

Data File : VU034502.D
Acq On : 12 Sep 2019 02:03
Operator : JC/SP
Sample : K4643-24
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
T11-B3-(0)

Quant Time: Sep 12 04:49:12 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	241469	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	362174	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	391820	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	215076	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	222123	60.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.60%	
35) Dibromofluoromethane	4.86	113	189168	56.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.26%	
50) Toluene-d8	7.54	98	701471	55.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.80%	
62) 4-Bromofluorobenzene	10.29	95	236859	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	

Target Compounds

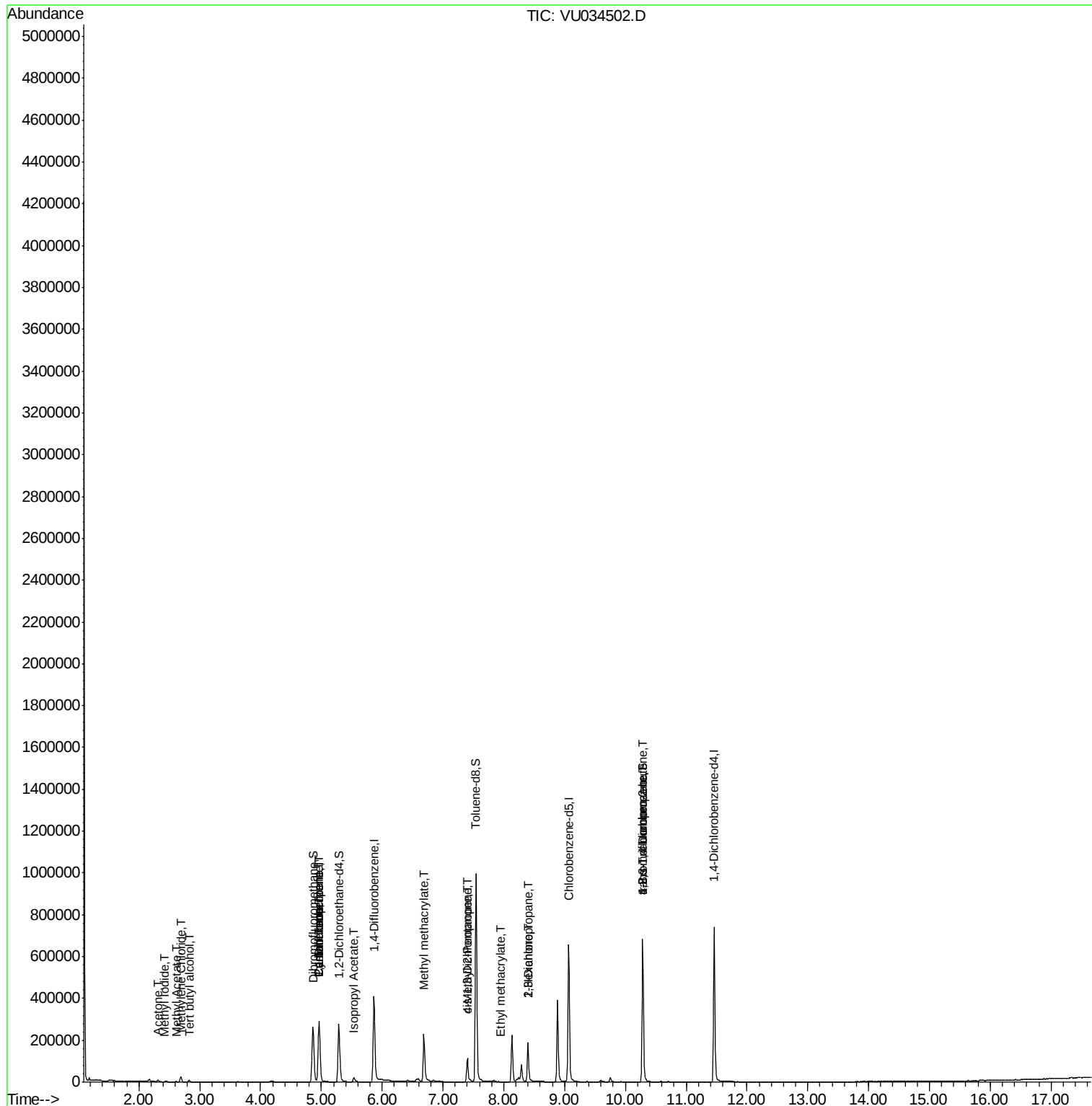
						Qvalue
3) Chloromethane	1.33	50	215	Below Cal	#	41
5) Bromomethane	1.63	94	543	Below Cal	#	77
6) Chloroethane	1.72	64	63	Below Cal	#	43
10) Methyl Iodide	2.41	142	95	3.881	ug/l #	43
11) Tert butyl alcohol	2.83	59	3979	5.155	ug/l #	73
16) Acetone	2.31	43	9636	5.097	ug/l	98
18) Methyl Acetate	2.62	43	2408	0.523	ug/l	97
20) Methylene Chloride	2.69	84	10938	3.158	ug/l	96
31) Cyclohexane	4.96	56	4104	0.959	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	16144	4.110	ug/l #	49
38) Carbon Tetrachloride	4.96	117	21881	5.217	ug/l #	16
43) Isopropyl Acetate	5.54	43	26441	3.650	ug/l	99
48) Methyl methacrylate	6.69	41	22259	6.469	ug/l #	36
51) 4-Methyl-2-Pentanone	7.40	43	38940	7.765	ug/l #	46
54) cis-1,3-Dichloropropene	7.40	75	21074	3.869	ug/l #	67
56) Ethyl methacrylate	7.95	69	79	3.090	ug/l #	28
57) 1,3-Dichloropropane	8.40	76	2073	0.353	ug/l #	43
59) 2-Hexanone	8.40	43	25153	6.714	ug/l #	55
76) 1,2,3-Trichloropropane	10.29	75	110753	23.591	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.29	75	110753	79.335	ug/l #	100

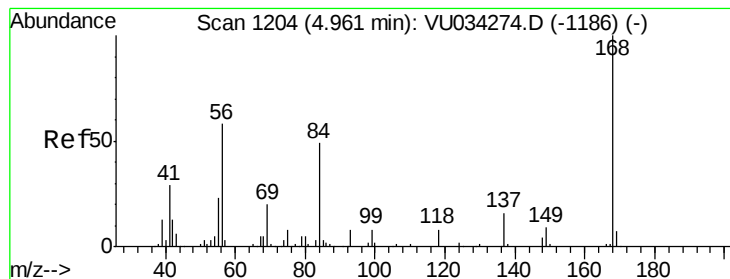
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU034502.D
Acq On : 12 Sep 2019 02:03
Operator : JC/SP
Sample : K4643-24
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
T11-B3-(0)

Quant Time: Sep 12 04:49:12 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VU034502.D

Acq: 12 Sep 2019 02:03

Instrument :

MSVOA_U

ClientSampleId :

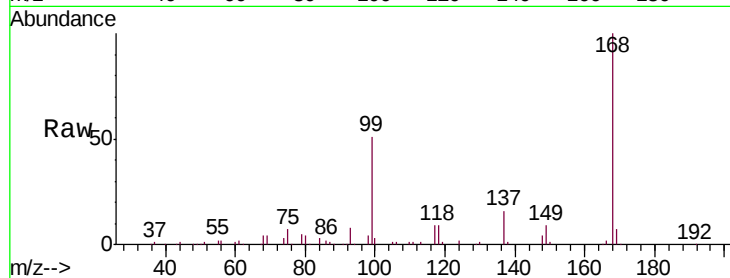
T11-B3-(0)

Tgt Ion:168 Resp: 241469

Ion Ratio Lower Upper

168 100

99 51.1 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): VU034502.D (-1111) (-)

Ion 98.90 (98.60 to 99.60): VU034502.D (-1111) (-)

4.96

120000

100000

80000

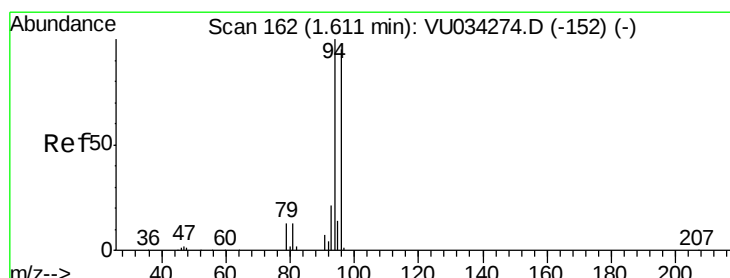
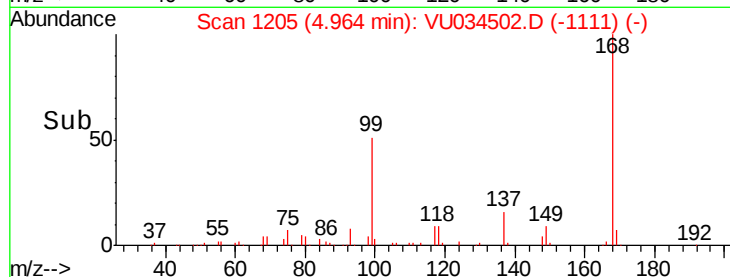
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 167

Delta R.T. 0.02 min

Lab File: VU034502.D

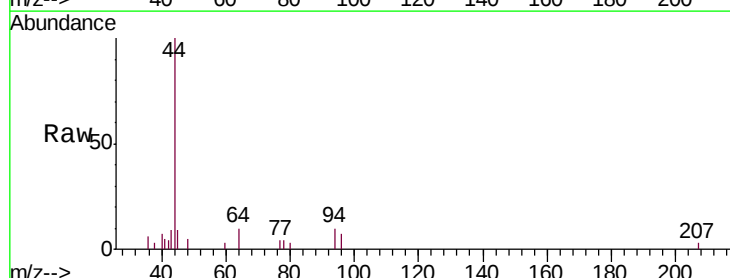
Acq: 12 Sep 2019 02:03

Tgt Ion: 94 Resp: 543

Ion Ratio Lower Upper

94 100

96 72.7 75.7 113.5#



Abundance Ion 93.90 (93.60 to 94.60): VU034502.D (-68) (-)

Ion 95.90 (95.60 to 96.60): VU034502.D (-68) (-)

1.63

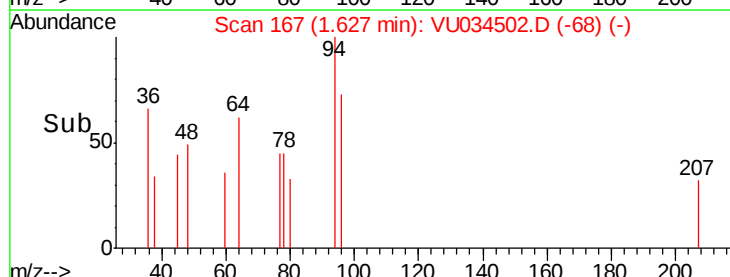
300

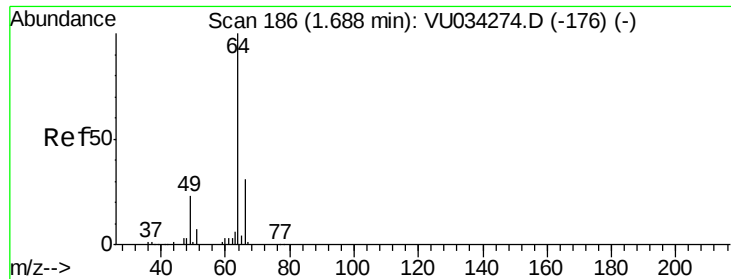
200

100

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 196

Delta R.T. 0.03 min

Lab File: VU034502.D

Acq: 12 Sep 2019 02:03

Instrument :

MSVOA_U

ClientSampleId :

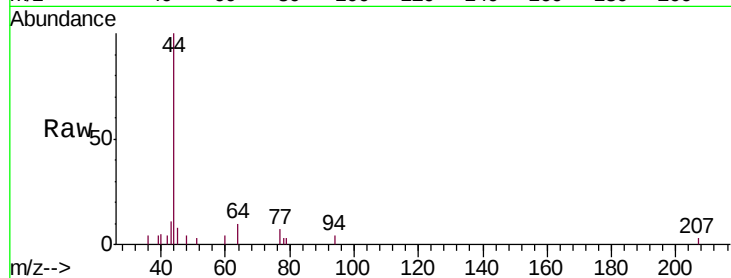
T11-B3-(0)

Tgt Ion: 64 Resp: 63

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#

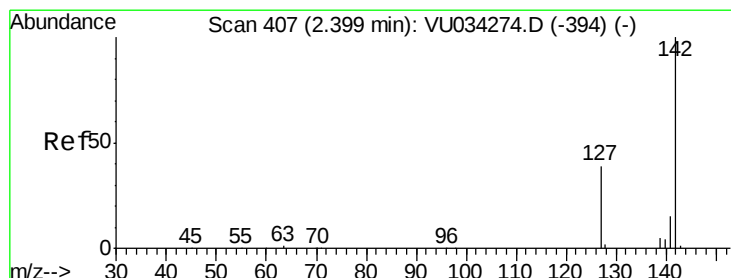
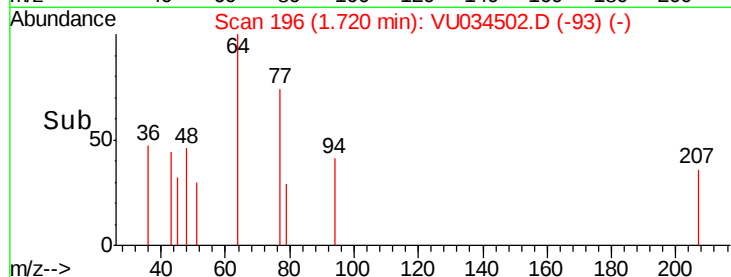


Abundance Ion 63.90 (63.60 to 64.60): VU034274.D (-176) (-)

Ion 65.90 (65.60 to 66.60): VU034274.D (-176) (-)

1.72

Time-->



#10

Methyl Iodide

Concen: 3.881 ug/l

RT: 2.41 min Scan# 411

Delta R.T. 0.01 min

Lab File: VU034502.D

Acq: 12 Sep 2019 02:03

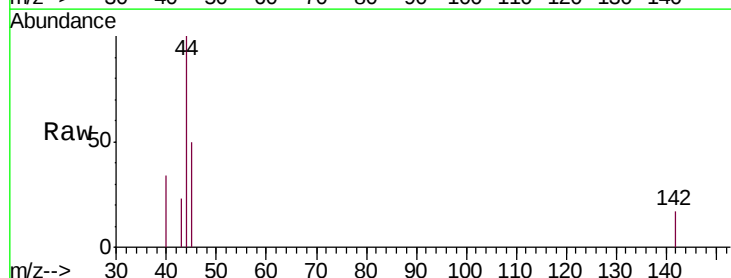
Tgt Ion: 142 Resp: 95

Ion Ratio Lower Upper

142 100

127 0.0 32.1 48.1#

141 0.0 11.5 17.3#



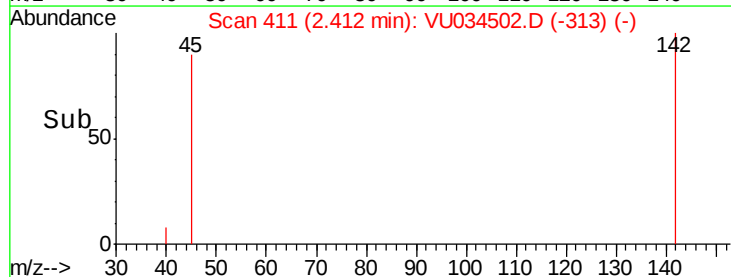
Abundance Ion 141.80 (141.50 to 142.50): VU034274.D (-394) (-)

Ion 126.80 (126.50 to 127.50): VU034274.D (-394) (-)

Ion 140.80 (140.50 to 141.50): VU034274.D (-394) (-)

2.41

Time-->





#11

Tert butyl alcohol

Concen: 5.155 ug/l

RT: 2.83 min Scan# 540

Delta R.T. 0.01 min

Lab File: VU034502.D

Acq: 12 Sep 2019 02:03

Instrument :

MSVOA_U

ClientSampleId :

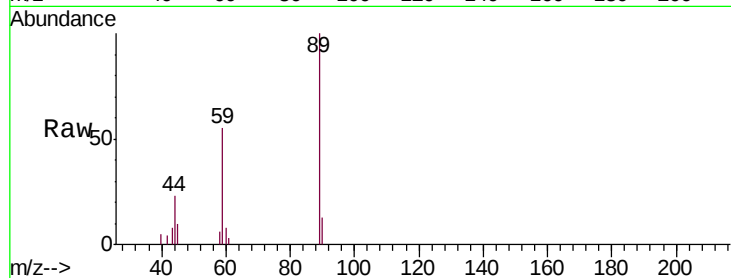
T11-B3-(0)

Tgt Ion: 59 Resp: 3979

Ion Ratio Lower Upper

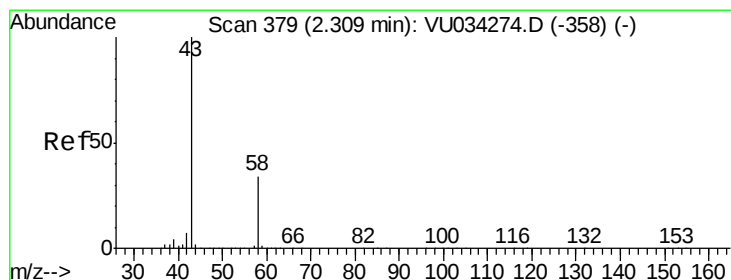
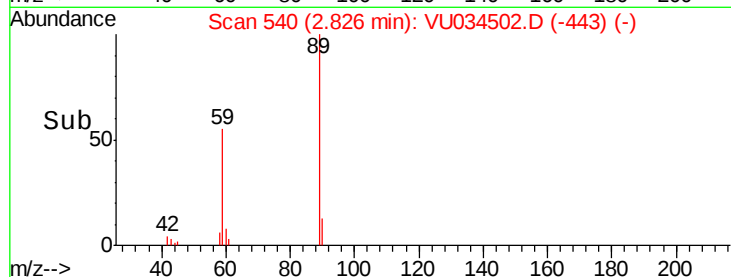
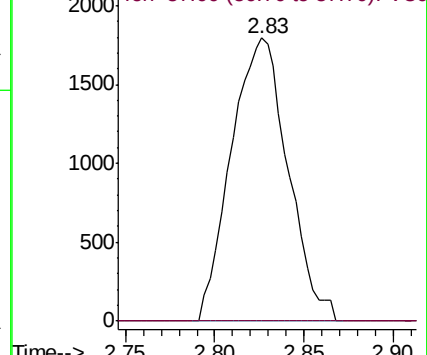
59 100

57 0.0 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VU034502.D (-443) (-)

Ion 57.00 (56.70 to 57.70): VU034502.D (-443) (-)



#16

Acetone

Concen: 5.097 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034502.D

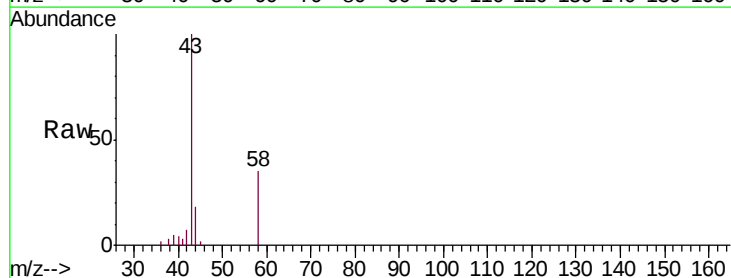
Acq: 12 Sep 2019 02:03

Tgt Ion: 43 Resp: 9636

Ion Ratio Lower Upper

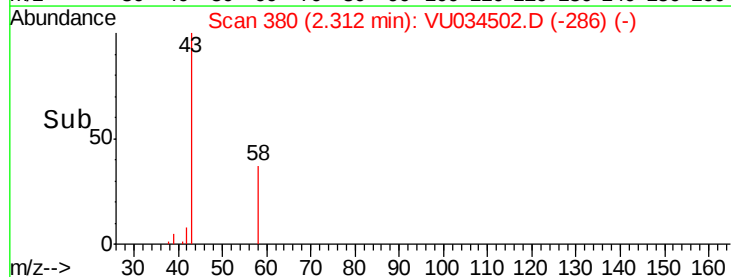
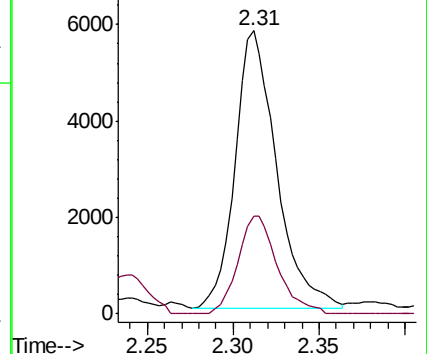
43 100

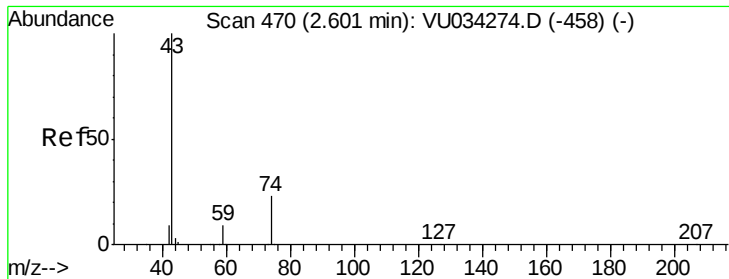
58 35.4 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VU034502.D (-286) (-)

Ion 58.00 (57.70 to 58.70): VU034502.D (-286) (-)

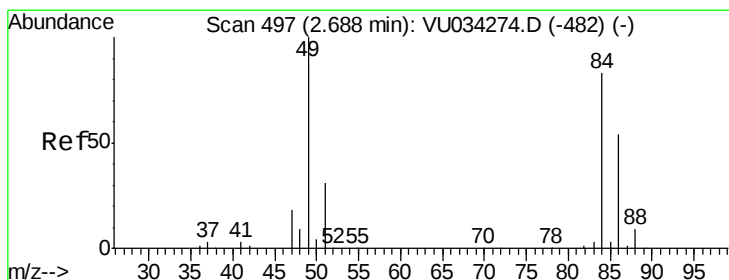
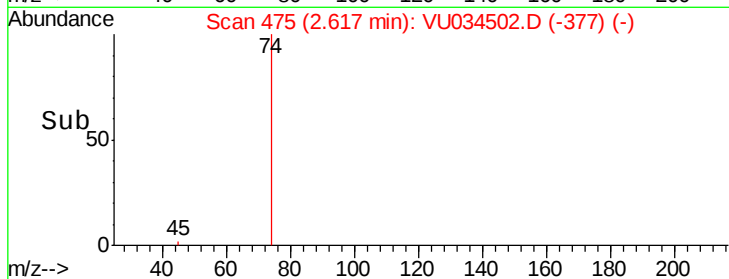
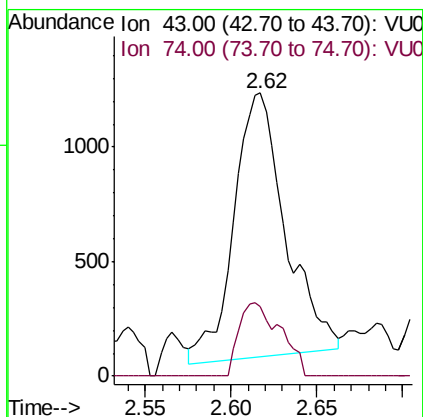
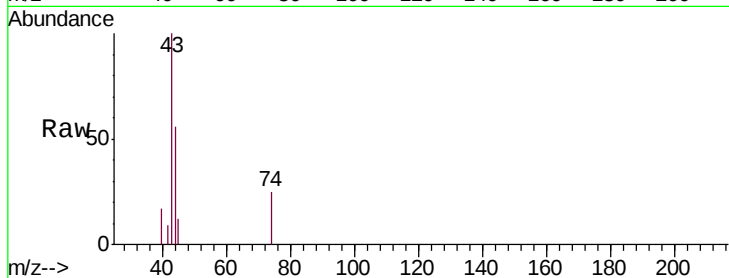




#18
Methyl Acetate
Concen: 0.523 ug/l
RT: 2.62 min Scan# 475
Delta R.T. 0.02 min
Lab File: VU034502.D
Acq: 12 Sep 2019 02:03

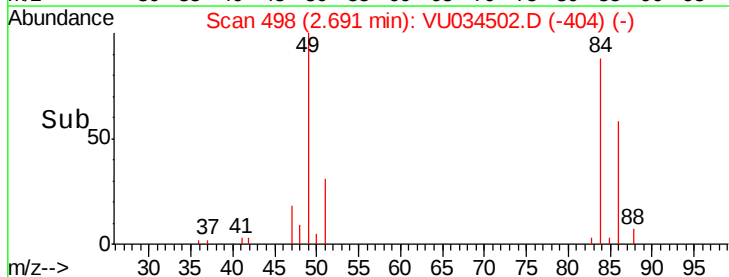
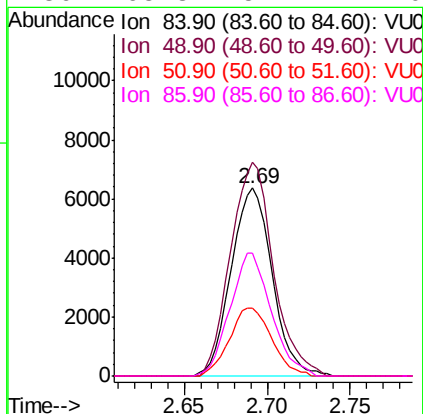
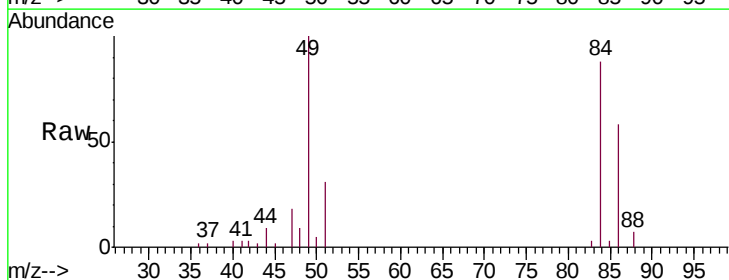
Instrument :
MSVOA_U
ClientSampleId :
T11-B3-(0)

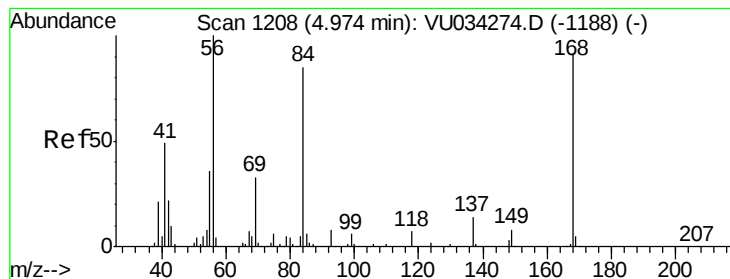
Tgt Ion: 43 Resp: 2408
Ion Ratio Lower Upper
43 100
74 22.3 18.9 28.3



#20
Methylene Chloride
Concen: 3.158 ug/l
RT: 2.69 min Scan# 498
Delta R.T. 0.00 min
Lab File: VU034502.D
Acq: 12 Sep 2019 02:03

Tgt Ion: 84 Resp: 10938
Ion Ratio Lower Upper
84 100
49 113.6 96.0 144.0
51 35.8 30.0 45.0
86 65.3 51.4 77.0





#31

Cyclohexane

Concen: 0.959 ug/l

RT: 4.96 min Scan# 1203

Delta R.T. -0.02 min

Lab File: VU034502.D

Acq: 12 Sep 2019 02:03

Instrument :

MSVOA_U

ClientSampleId :

T11-B3-(0)

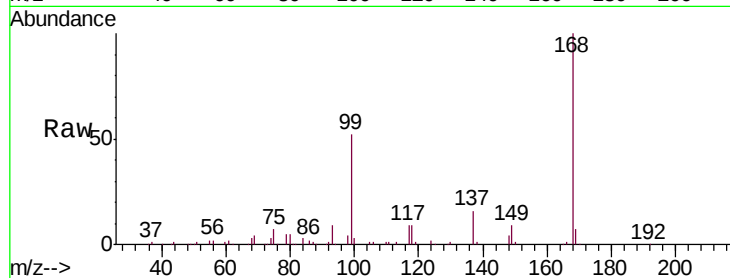
Tgt Ion: 56 Resp: 4104

Ion Ratio Lower Upper

56 100

69 223.7 26.7 40.1#

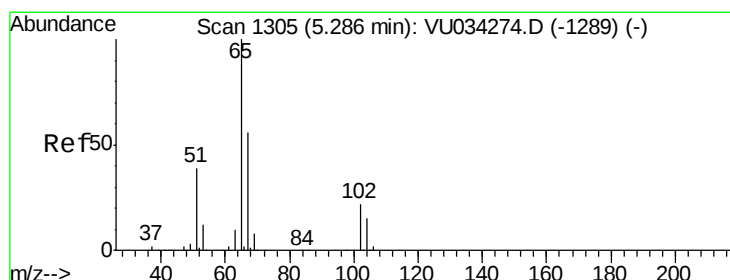
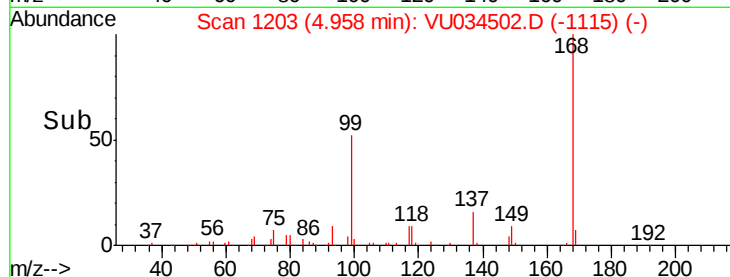
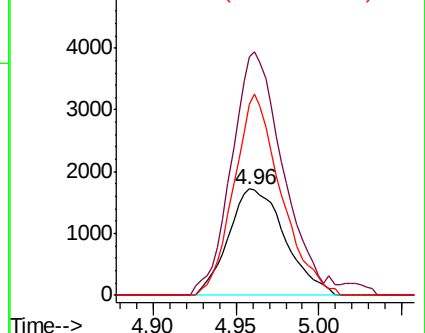
84 178.8 68.2 102.4#



Abundance Ion 56.00 (55.70 to 56.70): VU034502.D (-1188) (-)

Ion 69.00 (68.70 to 69.70): VU034502.D (-1188) (-)

Ion 84.00 (83.70 to 84.70): VU034502.D (-1188) (-)



#33

1,2-Dichloroethane-d4

Concen: 60.797 ug/l

RT: 5.29 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU034502.D

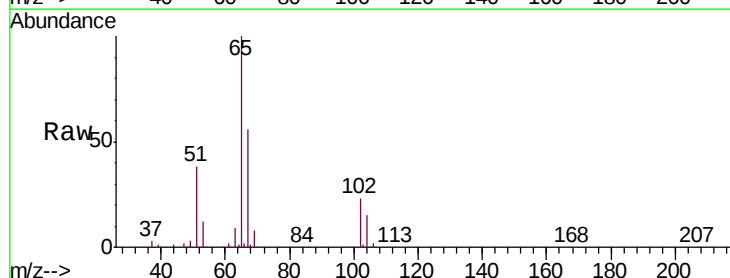
Acq: 12 Sep 2019 02:03

Tgt Ion: 65 Resp: 222123

Ion Ratio Lower Upper

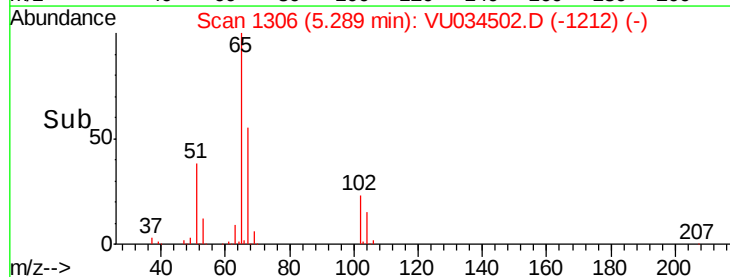
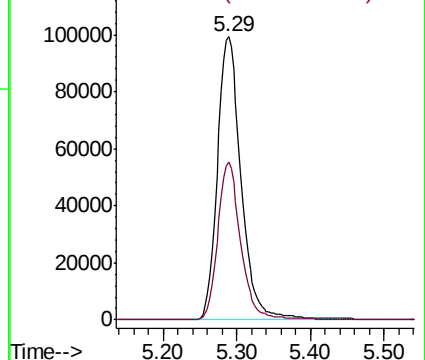
65 100

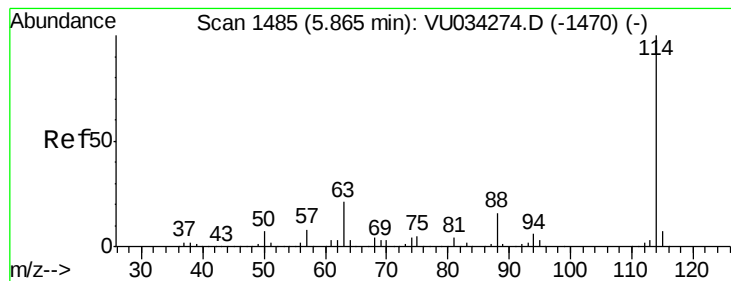
67 53.4 0.0 112.4



Abundance Ion 64.90 (64.60 to 65.60): VU034502.D (-1212) (-)

Ion 66.90 (66.60 to 67.60): VU034502.D (-1212) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.87 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VU034502.D

Acq: 12 Sep 2019 02:03

Instrument :

MSVOA_U

ClientSampleId :

T11-B3-(0)

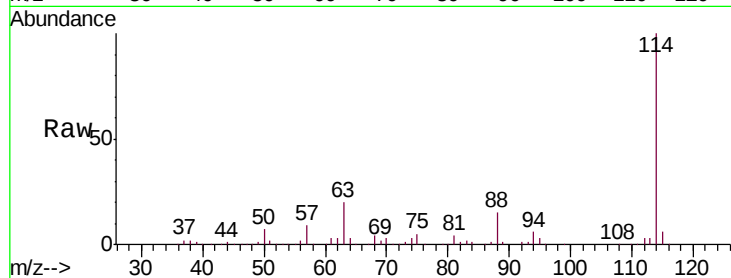
Tgt Ion:114 Resp: 362174

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.4

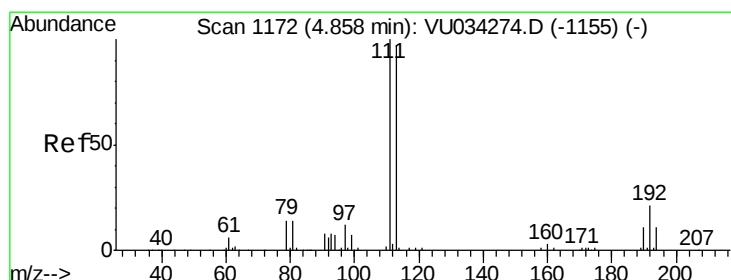
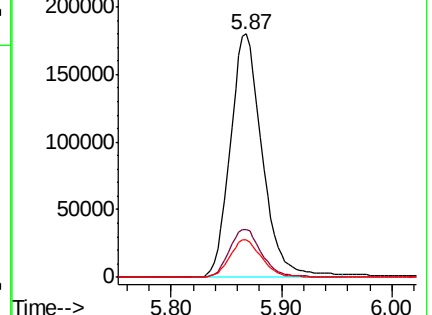
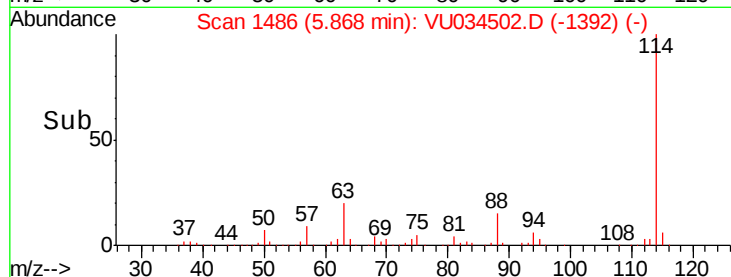
88 15.3 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 56.132 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034502.D

Acq: 12 Sep 2019 02:03

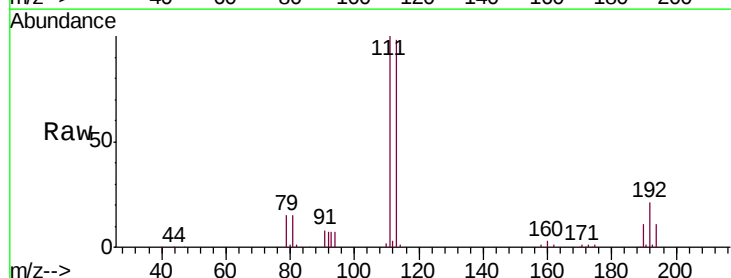
Tgt Ion:113 Resp: 189168

Ion Ratio Lower Upper

113 100

111 102.0 81.5 122.3

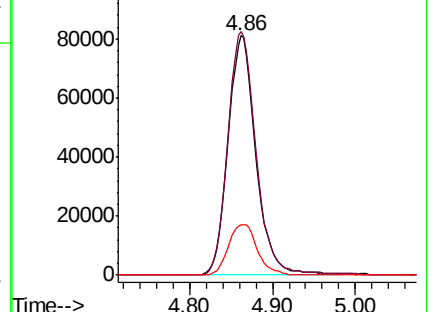
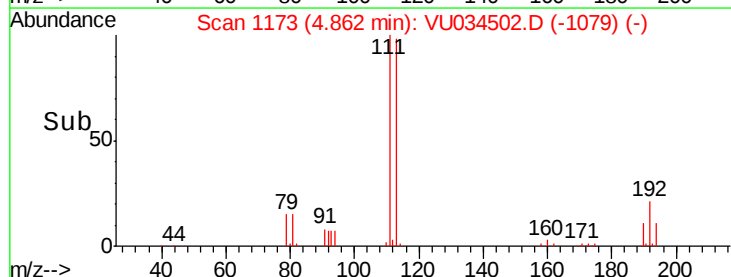
192 22.0 17.8 26.8

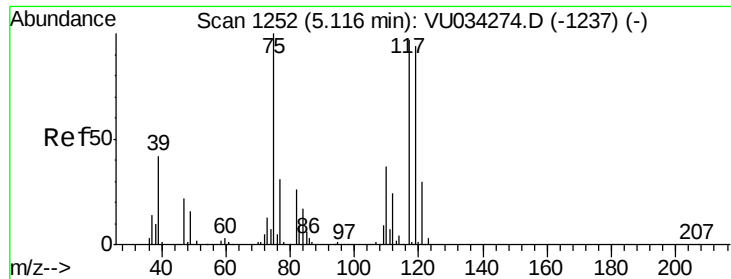


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.110 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. -0.15 min

Lab File: VU034502.D

Acq: 12 Sep 2019 02:03

Instrument :

MSVOA_U

ClientSampleId :

T11-B3-(0)

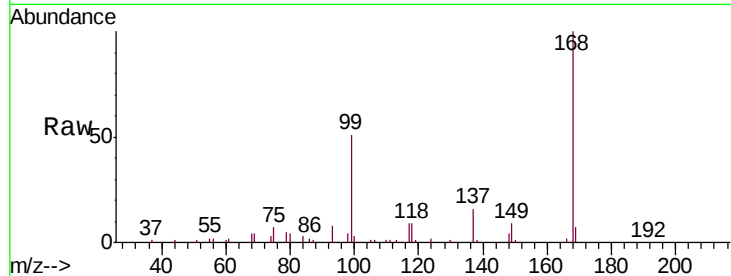
Tgt Ion: 75 Resp: 16144

Ion Ratio Lower Upper

75 100

110 8.8 18.3 54.9#

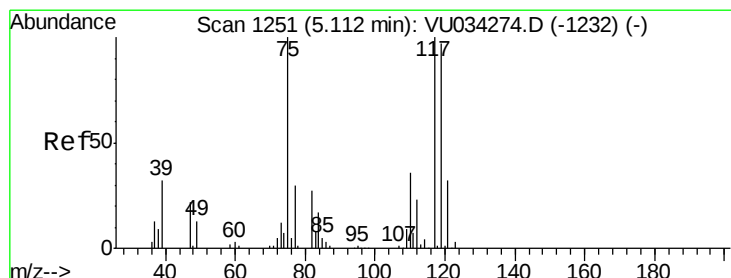
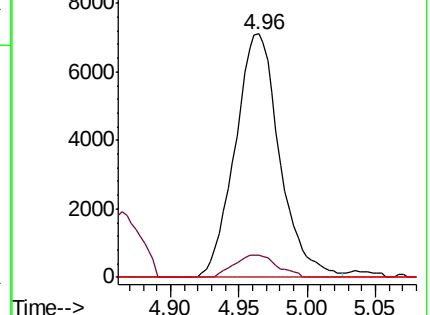
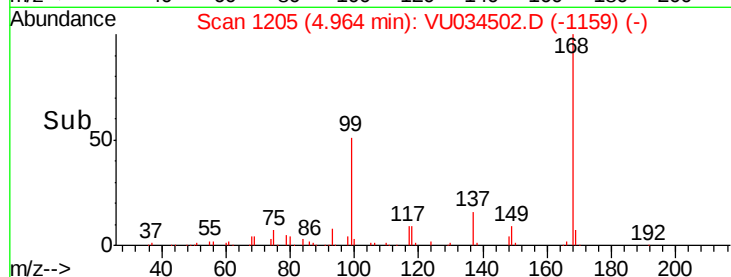
77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VU034502.D (-1159) (-)

Ion 109.90 (109.60 to 110.60): VU034502.D (-1159) (-)

Ion 76.90 (76.60 to 77.60): VU034502.D (-1159) (-)



#38

Carbon Tetrachloride

Concen: 5.217 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. -0.15 min

Lab File: VU034502.D

Acq: 12 Sep 2019 02:03

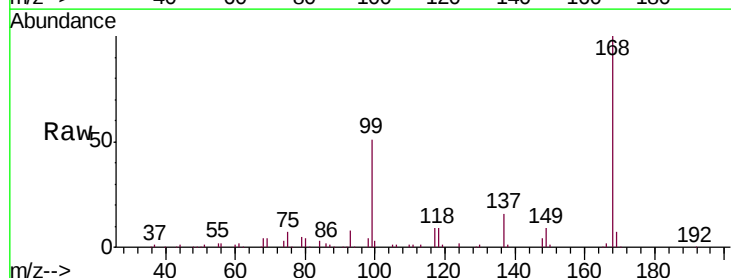
Tgt Ion: 117 Resp: 21881

Ion Ratio Lower Upper

117 100

119 6.1 77.8 116.6#

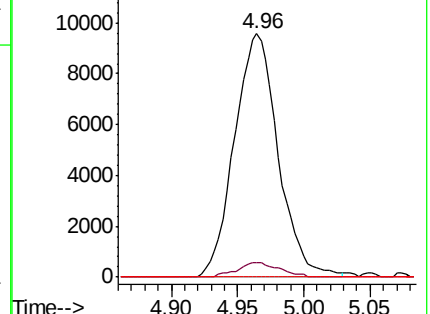
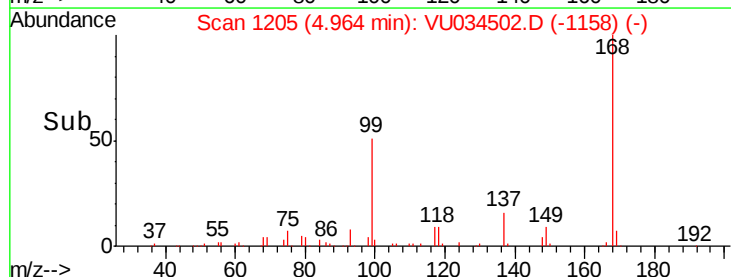
121 0.0 25.2 37.8#

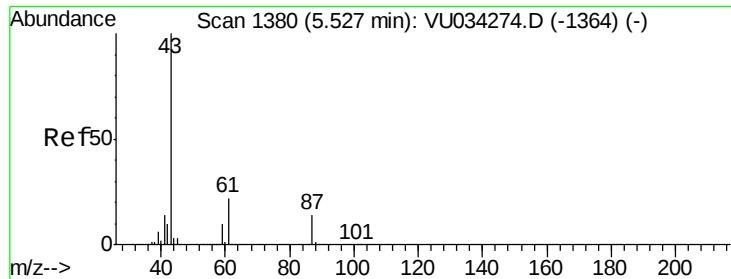


Abundance Ion 116.80 (116.50 to 117.50): VU034502.D (-1158) (-)

Ion 118.80 (118.50 to 119.50): VU034502.D (-1158) (-)

Ion 120.80 (120.50 to 121.50): VU034502.D (-1158) (-)





#43

Isopropyl Acetate

Concen: 3.650 ug/l

RT: 5.54 min Scan# 1384

Delta R.T. 0.01 min

Lab File: VU034502.D

Acq: 12 Sep 2019 02:03

Instrument :

MSVOA_U

ClientSampleId :

T11-B3-(0)

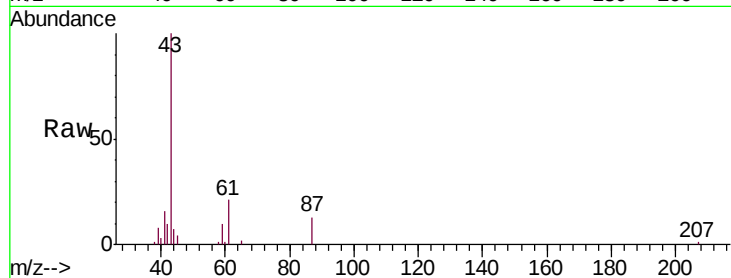
Tgt Ion: 43 Resp: 26441

Ion Ratio Lower Upper

43 100

61 20.6 17.1 25.7

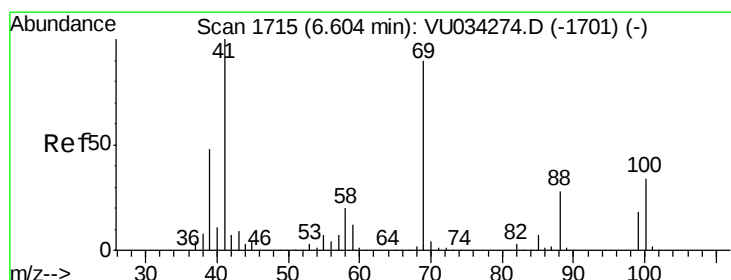
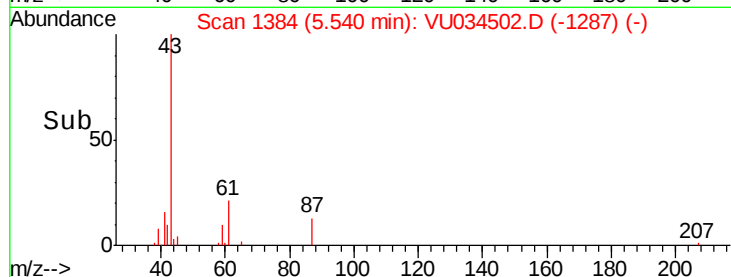
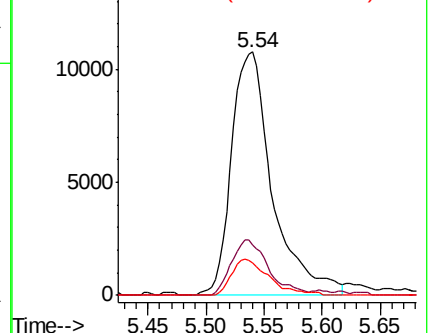
87 13.7 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-1364) (-)

Ion 61.00 (60.70 to 61.70): VU034274.D (-1364) (-)

Ion 87.00 (86.70 to 87.70): VU034274.D (-1364) (-)



#48

Methyl methacrylate

Concen: 6.469 ug/l

RT: 6.69 min Scan# 1741

Delta R.T. 0.08 min

Lab File: VU034502.D

Acq: 12 Sep 2019 02:03

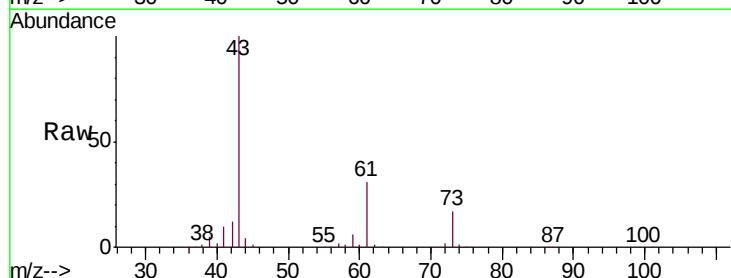
Tgt Ion: 41 Resp: 22259

Ion Ratio Lower Upper

41 100

69 0.0 72.8 109.2#

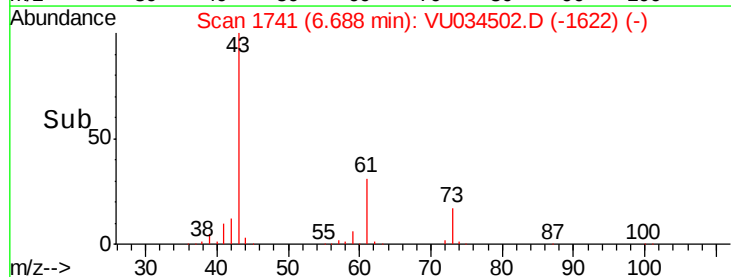
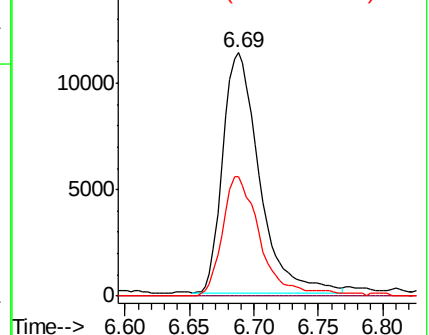
39 50.1 38.6 58.0

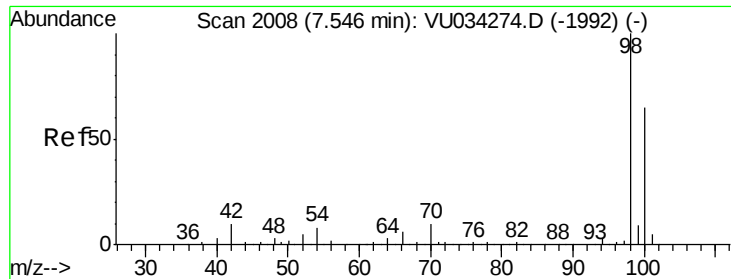


Abundance Ion 41.00 (40.70 to 41.70): VU034274.D (-1701) (-)

Ion 69.00 (68.70 to 69.70): VU034274.D (-1701) (-)

Ion 39.00 (38.70 to 39.70): VU034274.D (-1701) (-)





#50

Toluene-d8

Concen: 55.403 ug/l

RT: 7.54 min Scan# 2007

Delta R.T. -0.00 min

Lab File: VU034502.D

Acq: 12 Sep 2019 02:03

Instrument :

MSVOA_U

ClientSampleId :

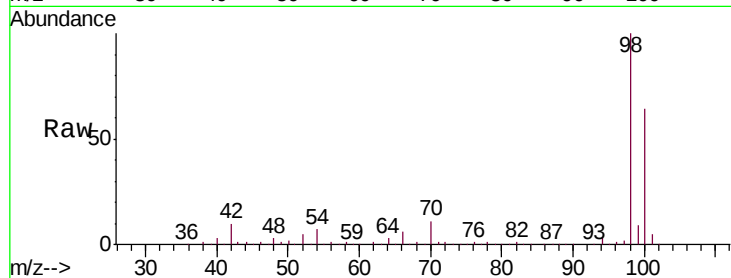
T11-B3-(0)

Tgt Ion: 98 Resp: 701471

Ion Ratio Lower Upper

98 100

100 64.7 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VU034274.D (-1992) (-)

Ion 100.00 (99.70 to 100.70): VU034274.D (-1992) (-)

7.54

400000

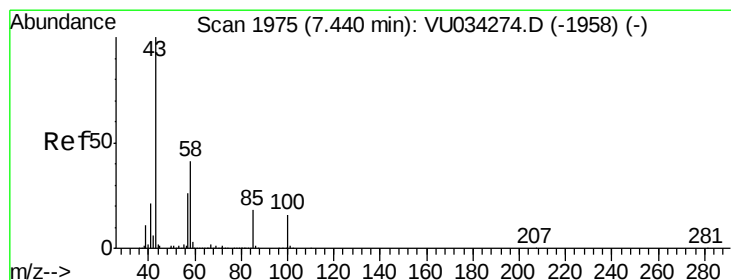
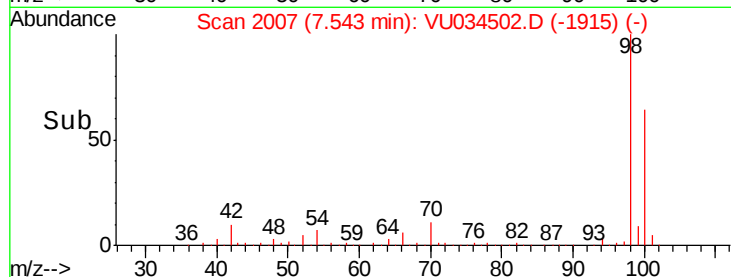
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 7.765 ug/l

RT: 7.40 min Scan# 1963

Delta R.T. -0.04 min

Lab File: VU034502.D

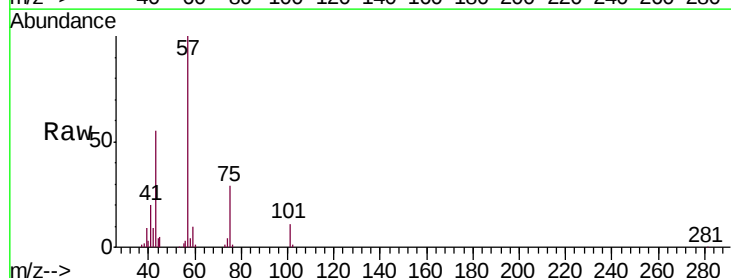
Acq: 12 Sep 2019 02:03

Tgt Ion: 43 Resp: 38940

Ion Ratio Lower Upper

43 100

58 7.6 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) (-)

7.40

25000

20000

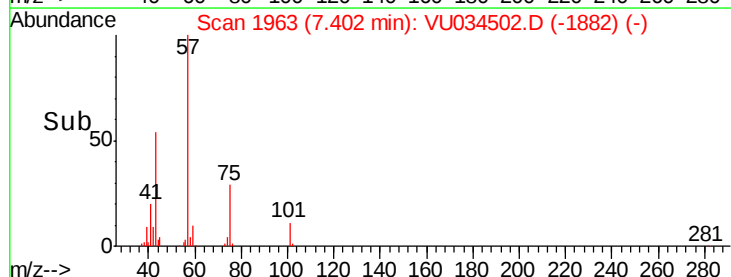
15000

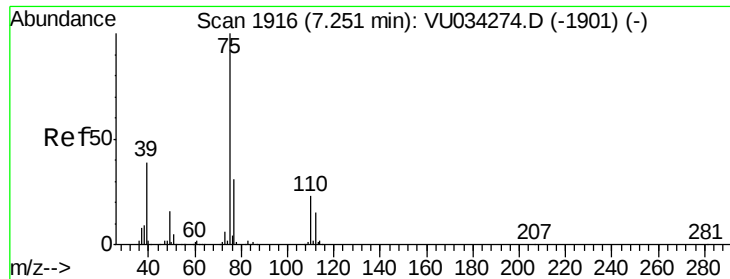
10000

5000

0

Time-->



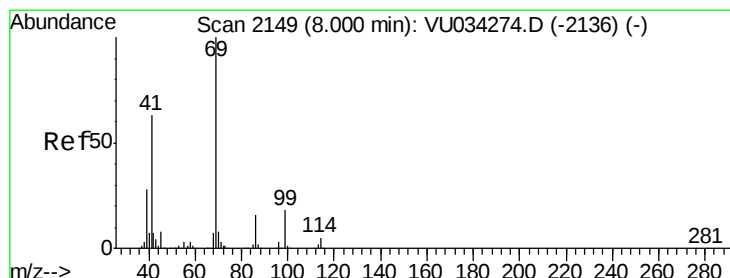
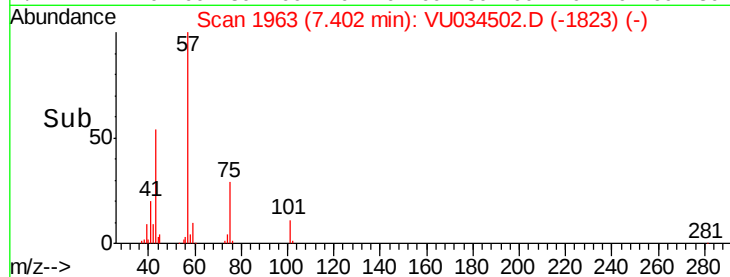
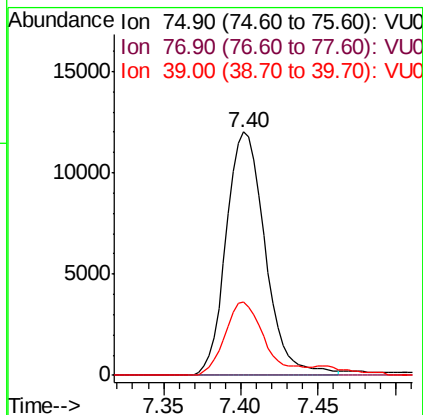
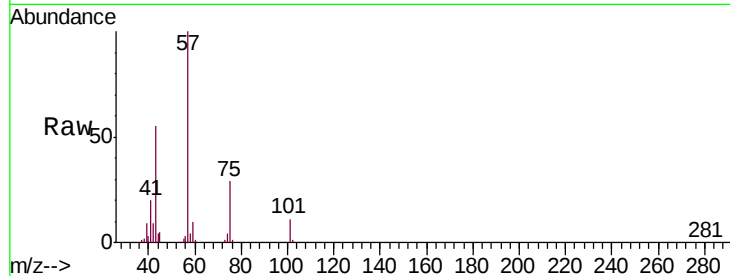


#54

cis-1,3-Dichloropropene
 Concen: 3.869 ug/l
 RT: 7.40 min Scan# 1963
 Delta R.T. 0.15 min
 Lab File: VU034502.D
 Acq: 12 Sep 2019 02:03

Instrument :
 MSVOA_U
 ClientSampleId :
 T11-B3-(0)

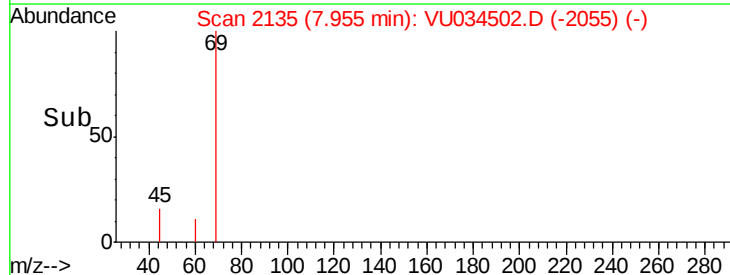
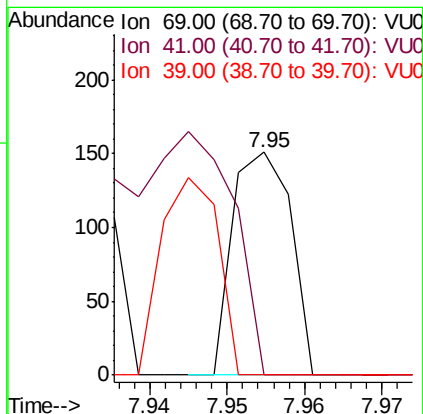
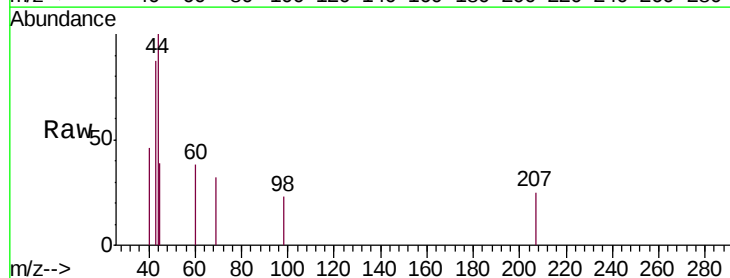
Tgt Ion: 75 Resp: 21074
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#
 39 30.2 31.2 46.8#

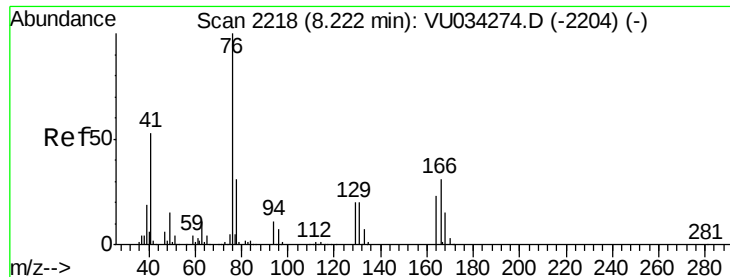


#56

Ethyl methacrylate
 Concen: 3.090 ug/l
 RT: 7.95 min Scan# 2135
 Delta R.T. -0.04 min
 Lab File: VU034502.D
 Acq: 12 Sep 2019 02:03

Tgt Ion: 69 Resp: 79
 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: 0.353 ug/l

RT: 8.40 min Scan# 2274

Delta R.T. 0.18 min

Lab File: VU034502.D

Acq: 12 Sep 2019 02:03

Instrument :

MSVOA_U

ClientSampled :

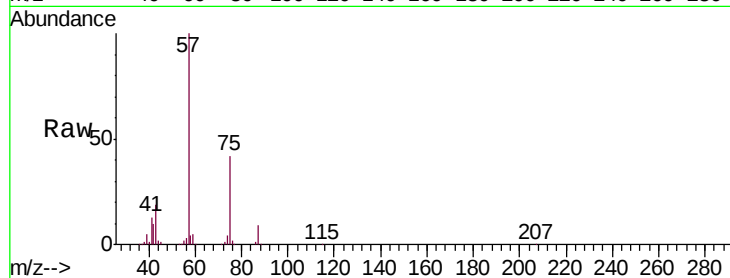
T11-B3-(0)

Tgt Ion: 76 Resp: 2073

Ion Ratio Lower Upper

76 100

78 0.0 25.4 38.2#



Abundance Ion 75.90 (75.60 to 76.60): VU034502.D (-2125) (-)

Ion 77.90 (77.60 to 78.60): VU034502.D (-2125) (-)

8.40

1500

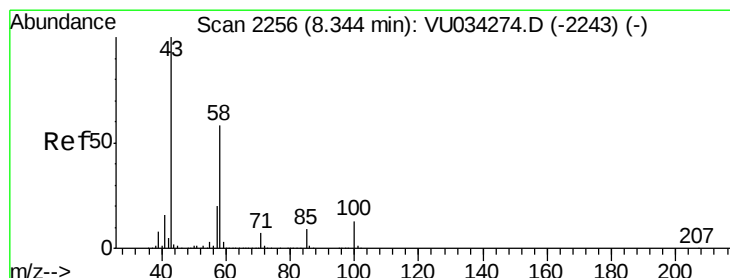
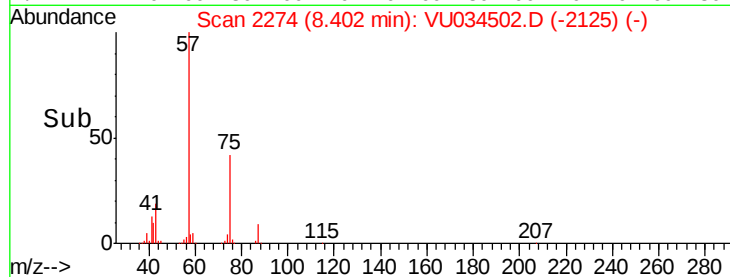
1000

500

0

8.35 8.40 8.45

Time-->



#59

2-Hexanone

Concen: 6.714 ug/l

RT: 8.40 min Scan# 2273

Delta R.T. 0.05 min

Lab File: VU034502.D

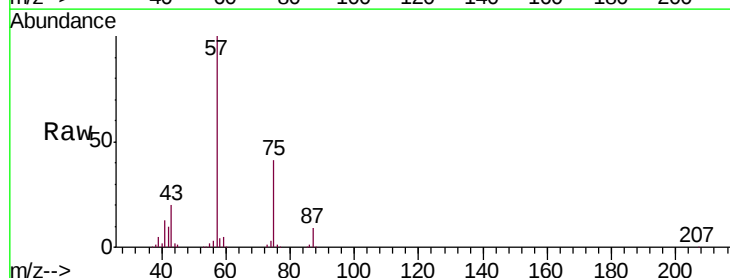
Acq: 12 Sep 2019 02:03

Tgt Ion: 43 Resp: 25153

Ion Ratio Lower Upper

43 100

58 24.4 28.8 86.5#



Abundance Ion 43.00 (42.70 to 43.70): VU034502.D (-2163) (-)

Ion 58.00 (57.70 to 58.70): VU034502.D (-2163) (-)

8.40

20000

15000

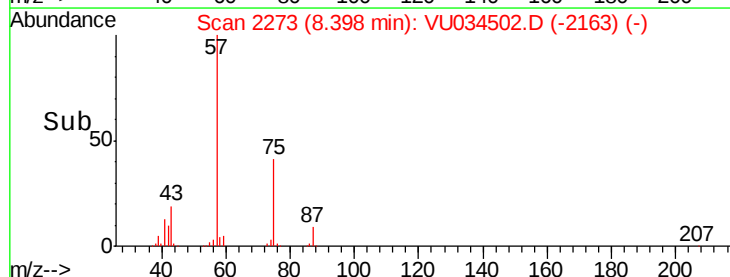
10000

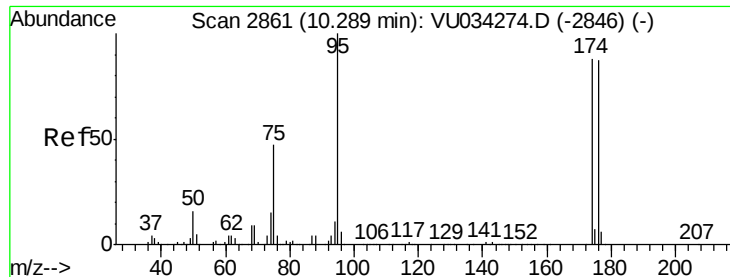
5000

0

8.35 8.40 8.45

Time-->

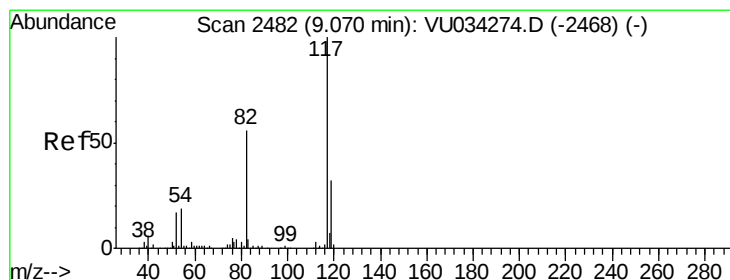
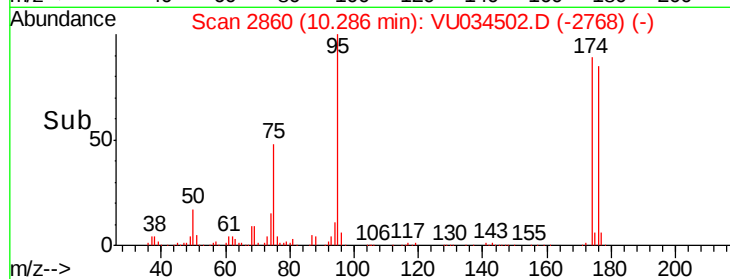
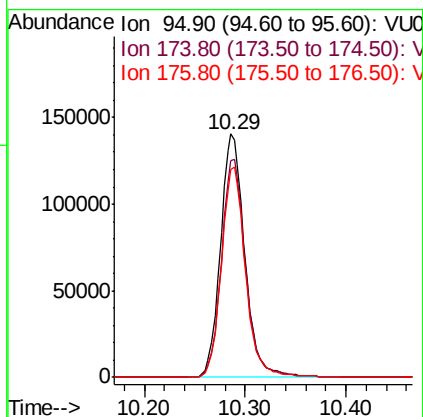
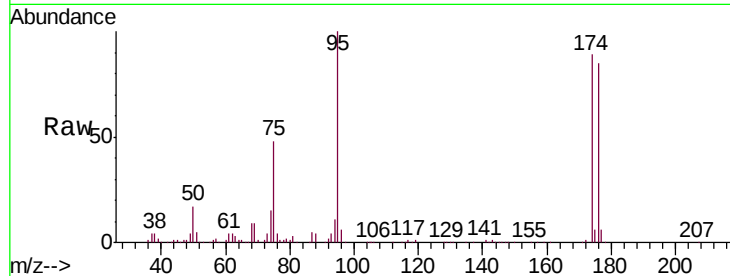




#62
4-Bromofluorobenzene
Concen: 48.453 ug/l
RT: 10.29 min Scan# 2860
Delta R.T. -0.00 min
Lab File: VU034502.D
Acq: 12 Sep 2019 02:03

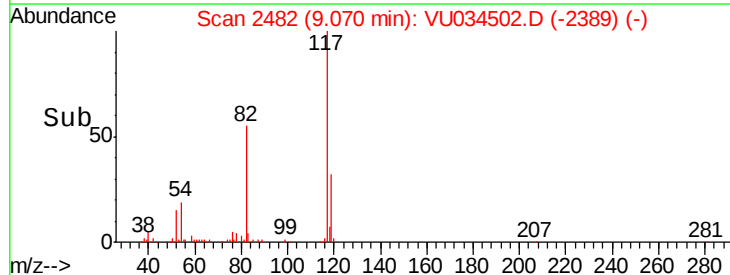
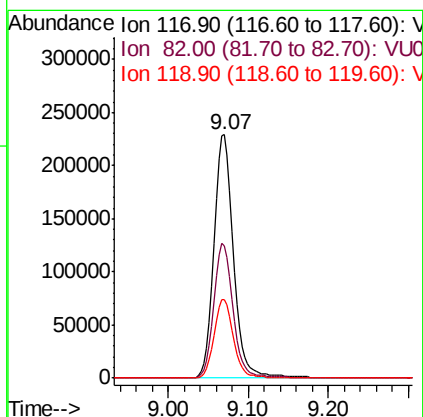
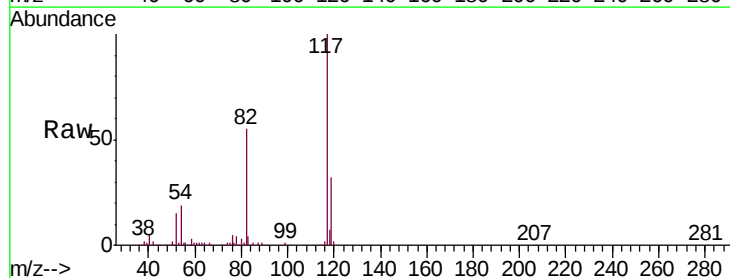
Instrument :
MSVOA_U
ClientSampleId :
T11-B3-(0)

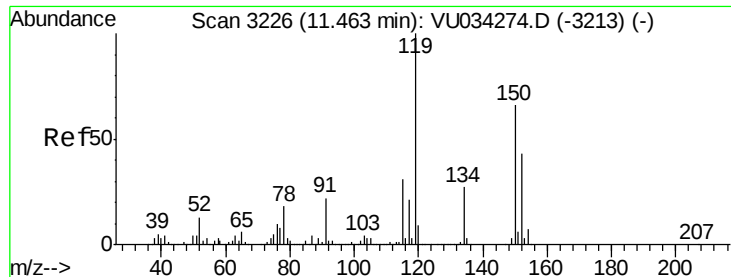
Tgt Ion: 95 Resp: 236859
Ion Ratio Lower Upper
95 100
174 89.3 0.0 175.2
176 85.5 0.0 168.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU034502.D
Acq: 12 Sep 2019 02:03

Tgt Ion: 117 Resp: 391820
Ion Ratio Lower Upper
117 100
82 54.5 44.6 67.0
119 32.4 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3226

Delta R.T. -0.00 min

Lab File: VU034502.D

Acq: 12 Sep 2019 02:03

Instrument :

MSVOA_U

ClientSampleId :

T11-B3-(0)

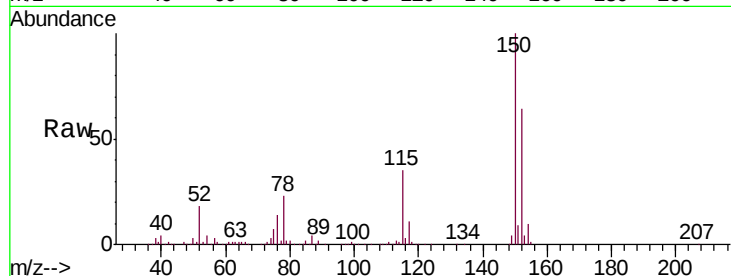
Tgt Ion:152 Resp: 215076

Ion Ratio Lower Upper

152 100

115 55.6 39.1 117.3

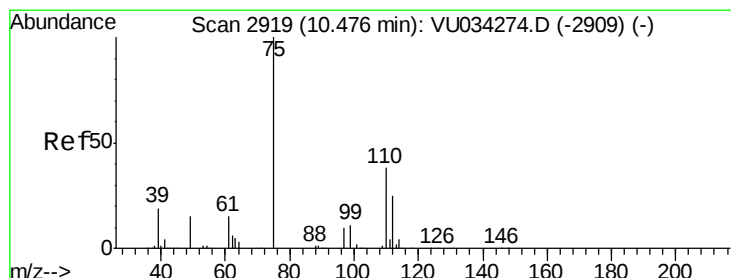
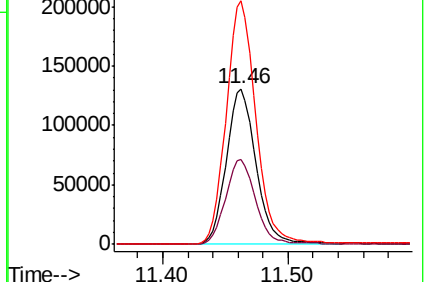
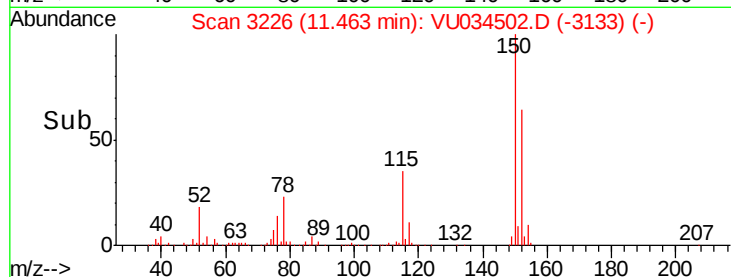
150 157.2 0.0 345.4



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: 23.591 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.19 min

Lab File: VU034502.D

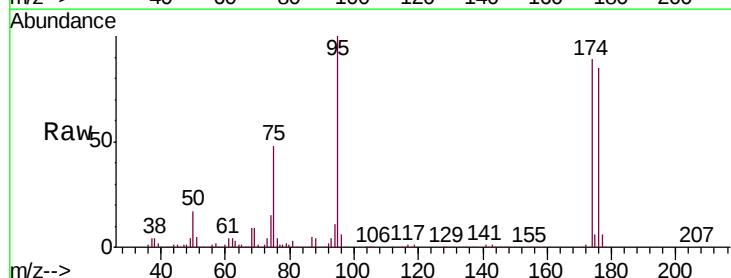
Acq: 12 Sep 2019 02:03

Tgt Ion: 75 Resp: 110753

Ion Ratio Lower Upper

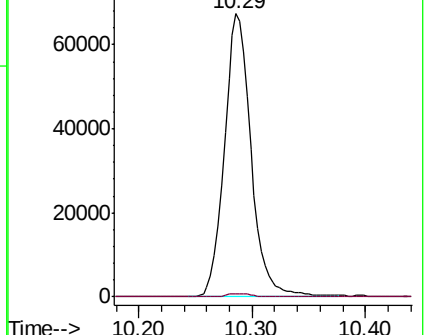
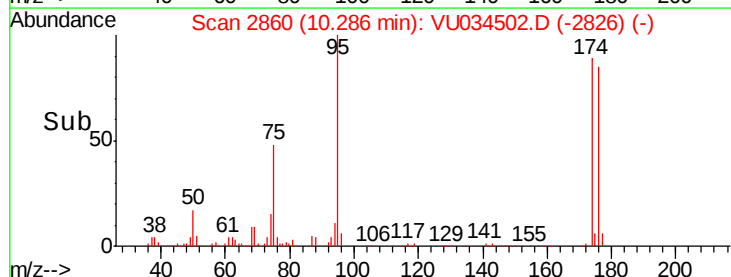
75 100

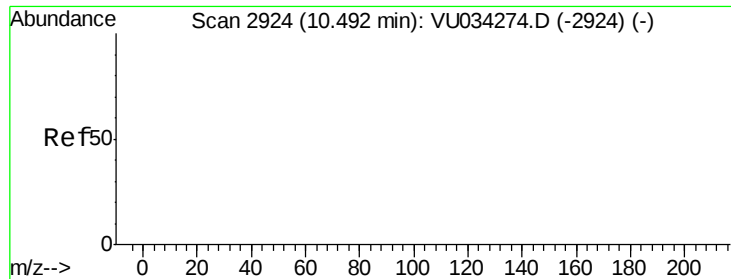
77 1.1 20.8 62.2#



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: 79.335 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.21 min

Lab File: VU034502.D

Acq: 12 Sep 2019 02:03

Instrument :

MSVOA_U

ClientSampleId :

T11-B3-(0)

Tgt Ion: 75 Resp: 110753

Ion Ratio Lower Upper

75 100

53 0.2 0.0 0.0#

89 0.0 0.0 0.0

