

Data File : VU033967.D
Acq On : 26 Aug 2019 23:24
Operator : JC/SP
Sample : K4515-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EB-1-082319

Quant Time: Aug 27 08:02:32 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	4.96	168	402567	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	655226	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	638480	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	267804	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.28	65	294984	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
35) Dibromofluoromethane	4.86	113	224170	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
50) Toluene-d8	7.54	98	822328	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	
62) 4-Bromofluorobenzene	10.29	95	276796	42.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.18%	

Target Compounds

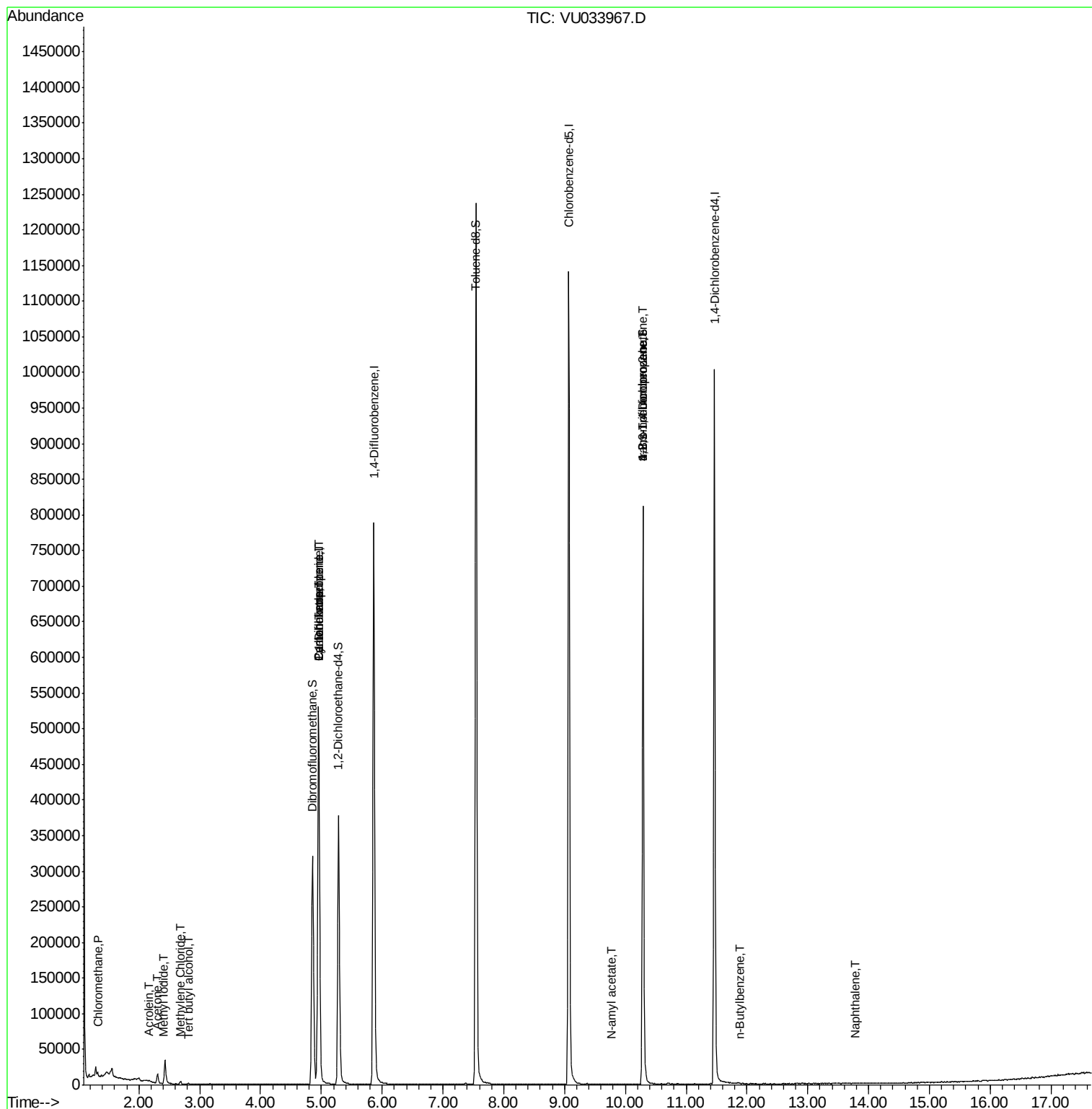
						Qvalue
3) Chloromethane	1.32	50	3619	0.622	ug/l	93
5) Bromomethane	1.61	94	1597	Below Cal	#	76
10) Methyl Iodide	2.40	142	304	5.287	ug/l #	67
11) Tert butyl alcohol	2.82	59	1062	0.878	ug/l #	73
13) Acrolein	2.18	56	176	0.245	ug/l #	29
16) Acetone	2.31	43	13736	3.989	ug/l	99
20) Methylene Chloride	2.68	84	1259	0.228	ug/l #	92
31) Cyclohexane	4.95	56	8719	1.037	ug/l #	1
36) 1,1-Dichloropropene	4.95	75	31969	4.726	ug/l #	50
38) Carbon Tetrachloride	4.96	117	38843	5.766	ug/l #	16
74) N-amyl acetate	9.76	43	19	3.592	ug/l #	42
76) 1,2,3-Trichloropropane	10.29	75	139942	22.587	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.29	75	139942	60.228	ug/l #	100
89) n-Butylbenzene	11.88	91	228	2.686	ug/l #	42
95) Naphthalene	13.79	128	19	4.509	ug/l #	70

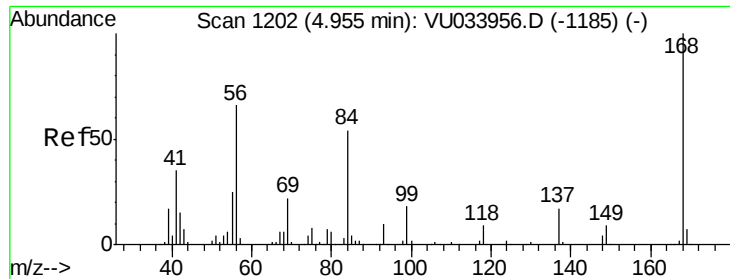
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VU033967.D

Acq: 26 Aug 2019 23:24

Instrument :

MSVOA_U

ClientSampleId :

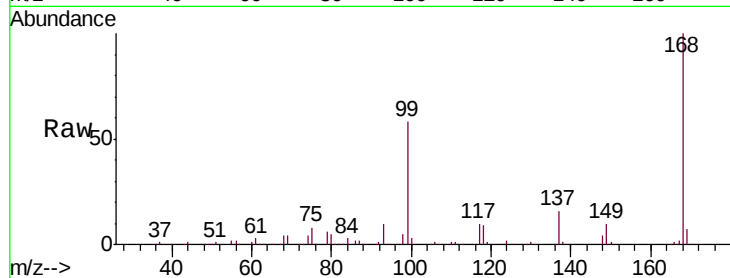
EB-1-082319

Tgt Ion:168 Resp: 402567

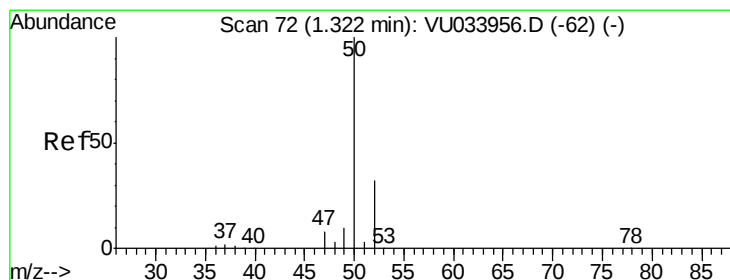
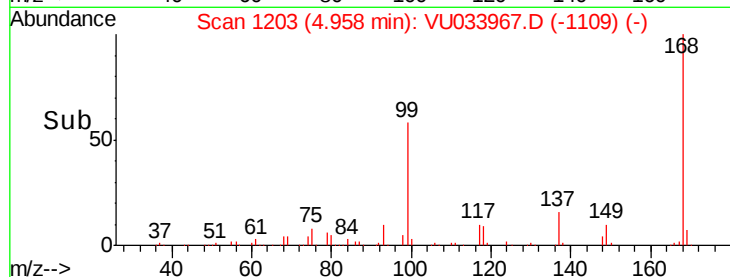
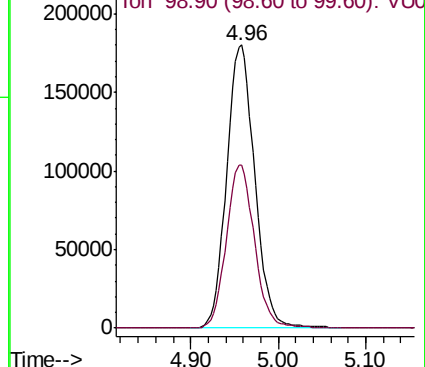
Ion Ratio Lower Upper

168 100

99 57.6 45.5 68.3



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



#3

Chloromethane

Concen: 0.622 ug/l

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU033967.D

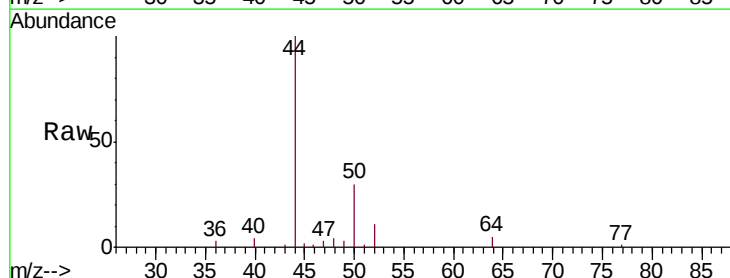
Acq: 26 Aug 2019 23:24

Tgt Ion: 50 Resp: 3619

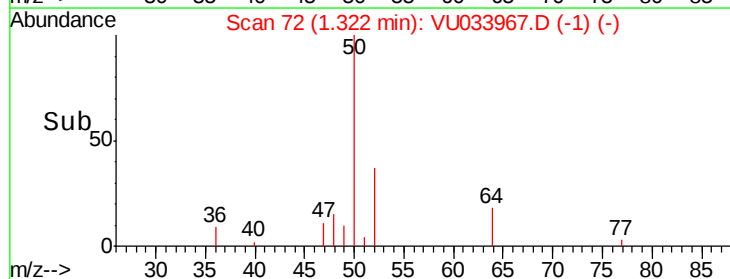
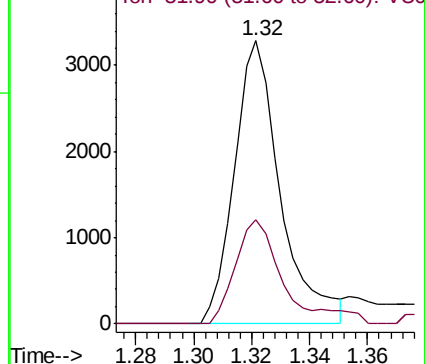
Ion Ratio Lower Upper

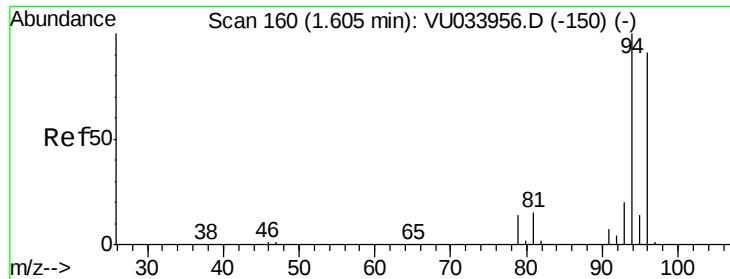
50 100

52 36.6 25.9 38.9



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





#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 162

Delta R.T. 0.01 min

Lab File: VU033967.D

Acq: 26 Aug 2019 23:24

Instrument :

MSVOA_U

ClientSampleId :

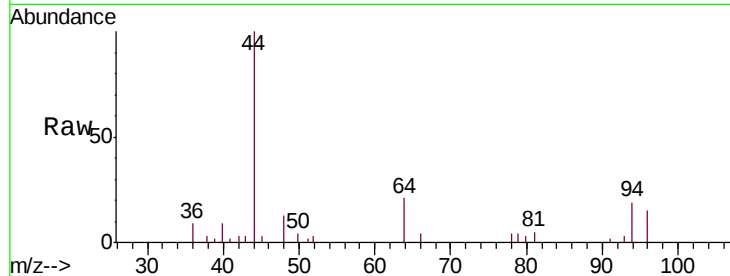
EB-1-082319

Tgt Ion: 94 Resp: 1597

Ion Ratio Lower Upper

94 100

96 68.5 73.2 109.8#



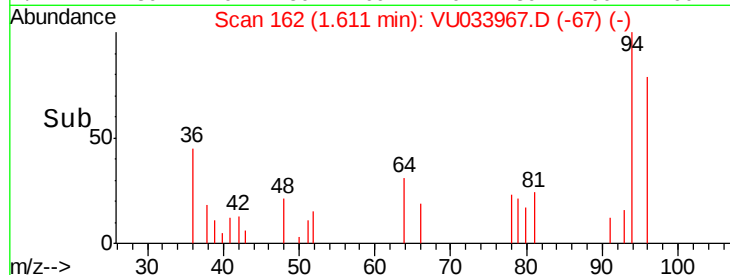
Abundance Ion 93.90 (93.60 to 94.60): VU033956.D (-150) (-)

Ion 95.90 (95.60 to 96.60): VU033956.D (-150) (-)

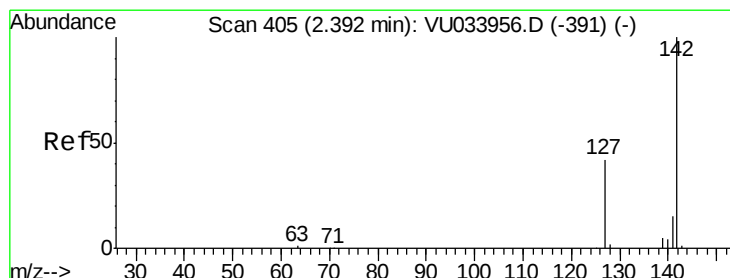
Time-->

1.61

1.65



Time-->



#10

Methyl Iodide

Concen: 5.287 ug/l

RT: 2.40 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU033967.D

Acq: 26 Aug 2019 23:24

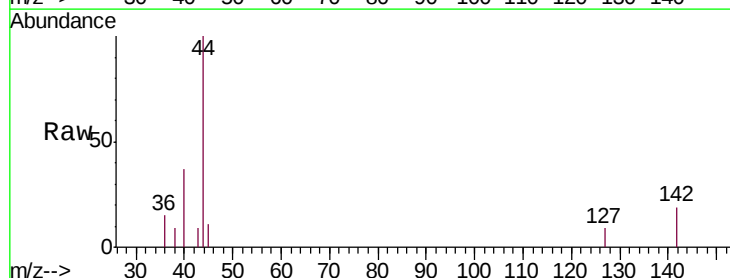
Tgt Ion: 142 Resp: 304

Ion Ratio Lower Upper

142 100

127 22.7 34.3 51.5#

141 0.0 11.8 17.6#



Abundance Ion 141.80 (141.50 to 142.50): VU033956.D (-391) (-)

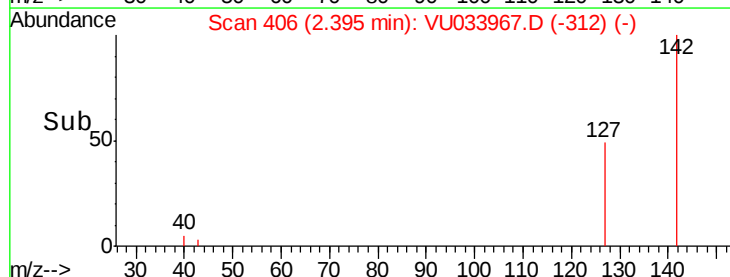
Ion 126.80 (126.50 to 127.50): VU033956.D (-391) (-)

Ion 140.80 (140.50 to 141.50): VU033956.D (-391) (-)

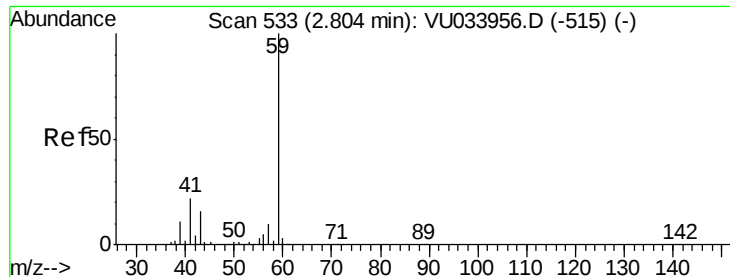
Time-->

2.40

2.42



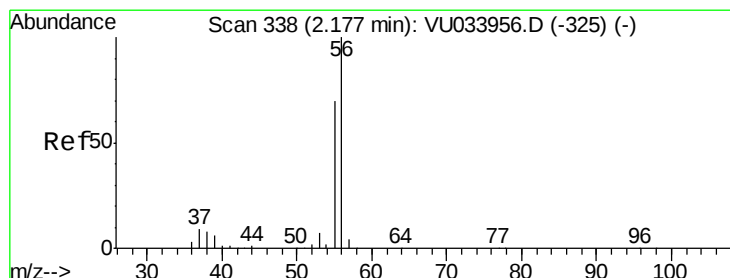
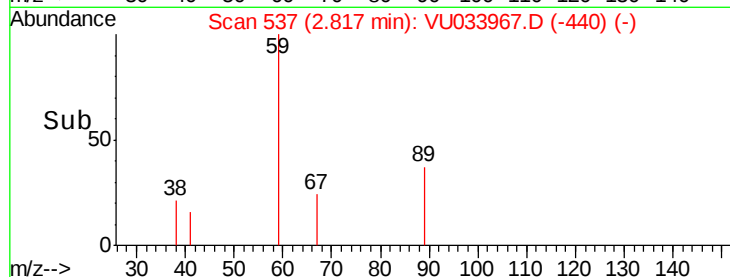
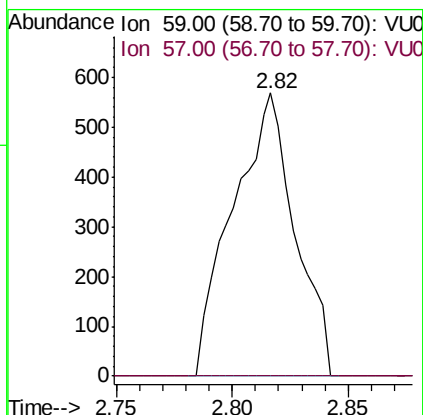
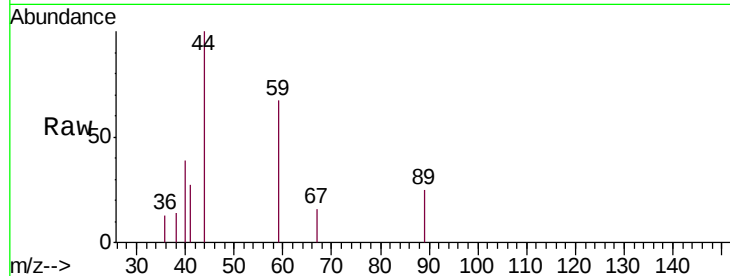
Time-->



#11
Tert butyl alcohol
Concen: 0.878 ug/l
RT: 2.82 min Scan# 537
Delta R.T. 0.01 min
Lab File: VU033967.D
Acq: 26 Aug 2019 23:24

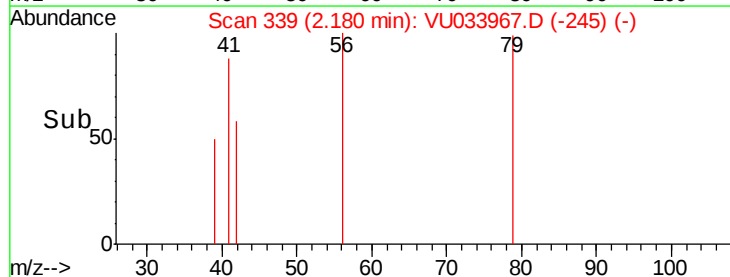
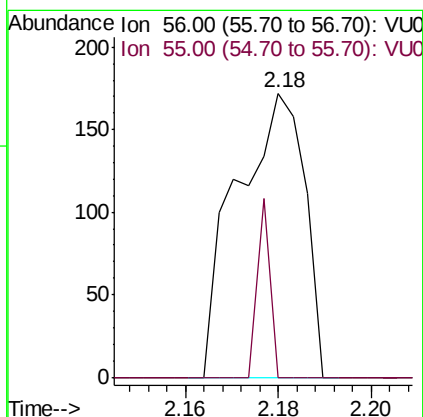
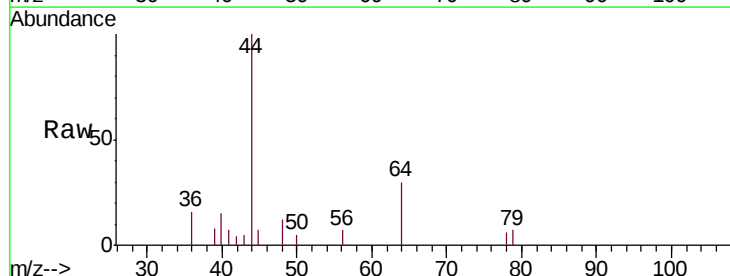
Instrument :
MSVOA_U
ClientSampleId :
EB-1-082319

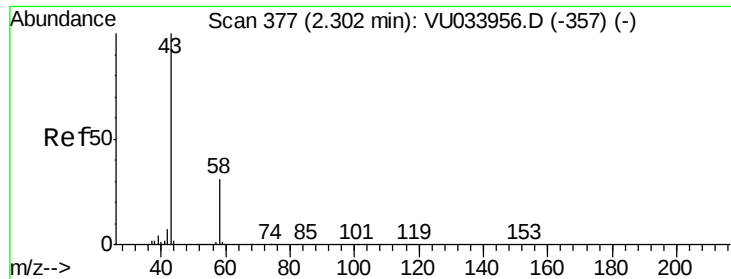
Tgt Ion: 59 Resp: 1062
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#13
Acrolein
Concen: 0.245 ug/l
RT: 2.18 min Scan# 339
Delta R.T. 0.00 min
Lab File: VU033967.D
Acq: 26 Aug 2019 23:24

Tgt Ion: 56 Resp: 176
Ion Ratio Lower Upper
56 100
55 11.9 56.3 84.5#

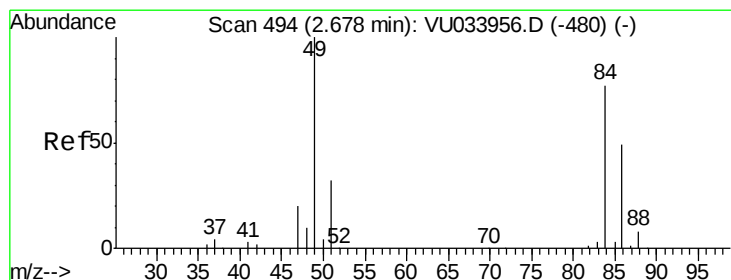
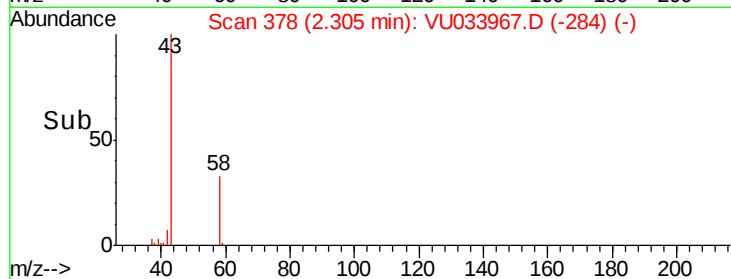
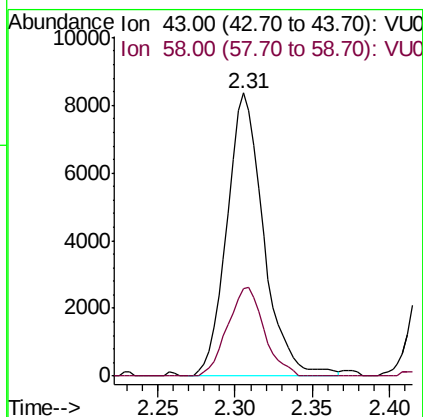
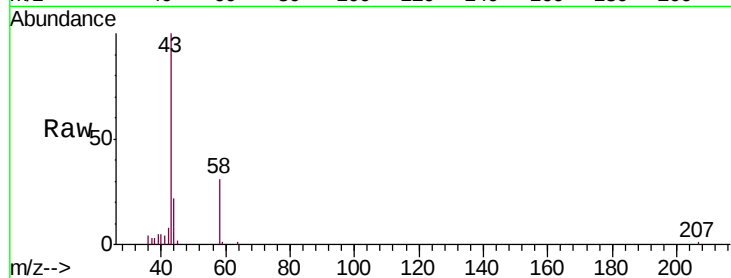




#16
Acetone
Concen: 3.989 ug/l
RT: 2.31 min Scan# 378
Delta R.T. 0.00 min
Lab File: VU033967.D
Acq: 26 Aug 2019 23:24

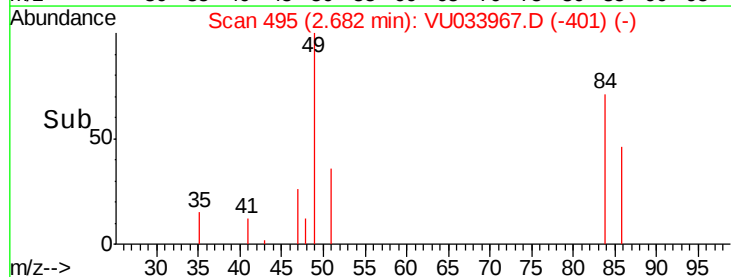
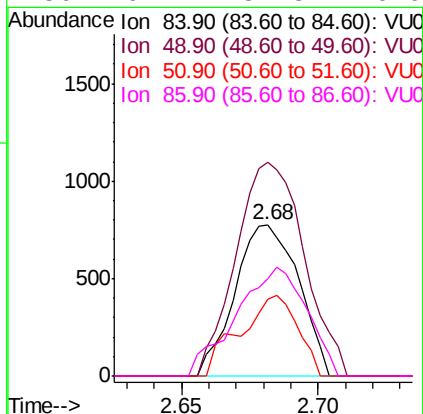
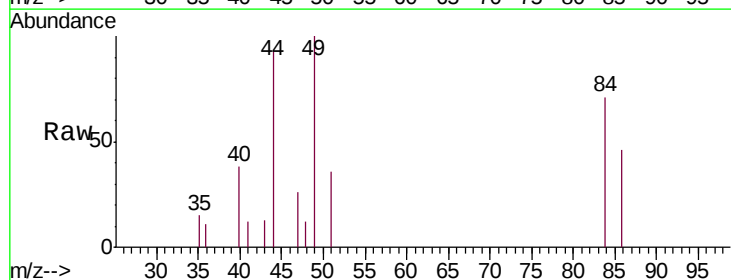
Instrument :
MSVOA_U
ClientSampleId :
EB-1-082319

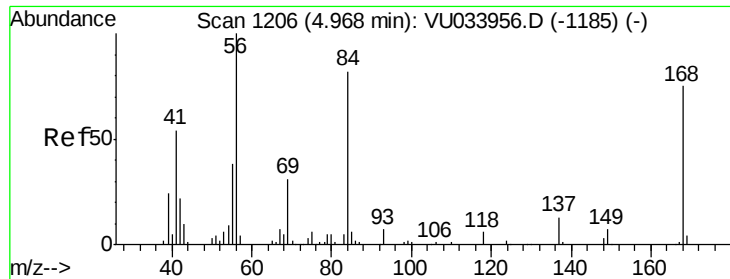
Tgt Ion: 43 Resp: 13736
Ion Ratio Lower Upper
43 100
58 31.1 24.5 36.7



#20
Methylene Chloride
Concen: 0.228 ug/l
RT: 2.68 min Scan# 495
Delta R.T. 0.00 min
Lab File: VU033967.D
Acq: 26 Aug 2019 23:24

Tgt Ion: 84 Resp: 1259
Ion Ratio Lower Upper
84 100
49 141.2 104.1 156.1
51 51.0 33.0 49.6#
86 64.7 51.3 76.9

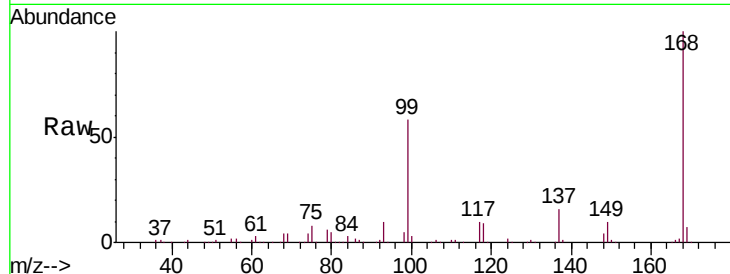




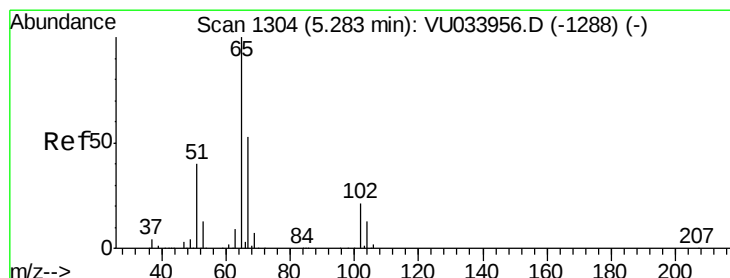
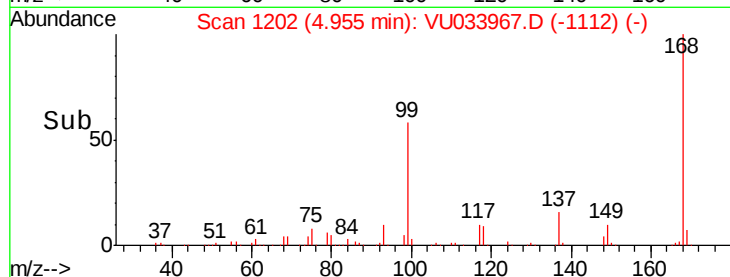
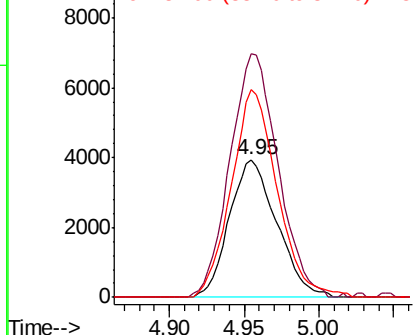
#31
Cyclohexane
Concen: 1.037 ug/l
RT: 4.95 min Scan# 1202
Delta R.T. -0.01 min
Lab File: VU033967.D
Acq: 26 Aug 2019 23:24

Instrument :
MSVOA_U
ClientSampleId :
EB-1-082319

Tgt Ion: 56 Resp: 8719
Ion Ratio Lower Upper
56 100
69 176.6 24.6 37.0#
84 150.3 65.4 98.0#

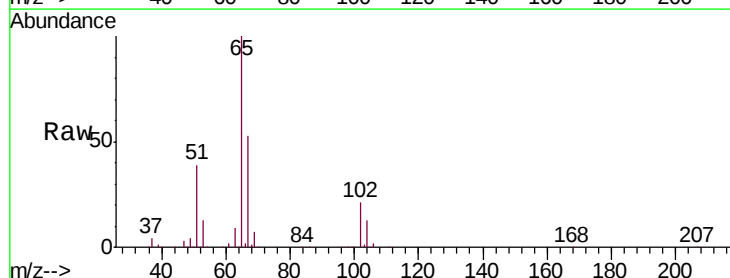


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

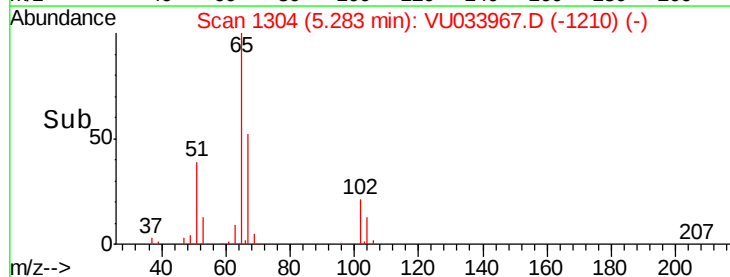
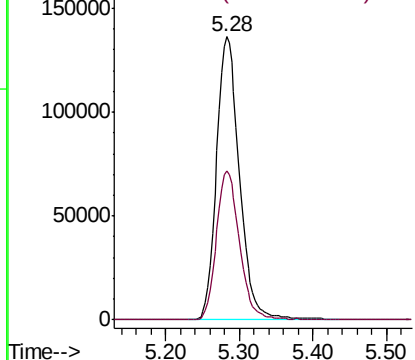


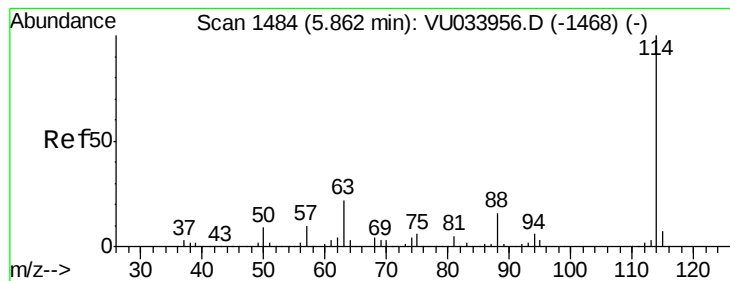
#33
1,2-Dichloroethane-d4
Concen: 50.990 ug/l
RT: 5.28 min Scan# 1304
Delta R.T. 0.00 min
Lab File: VU033967.D
Acq: 26 Aug 2019 23:24

Tgt Ion: 65 Resp: 294984
Ion Ratio Lower Upper
65 100
67 52.7 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: VU033967.D

Acq: 26 Aug 2019 23:24

Instrument :

MSVOA_U

ClientSampleId :

EB-1-082319

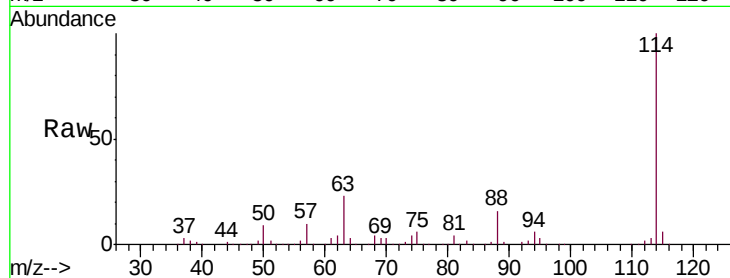
Tgt Ion:114 Resp: 655226

Ion Ratio Lower Upper

114 100

63 22.5 0.0 44.2

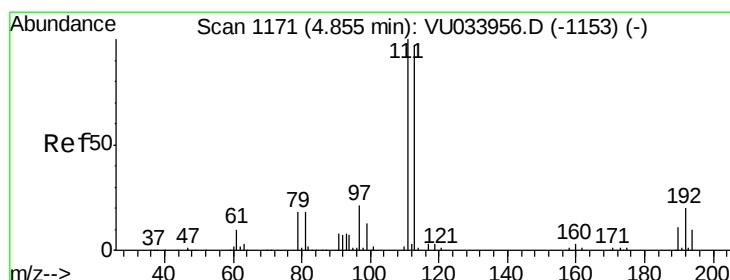
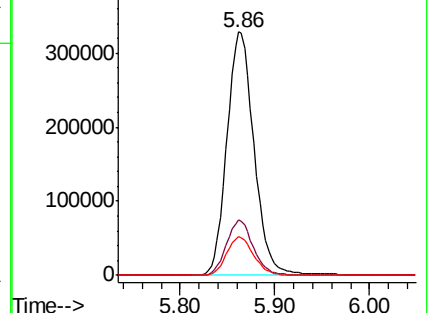
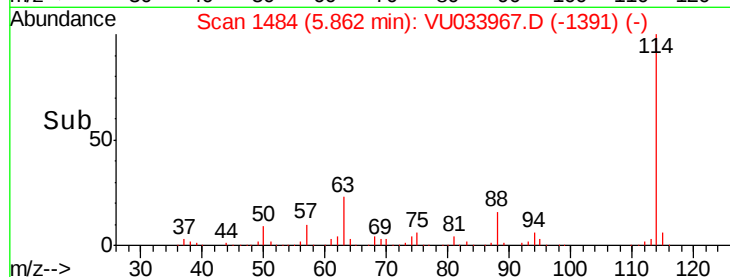
88 15.7 0.0 32.0



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: 49.185 ug/l

RT: 4.86 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VU033967.D

Acq: 26 Aug 2019 23:24

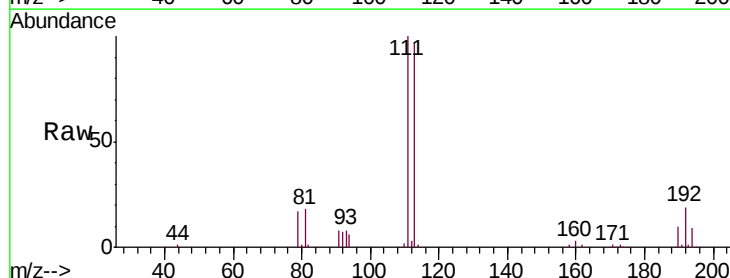
Tgt Ion:113 Resp: 224170

Ion Ratio Lower Upper

113 100

111 102.9 82.0 123.0

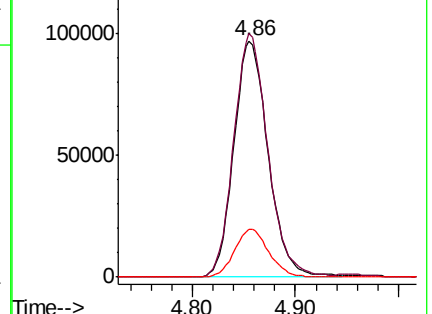
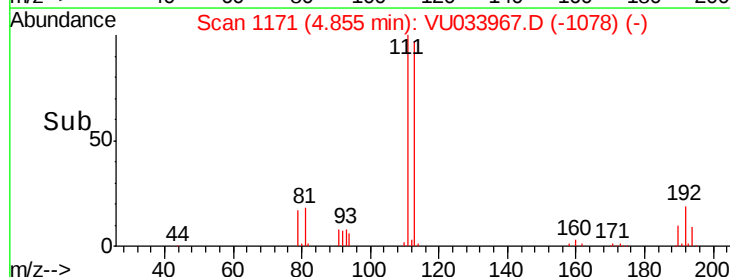
192 20.3 16.2 24.4

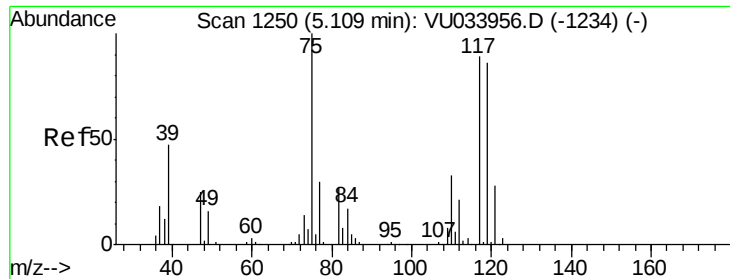


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

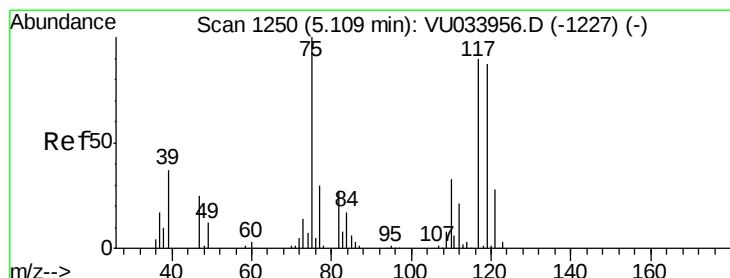
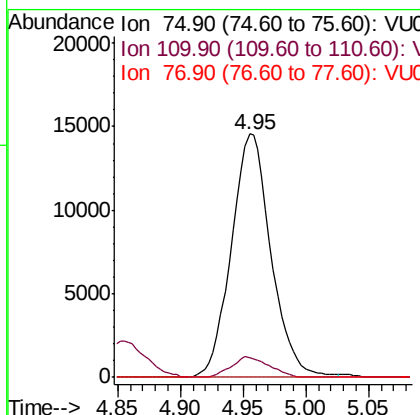
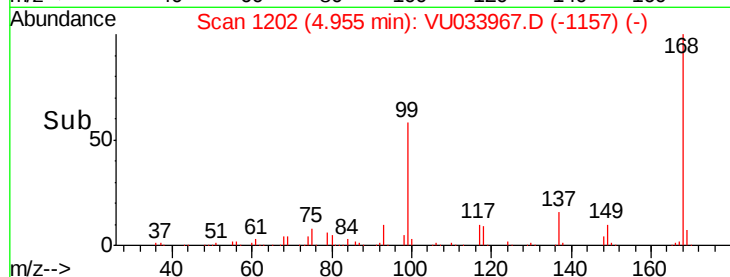
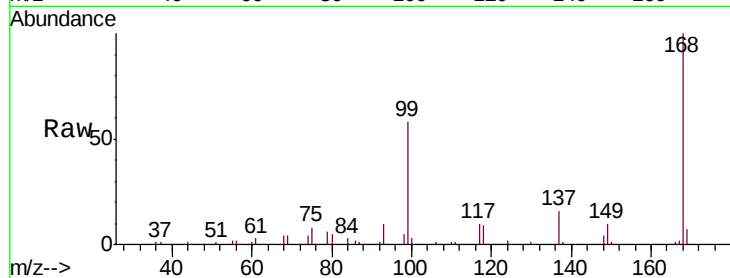




#36
 1,1-Dichloropropene
 Concen: 4.726 ug/l
 RT: 4.95 min Scan# 1202
 Delta R.T. -0.15 min
 Lab File: VU033967.D
 Acq: 26 Aug 2019 23:24

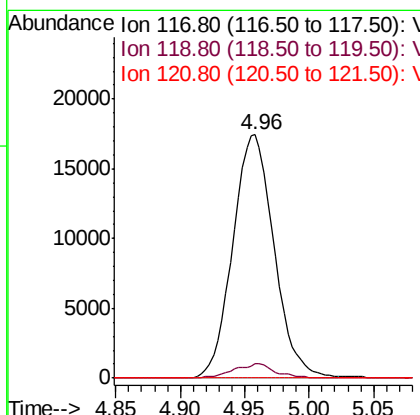
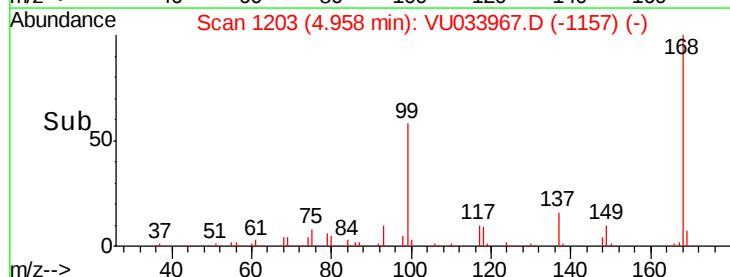
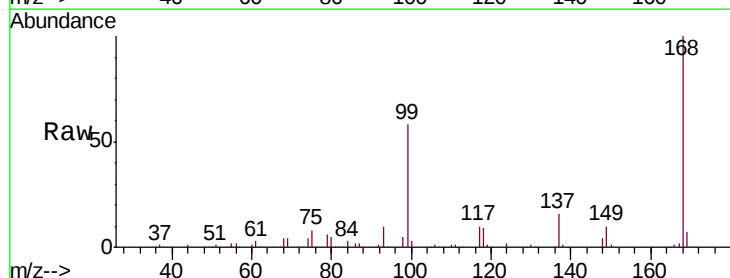
Instrument :
 MSVOA_U
 ClientSampleId :
 EB-1-082319

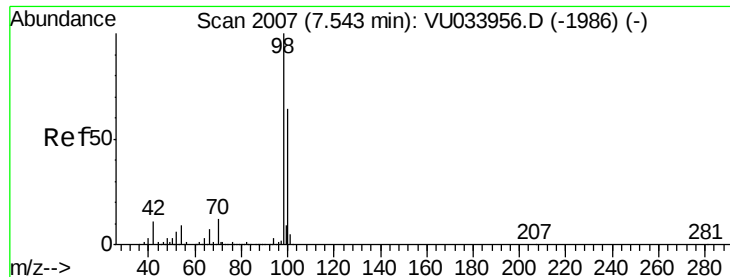
Tgt Ion: 75 Resp: 31969
 Ion Ratio Lower Upper
 75 100
 110 8.0 16.8 50.4#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 5.766 ug/l
 RT: 4.96 min Scan# 1203
 Delta R.T. -0.15 min
 Lab File: VU033967.D
 Acq: 26 Aug 2019 23:24

Tgt Ion: 117 Resp: 38843
 Ion Ratio Lower Upper
 117 100
 119 5.9 76.9 115.3#
 121 0.0 24.9 37.3#

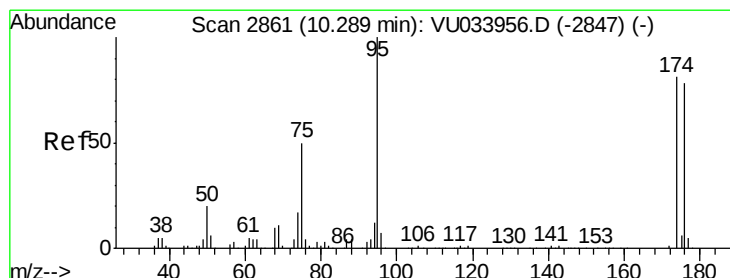
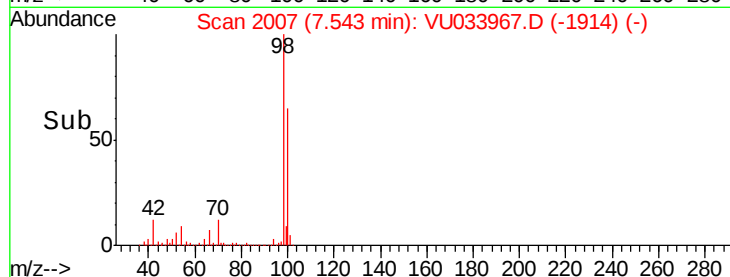
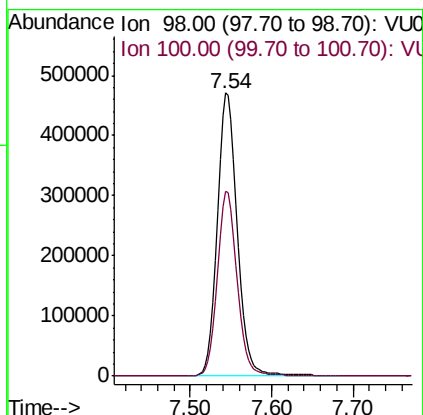
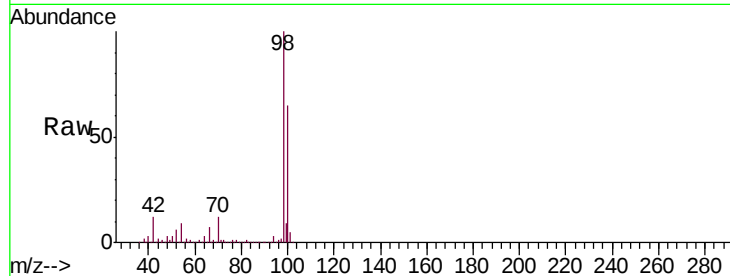




#50
Toluene-d8
Concen: 48.777 ug/l
RT: 7.54 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VU033967.D
Acq: 26 Aug 2019 23:24

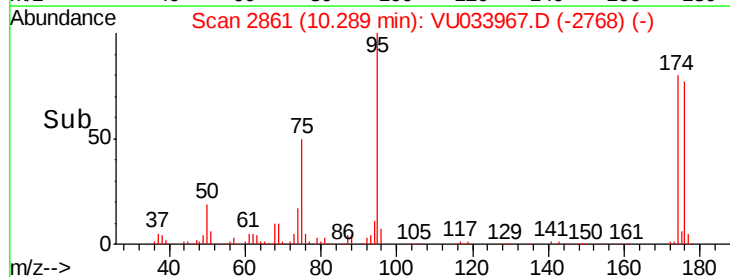
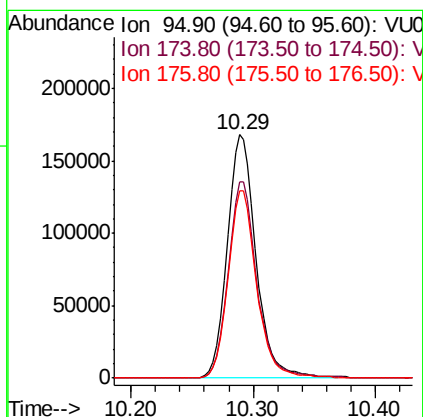
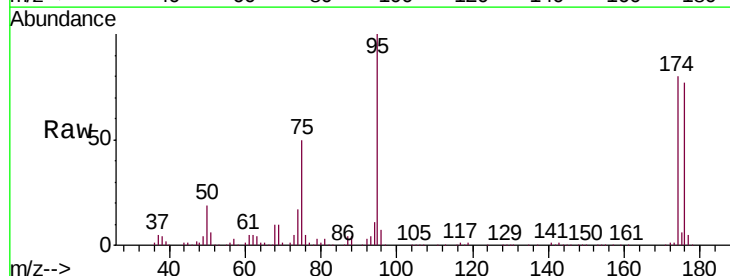
Instrument :
MSVOA_U
ClientSampleId :
EB-1-082319

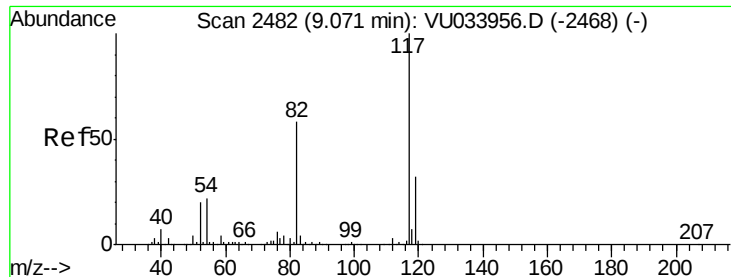
Tgt Ion: 98 Resp: 822328
Ion Ratio Lower Upper
98 100
100 64.6 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 42.591 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. 0.00 min
Lab File: VU033967.D
Acq: 26 Aug 2019 23:24

Tgt Ion: 95 Resp: 276796
Ion Ratio Lower Upper
95 100
174 80.9 0.0 160.4
176 77.0 0.0 154.2

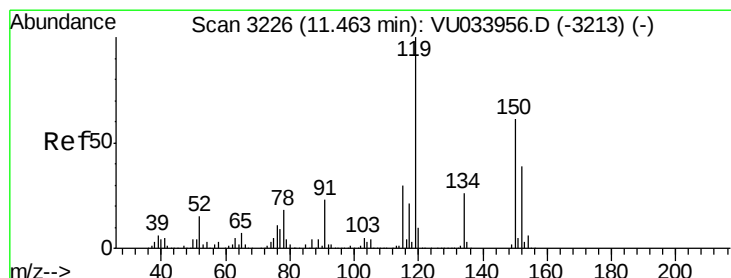
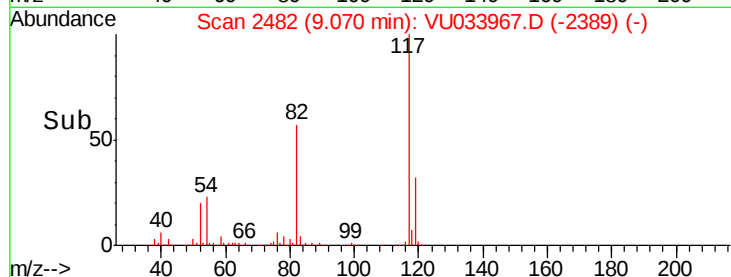
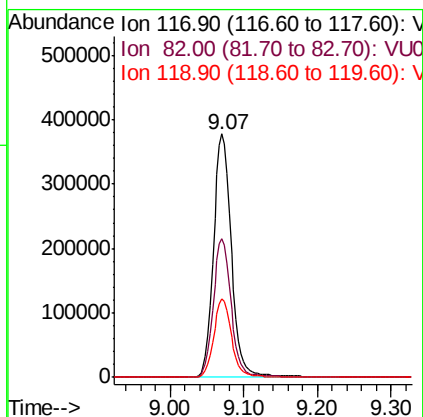
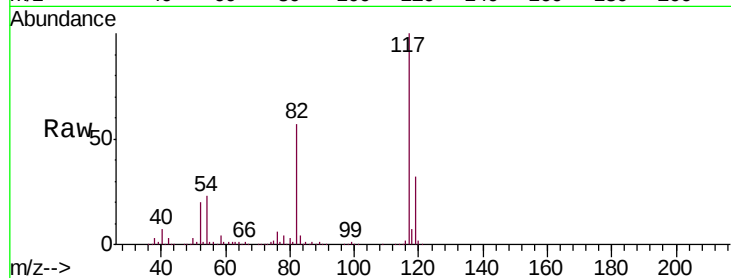




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU033967.D
Acq: 26 Aug 2019 23:24

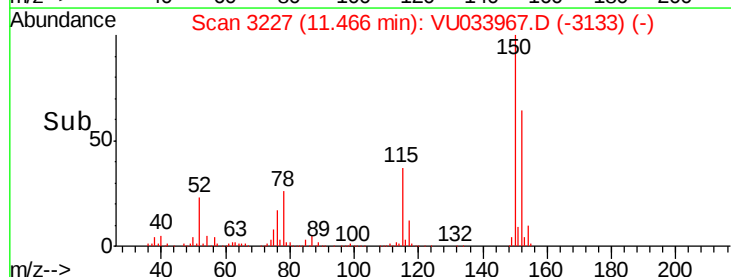
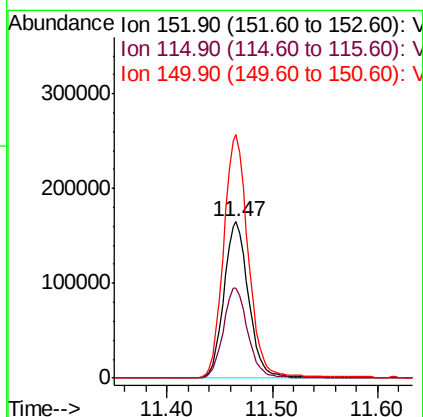
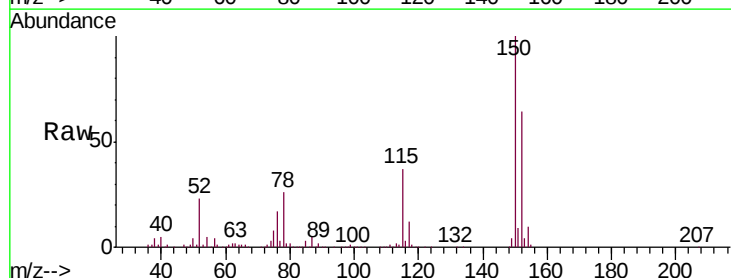
Instrument :
MSVOA_U
ClientSampleId :
EB-1-082319

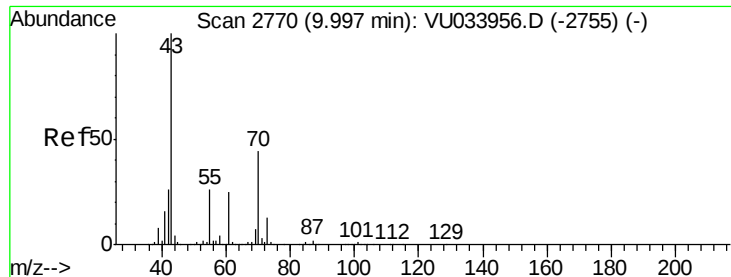
Tgt Ion:117 Resp: 638480
Ion Ratio Lower Upper
117 100
82 57.1 46.4 69.6
119 32.1 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.47 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VU033967.D
Acq: 26 Aug 2019 23:24

Tgt Ion:152 Resp: 267804
Ion Ratio Lower Upper
152 100
115 57.0 40.3 120.9
150 155.2 0.0 346.0





#74

N-ethyl acetate

Concen: 3.592 ug/l

RT: 9.76 min Scan# 2698

Delta R.T. -0.23 min

Lab File: VU033967.D

Acq: 26 Aug 2019 23:24

Instrument :

MSVOA_U

ClientSampleId :

EB-1-082319

Tgt Ion: 43 Resp: 19

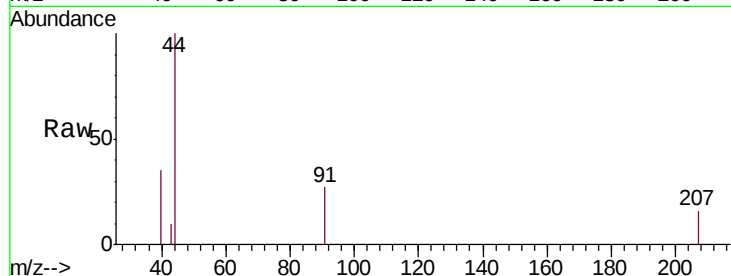
Ion Ratio Lower Upper

43 100

70 0.0 34.5 51.7#

55 0.0 20.9 31.3#

61 0.0 19.7 29.5#

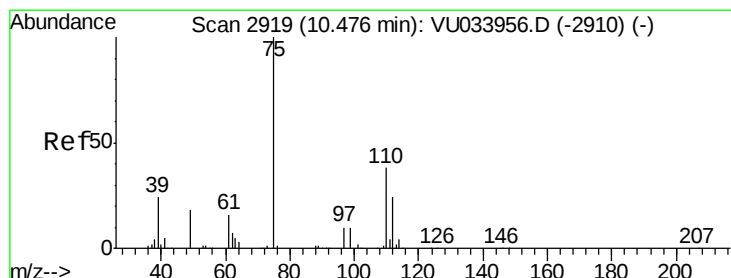
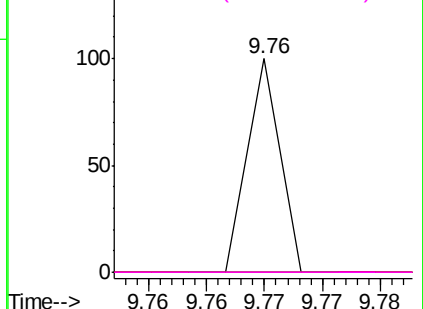
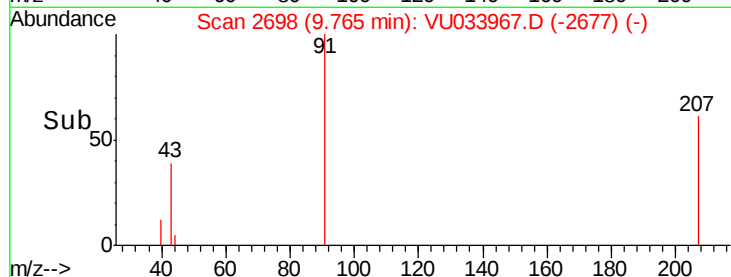


Abundance Ion 43.00 (42.70 to 43.70): VU033967.D (-2677) (-)

Ion 70.00 (69.70 to 70.70): VU033967.D (-2677) (-)

Ion 55.00 (54.70 to 55.70): VU033967.D (-2677) (-)

Ion 61.00 (60.70 to 61.70): VU033967.D (-2677) (-)



#76

1,2,3-Trichloropropane

Concen: 22.587 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.19 min

Lab File: VU033967.D

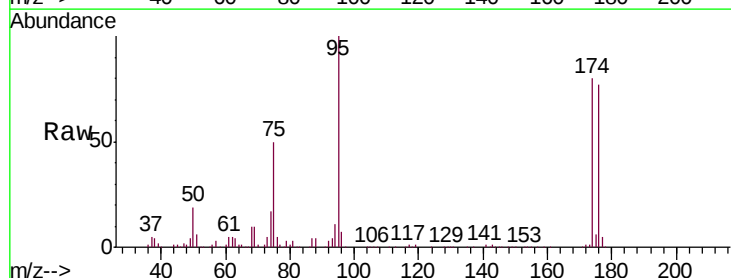
Acq: 26 Aug 2019 23:24

Tgt Ion: 75 Resp: 139942

Ion Ratio Lower Upper

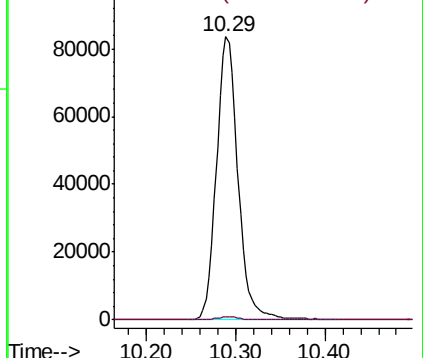
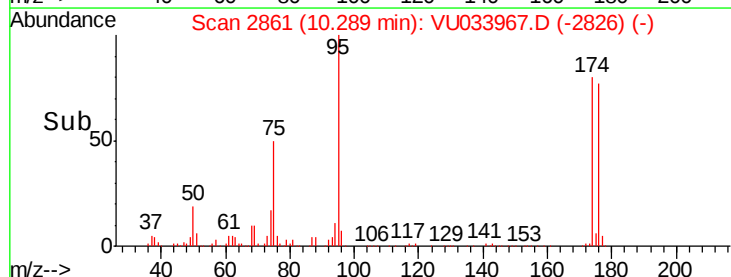
75 100

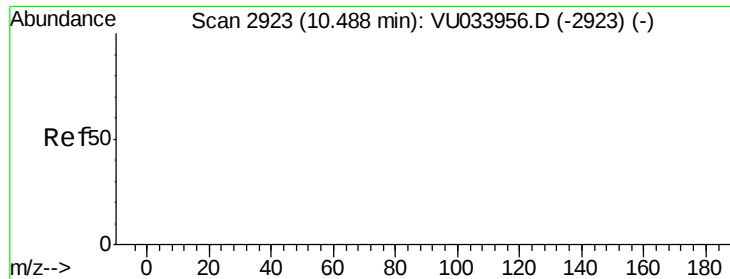
77 1.1 20.1 60.3#



Abundance Ion 74.90 (74.60 to 75.60): VU033967.D (-2826) (-)

Ion 77.00 (76.70 to 77.70): VU033967.D (-2826) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 60.228 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.20 min

Lab File: VU033967.D

Acq: 26 Aug 2019 23:24

Instrument :

MSVOA_U

ClientSampleId :

EB-1-082319

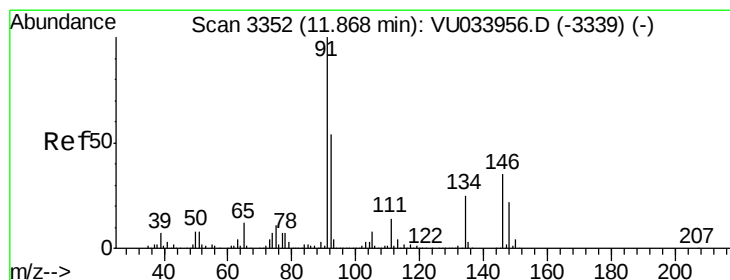
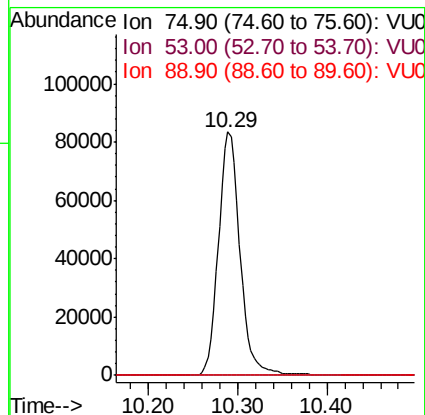
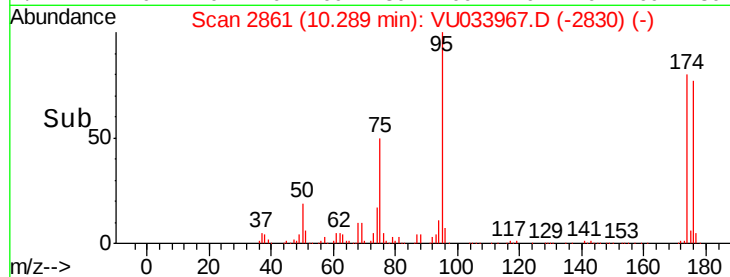
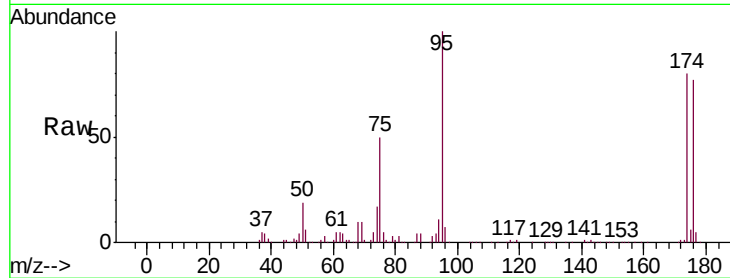
Tgt Ion: 75 Resp: 139942

Ion Ratio Lower Upper

75 100

53 0.2 0.0 0.0#

89 0.0 0.0 0.0



#89

n-Butylbenzene

Concen: 2.686 ug/l

RT: 11.88 min Scan# 3356

Delta R.T. 0.01 min

Lab File: VU033967.D

Acq: 26 Aug 2019 23:24

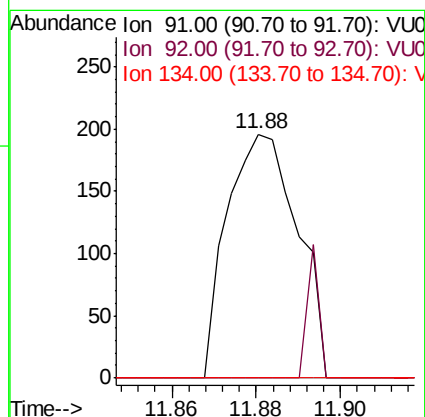
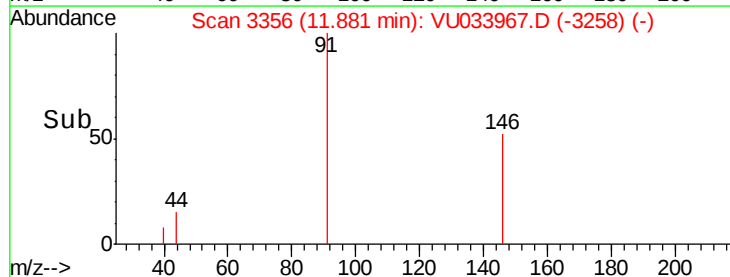
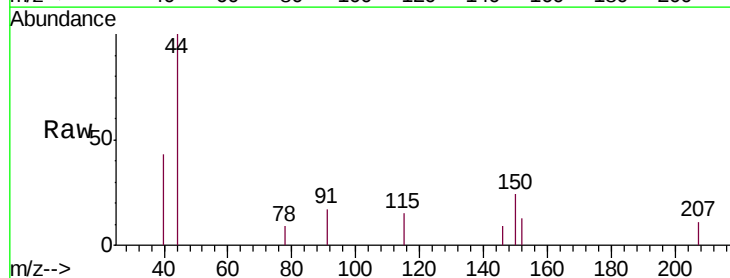
Tgt Ion: 91 Resp: 228

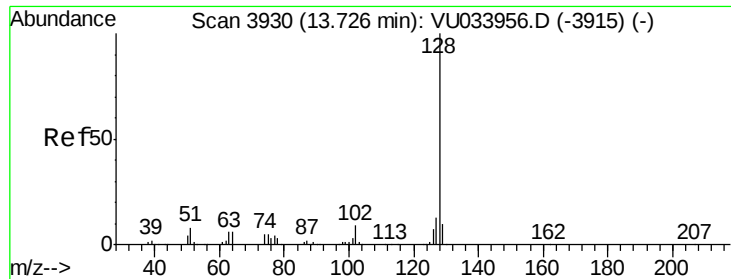
Ion Ratio Lower Upper

91 100

92 9.2 26.9 80.6#

134 0.0 12.6 37.6#





#95

Naphthalene

Concen: 4.509 ug/l

RT: 13.79 min Scan# 3951

Delta R.T. 0.07 min

Lab File: VU033967.D

Acq: 26 Aug 2019 23:24

Instrument :

MSVOA_U

ClientSampleId :

EB-1-082319

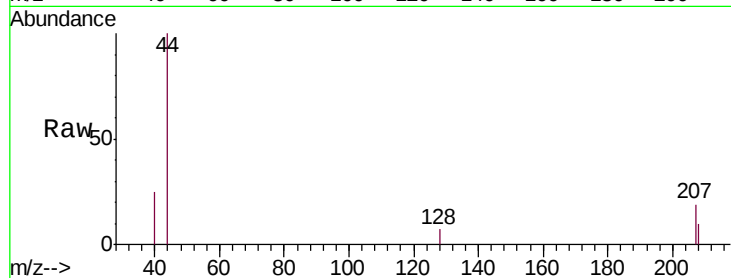
Tgt Ion:128 Resp: 19

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

