

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091219\
 Data File : VU034512.D
 Acq On : 12 Sep 2019 11:56
 Operator : JC/SP
 Sample : K4756-22
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-SW-3-M27W1-090619

Quant Time: Sep 13 07:06:22 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	216238	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	319511	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	315519	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	174601	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	197183	60.27	ug/l	0.00
Spiked Amount			Recovery	=	120.54%	
35) Dibromofluoromethane	4.86	113	174032	58.54	ug/l	0.00
Spiked Amount			Recovery	=	117.08%	
50) Toluene-d8	7.55	98	587286	52.58	ug/l	0.00
Spiked Amount			Recovery	=	105.16%	
62) 4-Bromofluorobenzene	10.29	95	203238	47.13	ug/l	0.00
Spiked Amount			Recovery	=	94.26%	

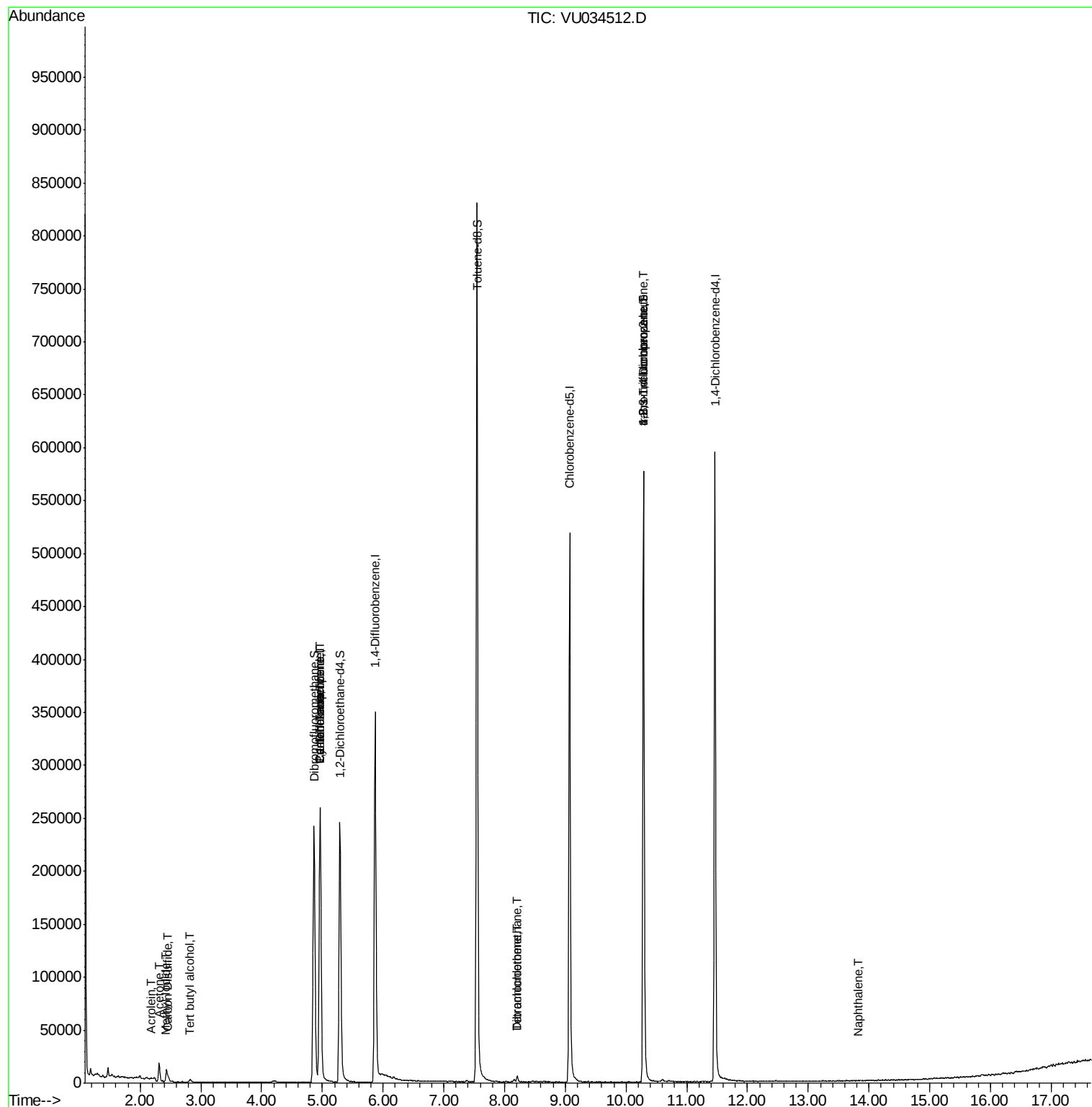
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	683	Below Cal		94
6) Chloroethane	1.68	64	78	Below Cal	#	43
10) Methyl Iodide	2.41	142	133	3.900	ug/l #	43
11) Tert butyl alcohol	2.82	59	2274	3.290	ug/l #	73
13) Acrolein	2.19	56	187	0.322	ug/l #	18
16) Acetone	2.31	43	18483	10.917	ug/l	93
17) Carbon Disulfide	2.47	76	3942	0.746	ug/l	97
20) Methylene Chloride	2.69	84	159	Below Cal	#	70
31) Cyclohexane	4.96	56	3564	0.930	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	14791	4.269	ug/l #	48
38) Carbon Tetrachloride	4.96	117	20329	5.495	ug/l #	17
60) Dibromochloromethane	8.21	129	1360	0.398	ug/l #	12
64) Tetrachloroethene	8.21	164	1613	0.589	ug/l #	86
76) 1,2,3-Trichloropropane	10.29	75	93944	24.649	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.29	75	93944	82.894	ug/l #	100
95) Naphthalene	13.82	128	53	3.970	ug/l #	69

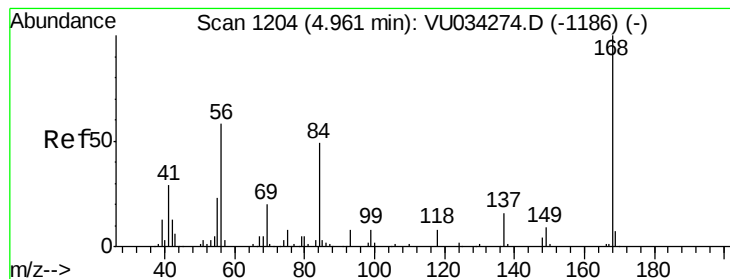
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU091219\
Data File : VU034512.D
Acq On : 12 Sep 2019 11:56
Operator : JC/SP
Sample : K4756-22
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
CPA-SW-3-M27W1-090619

Quant Time: Sep 13 07:06:22 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# 1205

Delta R.T. 0.00 min

Lab File: VU034512.D

Acq: 12 Sep 2019 11:56

Instrument :

MSVOA_U

ClientSampleId :

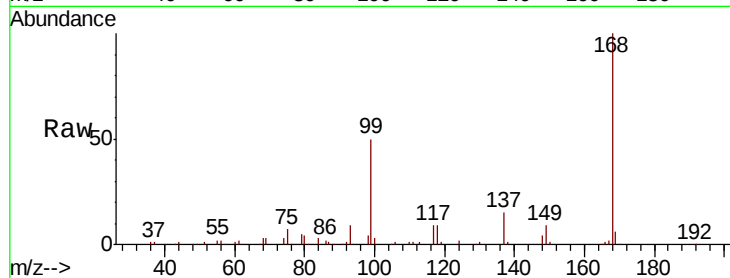
CPA-SW-3-M27W1-090619

Tgt Ion: 168 Resp: 216238

Ion Ratio Lower Upper

168 100

99 49.9 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): VU034512.D (-1111) (-)

Ion 98.90 (98.60 to 99.60): VU034512.D (-1111) (-)

4.96

100000

80000

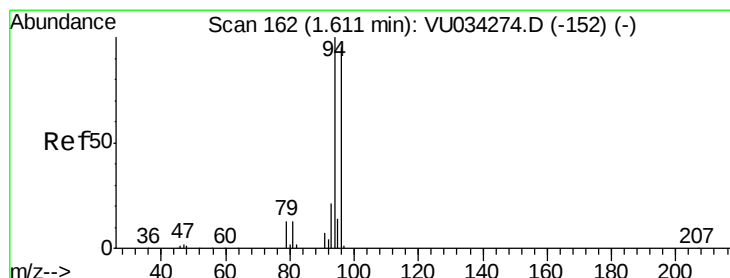
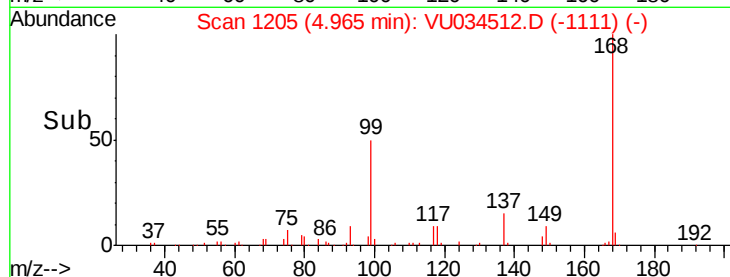
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 167

Delta R.T. 0.02 min

Lab File: VU034512.D

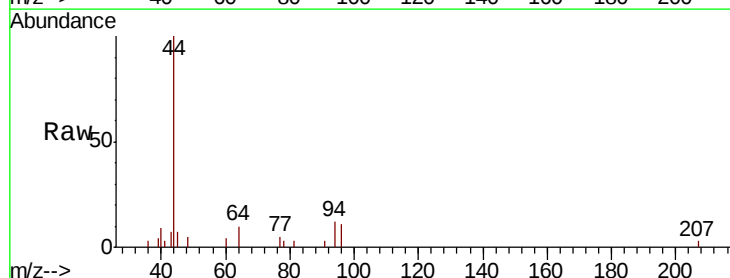
Acq: 12 Sep 2019 11:56

Tgt Ion: 94 Resp: 683

Ion Ratio Lower Upper

94 100

96 88.3 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VU034512.D (-68) (-)

Ion 95.90 (95.60 to 96.60): VU034512.D (-68) (-)

1.63

400

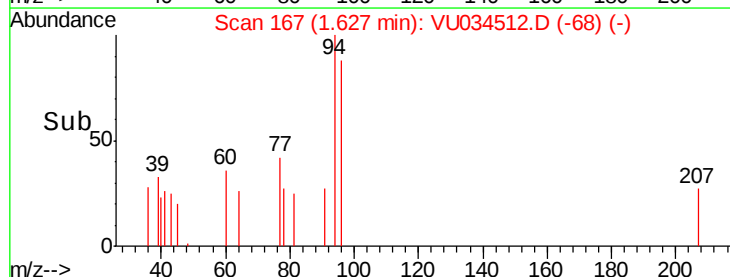
300

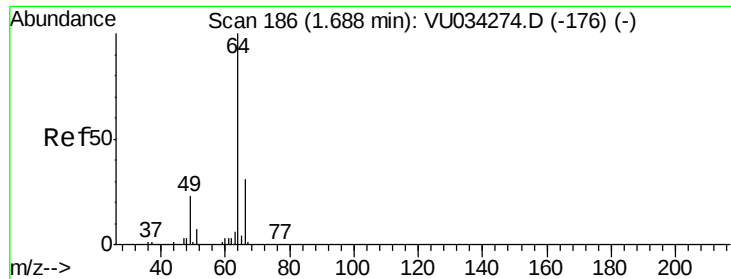
200

100

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 182

Delta R.T. -0.01 min

Lab File: VU034512.D

Acq: 12 Sep 2019 11:56

Instrument :

MSVOA_U

ClientSampleId :

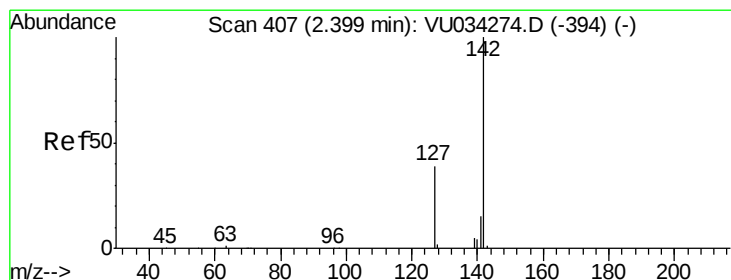
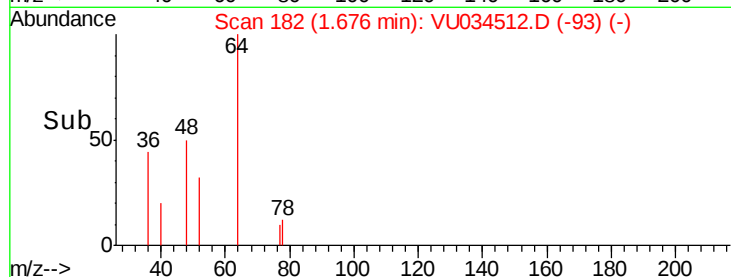
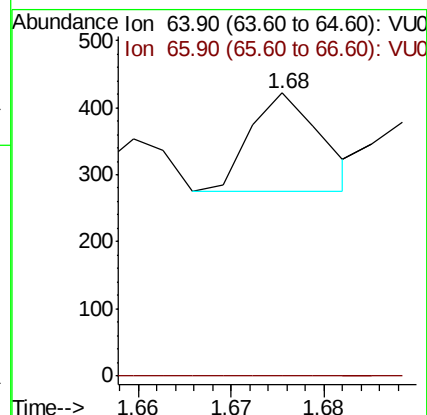
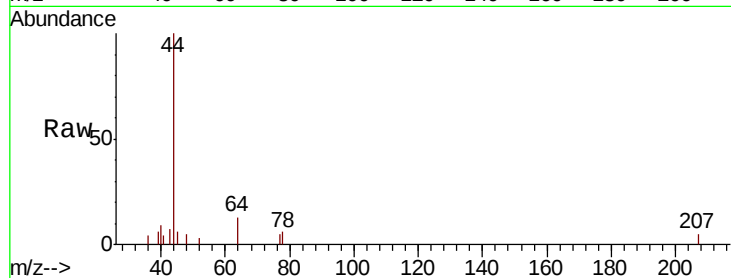
CPA-SW-3-M27W1-090619

Tgt Ion: 64 Resp: 78

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#



#10

Methyl Iodide

Concen: 3.900 ug/l

RT: 2.41 min Scan# 409

Delta R.T. 0.01 min

Lab File: VU034512.D

Acq: 12 Sep 2019 11:56

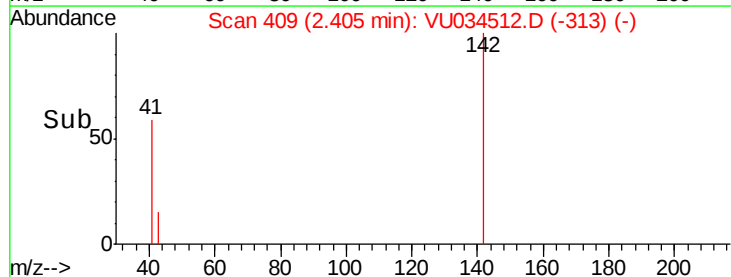
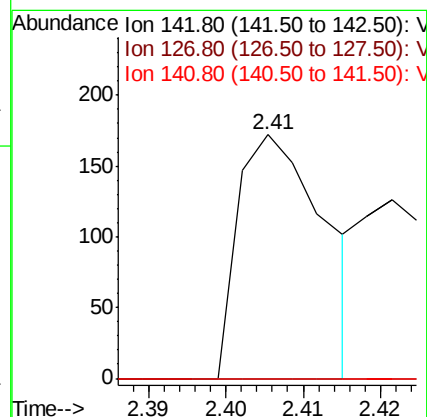
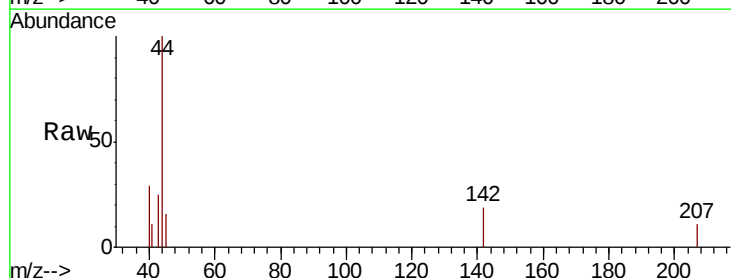
Tgt Ion: 142 Resp: 133

Ion Ratio Lower Upper

142 100

127 0.0 32.1 48.1#

141 0.0 11.5 17.3#



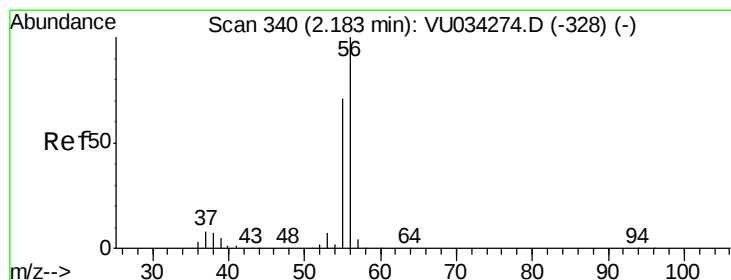
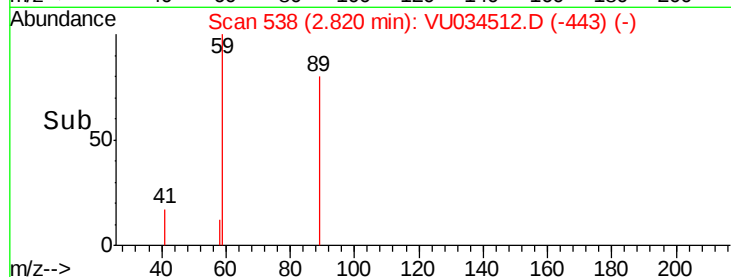
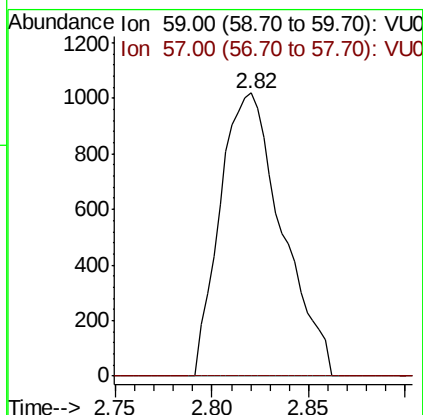
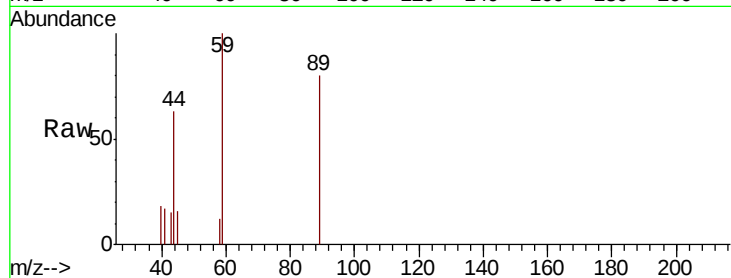


#11

Tert butyl alcohol
 Concen: 3.290 ug/l
 RT: 2.82 min Scan# 538
 Delta R.T. 0.01 min
 Lab File: VU034512.D
 Acq: 12 Sep 2019 11:56

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-SW-3-M27W1-090619

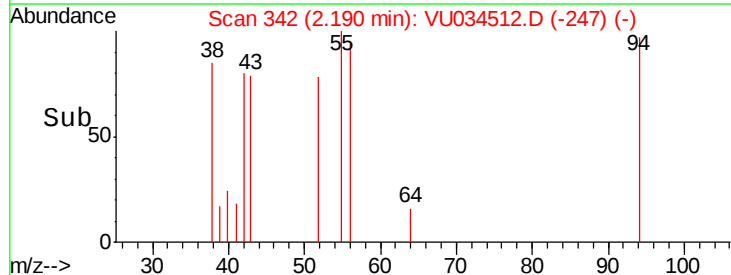
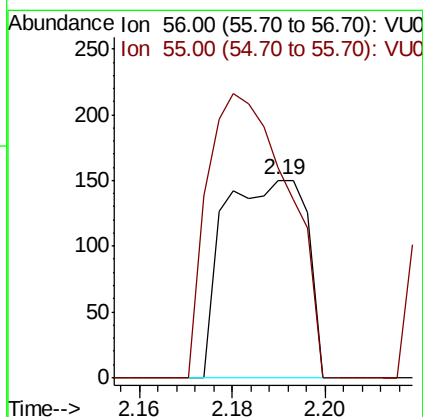
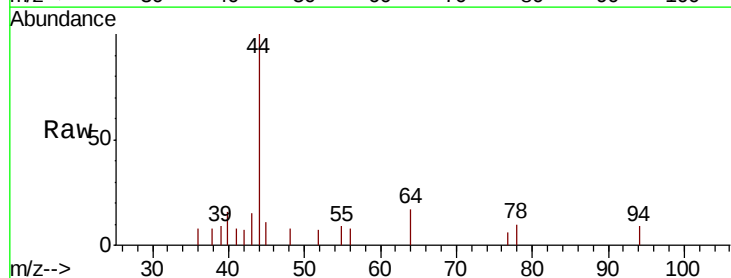
Tgt Ion: 59 Resp: 2274
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

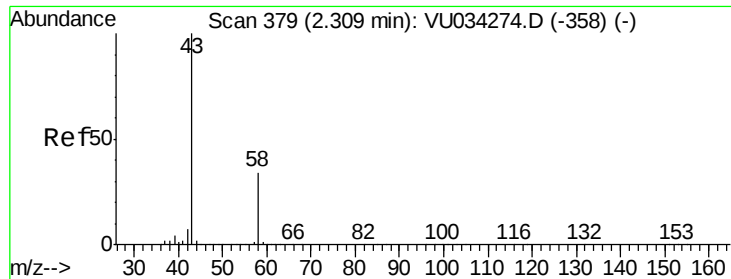


#13

Acrolein
 Concen: 0.322 ug/l
 RT: 2.19 min Scan# 342
 Delta R.T. 0.01 min
 Lab File: VU034512.D
 Acq: 12 Sep 2019 11:56

Tgt Ion: 56 Resp: 187
 Ion Ratio Lower Upper
 56 100
 55 140.1 57.4 86.2#





#16

Acetone

Concen: 10.917 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034512.D

Acq: 12 Sep 2019 11:56

Instrument :

MSVOA_U

ClientSampleId :

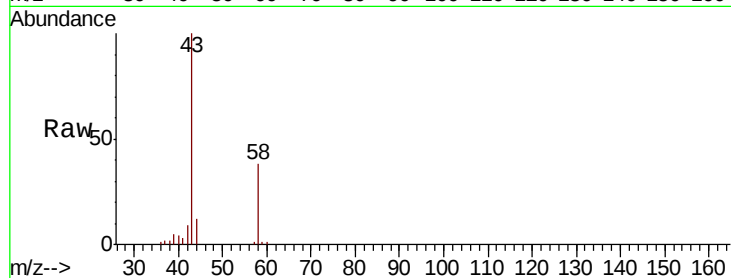
CPA-SW-3-M27W1-090619

Tgt Ion: 43 Resp: 18483

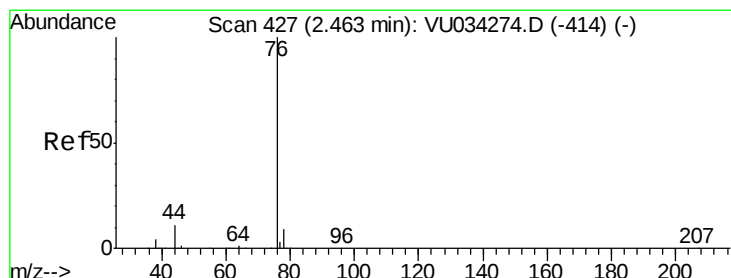
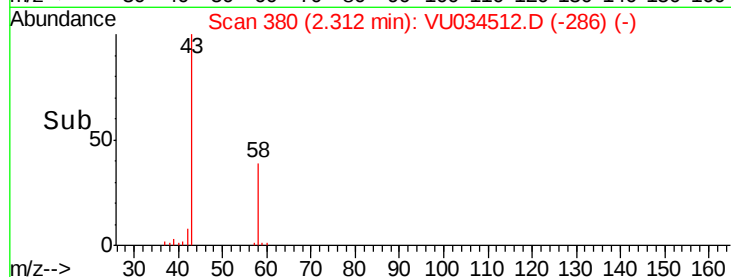
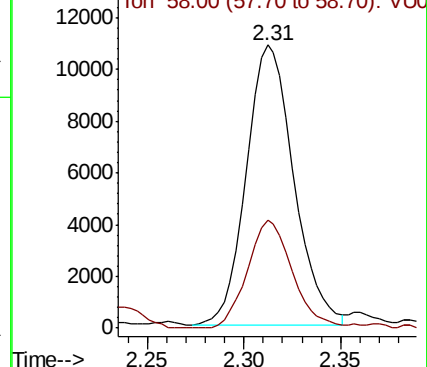
Ion Ratio Lower Upper

43 100

58 38.4 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VU034512.D (-358) (-)



#17

Carbon Disulfide

Concen: 0.746 ug/l

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VU034512.D

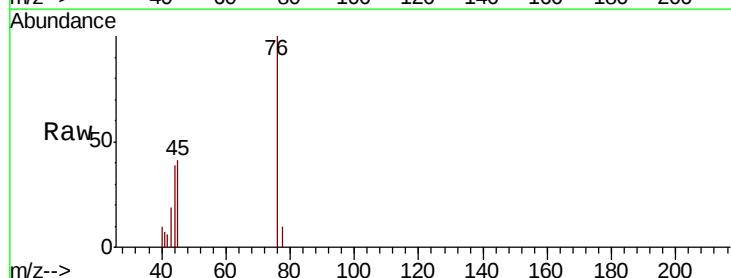
Acq: 12 Sep 2019 11:56

Tgt Ion: 76 Resp: 3942

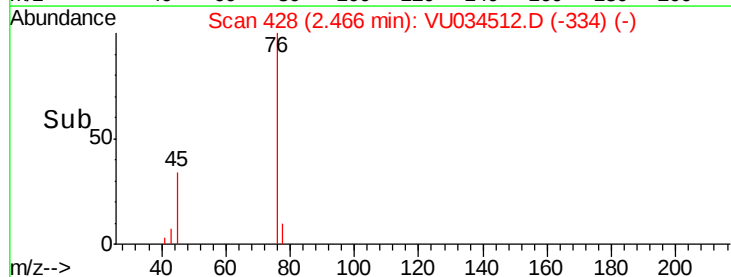
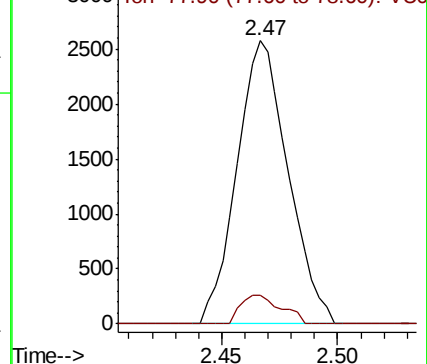
Ion Ratio Lower Upper

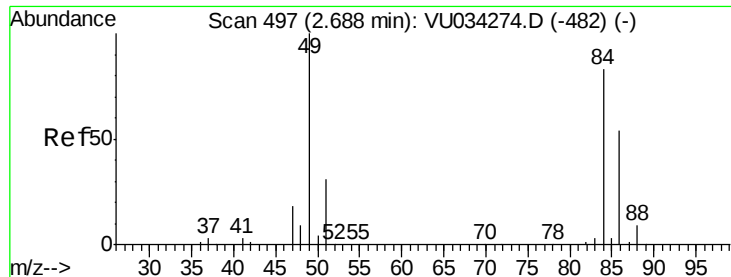
76 100

78 10.1 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VU034512.D (-334) (-)

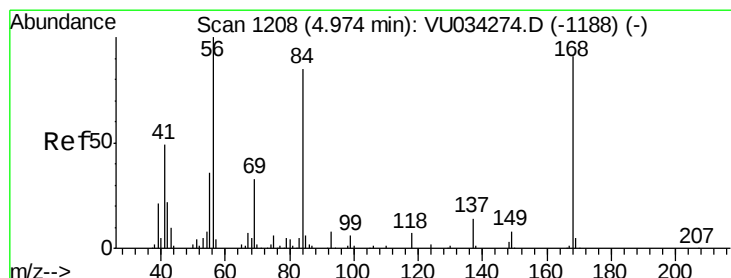
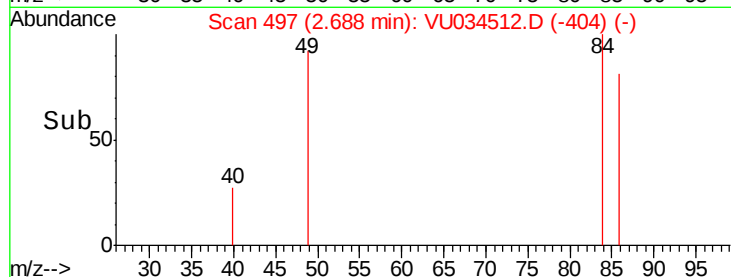
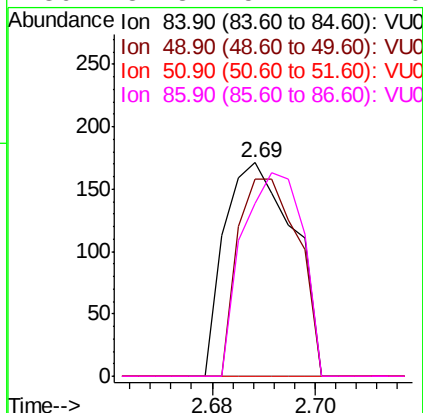
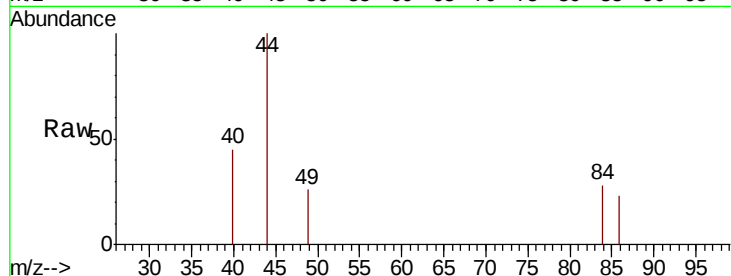




#20
Methylene Chloride
Concen: Below Cal
RT: 2.69 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU034512.D
Acq: 12 Sep 2019 11:56

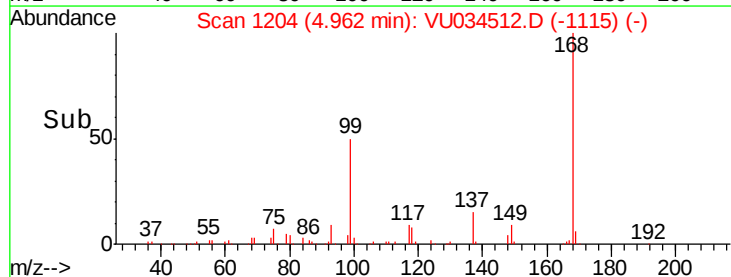
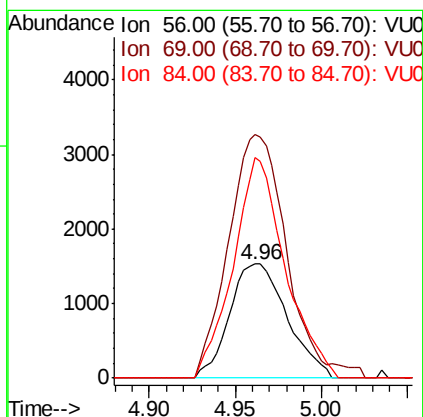
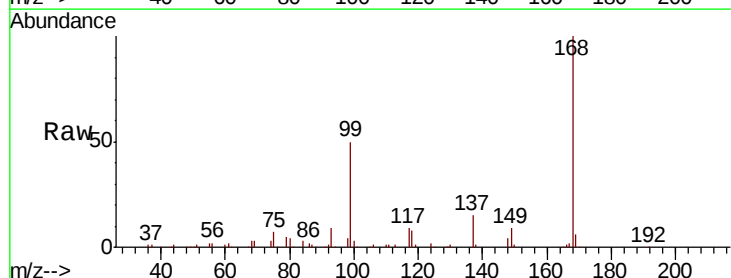
Instrument :
MSVOA_U
ClientSampleId :
CPA-SW-3-M27W1-090619

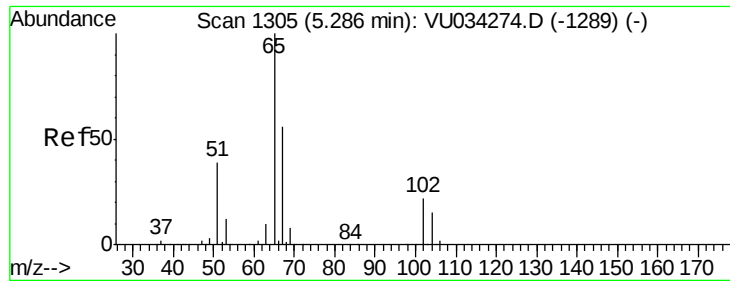
Tgt Ion: 84 Resp: 159
Ion Ratio Lower Upper
84 100
49 92.4 96.0 144.0#
51 0.0 30.0 45.0#
86 81.3 51.4 77.0#



#31
Cyclohexane
Concen: 0.930 ug/l
RT: 4.96 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VU034512.D
Acq: 12 Sep 2019 11:56

Tgt Ion: 56 Resp: 3564
Ion Ratio Lower Upper
56 100
69 213.3 26.7 40.1#
84 192.7 68.2 102.4#

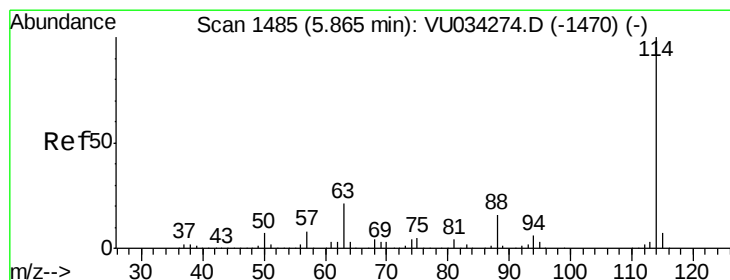
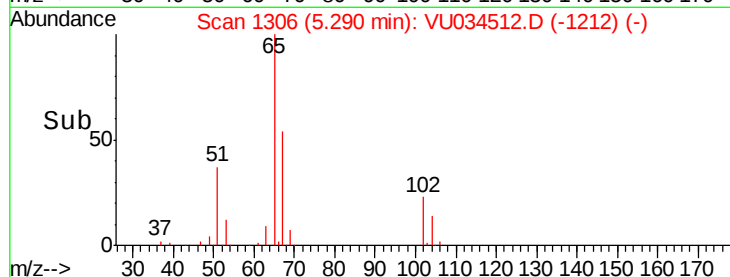
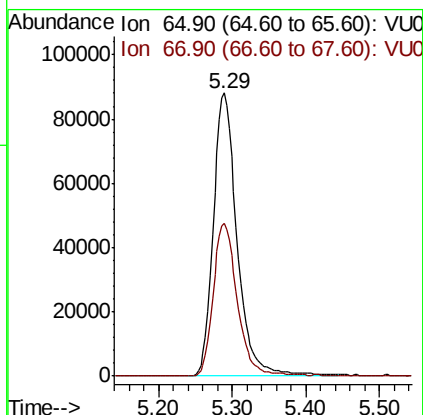
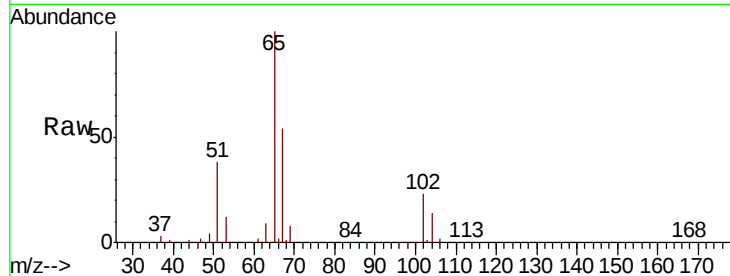




#33
 1,2-Dichloroethane-d4
 Concen: 60.268 ug/l
 RT: 5.29 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU034512.D
 Acq: 12 Sep 2019 11:56

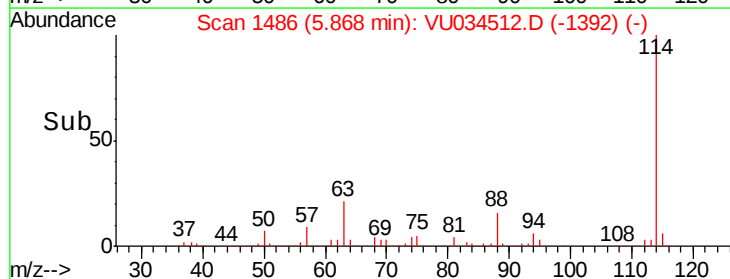
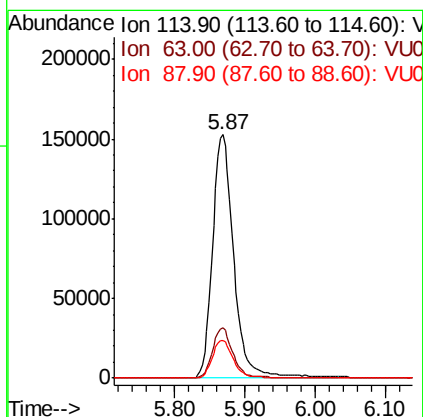
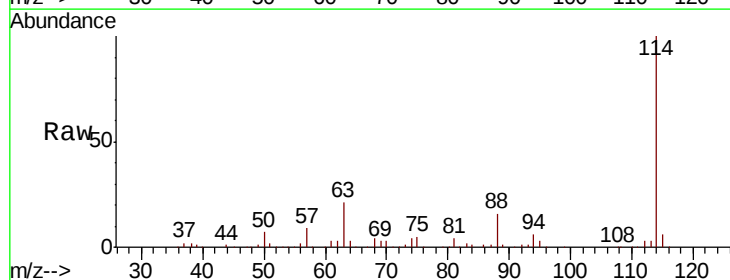
Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-SW-3-M27W1-090619

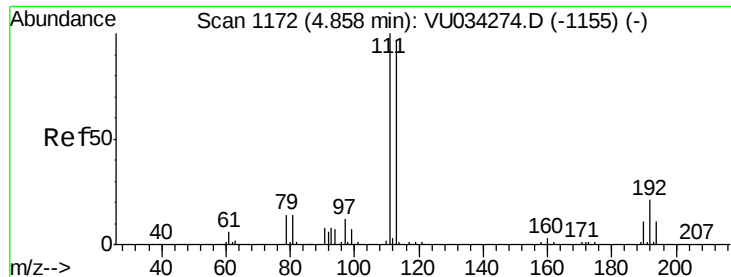
Tgt Ion: 65 Resp: 197183
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 112.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034512.D
 Acq: 12 Sep 2019 11:56

Tgt Ion: 114 Resp: 319511
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 42.4
 88 15.5 0.0 32.4

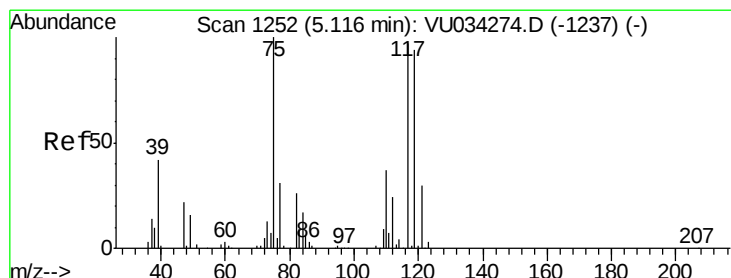
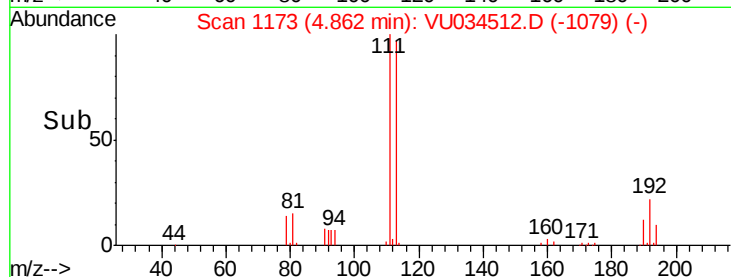
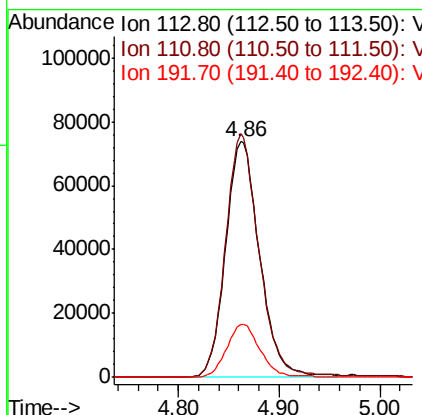
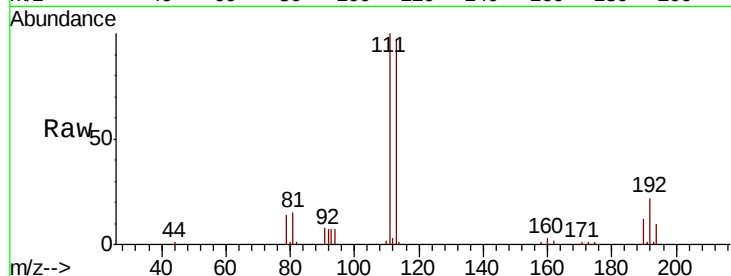




#35
 Dibromofluoromethane
 Concen: 58.536 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034512.D
 Acq: 12 Sep 2019 11:56

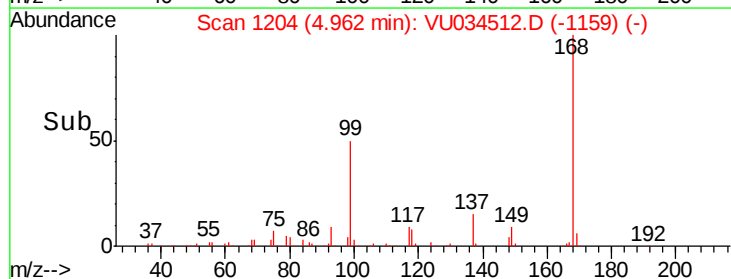
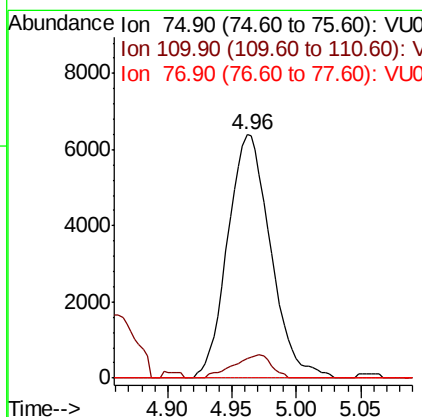
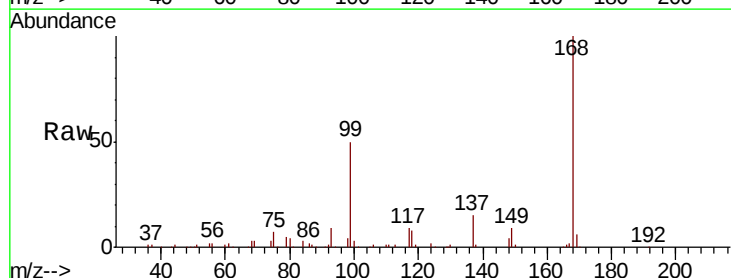
Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-SW-3-M27W1-090619

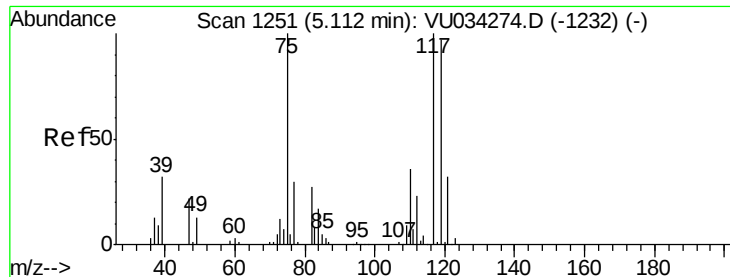
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.5	122.3
192	22.2	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 4.269 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034512.D
 Acq: 12 Sep 2019 11:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.3	54.9#
77	0.0	24.9	37.3#

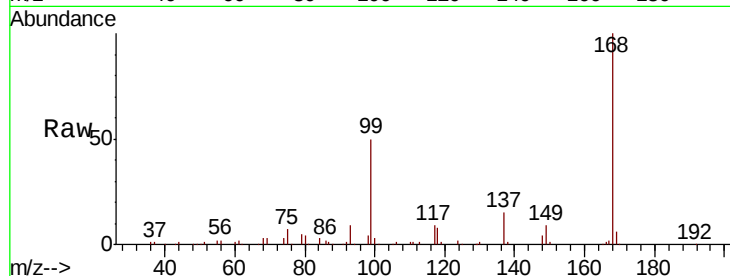




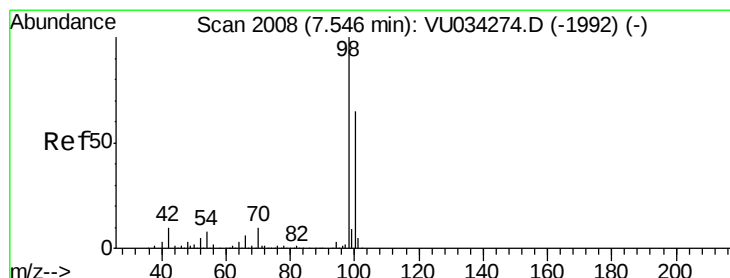
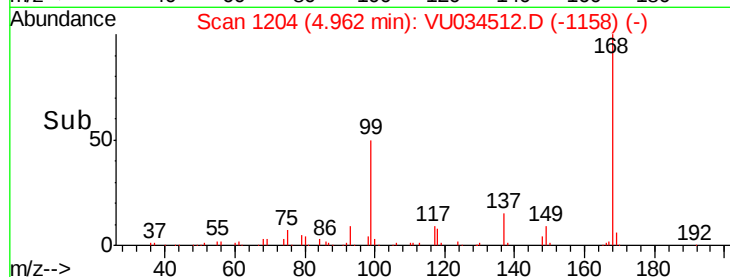
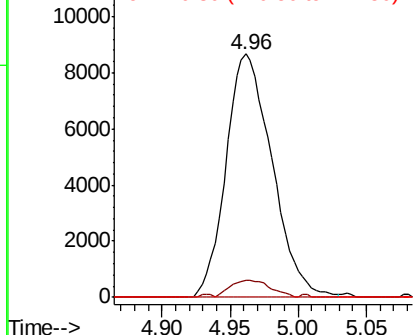
#38
Carbon Tetrachloride
Concen: 5.495 ug/l
RT: 4.96 min Scan# 1204
Delta R.T. -0.15 min
Lab File: VU034512.D
Acq: 12 Sep 2019 11:56

Instrument :
MSVOA_U
ClientSampleId :
CPA-SW-3-M27W1-090619

Tgt Ion:117 Resp: 20329
Ion Ratio Lower Upper
117 100
119 6.9 77.8 116.6#
121 0.0 25.2 37.8#

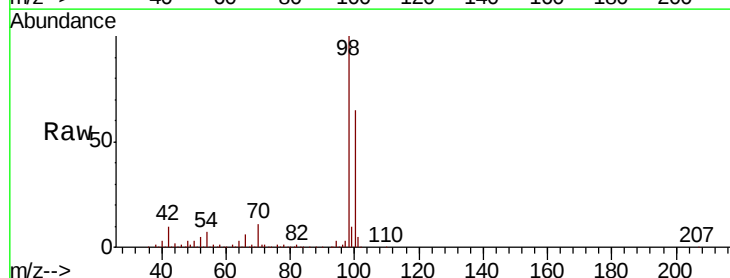


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

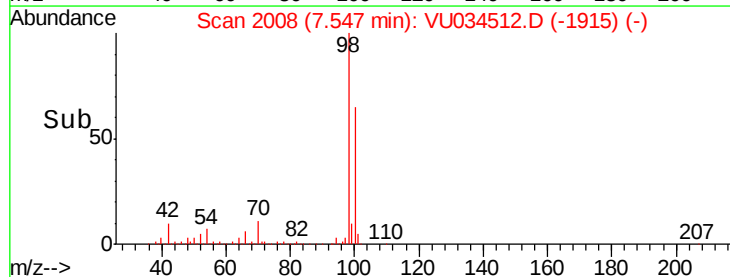
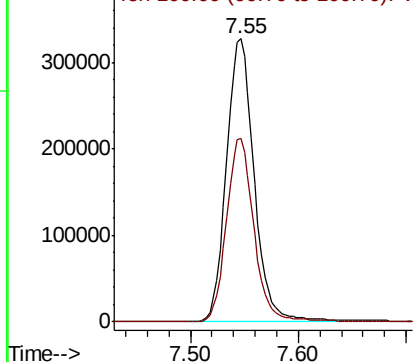


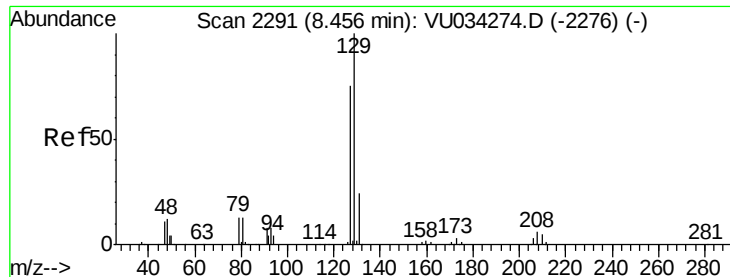
#50
Toluene-d8
Concen: 52.578 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034512.D
Acq: 12 Sep 2019 11:56

Tgt Ion: 98 Resp: 587286
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: 0.398 ug/l

RT: 8.21 min Scan# 2214

Delta R.T. -0.25 min

Lab File: VU034512.D

Acq: 12 Sep 2019 11:56

Instrument :

MSVOA_U

ClientSampleId :

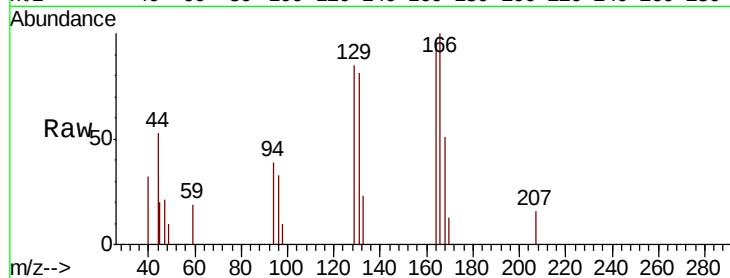
CPA-SW-3-M27W1-090619

Tgt Ion:129 Resp: 1360

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

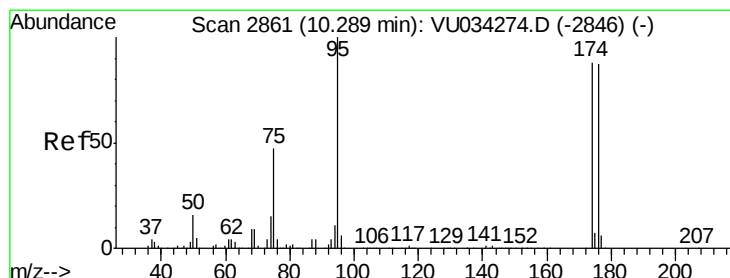
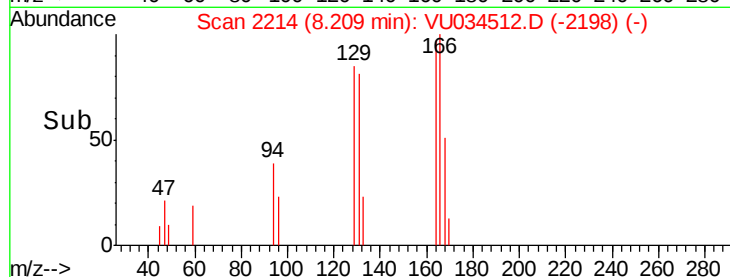
400

200

0

8.20 8.25

Time-->



#62

4-Bromofluorobenzene

Concen: 47.126 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034512.D

Acq: 12 Sep 2019 11:56

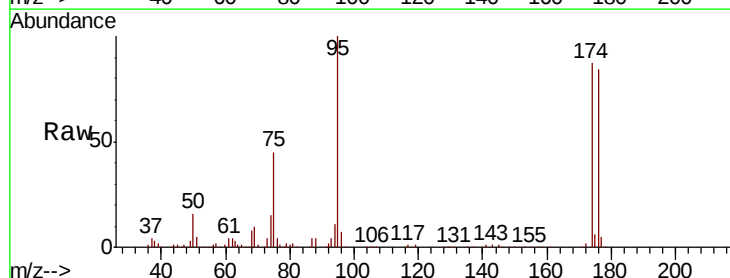
Tgt Ion: 95 Resp: 203238

Ion Ratio Lower Upper

95 100

174 89.3 0.0 175.2

176 84.7 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

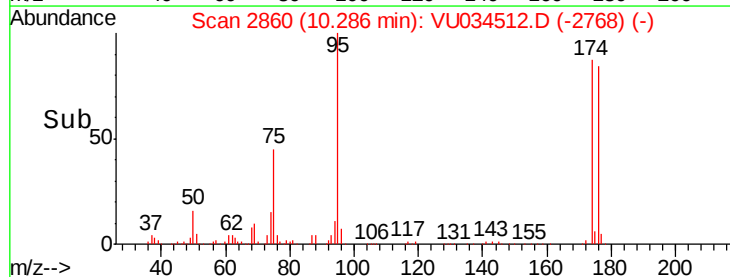
100000

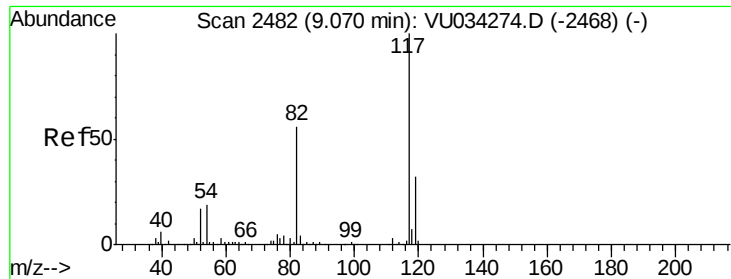
50000

0

10.20 10.30 10.40

Time-->

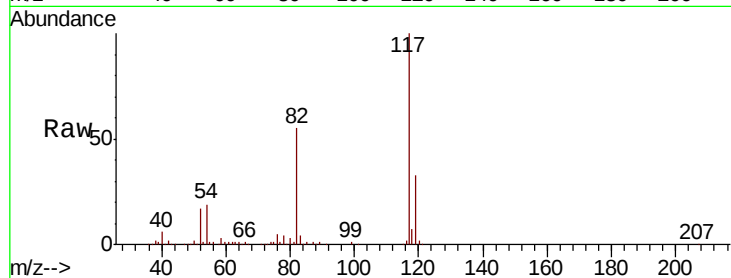




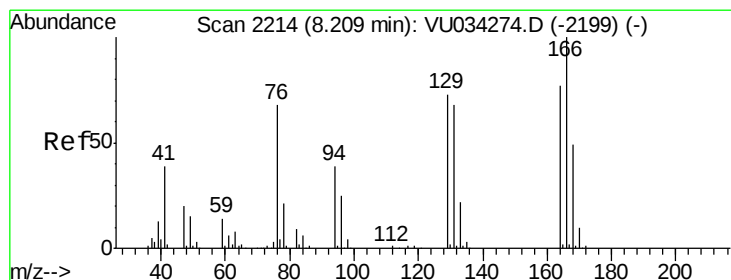
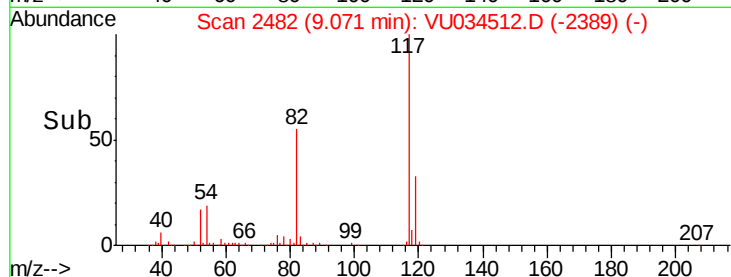
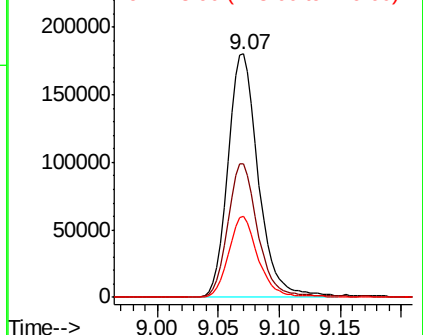
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034512.D
Acq: 12 Sep 2019 11:56

Instrument :
MSVOA_U
ClientSampleId :
CPA-SW-3-M27W1-090619

Tgt Ion:117 Resp: 315519
Ion Ratio Lower Upper
117 100
82 54.8 44.6 67.0
119 33.2 25.9 38.9

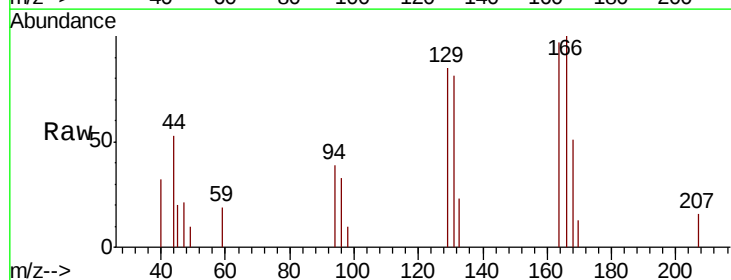


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

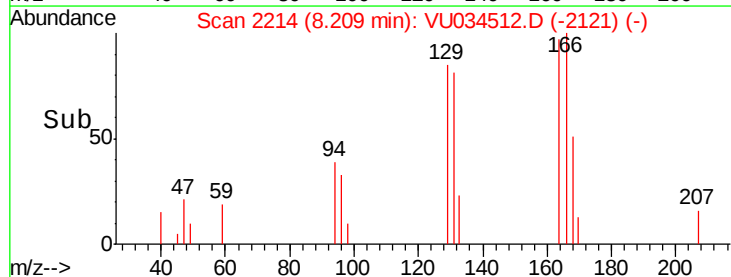
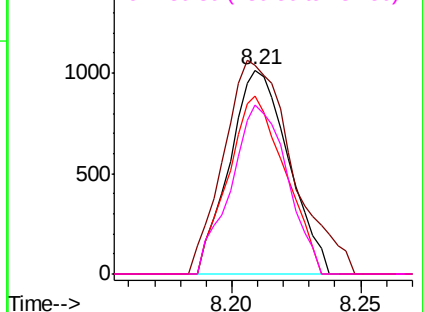


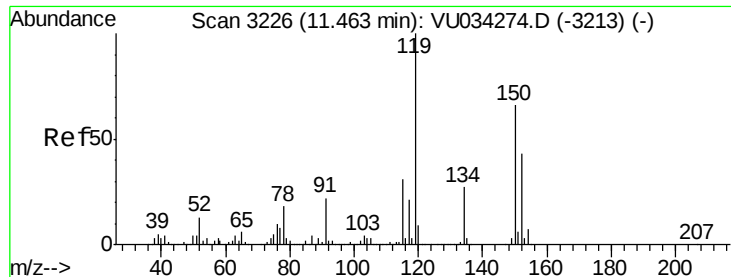
#64
Tetrachloroethene
Concen: 0.589 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034512.D
Acq: 12 Sep 2019 11:56

Tgt Ion:164 Resp: 1613
Ion Ratio Lower Upper
164 100
166 102.7 103.7 155.5#
129 87.3 75.8 113.8
131 83.0 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: VU034512.D

Acq: 12 Sep 2019 11:56

Instrument :

MSVOA_U

ClientSampleId :

CPA-SW-3-M27W1-090619

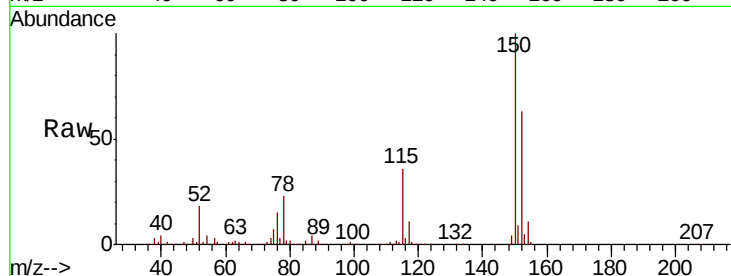
Tgt Ion:152 Resp: 174601

Ion Ratio Lower Upper

152 100

115 56.8 39.1 117.3

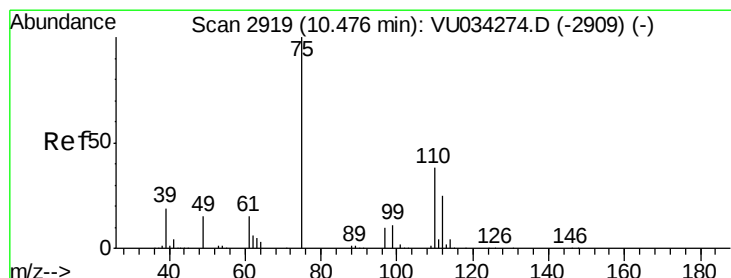
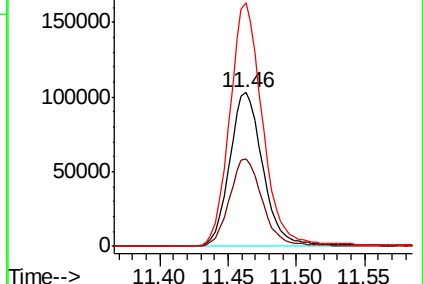
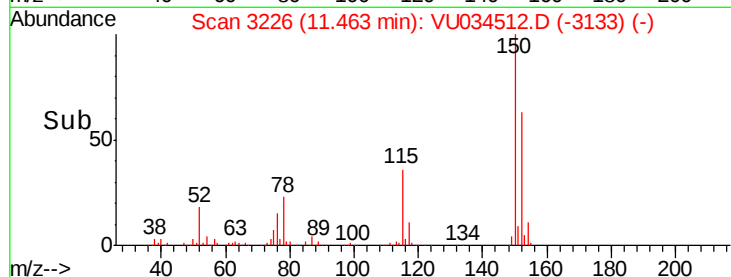
150 157.9 0.0 345.4



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: 24.649 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.19 min

Lab File: VU034512.D

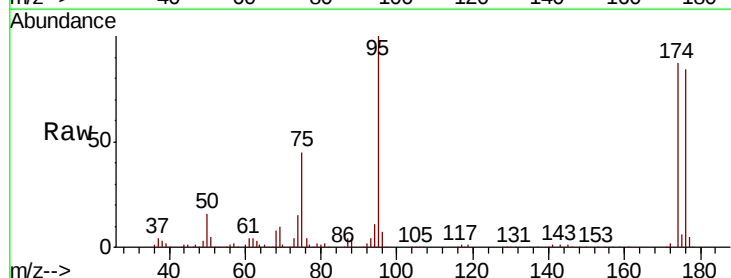
Acq: 12 Sep 2019 11:56

Tgt Ion: 75 Resp: 93944

Ion Ratio Lower Upper

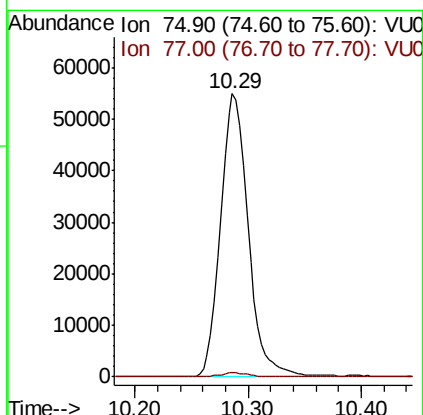
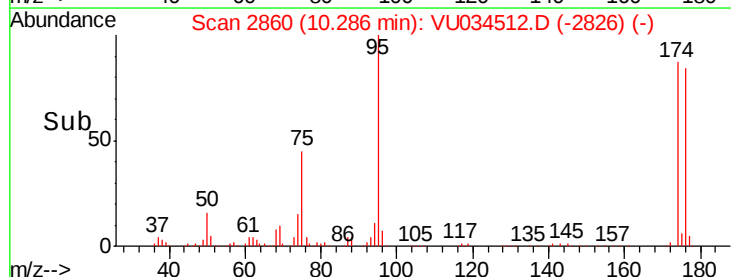
75 100

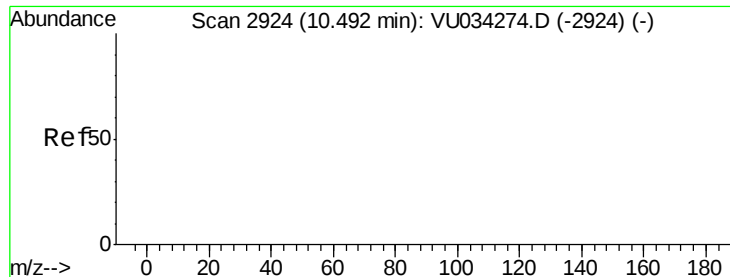
77 1.4 20.8 62.2#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

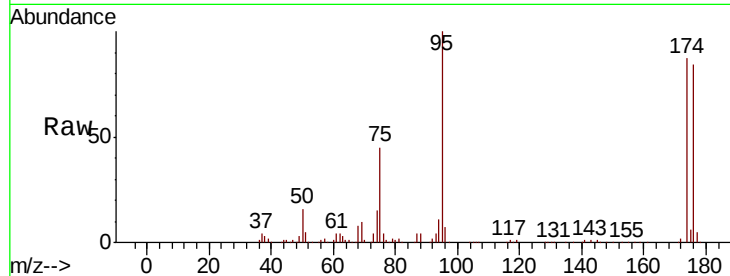




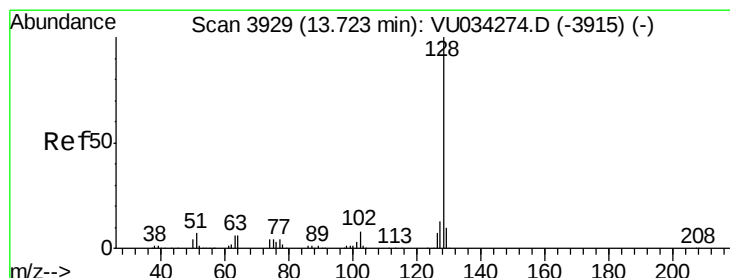
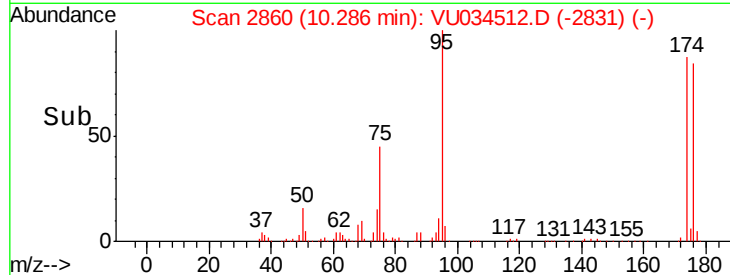
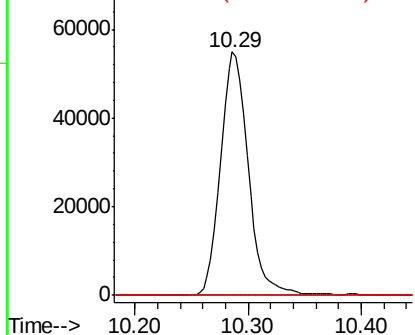
#81
trans-1,4-Dichloro-2-butene
Concen: 82.894 ug/l
RT: 10.29 min Scan# 2860
Delta R.T. -0.21 min
Lab File: VU034512.D
Acq: 12 Sep 2019 11:56

Instrument :
MSVOA_U
ClientSampleId :
CPA-SW-3-M27W1-090619

Tgt Ion: 75 Resp: 93944
Ion Ratio Lower Upper
75 100
53 0.2 0.0 0.0#
89 0.0 0.0 0.0

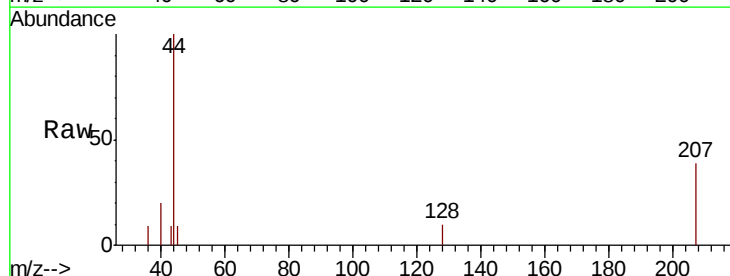


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0



#95
Naphthalene
Concen: 3.970 ug/l
RT: 13.82 min Scan# 3960
Delta R.T. 0.10 min
Lab File: VU034512.D
Acq: 12 Sep 2019 11:56

Tgt Ion: 128 Resp: 53
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.4 12.6#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

