

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090519\
 Data File : VU034266.D
 Acq On : 04 Sep 2019 18:27
 Operator : JC/SP
 Sample : K4547-38
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 T12-2-(0)

Quant Time: Sep 05 03:41:00 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	412163	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	648531	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	665933	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	327628	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	255356	48.35	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.70%	
35) Dibromofluoromethane	4.86	113	216510	48.13	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.26%	
50) Toluene-d8	7.55	98	863896	51.29	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.58%	
62) 4-Bromofluorobenzene	10.29	95	298695	45.59	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.18%	

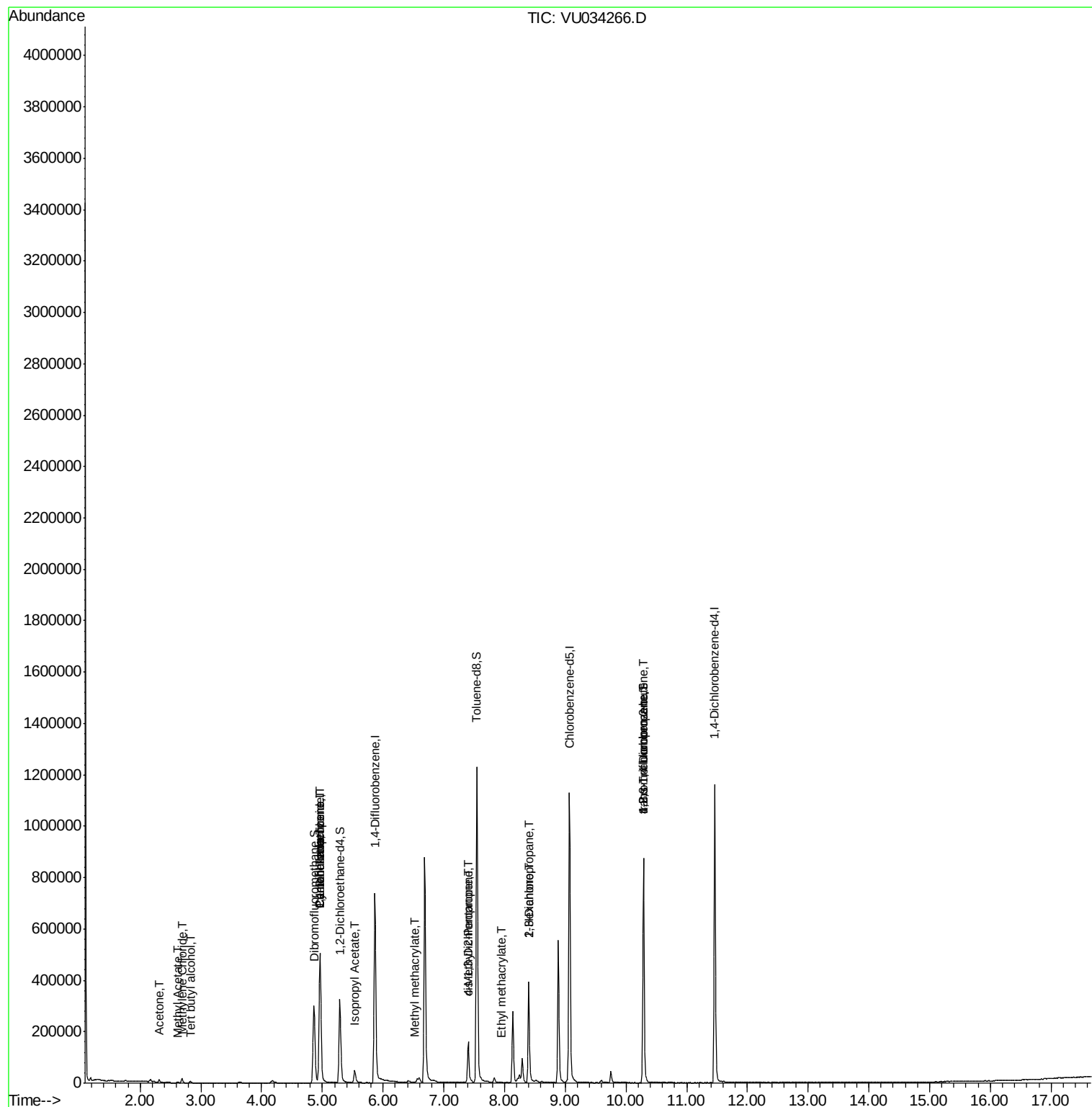
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	444	Below Cal		100
5) Bromomethane	1.60	94	22	Below Cal	#	2
11) Tert butyl alcohol	2.82	59	3339	2.742	ug/l #	73
16) Acetone	2.31	43	12192	4.524	ug/l	95
18) Methyl Acetate	2.61	43	3564	0.512	ug/l #	81
20) Methylene Chloride	2.69	84	8017	1.572	ug/l #	82
31) Cyclohexane	4.96	56	7119	0.903	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	28729	4.683	ug/l #	49
38) Carbon Tetrachloride	4.96	117	37565	6.344	ug/l #	16
43) Isopropyl Acetate	5.53	43	60323	5.772	ug/l	99
48) Methyl methacrylate	6.52	41	4677	0.927	ug/l #	14
51) 4-Methyl-2-Pentanone	7.40	43	55236	7.653	ug/l #	46
54) cis-1,3-Dichloropropene	7.40	75	30311	3.883	ug/l #	62
56) Ethyl methacrylate	7.95	69	104	0.984	ug/l #	27
57) 1,3-Dichloropropane	8.40	76	3985	0.485	ug/l #	42
59) 2-Hexanone	8.40	43	54483	10.000	ug/l #	53
76) 1,2,3-Trichloropropane	10.29	75	141653	19.183	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.29	75	141653	64.595	ug/l #	100

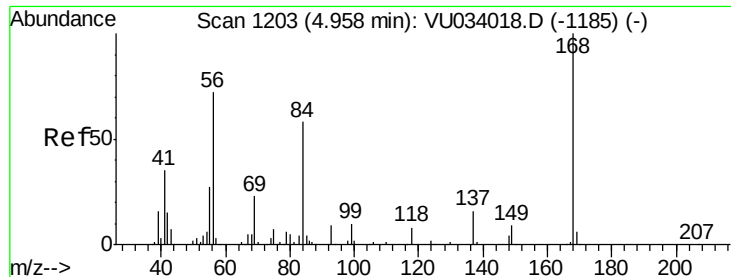
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU034266.D

Acq: 04 Sep 2019 18:27

Instrument :

MSVOA_U

ClientSampleId :

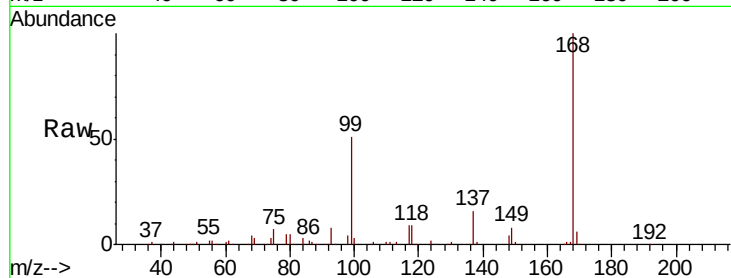
T12-2-(0)

Tgt Ion:168 Resp: 412163

Ion Ratio Lower Upper

168 100

99 51.3 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

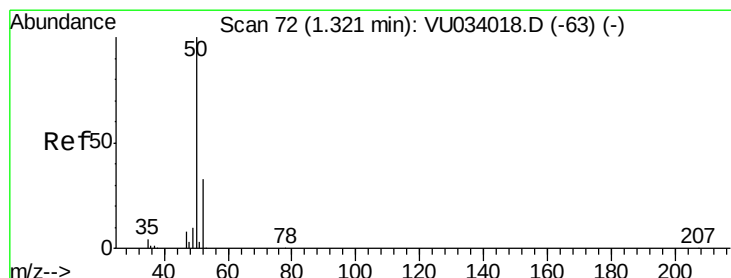
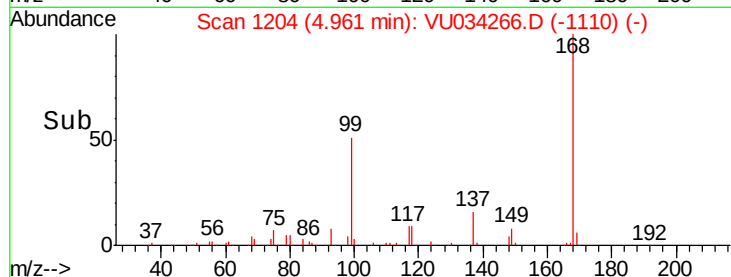
100000

50000

0

4.90 5.00

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 74

Delta R.T. 0.01 min

Lab File: VU034266.D

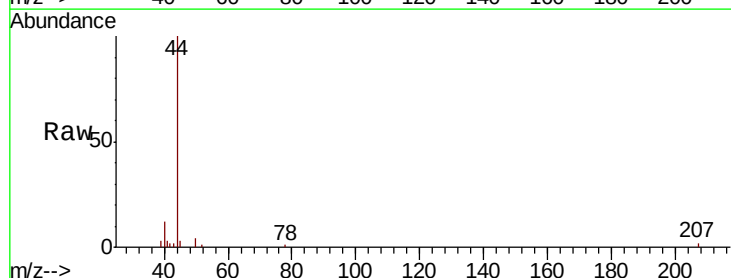
Acq: 04 Sep 2019 18:27

Tgt Ion: 50 Resp: 444

Ion Ratio Lower Upper

50 100

52 33.0 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

400

300

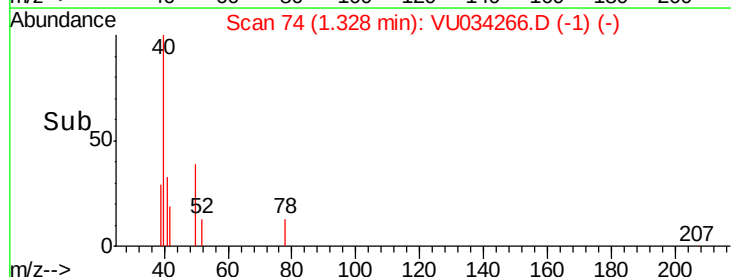
200

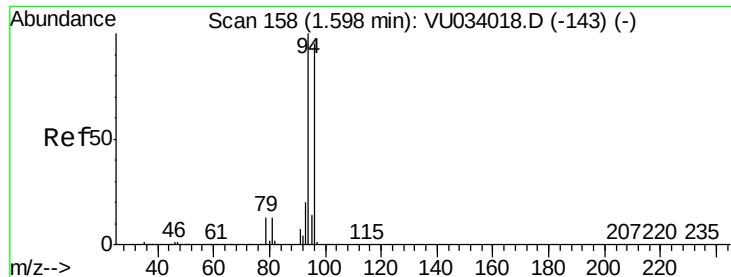
100

0

1.30 1.32 1.34 1.36

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.60 min Scan# 160

Delta R.T. 0.01 min

Lab File: VU034266.D

Acq: 04 Sep 2019 18:27

Instrument :

MSVOA_U

ClientSampleId :

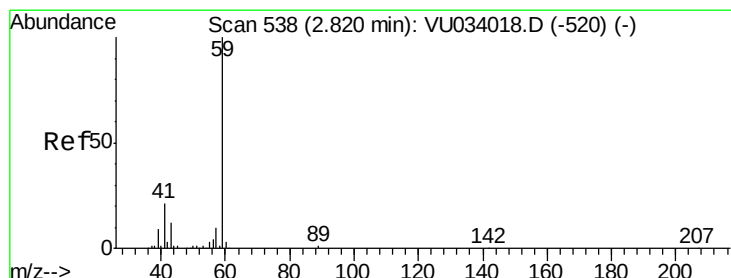
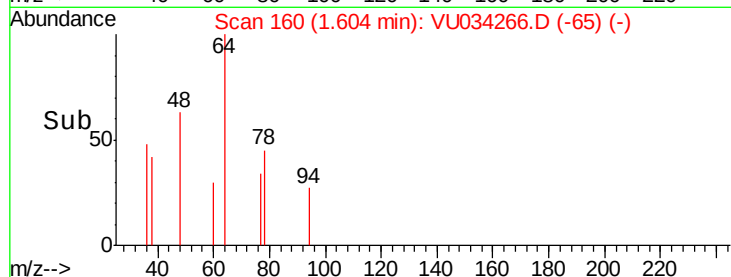
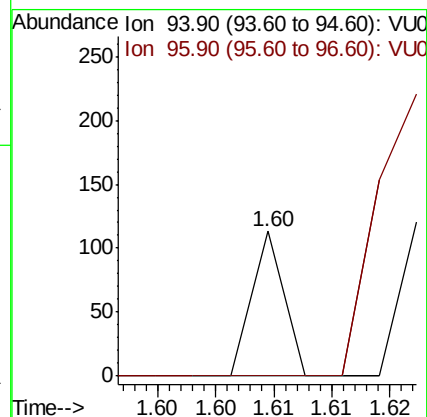
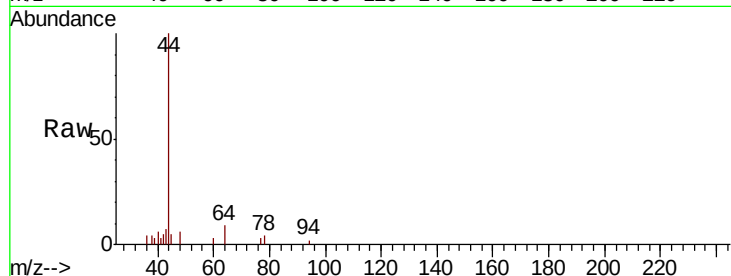
T12-2-(0)

Tgt Ion: 94 Resp: 22

Ion Ratio Lower Upper

94 100

96 0.0 76.3 114.5#



#11

Tert butyl alcohol

Concen: 2.742 ug/l

RT: 2.82 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU034266.D

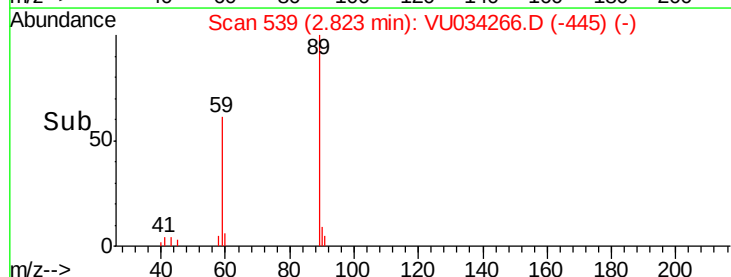
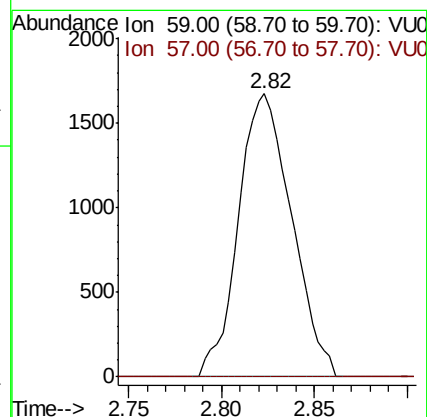
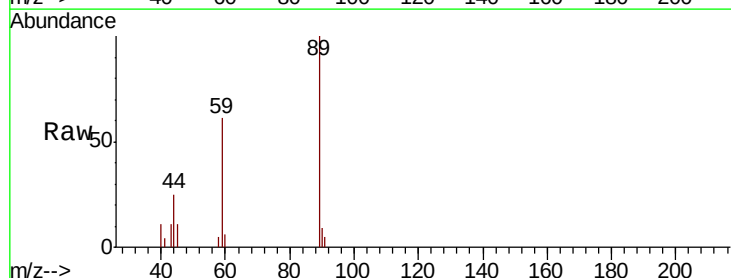
Acq: 04 Sep 2019 18:27

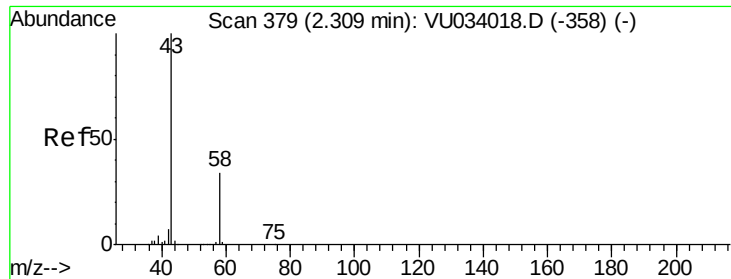
Tgt Ion: 59 Resp: 3339

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#





#16

Acetone

Concen: 4.524 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034266.D

Acq: 04 Sep 2019 18:27

Instrument :

MSVOA_U

ClientSampleId :

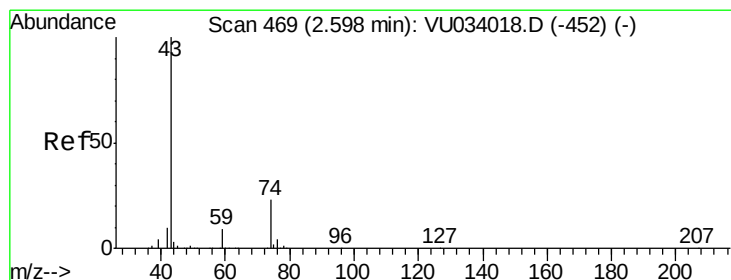
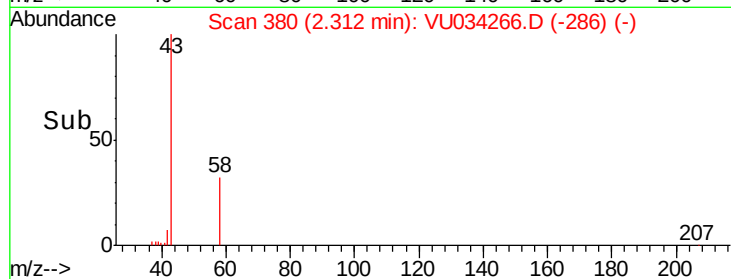
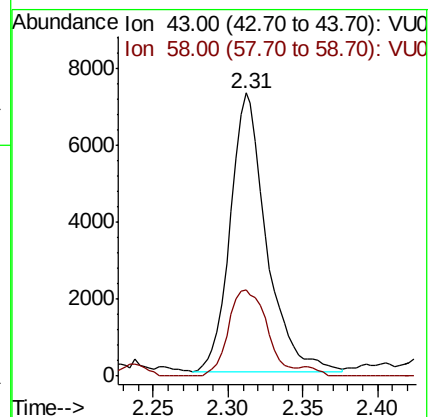
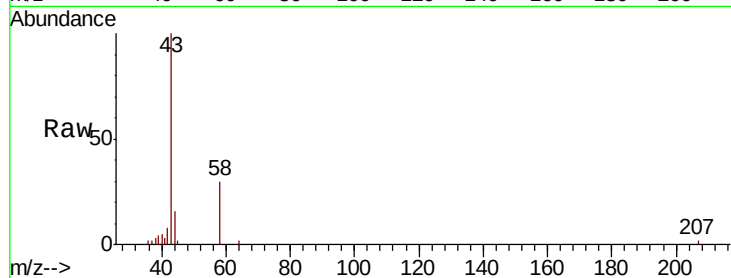
T12-2-(0)

Tgt Ion: 43 Resp: 12192

Ion Ratio Lower Upper

43 100

58 30.8 26.8 40.2



#18

Methyl Acetate

Concen: 0.512 ug/l

RT: 2.61 min Scan# 474

Delta R.T. 0.02 min

Lab File: VU034266.D

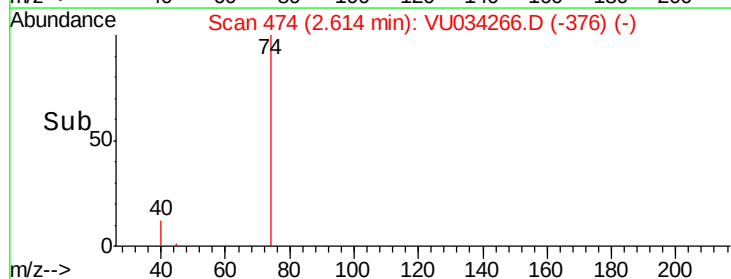
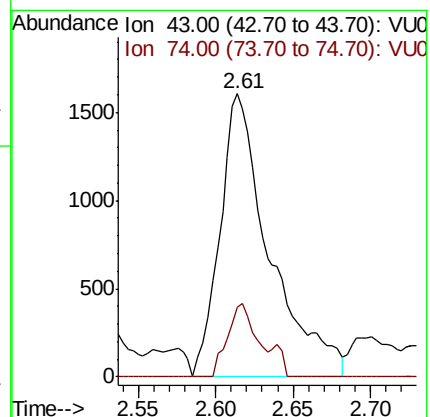
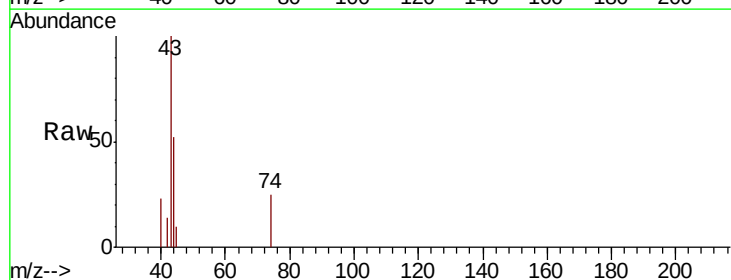
Acq: 04 Sep 2019 18:27

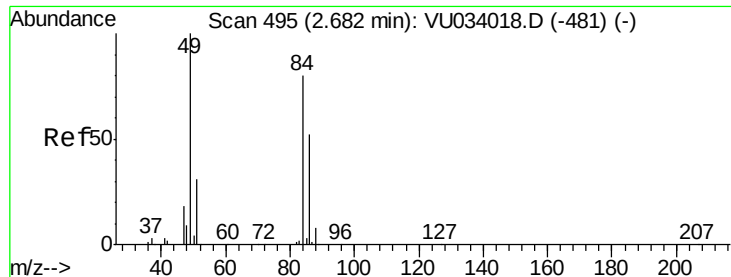
Tgt Ion: 43 Resp: 3564

Ion Ratio Lower Upper

43 100

74 14.8 19.2 28.8#

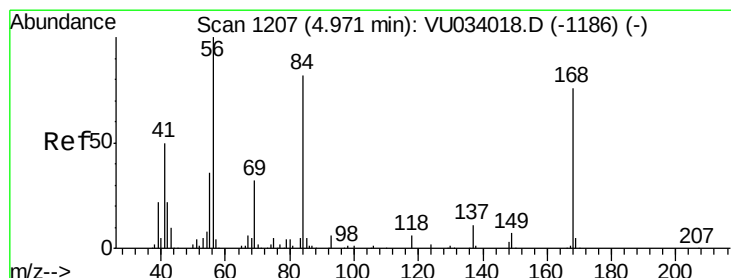
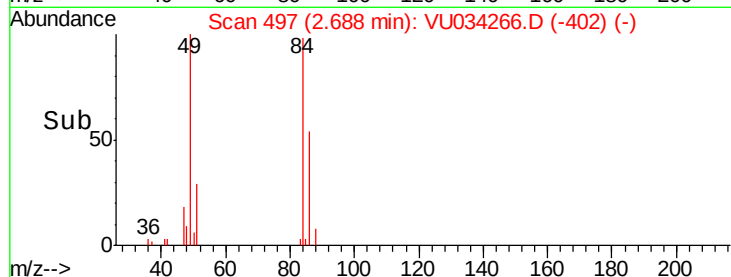
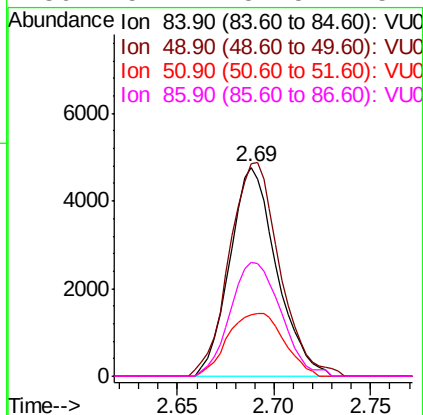
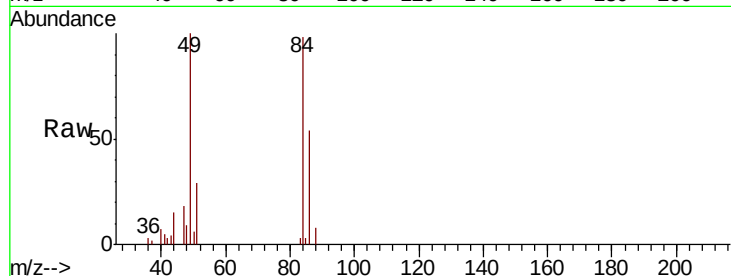




#20
Methylene Chloride
Concen: 1.572 ug/l
RT: 2.69 min Scan# 497
Delta R.T. 0.01 min
Lab File: VU034266.D
Acq: 04 Sep 2019 18:27

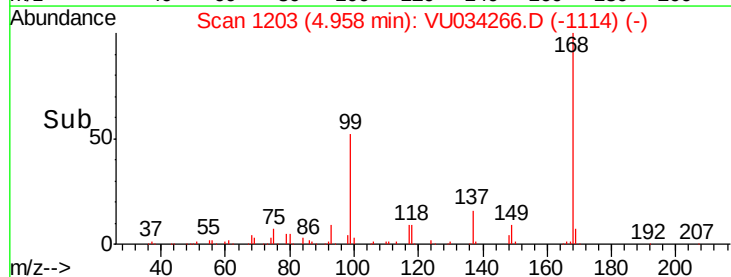
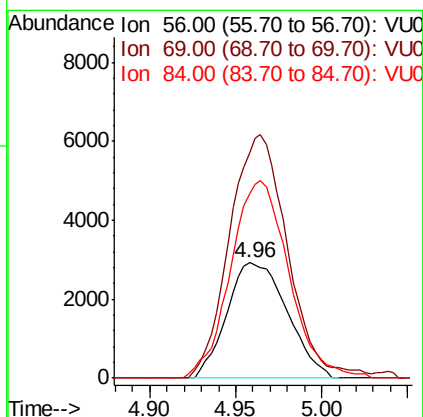
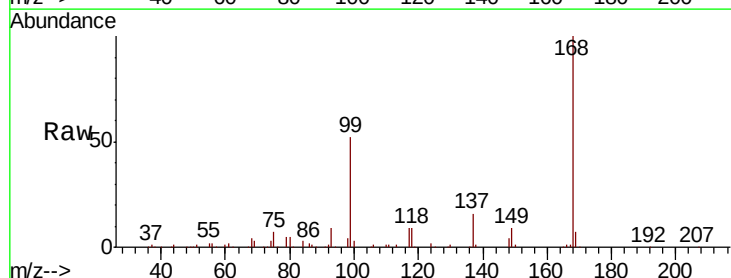
Instrument :
MSVOA_U
ClientSampleId :
T12-2-(0)

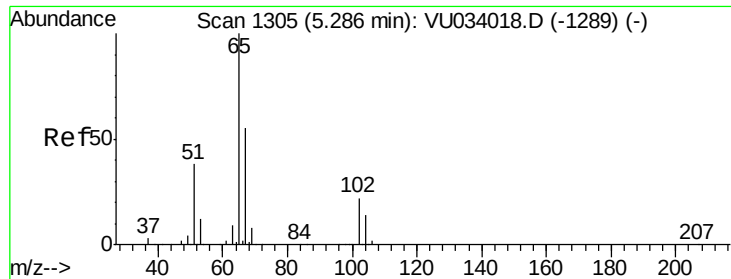
Tgt Ion: 84 Resp: 8017
Ion Ratio Lower Upper
84 100
49 101.6 100.2 150.4
51 29.1 30.8 46.2#
86 54.7 52.5 78.7



#31
Cyclohexane
Concen: 0.903 ug/l
RT: 4.96 min Scan# 1203
Delta R.T. -0.01 min
Lab File: VU034266.D
Acq: 04 Sep 2019 18:27

Tgt Ion: 56 Resp: 7119
Ion Ratio Lower Upper
56 100
69 195.7 25.4 38.0#
84 156.0 65.8 98.8#

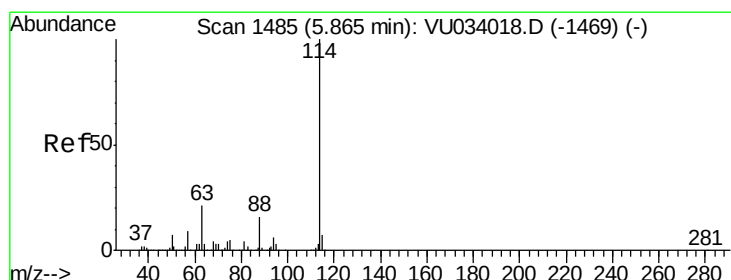
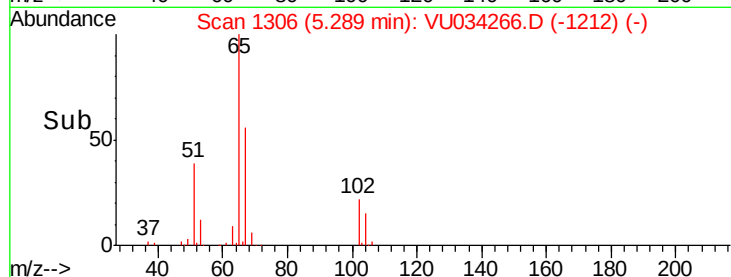
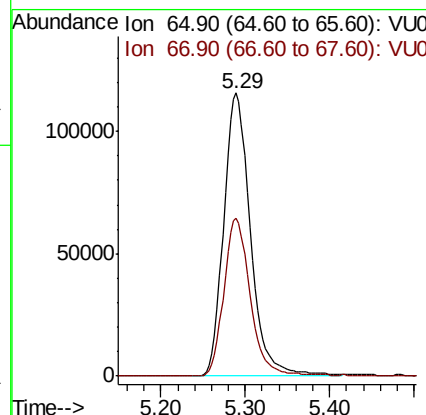
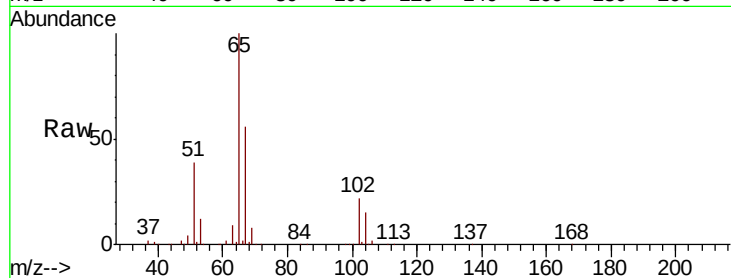




#33
 1,2-Dichloroethane-d4
 Concen: 48.352 ug/l
 RT: 5.29 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU034266.D
 Acq: 04 Sep 2019 18:27

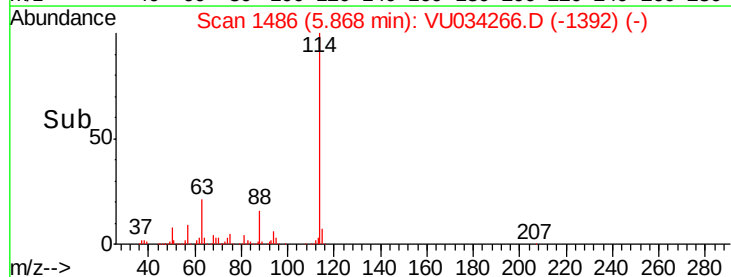
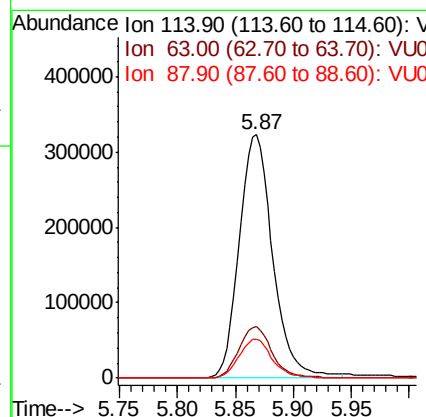
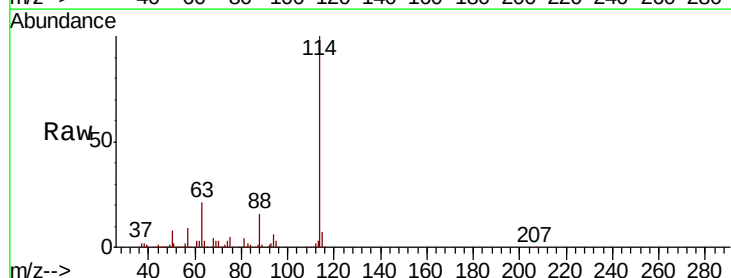
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 ClientSampleId :
 T12-2-(0)

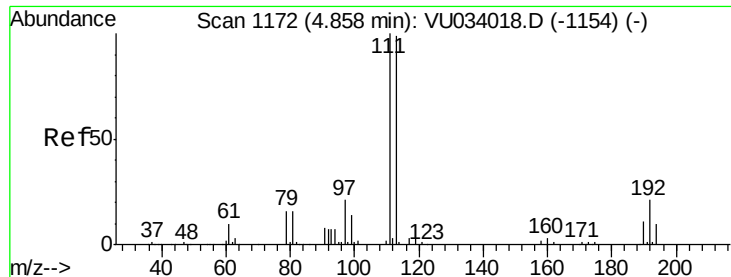
Tgt Ion: 65 Resp: 255356
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034266.D
 Acq: 04 Sep 2019 18:27

Tgt Ion: 114 Resp: 648531
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 42.0
 88 16.0 0.0 32.0

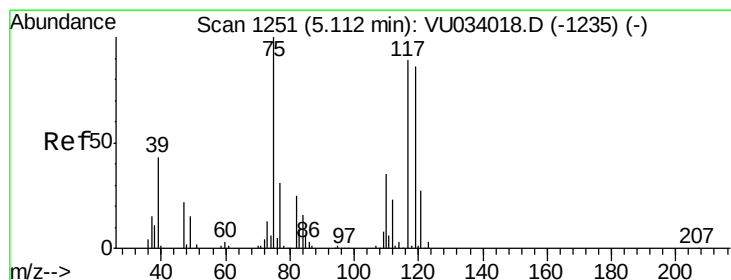
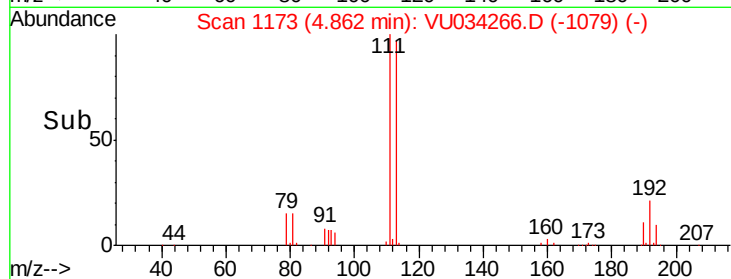
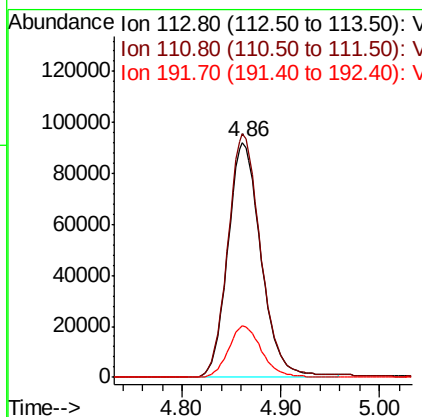
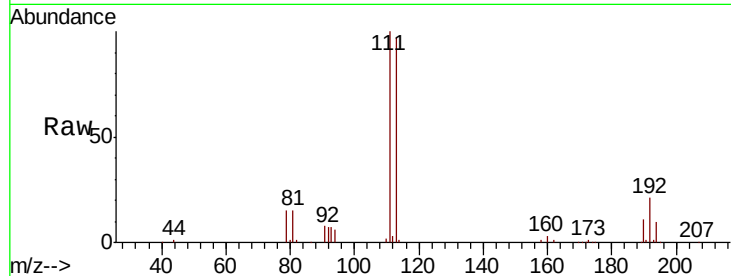




#35
 Dibromofluoromethane
 Concen: 48.133 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034266.D
 Acq: 04 Sep 2019 18:27

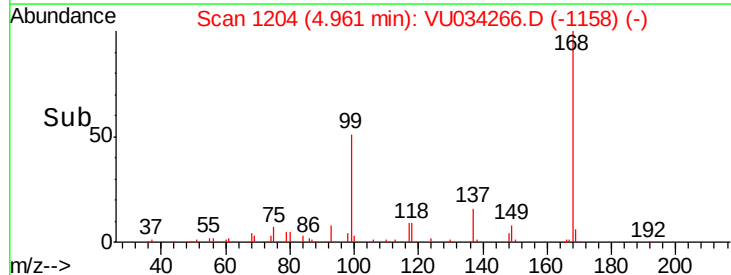
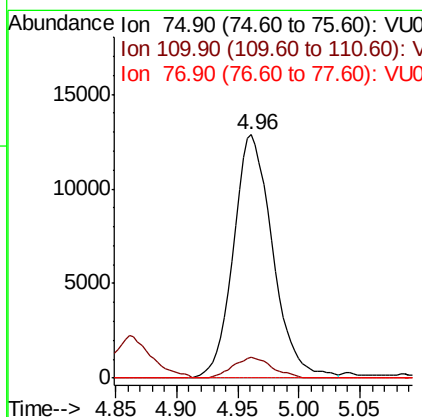
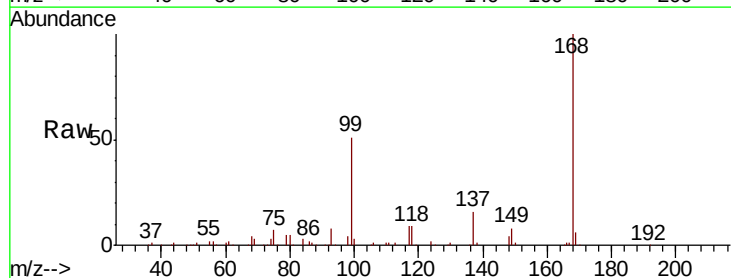
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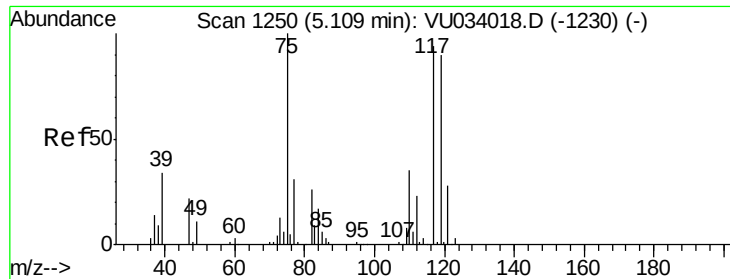
Tgt Ion: 113 Resp: 216510
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.7 122.5
 192 21.9 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 4.683 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034266.D
 Acq: 04 Sep 2019 18:27

Tgt Ion: 75 Resp: 28729
 Ion Ratio Lower Upper
 75 100
 110 8.6 17.8 53.5#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.344 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. -0.14 min

Lab File: VU034266.D

Acq: 04 Sep 2019 18:27

Instrument :

MSVOA_U

ClientSampleId :

T12-2-(0)

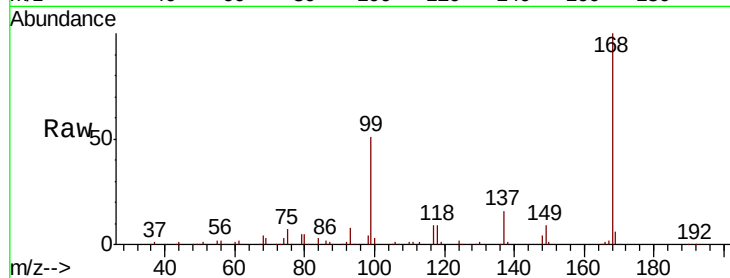
Tgt Ion:117 Resp: 37565

Ion Ratio Lower Upper

117 100

119 5.5 77.0 115.4#

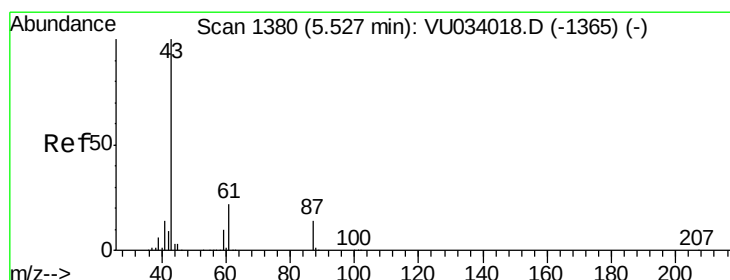
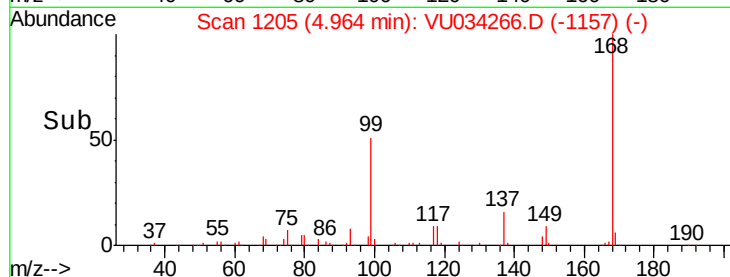
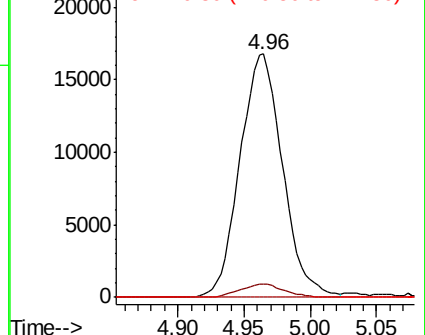
121 0.0 23.9 35.9#



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: 5.772 ug/l

RT: 5.53 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VU034266.D

Acq: 04 Sep 2019 18:27

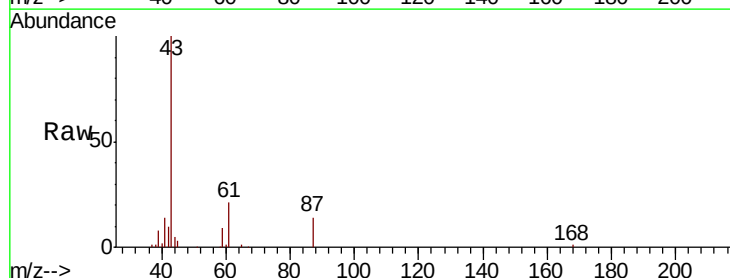
Tgt Ion: 43 Resp: 60323

Ion Ratio Lower Upper

43 100

61 20.6 17.2 25.8

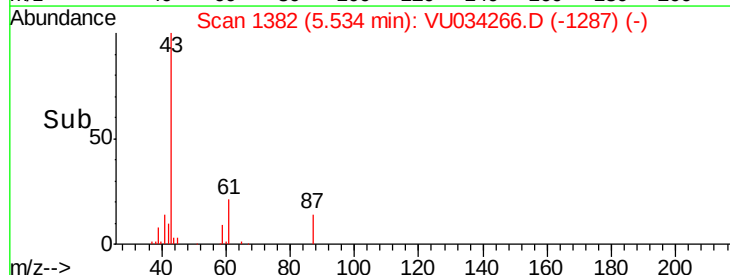
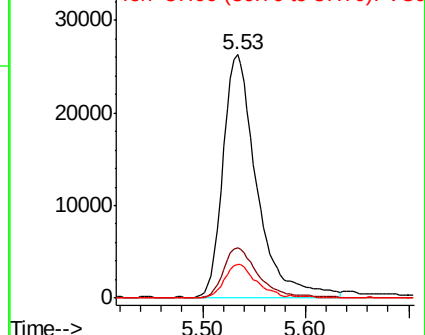
87 13.3 10.8 16.2

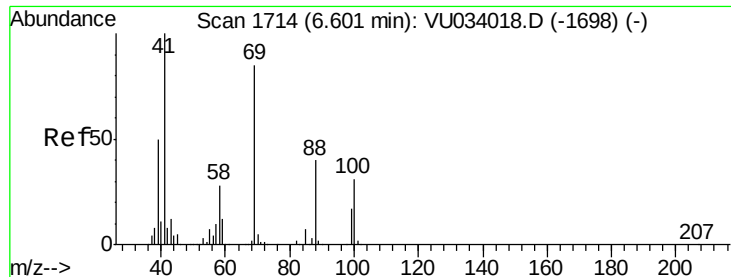


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

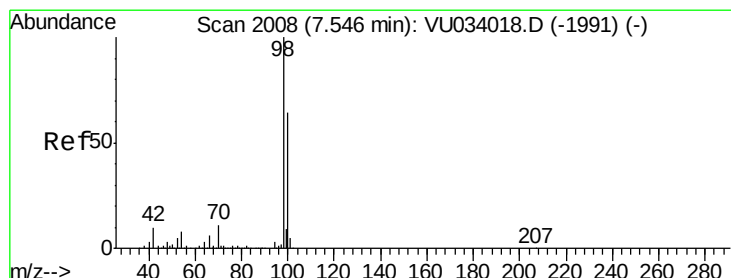
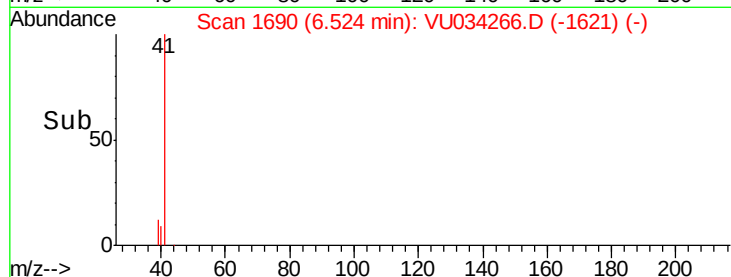
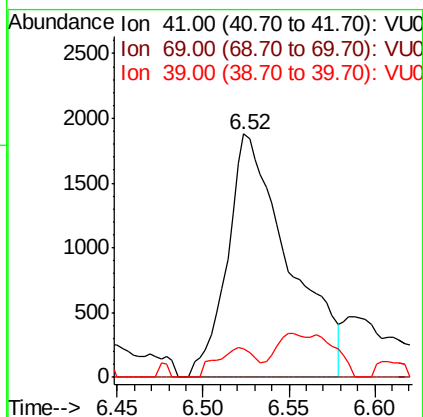
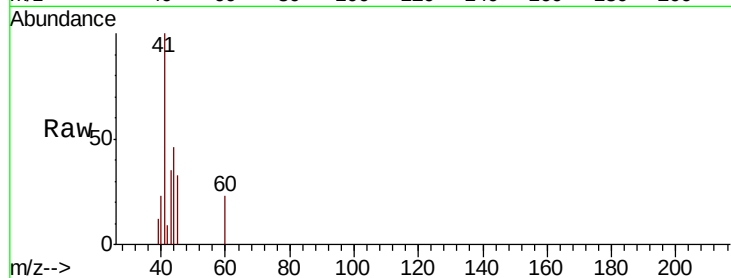




#48
Methyl methacrylate
Concen: 0.927 ug/l
RT: 6.52 min Scan# 1690
Delta R.T. -0.08 min
Lab File: VU034266.D
Acq: 04 Sep 2019 18:27

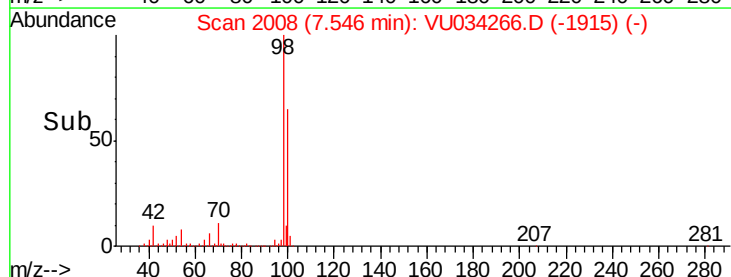
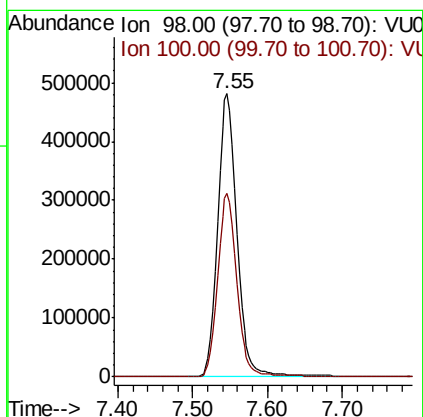
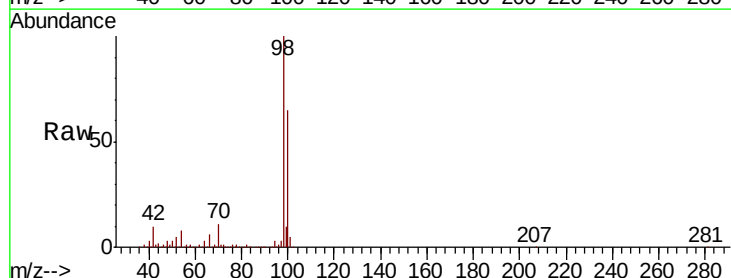
Instrument :
MSVOA_U
ClientSampleId :
T12-2-(0)

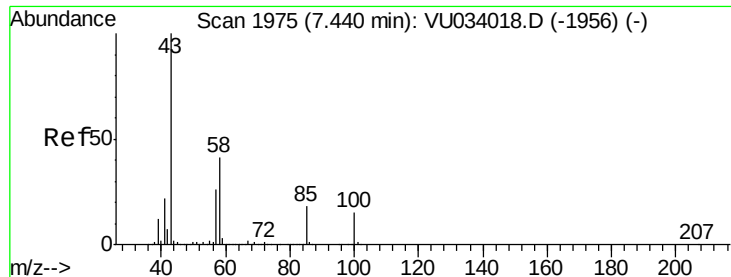
Tgt Ion: 41 Resp: 4677
Ion Ratio Lower Upper
41 100
69 0.0 69.5 104.3#
39 0.0 40.3 60.5#



#50
Toluene-d8
Concen: 51.292 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034266.D
Acq: 04 Sep 2019 18:27

Tgt Ion: 98 Resp: 863896
Ion Ratio Lower Upper
98 100
100 64.6 50.3 75.5





#51

4-Methyl-2-Pentanone

Concen: 7.653 ug/l

RT: 7.40 min Scan# 1963

Delta R.T. -0.04 min

Lab File: VU034266.D

Acq: 04 Sep 2019 18:27

Instrument :

MSVOA_U

ClientSampleId :

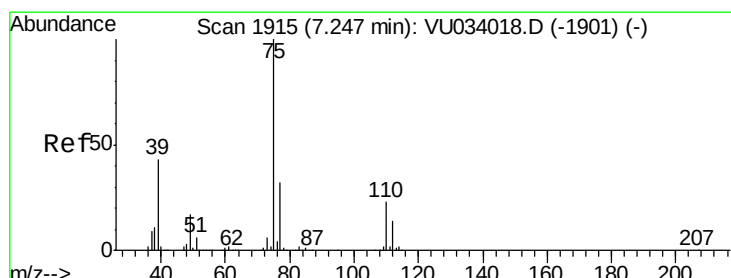
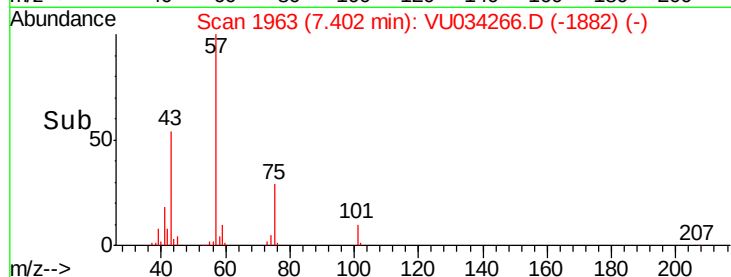
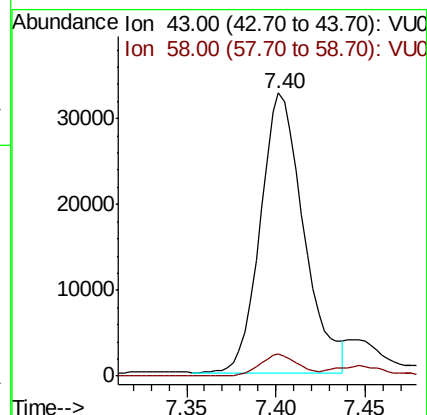
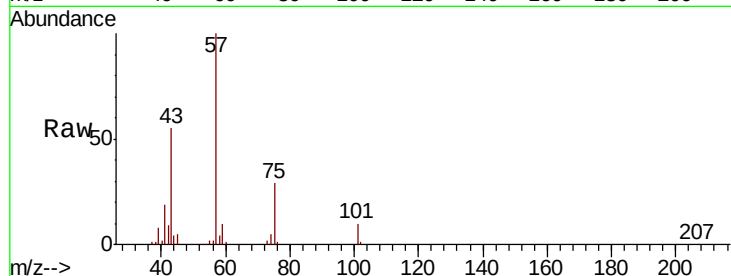
T12-2-(0)

Tgt Ion: 43 Resp: 55236

Ion Ratio Lower Upper

43 100

58 7.0 32.2 48.4#



#54

cis-1,3-Dichloropropene

Concen: 3.883 ug/l

RT: 7.40 min Scan# 1963

Delta R.T. 0.15 min

Lab File: VU034266.D

Acq: 04 Sep 2019 18:27

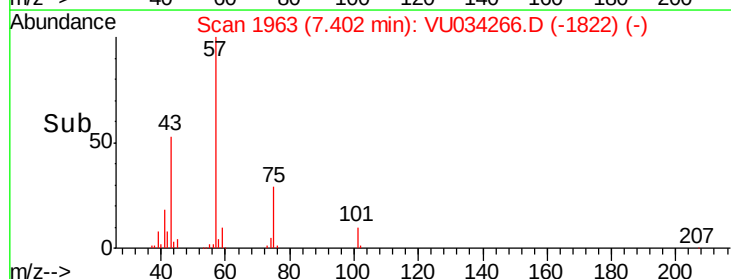
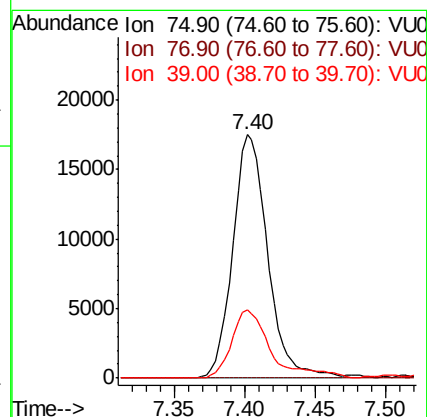
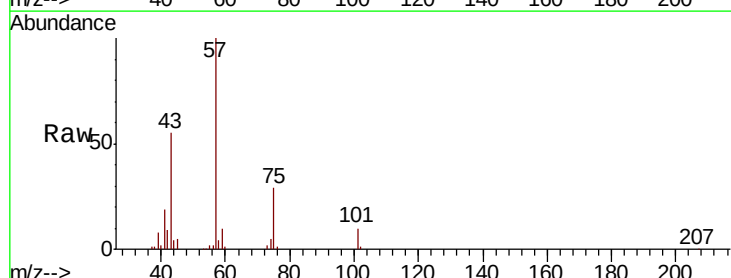
Tgt Ion: 75 Resp: 30311

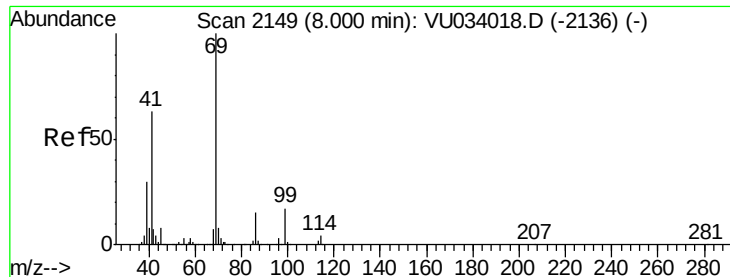
Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#

39 27.8 34.6 51.8#





#56

Ethyl methacrylate

Concen: 0.984 ug/l

RT: 7.95 min Scan# 2134

Delta R.T. -0.05 min

Lab File: VU034266.D

Acq: 04 Sep 2019 18:27

Instrument :

MSVOA_U

ClientSampleId :

T12-2-(0)

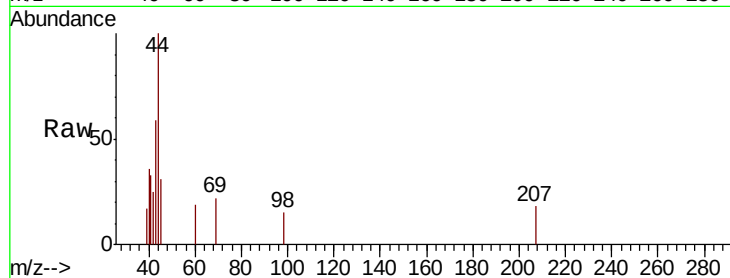
Tgt Ion: 69 Resp: 104

Ion Ratio Lower Upper

69 100

41 0.0 50.7 76.1#

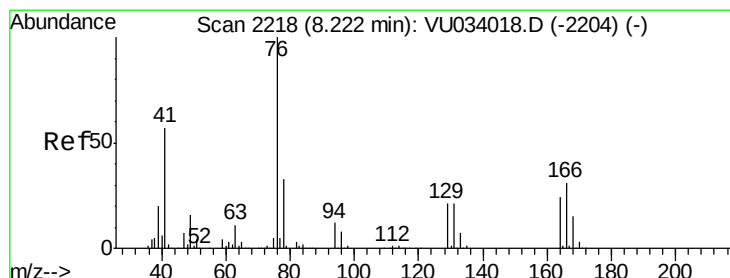
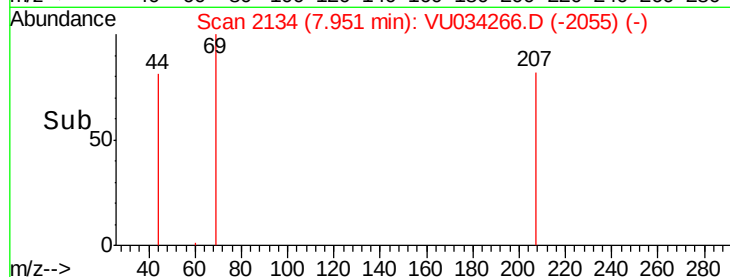
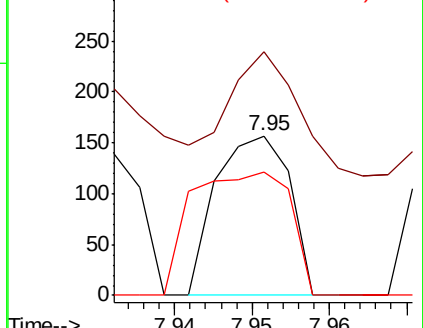
39 0.0 24.2 36.2#



Abundance Ion 69.00 (68.70 to 69.70): VU034266.D (-2136) (-)

Ion 41.00 (40.70 to 41.70): VU034266.D (-2136) (-)

Ion 39.00 (38.70 to 39.70): VU034266.D (-2136) (-)



#57

1,3-Dichloropropane

Concen: 0.485 ug/l

RT: 8.40 min Scan# 2273

Delta R.T. 0.18 min

Lab File: VU034266.D

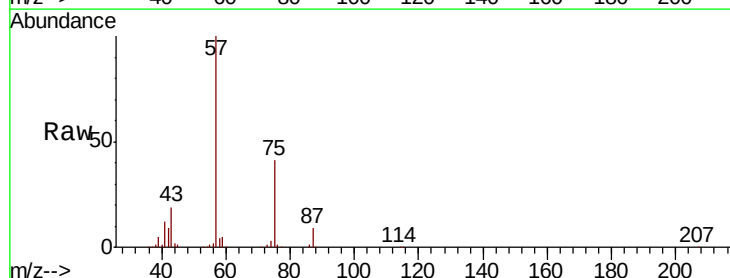
Acq: 04 Sep 2019 18:27

Tgt Ion: 76 Resp: 3985

Ion Ratio Lower Upper

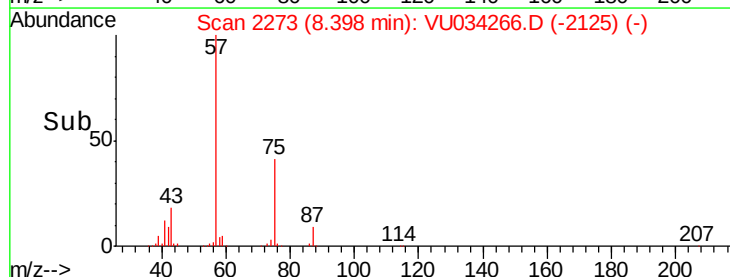
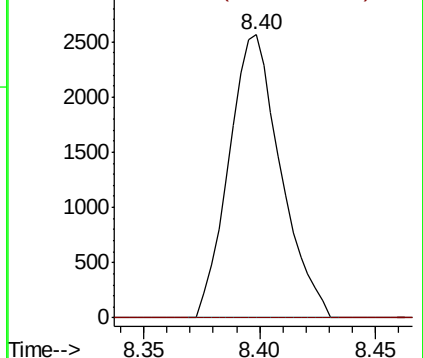
76 100

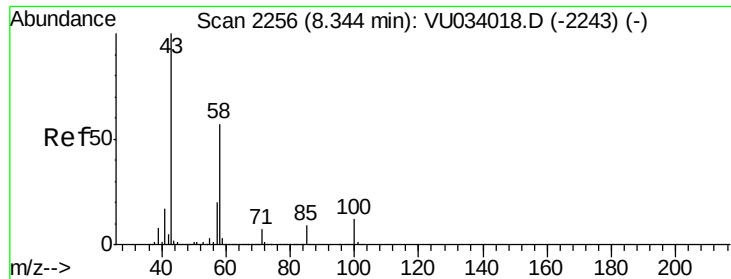
78 0.0 26.2 39.4#



Abundance Ion 75.90 (75.60 to 76.60): VU034266.D (-2215) (-)

Ion 77.90 (77.60 to 78.60): VU034266.D (-2215) (-)

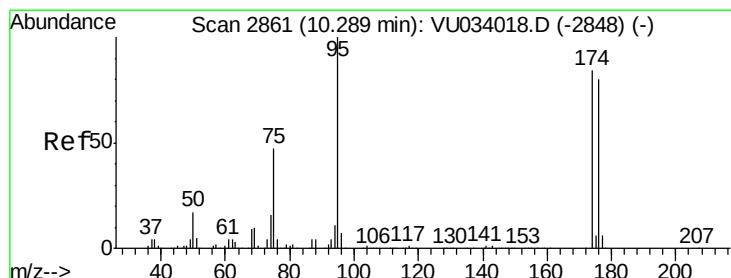
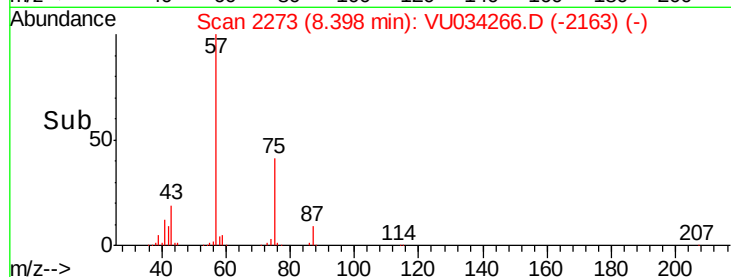
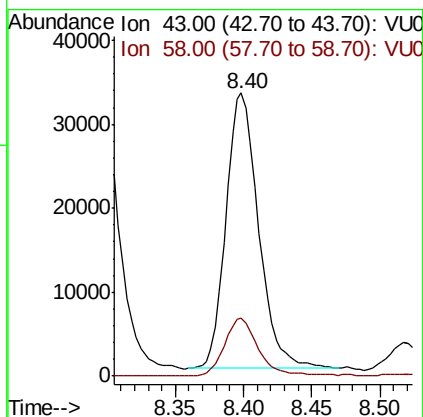
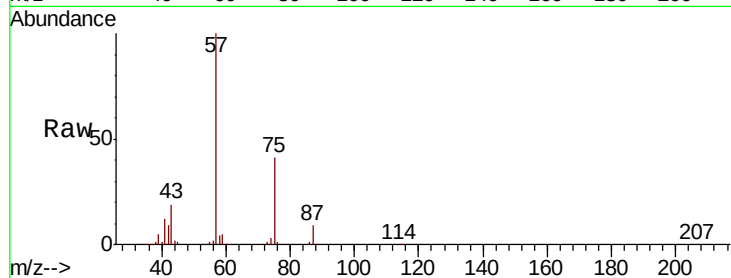




#59
2-Hexanone
Concen: 10.000 ug/l
RT: 8.40 min Scan# 2273
Delta R.T. 0.05 min
Lab File: VU034266.D
Acq: 04 Sep 2019 18:27

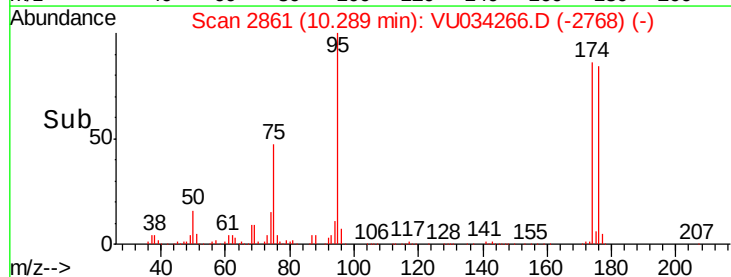
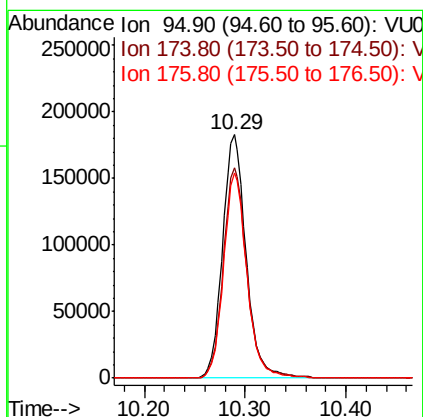
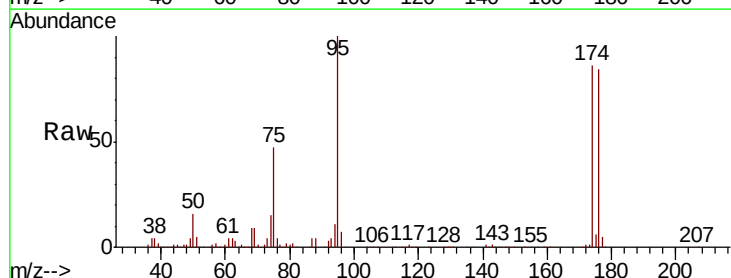
Instrument :
MSVOA_U
ClientSampleId :
T12-2-(0)

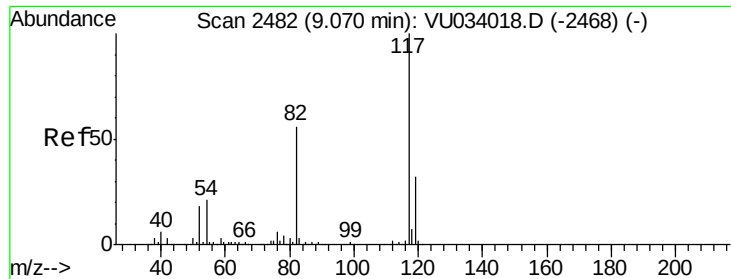
Tgt Ion: 43 Resp: 54483
Ion Ratio Lower Upper
43 100
58 22.1 28.4 85.3#



#62
4-Bromofluorobenzene
Concen: 45.591 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. 0.00 min
Lab File: VU034266.D
Acq: 04 Sep 2019 18:27

Tgt Ion: 95 Resp: 298695
Ion Ratio Lower Upper
95 100
174 87.4 0.0 168.8
176 83.8 0.0 161.8

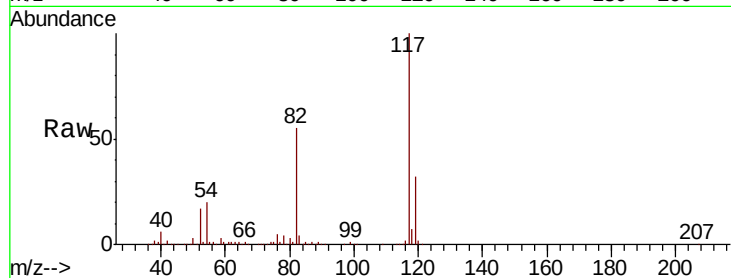




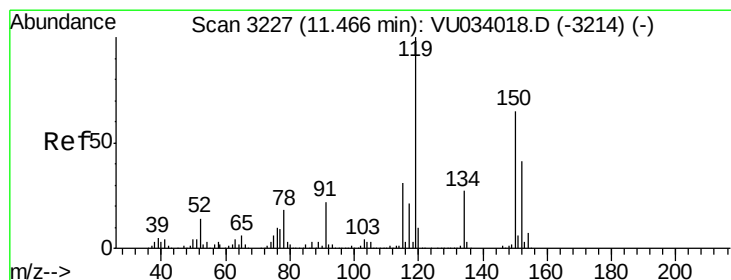
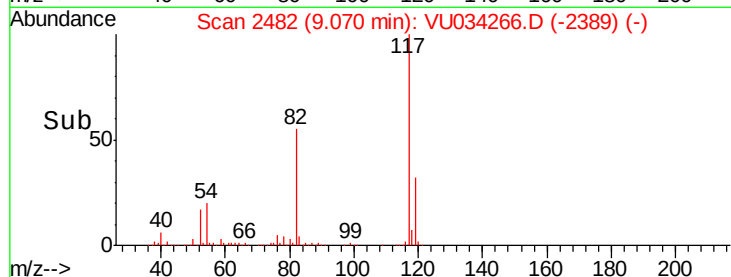
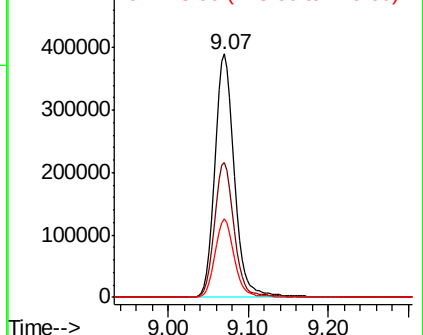
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034266.D
Acq: 04 Sep 2019 18:27

Instrument :
MSVOA_U
ClientSampleId :
T12-2-(0)

Tgt Ion:117 Resp: 665933
Ion Ratio Lower Upper
117 100
82 55.4 45.1 67.7
119 32.2 25.4 38.0

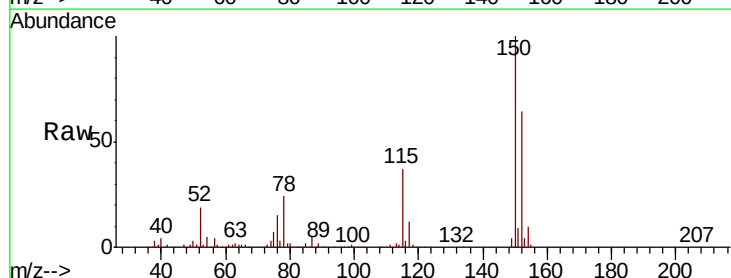


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

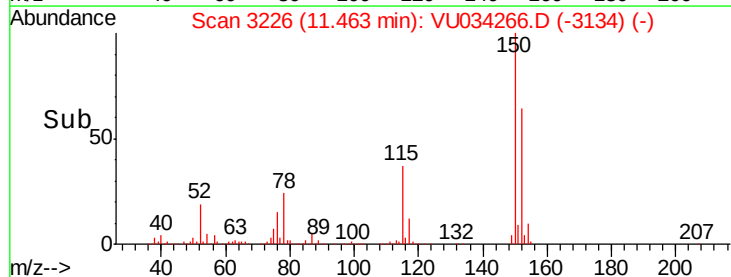
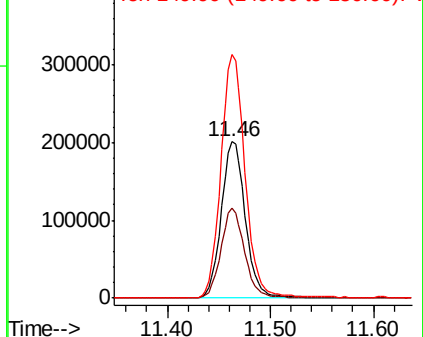


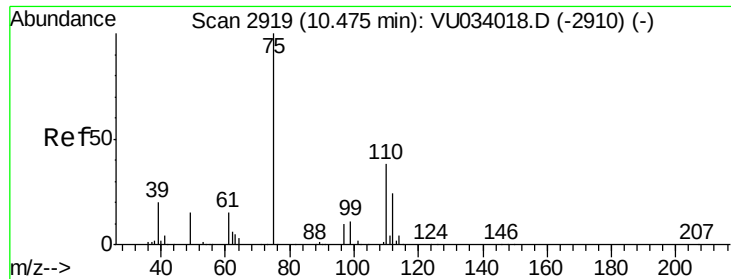
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VU034266.D
Acq: 04 Sep 2019 18:27

Tgt Ion:152 Resp: 327628
Ion Ratio Lower Upper
152 100
115 56.4 41.1 123.3
150 156.3 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

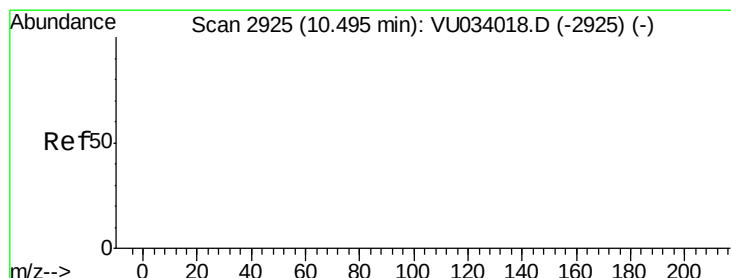
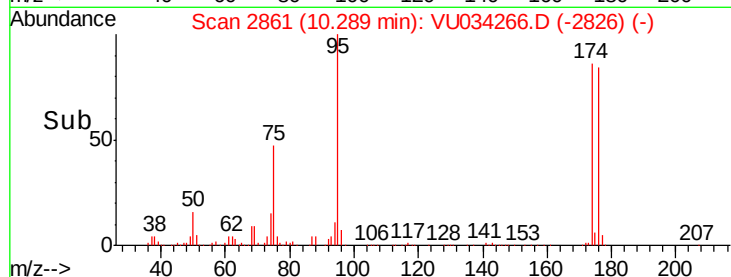
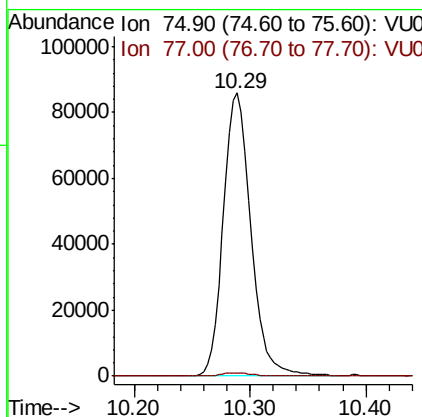
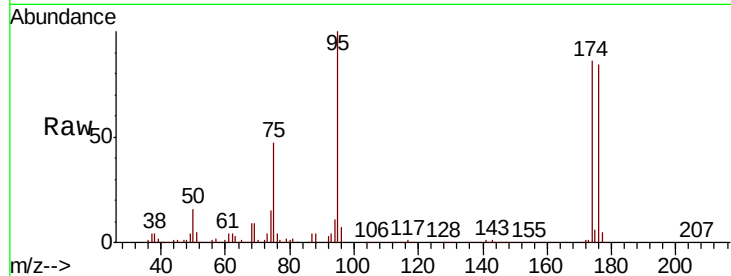




#76
 1,2,3-Trichloropropane
 Concen: 19.183 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. -0.19 min
 Lab File: VU034266.D
 Acq: 04 Sep 2019 18:27

Instrument :
 MSVOA_U
 ClientSampleId :
 T12-2-(0)

Tgt Ion: 75 Resp: 141653
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.1 60.2#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.595 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. -0.21 min
 Lab File: VU034266.D
 Acq: 04 Sep 2019 18:27

Tgt Ion: 75 Resp: 141653
 Ion Ratio Lower Upper
 75 100
 53 0.2 0.0 0.0#
 89 0.0 0.0 0.0

