

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090719\
 Data File : VU034317.D
 Acq On : 06 Sep 2019 09:44
 Operator : JC/SP
 Sample : VU0907MBL01
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 06 12:23:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 05:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	411552	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	623234	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	603648	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	294518	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	264928	42.55	ug/l	0.00
Spiked Amount			Recovery	=	85.10%	
35) Dibromofluoromethane	4.86	113	227873	39.29	ug/l	0.00
Spiked Amount			Recovery	=	78.58%	
50) Toluene-d8	7.55	98	894729	41.07	ug/l	0.00
Spiked Amount			Recovery	=	82.14%	
62) 4-Bromofluorobenzene	10.29	95	300860	35.77	ug/l	0.00
Spiked Amount			Recovery	=	71.54%	

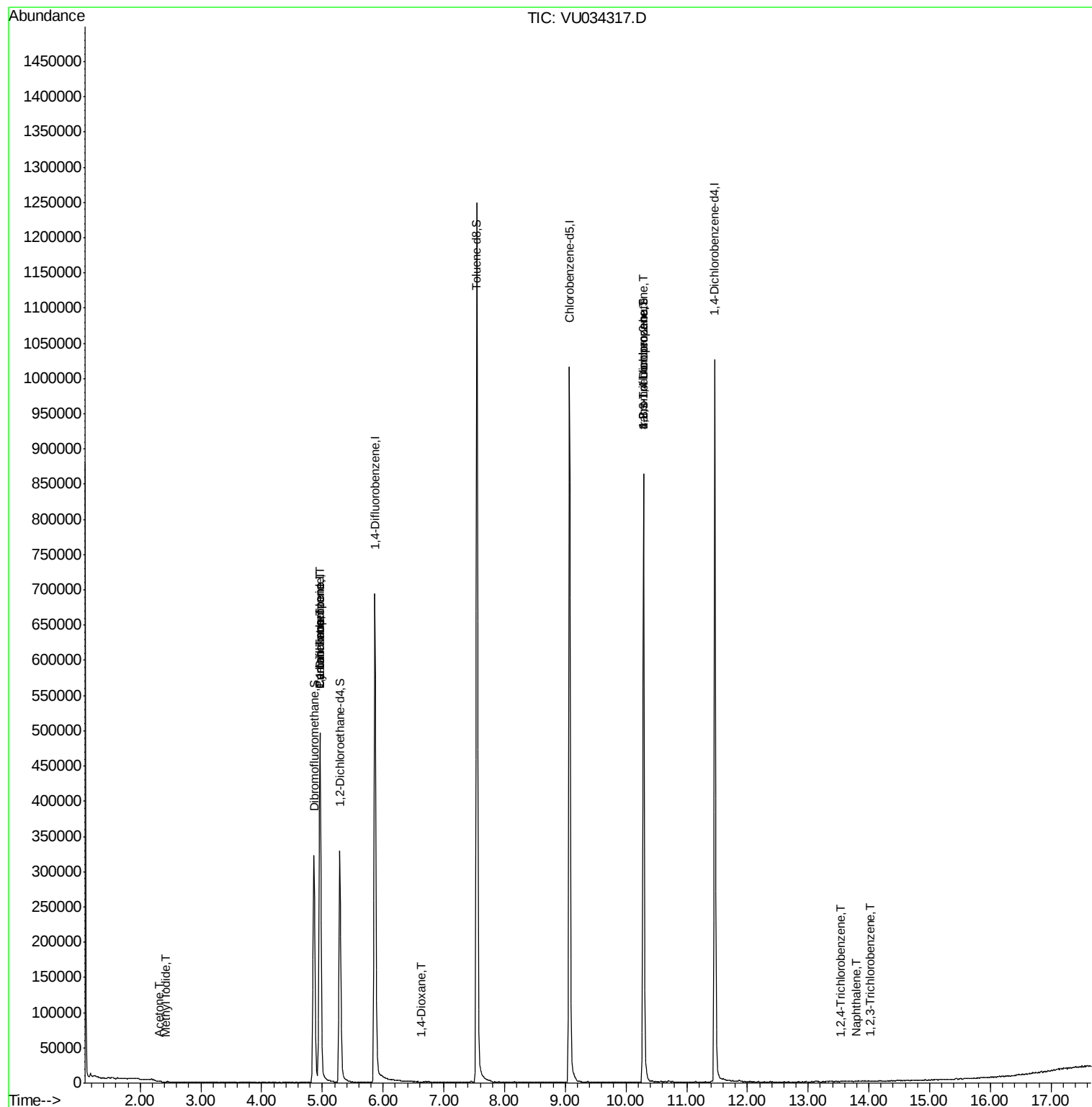
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	875	Below Cal		99
6) Chloroethane	1.68	64	170	Below Cal	#	43
10) Methyl Iodide	2.41	142	535	3.960	ug/l #	43
16) Acetone	2.32	43	647	0.201	ug/l	93
20) Methylene Chloride	2.69	84	382	Below Cal	#	91
31) Cyclohexane	4.96	56	6800	0.932	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	27670	4.094	ug/l #	49
38) Carbon Tetrachloride	4.96	117	36502	5.058	ug/l #	15
49) 1,4-Dioxane	6.62	88	45	0.348	ug/l #	1
76) 1,2,3-Trichloropropane	10.29	75	141430	21.999	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.29	75	141430	73.983	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.53	180	157	3.473	ug/l #	22
95) Naphthalene	13.79	128	2479	4.082	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.01	180	645	2.729	ug/l #	53

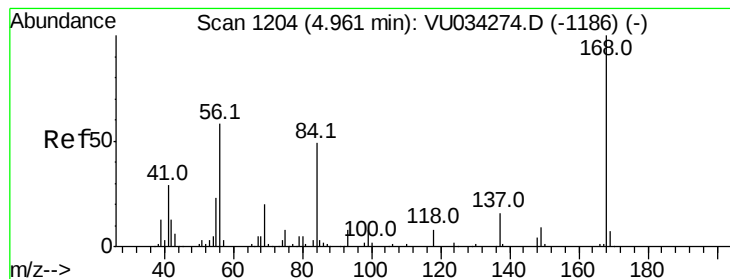
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_U
ClientSampleId :

Quant Time: Sep 06 12:23:39 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 06 05:10:13 2019
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: VU034317.D

Acq: 06 Sep 2019 09:44

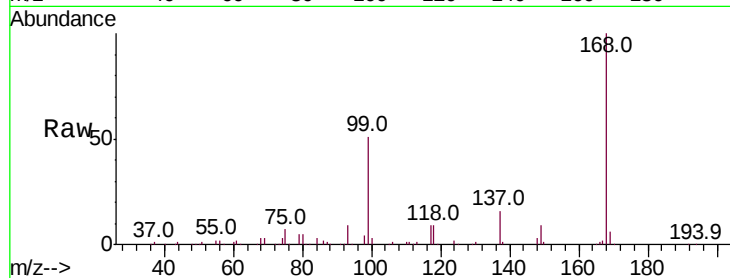
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:168 Resp: 411552

Ion Ratio Lower Upper

168 100

99 51.3 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): VU034274.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU034274.D (-1186) (-)

4.96

200000

150000

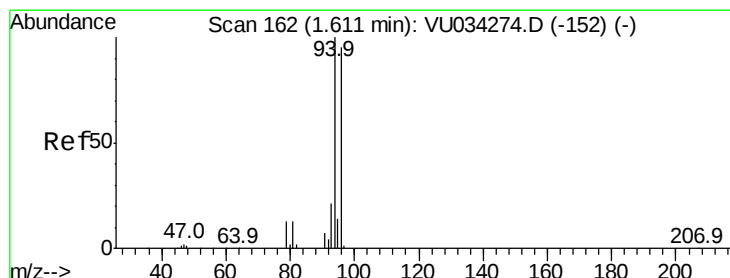
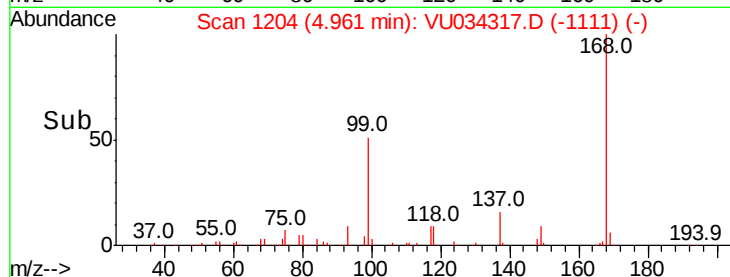
100000

50000

0

4.90 5.00 5.10

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 168

Delta R.T. 0.02 min

Lab File: VU034317.D

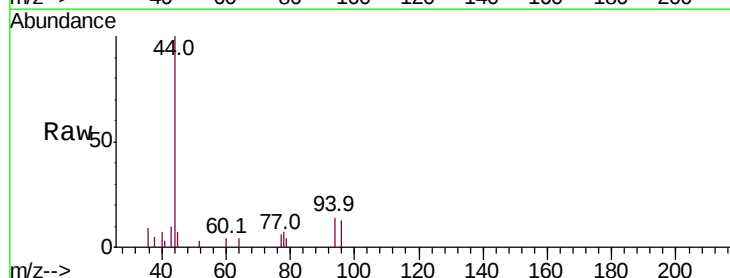
Acq: 06 Sep 2019 09:44

Tgt Ion: 94 Resp: 875

Ion Ratio Lower Upper

94 100

96 93.3 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VU034274.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VU034274.D (-152) (-)

1.63

600

500

400

300

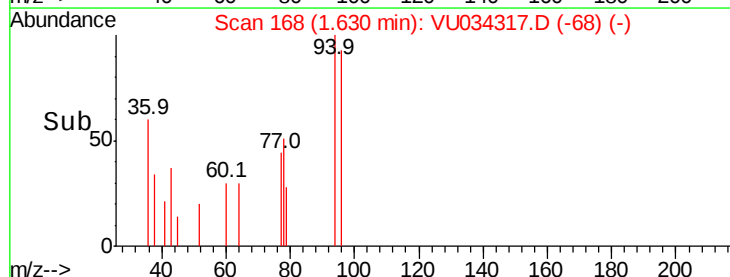
200

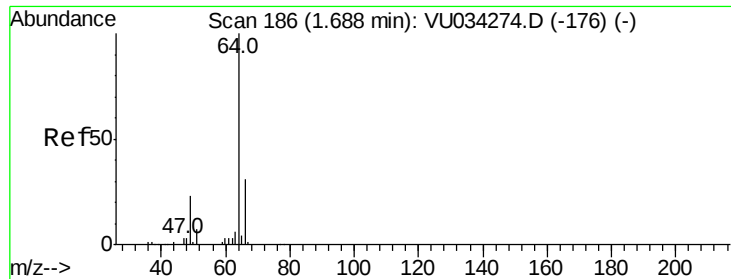
100

0

1.60 1.65

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 184

Delta R.T. -0.01 min

Lab File: VU034317.D

Acq: 06 Sep 2019 09:44

Instrument :

MSVOA_U

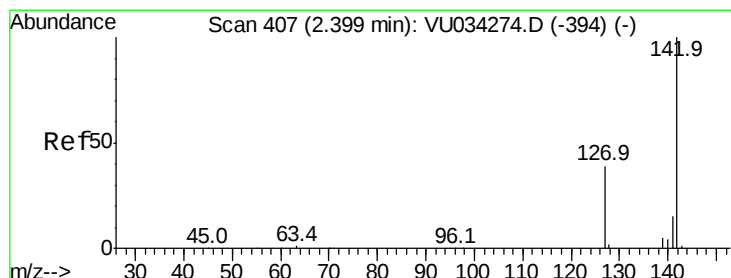
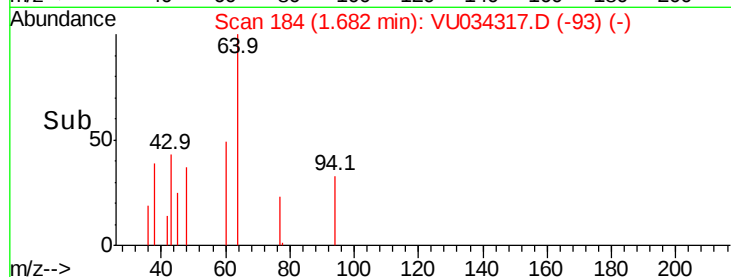
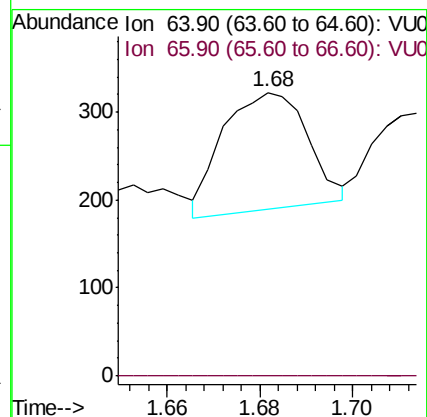
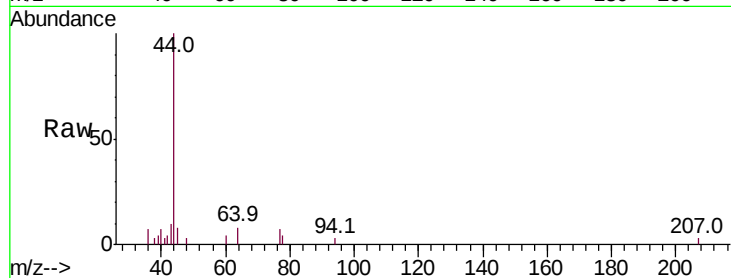
ClientSampleId :

Tot Ion: 64 Resp: 170

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#



#10

Methyl Iodide

Concen: 3.960 ug/l

RT: 2.41 min Scan# 409

Delta R.T. 0.01 min

Lab File: VU034317.D

Acq: 06 Sep 2019 09:44

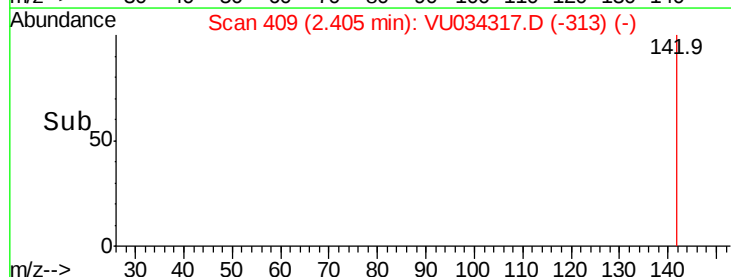
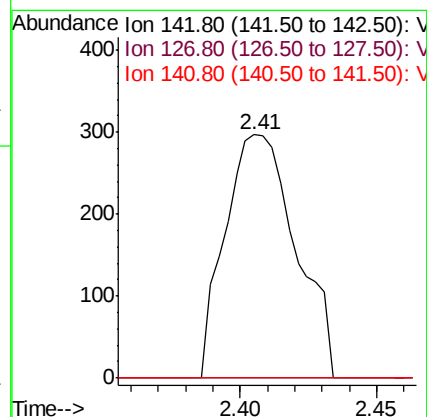
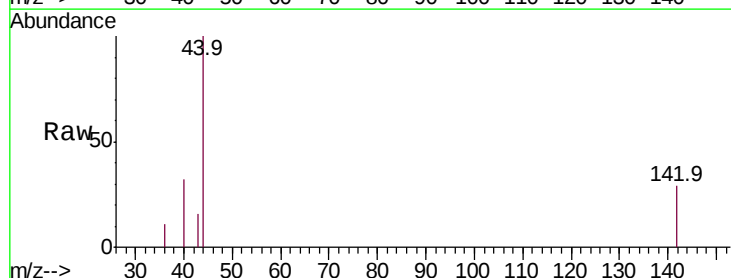
Tgt Ion: 142 Resp: 535

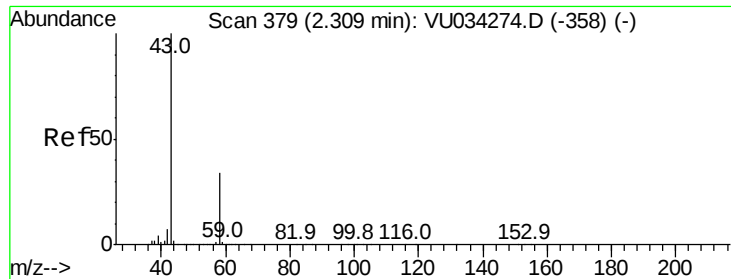
Ion Ratio Lower Upper

142 100

127 0.0 32.1 48.1#

141 0.0 11.5 17.3#

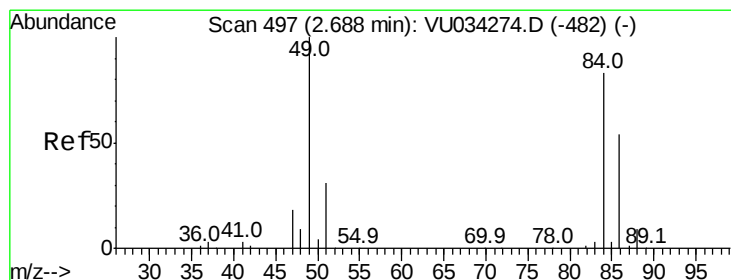
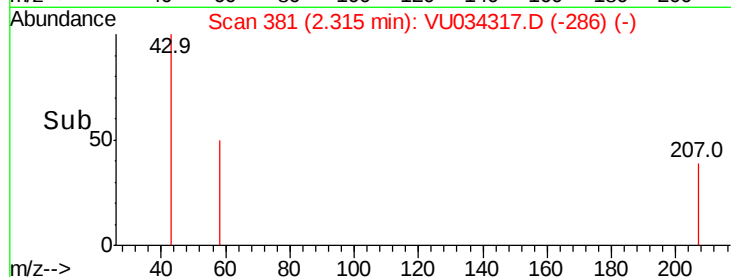
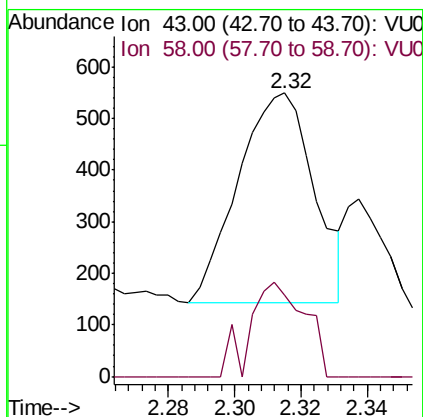
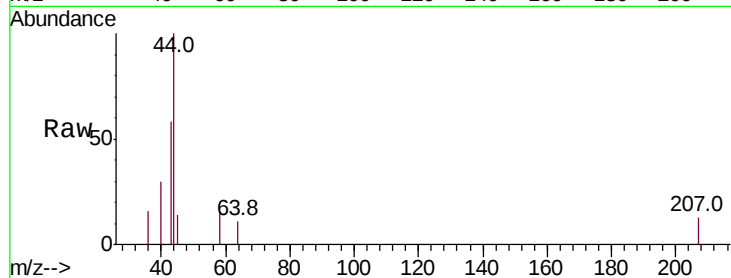




#16
Acetone
Concen: 0.201 ug/l
RT: 2.32 min Scan# 381
Delta R.T. 0.01 min
Lab File: VU034317.D
Acq: 06 Sep 2019 09:44

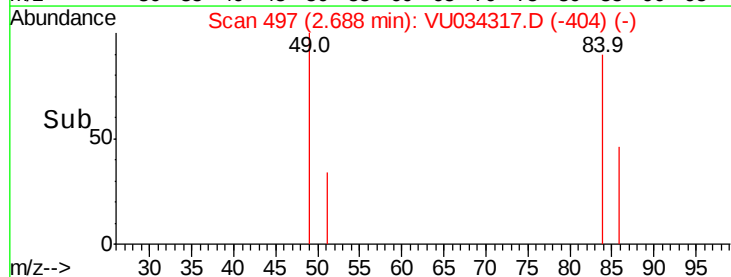
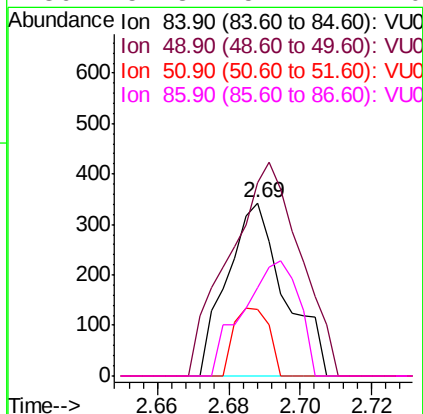
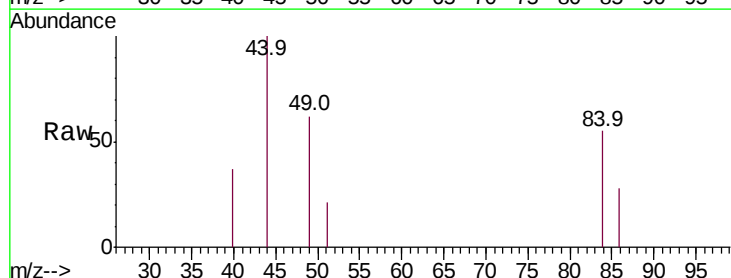
Instrument :
MSVOA_U
ClientSampleId :

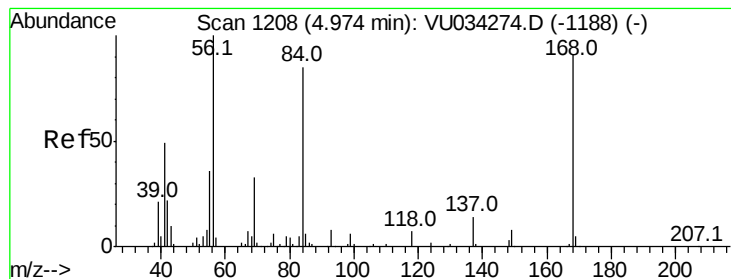
Tot Ion: 43 Resp: 647
Ion Ratio Lower Upper
43 100
58 38.7 27.6 41.4



#20
Methylene Chloride
Concen: Below Cal
RT: 2.69 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU034317.D
Acq: 06 Sep 2019 09:44

Tgt Ion: 84 Resp: 382
Ion Ratio Lower Upper
84 100
49 111.7 96.0 144.0
51 38.2 30.0 45.0
86 51.3 51.4 77.0#





#31

Cyclohexane

Concen: 0.932 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VU034317.D

Acq: 06 Sep 2019 09:44

Instrument :
MSVOA_U
ClientSampleId :

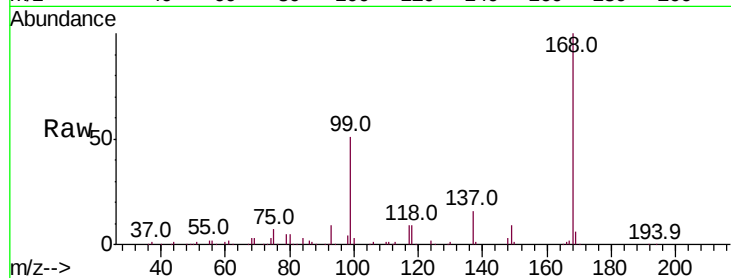
Tot Ion: 56 Resp: 6800

Ion Ratio Lower Upper

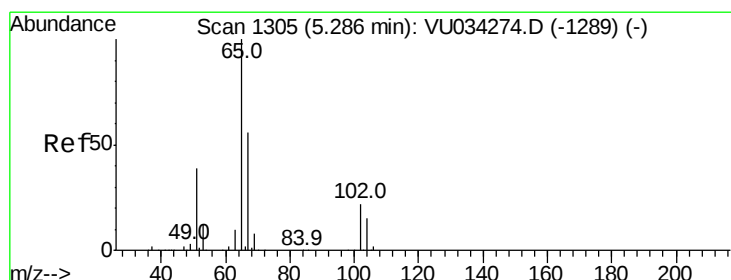
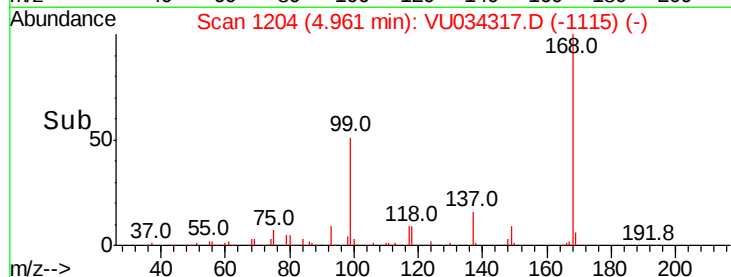
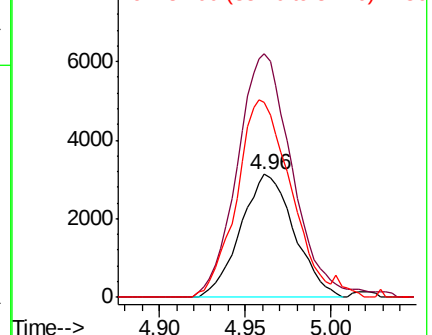
56 100

69 198.0 26.7 40.1#

84 158.5 68.2 102.4#



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0



#33

1,2-Dichloroethane-d4

Concen: 42.546 ug/l

RT: 5.29 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU034317.D

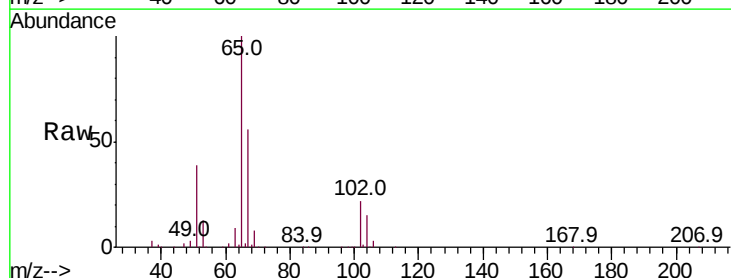
Acq: 06 Sep 2019 09:44

Tgt Ion: 65 Resp: 264928

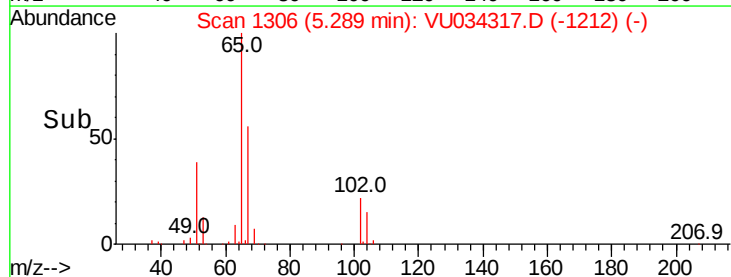
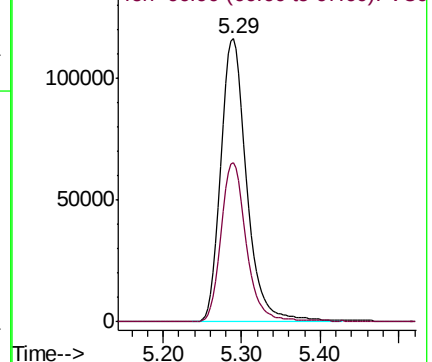
Ion Ratio Lower Upper

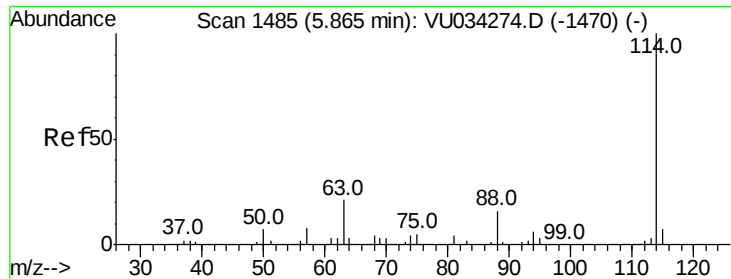
65 100

67 54.9 0.0 112.4



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0

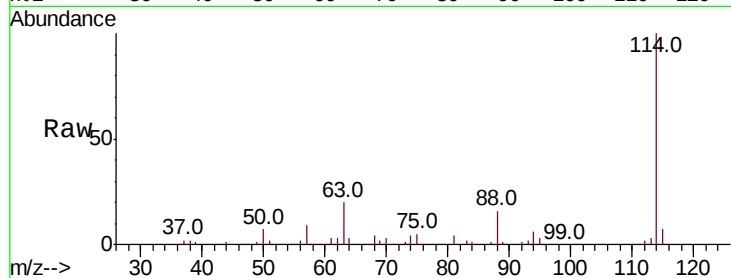




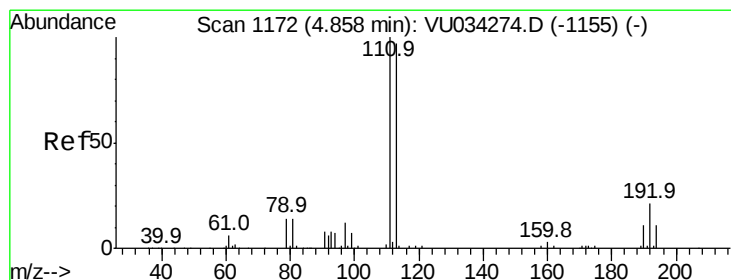
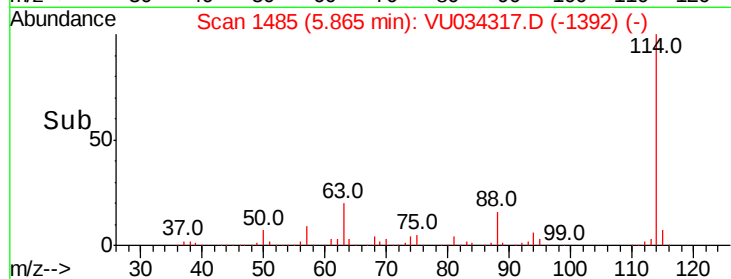
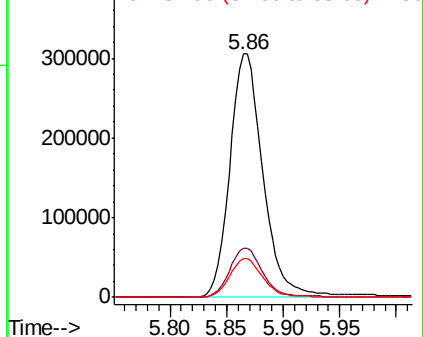
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VU034317.D
 Acq: 06 Sep 2019 09:44

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	42.4
88	15.8	0.0	32.4

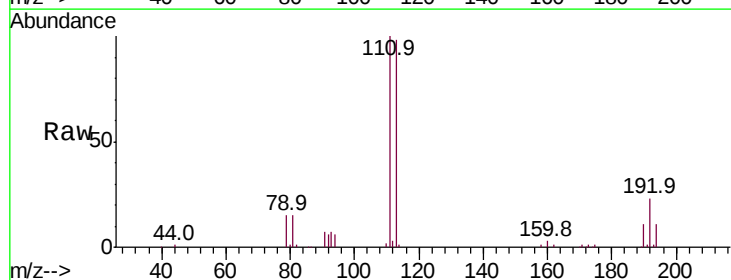


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

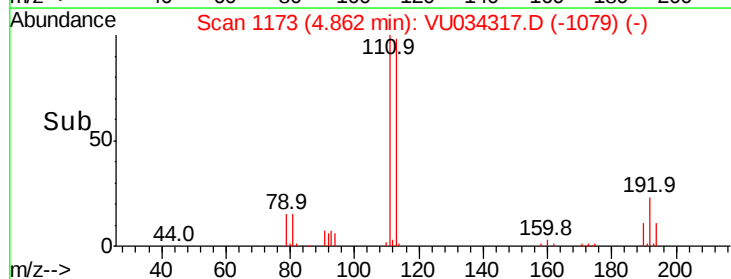
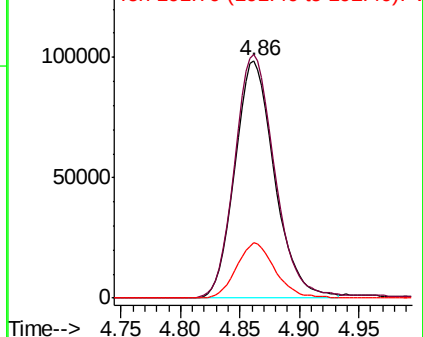


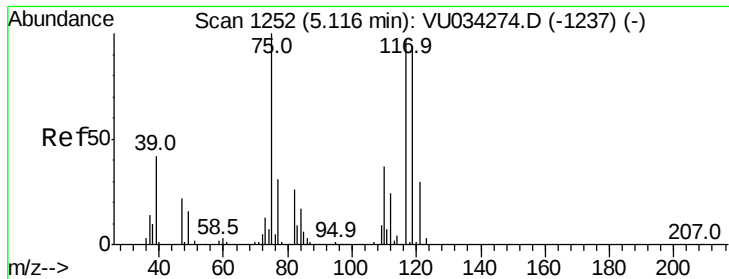
#35
 Dibromofluoromethane
 Concen: 39.294 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034317.D
 Acq: 06 Sep 2019 09:44

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.0	81.5	122.3
192	22.9	17.8	26.8



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: 4.094 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.15 min

Lab File: VU034317.D

Acq: 06 Sep 2019 09:44

Instrument :
MSVOA_U
ClientSampled :

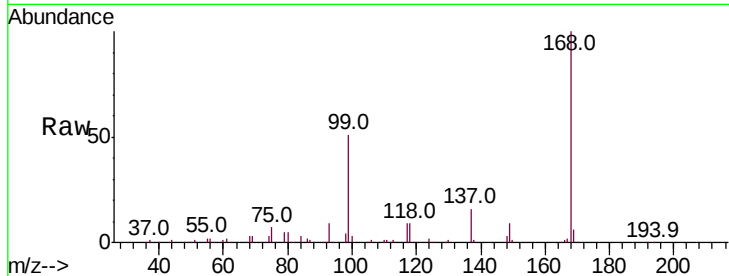
Tot Ion: 75 Resp: 27670

Ion Ratio Lower Upper

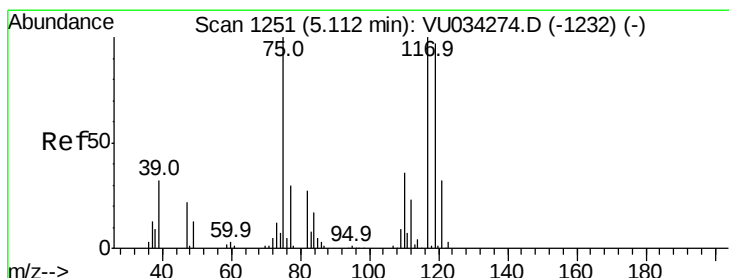
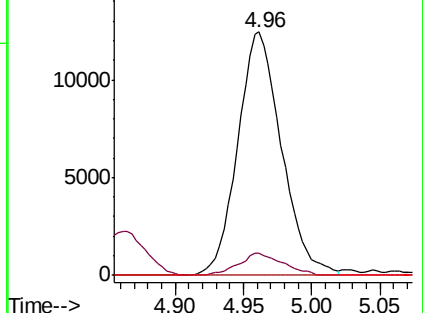
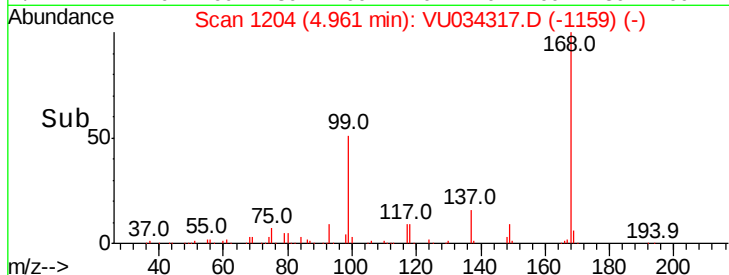
75 100

110 9.2 18.3 54.9#

77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VU034317.D (-1159) (-)



#38

Carbon Tetrachloride

Concen: 5.058 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.15 min

Lab File: VU034317.D

Acq: 06 Sep 2019 09:44

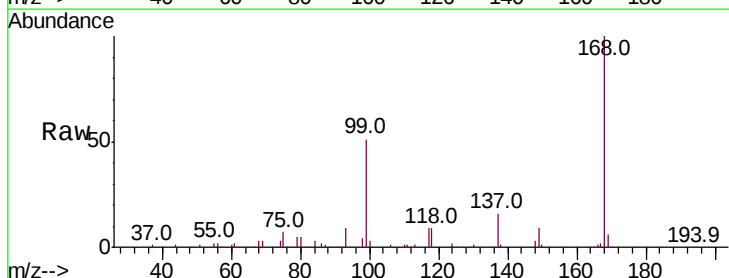
Tgt Ion: 117 Resp: 36502

Ion Ratio Lower Upper

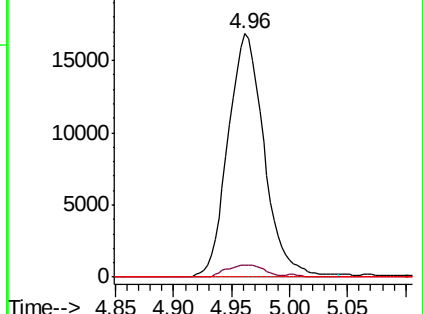
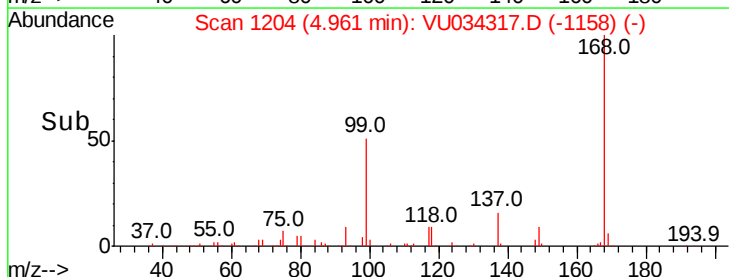
117 100

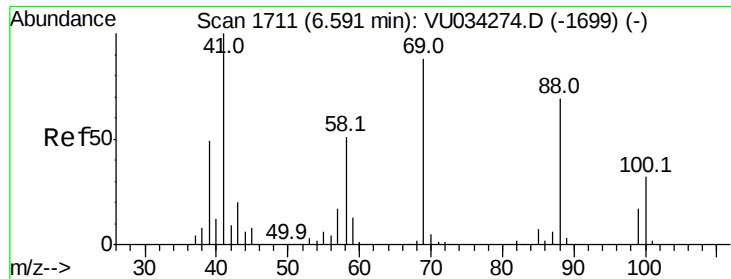
119 4.9 77.8 116.6#

121 0.0 25.2 37.8#



Abundance Ion 116.80 (116.50 to 117.50): VU034317.D (-1158) (-)





#49

1,4-Dioxane

Concen: 0.348 ug/l

RT: 6.62 min Scan# 1720

Delta R.T. 0.03 min

Lab File: VU034317.D

Acq: 06 Sep 2019 09:44

Instrument :
MSVOA_U
ClientSampled :

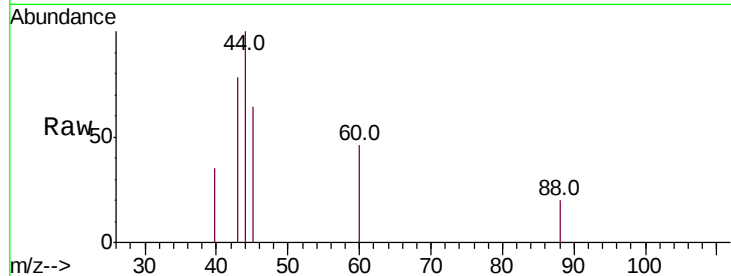
Tot Ion: 88 Resp: 45

Ion Ratio Lower Upper

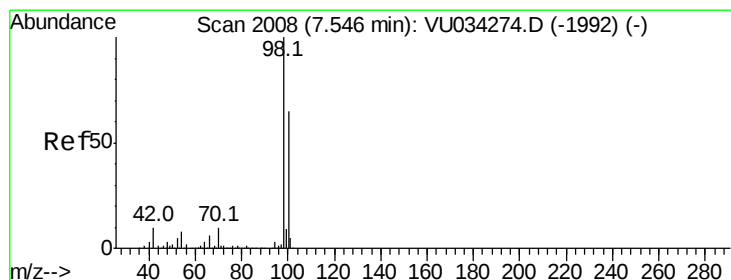
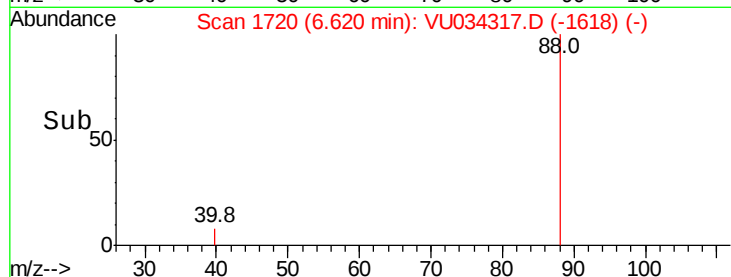
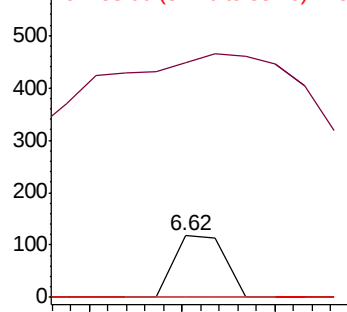
88 100

43 602.2 23.8 35.6#

58 0.0 58.4 87.6#



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: 41.066 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. -0.00 min

Lab File: VU034317.D

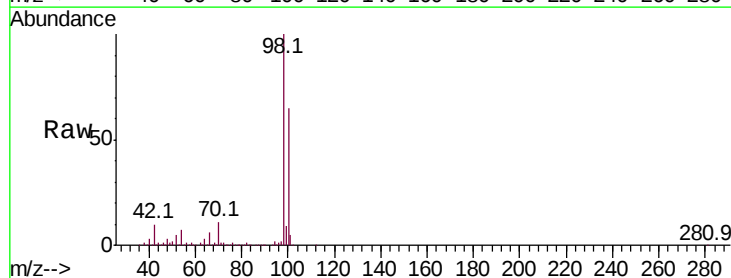
Acq: 06 Sep 2019 09:44

Tgt Ion: 98 Resp: 894729

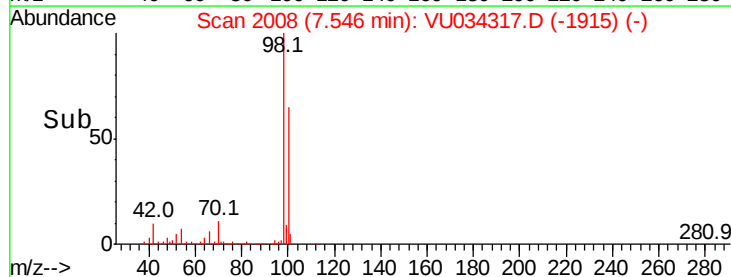
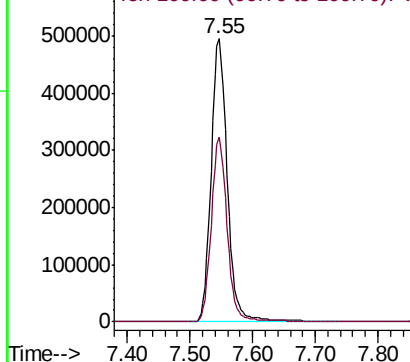
Ion Ratio Lower Upper

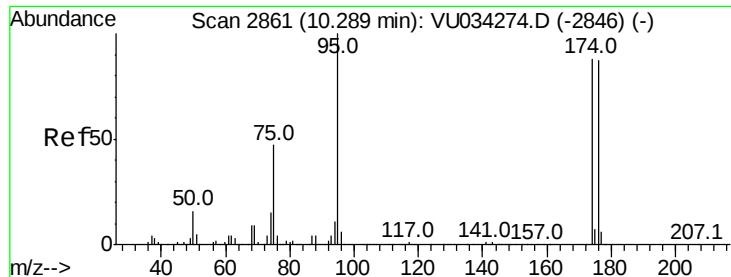
98 100

100 64.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

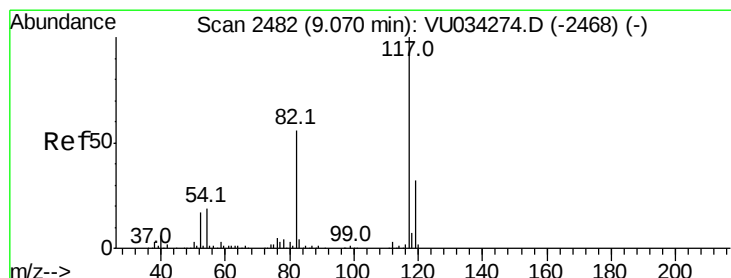
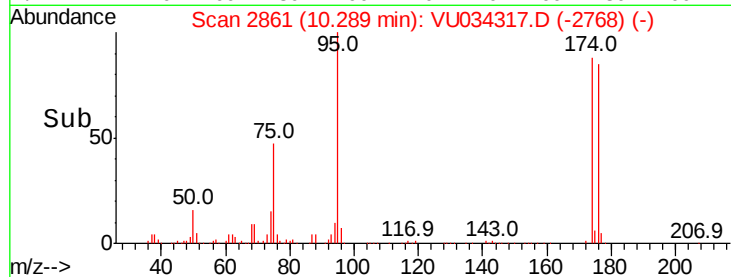
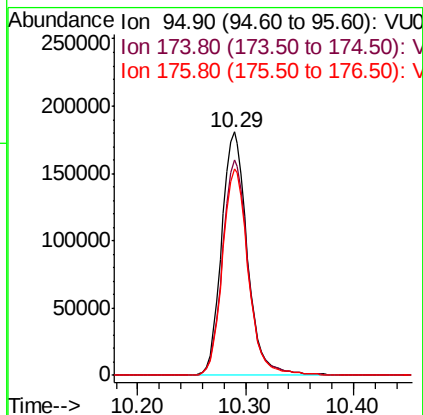
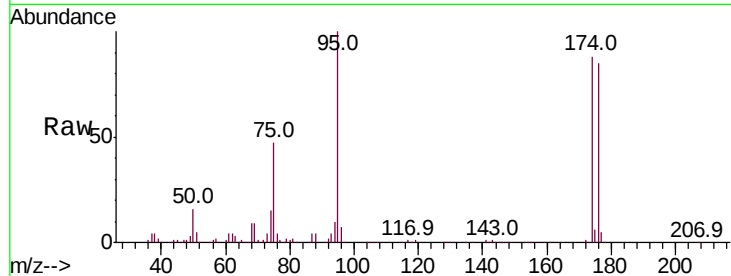




#62
4-Bromofluorobenzene
Concen: 35.765 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. -0.00 min
Lab File: VU034317.D
Acq: 06 Sep 2019 09:44

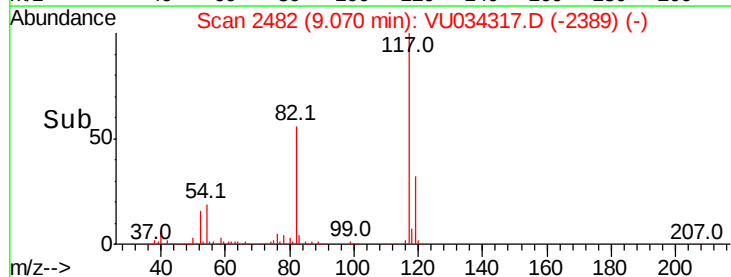
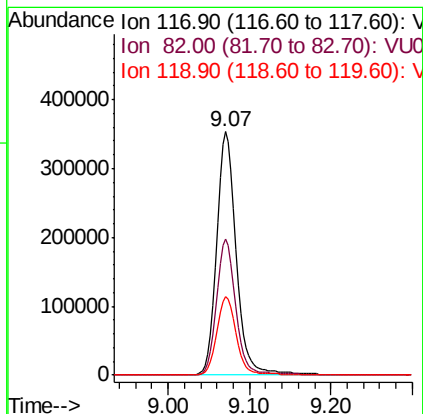
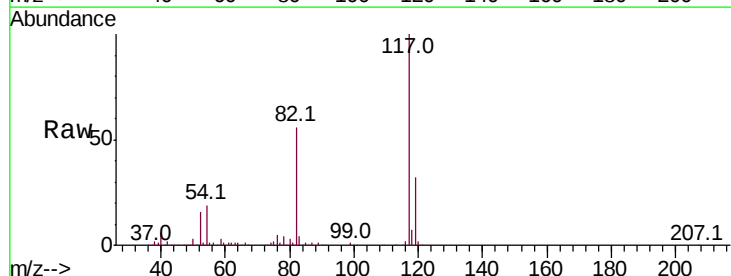
Instrument :
MSVOA_U
ClientSampled :

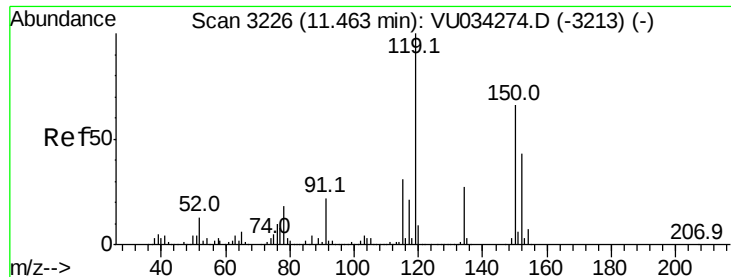
Tot Ion	Ratio	Lower	Upper
95	100		
174	88.4	0.0	175.2
176	85.3	0.0	168.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU034317.D
Acq: 06 Sep 2019 09:44

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.9	44.6	67.0
119	32.1	25.9	38.9



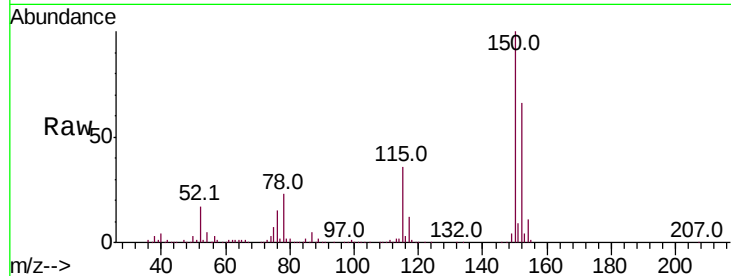


#72

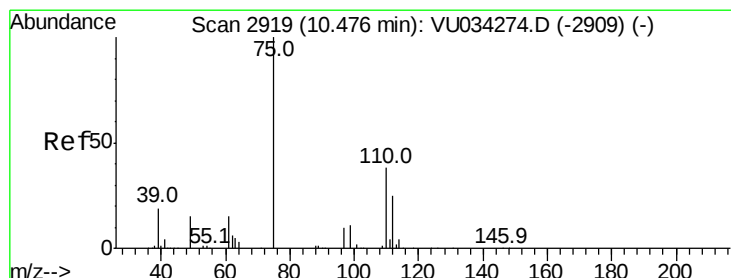
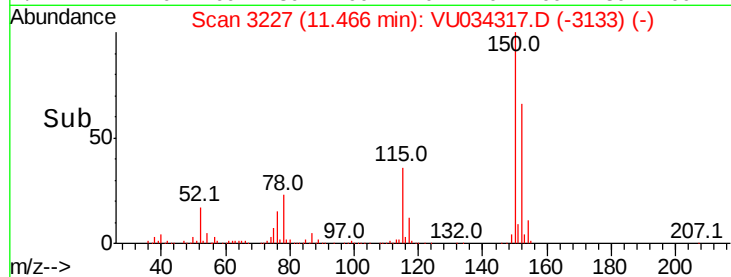
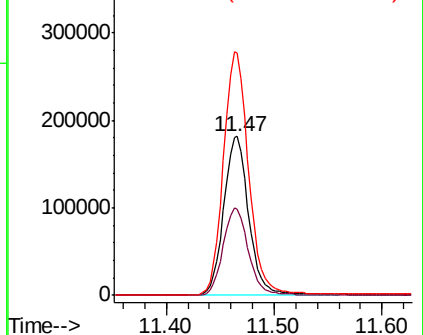
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.47 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VU034317.D
Acq: 06 Sep 2019 09:44

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.7	39.1	117.3
150	154.5	0.0	345.4



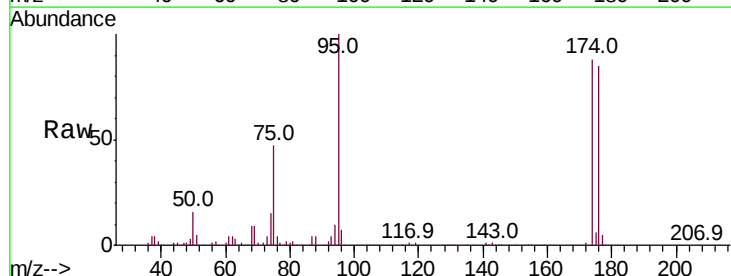
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



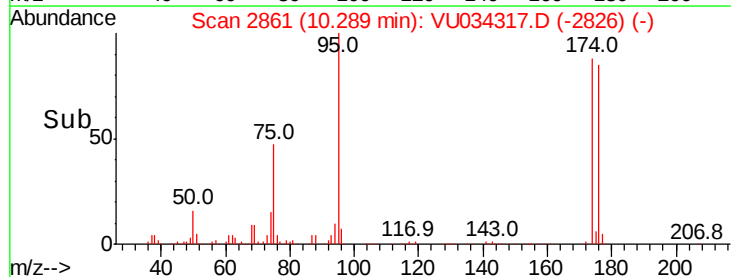
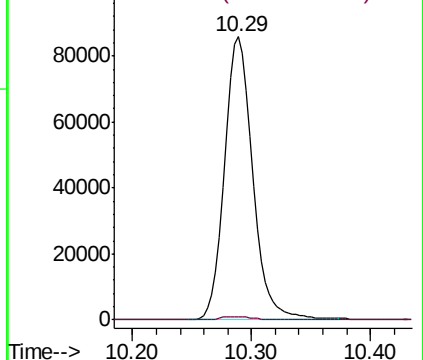
#76

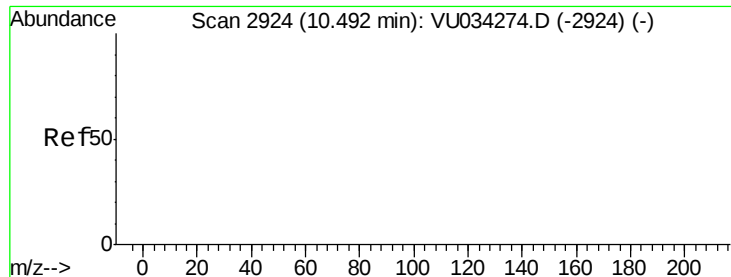
1,2,3-Trichloropropane
Concen: 21.999 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. -0.19 min
Lab File: VU034317.D
Acq: 06 Sep 2019 09:44

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	20.8	62.2



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

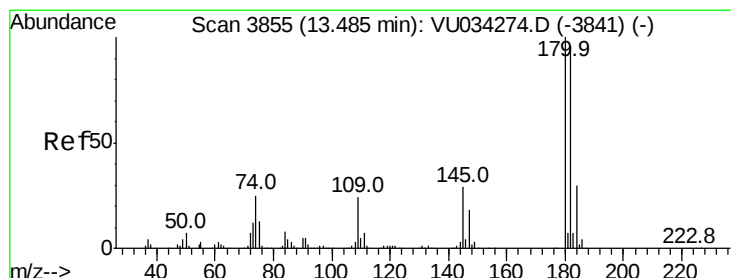
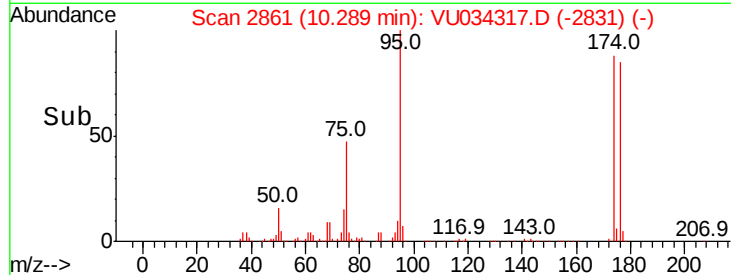
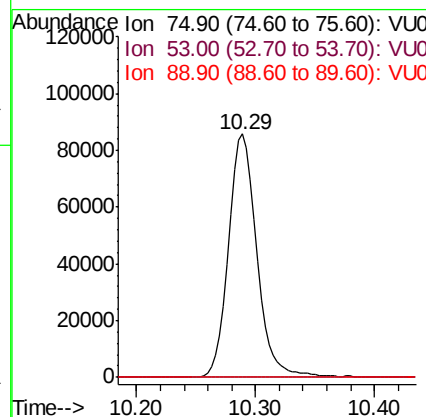
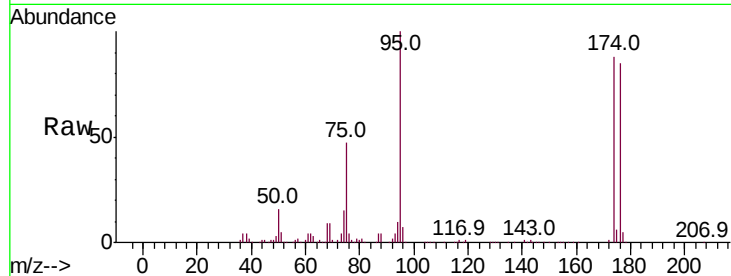




#81
trans-1,4-Dichloro-2-butene
Concen: 73.983 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. -0.20 min
Lab File: VU034317.D
Acq: 06 Sep 2019 09:44

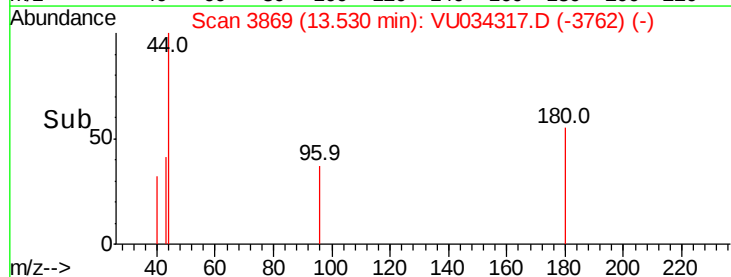
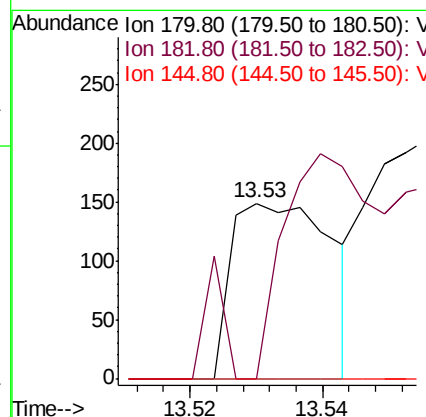
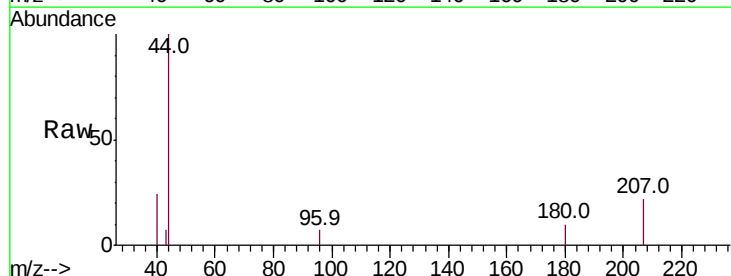
Instrument :
MSVOA_U
ClientSampled :

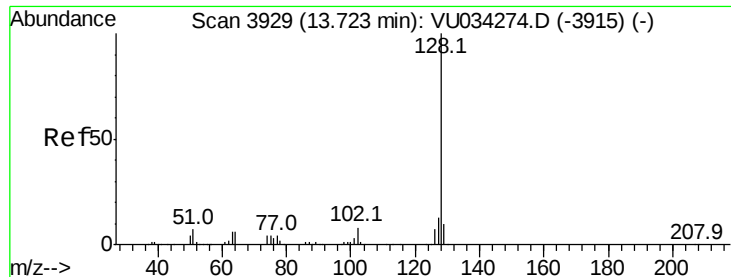
Tot Ion: 75 Resp: 141430
Ion Ratio Lower Upper
75 100
53 0.1 0.0 0.0#
89 0.0 0.0 0.0



#93
1,2,4-Trichlorobenzene
Concen: 3.473 ug/l
RT: 13.53 min Scan# 3869
Delta R.T. 0.05 min
Lab File: VU034317.D
Acq: 06 Sep 2019 09:44

Tgt Ion:180 Resp: 157
Ion Ratio Lower Upper
180 100
182 12.7 47.9 143.8#
145 0.0 14.4 43.0#

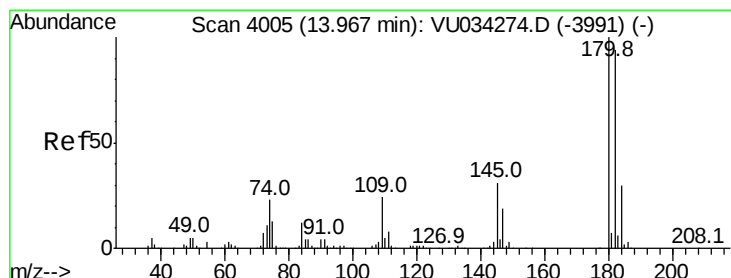
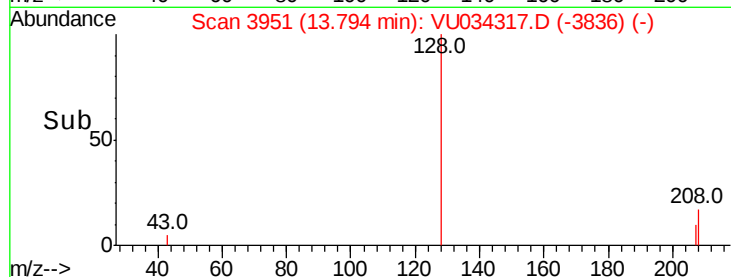
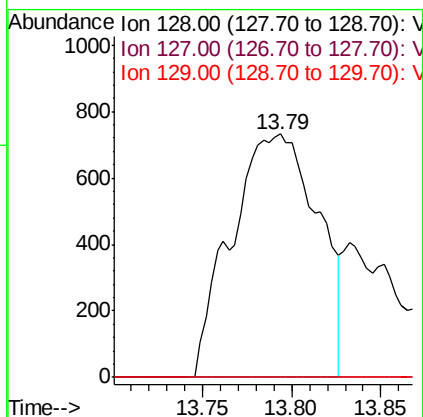
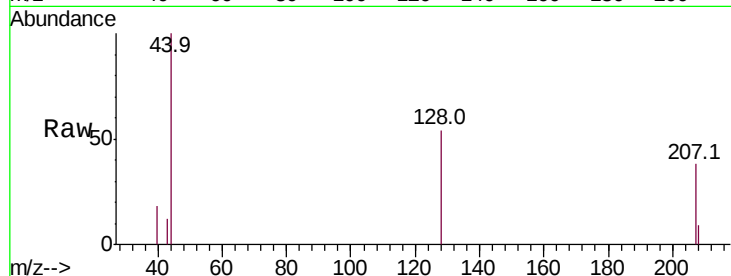




#95
Naphthalene
Concen: 4.082 ug/l
RT: 13.79 min Scan# 3951
Delta R.T. 0.07 min
Lab File: VU034317.D
Acq: 06 Sep 2019 09:44

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 2479
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.4 12.6#



#96
1,2,3-Trichlorobenzene
Concen: 2.729 ug/l
RT: 14.01 min Scan# 4018
Delta R.T. 0.04 min
Lab File: VU034317.D
Acq: 06 Sep 2019 09:44

Tgt Ion:180 Resp: 645
Ion Ratio Lower Upper
180 100
182 52.9 48.4 145.0
145 0.0 15.4 46.4#

