

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083119\
 Data File : VU034100.D
 Acq On : 30 Aug 2019 15:54
 Operator : JC/SP
 Sample : K4620-02ME
 Misc : 6.65g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

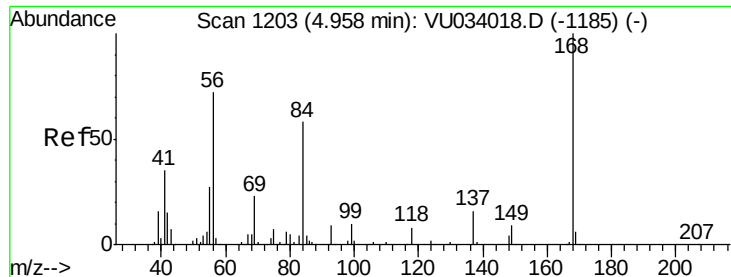
Quant Time: Aug 30 17:21:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 04:11:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.95	168	491296	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	794006	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	773513	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	396867	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.28	65	303981	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	
35) Dibromofluoromethane	4.86	113	249282	45.27	ug/l	0.00
Spiked Amount			Recovery	=	90.54%	
50) Toluene-d8	7.55	98	981531	47.60	ug/l	0.00
Spiked Amount			Recovery	=	95.20%	
62) 4-Bromofluorobenzene	10.30	95	378477	47.18	ug/l	0.00
Spiked Amount			Recovery	=	94.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	3589	Below Cal		98
5) Bromomethane	1.59	94	1721	Below Cal		93
10) Methyl Iodide	2.38	142	1543	0.225	ug/l #	85
11) Tert butyl alcohol	2.81	59	358	0.247	ug/l #	73
16) Acetone	2.32	43	963	0.300	ug/l #	59
18) Methyl Acetate	2.61	43	5588	0.673	ug/l	93
20) Methylene Chloride	2.67	84	2687	0.442	ug/l	90
31) Cyclohexane	4.95	56	8926	0.950	ug/l #	1
36) 1,1-Dichloropropene	4.95	75	36693	4.886	ug/l #	45
38) Carbon Tetrachloride	4.95	117	45399	6.262	ug/l #	17
44) Trichloroethene	6.16	130	54225	9.088	ug/l	98
76) 1,2,3-Trichloropropane	10.29	75	182217	20.372	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.29	75	182217	68.596	ug/l #	100
95) Naphthalene	13.81	128	229	1.799	ug/l #	70

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.95 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VU034100.D

Acq: 30 Aug 2019 15:54

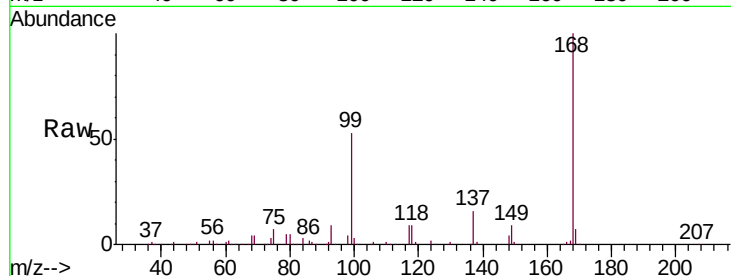
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:168 Resp: 491296

Ion Ratio Lower Upper

168 100

99 53.3 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) (-)

4.95

250000

200000

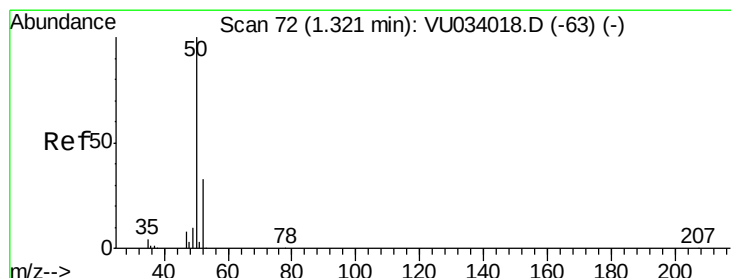
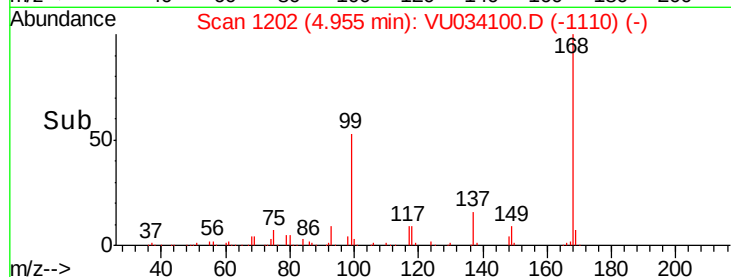
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU034100.D

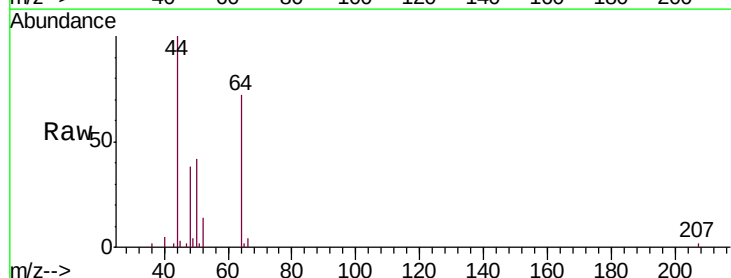
Acq: 30 Aug 2019 15:54

Tgt Ion: 50 Resp: 3589

Ion Ratio Lower Upper

50 100

52 34.0 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) (-)

1.32

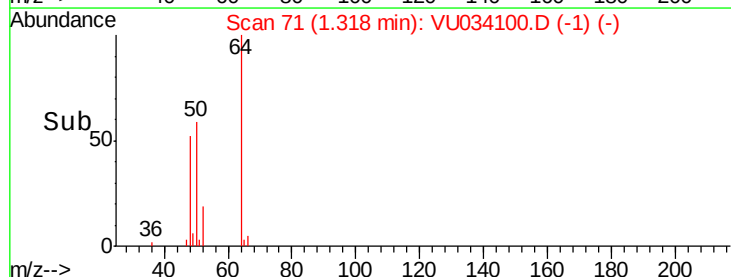
3000

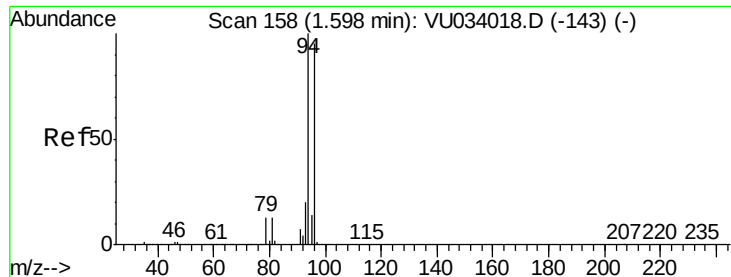
2000

1000

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.59 min Scan# 156

Delta R.T. -0.01 min

Lab File: VU034100.D

Acq: 30 Aug 2019 15:54

Instrument :

MSVOA_U

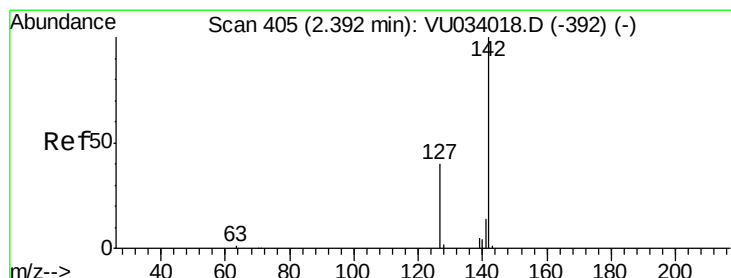
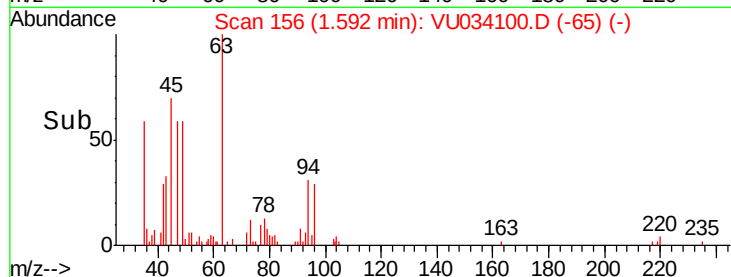
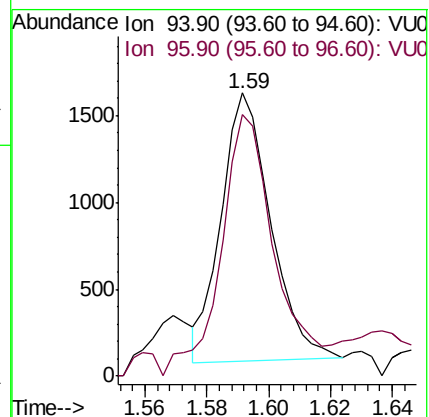
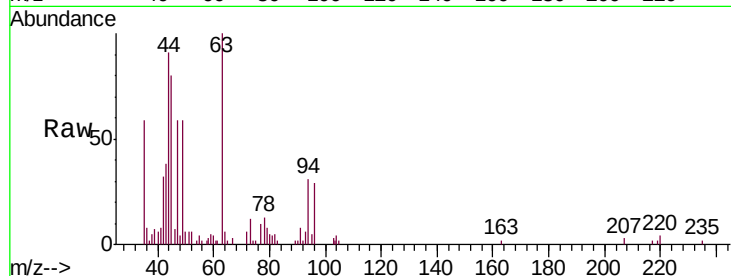
ClientSampleId :

Tot Ion: 94 Resp: 1721

Ion Ratio Lower Upper

94 100

96 88.7 76.3 114.5



#10

Methyl Iodide

Concen: 0.225 ug/l

RT: 2.38 min Scan# 401

Delta R.T. -0.01 min

Lab File: VU034100.D

Acq: 30 Aug 2019 15:54

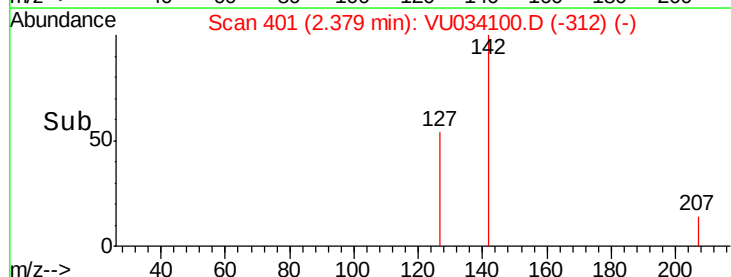
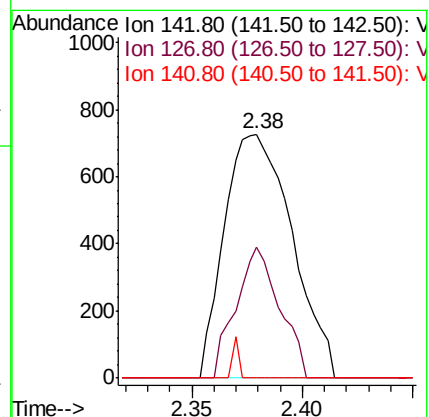
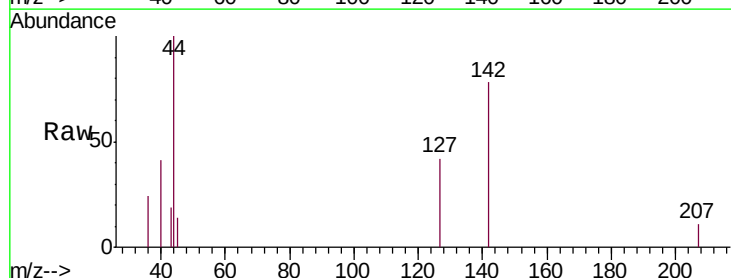
Tgt Ion: 142 Resp: 1543

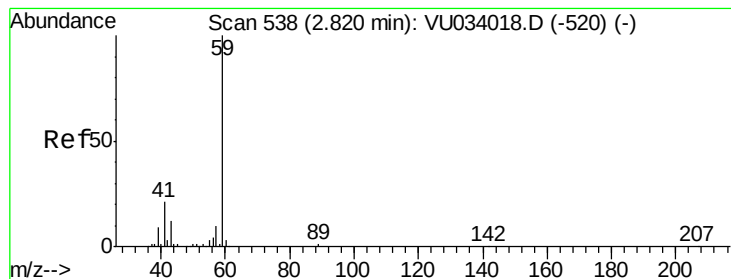
Ion Ratio Lower Upper

142 100

127 34.7 32.6 48.8

141 1.6 11.3 16.9#



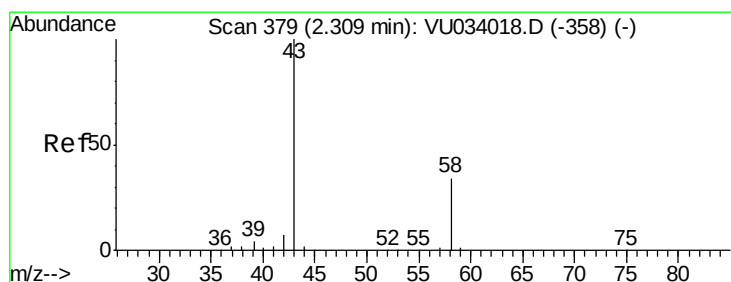
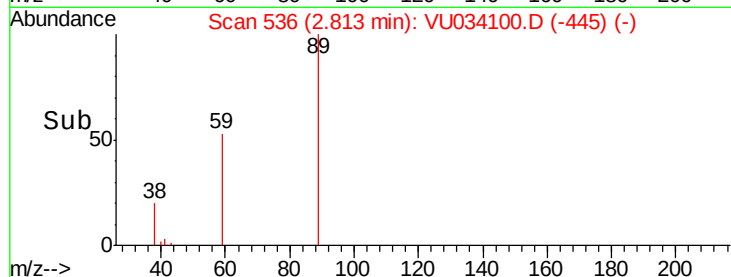
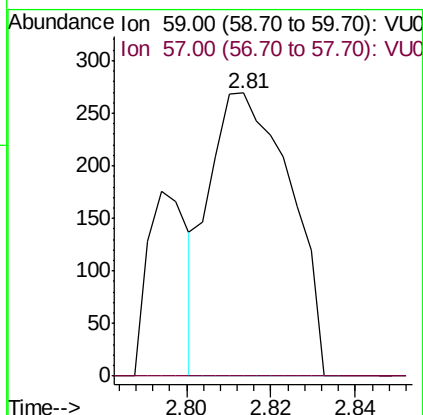
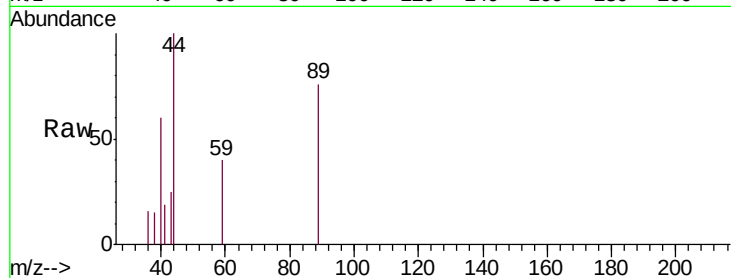


#11

Tert butyl alcohol
 Concen: 0.247 ug/l
 RT: 2.81 min Scan# 536
 Delta R.T. -0.01 min
 Lab File: VU034100.D
 Acq: 30 Aug 2019 15:54

Instrument :
 MSVOA_U
 ClientSampled :

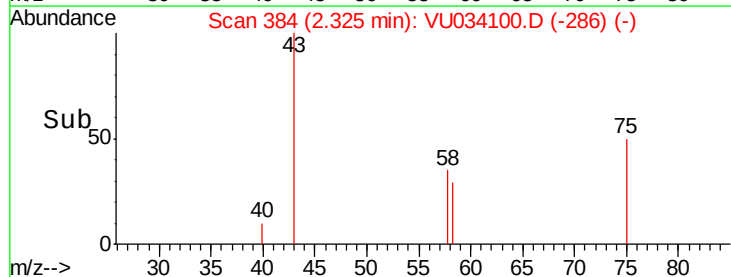
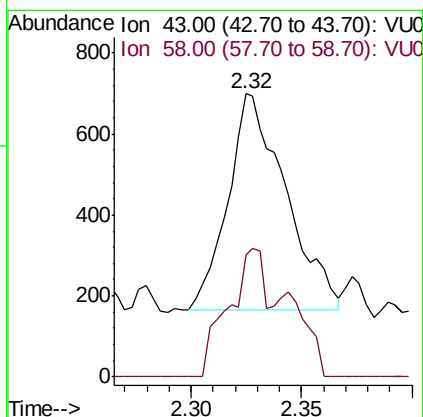
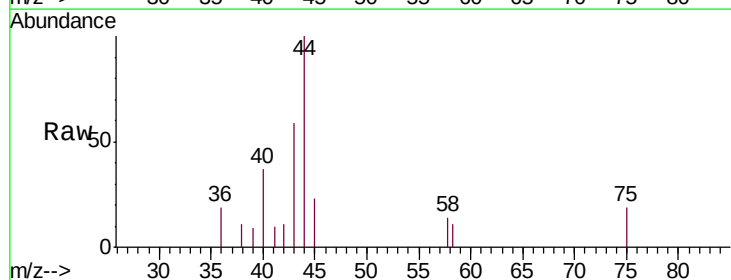
Tot Ion: 59 Resp: 358
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.0 12.0#

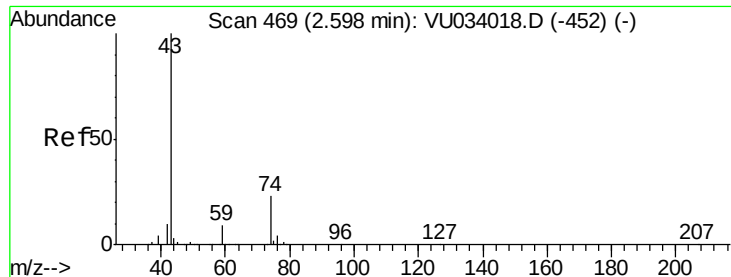


#16

Acetone
 Concen: 0.300 ug/l
 RT: 2.32 min Scan# 384
 Delta R.T. 0.02 min
 Lab File: VU034100.D
 Acq: 30 Aug 2019 15:54

Tgt Ion: 43 Resp: 963
 Ion Ratio Lower Upper
 43 100
 58 56.6 26.8 40.2#

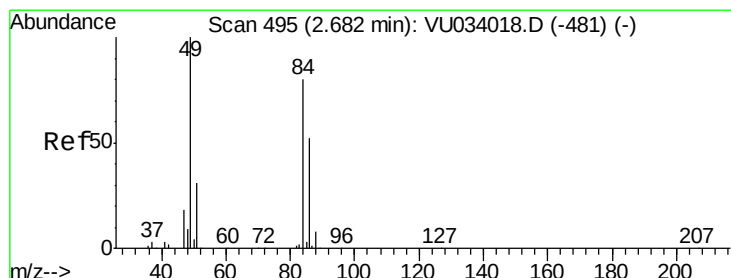
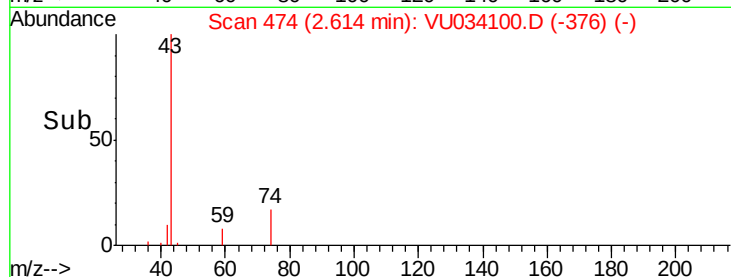
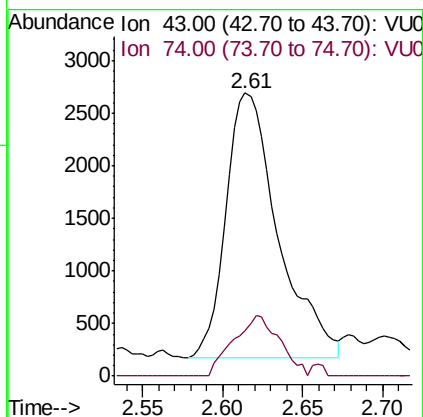
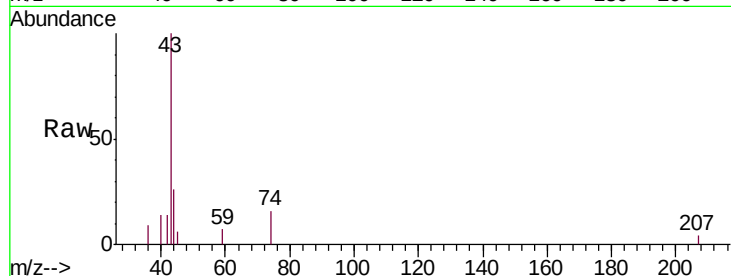




#18
Methvl Acetate
Concen: 0.673 ug/l
RT: 2.61 min Scan# 474
Delta R.T. 0.02 min
Lab File: VU034100.D
Acq: 30 Aug 2019 15:54

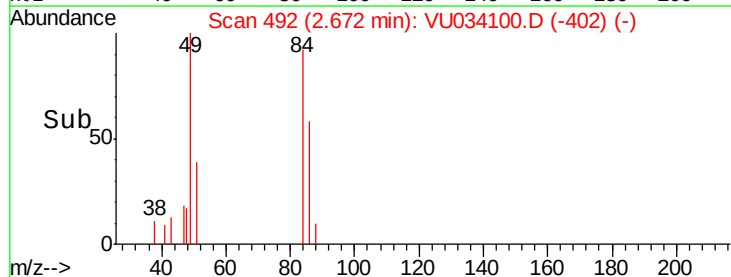
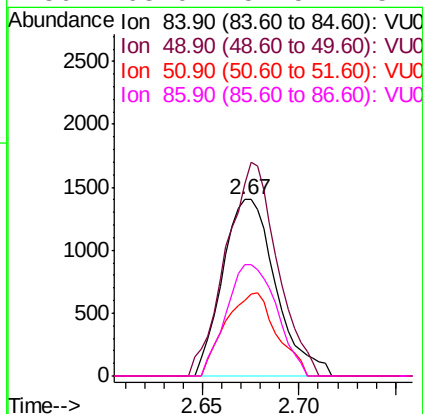
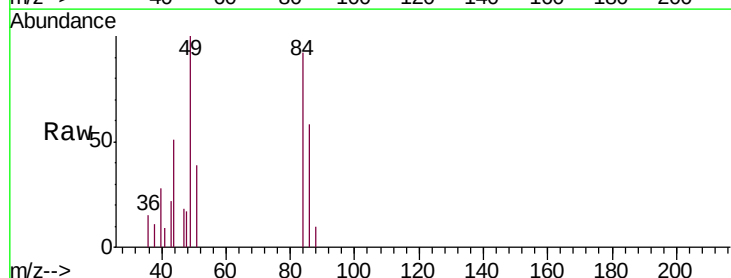
Instrument :
MSVOA_U
ClientSampleId :

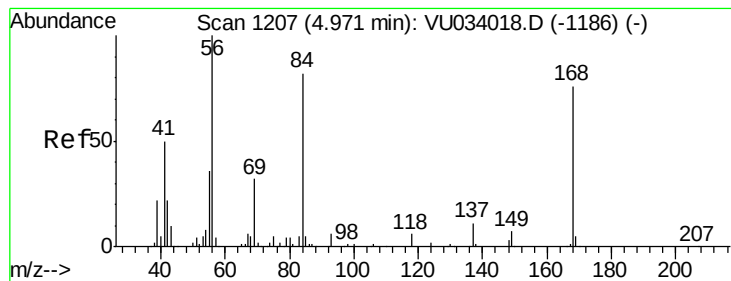
Tot Ion: 43 Resp: 5588
Ion Ratio Lower Upper
43 100
74 20.3 19.2 28.8



#20
Methylene Chloride
Concen: 0.442 ug/l
RT: 2.67 min Scan# 492
Delta R.T. -0.01 min
Lab File: VU034100.D
Acq: 30 Aug 2019 15:54

Tgt Ion: 84 Resp: 2687
Ion Ratio Lower Upper
84 100
49 108.7 100.2 150.4
51 42.6 30.8 46.2
86 63.0 52.5 78.7





#31

Cyclohexane

Concen: 0.950 ug/l

RT: 4.95 min Scan# 1201

Delta R.T. -0.02 min

Lab File: VU034100.D

Acq: 30 Aug 2019 15:54

Instrument :
MSVOA_U
ClientSampleId :

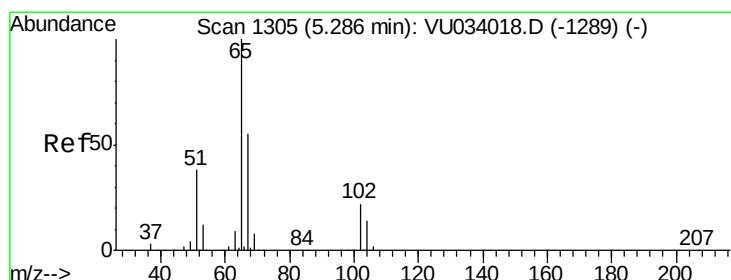
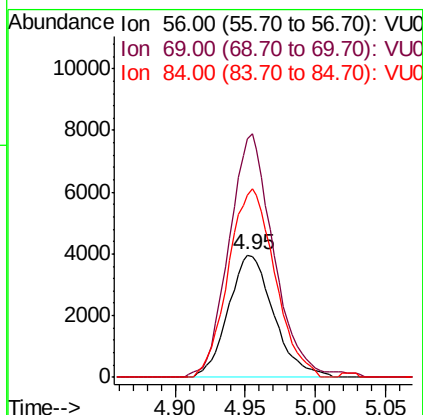
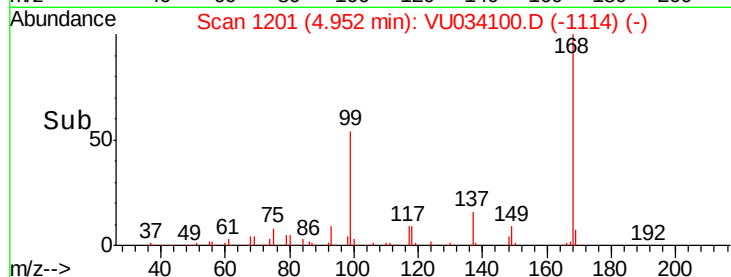
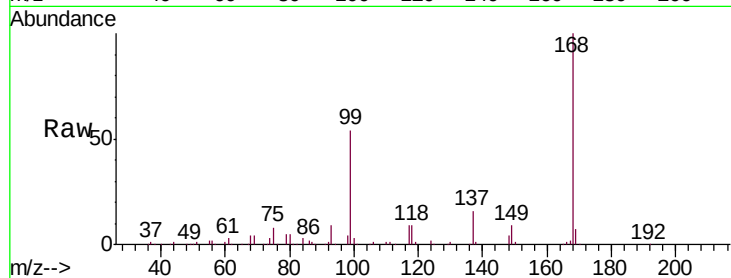
Tot Ion: 56 Resp: 8926

Ion Ratio Lower Upper

56 100

69 192.2 25.4 38.0#

84 149.1 65.8 98.8#



#33

1,2-Dichloroethane-d4

Concen: 48.288 ug/l

RT: 5.28 min Scan# 1304

Delta R.T. -0.00 min

Lab File: VU034100.D

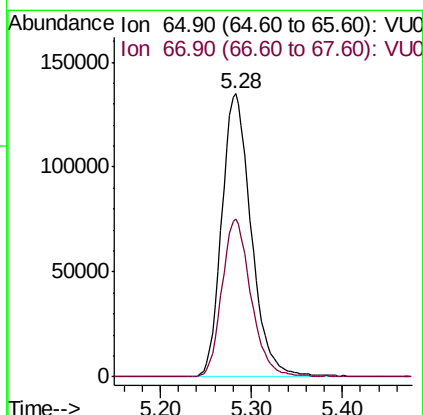
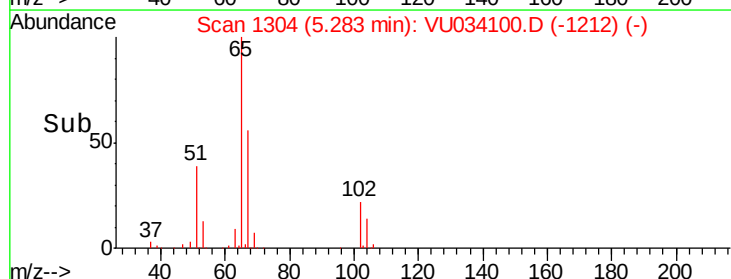
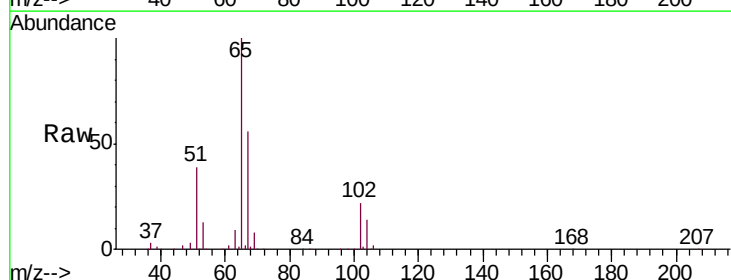
Acq: 30 Aug 2019 15:54

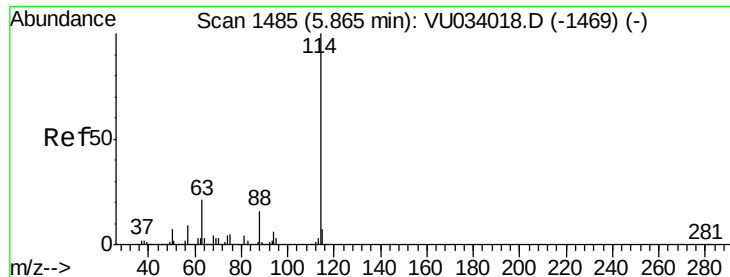
Tgt Ion: 65 Resp: 303981

Ion Ratio Lower Upper

65 100

67 55.0 0.0 110.6

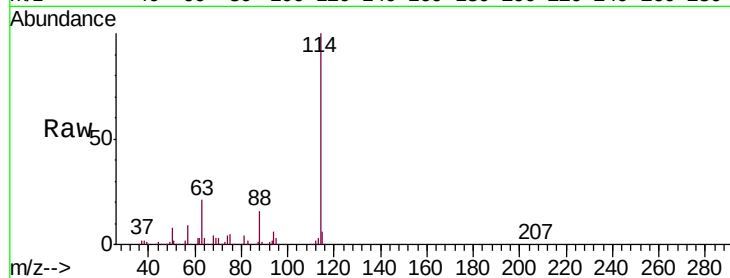




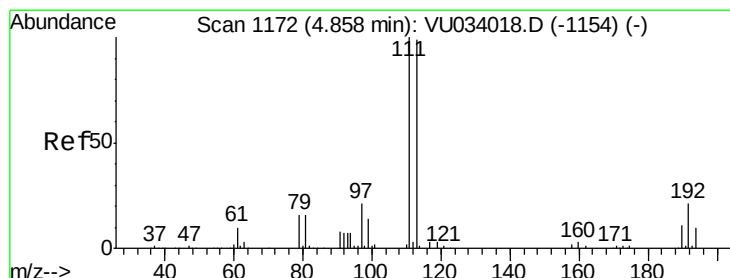
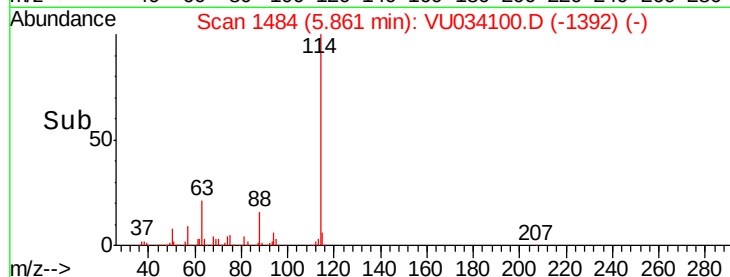
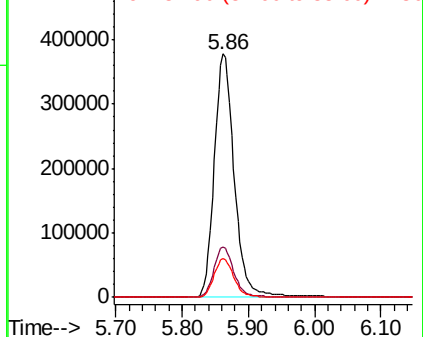
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VU034100.D
 Acq: 30 Aug 2019 15:54

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:114 Resp: 794006
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 42.0
 88 15.8 0.0 32.0

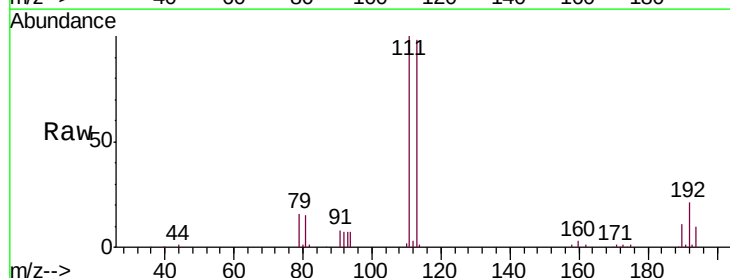


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

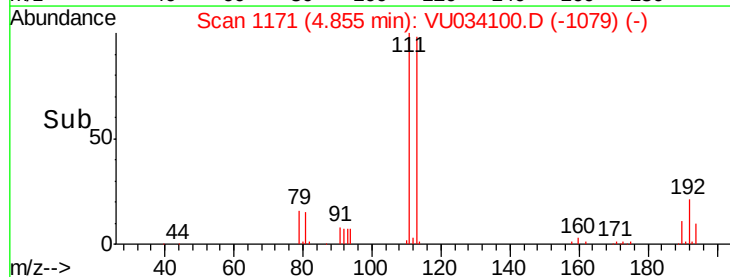
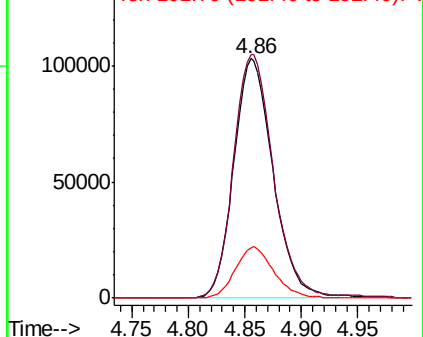


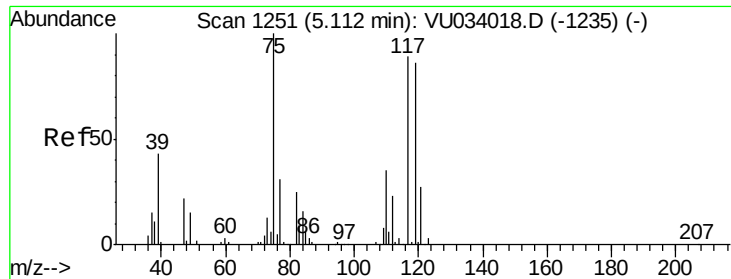
#35
 Dibromofluoromethane
 Concen: 45.265 ug/l
 RT: 4.86 min Scan# 1171
 Delta R.T. -0.00 min
 Lab File: VU034100.D
 Acq: 30 Aug 2019 15:54

Tgt Ion:113 Resp: 249282
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.7 122.5
 192 21.2 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

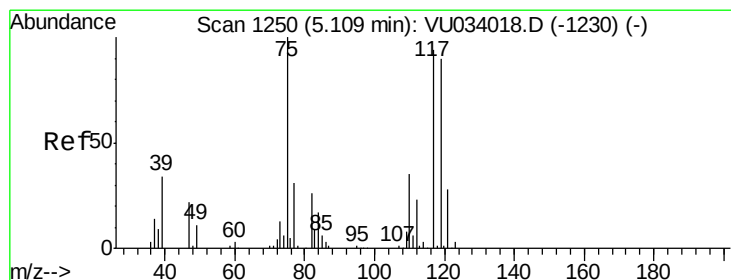
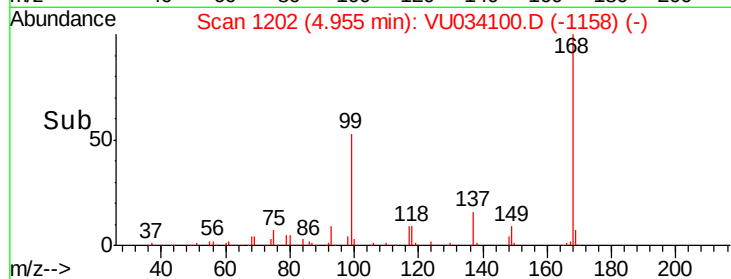
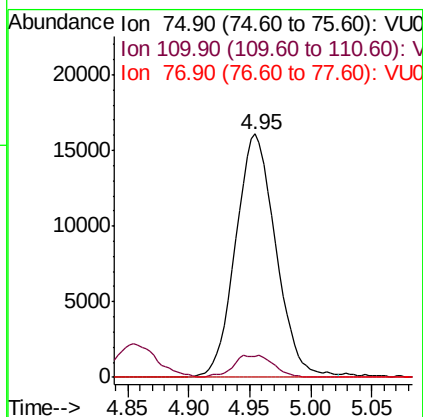
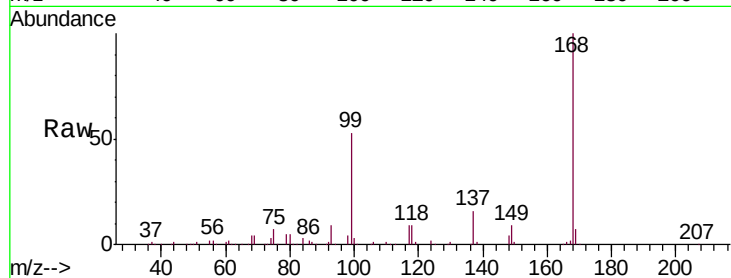




#36
 1,1-Dichloropropene
 Concen: 4.886 ug/l
 RT: 4.95 min Scan# 1202
 Delta R.T. -0.16 min
 Lab File: VU034100.D
 Acq: 30 Aug 2019 15:54

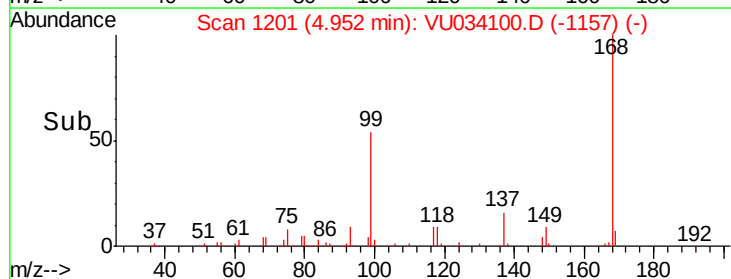
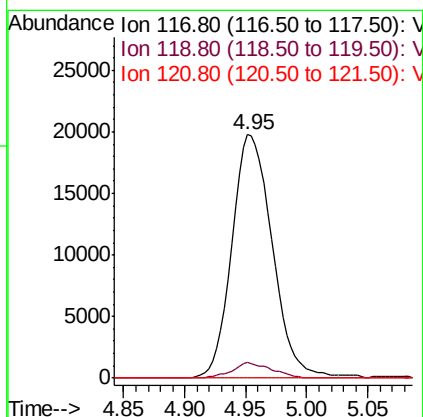
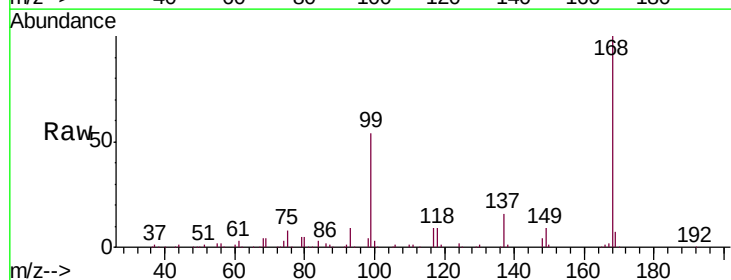
Instrument :
 MSVOA_U
 ClientSampleId :

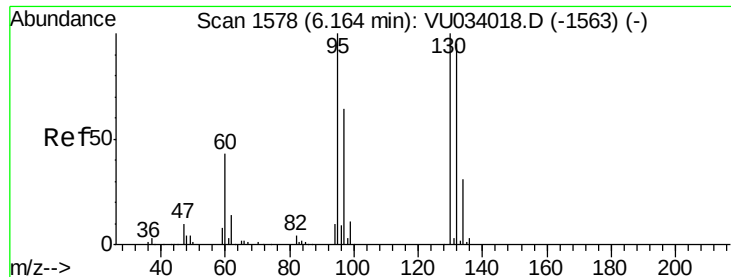
Tot Ion	Ratio	Lower	Upper
75	100		
110	4.4	17.8	53.5#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.262 ug/l
 RT: 4.95 min Scan# 1201
 Delta R.T. -0.16 min
 Lab File: VU034100.D
 Acq: 30 Aug 2019 15:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.5	77.0	115.4#
121	0.0	23.9	35.9#





#44

Trichloroethene

Concen: 9.088 ug/l

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU034100.D

Acq: 30 Aug 2019 15:54

Instrument :

MSVOA_U

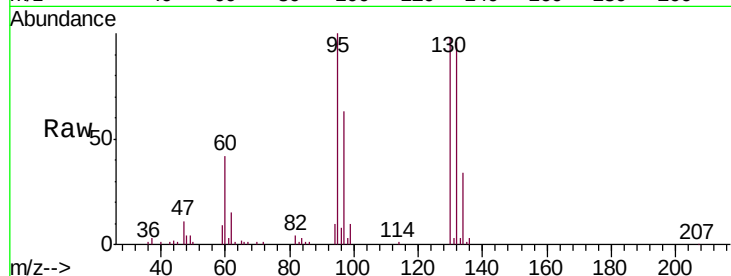
ClientSampleId :

Tot Ion:130 Resp: 54225

Ion Ratio Lower Upper

130 100

95 101.7 0.0 199.6

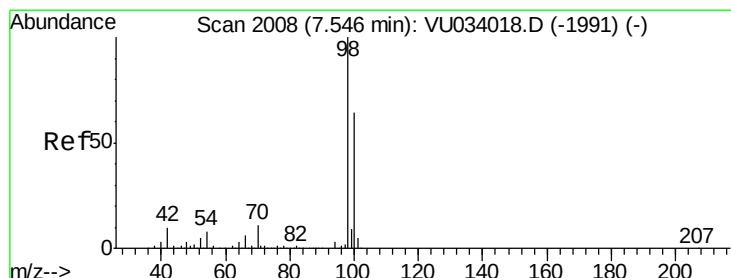
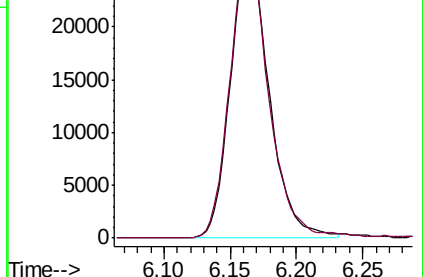
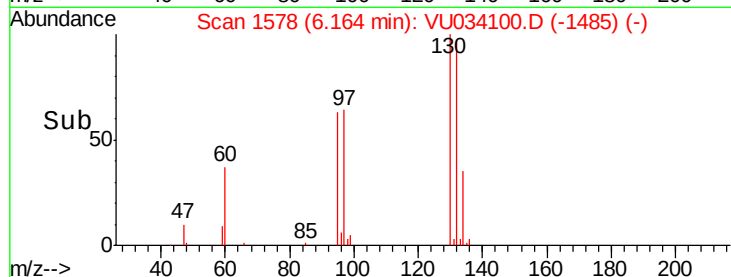


Abundance Ion 129.80 (129.50 to 130.50): VU034100.D (-1485) (-)

Ion 94.90 (94.60 to 95.60): VU034100.D (-1485) (-)

6.16

Time-->



#50

Toluene-d8

Concen: 47.599 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. -0.00 min

Lab File: VU034100.D

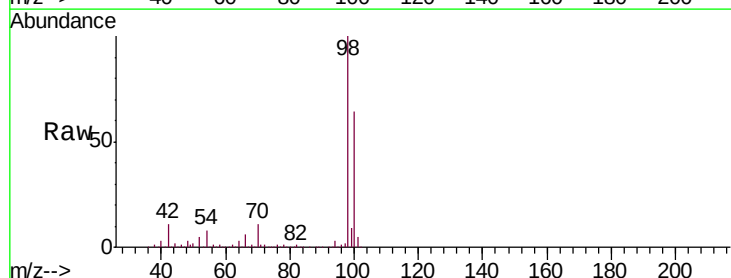
Acq: 30 Aug 2019 15:54

Tgt Ion: 98 Resp: 981531

Ion Ratio Lower Upper

98 100

100 63.9 50.3 75.5

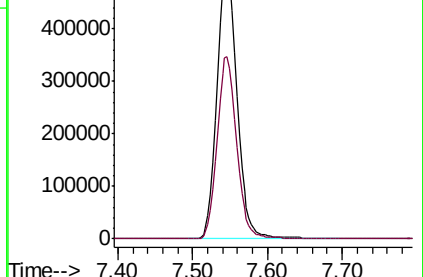
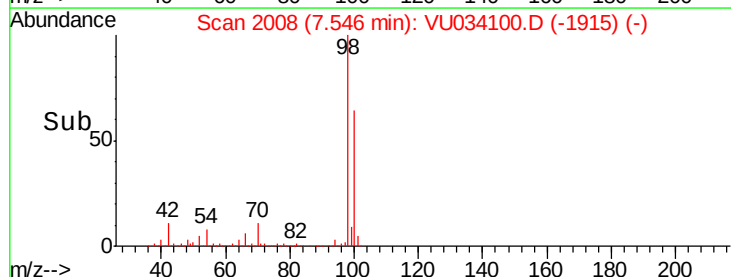


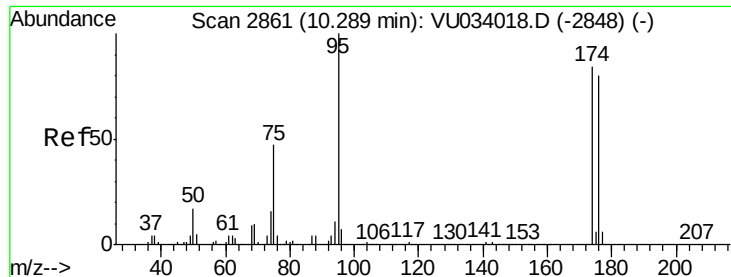
Abundance Ion 98.00 (97.70 to 98.70): VU034100.D (-1915) (-)

Ion 100.00 (99.70 to 100.70): VU034100.D (-1915) (-)

7.55

Time-->

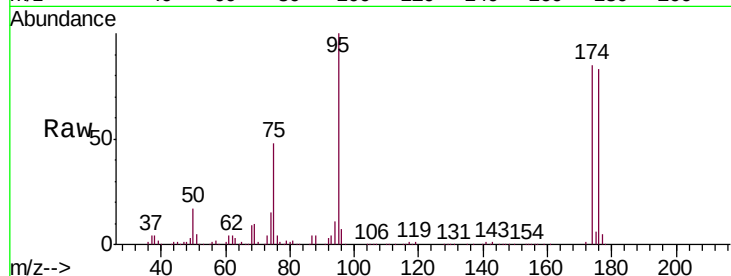




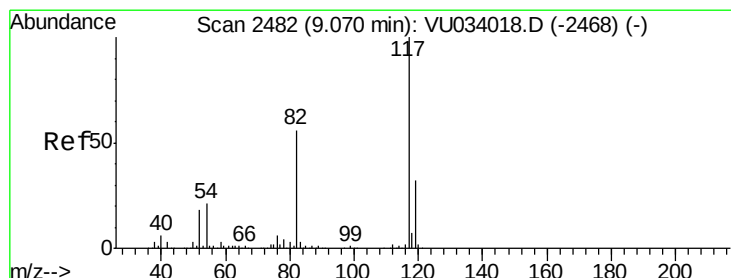
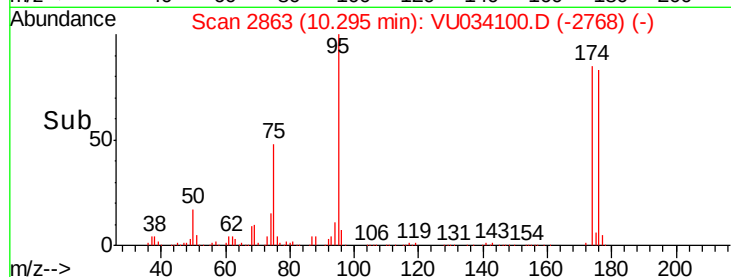
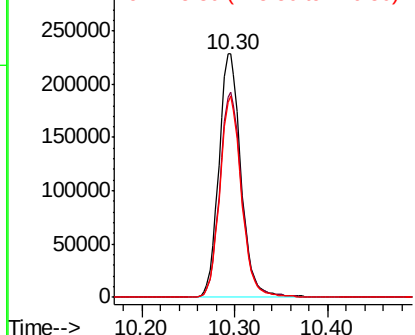
#62
4-Bromofluorobenzene
Concen: 47.184 ug/l
RT: 10.30 min Scan# 2863
Delta R.T. 0.01 min
Lab File: VU034100.D
Acq: 30 Aug 2019 15:54

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
95	100		
174	83.7	0.0	168.8
176	80.7	0.0	161.8

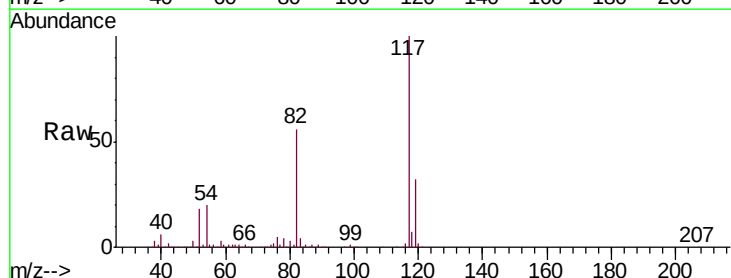


Abundance Ion 94.90 (94.60 to 95.60): VU034100.D (-2848) (-)
Ion 173.80 (173.50 to 174.50): VU034100.D (-2848) (-)
Ion 175.80 (175.50 to 176.50): VU034100.D (-2848) (-)

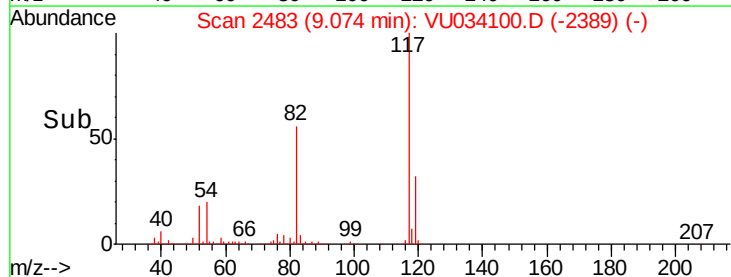
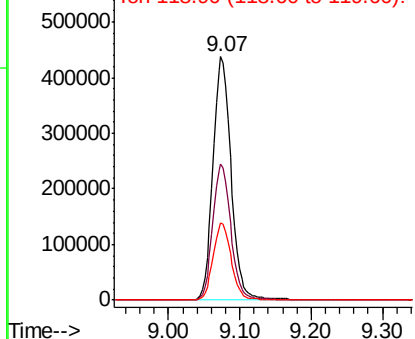


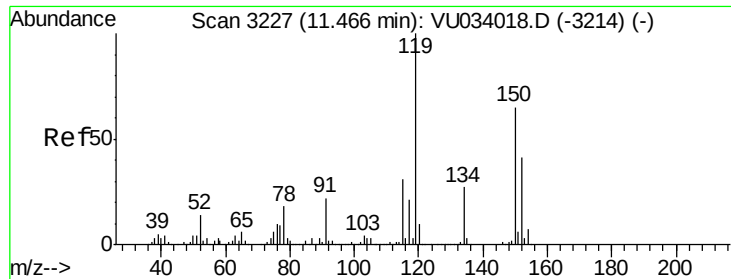
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2483
Delta R.T. 0.00 min
Lab File: VU034100.D
Acq: 30 Aug 2019 15:54

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.0	45.1	67.7
119	31.6	25.4	38.0



Abundance Ion 116.90 (116.60 to 117.60): VU034018.D (-2468) (-)
Ion 82.00 (81.70 to 82.70): VU034018.D (-2468) (-)
Ion 118.90 (118.60 to 119.60): VU034018.D (-2468) (-)



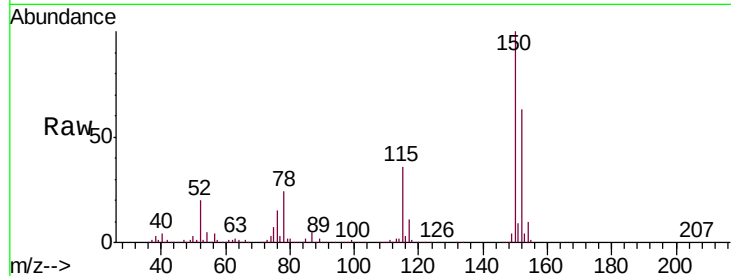


#72

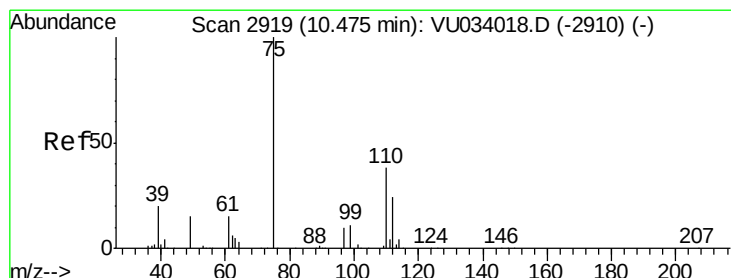
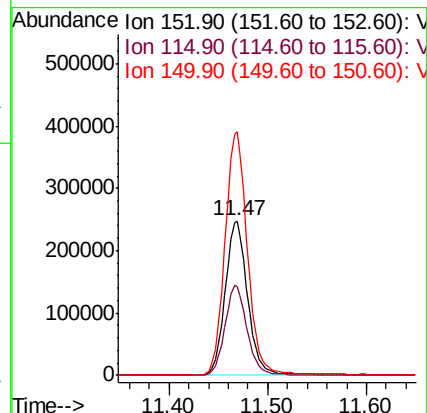
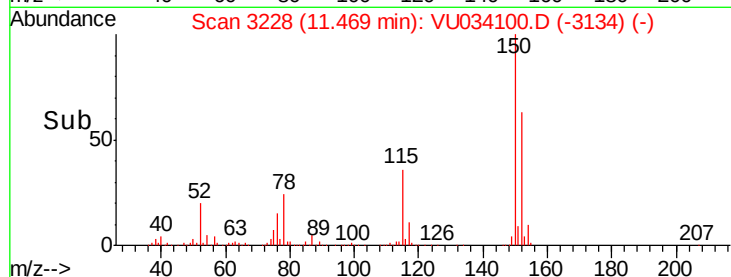
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.47 min Scan# 3228
Delta R.T. 0.00 min
Lab File: VU034100.D
Acq: 30 Aug 2019 15:54

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.5	41.1	123.3
150	158.3	0.0	348.8



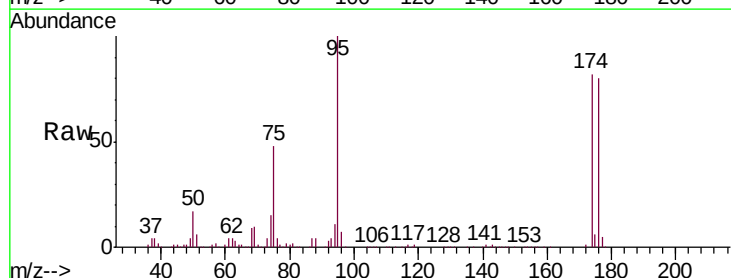
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



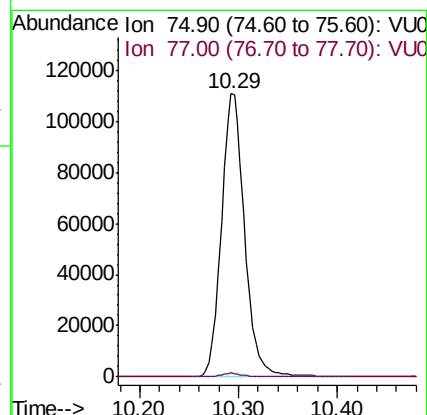
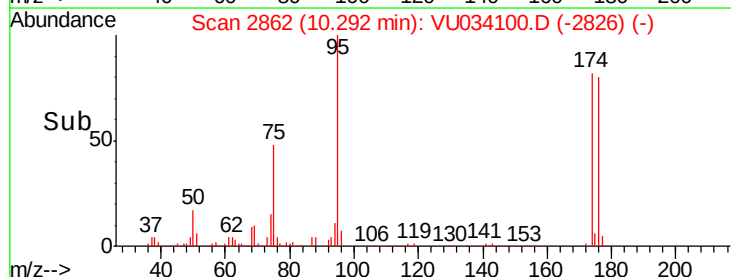
#76

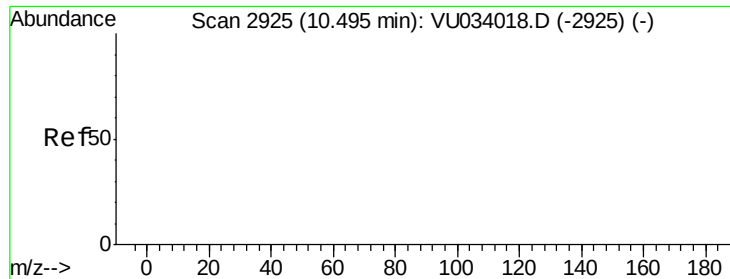
1,2,3-Trichloropropane
Concen: 20.372 ug/l
RT: 10.29 min Scan# 2862
Delta R.T. -0.18 min
Lab File: VU034100.D
Acq: 30 Aug 2019 15:54

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



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 77.00 (76.70 to 77.70): VU0





#81

trans-1,4-Dichloro-2-butene

Concen: 68.596 ug/l

RT: 10.29 min Scan# 2862

Delta R.T. -0.20 min

Lab File: VU034100.D

Acq: 30 Aug 2019 15:54

Instrument :

MSVOA_U

ClientSampled :

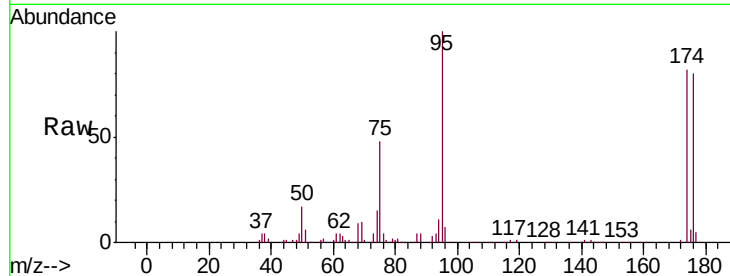
Tot Ion: 75 Resp: 182217

Ion Ratio Lower Upper

75 100

53 0.2 0.0 0.0#

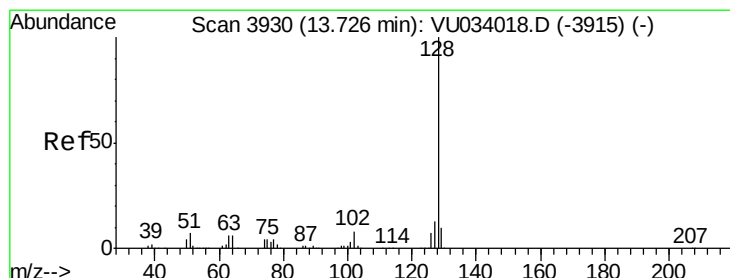
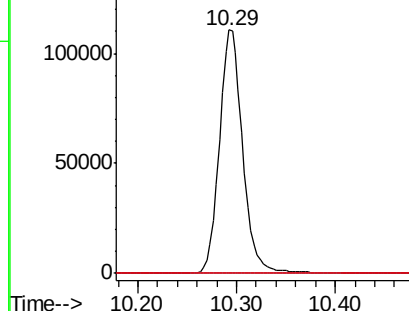
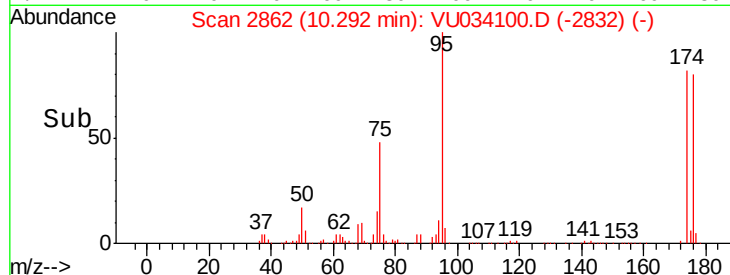
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU034100.D (-2862) (-)

Ion 53.00 (52.70 to 53.70): VU034100.D (-2862) (-)

Ion 88.90 (88.60 to 89.60): VU034100.D (-2862) (-)



#95

Naphthalene

Concen: 1.799 ug/l

RT: 13.81 min Scan# 3955

Delta R.T. 0.08 min

Lab File: VU034100.D

Acq: 30 Aug 2019 15:54

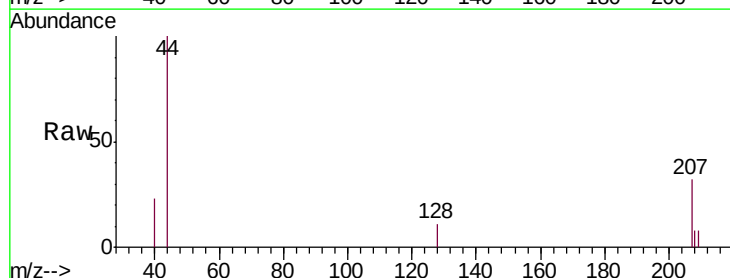
Tgt Ion:128 Resp: 229

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.4 12.6#



Abundance Ion 128.00 (127.70 to 128.70): VU034100.D (-3955) (-)

Ion 127.00 (126.70 to 127.70): VU034100.D (-3955) (-)

Ion 129.00 (128.70 to 129.70): VU034100.D (-3955) (-)

