

Data File : VU033968.D
Acq On : 26 Aug 2019 23:48
Operator : JC/SP
Sample : K4539-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
PZ-1

Quant Time: Aug 27 08:02:47 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	401329	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	655163	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	632135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	262031	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.28	65	296659	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	
35) Dibromofluoromethane	4.86	113	225397	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
50) Toluene-d8	7.55	98	851532	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
62) 4-Bromofluorobenzene	10.29	95	260429	40.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.16%	

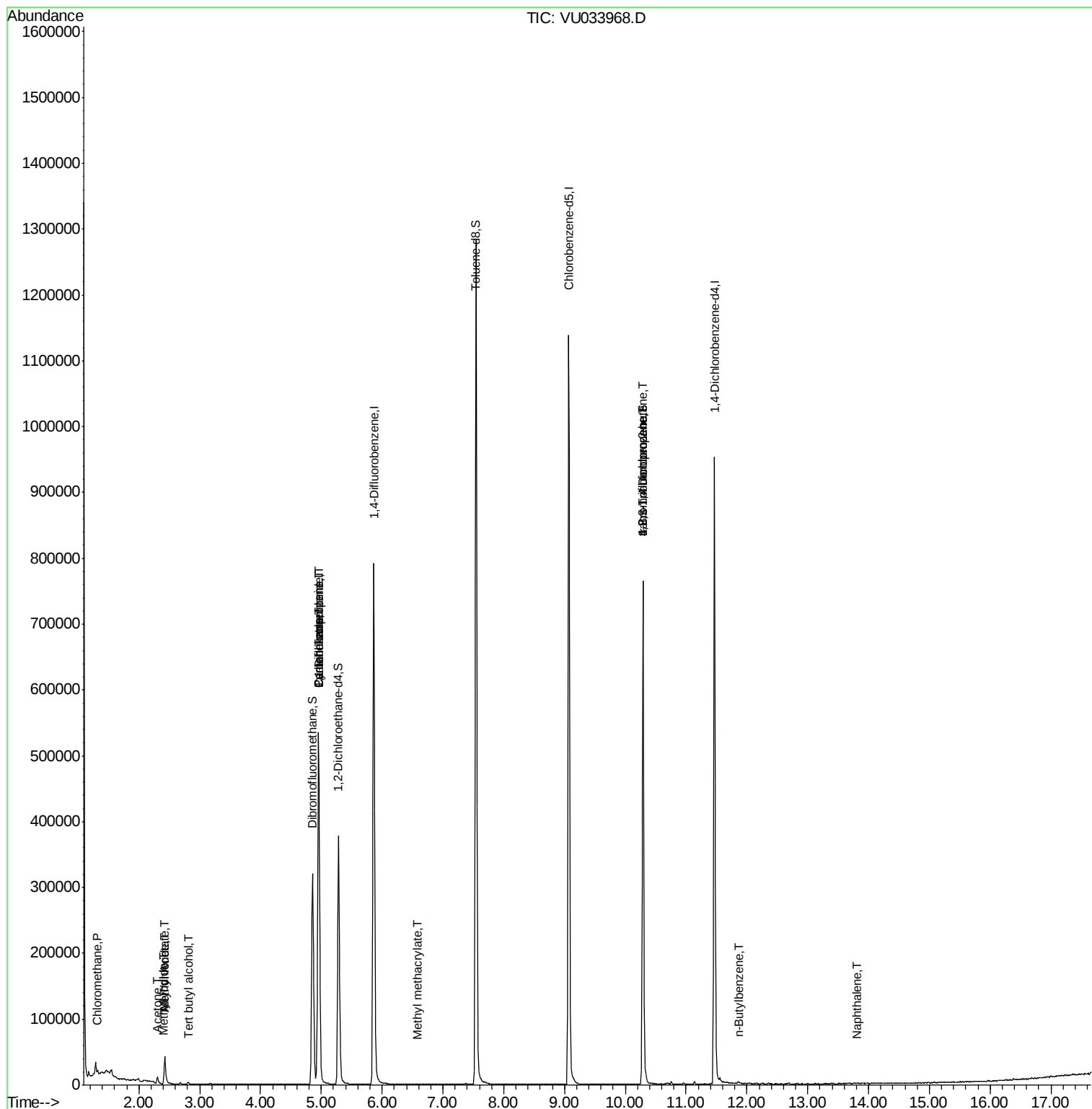
Target Compounds				Qvalue		
3) Chloromethane	1.32	50	3211	0.554	ug/l	92
5) Bromomethane	1.61	94	1264	Below Cal		87
10) Methyl Iodide	2.40	142	325	5.290	ug/l #	65
11) Tert butyl alcohol	2.81	59	2505	2.078	ug/l #	73
14) Allyl chloride	2.43	41	4729	0.591	ug/l #	71
16) Acetone	2.31	43	11060	3.222	ug/l	94
18) Methyl Acetate	2.42	43	12014	1.568	ug/l #	53
31) Cyclohexane	4.96	56	9066	1.082	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	32951	4.871	ug/l #	50
38) Carbon Tetrachloride	4.95	117	39415	5.851	ug/l #	16
48) Methyl methacrylate	6.58	41	19	2.315	ug/l #	1
76) 1,2,3-Trichloropropane	10.29	75	127862	21.092	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.29	75	127862	56.241	ug/l #	100
89) n-Butylbenzene	11.87	91	540	2.705	ug/l #	13
95) Naphthalene	13.80	128	73	4.512	ug/l #	70

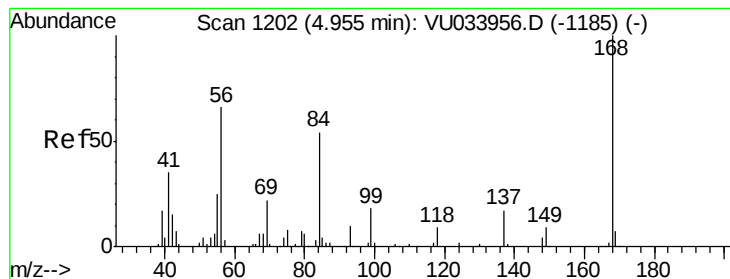
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU033968.D
Acq On : 26 Aug 2019 23:48
Operator : JC/SP
Sample : K4539-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
PZ-1

Quant Time: Aug 27 08:02:47 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.95 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VU033968.D

Acq: 26 Aug 2019 23:48

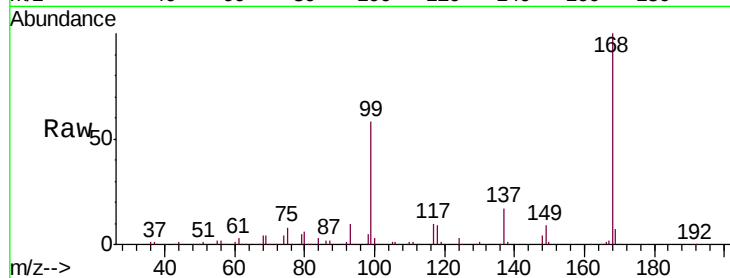
Instrument :
MSVOA_U
ClientSampleId :
PZ-1

Tgt Ion:168 Resp: 401329

Ion Ratio Lower Upper

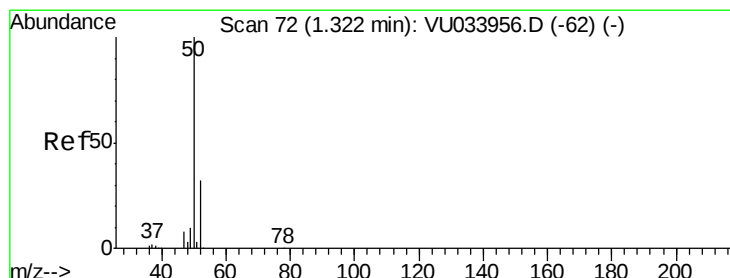
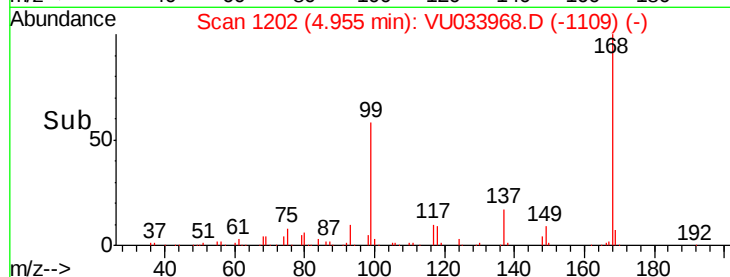
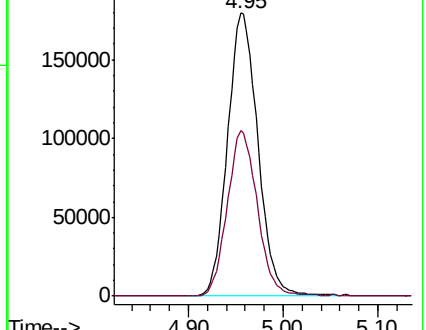
168 100

99 58.5 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) (-)



#3

Chloromethane

Concen: 0.554 ug/l

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU033968.D

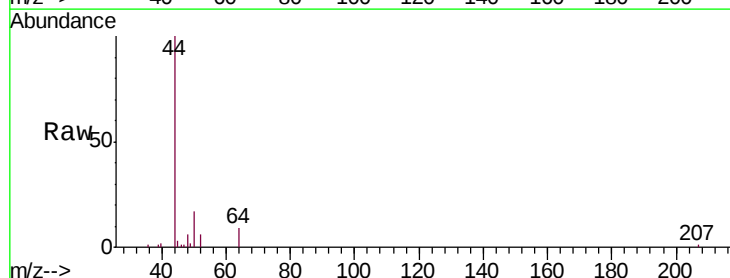
Acq: 26 Aug 2019 23:48

Tgt Ion: 50 Resp: 3211

Ion Ratio Lower Upper

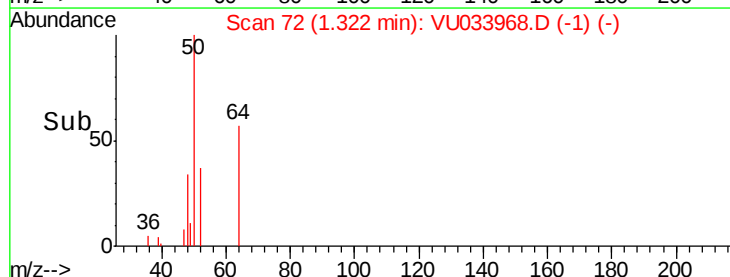
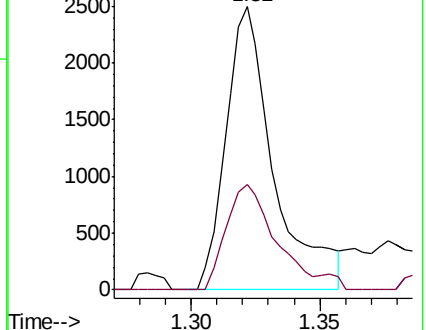
50 100

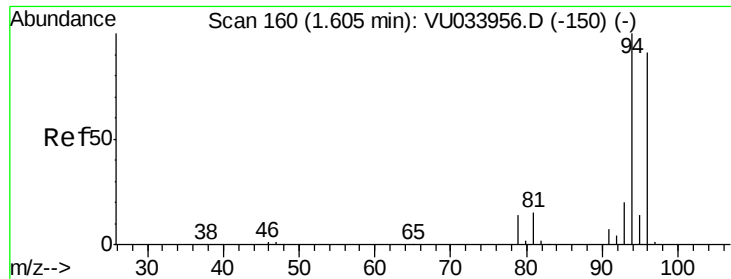
52 37.1 25.9 38.9



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

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





#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 163

Delta R.T. 0.01 min

Lab File: VU033968.D

Acq: 26 Aug 2019 23:48

Instrument :

MSVOA_U

ClientSampleId :

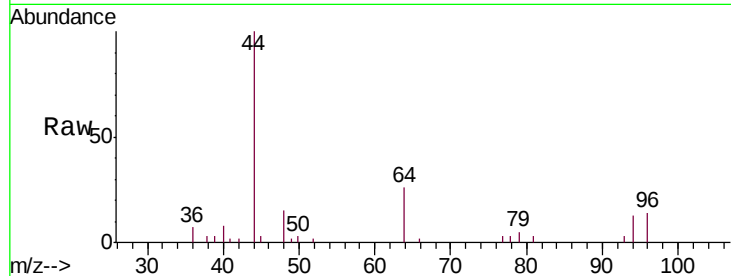
PZ-1

Tgt Ion: 94 Resp: 1264

Ion Ratio Lower Upper

94 100

96 104.0 73.2 109.8

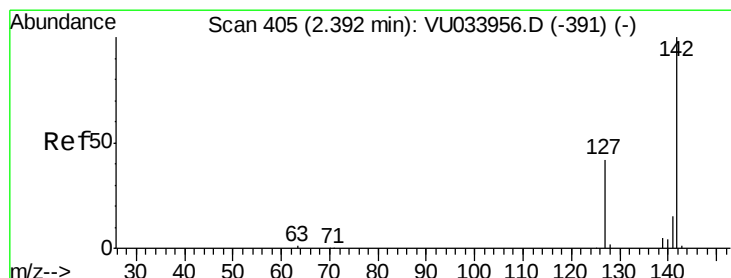
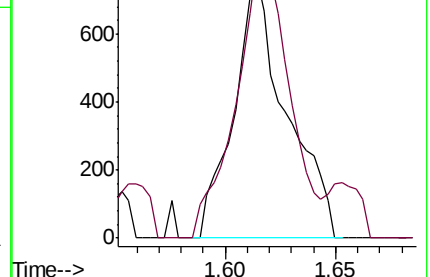
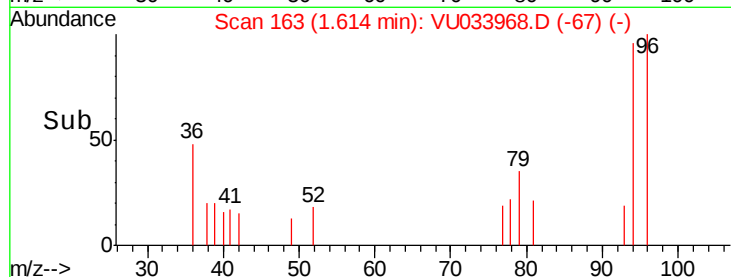


Abundance Ion 93.90 (93.60 to 94.60): VU033956.D (-150) (-)

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

1.61

1.65



#10

Methyl Iodide

Concen: 5.290 ug/l

RT: 2.40 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU033968.D

Acq: 26 Aug 2019 23:48

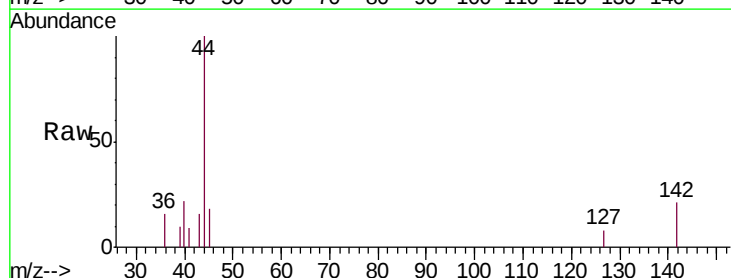
Tgt Ion: 142 Resp: 325

Ion Ratio Lower Upper

142 100

127 20.6 34.3 51.5#

141 0.0 11.8 17.6#



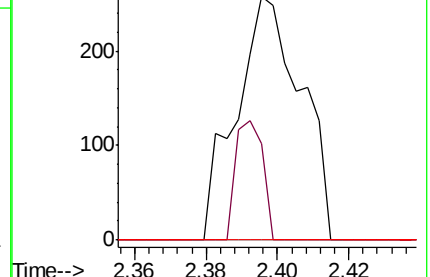
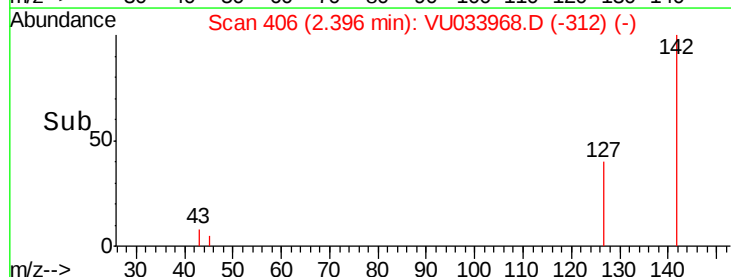
Abundance Ion 141.80 (141.50 to 142.50): VU033956.D (-391) (-)

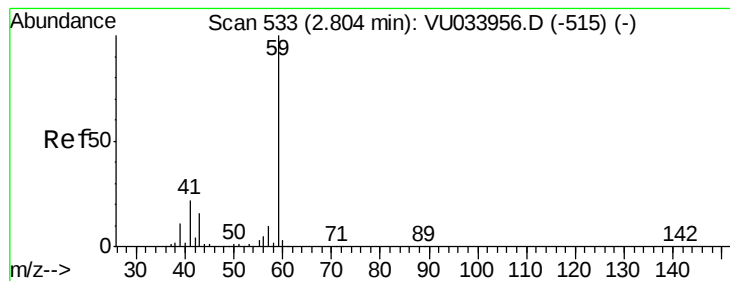
Ion 126.80 (126.50 to 127.50): VU033956.D (-391) (-)

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

2.40

2.42



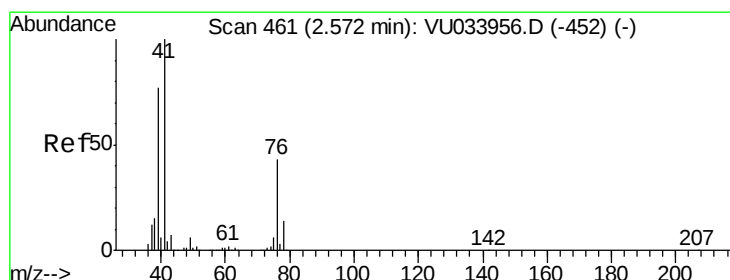
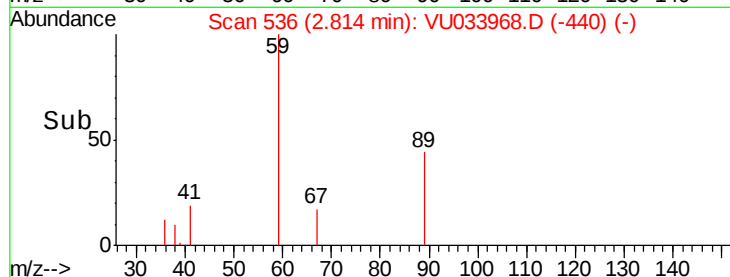
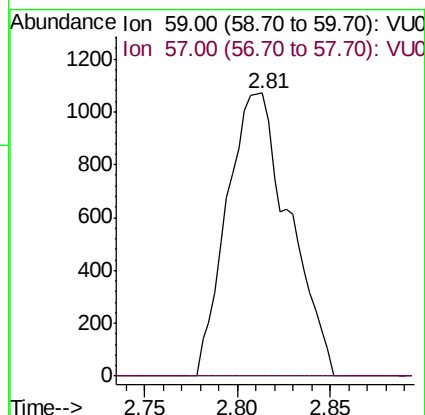
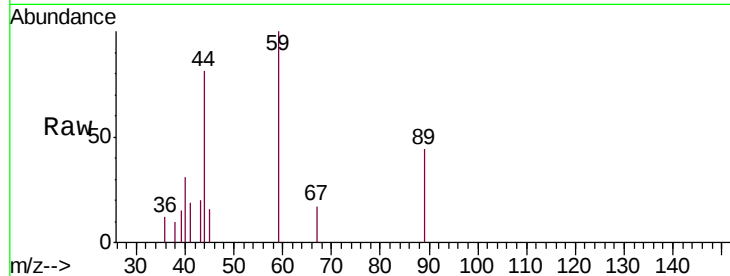


#11

Tert butyl alcohol
 Concen: 2.078 ug/l
 RT: 2.81 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VU033968.D
 Acq: 26 Aug 2019 23:48

Instrument :
 MSVOA_U
 ClientSampled :
 PZ-1

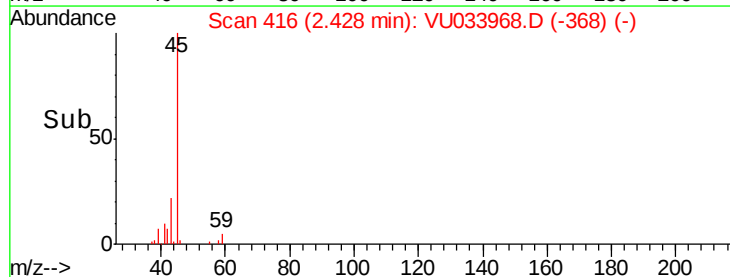
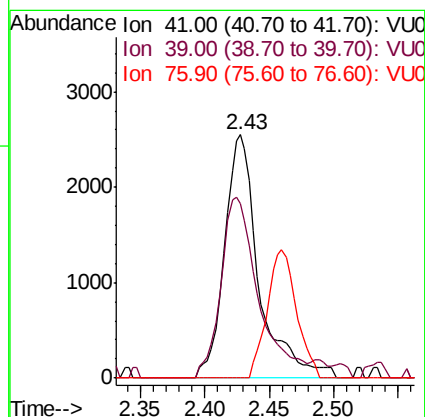
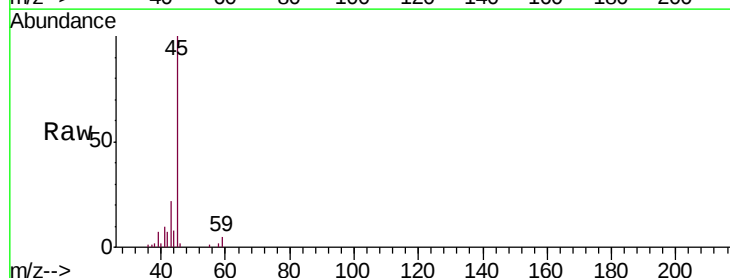
Tgt Ion: 59 Resp: 2505
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

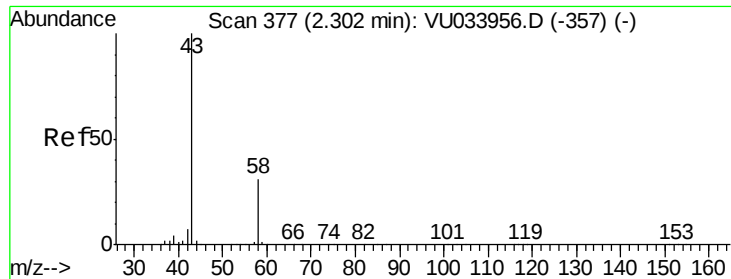


#14

Allyl chloride
 Concen: 0.591 ug/l
 RT: 2.43 min Scan# 416
 Delta R.T. -0.14 min
 Lab File: VU033968.D
 Acq: 26 Aug 2019 23:48

Tgt Ion: 41 Resp: 4729
 Ion Ratio Lower Upper
 41 100
 39 80.9 56.4 84.6
 76 0.0 29.2 43.8#





#16

Acetone

Concen: 3.222 ug/l

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VU033968.D

Acq: 26 Aug 2019 23:48

Instrument :

MSVOA_U

ClientSampleId :

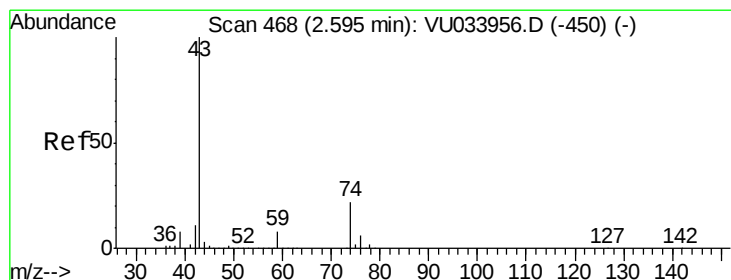
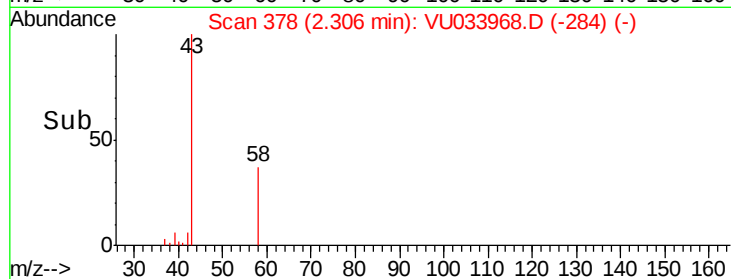
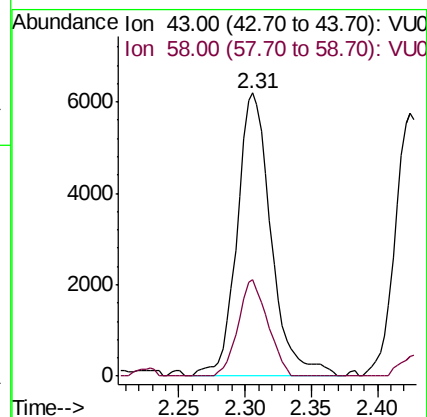
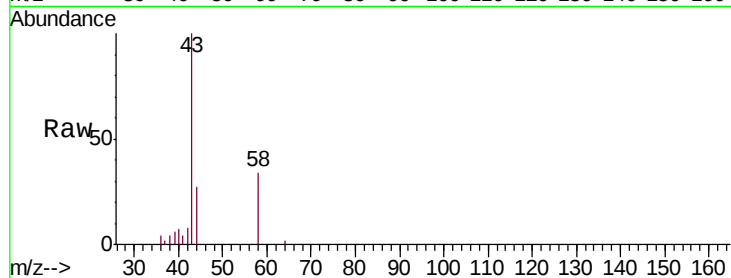
PZ-1

Tgt Ion: 43 Resp: 11060

Ion Ratio Lower Upper

43 100

58 34.1 24.5 36.7



#18

Methyl Acetate

Concen: 1.568 ug/l

RT: 2.42 min Scan# 415

Delta R.T. -0.17 min

Lab File: VU033968.D

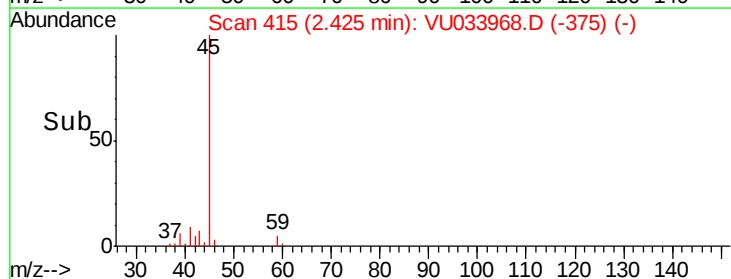
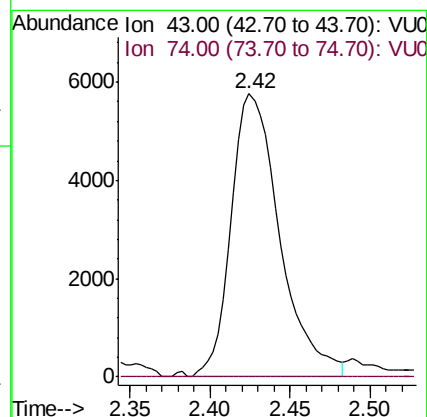
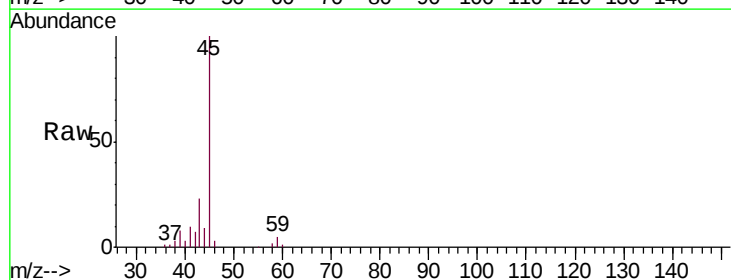
Acq: 26 Aug 2019 23:48

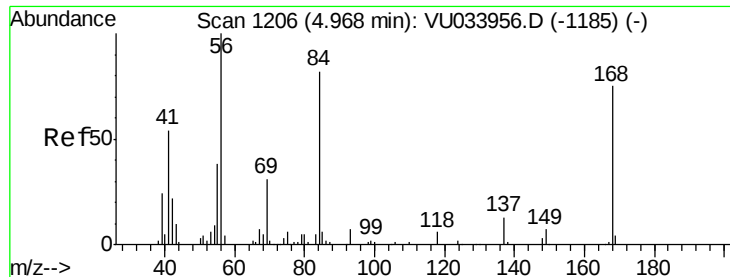
Tgt Ion: 43 Resp: 12014

Ion Ratio Lower Upper

43 100

74 0.0 18.2 27.2#

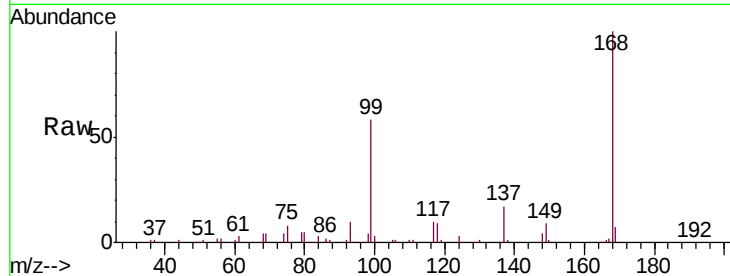




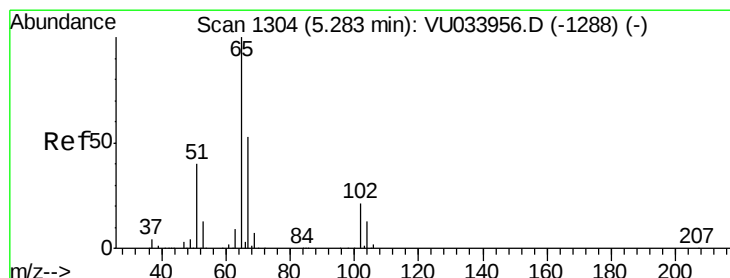
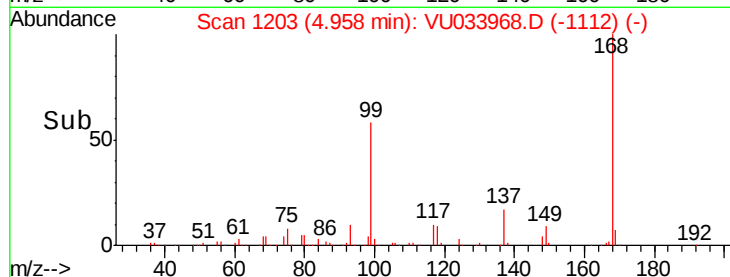
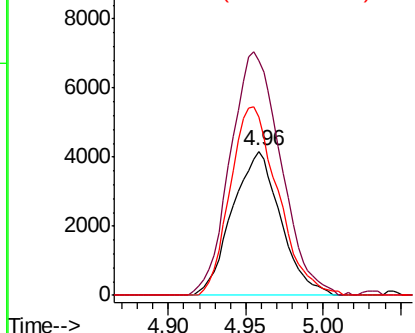
#31
Cyclohexane
Concen: 1.082 ug/l
RT: 4.96 min Scan# 1203
Delta R.T. -0.01 min
Lab File: VU033968.D
Acq: 26 Aug 2019 23:48

Instrument :
MSVOA_U
ClientSampleId :
PZ-1

Tgt Ion: 56 Resp: 9066
Ion Ratio Lower Upper
56 100
69 162.9 24.6 37.0#
84 123.6 65.4 98.0#

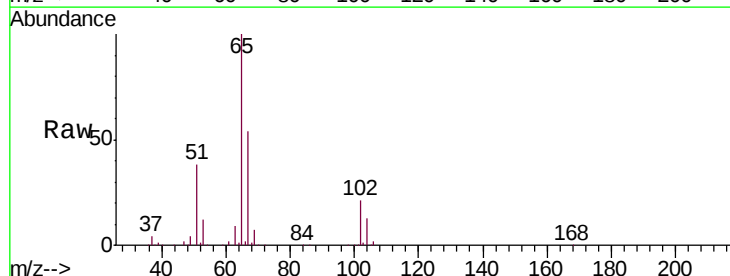


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

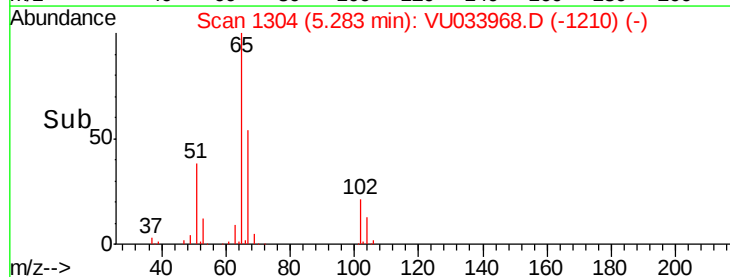
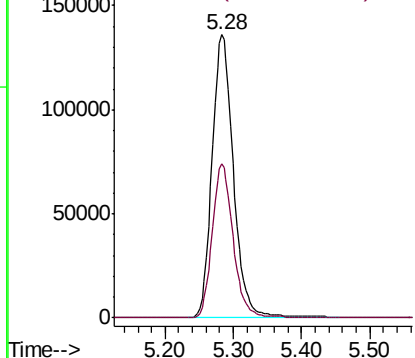


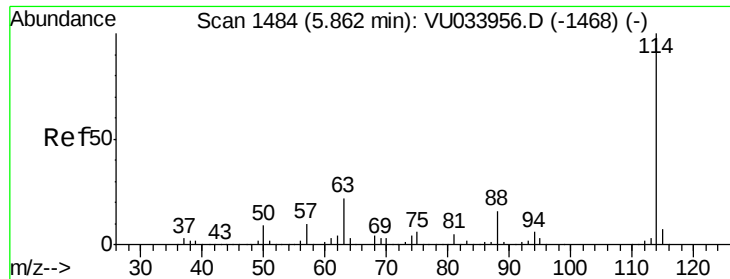
#33
1,2-Dichloroethane-d4
Concen: 51.438 ug/l
RT: 5.28 min Scan# 1304
Delta R.T. 0.00 min
Lab File: VU033968.D
Acq: 26 Aug 2019 23:48

Tgt Ion: 65 Resp: 296659
Ion Ratio Lower Upper
65 100
67 52.6 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: VU033968.D

Acq: 26 Aug 2019 23:48

Instrument :

MSVOA_U

ClientSampleId :

PZ-1

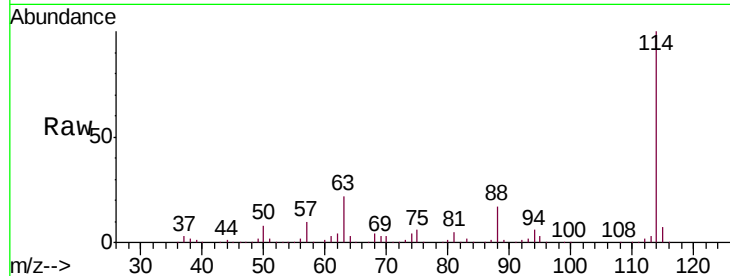
Tgt Ion:114 Resp: 655163

Ion Ratio Lower Upper

114 100

63 22.3 0.0 44.2

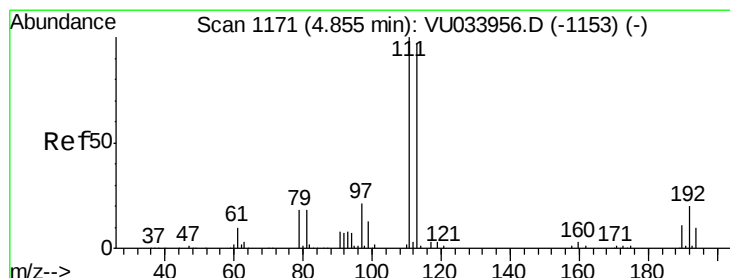
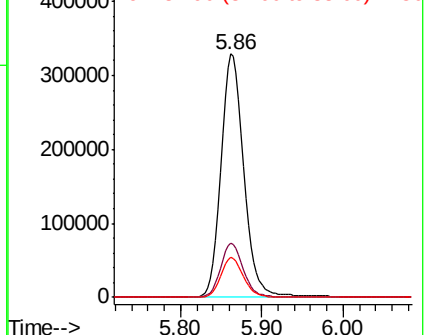
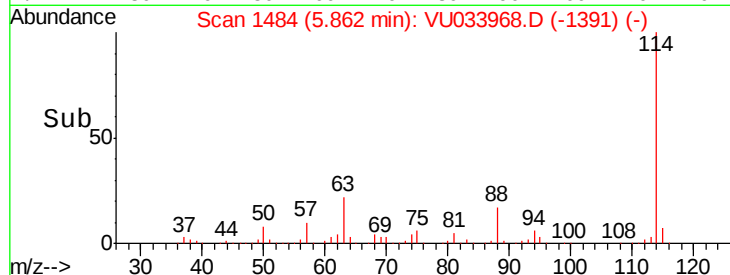
88 16.5 0.0 32.0



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: 49.459 ug/l

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VU033968.D

Acq: 26 Aug 2019 23:48

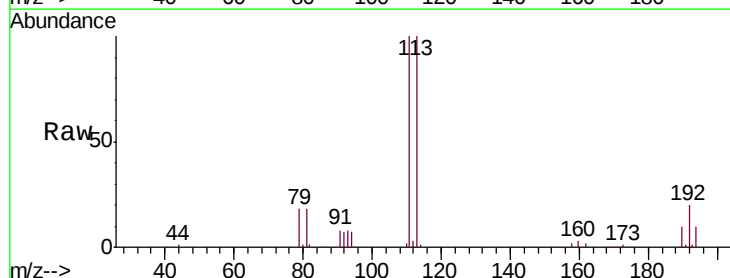
Tgt Ion:113 Resp: 225397

Ion Ratio Lower Upper

113 100

111 102.3 82.0 123.0

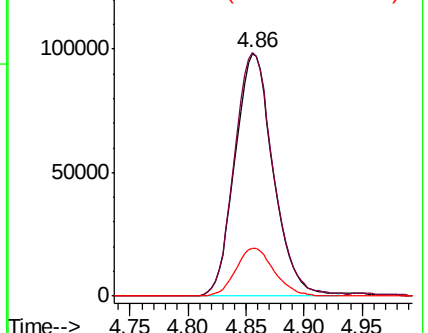
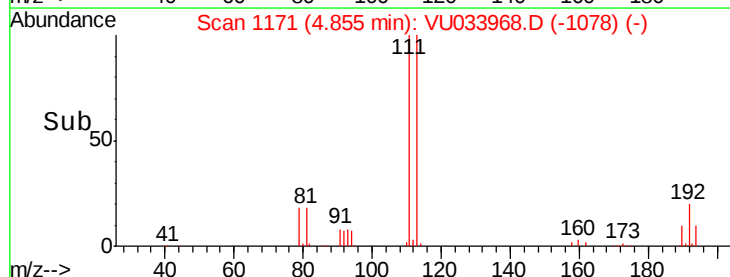
192 19.9 16.2 24.4

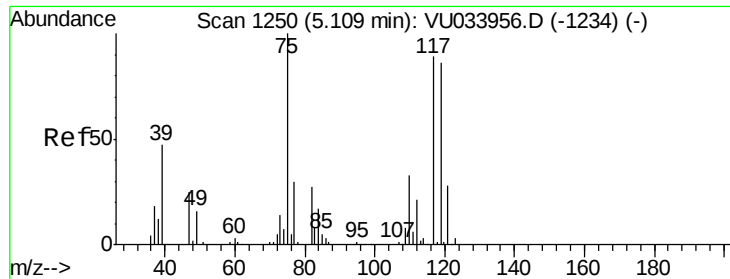


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

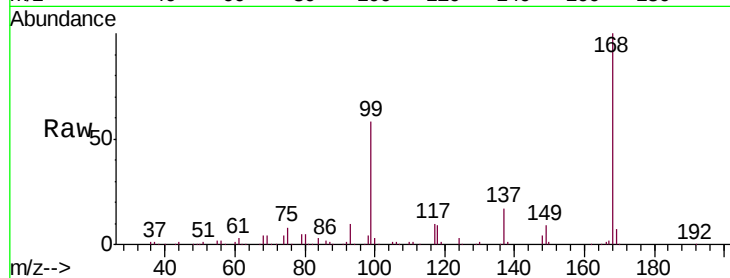




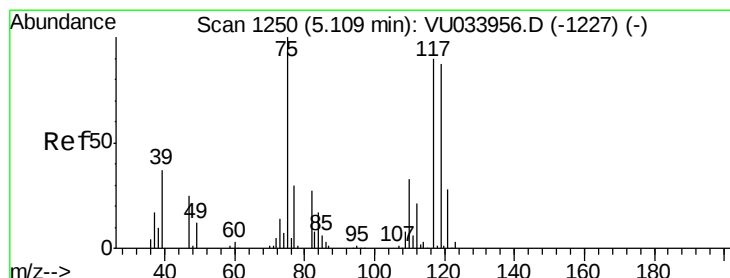
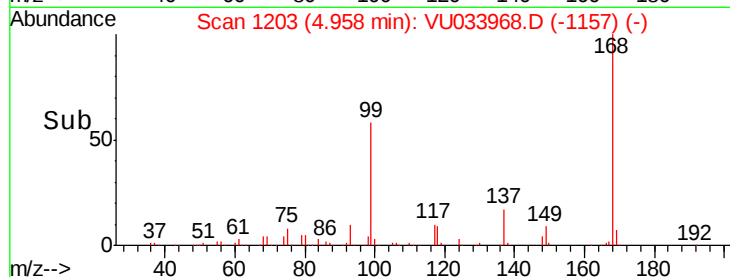
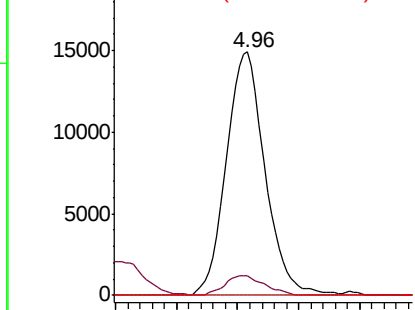
#36
 1,1-Dichloropropene
 Concen: 4.871 ug/l
 RT: 4.96 min Scan# 1203
 Delta R.T. -0.15 min
 Lab File: VU033968.D
 Acq: 26 Aug 2019 23:48

Instrument :
 MSVOA_U
 ClientSampleId :
 PZ-1

Tgt Ion: 75 Resp: 32951
 Ion Ratio Lower Upper
 75 100
 110 8.3 16.8 50.4#
 77 0.0 24.7 37.1#

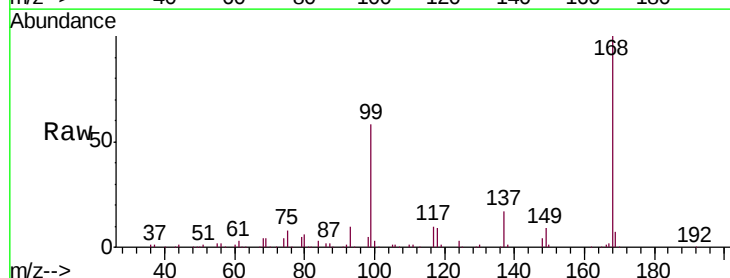


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

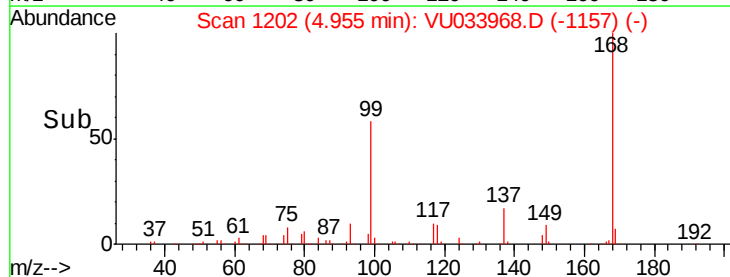
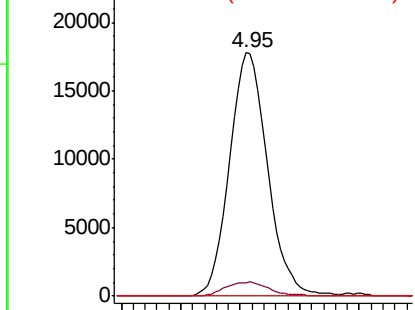


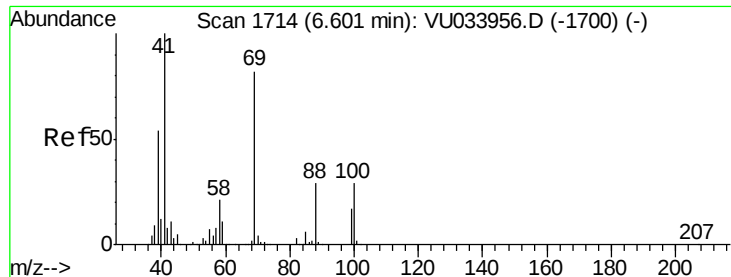
#38
 Carbon Tetrachloride
 Concen: 5.851 ug/l
 RT: 4.95 min Scan# 1202
 Delta R.T. -0.15 min
 Lab File: VU033968.D
 Acq: 26 Aug 2019 23:48

Tgt Ion: 117 Resp: 39415
 Ion Ratio Lower Upper
 117 100
 119 5.6 76.9 115.3#
 121 0.0 24.9 37.3#



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

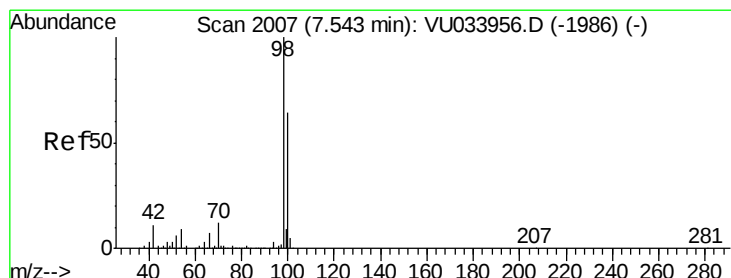
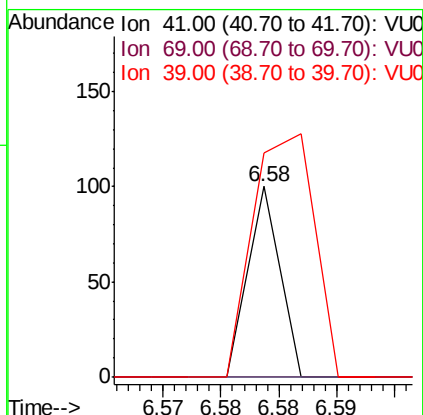
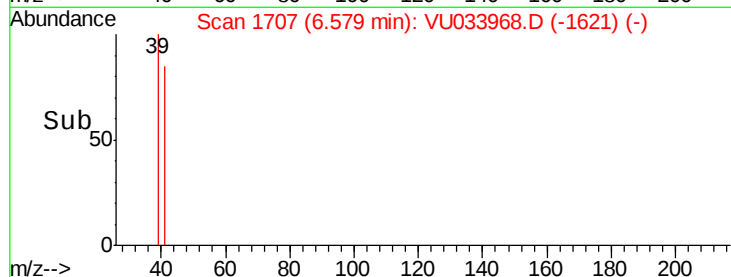
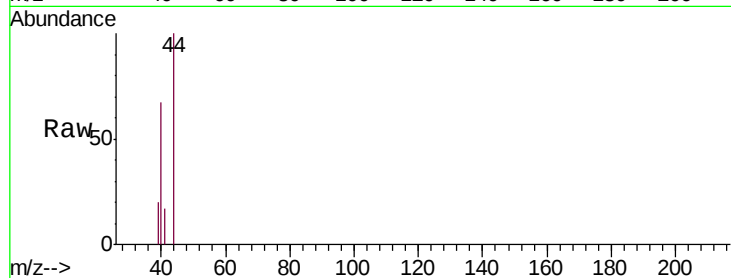




#48
Methyl methacrylate
Concen: 2.315 ug/l
RT: 6.58 min Scan# 1707
Delta R.T. -0.02 min
Lab File: VU033968.D
Acq: 26 Aug 2019 23:48

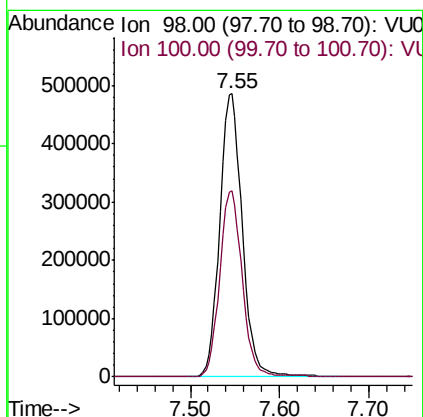
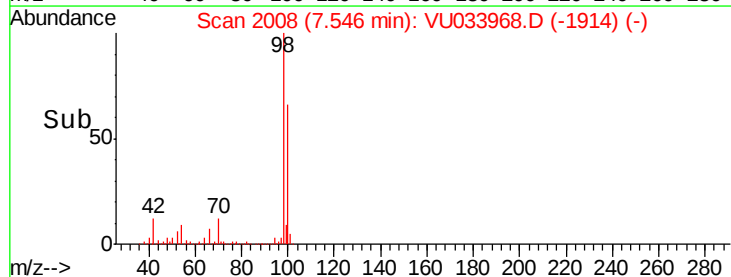
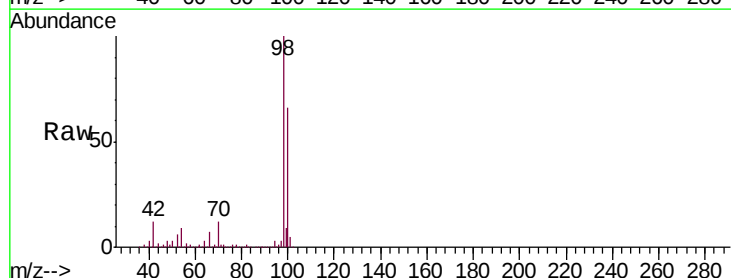
Instrument :
MSVOA_U
ClientSampleId :
PZ-1

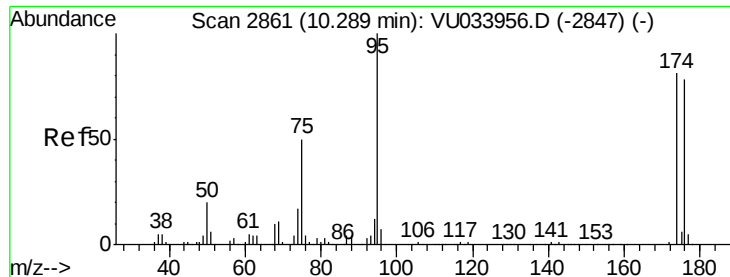
Tgt Ion: 41 Resp: 19
Ion Ratio Lower Upper
41 100
69 0.0 66.9 100.3#
39 247.4 43.3 64.9#



#50
Toluene-d8
Concen: 50.514 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU033968.D
Acq: 26 Aug 2019 23:48

Tgt Ion: 98 Resp: 851532
Ion Ratio Lower Upper
98 100
100 65.8 51.8 77.6





#62

4-Bromofluorobenzene

Concen: 40.076 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU033968.D

Acq: 26 Aug 2019 23:48

Instrument :

MSVOA_U

ClientSampleId :

PZ-1

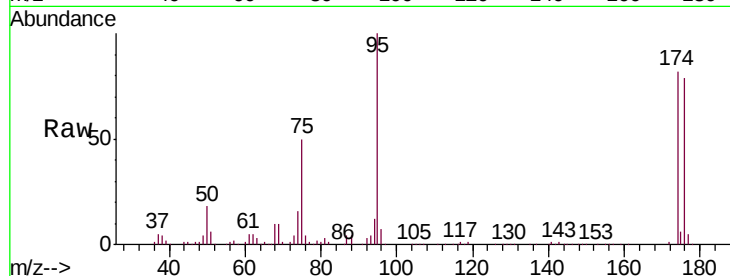
Tgt Ion: 95 Resp: 260429

Ion Ratio Lower Upper

95 100

174 83.9 0.0 160.4

176 79.6 0.0 154.2



Abundance Ion 94.90 (94.60 to 95.60): VU

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

150000

100000

50000

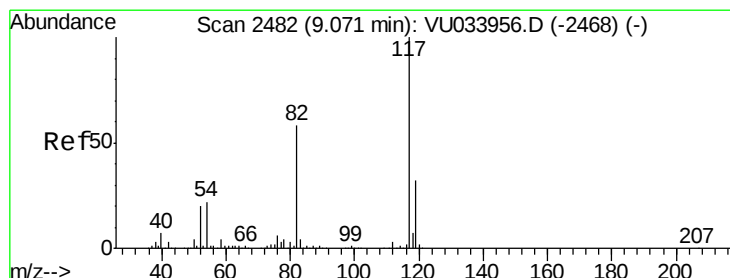
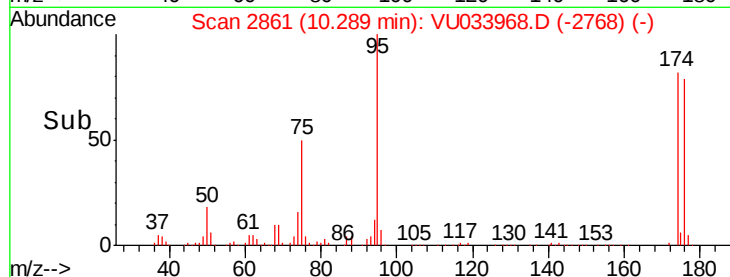
0

10.20

10.30

10.40

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.07 min Scan# 2482

Delta R.T. 0.00 min

Lab File: VU033968.D

Acq: 26 Aug 2019 23:48

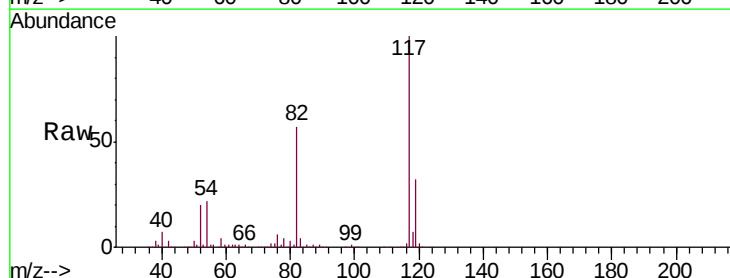
Tgt Ion: 117 Resp: 632135

Ion Ratio Lower Upper

117 100

82 56.7 46.4 69.6

119 32.2 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU

Ion 118.90 (118.60 to 119.60): V

500000

400000

300000

200000

100000

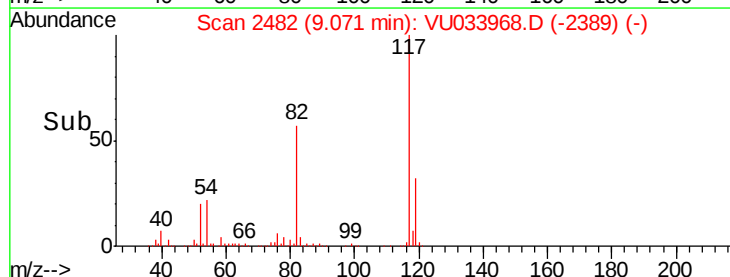
0

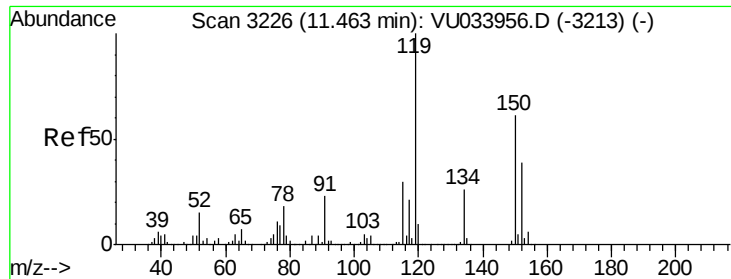
9.00

9.10

9.20

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.47 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VU033968.D

Acq: 26 Aug 2019 23:48

Instrument :

MSVOA_U

ClientSampleId :

PZ-1

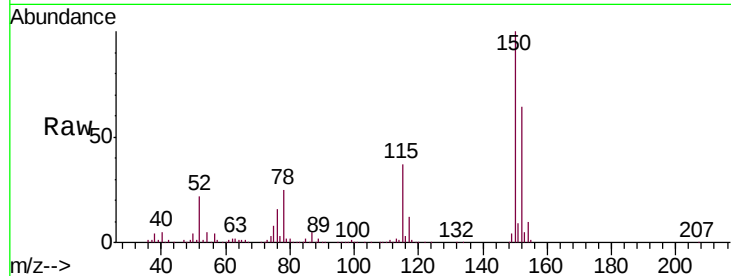
Tgt Ion:152 Resp: 262031

Ion Ratio Lower Upper

152 100

115 57.2 40.3 120.9

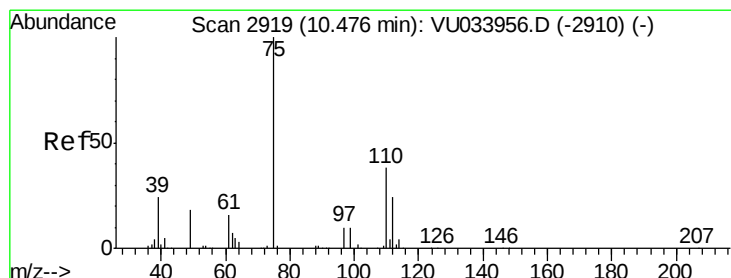
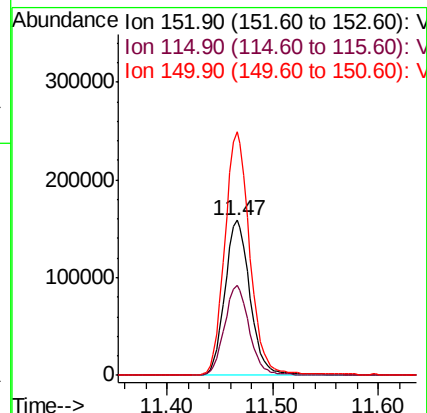
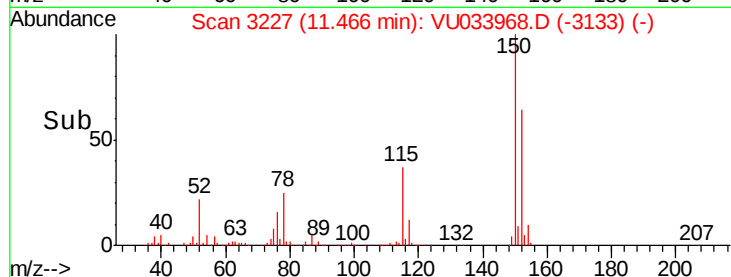
150 155.9 0.0 346.0



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: 21.092 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.19 min

Lab File: VU033968.D

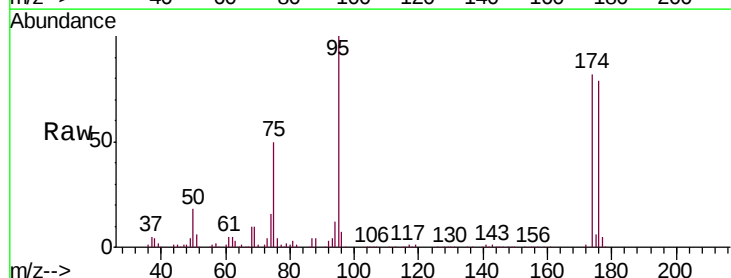
Acq: 26 Aug 2019 23:48

Tgt Ion: 75 Resp: 127862

Ion Ratio Lower Upper

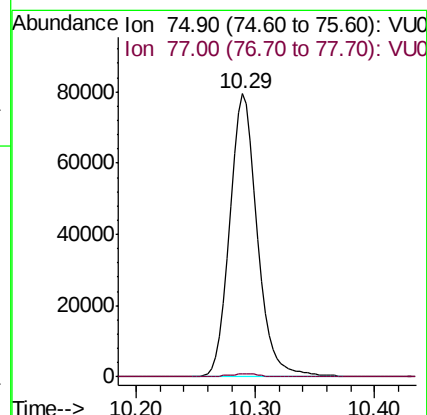
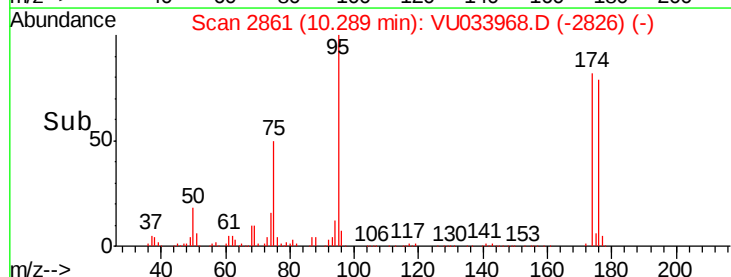
75 100

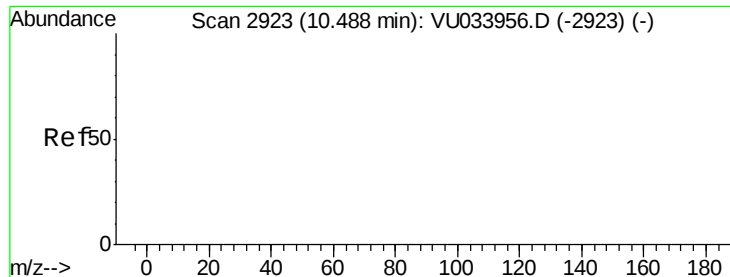
77 1.2 20.1 60.3#



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: 56.241 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.20 min

Lab File: VU033968.D

Acq: 26 Aug 2019 23:48

Instrument :

MSVOA_U

ClientSampled :

PZ-1

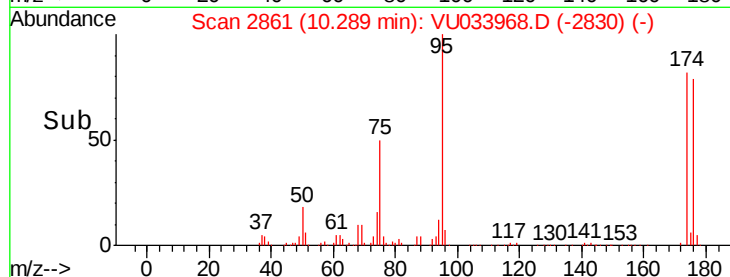
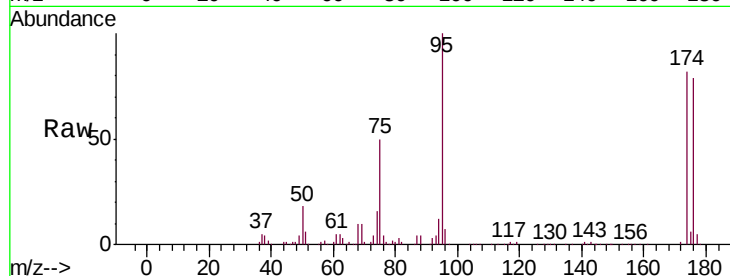
Tgt Ion: 75 Resp: 127862

Ion Ratio Lower Upper

75 100

53 0.1 0.0 0.0#

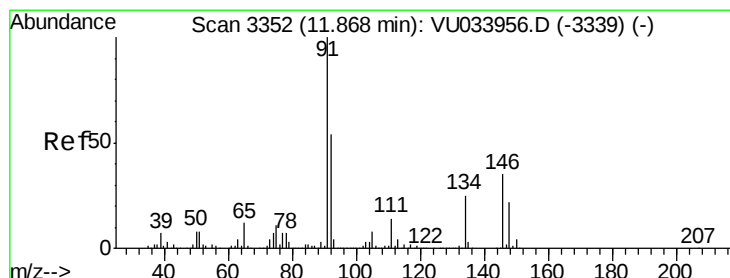
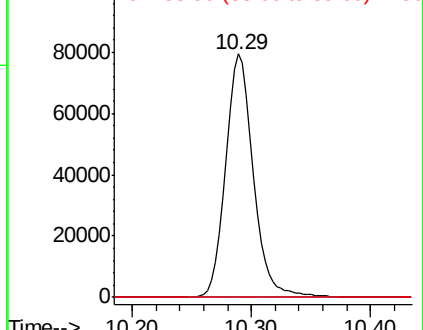
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#89

n-Butylbenzene

Concen: 2.705 ug/l

RT: 11.87 min Scan# 3354

Delta R.T. 0.01 min

Lab File: VU033968.D

Acq: 26 Aug 2019 23:48

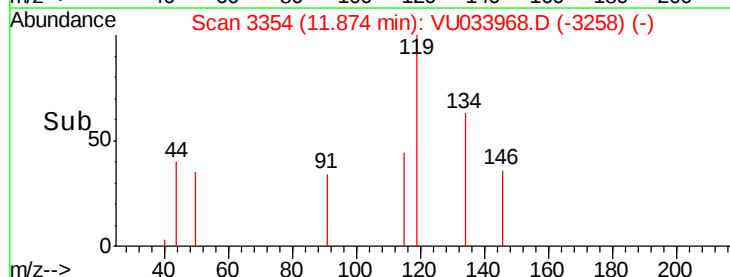
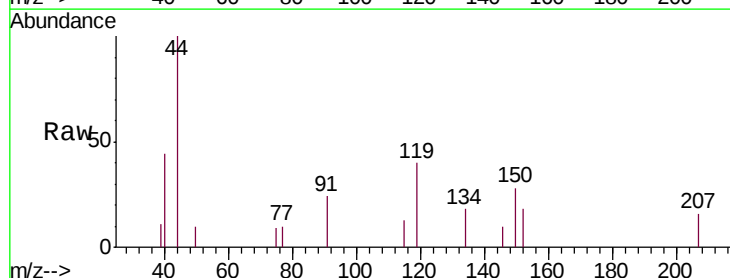
Tgt Ion: 91 Resp: 540

Ion Ratio Lower Upper

91 100

92 0.0 26.9 80.6#

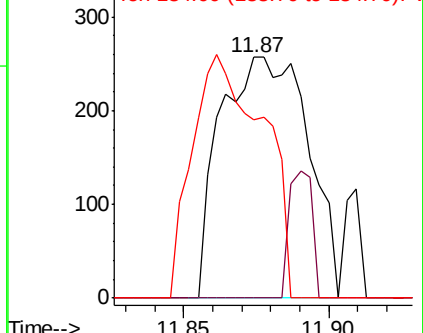
134 81.9 12.6 37.6#

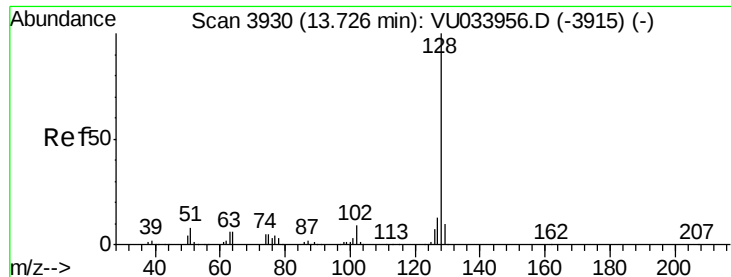


Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V





#95

Naphthalene

Concen: 4.512 ug/l

RT: 13.80 min Scan# 3953

Delta R.T. 0.07 min

Lab File: VU033968.D

Acq: 26 Aug 2019 23:48

Instrument :

MSVOA_U

ClientSampleId :

PZ-1

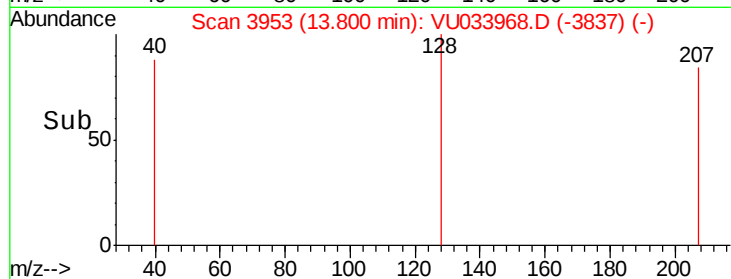
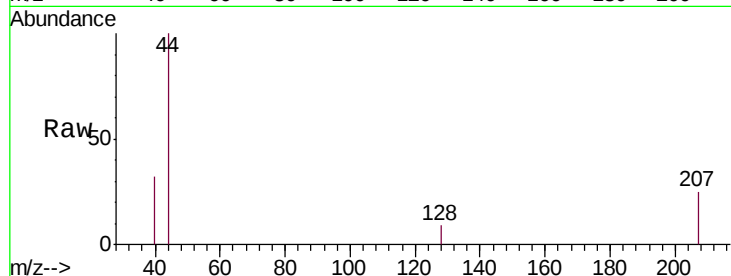
Tgt Ion:128 Resp: 73

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

