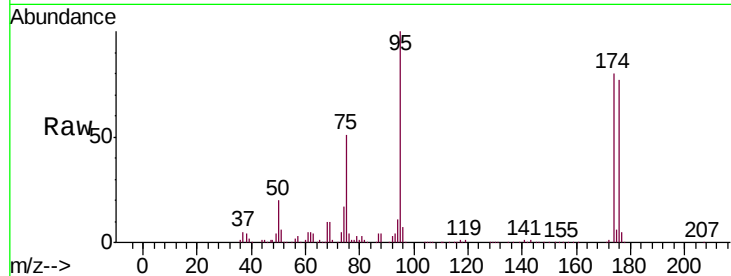




#81
trans-1,4-Dichloro-2-butene
Concen: 61.035 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. -0.20 min
Lab File: VU033965.D
Acq: 26 Aug 2019 22:36

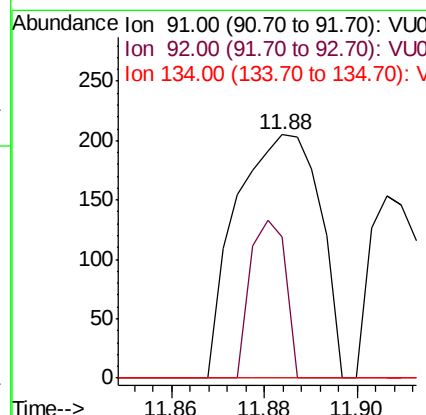
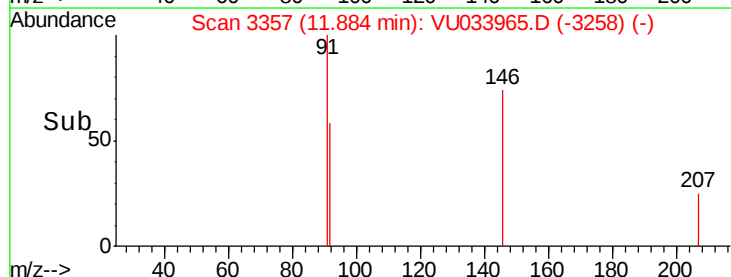
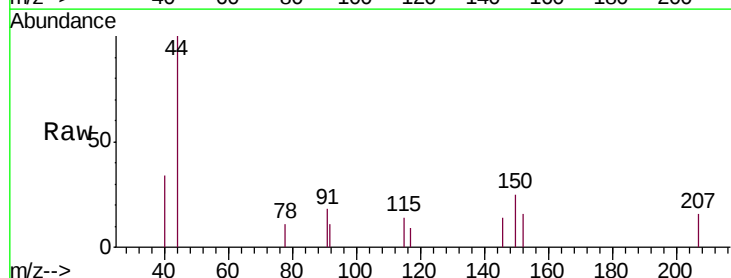
Instrument :
MSVOA_U
ClientSampled :
TRIP

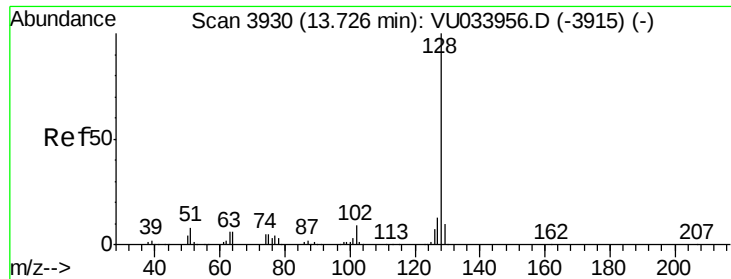
Tgt Ion: 75 Resp: 144824
Ion Ratio Lower Upper
75 100
53 0.1 0.0 0.0#
89 0.0 0.0 0.0



#89
n-Butylbenzene
Concen: 2.687 ug/l
RT: 11.88 min Scan# 3357
Delta R.T. 0.02 min
Lab File: VU033965.D
Acq: 26 Aug 2019 22:36

Tgt Ion: 91 Resp: 257
Ion Ratio Lower Upper
91 100
92 27.2 26.9 80.6
134 0.0 12.6 37.6#





#95

Naphthalene

Concen: 4.509 ug/l

RT: 13.81 min Scan# 3957

Delta R.T. 0.09 min

Lab File: VU033965.D

Acq: 26 Aug 2019 22:36

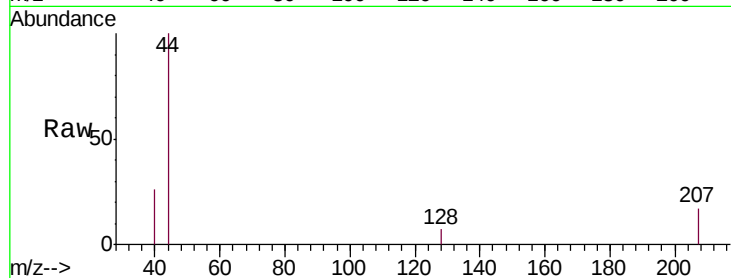
Instrument :

MSVOA_U

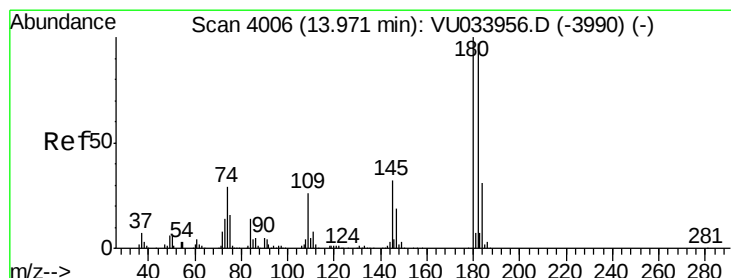
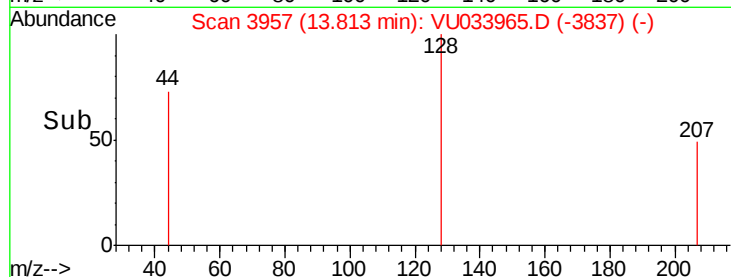
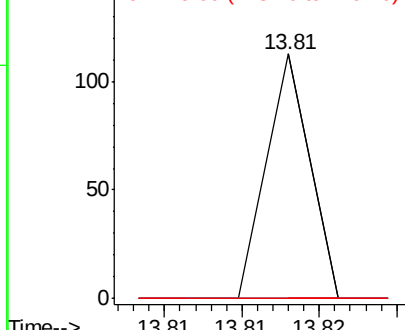
ClientSampleId :

TRIP

Tgt Ion:	128	Resp:	22
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.1	15.1#
129	0.0	8.3	12.5#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 3.033 ug/l

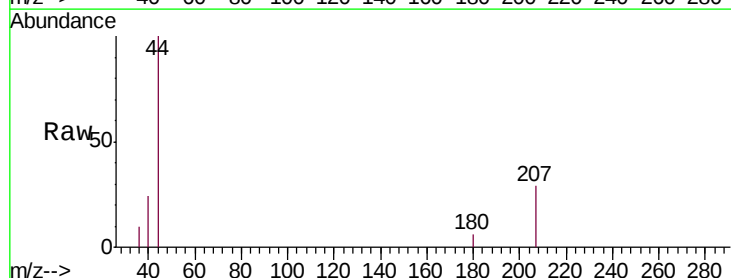
RT: 14.01 min Scan# 4019

Delta R.T. 0.04 min

Lab File: VU033965.D

Acq: 26 Aug 2019 22:36

Tgt Ion:	180	Resp:	41
Ion	Ratio	Lower	Upper
180	100		
182	180.5	48.6	145.8#
145	0.0	15.7	47.0#



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

