

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091219\
 Data File : VU034528.D
 Acq On : 12 Sep 2019 18:23
 Operator : JC/SP
 Sample : K4756-20
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-GMW-5S-R-M27W1-090519

Quant Time: Sep 13 07:12:40 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	254960	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	384858	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	393571	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	226604	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	221431	57.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.80%	
35) Dibromofluoromethane	4.86	113	190555	53.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.42%	
50) Toluene-d8	7.54	98	706742	52.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.06%	
62) 4-Bromofluorobenzene	10.29	95	237327	45.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.38%	

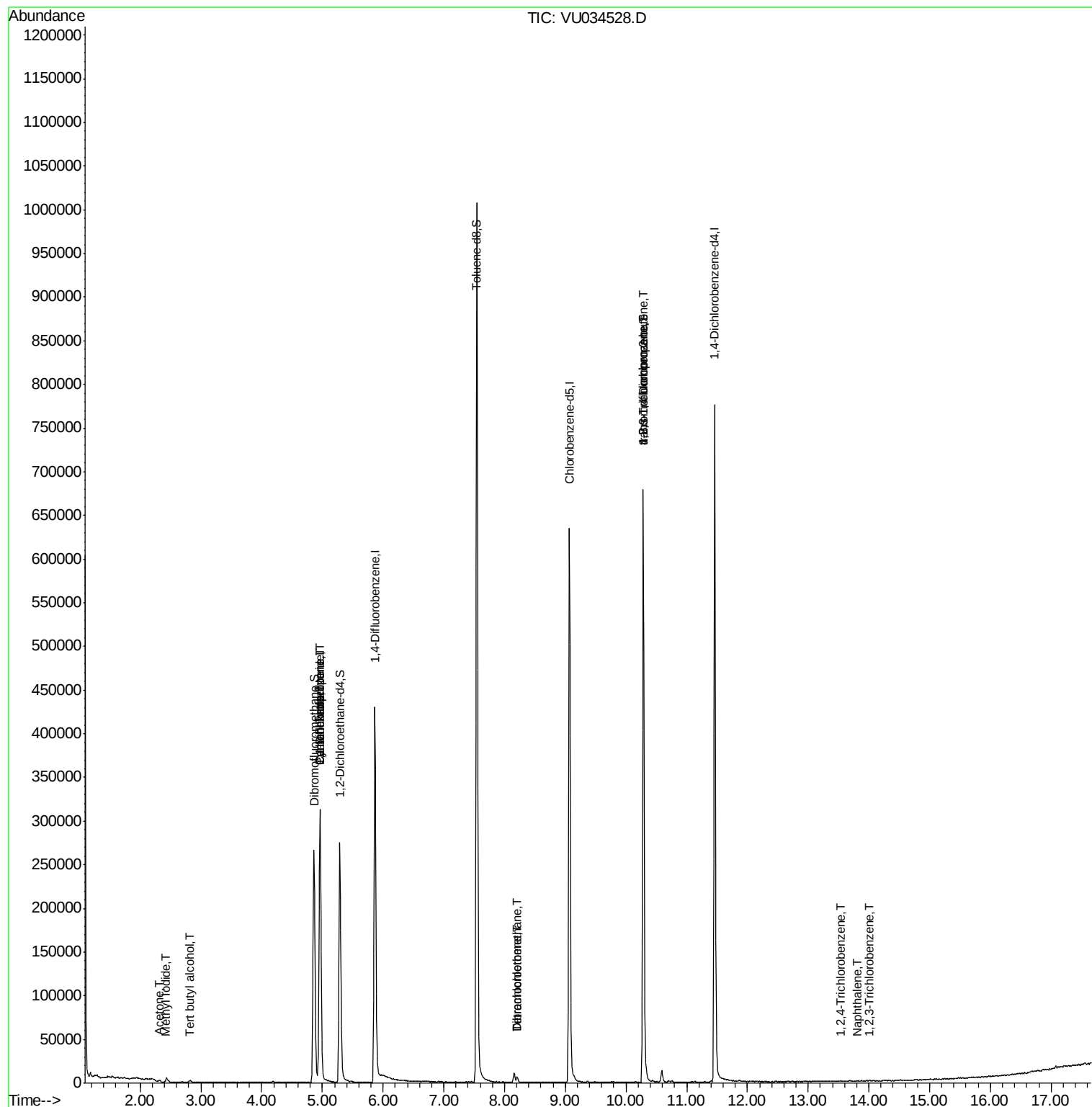
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	598	Below Cal		95
6) Chloroethane	1.70	64	124	Below Cal	#	43
10) Methyl Iodide	2.41	142	403	3.984	ug/l #	63
11) Tert butyl alcohol	2.83	59	1424	1.747	ug/l #	73
16) Acetone	2.32	43	1819	0.911	ug/l #	87
20) Methylene Chloride	2.69	84	313	Below Cal	#	78
31) Cyclohexane	4.96	56	4080	0.903	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	18114	4.340	ug/l #	48
38) Carbon Tetrachloride	4.96	117	22975	5.155	ug/l #	17
60) Dibromochloromethane	8.21	129	1403	0.341	ug/l #	12
64) Tetrachloroethene	8.21	164	1553	0.455	ug/l #	89
76) 1,2,3-Trichloropropane	10.29	75	113911	23.029	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.29	75	113911	77.446	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.54	180	42	3.459	ug/l #	1
95) Naphthalene	13.79	128	626	4.004	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.00	180	161	2.668	ug/l #	1

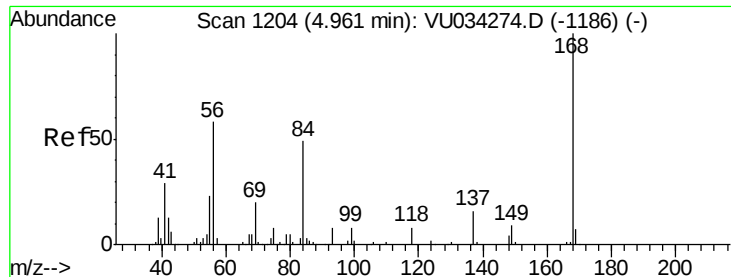
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CPA-GMW-5S-R-M27W1-090519

Quant Time: Sep 13 07:12:40 2019
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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: VU034528.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_U

ClientSampleId :

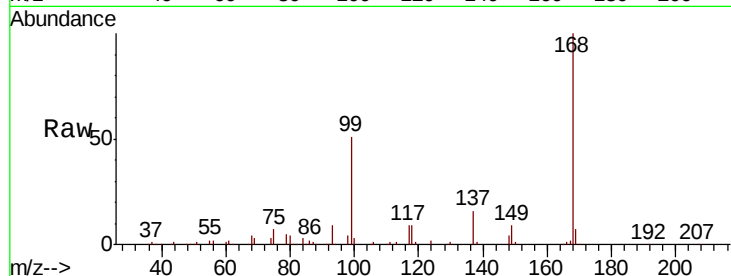
CPA-GMW-5S-R-M27W1-090519

Tgt Ion:168 Resp: 254960

Ion Ratio Lower Upper

168 100

99 51.4 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

120000

100000

80000

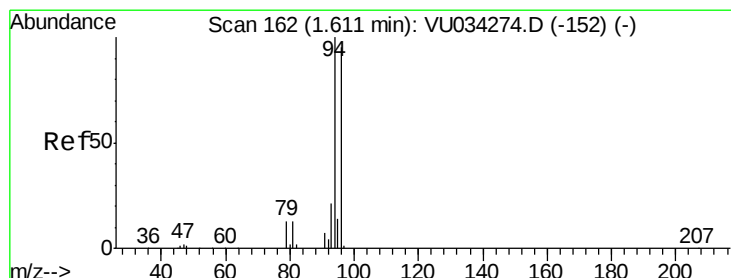
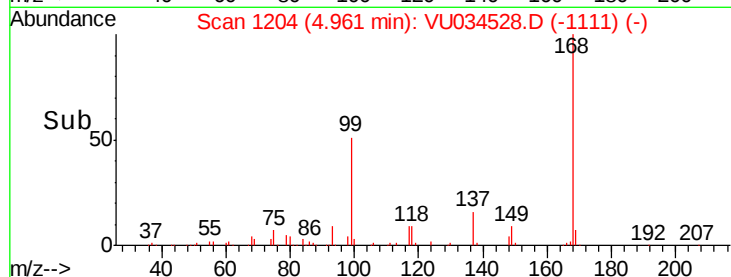
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 168

Delta R.T. 0.02 min

Lab File: VU034528.D

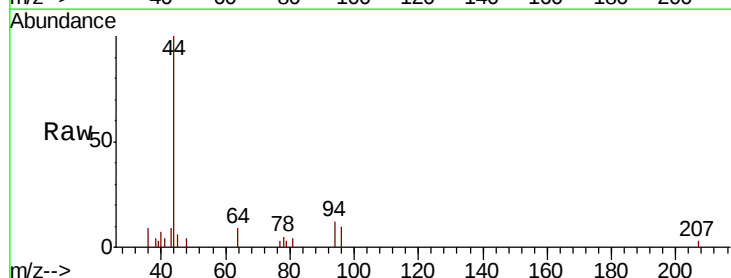
Acq: 12 Sep 2019 18:23

Tgt Ion: 94 Resp: 598

Ion Ratio Lower Upper

94 100

96 89.4 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

400

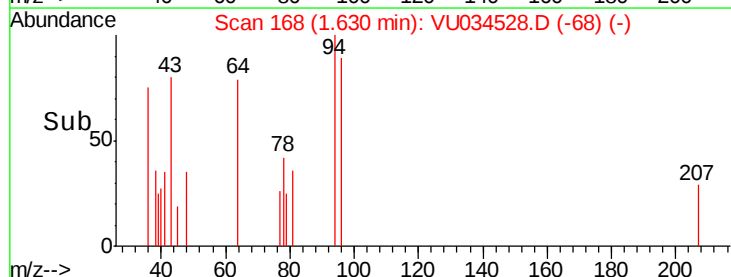
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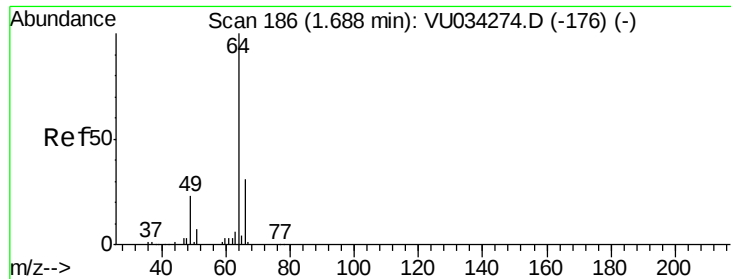
200

100

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 191

Delta R.T. 0.02 min

Lab File: VU034528.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_U

ClientSampleId :

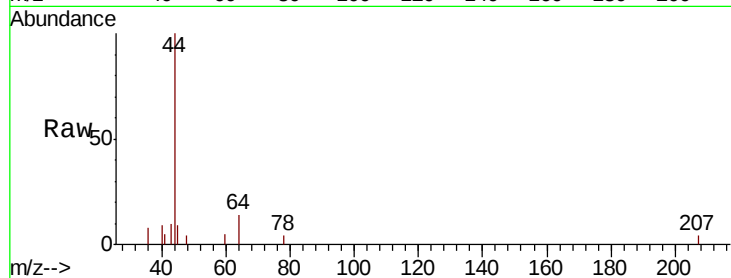
CPA-GMW-5S-R-M27W1-090519

Tgt Ion: 64 Resp: 124

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#



Abundance Ion 63.90 (63.60 to 64.60): VU034528.D (-176) (-)

Ion 65.90 (65.60 to 66.60): VU034528.D (-176) (-)

1.70

400

300

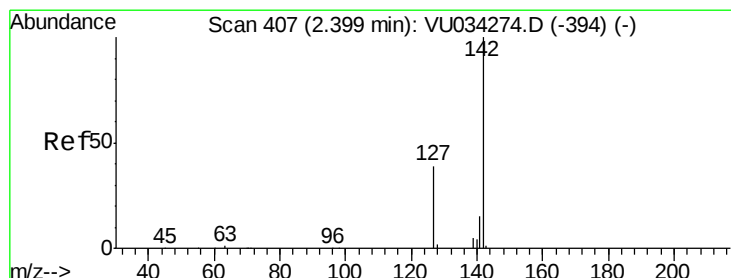
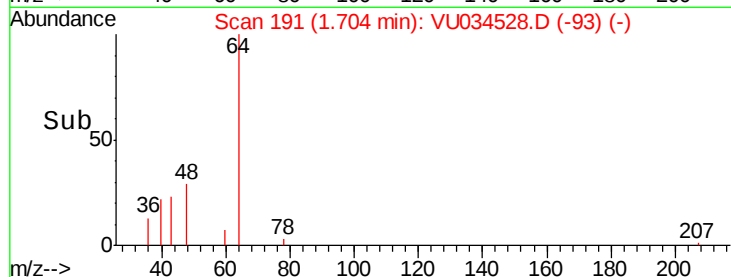
200

100

0

1.69 1.70 1.71 1.72

Time-->



#10

Methyl Iodide

Concen: 3.984 ug/l

RT: 2.41 min Scan# 409

Delta R.T. 0.01 min

Lab File: VU034528.D

Acq: 12 Sep 2019 18:23

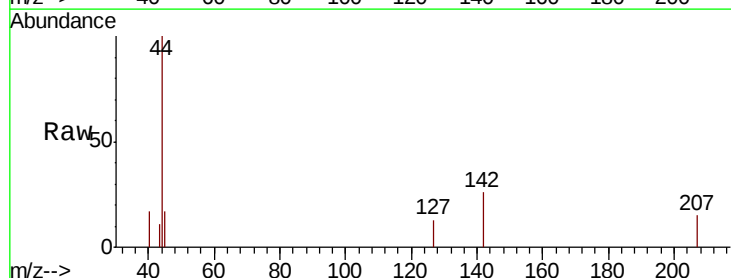
Tgt Ion: 142 Resp: 403

Ion Ratio Lower Upper

142 100

127 16.9 32.1 48.1#

141 0.0 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): VU034528.D (-394) (-)

Ion 126.80 (126.50 to 127.50): VU034528.D (-394) (-)

Ion 140.80 (140.50 to 141.50): VU034528.D (-394) (-)

2.41

300

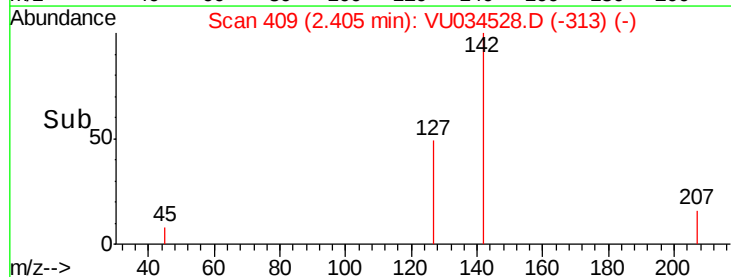
200

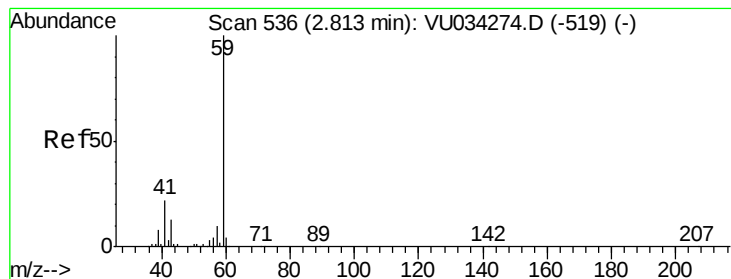
100

0

2.38 2.40 2.42 2.44

Time-->





#11

Tert butyl alcohol

Concen: 1.747 ug/l

RT: 2.83 min Scan# 540

Delta R.T. 0.01 min

Lab File: VU034528.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_U

ClientSampleId :

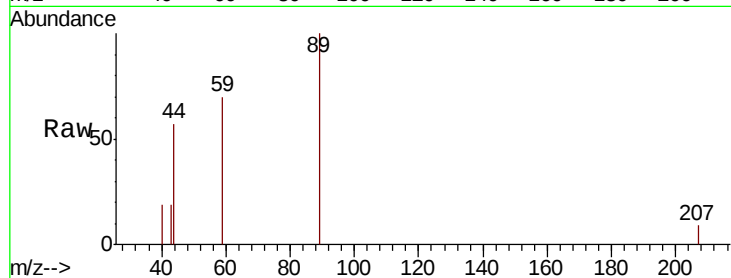
CPA-GMW-5S-R-M27W1-090519

Tgt Ion: 59 Resp: 1424

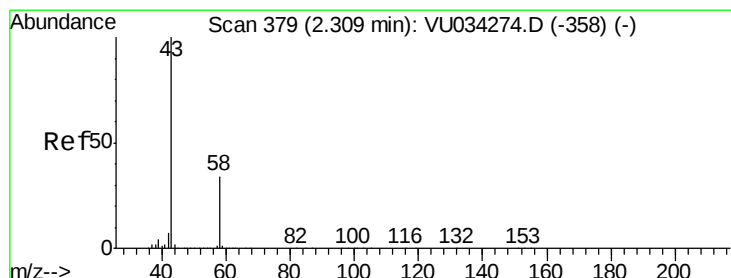
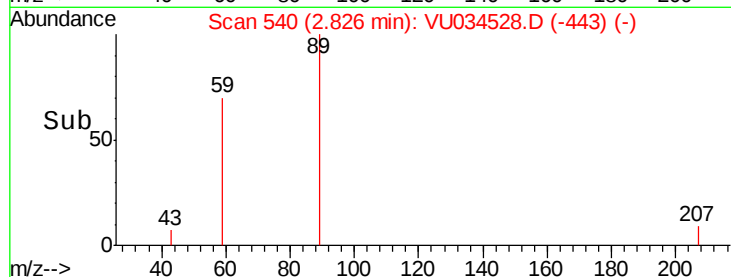
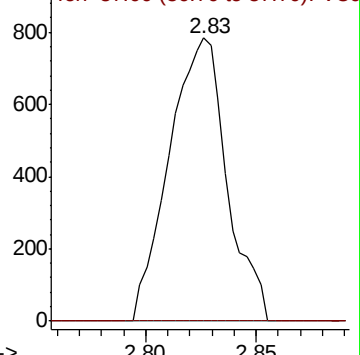
Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VU034528.D (-443) (-)



#16

Acetone

Concen: 0.911 ug/l

RT: 2.32 min Scan# 381

Delta R.T. 0.01 min

Lab File: VU034528.D

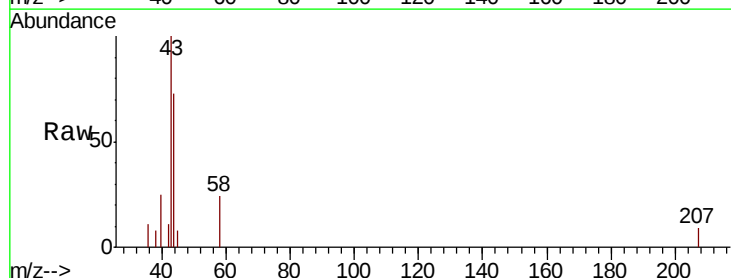
Acq: 12 Sep 2019 18:23

Tgt Ion: 43 Resp: 1819

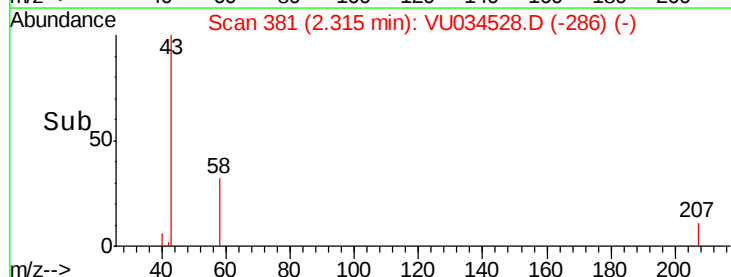
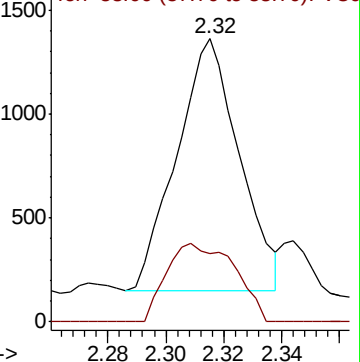
Ion Ratio Lower Upper

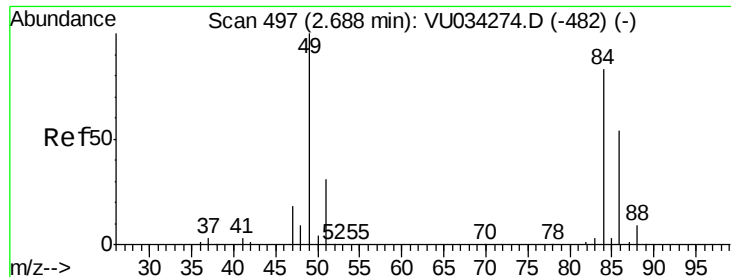
43 100

58 27.3 27.6 41.4#



Abundance Ion 43.00 (42.70 to 43.70): VU034528.D (-286) (-)

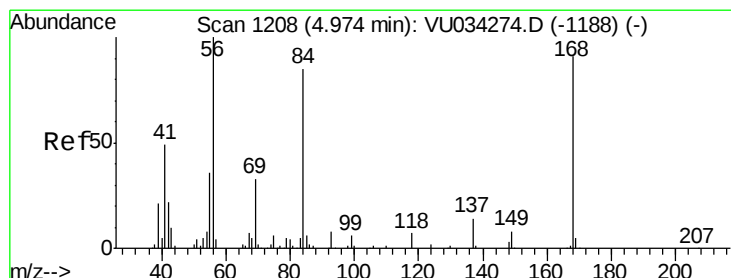
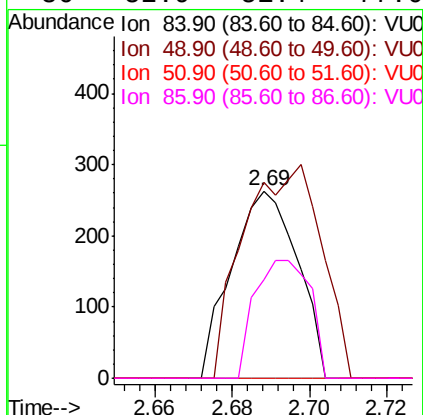
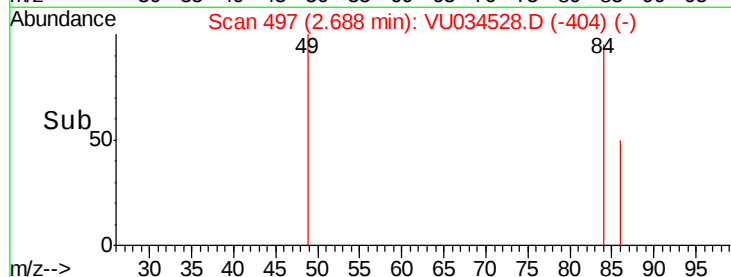
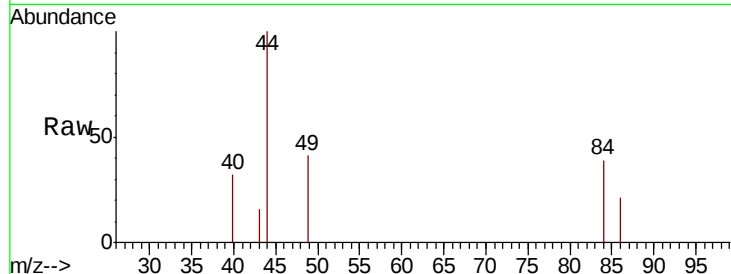




#20
Methylene Chloride
Concen: Below Cal
RT: 2.69 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU034528.D
Acq: 12 Sep 2019 18:23

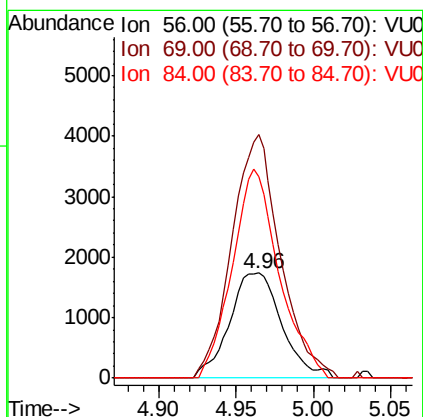
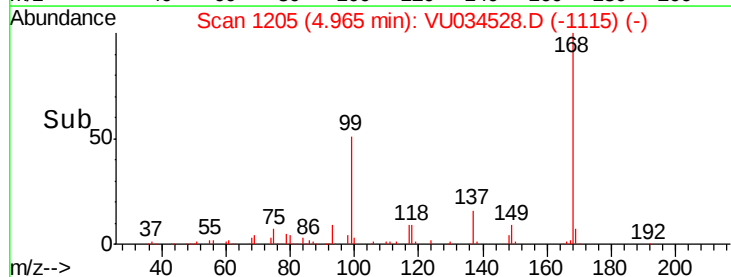
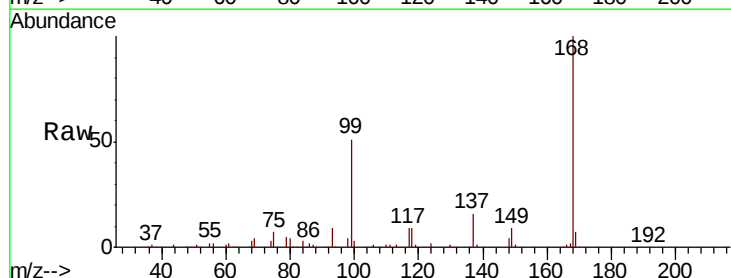
Instrument :
MSVOA_U
ClientSampleId :
CPA-GMW-5S-R-M27W1-090519

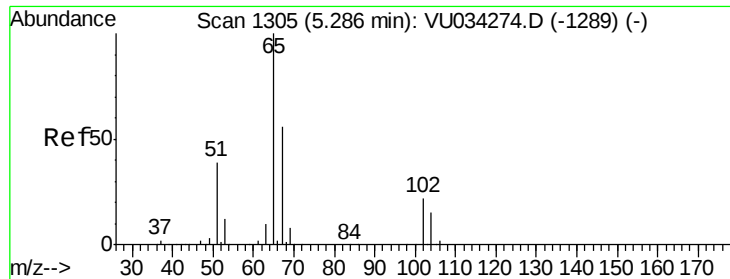
Tgt Ion: 84 Resp: 313
Ion Ratio Lower Upper
84 100
49 104.9 96.0 144.0
51 0.0 30.0 45.0#
86 52.9 51.4 77.0



#31
Cyclohexane
Concen: 0.903 ug/l
RT: 4.96 min Scan# 1205
Delta R.T. -0.01 min
Lab File: VU034528.D
Acq: 12 Sep 2019 18:23

Tgt Ion: 56 Resp: 4080
Ion Ratio Lower Upper
56 100
69 231.7 26.7 40.1#
84 191.3 68.2 102.4#

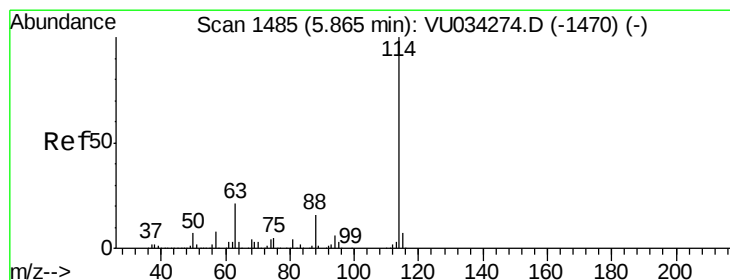
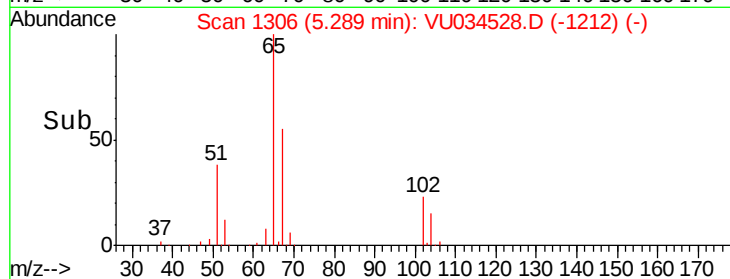
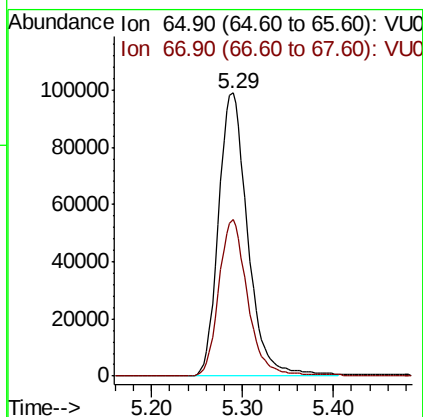
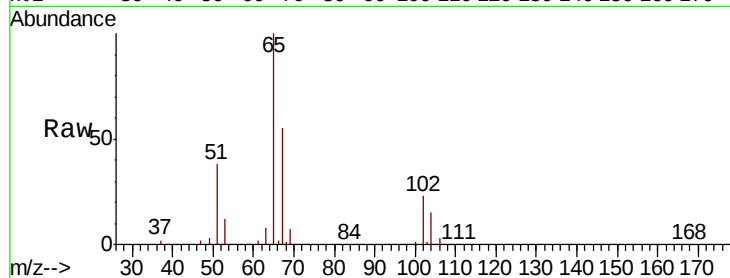




#33
 1,2-Dichloroethane-d4
 Concen: 57.401 ug/l
 RT: 5.29 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU034528.D
 Acq: 12 Sep 2019 18:23

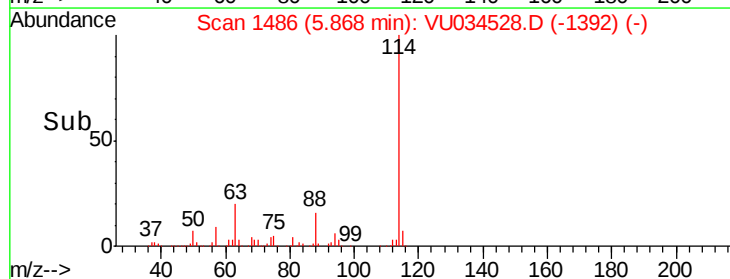
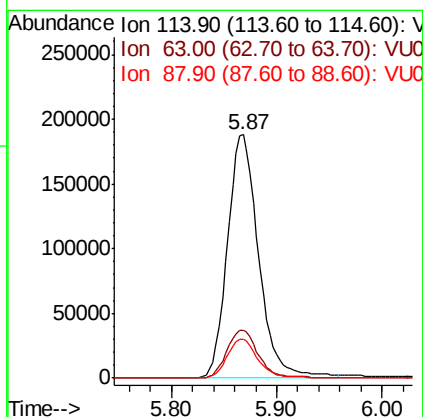
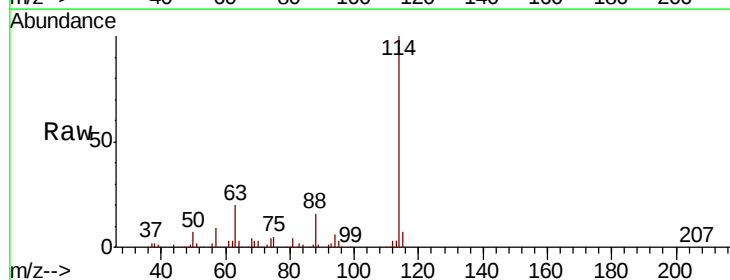
Instrument :
 MSVOA_U
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 CPA-GMW-5S-R-M27W1-090519

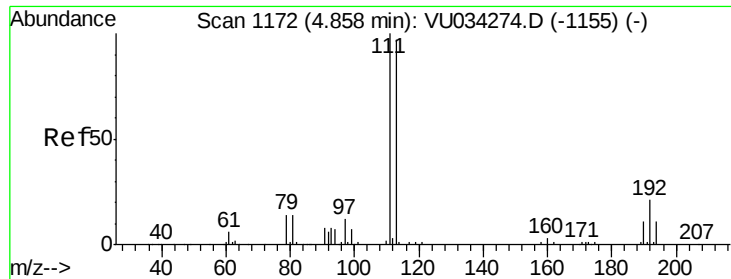
Tgt Ion: 65 Resp: 221431
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 112.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034528.D
 Acq: 12 Sep 2019 18:23

Tgt Ion: 114 Resp: 384858
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 42.4
 88 16.2 0.0 32.4

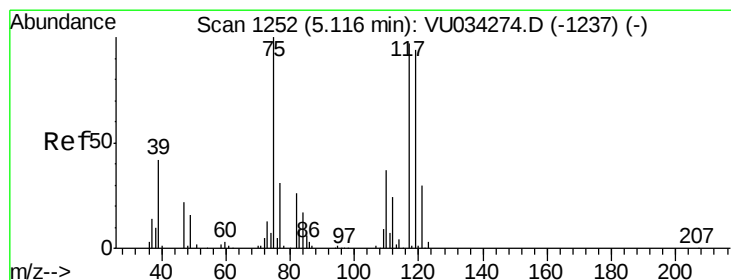
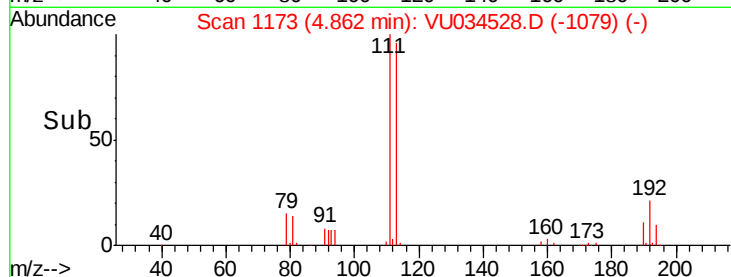
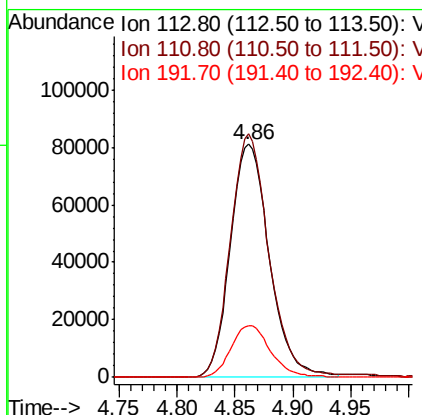
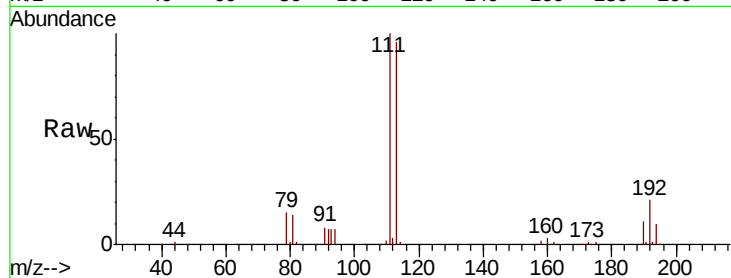




#35
 Dibromofluoromethane
 Concen: 53.211 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034528.D
 Acq: 12 Sep 2019 18:23

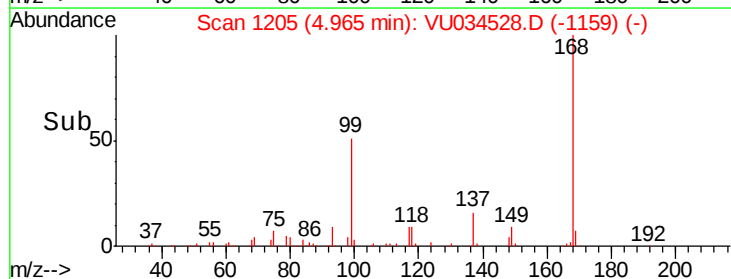
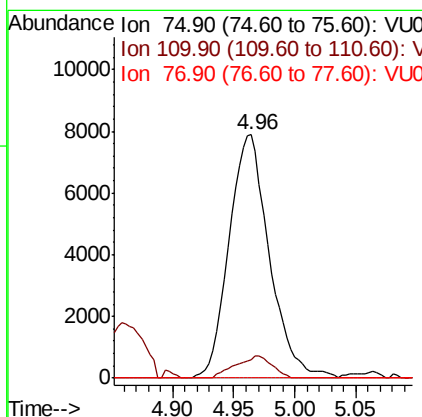
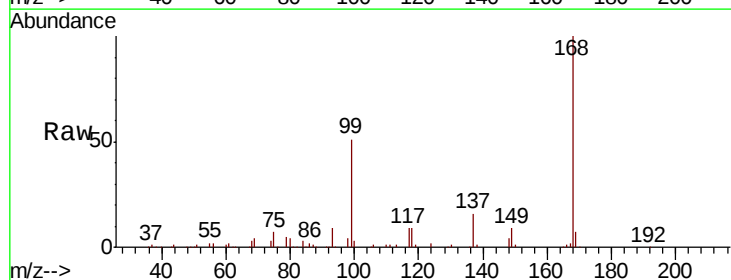
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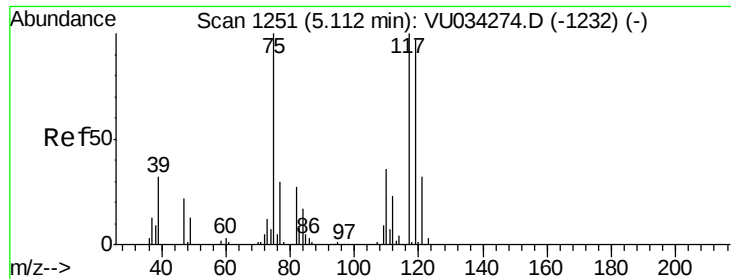
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.5	122.3
192	22.5	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 4.340 ug/l
 RT: 4.96 min Scan# 1205
 Delta R.T. -0.15 min
 Lab File: VU034528.D
 Acq: 12 Sep 2019 18:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	18.3	54.9#
77	0.0	24.9	37.3#

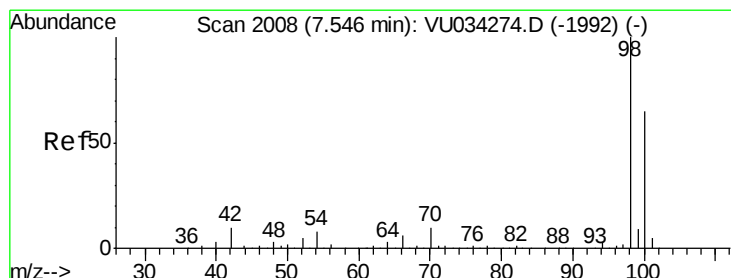
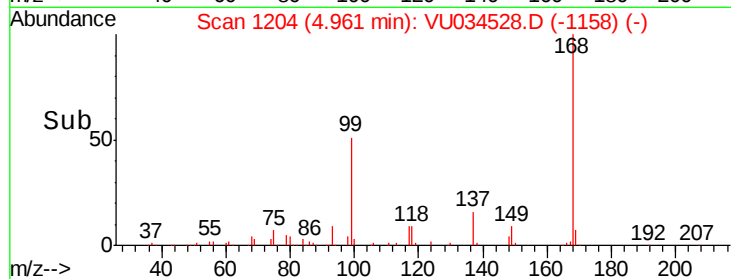
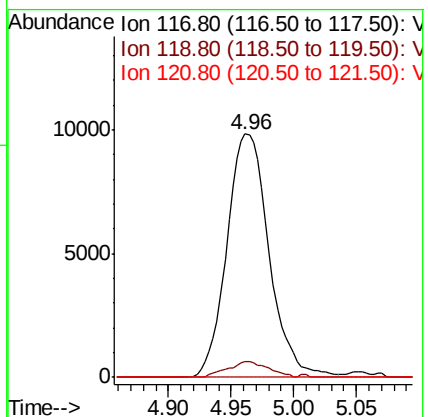
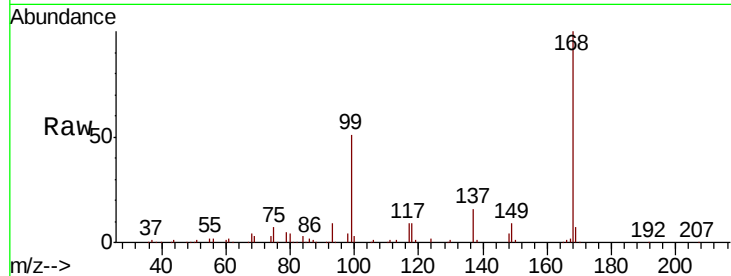




#38
Carbon Tetrachloride
Concen: 5.155 ug/l
RT: 4.96 min Scan# 1204
Delta R.T. -0.15 min
Lab File: VU034528.D
Acq: 12 Sep 2019 18:23

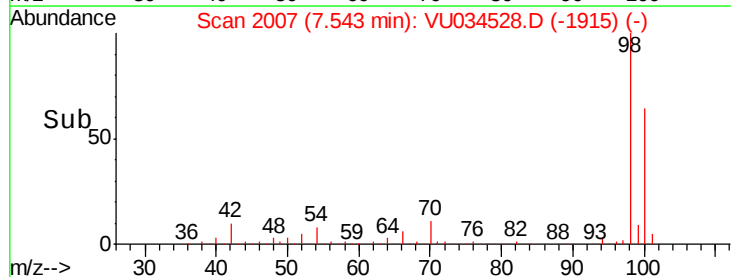
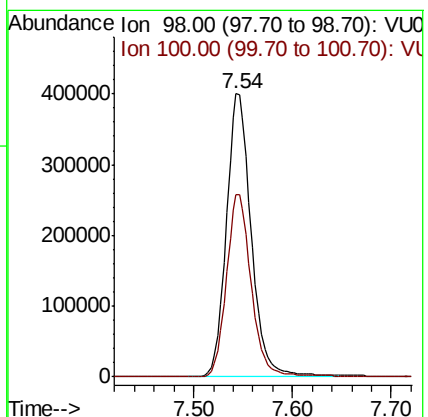
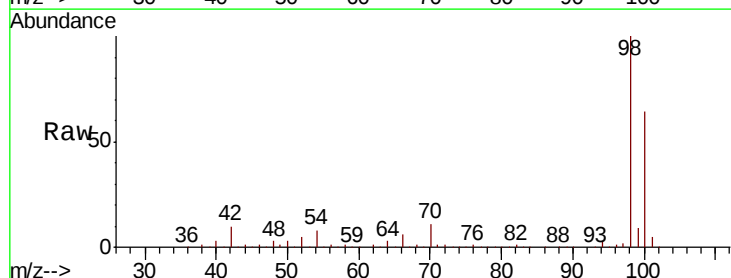
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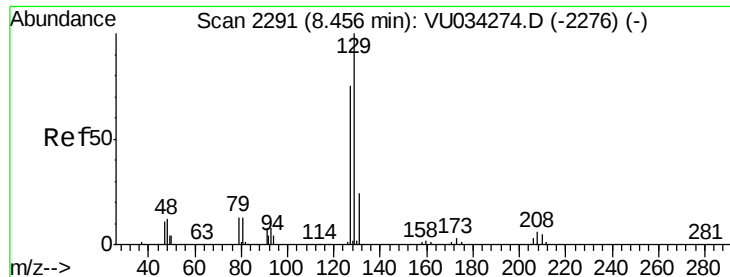
Tgt Ion:117 Resp: 22975
Ion Ratio Lower Upper
117 100
119 6.6 77.8 116.6#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 52.529 ug/l
RT: 7.54 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VU034528.D
Acq: 12 Sep 2019 18:23

Tgt Ion: 98 Resp: 706742
Ion Ratio Lower Upper
98 100
100 64.7 51.7 77.5





#60

Dibromochloromethane

Concen: 0.341 ug/l

RT: 8.21 min Scan# 2215

Delta R.T. -0.24 min

Lab File: VU034528.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_U

ClientSampleId :

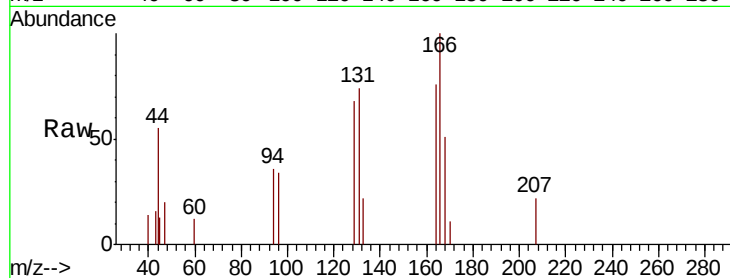
CPA-GMW-5S-R-M27W1-090519

Tgt Ion:129 Resp: 1403

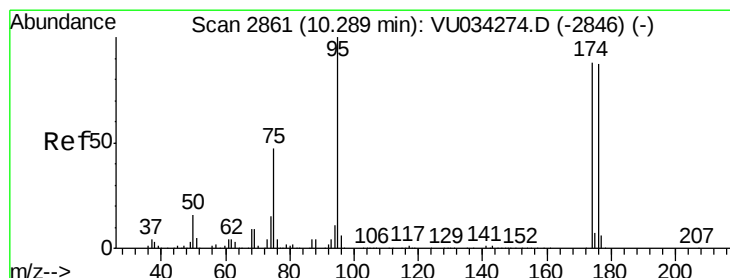
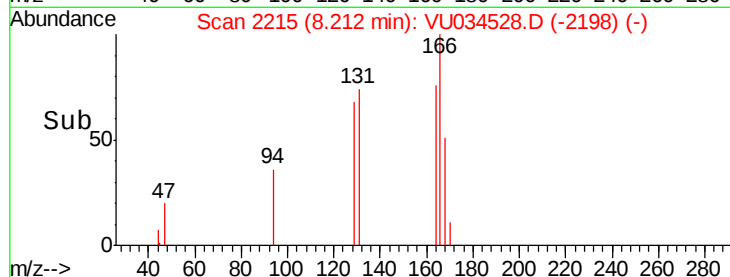
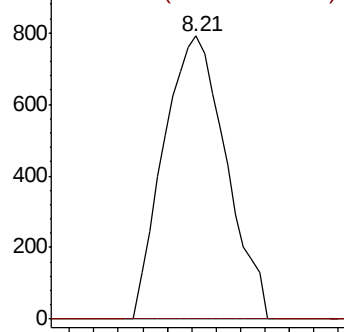
Ion Ratio Lower Upper

129 100

127 0.0 37.9 113.7#



Abundance Ion 128.80 (128.50 to 129.50): V



#62

4-Bromofluorobenzene

Concen: 45.687 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034528.D

Acq: 12 Sep 2019 18:23

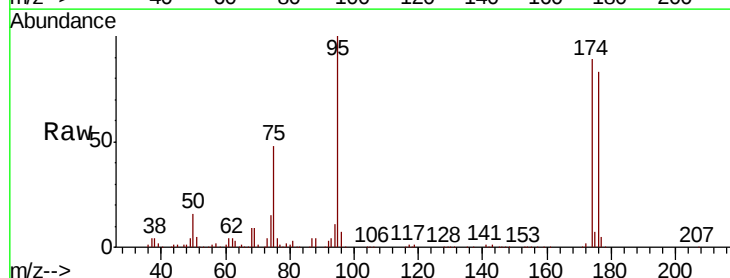
Tgt Ion: 95 Resp: 237327

Ion Ratio Lower Upper

95 100

174 90.0 0.0 175.2

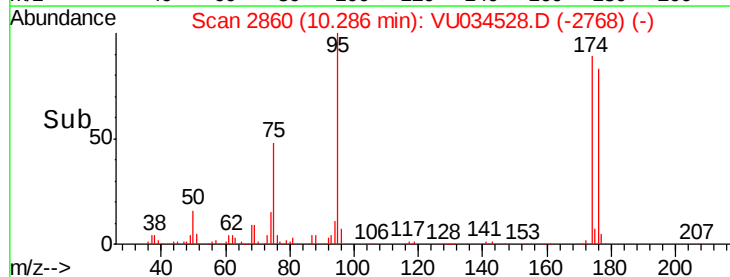
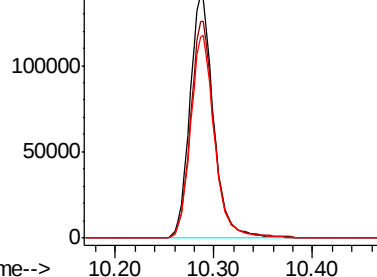
176 84.2 0.0 168.0

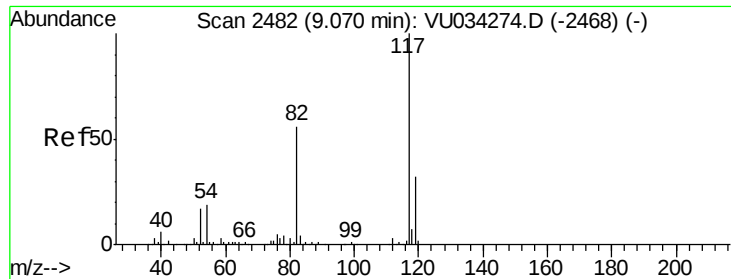


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

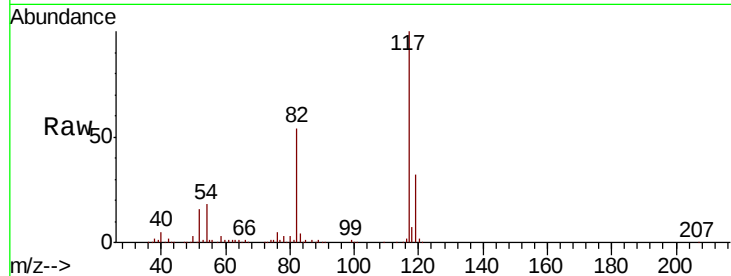




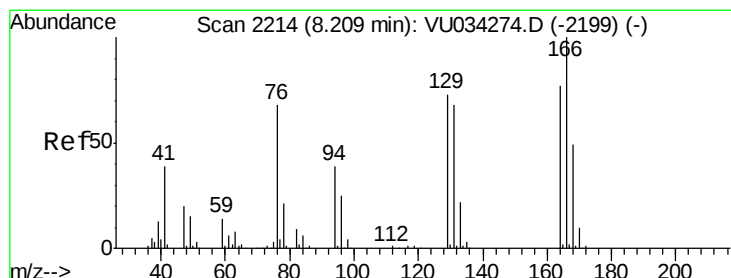
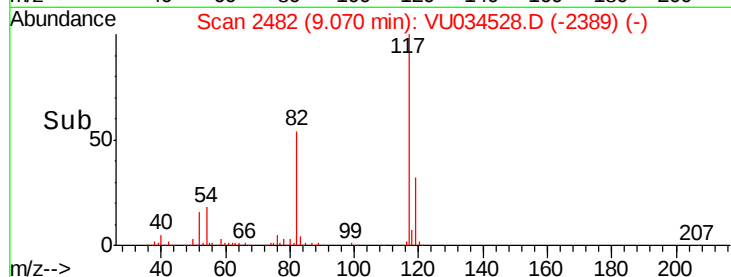
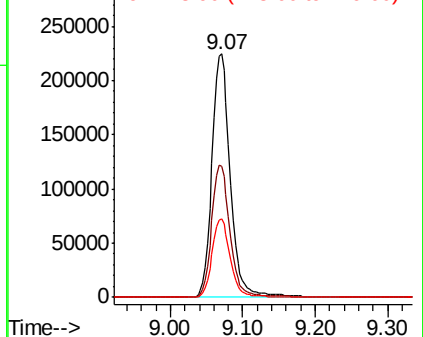
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034528.D
Acq: 12 Sep 2019 18:23

Instrument :
MSVOA_U
ClientSampleId :
CPA-GMW-5S-R-M27W1-090519

Tgt Ion:117 Resp: 393571
Ion Ratio Lower Upper
117 100
82 54.1 44.6 67.0
119 32.2 25.9 38.9

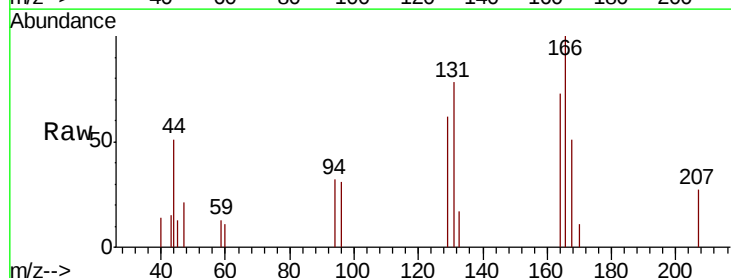


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

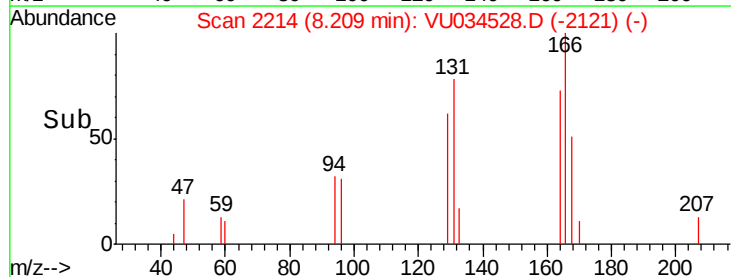
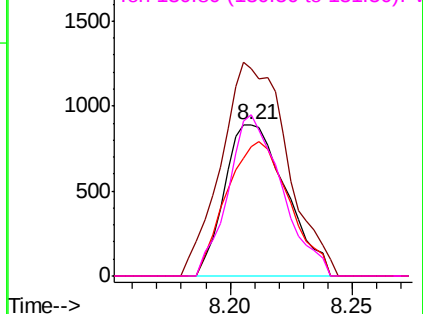


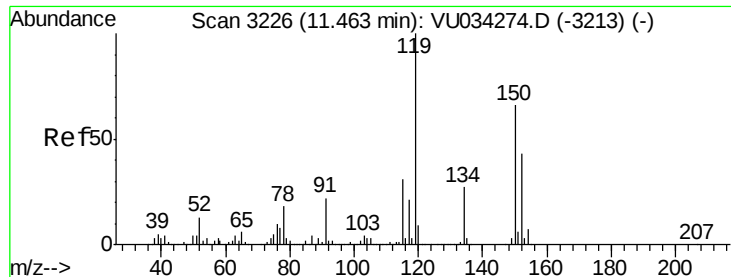
#64
Tetrachloroethene
Concen: 0.455 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034528.D
Acq: 12 Sep 2019 18:23

Tgt Ion:164 Resp: 1553
Ion Ratio Lower Upper
164 100
166 137.0 103.7 155.5
129 85.2 75.8 113.8
131 106.6 70.7 106.1#



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): 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: VU034528.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_U

ClientSampleId :

CPA-GMW-5S-R-M27W1-090519

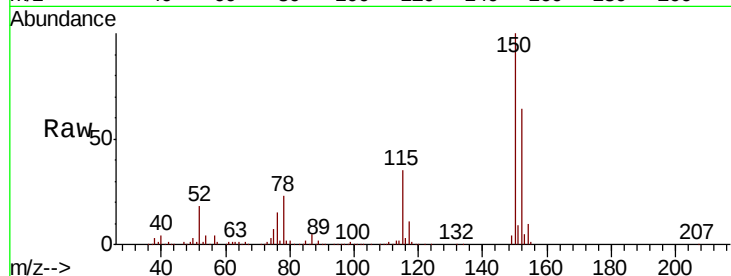
Tgt Ion:152 Resp: 226604

Ion Ratio Lower Upper

152 100

115 56.0 39.1 117.3

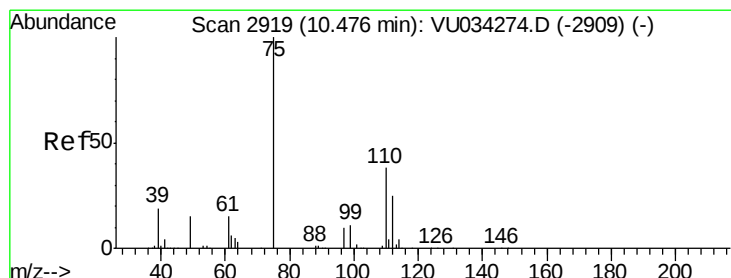
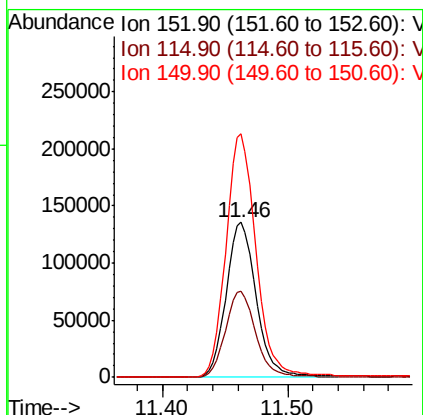
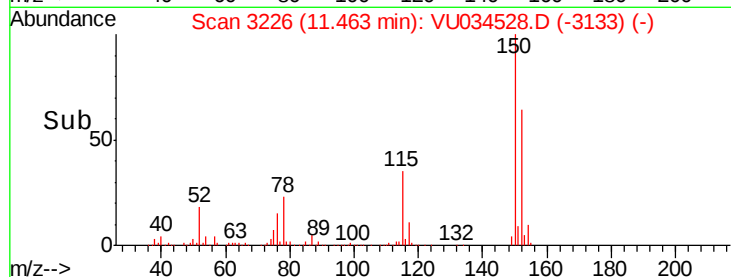
150 156.9 0.0 345.4



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: 23.029 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.19 min

Lab File: VU034528.D

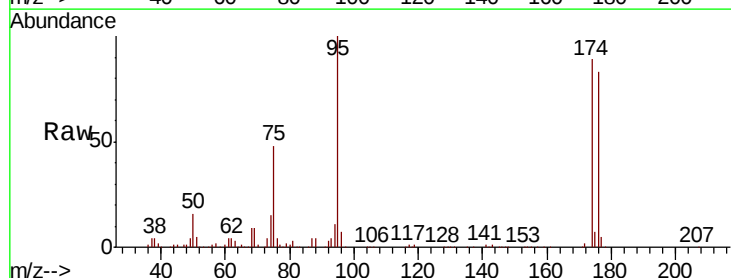
Acq: 12 Sep 2019 18:23

Tgt Ion: 75 Resp: 113911

Ion Ratio Lower Upper

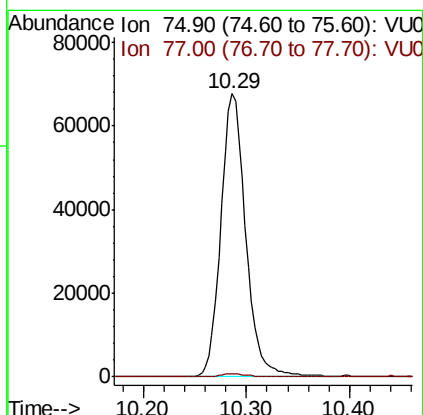
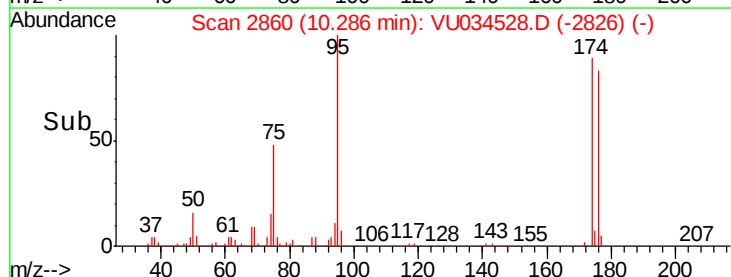
75 100

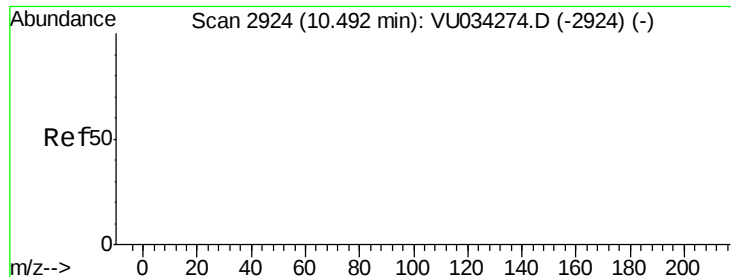
77 1.2 20.8 62.2#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

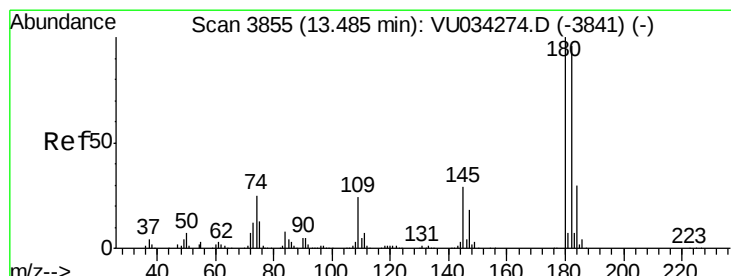
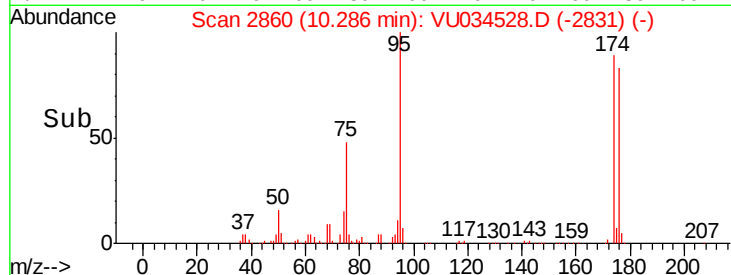
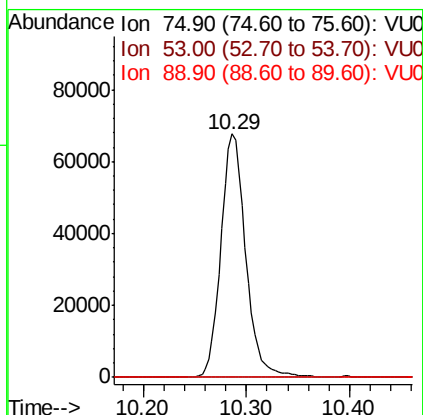
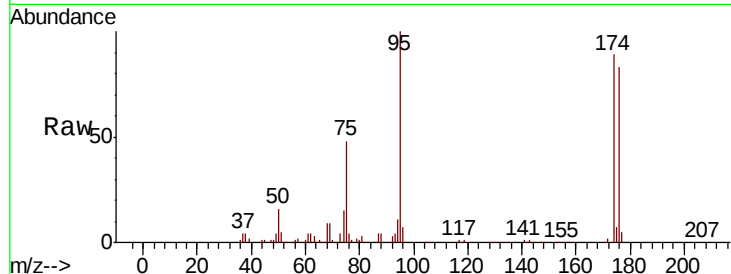




#81
trans-1,4-Dichloro-2-butene
Concen: 77.446 ug/l
RT: 10.29 min Scan# 2860
Delta R.T. -0.21 min
Lab File: VU034528.D
Acq: 12 Sep 2019 18:23

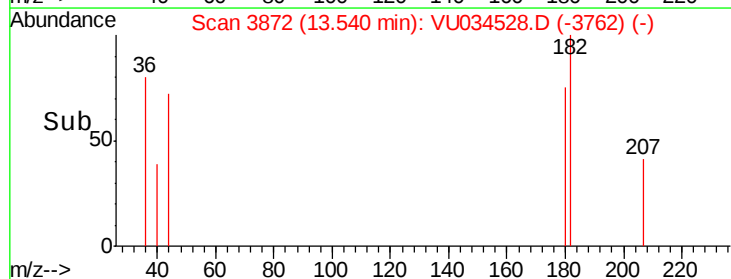
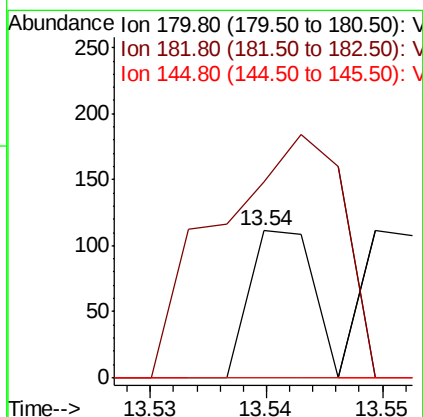
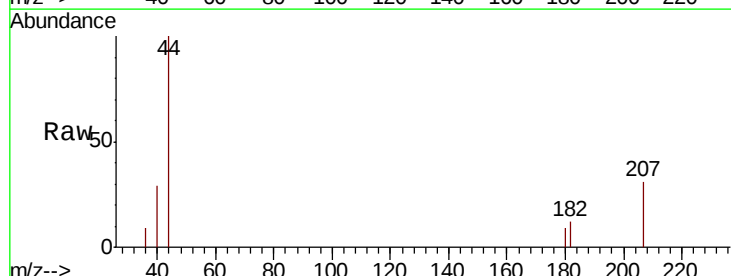
Instrument :
MSVOA_U
ClientSampleId :
CPA-GMW-5S-R-M27W1-090519

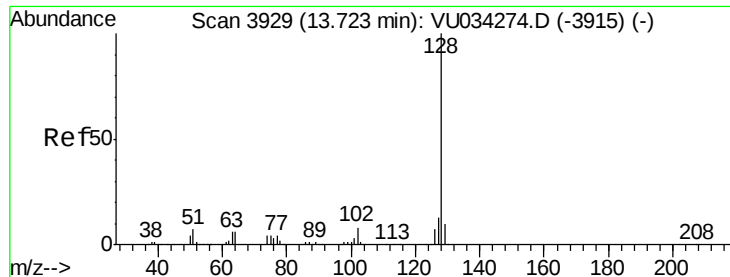
Tgt Ion: 75 Resp: 113911
Ion Ratio Lower Upper
75 100
53 0.1 0.0 0.0#
89 0.0 0.0 0.0



#93
1,2,4-Trichlorobenzene
Concen: 3.459 ug/l
RT: 13.54 min Scan# 3872
Delta R.T. 0.05 min
Lab File: VU034528.D
Acq: 12 Sep 2019 18:23

Tgt Ion: 180 Resp: 42
Ion Ratio Lower Upper
180 100
182 331.0 47.9 143.8#
145 0.0 14.4 43.0#

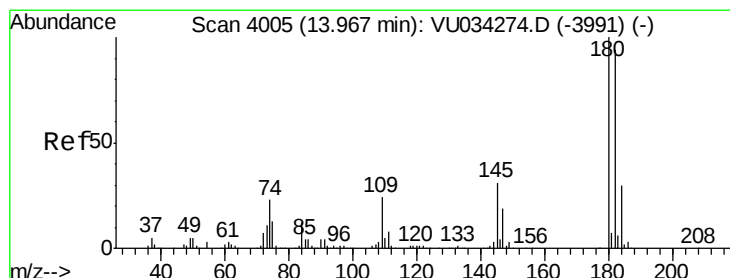
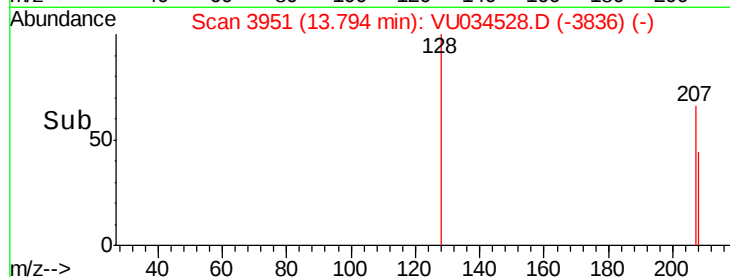
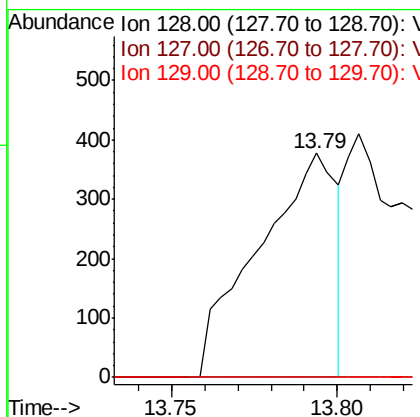
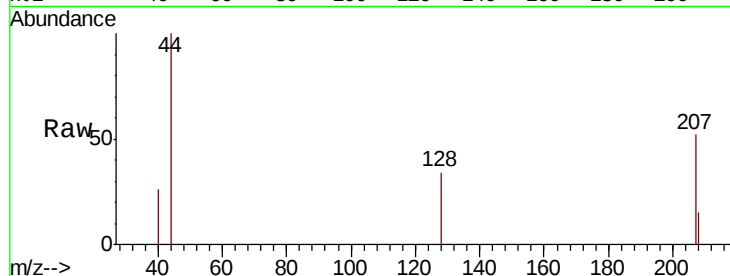




#95
Naphthalene
Concen: 4.004 ug/l
RT: 13.79 min Scan# 3951
Delta R.T. 0.07 min
Lab File: VU034528.D
Acq: 12 Sep 2019 18:23

Instrument :
MSVOA_U
ClientSampleId :
CPA-GMW-5S-R-M27W1-090519

Tgt Ion:128 Resp: 626
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: 2.668 ug/l
RT: 14.00 min Scan# 4016
Delta R.T. 0.04 min
Lab File: VU034528.D
Acq: 12 Sep 2019 18:23

Tgt Ion:180 Resp: 161
Ion Ratio Lower Upper
180 100
182 259.6 48.4 145.0#
145 0.0 15.4 46.4#

