

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU083119\
 Data File : VU034093.D
 Acq On : 30 Aug 2019 13:11
 Operator : JC/SP
 Sample : K4555-12
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TW-3

Quant Time: Aug 31 03:38:18 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	473653	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	764522	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	726470	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	370980	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	293688	48.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.78%	
35) Dibromofluoromethane	4.86	113	247325	46.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.28%	
50) Toluene-d8	7.55	98	959969	48.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.70%	
62) 4-Bromofluorobenzene	10.29	95	340477	44.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.16%	

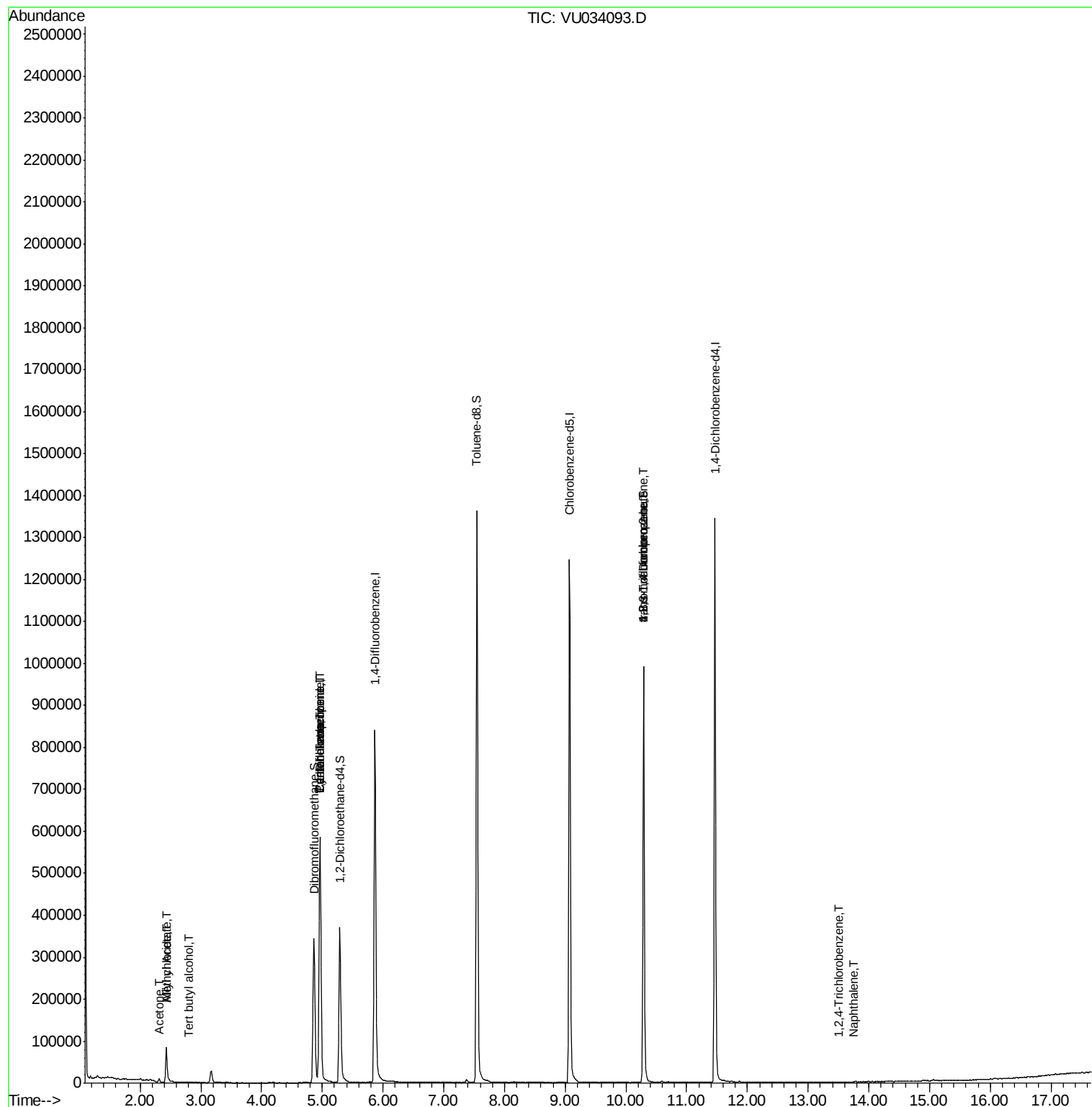
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1460	Below Cal		92
5) Bromomethane	1.63	94	681	Below Cal		84
11) Tert butyl alcohol	2.81	59	2136	1.526	ug/l #	73
14) Allyl chloride	2.43	41	9202	1.032	ug/l #	64
16) Acetone	2.31	43	8720	2.816	ug/l	99
18) Methyl Acetate	2.43	43	20763	2.595	ug/l #	51
31) Cyclohexane	4.96	56	8612	0.950	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	34419	4.760	ug/l #	48
38) Carbon Tetrachloride	4.96	117	43201	6.189	ug/l #	16
76) 1,2,3-Trichloropropane	10.29	75	166037	19.858	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.29	75	166037	66.866	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.52	180	19	1.116	ug/l #	1
95) Naphthalene	13.75	128	780	1.822	ug/l #	78

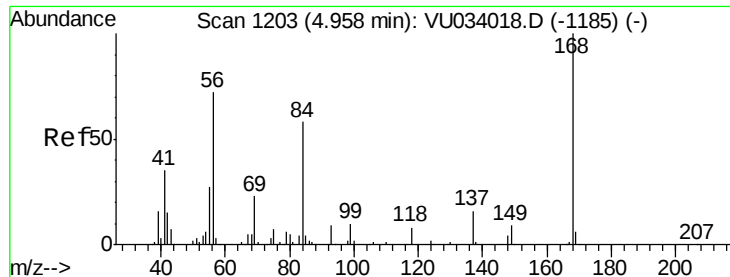
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VU034093.D

Acq: 30 Aug 2019 13:11

Instrument :

MSVOA_U

ClientSampleId :

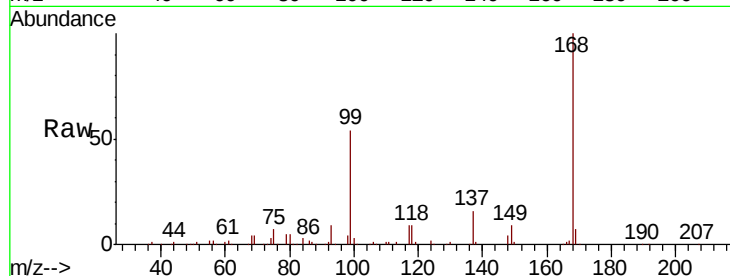
TW-3

Tgt Ion:168 Resp: 473653

Ion Ratio Lower Upper

168 100

99 53.6 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

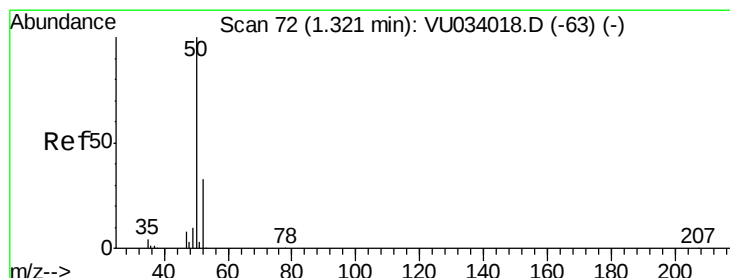
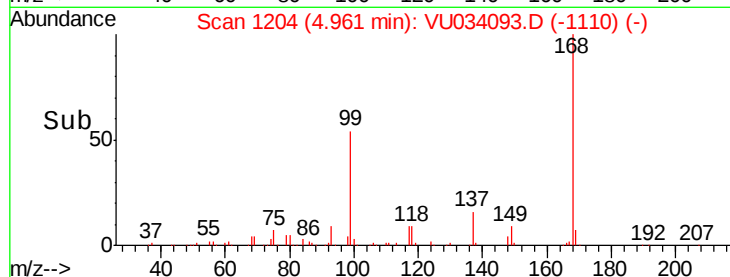
100000

50000

0

4.90 5.00

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034093.D

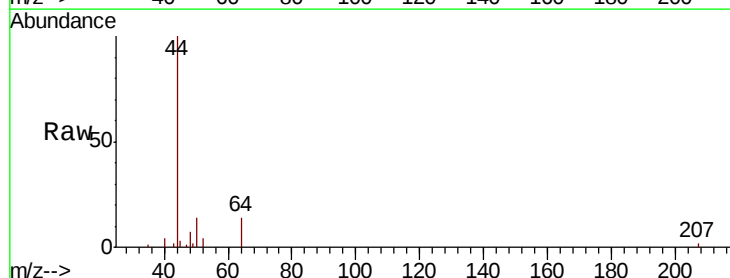
Acq: 30 Aug 2019 13:11

Tgt Ion: 50 Resp: 1460

Ion Ratio Lower Upper

50 100

52 28.2 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

1500

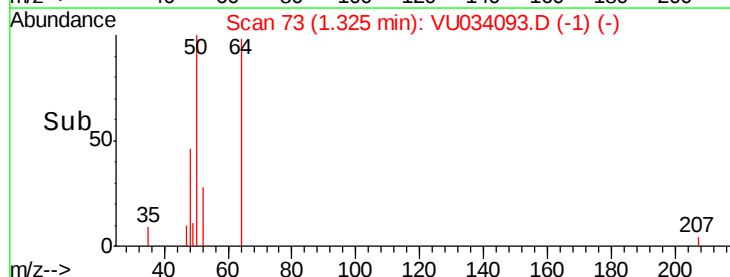
1000

500

0

1.30 1.32 1.34 1.36

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 169

Delta R.T. 0.04 min

Lab File: VU034093.D

Acq: 30 Aug 2019 13:11

Instrument :

MSVOA_U

ClientSampleId :

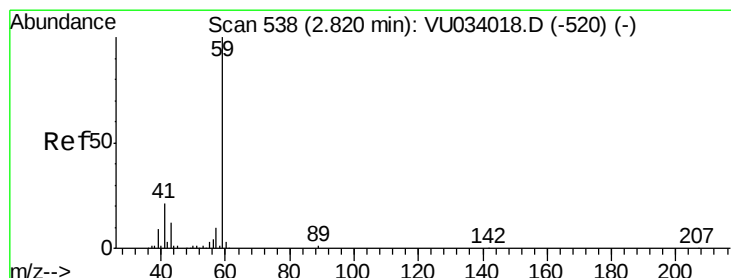
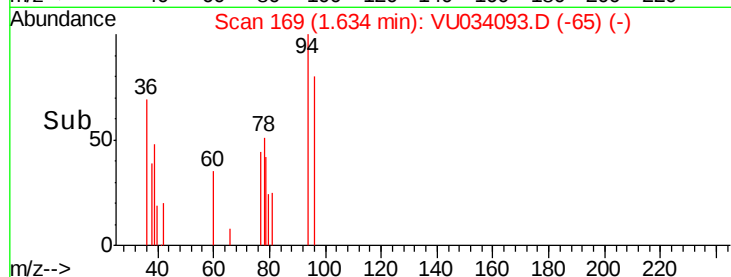
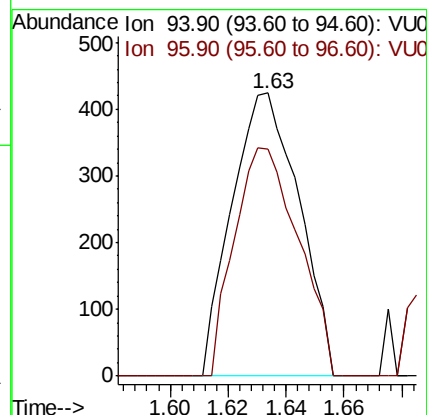
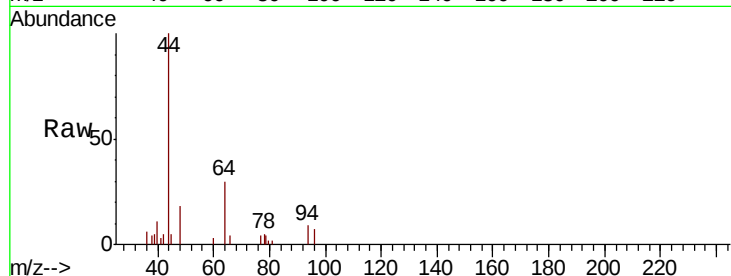
TW-3

Tgt Ion: 94 Resp: 681

Ion Ratio Lower Upper

94 100

96 80.2 76.3 114.5



#11

Tert butyl alcohol

Concen: 1.526 ug/l

RT: 2.81 min Scan# 535

Delta R.T. -0.01 min

Lab File: VU034093.D

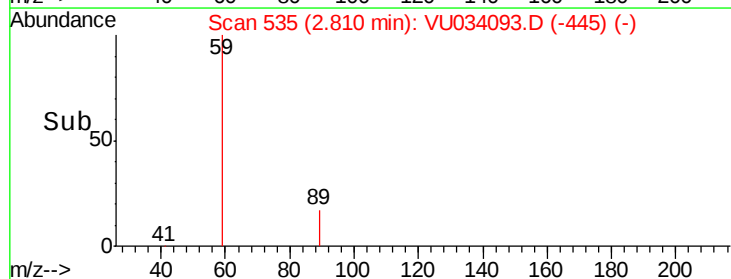
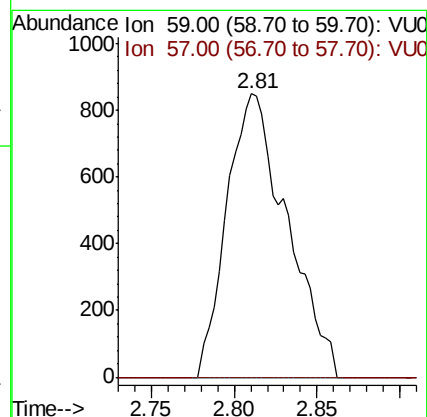
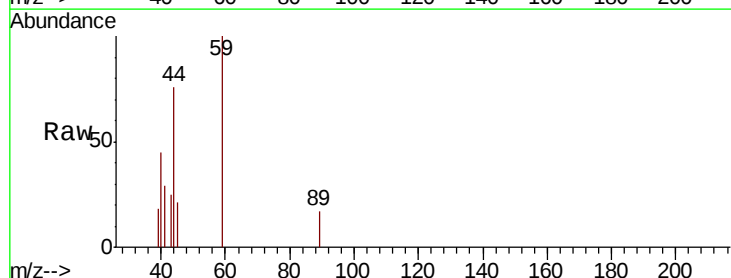
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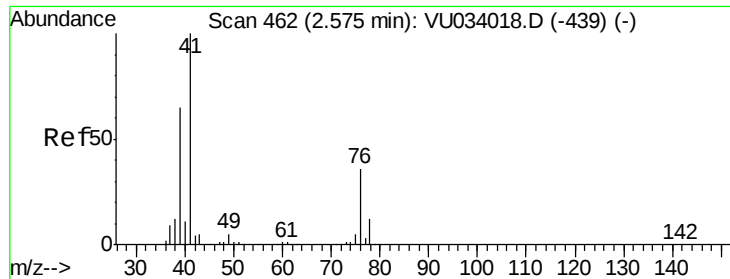
Tgt Ion: 59 Resp: 2136

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#

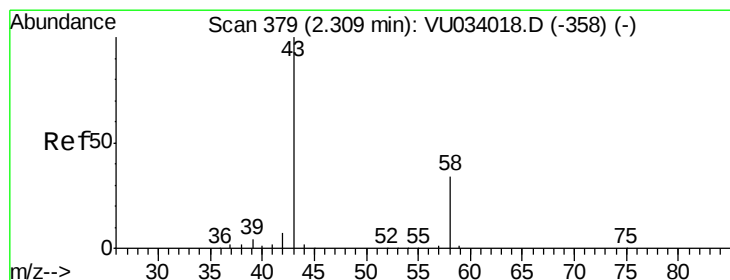
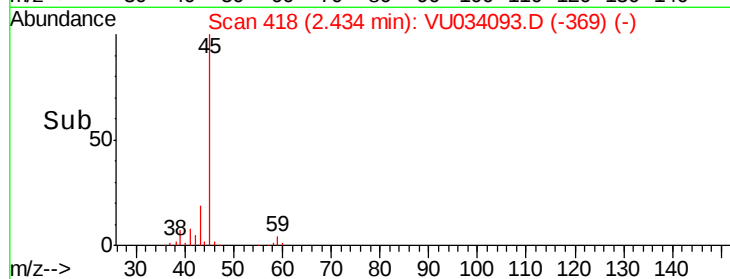
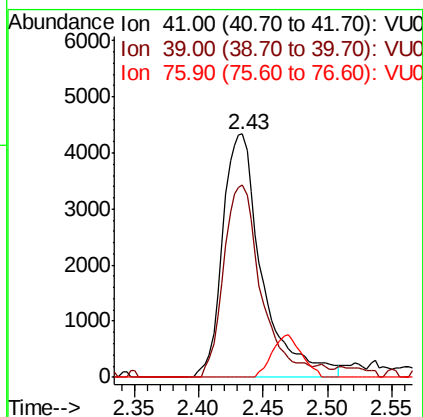
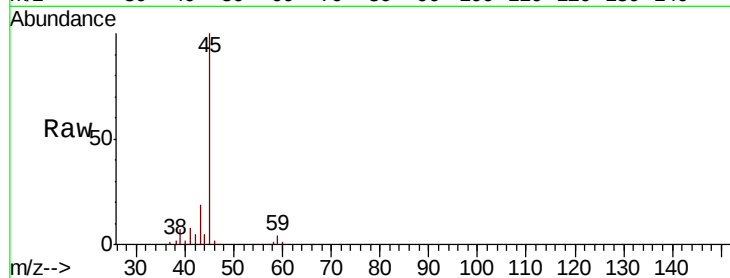




#14
 Allyl chloride
 Concen: 1.032 ug/l
 RT: 2.43 min Scan# 418
 Delta R.T. -0.14 min
 Lab File: VU034093.D
 Acq: 30 Aug 2019 13:11

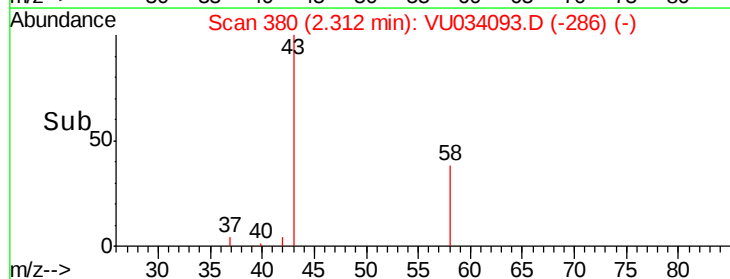
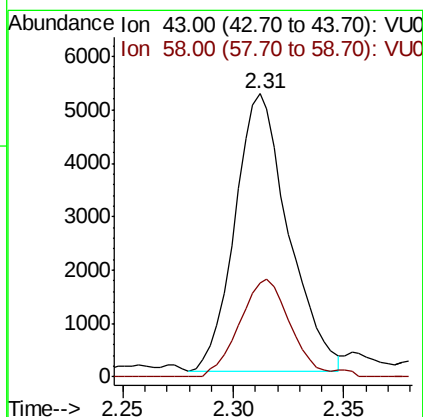
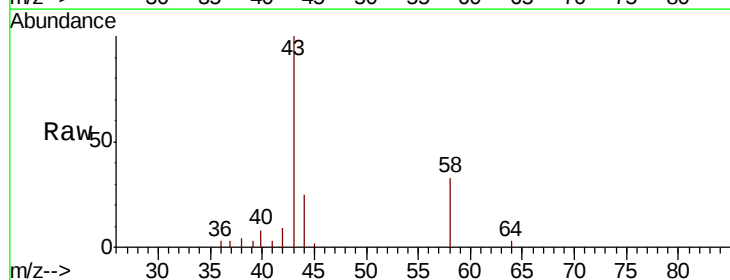
Instrument :
 MSVOA_U
 ClientSampleID :
 TW-3

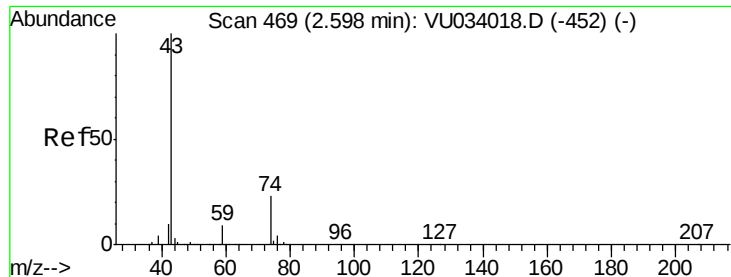
Tgt Ion: 41 Resp: 9202
 Ion Ratio Lower Upper
 41 100
 39 75.3 46.8 70.2#
 76 0.0 26.6 40.0#



#16
 Acetone
 Concen: 2.816 ug/l
 RT: 2.31 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VU034093.D
 Acq: 30 Aug 2019 13:11

Tgt Ion: 43 Resp: 8720
 Ion Ratio Lower Upper
 43 100
 58 33.9 26.8 40.2

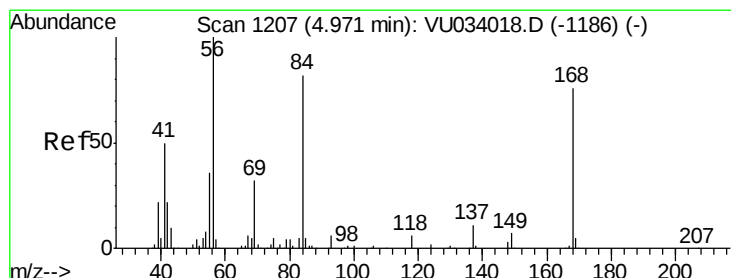
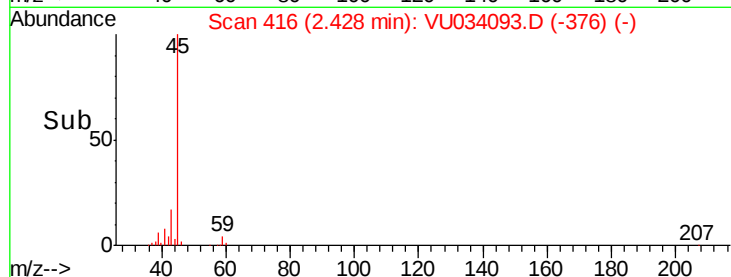
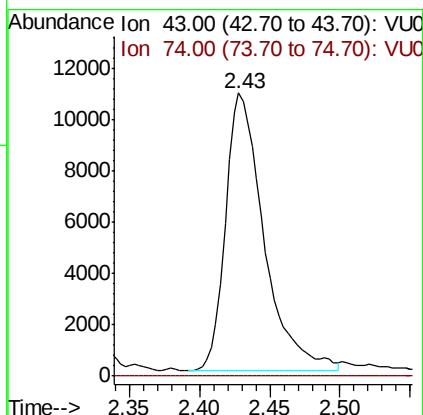
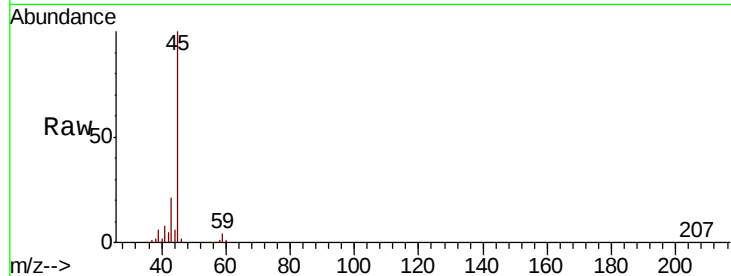




#18
Methyl Acetate
Concen: 2.595 ug/l
RT: 2.43 min Scan# 416
Delta R.T. -0.17 min
Lab File: VU034093.D
Acq: 30 Aug 2019 13:11

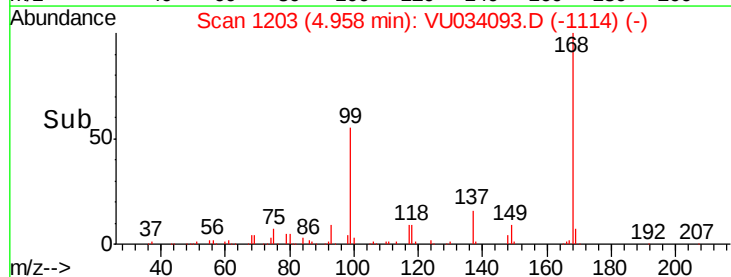
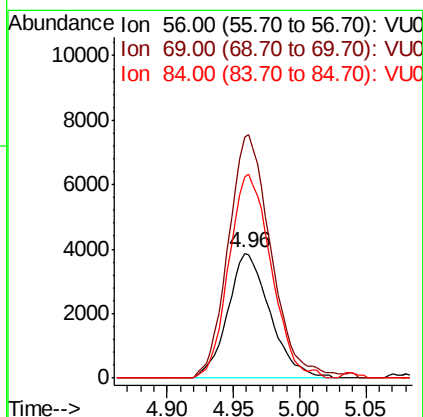
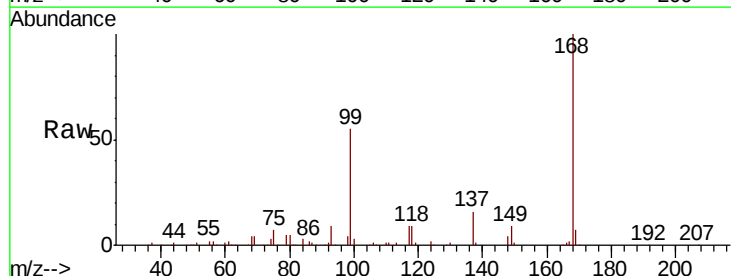
Instrument :
MSVOA_U
ClientSampleId :
TW-3

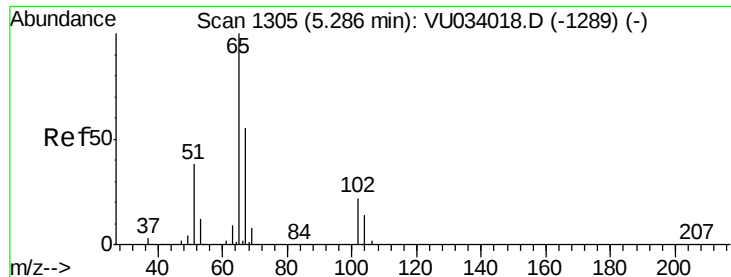
Tgt Ion: 43 Resp: 20763
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#31
Cyclohexane
Concen: 0.950 ug/l
RT: 4.96 min Scan# 1203
Delta R.T. -0.01 min
Lab File: VU034093.D
Acq: 30 Aug 2019 13:11

Tgt Ion: 56 Resp: 8612
Ion Ratio Lower Upper
56 100
69 193.1 25.4 38.0#
84 162.0 65.8 98.8#

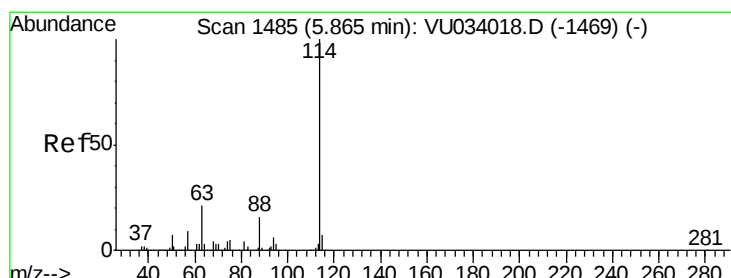
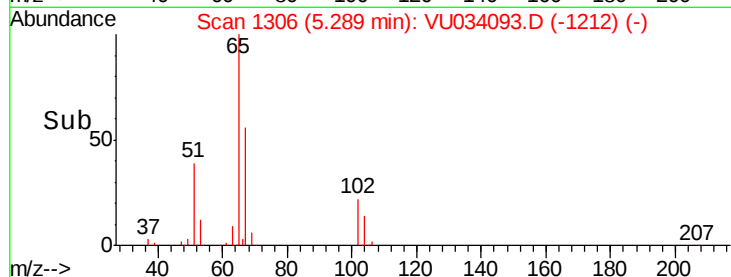
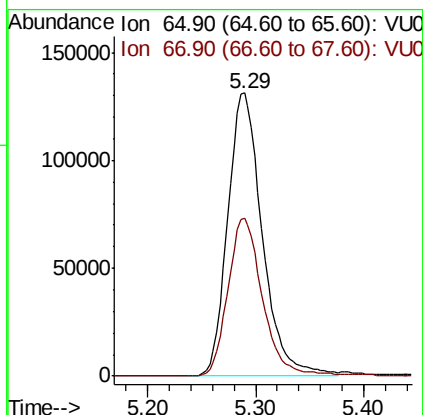
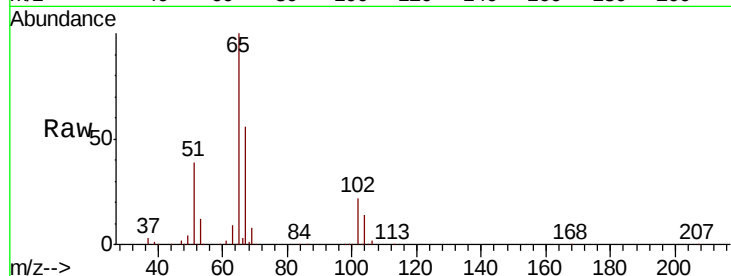




#33
 1,2-Dichloroethane-d4
 Concen: 48.391 ug/l
 RT: 5.29 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU034093.D
 Acq: 30 Aug 2019 13:11

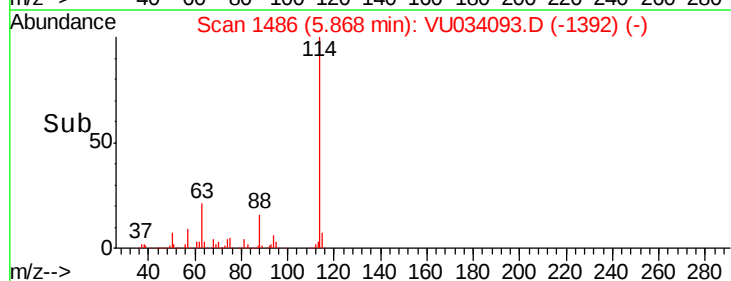
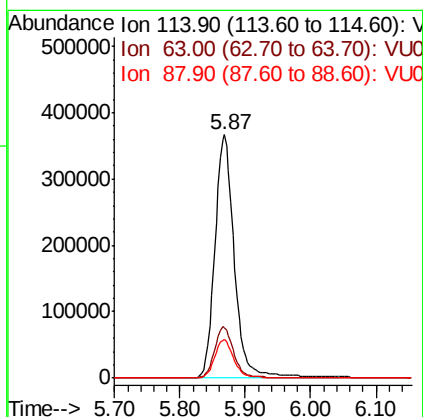
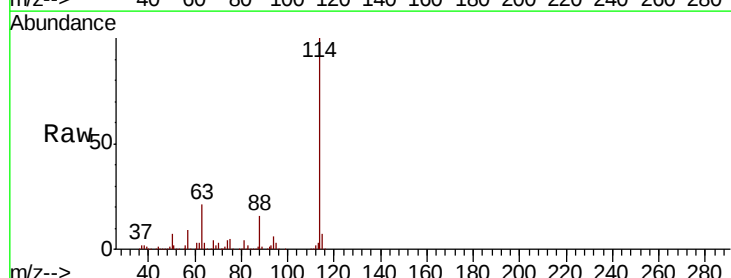
Instrument :
 MSVOA_U
 ClientSampled :
 TW-3

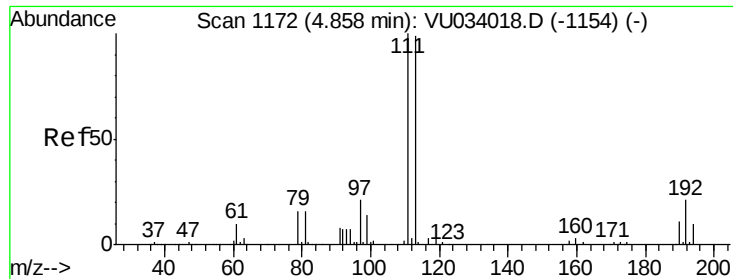
Tgt Ion: 65 Resp: 293688
 Ion Ratio Lower Upper
 65 100
 67 56.2 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034093.D
 Acq: 30 Aug 2019 13:11

Tgt Ion: 114 Resp: 764522
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 42.0
 88 15.9 0.0 32.0

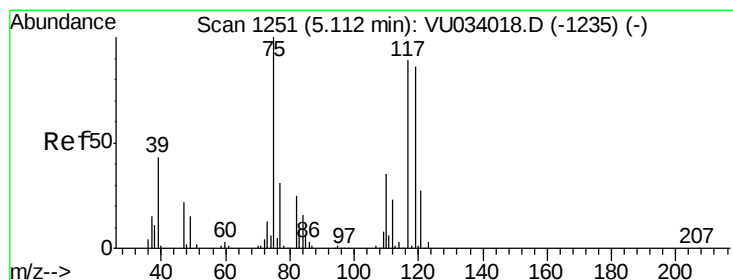
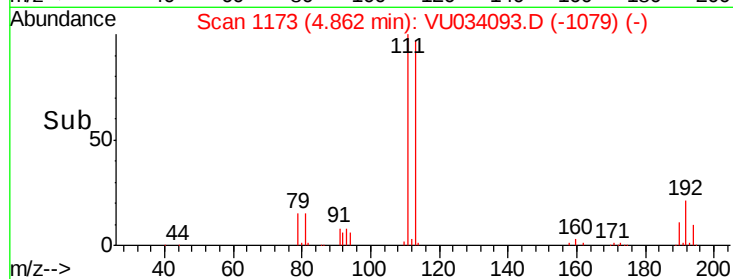
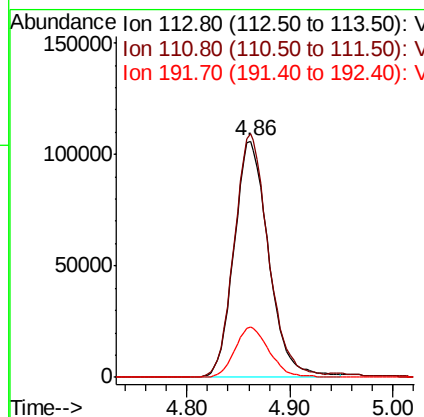
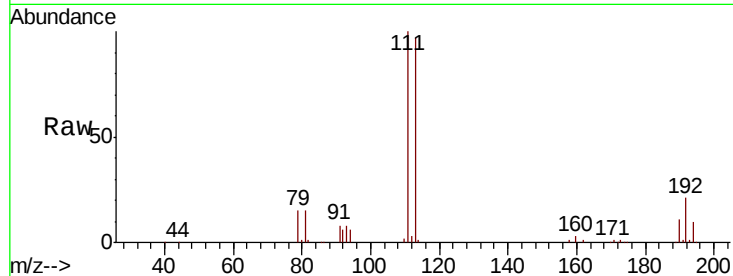




#35
 Dibromofluoromethane
 Concen: 46.642 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034093.D
 Acq: 30 Aug 2019 13:11

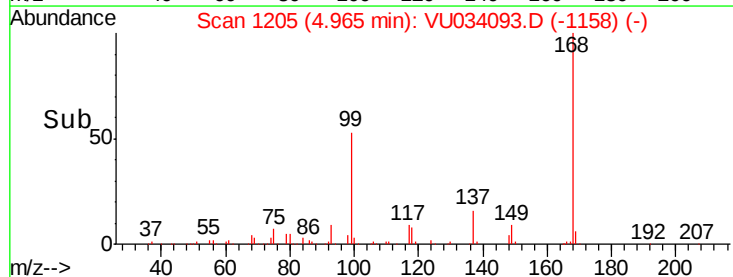
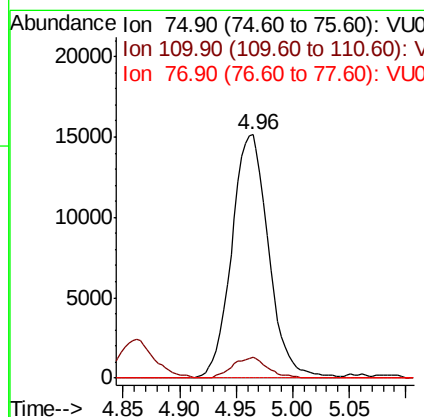
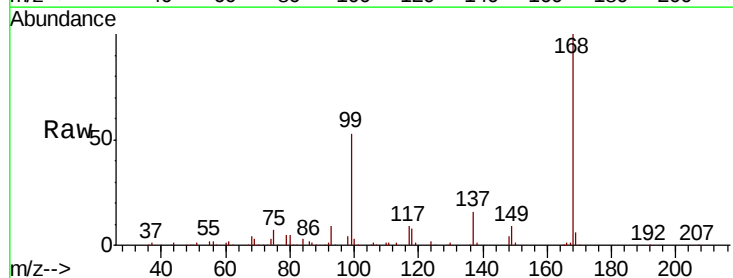
Instrument :
 MSVOA_U
 ClientSampled :
 TW-3

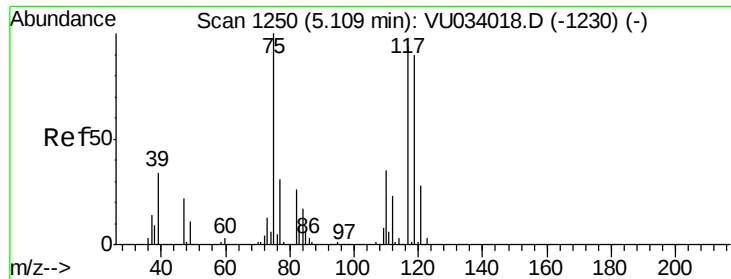
Tgt Ion:113 Resp: 247325
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.7 122.5
 192 21.2 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 4.760 ug/l
 RT: 4.96 min Scan# 1205
 Delta R.T. -0.15 min
 Lab File: VU034093.D
 Acq: 30 Aug 2019 13:11

Tgt Ion: 75 Resp: 34419
 Ion Ratio Lower Upper
 75 100
 110 8.0 17.8 53.5#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.189 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.15 min

Lab File: VU034093.D

Acq: 30 Aug 2019 13:11

Instrument :

MSVOA_U

ClientSampled :

TW-3

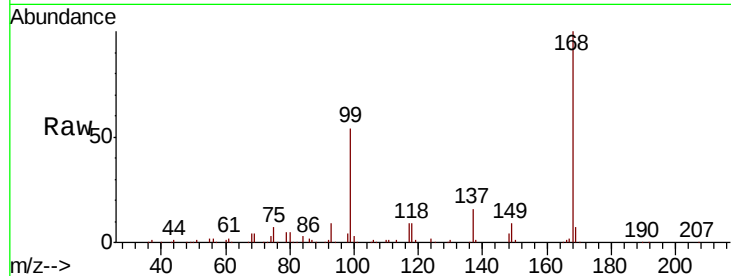
Tgt Ion:117 Resp: 43201

Ion Ratio Lower Upper

117 100

119 5.6 77.0 115.4#

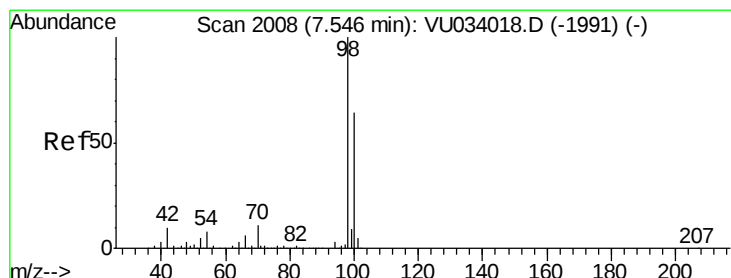
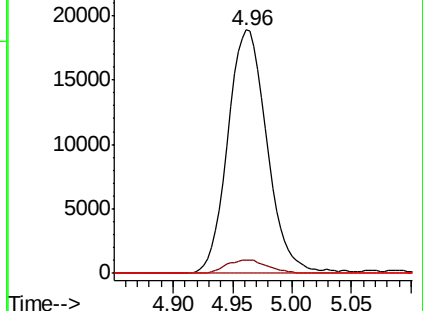
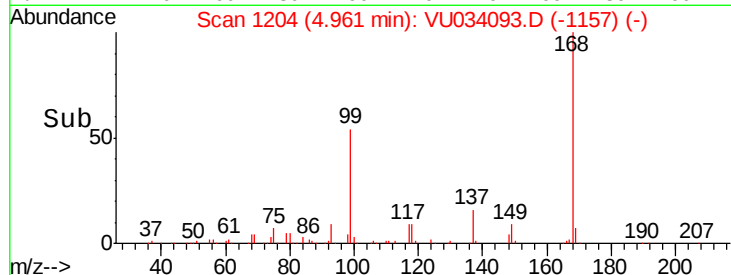
121 0.0 23.9 35.9#



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



#50

Toluene-d8

Concen: 48.349 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VU034093.D

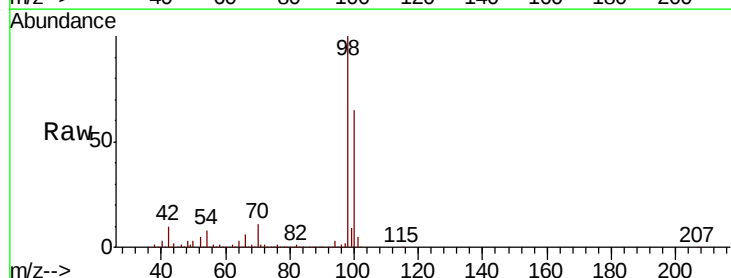
Acq: 30 Aug 2019 13:11

Tgt Ion: 98 Resp: 959969

Ion Ratio Lower Upper

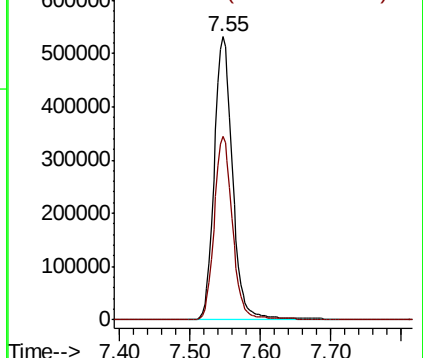
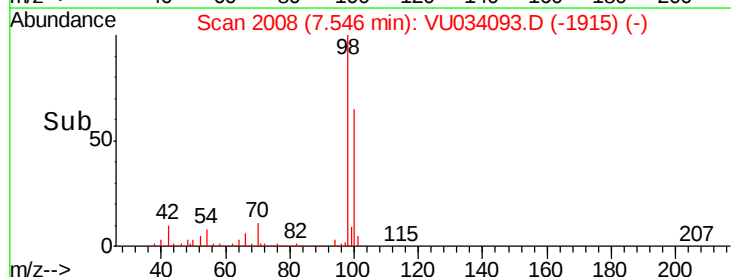
98 100

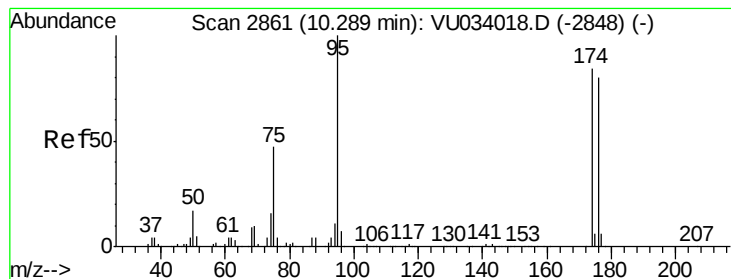
100 64.8 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#62

4-Bromofluorobenzene

Concen: 44.084 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU034093.D

Acq: 30 Aug 2019 13:11

Instrument :

MSVOA_U

ClientSampleId :

TW-3

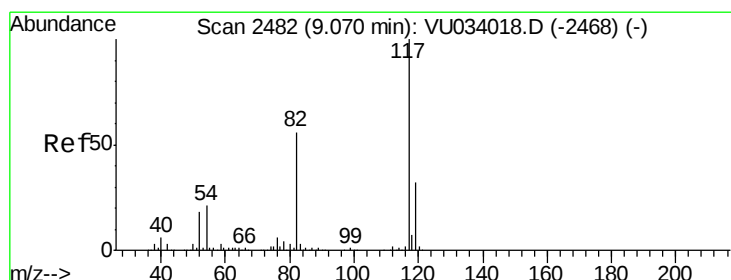
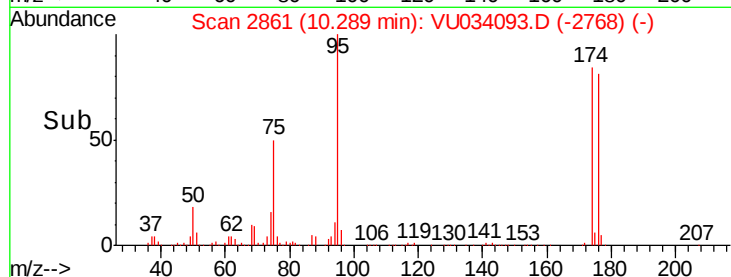
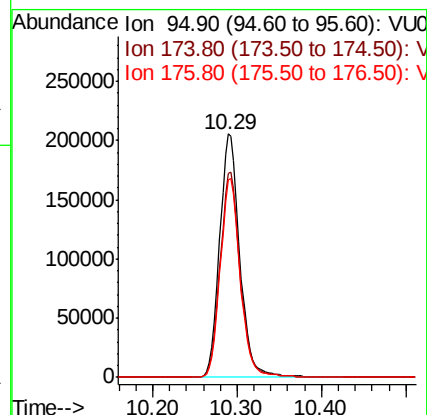
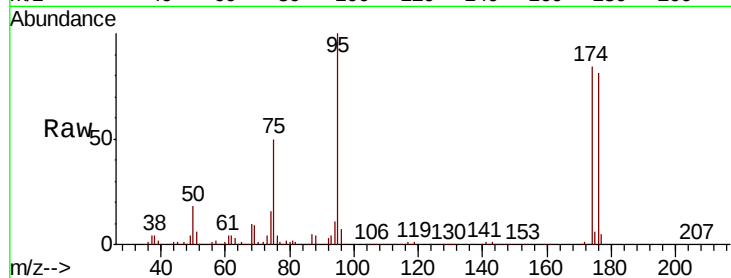
Tgt Ion: 95 Resp: 340477

Ion Ratio Lower Upper

95 100

174 84.7 0.0 168.8

176 80.9 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: VU034093.D

Acq: 30 Aug 2019 13:11

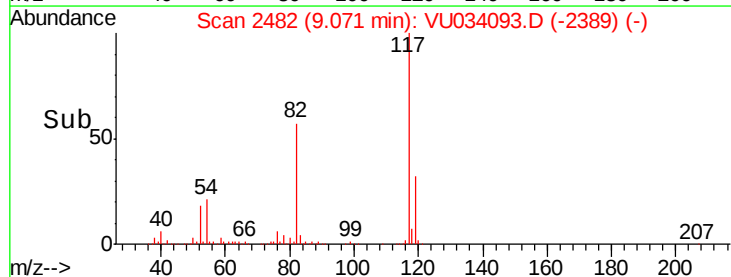
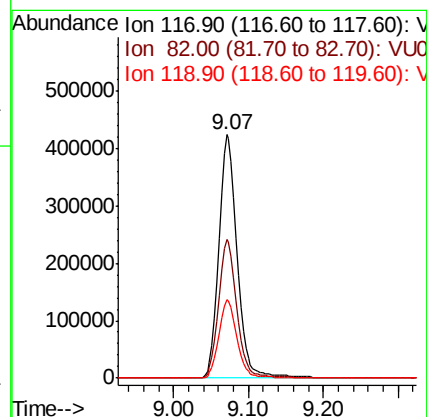
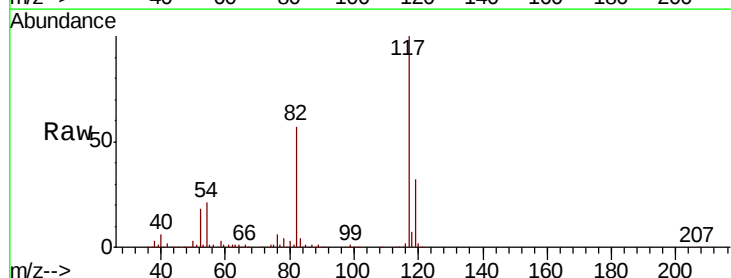
Tgt Ion: 117 Resp: 726470

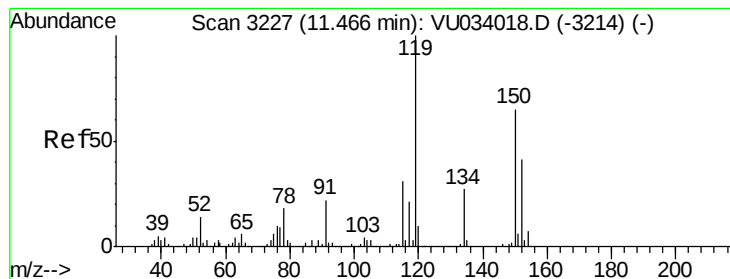
Ion Ratio Lower Upper

117 100

82 57.0 45.1 67.7

119 32.1 25.4 38.0

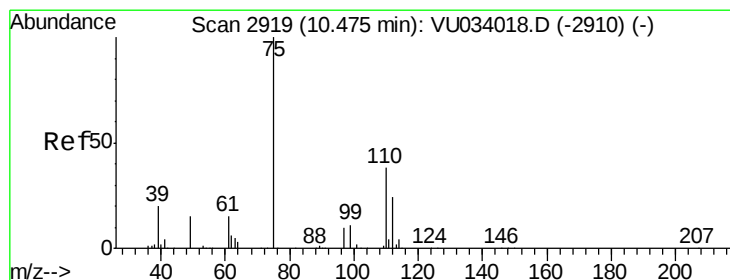
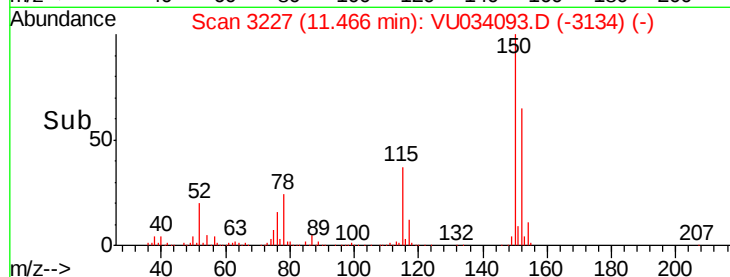
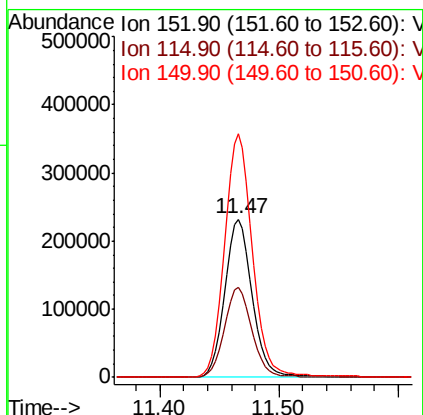
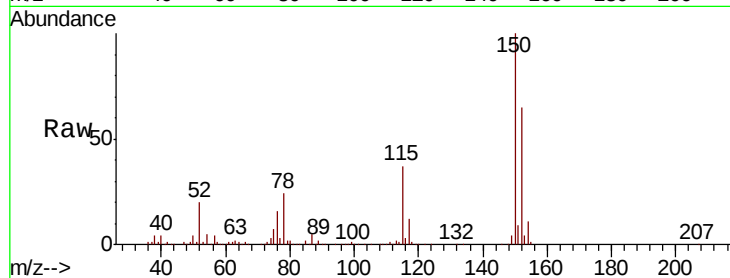




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.47 min Scan# 3227
 Delta R.T. 0.00 min
 Lab File: VU034093.D
 Acq: 30 Aug 2019 13:11

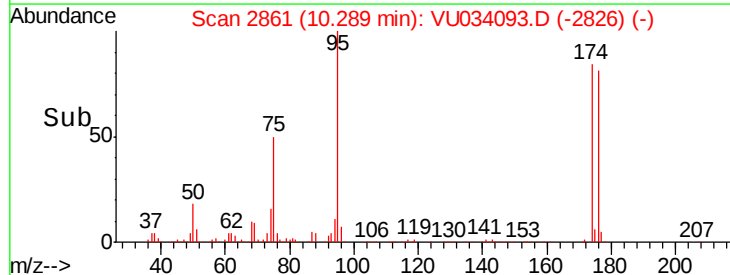
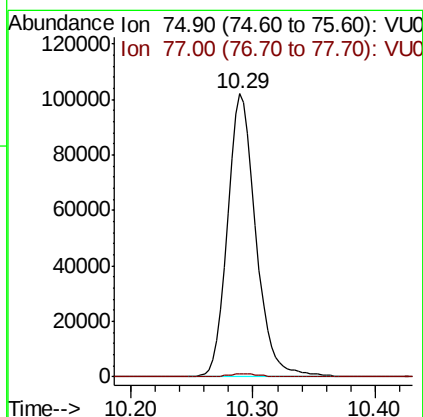
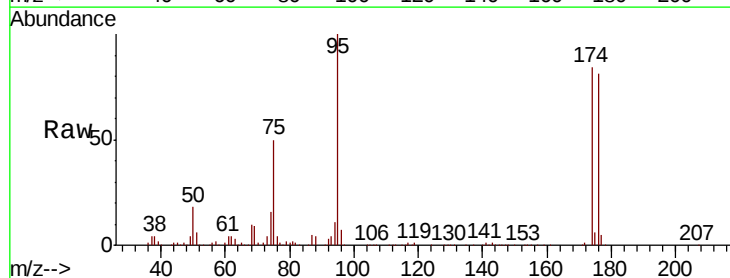
Instrument :
 MSVOA_U
 ClientSampleId :
 TW-3

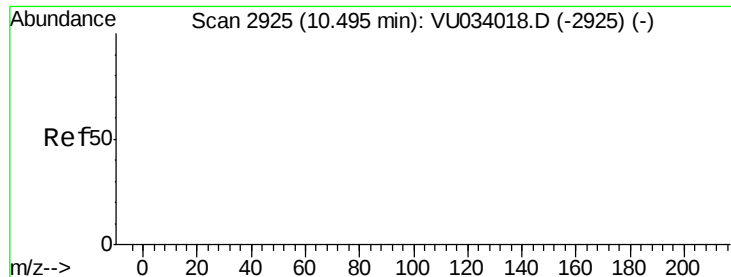
Tgt Ion:152 Resp: 370980
 Ion Ratio Lower Upper
 152 100
 115 57.4 41.1 123.3
 150 156.5 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 19.858 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. -0.19 min
 Lab File: VU034093.D
 Acq: 30 Aug 2019 13:11

Tgt Ion: 75 Resp: 166037
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.1 60.2#

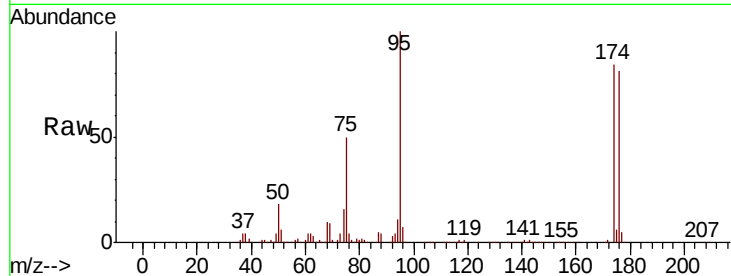




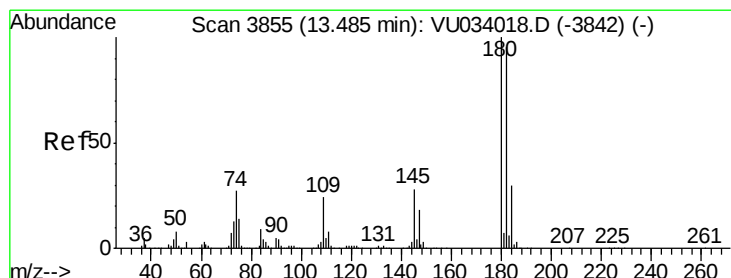
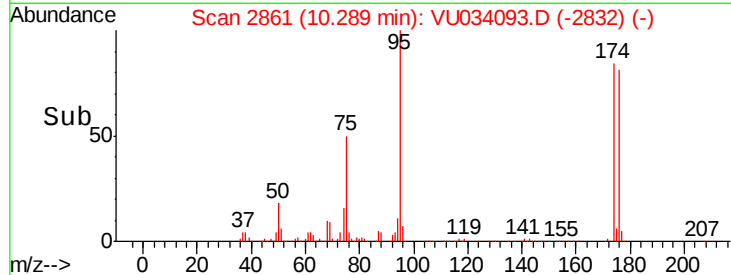
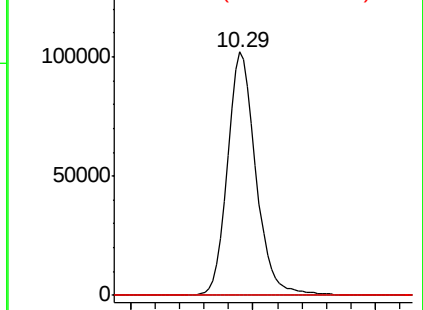
#81
trans-1,4-Dichloro-2-butene
Concen: 66.866 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. -0.21 min
Lab File: VU034093.D
Acq: 30 Aug 2019 13:11

Instrument :
MSVOA_U
ClientSampleId :
TW-3

Tgt Ion: 75 Resp: 166037
Ion Ratio Lower Upper
75 100
53 0.1 0.0 0.0#
89 0.0 0.0 0.0

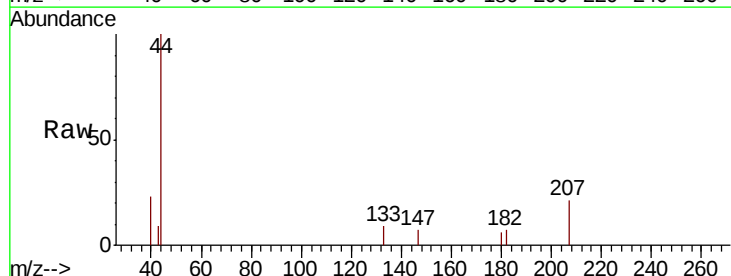


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0

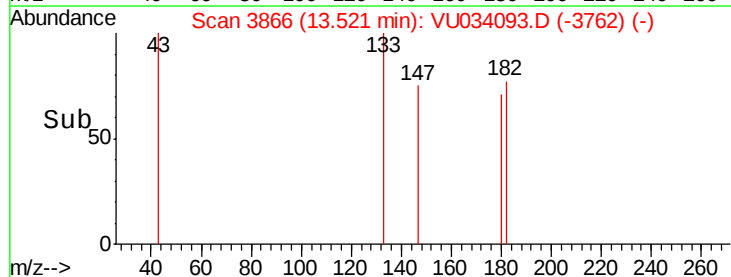
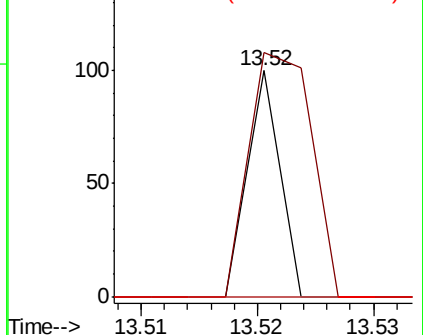


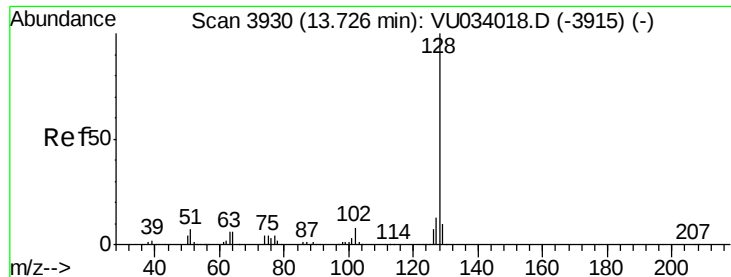
#93
1,2,4-Trichlorobenzene
Concen: 1.116 ug/l
RT: 13.52 min Scan# 3866
Delta R.T. 0.04 min
Lab File: VU034093.D
Acq: 30 Aug 2019 13:11

Tgt Ion: 180 Resp: 19
Ion Ratio Lower Upper
180 100
182 210.5 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: 1.822 ug/l

RT: 13.75 min Scan# 3938

Delta R.T. 0.03 min

Lab File: VU034093.D

Acq: 30 Aug 2019 13:11

Instrument :

MSVOA_U

ClientSampleId :

TW-3

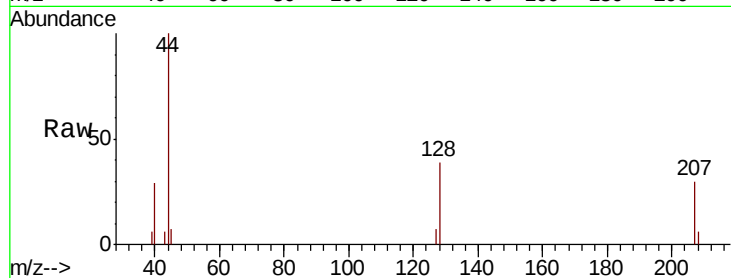
Tgt Ion:128 Resp: 780

Ion Ratio Lower Upper

128 100

127 6.2 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

