

Data File : VU033997.D
Acq On : 28 Aug 2019 02:16
Operator : JC/SP
Sample : VU0828WBL02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBL02

Quant Time: Aug 28 04:11:17 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	447973	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	715134	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	637375	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	295240	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	306838	61.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.30%	
35) Dibromofluoromethane	4.86	113	241036	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
50) Toluene-d8	7.55	98	908788	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
62) 4-Bromofluorobenzene	10.29	95	300388	44.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.34%	

Target Compounds

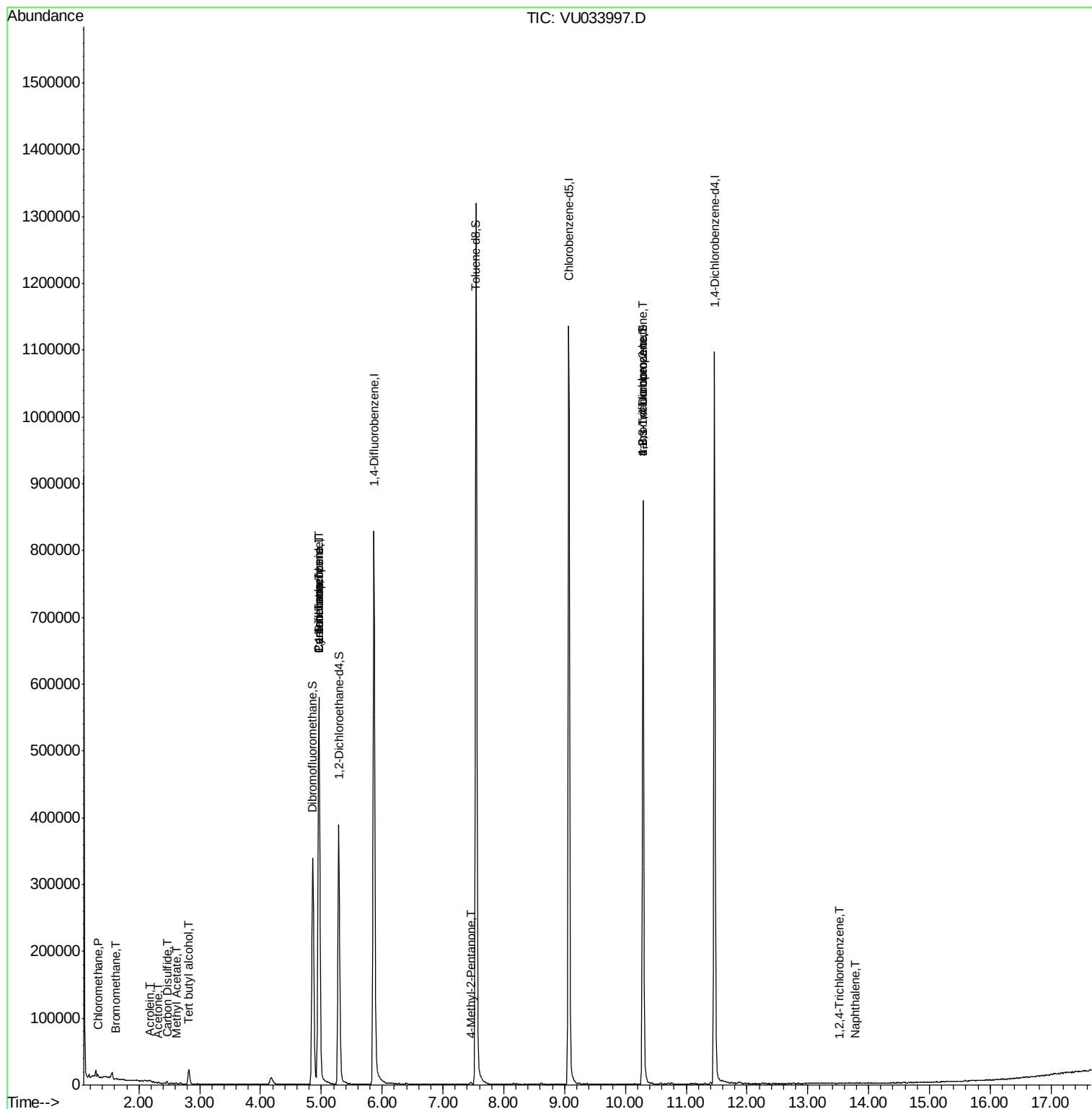
						Qvalue
3) Chloromethane	1.32	50	3196	1.555	ug/l	96
5) Bromomethane	1.62	94	1743	0.638	ug/l	95
11) Tert butyl alcohol	2.82	59	13613	10.560	ug/l #	87
13) Acrolein	2.18	56	260	0.635	ug/l	97
16) Acetone	2.32	43	1544	0.648	ug/l #	85
17) Carbon Disulfide	2.47	76	3260	0.252	ug/l #	93
18) Methyl Acetate	2.61	43	1592	0.271	ug/l	90
31) Cyclohexane	4.96	56	9475	1.291	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	35596	5.435	ug/l #	48
38) Carbon Tetrachloride	4.96	117	43213	6.474	ug/l #	15
51) 4-Methyl-2-Pentanone	7.46	43	1895	0.273	ug/l #	74
76) 1,2,3-Trichloropropane	10.29	75	148345	25.217	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.29	75	148345	72.228	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.52	180	89	1.754	ug/l #	81
95) Naphthalene	13.78	128	1082	2.140	ug/l #	70

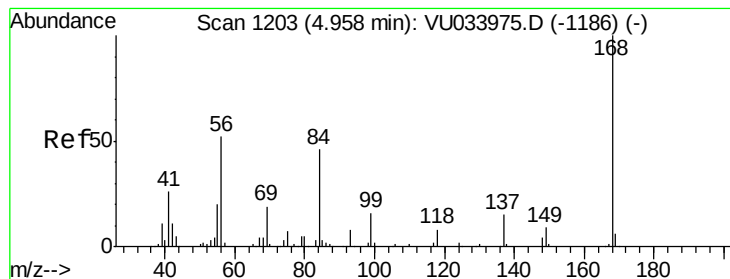
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU033997.D

Acq: 28 Aug 2019 02:16

Instrument :

MSVOA_U

ClientSampleId :

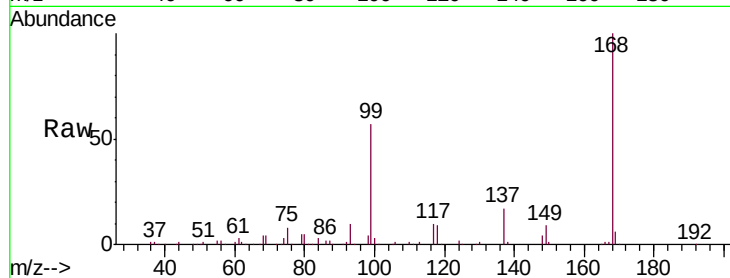
VU0828WBL02

Tgt Ion:168 Resp: 447973

Ion Ratio Lower Upper

168 100

99 56.9 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): VU033997.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU033997.D (-1186) (-)

4.96

200000

150000

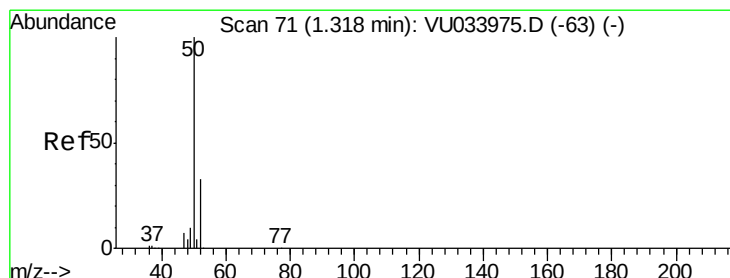
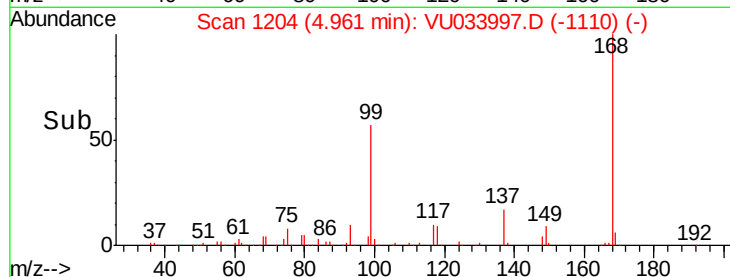
100000

50000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: 1.555 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.01 min

Lab File: VU033997.D

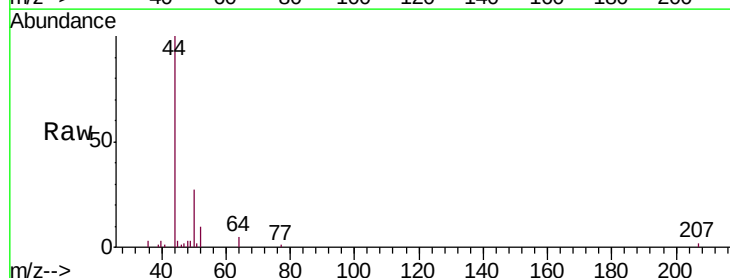
Acq: 28 Aug 2019 02:16

Tgt Ion: 50 Resp: 3196

Ion Ratio Lower Upper

50 100

52 35.1 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VU033997.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU033997.D (-1) (-)

1.32

3000

2500

2000

1500

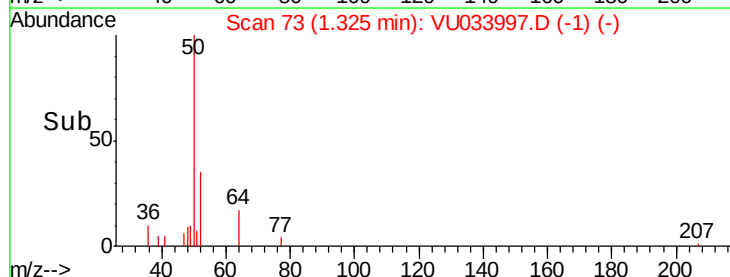
1000

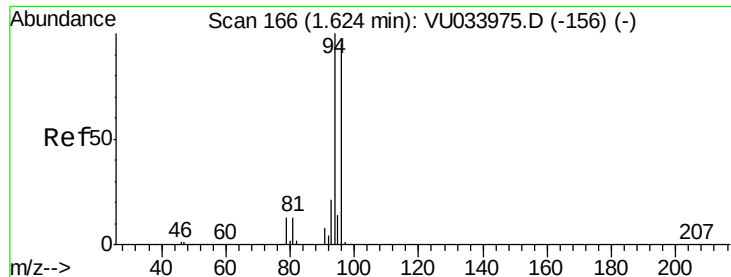
500

0

1.28 1.30 1.32 1.34 1.36

Time-->





#5

Bromomethane

Concen: 0.638 ug/l

RT: 1.62 min Scan# 164

Delta R.T. -0.01 min

Lab File: VU033997.D

Acq: 28 Aug 2019 02:16

Instrument :

MSVOA_U

ClientSampleId :

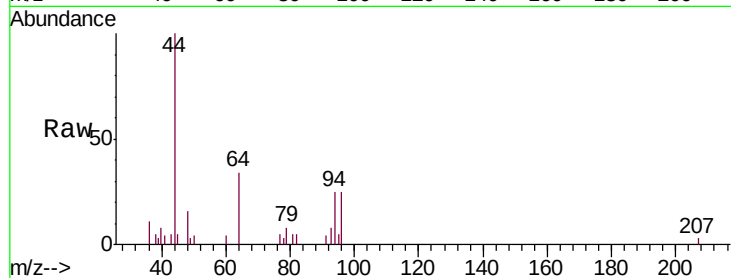
VU0828WBL02

Tgt Ion: 94 Resp: 1743

Ion Ratio Lower Upper

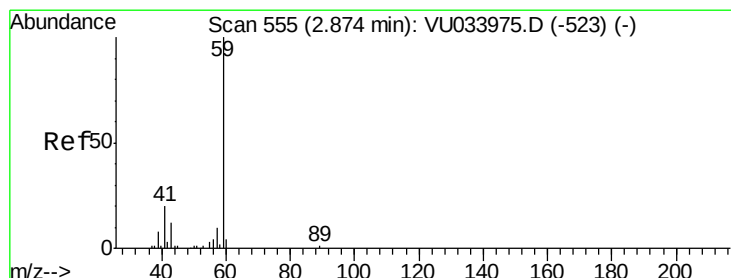
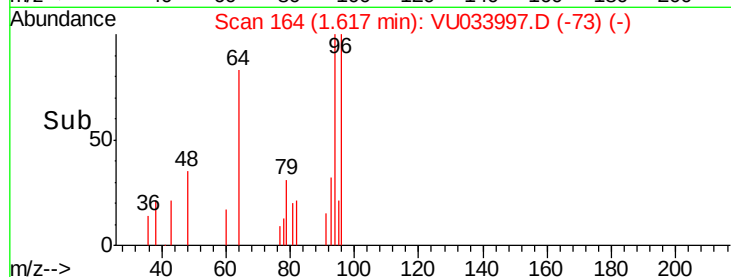
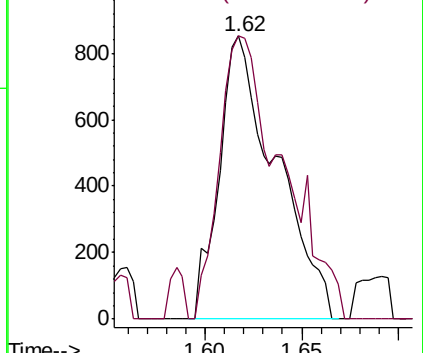
94 100

96 99.9 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: 10.560 ug/l

RT: 2.82 min Scan# 538

Delta R.T. -0.05 min

Lab File: VU033997.D

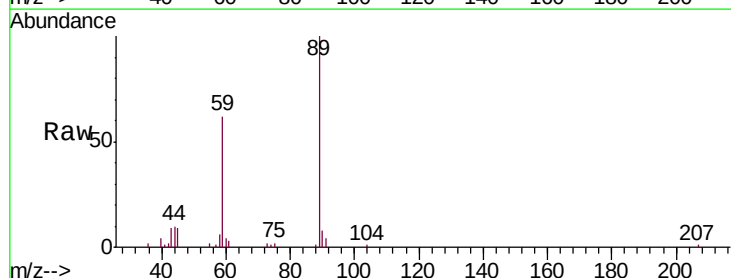
Acq: 28 Aug 2019 02:16

Tgt Ion: 59 Resp: 13613

Ion Ratio Lower Upper

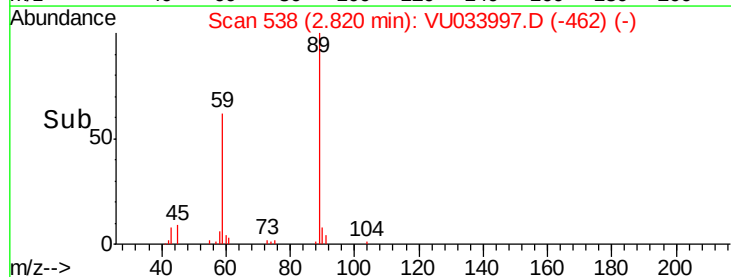
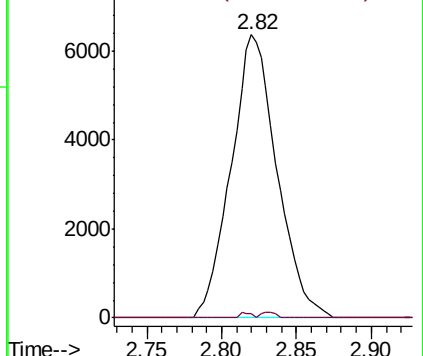
59 100

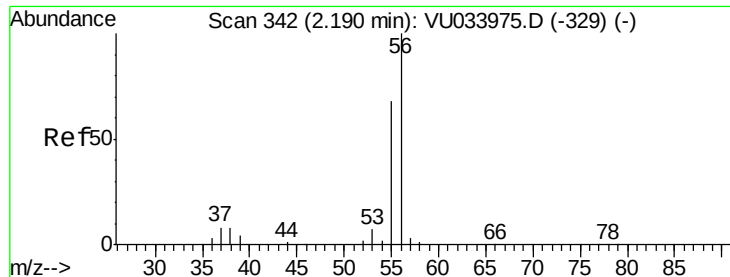
57 0.5 3.9 5.9#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#13

Acrolein

Concen: 0.635 ug/l

RT: 2.18 min Scan# 340

Delta R.T. -0.01 min

Lab File: VU033997.D

Acq: 28 Aug 2019 02:16

Instrument :

MSVOA_U

ClientSampleId :

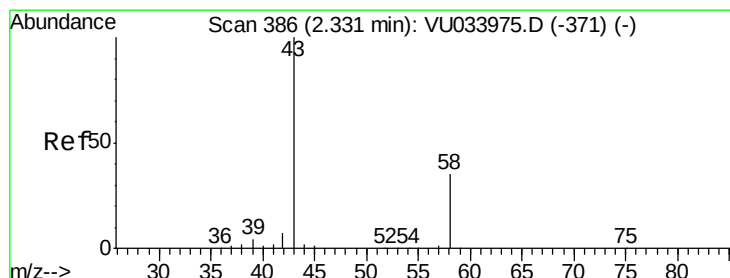
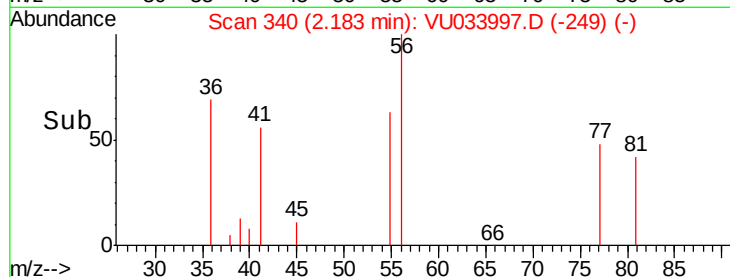
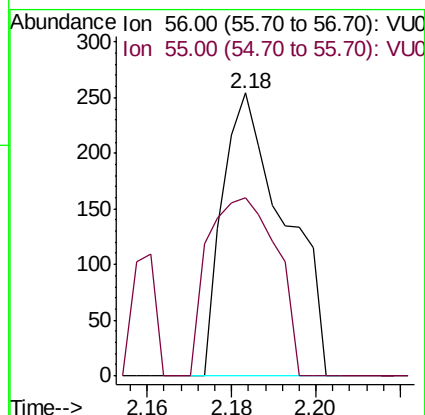
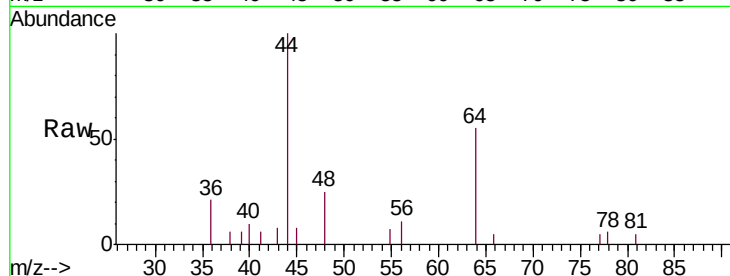
VU0828WBL02

Tgt Ion: 56 Resp: 260

Ion Ratio Lower Upper

56 100

55 70.0 58.0 87.0



#16

Acetone

Concen: 0.648 ug/l

RT: 2.32 min Scan# 381

Delta R.T. -0.02 min

Lab File: VU033997.D

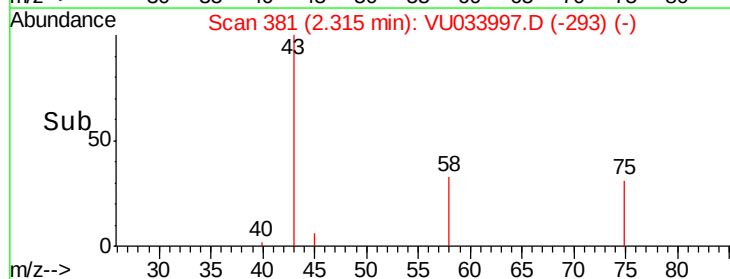
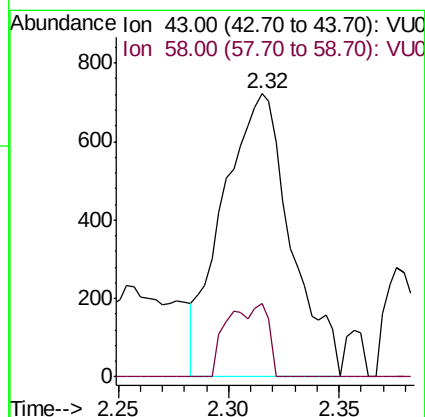
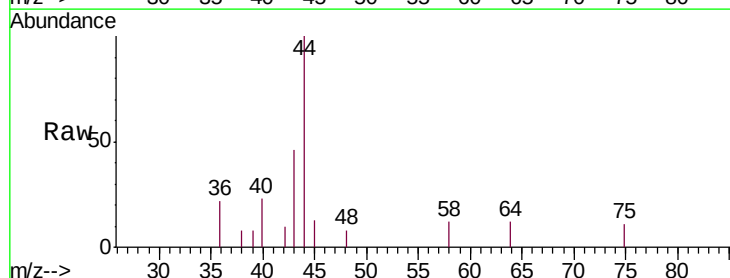
Acq: 28 Aug 2019 02:16

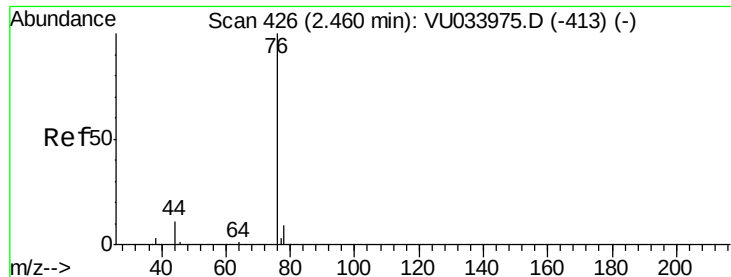
Tgt Ion: 43 Resp: 1544

Ion Ratio Lower Upper

43 100

58 26.0 28.0 42.0#





#17

Carbon Disulfide

Concen: 0.252 ug/l

RT: 2.47 min Scan# 428

Delta R.T. 0.01 min

Lab File: VU033997.D

Acq: 28 Aug 2019 02:16

Instrument :

MSVOA_U

ClientSampleId :

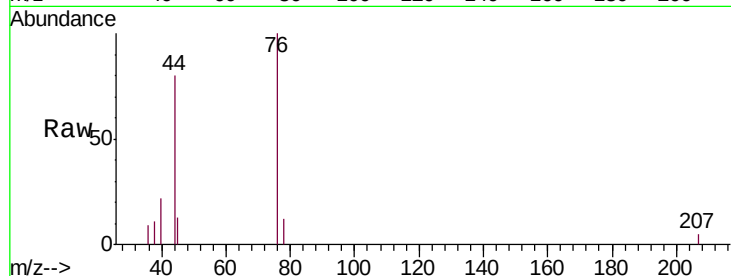
VU0828WBL02

Tgt Ion: 76 Resp: 3260

Ion Ratio Lower Upper

76 100

78 11.8 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VU033997.D (-413) (-)

Ion 77.90 (77.60 to 78.60): VU033997.D (-413) (-)

2.47

2000

1500

1000

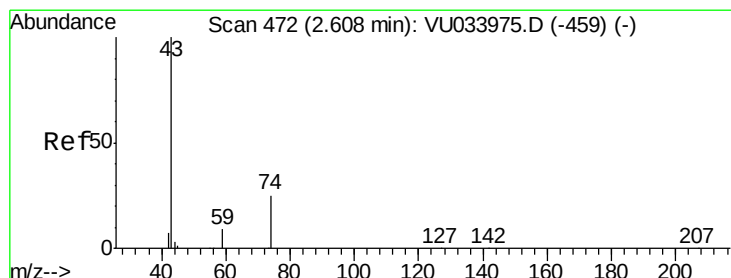
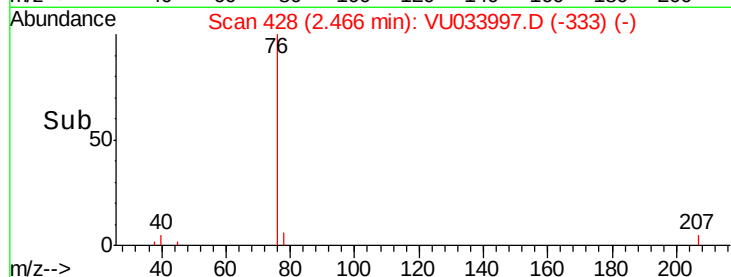
500

0

2.45

2.50

Time-->



#18

Methyl Acetate

Concen: 0.271 ug/l

RT: 2.61 min Scan# 474

Delta R.T. 0.01 min

Lab File: VU033997.D

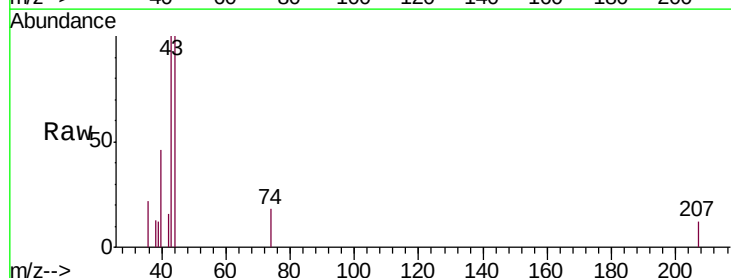
Acq: 28 Aug 2019 02:16

Tgt Ion: 43 Resp: 1592

Ion Ratio Lower Upper

43 100

74 20.6 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VU033997.D (-459) (-)

Ion 74.00 (73.70 to 74.70): VU033997.D (-459) (-)

2.61

1000

800

600

400

200

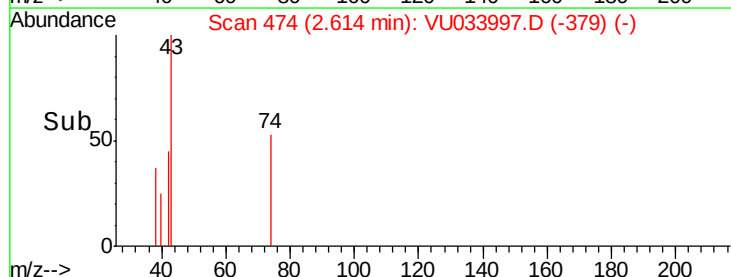
0

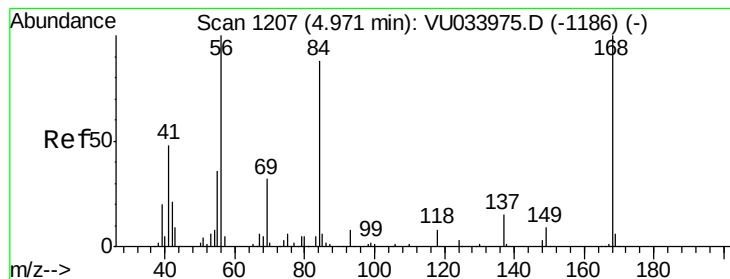
2.55

2.60

2.65

Time-->





#31

Cyclohexane

Concen: 1.291 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VU033997.D

Acq: 28 Aug 2019 02:16

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBL02

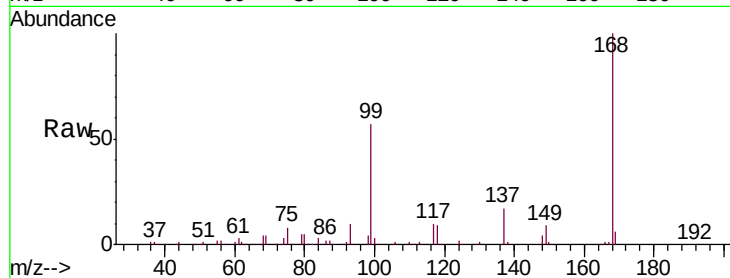
Tgt Ion: 56 Resp: 9475

Ion Ratio Lower Upper

56 100

69 189.3 25.9 38.9#

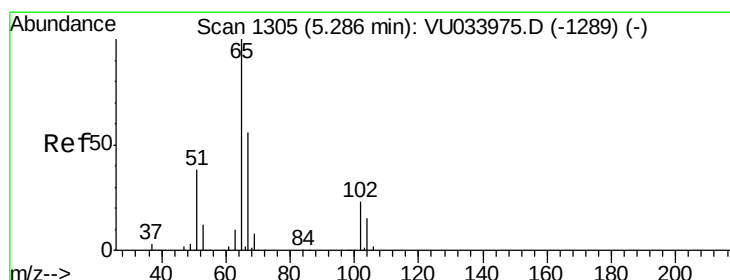
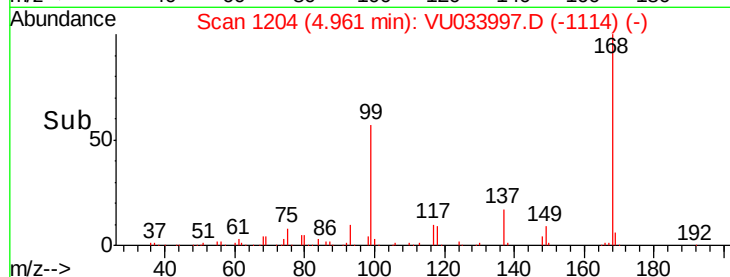
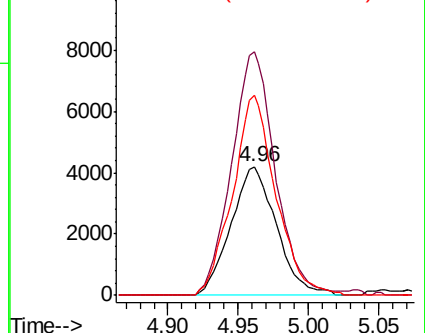
84 156.0 70.4 105.6#



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: 61.654 ug/l

RT: 5.29 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU033997.D

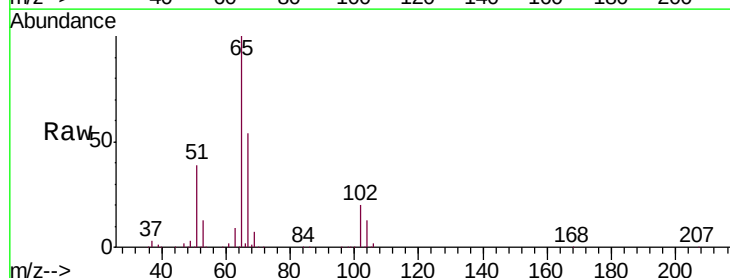
Acq: 28 Aug 2019 02:16

Tgt Ion: 65 Resp: 306838

Ion Ratio Lower Upper

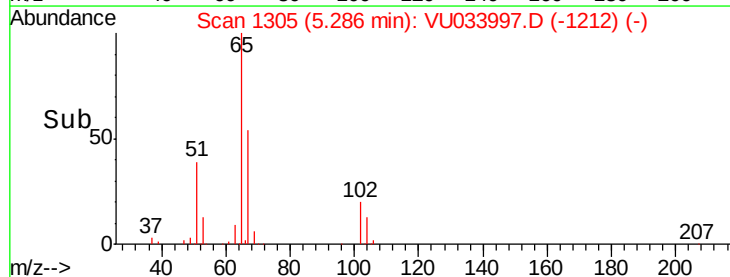
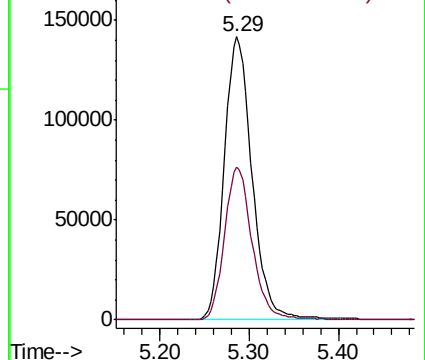
65 100

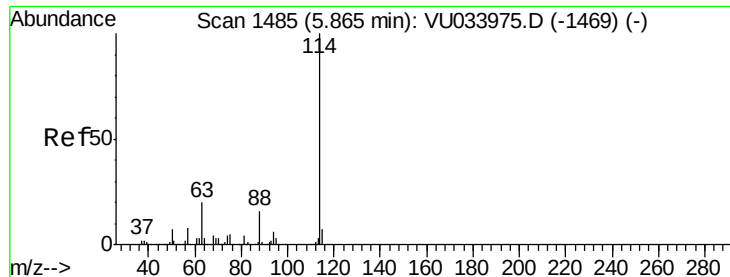
67 53.5 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

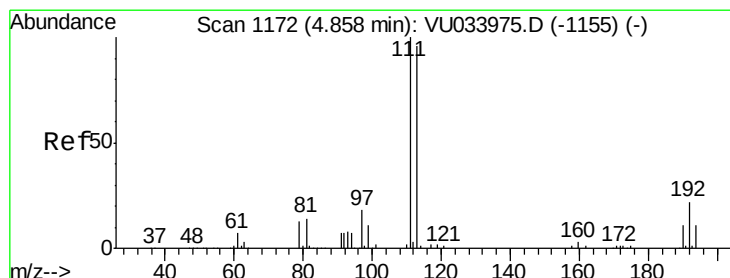
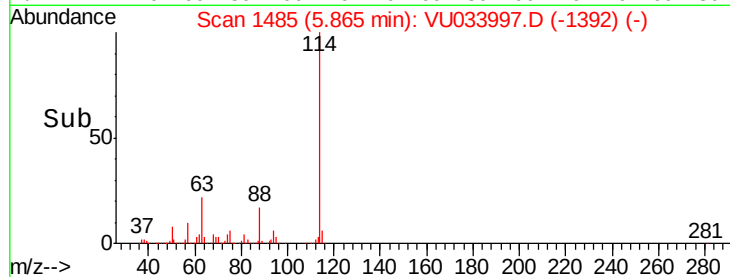
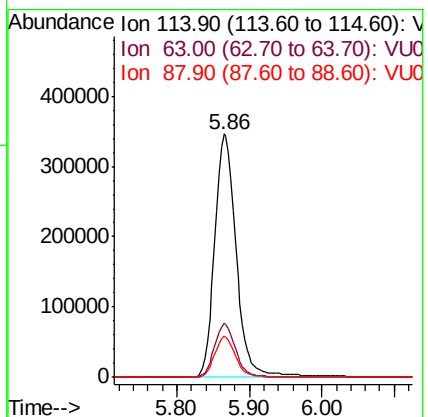
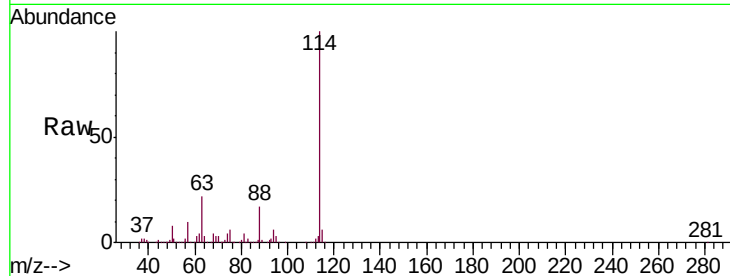




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU033997.D
 Acq: 28 Aug 2019 02:16

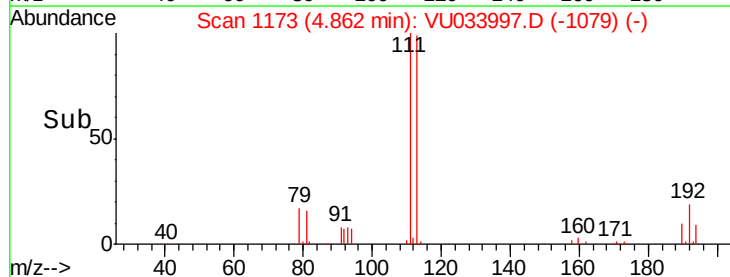
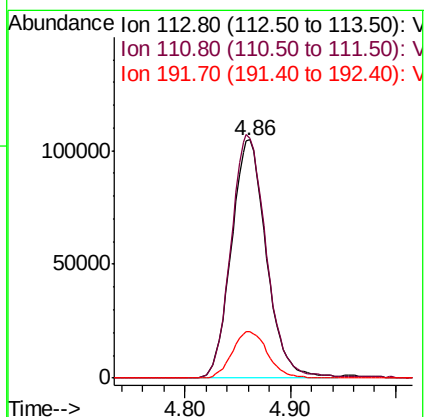
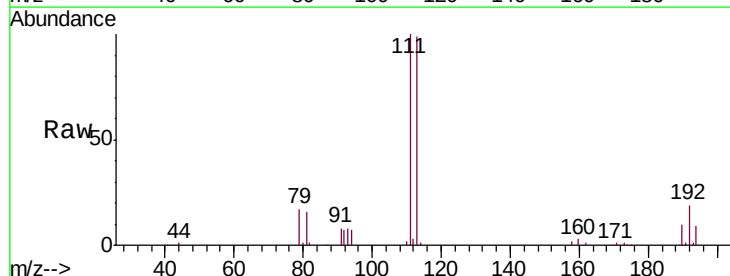
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBL02

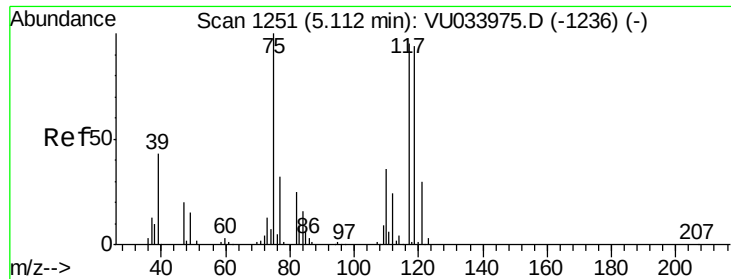
Tgt Ion:	114	Resp:	715134
Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	39.0
88	16.8	0.0	31.2



#35
 Dibromofluoromethane
 Concen: 50.142 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU033997.D
 Acq: 28 Aug 2019 02:16

Tgt Ion:	113	Resp:	241036
Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.7	122.5
192	19.9	18.6	27.8

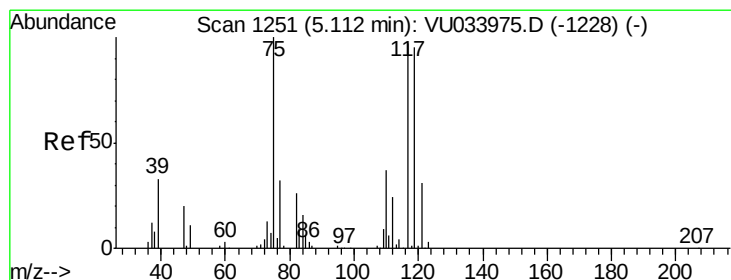
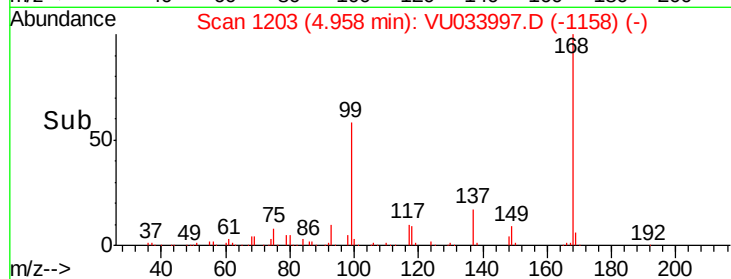
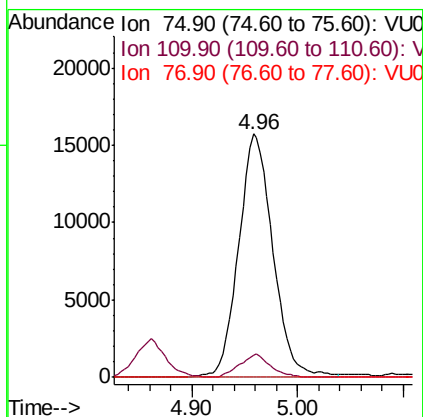
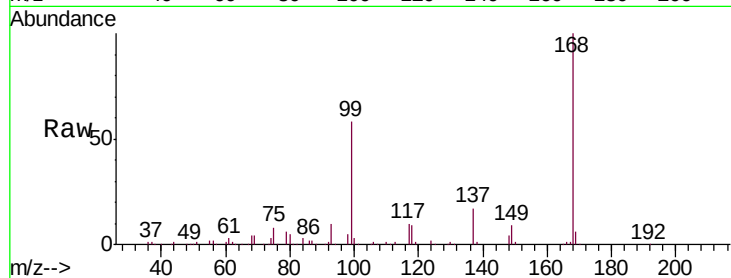




#36
 1,1-Dichloropropene
 Concen: 5.435 ug/l
 RT: 4.96 min Scan# 1203
 Delta R.T. -0.15 min
 Lab File: VU033997.D
 Acq: 28 Aug 2019 02:16

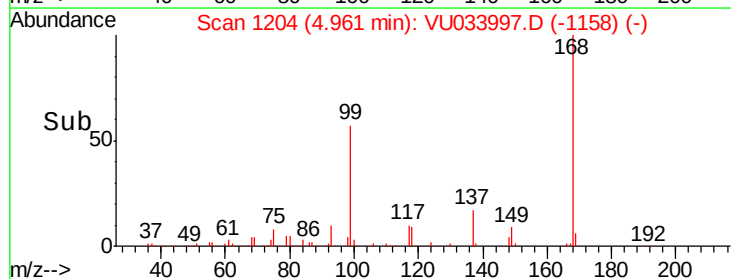
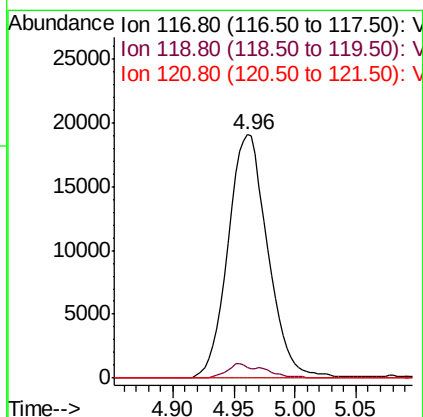
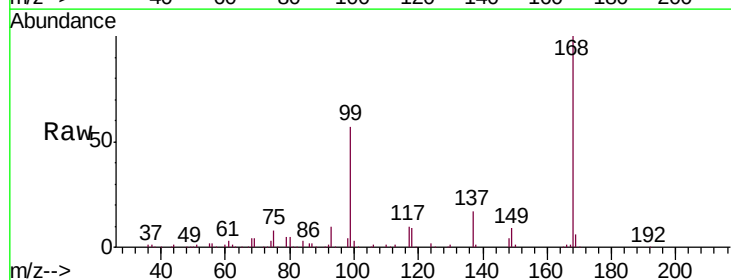
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBL02

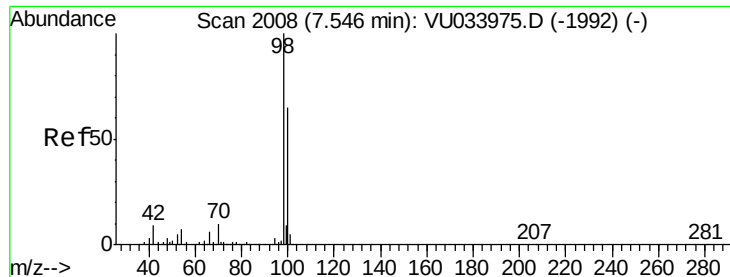
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	18.2	54.6#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.474 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU033997.D
 Acq: 28 Aug 2019 02:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	78.4	117.6#
121	0.0	25.4	38.2#

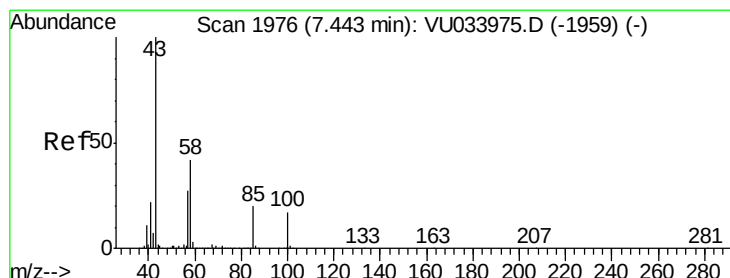
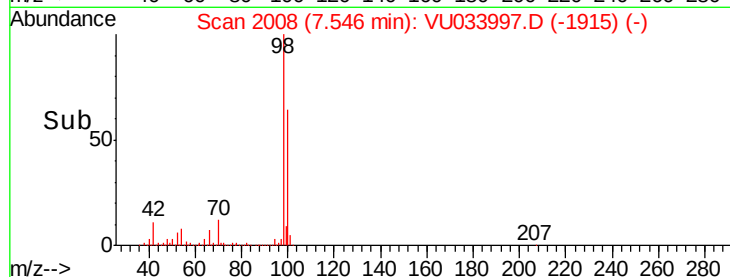
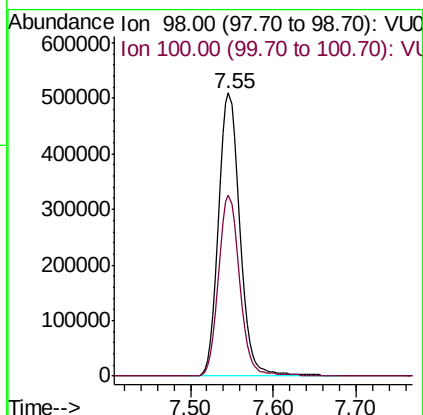
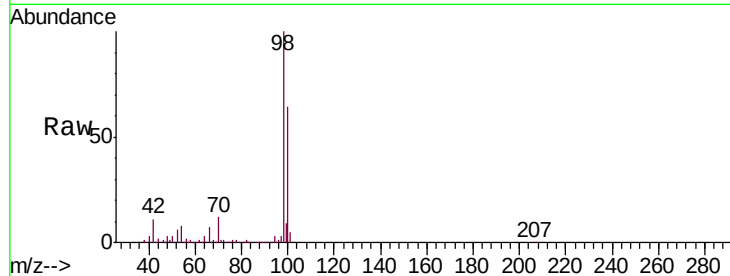




#50
Toluene-d8
Concen: 51.255 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU033997.D
Acq: 28 Aug 2019 02:16

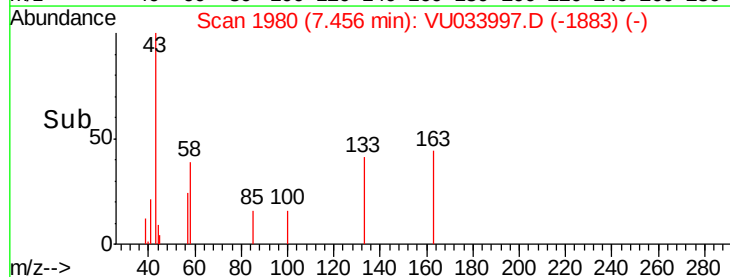
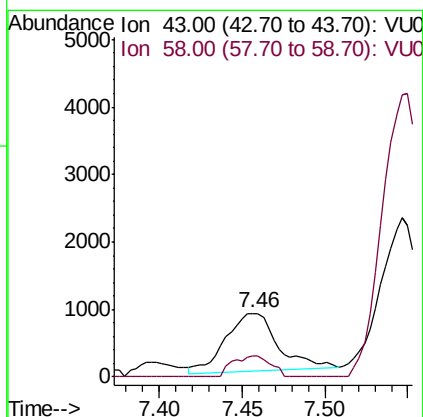
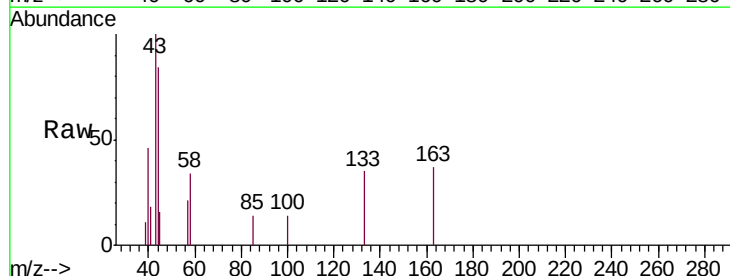
Instrument :
MSVOA_U
ClientSampleId :
VU0828WBL02

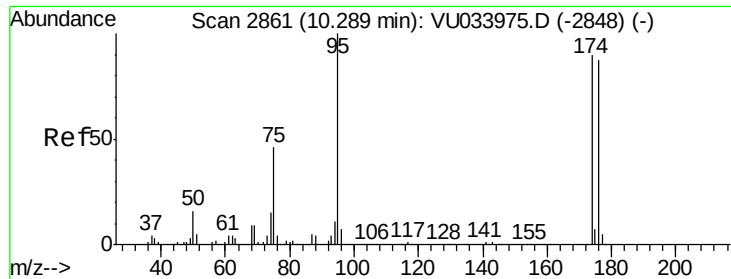
Tgt Ion: 98 Resp: 908788
Ion Ratio Lower Upper
98 100
100 63.5 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.273 ug/l
RT: 7.46 min Scan# 1980
Delta R.T. 0.01 min
Lab File: VU033997.D
Acq: 28 Aug 2019 02:16

Tgt Ion: 43 Resp: 1895
Ion Ratio Lower Upper
43 100
58 25.9 33.6 50.4#





#62

4-Bromofluorobenzene

Concen: 44.165 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU033997.D

Acq: 28 Aug 2019 02:16

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBL02

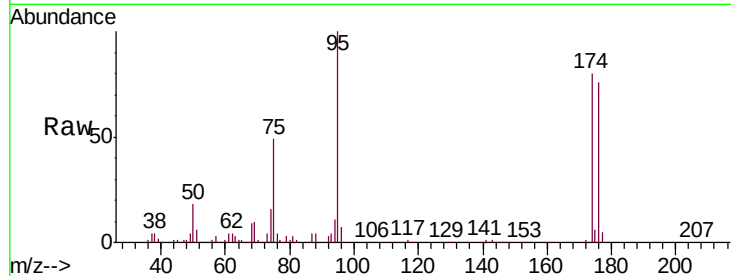
Tgt Ion: 95 Resp: 300388

Ion Ratio Lower Upper

95 100

174 81.9 0.0 183.8

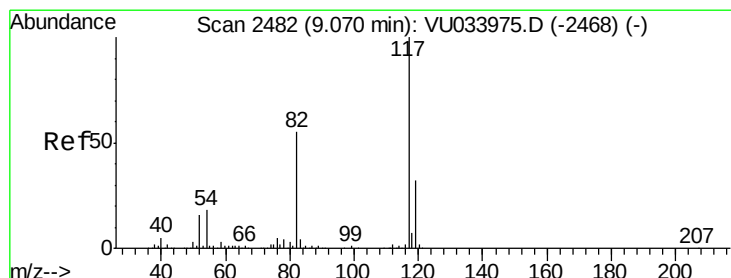
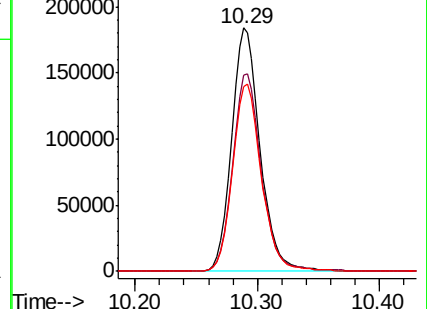
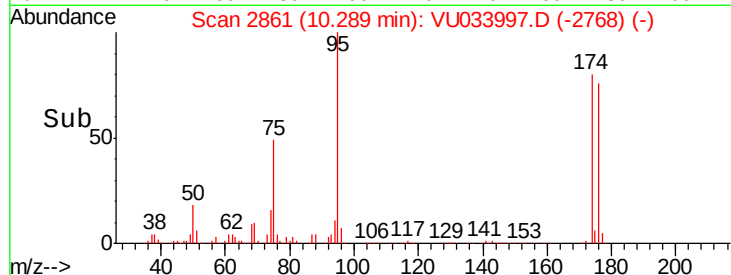
176 78.4 0.0 176.4



Abundance Ion 94.90 (94.60 to 95.60): VU033997.D (-2768) (-)

Ion 173.80 (173.50 to 174.50): VU033997.D (-2768) (-)

Ion 175.80 (175.50 to 176.50): VU033997.D (-2768) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.07 min Scan# 2482

Delta R.T. 0.00 min

Lab File: VU033997.D

Acq: 28 Aug 2019 02:16

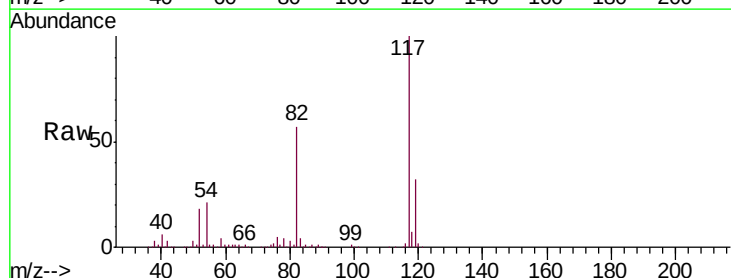
Tgt Ion: 117 Resp: 637375

Ion Ratio Lower Upper

117 100

82 57.4 43.8 65.8

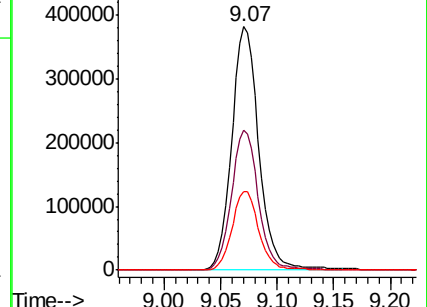
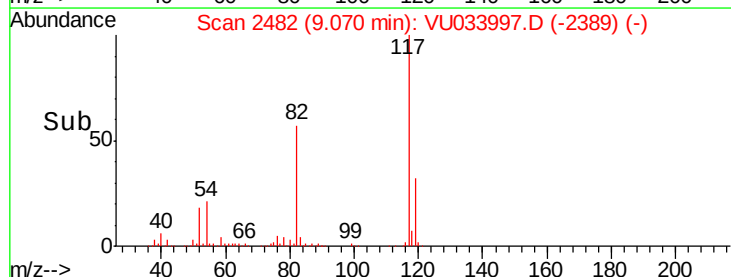
119 32.5 25.7 38.5

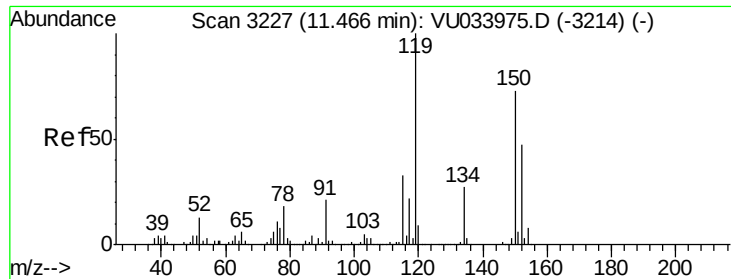


Abundance Ion 116.90 (116.60 to 117.60): VU033997.D (-2389) (-)

Ion 82.00 (81.70 to 82.70): VU033997.D (-2389) (-)

Ion 118.90 (118.60 to 119.60): VU033997.D (-2389) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.47 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VU033997.D

Acq: 28 Aug 2019 02:16

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBL02

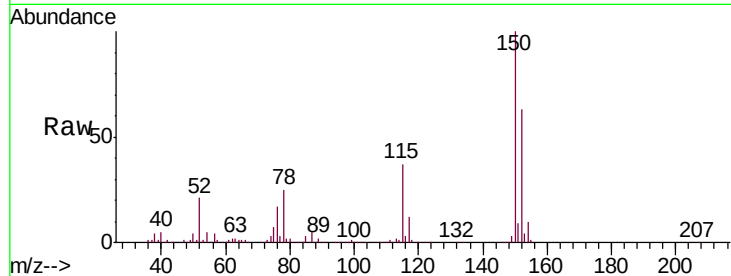
Tgt Ion:152 Resp: 295240

Ion Ratio Lower Upper

152 100

115 58.0 38.6 115.7

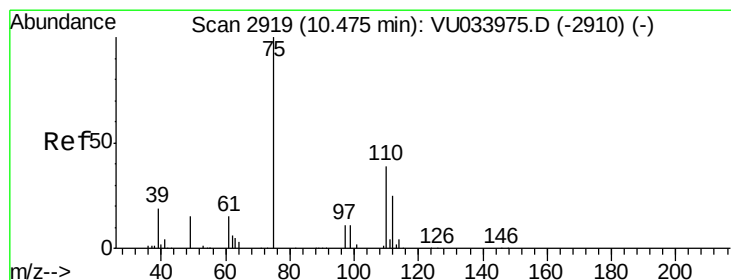
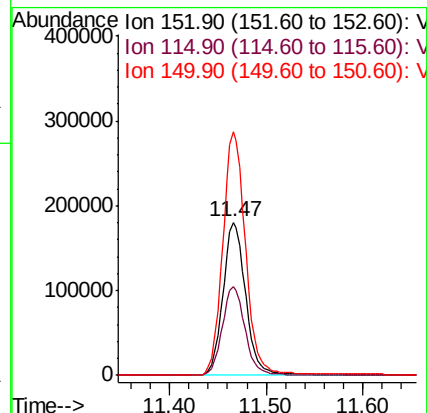
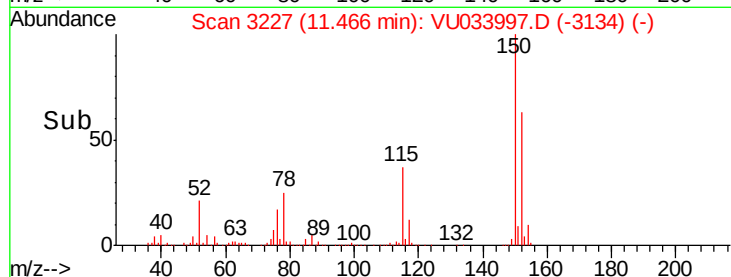
150 158.8 0.0 343.8



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: 25.217 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.19 min

Lab File: VU033997.D

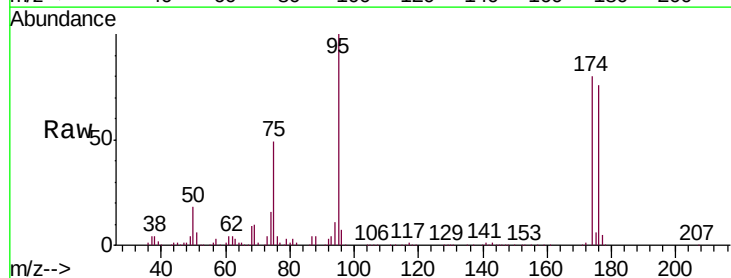
Acq: 28 Aug 2019 02:16

Tgt Ion: 75 Resp: 148345

Ion Ratio Lower Upper

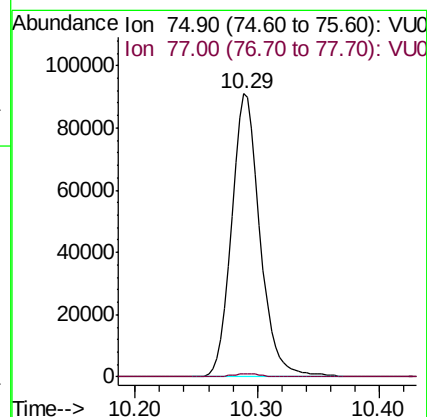
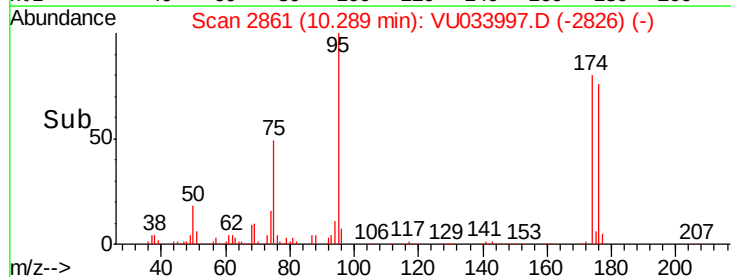
75 100

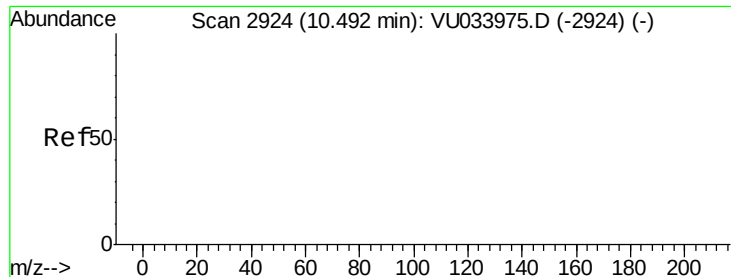
77 1.2 21.0 63.0#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

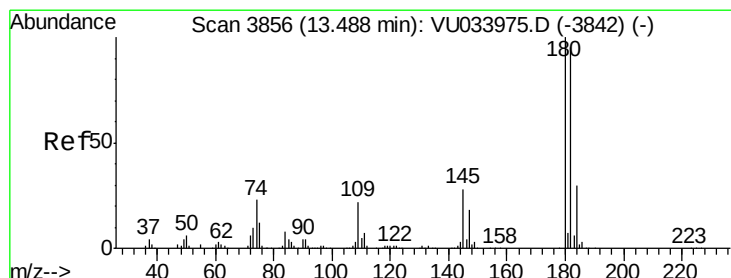
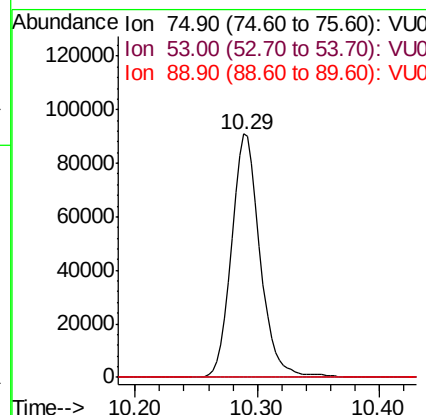
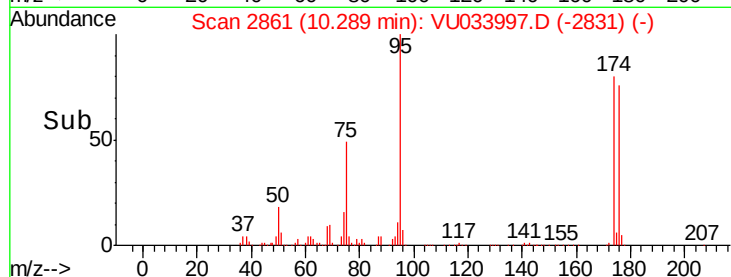
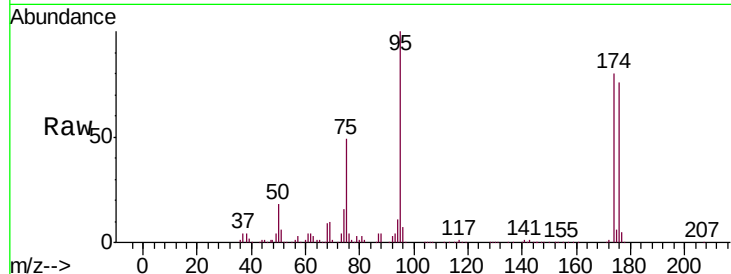




#81
trans-1,4-Dichloro-2-butene
Concen: 72.228 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. -0.20 min
Lab File: VU033997.D
Acq: 28 Aug 2019 02:16

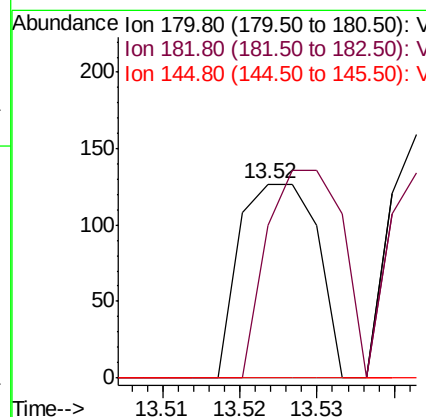
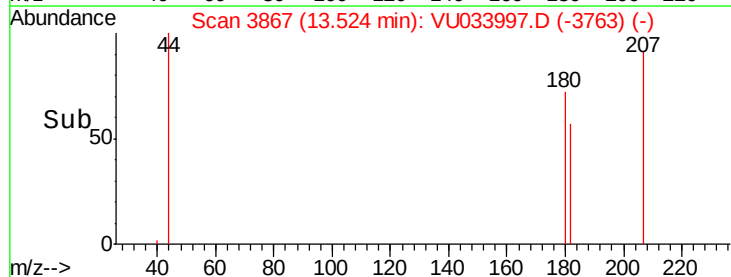
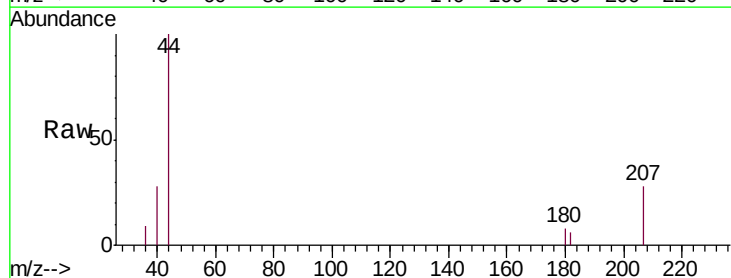
Instrument :
MSVOA_U
ClientSampleId :
VU0828WBL02

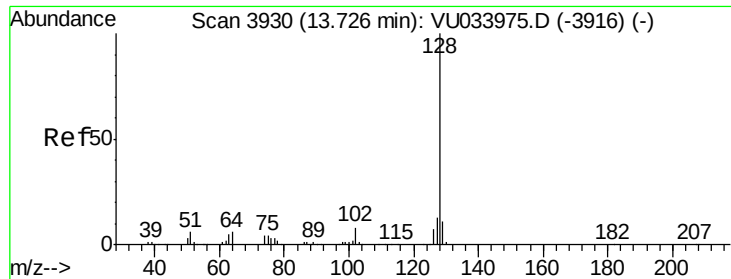
Tgt Ion: 75 Resp: 148345
Ion Ratio Lower Upper
75 100
53 0.2 0.0 0.0#
89 0.0 0.0 0.0



#93
1,2,4-Trichlorobenzene
Concen: 1.754 ug/l
RT: 13.52 min Scan# 3867
Delta R.T. 0.04 min
Lab File: VU033997.D
Acq: 28 Aug 2019 02:16

Tgt Ion: 180 Resp: 89
Ion Ratio Lower Upper
180 100
182 103.4 47.4 142.2
145 0.0 14.4 43.2#





#95

Naphthalene

Concen: 2.140 ug/l

RT: 13.78 min Scan# 3947

Delta R.T. 0.05 min

Lab File: VU033997.D

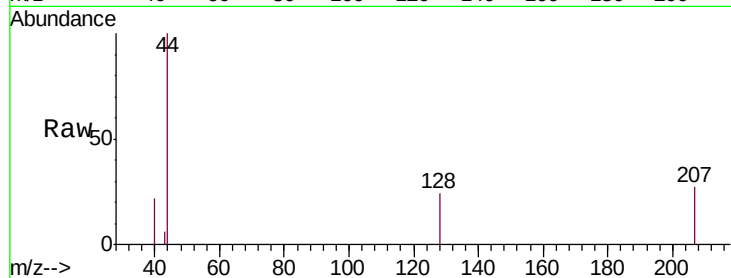
Acq: 28 Aug 2019 02:16

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBL02



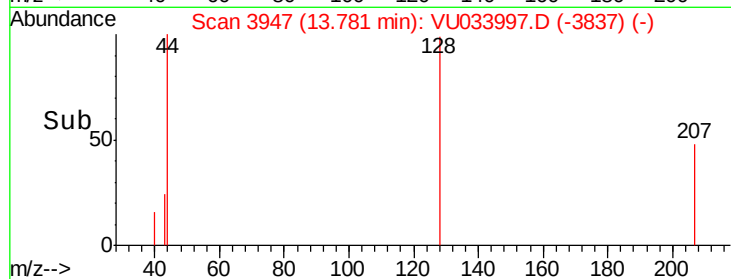
Tgt Ion:128 Resp: 1082

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

600

500

400

300

200

100

0

Time-->