

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090519\
 Data File : VU034256.D
 Acq On : 04 Sep 2019 14:34
 Operator : JC/SP
 Sample : K4547-25
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 T3-S-G-(0)

Quant Time: Sep 05 03:38:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 04:11:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	422997	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	677608	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	673209	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	326353	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.29	65	261013	48.16	ug/l	0.00
Spiked Amount			Recovery	=	96.32%	
35) Dibromofluoromethane	4.86	113	220965	47.02	ug/l	0.00
Spiked Amount			Recovery	=	94.04%	
50) Toluene-d8	7.55	98	863727	49.08	ug/l	0.00
Spiked Amount			Recovery	=	98.16%	
62) 4-Bromofluorobenzene	10.29	95	302291	44.16	ug/l	0.00
Spiked Amount			Recovery	=	88.32%	

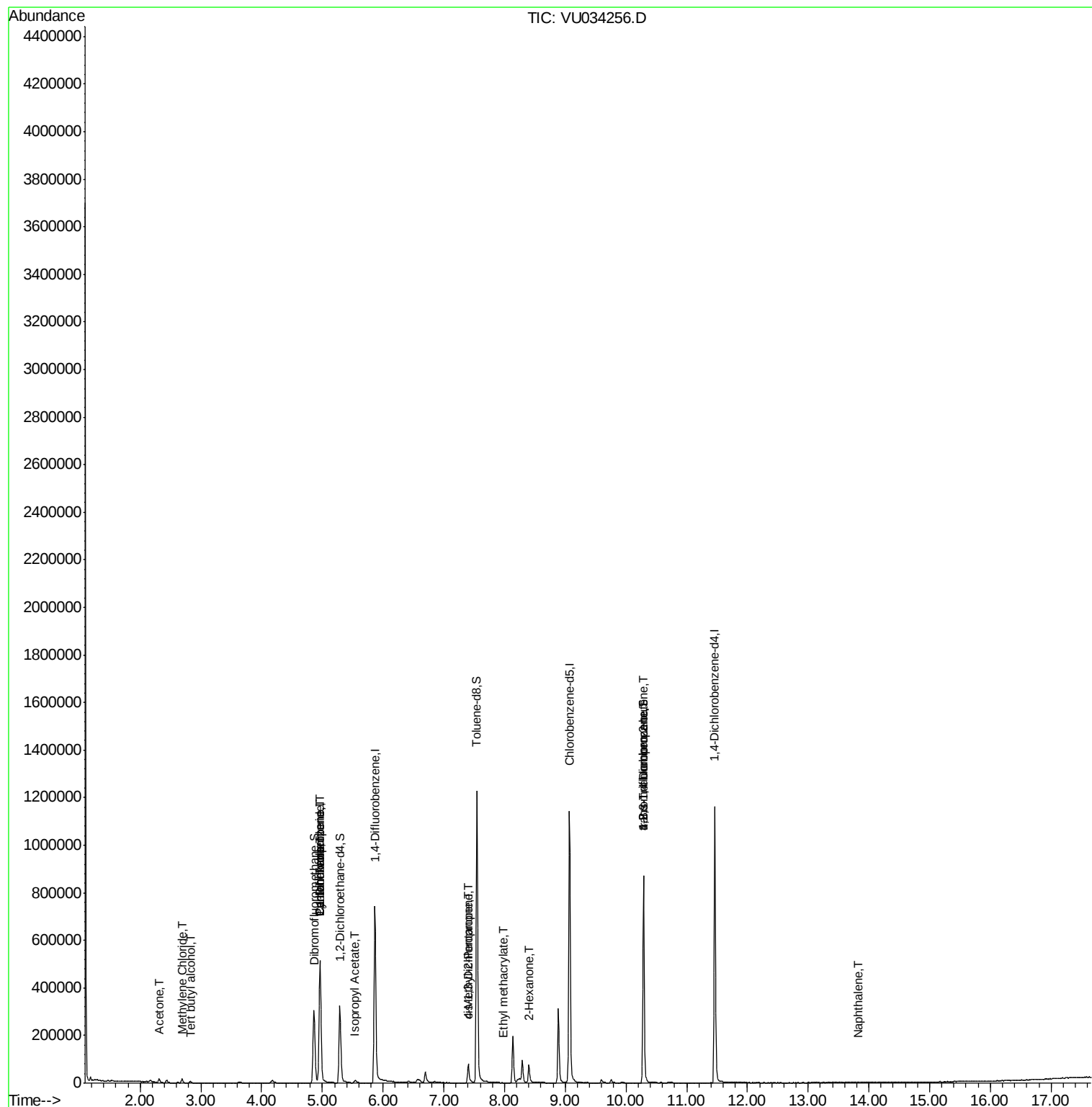
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	466	Below Cal	#	88
5) Bromomethane	1.59	94	47	Below Cal	#	2
11) Tert butyl alcohol	2.82	59	4572	3.658	ug/l #	74
16) Acetone	2.31	43	16486	5.961	ug/l	92
20) Methylene Chloride	2.69	84	7924	1.514	ug/l #	93
31) Cyclohexane	4.96	56	7130	0.881	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	29677	4.630	ug/l #	48
38) Carbon Tetrachloride	4.96	117	37116	5.999	ug/l #	16
43) Isopropyl Acetate	5.54	43	12926	1.184	ug/l	98
51) 4-Methyl-2-Pentanone	7.40	43	27319	3.623	ug/l #	49
54) cis-1,3-Dichloropropene	7.40	75	15159	1.859	ug/l #	62
56) Ethyl methacrylate	7.98	69	91	0.982	ug/l #	27
59) 2-Hexanone	8.40	43	11185	1.965	ug/l #	54
76) 1,2,3-Trichloropropane	10.29	75	141685	19.263	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.29	75	141685	64.862	ug/l #	100
95) Naphthalene	13.82	128	23	1.791	ug/l #	70

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

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Quant Time: Sep 05 03:38:46 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 29 04:11:12 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. 0.01 min

Lab File: VU034256.D

Acq: 04 Sep 2019 14:34

Instrument :

MSVOA_U

ClientSampleId :

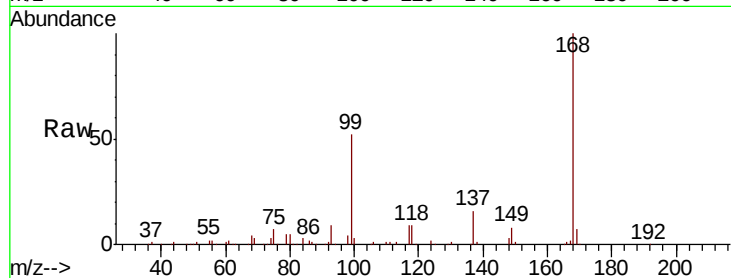
T3-S-G-(0)

Tgt Ion:168 Resp: 422997

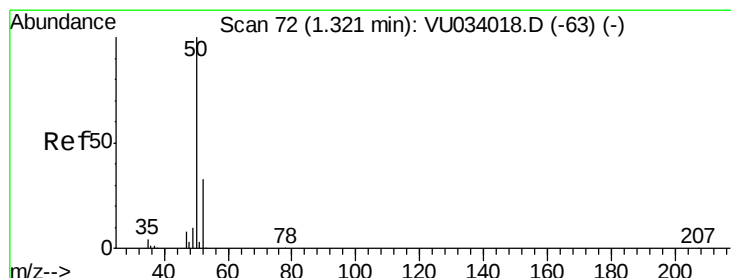
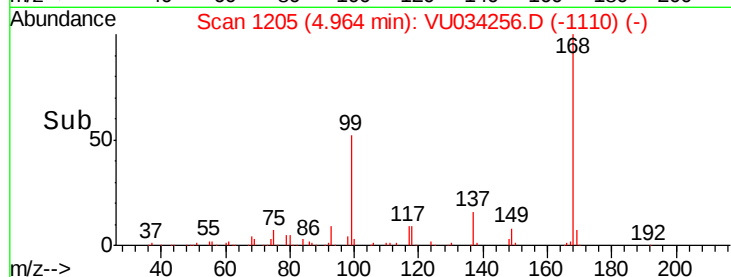
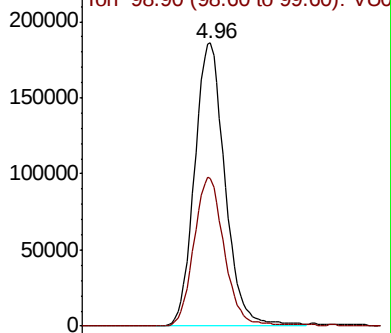
Ion Ratio Lower Upper

168 100

99 52.1 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VU034018.D (-1185) (-)



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 74

Delta R.T. 0.01 min

Lab File: VU034256.D

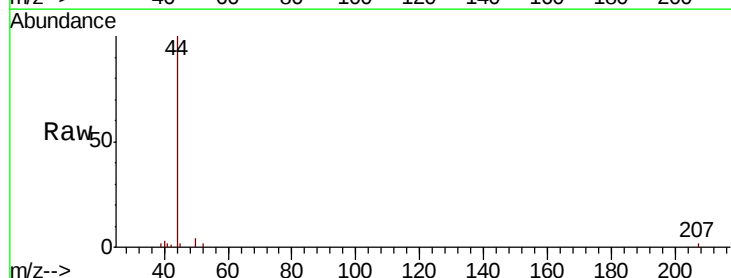
Acq: 04 Sep 2019 14:34

Tgt Ion: 50 Resp: 466

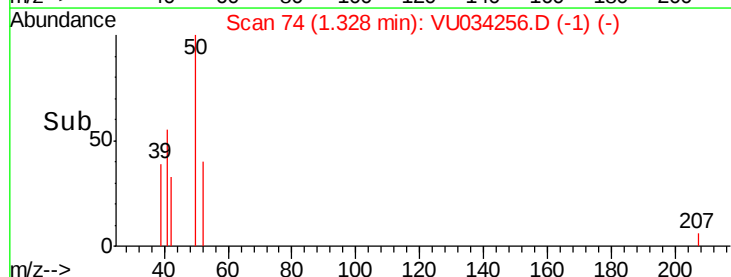
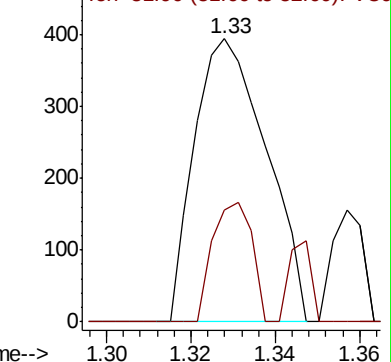
Ion Ratio Lower Upper

50 100

52 39.6 26.2 39.4#



Abundance Ion 49.90 (49.60 to 50.60): VU034018.D (-63) (-)





#5

Bromomethane

Concen: Below Cal

RT: 1.59 min Scan# 156

Delta R.T. -0.01 min

Lab File: VU034256.D

Acq: 04 Sep 2019 14:34

Instrument :

MSVOA_U

ClientSampleId :

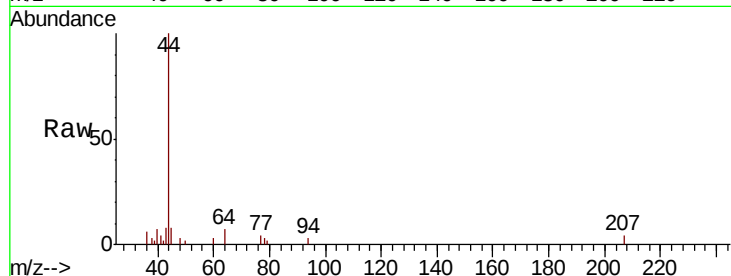
T3-S-G-(0)

Tgt Ion: 94 Resp: 47

Ion Ratio Lower Upper

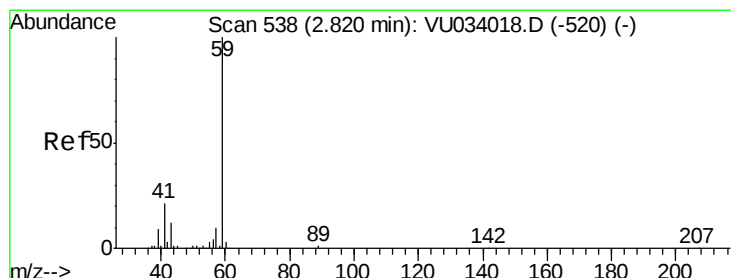
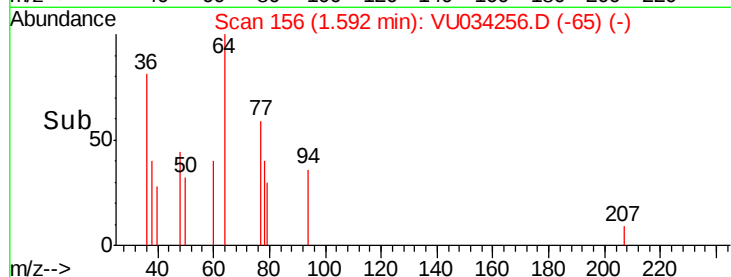
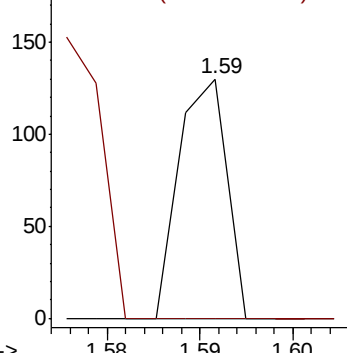
94 100

96 0.0 76.3 114.5#



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#11

Tert butyl alcohol

Concen: 3.658 ug/l

RT: 2.82 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU034256.D

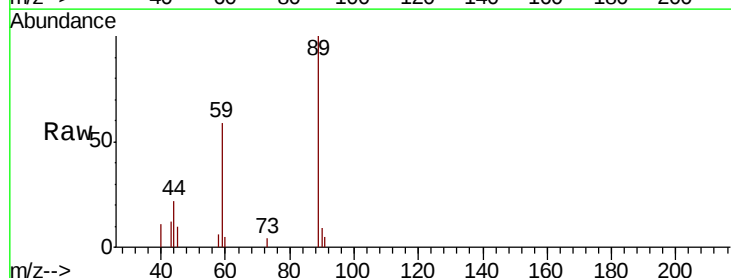
Acq: 04 Sep 2019 14:34

Tgt Ion: 59 Resp: 4572

Ion Ratio Lower Upper

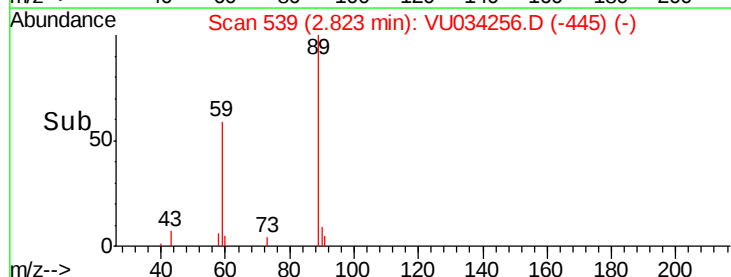
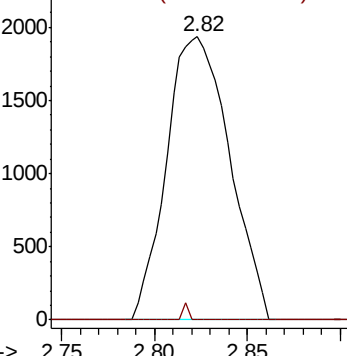
59 100

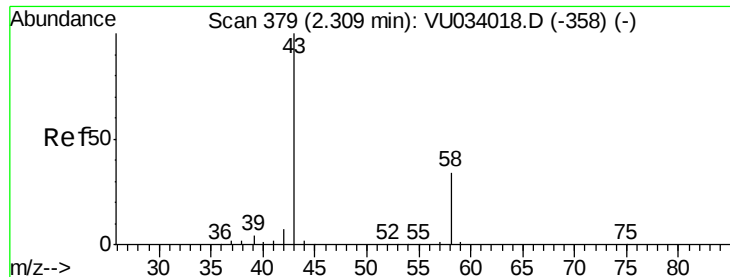
57 0.5 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#16

Acetone

Concen: 5.961 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034256.D

Acq: 04 Sep 2019 14:34

Instrument :

MSVOA_U

ClientSampleId :

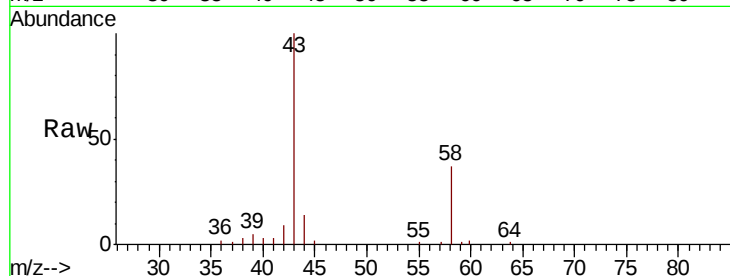
T3-S-G-(0)

Tgt Ion: 43 Resp: 16486

Ion Ratio Lower Upper

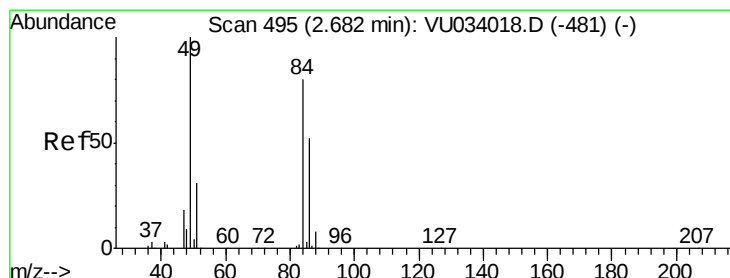
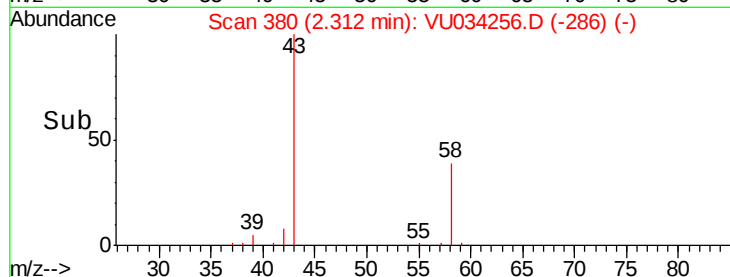
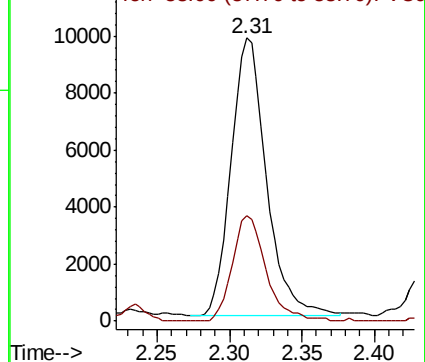
43 100

58 38.1 26.8 40.2



Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-358) (-)

Ion 58.00 (57.70 to 58.70): VU034018.D (-358) (-)



#20

Methylene Chloride

Concen: 1.514 ug/l

RT: 2.69 min Scan# 498

Delta R.T. 0.01 min

Lab File: VU034256.D

Acq: 04 Sep 2019 14:34

Tgt Ion: 84 Resp: 7924

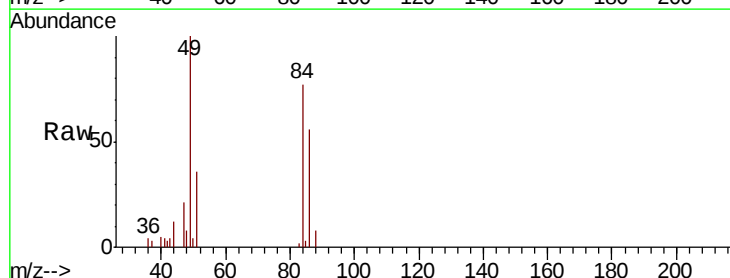
Ion Ratio Lower Upper

84 100

49 129.8 100.2 150.4

51 46.3 30.8 46.2#

86 73.2 52.5 78.7

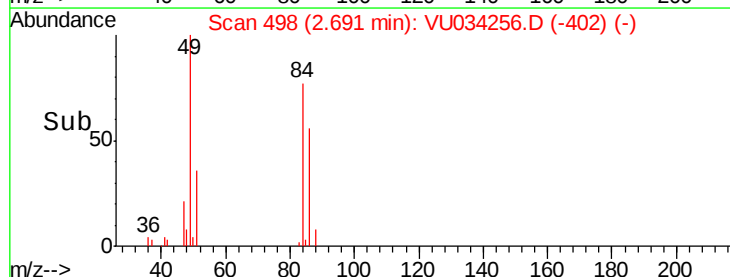
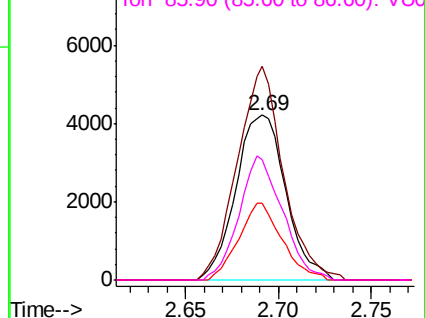


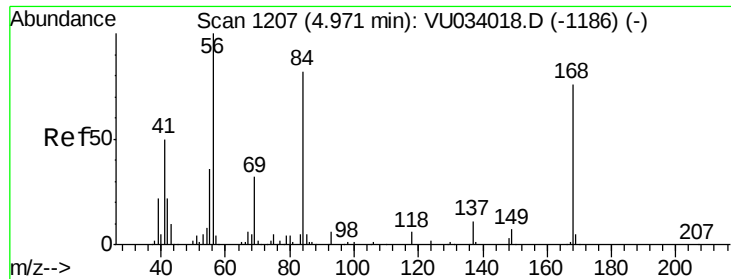
Abundance Ion 83.90 (83.60 to 84.60): VU034018.D (-481) (-)

Ion 48.90 (48.60 to 49.60): VU034018.D (-481) (-)

Ion 50.90 (50.60 to 51.60): VU034018.D (-481) (-)

Ion 85.90 (85.60 to 86.60): VU034018.D (-481) (-)

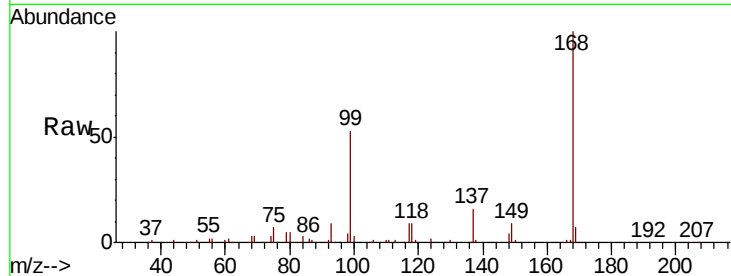




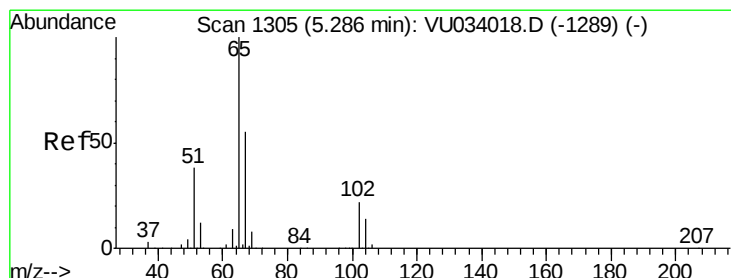
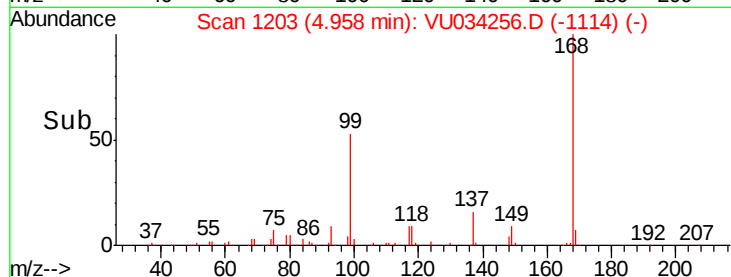
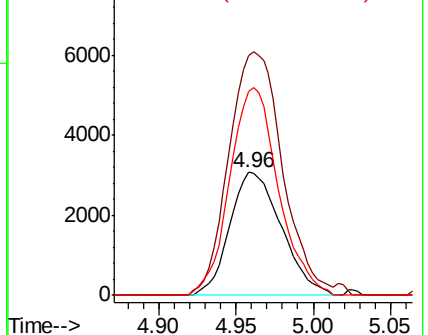
#31
Cyclohexane
Concen: 0.881 ug/l
RT: 4.96 min Scan# 1203
Delta R.T. -0.01 min
Lab File: VU034256.D
Acq: 04 Sep 2019 14:34

Instrument :
MSVOA_U
ClientSampleId :
T3-S-G-(0)

Tgt Ion: 56 Resp: 7130
Ion Ratio Lower Upper
56 100
69 195.3 25.4 38.0#
84 165.9 65.8 98.8#

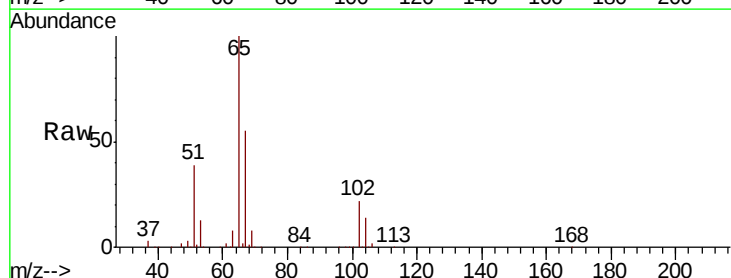


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

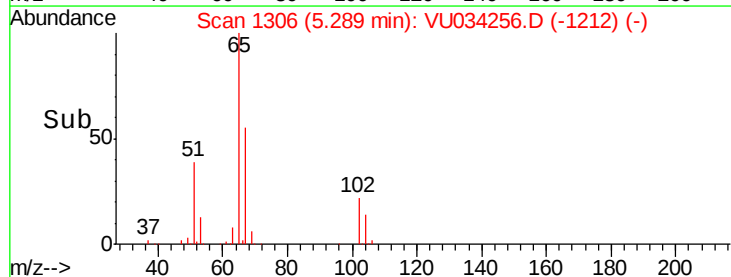
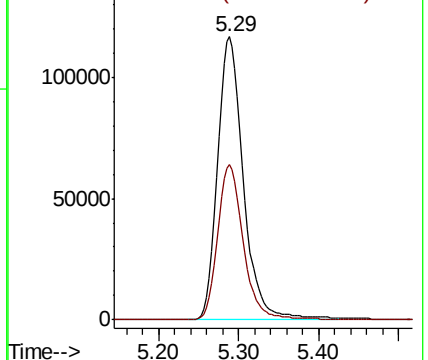


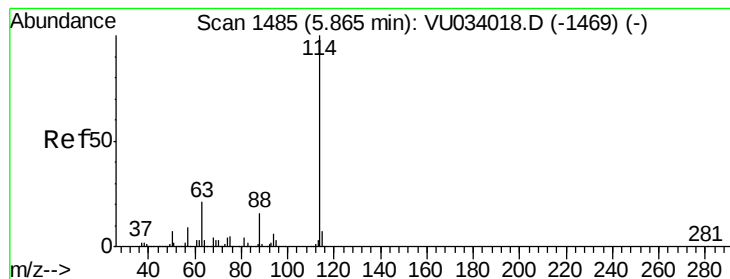
#33
1,2-Dichloroethane-d4
Concen: 48.157 ug/l
RT: 5.29 min Scan# 1306
Delta R.T. 0.00 min
Lab File: VU034256.D
Acq: 04 Sep 2019 14:34

Tgt Ion: 65 Resp: 261013
Ion Ratio Lower Upper
65 100
67 54.0 0.0 110.6



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: 5.87 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VU034256.D

Acq: 04 Sep 2019 14:34

Instrument :

MSVOA_U

ClientSampleId :

T3-S-G-(0)

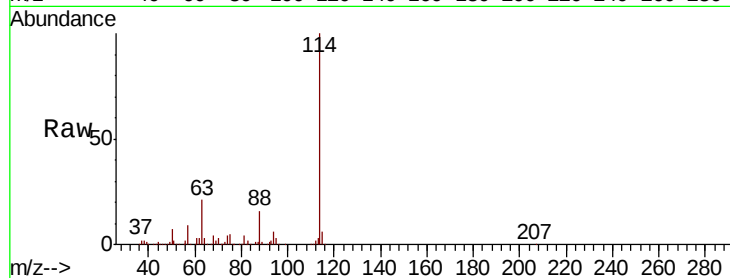
Tgt Ion:114 Resp: 677608

Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.0

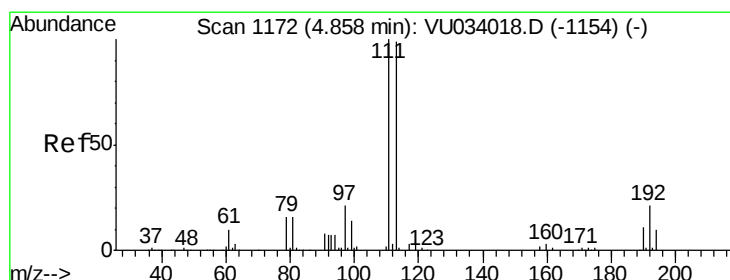
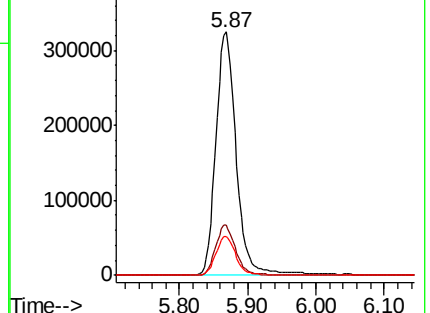
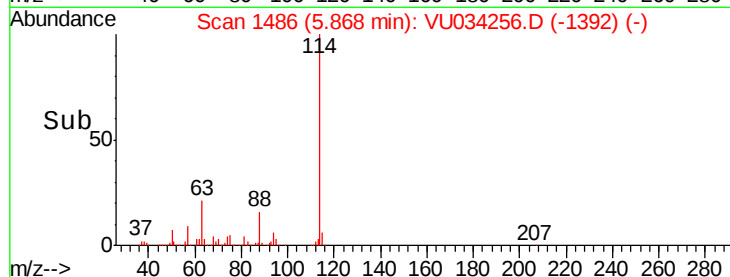
88 16.0 0.0 32.0



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: 47.016 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034256.D

Acq: 04 Sep 2019 14:34

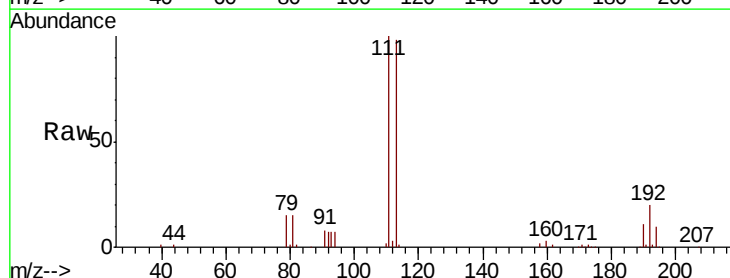
Tgt Ion:113 Resp: 220965

Ion Ratio Lower Upper

113 100

111 101.9 81.7 122.5

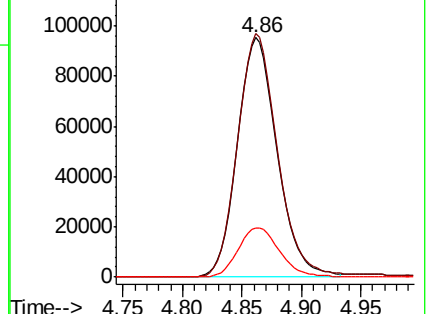
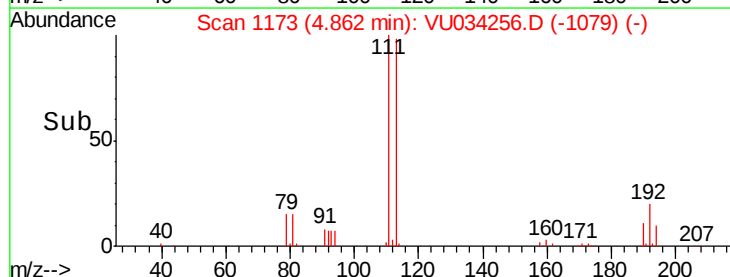
192 21.5 17.1 25.7

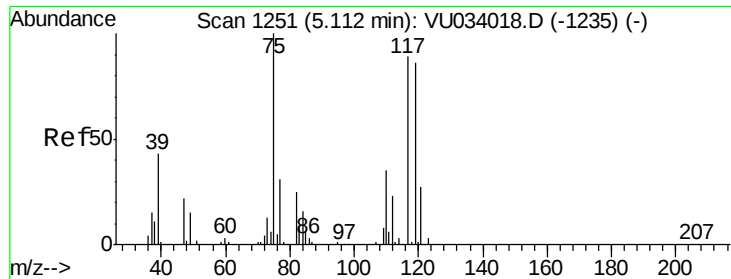


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

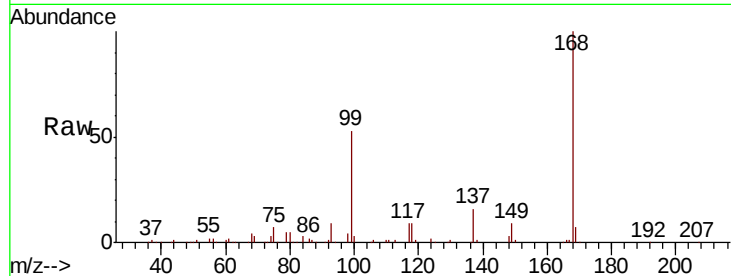




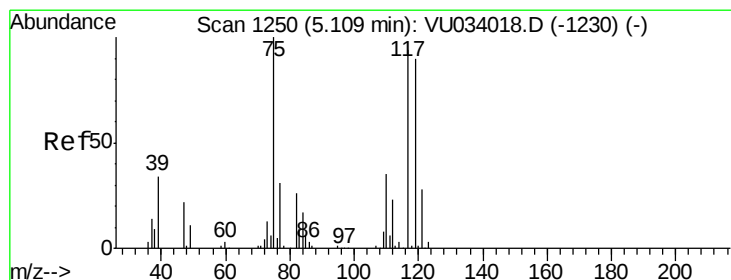
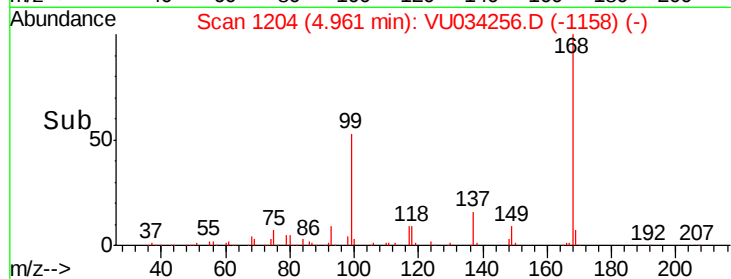
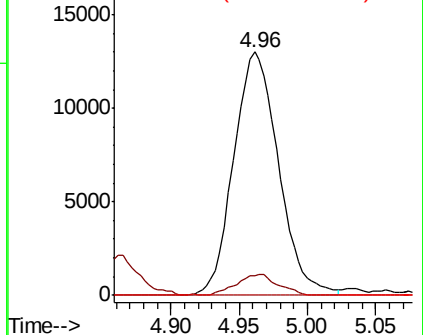
#36
 1,1-Dichloropropene
 Concen: 4.630 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034256.D
 Acq: 04 Sep 2019 14:34

Instrument :
 MSVOA_U
 ClientSampleId :
 T3-S-G-(0)

Tgt Ion: 75 Resp: 29677
 Ion Ratio Lower Upper
 75 100
 110 8.0 17.8 53.5#
 77 0.0 25.0 37.4#

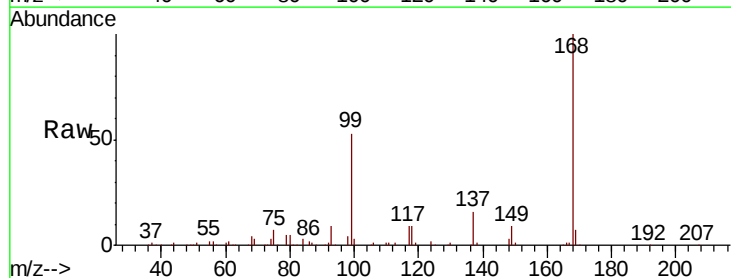


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

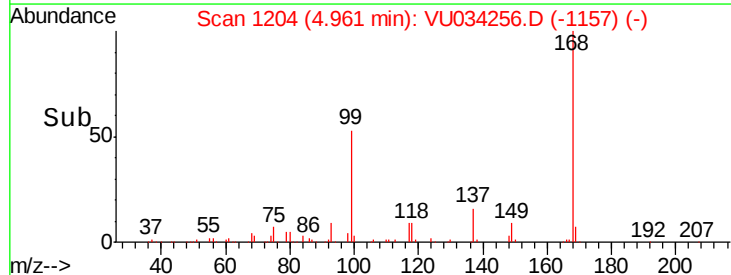
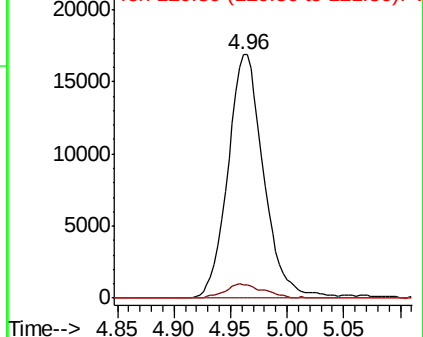


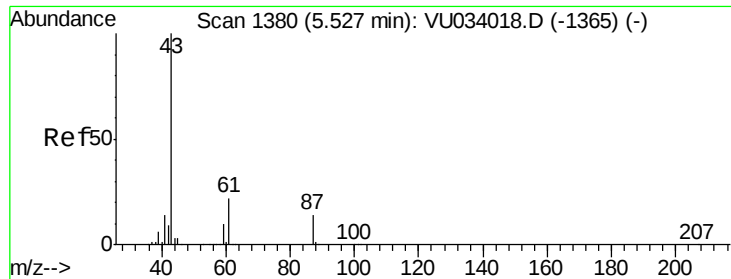
#38
 Carbon Tetrachloride
 Concen: 5.999 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034256.D
 Acq: 04 Sep 2019 14:34

Tgt Ion: 117 Resp: 37116
 Ion Ratio Lower Upper
 117 100
 119 5.6 77.0 115.4#
 121 0.0 23.9 35.9#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

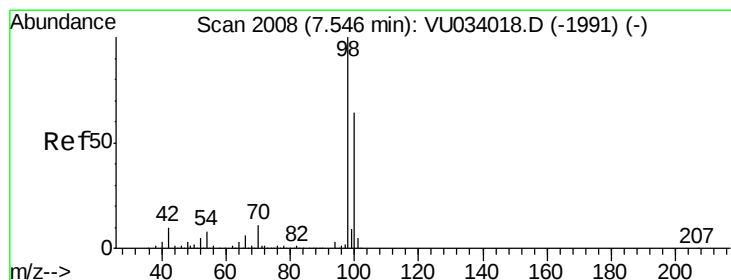
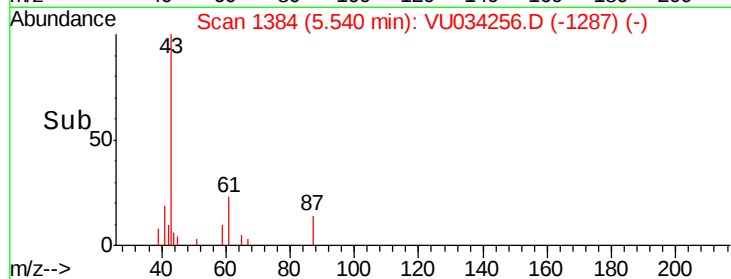
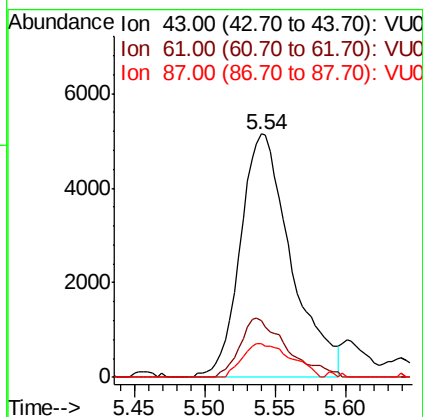
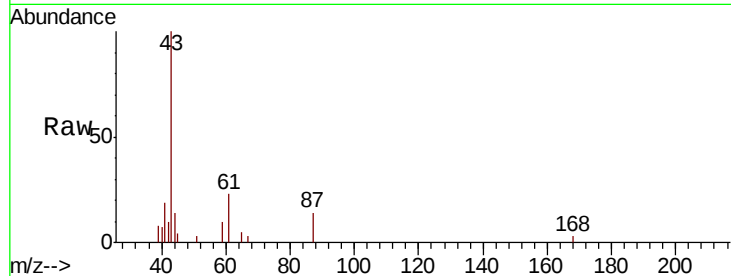




#43
Isopropyl Acetate
Concen: 1.184 ug/l
RT: 5.54 min Scan# 1384
Delta R.T. 0.01 min
Lab File: VU034256.D
Acq: 04 Sep 2019 14:34

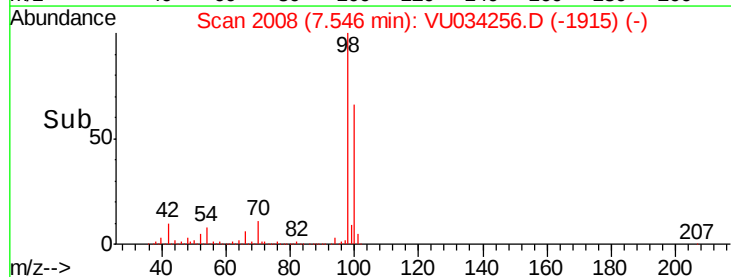
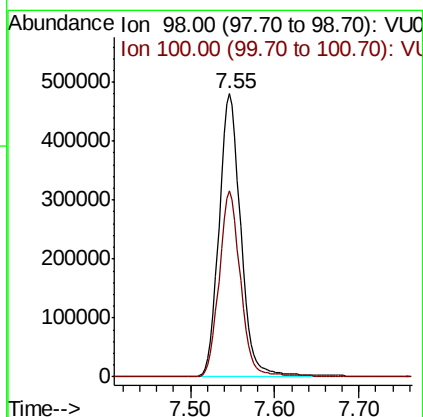
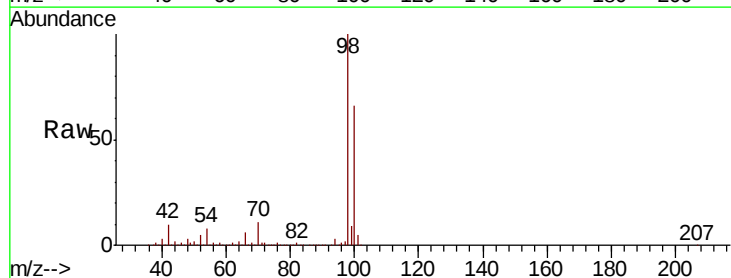
Instrument :
MSVOA_U
ClientSampleId :
T3-S-G-(0)

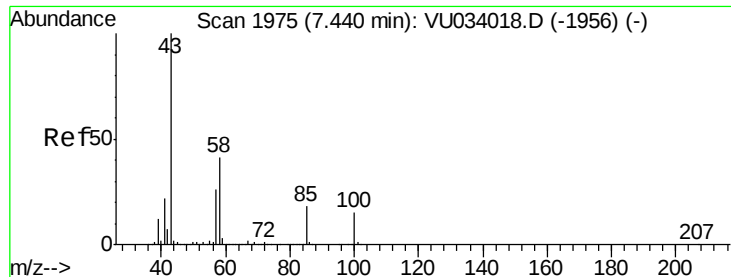
Tgt Ion: 43 Resp: 12926
Ion Ratio Lower Upper
43 100
61 22.5 17.2 25.8
87 13.3 10.8 16.2



#50
Toluene-d8
Concen: 49.081 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034256.D
Acq: 04 Sep 2019 14:34

Tgt Ion: 98 Resp: 863727
Ion Ratio Lower Upper
98 100
100 65.2 50.3 75.5

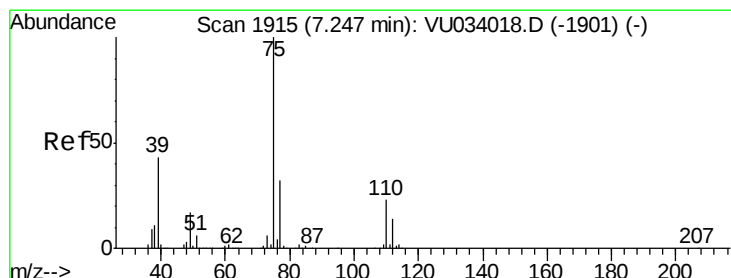
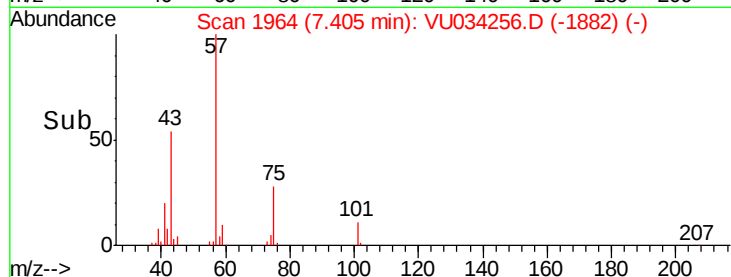
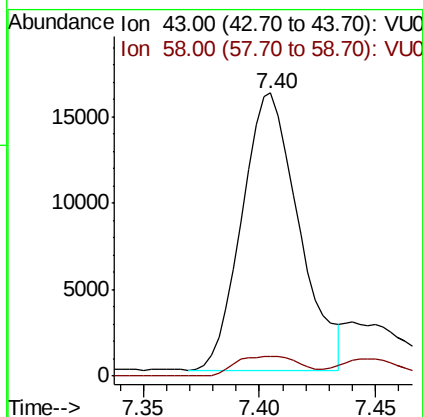
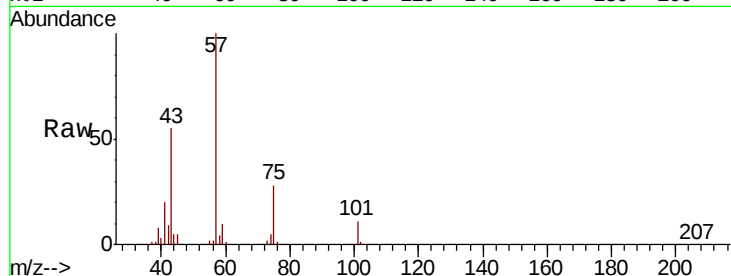




#51
 4-Methyl-2-Pentanone
 Concen: 3.623 ug/l
 RT: 7.40 min Scan# 1964
 Delta R.T. -0.04 min
 Lab File: VU034256.D
 Acq: 04 Sep 2019 14:34

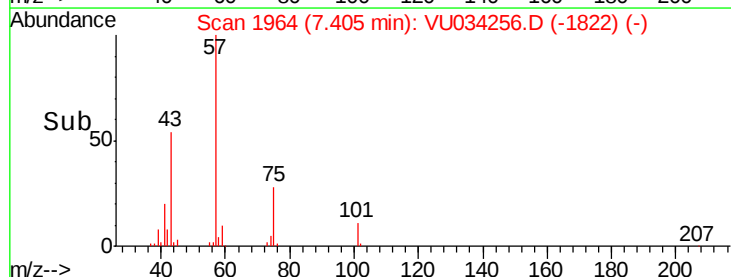
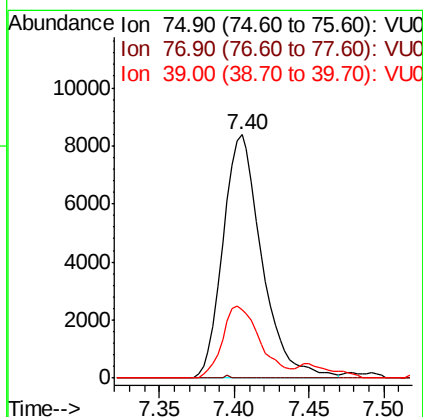
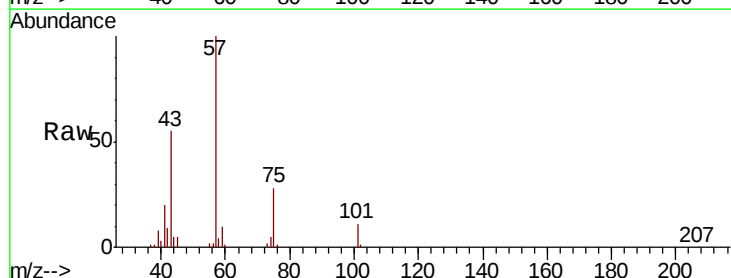
Instrument :
 MSVOA_U
 ClientSampleId :
 T3-S-G-(0)

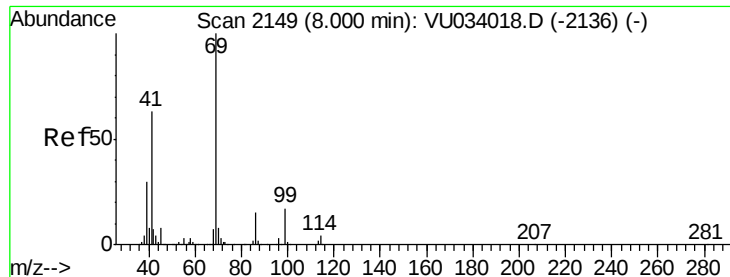
Tgt Ion: 43 Resp: 27319
 Ion Ratio Lower Upper
 43 100
 58 8.4 32.2 48.4#



#54
 cis-1,3-Dichloropropene
 Concen: 1.859 ug/l
 RT: 7.40 min Scan# 1964
 Delta R.T. 0.16 min
 Lab File: VU034256.D
 Acq: 04 Sep 2019 14:34

Tgt Ion: 75 Resp: 15159
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.2 37.8#
 39 28.1 34.6 51.8#





#56

Ethyl methacrylate

Concen: 0.982 ug/l

RT: 7.98 min Scan# 2142

Delta R.T. -0.02 min

Lab File: VU034256.D

Acq: 04 Sep 2019 14:34

Instrument :

MSVOA_U

ClientSampleId :

T3-S-G-(0)

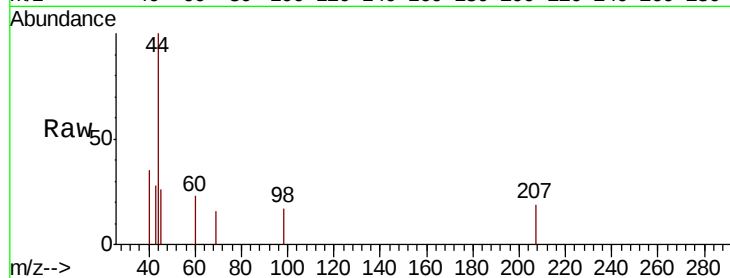
Tgt Ion: 69 Resp: 91

Ion Ratio Lower Upper

69 100

41 0.0 50.7 76.1#

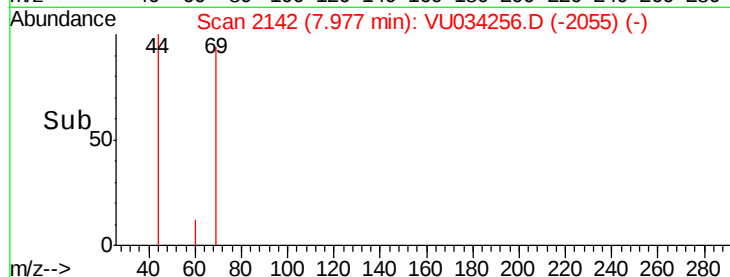
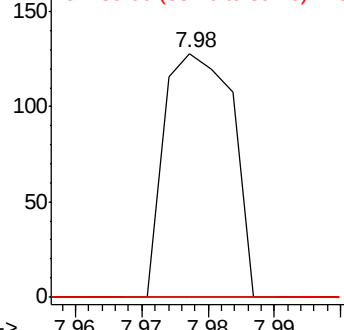
39 0.0 24.2 36.2#



Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0



#59

2-Hexanone

Concen: 1.965 ug/l

RT: 8.40 min Scan# 2275

Delta R.T. 0.06 min

Lab File: VU034256.D

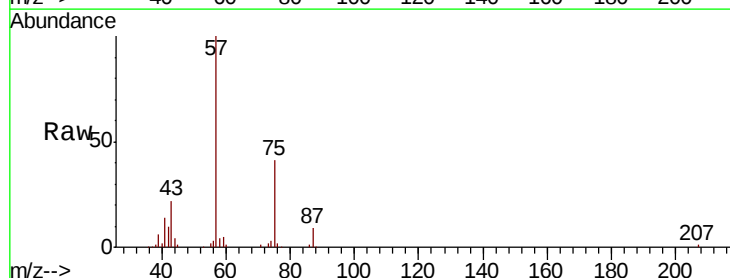
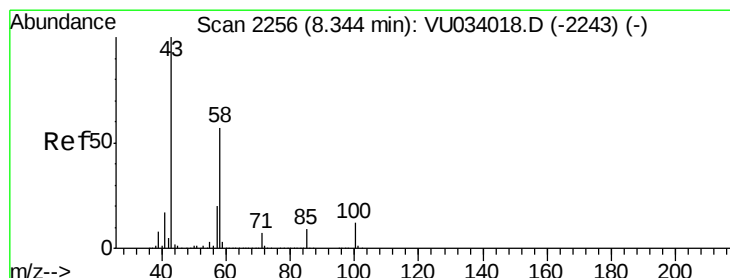
Acq: 04 Sep 2019 14:34

Tgt Ion: 43 Resp: 11185

Ion Ratio Lower Upper

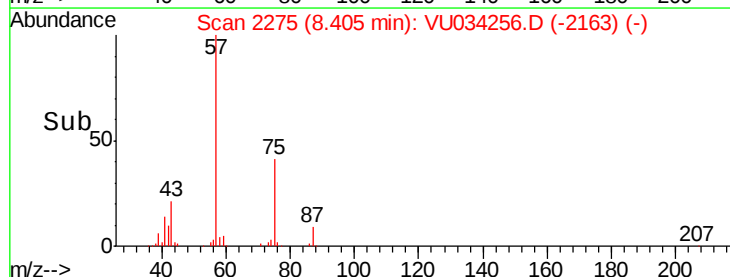
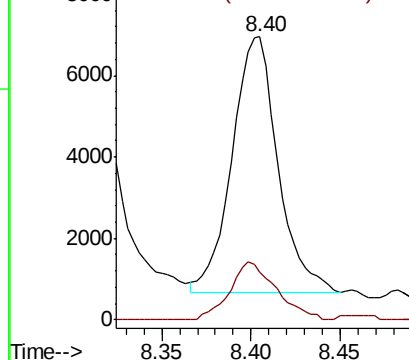
43 100

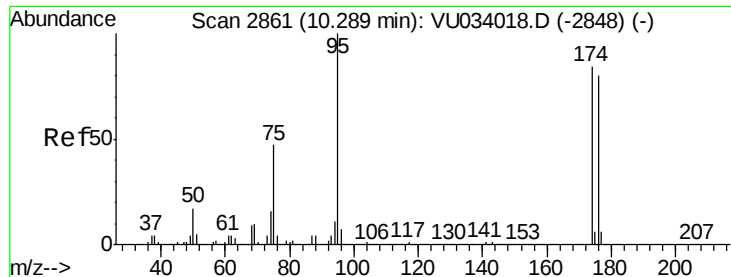
58 23.1 28.4 85.3#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

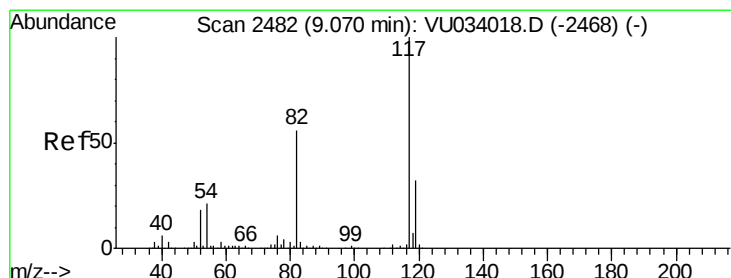
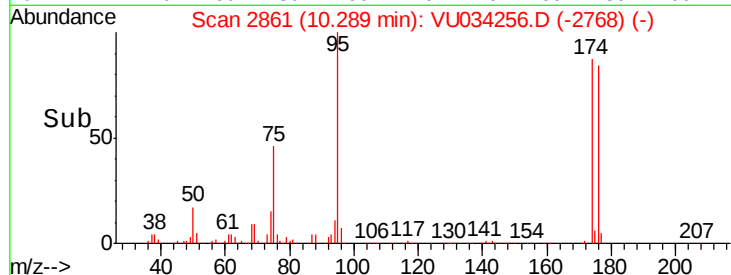
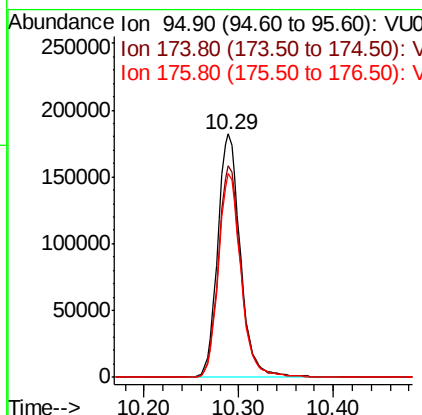
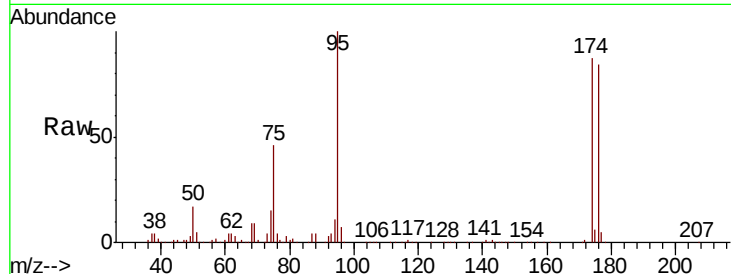




#62
4-Bromofluorobenzene
Concen: 44.160 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. 0.00 min
Lab File: VU034256.D
Acq: 04 Sep 2019 14:34

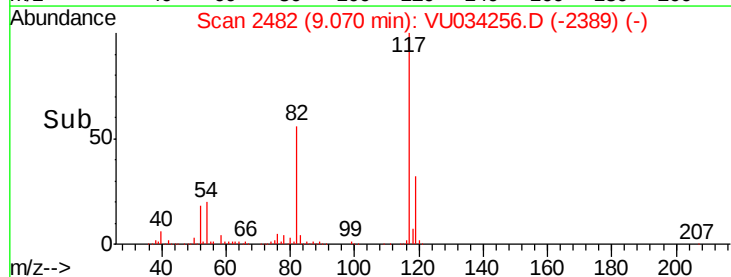
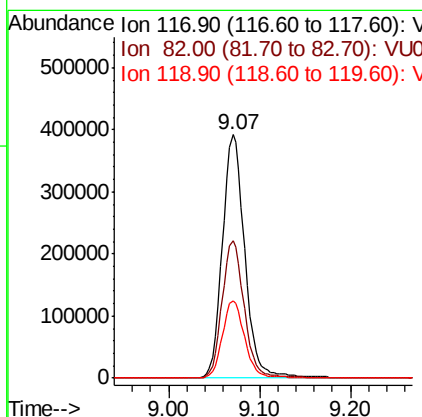
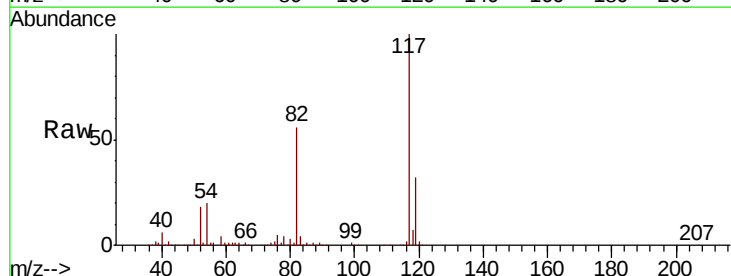
Instrument :
MSVOA_U
ClientSampleId :
T3-S-G-(0)

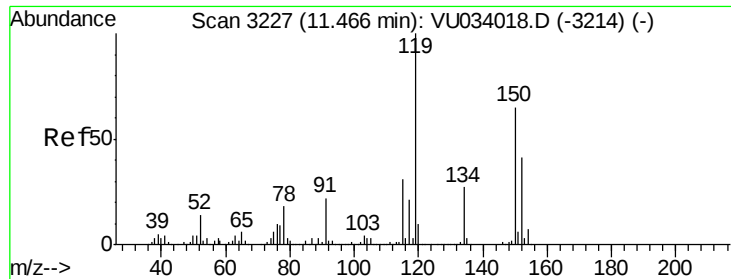
Tgt Ion: 95 Resp: 302291
Ion Ratio Lower Upper
95 100
174 87.0 0.0 168.8
176 83.0 0.0 161.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034256.D
Acq: 04 Sep 2019 14:34

Tgt Ion: 117 Resp: 673209
Ion Ratio Lower Upper
117 100
82 56.5 45.1 67.7
119 32.0 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3226

Delta R.T. -0.00 min

Lab File: VU034256.D

Acq: 04 Sep 2019 14:34

Instrument :

MSVOA_U

ClientSampleId :

T3-S-G(0)

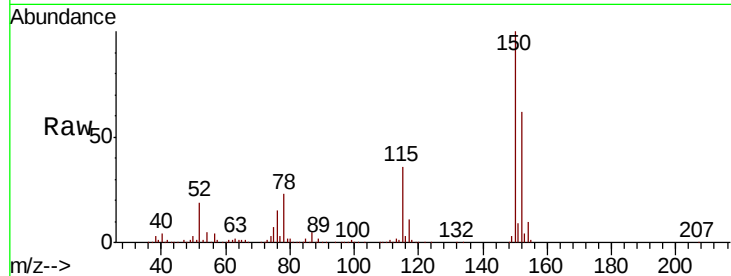
Tgt Ion:152 Resp: 326353

Ion Ratio Lower Upper

152 100

115 57.5 41.1 123.3

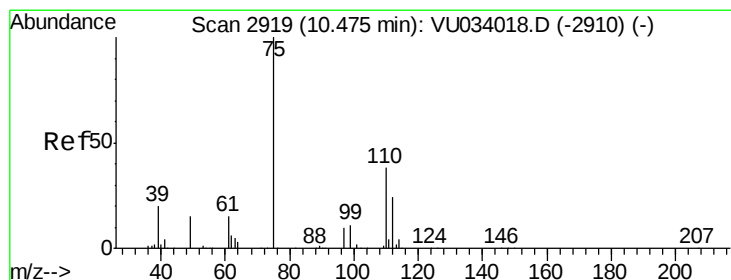
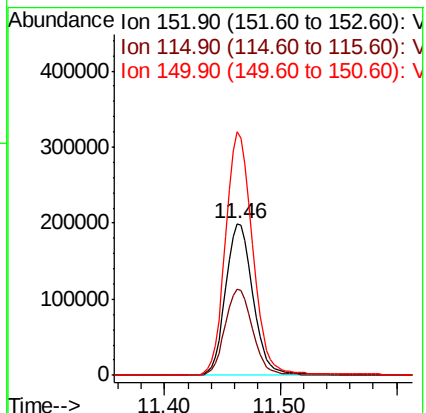
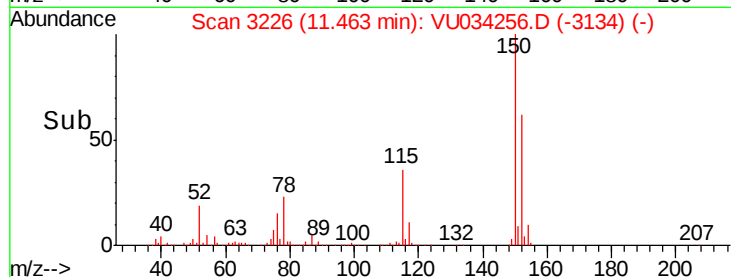
150 158.1 0.0 348.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 19.263 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.19 min

Lab File: VU034256.D

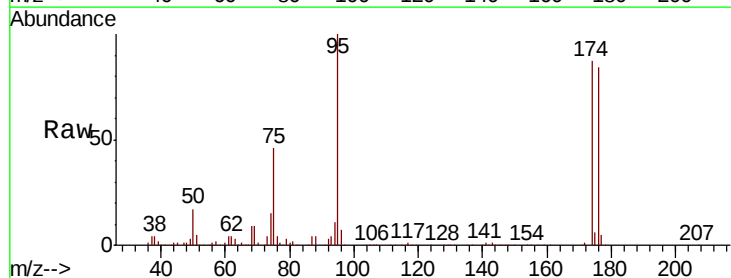
Acq: 04 Sep 2019 14:34

Tgt Ion: 75 Resp: 141685

Ion Ratio Lower Upper

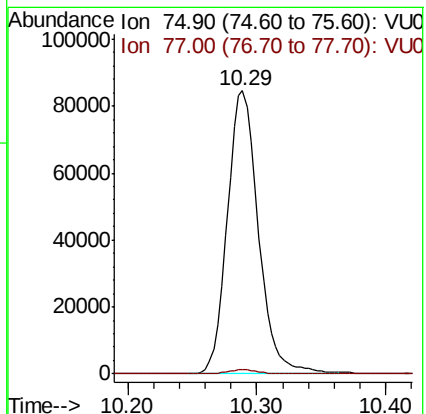
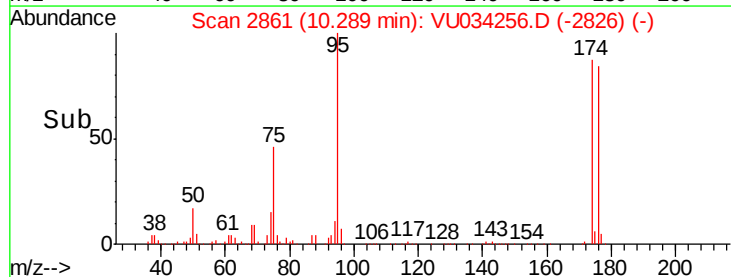
75 100

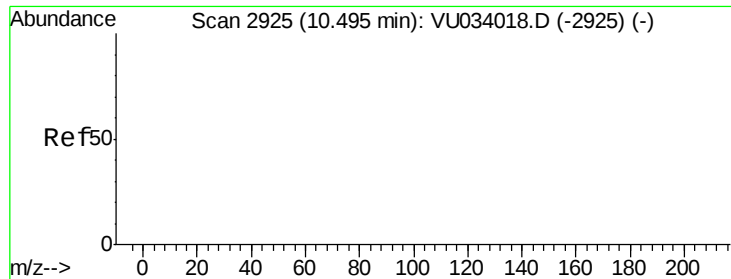
77 1.4 20.1 60.2#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

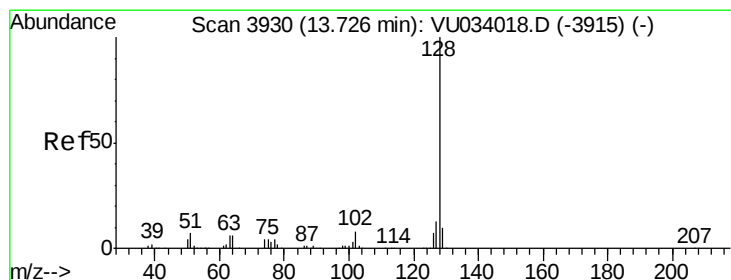
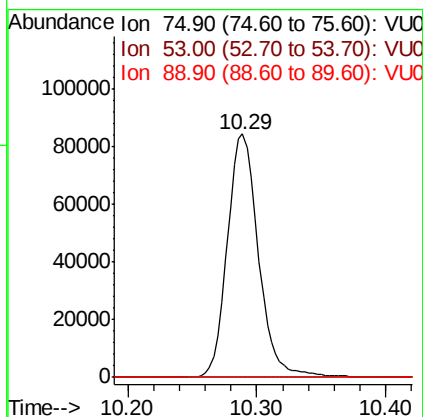
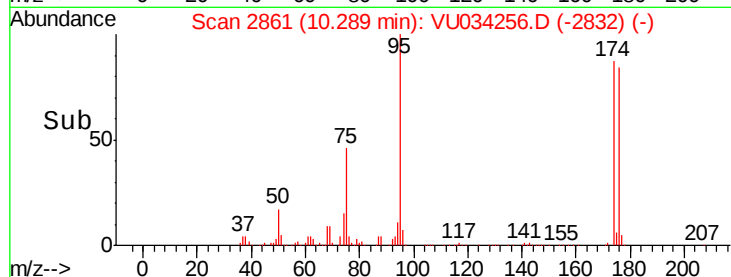
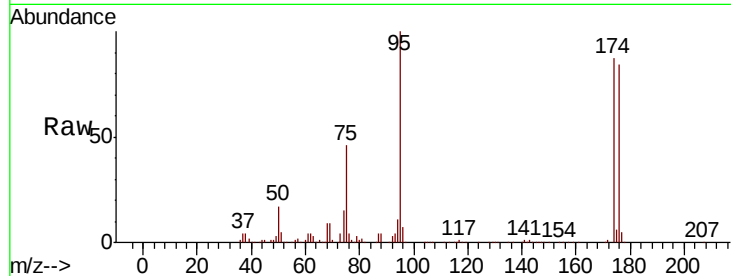




#81
trans-1,4-Dichloro-2-butene
Concen: 64.862 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. -0.21 min
Lab File: VU034256.D
Acq: 04 Sep 2019 14:34

Instrument :
MSVOA_U
ClientSampled :
T3-S-G-(0)

Tgt Ion: 75 Resp: 141685
Ion Ratio Lower Upper
75 100
53 0.2 0.0 0.0#
89 0.0 0.0 0.0



#95
Naphthalene
Concen: 1.791 ug/l
RT: 13.82 min Scan# 3960
Delta R.T. 0.10 min
Lab File: VU034256.D
Acq: 04 Sep 2019 14:34

Tgt Ion: 128 Resp: 23
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.4 12.6#

