

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091219\
 Data File : VU034533.D
 Acq On : 12 Sep 2019 20:20
 Operator : JC/SP
 Sample : K4756-08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW11D-M27W1-090319

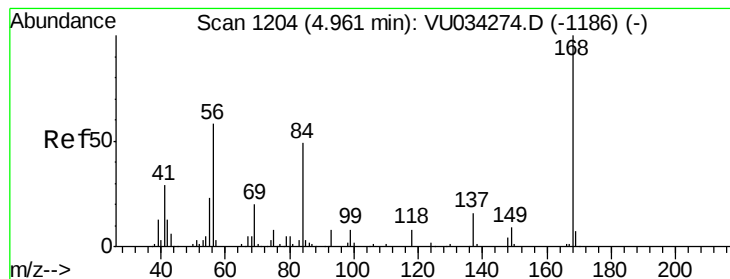
Quant Time: Sep 13 07:13:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 05:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	249604	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	377248	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	383416	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	220559	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	220279	58.33	ug/l	0.00
Spiked Amount 50.000			Recovery =	116.66%		
35) Dibromofluoromethane	4.86	113	192962	54.97	ug/l	0.00
Spiked Amount 50.000			Recovery =	109.94%		
50) Toluene-d8	7.55	98	701706	53.21	ug/l	0.00
Spiked Amount 50.000			Recovery =	106.42%		
62) 4-Bromofluorobenzene	10.29	95	229596	45.09	ug/l	0.00
Spiked Amount 50.000			Recovery =	90.18%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	599	Below Cal		94
6) Chloroethane	1.69	64	186	Below Cal	#	43
10) Methyl Iodide	2.40	142	241	3.931	ug/l #	43
11) Tert butyl alcohol	2.82	59	2263	2.836	ug/l #	73
14) Allyl chloride	2.43	41	5584	1.076	ug/l #	64
16) Acetone	2.31	43	5392	2.759	ug/l	95
18) Methyl Acetate	2.43	43	14105	2.966	ug/l #	52
20) Methylene Chloride	2.69	84	547	Below Cal	#	81
27) cis-1,2-Dichloroethene	4.21	96	2079	0.598	ug/l	74
31) Cyclohexane	4.96	56	4029	0.911	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	18076	4.418	ug/l #	48
38) Carbon Tetrachloride	4.96	117	22432	5.135	ug/l #	16
60) Dibromochloromethane	8.21	129	3860	0.957	ug/l #	12
64) Tetrachloroethene	8.21	164	4331	1.302	ug/l	93
76) 1,2,3-Trichloropropane	10.29	75	109764	22.799	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.29	75	109764	76.672	ug/l #	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VU034533.D

Acq: 12 Sep 2019 20:20

Instrument :

MSVOA_U

ClientSampleId :

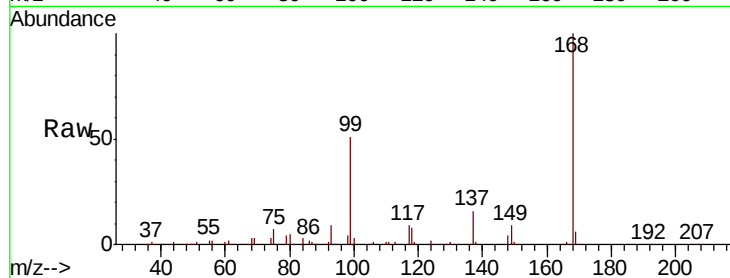
CPA-CPMW11D-M27W1-090319

Tgt Ion:168 Resp: 249604

Ion Ratio Lower Upper

168 100

99 50.8 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

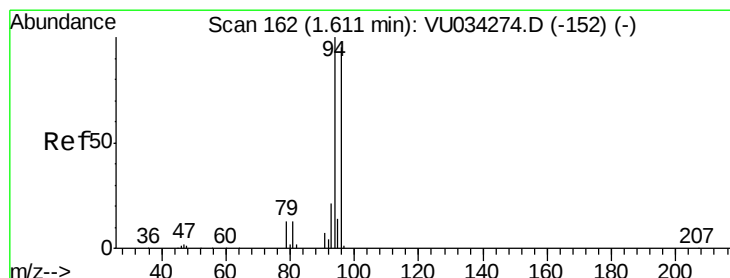
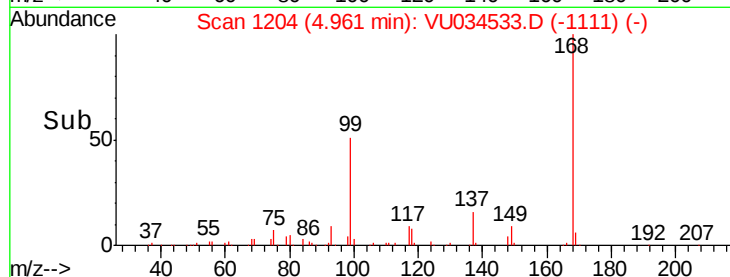
60000

40000

20000

0

Time--> 4.85 4.90 4.95 5.00 5.05



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 169

Delta R.T. 0.02 min

Lab File: VU034533.D

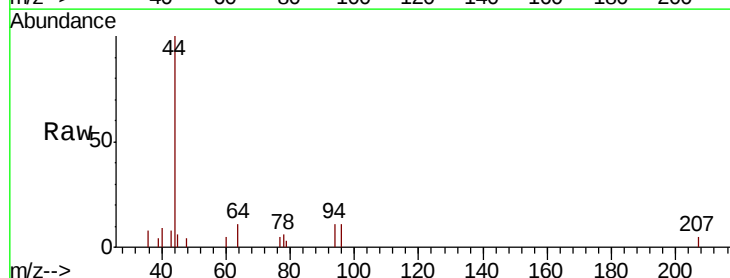
Acq: 12 Sep 2019 20:20

Tgt Ion: 94 Resp: 599

Ion Ratio Lower Upper

94 100

96 100.9 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

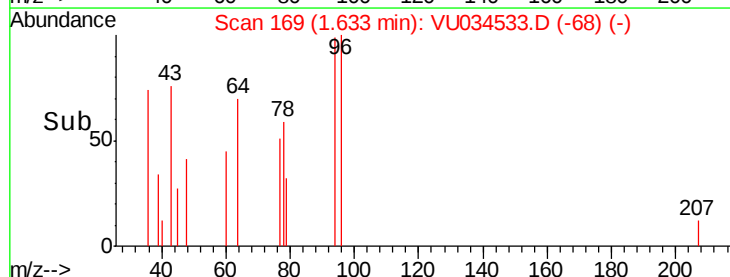
300

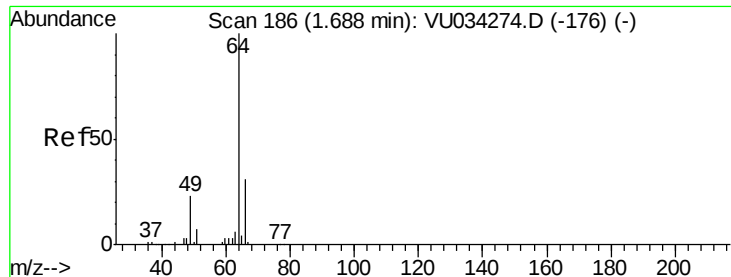
200

100

0

Time--> 1.60 1.62 1.64 1.66 1.68





#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 188

Delta R.T. 0.01 min

Lab File: VU034533.D

Acq: 12 Sep 2019 20:20

Instrument :

MSVOA_U

ClientSampleId :

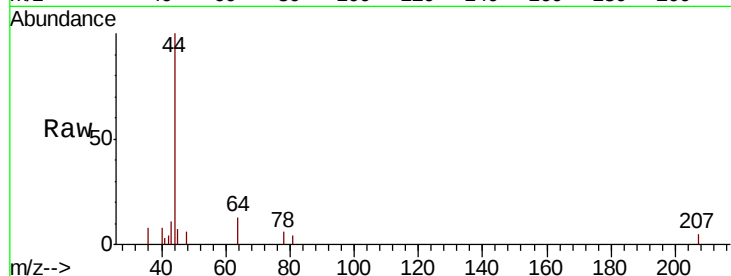
CPA-CPMW11D-M27W1-090319

Tgt Ion: 64 Resp: 186

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#



Abundance Ion 63.90 (63.60 to 64.60): VU034533.D (-93) (-)

Ion 65.90 (65.60 to 66.60): VU034533.D (-93) (-)

1.69

400

300

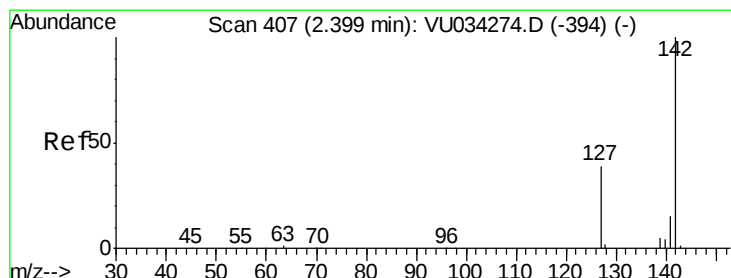
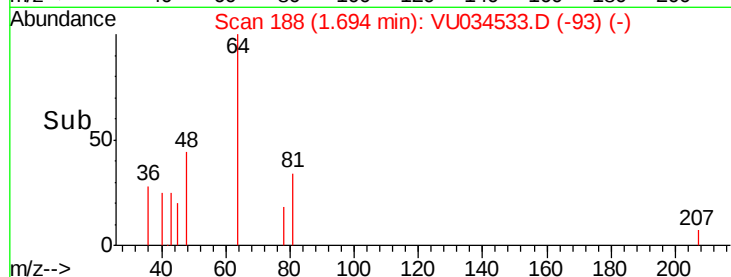
200

100

0

1.68 1.70 1.72 1.74

Time-->



#10

Methyl Iodide

Concen: 3.931 ug/l

RT: 2.40 min Scan# 408

Delta R.T. 0.00 min

Lab File: VU034533.D

Acq: 12 Sep 2019 20:20

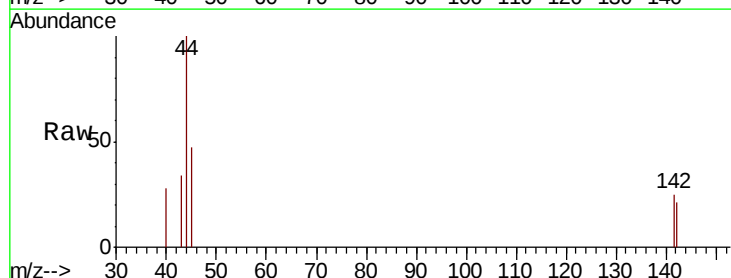
Tgt Ion: 142 Resp: 241

Ion Ratio Lower Upper

142 100

127 0.0 32.1 48.1#

141 0.0 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): VU034533.D (-313) (-)

Ion 126.80 (126.50 to 127.50): VU034533.D (-313) (-)

Ion 140.80 (140.50 to 141.50): VU034533.D (-313) (-)

2.40

300

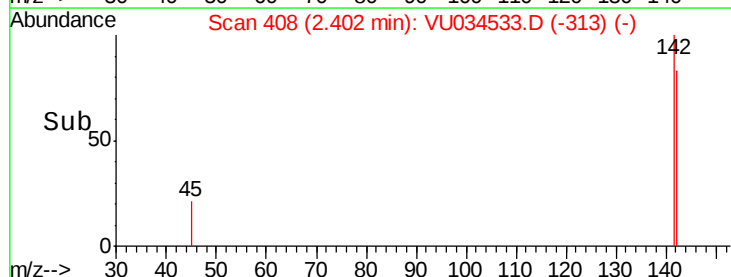
200

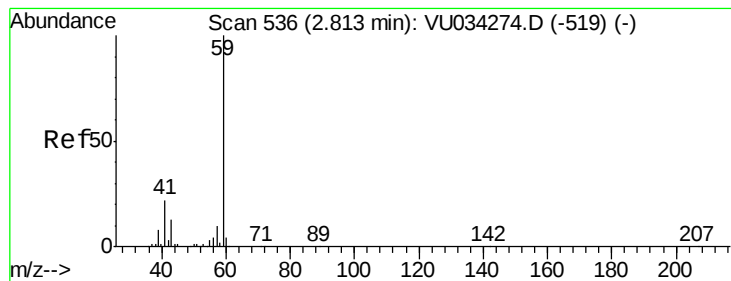
100

0

2.38 2.40 2.42

Time-->



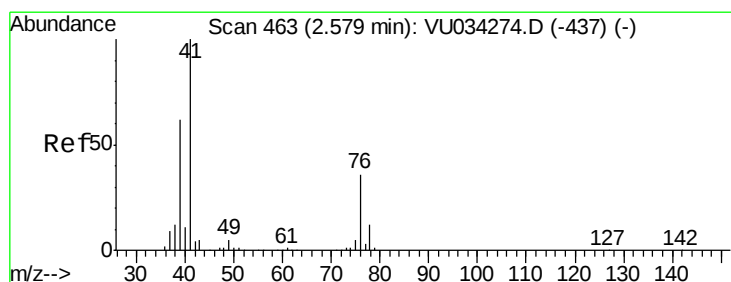
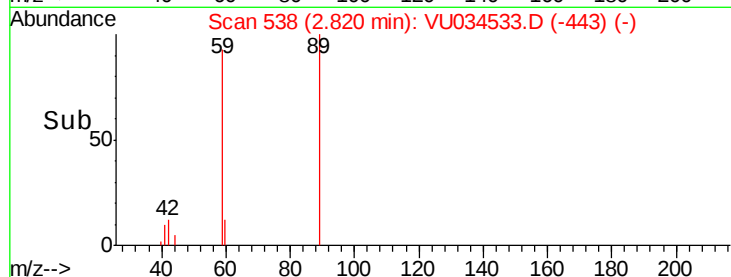
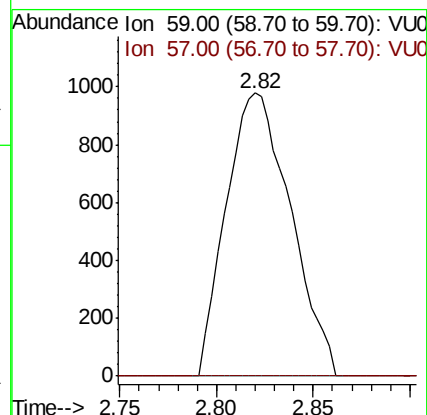
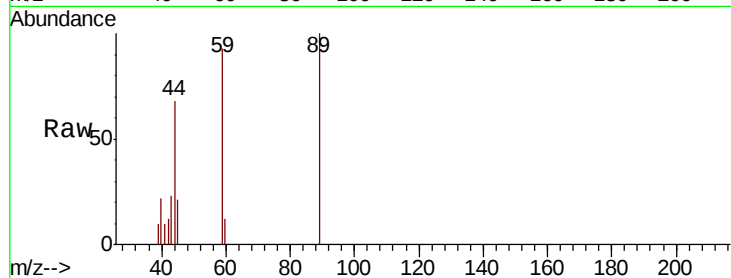


#11

Tert butyl alcohol
 Concen: 2.836 ug/l
 RT: 2.82 min Scan# 538
 Delta R.T. 0.01 min
 Lab File: VU034533.D
 Acq: 12 Sep 2019 20:20

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW11D-M27W1-090319

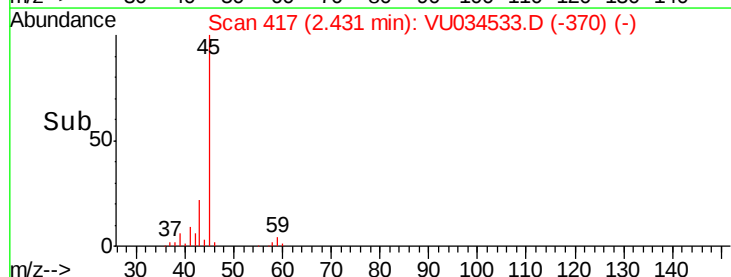
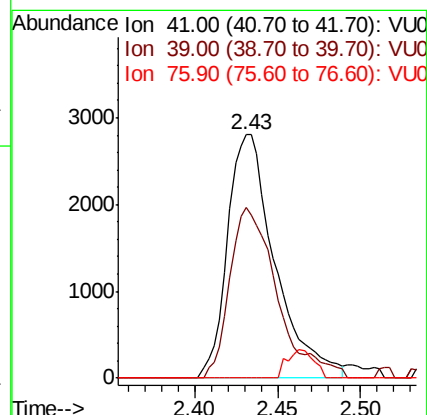
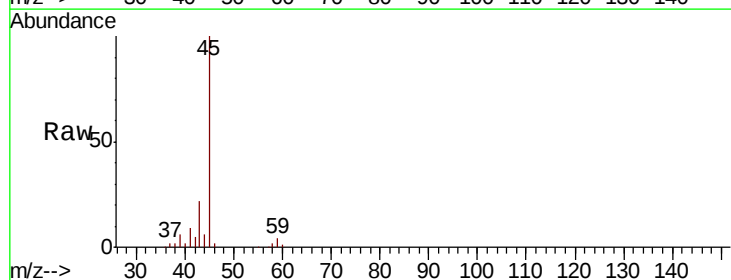
Tgt Ion: 59 Resp: 2263
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

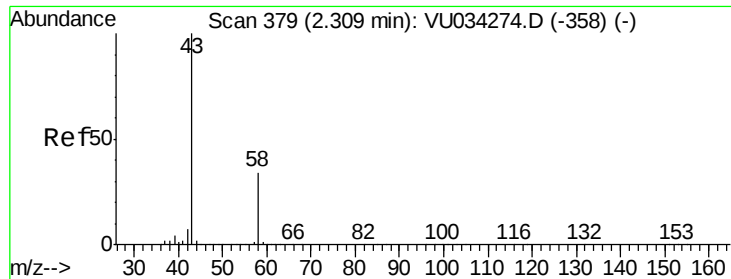


#14

Allyl chloride
 Concen: 1.076 ug/l
 RT: 2.43 min Scan# 417
 Delta R.T. -0.15 min
 Lab File: VU034533.D
 Acq: 12 Sep 2019 20:20

Tgt Ion: 41 Resp: 5584
 Ion Ratio Lower Upper
 41 100
 39 69.8 43.5 65.3#
 76 0.0 27.0 40.6#





#16

Acetone

Concen: 2.759 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034533.D

Acq: 12 Sep 2019 20:20

Instrument :

MSVOA_U

ClientSampleId :

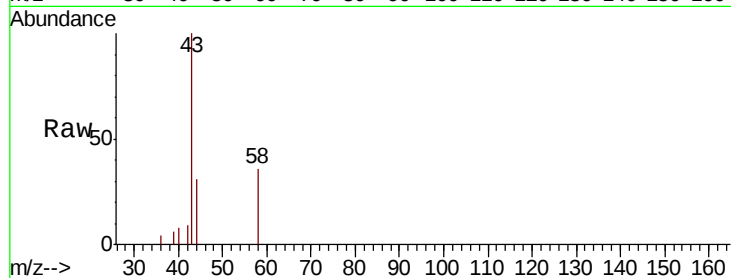
CPA-CPMW11D-M27W1-090319

Tgt Ion: 43 Resp: 5392

Ion Ratio Lower Upper

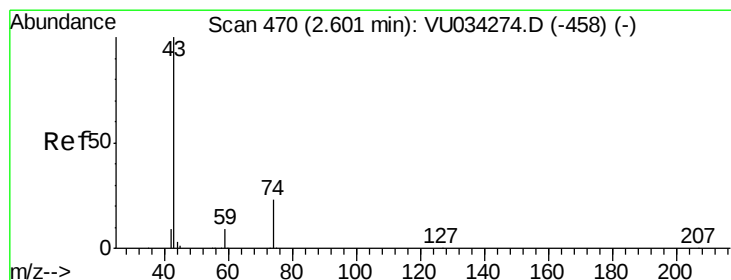
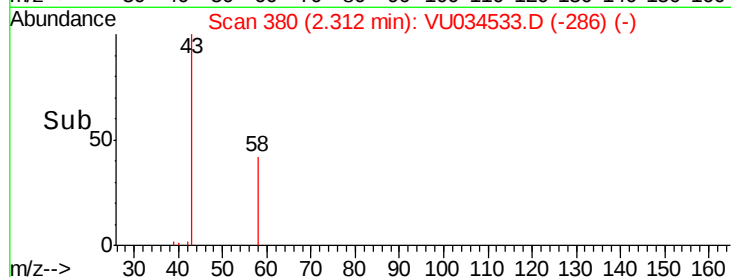
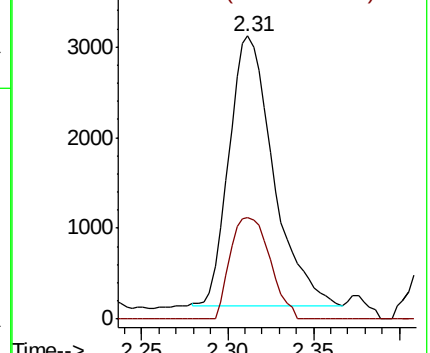
43 100

58 37.5 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-358) (-)

Ion 58.00 (57.70 to 58.70): VU034274.D (-358) (-)



#18

Methyl Acetate

Concen: 2.966 ug/l

RT: 2.43 min Scan# 418

Delta R.T. -0.17 min

Lab File: VU034533.D

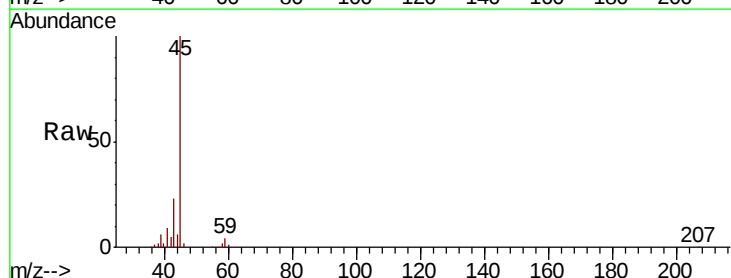
Acq: 12 Sep 2019 20:20

Tgt Ion: 43 Resp: 14105

Ion Ratio Lower Upper

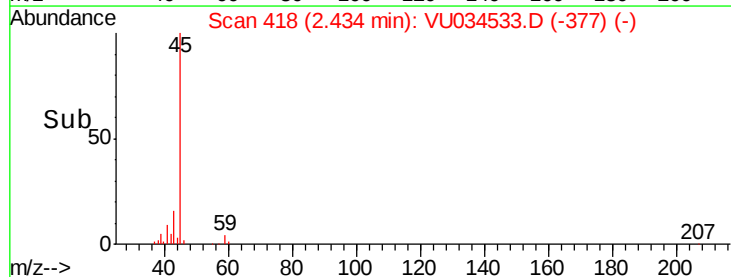
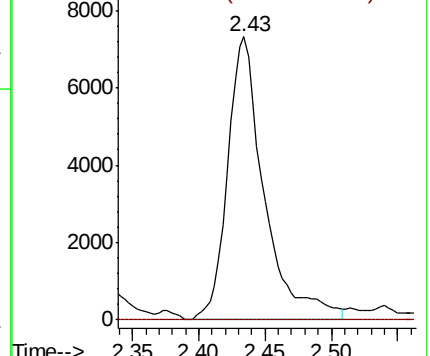
43 100

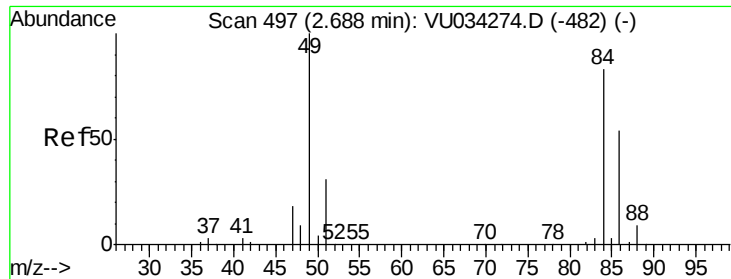
74 0.0 18.9 28.3#



Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-458) (-)

Ion 74.00 (73.70 to 74.70): VU034274.D (-458) (-)

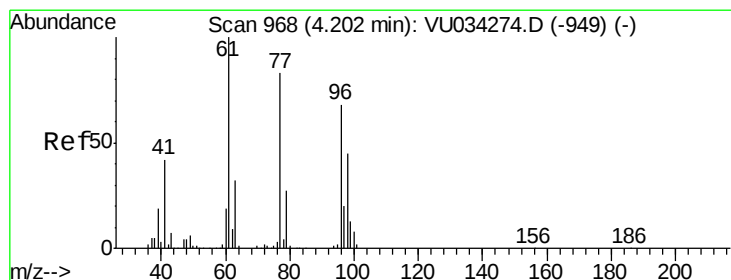
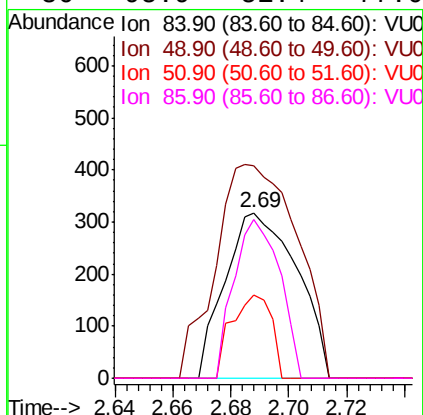
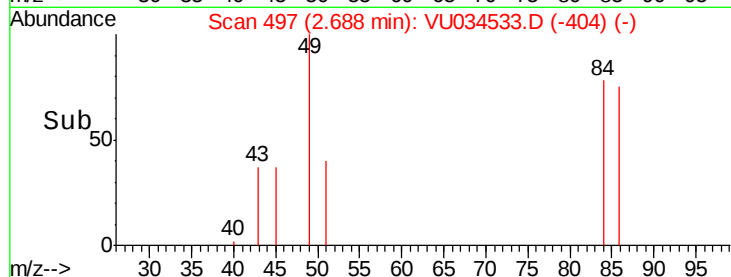
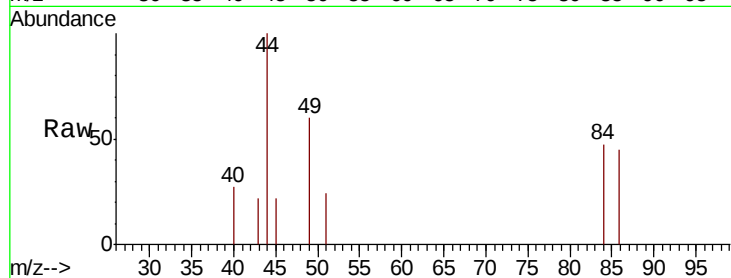




#20
Methylene Chloride
Concen: Below Cal
RT: 2.69 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU034533.D
Acq: 12 Sep 2019 20:20

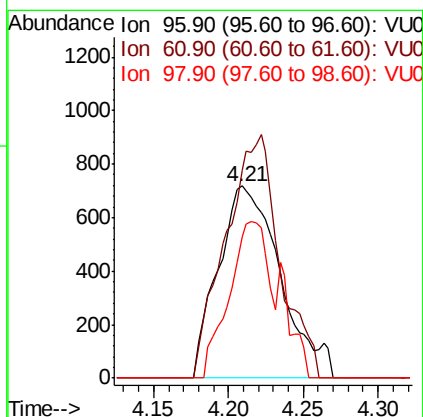
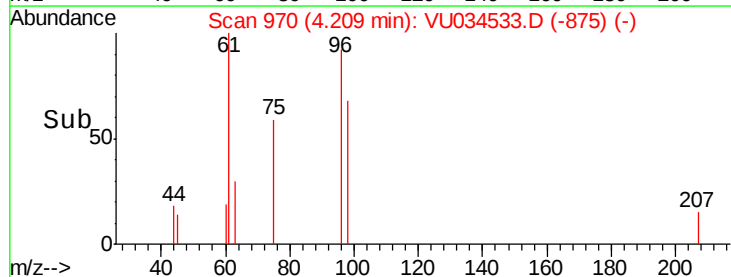
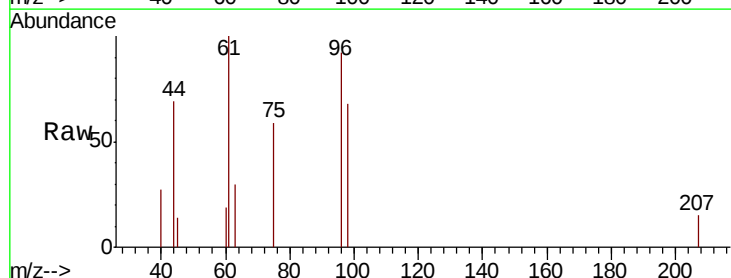
Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW11D-M27W1-090319

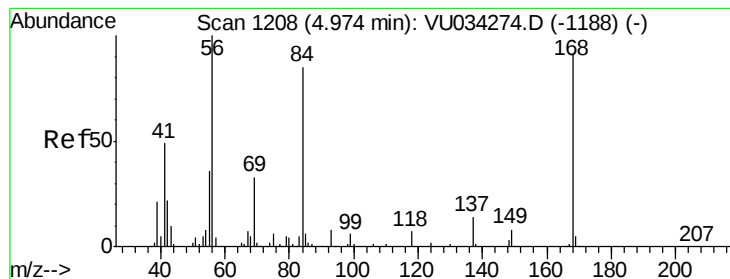
Tgt Ion: 84 Resp: 547
Ion Ratio Lower Upper
84 100
49 128.0 96.0 144.0
51 50.6 30.0 45.0#
86 95.9 51.4 77.0#



#27
cis-1,2-Dichloroethene
Concen: 0.598 ug/l
RT: 4.21 min Scan# 970
Delta R.T. 0.01 min
Lab File: VU034533.D
Acq: 12 Sep 2019 20:20

Tgt Ion: 96 Resp: 2079
Ion Ratio Lower Upper
96 100
61 110.3 0.0 297.4
98 52.0 0.0 130.0





#31

Cyclohexane

Concen: 0.911 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. -0.01 min

Lab File: VU034533.D

Acq: 12 Sep 2019 20:20

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW11D-M27W1-090319

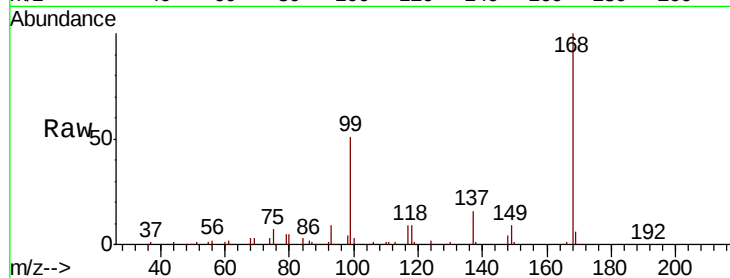
Tgt Ion: 56 Resp: 4029

Ion Ratio Lower Upper

56 100

69 207.8 26.7 40.1#

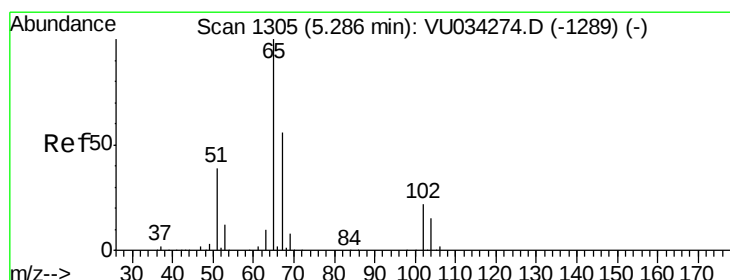
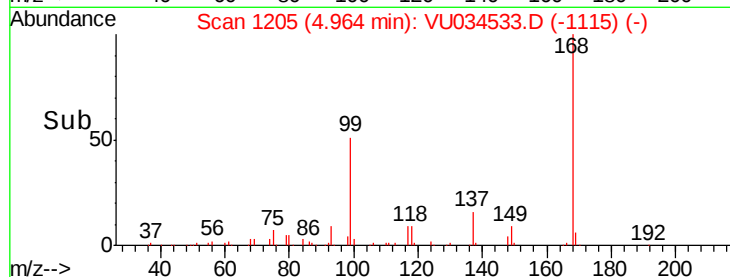
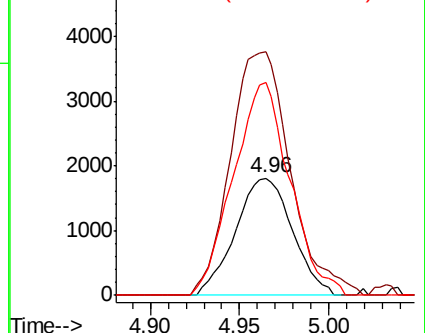
84 181.8 68.2 102.4#



Abundance Ion 56.00 (55.70 to 56.70): VU034274.D (-1188) (-)

Ion 69.00 (68.70 to 69.70): VU034274.D (-1188) (-)

Ion 84.00 (83.70 to 84.70): VU034274.D (-1188) (-)



#33

1,2-Dichloroethane-d4

Concen: 58.327 ug/l

RT: 5.29 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU034533.D

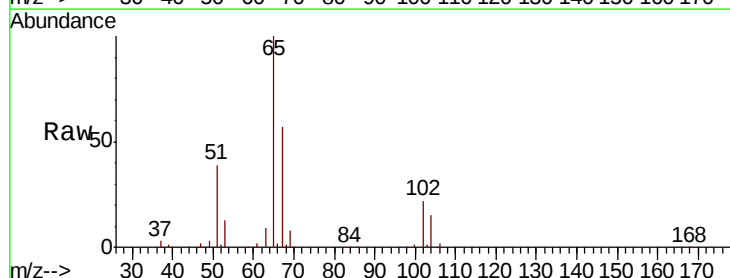
Acq: 12 Sep 2019 20:20

Tgt Ion: 65 Resp: 220279

Ion Ratio Lower Upper

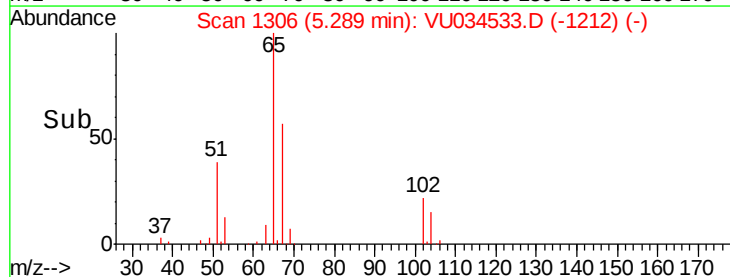
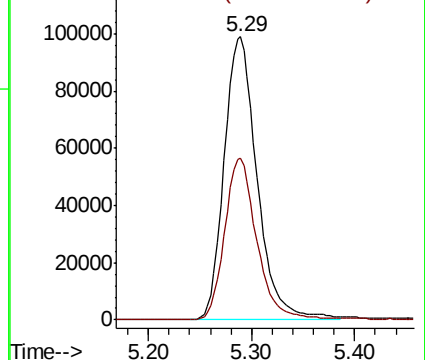
65 100

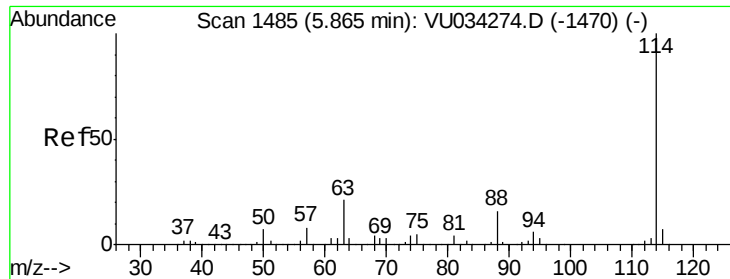
67 55.4 0.0 112.4



Abundance Ion 64.90 (64.60 to 65.60): VU034274.D (-1289) (-)

Ion 66.90 (66.60 to 67.60): VU034274.D (-1289) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VU034533.D

Acq: 12 Sep 2019 20:20

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW11D-M27W1-090319

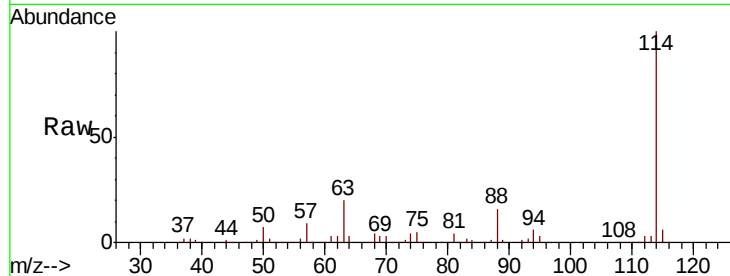
Tgt Ion:114 Resp: 377248

Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.4

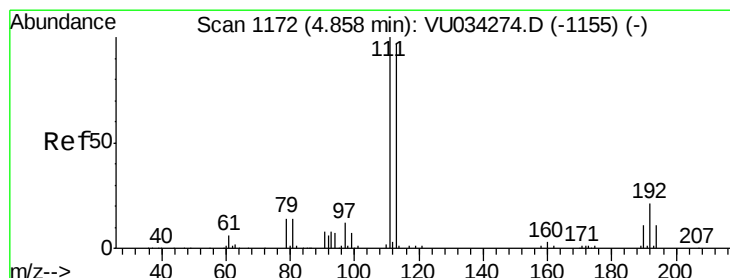
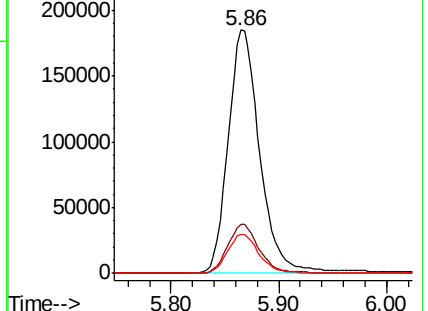
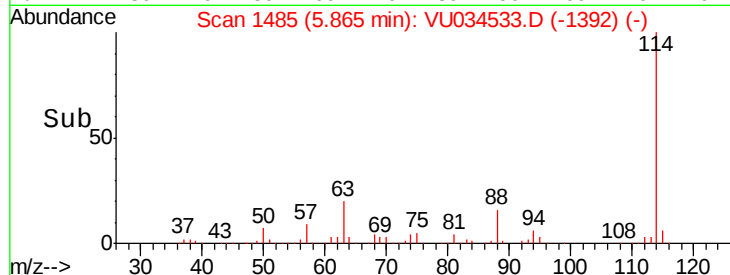
88 16.2 0.0 32.4



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: 54.970 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034533.D

Acq: 12 Sep 2019 20:20

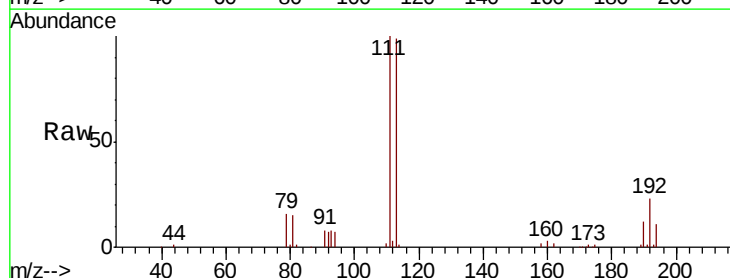
Tgt Ion:113 Resp: 192962

Ion Ratio Lower Upper

113 100

111 101.7 81.5 122.3

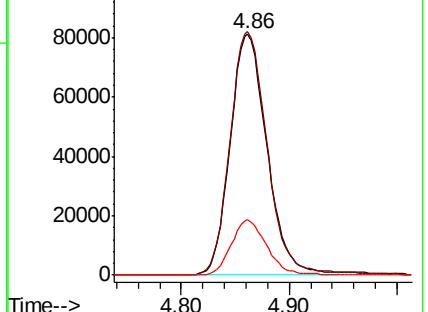
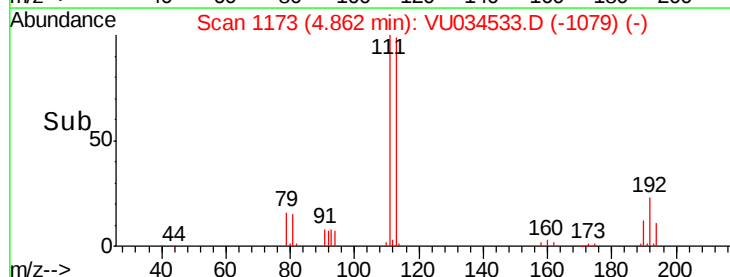
192 22.3 17.8 26.8

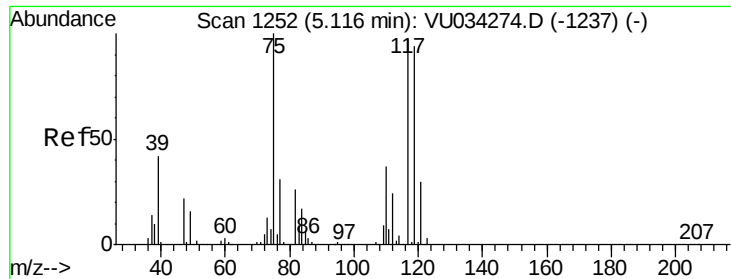


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

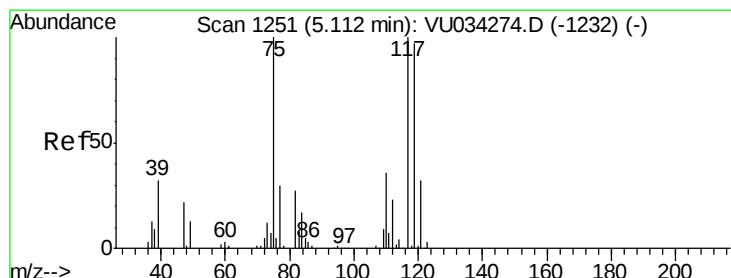
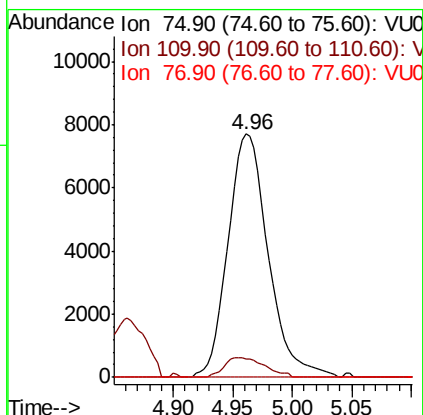
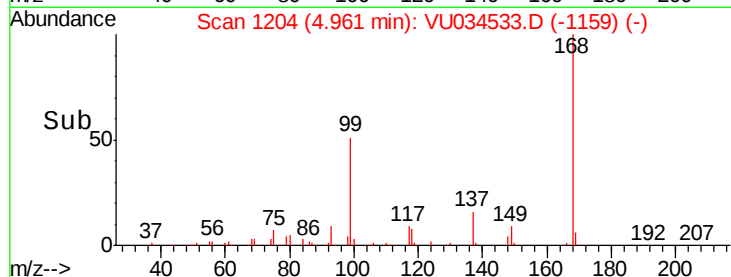
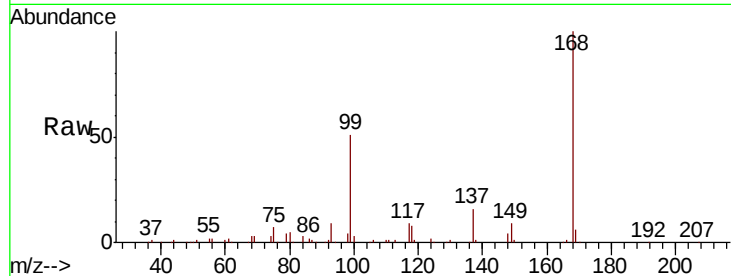




#36
 1,1-Dichloropropene
 Concen: 4.418 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034533.D
 Acq: 12 Sep 2019 20:20

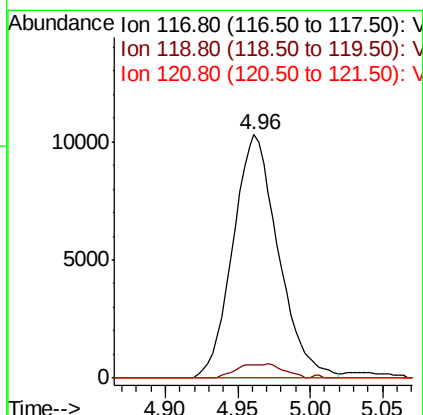
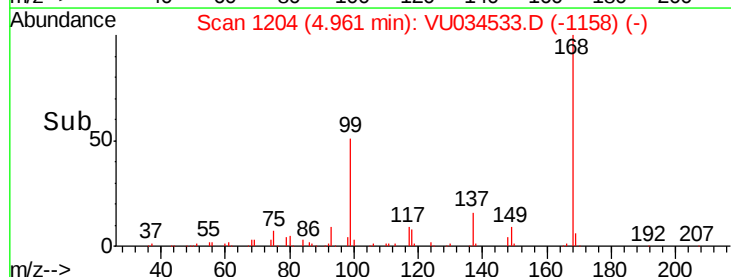
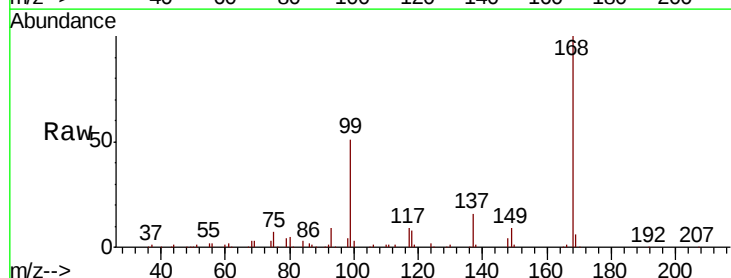
Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW11D-M27W1-090319

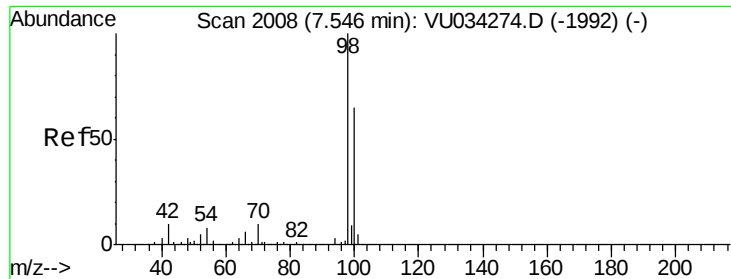
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	18.3	54.9#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 5.135 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034533.D
 Acq: 12 Sep 2019 20:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	77.8	116.6#
121	0.0	25.2	37.8#

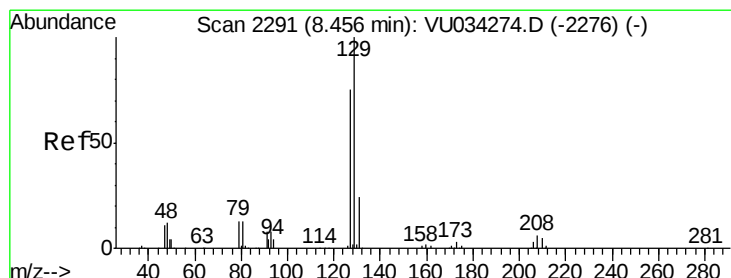
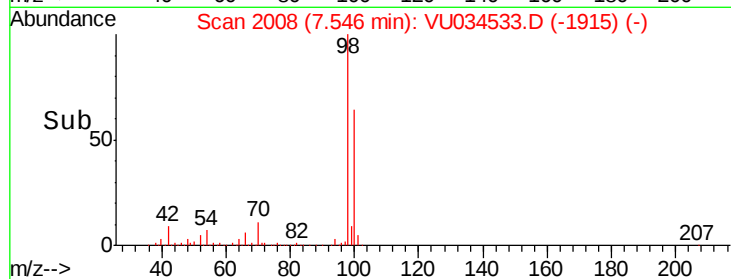
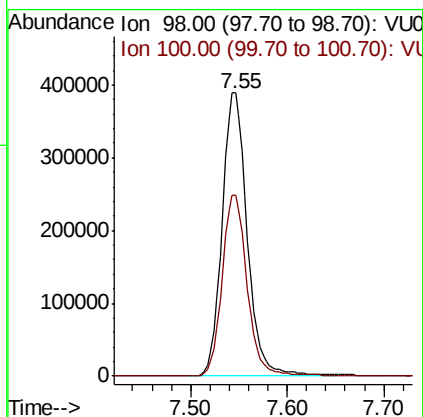
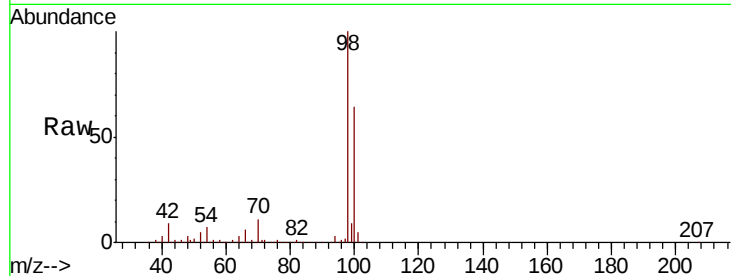




#50
Toluene-d8
Concen: 53.207 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. -0.00 min
Lab File: VU034533.D
Acq: 12 Sep 2019 20:20

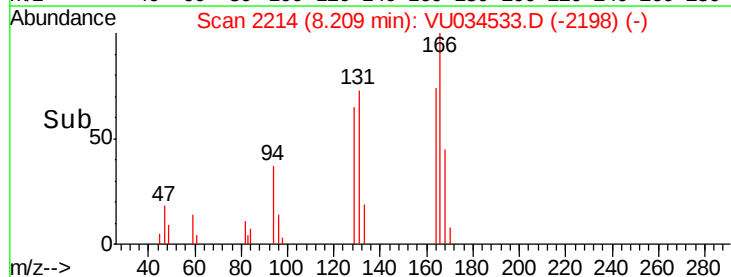
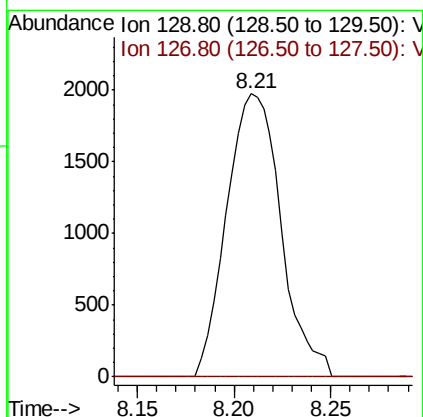
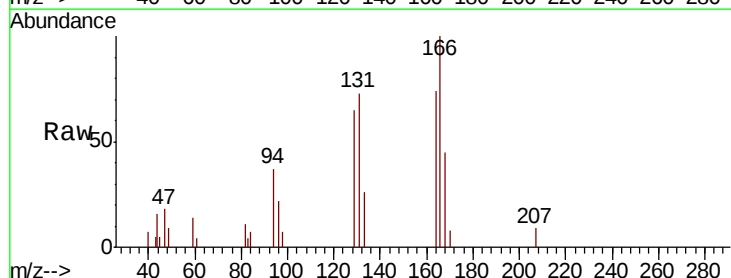
Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW11D-M27W1-090319

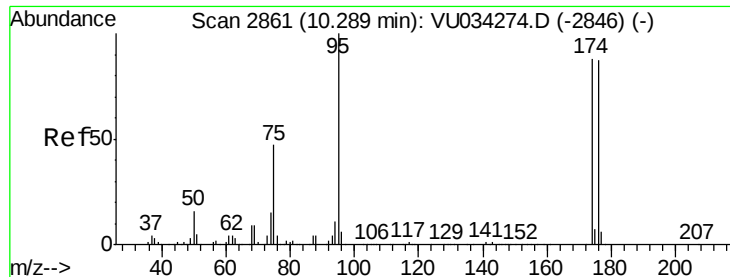
Tgt Ion: 98 Resp: 701706
Ion Ratio Lower Upper
98 100
100 63.7 51.7 77.5



#60
Dibromochloromethane
Concen: 0.957 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. -0.25 min
Lab File: VU034533.D
Acq: 12 Sep 2019 20:20

Tgt Ion: 129 Resp: 3860
Ion Ratio Lower Upper
129 100
127 0.0 37.9 113.7#

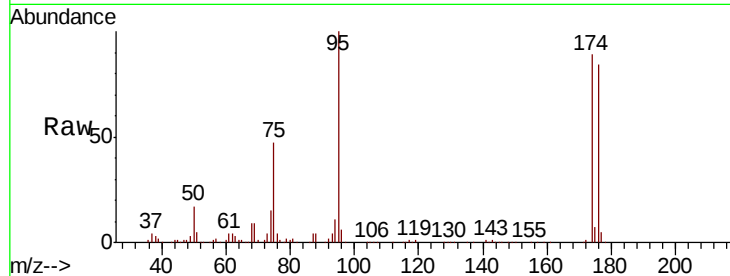




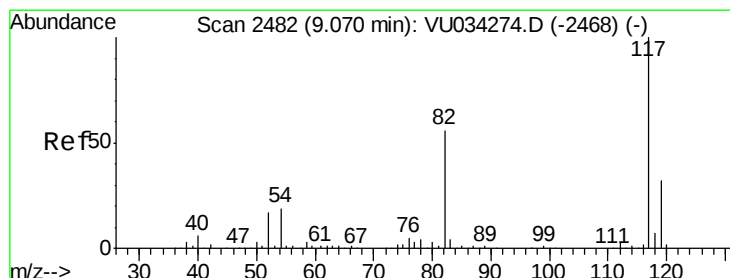
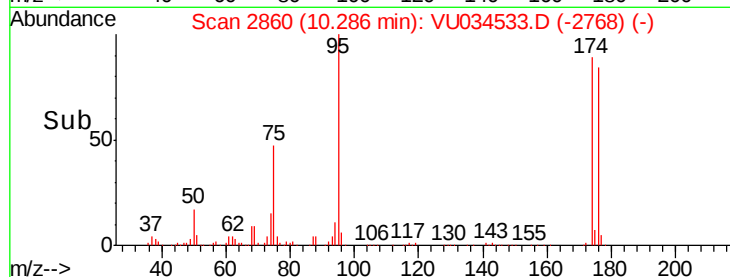
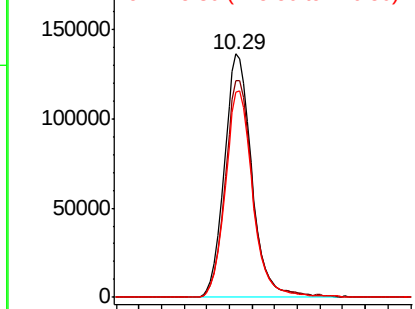
#62
4-Bromofluorobenzene
Concen: 45.090 ug/l
RT: 10.29 min Scan# 2860
Delta R.T. -0.00 min
Lab File: VU034533.D
Acq: 12 Sep 2019 20:20

Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW11D-M27W1-090319

Tgt Ion: 95 Resp: 229596
Ion Ratio Lower Upper
95 100
174 90.1 0.0 175.2
176 84.6 0.0 168.0

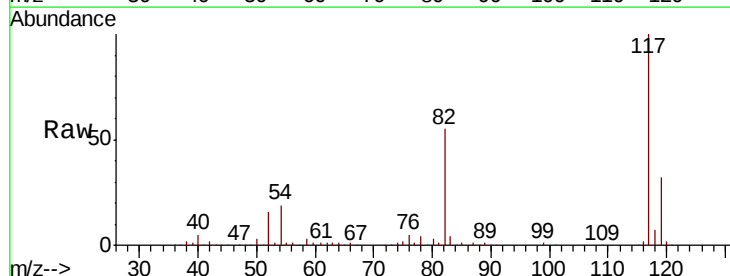


Abundance Ion 94.90 (94.60 to 95.60): VU0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

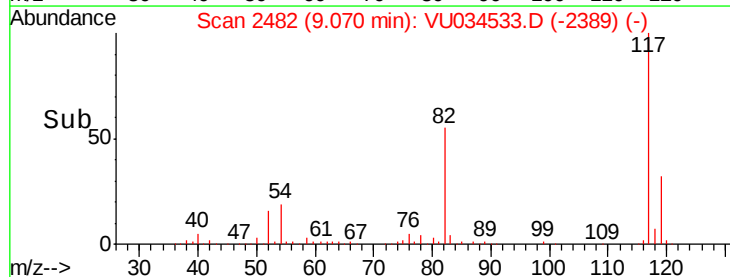
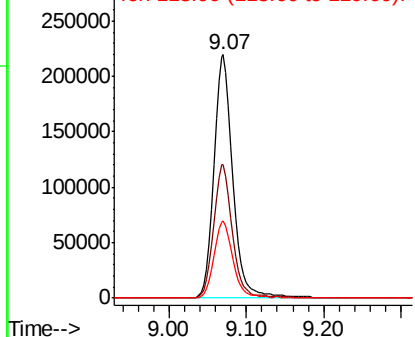


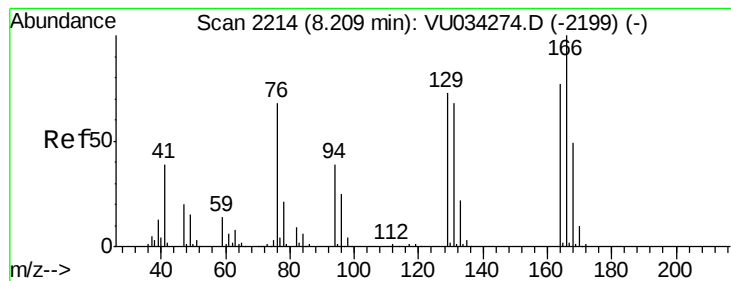
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU034533.D
Acq: 12 Sep 2019 20:20

Tgt Ion: 117 Resp: 383416
Ion Ratio Lower Upper
117 100
82 54.8 44.6 67.0
119 31.6 25.9 38.9



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





#64

Tetrachloroethene

Concen: 1.302 ug/l

RT: 8.21 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VU034533.D

Acq: 12 Sep 2019 20:20

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW11D-M27W1-090319

Tgt Ion:164 Resp: 4331

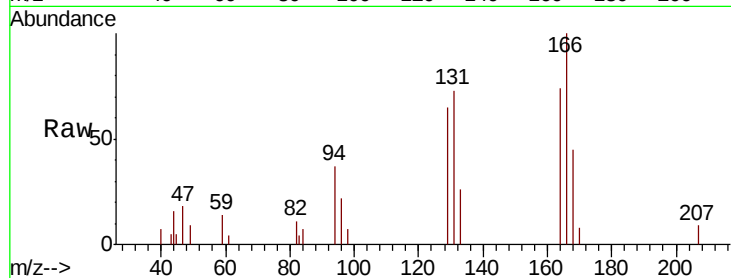
Ion Ratio Lower Upper

164 100

166 135.7 103.7 155.5

129 88.8 75.8 113.8

131 98.6 70.7 106.1

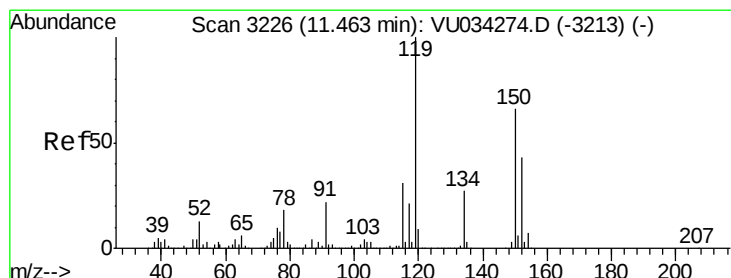
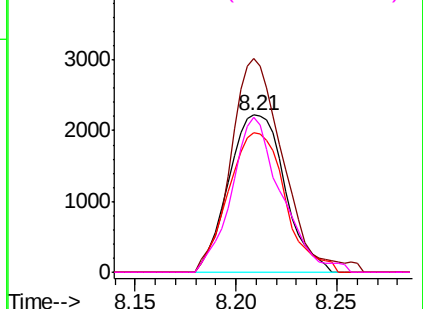
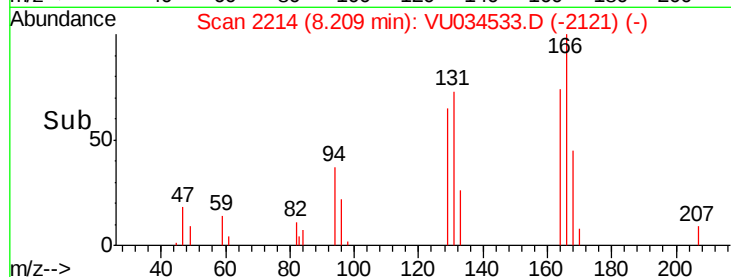


Abundance Ion 163.80 (163.50 to 164.50): V

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: VU034533.D

Acq: 12 Sep 2019 20:20

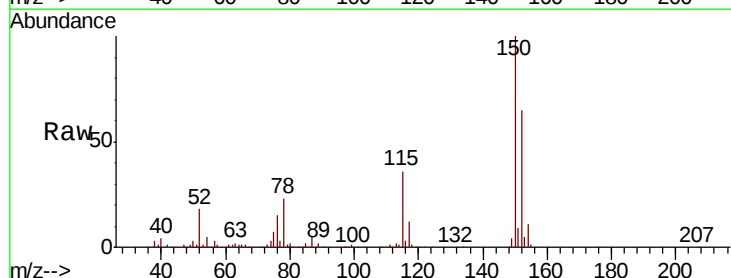
Tgt Ion:152 Resp: 220559

Ion Ratio Lower Upper

152 100

115 55.7 39.1 117.3

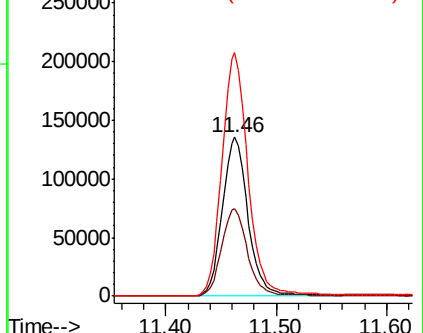
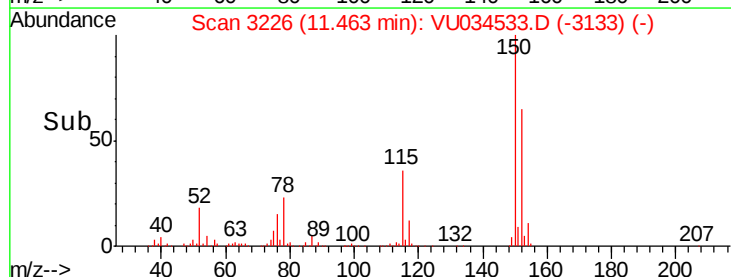
150 154.8 0.0 345.4

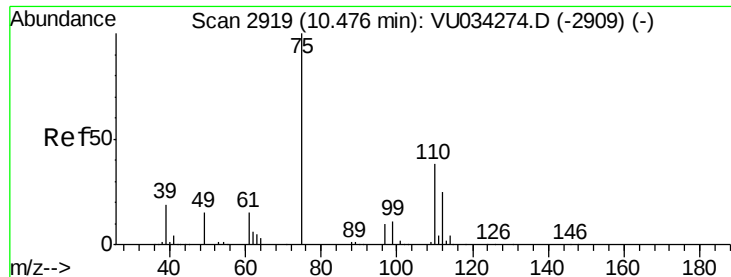


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.799 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.19 min

Lab File: VU034533.D

Acq: 12 Sep 2019 20:20

Instrument :

MSVOA_U

ClientSampleId :

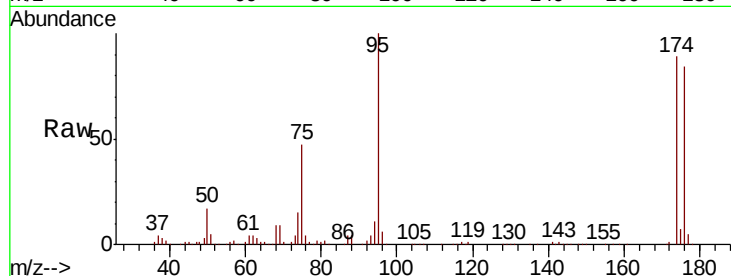
CPA-CPMW11D-M27W1-090319

Tgt Ion: 75 Resp: 109764

Ion Ratio Lower Upper

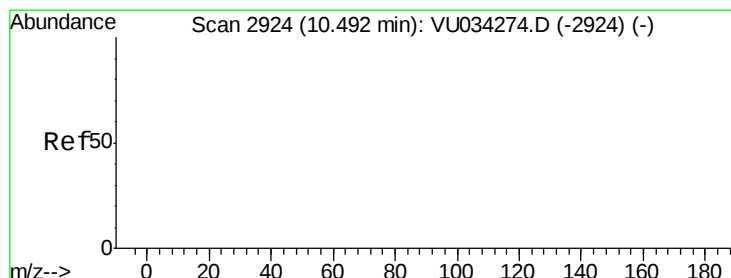
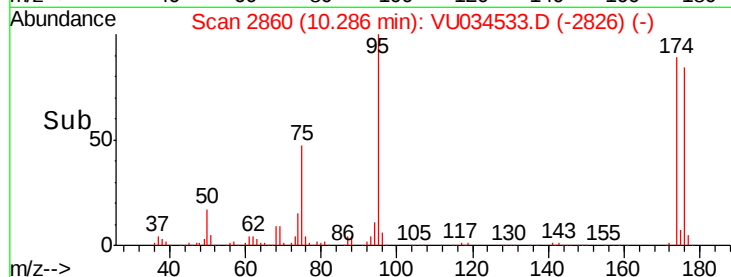
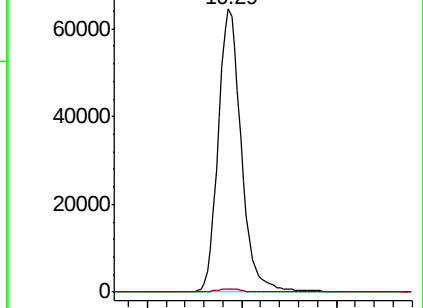
75 100

77 1.2 20.8 62.2#



Abundance Ion 74.90 (74.60 to 75.60): VU034274.D (-2909) (-)

Ion 77.00 (76.70 to 77.70): VU034274.D (-2909) (-)



#81

trans-1,4-Dichloro-2-butene

Concen: 76.672 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.21 min

Lab File: VU034533.D

Acq: 12 Sep 2019 20:20

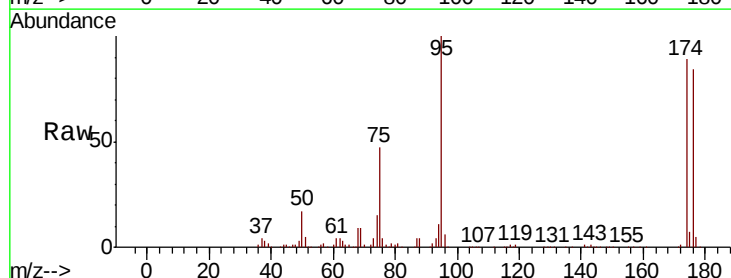
Tgt Ion: 75 Resp: 109764

Ion Ratio Lower Upper

75 100

53 0.3 0.0 0.0#

89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU034274.D (-2924) (-)

Ion 53.00 (52.70 to 53.70): VU034274.D (-2924) (-)

Ion 88.90 (88.60 to 89.60): VU034274.D (-2924) (-)

