

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090219\
 Data File : VU034181.D
 Acq On : 01 Sep 2019 19:58
 Operator : JC/SP
 Sample : K4527-32
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 02 08:35:58 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	420472	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	693312	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	701743	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	339558	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.29	65	276342	51.29	ug/l	0.00
Spiked Amount			Recovery	=	102.58%	
35) Dibromofluoromethane	4.86	113	232853	48.42	ug/l	0.00
Spiked Amount			Recovery	=	96.84%	
50) Toluene-d8	7.55	98	906363	50.34	ug/l	0.00
Spiked Amount			Recovery	=	100.68%	
62) 4-Bromofluorobenzene	10.29	95	319544	45.62	ug/l	0.00
Spiked Amount			Recovery	=	91.24%	

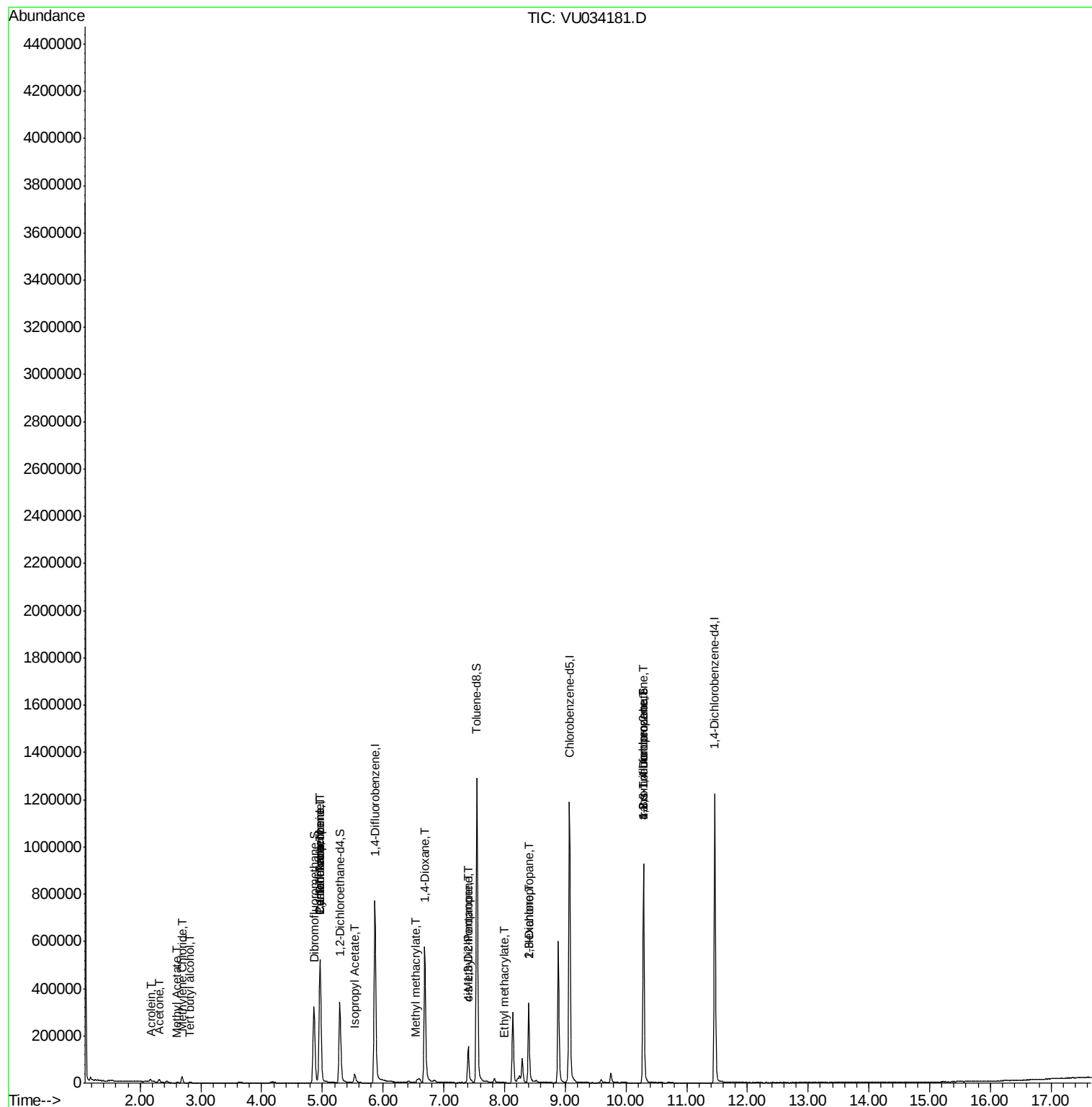
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	435	Below Cal	#	71
5) Bromomethane	1.58	94	46	Below Cal	#	2
11) Tert butyl alcohol	2.83	59	2896	2.331	ug/l #	73
13) Acrolein	2.19	56	149	0.285	ug/l #	1
16) Acetone	2.31	43	14949	5.438	ug/l	100
18) Methyl Acetate	2.61	43	2530	0.356	ug/l #	88
20) Methylene Chloride	2.69	84	12094	2.324	ug/l	95
31) Cyclohexane	4.96	56	8204	1.020	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	29592	4.512	ug/l #	49
38) Carbon Tetrachloride	4.96	117	39493	6.239	ug/l #	17
43) Isopropyl Acetate	5.53	43	46258	4.140	ug/l	98
48) Methyl methacrylate	6.52	41	4372	0.811	ug/l #	14
49) 1,4-Dioxane	6.68	88	46	0.341	ug/l #	1
51) 4-Methyl-2-Pentanone	7.40	43	54855	7.110	ug/l #	46
54) cis-1,3-Dichloropropene	7.40	75	27544	3.300	ug/l #	63
56) Ethyl methacrylate	8.00	69	105	0.984	ug/l #	27
57) 1,3-Dichloropropane	8.40	76	3576	0.407	ug/l #	42
59) 2-Hexanone	8.40	43	47285	8.118	ug/l #	55
76) 1,2,3-Trichloropropane	10.29	75	152286	19.899	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.29	75	152286	67.004	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# 1204

Delta R.T. 0.00 min

Lab File: VU034181.D

Acq: 01 Sep 2019 19:58

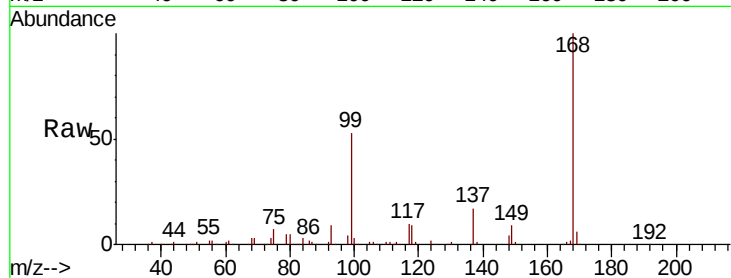
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 420472

Ion Ratio Lower Upper

168 100

99 53.5 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VU034181.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU034181.D (-1185) (-)

4.96

200000

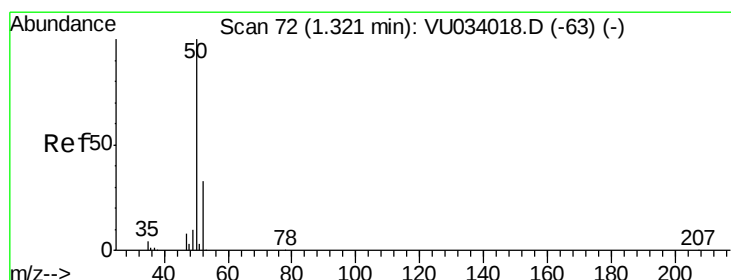
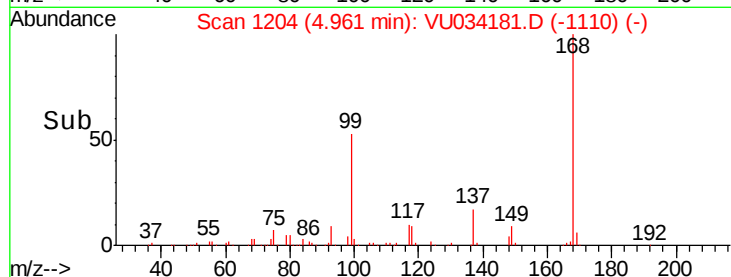
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 74

Delta R.T. 0.01 min

Lab File: VU034181.D

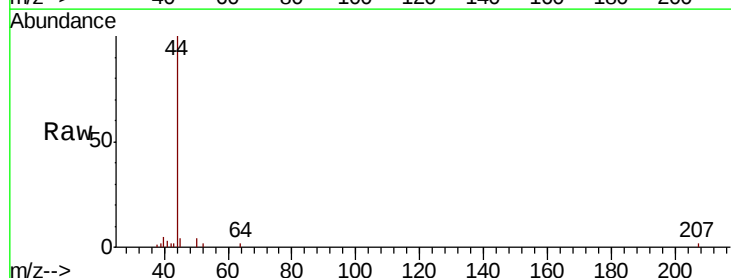
Acq: 01 Sep 2019 19:58

Tgt Ion: 50 Resp: 435

Ion Ratio Lower Upper

50 100

52 49.3 26.2 39.4#



Abundance Ion 49.90 (49.60 to 50.60): VU034181.D (-63) (-)

Ion 51.90 (51.60 to 52.60): VU034181.D (-63) (-)

1.33

400

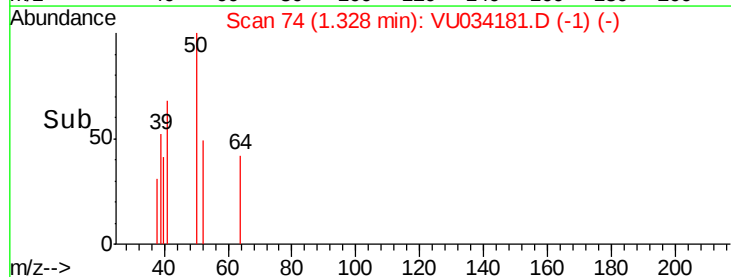
300

200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.58 min Scan# 153

Delta R.T. -0.02 min

Lab File: VU034181.D

Acq: 01 Sep 2019 19:58

Instrument :

MSVOA_U

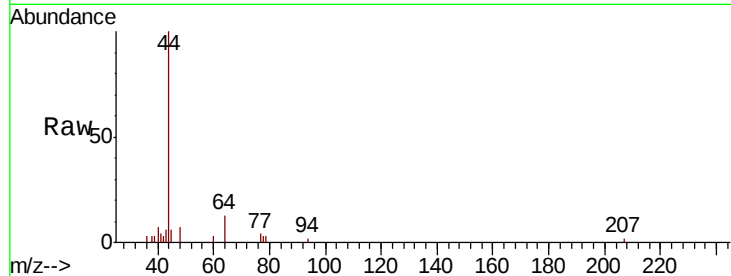
ClientSampleId :

Tot Ion: 94 Resp: 46

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

1.58

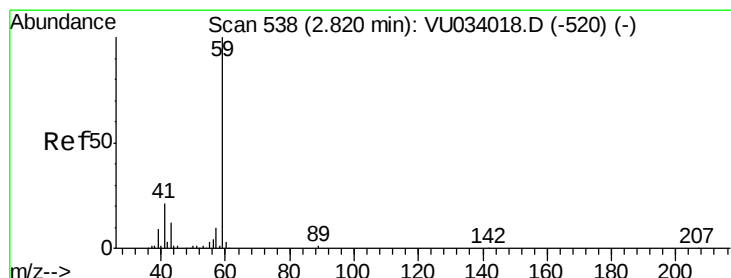
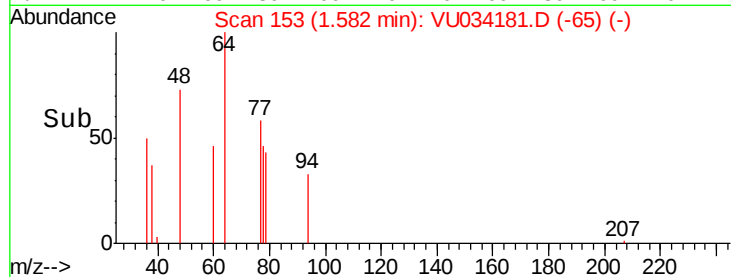
100

50

0

1.57 1.58 1.59

Time-->



#11

Tert butyl alcohol

Concen: 2.331 ug/l

RT: 2.83 min Scan# 541

Delta R.T. 0.01 min

Lab File: VU034181.D

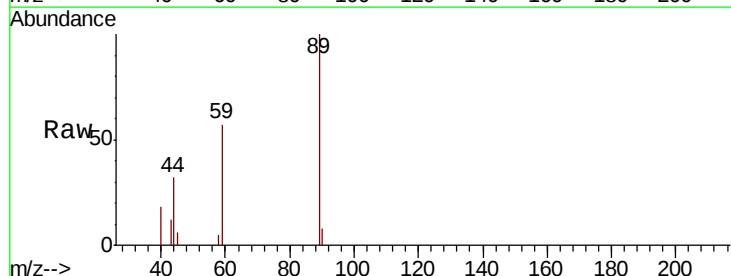
Acq: 01 Sep 2019 19:58

Tgt Ion: 59 Resp: 2896

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

2.83

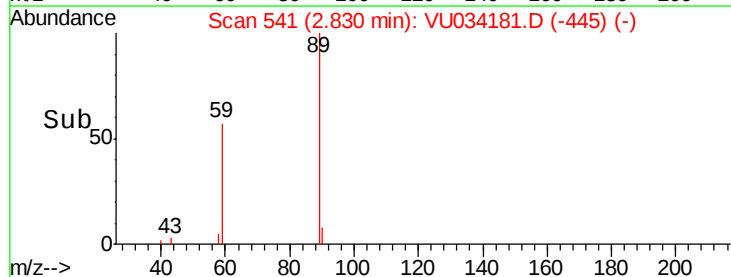
1000

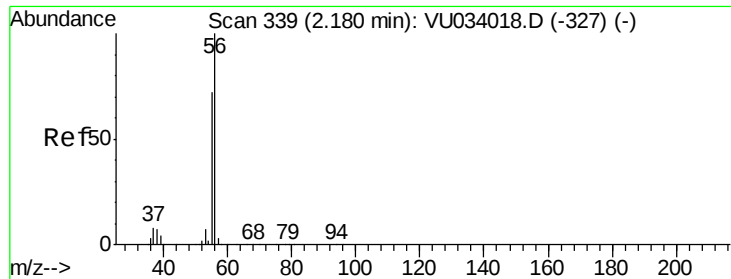
500

0

2.75 2.80 2.85

Time-->





#13

Acrolein

Concen: 0.285 ug/l

RT: 2.19 min Scan# 342

Delta R.T. 0.01 min

Lab File: VU034181.D

Acq: 01 Sep 2019 19:58

Instrument :

MSVOA_U

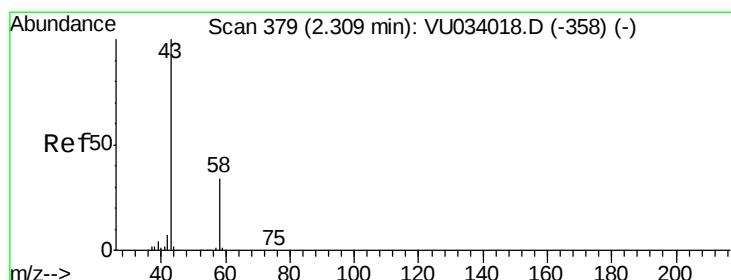
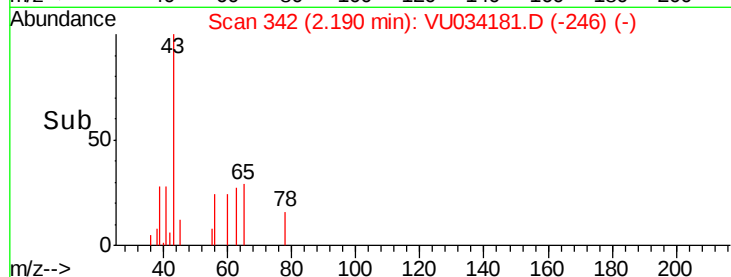
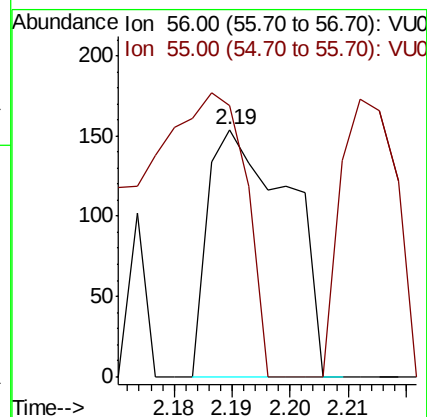
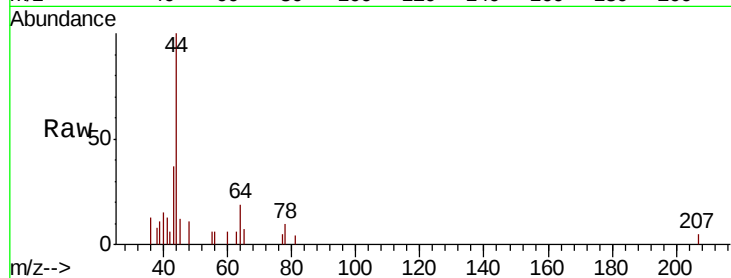
ClientSampled :

Tot Ion: 56 Resp: 149

Ion Ratio Lower Upper

56 100

55 163.8 57.1 85.7#



#16

Acetone

Concen: 5.438 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034181.D

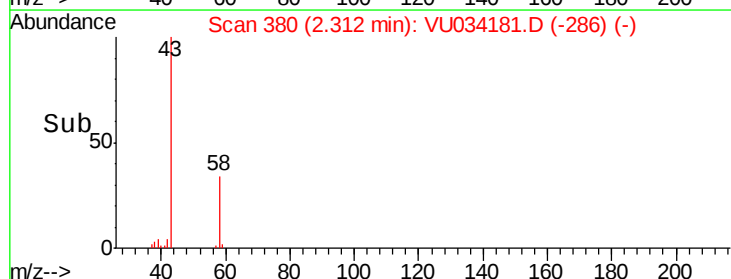
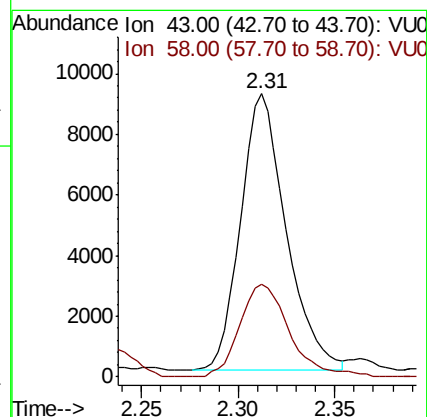
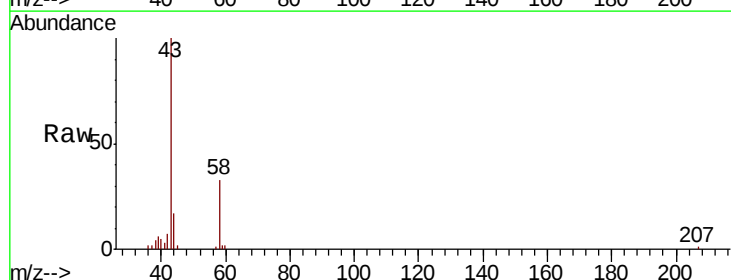
Acq: 01 Sep 2019 19:58

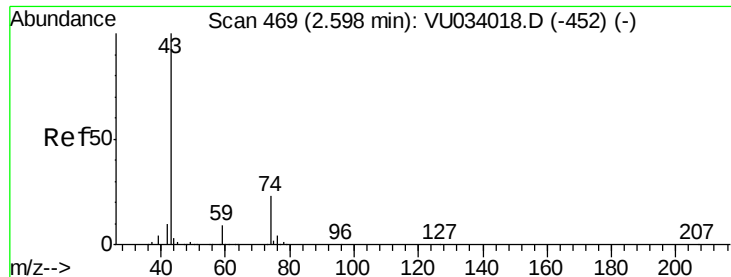
Tgt Ion: 43 Resp: 14949

Ion Ratio Lower Upper

43 100

58 33.5 26.8 40.2

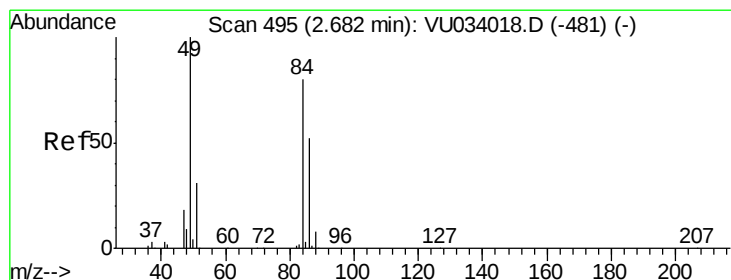
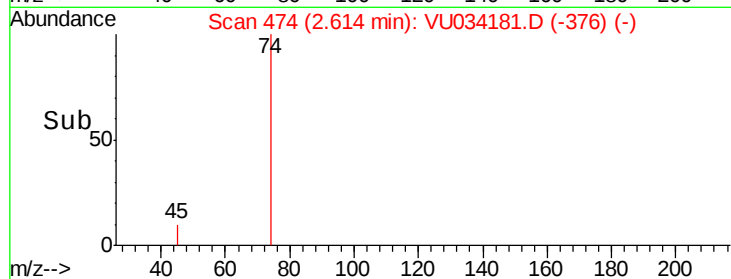
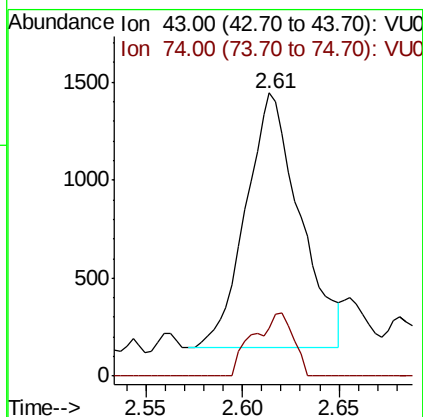
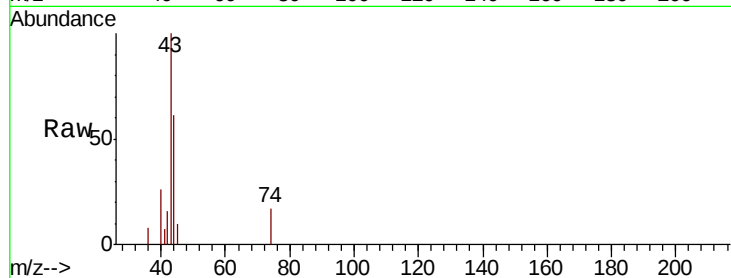




#18
Methyl Acetate
Concen: 0.356 ug/l
RT: 2.61 min Scan# 474
Delta R.T. 0.02 min
Lab File: VU034181.D
Acq: 01 Sep 2019 19:58

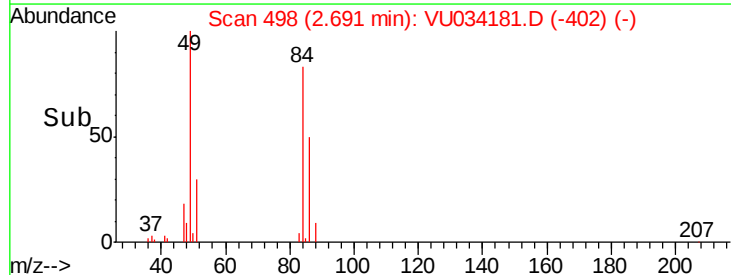
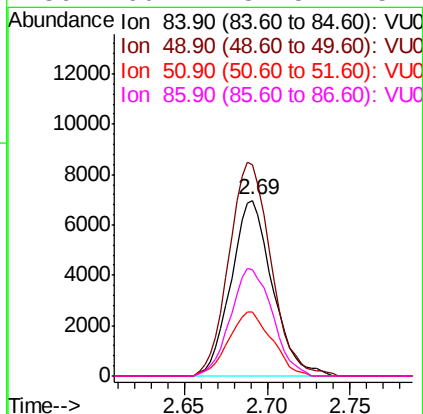
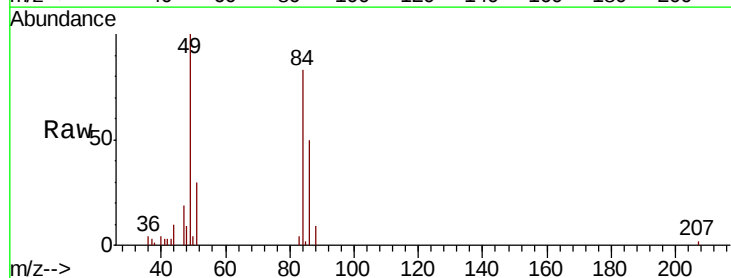
Instrument :
MSVOA_U
ClientSampleId :

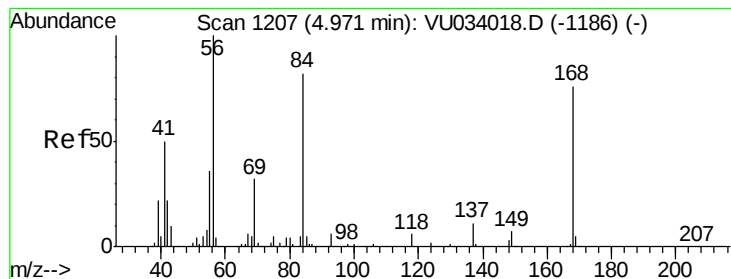
Tot Ion: 43 Resp: 2530
Ion Ratio Lower Upper
43 100
74 18.2 19.2 28.8#



#20
Methylene Chloride
Concen: 2.324 ug/l
RT: 2.69 min Scan# 498
Delta R.T. 0.01 min
Lab File: VU034181.D
Acq: 01 Sep 2019 19:58

Tgt Ion: 84 Resp: 12094
Ion Ratio Lower Upper
84 100
49 120.5 100.2 150.4
51 36.6 30.8 46.2
86 60.2 52.5 78.7





#31

Cyclohexane

Concen: 1.020 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VU034181.D

Acq: 01 Sep 2019 19:58

Instrument :
MSVOA_U
ClientSampled :

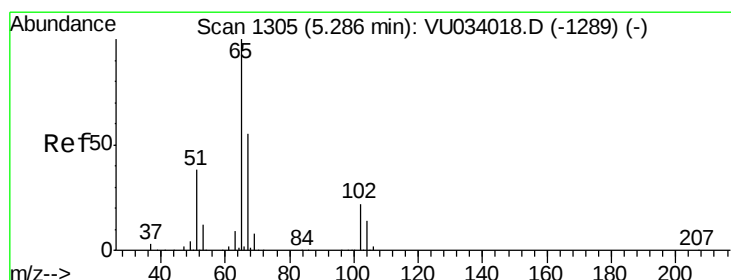
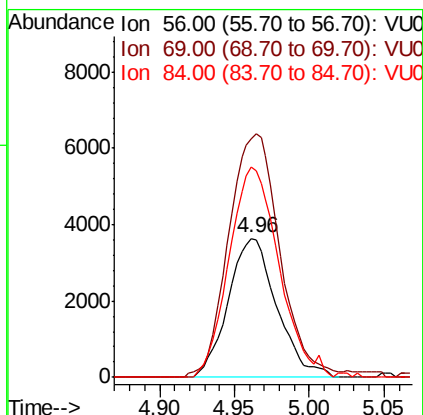
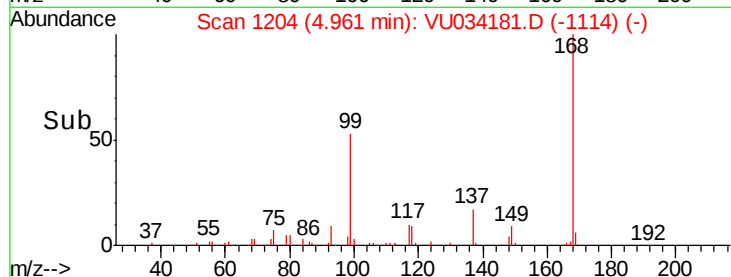
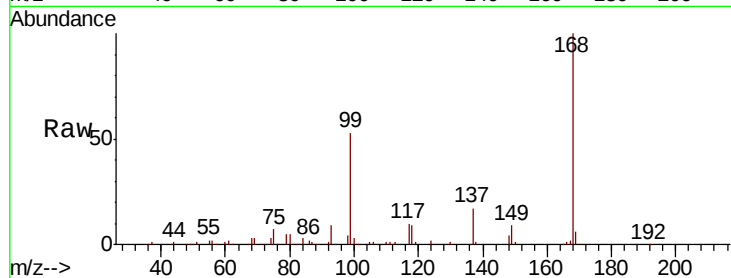
Tot Ion: 56 Resp: 8204

Ion Ratio Lower Upper

56 100

69 169.2 25.4 38.0#

84 151.3 65.8 98.8#



#33

1,2-Dichloroethane-d4

Concen: 51.291 ug/l

RT: 5.29 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU034181.D

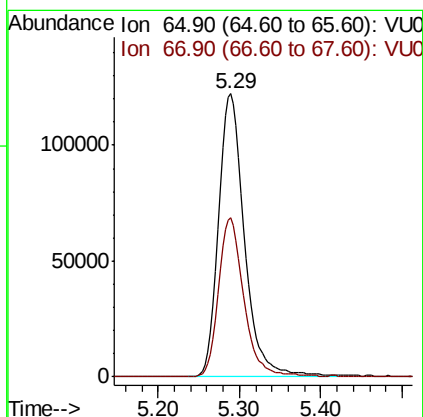
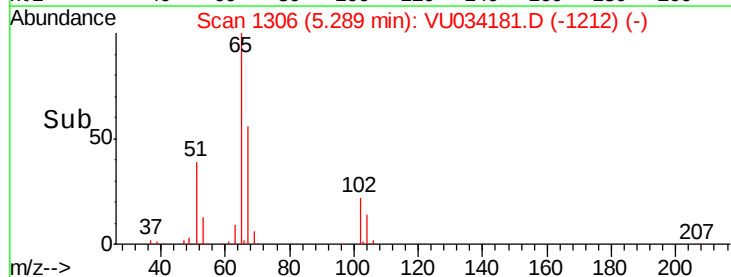
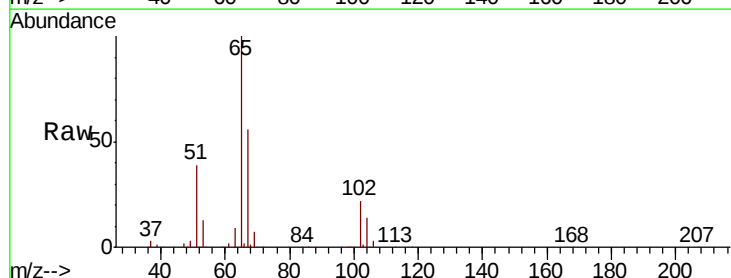
Acq: 01 Sep 2019 19:58

Tgt Ion: 65 Resp: 276342

Ion Ratio Lower Upper

65 100

67 54.8 0.0 110.6

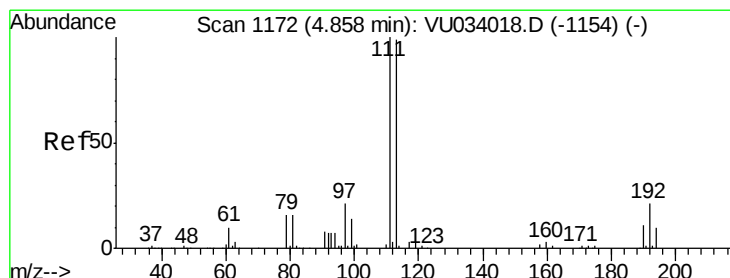
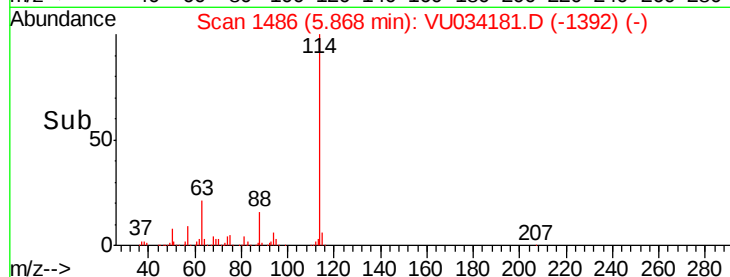
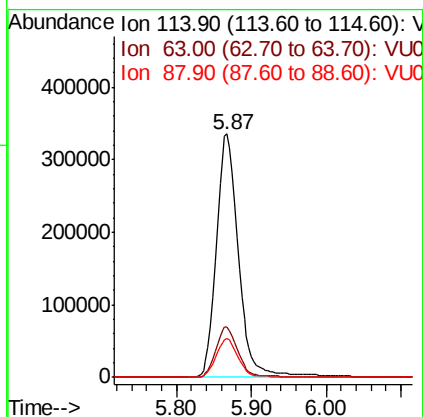
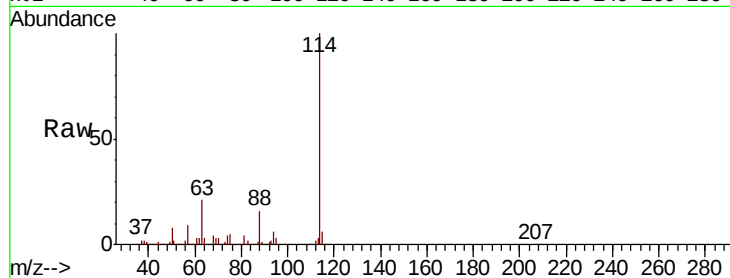




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034181.D
 Acq: 01 Sep 2019 19:58

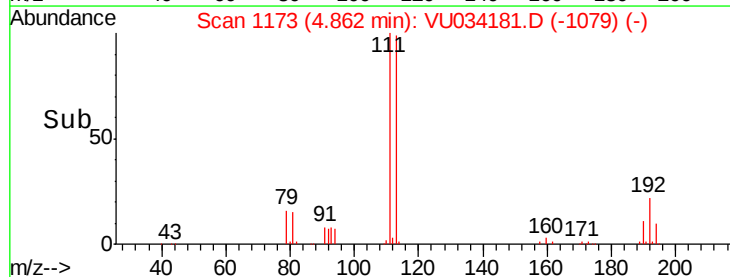
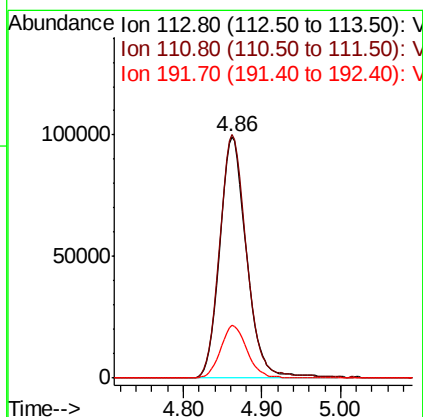
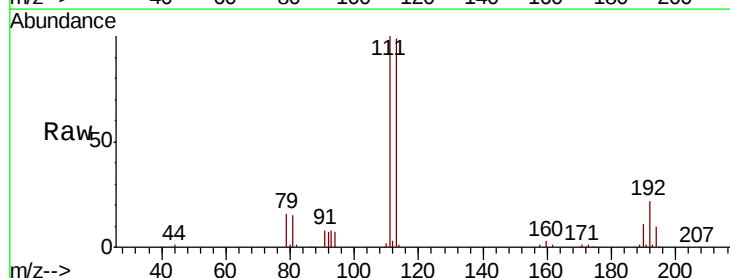
Instrument :
 MSVOA_U
 ClientSampleId :

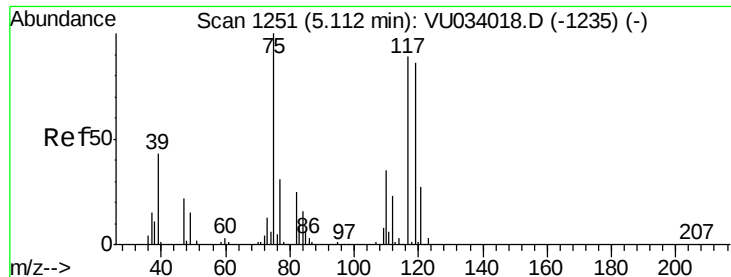
Tot Ion:114 Resp: 693312
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 42.0
 88 16.0 0.0 32.0



#35
 Dibromofluoromethane
 Concen: 48.423 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034181.D
 Acq: 01 Sep 2019 19:58

Tgt Ion:113 Resp: 232853
 Ion Ratio Lower Upper
 113 100
 111 100.7 81.7 122.5
 192 21.7 17.1 25.7

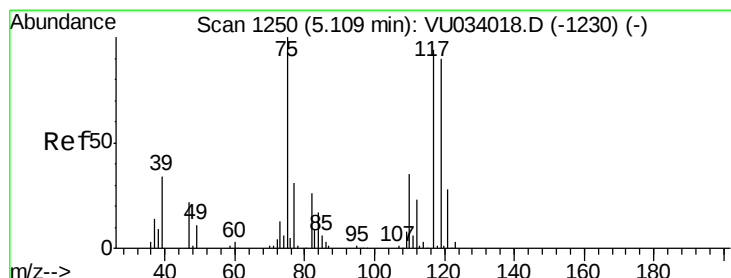
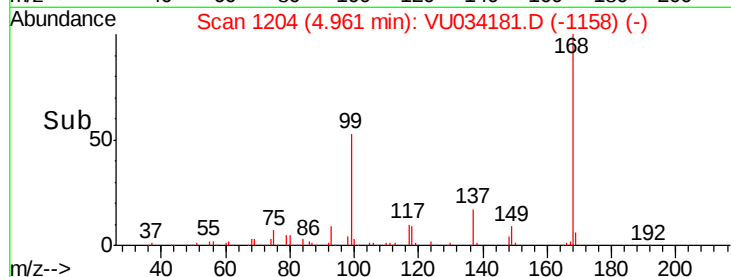
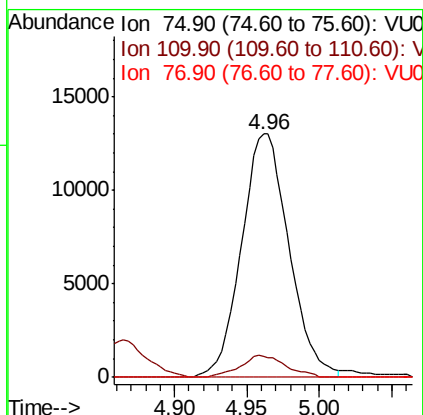
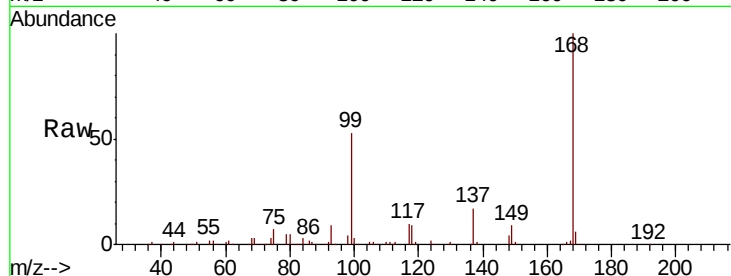




#36
 1,1-Dichloropropene
 Concen: 4.512 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034181.D
 Acq: 01 Sep 2019 19:58

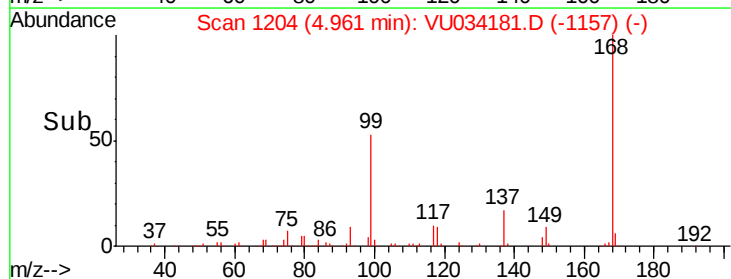
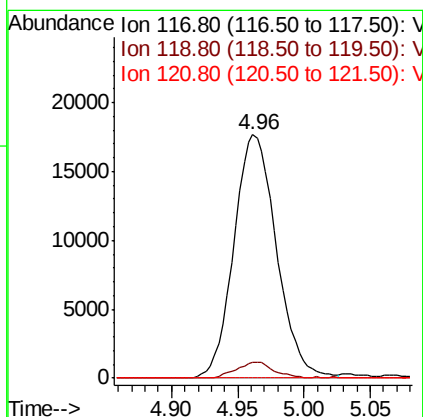
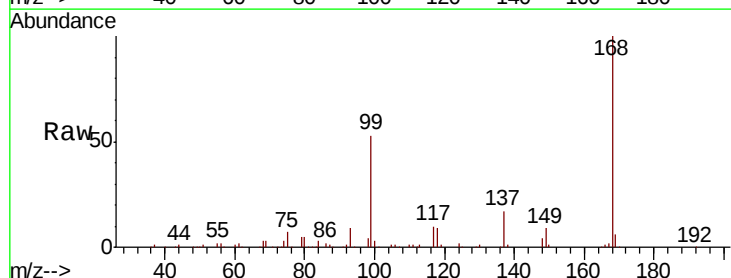
Instrument :
 MSVOA_U
 ClientSampleId :

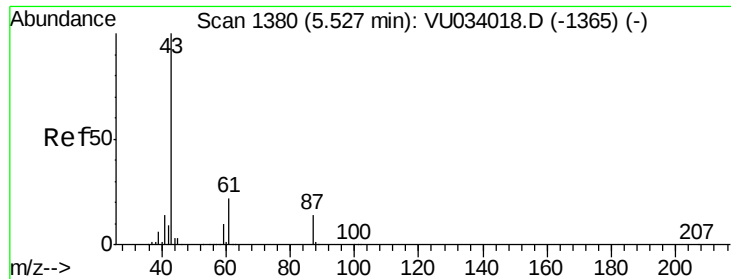
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.7	17.8	53.5#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.239 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034181.D
 Acq: 01 Sep 2019 19:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.4	77.0	115.4#
121	0.0	23.9	35.9#

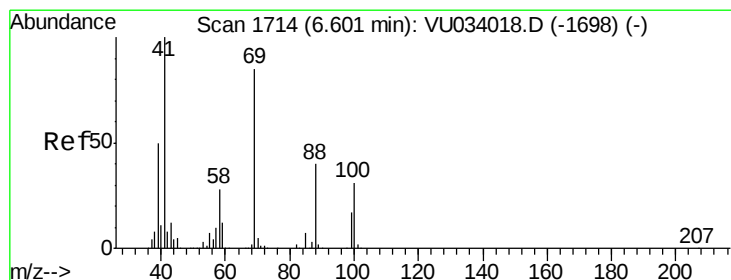
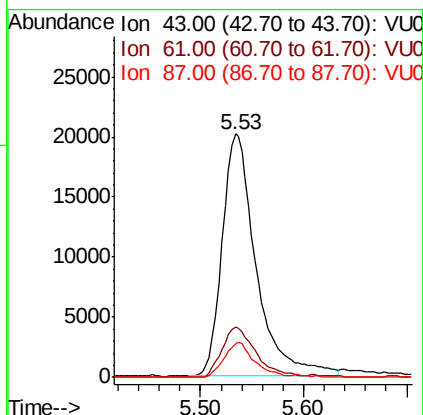
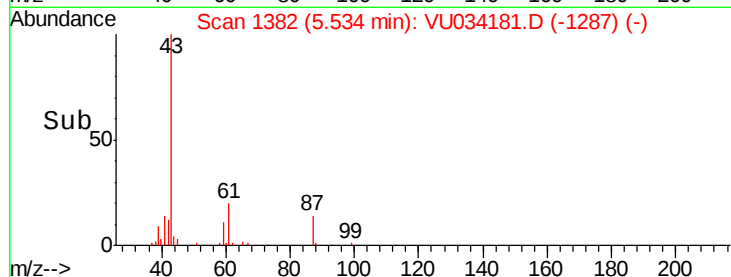
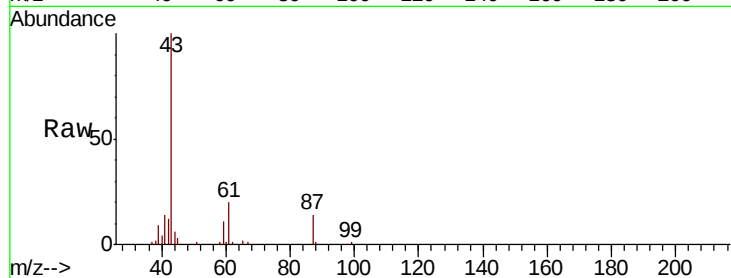




#43
Isopropyl Acetate
Concen: 4.140 ug/l
RT: 5.53 min Scan# 1382
Delta R.T. 0.01 min
Lab File: VU034181.D
Acq: 01 Sep 2019 19:58

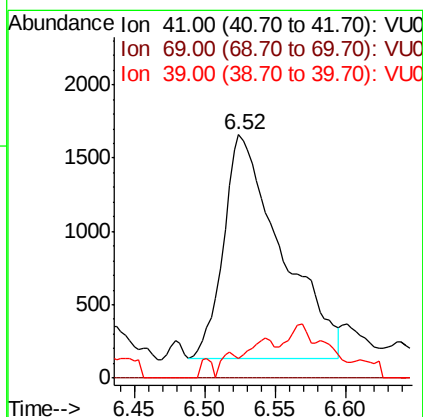
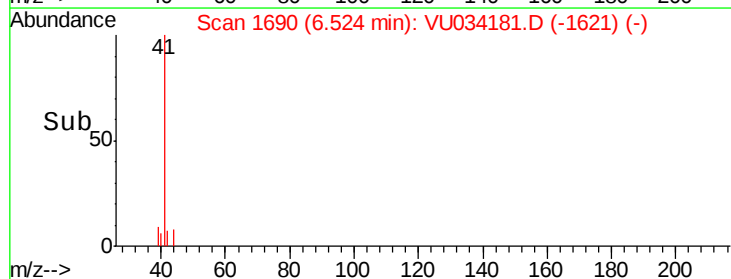
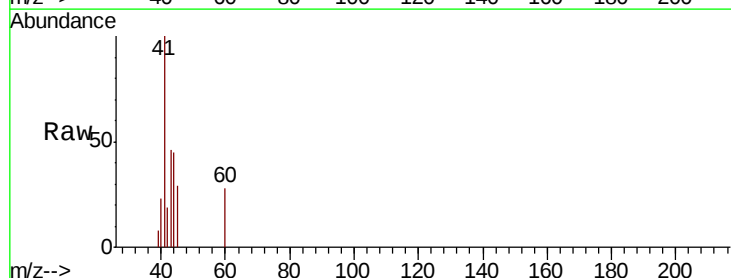
Instrument :
MSVOA_U
ClientSampleId :

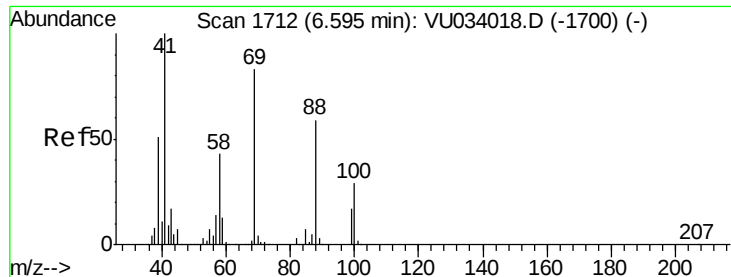
Tot Ion	Ratio	Lower	Upper
43	100		
61	20.6	17.2	25.8
87	12.8	10.8	16.2



#48
Methyl methacrylate
Concen: 0.811 ug/l
RT: 6.52 min Scan# 1690
Delta R.T. -0.08 min
Lab File: VU034181.D
Acq: 01 Sep 2019 19:58

Tgt 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: 0.341 ug/l

RT: 6.68 min Scan# 1739

Delta R.T. 0.09 min

Lab File: VU034181.D

Acq: 01 Sep 2019 19:58

Instrument :

MSVOA_U

ClientSampleId :

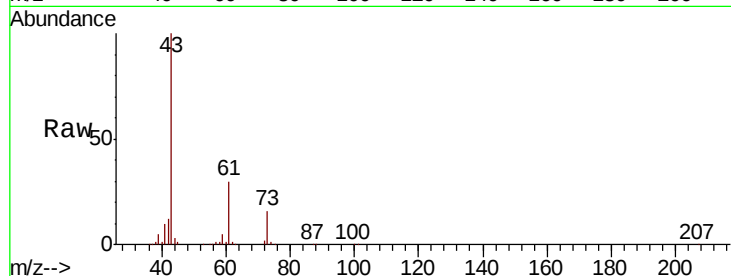
Tot Ion: 88 Resp: 46

Ion Ratio Lower Upper

88 100

43 1246087.0 24.8 37.2#

58 8860.9 59.3 88.9#

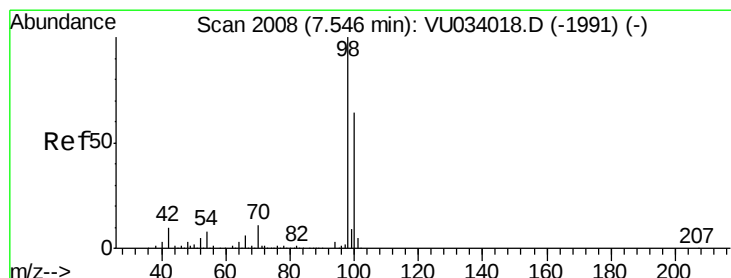
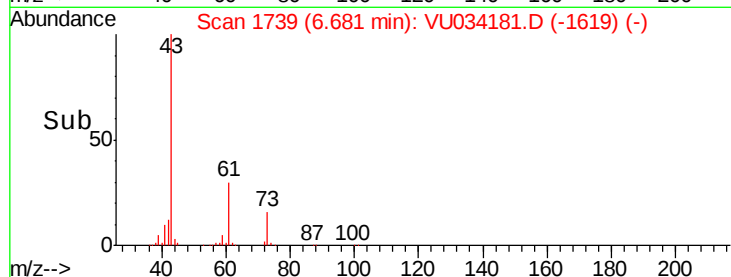
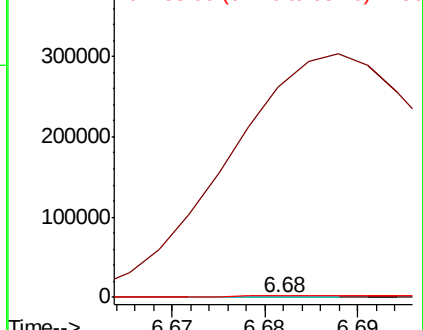


Abundance

Ion 88.00 (87.70 to 88.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#50

Toluene-d8

Concen: 50.337 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VU034181.D

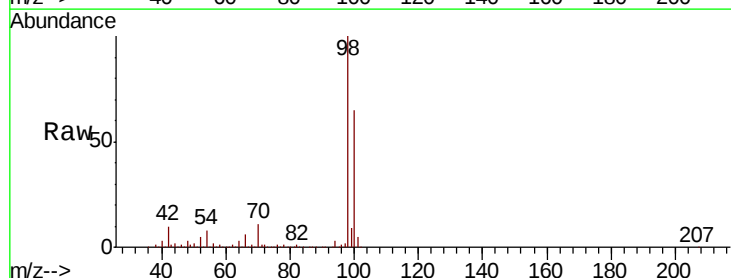
Acq: 01 Sep 2019 19:58

Tgt Ion: 98 Resp: 906363

Ion Ratio Lower Upper

98 100

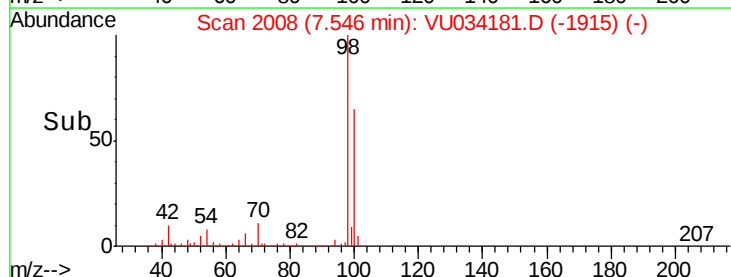
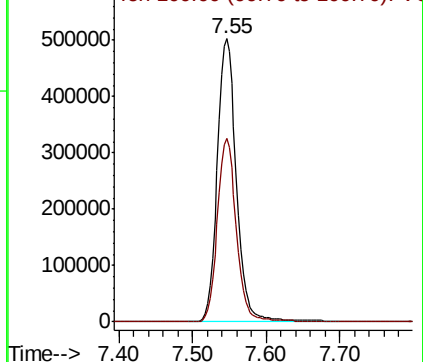
100 64.4 50.3 75.5

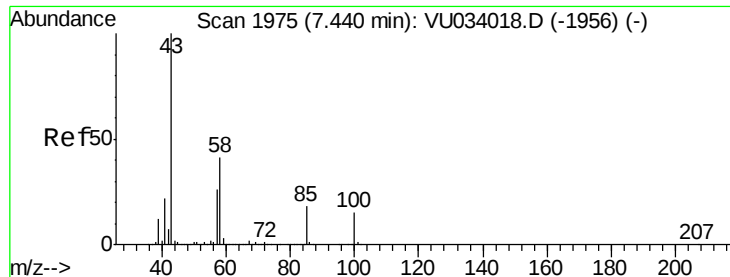


Abundance

Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#51

4-Methyl-2-Pentanone

Concen: 7.110 ug/l

RT: 7.40 min Scan# 1963

Delta R.T. -0.04 min

Lab File: VU034181.D

Acq: 01 Sep 2019 19:58

Instrument :

MSVOA_U

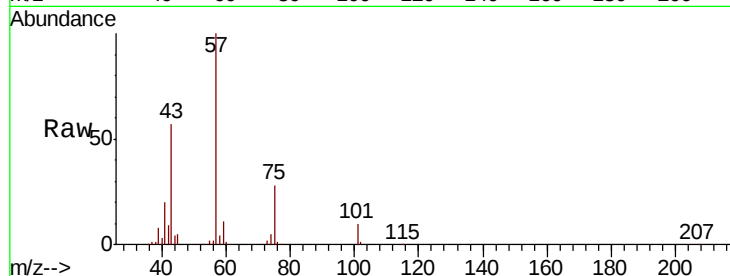
ClientSampleId :

Tot Ion: 43 Resp: 54855

Ion Ratio Lower Upper

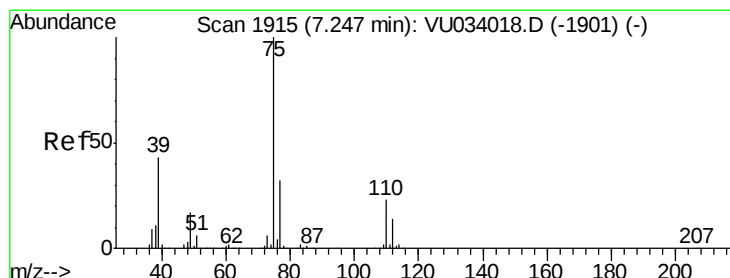
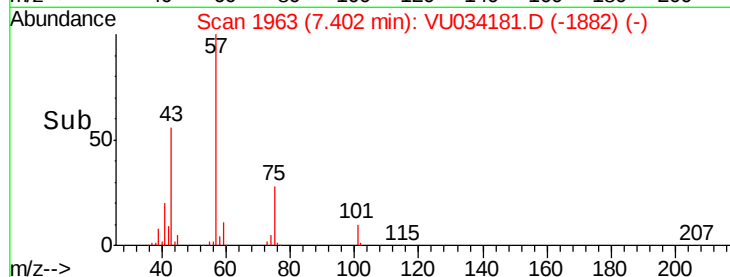
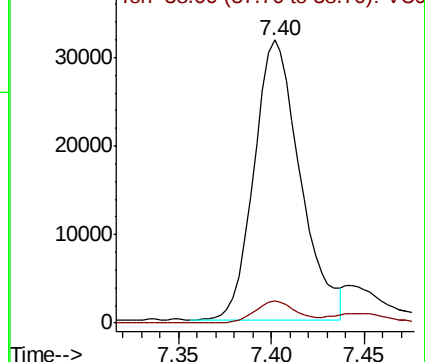
43 100

58 7.1 32.2 48.4#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#54

cis-1,3-Dichloropropene

Concen: 3.300 ug/l

RT: 7.40 min Scan# 1963

Delta R.T. 0.15 min

Lab File: VU034181.D

Acq: 01 Sep 2019 19:58

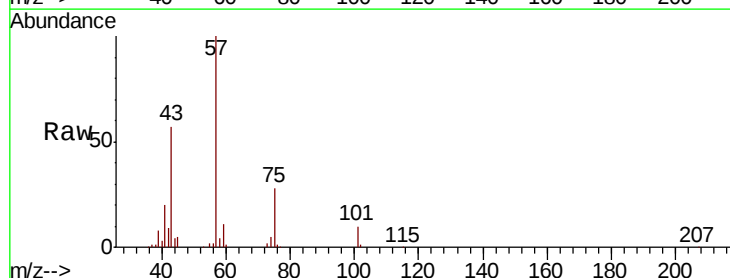
Tgt Ion: 75 Resp: 27544

Ion Ratio Lower Upper

75 100

77 1.1 25.2 37.8#

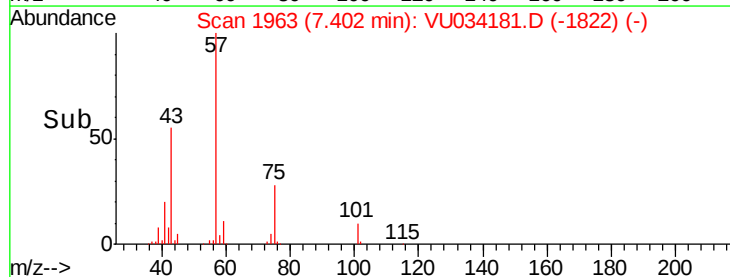
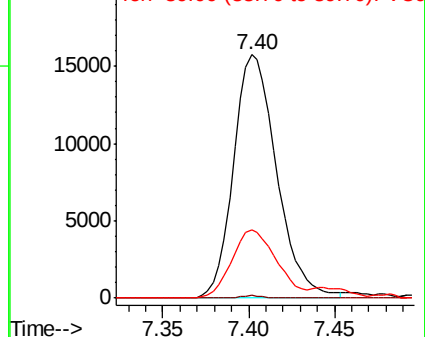
39 28.3 34.6 51.8#

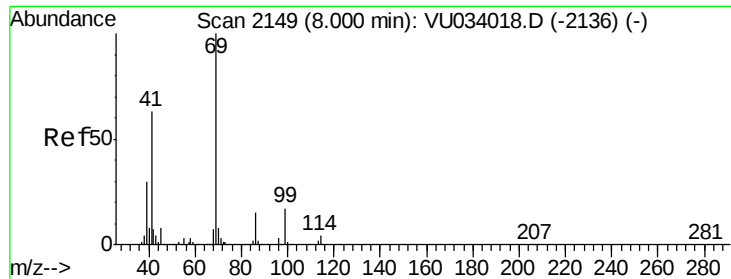


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

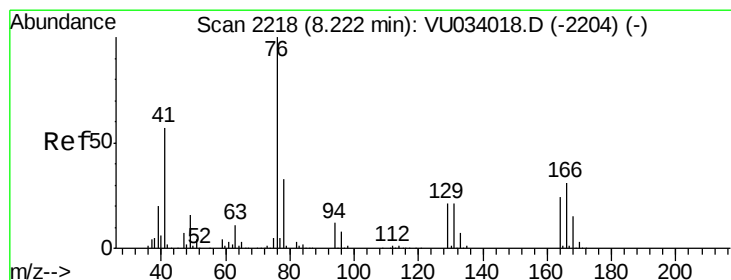
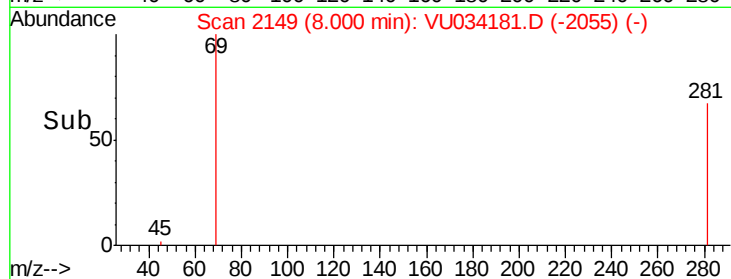
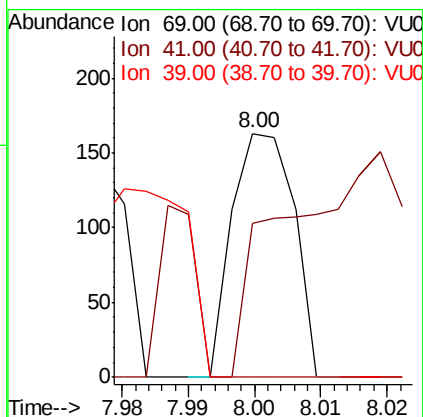
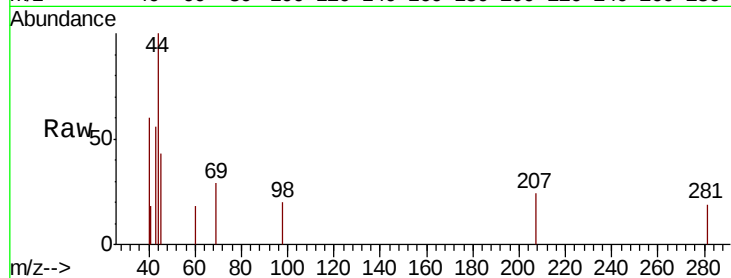




#56
Ethyl methacrylate
Concen: 0.984 ug/l
RT: 8.00 min Scan# 2149
Delta R.T. 0.00 min
Lab File: VU034181.D
Acq: 01 Sep 2019 19:58

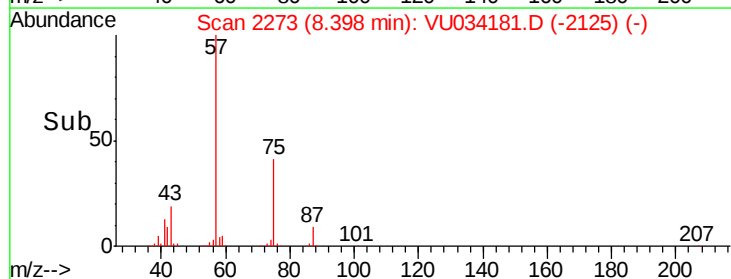
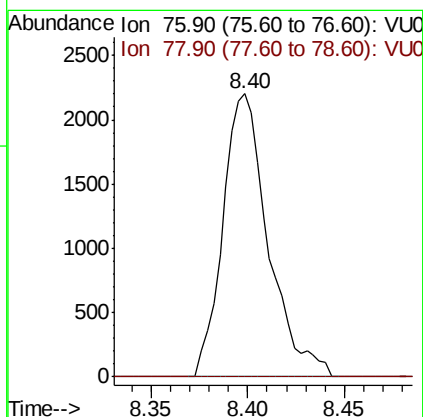
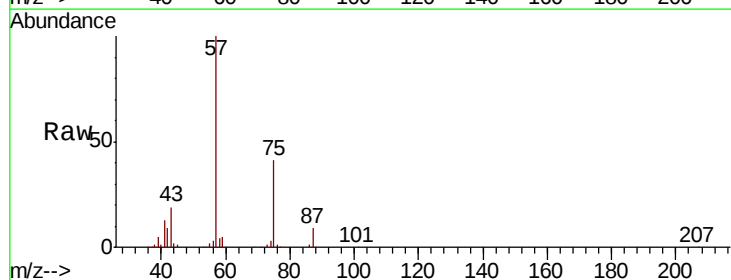
Instrument :
MSVOA_U
ClientSampled :

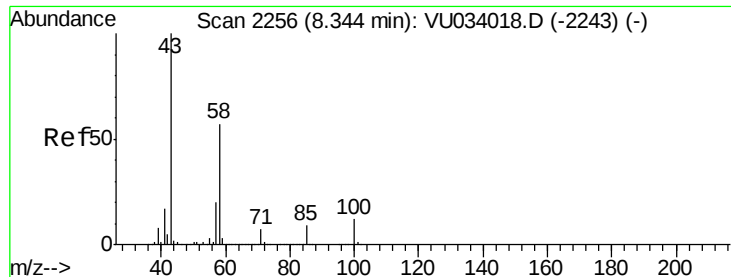
Tot Ion: 69 Resp: 105
Ion Ratio Lower Upper
69 100
41 0.0 50.7 76.1#
39 0.0 24.2 36.2#



#57
1,3-Dichloropropane
Concen: 0.407 ug/l
RT: 8.40 min Scan# 2273
Delta R.T. 0.18 min
Lab File: VU034181.D
Acq: 01 Sep 2019 19:58

Tgt Ion: 76 Resp: 3576
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.4#

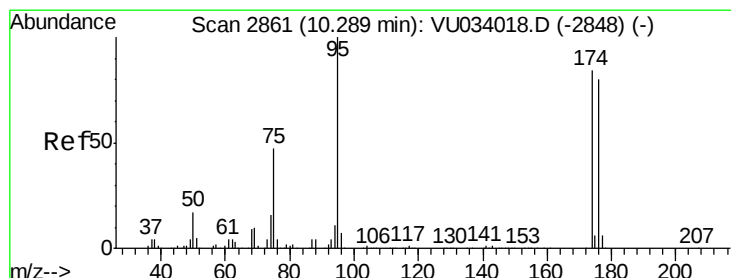
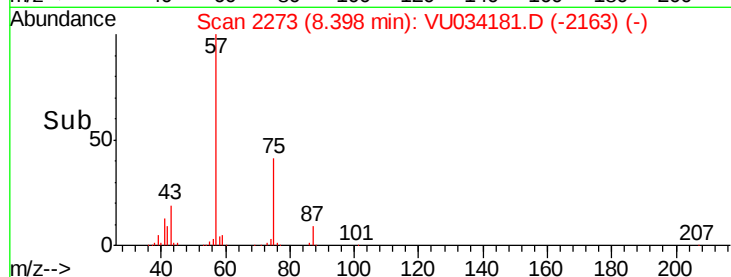
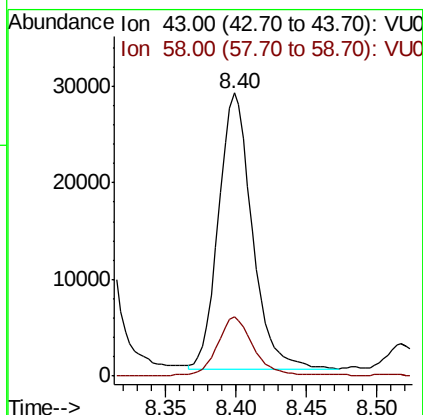
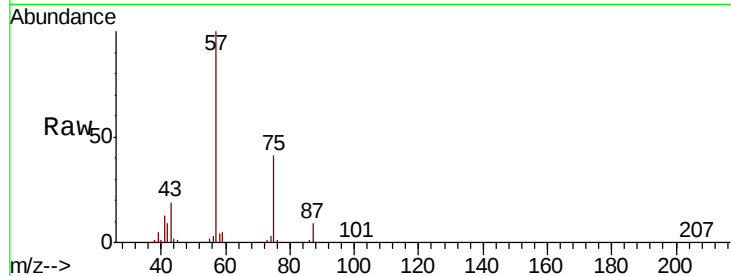




#59
2-Hexanone
Concen: 8.118 ug/l
RT: 8.40 min Scan# 2273
Delta R.T. 0.05 min
Lab File: VU034181.D
Acq: 01 Sep 2019 19:58

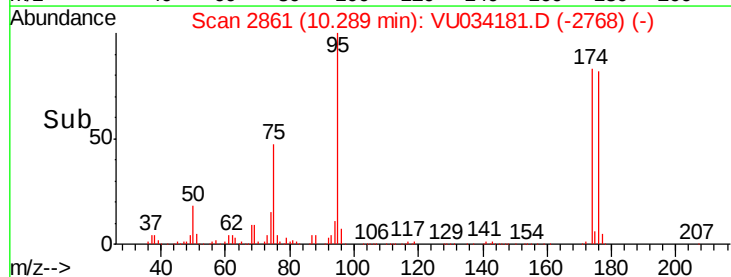
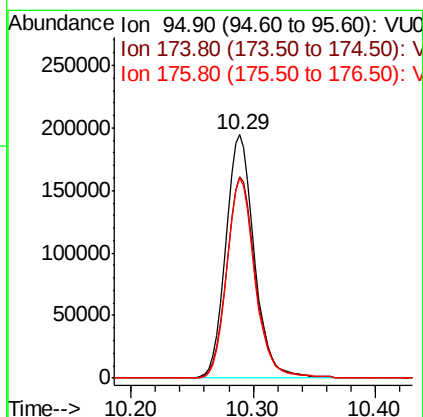
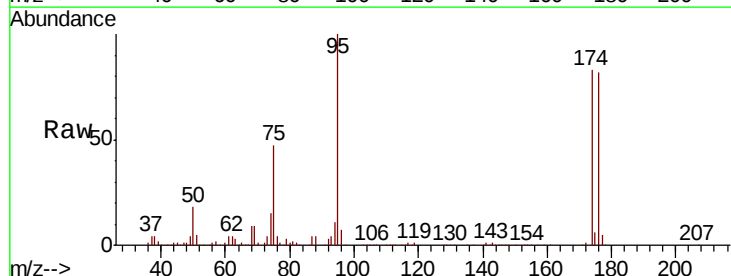
Instrument :
MSVOA_U
ClientSampleId :

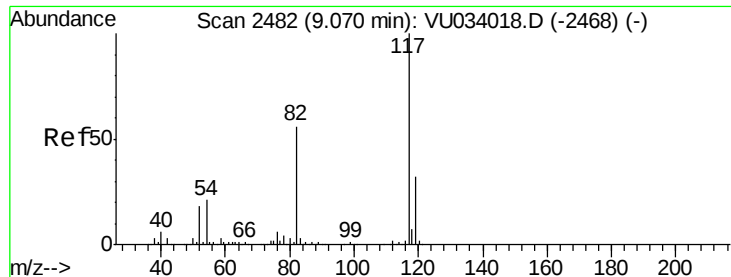
Tot Ion: 43 Resp: 47285
Ion Ratio Lower Upper
43 100
58 23.5 28.4 85.3#



#62
4-Bromofluorobenzene
Concen: 45.623 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. 0.00 min
Lab File: VU034181.D
Acq: 01 Sep 2019 19:58

Tgt Ion: 95 Resp: 319544
Ion Ratio Lower Upper
95 100
174 83.9 0.0 168.8
176 80.8 0.0 161.8

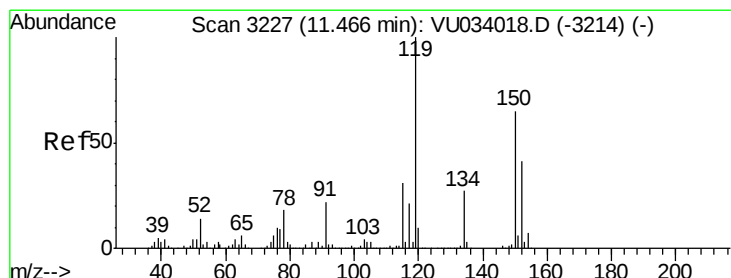
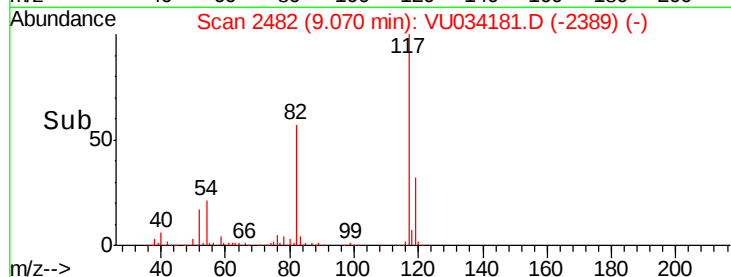
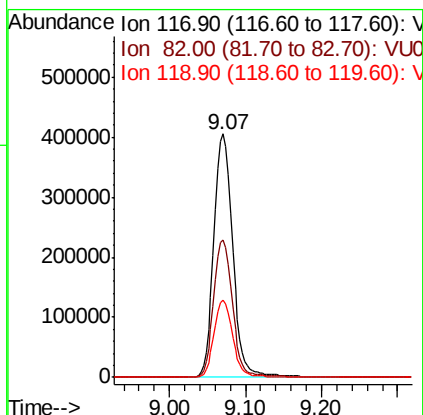
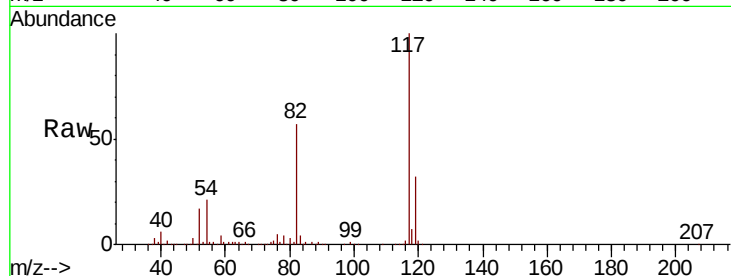




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034181.D
Acq: 01 Sep 2019 19:58

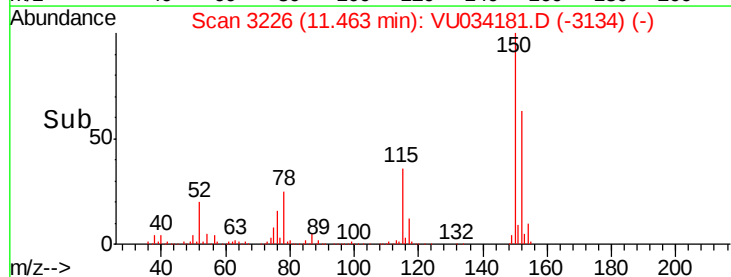
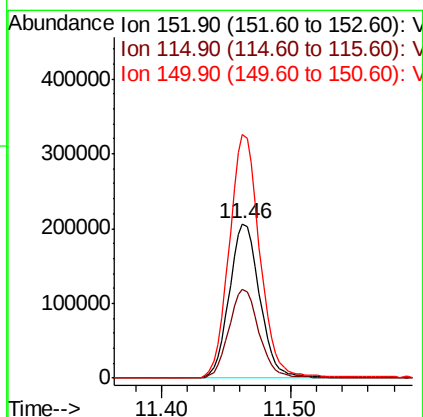
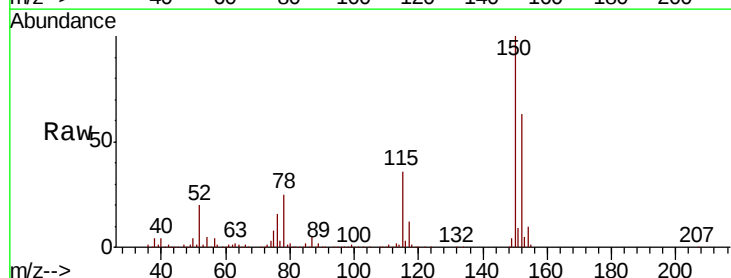
Instrument :
MSVOA_U
ClientSampled :

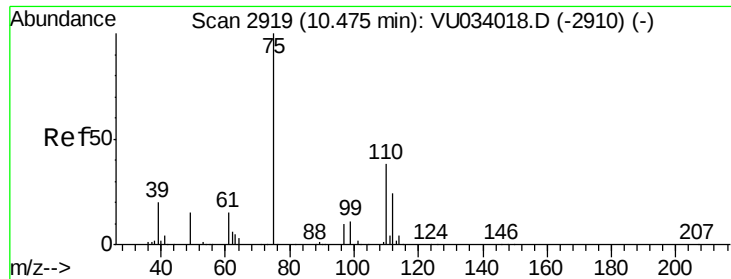
Tot Ion:117 Resp: 701743
Ion Ratio Lower Upper
117 100
82 56.6 45.1 67.7
119 31.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VU034181.D
Acq: 01 Sep 2019 19:58

Tgt Ion:152 Resp: 339558
Ion Ratio Lower Upper
152 100
115 57.0 41.1 123.3
150 158.1 0.0 348.8

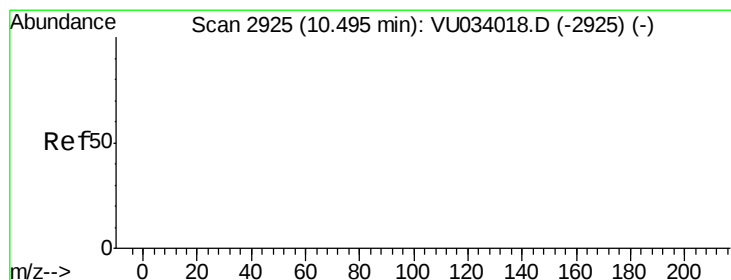
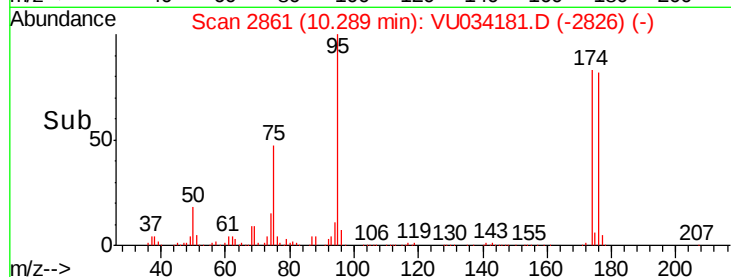
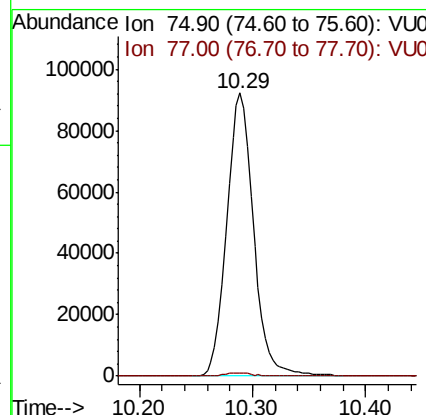
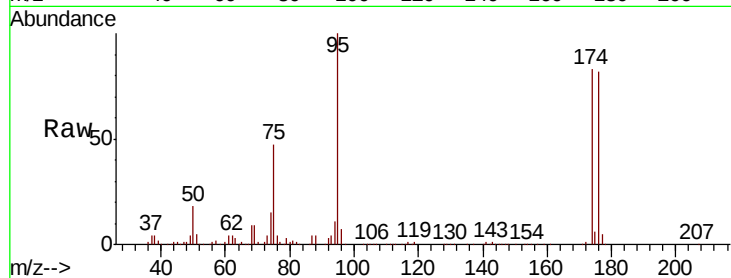




#76
 1,2,3-Trichloropropane
 Concen: 19.899 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. -0.19 min
 Lab File: VU034181.D
 Acq: 01 Sep 2019 19:58

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 75 Resp: 152286
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.1 60.2#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.004 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. -0.21 min
 Lab File: VU034181.D
 Acq: 01 Sep 2019 19:58

Tgt Ion: 75 Resp: 152286
 Ion Ratio Lower Upper
 75 100
 53 0.2 0.0 0.0#
 89 0.0 0.0 0.0

