

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091219\
 Data File : VU034542.D
 Acq On : 12 Sep 2019 23:49
 Operator : JC/SP
 Sample : K4756-23
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-SW-15-M27W1-090619

Quant Time: Sep 13 07:15:34 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	245711	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	366794	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	373361	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	216483	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	216438	58.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.44%	
35) Dibromofluoromethane	4.86	113	188498	55.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.46%	
50) Toluene-d8	7.55	98	677726	52.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.70%	
62) 4-Bromofluorobenzene	10.29	95	225375	45.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.04%	

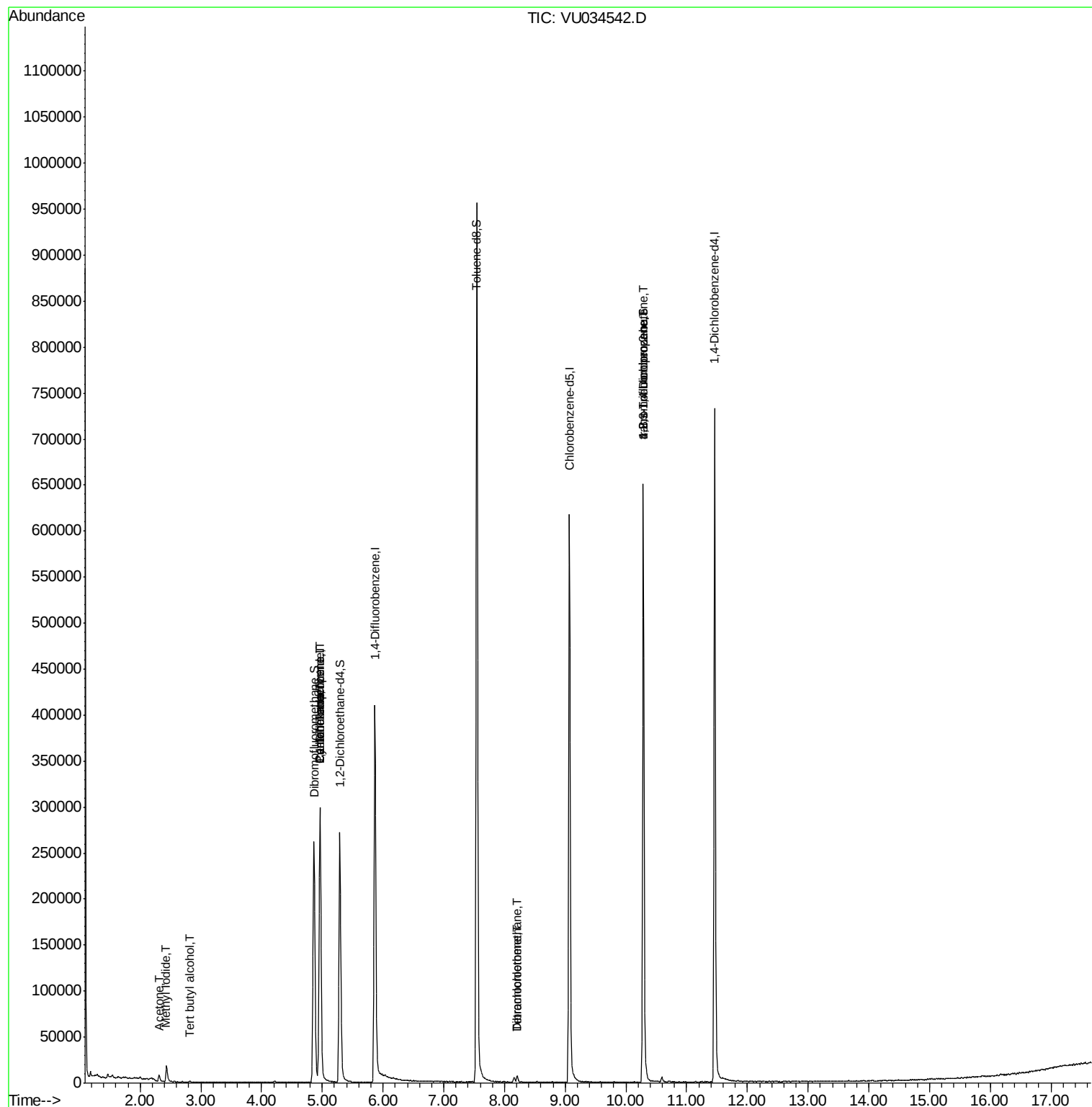
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	526	Below Cal	#	48
6) Chloroethane	1.68	64	58	Below Cal	#	43
10) Methyl Iodide	2.41	142	91	3.879	ug/l #	43
11) Tert butyl alcohol	2.82	59	969	1.234	ug/l #	73
16) Acetone	2.32	43	7466	3.881	ug/l #	86
20) Methylene Chloride	2.70	84	211	Below Cal	#	81
31) Cyclohexane	4.96	56	3881	0.891	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	17253	4.337	ug/l #	48
38) Carbon Tetrachloride	4.96	117	22185	5.223	ug/l #	16
60) Dibromochloromethane	8.21	129	1497	0.382	ug/l #	12
64) Tetrachloroethene	8.21	164	1806	0.558	ug/l	97
76) 1,2,3-Trichloropropane	10.29	75	105062	22.233	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.29	75	105062	74.769	ug/l #	100

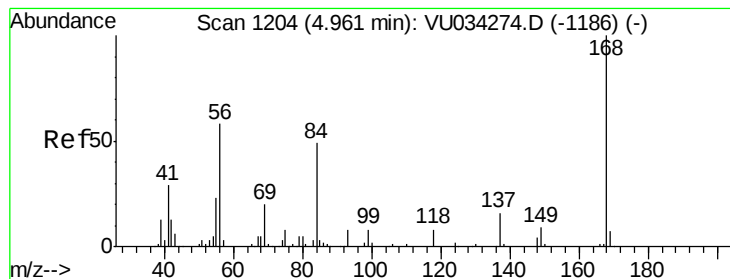
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VU034542.D

Acq: 12 Sep 2019 23:49

Instrument :

MSVOA_U

ClientSampleId :

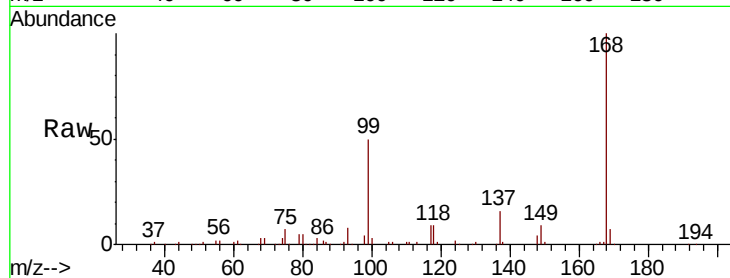
CPA-SW-15-M27W1-090619

Tgt Ion:168 Resp: 245711

Ion Ratio Lower Upper

168 100

99 50.3 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

120000

100000

80000

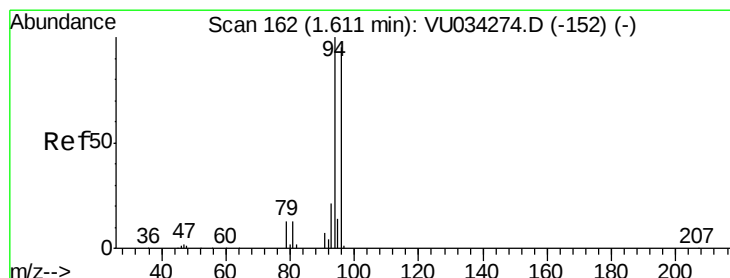
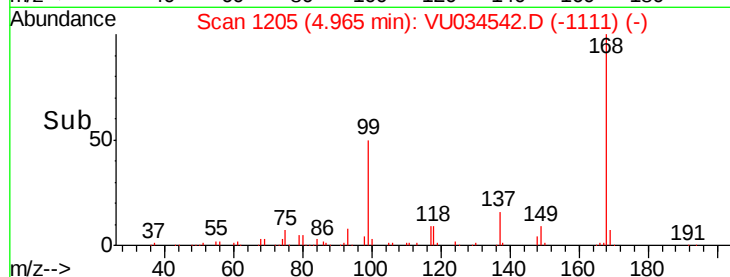
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 167

Delta R.T. 0.02 min

Lab File: VU034542.D

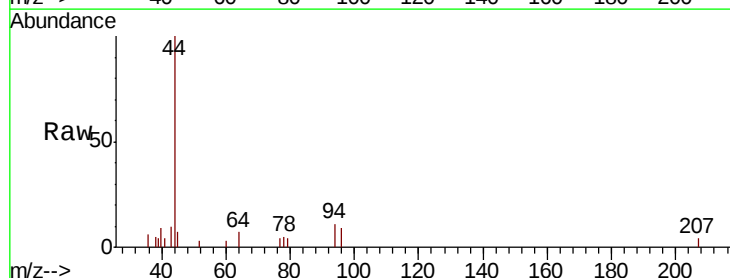
Acq: 12 Sep 2019 23:49

Tgt Ion: 94 Resp: 526

Ion Ratio Lower Upper

94 100

96 44.3 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

400

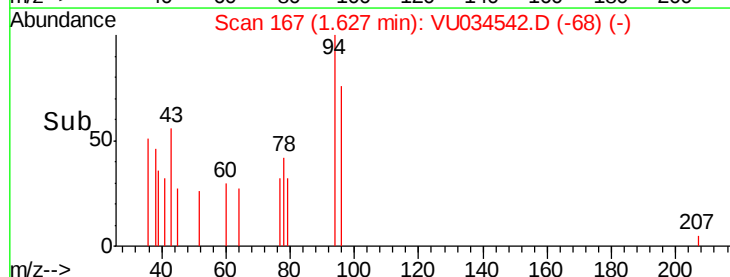
300

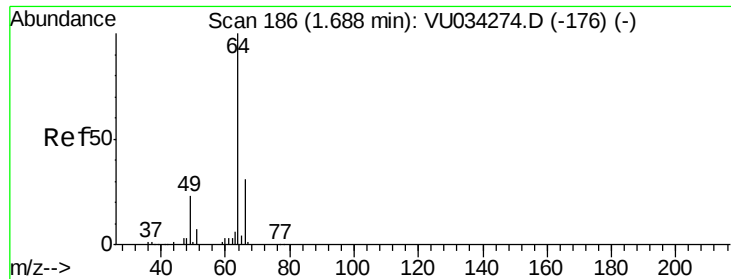
200

100

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 184

Delta R.T. -0.01 min

Lab File: VU034542.D

Acq: 12 Sep 2019 23:49

Instrument :

MSVOA_U

ClientSampleId :

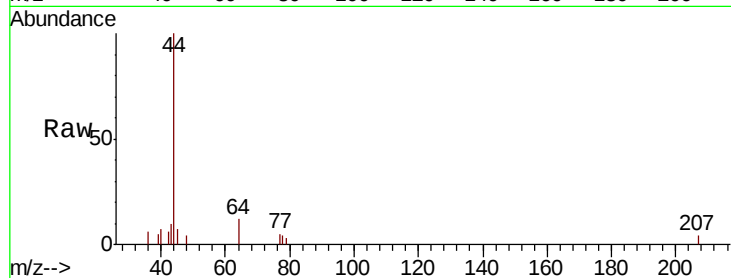
CPA-SW-15-M27W1-090619

Tgt Ion: 64 Resp: 58

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#

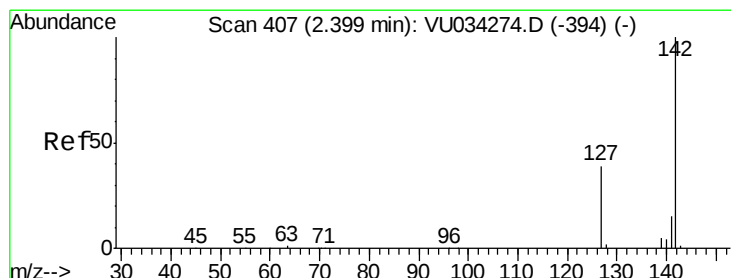
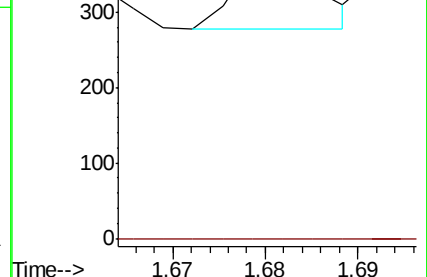
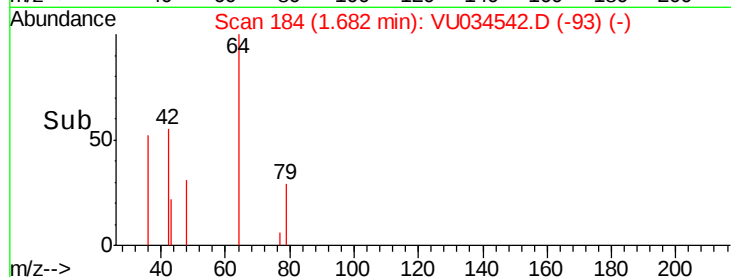


Abundance Ion 63.90 (63.60 to 64.60): VU034274.D (-176) (-)

Ion 65.90 (65.60 to 66.60): VU034274.D (-176) (-)

1.68

Time-->



#10

Methyl Iodide

Concen: 3.879 ug/l

RT: 2.41 min Scan# 412

Delta R.T. 0.02 min

Lab File: VU034542.D

Acq: 12 Sep 2019 23:49

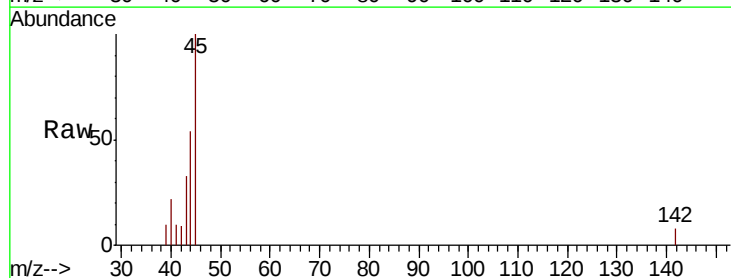
Tgt Ion: 142 Resp: 91

Ion Ratio Lower Upper

142 100

127 0.0 32.1 48.1#

141 0.0 11.5 17.3#



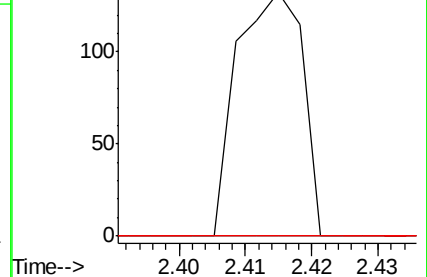
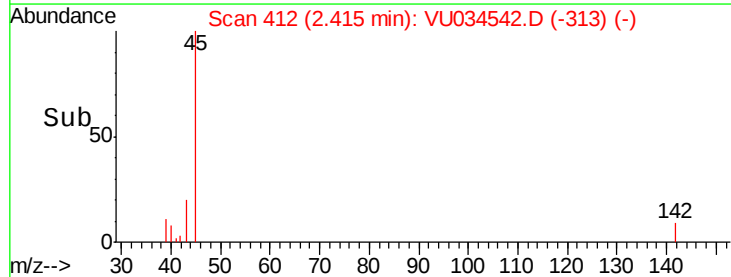
Abundance Ion 141.80 (141.50 to 142.50): VU034274.D (-394) (-)

Ion 126.80 (126.50 to 127.50): VU034274.D (-394) (-)

Ion 140.80 (140.50 to 141.50): VU034274.D (-394) (-)

2.41

Time-->



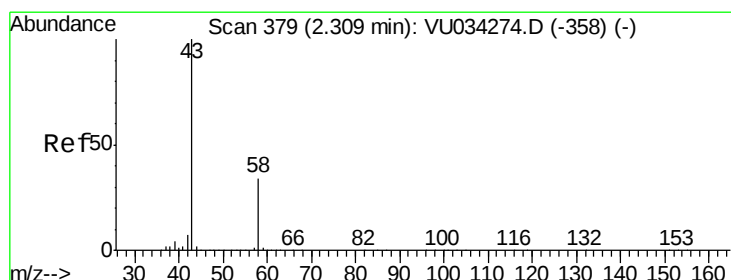
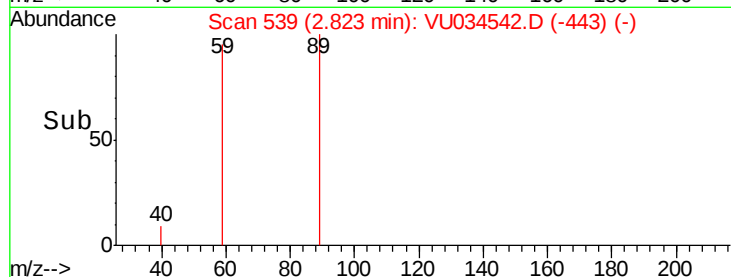
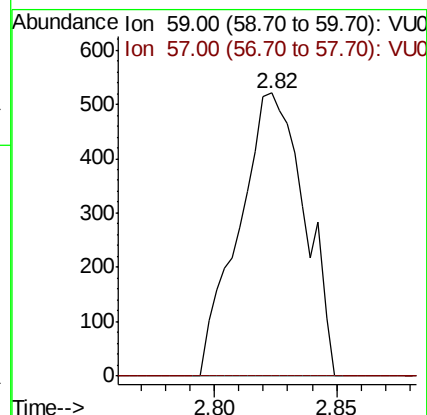
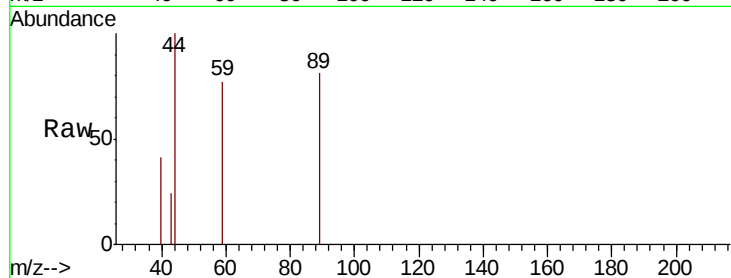


#11

Tert butyl alcohol
 Concen: 1.234 ug/l
 RT: 2.82 min Scan# 539
 Delta R.T. 0.01 min
 Lab File: VU034542.D
 Acq: 12 Sep 2019 23:49

Instrument :
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 ClientSampleId :
 CPA-SW-15-M27W1-090619

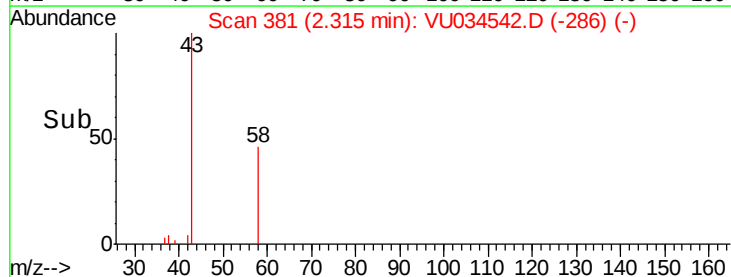
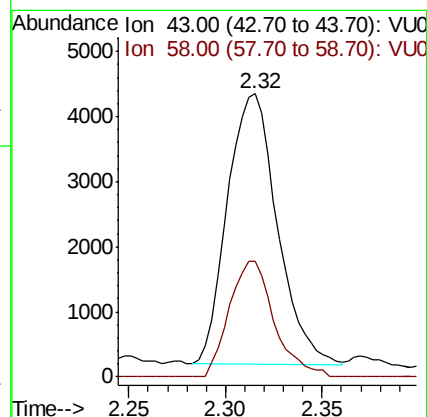
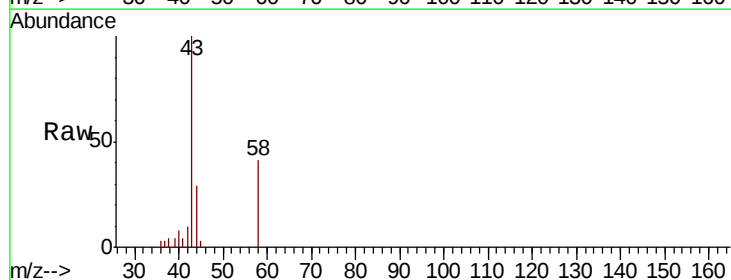
Tgt Ion: 59 Resp: 969
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

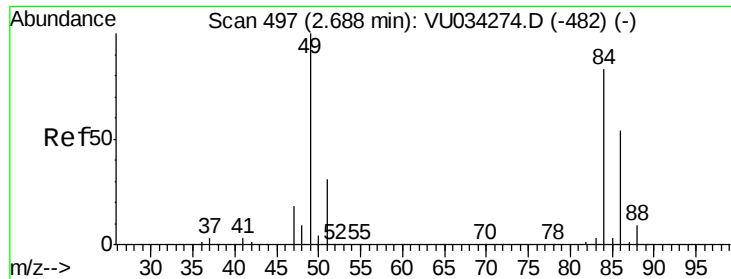


#16

Acetone
 Concen: 3.881 ug/l
 RT: 2.32 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VU034542.D
 Acq: 12 Sep 2019 23:49

Tgt Ion: 43 Resp: 7466
 Ion Ratio Lower Upper
 43 100
 58 42.9 27.6 41.4#

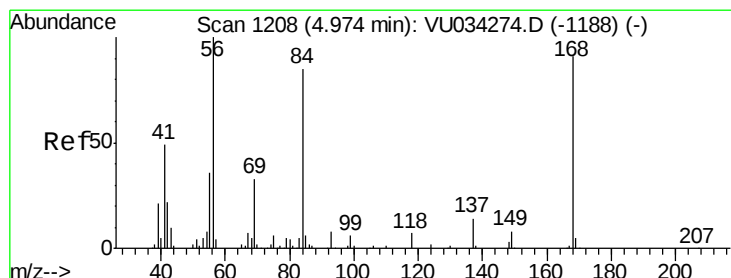
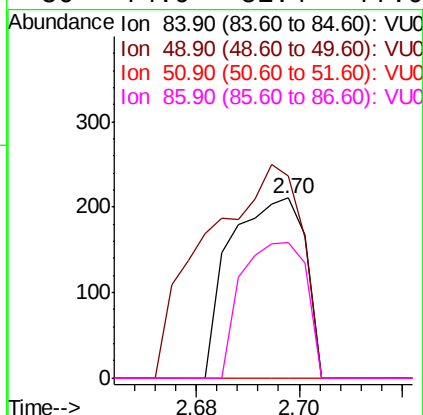
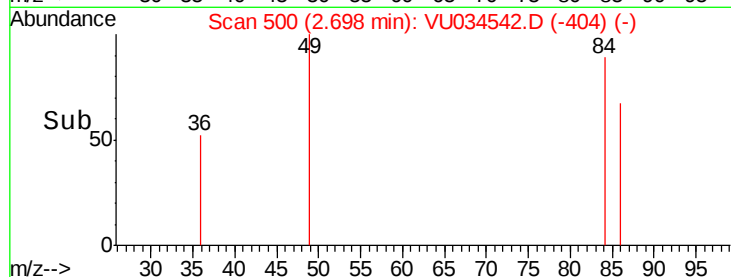
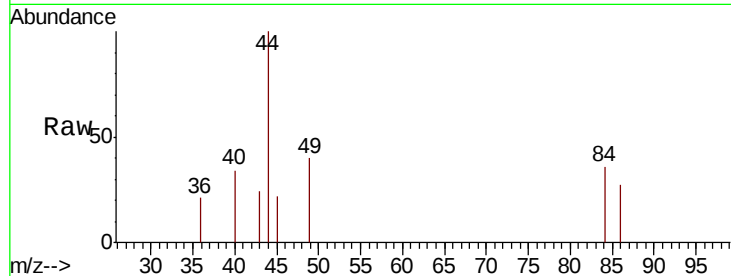




#20
Methylene Chloride
Concen: Below Cal
RT: 2.70 min Scan# 500
Delta R.T. 0.01 min
Lab File: VU034542.D
Acq: 12 Sep 2019 23:49

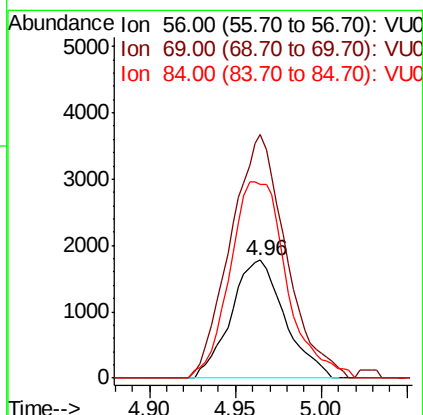
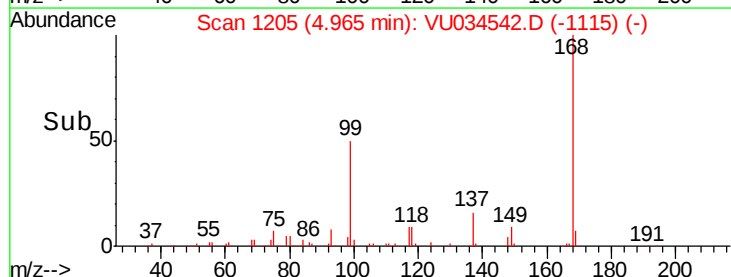
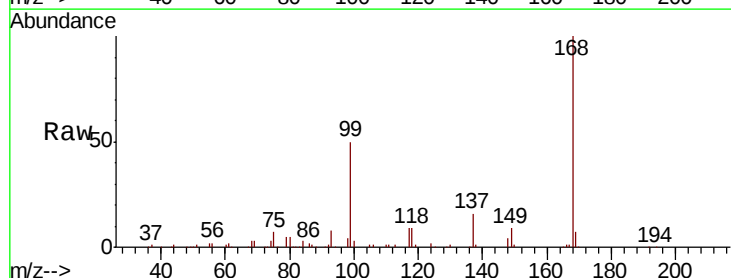
Instrument :
MSVOA_U
ClientSampleId :
CPA-SW-15-M27W1-090619

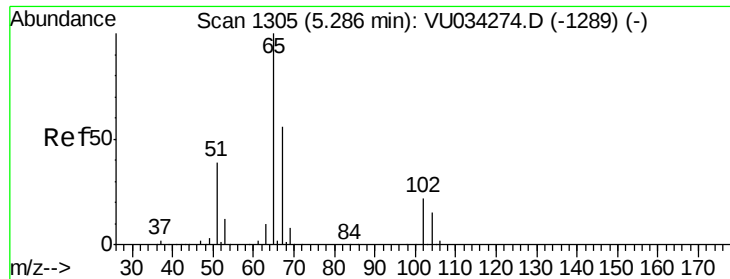
Tgt Ion: 84 Resp: 211
Ion Ratio Lower Upper
84 100
49 111.8 96.0 144.0
51 0.0 30.0 45.0#
86 74.9 51.4 77.0



#31
Cyclohexane
Concen: 0.891 ug/l
RT: 4.96 min Scan# 1205
Delta R.T. -0.01 min
Lab File: VU034542.D
Acq: 12 Sep 2019 23:49

Tgt Ion: 56 Resp: 3881
Ion Ratio Lower Upper
56 100
69 206.5 26.7 40.1#
84 164.2 68.2 102.4#

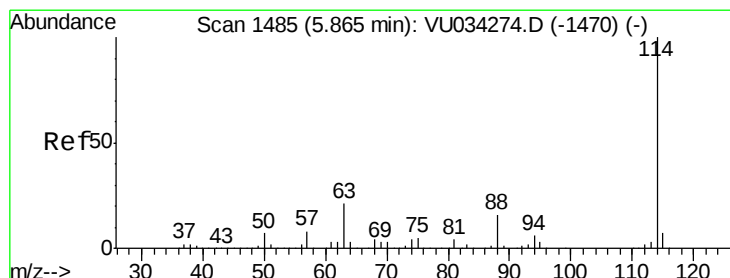
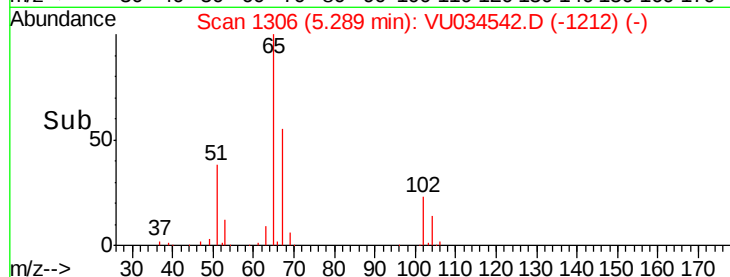
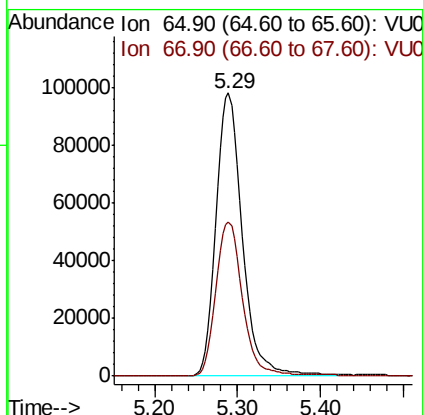
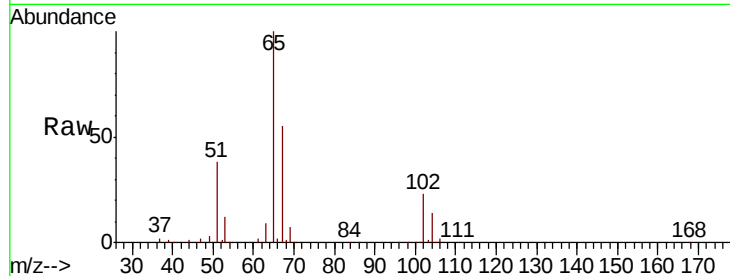




#33
 1,2-Dichloroethane-d4
 Concen: 58.218 ug/l
 RT: 5.29 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU034542.D
 Acq: 12 Sep 2019 23:49

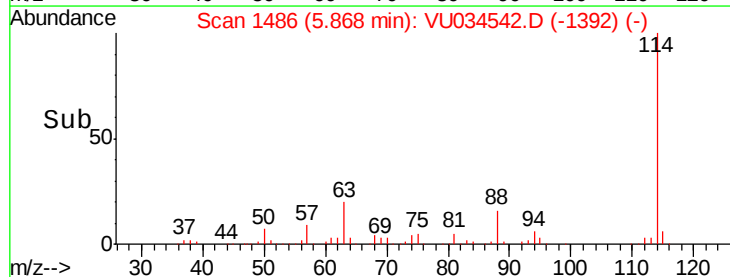
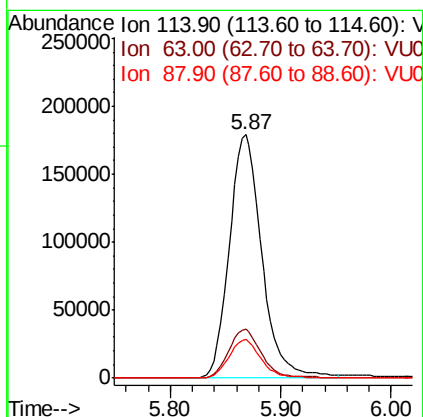
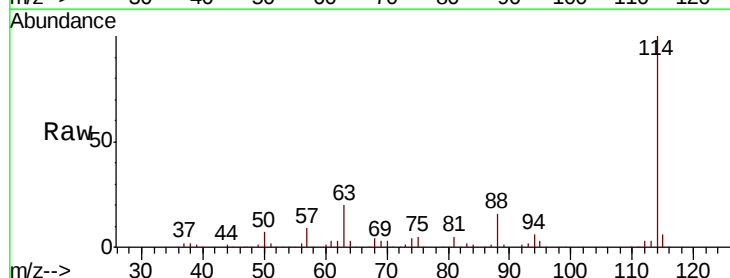
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 CPA-SW-15-M27W1-090619

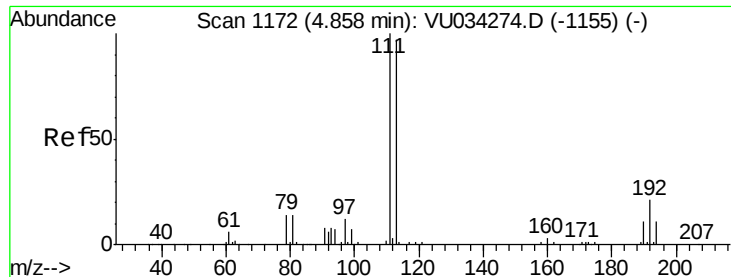
Tgt Ion: 65 Resp: 216438
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 112.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034542.D
 Acq: 12 Sep 2019 23:49

Tgt Ion: 114 Resp: 366794
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 42.4
 88 15.9 0.0 32.4

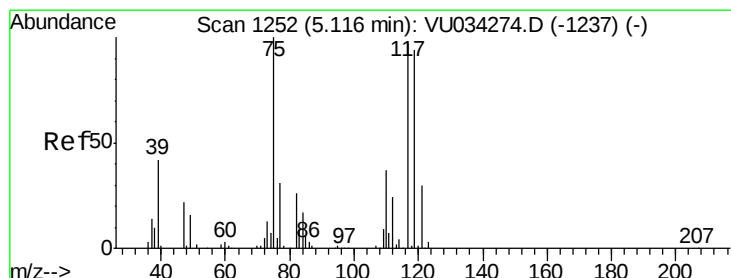
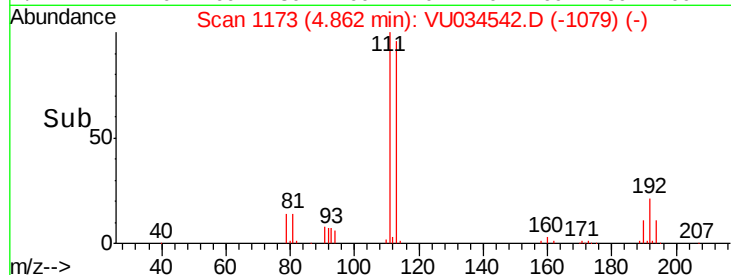
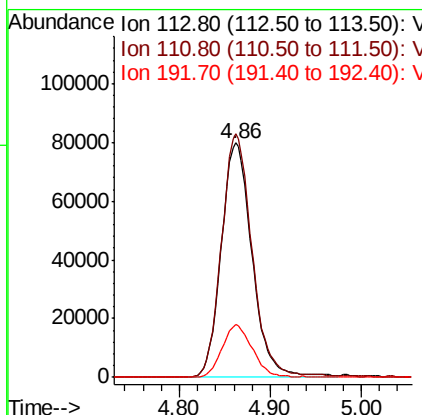
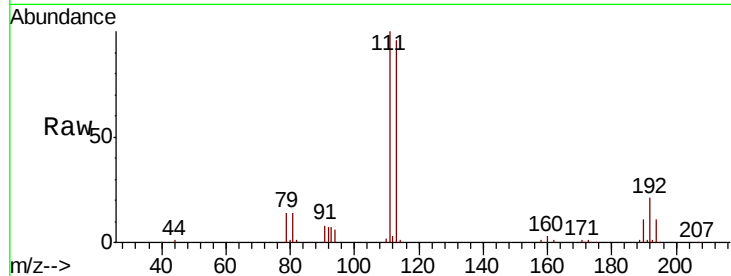




#35
 Dibromofluoromethane
 Concen: 55.229 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034542.D
 Acq: 12 Sep 2019 23:49

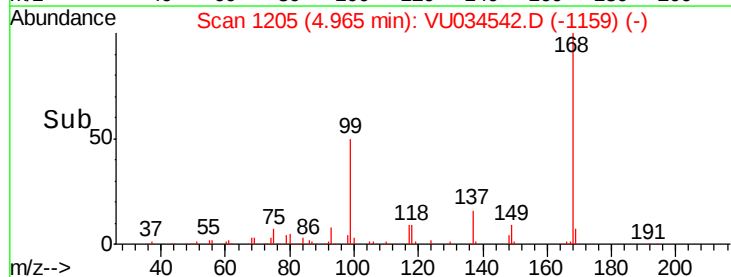
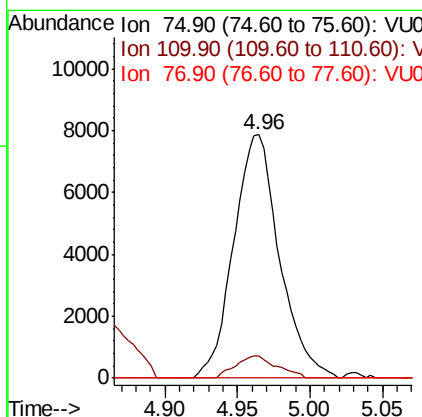
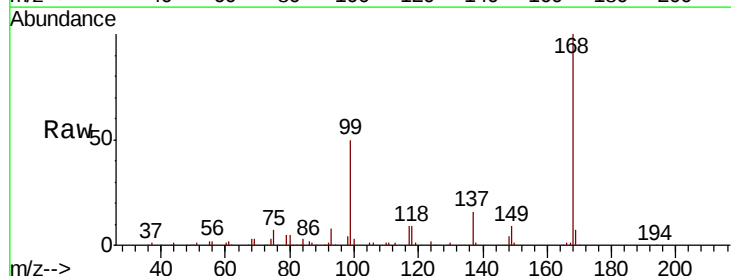
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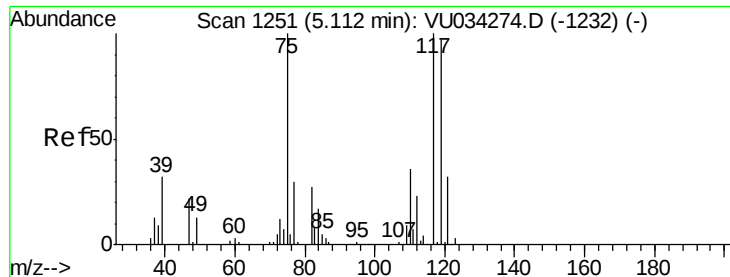
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.5	122.3
192	22.0	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 4.337 ug/l
 RT: 4.96 min Scan# 1205
 Delta R.T. -0.15 min
 Lab File: VU034542.D
 Acq: 12 Sep 2019 23:49

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: 5.223 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.15 min

Lab File: VU034542.D

Acq: 12 Sep 2019 23:49

Instrument :

MSVOA_U

ClientSampleId :

CPA-SW-15-M27W1-090619

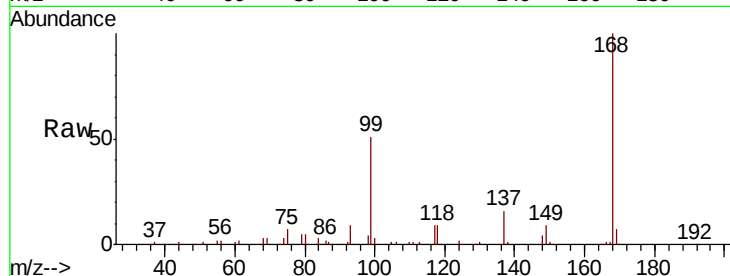
Tgt Ion:117 Resp: 22185

Ion Ratio Lower Upper

117 100

119 5.4 77.8 116.6#

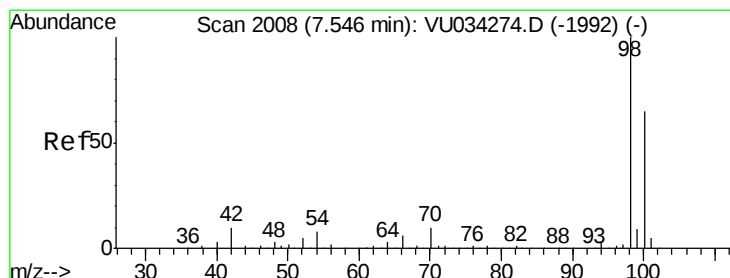
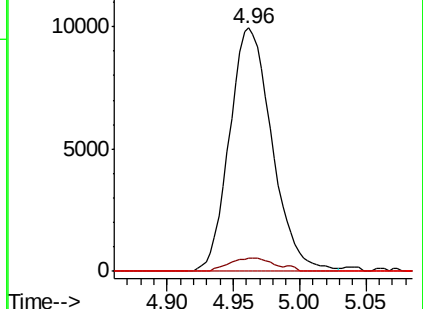
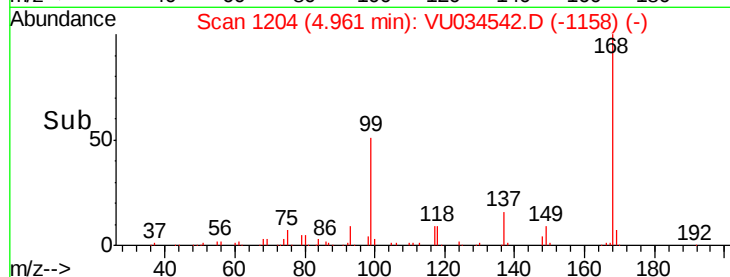
121 0.0 25.2 37.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 52.853 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VU034542.D

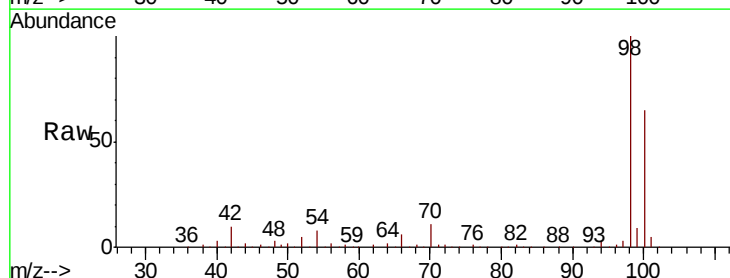
Acq: 12 Sep 2019 23:49

Tgt Ion: 98 Resp: 677726

Ion Ratio Lower Upper

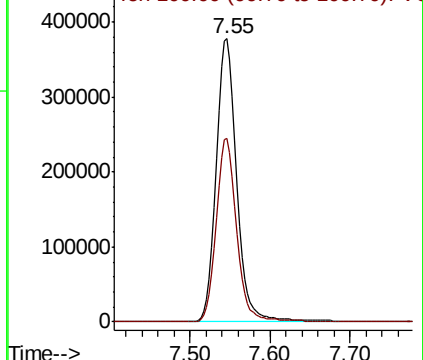
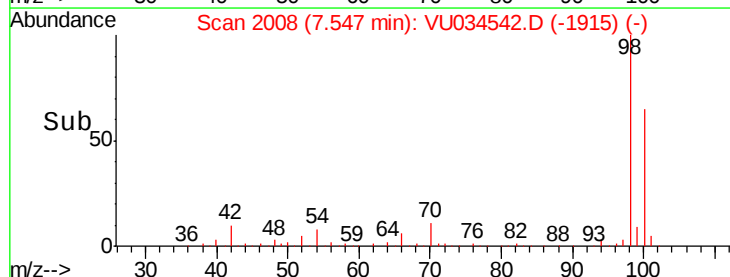
98 100

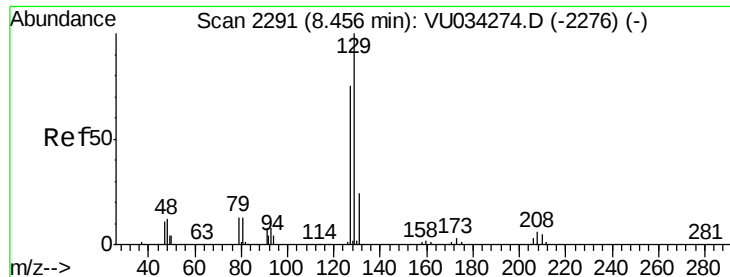
100 64.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#60

Dibromochloromethane

Concen: 0.382 ug/l

RT: 8.21 min Scan# 2215

Delta R.T. -0.24 min

Lab File: VU034542.D

Acq: 12 Sep 2019 23:49

Instrument :

MSVOA_U

ClientSampleId :

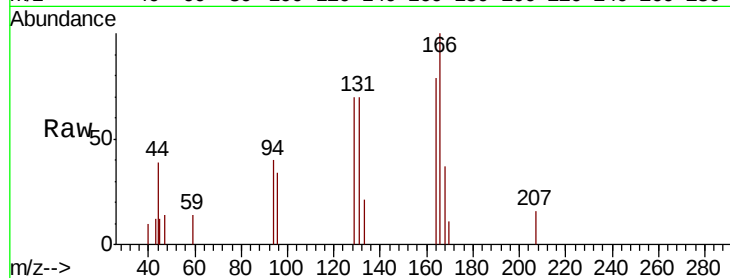
CPA-SW-15-M27W1-090619

Tgt Ion:129 Resp: 1497

Ion Ratio Lower Upper

129 100

127 0.0 37.9 113.7#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

8.21

1000

800

600

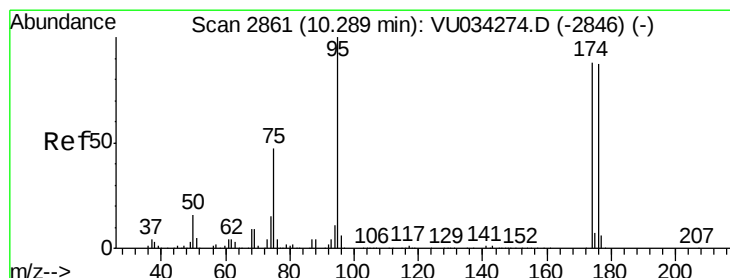
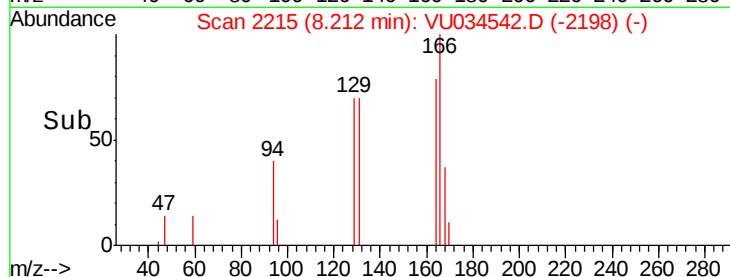
400

200

0

8.20 8.25

Time-->



#62

4-Bromofluorobenzene

Concen: 45.523 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034542.D

Acq: 12 Sep 2019 23:49

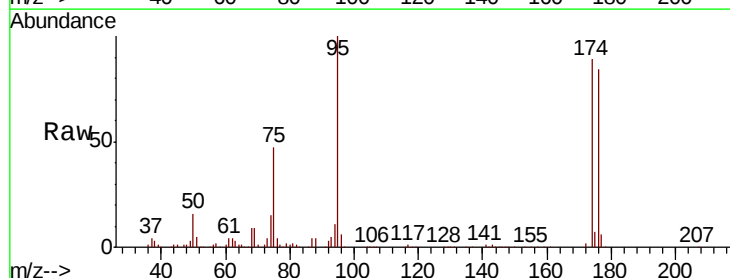
Tgt Ion: 95 Resp: 225375

Ion Ratio Lower Upper

95 100

174 90.1 0.0 175.2

176 85.0 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

150000

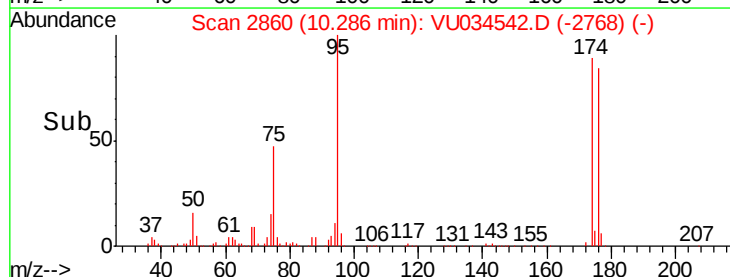
100000

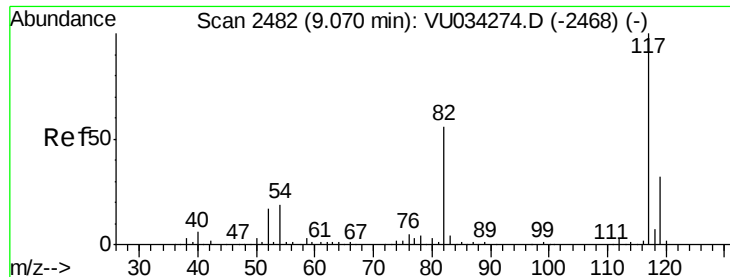
50000

0

10.20 10.30 10.40

Time-->

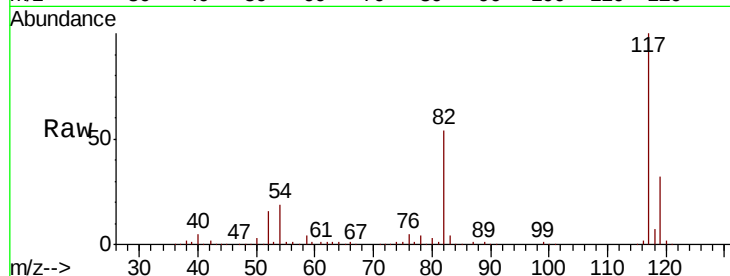




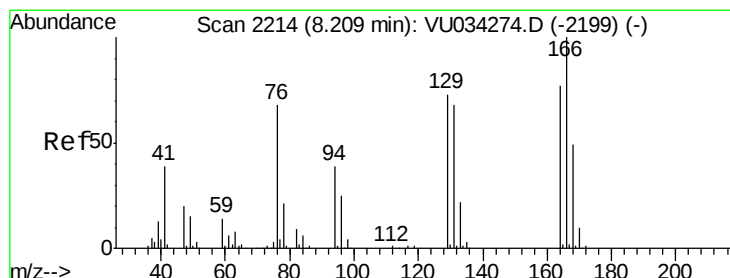
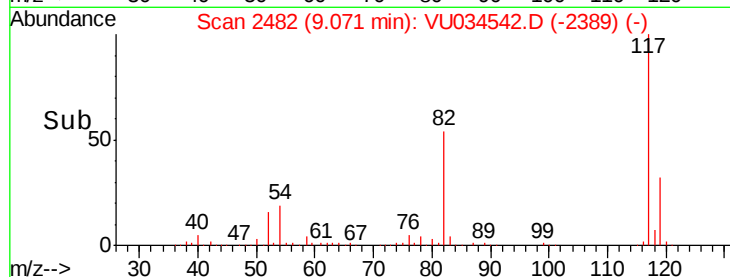
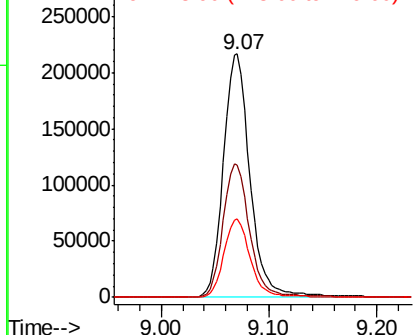
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034542.D
Acq: 12 Sep 2019 23:49

Instrument :
MSVOA_U
ClientSampleId :
CPA-SW-15-M27W1-090619

Tgt Ion:117 Resp: 373361
Ion Ratio Lower Upper
117 100
82 54.4 44.6 67.0
119 32.0 25.9 38.9

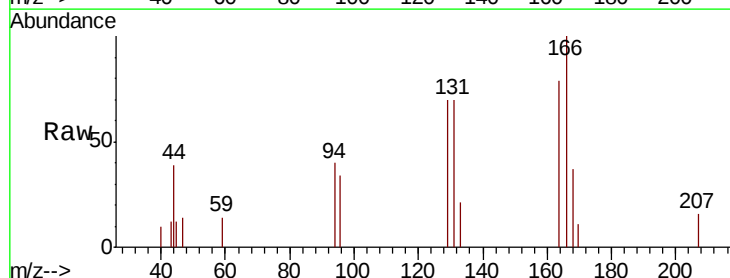


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

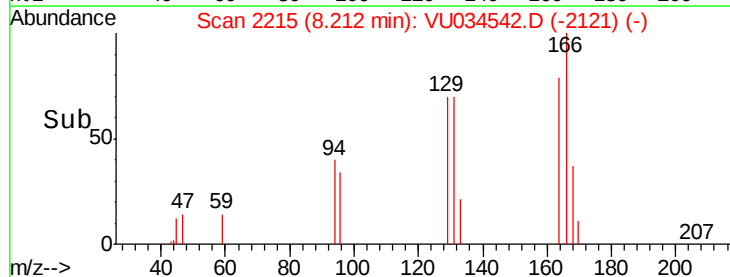
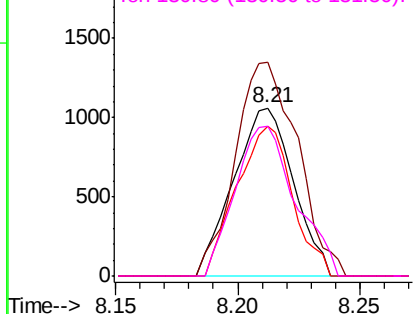


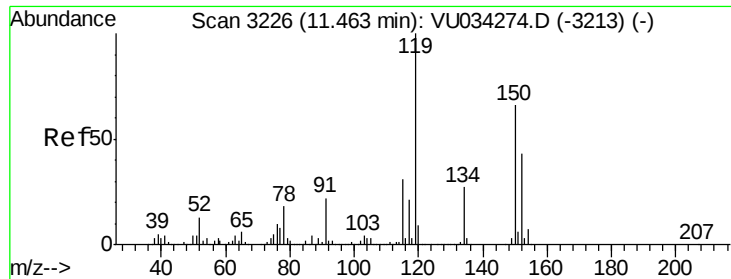
#64
Tetrachloroethene
Concen: 0.558 ug/l
RT: 8.21 min Scan# 2215
Delta R.T. 0.00 min
Lab File: VU034542.D
Acq: 12 Sep 2019 23:49

Tgt Ion:164 Resp: 1806
Ion Ratio Lower Upper
164 100
166 127.2 103.7 155.5
129 89.3 75.8 113.8
131 89.0 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: VU034542.D

Acq: 12 Sep 2019 23:49

Instrument :

MSVOA_U

ClientSampleId :

CPA-SW-15-M27W1-090619

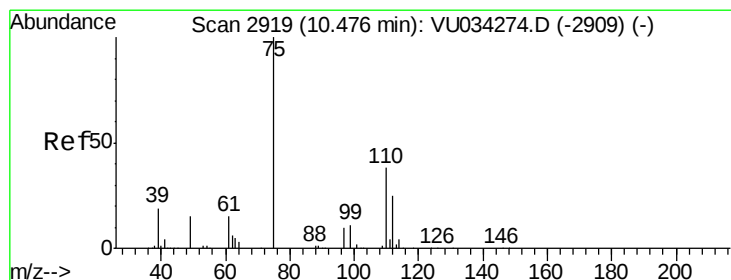
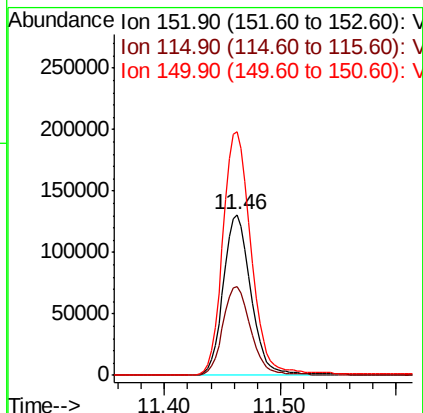
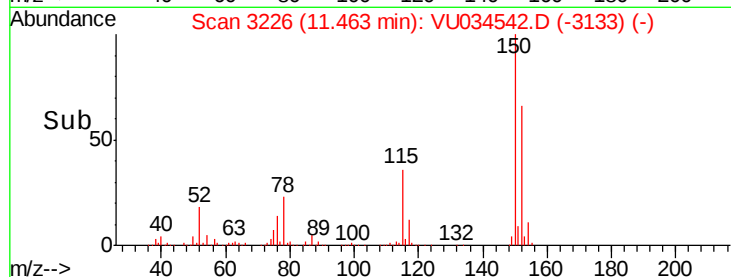
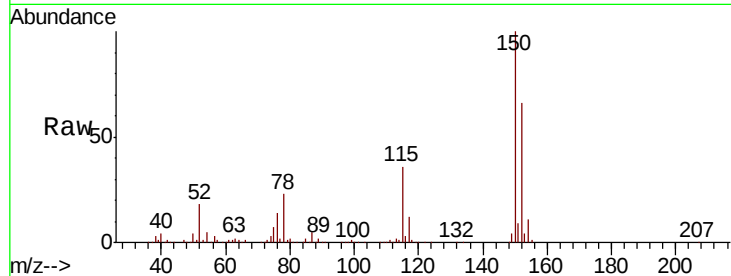
Tgt Ion:152 Resp: 216483

Ion Ratio Lower Upper

152 100

115 55.6 39.1 117.3

150 155.4 0.0 345.4



#76

1,2,3-Trichloropropane

Concen: 22.233 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.19 min

Lab File: VU034542.D

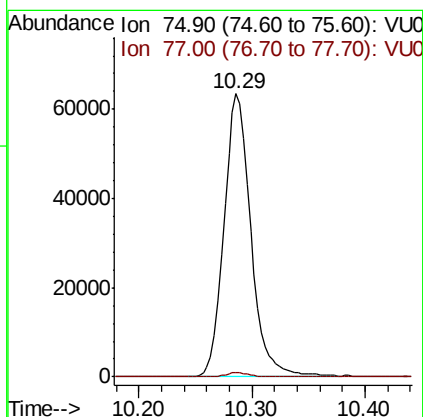
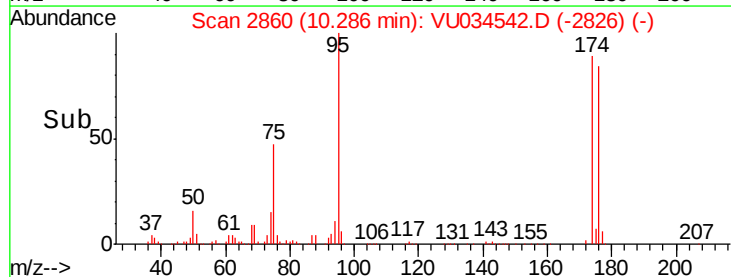
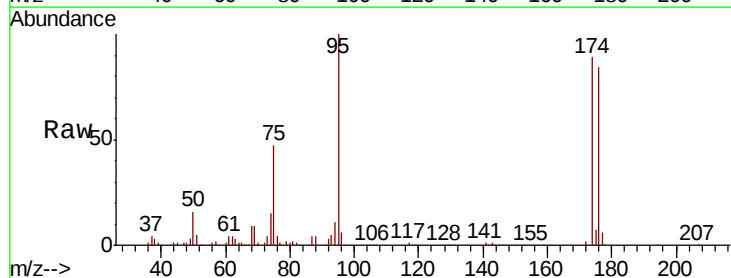
Acq: 12 Sep 2019 23:49

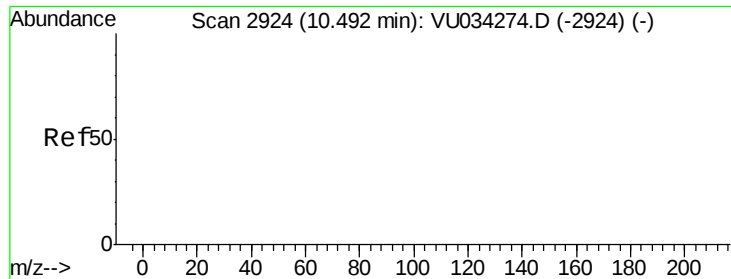
Tgt Ion: 75 Resp: 105062

Ion Ratio Lower Upper

75 100

77 1.3 20.8 62.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.769 ug/l
 RT: 10.29 min Scan# 2860
 Delta R.T. -0.21 min
 Lab File: VU034542.D
 Acq: 12 Sep 2019 23:49

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-SW-15-M27W1-090619

Tgt Ion: 75 Resp: 105062
 Ion Ratio Lower Upper
 75 100
 53 0.1 0.0 0.0#
 89 0.0 0.0 0.0

