

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120618\
 Data File : VU028510.D
 Acq On : 06 Dec 2018 18:54
 Operator : MD/SY
 Sample : J6252-08
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW02S-M16W4-11-29-18

Quant Time: Dec 07 06:16:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

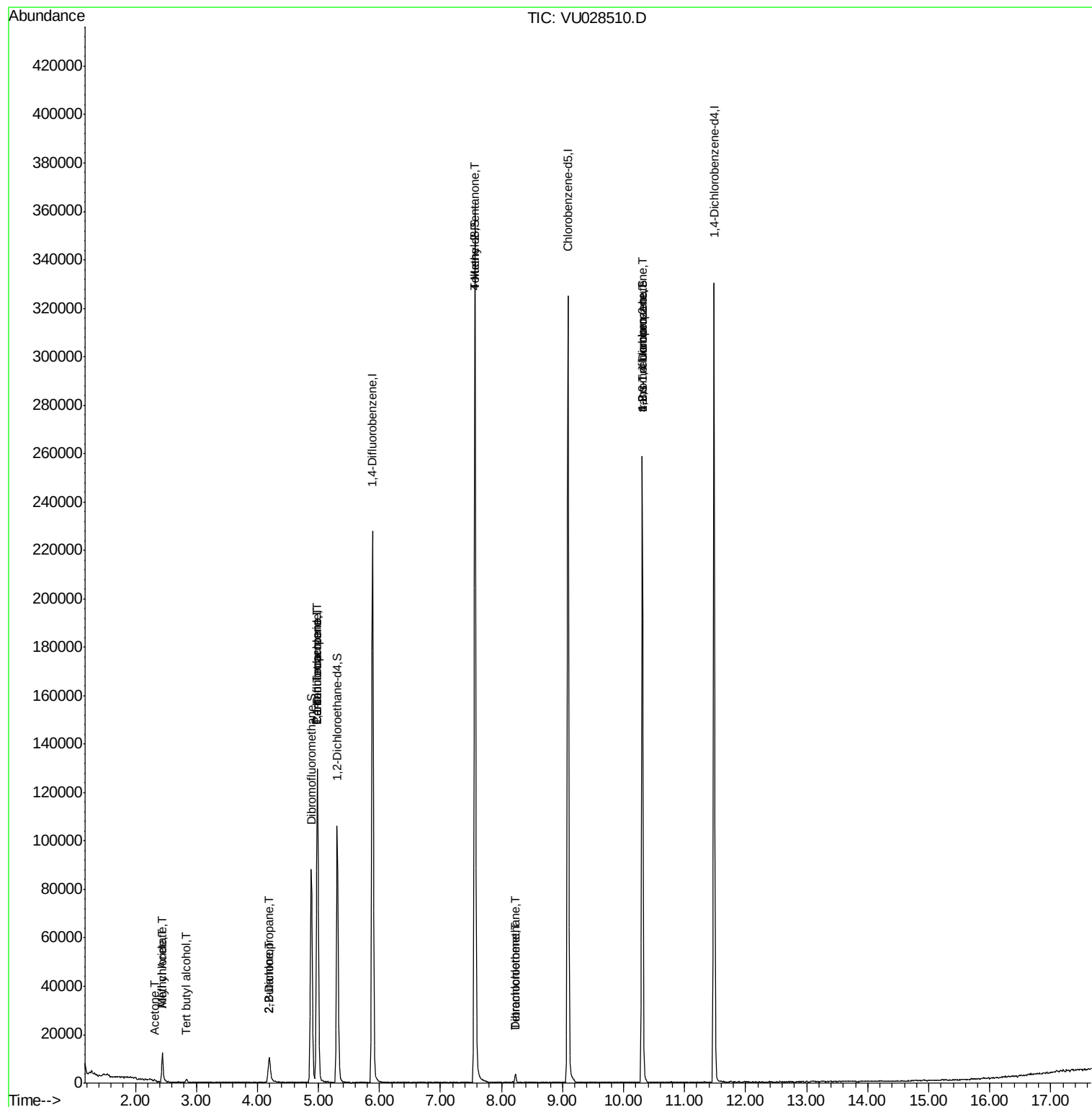
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	96131	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	182651	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	171354	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	80048	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	82959	56.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.10%	
35) Dibromofluoromethane	4.88	113	61199	53.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.48%	
50) Toluene-d8	7.57	98	244640	53.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.60%	
62) 4-Bromofluorobenzene	10.31	95	86339	50.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.60%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.83	59	739	2.261	ug/l #	73
14) Allyl chloride	2.44	41	1299	0.513	ug/l #	67
16) Acetone	2.32	43	1235	1.290	ug/l #	88
18) Methyl Acetate	2.44	43	2927	1.179	ug/l #	56
25) 2-Butanone	4.19	43	510	0.390	ug/l #	52
26) 2,2-Dichloropropane	4.20	77	770	0.377	ug/l #	54
31) Cyclohexane	4.98	56	2445	Below Cal	#	15
36) 1,1-Dichloropropene	4.98	75	8620	4.313	ug/l #	47
38) Carbon Tetrachloride	4.98	117	9867	6.125	ug/l #	16
51) 4-Methyl-2-Pentanone	7.56	43	1208	0.469	ug/l #	1
60) Dibromochloromethane	8.22	129	812	0.606	ug/l #	10
64) Tetrachloroethene	8.23	164	784	0.686	ug/l	96
76) 1,2,3-Trichloropropane	10.31	75	45626	22.321	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	45626	54.830	ug/l #	100

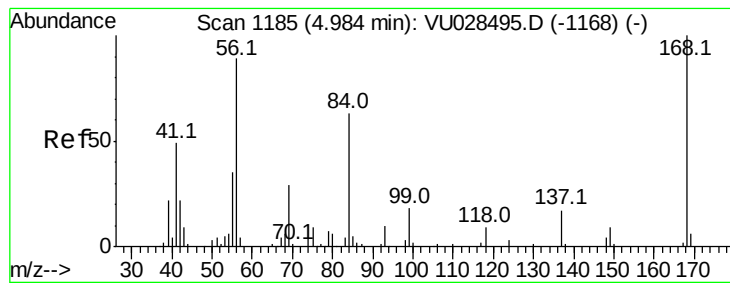
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU028510.D

Acq: 06 Dec 2018 18:54

Instrument :

MSVOA_U

ClientSampleId :

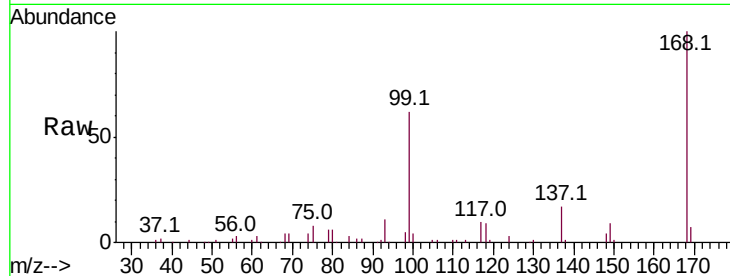
CPA-CPMW02S-M16W4-11-29-18

Tot Ion:168 Resp: 96131

Ion Ratio Lower Upper

168 100

99 62.3 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028510.D (-1092) (-)

4.98

40000

30000

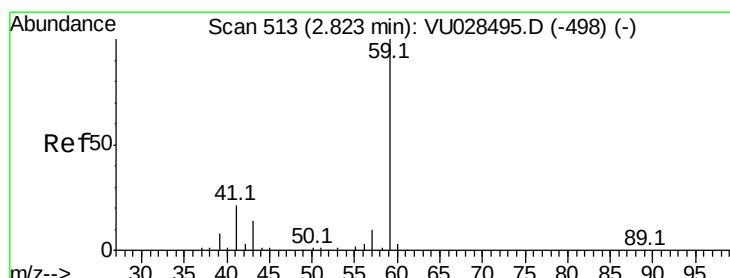
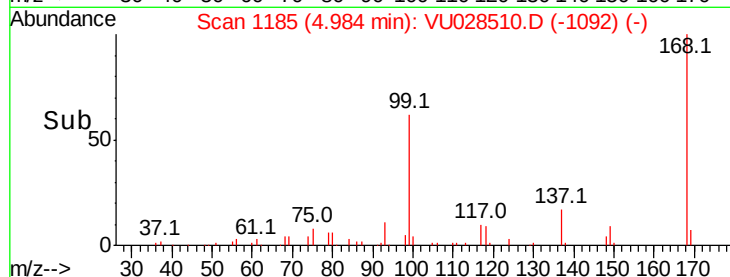
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#11

Tert butyl alcohol

Concen: 2.261 ug/l

RT: 2.83 min Scan# 513

Delta R.T. 0.01 min

Lab File: VU028510.D

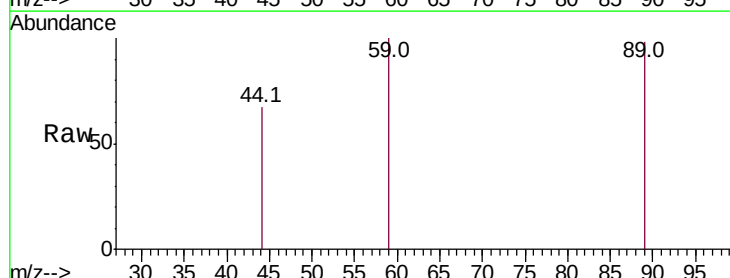
Acq: 06 Dec 2018 18:54

Tgt Ion: 59 Resp: 739

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VU028495.D (-498) (-)

Ion 57.00 (56.70 to 57.70): VU028510.D (-420) (-)

2.83

500

400

300

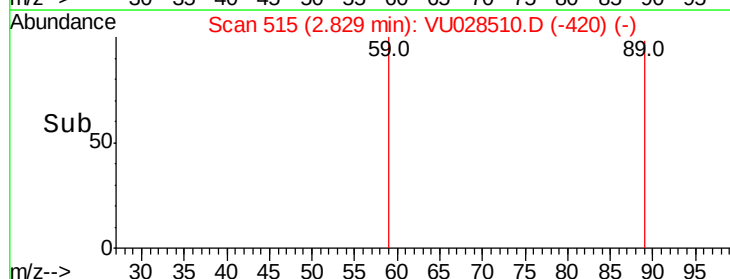
200

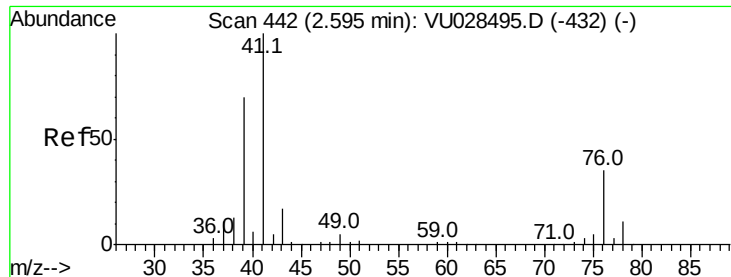
100

0

2.80 2.82 2.84

Time-->





#14

Allvl chloride

Concen: 0.513 ug/l

RT: 2.44 min Scan# 394

Delta R.T. -0.15 min

Lab File: VU028510.D

Acq: 06 Dec 2018 18:54

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW02S-M16W4-11-29-18

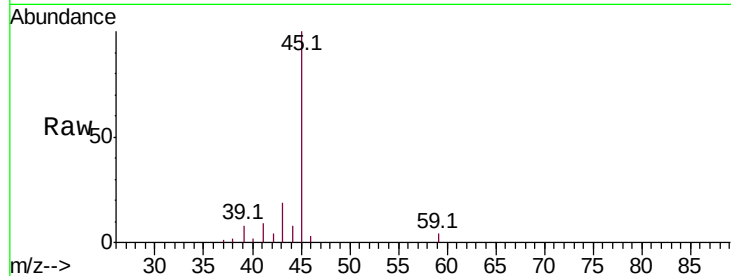
Tot Ion: 41 Resp: 1299

Ion Ratio Lower Upper

41 100

39 80.3 50.8 76.2#

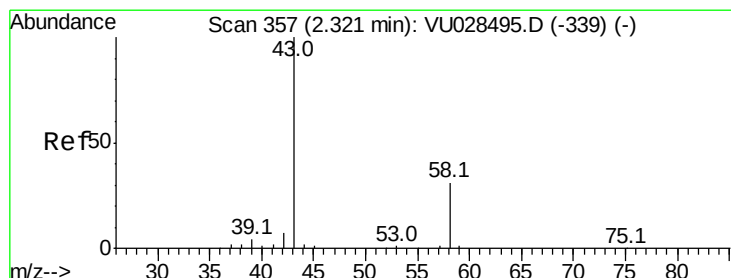
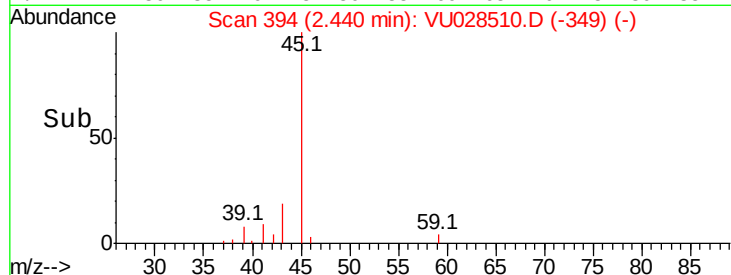
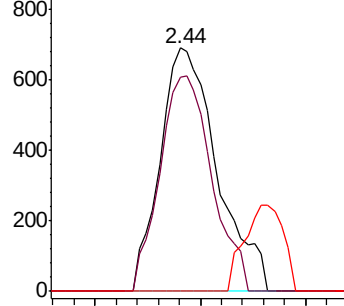
76 0.0 24.8 37.2#



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0



#16

Acetone

Concen: 1.290 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU028510.D

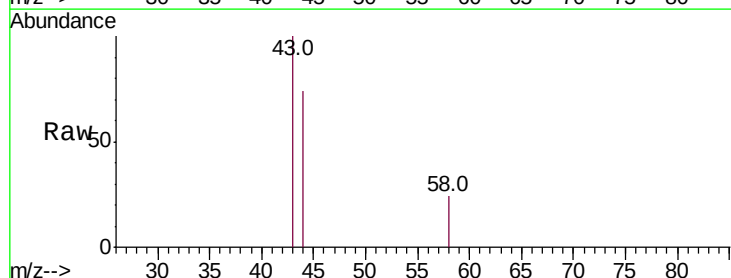
Acq: 06 Dec 2018 18:54

Tgt Ion: 43 Resp: 1235

Ion Ratio Lower Upper

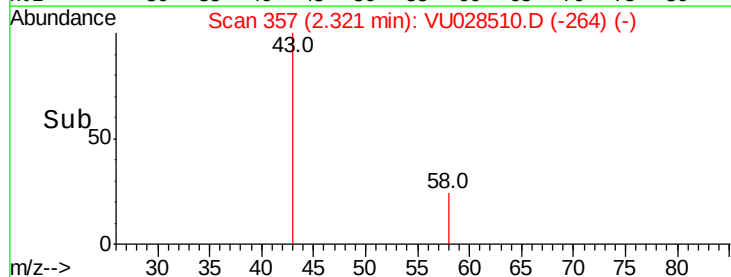
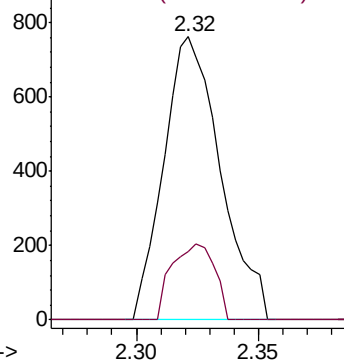
43 100

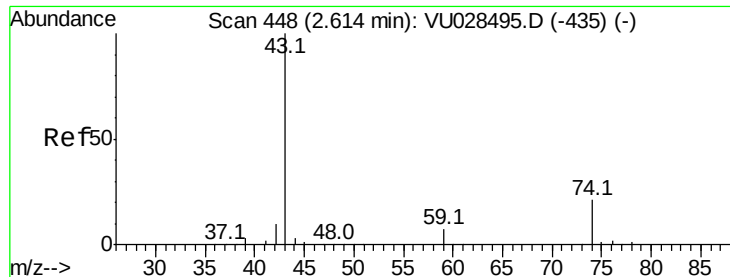
58 24.3 24.6 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

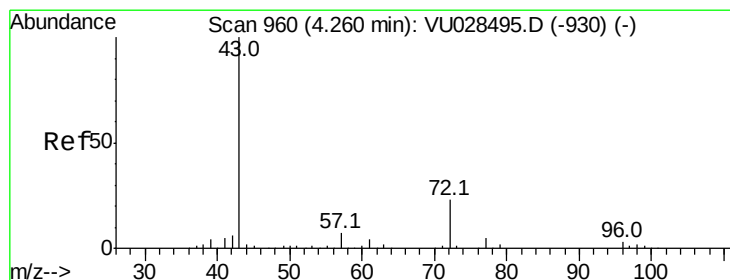
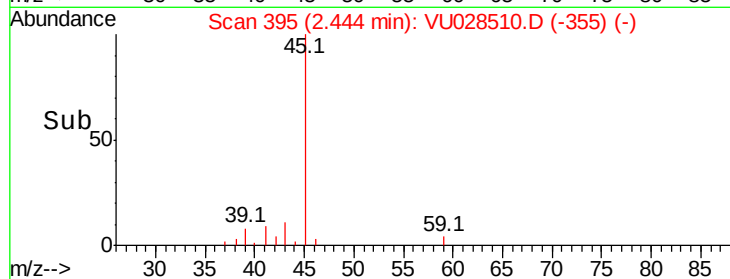
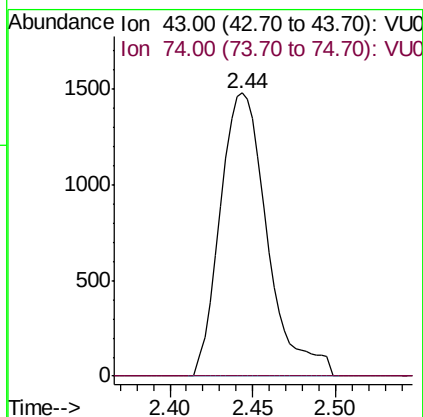
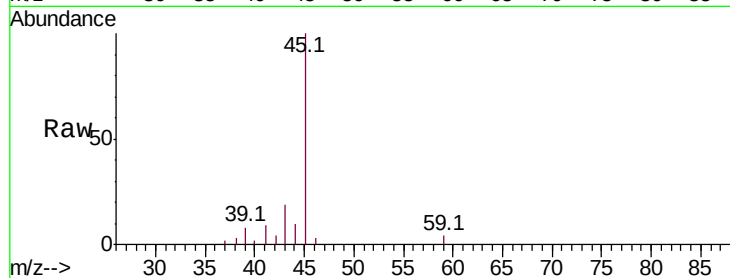




#18
Methvl Acetate
Concen: 1.179 ug/l
RT: 2.44 min Scan# 395
Delta R.T. -0.17 min
Lab File: VU028510.D
Acq: 06 Dec 2018 18:54

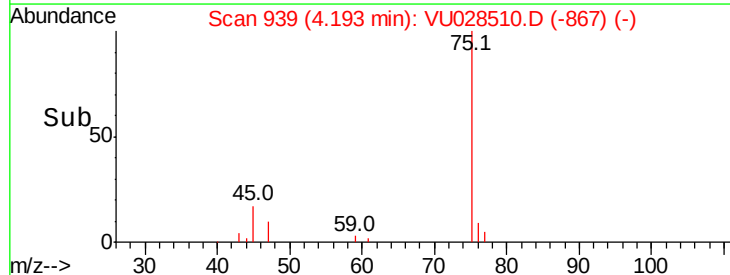
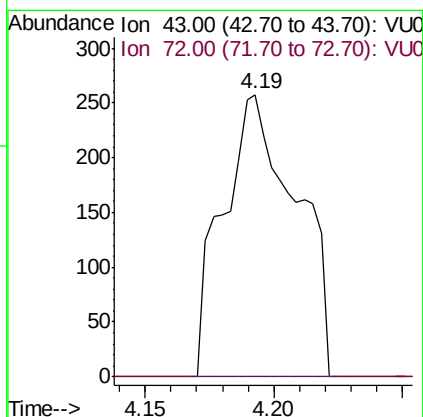
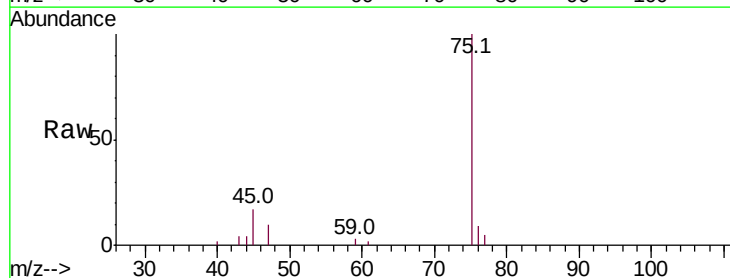
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CPA-CPMW02S-M16W4-11-29-18

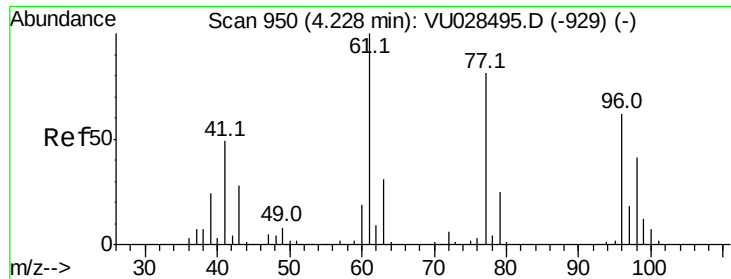
Tot Ion: 43 Resp: 2927
Ion Ratio Lower Upper
43 100
74 0.0 16.4 24.6#



#25
2-Butanone
Concen: 0.390 ug/l
RT: 4.19 min Scan# 939
Delta R.T. -0.07 min
Lab File: VU028510.D
Acq: 06 Dec 2018 18:54

Tgt Ion: 43 Resp: 510
Ion Ratio Lower Upper
43 100
72 0.0 18.6 28.0#

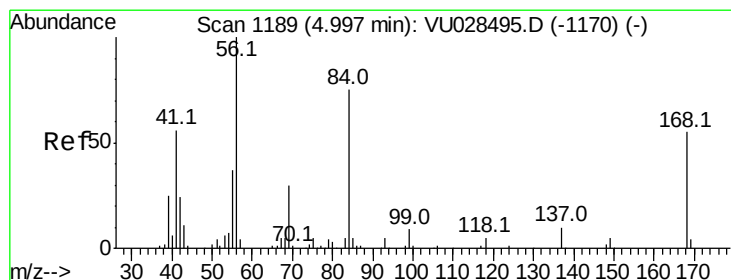
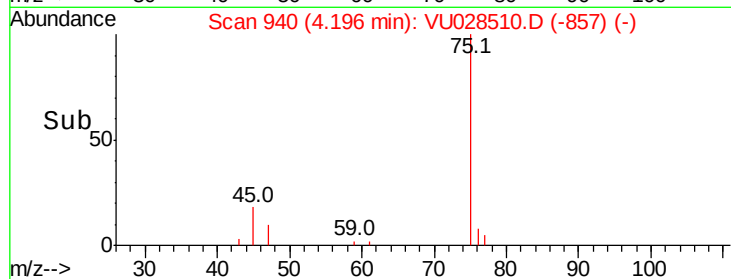
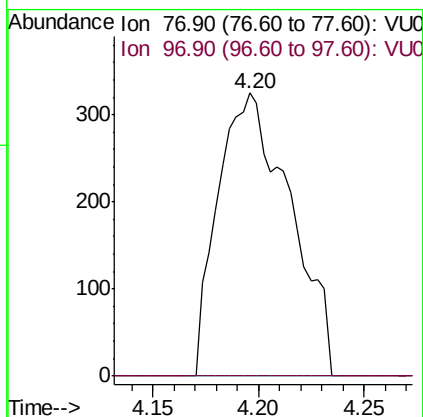
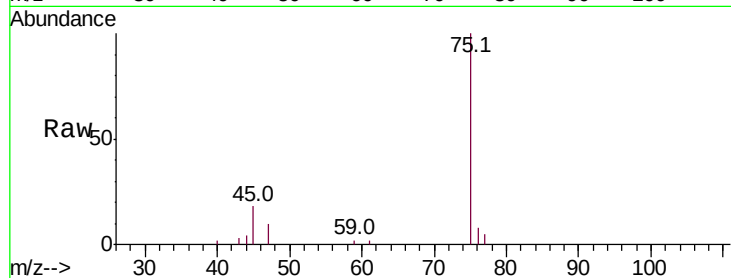




#26
 2,2-Dichloropropane
 Concen: 0.377 ug/l
 RT: 4.20 min Scan# 940
 Delta R.T. -0.03 min
 Lab File: VU028510.D
 Acq: 06 Dec 2018 18:54

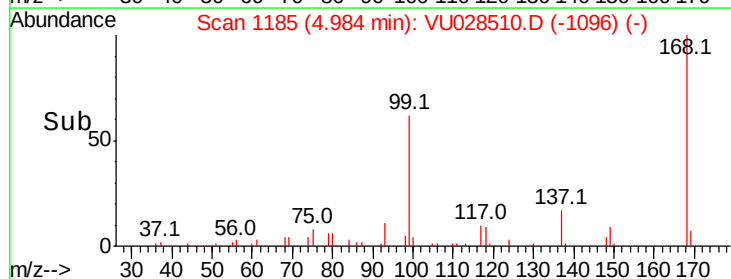
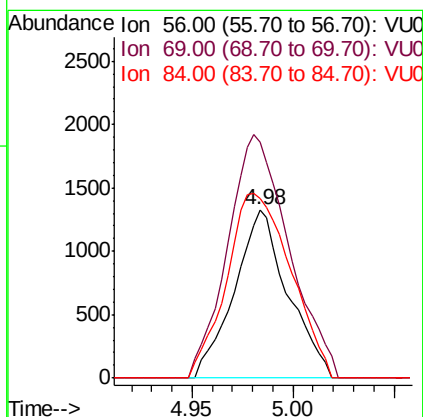
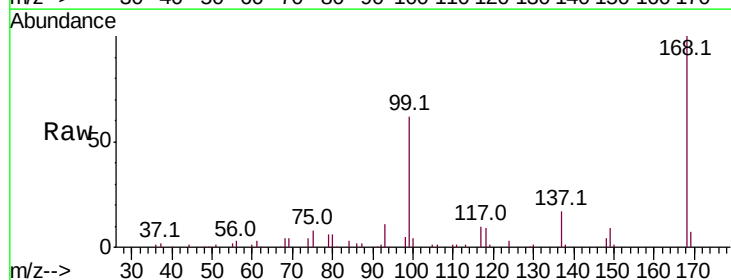
Instrument :
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 ClientSampleId :
 CPA-CPMW02S-M16W4-11-29-18

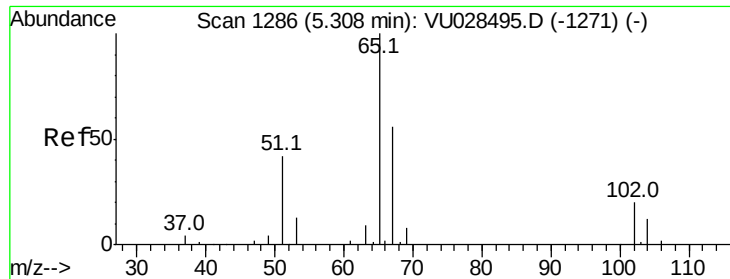
Tot Ion: 77 Resp: 770
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.0 33.0#



#31
 Cyclohexane
 Concen: Below Cal
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: VU028510.D
 Acq: 06 Dec 2018 18:54

Tgt Ion: 56 Resp: 2445
 Ion Ratio Lower Upper
 56 100
 69 139.8 24.0 36.0#
 84 107.0 59.7 89.5#

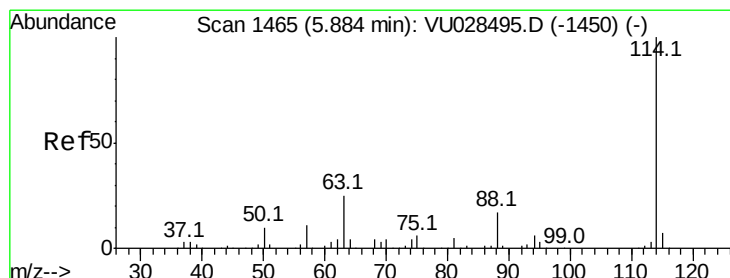
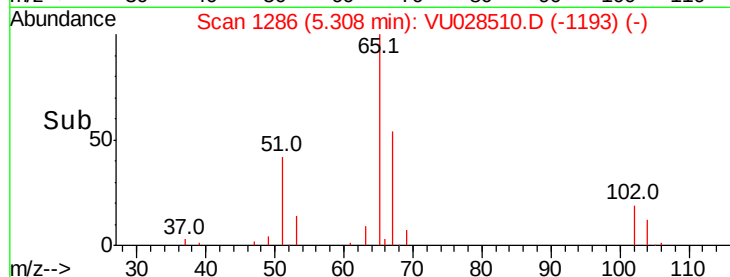
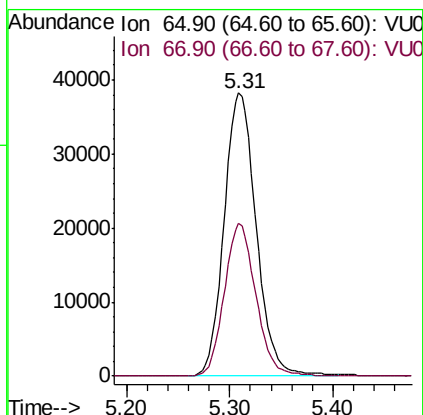
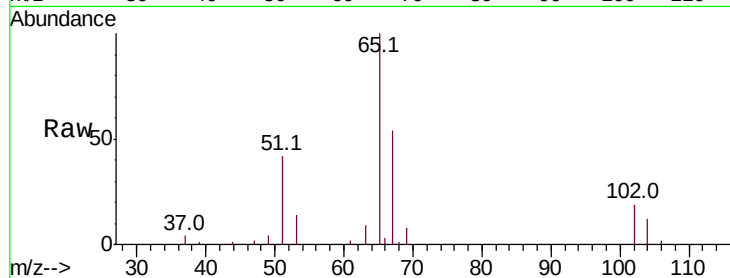




#33
 1,2-Dichloroethane-d4
 Concen: 56.549 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028510.D
 Acq: 06 Dec 2018 18:54

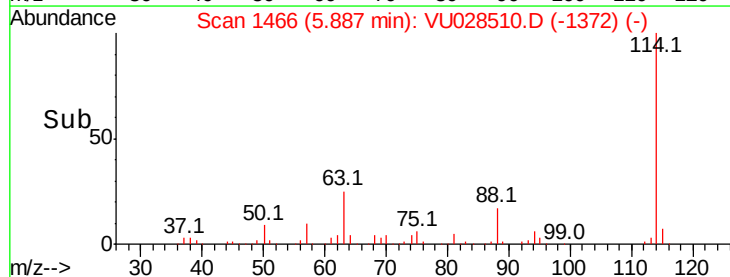
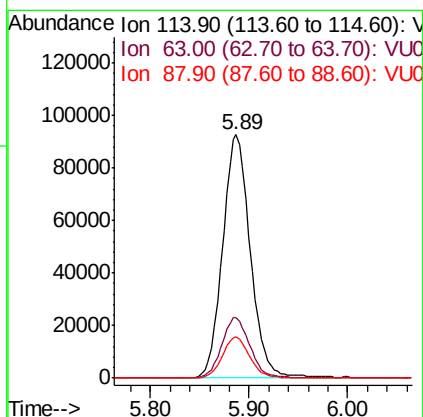
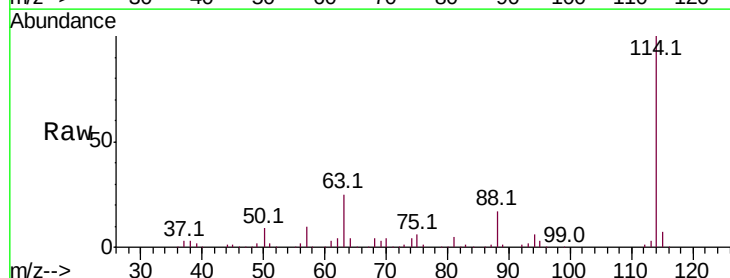
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 ClientSampleId :
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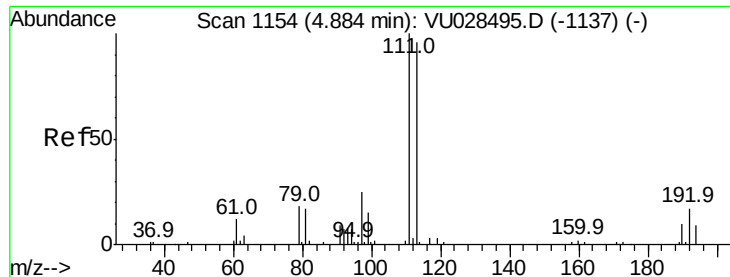
Tot Ion: 65 Resp: 82959
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028510.D
 Acq: 06 Dec 2018 18:54

Tgt Ion: 114 Resp: 182651
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 49.2
 88 16.8 0.0 33.4

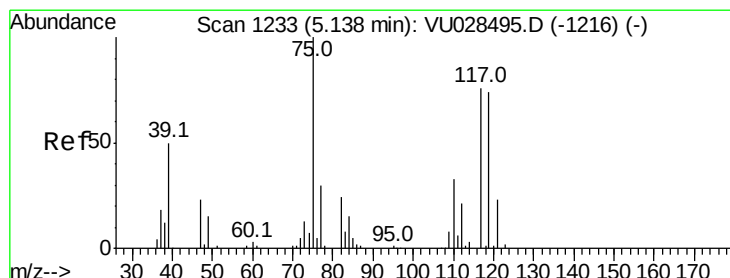
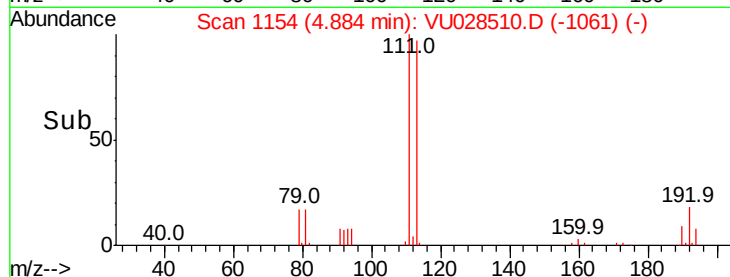
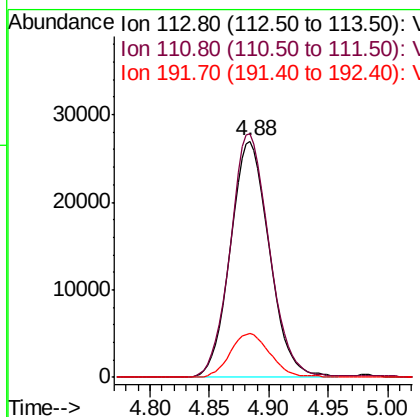
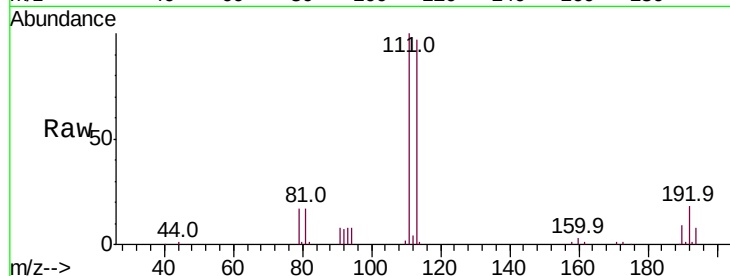




#35
 Dibromofluoromethane
 Concen: 53.243 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU028510.D
 Acq: 06 Dec 2018 18:54

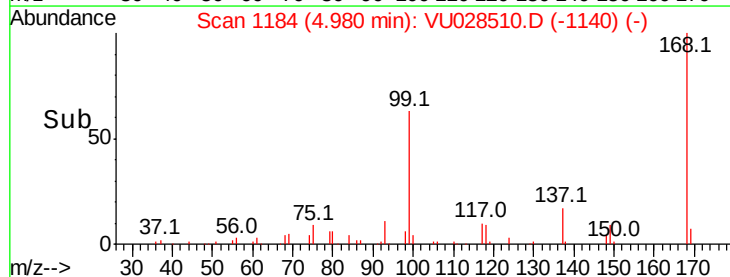
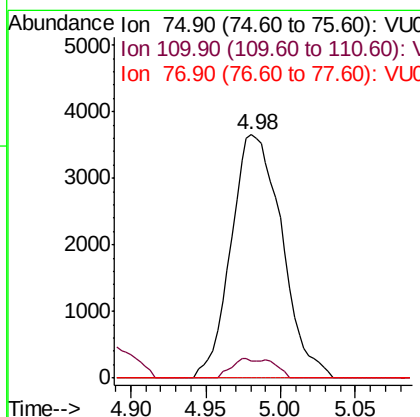
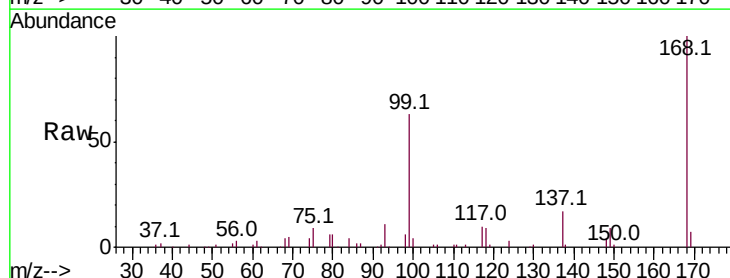
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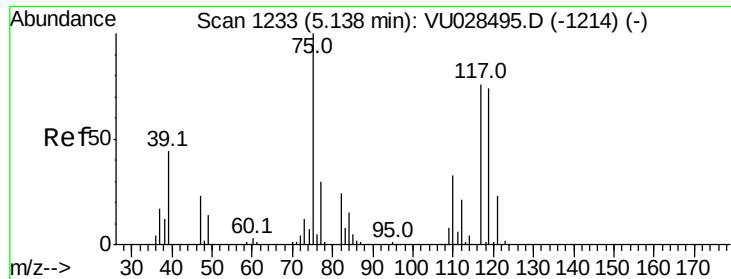
Tot Ion:113 Resp: 61199
 Ion Ratio Lower Upper
 113 100
 111 103.7 83.4 125.0
 192 19.0 14.8 22.2



#36
 1,1-Dichloropropene
 Concen: 4.313 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.16 min
 Lab File: VU028510.D
 Acq: 06 Dec 2018 18:54

Tgt Ion: 75 Resp: 8620
 Ion Ratio Lower Upper
 75 100
 110 3.9 16.1 48.2#
 77 0.0 24.5 36.7#

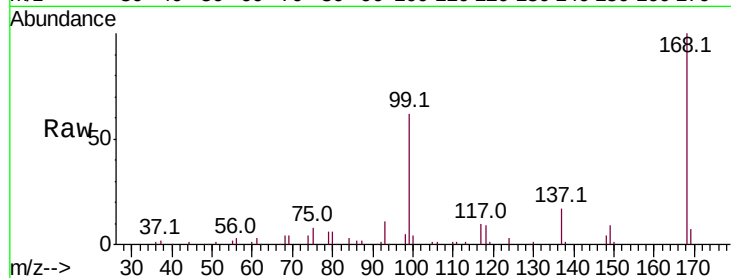




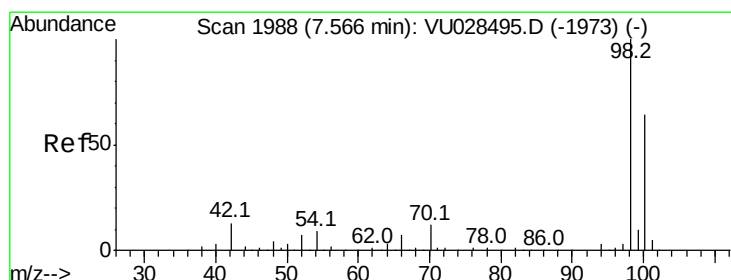
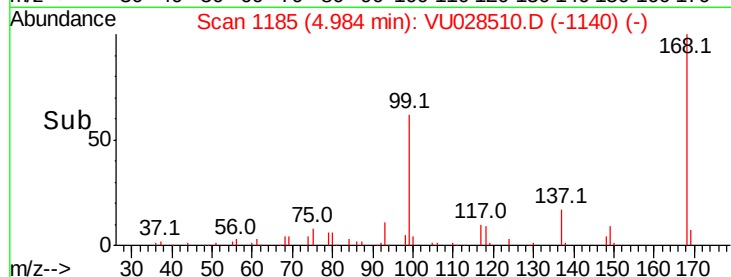
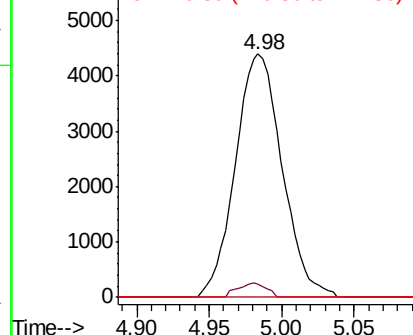
#38
Carbon Tetrachloride
Concen: 6.125 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.15 min
Lab File: VU028510.D
Acq: 06 Dec 2018 18:54

Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW02S-M16W4-11-29-18

Tot Ion:117 Resp: 9867
Ion Ratio Lower Upper
117 100
119 5.5 77.6 116.4#
121 0.0 24.6 36.8#

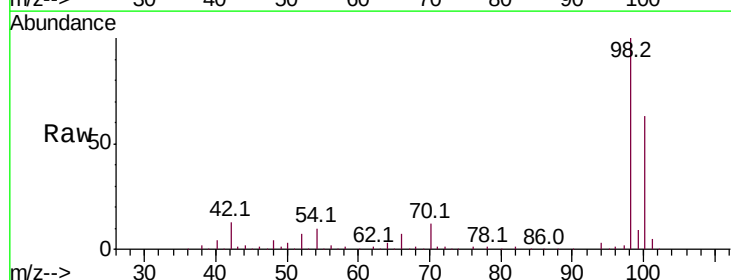


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

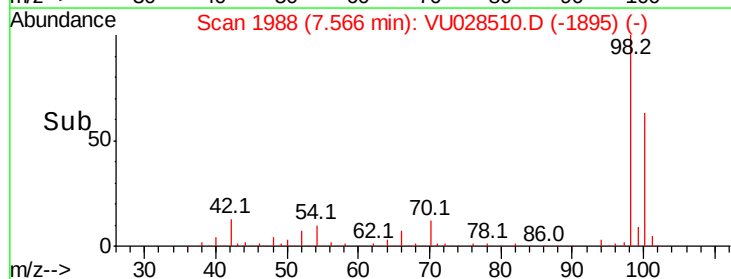
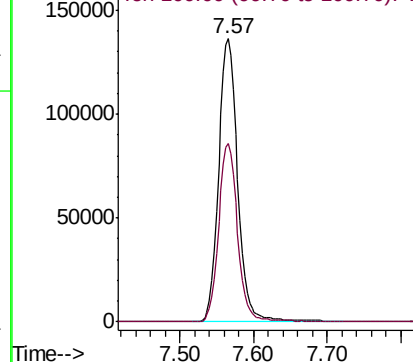


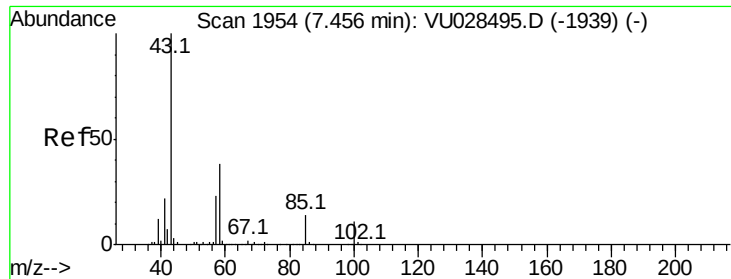
#50
Toluene-d8
Concen: 53.803 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028510.D
Acq: 06 Dec 2018 18:54

Tgt Ion: 98 Resp: 244640
Ion Ratio Lower Upper
98 100
100 62.2 51.0 76.6



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





#51

4-Methyl-2-Pentanone

Concen: 0.469 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. 0.11 min

Lab File: VU028510.D

Acq: 06 Dec 2018 18:54

Instrument :

MSVOA_U

ClientSampleId :

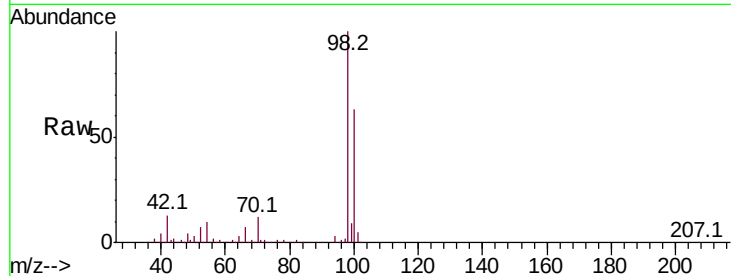
CPA-CPMW02S-M16W4-11-29-18

Tot Ion: 43 Resp: 1208

Ion Ratio Lower Upper

43 100

58 179.5 30.2 45.2#



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU028495.D (-1939) (-)

1500

1000

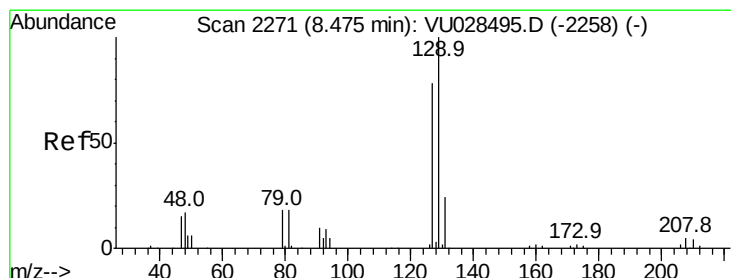
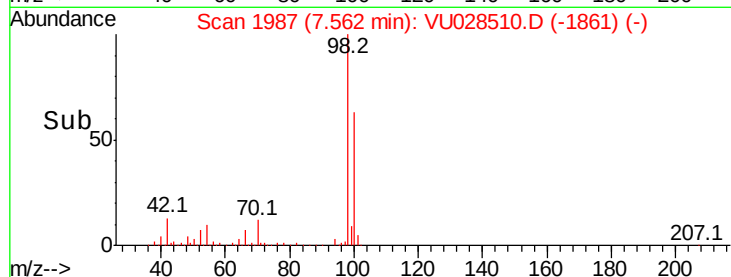
500

0

7.52 7.54 7.56 7.58 7.60

7.56

Time-->



#60

Dibromochloromethane

Concen: 0.606 ug/l

RT: 8.22 min Scan# 2193

Delta R.T. -0.25 min

Lab File: VU028510.D

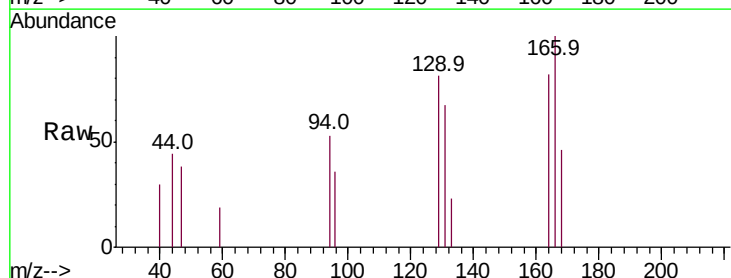
Acq: 06 Dec 2018 18:54

Tgt Ion: 129 Resp: 812

Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.3#



Abundance Ion 128.80 (128.50 to 129.50): VU028495.D (-2258) (-)

Ion 126.80 (126.50 to 127.50): VU028495.D (-2258) (-)

500

400

300

200

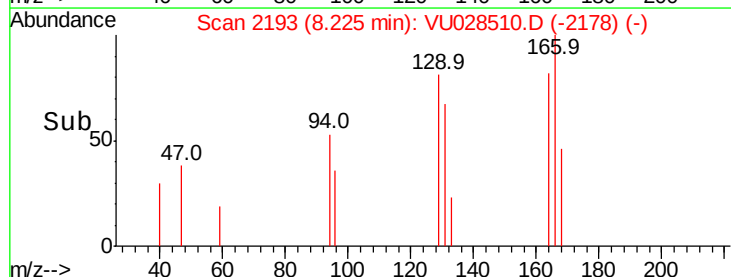
100

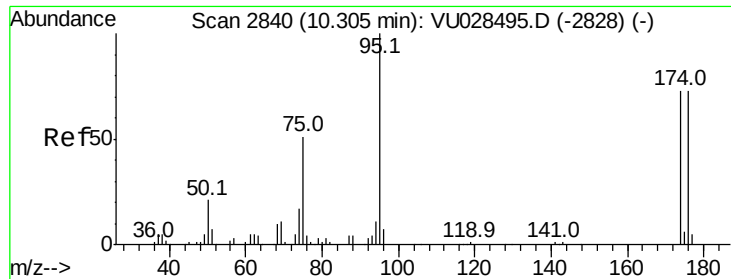
0

8.18 8.20 8.22 8.24 8.26

8.22

Time-->

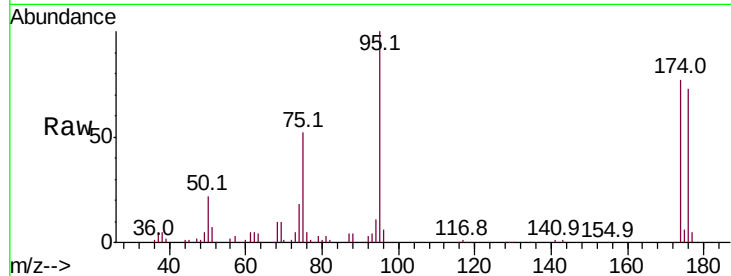




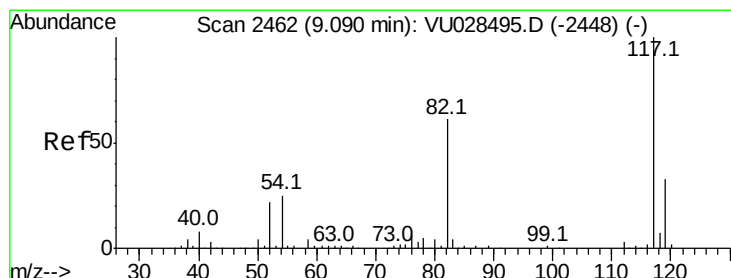
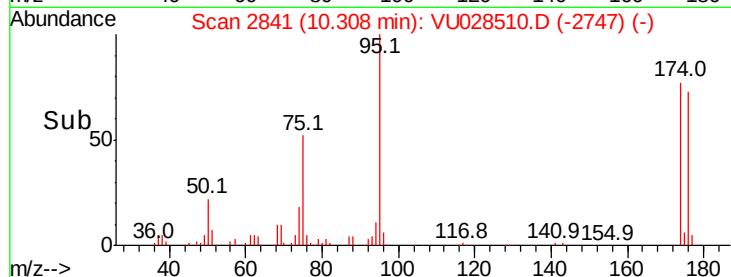
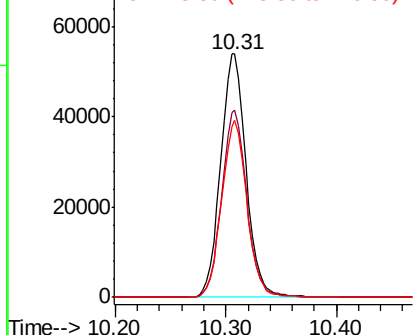
#62
4-Bromofluorobenzene
Concen: 50.803 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU028510.D
Acq: 06 Dec 2018 18:54

Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW02S-M16W4-11-29-18

Tot Ion: 95 Resp: 86339
Ion Ratio Lower Upper
95 100
174 75.8 0.0 150.4
176 72.0 0.0 145.2

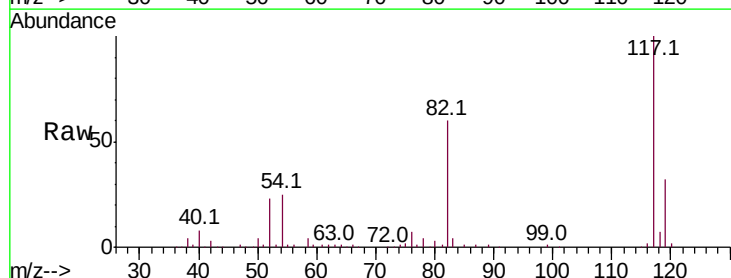


Abundance Ion 94.90 (94.60 to 95.60): VU028510.D (-2747) (-)
Ion 173.80 (173.50 to 174.50): VU028510.D (-2747) (-)
Ion 175.80 (175.50 to 176.50): VU028510.D (-2747) (-)

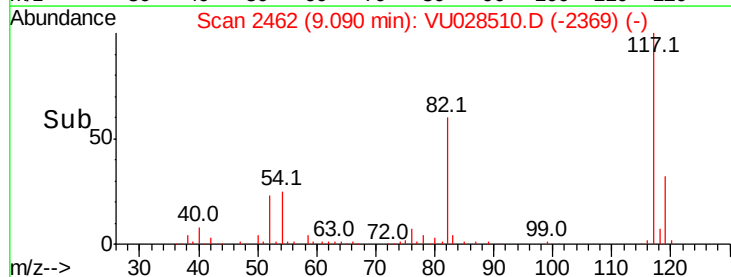
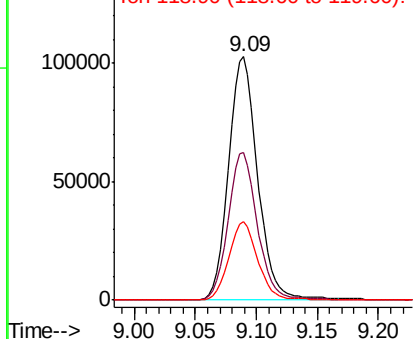


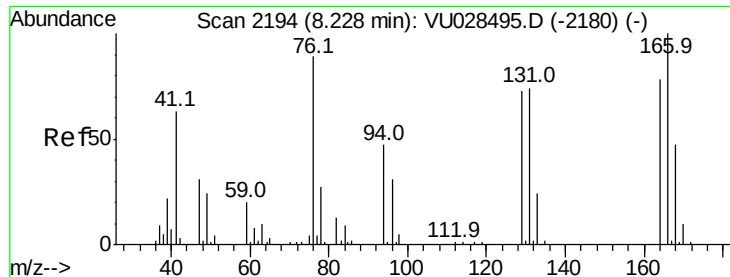
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028510.D
Acq: 06 Dec 2018 18:54

Tgt Ion: 117 Resp: 171354
Ion Ratio Lower Upper
117 100
82 60.5 48.9 73.3
119 32.0 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): VU028510.D (-2369) (-)
Ion 82.00 (81.70 to 82.70): VU028510.D (-2369) (-)
Ion 118.90 (118.60 to 119.60): VU028510.D (-2369) (-)





#64

Tetrachloroethene

Concen: 0.686 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VU028510.D

Acq: 06 Dec 2018 18:54

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW02S-M16W4-11-29-18

Tot Ion:164 Resp: 784

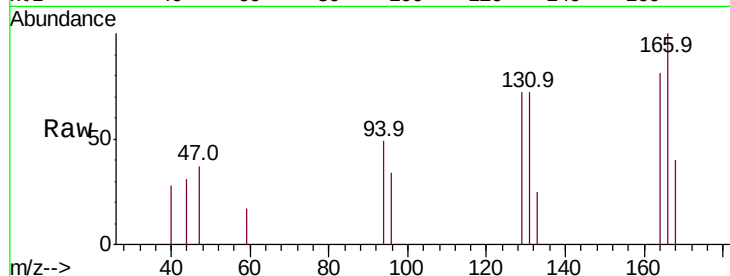
Ion Ratio Lower Upper

164 100

166 124.0 101.9 152.9

129 89.5 74.9 112.3

131 89.9 75.4 113.0

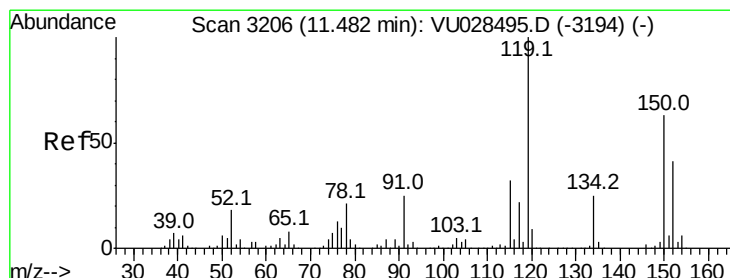
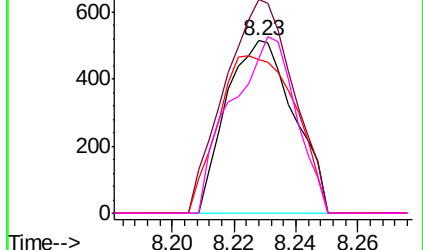
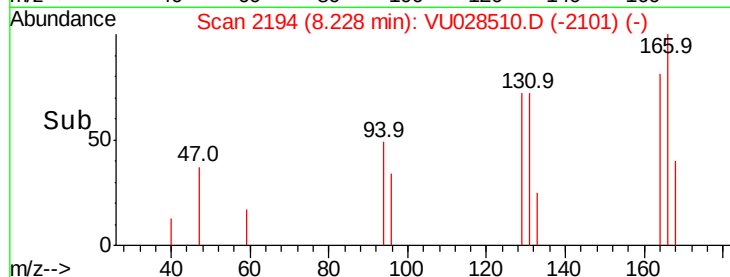


Abundance Ion 163.80 (163.50 to 164.50): V

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: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU028510.D

Acq: 06 Dec 2018 18:54

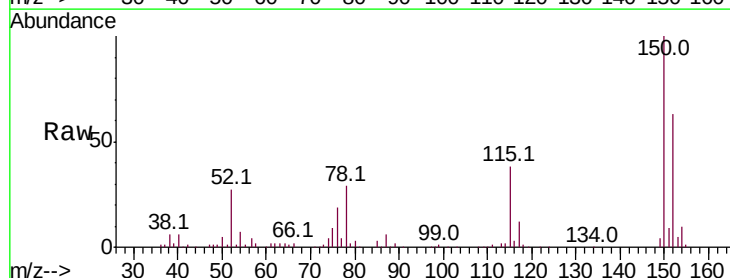
Tgt Ion:152 Resp: 80048

Ion Ratio Lower Upper

152 100

115 61.5 42.7 128.1

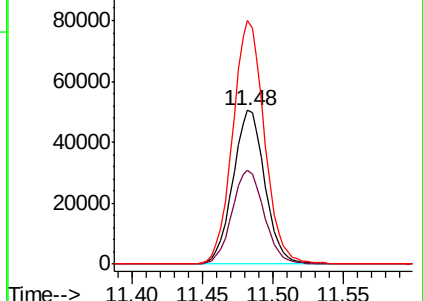
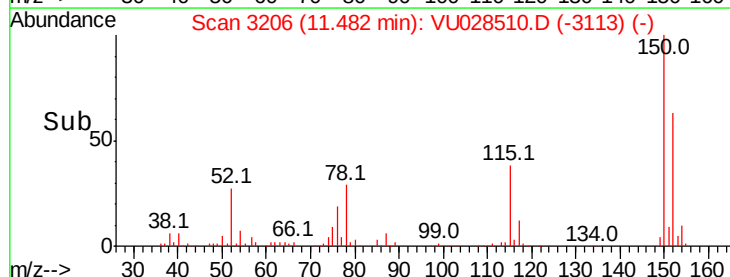
150 157.8 0.0 346.0

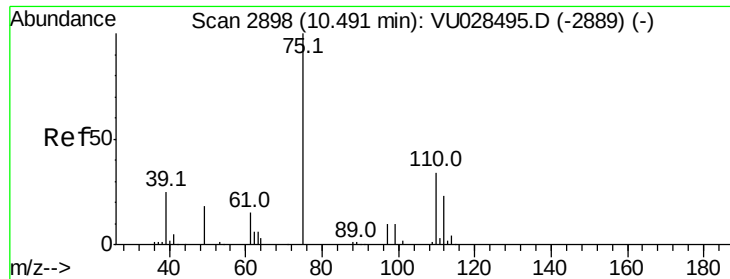


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.321 ug/l

RT: 10.31 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028510.D

Acq: 06 Dec 2018 18:54

Instrument :

MSVOA_U

ClientSampleId :

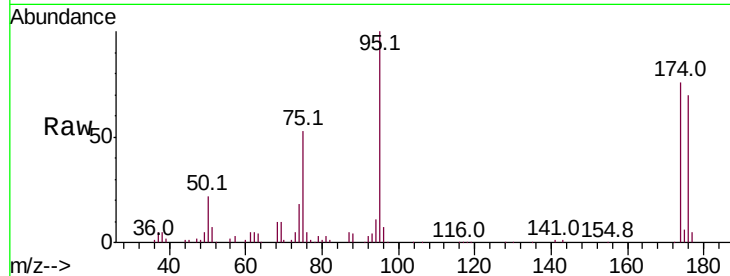
CPA-CPMW02S-M16W4-11-29-18

Tot Ion: 75 Resp: 45626

Ion Ratio Lower Upper

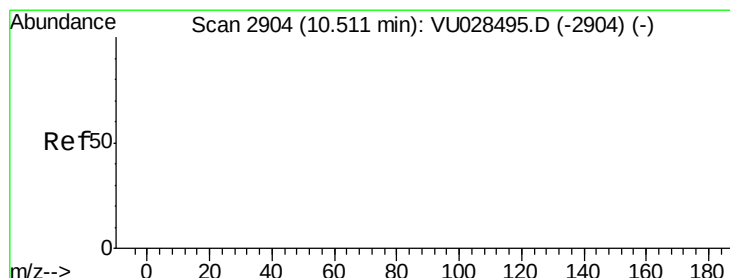
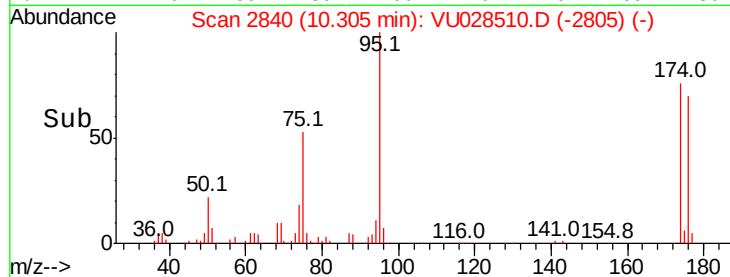
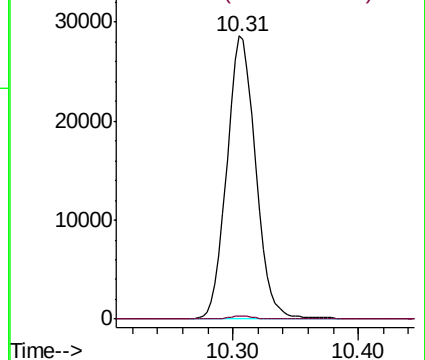
75 100

77 0.9 20.8 62.4#



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: 54.830 ug/l

RT: 10.31 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU028510.D

Acq: 06 Dec 2018 18:54

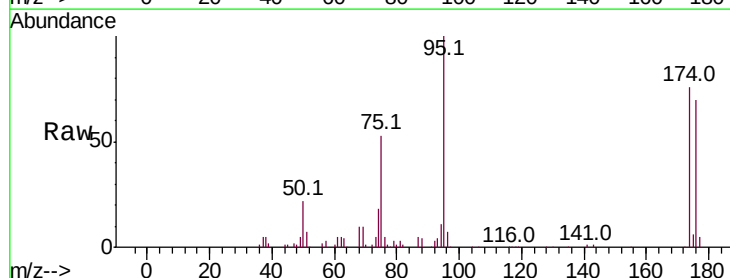
Tgt Ion: 75 Resp: 45626

Ion Ratio Lower Upper

75 100

53 0.0 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

