

Data File : VU034233.D
Acq On : 03 Sep 2019 17:44
Operator : JC/SP
Sample : K4546-26
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
T3-S-C3-(2.5)

Quant Time: Sep 04 04:26:25 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	432649	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	698593	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	695639	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	343454	50.00	ug/l	0.00

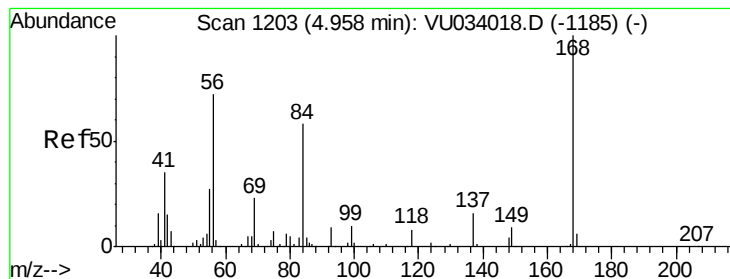
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	273219	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
35) Dibromofluoromethane	4.86	113	228841	47.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.46%	
50) Toluene-d8	7.55	98	907959	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
62) 4-Bromofluorobenzene	10.29	95	316629	44.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.72%	

Target Compounds			Qvalue			
3) Chloromethane	1.32	50	374	Below Cal	#	84
5) Bromomethane	1.63	94	750	Below Cal		87
11) Tert butyl alcohol	2.83	59	4079	3.191	ug/l #	73
16) Acetone	2.31	43	10696	3.781	ug/l	96
18) Methyl Acetate	2.61	43	3569	0.488	ug/l	90
20) Methylene Chloride	2.69	84	5273	0.985	ug/l	98
31) Cyclohexane	4.96	56	7232	0.874	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	30643	4.637	ug/l #	49
38) Carbon Tetrachloride	4.96	117	40092	6.286	ug/l #	16
43) Isopropyl Acetate	5.53	43	77725	6.904	ug/l	99
48) Methyl methacrylate	6.53	41	4760	0.876	ug/l #	14
49) 1,4-Dioxane	6.69	88	79	0.580	ug/l #	1
51) 4-Methyl-2-Pentanone	7.40	43	66272	8.524	ug/l #	47
54) cis-1,3-Dichloropropene	7.40	75	35254	4.192	ug/l #	62
56) Ethyl methacrylate	7.99	69	86	0.981	ug/l #	27
57) 1,3-Dichloropropane	8.40	76	5719	0.647	ug/l #	42
59) 2-Hexanone	8.40	43	80713	13.753	ug/l #	54
74) N-amyl acetate	9.93	43	2522	0.260	ug/l #	43
76) 1,2,3-Trichloropropane	10.29	75	150593	19.454	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.29	75	150593	65.507	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.54	180	64	1.122	ug/l #	12
95) Naphthalene	13.80	128	136	1.796	ug/l #	70

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

Quant Time: Sep 04 04:26:25 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034233.D

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MSVOA_U

ClientSampleId :

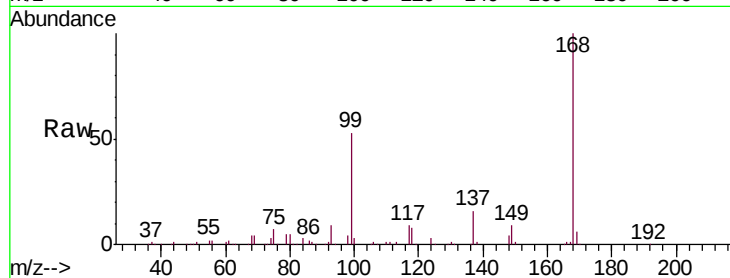
T3-S-C3-(2.5)

Tgt Ion: 168 Resp: 432649

Ion Ratio Lower Upper

168 100

99 53.2 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

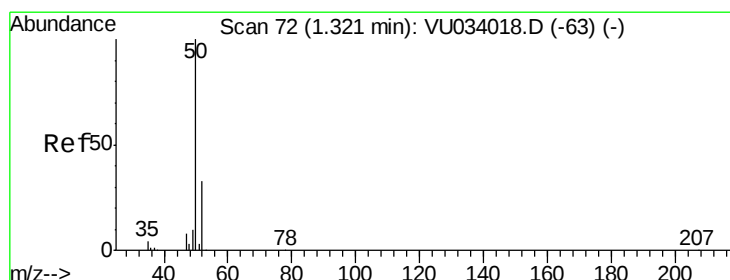
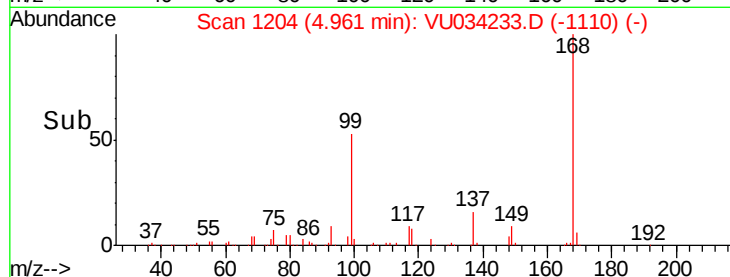
100000

50000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034233.D

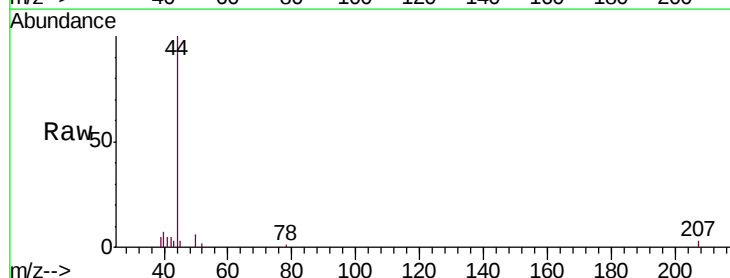
Acq: 03 Sep 2019 17:44

Tgt Ion: 50 Resp: 374

Ion Ratio Lower Upper

50 100

52 41.8 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

400

300

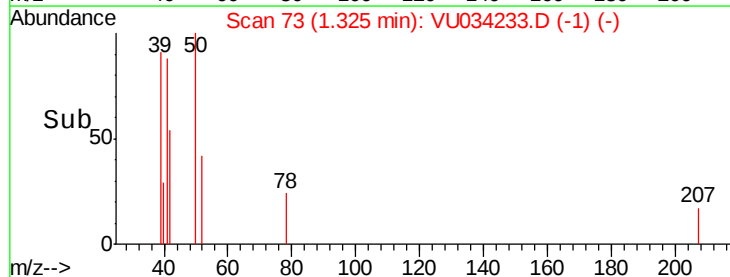
200

100

0

1.30 1.32 1.34

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 169

Delta R.T. 0.04 min

Lab File: VU034233.D

Acq: 03 Sep 2019 17:44

Instrument :

MSVOA_U

ClientSampleId :

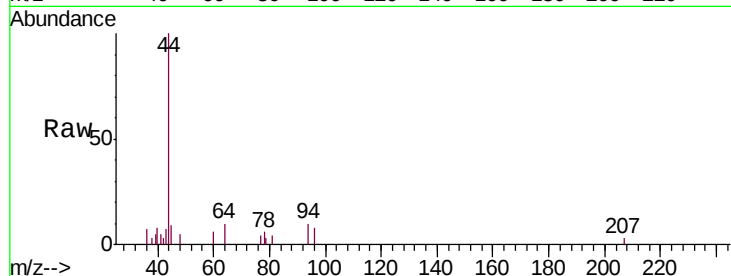
T3-S-C3-(2.5)

Tgt Ion: 94 Resp: 750

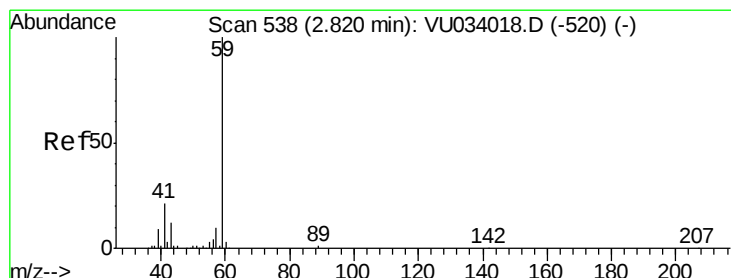
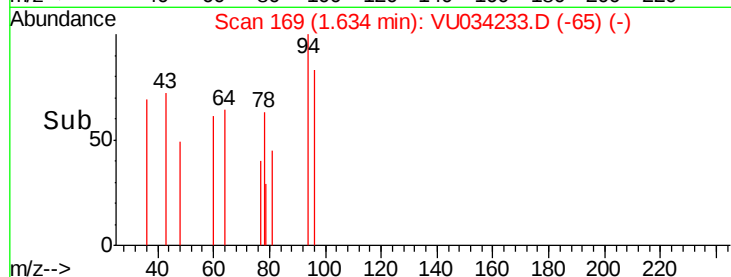
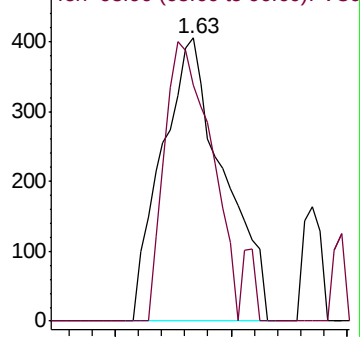
Ion Ratio Lower Upper

94 100

96 83.2 76.3 114.5



Abundance Ion 93.90 (93.60 to 94.60): VU034018.D (-143) (-)



#11

Tert butyl alcohol

Concen: 3.191 ug/l

RT: 2.83 min Scan# 540

Delta R.T. 0.01 min

Lab File: VU034233.D

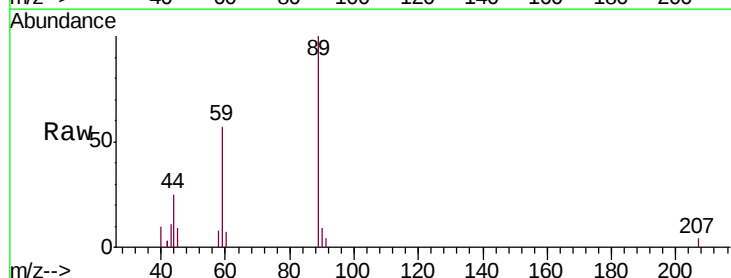
Acq: 03 Sep 2019 17:44

Tgt Ion: 59 Resp: 4079

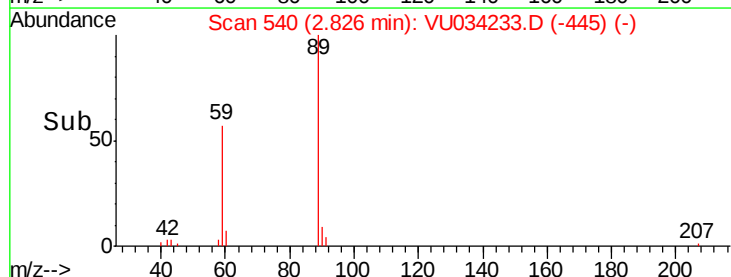
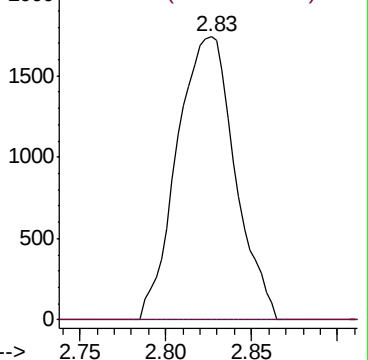
Ion Ratio Lower Upper

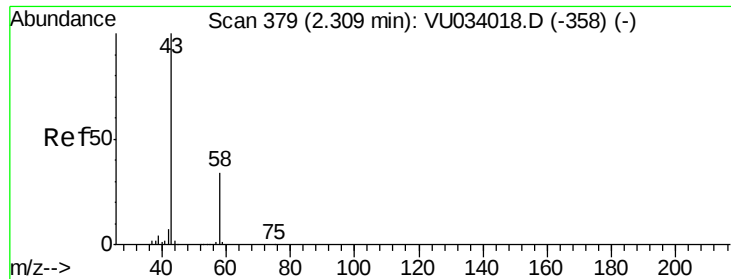
59 100

57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VU034018.D (-520) (-)





#16

Acetone

Concen: 3.781 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034233.D

Acq: 03 Sep 2019 17:44

Instrument :

MSVOA_U

ClientSampleId :

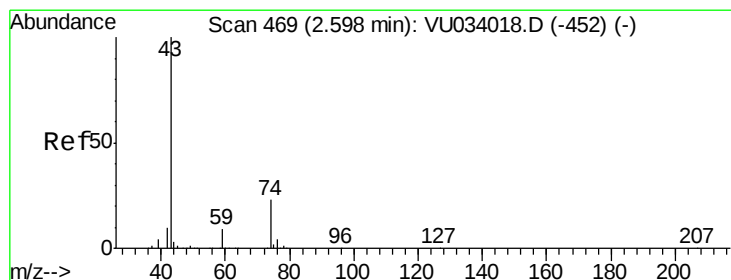
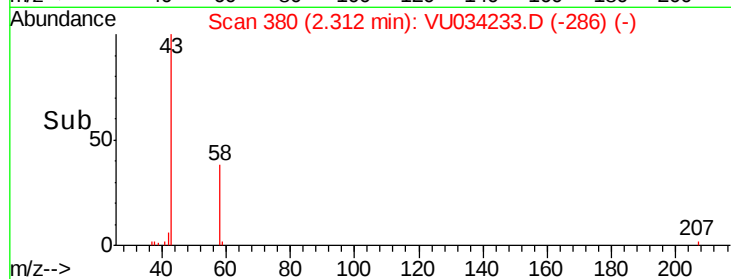
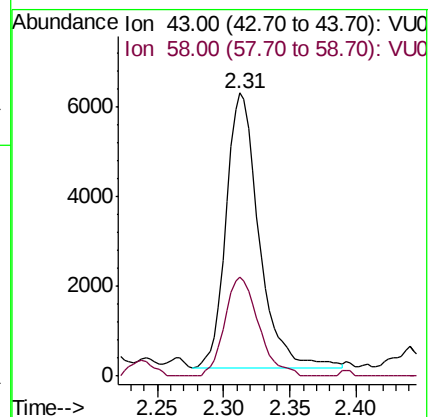
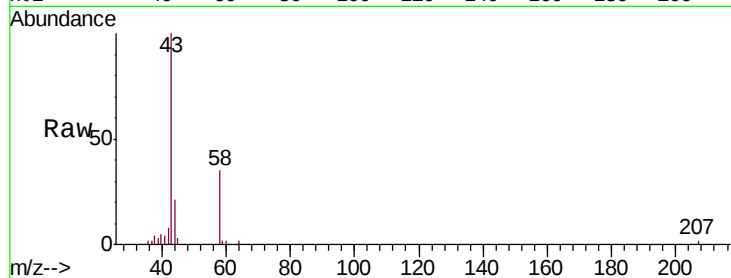
T3-S-C3-(2.5)

Tgt Ion: 43 Resp: 10696

Ion Ratio Lower Upper

43 100

58 36.0 26.8 40.2



#18

Methyl Acetate

Concen: 0.488 ug/l

RT: 2.61 min Scan# 474

Delta R.T. 0.02 min

Lab File: VU034233.D

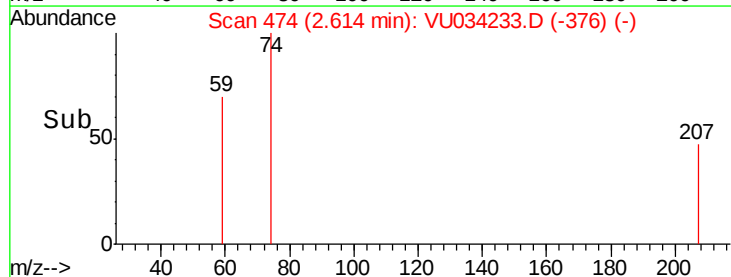
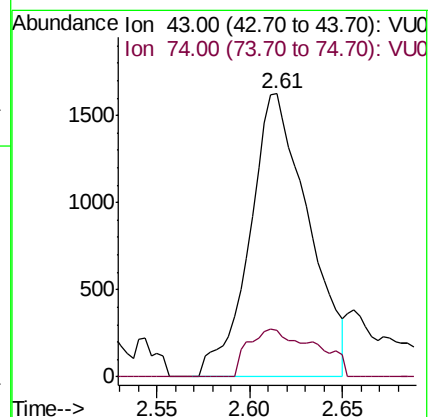
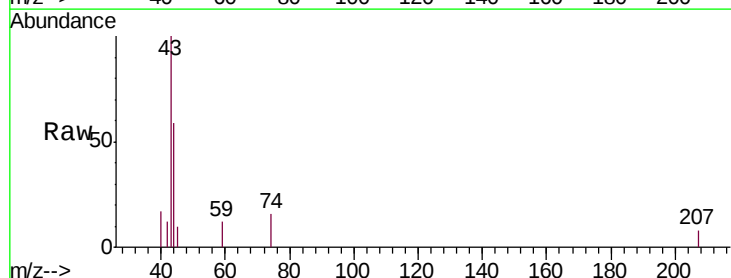
Acq: 03 Sep 2019 17:44

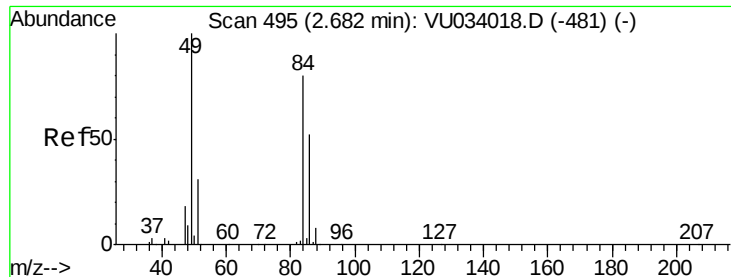
Tgt Ion: 43 Resp: 3569

Ion Ratio Lower Upper

43 100

74 19.3 19.2 28.8

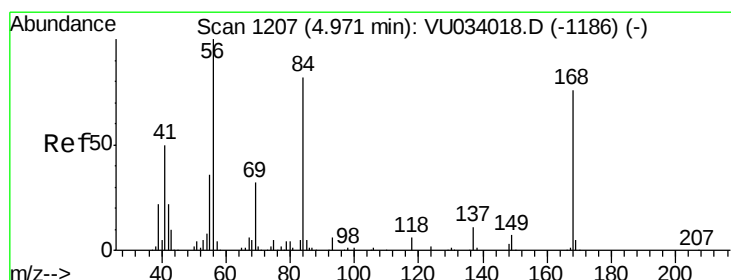
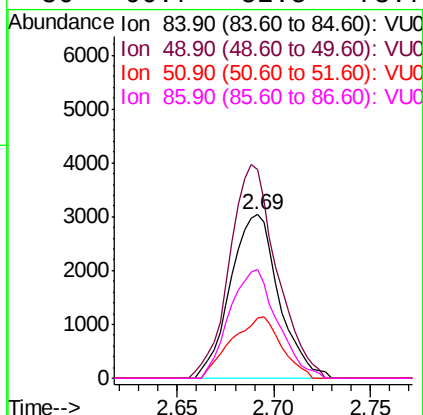
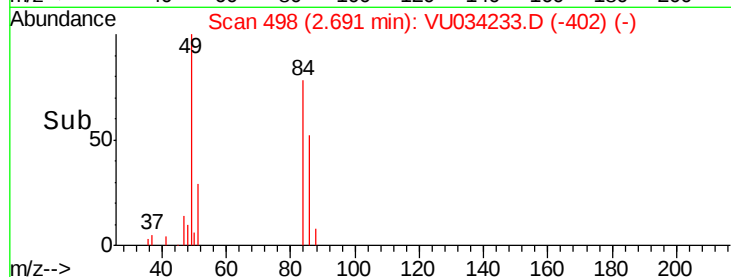
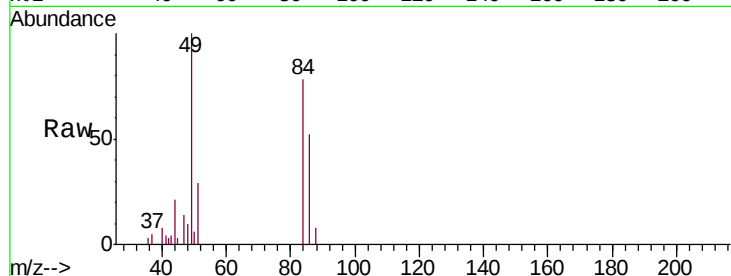




#20
Methylene Chloride
Concen: 0.985 ug/l
RT: 2.69 min Scan# 498
Delta R.T. 0.01 min
Lab File: VU034233.D
Acq: 03 Sep 2019 17:44

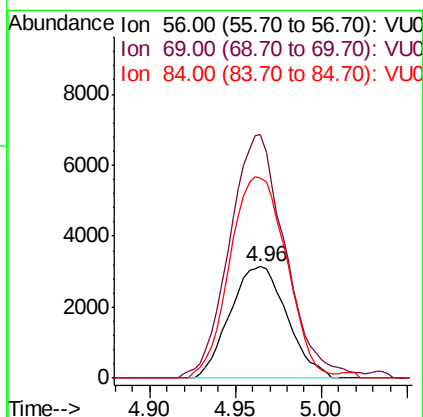
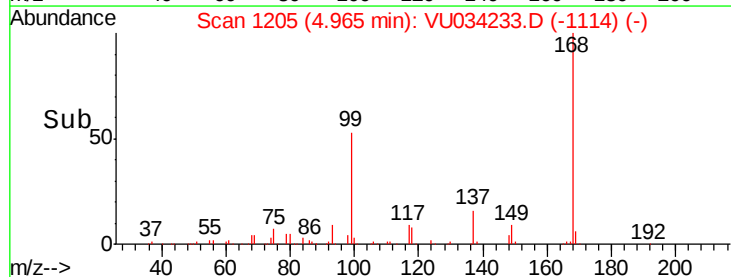
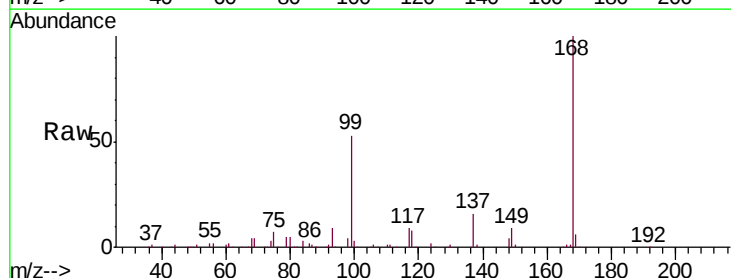
Instrument :
MSVOA_U
ClientSampleId :
T3-S-C3-(2.5)

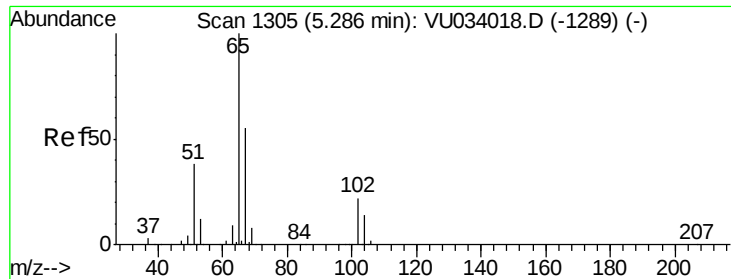
Tgt Ion:	84	Resp:	5273
Ion	Ratio	Lower	Upper
84	100		
49	127.5	100.2	150.4
51	36.6	30.8	46.2
86	66.7	52.5	78.7



#31
Cyclohexane
Concen: 0.874 ug/l
RT: 4.96 min Scan# 1205
Delta R.T. -0.01 min
Lab File: VU034233.D
Acq: 03 Sep 2019 17:44

Tgt Ion:	56	Resp:	7232
Ion	Ratio	Lower	Upper
56	100		
69	212.9	25.4	38.0#
84	179.7	65.8	98.8#

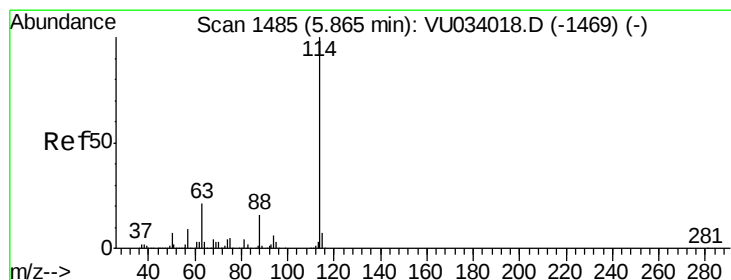
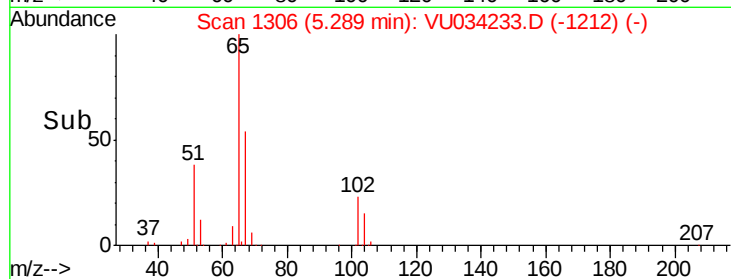
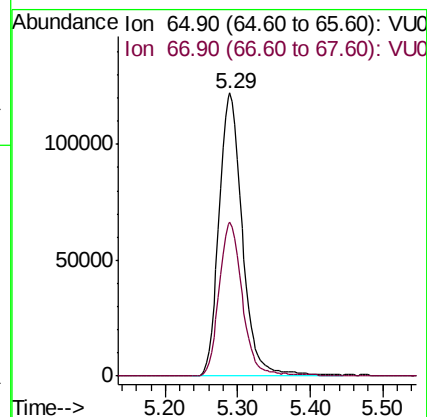
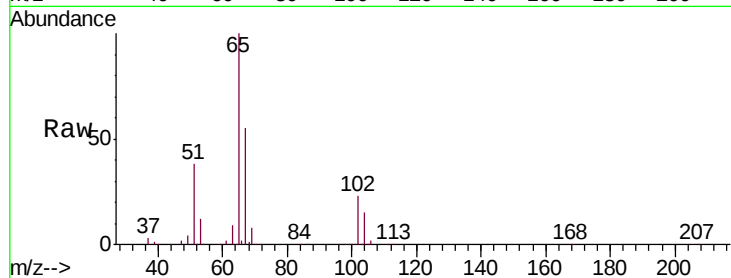




#33
 1,2-Dichloroethane-d4
 Concen: 49.285 ug/l
 RT: 5.29 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU034233.D
 Acq: 03 Sep 2019 17:44

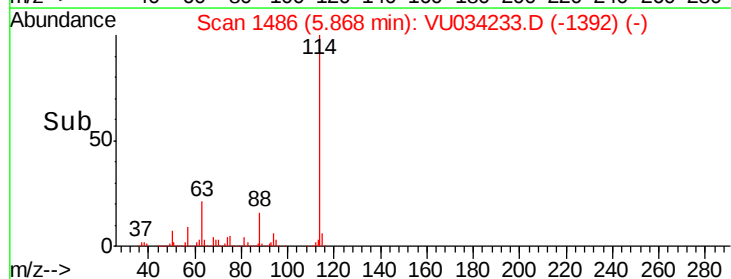
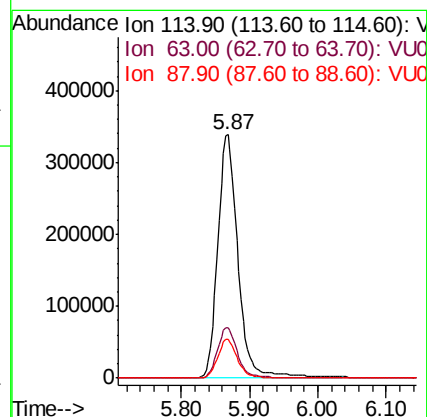
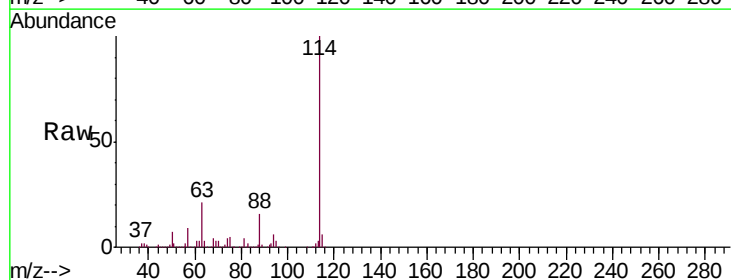
Instrument :
 MSVOA_U
 ClientSampleId :
 T3-S-C3-(2.5)

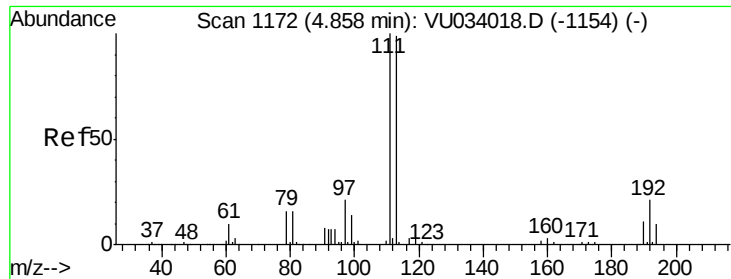
Tgt Ion: 65 Resp: 273219
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034233.D
 Acq: 03 Sep 2019 17:44

Tgt Ion: 114 Resp: 698593
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 42.0
 88 15.9 0.0 32.0





#35

Dibromofluoromethane

Concen: 47.229 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034233.D

Acq: 03 Sep 2019 17:44

Instrument :

MSVOA_U

ClientSampleId :

T3-S-C3-(2.5)

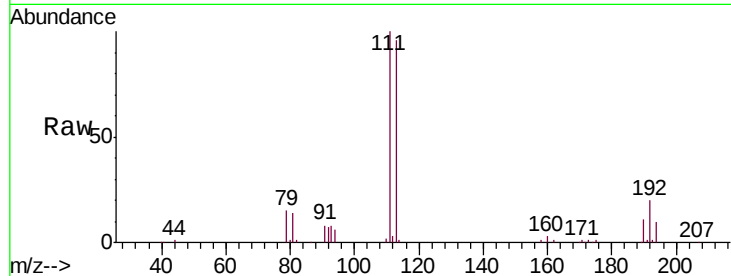
Tgt Ion:113 Resp: 228841

Ion Ratio Lower Upper

113 100

111 103.0 81.7 122.5

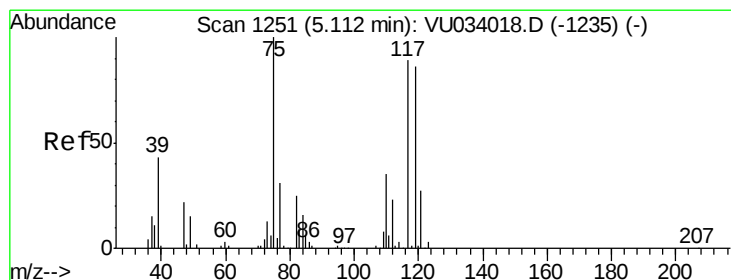
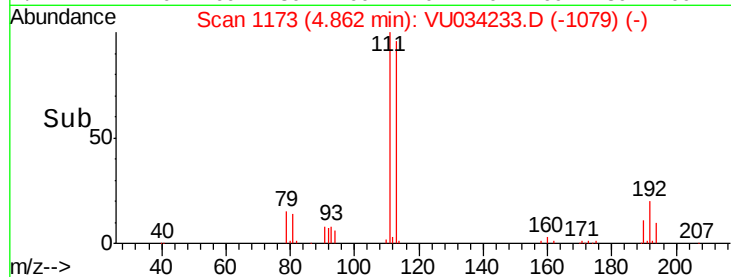
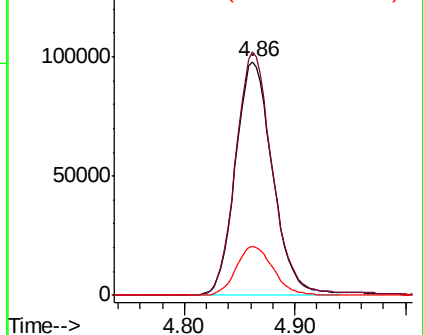
192 21.0 17.1 25.7



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: 4.637 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.15 min

Lab File: VU034233.D

Acq: 03 Sep 2019 17:44

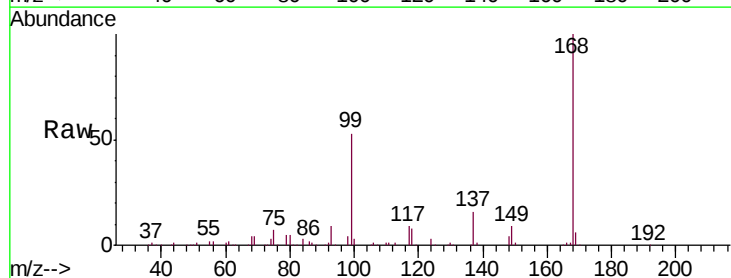
Tgt Ion: 75 Resp: 30643

Ion Ratio Lower Upper

75 100

110 8.8 17.8 53.5#

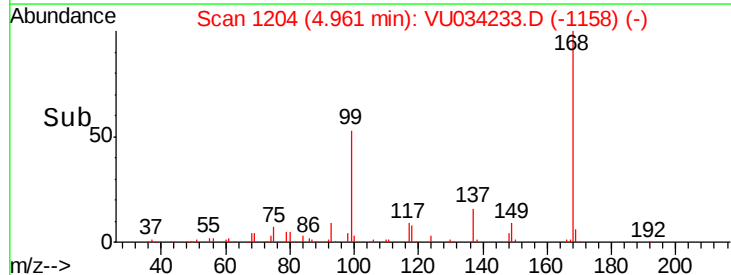
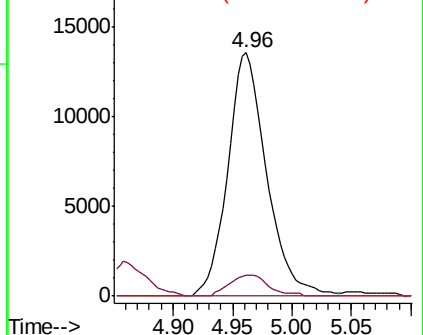
77 0.0 25.0 37.4#

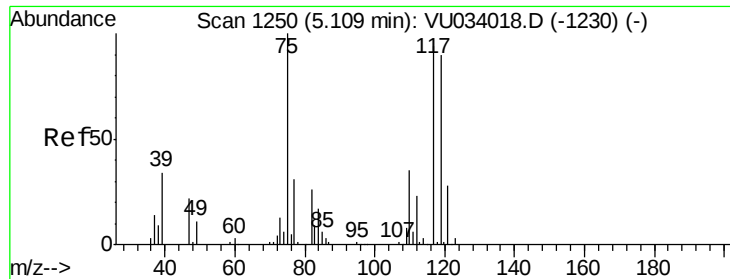


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 6.286 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.15 min

Lab File: VU034233.D

Acq: 03 Sep 2019 17:44

Instrument :

MSVOA_U

ClientSampleId :

T3-S-C3-(2.5)

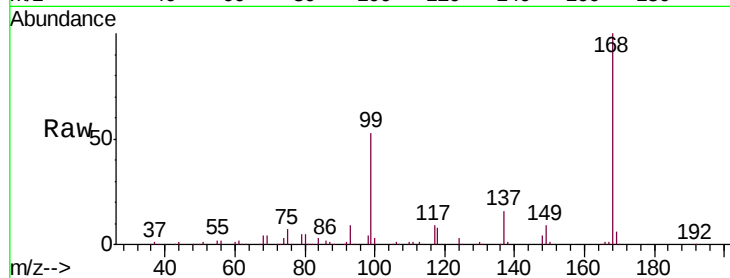
Tgt Ion:117 Resp: 40092

Ion Ratio Lower Upper

117 100

119 5.0 77.0 115.4#

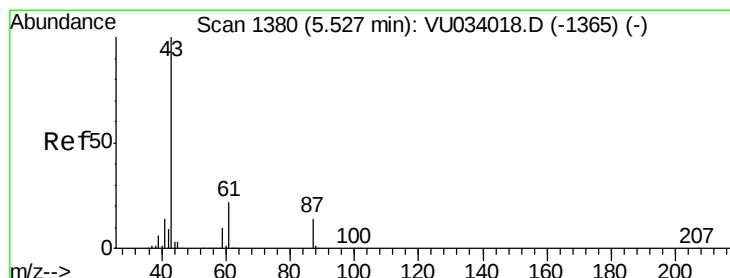
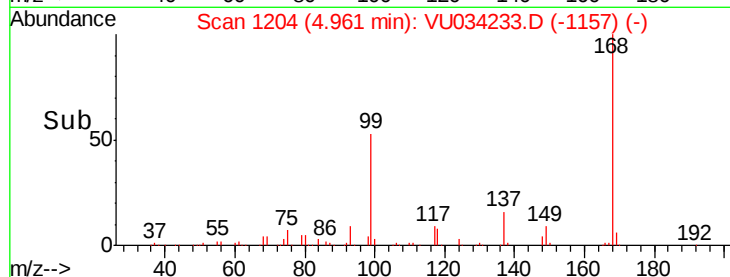
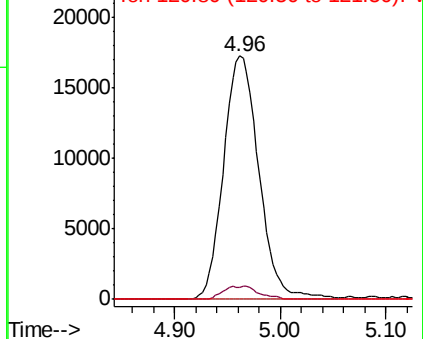
121 0.0 23.9 35.9#



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: 6.904 ug/l

RT: 5.53 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VU034233.D

Acq: 03 Sep 2019 17:44

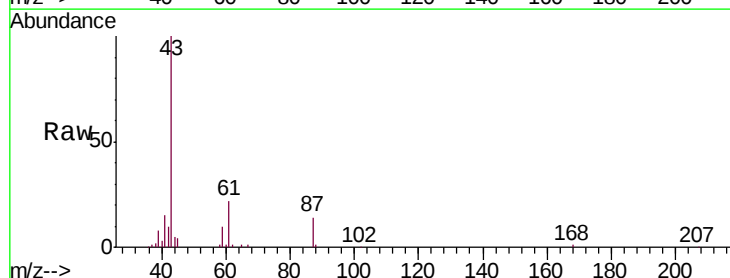
Tgt Ion: 43 Resp: 77725

Ion Ratio Lower Upper

43 100

61 21.9 17.2 25.8

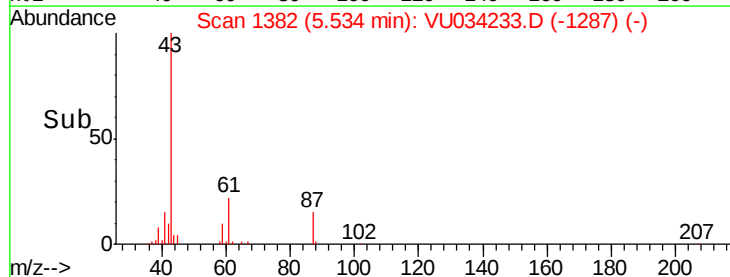
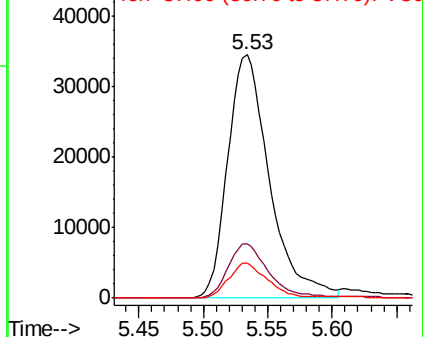
87 13.4 10.8 16.2

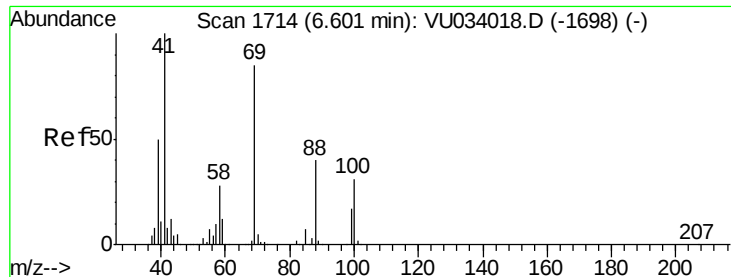


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

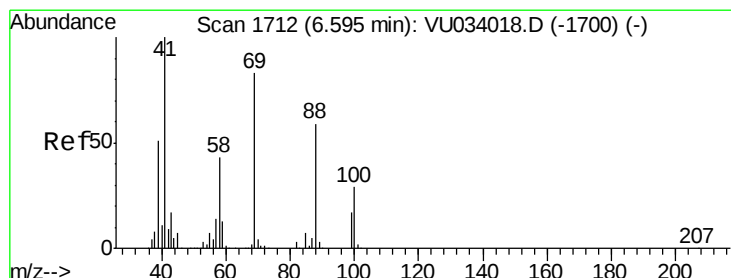
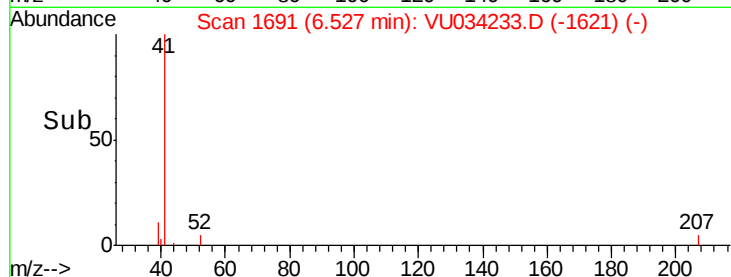
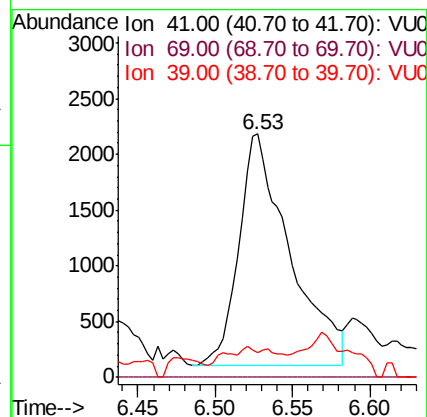
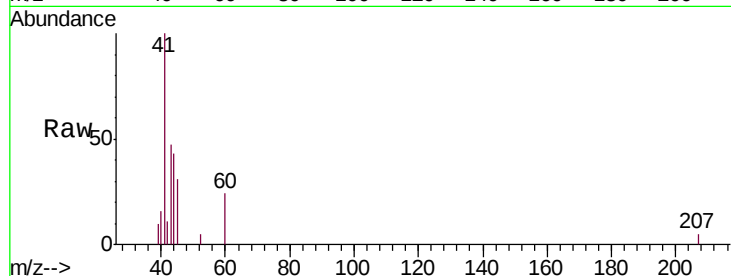




#48
Methyl methacrylate
Concen: 0.876 ug/l
RT: 6.53 min Scan# 1691
Delta R.T. -0.07 min
Lab File: VU034233.D
Acq: 03 Sep 2019 17:44

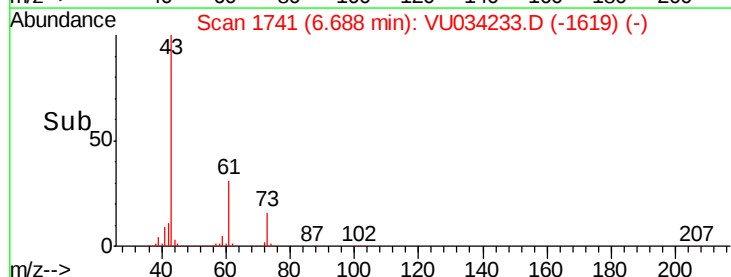
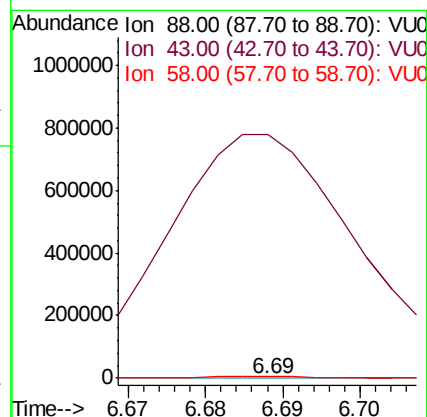
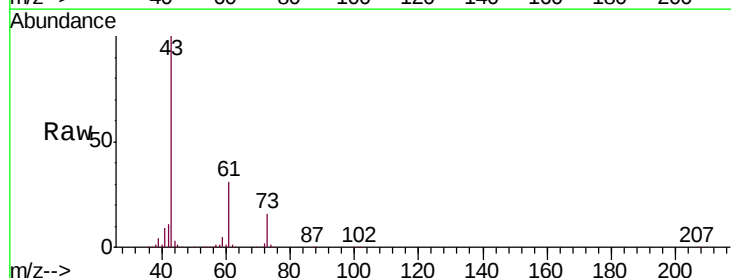
Instrument :
MSVOA_U
ClientSampleId :
T3-S-C3-(2.5)

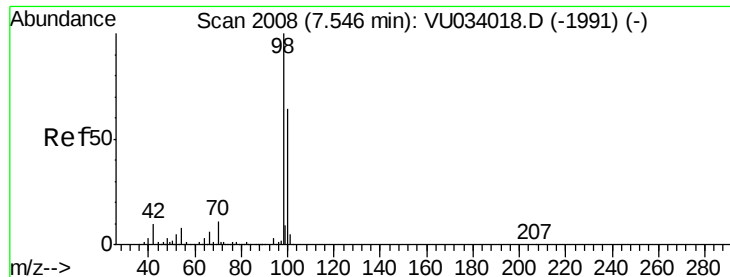
Tgt Ion: 41 Resp: 4760
Ion Ratio Lower Upper
41 100
69 0.0 69.5 104.3#
39 0.0 40.3 60.5#



#49
1,4-Dioxane
Concen: 0.580 ug/l
RT: 6.69 min Scan# 1741
Delta R.T. 0.09 min
Lab File: VU034233.D
Acq: 03 Sep 2019 17:44

Tgt Ion: 88 Resp: 79
Ion Ratio Lower Upper
88 100
43 1826787.3 24.8 37.2#
58 10321.5 59.3 88.9#





#50

Toluene-d8

Concen: 50.045 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VU034233.D

Acq: 03 Sep 2019 17:44

Instrument :

MSVOA_U

ClientSampleId :

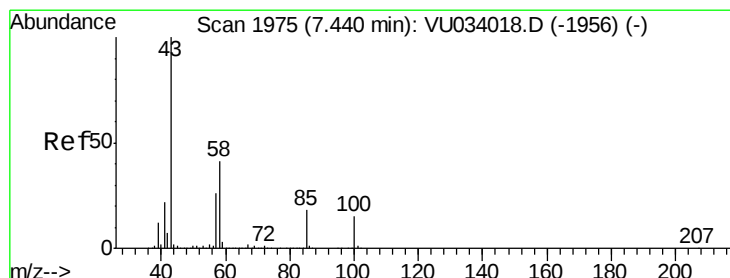
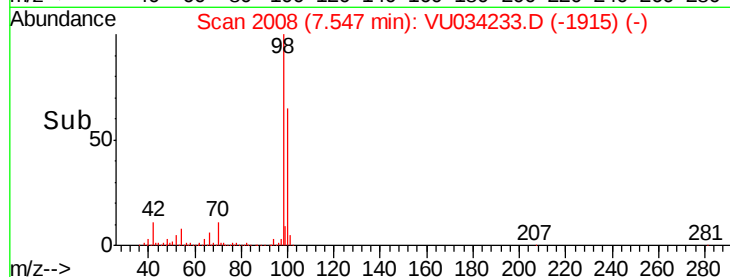
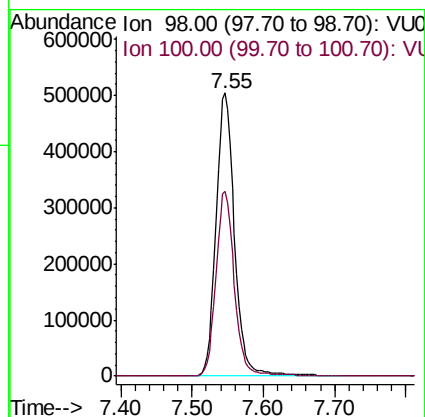
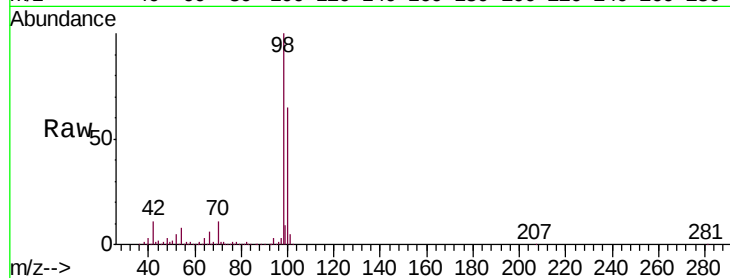
T3-S-C3-(2.5)

Tgt Ion: 98 Resp: 907959

Ion Ratio Lower Upper

98 100

100 64.9 50.3 75.5



#51

4-Methyl-2-Pentanone

Concen: 8.524 ug/l

RT: 7.40 min Scan# 1963

Delta R.T. -0.04 min

Lab File: VU034233.D

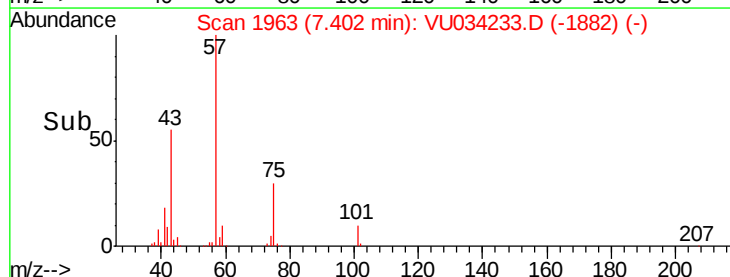
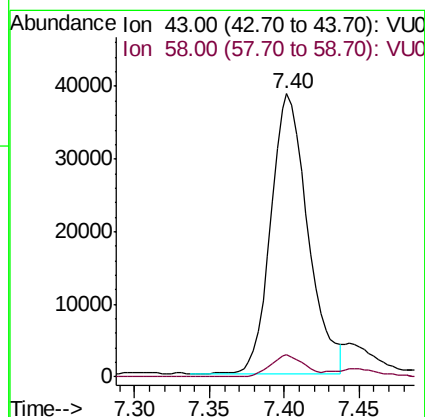
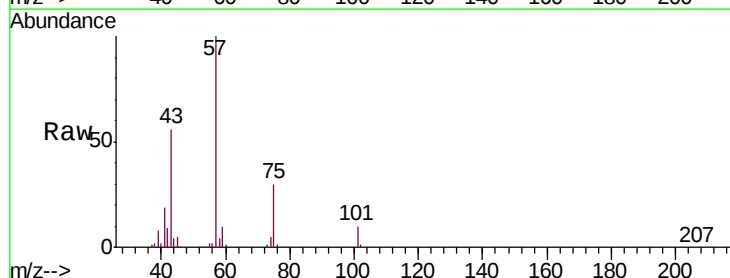
Acq: 03 Sep 2019 17:44

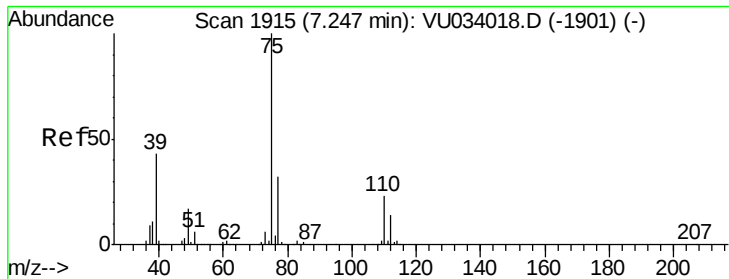
Tgt Ion: 43 Resp: 66272

Ion Ratio Lower Upper

43 100

58 7.6 32.2 48.4#



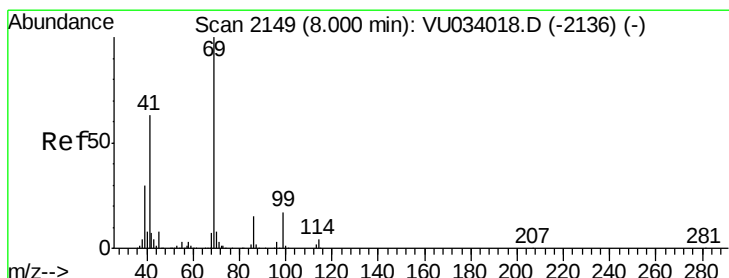
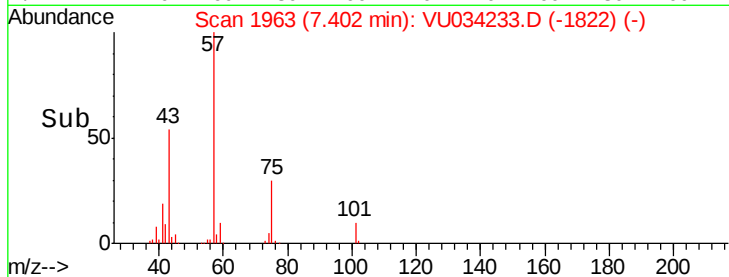
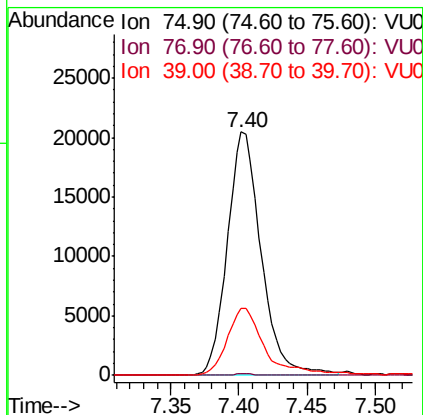
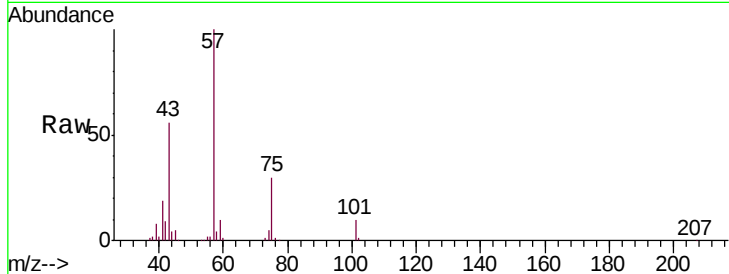


#54

cis-1,3-Dichloropropene
 Concen: 4.192 ug/l
 RT: 7.40 min Scan# 1963
 Delta R.T. 0.15 min
 Lab File: VU034233.D
 Acq: 03 Sep 2019 17:44

Instrument :
 MSVOA_U
 ClientSampleId :
 T3-S-C3-(2.5)

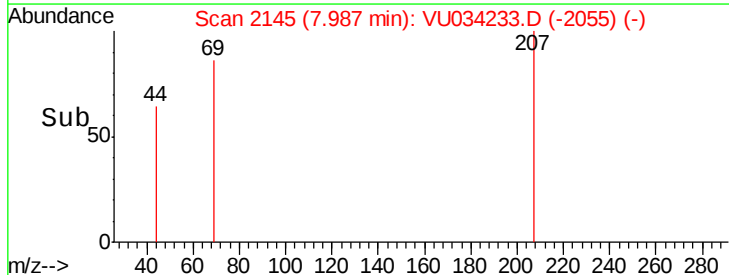
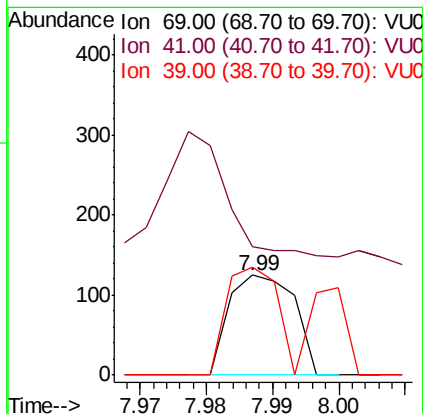
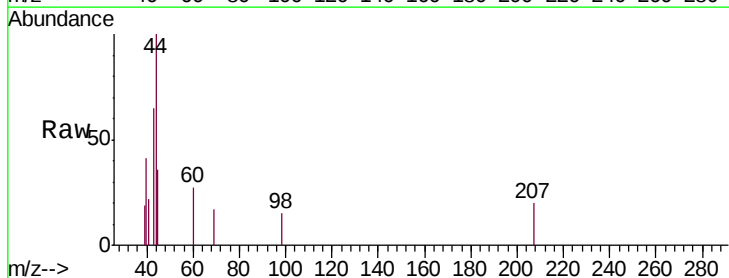
Tgt Ion: 75 Resp: 35254
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.2 37.8#
 39 27.5 34.6 51.8#

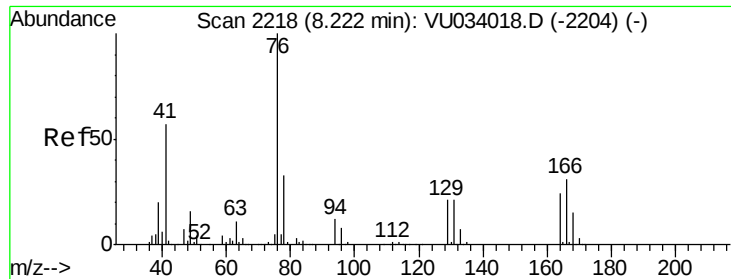


#56

Ethyl methacrylate
 Concen: 0.981 ug/l
 RT: 7.99 min Scan# 2145
 Delta R.T. -0.01 min
 Lab File: VU034233.D
 Acq: 03 Sep 2019 17:44

Tgt Ion: 69 Resp: 86
 Ion Ratio Lower Upper
 69 100
 41 0.0 50.7 76.1#
 39 0.0 24.2 36.2#

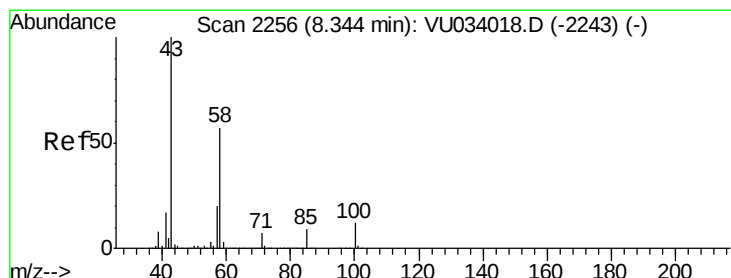
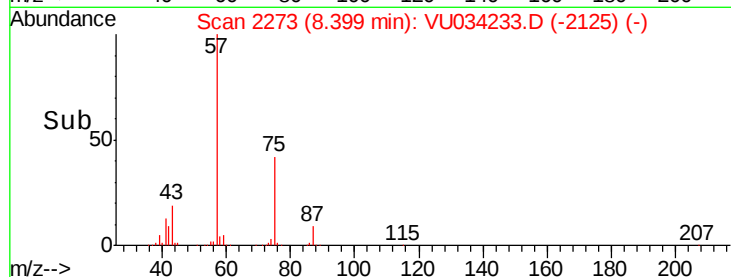
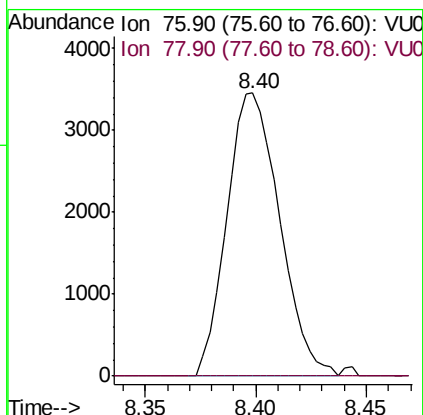
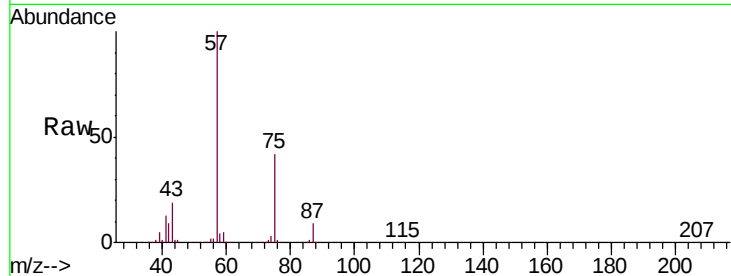




#57
 1,3-Dichloropropane
 Concen: 0.647 ug/l
 RT: 8.40 min Scan# 2273
 Delta R.T. 0.18 min
 Lab File: VU034233.D
 Acq: 03 Sep 2019 17:44

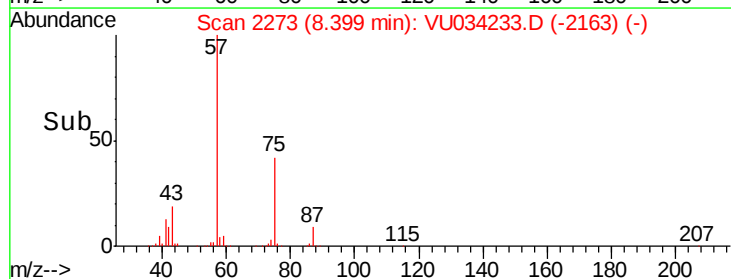
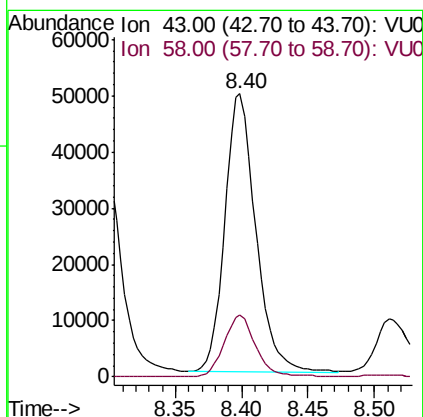
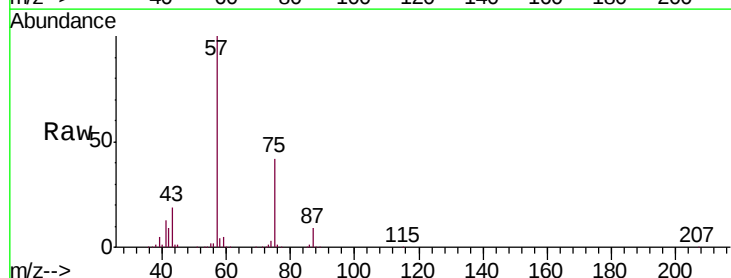
Instrument :
 MSVOA_U
 ClientSampleId :
 T3-S-C3-(2.5)

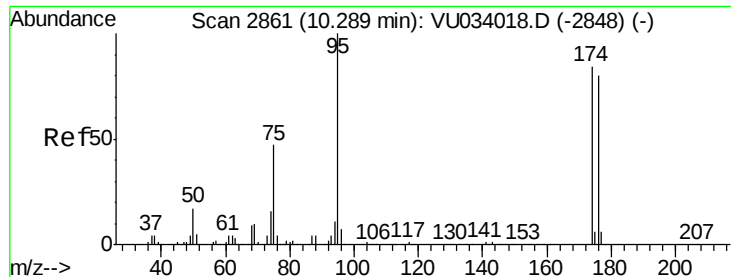
Tgt Ion: 76 Resp: 5719
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.4#



#59
 2-Hexanone
 Concen: 13.753 ug/l
 RT: 8.40 min Scan# 2273
 Delta R.T. 0.05 min
 Lab File: VU034233.D
 Acq: 03 Sep 2019 17:44

Tgt Ion: 43 Resp: 80713
 Ion Ratio Lower Upper
 43 100
 58 22.9 28.4 85.3#

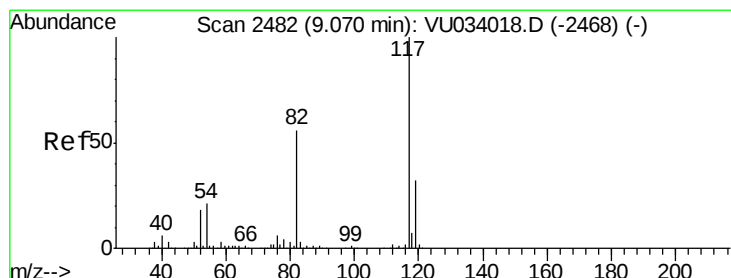
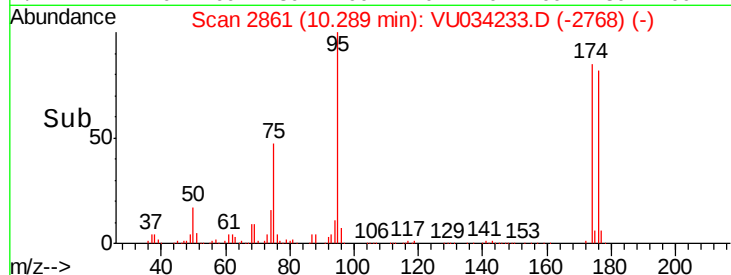
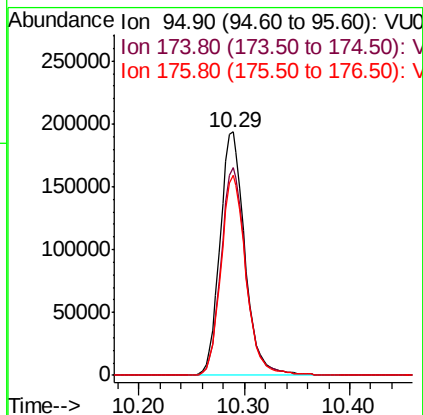
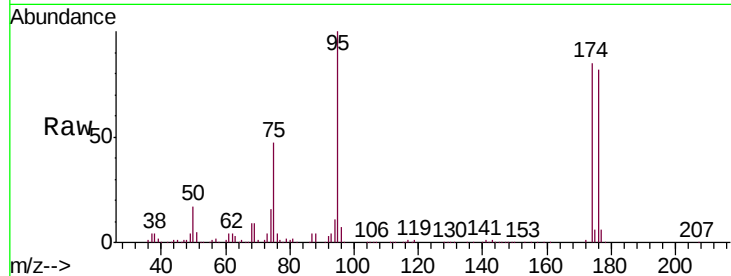




#62
4-Bromofluorobenzene
Concen: 44.865 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. 0.00 min
Lab File: VU034233.D
Acq: 03 Sep 2019 17:44

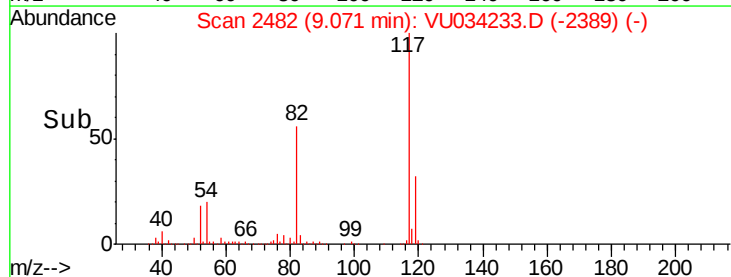
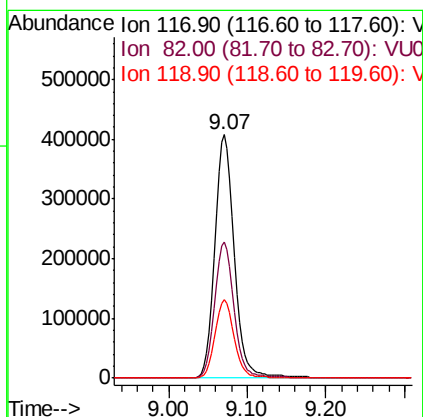
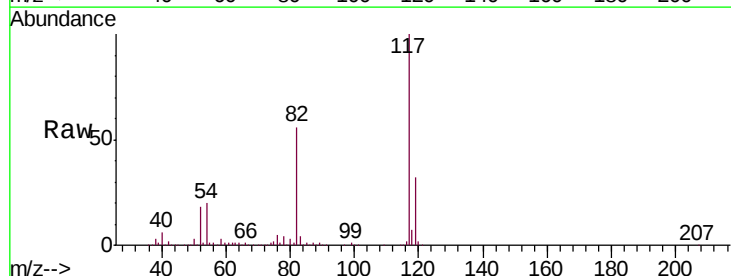
Instrument :
MSVOA_U
ClientSampleId :
T3-S-C3-(2.5)

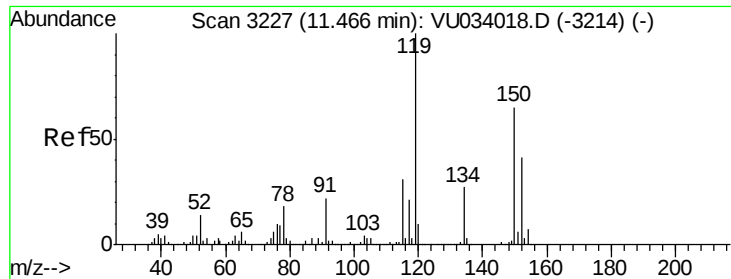
Tgt Ion: 95 Resp: 316629
Ion Ratio Lower Upper
95 100
174 85.9 0.0 168.8
176 82.3 0.0 161.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034233.D
Acq: 03 Sep 2019 17:44

Tgt Ion: 117 Resp: 695639
Ion Ratio Lower Upper
117 100
82 56.0 45.1 67.7
119 32.1 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3226

Delta R.T. -0.00 min

Lab File: VU034233.D

Acq: 03 Sep 2019 17:44

Instrument :

MSVOA_U

ClientSampleId :

T3-S-C3-(2.5)

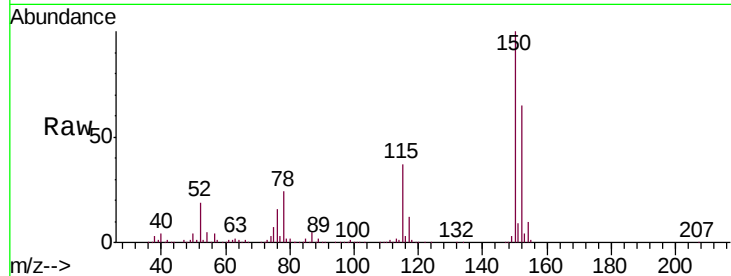
Tgt Ion:152 Resp: 343454

Ion Ratio Lower Upper

152 100

115 56.4 41.1 123.3

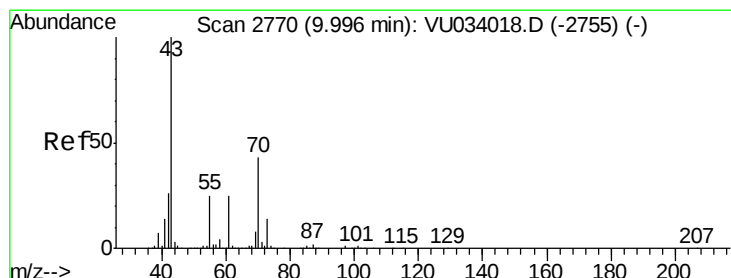
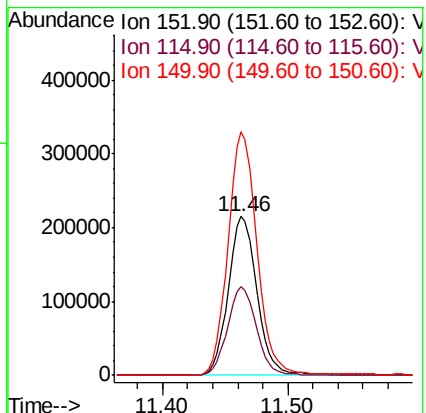
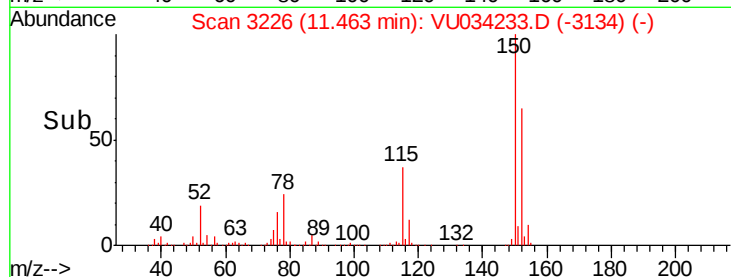
150 154.6 0.0 348.8



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: 0.260 ug/l

RT: 9.93 min Scan# 2748

Delta R.T. -0.07 min

Lab File: VU034233.D

Acq: 03 Sep 2019 17:44

Tgt Ion: 43 Resp: 2522

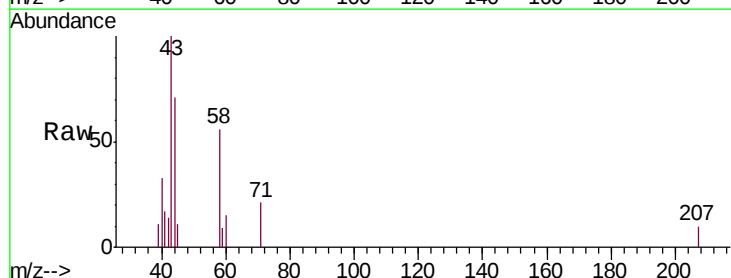
Ion Ratio Lower Upper

43 100

70 0.0 35.2 52.8#

55 3.6 20.5 30.7#

61 0.0 20.0 30.0#

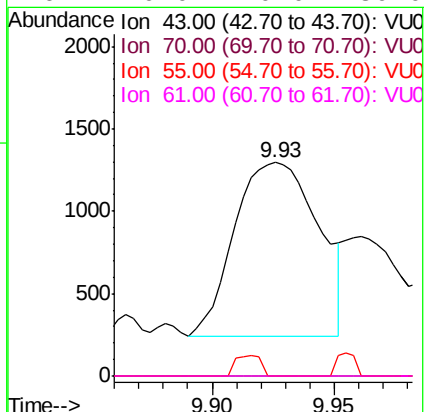
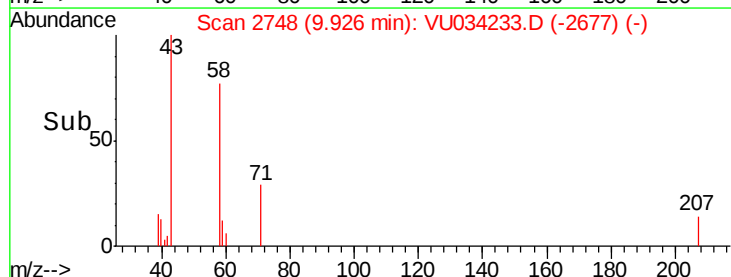


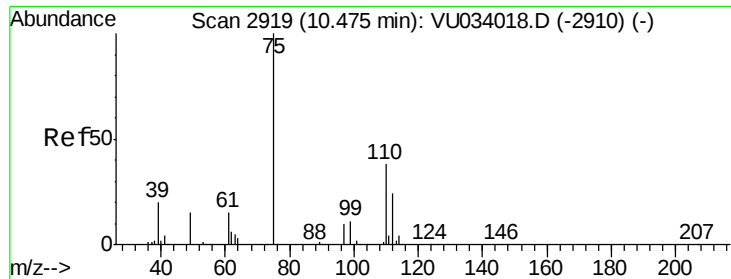
Abundance Ion 43.00 (42.70 to 43.70): VU0

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

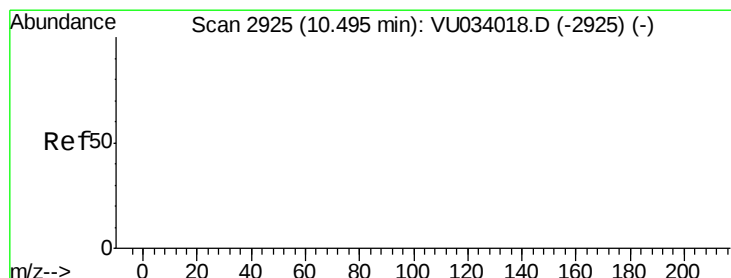
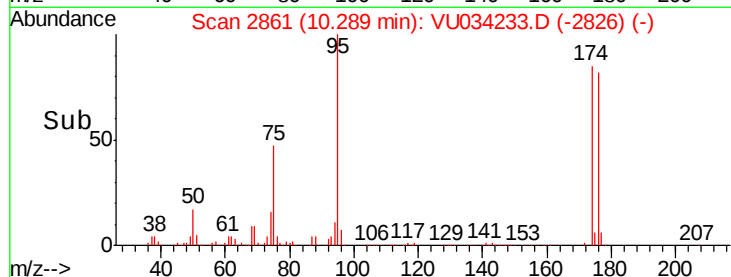
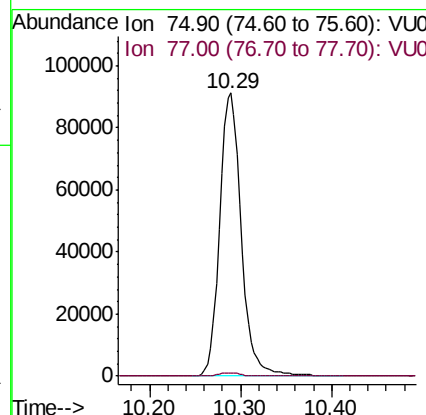
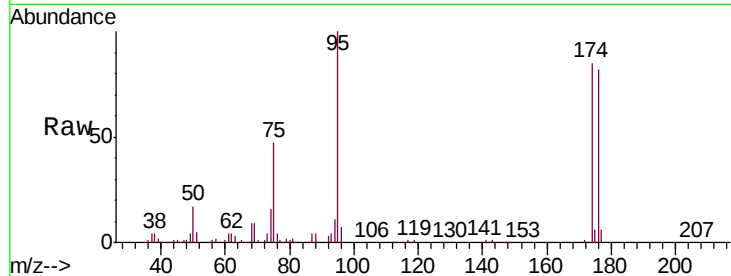




#76
 1,2,3-Trichloropropane
 Concen: 19.454 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. -0.19 min
 Lab File: VU034233.D
 Acq: 03 Sep 2019 17:44

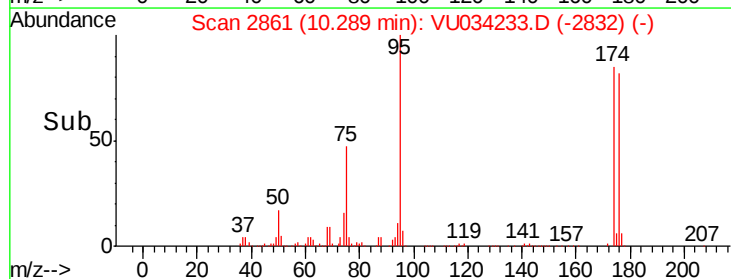
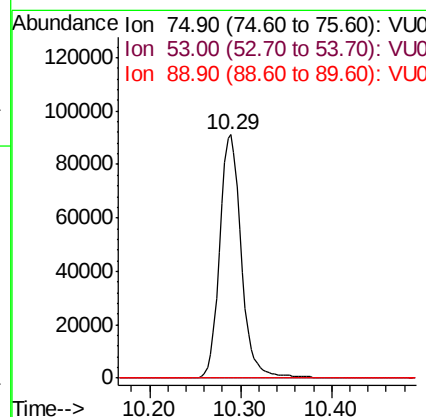
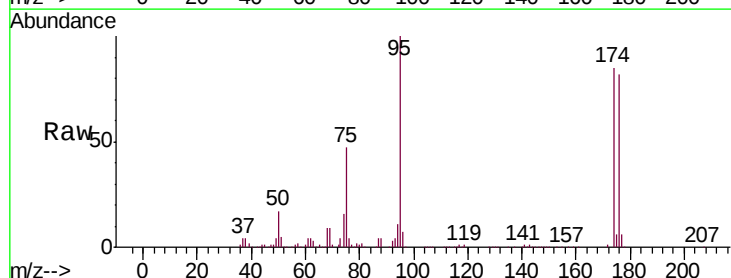
Instrument :
 MSVOA_U
 ClientSampleId :
 T3-S-C3-(2.5)

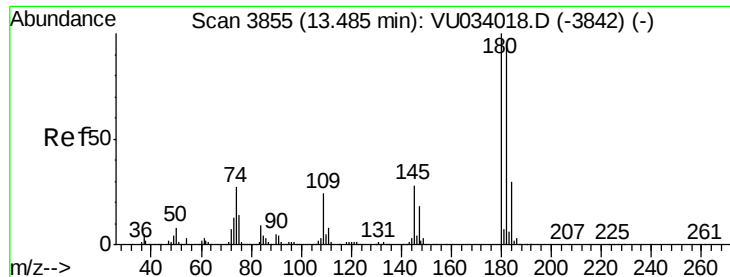
Tgt Ion: 75 Resp: 150593
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.1 60.2#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.507 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. -0.21 min
 Lab File: VU034233.D
 Acq: 03 Sep 2019 17:44

Tgt Ion: 75 Resp: 150593
 Ion Ratio Lower Upper
 75 100
 53 0.1 0.0 0.0#
 89 0.0 0.0 0.0

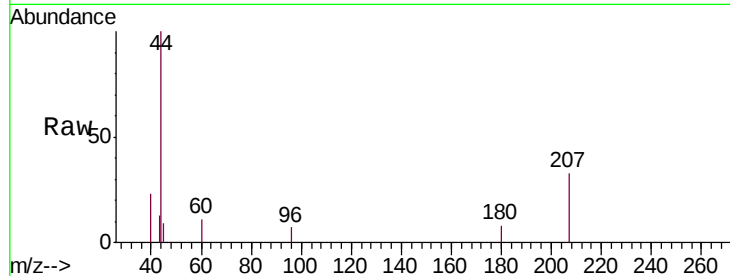




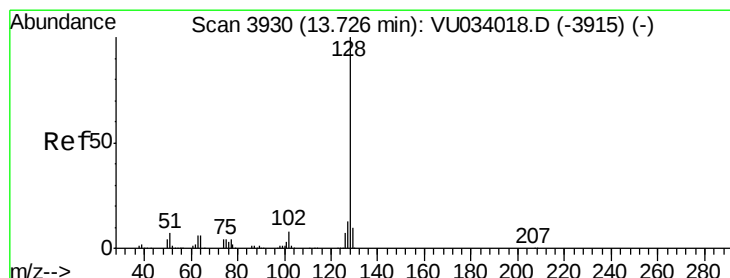
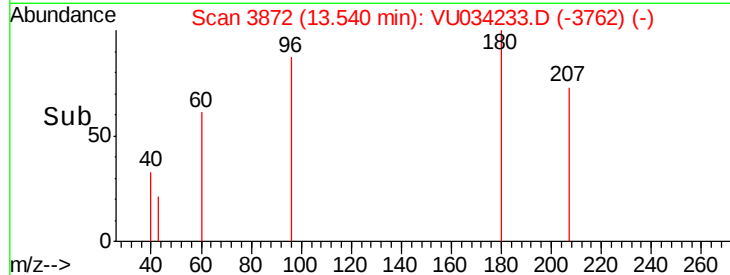
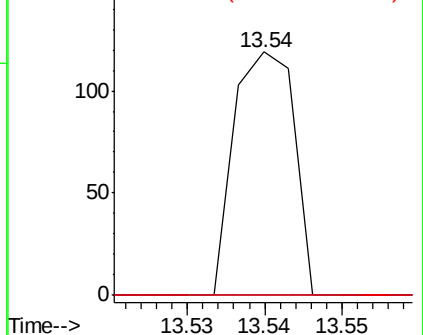
#93
 1,2,4-Trichlorobenzene
 Concen: 1.122 ug/l
 RT: 13.54 min Scan# 3872
 Delta R.T. 0.05 min
 Lab File: VU034233.D
 Acq: 03 Sep 2019 17:44

Instrument :
 MSVOA_U
 ClientSampleId :
 T3-S-C3-(2.5)

Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.4	142.2#
145	0.0	14.1	42.3#

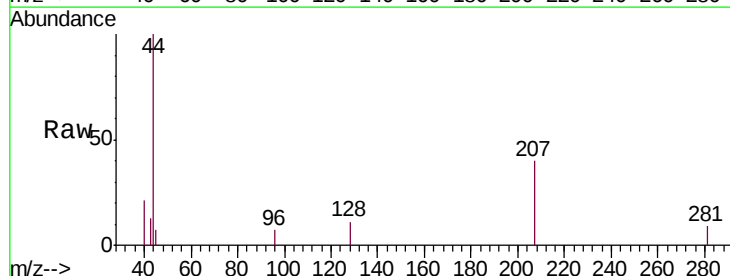


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 1.796 ug/l
 RT: 13.80 min Scan# 3952
 Delta R.T. 0.07 min
 Lab File: VU034233.D
 Acq: 03 Sep 2019 17:44

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.4#
129	0.0	8.4	12.6#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

