

Data File : VU034237.D
Acq On : 03 Sep 2019 19:18
Operator : JC/SP
Sample : K4546-31
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

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

Quant Time: Sep 04 04:27:47 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	422685	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	674829	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	689844	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	335877	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	269741	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
35) Dibromofluoromethane	4.86	113	223901	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	
50) Toluene-d8	7.55	98	898764	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	
62) 4-Bromofluorobenzene	10.29	95	314421	46.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.24%	

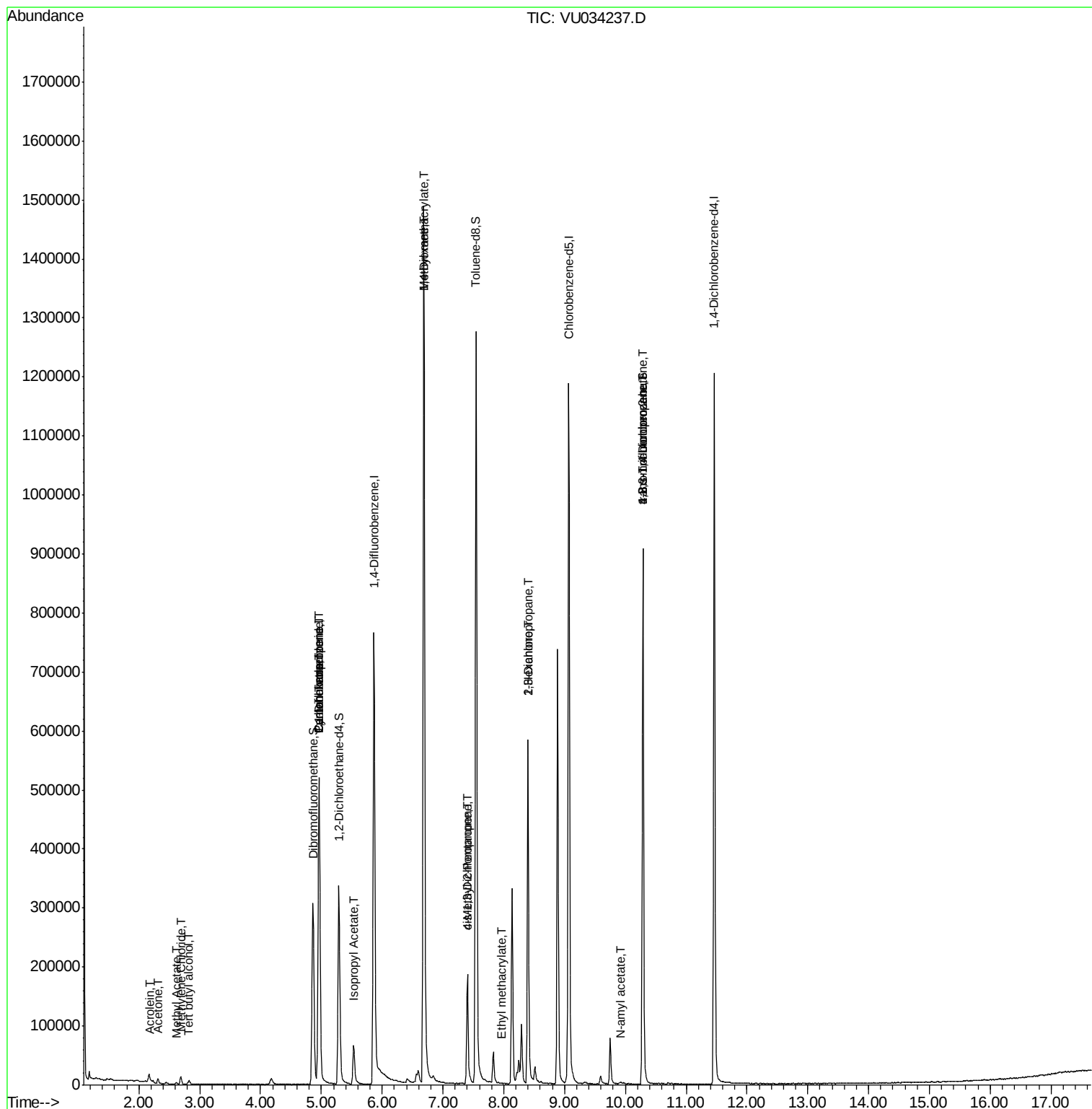
Target Compounds			Qvalue			
3) Chloromethane	1.33	50	396	Below Cal		95
5) Bromomethane	1.57	94	19	Below Cal	#	2
11) Tert butyl alcohol	2.82	59	4409	3.530	ug/l #	73
13) Acrolein	2.19	56	178	0.339	ug/l #	57
16) Acetone	2.31	43	9186	3.324	ug/l	95
18) Methyl Acetate	2.61	43	3385	0.474	ug/l #	88
20) Methylene Chloride	2.69	84	6115	1.169	ug/l	95
31) Cyclohexane	4.96	56	7635	0.944	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	30664	4.804	ug/l #	48
38) Carbon Tetrachloride	4.96	117	38875	6.310	ug/l #	17
43) Isopropyl Acetate	5.53	43	78549	7.223	ug/l	99
48) Methyl methacrylate	6.69	41	131096	24.983	ug/l #	39
49) 1,4-Dioxane	6.69	88	141	1.072	ug/l #	1
51) 4-Methyl-2-Pentanone	7.40	43	71684	9.545	ug/l #	46
54) cis-1,3-Dichloropropene	7.40	75	35463	4.366	ug/l #	60
56) Ethyl methacrylate	7.98	69	297	1.006	ug/l #	27
57) 1,3-Dichloropropane	8.40	76	6365	0.745	ug/l #	42
59) 2-Hexanone	8.40	43	81784	14.426	ug/l #	52
74) N-amyl acetate	9.93	43	2520	0.266	ug/l #	43
76) 1,2,3-Trichloropropane	10.29	75	149963	19.810	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.29	75	149963	66.705	ug/l #	100

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

Data File : VU034237.D
Acq On : 03 Sep 2019 19:18
Operator : JC/SP
Sample : K4546-31
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

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

Quant Time: Sep 04 04:27:47 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# 1205

Delta R.T. 0.01 min

Lab File: VU034237.D

Acq: 03 Sep 2019 19:18

Instrument :

MSVOA_U

ClientSampleId :

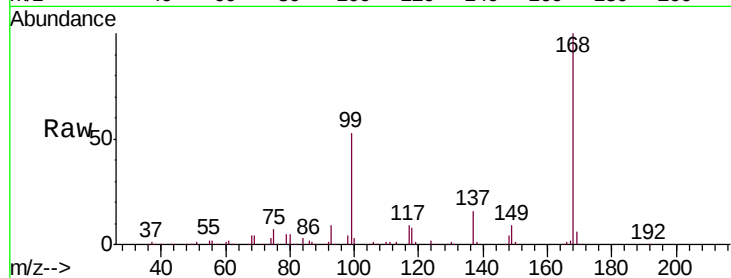
T3-S-A-(2.5)

Tgt Ion:168 Resp: 422685

Ion Ratio Lower Upper

168 100

99 52.8 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

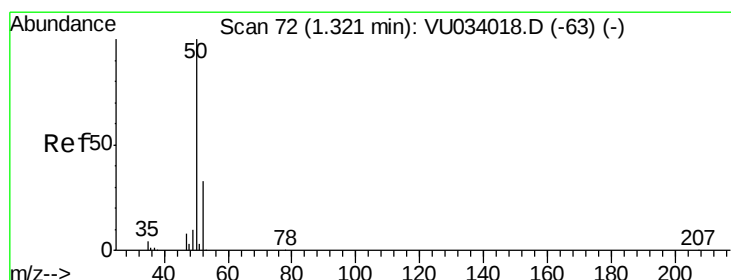
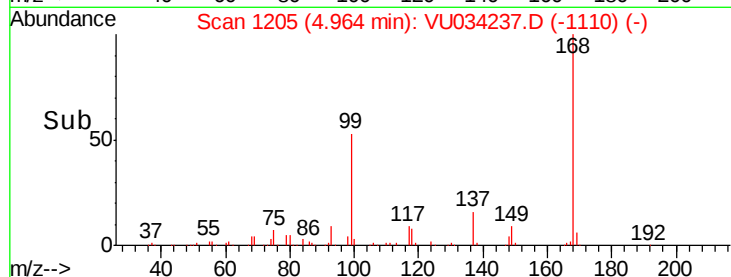
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 74

Delta R.T. 0.01 min

Lab File: VU034237.D

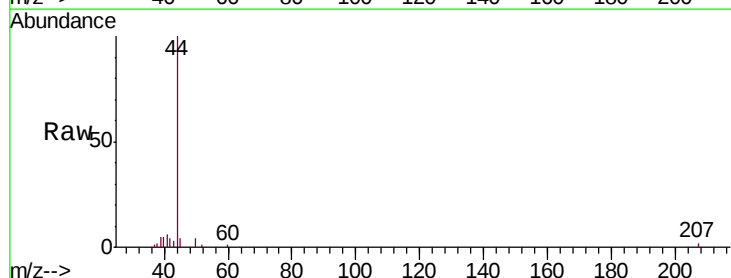
Acq: 03 Sep 2019 19:18

Tgt Ion: 50 Resp: 396

Ion Ratio Lower Upper

50 100

52 35.9 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) (-)

1.33

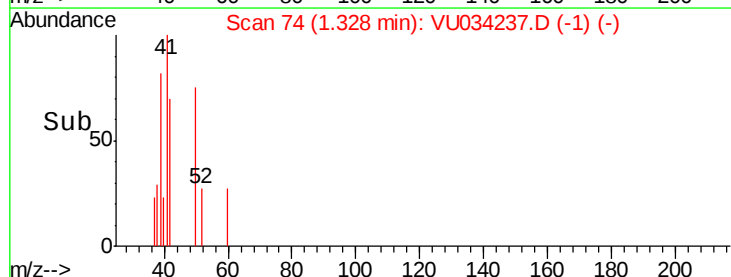
300

200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.57 min Scan# 148

Delta R.T. -0.03 min

Lab File: VU034237.D

Acq: 03 Sep 2019 19:18

Instrument :

MSVOA_U

ClientSampleId :

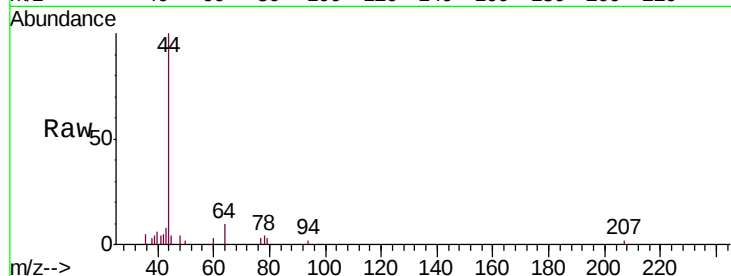
T3-S-A-(2.5)

Tgt Ion: 94 Resp: 19

Ion Ratio Lower Upper

94 100

96 0.0 76.3 114.5#



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.57

100

80

60

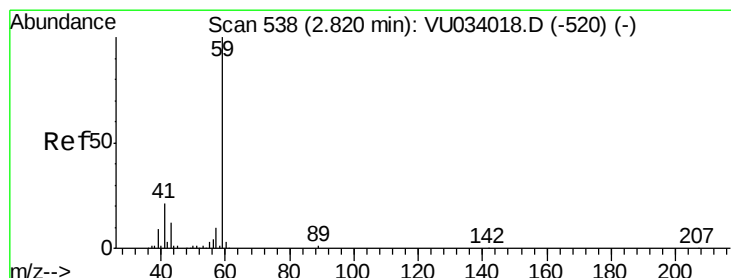
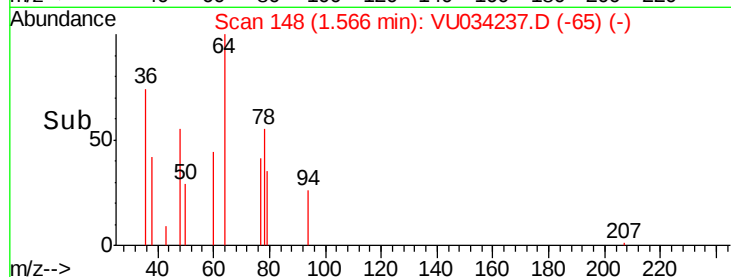
40

20

0

1.55 1.56 1.57 1.58

Time-->



#11

Tert butyl alcohol

Concen: 3.530 ug/l

RT: 2.82 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU034237.D

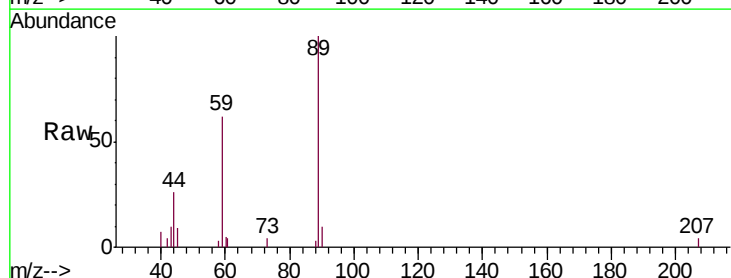
Acq: 03 Sep 2019 19:18

Tgt Ion: 59 Resp: 4409

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

2.82

2000

1500

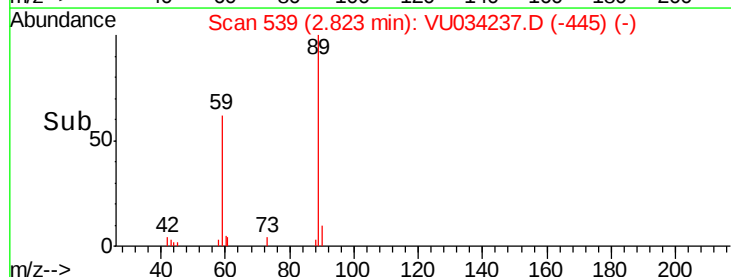
1000

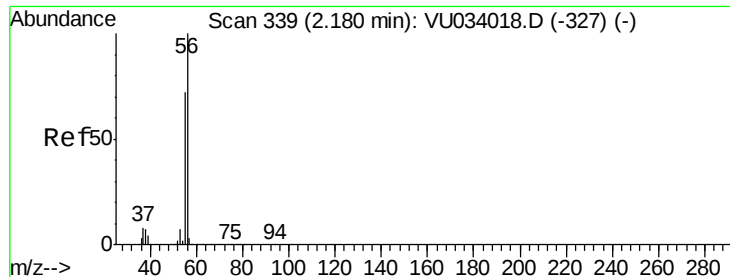
500

0

2.75 2.80 2.85 2.90

Time-->





#13

Acrolein

Concen: 0.339 ug/l

RT: 2.19 min Scan# 343

Delta R.T. 0.01 min

Lab File: VU034237.D

Acq: 03 Sep 2019 19:18

Instrument :

MSVOA_U

ClientSampleId :

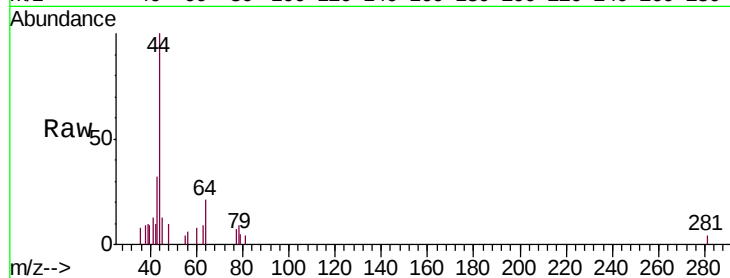
T3-S-A-(2.5)

Tgt Ion: 56 Resp: 178

Ion Ratio Lower Upper

56 100

55 35.4 57.1 85.7#



Abundance Ion 56.00 (55.70 to 56.70): VU034018.D (-327) (-)

Ion 55.00 (54.70 to 55.70): VU034018.D (-327) (-)

2.19

150

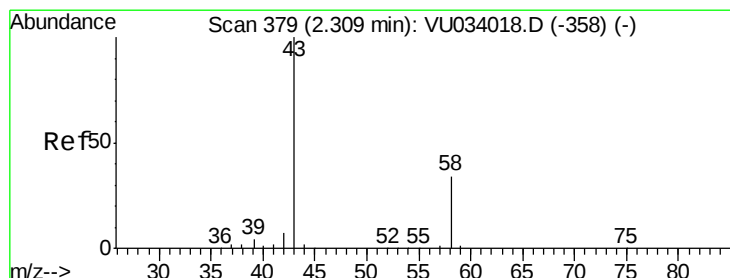
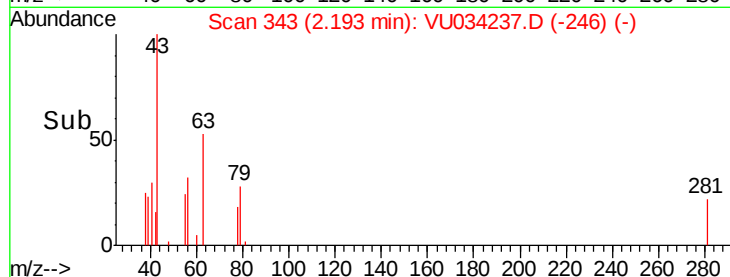
100

50

0

2.16 2.18 2.20

Time-->



#16

Acetone

Concen: 3.324 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034237.D

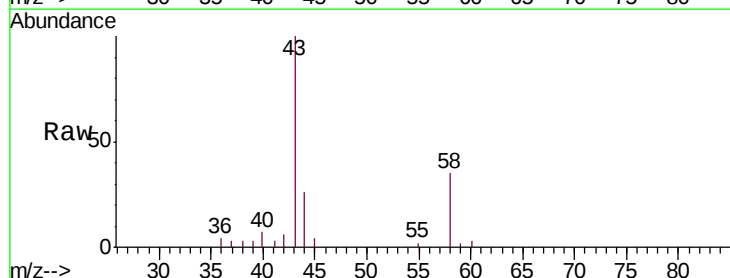
Acq: 03 Sep 2019 19:18

Tgt Ion: 43 Resp: 9186

Ion Ratio Lower Upper

43 100

58 36.6 26.8 40.2



Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-358) (-)

Ion 58.00 (57.70 to 58.70): VU034018.D (-358) (-)

2.31

6000

5000

4000

3000

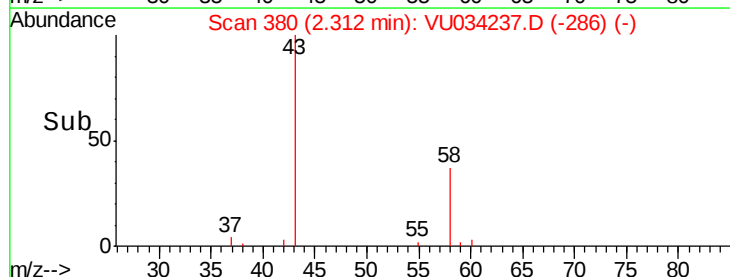
2000

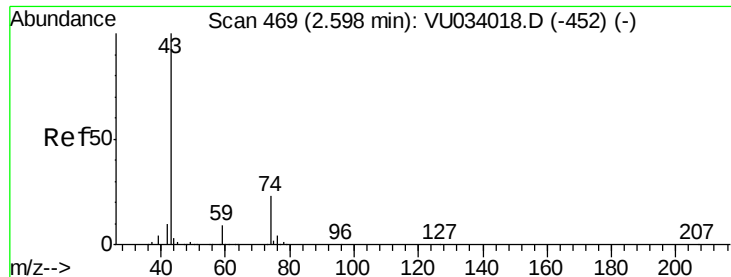
1000

0

2.25 2.30 2.35 2.40

Time-->





#18

Methyl Acetate

Concen: 0.474 ug/l

RT: 2.61 min Scan# 474

Delta R.T. 0.02 min

Lab File: VU034237.D

Acq: 03 Sep 2019 19:18

Instrument :

MSVOA_U

ClientSampleId :

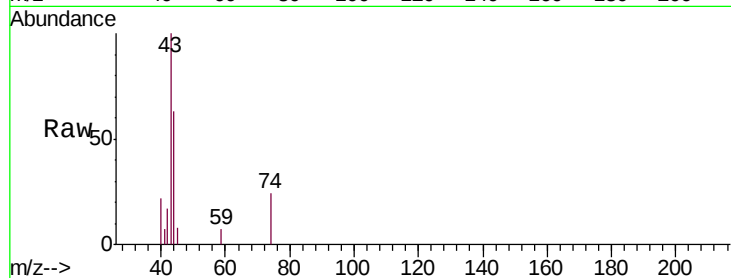
T3-S-A-(2.5)

Tgt Ion: 43 Resp: 3385

Ion Ratio Lower Upper

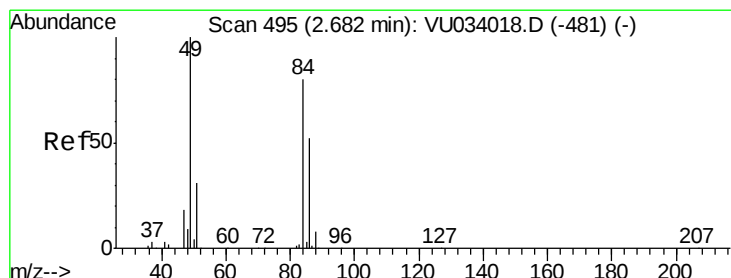
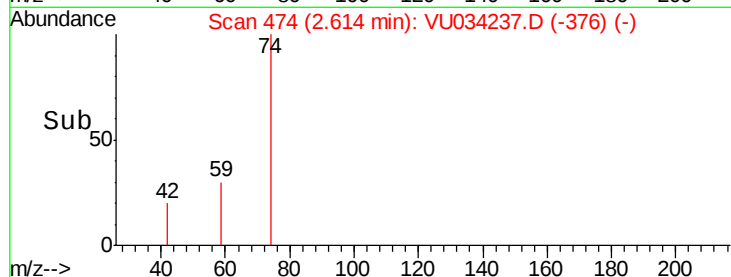
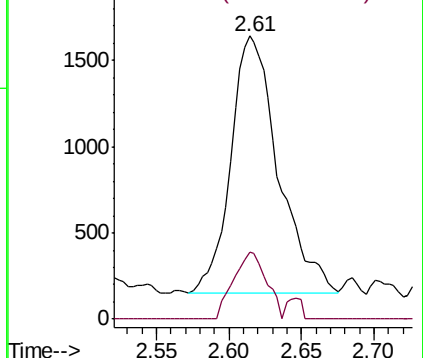
43 100

74 18.1 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VU034237.D (-474) (-)

Ion 74.00 (73.70 to 74.70): VU034237.D (-474) (-)



#20

Methylene Chloride

Concen: 1.169 ug/l

RT: 2.69 min Scan# 497

Delta R.T. 0.01 min

Lab File: VU034237.D

Acq: 03 Sep 2019 19:18

Tgt Ion: 84 Resp: 6115

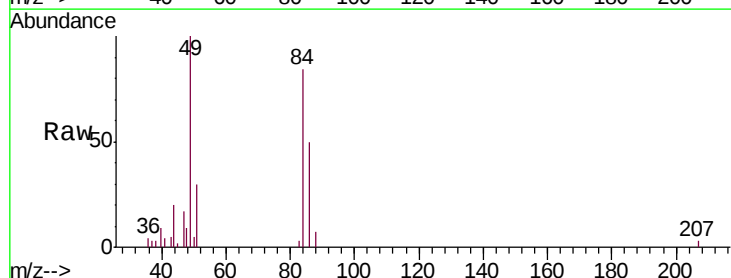
Ion Ratio Lower Upper

84 100

49 119.7 100.2 150.4

51 36.4 30.8 46.2

86 59.5 52.5 78.7

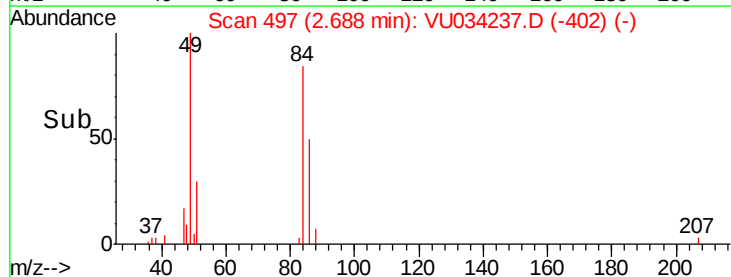
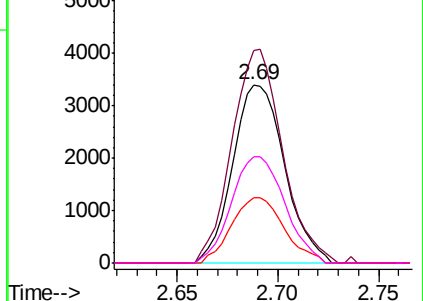


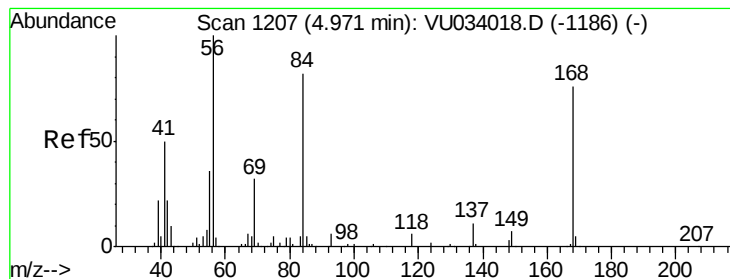
Abundance Ion 83.90 (83.60 to 84.60): VU034237.D (-497) (-)

Ion 48.90 (48.60 to 49.60): VU034237.D (-497) (-)

Ion 50.90 (50.60 to 51.60): VU034237.D (-497) (-)

Ion 85.90 (85.60 to 86.60): VU034237.D (-497) (-)





#31

Cyclohexane

Concen: 0.944 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. -0.01 min

Lab File: VU034237.D

Acq: 03 Sep 2019 19:18

Instrument :

MSVOA_U

ClientSampleId :

T3-S-A-(2.5)

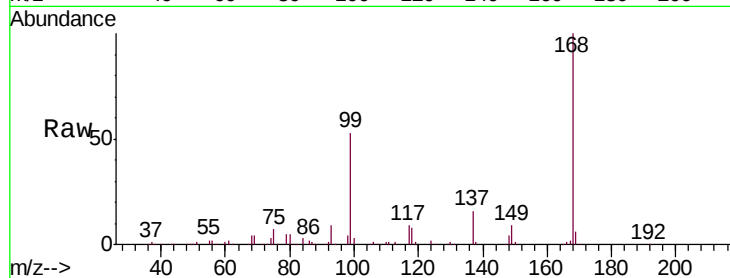
Tgt Ion: 56 Resp: 7635

Ion Ratio Lower Upper

56 100

69 205.6 25.4 38.0#

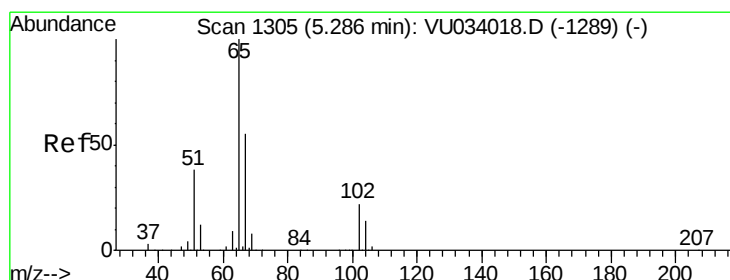
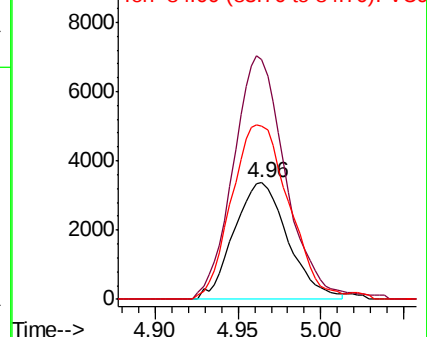
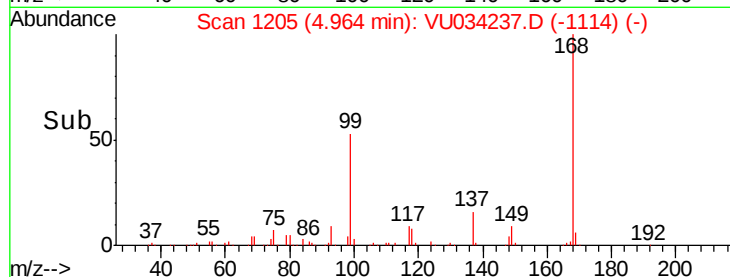
84 149.0 65.8 98.8#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#33

1,2-Dichloroethane-d4

Concen: 49.804 ug/l

RT: 5.29 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU034237.D

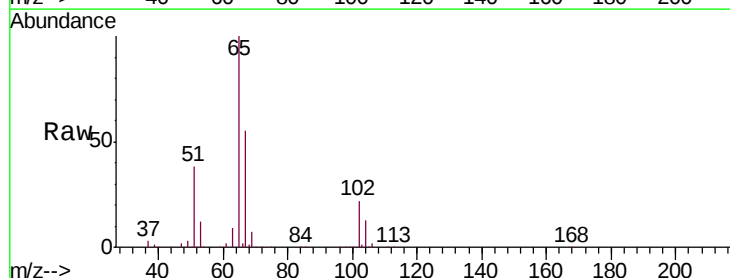
Acq: 03 Sep 2019 19:18

Tgt Ion: 65 Resp: 269741

Ion Ratio Lower Upper

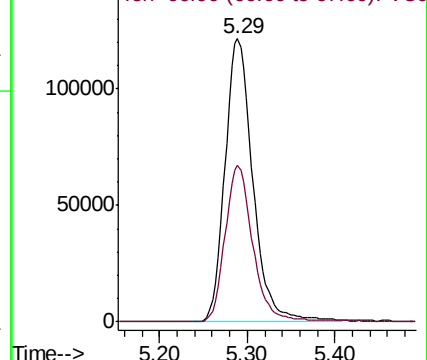
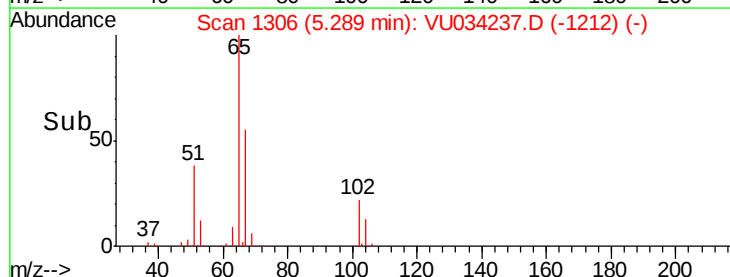
65 100

67 54.7 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.87 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VU034237.D

Acq: 03 Sep 2019 19:18

Instrument :

MSVOA_U

ClientSampleId :

T3-S-A-(2.5)

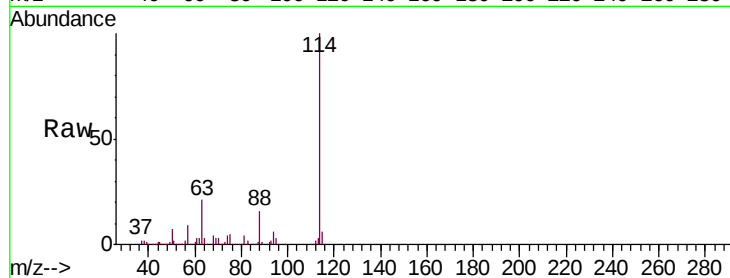
Tgt Ion:114 Resp: 674829

Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.0

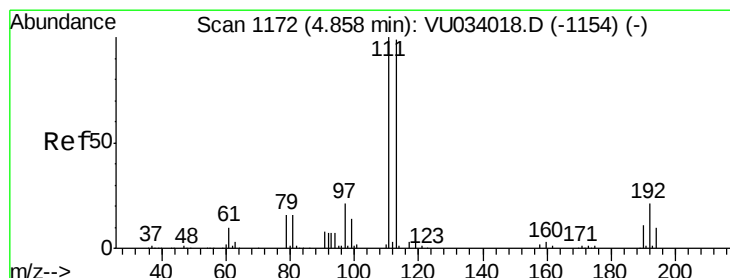
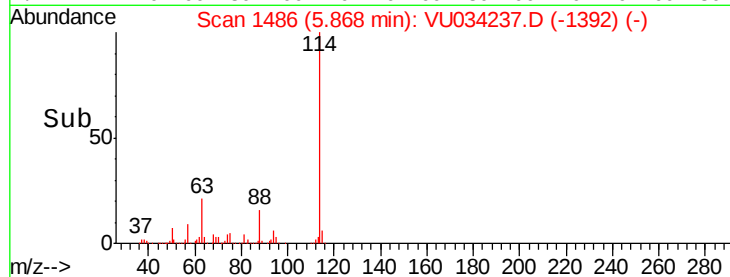
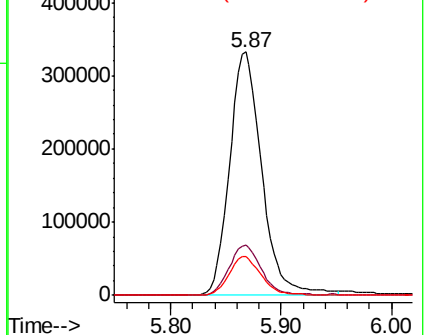
88 15.8 0.0 32.0



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: 47.836 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034237.D

Acq: 03 Sep 2019 19:18

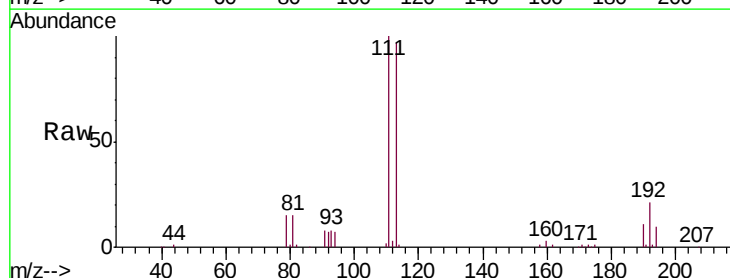
Tgt Ion:113 Resp: 223901

Ion Ratio Lower Upper

113 100

111 104.0 81.7 122.5

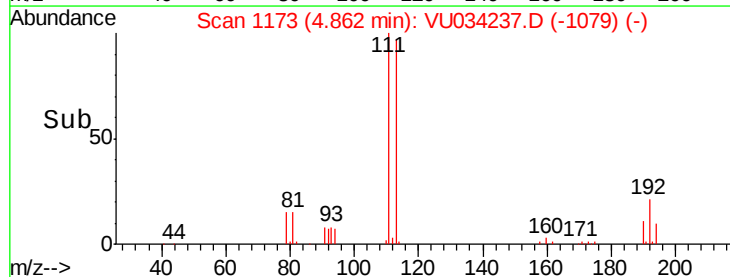
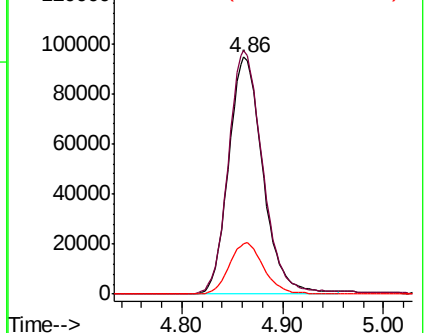
192 21.6 17.1 25.7

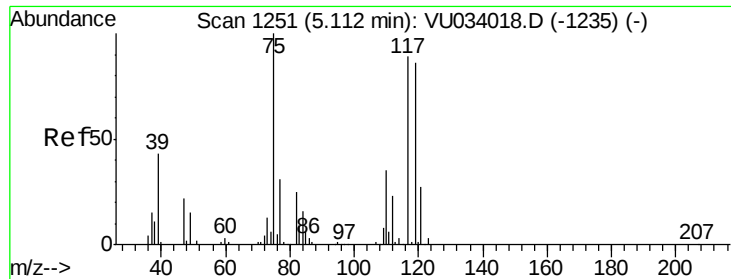


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

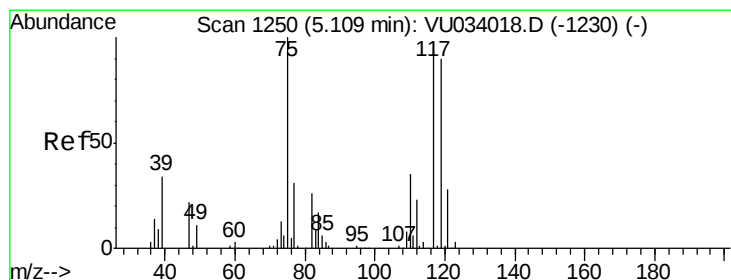
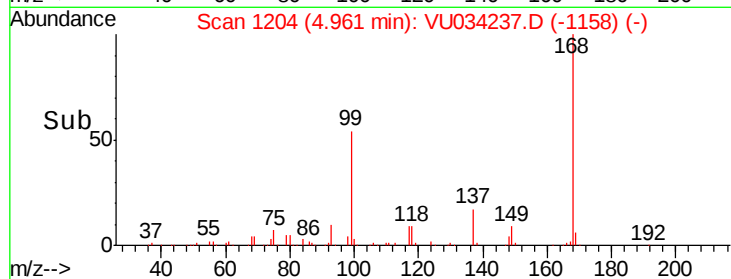
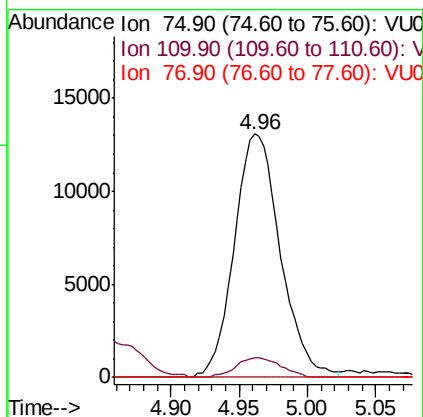
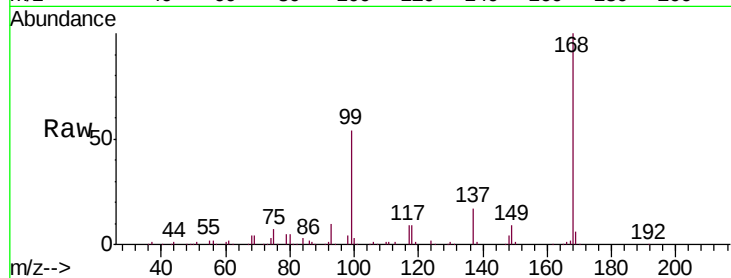




#36
 1,1-Dichloropropene
 Concen: 4.804 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034237.D
 Acq: 03 Sep 2019 19:18

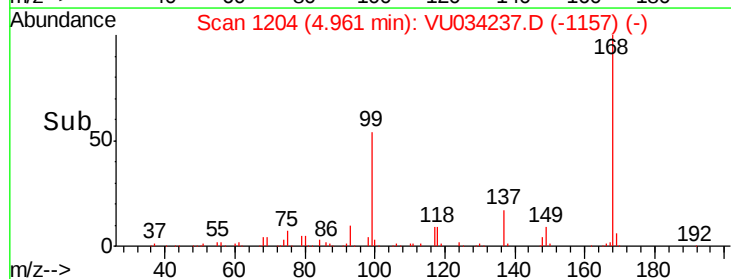
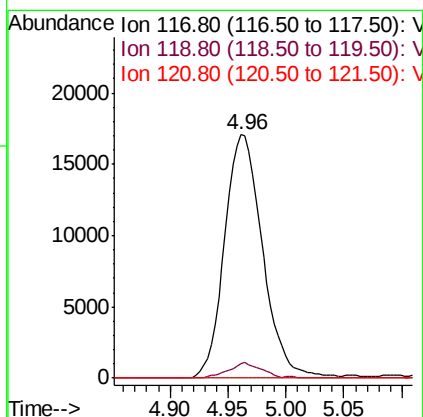
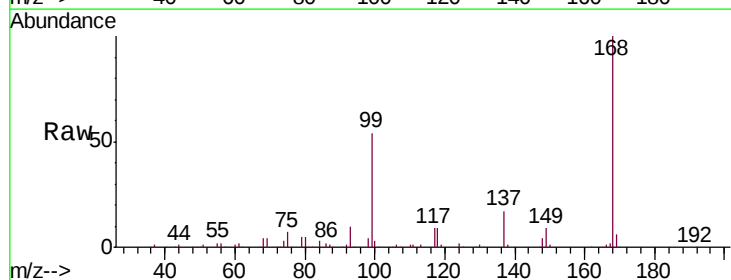
Instrument :
 MSVOA_U
 ClientSampleId :
 T3-S-A-(2.5)

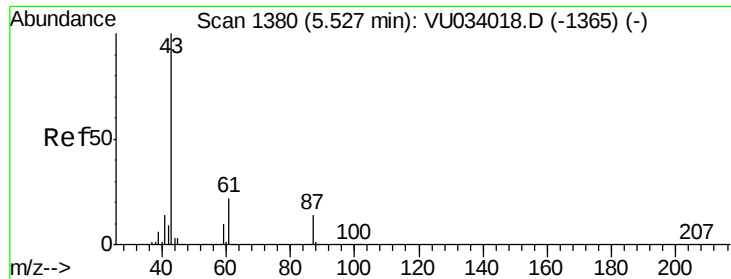
Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.8	17.8	53.5#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.310 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034237.D
 Acq: 03 Sep 2019 19:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.0	77.0	115.4#
121	0.0	23.9	35.9#

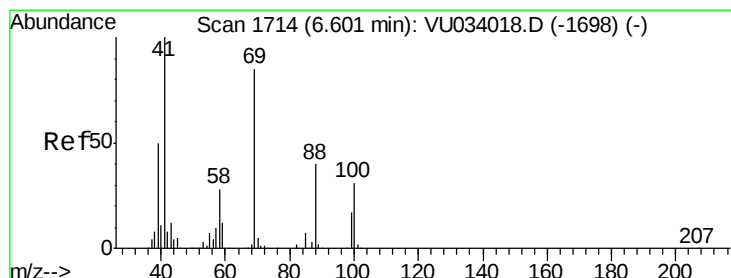
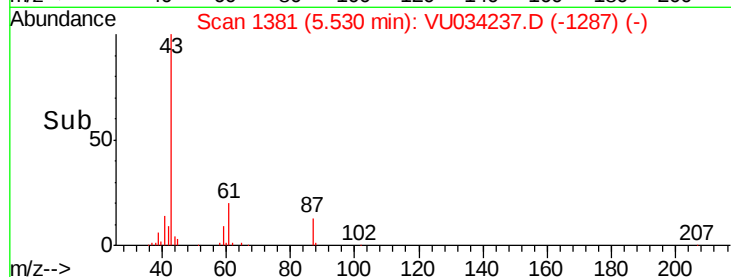
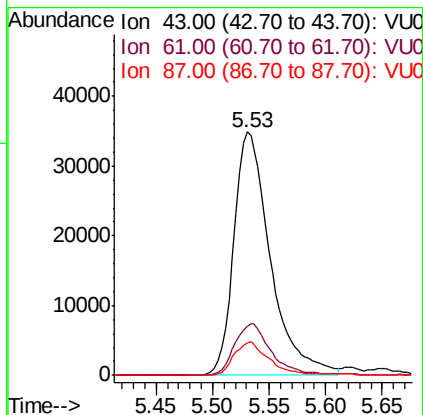
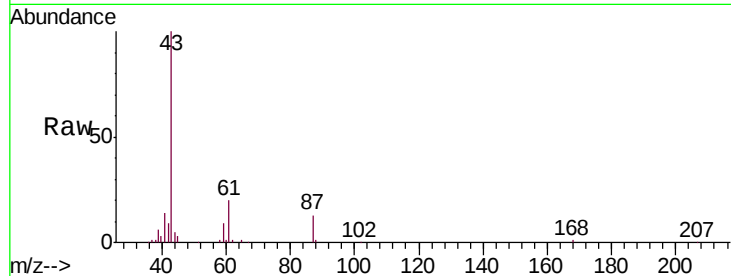




#43
Isopropyl Acetate
Concen: 7.223 ug/l
RT: 5.53 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VU034237.D
Acq: 03 Sep 2019 19:18

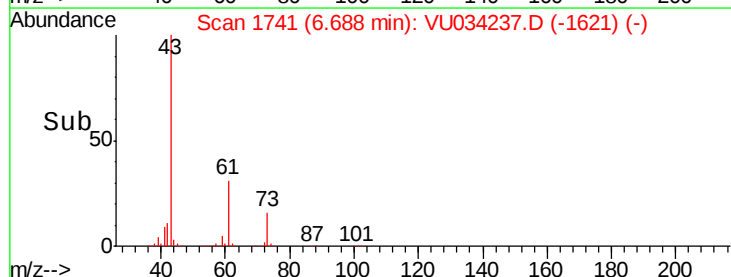
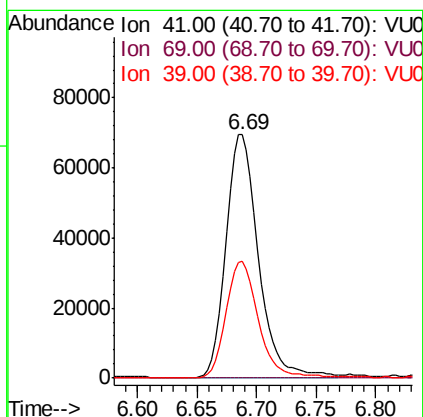
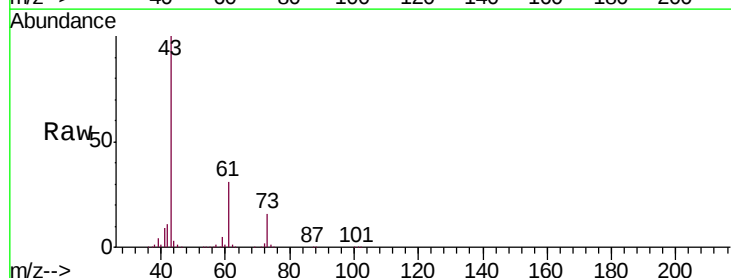
Instrument :
MSVOA_U
ClientSampleId :
T3-S-A-(2.5)

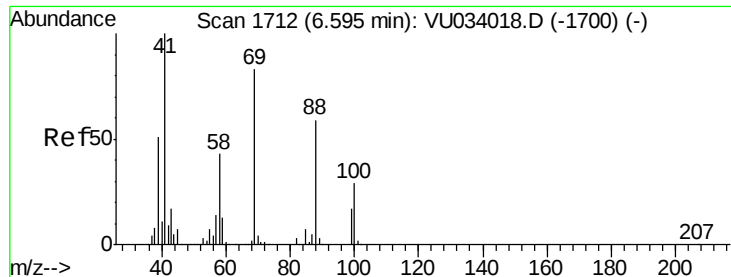
Tgt Ion: 43 Resp: 78549
Ion Ratio Lower Upper
43 100
61 21.0 17.2 25.8
87 13.1 10.8 16.2



#48
Methyl methacrylate
Concen: 24.983 ug/l
RT: 6.69 min Scan# 1741
Delta R.T. 0.09 min
Lab File: VU034237.D
Acq: 03 Sep 2019 19:18

Tgt Ion: 41 Resp: 131096
Ion Ratio Lower Upper
41 100
69 0.1 69.5 104.3#
39 48.4 40.3 60.5





#49

1,4-Dioxane

Concen: 1.072 ug/l

RT: 6.69 min Scan# 1742

Delta R.T. 0.10 min

Lab File: VU034237.D

Acq: 03 Sep 2019 19:18

Instrument :

MSVOA_U

ClientSampleId :

T3-S-A-(2.5)

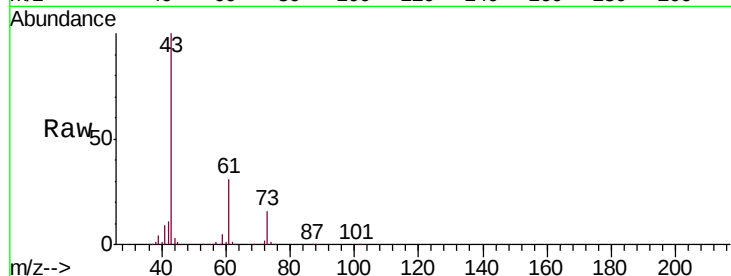
Tgt Ion: 88 Resp: 141

Ion Ratio Lower Upper

88 100

43 1033144.0 24.8 37.2#

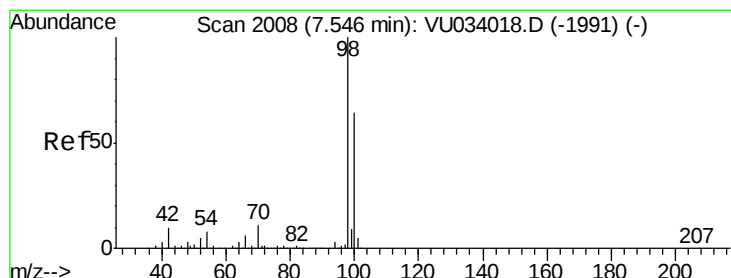
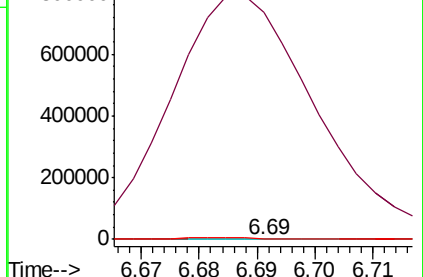
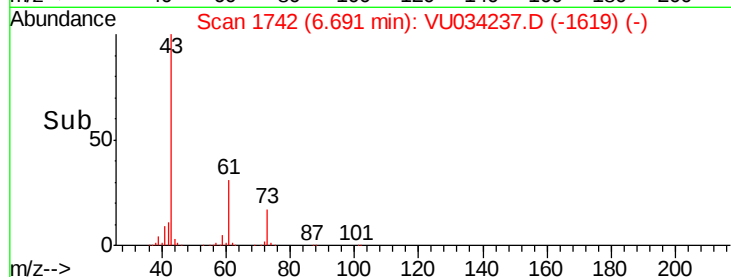
58 5648.2 59.3 88.9#



Abundance Ion 88.00 (87.70 to 88.70): VU034237.D (-1742) (-)

Ion 43.00 (42.70 to 43.70): VU034237.D (-1742) (-)

Ion 58.00 (57.70 to 58.70): VU034237.D (-1742) (-)



#50

Toluene-d8

Concen: 51.283 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VU034237.D

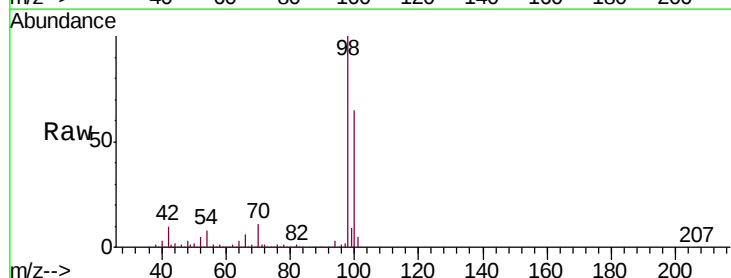
Acq: 03 Sep 2019 19:18

Tgt Ion: 98 Resp: 898764

Ion Ratio Lower Upper

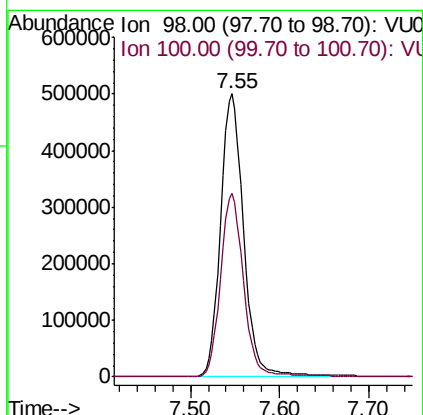
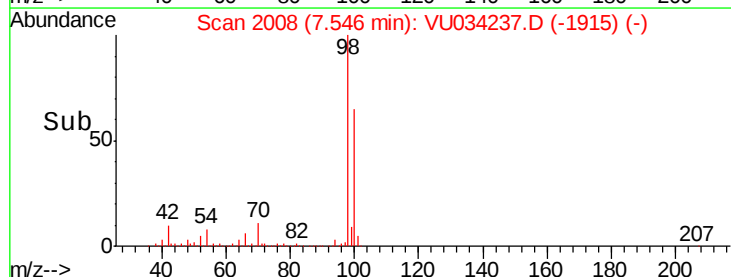
98 100

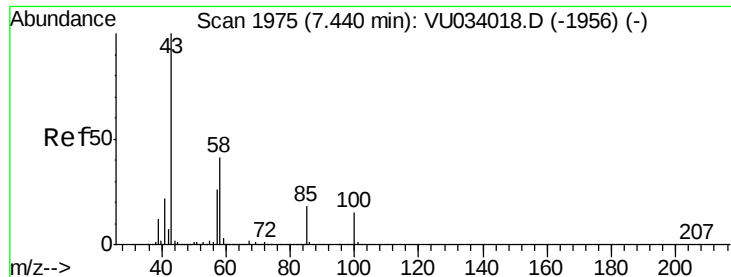
100 64.0 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VU034237.D (-2008) (-)

Ion 100.00 (99.70 to 100.70): VU034237.D (-2008) (-)





#51

4-Methyl-2-Pentanone

Concen: 9.545 ug/l

RT: 7.40 min Scan# 1963

Delta R.T. -0.04 min

Lab File: VU034237.D

Acq: 03 Sep 2019 19:18

Instrument :

MSVOA_U

ClientSampleId :

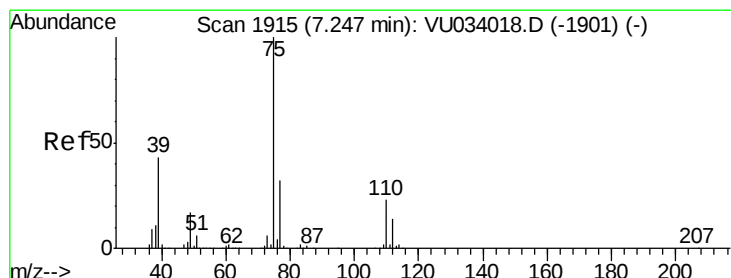
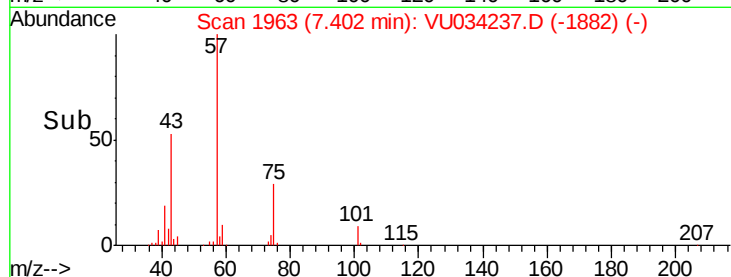
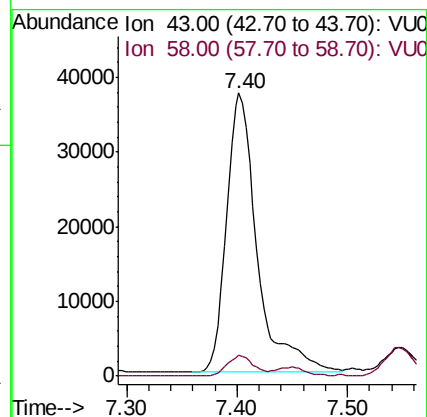
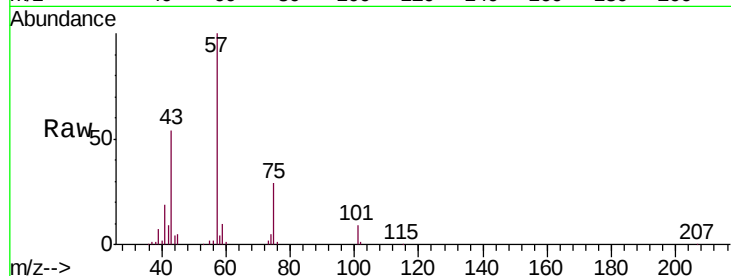
T3-S-A-(2.5)

Tgt Ion: 43 Resp: 71684

Ion Ratio Lower Upper

43 100

58 6.5 32.2 48.4#



#54

cis-1,3-Dichloropropene

Concen: 4.366 ug/l

RT: 7.40 min Scan# 1963

Delta R.T. 0.15 min

Lab File: VU034237.D

Acq: 03 Sep 2019 19:18

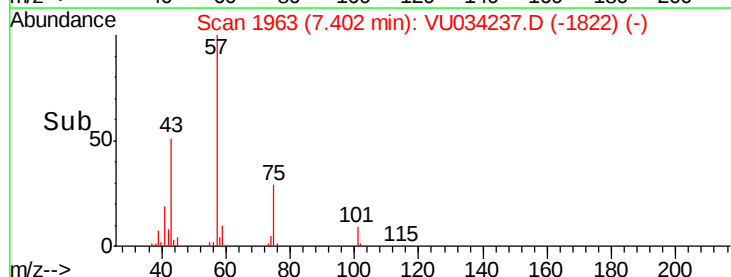
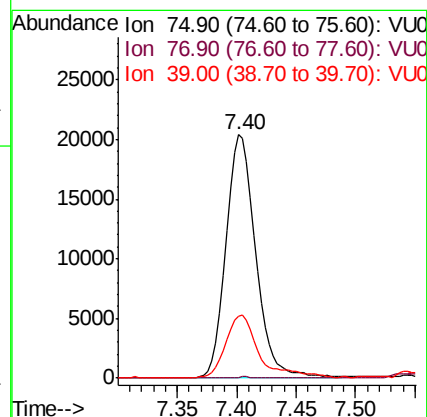
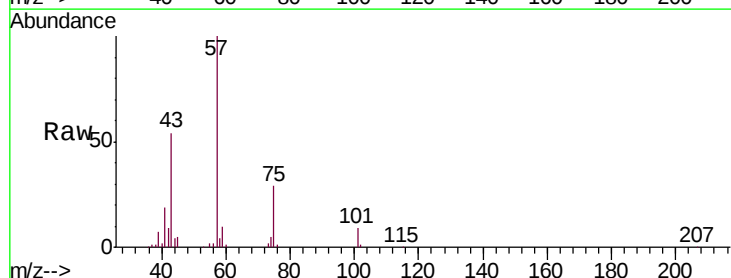
Tgt Ion: 75 Resp: 35463

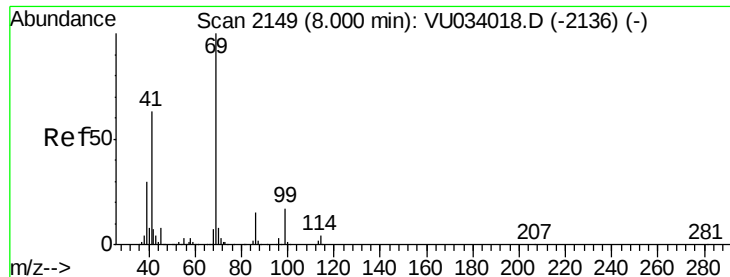
Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#

39 25.4 34.6 51.8#





#56

Ethyl methacrylate

Concen: 1.006 ug/l

RT: 7.98 min Scan# 2142

Delta R.T. -0.02 min

Lab File: VU034237.D

Acq: 03 Sep 2019 19:18

Instrument :

MSVOA_U

ClientSampleId :

T3-S-A-(2.5)

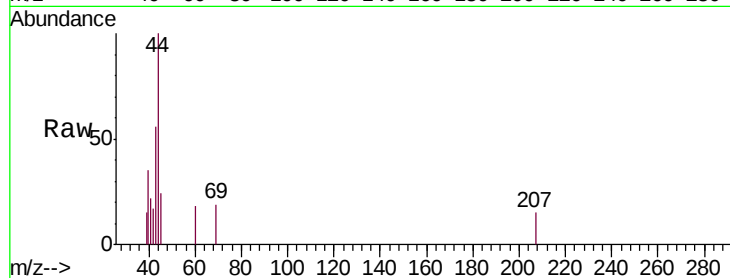
Tgt Ion: 69 Resp: 297

Ion Ratio Lower Upper

69 100

41 0.0 50.7 76.1#

39 0.0 24.2 36.2#

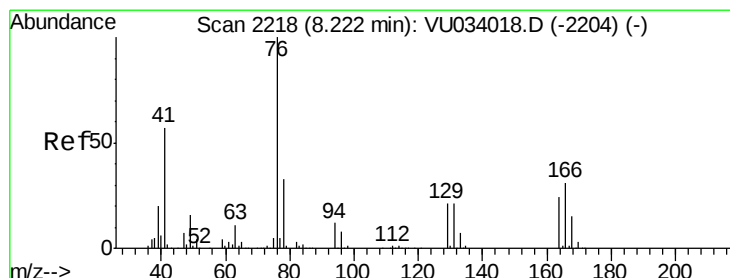
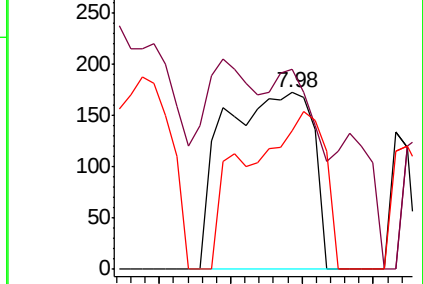
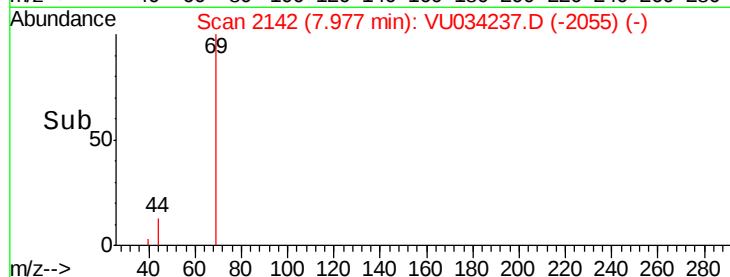


Abundance Ion 69.00 (68.70 to 69.70): VU034237.D (-2142) (-)

Ion 41.00 (40.70 to 41.70): VU034237.D (-2142) (-)

Ion 39.00 (38.70 to 39.70): VU034237.D (-2142) (-)

Time-->



#57

1,3-Dichloropropane

Concen: 0.745 ug/l

RT: 8.40 min Scan# 2273

Delta R.T. 0.18 min

Lab File: VU034237.D

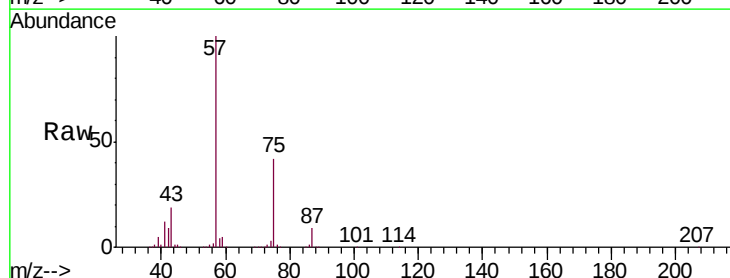
Acq: 03 Sep 2019 19:18

Tgt Ion: 76 Resp: 6365

Ion Ratio Lower Upper

76 100

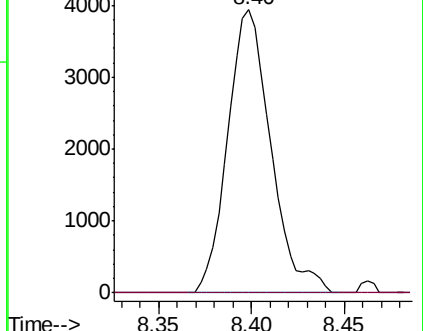
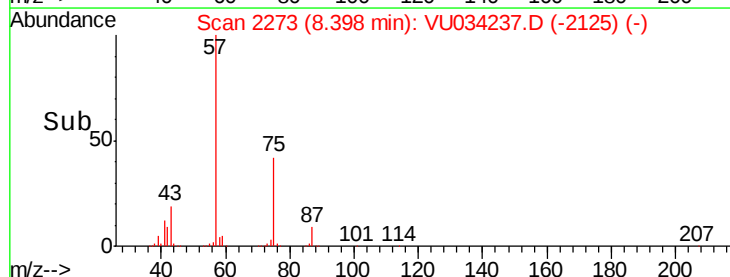
78 0.0 26.2 39.4#

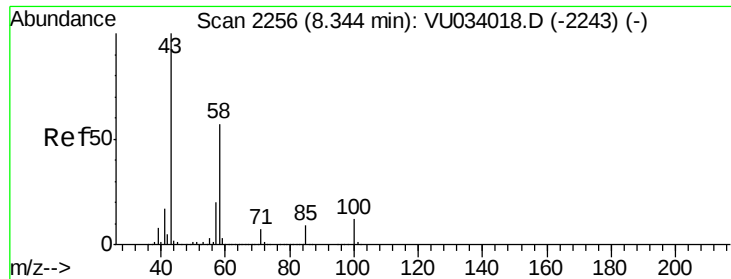


Abundance Ion 75.90 (75.60 to 76.60): VU034237.D (-2273) (-)

Ion 77.90 (77.60 to 78.60): VU034237.D (-2273) (-)

Time-->

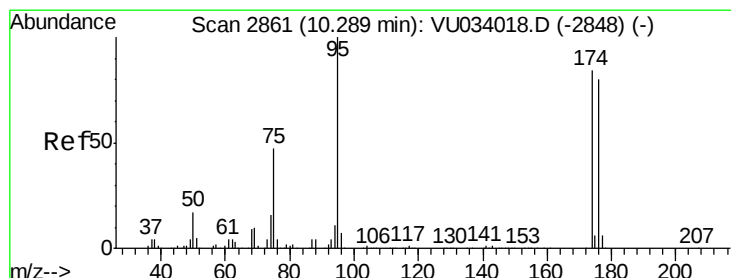
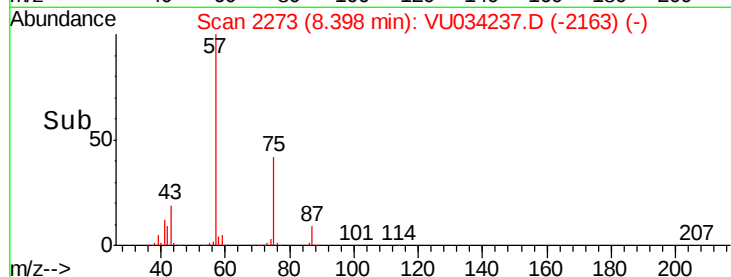
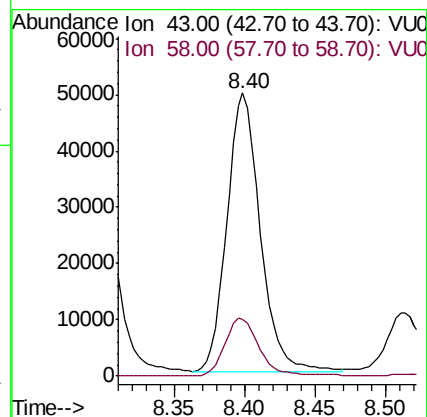
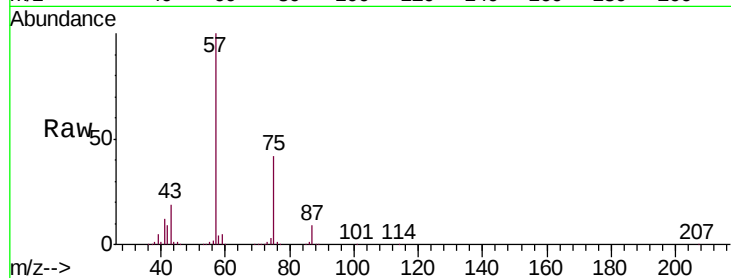




#59
2-Hexanone
Concen: 14.426 ug/l
RT: 8.40 min Scan# 2273
Delta R.T. 0.05 min
Lab File: VU034237.D
Acq: 03 Sep 2019 19:18

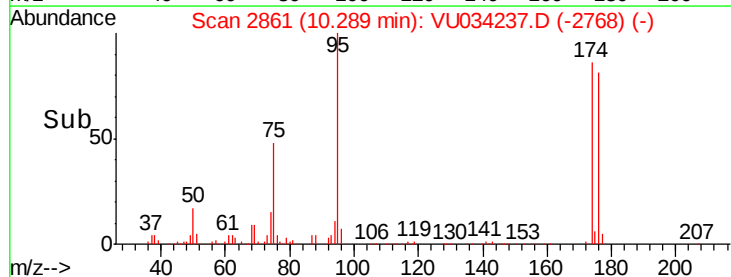
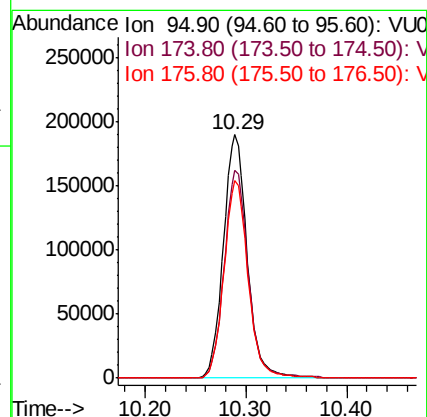
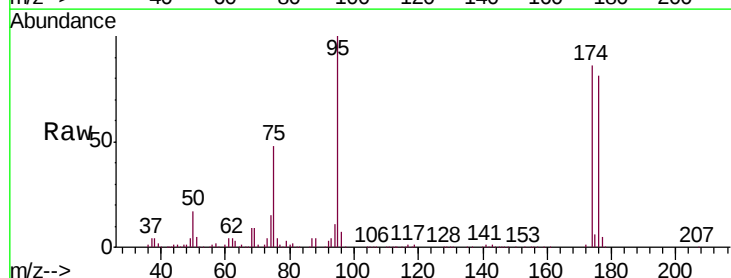
Instrument :
MSVOA_U
ClientSampleId :
T3-S-A-(2.5)

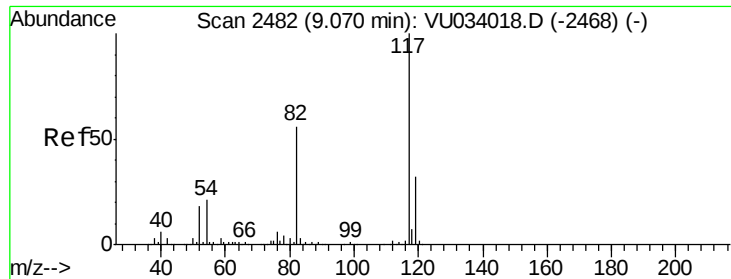
Tgt Ion: 43 Resp: 81784
Ion Ratio Lower Upper
43 100
58 21.3 28.4 85.3#



#62
4-Bromofluorobenzene
Concen: 46.121 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. 0.00 min
Lab File: VU034237.D
Acq: 03 Sep 2019 19:18

Tgt Ion: 95 Resp: 314421
Ion Ratio Lower Upper
95 100
174 86.5 0.0 168.8
176 82.3 0.0 161.8

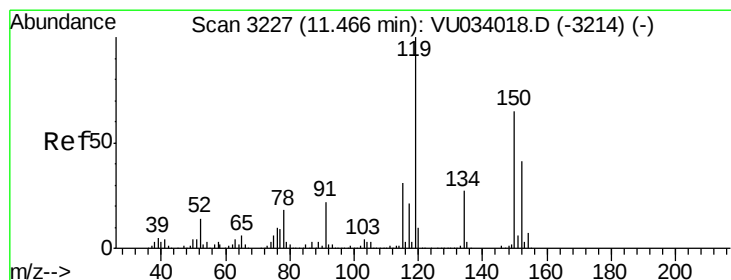
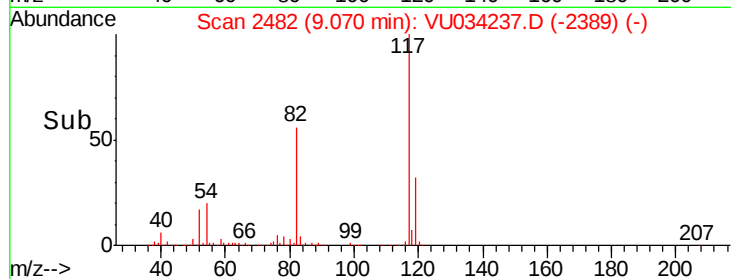
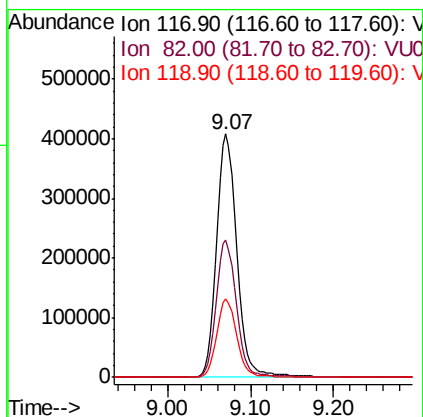
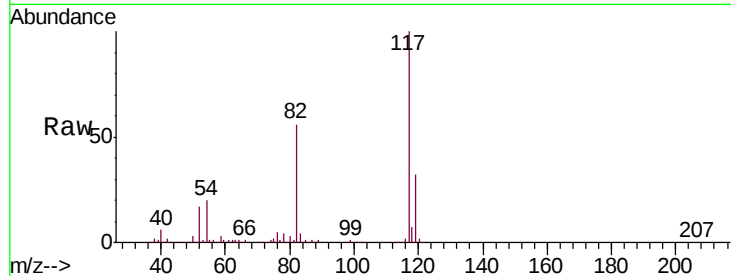




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034237.D
Acq: 03 Sep 2019 19:18

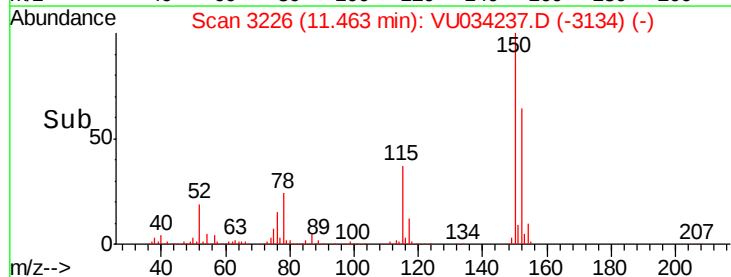
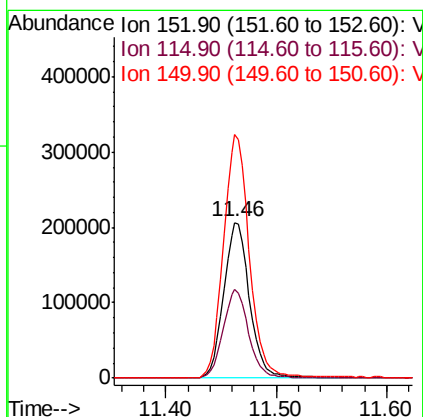
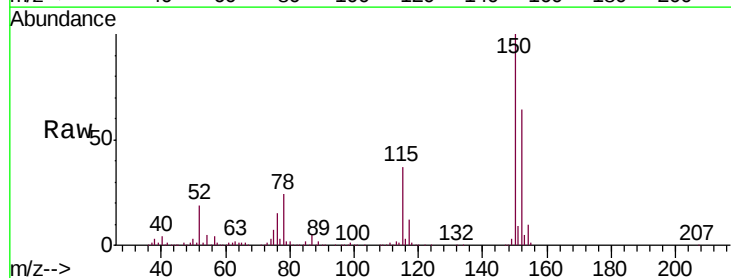
Instrument :
MSVOA_U
ClientSampleId :
T3-S-A-(2.5)

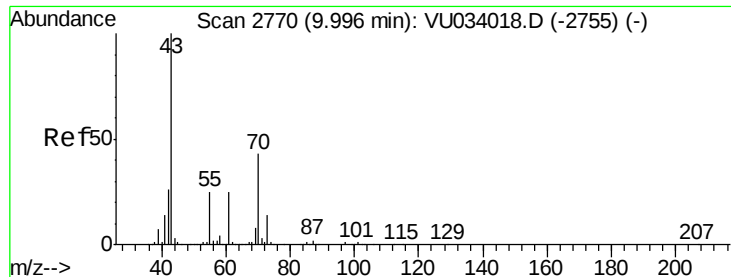
Tgt Ion:117 Resp: 689844
Ion Ratio Lower Upper
117 100
82 56.3 45.1 67.7
119 32.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VU034237.D
Acq: 03 Sep 2019 19:18

Tgt Ion:152 Resp: 335877
Ion Ratio Lower Upper
152 100
115 56.2 41.1 123.3
150 156.9 0.0 348.8

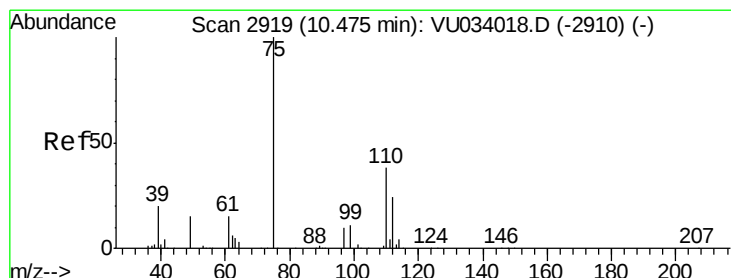
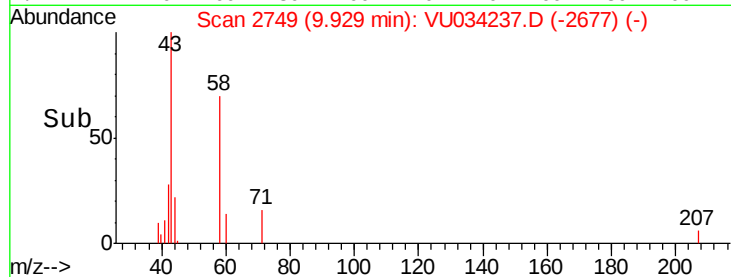
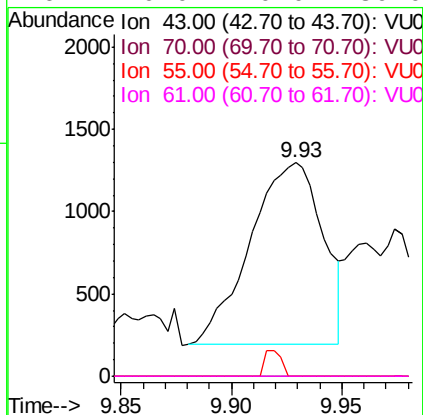
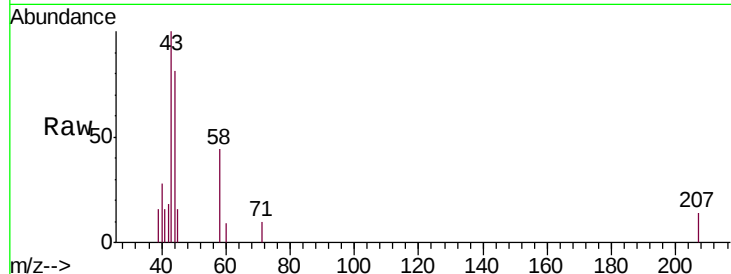




#74
N-ethyl acetate
Concen: 0.266 ug/l
RT: 9.93 min Scan# 2749
Delta R.T. -0.07 min
Lab File: VU034237.D
Acq: 03 Sep 2019 19:18

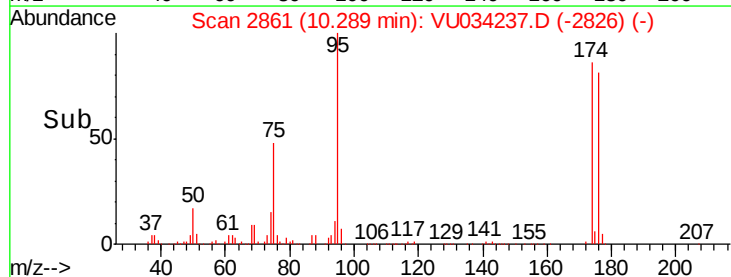
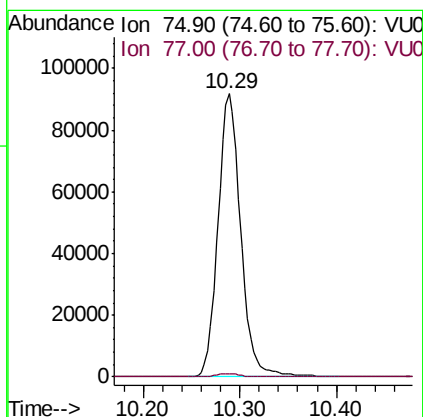
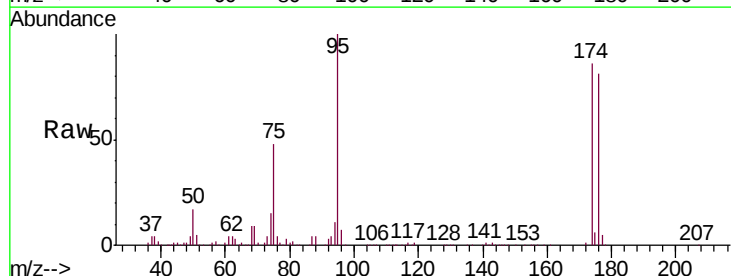
Instrument :
MSVOA_U
ClientSampleId :
T3-S-A-(2.5)

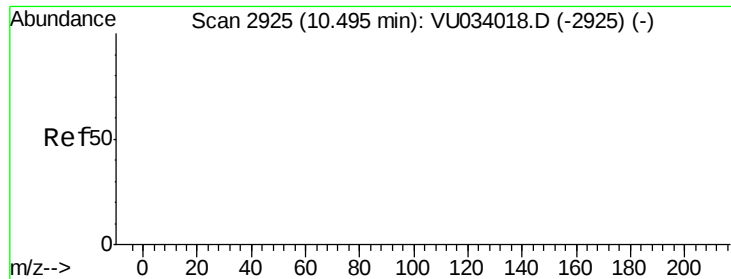
Tgt Ion:	43	Resp:	2520
Ion	Ratio	Lower	Upper
43	100		
70	0.0	35.2	52.8#
55	3.3	20.5	30.7#
61	0.0	20.0	30.0#



#76
1,2,3-Trichloropropane
Concen: 19.810 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. -0.19 min
Lab File: VU034237.D
Acq: 03 Sep 2019 19:18

Tgt Ion:	75	Resp:	149963
Ion	Ratio	Lower	Upper
75	100		
77	1.3	20.1	60.2#





#81

trans-1,4-Dichloro-2-butene

Concen: 66.705 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.21 min

Lab File: VU034237.D

Acq: 03 Sep 2019 19:18

Instrument :

MSVOA_U

ClientSampleId :

T3-S-A-(2.5)

Tgt Ion: 75 Resp: 149963

Ion Ratio Lower Upper

75 100

53 0.1 0.0 0.0#

89 0.0 0.0 0.0

