

Data File : VU034239.D
Acq On : 03 Sep 2019 20:04
Operator : JC/SP
Sample : K4546-34
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
T3-S-B1-(2.5)

Quant Time: Sep 04 04:28:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 29 04:11:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	437368	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	713950	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	710177	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	345201	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	274027	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
35) Dibromofluoromethane	4.86	113	231738	46.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.60%	
50) Toluene-d8	7.55	98	919491	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
62) 4-Bromofluorobenzene	10.29	95	321602	44.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.18%	

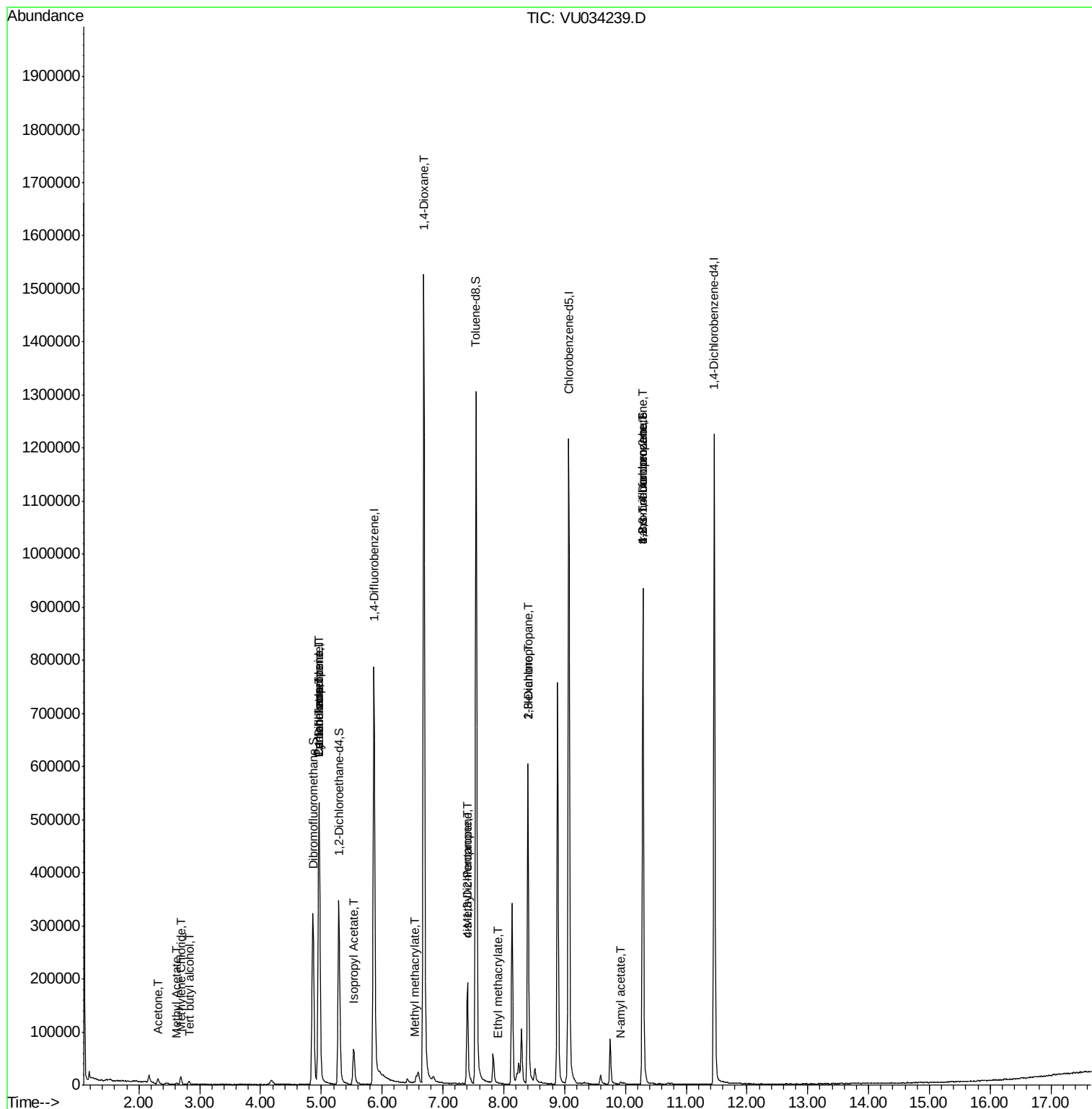
Target Compounds				Qvalue		
3) Chloromethane	1.32	50	407	Below Cal		93
5) Bromomethane	1.64	94	573	Below Cal	#	68
11) Tert butyl alcohol	2.83	59	3696	2.860	ug/l #	73
16) Acetone	2.31	43	11116	3.887	ug/l	98
18) Methyl Acetate	2.61	43	3054	0.413	ug/l	99
20) Methylene Chloride	2.69	84	6456	1.193	ug/l	98
31) Cyclohexane	4.96	56	7455	0.891	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	30783	4.558	ug/l #	49
38) Carbon Tetrachloride	4.96	117	39591	6.074	ug/l #	16
43) Isopropyl Acetate	5.53	43	81926	7.121	ug/l	98
48) Methyl methacrylate	6.53	41	5435	0.979	ug/l #	14
49) 1,4-Dioxane	6.68	88	226	1.625	ug/l #	1
51) 4-Methyl-2-Pentanone	7.40	43	67350	8.477	ug/l #	47
54) cis-1,3-Dichloropropene	7.40	75	35649	4.148	ug/l #	62
56) Ethyl methacrylate	7.91	69	211	0.995	ug/l #	27
57) 1,3-Dichloropropane	8.40	76	6071	0.672	ug/l #	42
59) 2-Hexanone	8.40	43	82103	13.688	ug/l #	52
74) N-amyl acetate	9.93	43	2024	0.208	ug/l #	44
76) 1,2,3-Trichloropropane	10.29	75	153207	19.692	ug/l #	38
81) trans-1,4-Dichloro-2-buten	10.29	75	153207	66.307	ug/l #	100

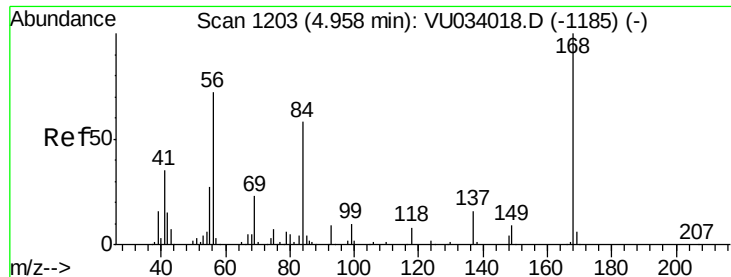
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. 0.01 min

Lab File: VU034239.D

Acq: 03 Sep 2019 20:04

Instrument :

MSVOA_U

ClientSampleId :

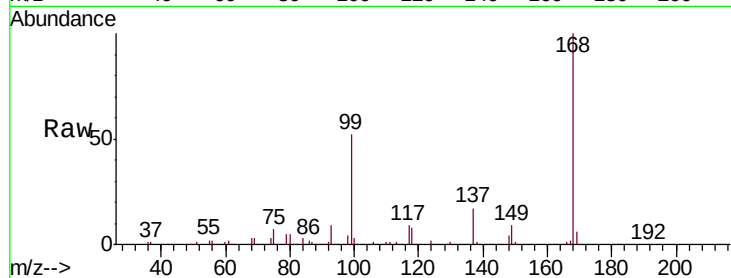
T3-S-B1-(2.5)

Tgt Ion:168 Resp: 437368

Ion Ratio Lower Upper

168 100

99 52.5 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VU034018.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU034018.D (-1185) (-)

4.96

200000

150000

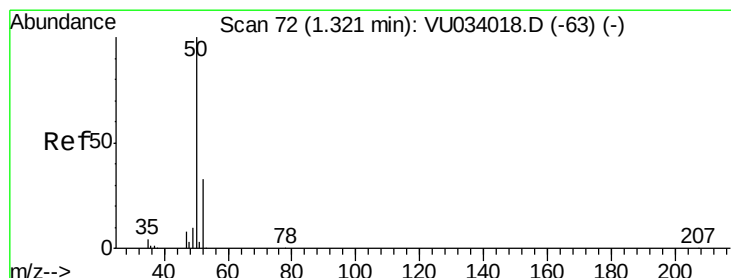
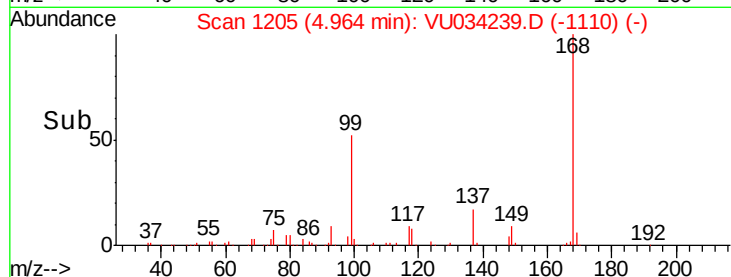
100000

50000

0

4.90 4.96 5.00 5.10

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034239.D

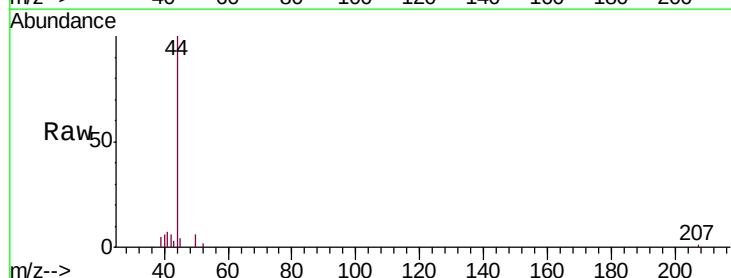
Acq: 03 Sep 2019 20:04

Tgt Ion: 50 Resp: 407

Ion Ratio Lower Upper

50 100

52 29.1 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VU034018.D (-63) (-)

Ion 51.90 (51.60 to 52.60): VU034018.D (-63) (-)

1.32

500

400

300

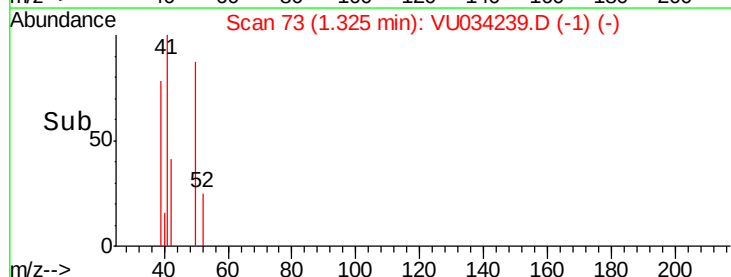
200

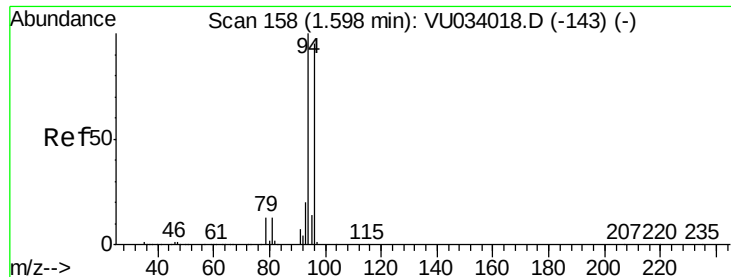
100

0

1.30 1.32 1.34 1.36

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 170

Delta R.T. 0.04 min

Lab File: VU034239.D

Acq: 03 Sep 2019 20:04

Instrument :

MSVOA_U

ClientSampleId :

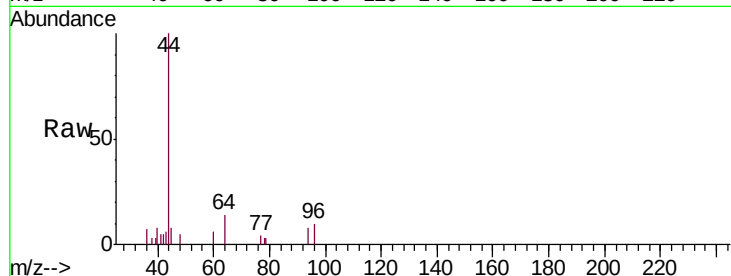
T3-S-B1-(2.5)

Tgt Ion: 94 Resp: 573

Ion Ratio Lower Upper

94 100

96 126.2 76.3 114.5#



Abundance Ion 93.90 (93.60 to 94.60): VU034239.D (-65) (-)

Ion 95.90 (95.60 to 96.60): VU034239.D (-65) (-)

500

400

300

200

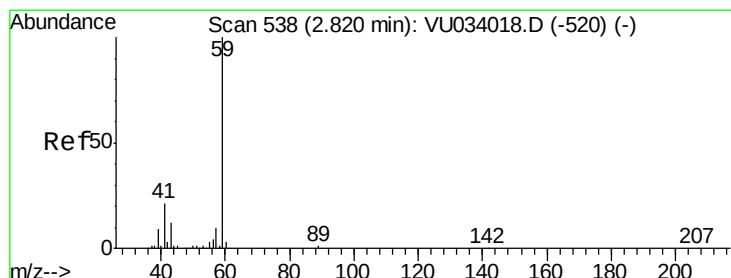
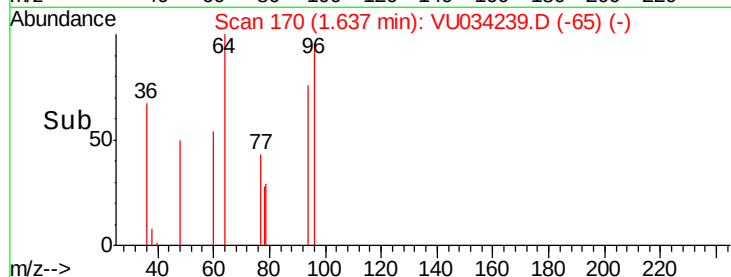
100

0

1.60 1.62 1.64 1.66 1.68

1.64

Time-->



#11

Tert butyl alcohol

Concen: 2.860 ug/l

RT: 2.83 min Scan# 540

Delta R.T. 0.01 min

Lab File: VU034239.D

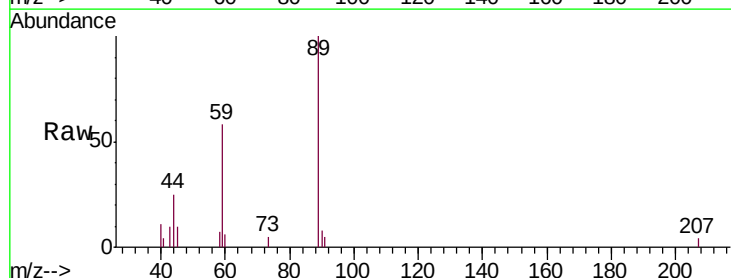
Acq: 03 Sep 2019 20:04

Tgt Ion: 59 Resp: 3696

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VU034239.D (-445) (-)

Ion 57.00 (56.70 to 57.70): VU034239.D (-445) (-)

2000

1500

1000

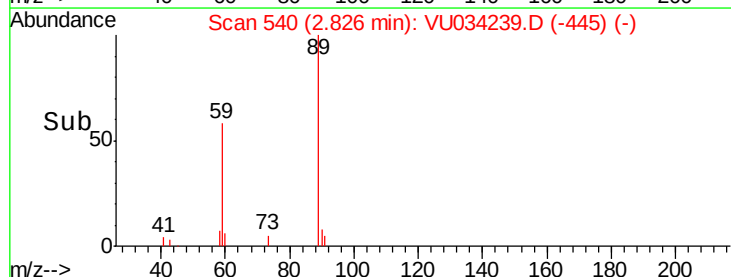
500

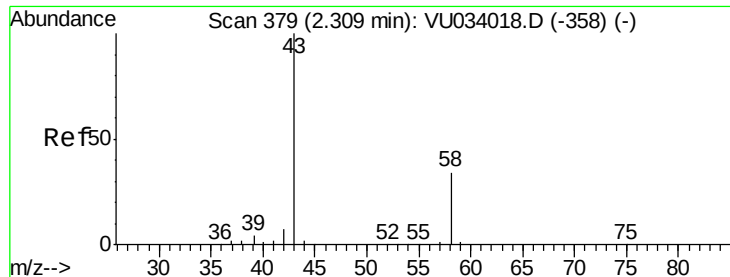
0

2.75 2.80 2.85 2.90

2.83

Time-->

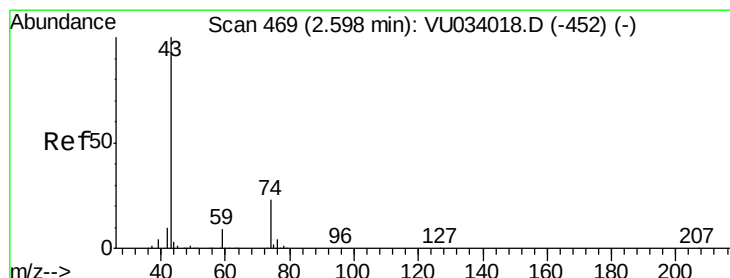
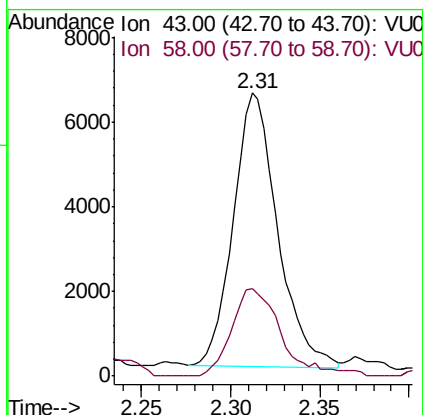
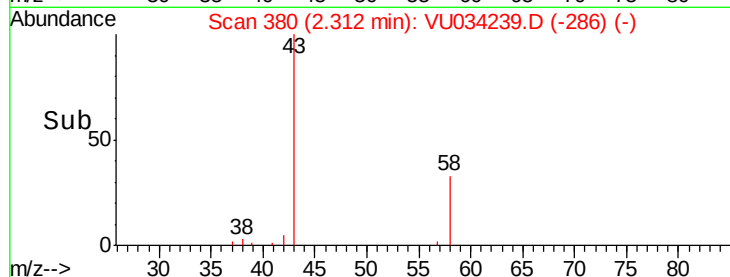
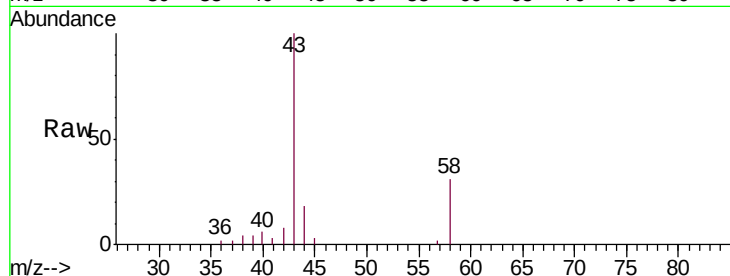




#16
Acetone
Concen: 3.887 ug/l
RT: 2.31 min Scan# 380
Delta R.T. 0.00 min
Lab File: VU034239.D
Acq: 03 Sep 2019 20:04

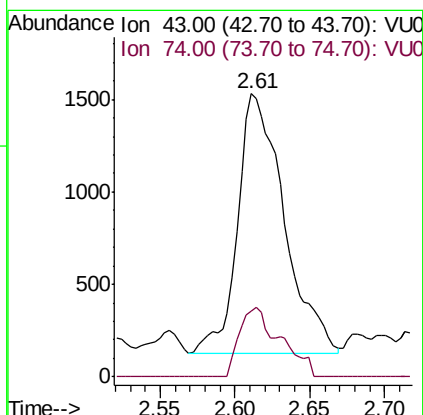
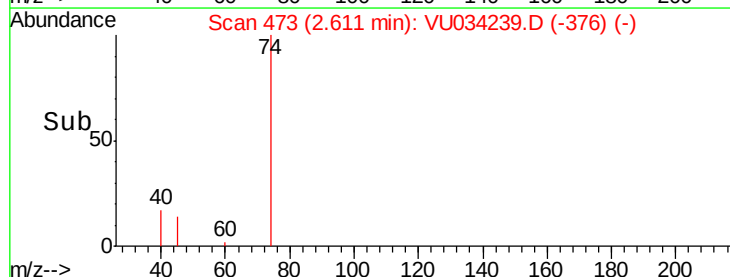
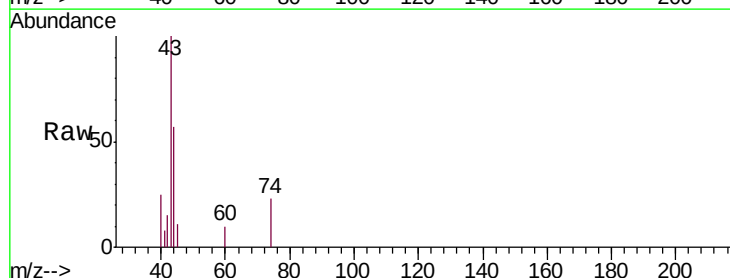
Instrument :
MSVOA_U
ClientSampleId :
T3-S-B1-(2.5)

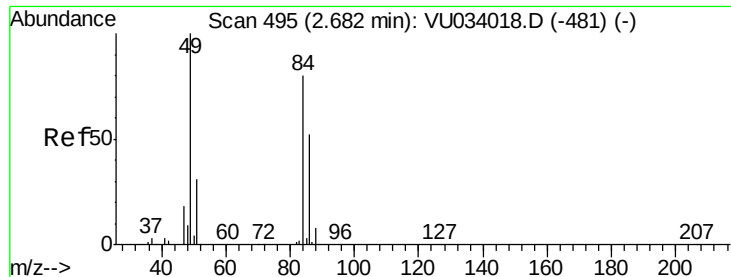
Tgt Ion: 43 Resp: 11116
Ion Ratio Lower Upper
43 100
58 32.3 26.8 40.2



#18
Methyl Acetate
Concen: 0.413 ug/l
RT: 2.61 min Scan# 473
Delta R.T. 0.01 min
Lab File: VU034239.D
Acq: 03 Sep 2019 20:04

Tgt Ion: 43 Resp: 3054
Ion Ratio Lower Upper
43 100
74 23.4 19.2 28.8

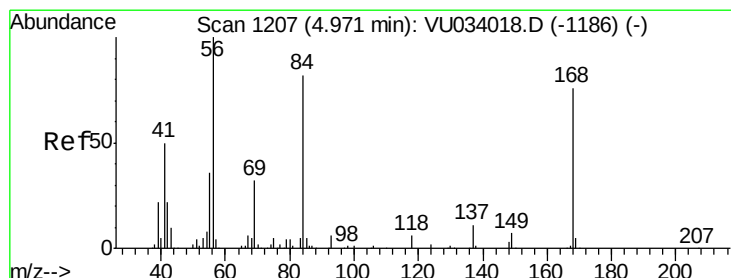
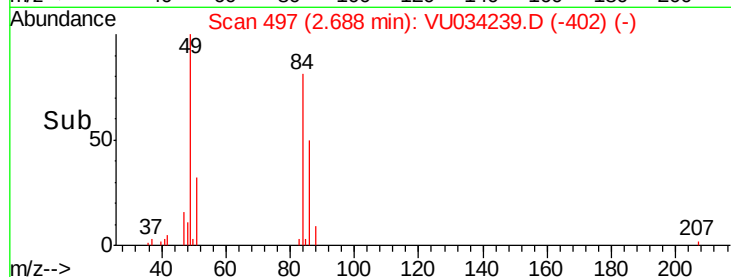
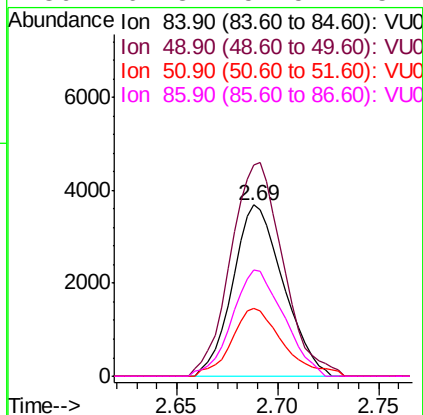
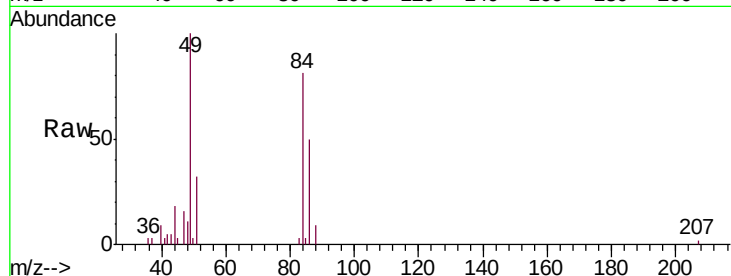




#20
Methylene Chloride
Concen: 1.193 ug/l
RT: 2.69 min Scan# 497
Delta R.T. 0.01 min
Lab File: VU034239.D
Acq: 03 Sep 2019 20:04

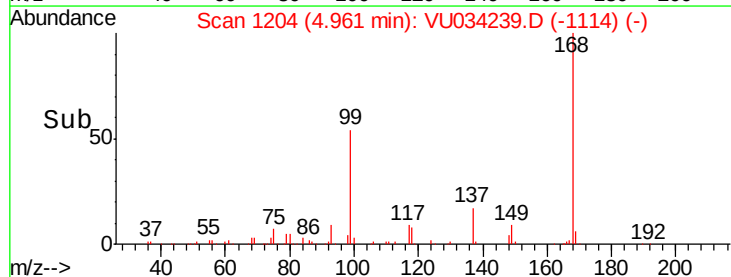
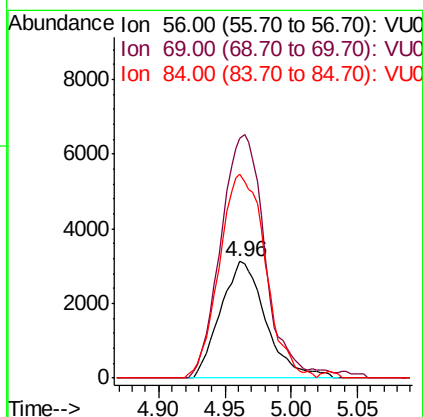
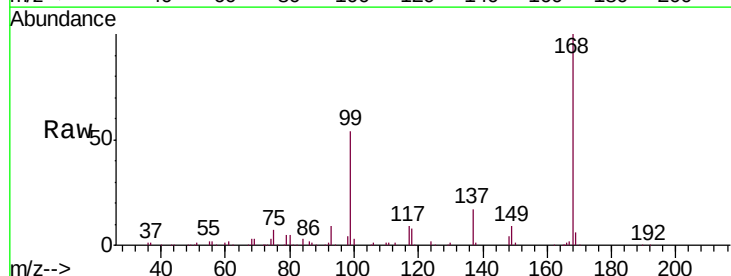
Instrument :
MSVOA_U
ClientSampleId :
T3-S-B1-(2.5)

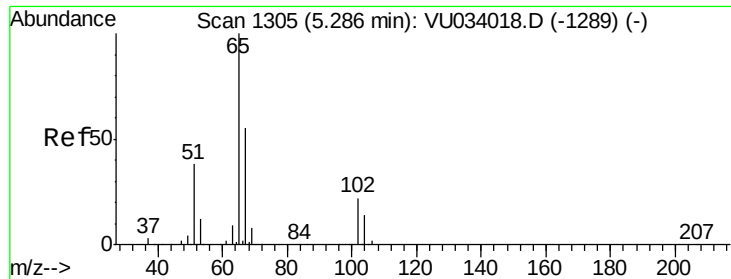
Tgt Ion: 84 Resp: 6456
Ion Ratio Lower Upper
84 100
49 123.5 100.2 150.4
51 39.9 30.8 46.2
86 62.3 52.5 78.7



#31
Cyclohexane
Concen: 0.891 ug/l
RT: 4.96 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VU034239.D
Acq: 03 Sep 2019 20:04

Tgt Ion: 56 Resp: 7455
Ion Ratio Lower Upper
56 100
69 206.5 25.4 38.0#
84 171.4 65.8 98.8#

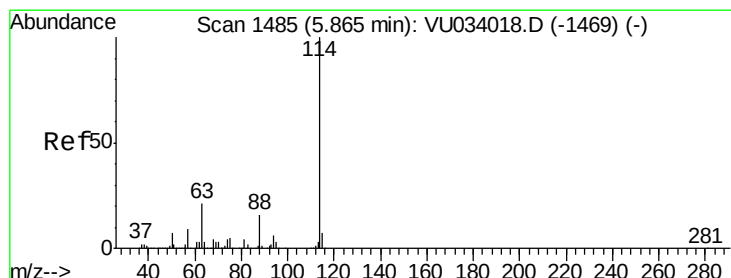
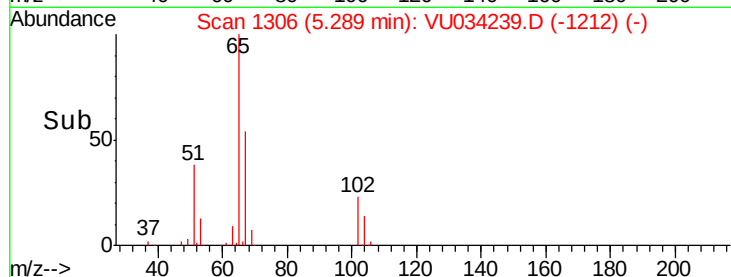
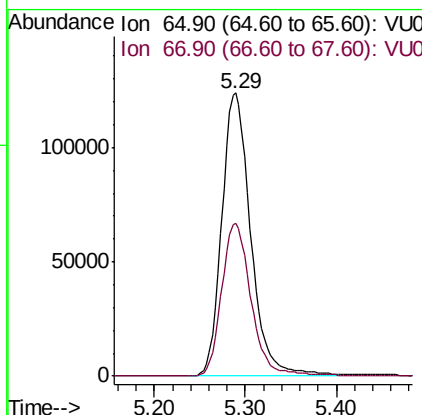
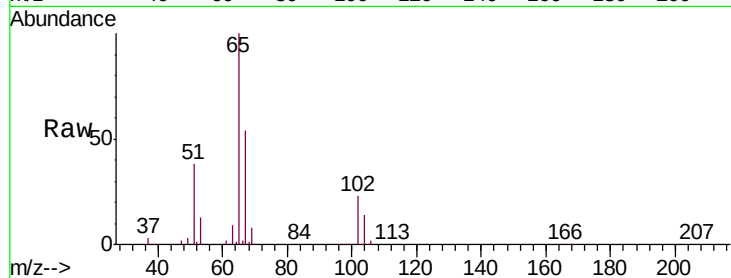




#33
 1,2-Dichloroethane-d4
 Concen: 48.897 ug/l
 RT: 5.29 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU034239.D
 Acq: 03 Sep 2019 20:04

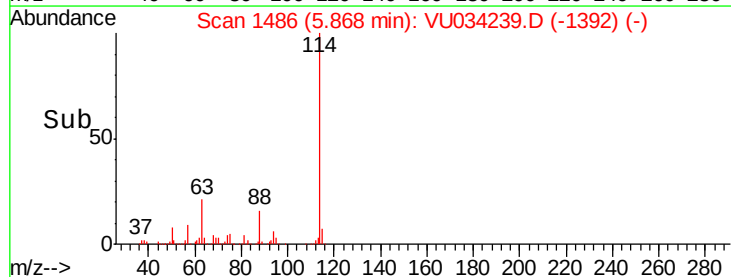
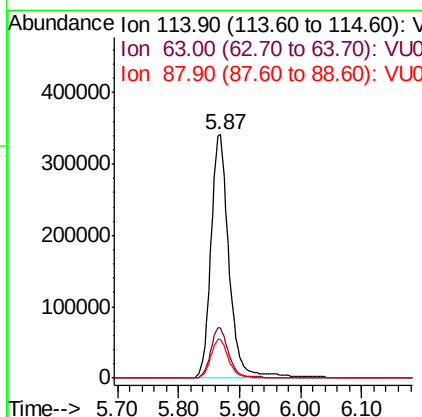
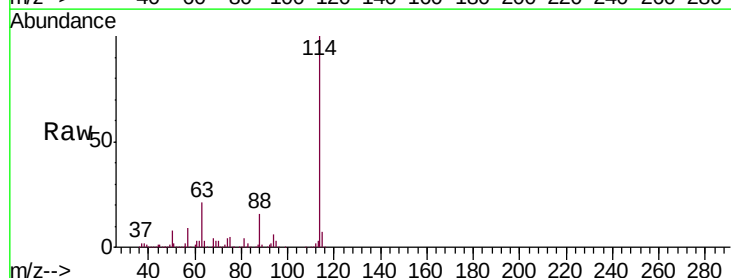
Instrument :
 MSVOA_U
 ClientSampleId :
 T3-S-B1-(2.5)

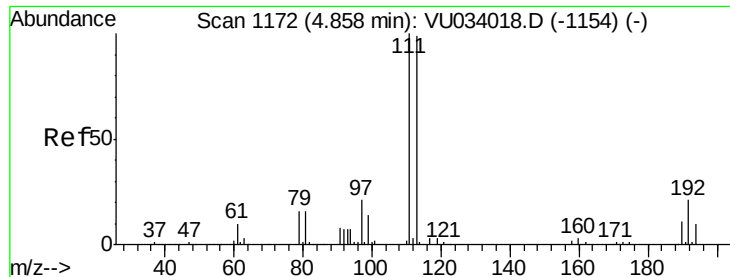
Tgt Ion: 65 Resp: 274027
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034239.D
 Acq: 03 Sep 2019 20:04

Tgt Ion: 114 Resp: 713950
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 42.0
 88 15.9 0.0 32.0





#35

Dibromofluoromethane

Concen: 46.798 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034239.D

Acq: 03 Sep 2019 20:04

Instrument :

MSVOA_U

ClientSampleId :

T3-S-B1-(2.5)

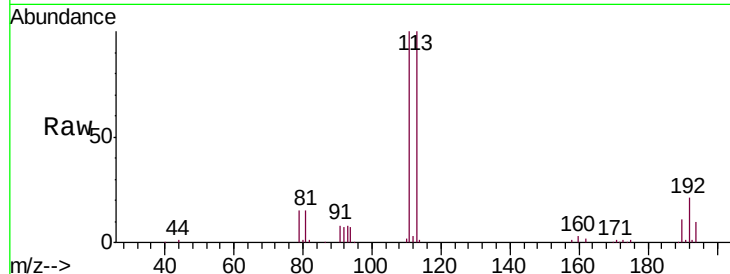
Tgt Ion:113 Resp: 231738

Ion Ratio Lower Upper

113 100

111 102.2 81.7 122.5

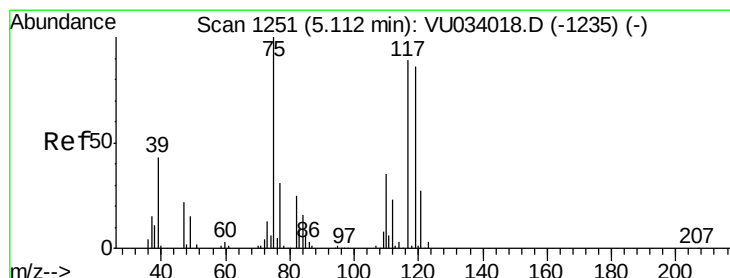
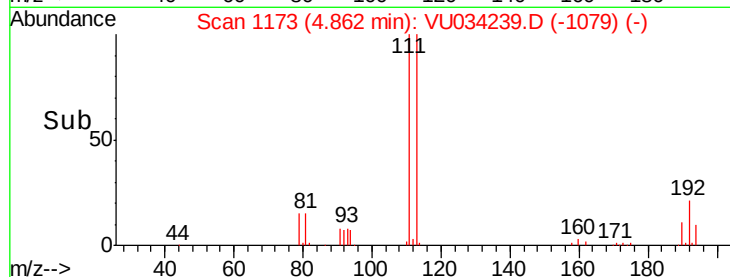
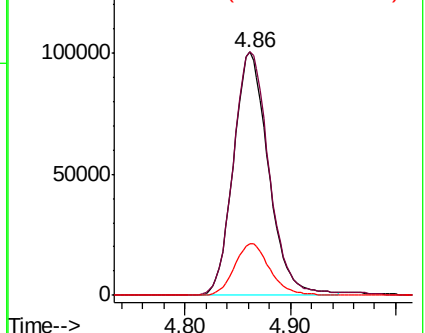
192 21.6 17.1 25.7



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: 4.558 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.15 min

Lab File: VU034239.D

Acq: 03 Sep 2019 20:04

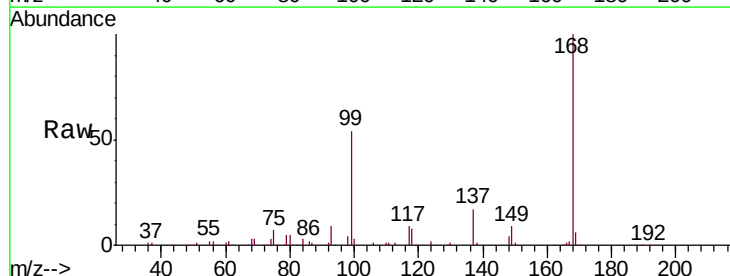
Tgt Ion: 75 Resp: 30783

Ion Ratio Lower Upper

75 100

110 8.2 17.8 53.5#

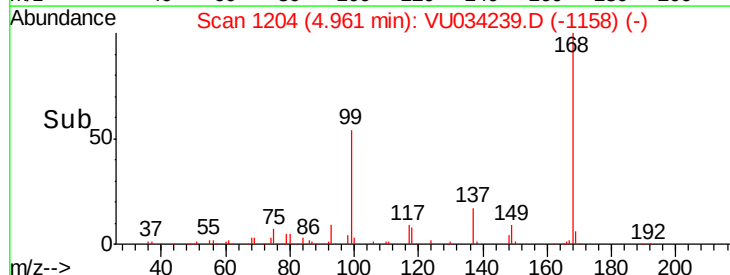
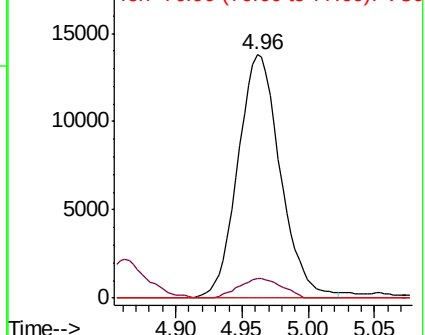
77 0.0 25.0 37.4#

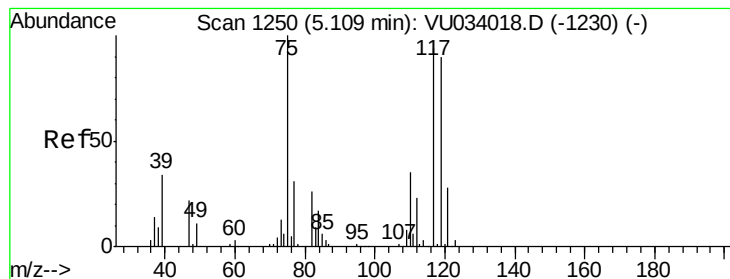


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 6.074 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. -0.14 min

Lab File: VU034239.D

Acq: 03 Sep 2019 20:04

Instrument :

MSVOA_U

ClientSampleId :

T3-S-B1-(2.5)

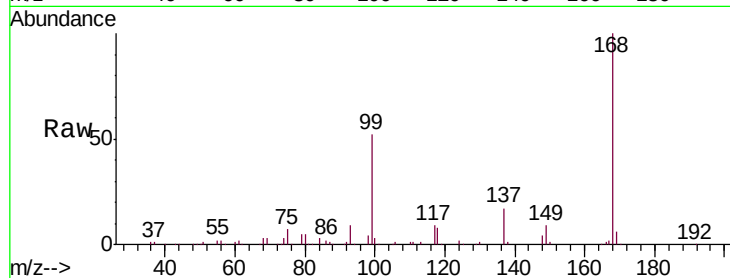
Tgt Ion: 117 Resp: 39591

Ion Ratio Lower Upper

117 100

119 5.0 77.0 115.4#

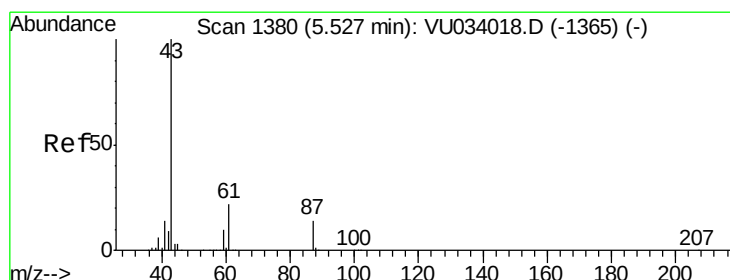
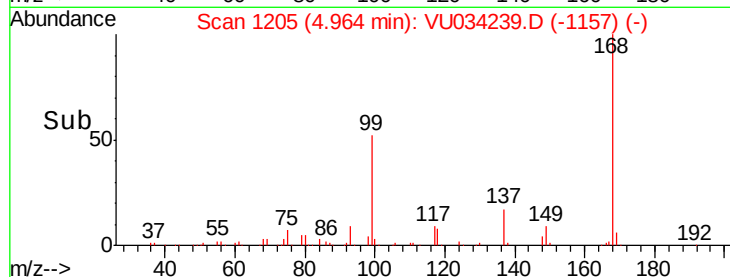
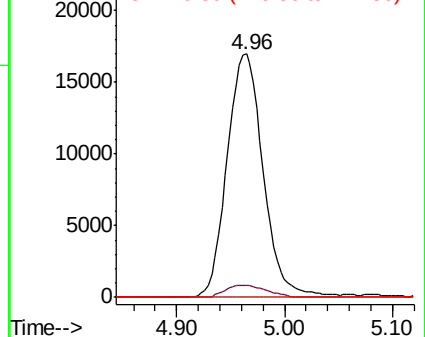
121 0.0 23.9 35.9#



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: 7.121 ug/l

RT: 5.53 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VU034239.D

Acq: 03 Sep 2019 20:04

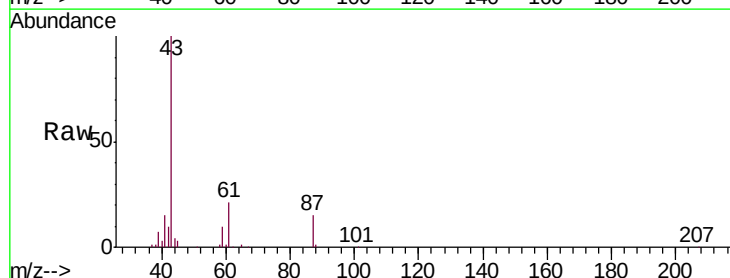
Tgt Ion: 43 Resp: 81926

Ion Ratio Lower Upper

43 100

61 20.4 17.2 25.8

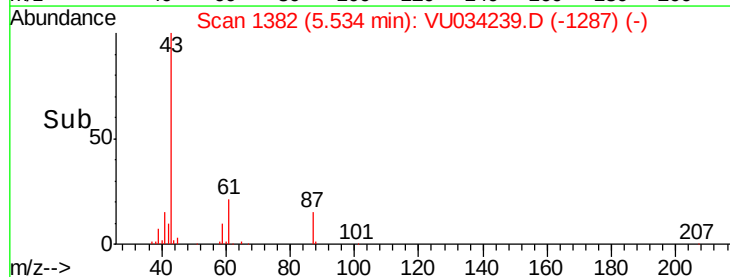
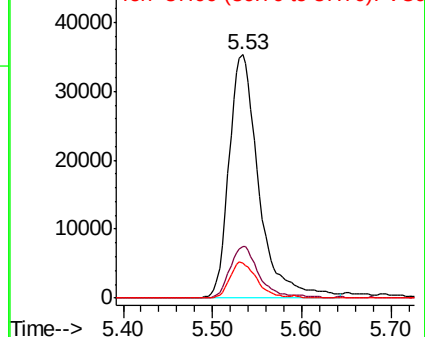
87 13.3 10.8 16.2

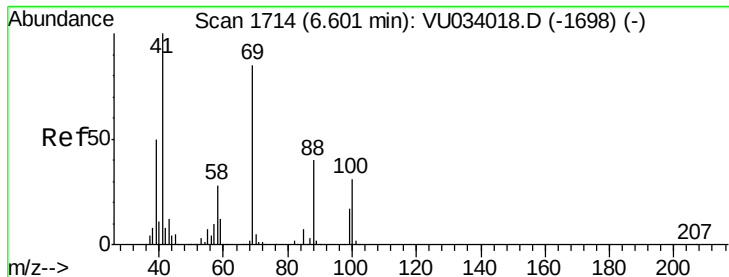


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

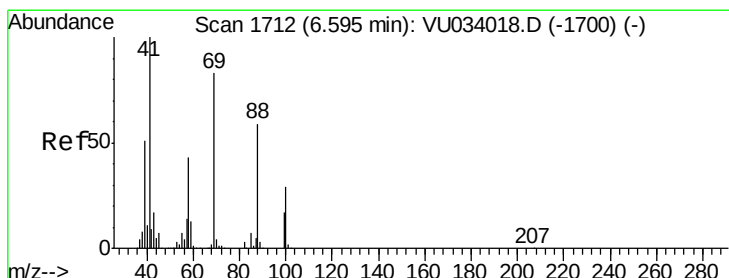
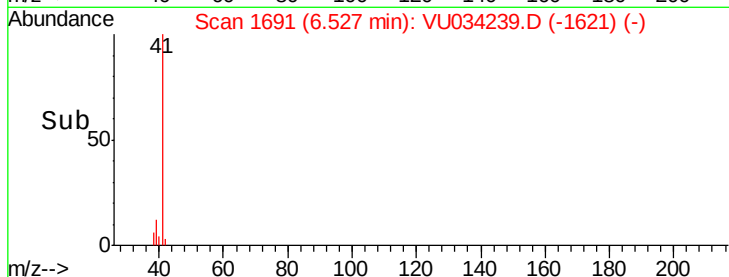
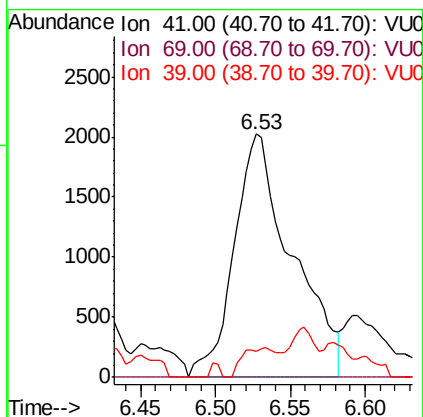
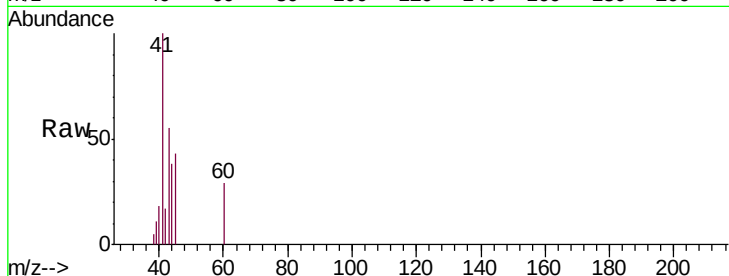




#48
Methyl methacrylate
Concen: 0.979 ug/l
RT: 6.53 min Scan# 1691
Delta R.T. -0.07 min
Lab File: VU034239.D
Acq: 03 Sep 2019 20:04

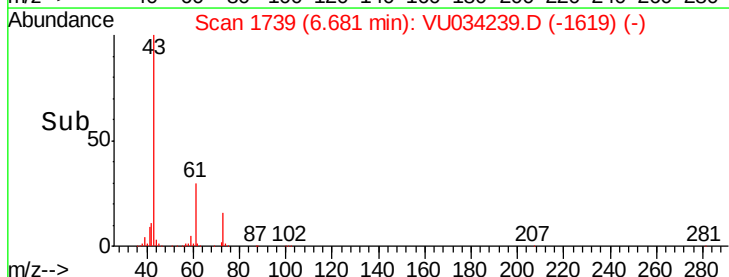
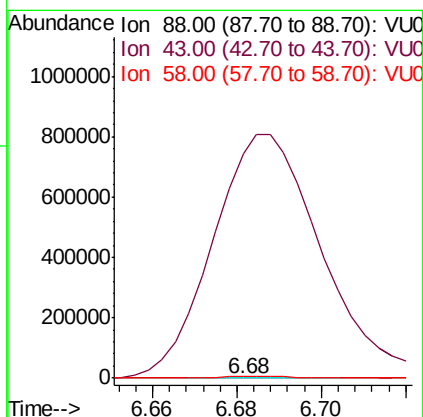
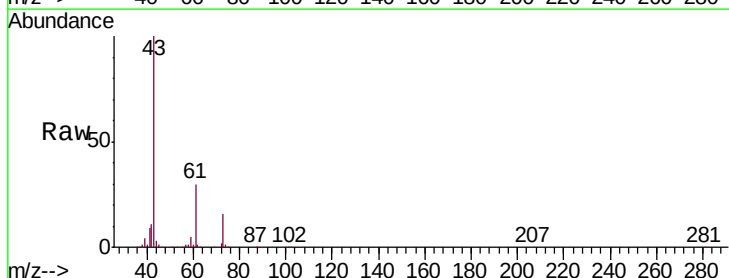
Instrument :
MSVOA_U
ClientSampleId :
T3-S-B1-(2.5)

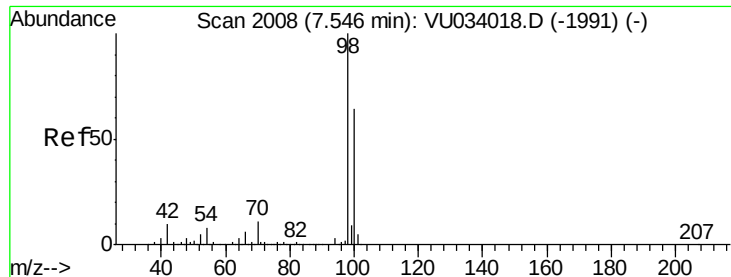
Tgt Ion: 41 Resp: 5435
Ion Ratio Lower Upper
41 100
69 0.0 69.5 104.3#
39 0.0 40.3 60.5#



#49
1,4-Dioxane
Concen: 1.625 ug/l
RT: 6.68 min Scan# 1739
Delta R.T. 0.09 min
Lab File: VU034239.D
Acq: 03 Sep 2019 20:04

Tgt Ion: 88 Resp: 226
Ion Ratio Lower Upper
88 100
43 664361.1 24.8 37.2#
58 3701.8 59.3 88.9#

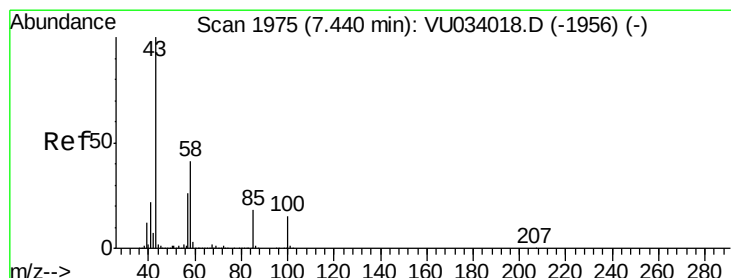
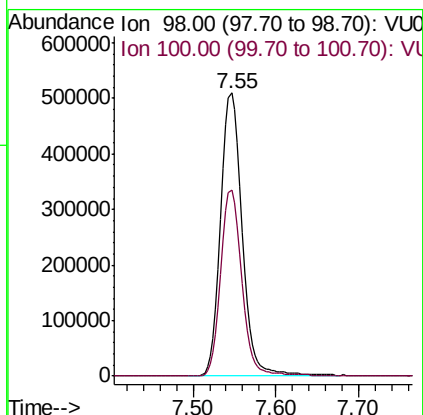
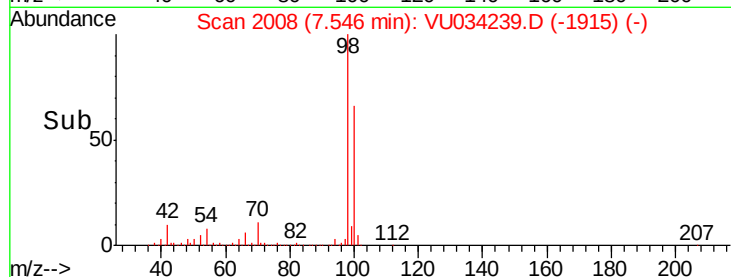
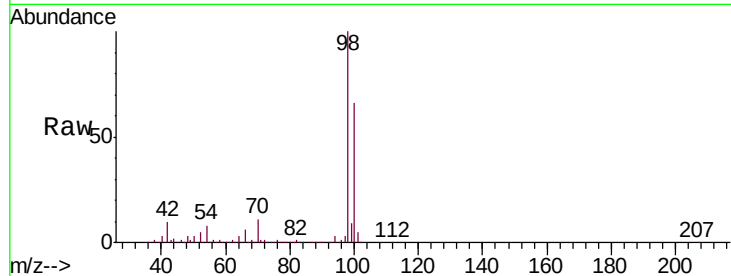




#50
Toluene-d8
Concen: 49.590 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034239.D
Acq: 03 Sep 2019 20:04

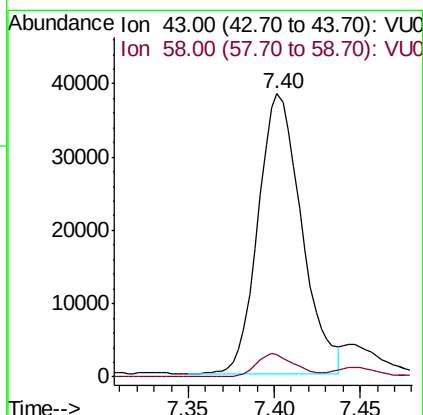
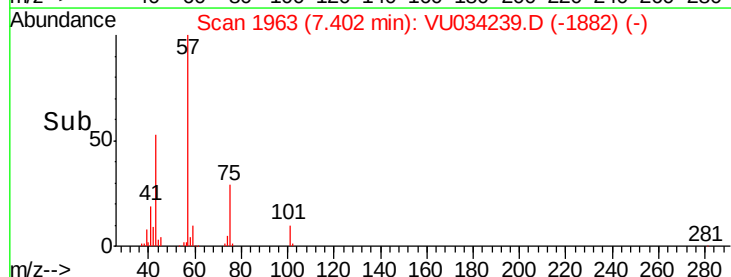
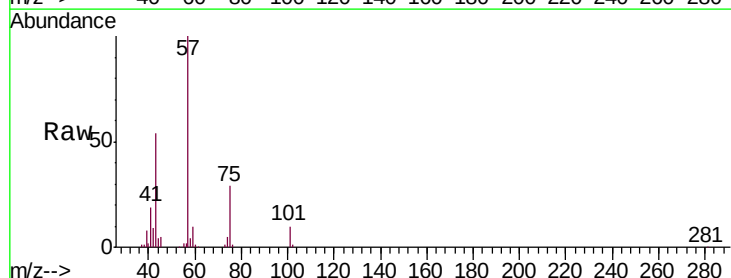
Instrument :
MSVOA_U
ClientSampleId :
T3-S-B1-(2.5)

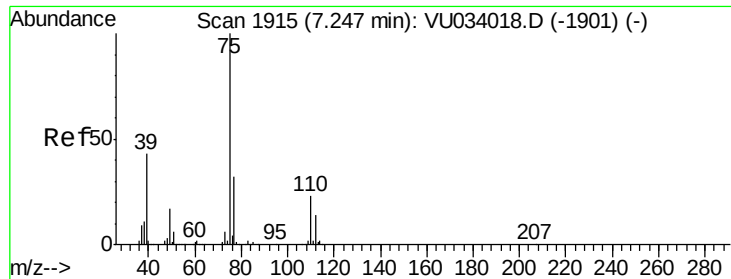
Tgt Ion: 98 Resp: 919491
Ion Ratio Lower Upper
98 100
100 65.0 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 8.477 ug/l
RT: 7.40 min Scan# 1963
Delta R.T. -0.04 min
Lab File: VU034239.D
Acq: 03 Sep 2019 20:04

Tgt Ion: 43 Resp: 67350
Ion Ratio Lower Upper
43 100
58 7.4 32.2 48.4#



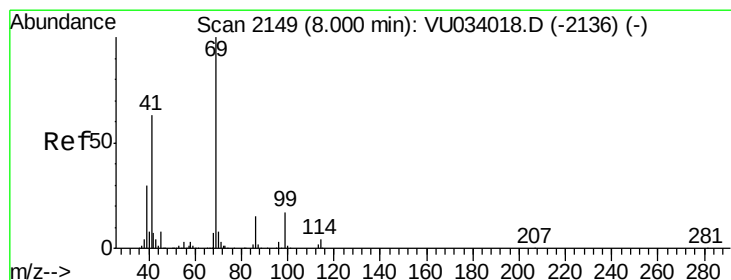
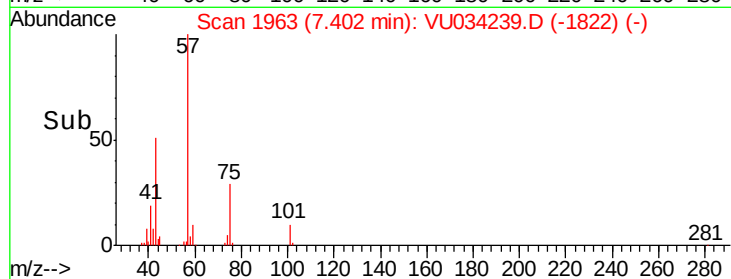
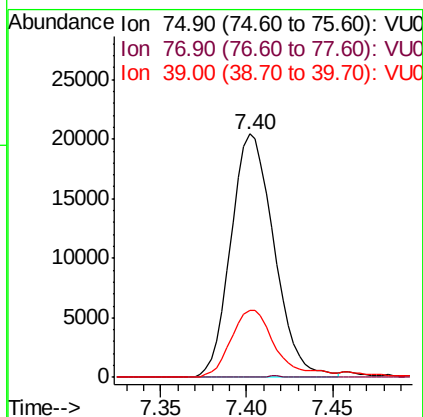
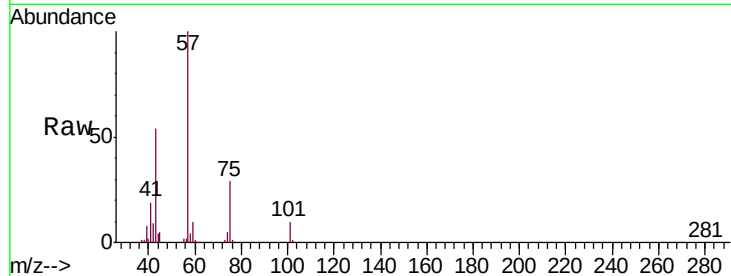


#54

cis-1,3-Dichloropropene
 Concen: 4.148 ug/l
 RT: 7.40 min Scan# 1963
 Delta R.T. 0.15 min
 Lab File: VU034239.D
 Acq: 03 Sep 2019 20:04

Instrument :
 MSVOA_U
 ClientSampleId :
 T3-S-B1-(2.5)

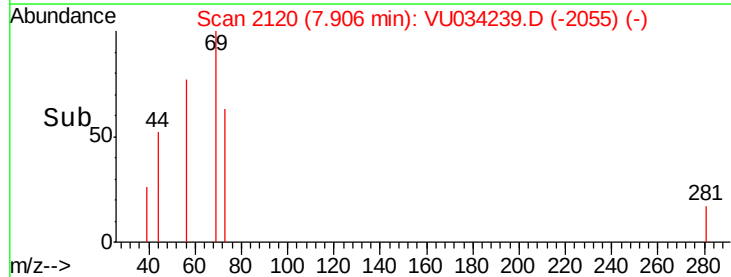
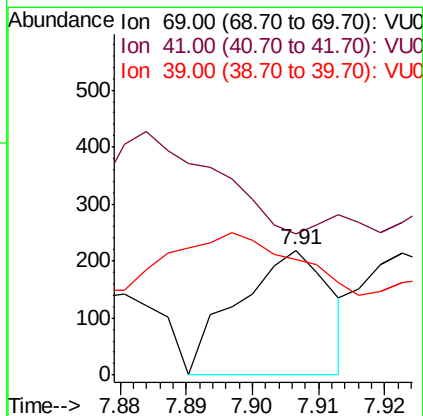
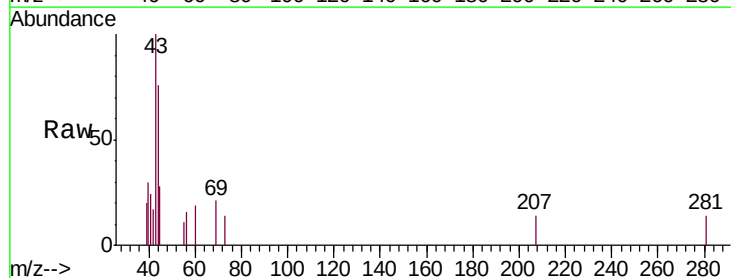
Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.2	37.8#
39	27.7	34.6	51.8#

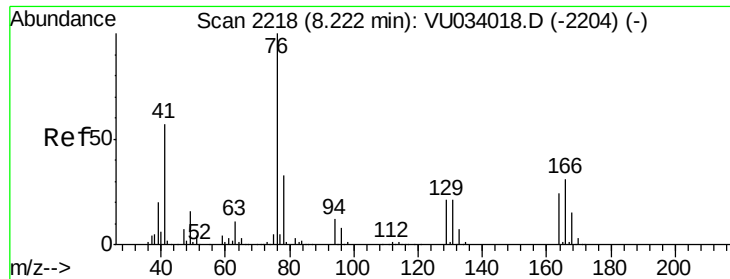


#56

Ethyl methacrylate
 Concen: 0.995 ug/l
 RT: 7.91 min Scan# 2120
 Delta R.T. -0.09 min
 Lab File: VU034239.D
 Acq: 03 Sep 2019 20:04

Tgt Ion	Ratio	Lower	Upper
69	100		
41	0.0	50.7	76.1#
39	0.0	24.2	36.2#

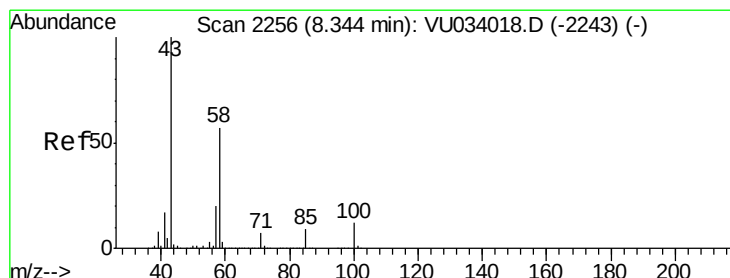
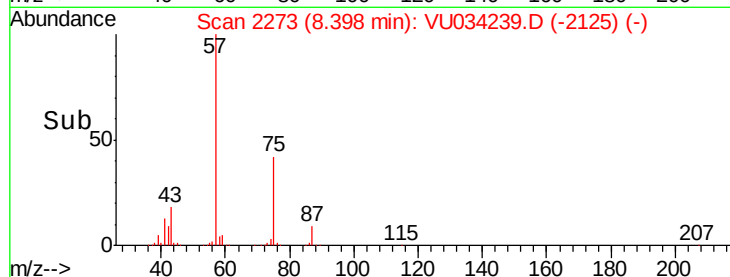
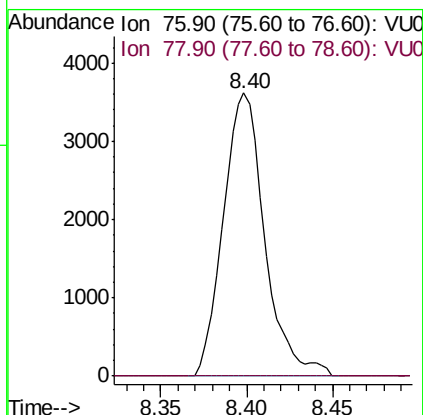
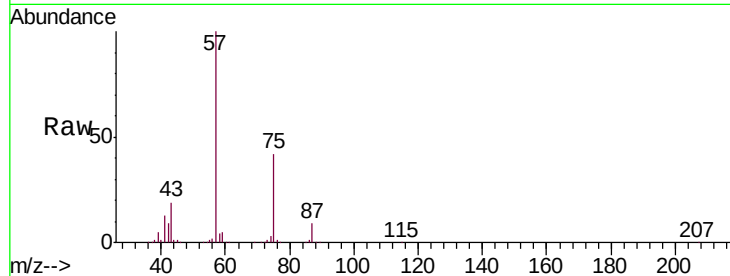




#57
 1,3-Dichloropropane
 Concen: 0.672 ug/l
 RT: 8.40 min Scan# 2273
 Delta R.T. 0.18 min
 Lab File: VU034239.D
 Acq: 03 Sep 2019 20:04

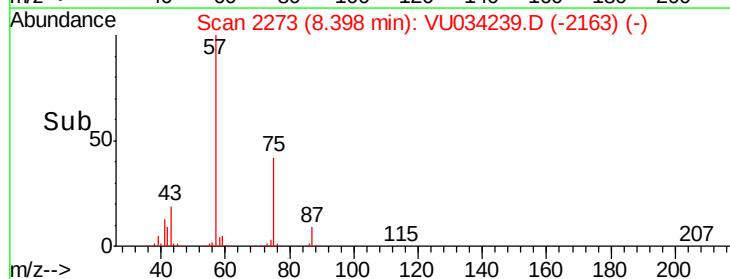
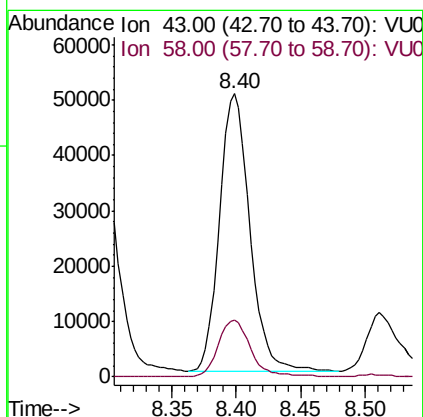
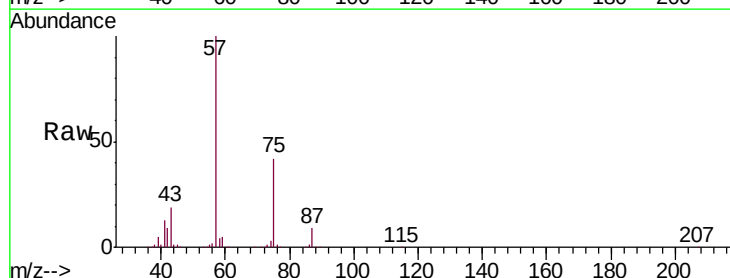
Instrument :
 MSVOA_U
 ClientSampleId :
 T3-S-B1-(2.5)

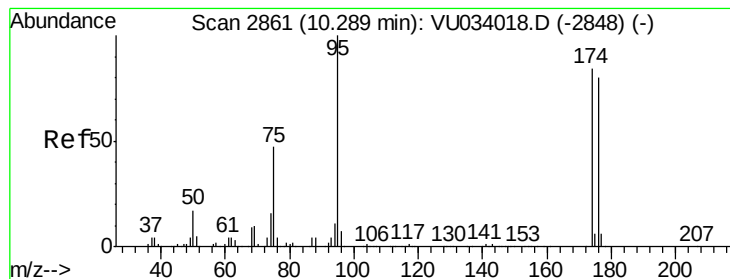
Tgt Ion: 76 Resp: 6071
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.4#



#59
 2-Hexanone
 Concen: 13.688 ug/l
 RT: 8.40 min Scan# 2273
 Delta R.T. 0.05 min
 Lab File: VU034239.D
 Acq: 03 Sep 2019 20:04

Tgt Ion: 43 Resp: 82103
 Ion Ratio Lower Upper
 43 100
 58 21.9 28.4 85.3#





#62

4-Bromofluorobenzene

Concen: 44.589 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU034239.D

Acq: 03 Sep 2019 20:04

Instrument :

MSVOA_U

ClientSampleId :

T3-S-B1-(2.5)

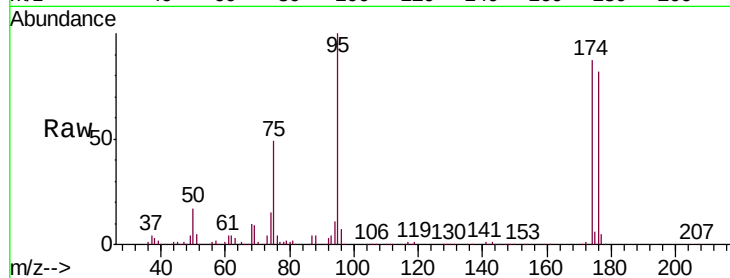
Tgt Ion: 95 Resp: 321602

Ion Ratio Lower Upper

95 100

174 86.1 0.0 168.8

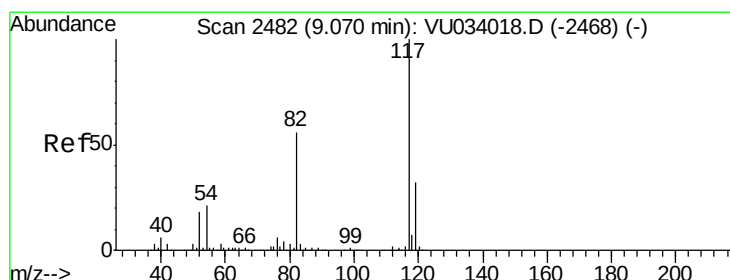
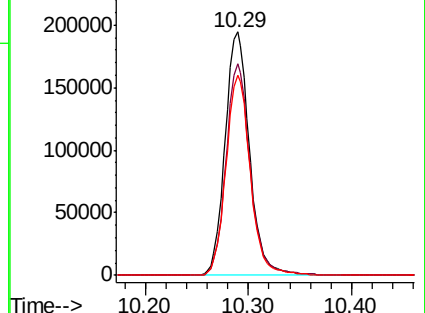
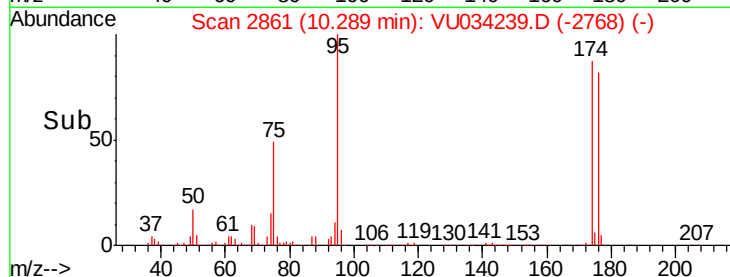
176 82.0 0.0 161.8



Abundance Ion 94.90 (94.60 to 95.60): VU034239.D (-2768) (-)

Ion 173.80 (173.50 to 174.50): VU034239.D (-2768) (-)

Ion 175.80 (175.50 to 176.50): VU034239.D (-2768) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.07 min Scan# 2482

Delta R.T. 0.00 min

Lab File: VU034239.D

Acq: 03 Sep 2019 20:04

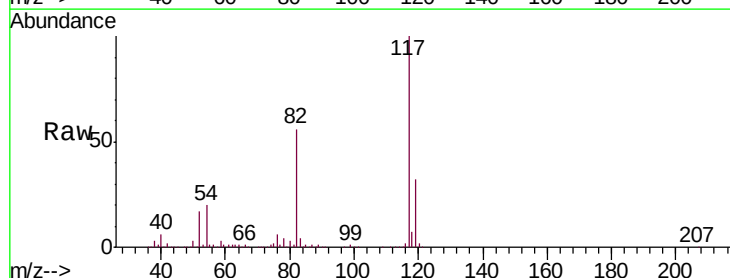
Tgt Ion: 117 Resp: 710177

Ion Ratio Lower Upper

117 100

82 55.9 45.1 67.7

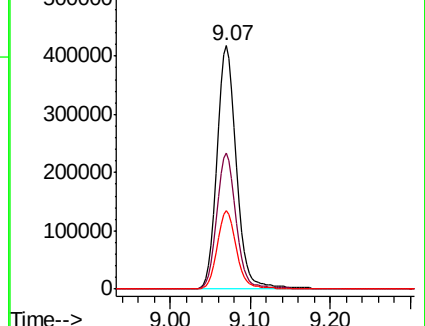
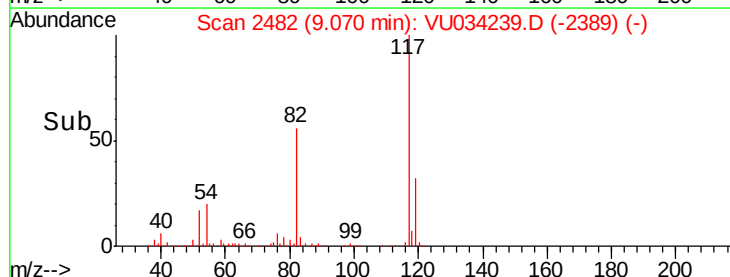
119 32.1 25.4 38.0

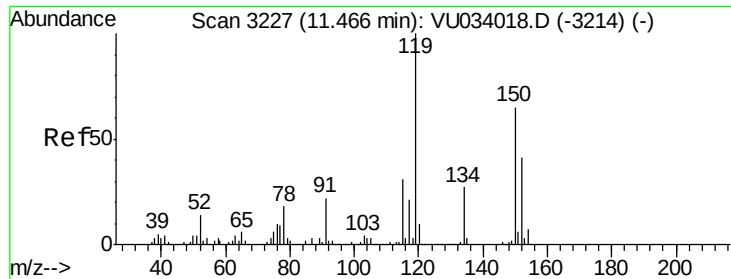


Abundance Ion 116.90 (116.60 to 117.60): VU034239.D (-2389) (-)

Ion 82.00 (81.70 to 82.70): VU034239.D (-2389) (-)

Ion 118.90 (118.60 to 119.60): VU034239.D (-2389) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3226

Delta R.T. -0.00 min

Lab File: VU034239.D

Acq: 03 Sep 2019 20:04

Instrument :

MSVOA_U

ClientSampleId :

T3-S-B1-(2.5)

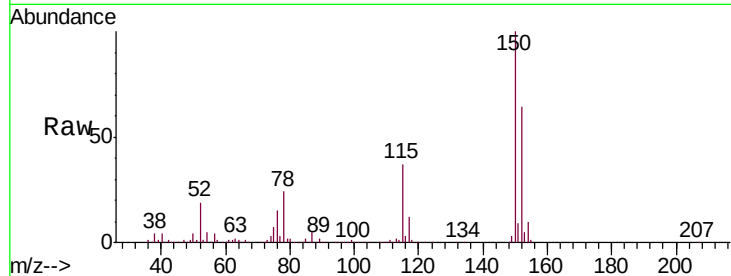
Tgt Ion:152 Resp: 345201

Ion Ratio Lower Upper

152 100

115 56.5 41.1 123.3

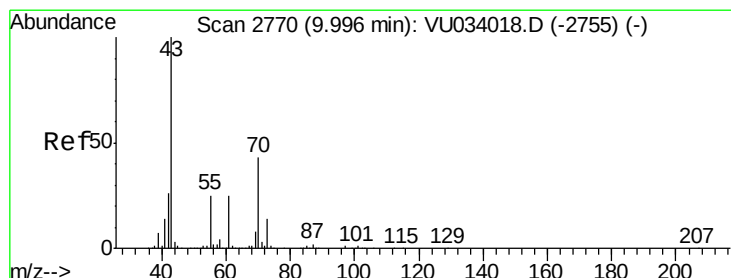
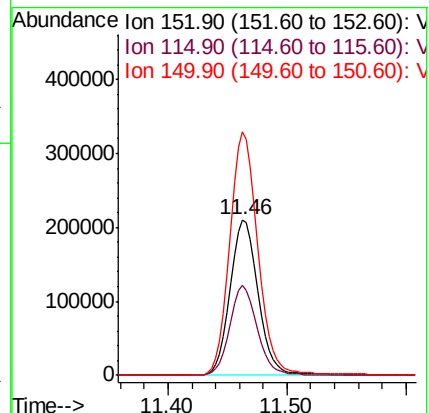
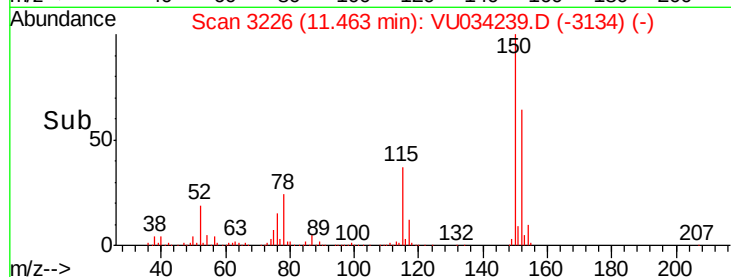
150 157.1 0.0 348.8



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



#74

N-ethyl acetate

Concen: 0.208 ug/l

RT: 9.93 min Scan# 2749

Delta R.T. -0.07 min

Lab File: VU034239.D

Acq: 03 Sep 2019 20:04

Tgt Ion: 43 Resp: 2024

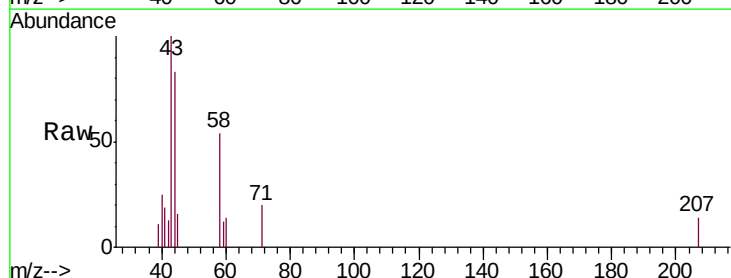
Ion Ratio Lower Upper

43 100

70 0.0 35.2 52.8#

55 5.4 20.5 30.7#

61 0.0 20.0 30.0#

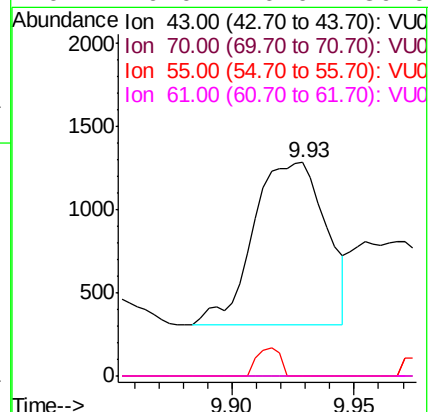
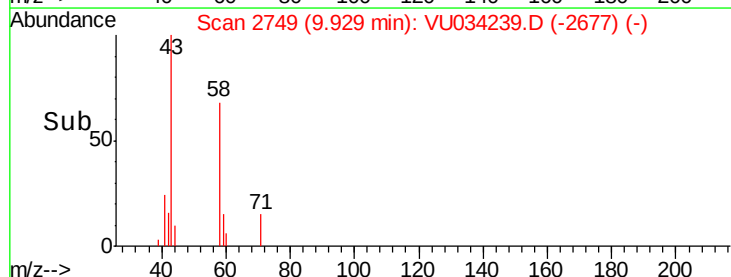


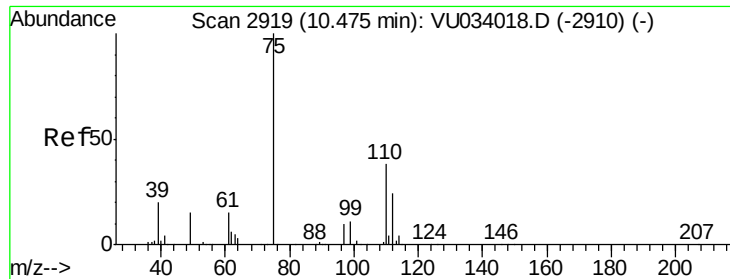
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

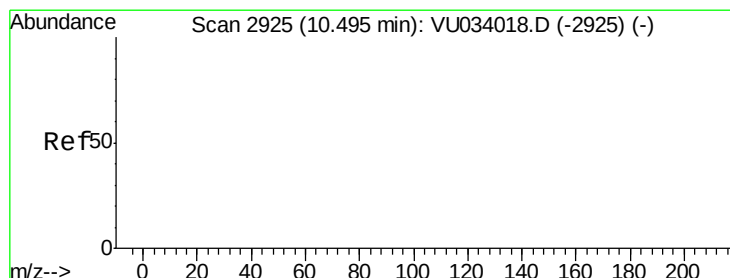
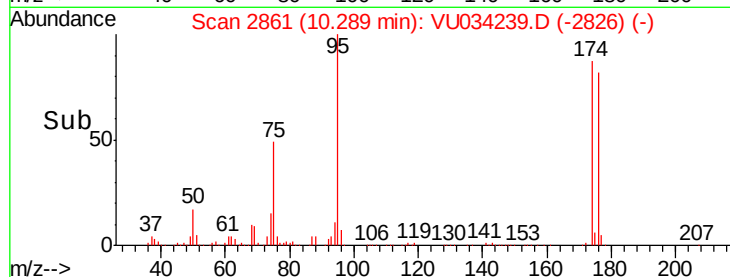
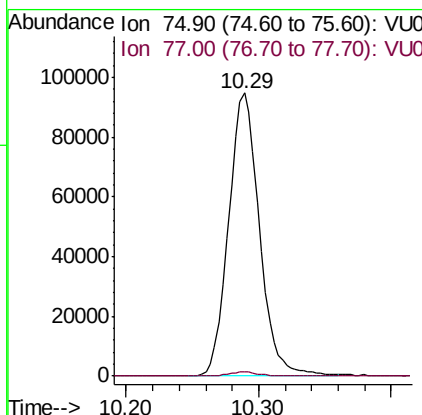
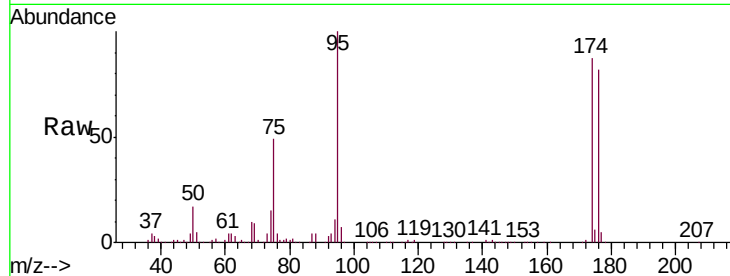




#76
 1,2,3-Trichloropropane
 Concen: 19.692 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. -0.19 min
 Lab File: VU034239.D
 Acq: 03 Sep 2019 20:04

Instrument :
 MSVOA_U
 ClientSampleId :
 T3-S-B1-(2.5)

Tgt Ion: 75 Resp: 153207
 Ion Ratio Lower Upper
 75 100
 77 1.5 20.1 60.2#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.307 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. -0.21 min
 Lab File: VU034239.D
 Acq: 03 Sep 2019 20:04

Tgt Ion: 75 Resp: 153207
 Ion Ratio Lower Upper
 75 100
 53 0.2 0.0 0.0#
 89 0.0 0.0 0.0

