

Data File : VU034503.D
Acq On : 12 Sep 2019 02:26
Operator : JC/SP
Sample : K4843-22
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
T11-B1-(0)

Quant Time: Sep 12 04:49:34 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	240168	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	364675	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	377755	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	203592	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	222617	61.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.52%	
35) Dibromofluoromethane	4.86	113	193968	57.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.32%	
50) Toluene-d8	7.55	98	680042	53.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.68%	
62) 4-Bromofluorobenzene	10.29	95	227894	46.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.60%	

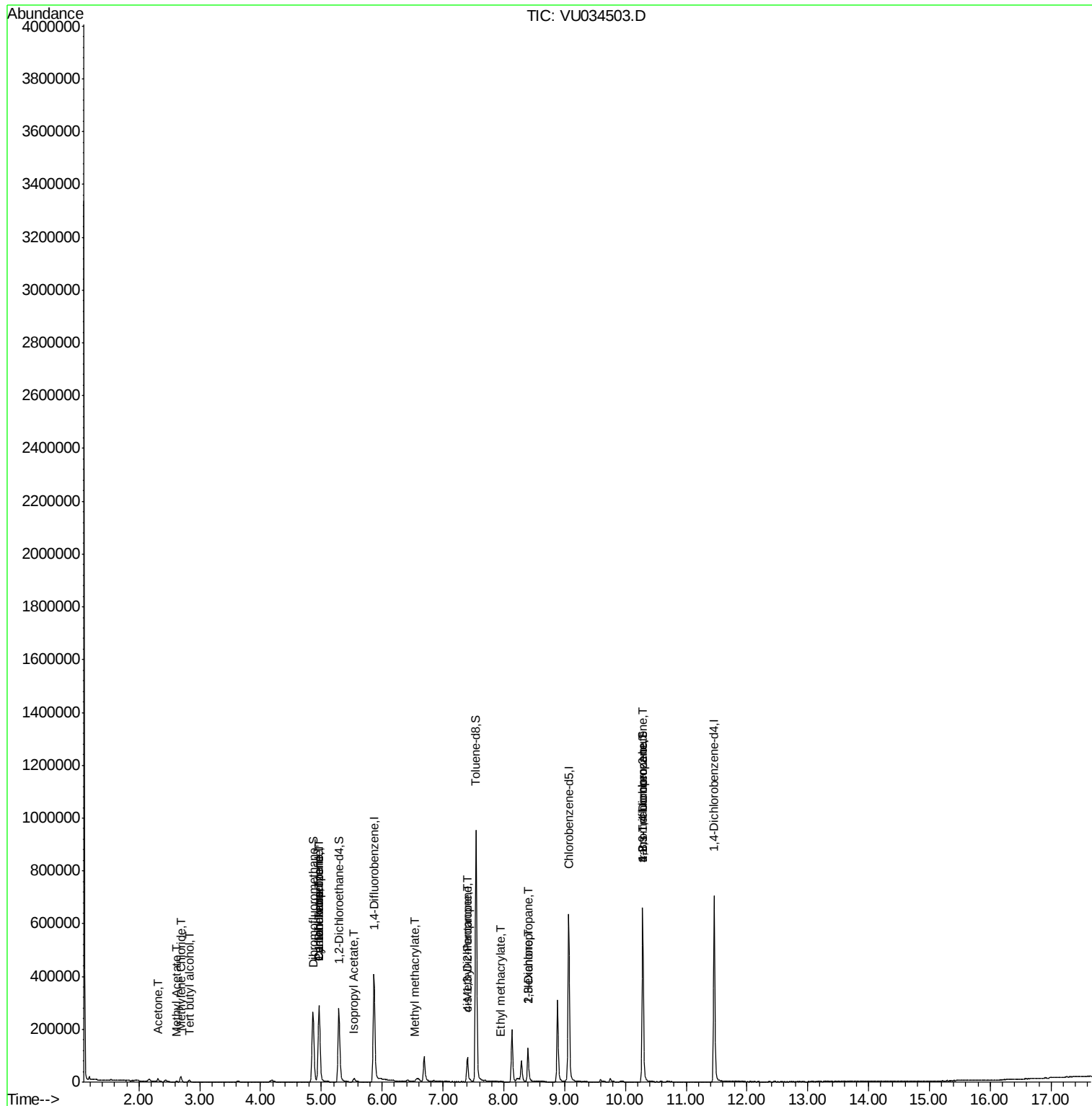
Target Compounds			Qvalue			
5) Bromomethane	1.64	94	447	Below Cal	#	74
6) Chloroethane	1.67	64	124	Below Cal	#	43
11) Tert butyl alcohol	2.82	59	4252	5.539	ug/l #	73
16) Acetone	2.31	43	12189	6.482	ug/l	95
18) Methyl Acetate	2.61	43	2470	0.540	ug/l	99
20) Methylene Chloride	2.69	84	9950	2.854	ug/l	98
31) Cyclohexane	4.96	56	4332	1.018	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	16156	4.085	ug/l #	48
38) Carbon Tetrachloride	4.96	117	20863	4.941	ug/l #	16
43) Isopropyl Acetate	5.54	43	18772	2.573	ug/l	94
48) Methyl methacrylate	6.53	41	2934	0.847	ug/l #	19
51) 4-Methyl-2-Pentanone	7.40	43	33295	6.594	ug/l #	48
54) cis-1,3-Dichloropropene	7.40	75	17617	3.212	ug/l #	67
56) Ethyl methacrylate	7.96	69	202	3.111	ug/l #	28
57) 1,3-Dichloropropane	8.40	76	1510	0.255	ug/l #	43
59) 2-Hexanone	8.40	43	17523	4.645	ug/l #	57
76) 1,2,3-Trichloropropane	10.29	75	104383	23.488	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.29	75	104383	78.989	ug/l #	100

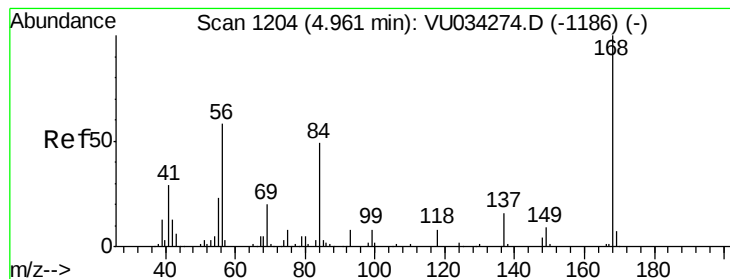
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VU034503.D

Acq: 12 Sep 2019 02:26

Instrument :

MSVOA_U

ClientSampleId :

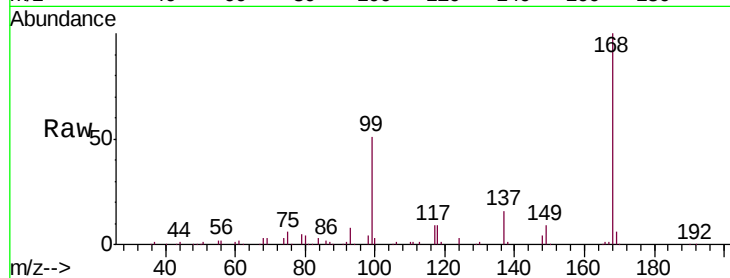
T11-B1-(0)

Tgt Ion:168 Resp: 240168

Ion Ratio Lower Upper

168 100

99 50.5 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

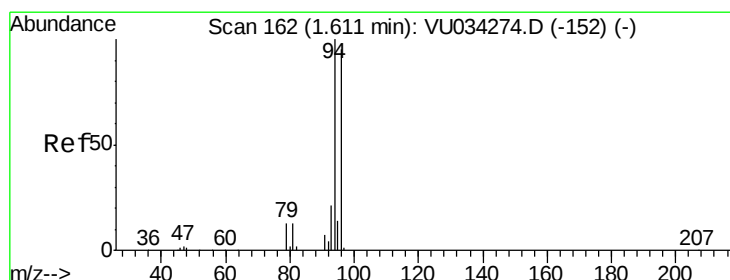
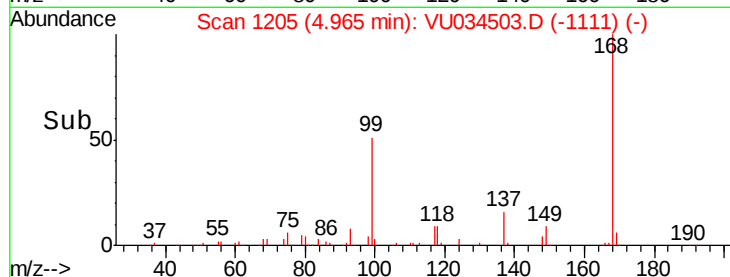
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 170

Delta R.T. 0.03 min

Lab File: VU034503.D

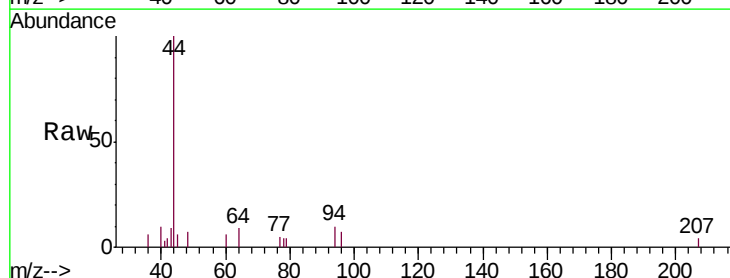
Acq: 12 Sep 2019 02:26

Tgt Ion: 94 Resp: 447

Ion Ratio Lower Upper

94 100

96 69.9 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) (-)

1.64

500

400

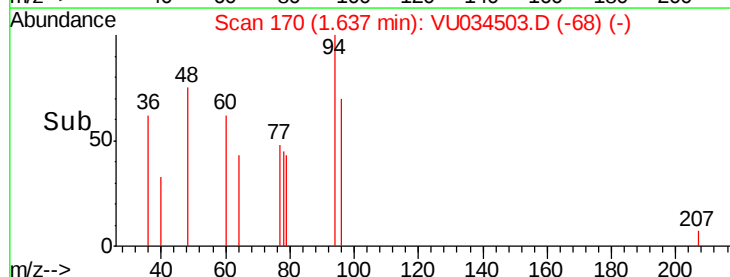
300

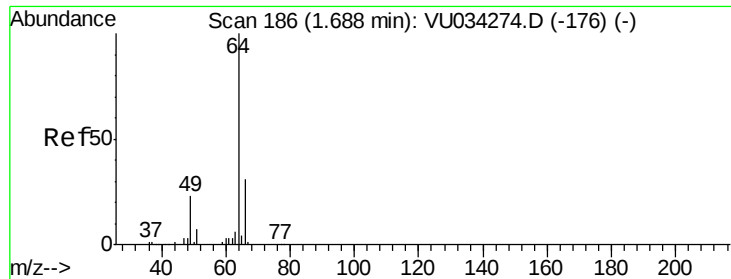
200

100

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 179

Delta R.T. -0.02 min

Lab File: VU034503.D

Acq: 12 Sep 2019 02:26

Instrument :

MSVOA_U

ClientSampleId :

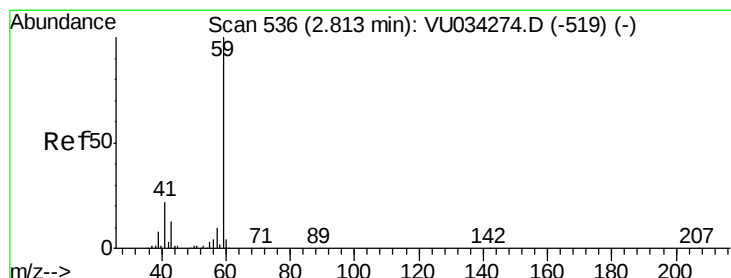
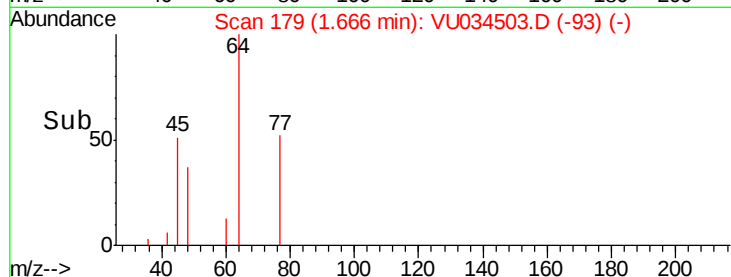
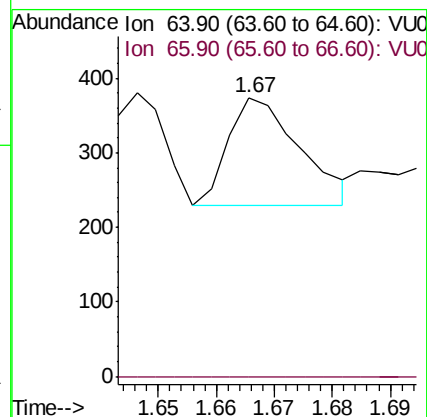
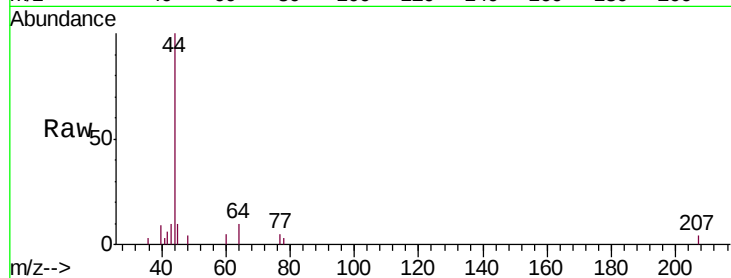
T11-B1-(0)

Tgt Ion: 64 Resp: 124

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#



#11

Tert butyl alcohol

Concen: 5.539 ug/l

RT: 2.82 min Scan# 538

Delta R.T. 0.01 min

Lab File: VU034503.D

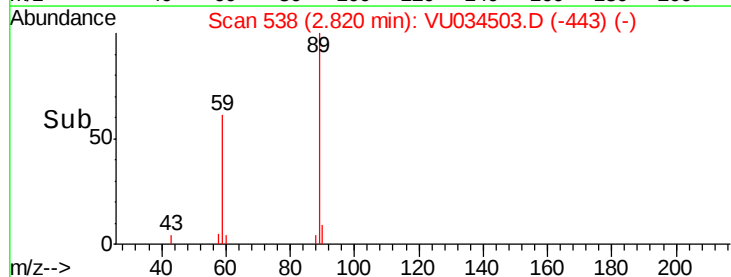
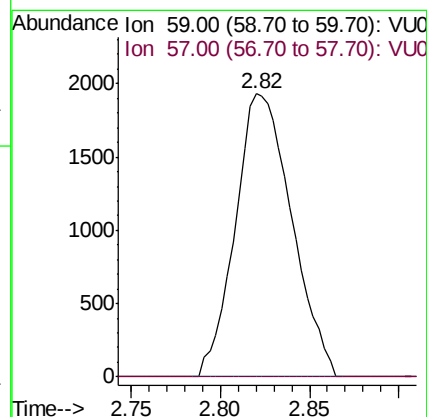
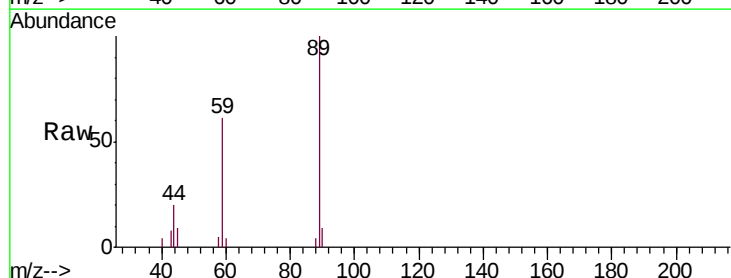
Acq: 12 Sep 2019 02:26

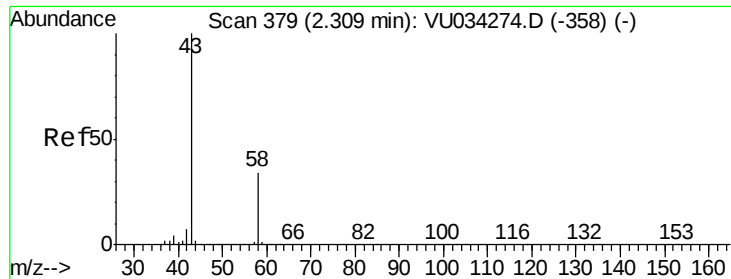
Tgt Ion: 59 Resp: 4252

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#





#16

Acetone

Concen: 6.482 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034503.D

Acq: 12 Sep 2019 02:26

Instrument :

MSVOA_U

ClientSampleId :

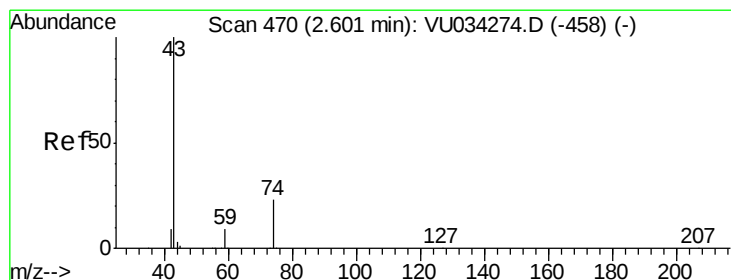
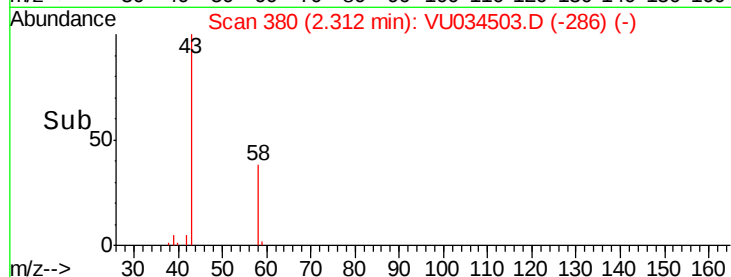
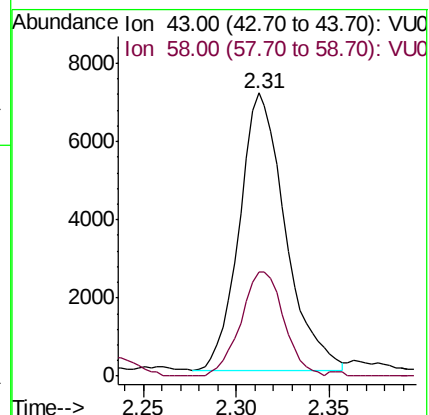
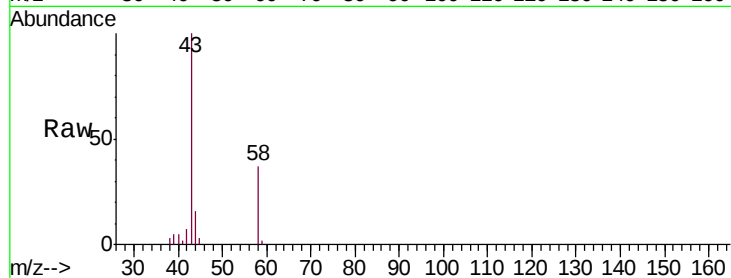
T11-B1-(0)

Tgt Ion: 43 Resp: 12189

Ion Ratio Lower Upper

43 100

58 37.4 27.6 41.4



#18

Methyl Acetate

Concen: 0.540 ug/l

RT: 2.61 min Scan# 474

Delta R.T. 0.01 min

Lab File: VU034503.D

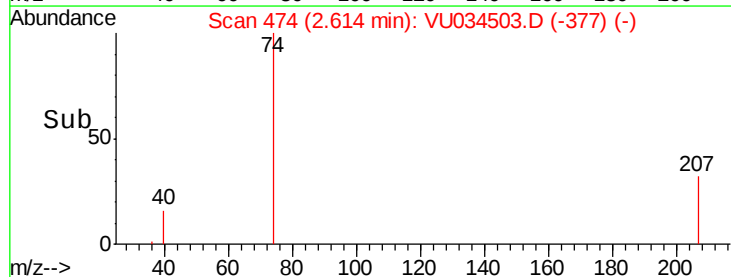
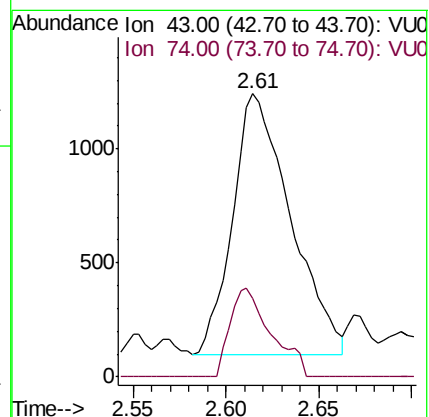
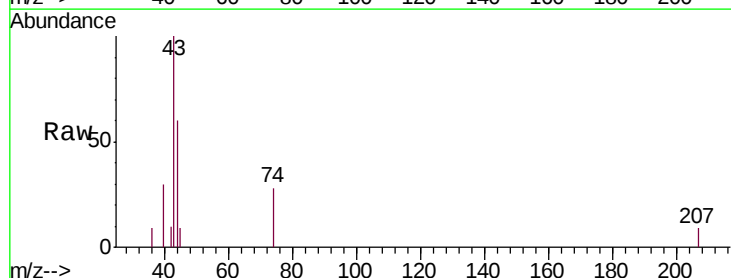
Acq: 12 Sep 2019 02:26

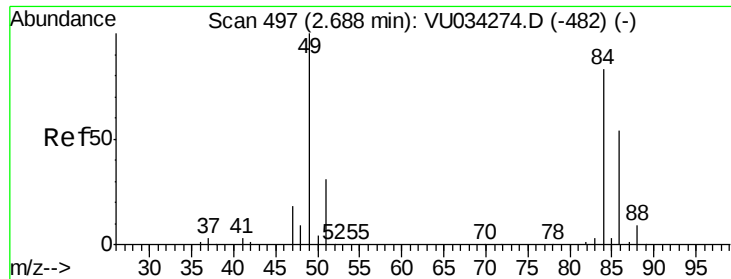
Tgt Ion: 43 Resp: 2470

Ion Ratio Lower Upper

43 100

74 24.1 18.9 28.3

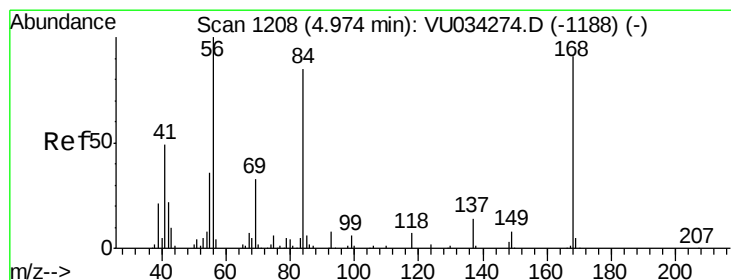
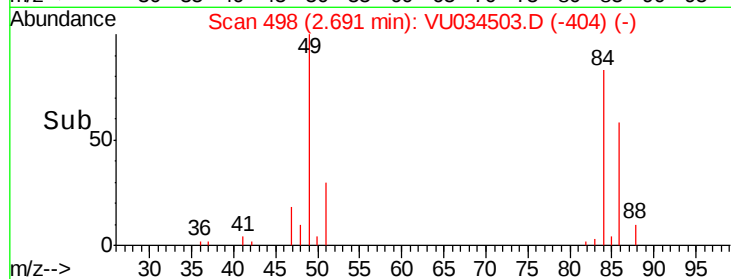
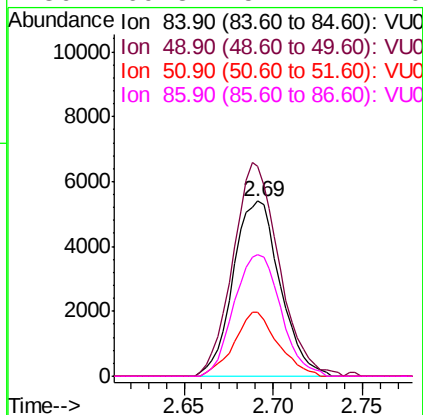
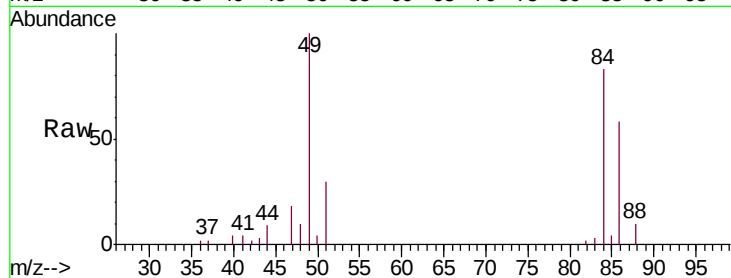




#20
Methylene Chloride
Concen: 2.854 ug/l
RT: 2.69 min Scan# 498
Delta R.T. 0.00 min
Lab File: VU034503.D
Acq: 12 Sep 2019 02:26

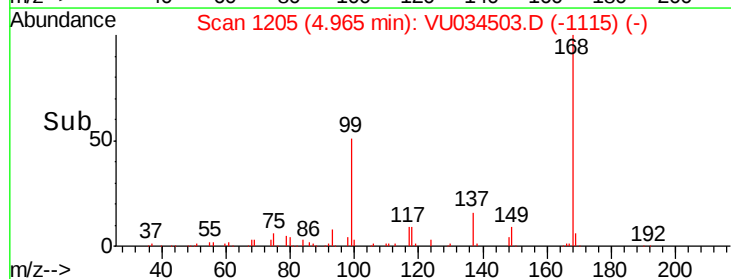
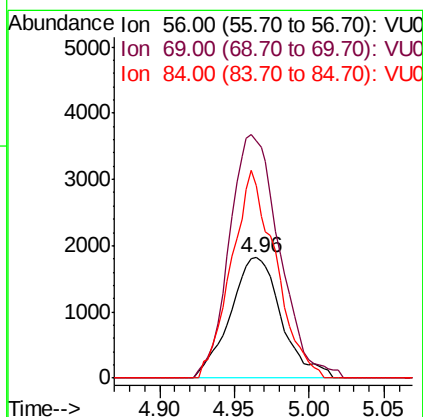
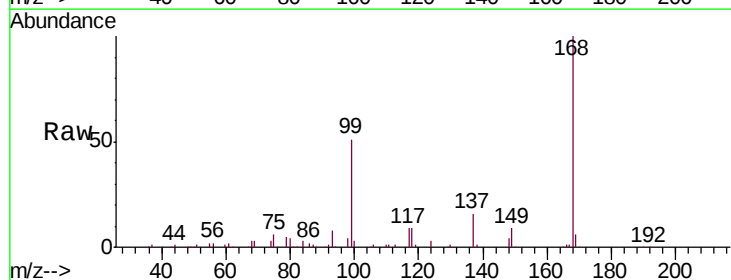
Instrument :
MSVOA_U
ClientSampleId :
T11-B1-(0)

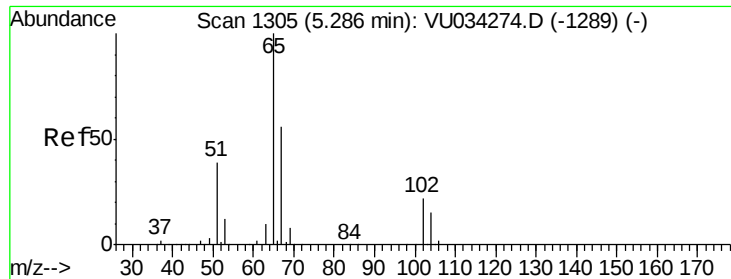
Tgt Ion:	84	Resp:	9950
Ion	Ratio	Lower	Upper
84	100		
49	120.2	96.0	144.0
51	36.4	30.0	45.0
86	69.8	51.4	77.0



#31
Cyclohexane
Concen: 1.018 ug/l
RT: 4.96 min Scan# 1205
Delta R.T. -0.01 min
Lab File: VU034503.D
Acq: 12 Sep 2019 02:26

Tgt Ion:	56	Resp:	4332
Ion	Ratio	Lower	Upper
56	100		
69	196.7	26.7	40.1#
84	159.6	68.2	102.4#

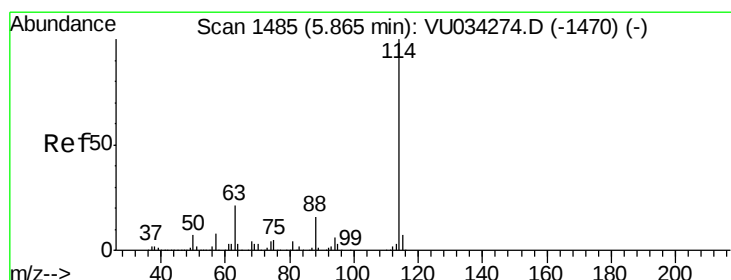
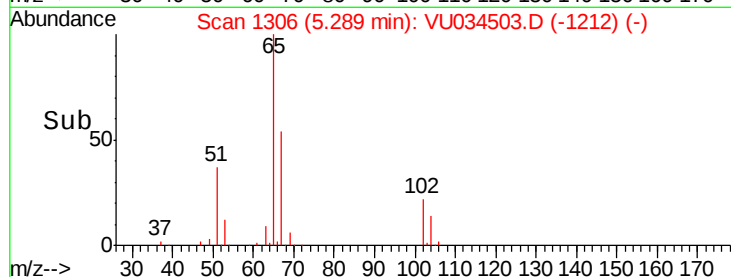
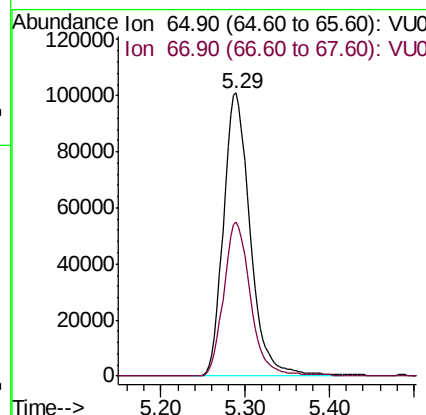
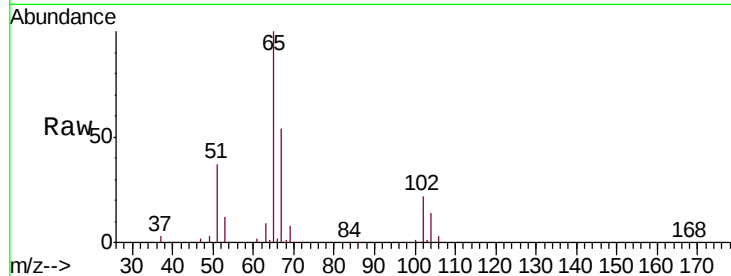




#33
 1,2-Dichloroethane-d4
 Concen: 61.263 ug/l
 RT: 5.29 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU034503.D
 Acq: 12 Sep 2019 02:26

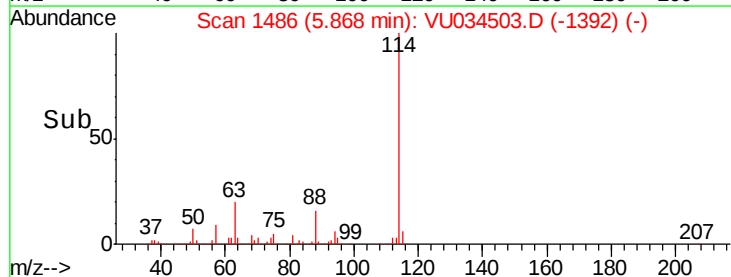
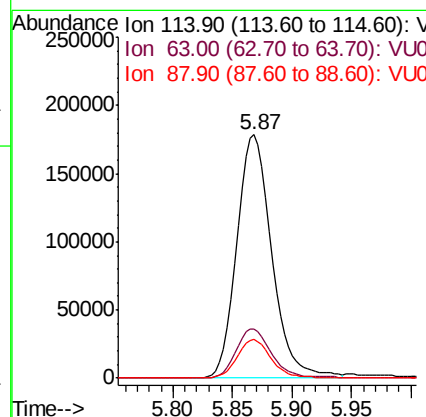
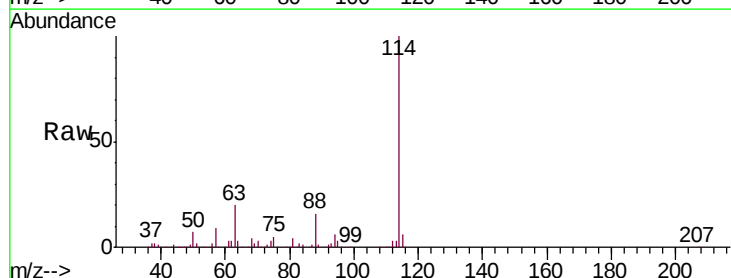
Instrument :
 MSVOA_U
 ClientSampleId :
 T11-B1-(0)

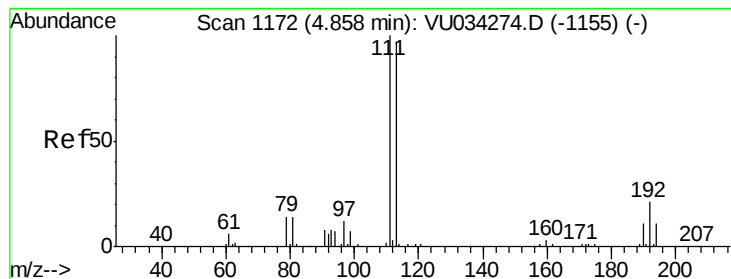
Tgt Ion: 65 Resp: 222617
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 112.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034503.D
 Acq: 12 Sep 2019 02:26

Tgt Ion: 114 Resp: 364675
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 42.4
 88 15.8 0.0 32.4





#35

Dibromofluoromethane

Concen: 57.162 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034503.D

Acq: 12 Sep 2019 02:26

Instrument :

MSVOA_U

ClientSampled :

T11-B1-(0)

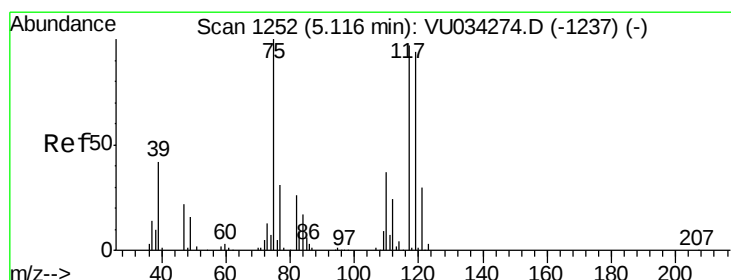
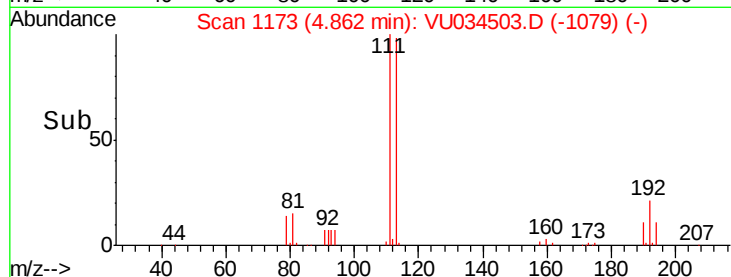
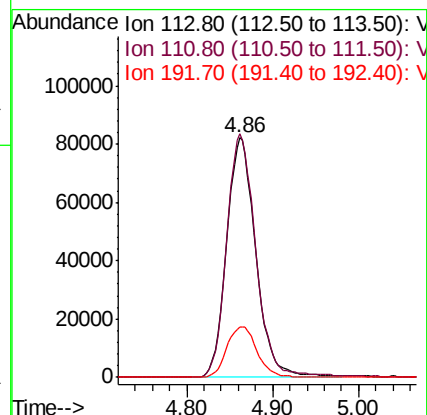
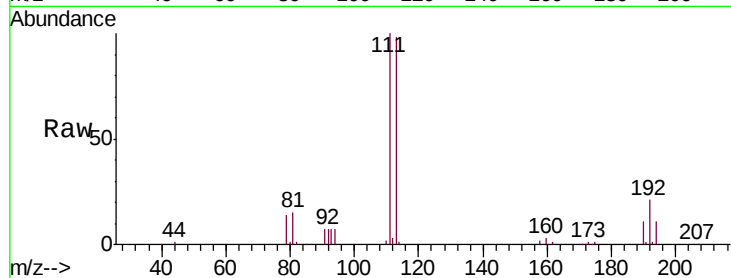
Tgt Ion:113 Resp: 193968

Ion Ratio Lower Upper

113 100

111 100.5 81.5 122.3

192 21.8 17.8 26.8



#36

1,1-Dichloropropene

Concen: 4.085 ug/l

RT: 4.96 min Scan# 1203

Delta R.T. -0.16 min

Lab File: VU034503.D

Acq: 12 Sep 2019 02:26

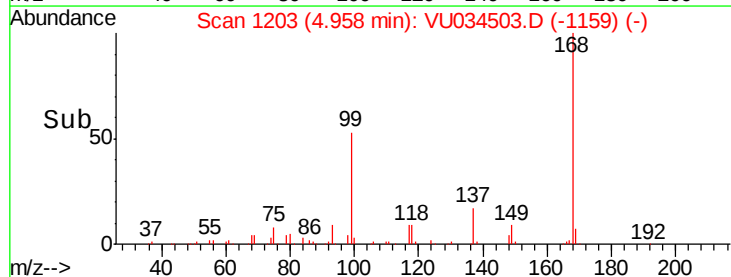
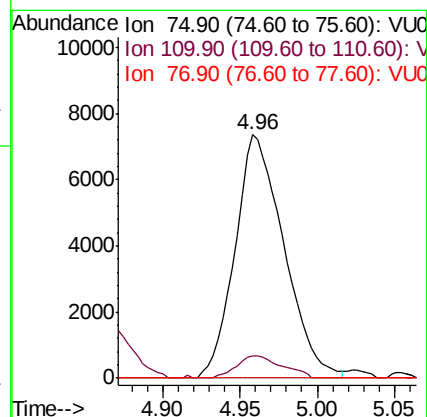
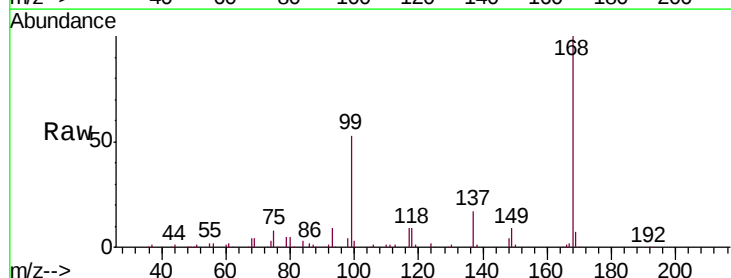
Tgt Ion: 75 Resp: 16156

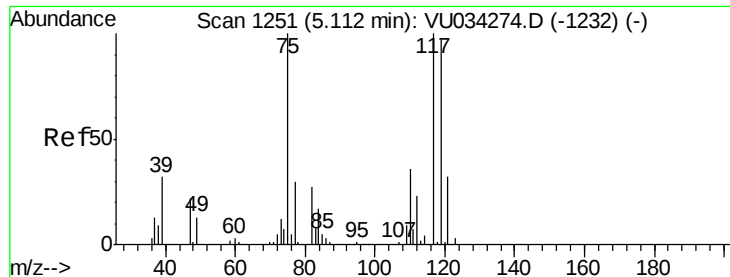
Ion Ratio Lower Upper

75 100

110 8.5 18.3 54.9#

77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 4.941 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. -0.15 min

Lab File: VU034503.D

Acq: 12 Sep 2019 02:26

Instrument :

MSVOA_U

ClientSampleId :

T11-B1-(0)

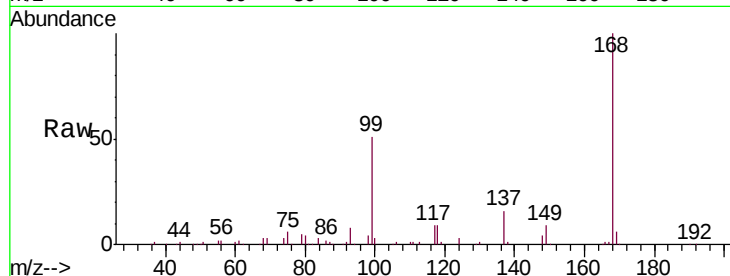
Tgt Ion:117 Resp: 20863

Ion Ratio Lower Upper

117 100

119 5.9 77.8 116.6#

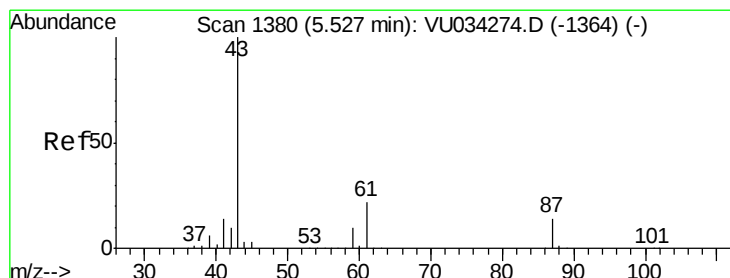
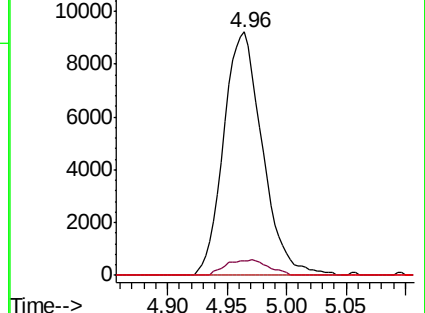
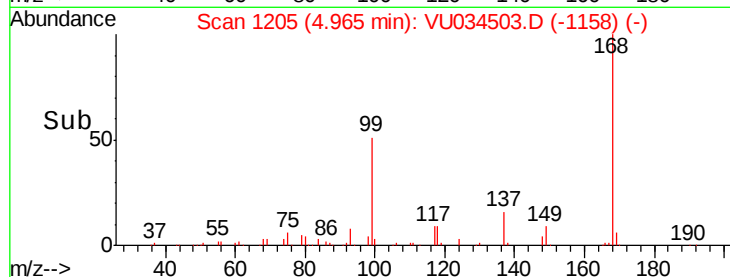
121 0.0 25.2 37.8#



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



#43

Isopropyl Acetate

Concen: 2.573 ug/l

RT: 5.54 min Scan# 1383

Delta R.T. 0.01 min

Lab File: VU034503.D

Acq: 12 Sep 2019 02:26

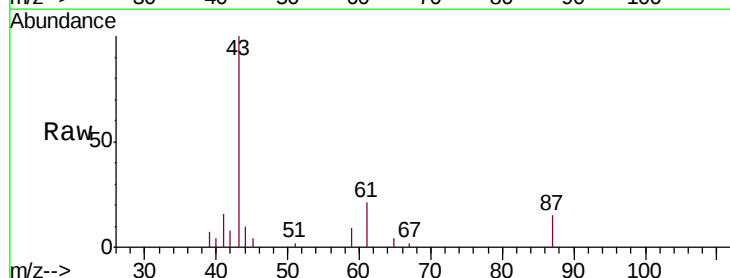
Tgt Ion: 43 Resp: 18772

Ion Ratio Lower Upper

43 100

61 18.2 17.1 25.7

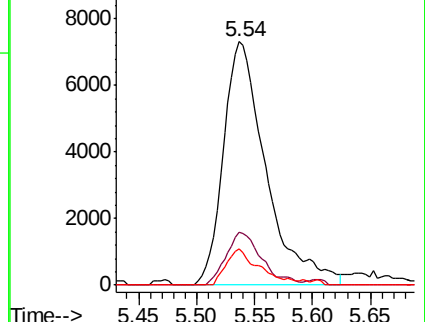
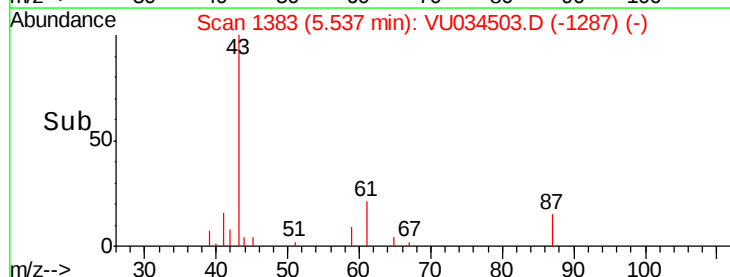
87 12.1 11.1 16.7

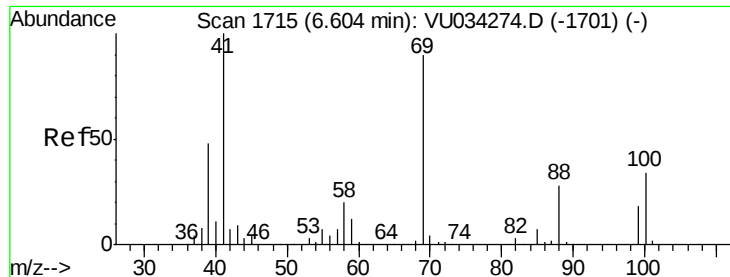


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

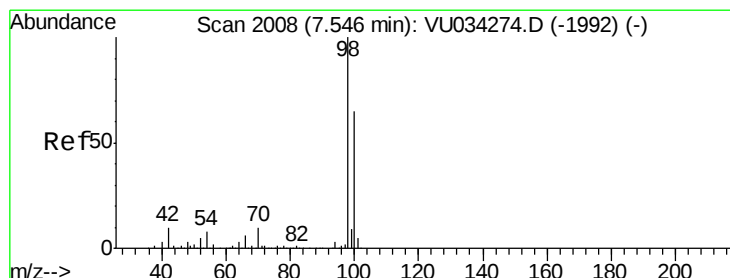
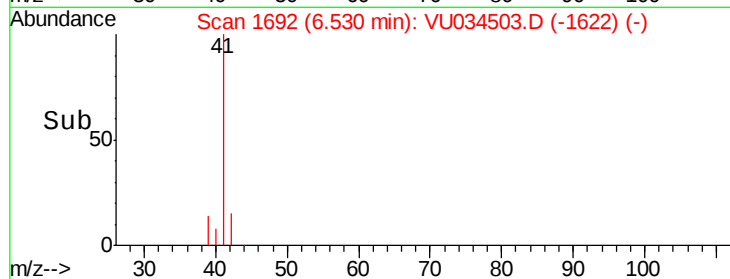
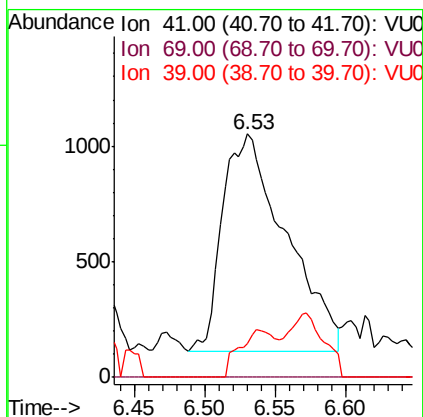
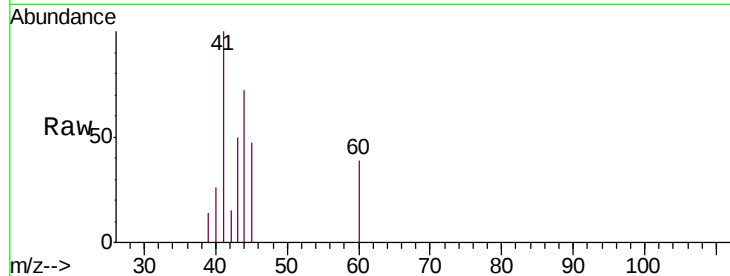




#48
Methyl methacrylate
Concen: 0.847 ug/l
RT: 6.53 min Scan# 1692
Delta R.T. -0.07 min
Lab File: VU034503.D
Acq: 12 Sep 2019 02:26

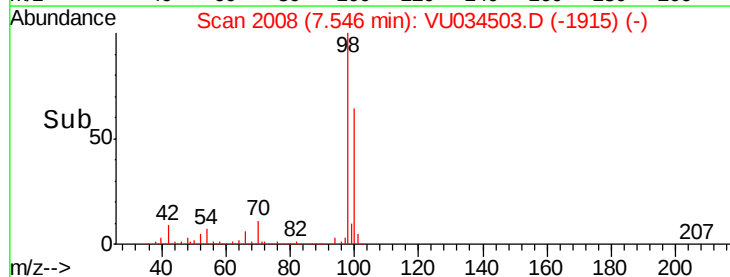
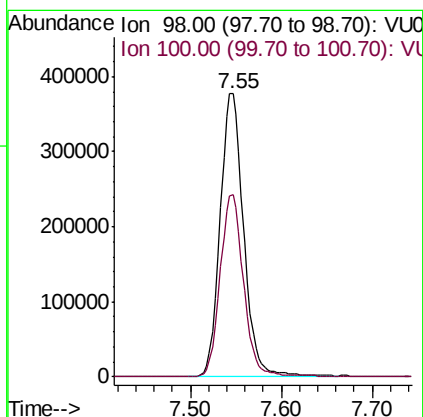
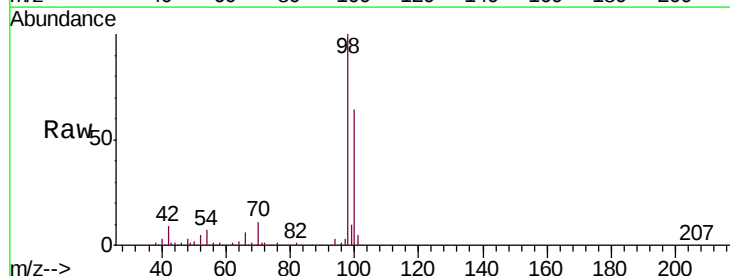
Instrument :
MSVOA_U
ClientSampleId :
T11-B1-(0)

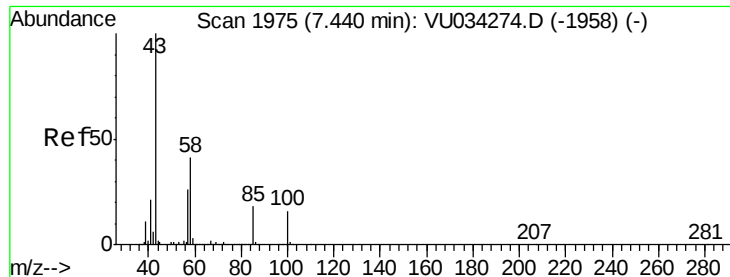
Tgt Ion: 41 Resp: 2934
Ion Ratio Lower Upper
41 100
69 0.0 72.8 109.2#
39 12.6 38.6 58.0#



#50
Toluene-d8
Concen: 53.342 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. -0.00 min
Lab File: VU034503.D
Acq: 12 Sep 2019 02:26

Tgt Ion: 98 Resp: 680042
Ion Ratio Lower Upper
98 100
100 64.3 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 6.594 ug/l

RT: 7.40 min Scan# 1963

Delta R.T. -0.04 min

Lab File: VU034503.D

Acq: 12 Sep 2019 02:26

Instrument :

MSVOA_U

ClientSampleId :

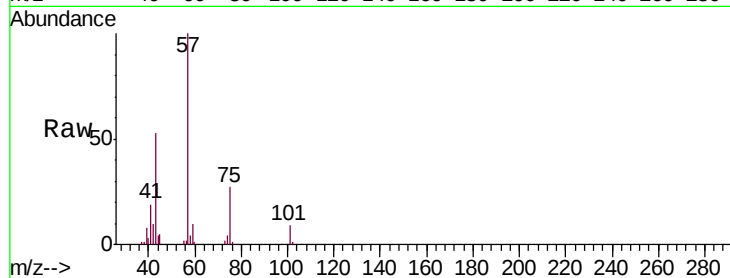
T11-B1-(0)

Tgt Ion: 43 Resp: 33295

Ion Ratio Lower Upper

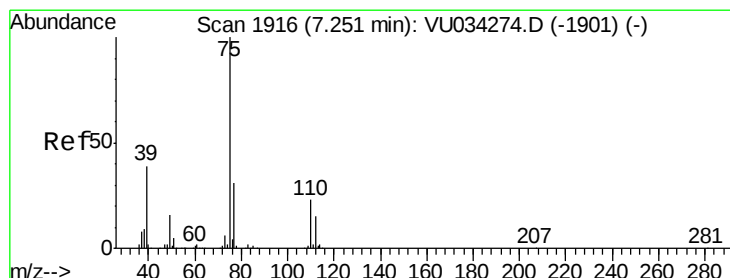
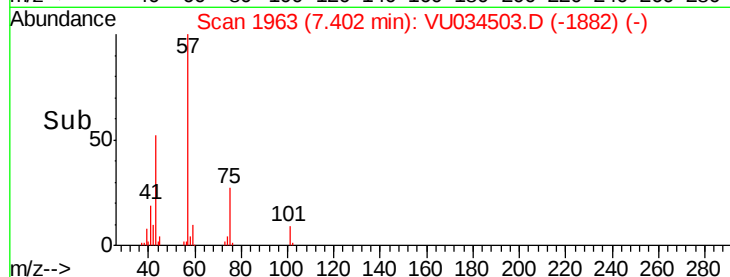
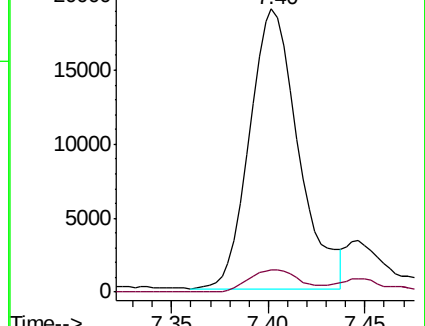
43 100

58 8.4 33.0 49.4#



Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-1958) (-)

Ion 58.00 (57.70 to 58.70): VU034274.D (-1958) (-)



#54

cis-1,3-Dichloropropene

Concen: 3.212 ug/l

RT: 7.40 min Scan# 1963

Delta R.T. 0.15 min

Lab File: VU034503.D

Acq: 12 Sep 2019 02:26

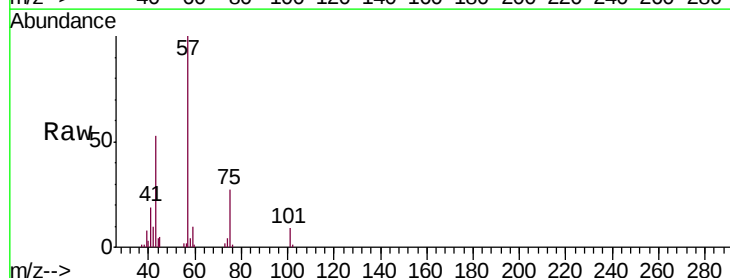
Tgt Ion: 75 Resp: 17617

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

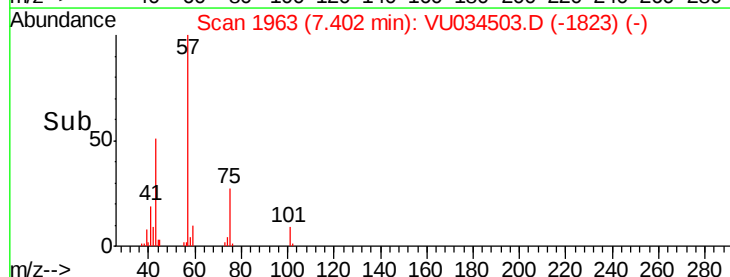
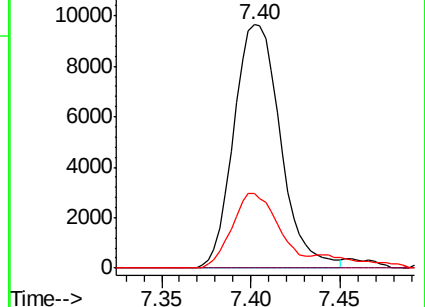
39 30.5 31.2 46.8#

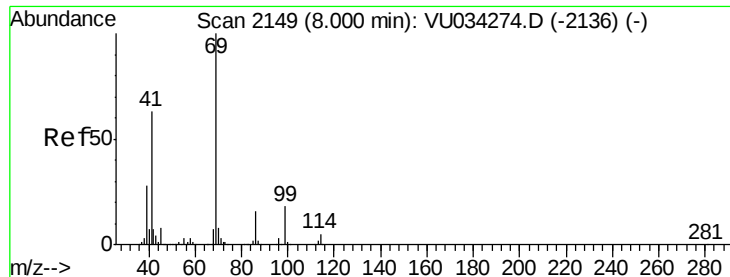


Abundance Ion 74.90 (74.60 to 75.60): VU034274.D (-1901) (-)

Ion 76.90 (76.60 to 77.60): VU034274.D (-1901) (-)

Ion 39.00 (38.70 to 39.70): VU034274.D (-1901) (-)

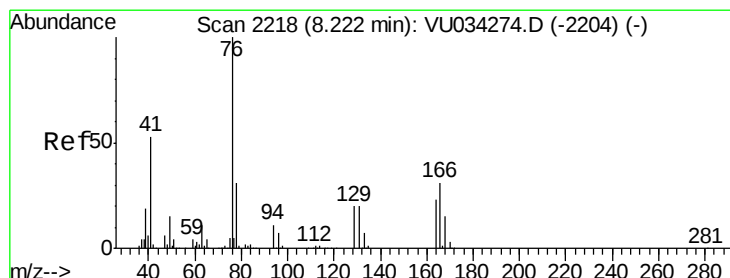
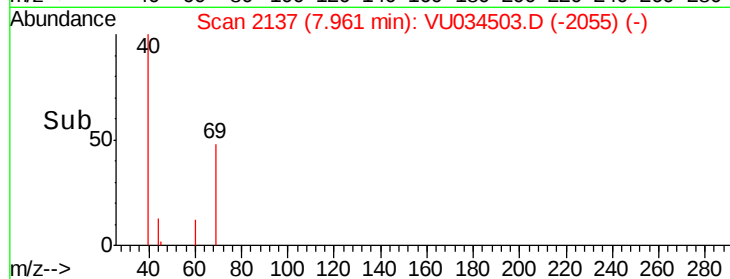
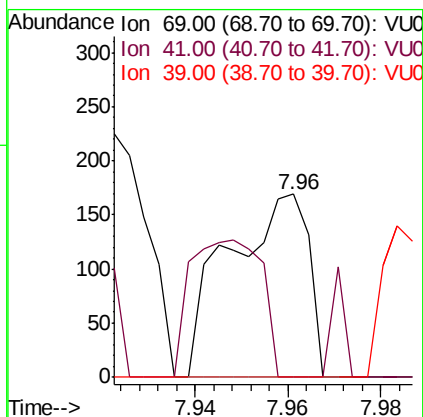
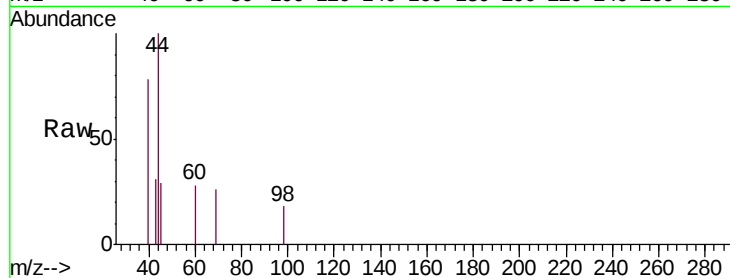




#56
Ethyl methacrylate
Concen: 3.111 ug/l
RT: 7.96 min Scan# 2137
Delta R.T. -0.04 min
Lab File: VU034503.D
Acq: 12 Sep 2019 02:26

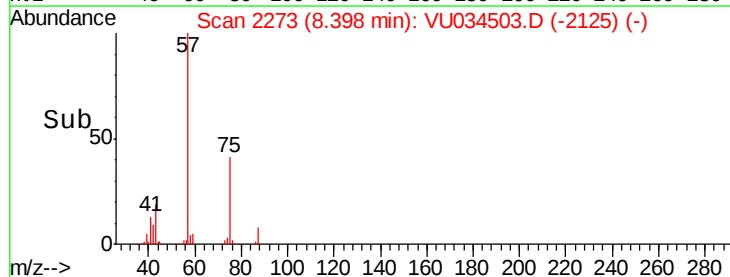
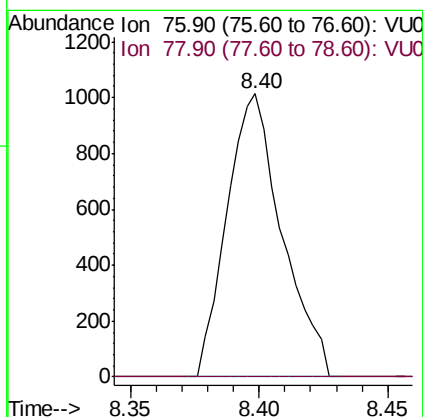
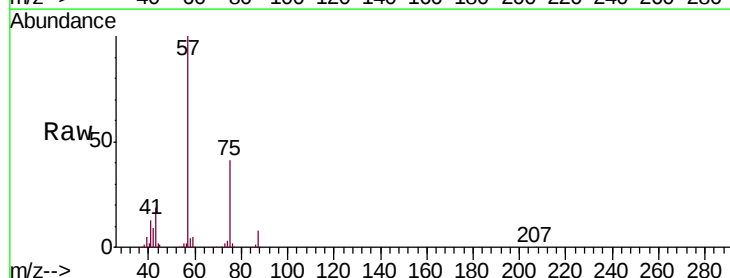
Instrument :
MSVOA_U
ClientSampleId :
T11-B1-(0)

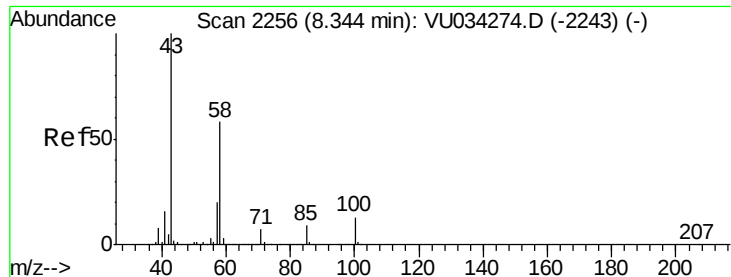
Tgt Ion: 69 Resp: 202
Ion Ratio Lower Upper
69 100
41 0.0 49.5 74.3#
39 0.0 22.5 33.7#



#57
1,3-Dichloropropane
Concen: 0.255 ug/l
RT: 8.40 min Scan# 2273
Delta R.T. 0.18 min
Lab File: VU034503.D
Acq: 12 Sep 2019 02:26

Tgt Ion: 76 Resp: 1510
Ion Ratio Lower Upper
76 100
78 0.0 25.4 38.2#

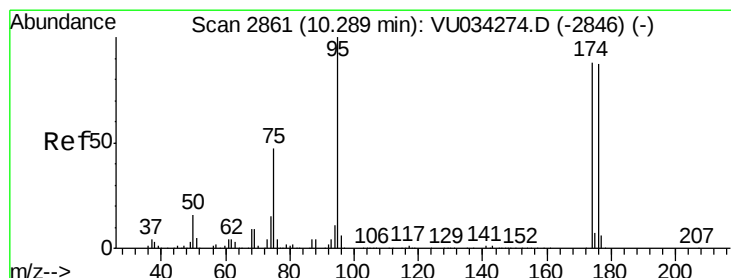
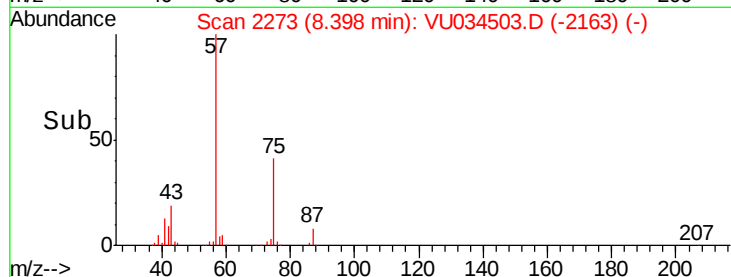
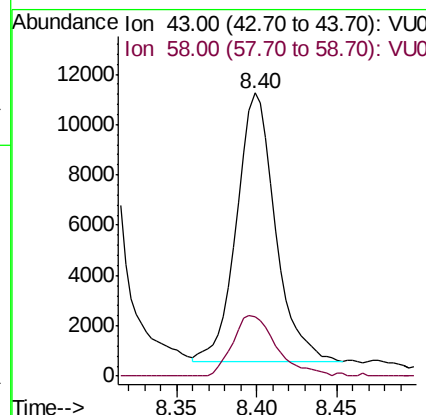
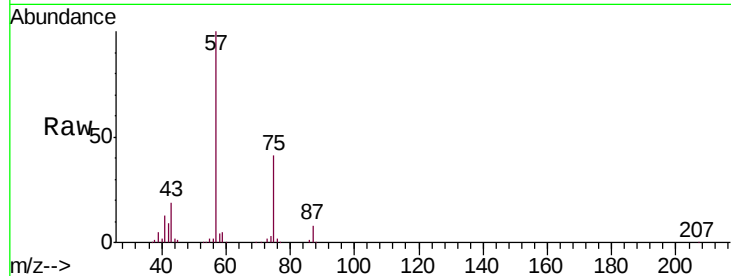




#59
 2-Hexanone
 Concen: 4.645 ug/l
 RT: 8.40 min Scan# 2273
 Delta R.T. 0.05 min
 Lab File: VU034503.D
 Acq: 12 Sep 2019 02:26

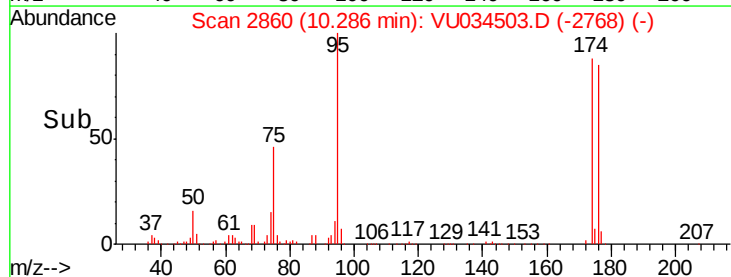
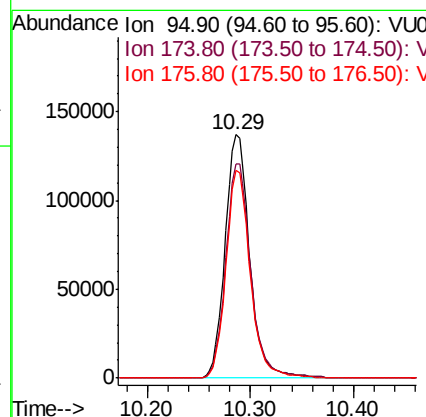
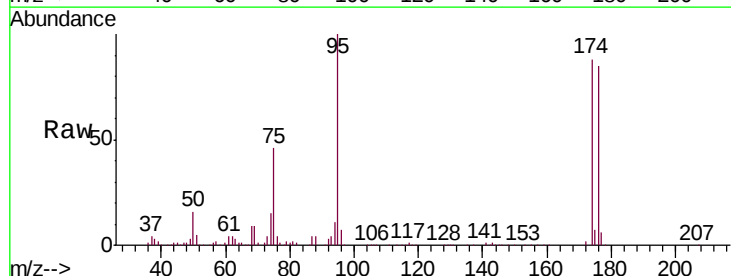
Instrument :
 MSVOA_U
 ClientSampleId :
 T11-B1-(0)

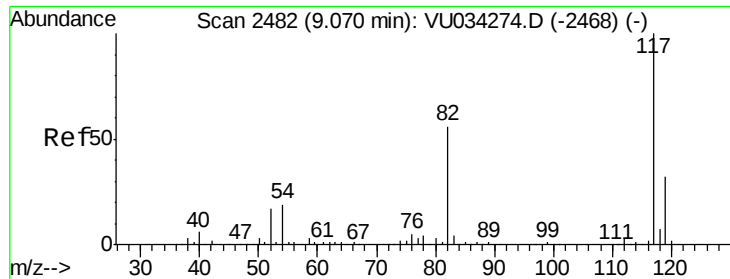
Tgt Ion: 43 Resp: 17523
 Ion Ratio Lower Upper
 43 100
 58 25.7 28.8 86.5#



#62
 4-Bromofluorobenzene
 Concen: 46.299 ug/l
 RT: 10.29 min Scan# 2860
 Delta R.T. -0.00 min
 Lab File: VU034503.D
 Acq: 12 Sep 2019 02:26

Tgt Ion: 95 Resp: 227894
 Ion Ratio Lower Upper
 95 100
 174 90.1 0.0 175.2
 176 84.5 0.0 168.0

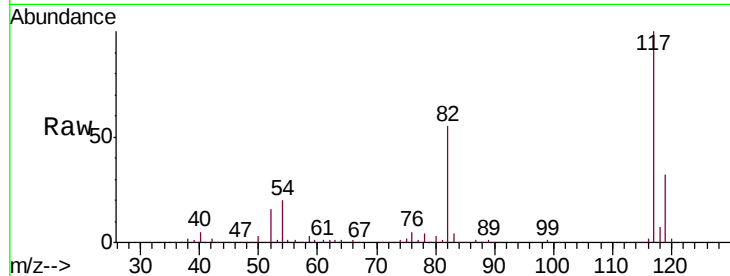




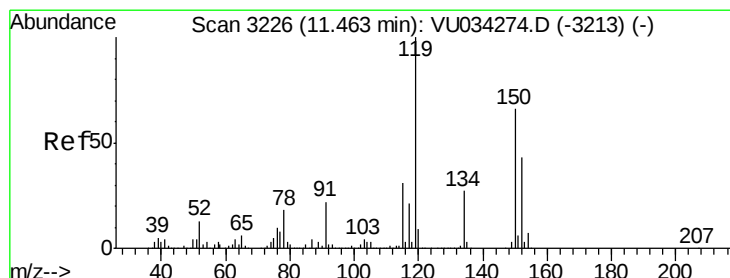
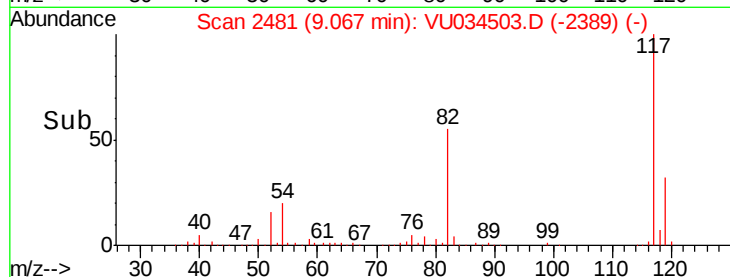
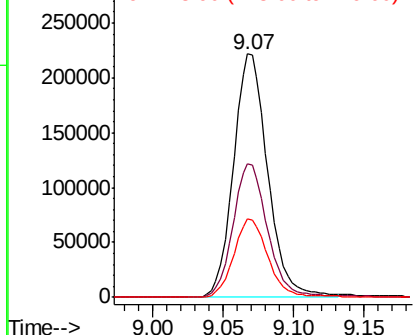
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2481
Delta R.T. -0.00 min
Lab File: VU034503.D
Acq: 12 Sep 2019 02:26

Instrument :
MSVOA_U
ClientSampleId :
T11-B1-(0)

Tgt Ion:117 Resp: 377755
Ion Ratio Lower Upper
117 100
82 55.0 44.6 67.0
119 32.0 25.9 38.9

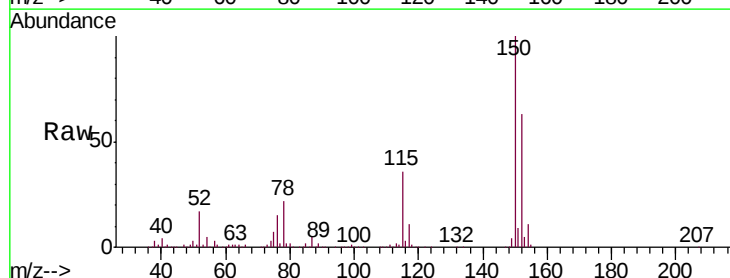


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

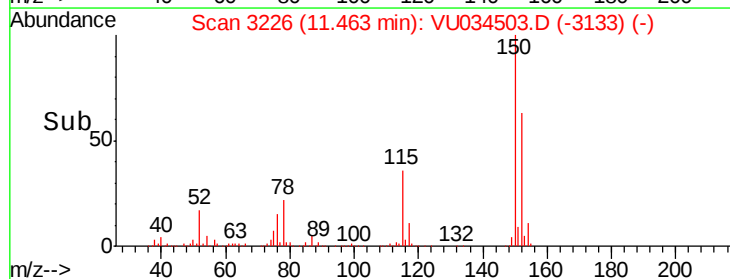
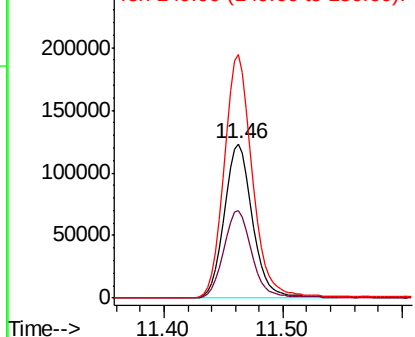


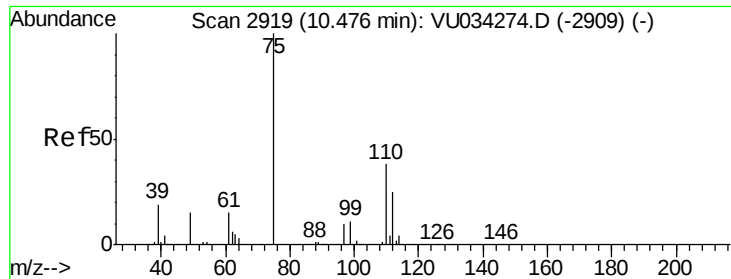
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VU034503.D
Acq: 12 Sep 2019 02:26

Tgt Ion:152 Resp: 203592
Ion Ratio Lower Upper
152 100
115 56.4 39.1 117.3
150 157.5 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: 23.488 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.19 min

Lab File: VU034503.D

Acq: 12 Sep 2019 02:26

Instrument :

MSVOA_U

ClientSampleId :

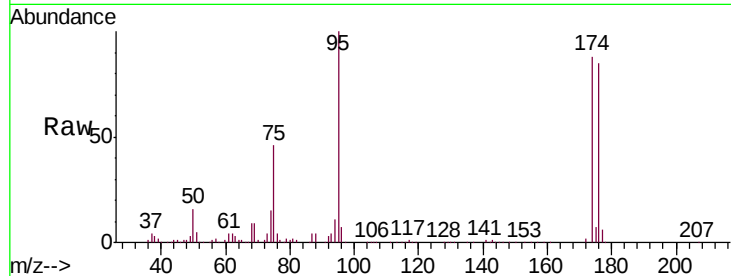
T11-B1-(0)

Tgt Ion: 75 Resp: 104383

Ion Ratio Lower Upper

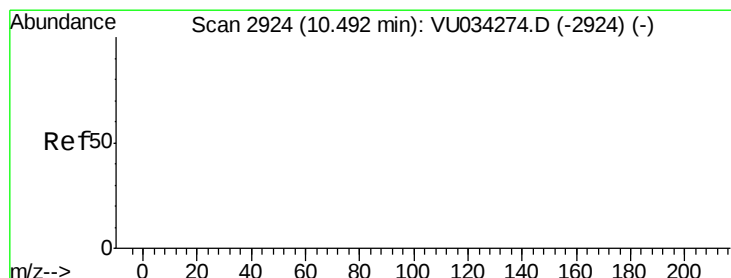
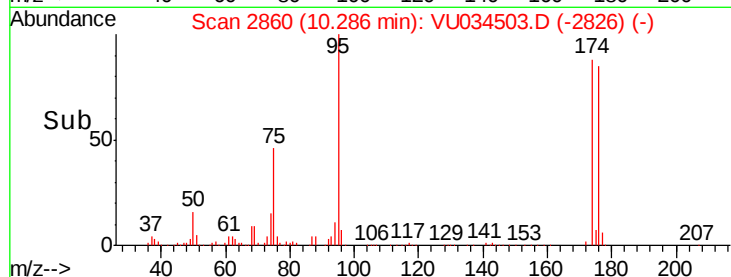
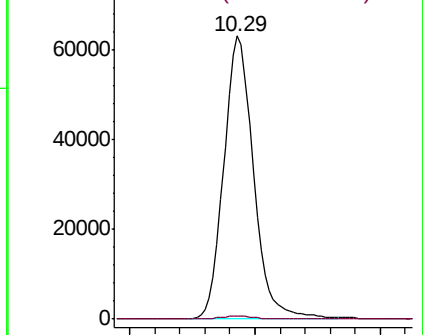
75 100

77 1.2 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: 78.989 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.21 min

Lab File: VU034503.D

Acq: 12 Sep 2019 02:26

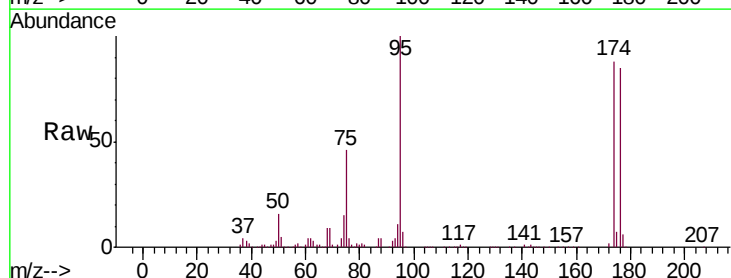
Tgt Ion: 75 Resp: 104383

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

