

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091019\
 Data File : VU034463.D
 Acq On : 10 Sep 2019 19:49
 Operator : JC/SP
 Sample : K4601-36
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 T12-F2-(2.7)

Quant Time: Sep 11 05:58:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 05:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	229304	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	355670	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	387204	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	212518	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	217635	62.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.46%	
35) Dibromofluoromethane	4.86	113	189324	57.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.42%	
50) Toluene-d8	7.55	98	700185	56.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.62%	
62) 4-Bromofluorobenzene	10.29	95	236584	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	

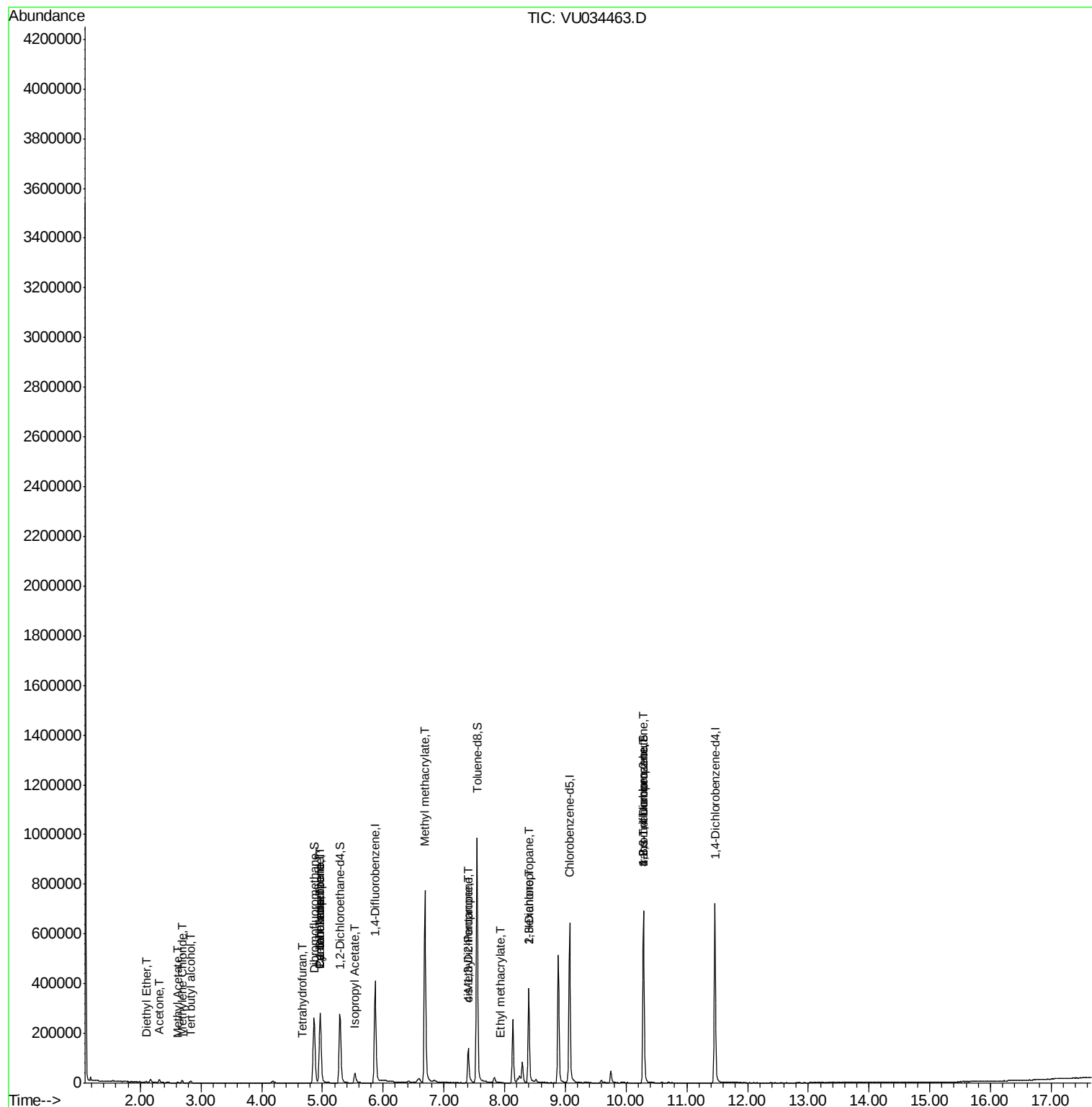
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.61	94	43	Below Cal	#	2
6) Chloroethane	1.70	64	270	Below Cal	#	43
8) Diethyl Ether	2.10	74	407	0.231	ug/l #	14
11) Tert butyl alcohol	2.83	59	5204	7.100	ug/l #	73
16) Acetone	2.32	43	14364	8.000	ug/l	92
18) Methyl Acetate	2.62	43	3137	0.718	ug/l #	79
20) Methylene Chloride	2.69	84	4740	1.222	ug/l	97
29) Tetrahydrofuran	4.66	42	303	0.208	ug/l #	32
31) Cyclohexane	4.96	56	4028	0.991	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	15614	4.048	ug/l #	44
38) Carbon Tetrachloride	4.96	117	20718	5.030	ug/l #	16
43) Isopropyl Acetate	5.53	43	48087	6.759	ug/l	100
48) Methyl methacrylate	6.69	41	70408	20.837	ug/l #	37
51) 4-Methyl-2-Pentanone	7.40	43	53163	10.795	ug/l #	45
54) cis-1,3-Dichloropropene	7.40	75	26541	4.962	ug/l #	67
56) Ethyl methacrylate	7.93	69	114	3.096	ug/l #	28
57) 1,3-Dichloropropane	8.40	76	4107	0.711	ug/l #	43
59) 2-Hexanone	8.40	43	51852	14.094	ug/l #	52
76) 1,2,3-Trichloropropane	10.29	75	111388	24.012	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.29	75	111388	80.750	ug/l #	100

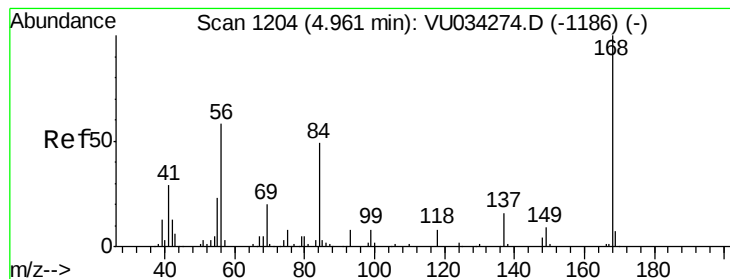
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU091019\
Data File : VU034463.D
Acq On : 10 Sep 2019 19:49
Operator : JC/SP
Sample : K4601-36
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
T12-F2-(2.7)

Quant Time: Sep 11 05:58:40 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 06 05:10:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VU034463.D

Acq: 10 Sep 2019 19:49

Instrument :

MSVOA_U

ClientSampleId :

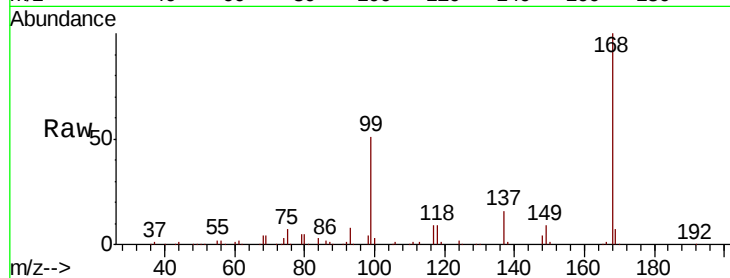
T12-F2-(2.7)

Tgt Ion: 168 Resp: 229304

Ion Ratio Lower Upper

168 100

99 51.0 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): VU034274.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU034274.D (-1186) (-)

4.96

120000

100000

80000

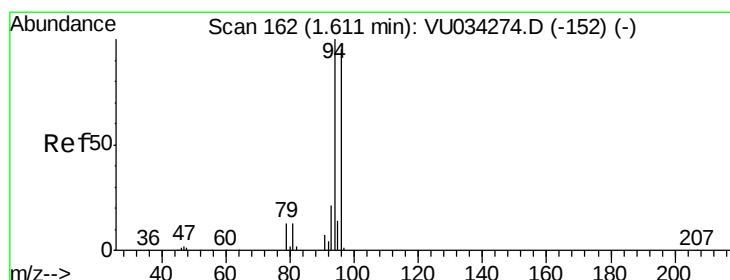
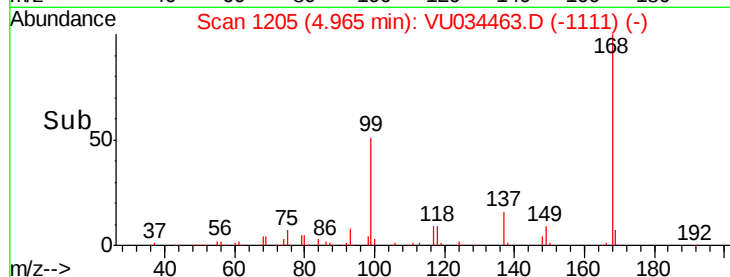
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 161

Delta R.T. -0.00 min

Lab File: VU034463.D

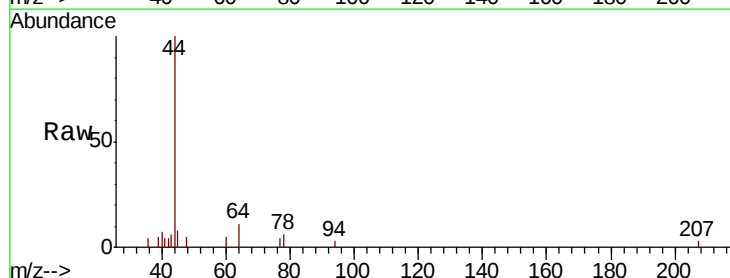
Acq: 10 Sep 2019 19:49

Tgt Ion: 94 Resp: 43

Ion Ratio Lower Upper

94 100

96 0.0 75.7 113.5#



Abundance Ion 93.90 (93.60 to 94.60): VU034274.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VU034274.D (-152) (-)

200

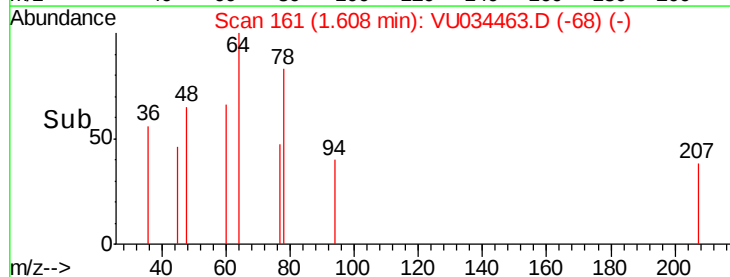
150

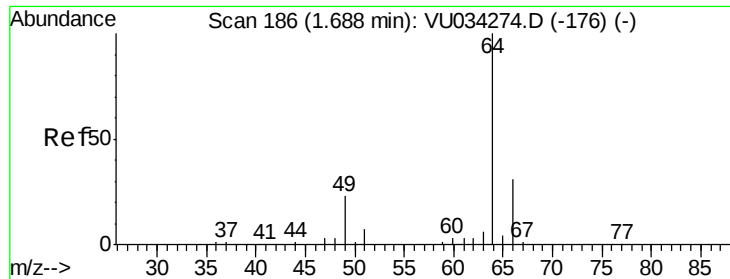
100

50

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 189

Delta R.T. 0.01 min

Lab File: VU034463.D

Acq: 10 Sep 2019 19:49

Instrument :

MSVOA_U

ClientSampleId :

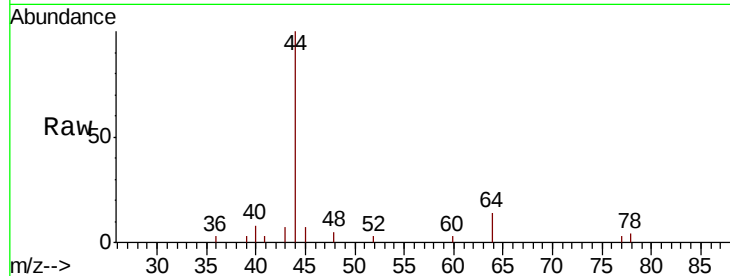
T12-F2-(2.7)

Tgt Ion: 64 Resp: 270

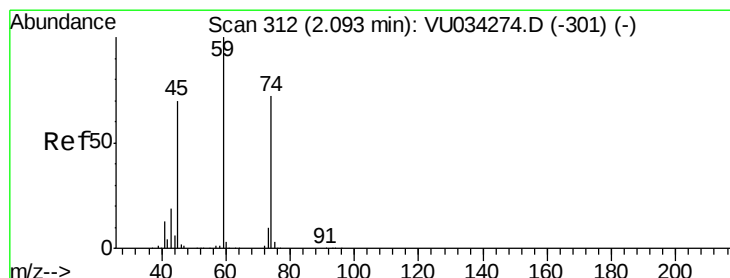
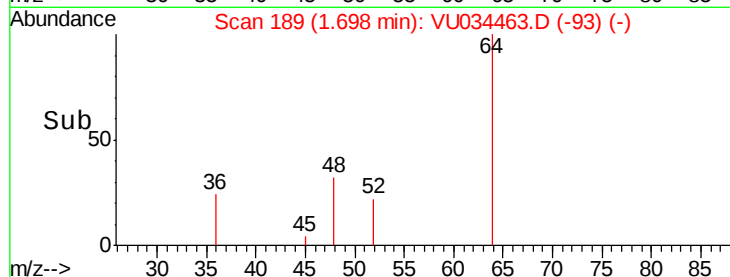
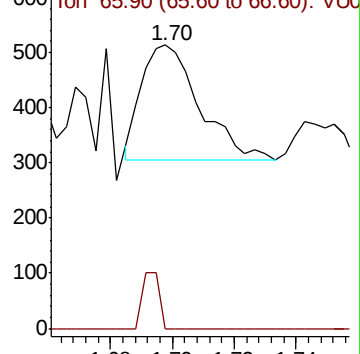
Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#



Abundance Ion 63.90 (63.60 to 64.60): VU034463.D (-93) (-)



#8

Diethyl Ether

Concen: 0.231 ug/l

RT: 2.10 min Scan# 313

Delta R.T. 0.00 min

Lab File: VU034463.D

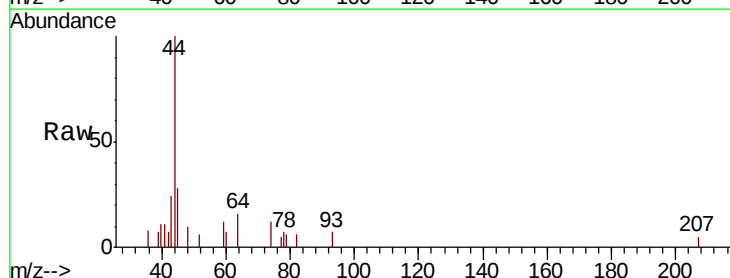
Acq: 10 Sep 2019 19:49

Tgt Ion: 74 Resp: 407

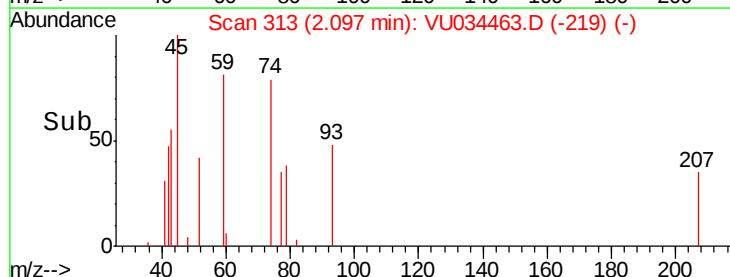
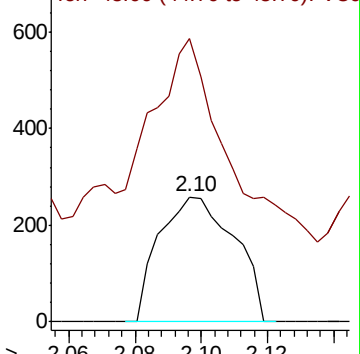
Ion Ratio Lower Upper

74 100

45 180.3 48.2 144.6#



Abundance Ion 74.00 (73.70 to 74.70): VU034463.D (-219) (-)



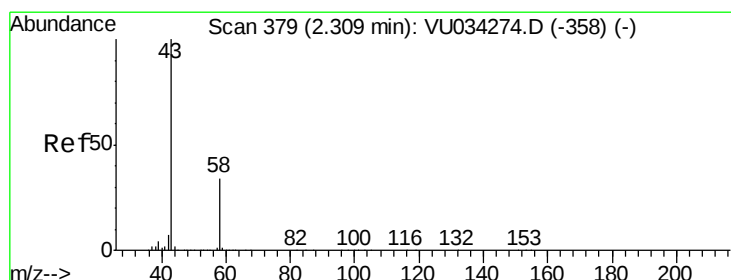
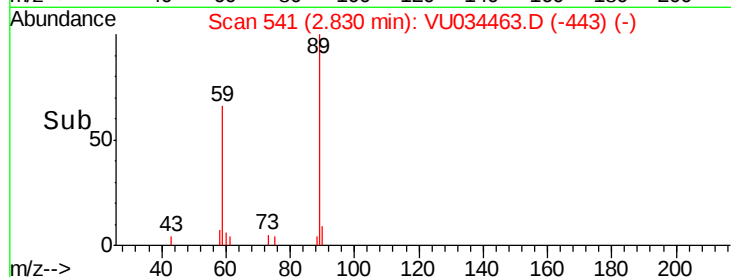
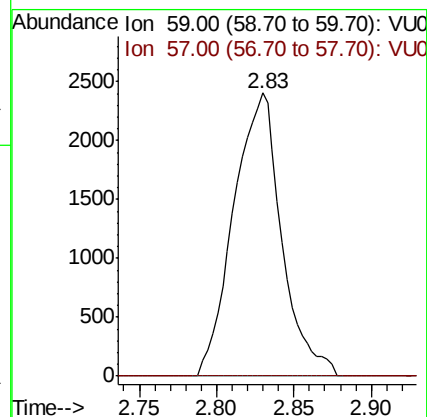
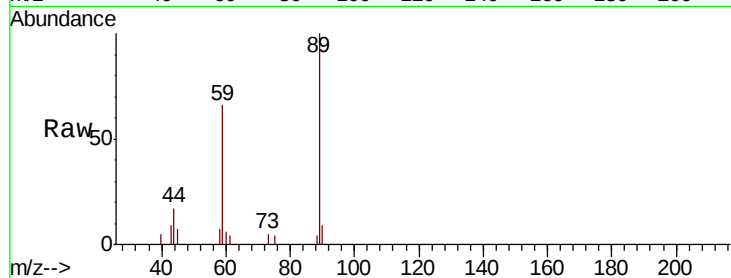


#11

Tert butyl alcohol
 Concen: 7.100 ug/l
 RT: 2.83 min Scan# 541
 Delta R.T. 0.02 min
 Lab File: VU034463.D
 Acq: 10 Sep 2019 19:49

Instrument :
 MSVOA_U
 ClientSampleId :
 T12-F2-(2.7)

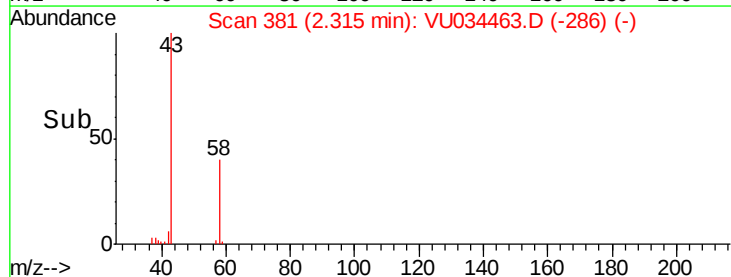
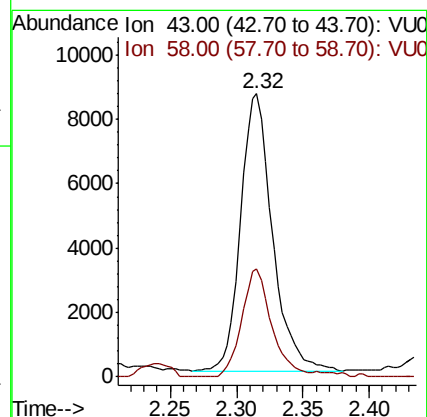
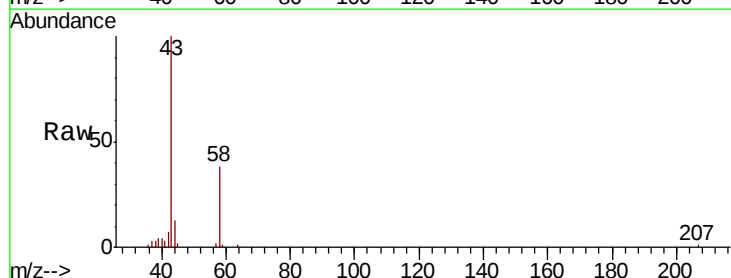
Tgt Ion: 59 Resp: 5204
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

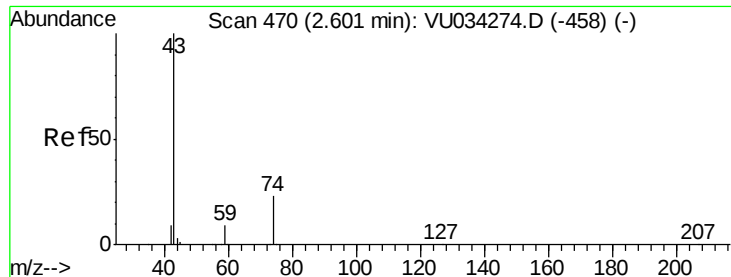


#16

Acetone
 Concen: 8.000 ug/l
 RT: 2.32 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VU034463.D
 Acq: 10 Sep 2019 19:49

Tgt Ion: 43 Resp: 14364
 Ion Ratio Lower Upper
 43 100
 58 39.0 27.6 41.4

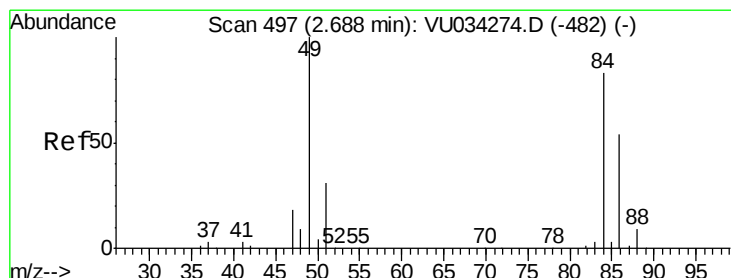
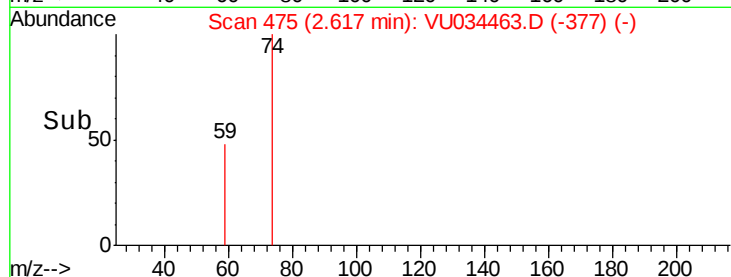
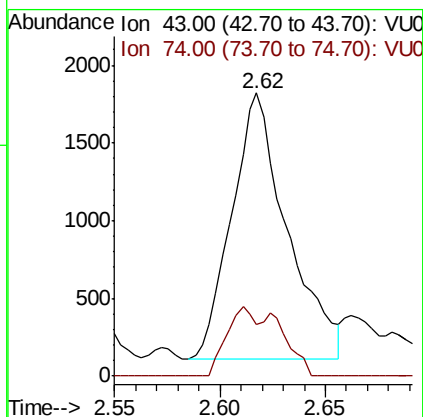
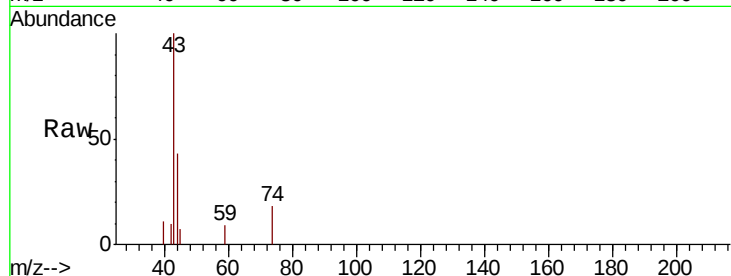




#18
Methyl Acetate
Concen: 0.718 ug/l
RT: 2.62 min Scan# 475
Delta R.T. 0.02 min
Lab File: VU034463.D
Acq: 10 Sep 2019 19:49

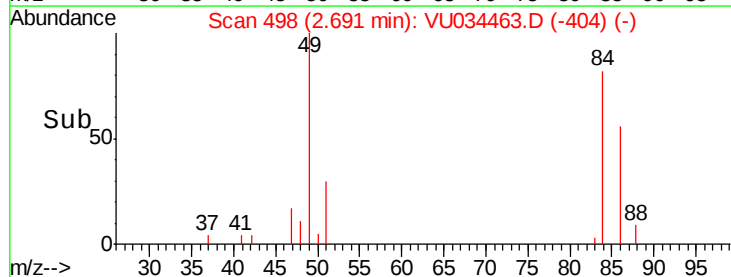
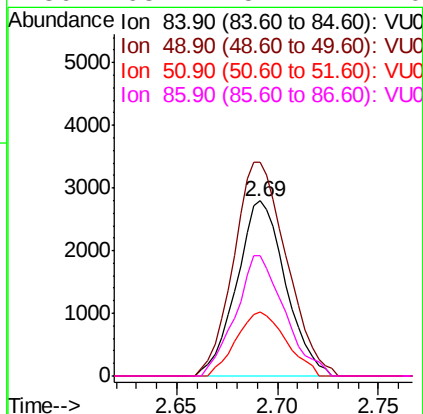
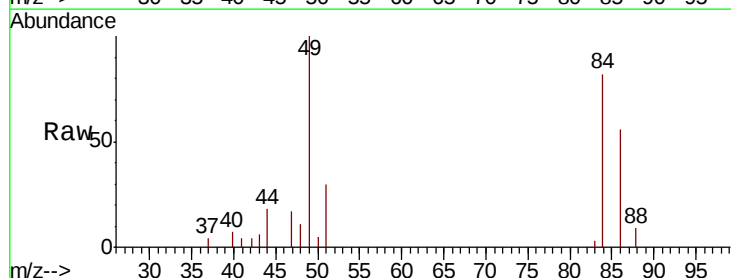
Instrument :
MSVOA_U
ClientSampleId :
T12-F2-(2.7)

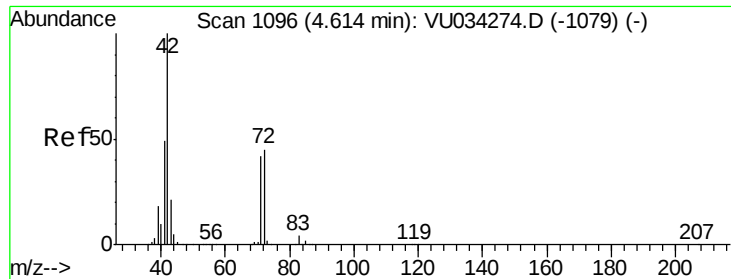
Tgt Ion: 43 Resp: 3137
Ion Ratio Lower Upper
43 100
74 13.5 18.9 28.3#



#20
Methylene Chloride
Concen: 1.222 ug/l
RT: 2.69 min Scan# 498
Delta R.T. 0.00 min
Lab File: VU034463.D
Acq: 10 Sep 2019 19:49

Tgt Ion: 84 Resp: 4740
Ion Ratio Lower Upper
84 100
49 122.0 96.0 144.0
51 36.9 30.0 45.0
86 68.7 51.4 77.0





#29

Tetrahydrofuran

Concen: 0.208 ug/l

RT: 4.66 min Scan# 1111

Delta R.T. 0.05 min

Lab File: VU034463.D

Acq: 10 Sep 2019 19:49

Instrument :

MSVOA_U

ClientSampled :

T12-F2-(2.7)

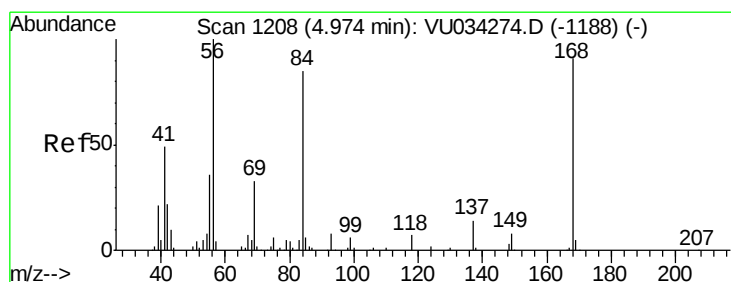
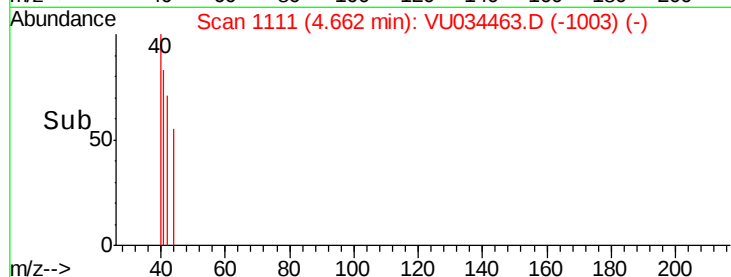
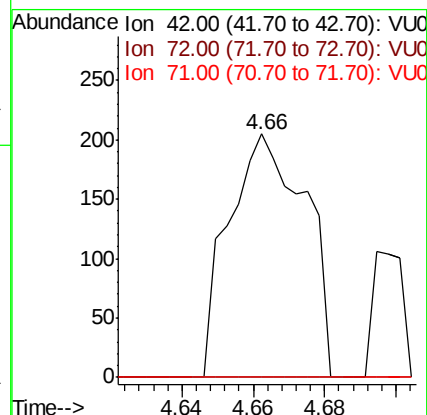
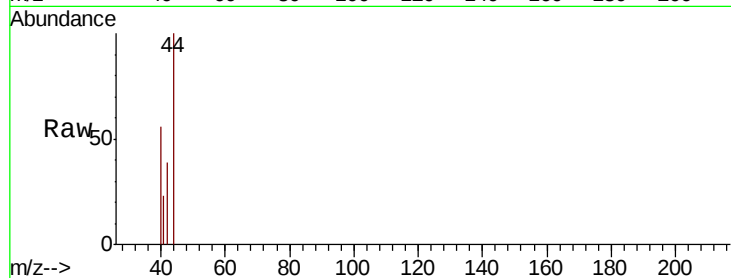
Tgt Ion: 42 Resp: 303

Ion Ratio Lower Upper

42 100

72 0.0 36.6 54.8#

71 0.0 34.3 51.5#



#31

Cyclohexane

Concen: 0.991 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. -0.01 min

Lab File: VU034463.D

Acq: 10 Sep 2019 19:49

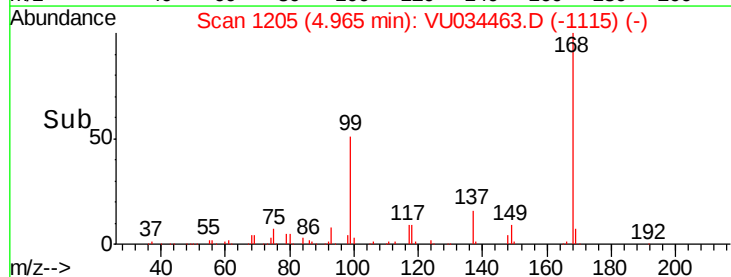
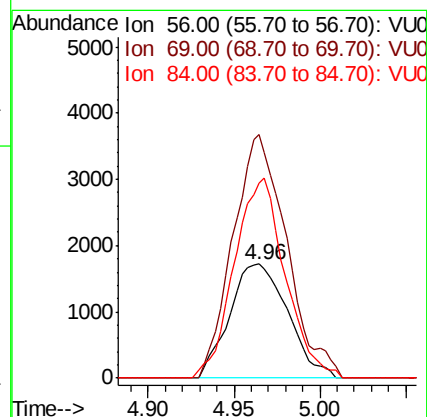
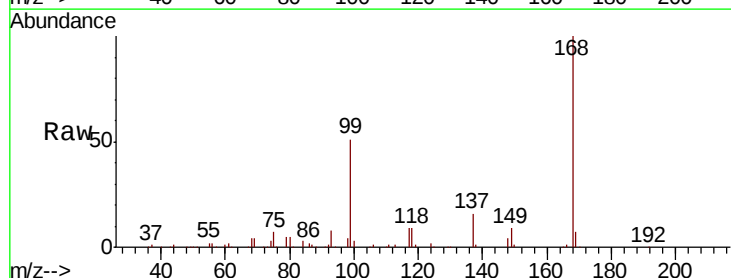
Tgt Ion: 56 Resp: 4028

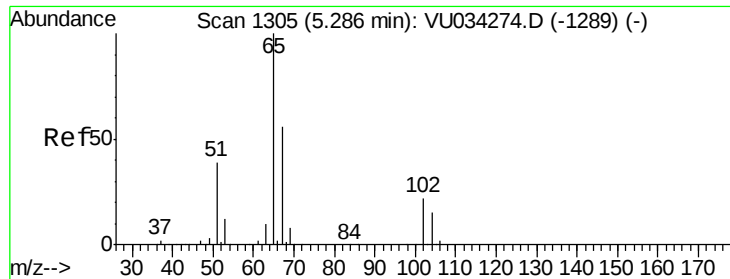
Ion Ratio Lower Upper

56 100

69 213.6 26.7 40.1#

84 170.9 68.2 102.4#

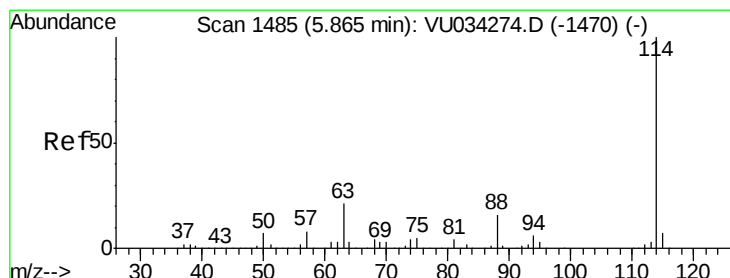
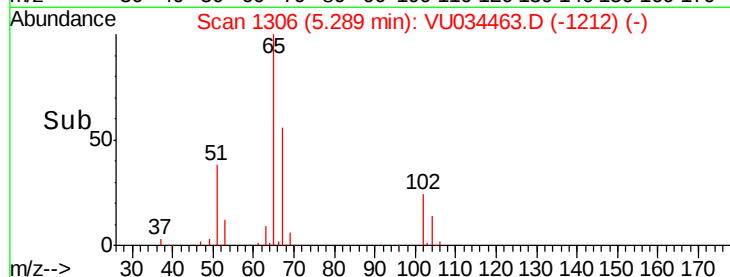
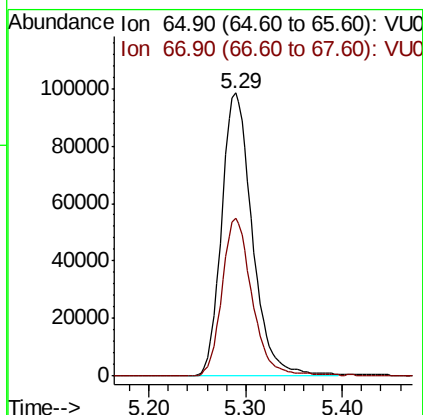
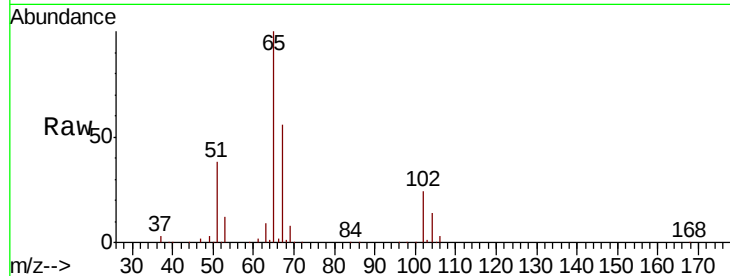




#33
 1,2-Dichloroethane-d4
 Concen: 62.729 ug/l
 RT: 5.29 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU034463.D
 Acq: 10 Sep 2019 19:49

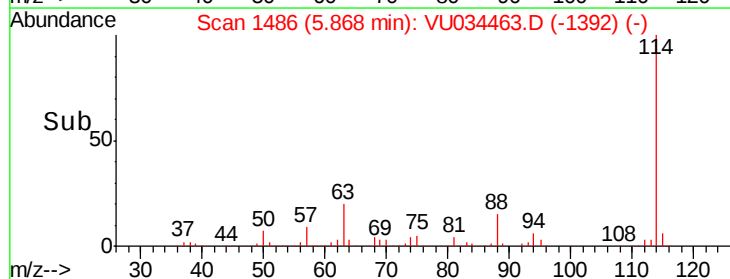
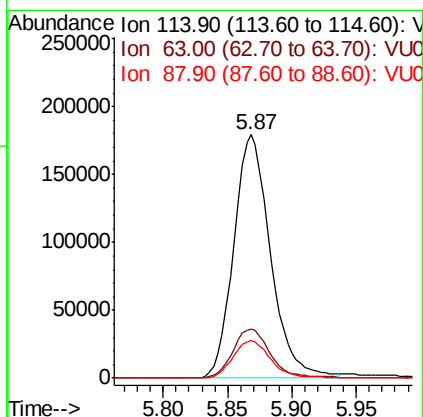
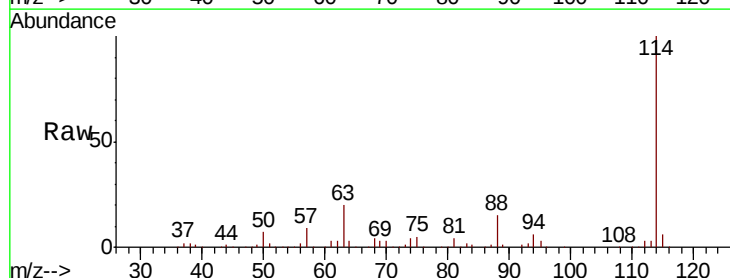
Instrument :
 MSVOA_U
 ClientSampled :
 T12-F2-(2.7)

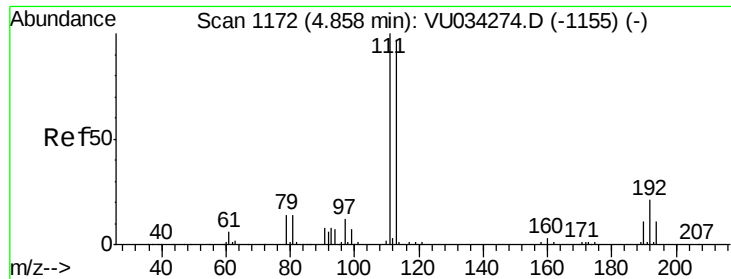
Tgt Ion: 65 Resp: 217635
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 112.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034463.D
 Acq: 10 Sep 2019 19:49

Tgt Ion: 114 Resp: 355670
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 42.4
 88 15.3 0.0 32.4

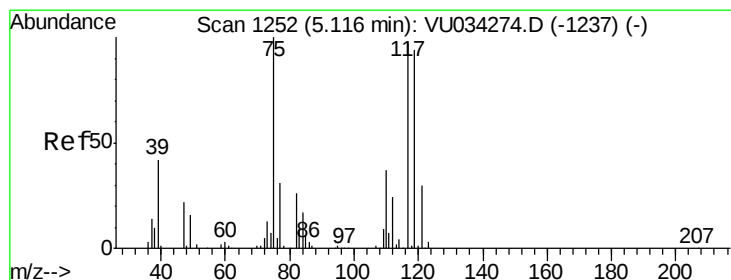
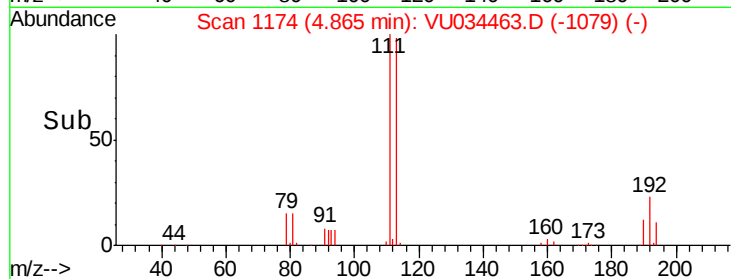
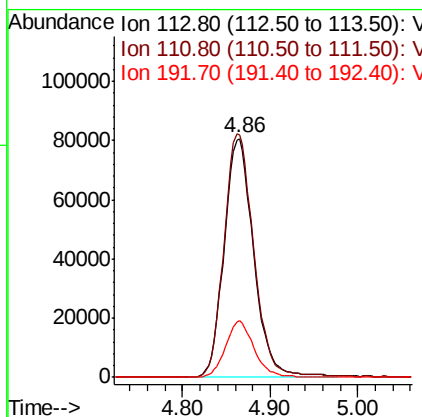
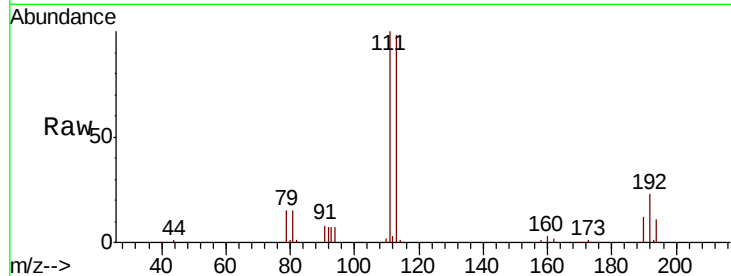




#35
 Dibromofluoromethane
 Concen: 57.206 ug/l
 RT: 4.86 min Scan# 1174
 Delta R.T. 0.01 min
 Lab File: VU034463.D
 Acq: 10 Sep 2019 19:49

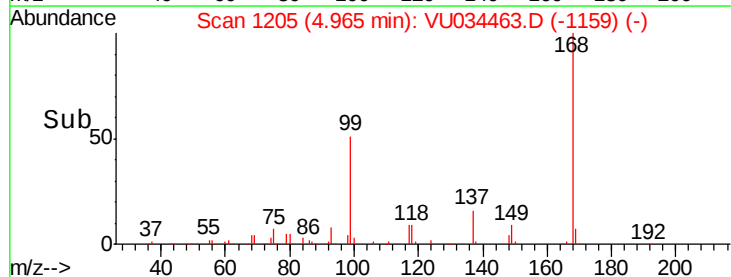
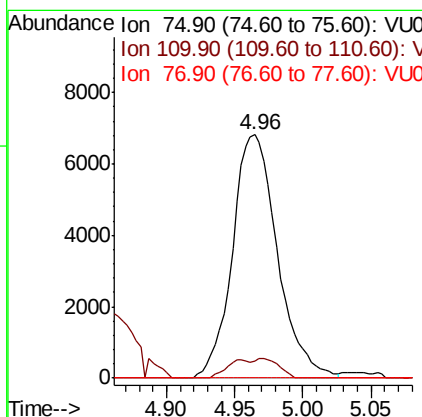
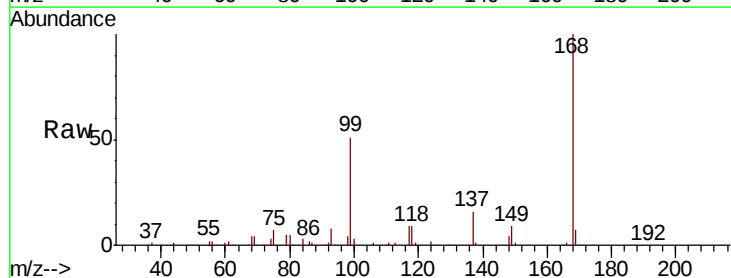
Instrument :
 MSVOA_U
 ClientSampleId :
 T12-F2-(2.7)

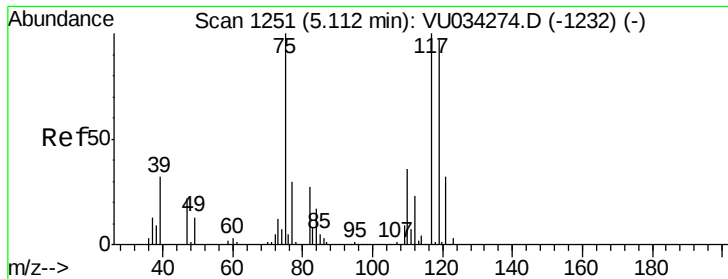
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.5	122.3
192	22.8	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 4.048 ug/l
 RT: 4.96 min Scan# 1205
 Delta R.T. -0.15 min
 Lab File: VU034463.D
 Acq: 10 Sep 2019 19:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	4.0	18.3	54.9#
77	0.0	24.9	37.3#

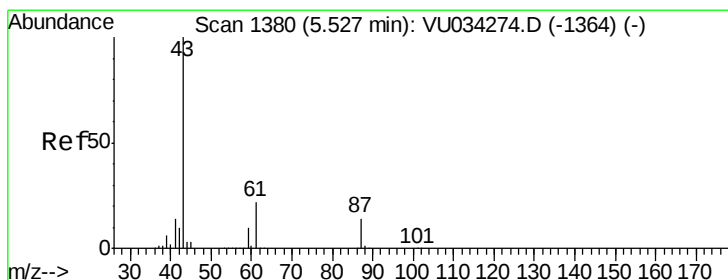
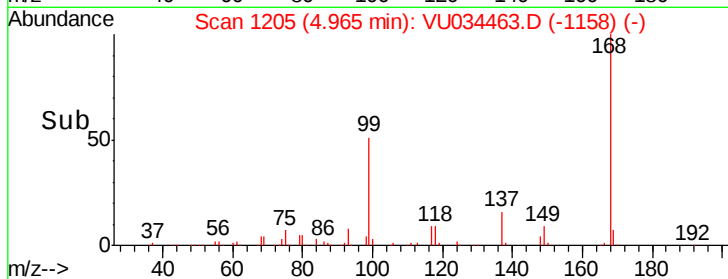
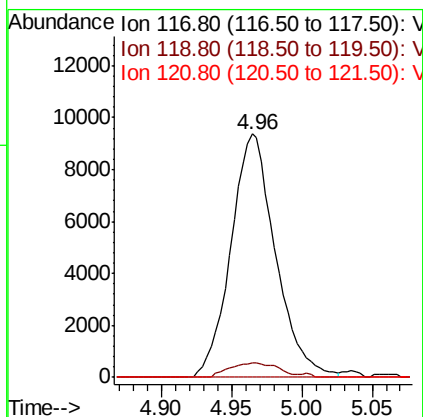
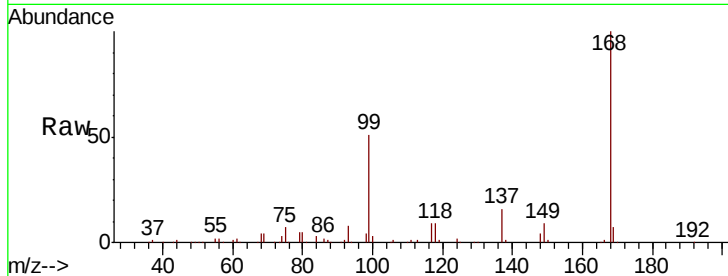




#38
 Carbon Tetrachloride
 Concen: 5.030 ug/l
 RT: 4.96 min Scan# 1205
 Delta R.T. -0.15 min
 Lab File: VU034463.D
 Acq: 10 Sep 2019 19:49

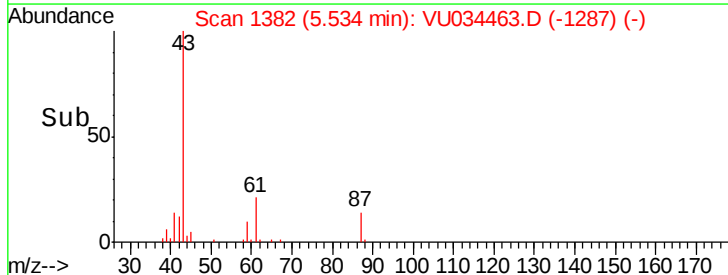
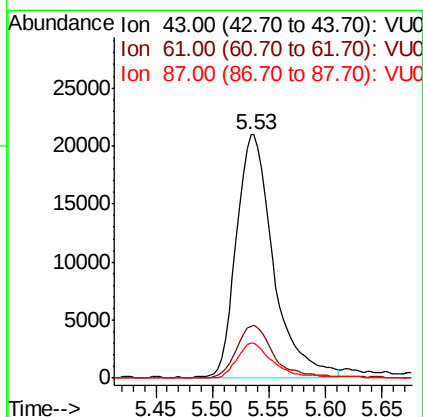
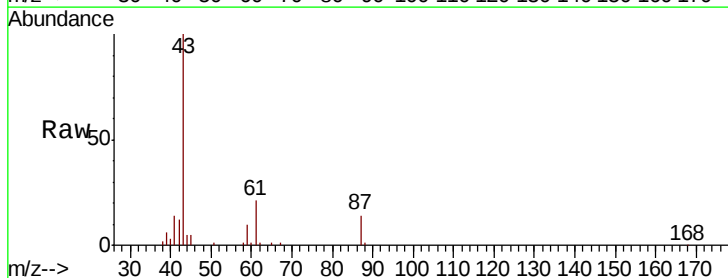
Instrument :
 MSVOA_U
 ClientSampleId :
 T12-F2-(2.7)

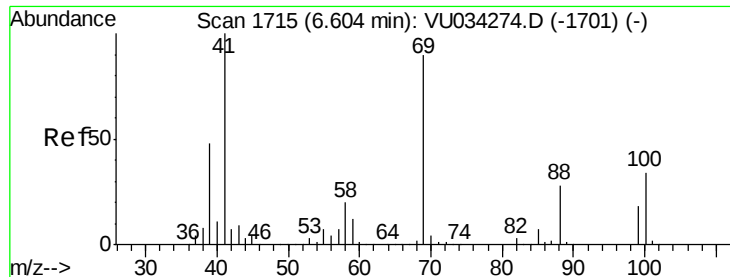
Tgt Ion: 117 Resp: 20718
 Ion Ratio Lower Upper
 117 100
 119 5.9 77.8 116.6#
 121 0.0 25.2 37.8#



#43
 Isopropyl Acetate
 Concen: 6.759 ug/l
 RT: 5.53 min Scan# 1382
 Delta R.T. 0.01 min
 Lab File: VU034463.D
 Acq: 10 Sep 2019 19:49

Tgt Ion: 43 Resp: 48087
 Ion Ratio Lower Upper
 43 100
 61 21.1 17.1 25.7
 87 13.8 11.1 16.7

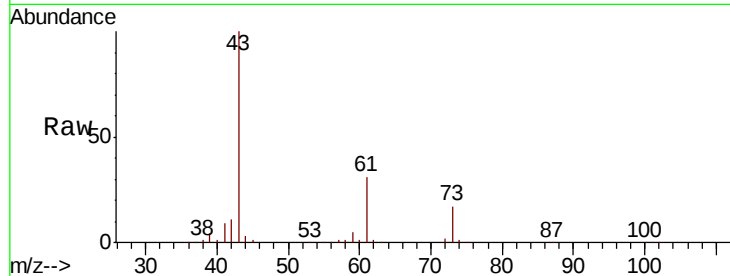




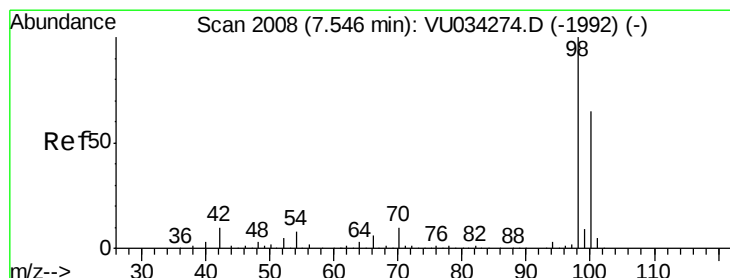
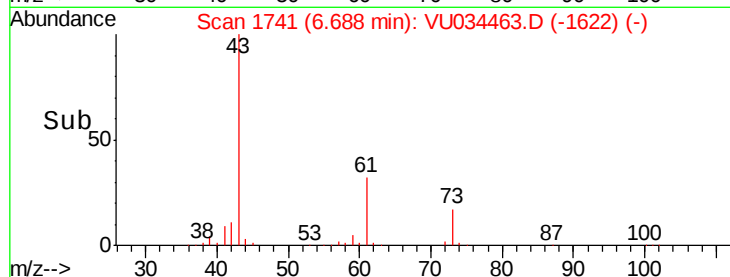
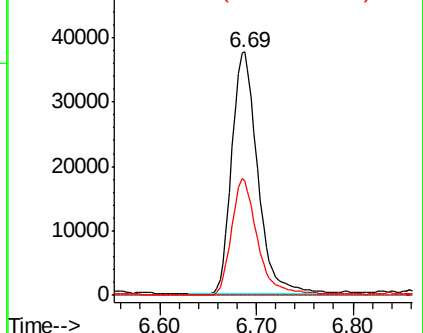
#48
Methyl methacrylate
Concen: 20.837 ug/l
RT: 6.69 min Scan# 1741
Delta R.T. 0.08 min
Lab File: VU034463.D
Acq: 10 Sep 2019 19:49

Instrument :
MSVOA_U
ClientSampleId :
T12-F2-(2.7)

Tgt Ion: 41 Resp: 70408
Ion Ratio Lower Upper
41 100
69 0.0 72.8 109.2#
39 49.4 38.6 58.0

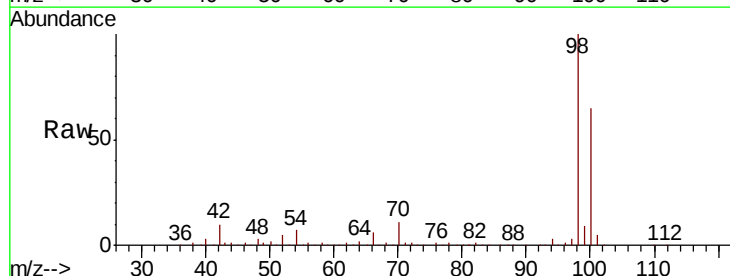


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 39.00 (38.70 to 39.70): VU0

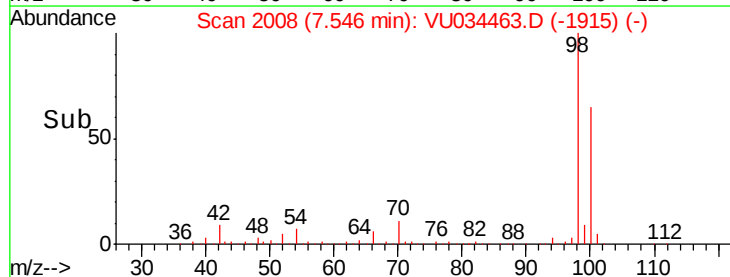
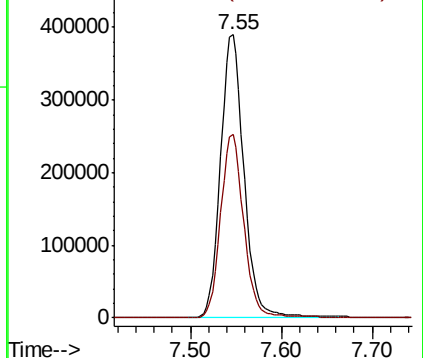


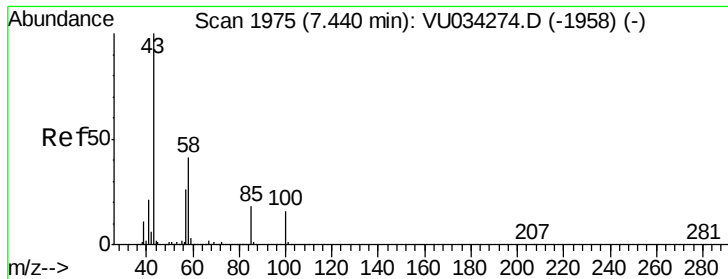
#50
Toluene-d8
Concen: 56.312 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034463.D
Acq: 10 Sep 2019 19:49

Tgt Ion: 98 Resp: 700185
Ion Ratio Lower Upper
98 100
100 64.2 51.7 77.5



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

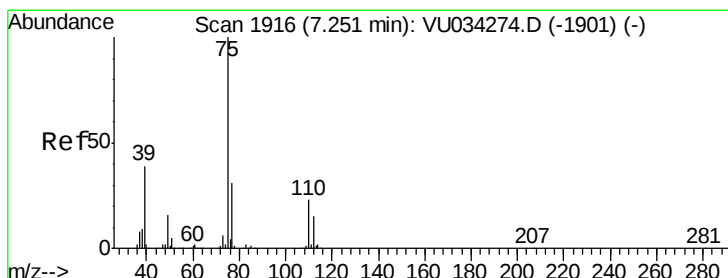
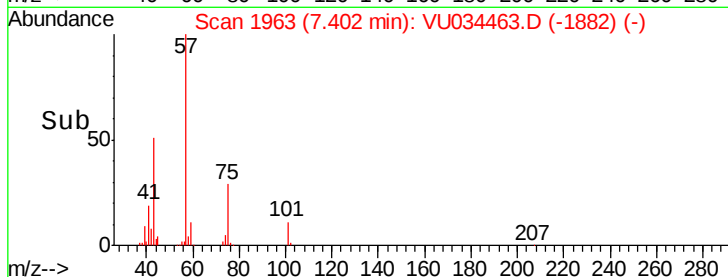
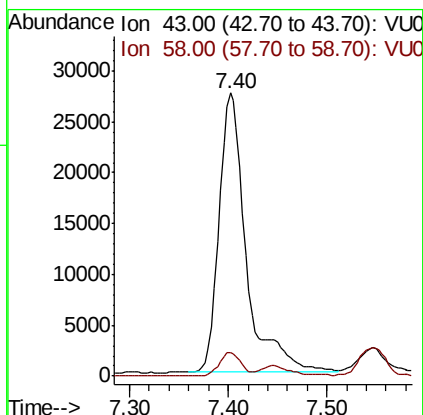
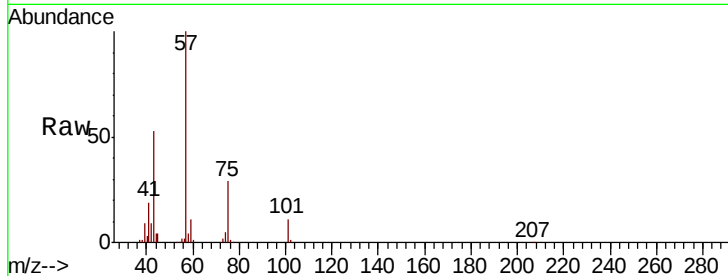




#51
 4-Methyl-2-Pentanone
 Concen: 10.795 ug/l
 RT: 7.40 min Scan# 1963
 Delta R.T. -0.04 min
 Lab File: VU034463.D
 Acq: 10 Sep 2019 19:49

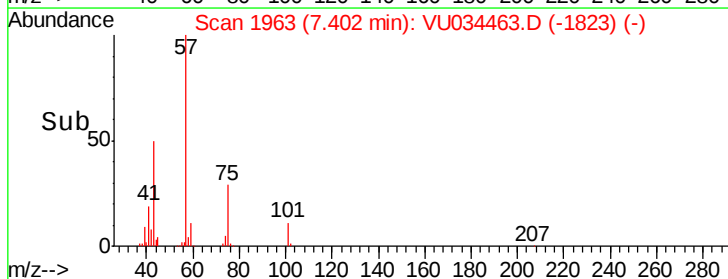
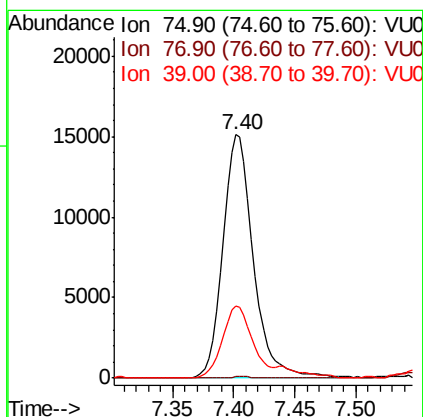
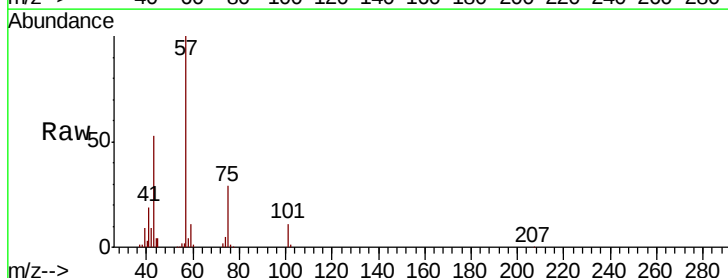
Instrument :
 MSVOA_U
 ClientSampleId :
 T12-F2-(2.7)

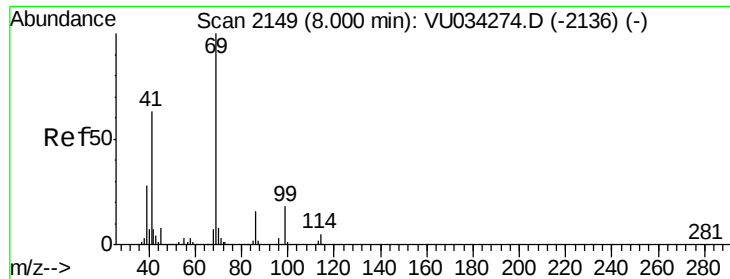
Tgt Ion: 43 Resp: 53163
 Ion Ratio Lower Upper
 43 100
 58 6.6 33.0 49.4#



#54
 cis-1,3-Dichloropropene
 Concen: 4.962 ug/l
 RT: 7.40 min Scan# 1963
 Delta R.T. 0.15 min
 Lab File: VU034463.D
 Acq: 10 Sep 2019 19:49

Tgt Ion: 75 Resp: 26541
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.1 37.7#
 39 29.8 31.2 46.8#

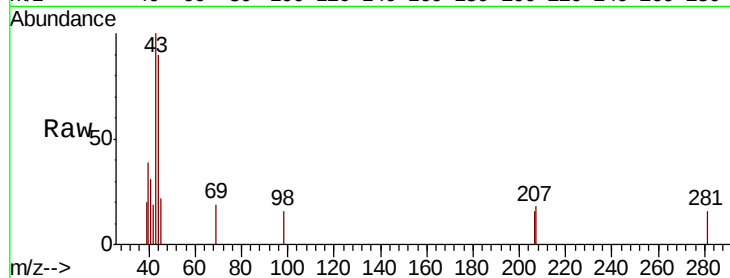




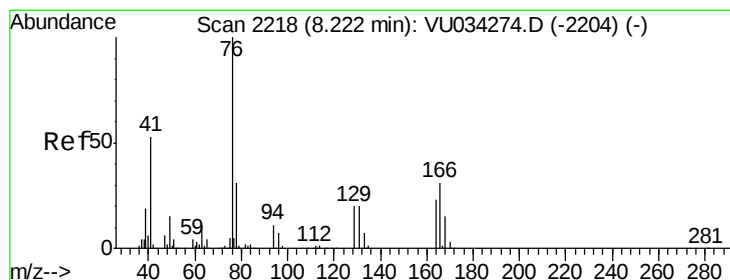
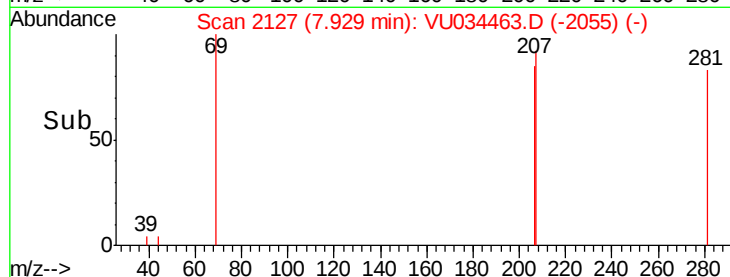
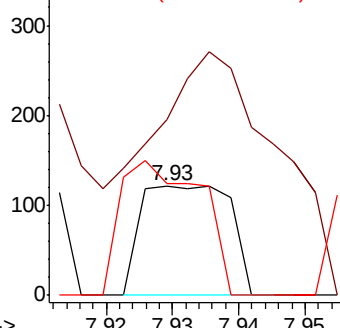
#56
Ethyl methacrylate
Concen: 3.096 ug/l
RT: 7.93 min Scan# 2127
Delta R.T. -0.07 min
Lab File: VU034463.D
Acq: 10 Sep 2019 19:49

Instrument :
MSVOA_U
ClientSampleId :
T12-F2-(2.7)

Tgt Ion: 69 Resp: 114
Ion Ratio Lower Upper
69 100
41 0.0 49.5 74.3#
39 0.0 22.5 33.7#

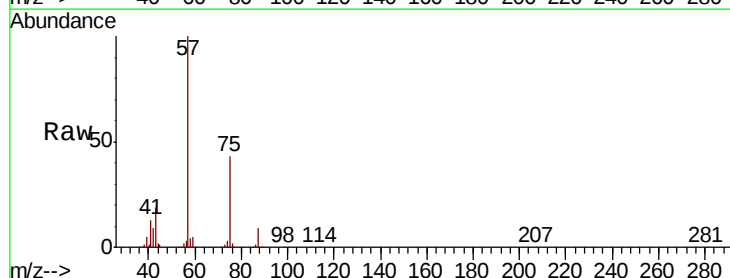


Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0

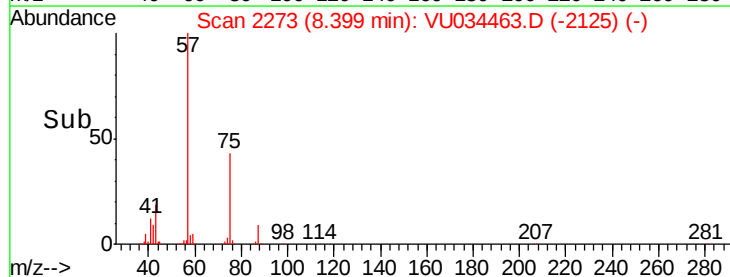
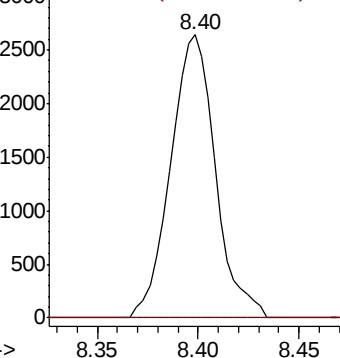


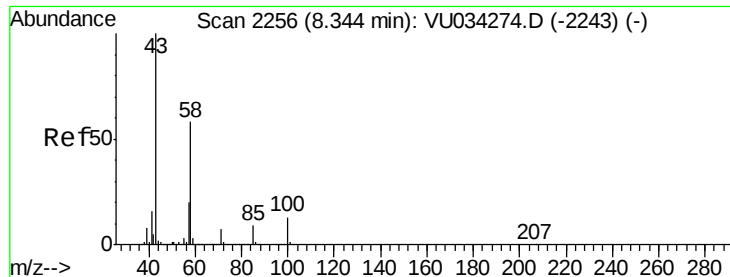
#57
1,3-Dichloropropane
Concen: 0.711 ug/l
RT: 8.40 min Scan# 2273
Delta R.T. 0.18 min
Lab File: VU034463.D
Acq: 10 Sep 2019 19:49

Tgt Ion: 76 Resp: 4107
Ion Ratio Lower Upper
76 100
78 0.0 25.4 38.2#



Abundance Ion 75.90 (75.60 to 76.60): VU0
Ion 77.90 (77.60 to 78.60): VU0





#59

2-Hexanone

Concen: 14.094 ug/l

RT: 8.40 min Scan# 2273

Delta R.T. 0.05 min

Lab File: VU034463.D

Acq: 10 Sep 2019 19:49

Instrument :

MSVOA_U

ClientSampleId :

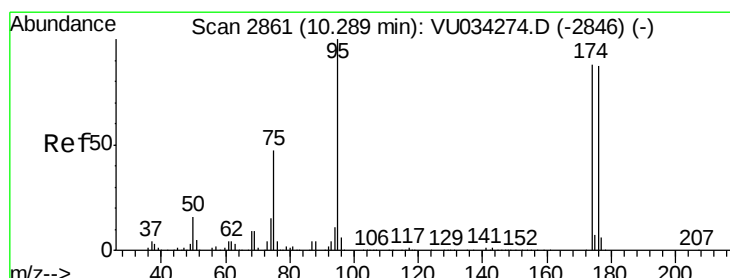
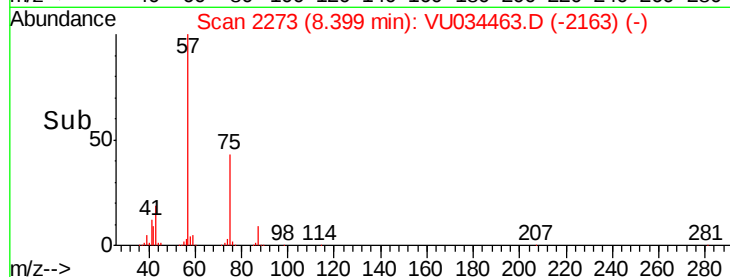
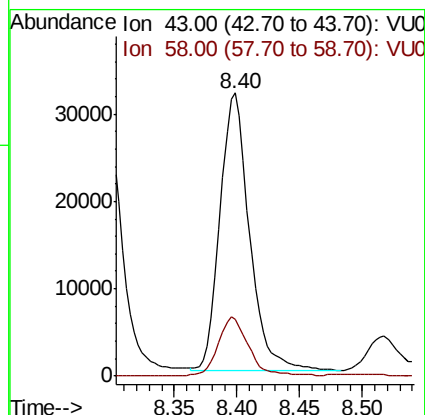
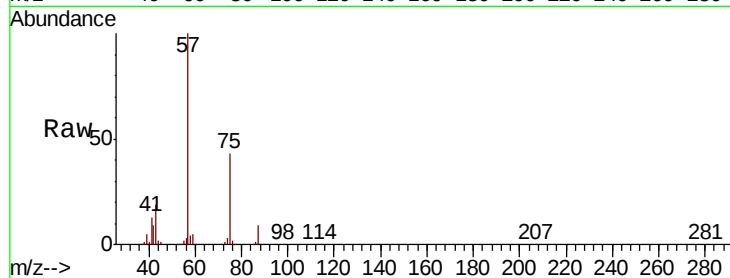
T12-F2-(2.7)

Tgt Ion: 43 Resp: 51852

Ion Ratio Lower Upper

43 100

58 22.2 28.8 86.5#



#62

4-Bromofluorobenzene

Concen: 49.282 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034463.D

Acq: 10 Sep 2019 19:49

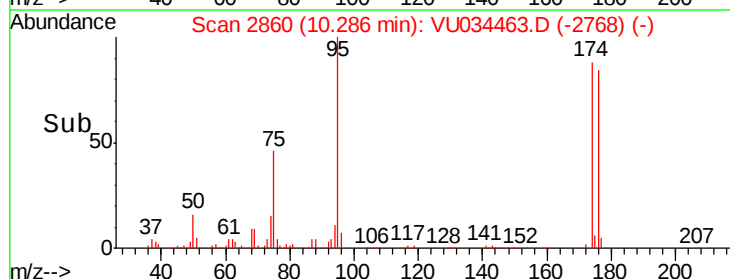
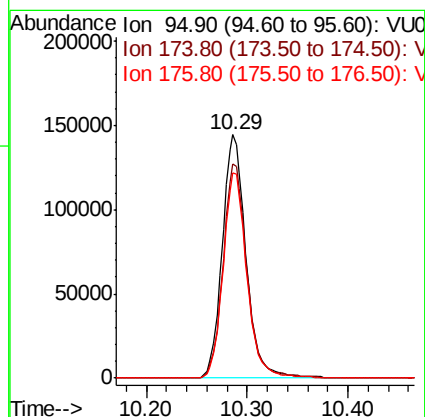
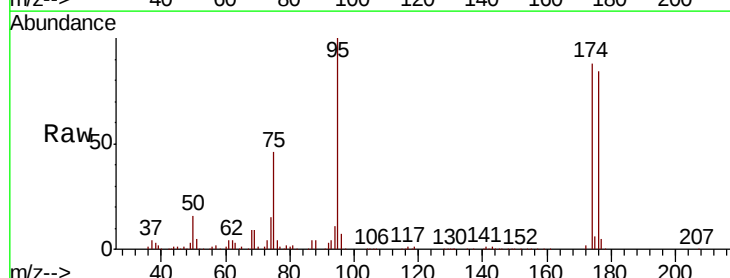
Tgt Ion: 95 Resp: 236584

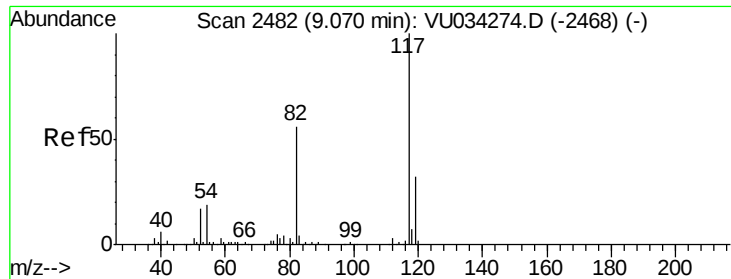
Ion Ratio Lower Upper

95 100

174 89.5 0.0 175.2

176 84.7 0.0 168.0

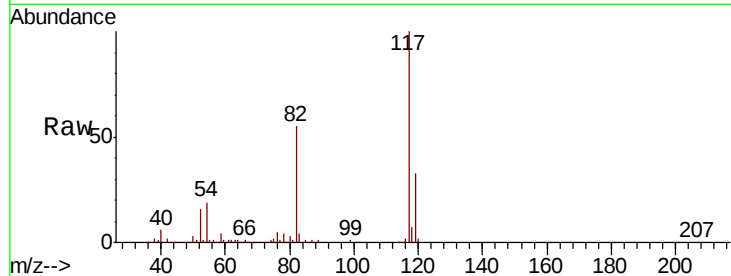




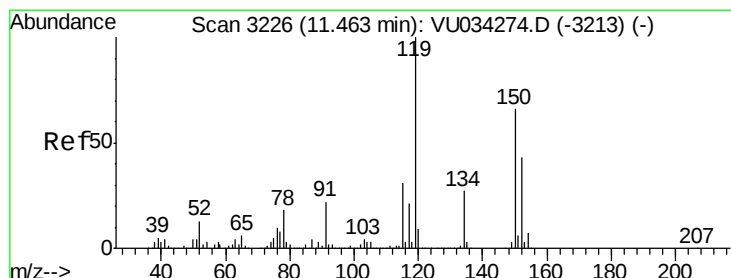
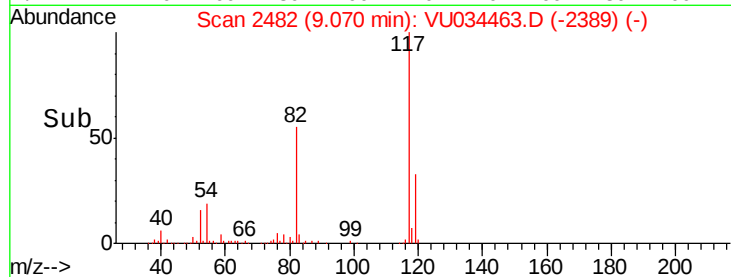
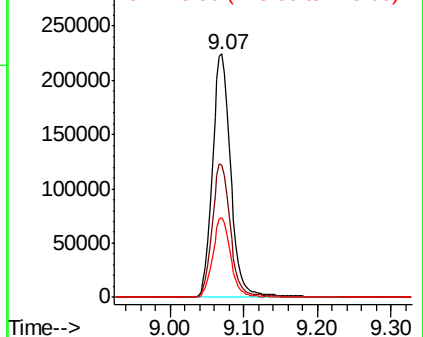
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034463.D
Acq: 10 Sep 2019 19:49

Instrument :
MSVOA_U
ClientSampleId :
T12-F2-(2.7)

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.5	44.6	67.0
119	33.0	25.9	38.9

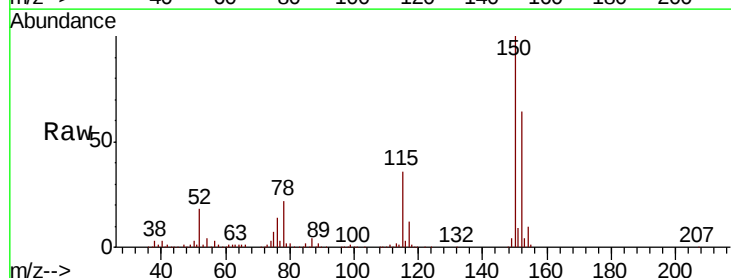


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

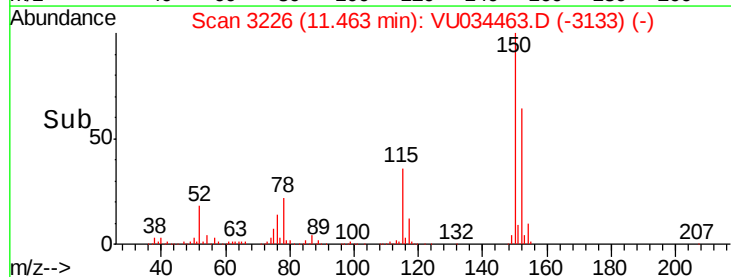
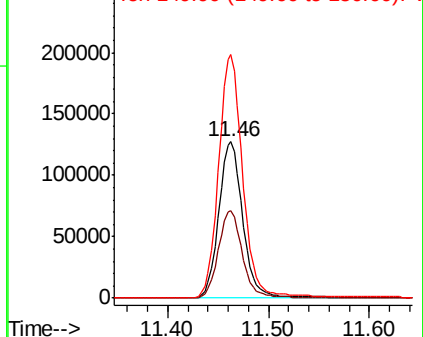


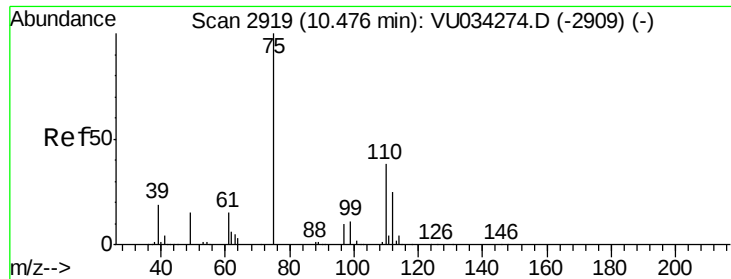
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VU034463.D
Acq: 10 Sep 2019 19:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	39.1	117.3
150	156.4	0.0	345.4



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: 24.012 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.19 min

Lab File: VU034463.D

Acq: 10 Sep 2019 19:49

Instrument :

MSVOA_U

ClientSampleId :

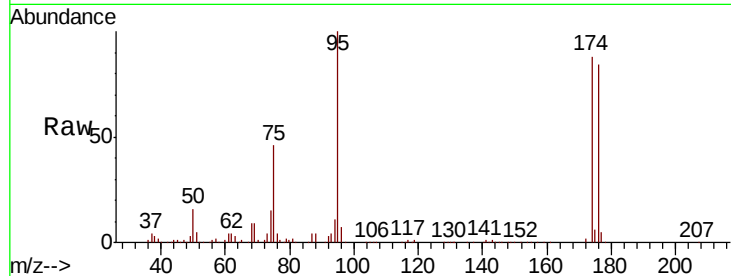
T12-F2-(2.7)

Tgt Ion: 75 Resp: 111388

Ion Ratio Lower Upper

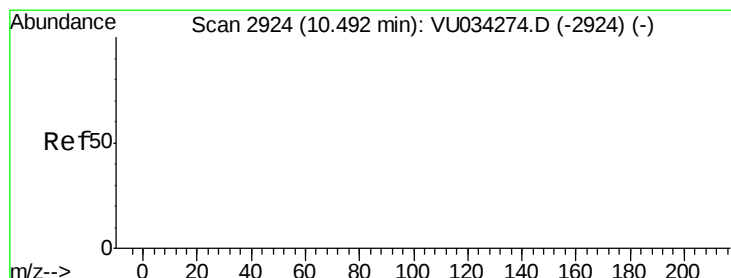
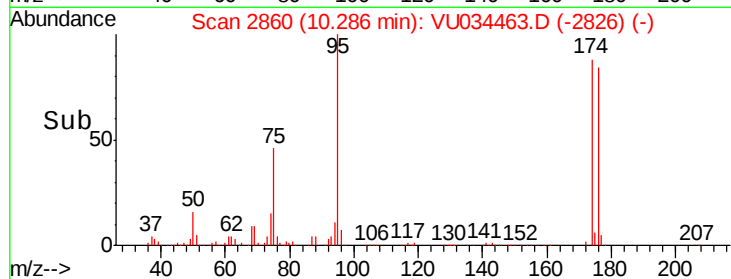
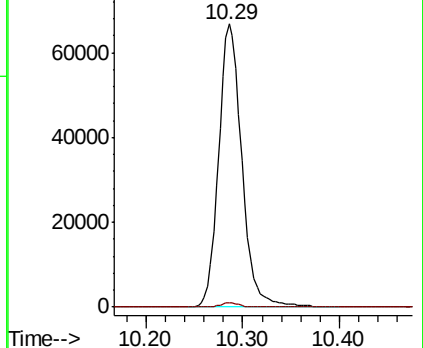
75 100

77 1.3 20.8 62.2#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0



#81

trans-1,4-Dichloro-2-butene

Concen: 80.750 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.21 min

Lab File: VU034463.D

Acq: 10 Sep 2019 19:49

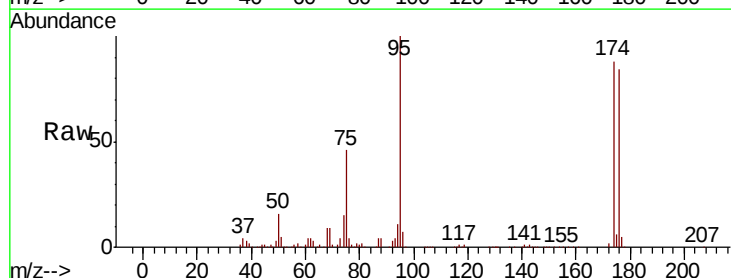
Tgt Ion: 75 Resp: 111388

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

