

Data File : VU033981.D
Acq On : 27 Aug 2019 18:41
Operator : JC/SP
Sample : K4566-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
FB-082719

Quant Time: Aug 28 04:04:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082819W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 28 02:42:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	389587	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	556232	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	520159	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	232797	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	202898	46.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.76%	
35) Dibromofluoromethane	4.86	113	180298	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	
50) Toluene-d8	7.55	98	683346	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
62) 4-Bromofluorobenzene	10.29	95	227312	42.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.94%	

Target Compounds

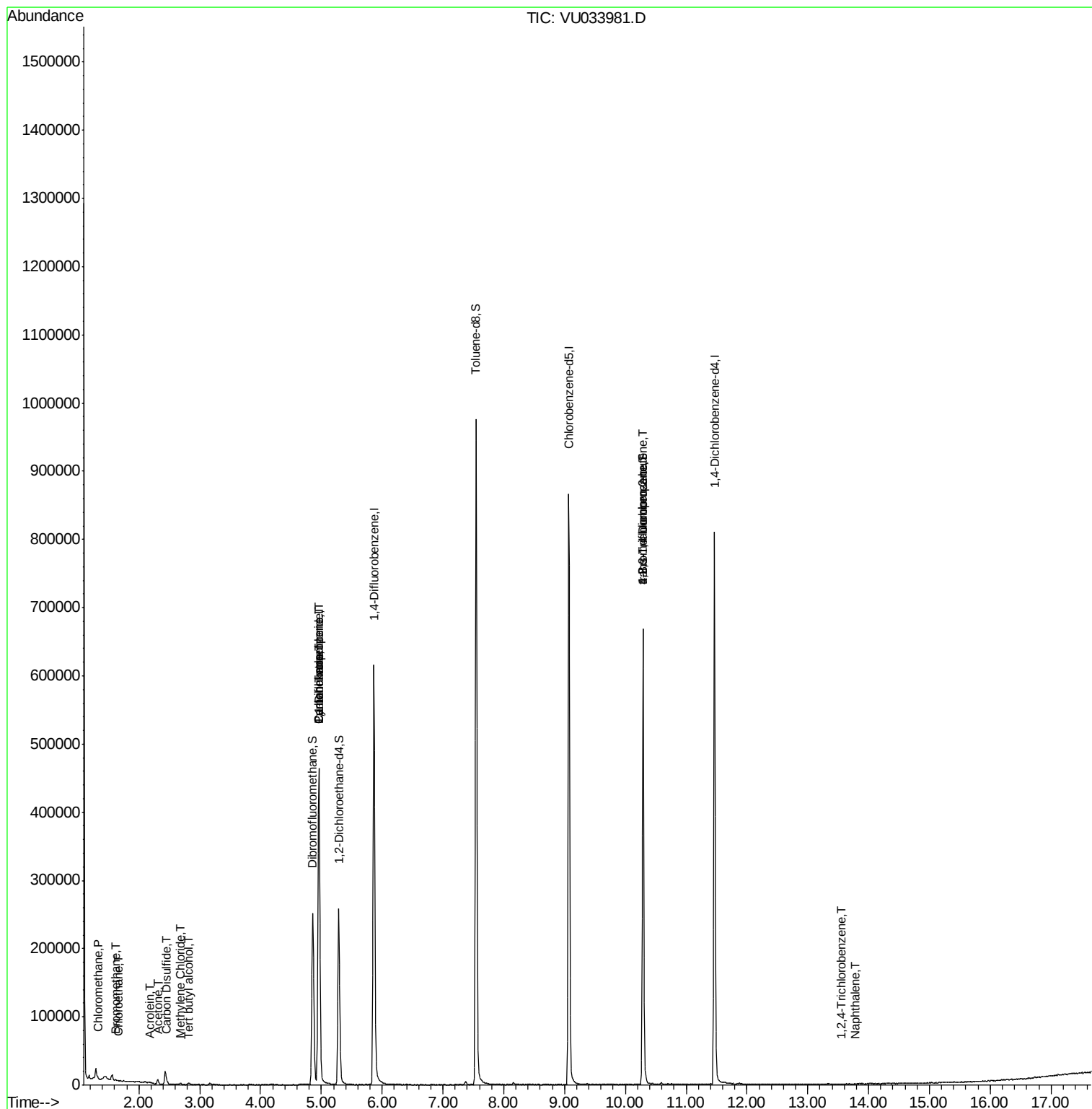
						Qvalue
3) Chloromethane	1.32	50	2331	1.451	ug/l	92
5) Bromomethane	1.61	94	1037	0.436	ug/l	96
6) Chloroethane	1.68	64	502	0.216	ug/l #	44
11) Tert butyl alcohol	2.81	59	1404	1.252	ug/l #	85
13) Acrolein	2.18	56	74	0.208	ug/l #	81
16) Acetone	2.31	43	7745	3.738	ug/l	91
17) Carbon Disulfide	2.46	76	2883	0.256	ug/l	100
20) Methylene Chloride	2.68	84	1120	0.255	ug/l	93
31) Cyclohexane	4.96	56	6255	0.980	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	25187	4.944	ug/l #	49
38) Carbon Tetrachloride	4.96	117	33962	6.541	ug/l #	15
76) 1,2,3-Trichloropropane	10.29	75	106189	22.893	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.29	75	106189	65.571	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.55	180	165	1.772	ug/l #	71
95) Naphthalene	13.77	128	171	2.094	ug/l #	70

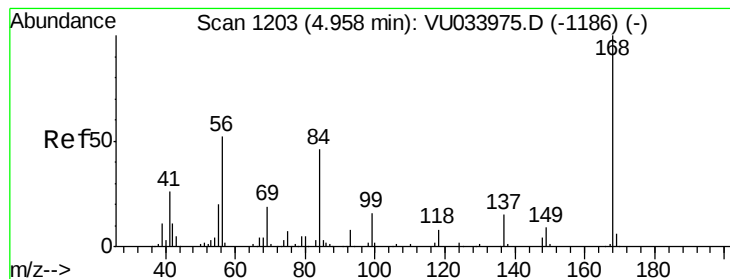
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU033981.D

Acq: 27 Aug 2019 18:41

Instrument :

MSVOA_U

ClientSampleId :

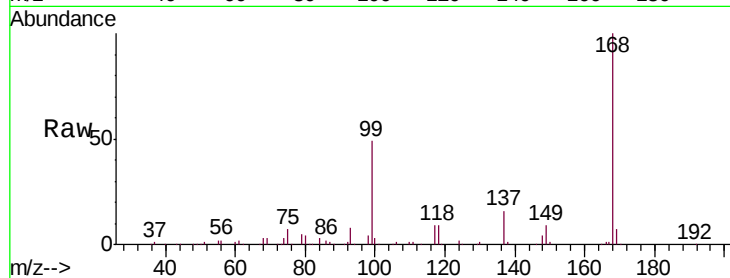
FB-082719

Tgt Ion:168 Resp: 389587

Ion Ratio Lower Upper

168 100

99 49.1 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): VU033975.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU033975.D (-1186) (-)

4.96

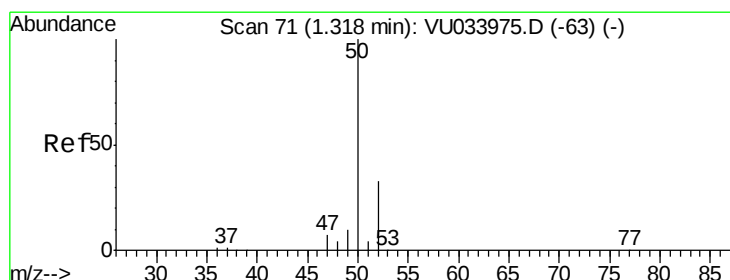
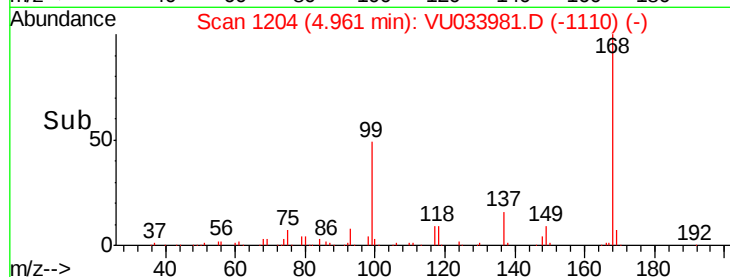
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 1.451 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.01 min

Lab File: VU033981.D

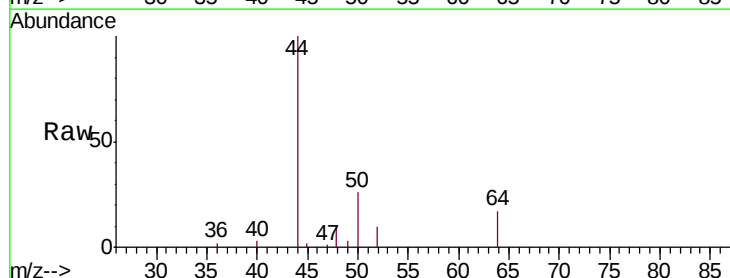
Acq: 27 Aug 2019 18:41

Tgt Ion: 50 Resp: 2331

Ion Ratio Lower Upper

50 100

52 37.4 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VU033975.D (-63) (-)

Ion 51.90 (51.60 to 52.60): VU033975.D (-63) (-)

1.32

2000

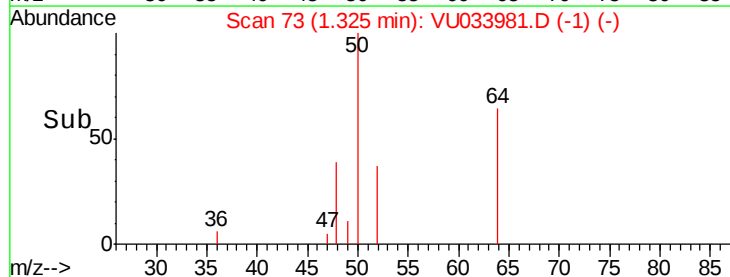
1500

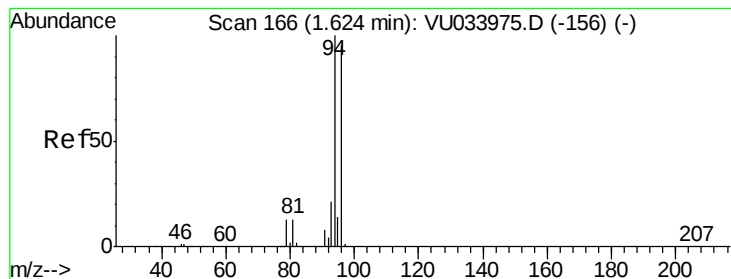
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.436 ug/l

RT: 1.61 min Scan# 163

Delta R.T. -0.01 min

Lab File: VU033981.D

Acq: 27 Aug 2019 18:41

Instrument :

MSVOA_U

ClientSampleId :

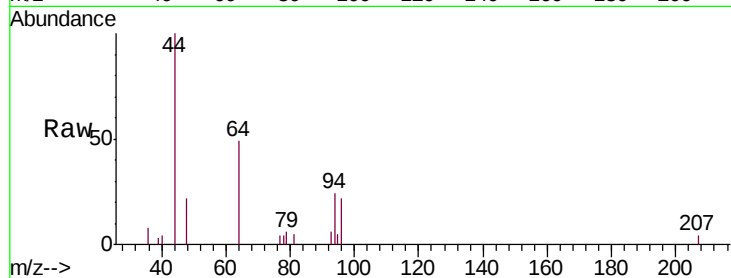
FB-082719

Tgt Ion: 94 Resp: 1037

Ion Ratio Lower Upper

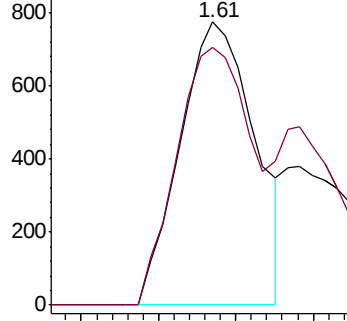
94 100

96 91.2 76.3 114.5

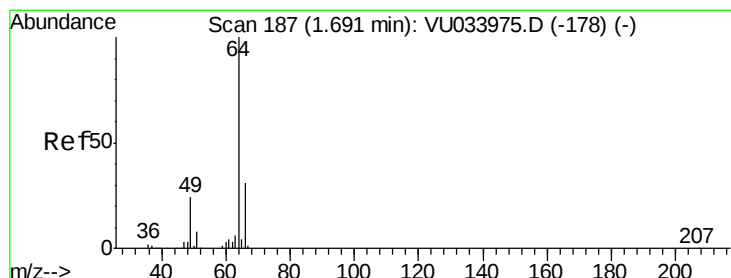
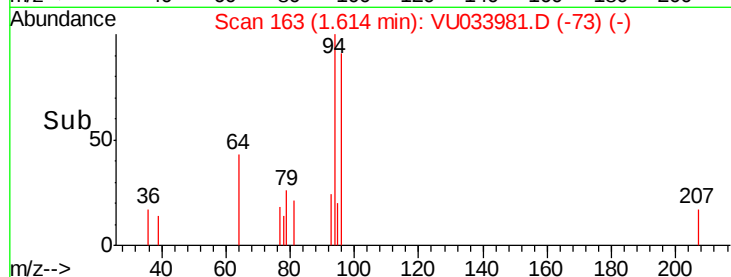


Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



Time-->



#6

Chloroethane

Concen: 0.216 ug/l

RT: 1.68 min Scan# 182

Delta R.T. -0.02 min

Lab File: VU033981.D

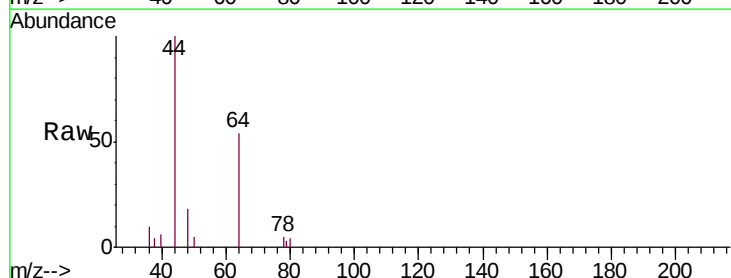
Acq: 27 Aug 2019 18:41

Tgt Ion: 64 Resp: 502

Ion Ratio Lower Upper

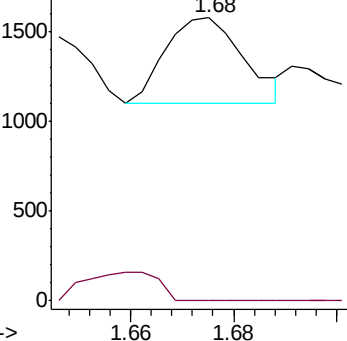
64 100

66 0.0 24.9 37.3#

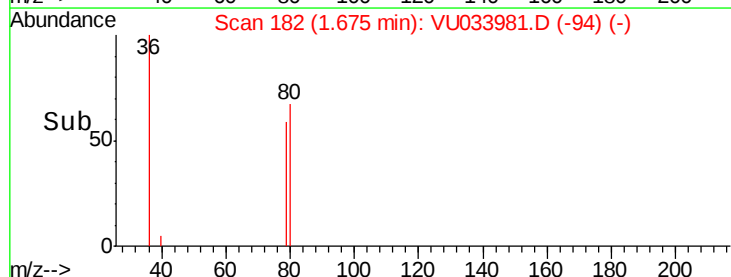


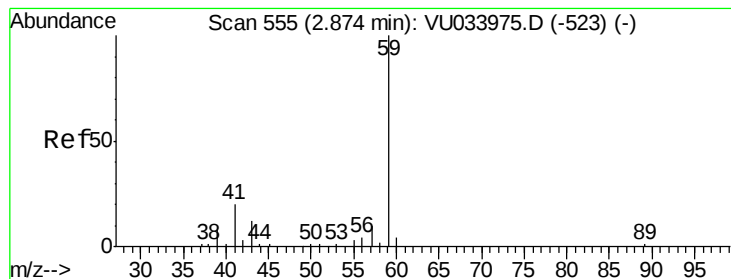
Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



Time-->



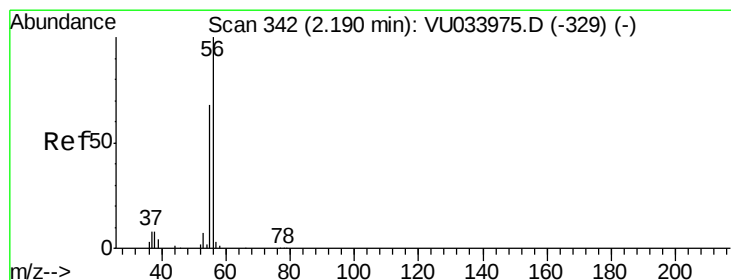
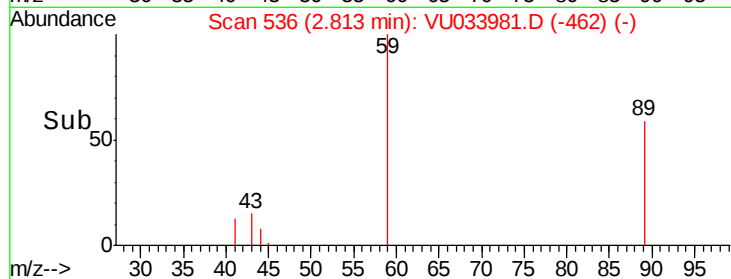
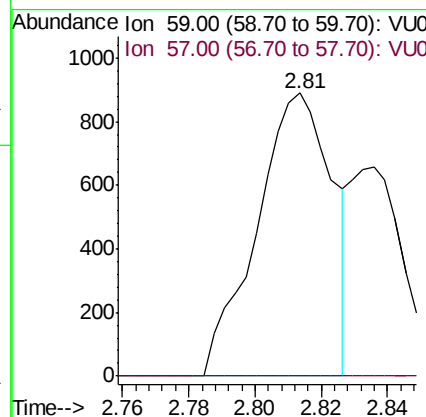
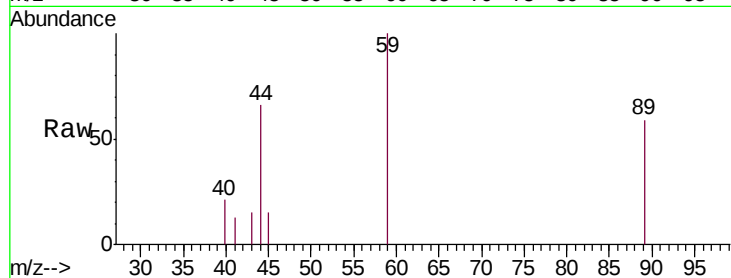


#11

Tert butyl alcohol
 Concen: 1.252 ug/l
 RT: 2.81 min Scan# 536
 Delta R.T. -0.06 min
 Lab File: VU033981.D
 Acq: 27 Aug 2019 18:41

Instrument :
 MSVOA_U
 ClientSampleId :
 FB-082719

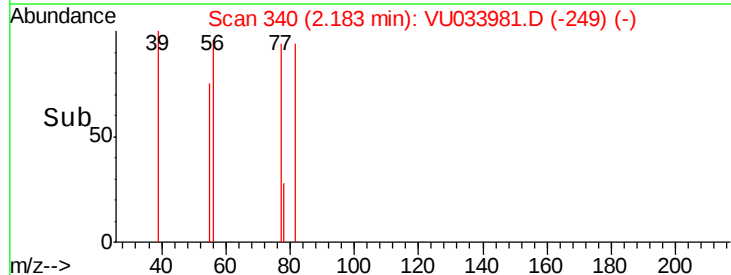
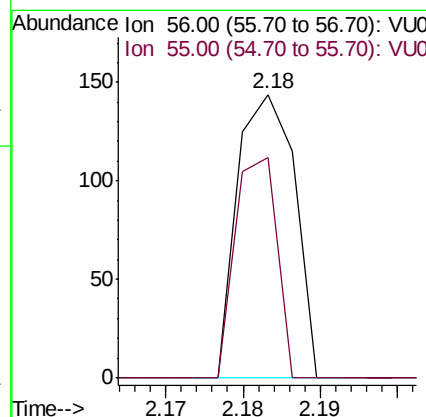
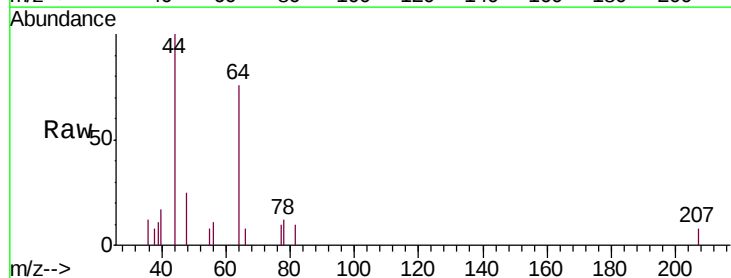
Tgt Ion: 59 Resp: 1404
 Ion Ratio Lower Upper
 59 100
 57 0.0 3.9 5.9#

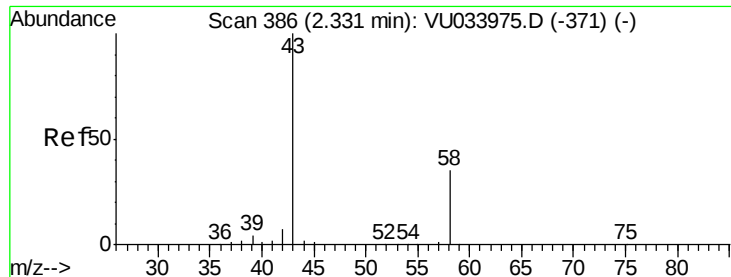


#13

Acrolein
 Concen: 0.208 ug/l
 RT: 2.18 min Scan# 340
 Delta R.T. -0.01 min
 Lab File: VU033981.D
 Acq: 27 Aug 2019 18:41

Tgt Ion: 56 Resp: 74
 Ion Ratio Lower Upper
 56 100
 55 56.8 58.0 87.0#





#16

Acetone

Concen: 3.738 ug/l

RT: 2.31 min Scan# 379

Delta R.T. -0.02 min

Lab File: VU033981.D

Acq: 27 Aug 2019 18:41

Instrument :

MSVOA_U

ClientSampleId :

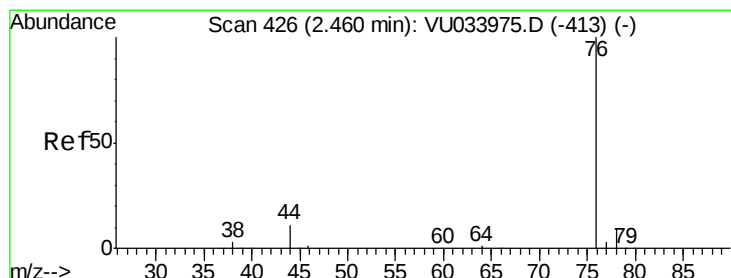
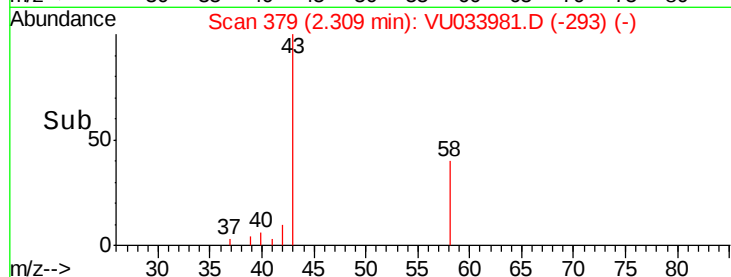
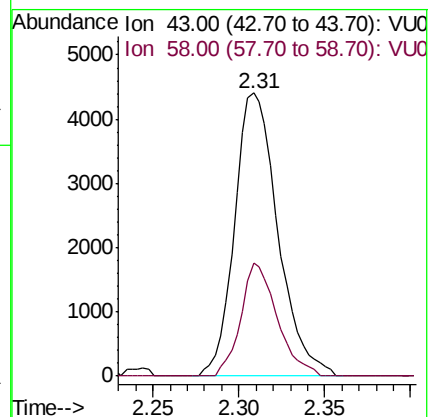
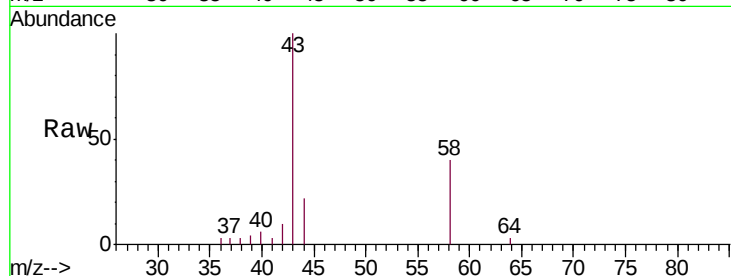
FB-082719

Tgt Ion: 43 Resp: 7745

Ion Ratio Lower Upper

43 100

58 40.0 28.0 42.0



#17

Carbon Disulfide

Concen: 0.256 ug/l

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU033981.D

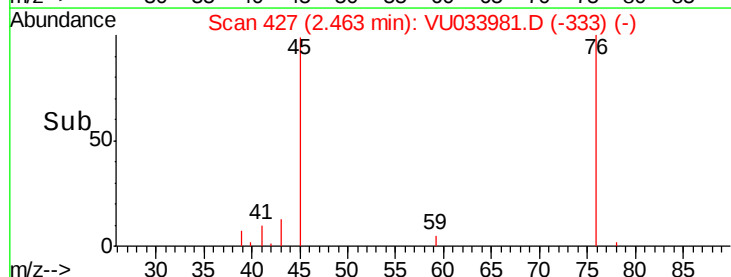
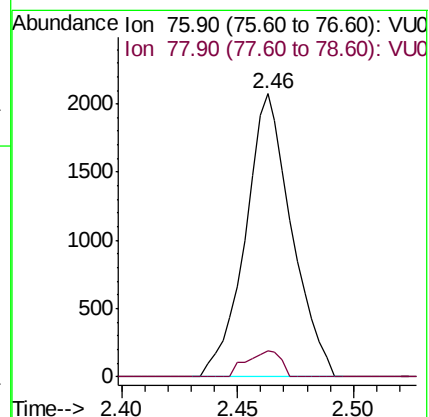
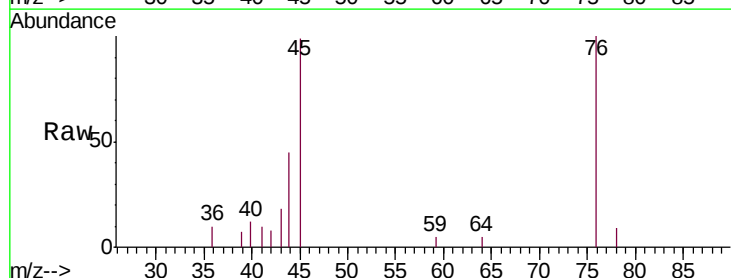
Acq: 27 Aug 2019 18:41

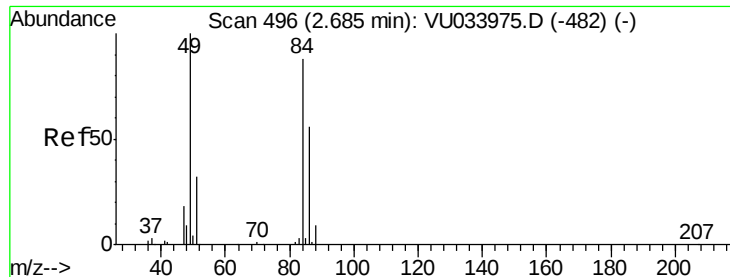
Tgt Ion: 76 Resp: 2883

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3





#20

Methylene Chloride

Concen: 0.255 ug/l

RT: 2.68 min Scan# 496

Delta R.T. -0.00 min

Lab File: VU033981.D

Acq: 27 Aug 2019 18:41

Instrument :

MSVOA_U

ClientSampleId :

FB-082719

Tgt Ion: 84 Resp: 1120

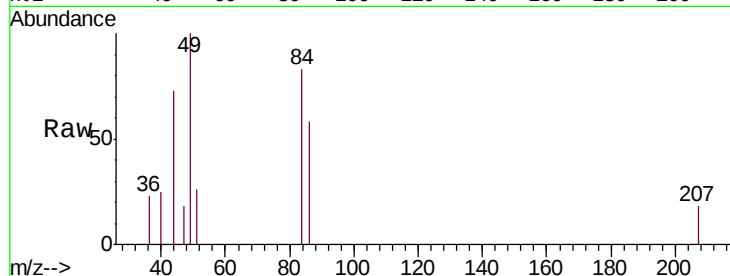
Ion Ratio Lower Upper

84 100

49 121.2 91.3 136.9

51 32.1 28.9 43.3

86 70.7 50.9 76.3

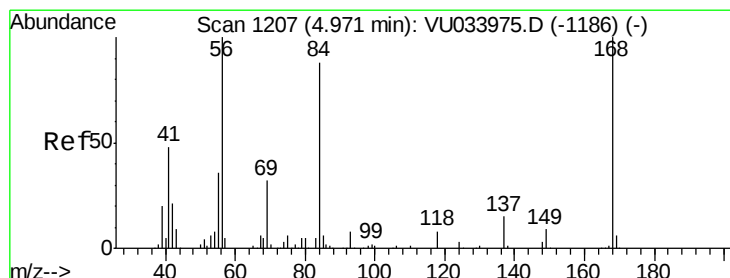
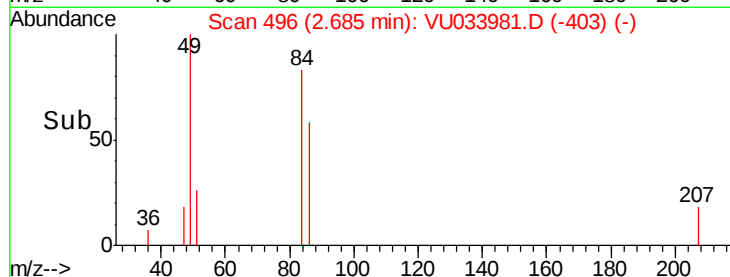
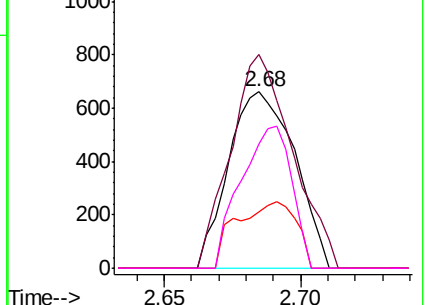


Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0



#31

Cyclohexane

Concen: 0.980 ug/l

RT: 4.96 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VU033981.D

Acq: 27 Aug 2019 18:41

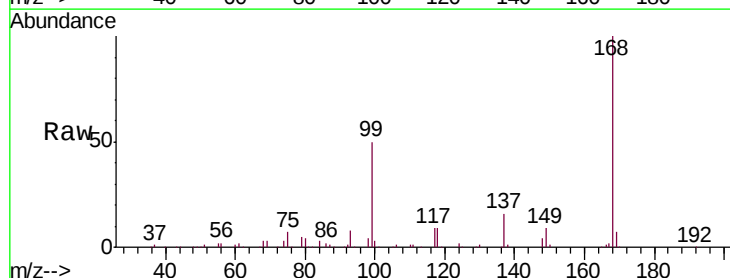
Tgt Ion: 56 Resp: 6255

Ion Ratio Lower Upper

56 100

69 187.0 25.9 38.9#

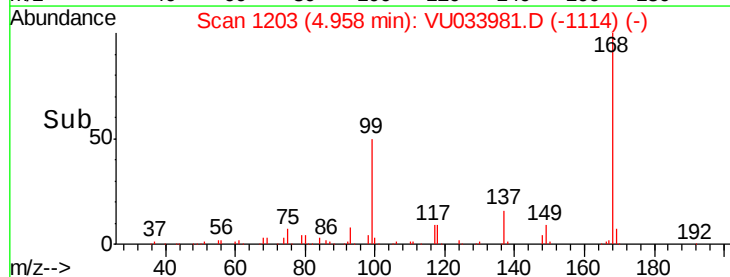
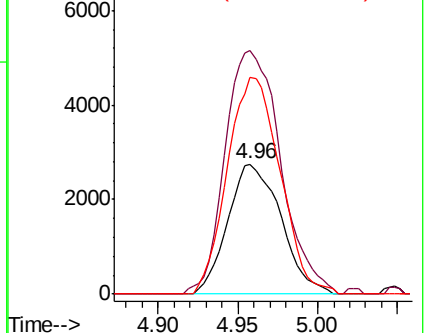
84 166.5 70.4 105.6#

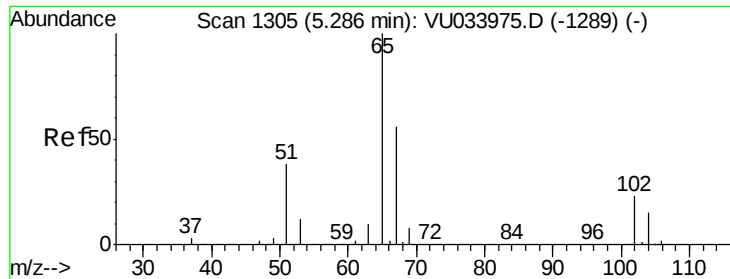


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0

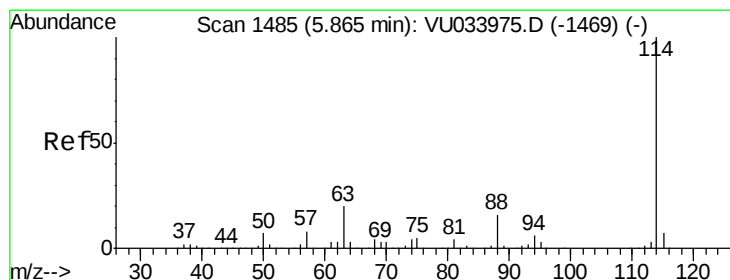
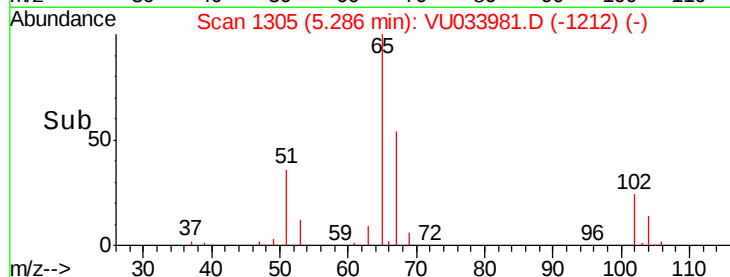
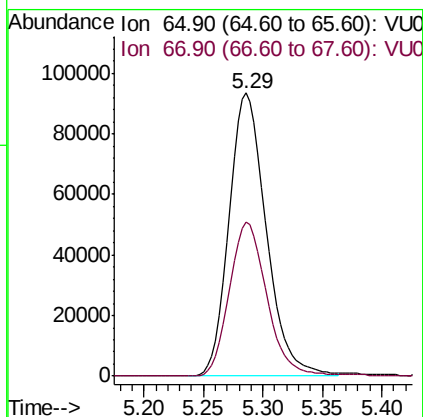
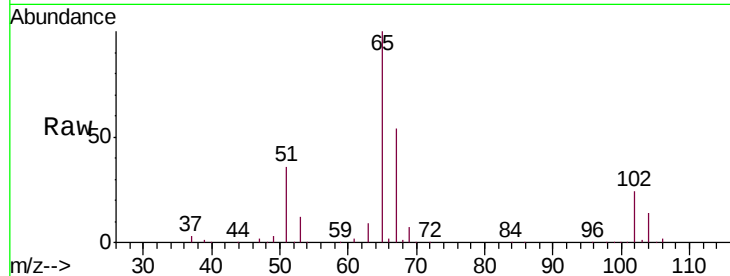




#33
 1,2-Dichloroethane-d4
 Concen: 46.879 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. -0.00 min
 Lab File: VU033981.D
 Acq: 27 Aug 2019 18:41

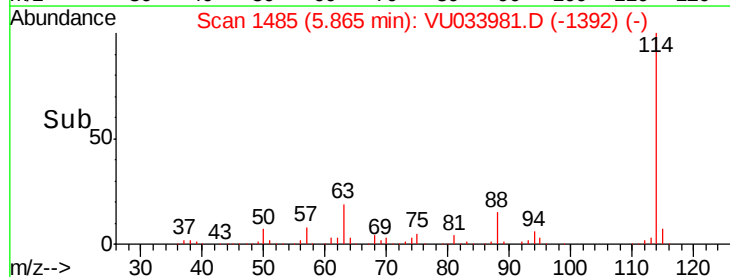
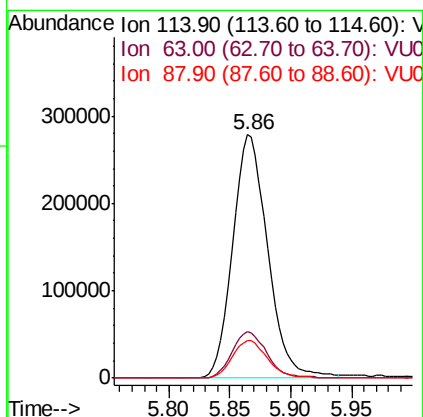
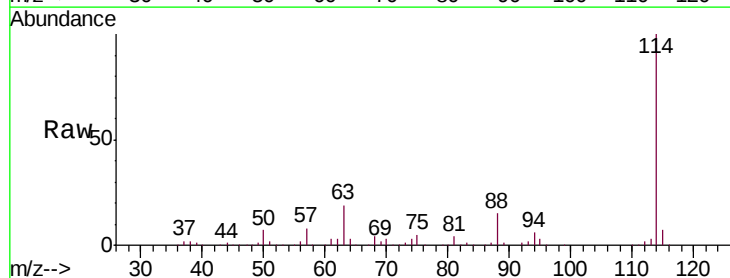
Instrument :
 MSVOA_U
 ClientSampleId :
 FB-082719

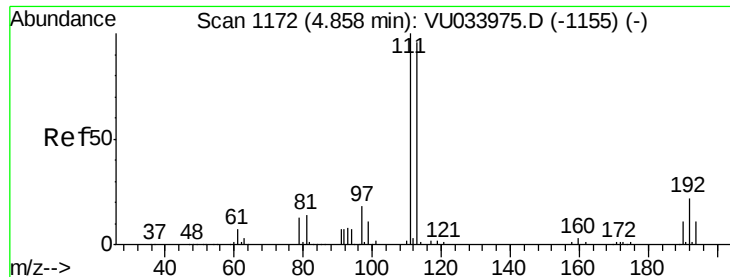
Tgt Ion: 65 Resp: 202898
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VU033981.D
 Acq: 27 Aug 2019 18:41

Tgt Ion: 114 Resp: 556232
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.0
 88 15.4 0.0 31.2

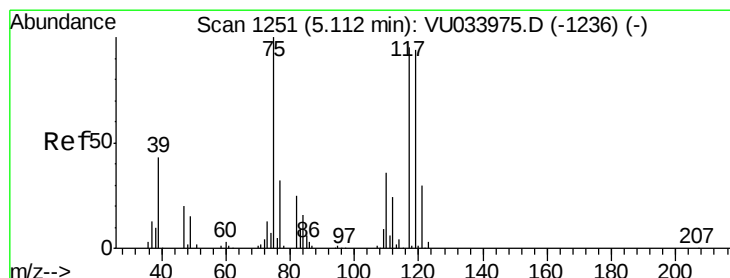
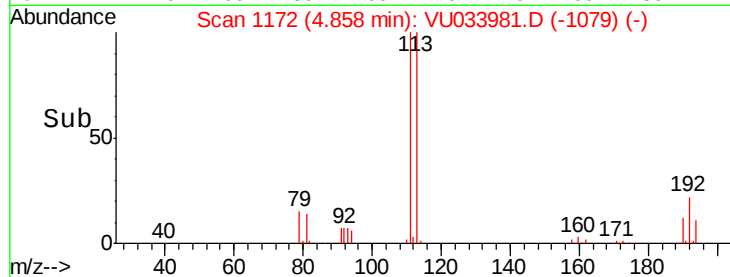
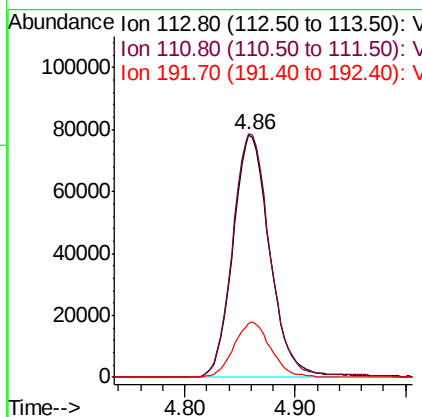
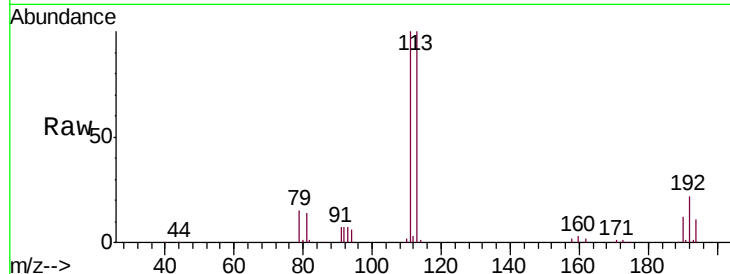




#35
 Dibromofluoromethane
 Concen: 48.221 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU033981.D
 Acq: 27 Aug 2019 18:41

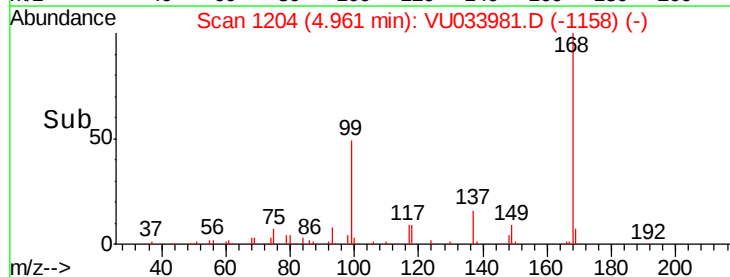
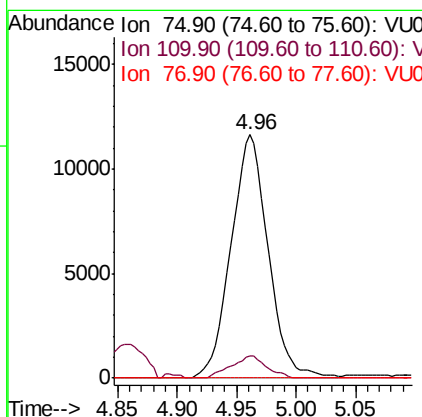
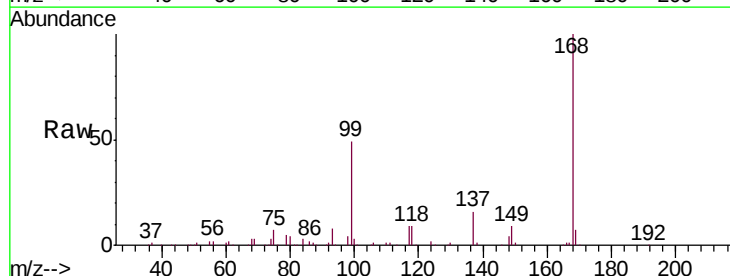
Instrument :
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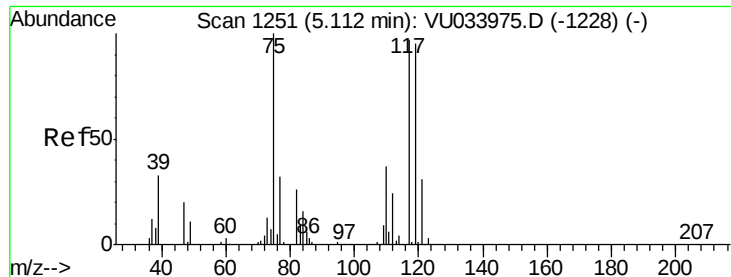
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.7	122.5
192	22.9	18.6	27.8



#36
 1,1-Dichloropropene
 Concen: 4.944 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU033981.D
 Acq: 27 Aug 2019 18:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.2	54.6#
77	0.0	24.8	37.2#

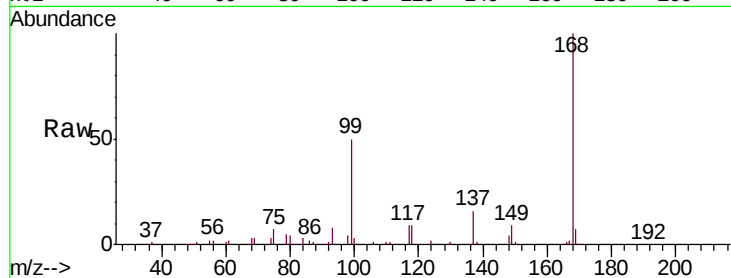




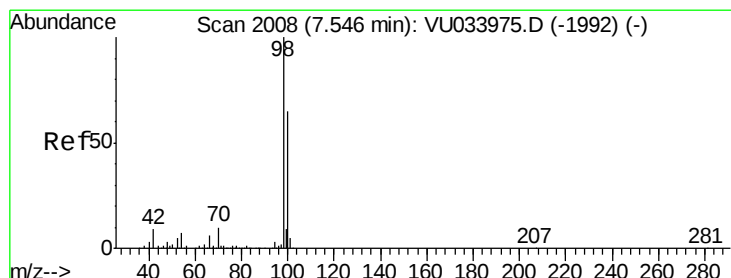
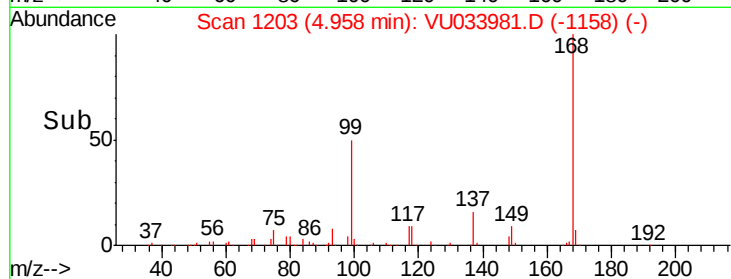
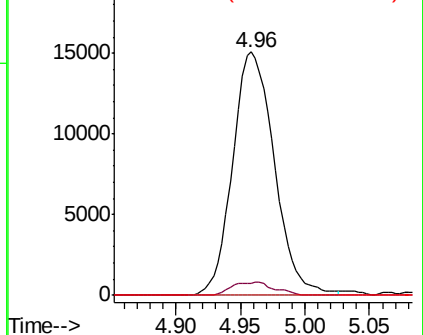
#38
Carbon Tetrachloride
Concen: 6.541 ug/l
RT: 4.96 min Scan# 1203
Delta R.T. -0.15 min
Lab File: VU033981.D
Acq: 27 Aug 2019 18:41

Instrument :
MSVOA_U
ClientSampleId :
FB-082719

Tgt Ion: 117 Resp: 33962
Ion Ratio Lower Upper
117 100
119 5.0 78.4 117.6#
121 0.0 25.4 38.2#

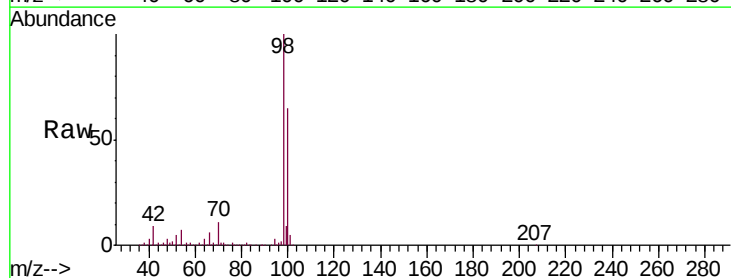


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

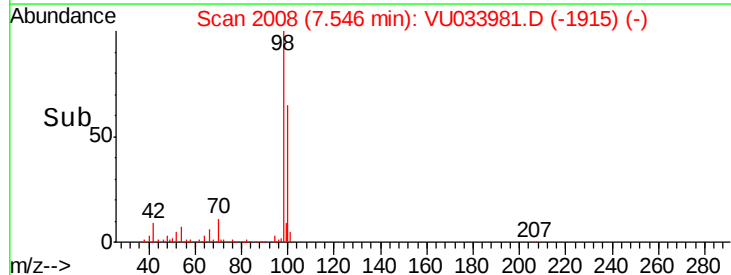
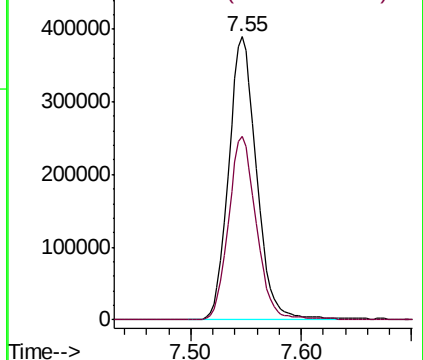


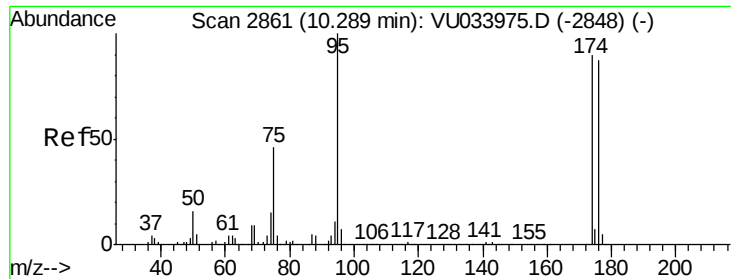
#50
Toluene-d8
Concen: 49.550 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. -0.00 min
Lab File: VU033981.D
Acq: 27 Aug 2019 18:41

Tgt Ion: 98 Resp: 683346
Ion Ratio Lower Upper
98 100
100 65.2 51.5 77.3



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

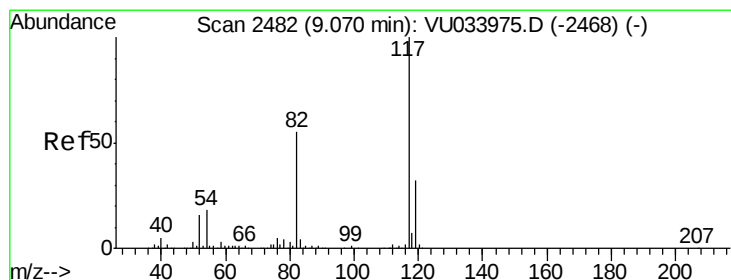
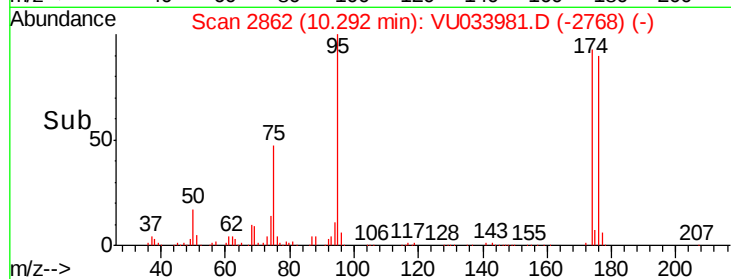
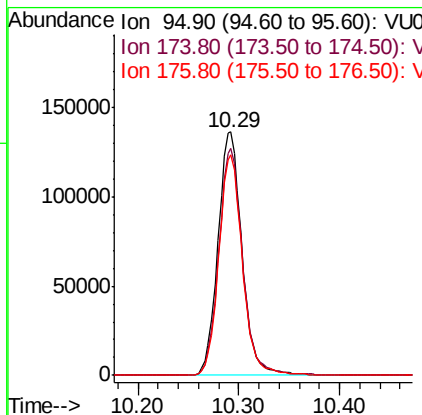
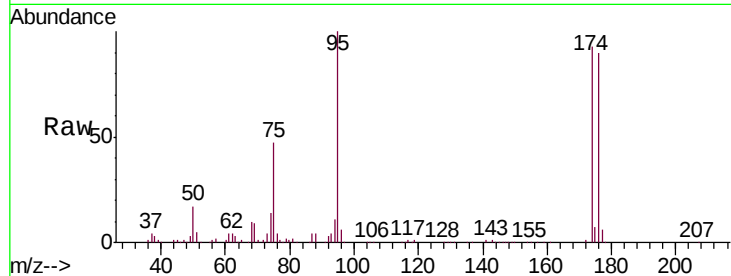




#62
4-Bromofluorobenzene
Concen: 42.969 ug/l
RT: 10.29 min Scan# 2862
Delta R.T. 0.00 min
Lab File: VU033981.D
Acq: 27 Aug 2019 18:41

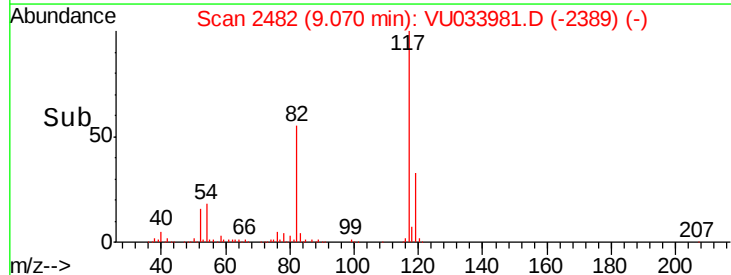
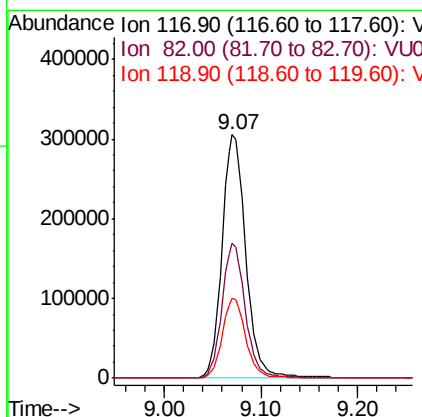
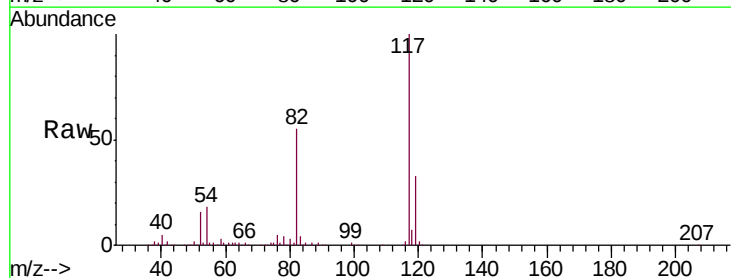
Instrument :
MSVOA_U
ClientSampleId :
FB-082719

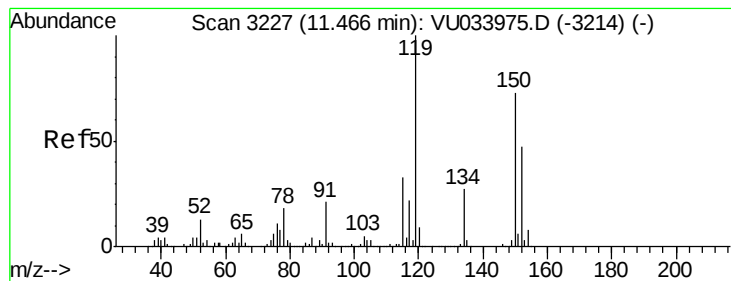
Tgt Ion: 95 Resp: 227312
Ion Ratio Lower Upper
95 100
174 93.0 0.0 183.8
176 89.1 0.0 176.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU033981.D
Acq: 27 Aug 2019 18:41

Tgt Ion: 117 Resp: 520159
Ion Ratio Lower Upper
117 100
82 55.2 43.8 65.8
119 32.6 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.47 min Scan# 3227

Delta R.T. -0.00 min

Lab File: VU033981.D

Acq: 27 Aug 2019 18:41

Instrument :

MSVOA_U

ClientSampleId :

FB-082719

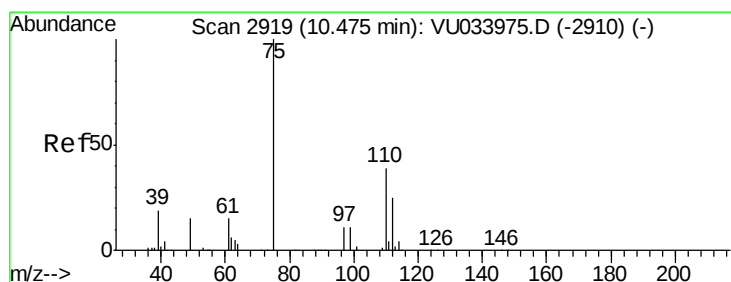
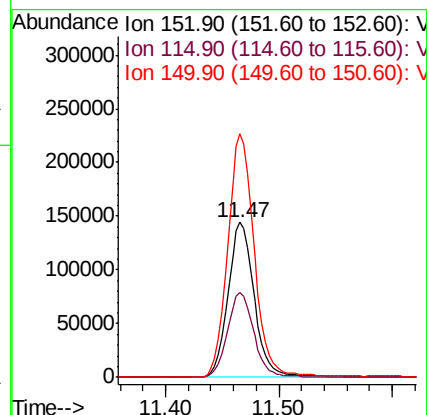
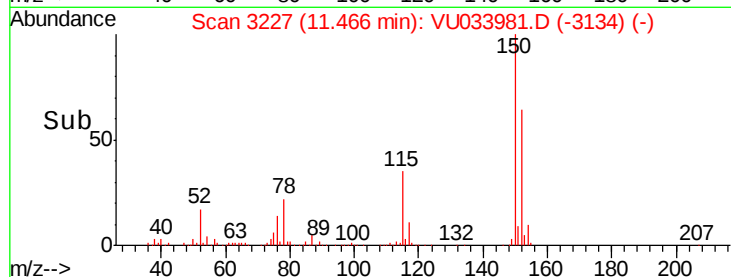
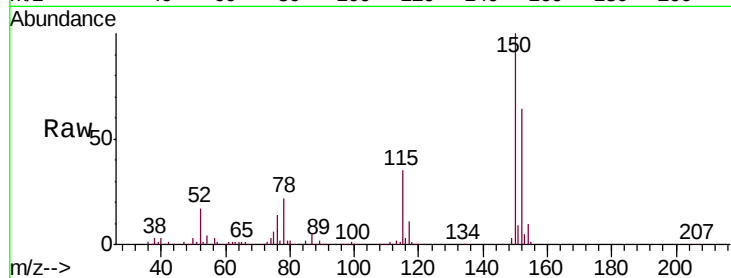
Tgt Ion:152 Resp: 232797

Ion Ratio Lower Upper

152 100

115 55.6 38.6 115.7

150 158.8 0.0 343.8



#76

1,2,3-Trichloropropane

Concen: 22.893 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.19 min

Lab File: VU033981.D

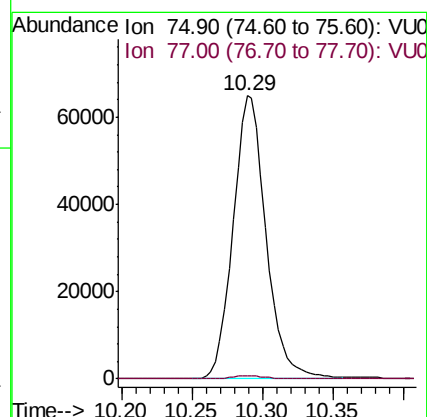
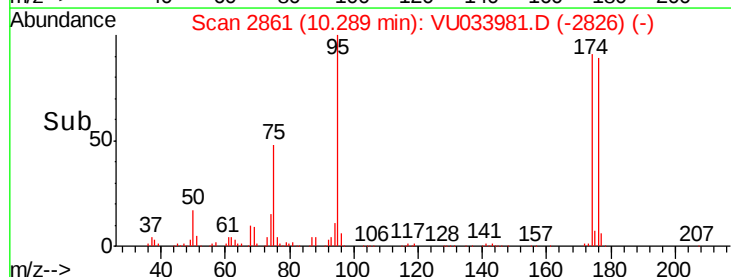
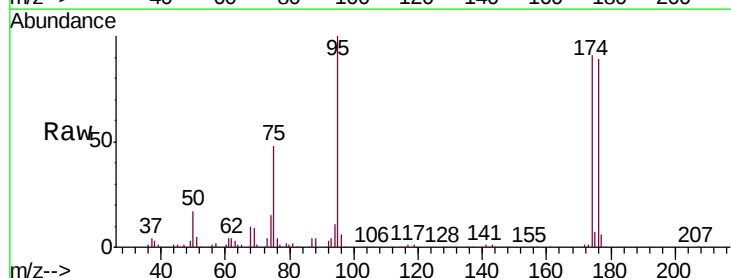
Acq: 27 Aug 2019 18:41

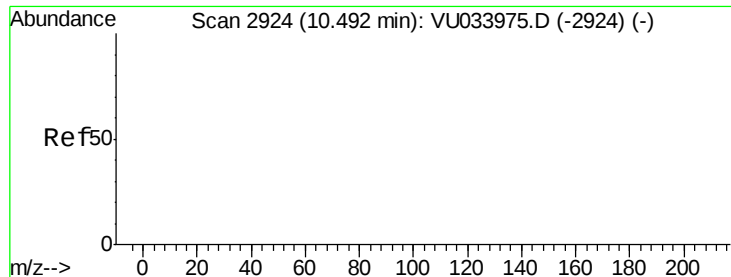
Tgt Ion: 75 Resp: 106189

Ion Ratio Lower Upper

75 100

77 1.2 21.0 63.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 65.571 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.20 min

Lab File: VU033981.D

Acq: 27 Aug 2019 18:41

Instrument :

MSVOA_U

ClientSampleId :

FB-082719

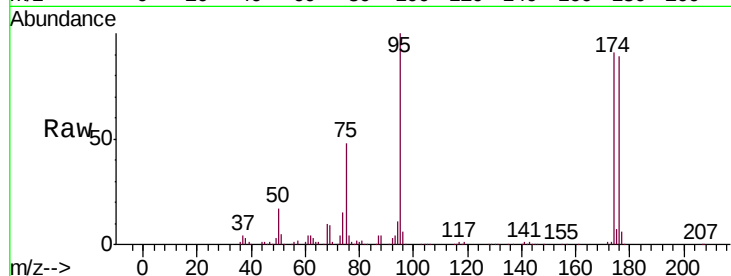
Tgt Ion: 75 Resp: 106189

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

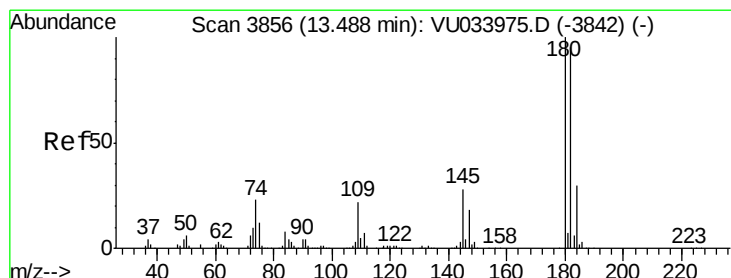
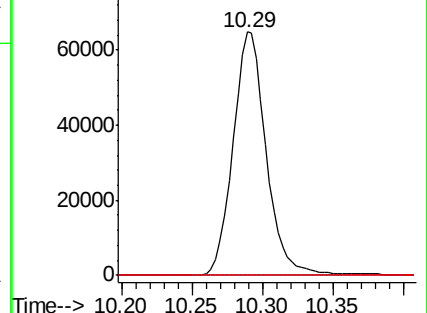
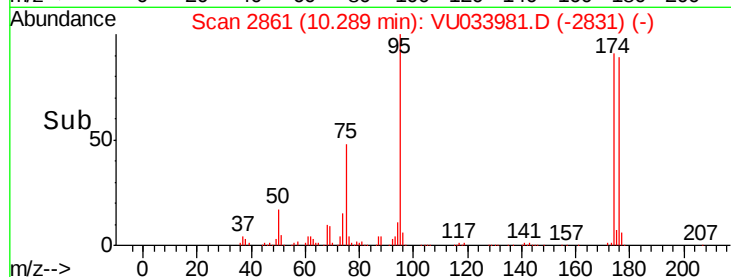
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU033981.D (-2861) (-)

Ion 53.00 (52.70 to 53.70): VU033981.D (-2861) (-)

Ion 88.90 (88.60 to 89.60): VU033981.D (-2861) (-)



#93

1,2,4-Trichlorobenzene

Concen: 1.772 ug/l

RT: 13.55 min Scan# 3876

Delta R.T. 0.06 min

Lab File: VU033981.D

Acq: 27 Aug 2019 18:41

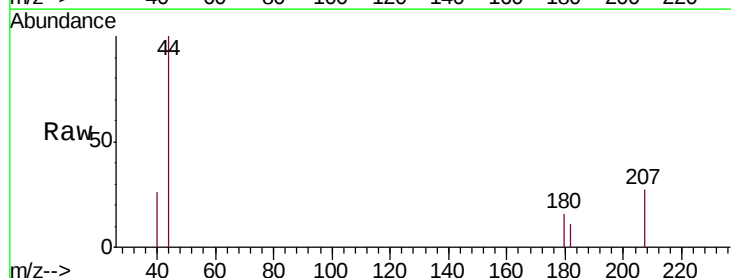
Tgt Ion: 180 Resp: 165

Ion Ratio Lower Upper

180 100

182 115.2 47.4 142.2

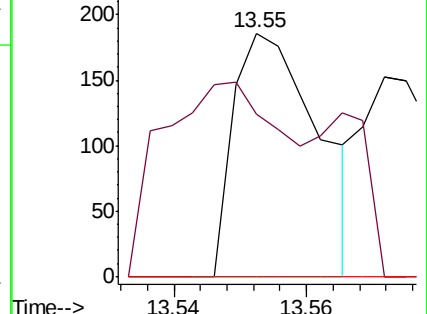
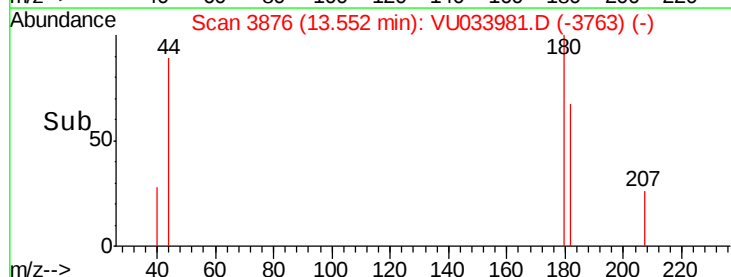
145 0.0 14.4 43.2#

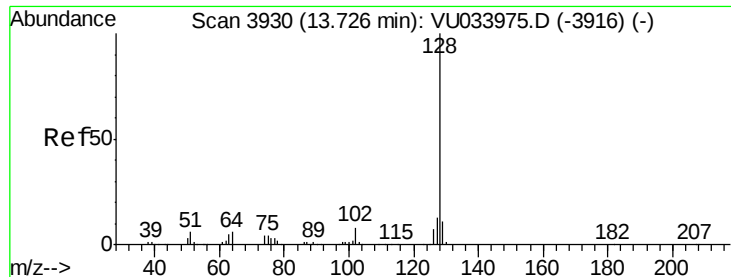


Abundance Ion 179.80 (179.50 to 180.50): VU033981.D (-3876) (-)

Ion 181.80 (181.50 to 182.50): VU033981.D (-3876) (-)

Ion 144.80 (144.50 to 145.50): VU033981.D (-3876) (-)





#95

Naphthalene

Concen: 2.094 ug/l

RT: 13.77 min Scan# 3945

Delta R.T. 0.05 min

Lab File: VU033981.D

Acq: 27 Aug 2019 18:41

Instrument :

MSVOA_U

ClientSampleId :

FB-082719

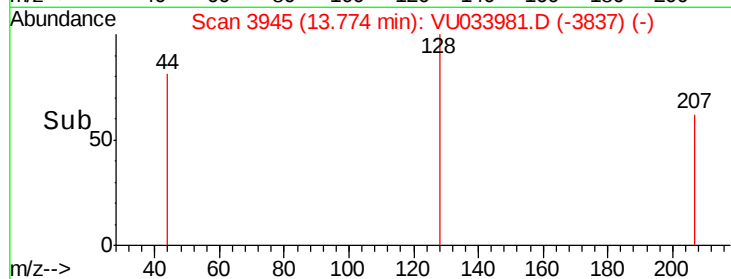
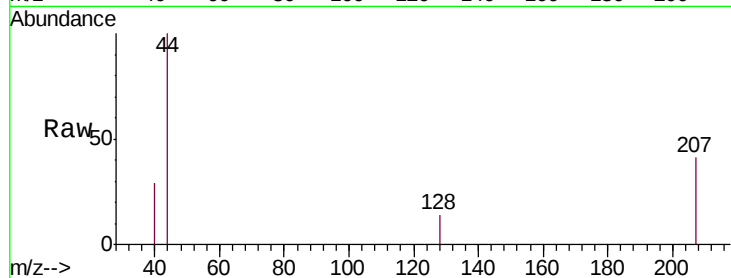
Tgt Ion:128 Resp: 171

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.5 12.7#



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

300

250

200

150

100

50

0

13.76

13.77

13.78

Time-->