

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091219\
 Data File : VU034529.D
 Acq On : 12 Sep 2019 18:47
 Operator : JC/SP
 Sample : K4756-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW10S-M27W1-090319

Quant Time: Sep 13 07:12:54 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	257161	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	391574	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	398744	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	228792	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	225982	58.08	ug/l	0.00
Spiked Amount			Recovery	=	116.16%	
35) Dibromofluoromethane	4.86	113	197830	54.30	ug/l	0.00
Spiked Amount			Recovery	=	108.60%	
50) Toluene-d8	7.55	98	723010	52.82	ug/l	0.00
Spiked Amount			Recovery	=	105.64%	
62) 4-Bromofluorobenzene	10.29	95	245851	46.52	ug/l	0.00
Spiked Amount			Recovery	=	93.04%	

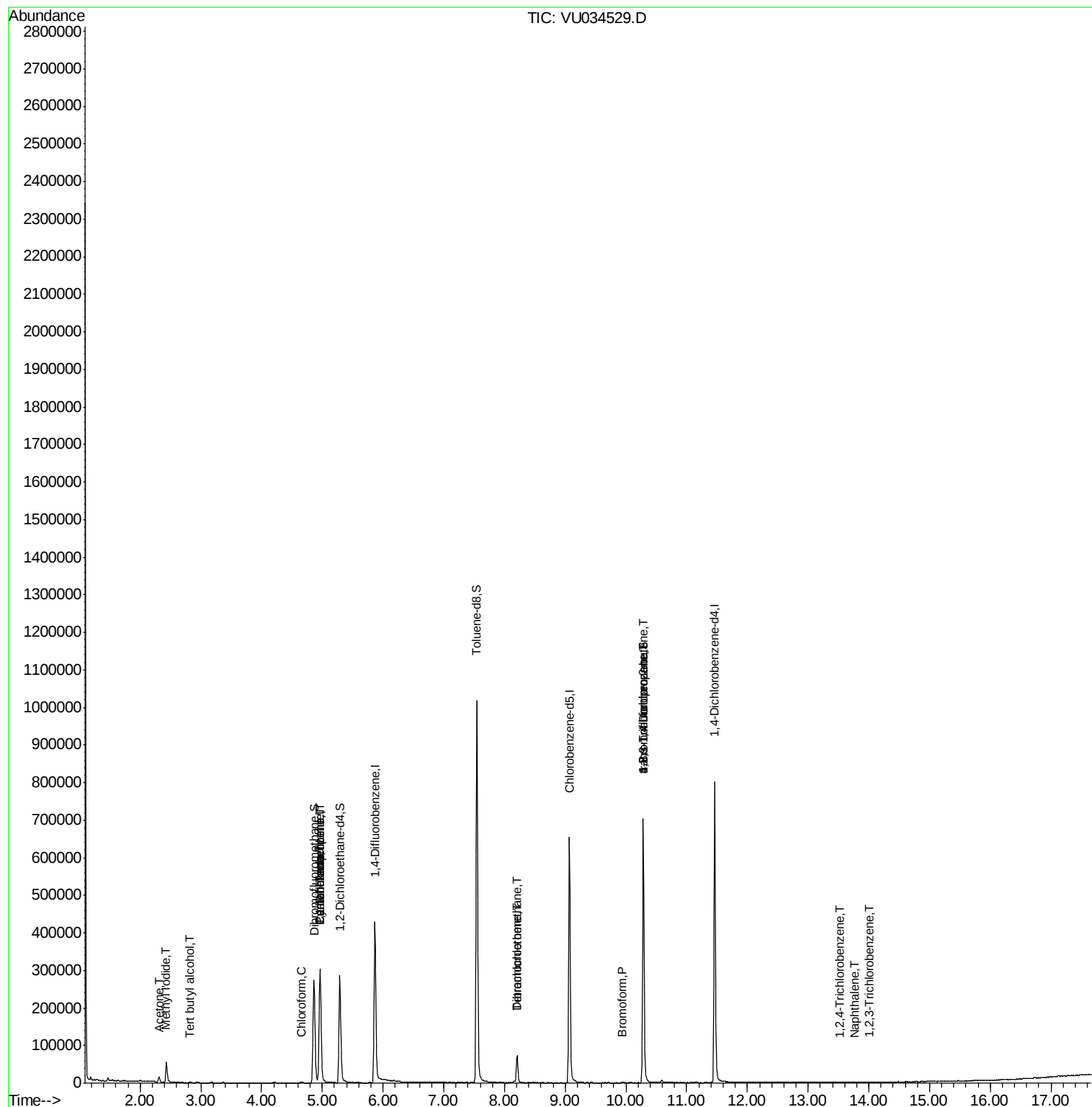
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	826	Below Cal		96
6) Chloroethane	1.70	64	47	Below Cal	#	43
10) Methyl Iodide	2.41	142	628	4.059	ug/l #	58
11) Tert butyl alcohol	2.82	59	2067	2.515	ug/l #	73
16) Acetone	2.31	43	15993	7.943	ug/l	98
20) Methylene Chloride	2.69	84	708	Below Cal	#	93
30) Chloroform	4.65	83	2950	0.466	ug/l	91
31) Cyclohexane	4.96	56	4487	0.985	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	17046	4.014	ug/l #	46
38) Carbon Tetrachloride	4.96	117	22384	4.937	ug/l #	16
60) Dibromochloromethane	8.21	129	16911	4.039	ug/l #	12
64) Tetrachloroethene	8.21	164	18380	5.313	ug/l	97
71) Bromoform	9.94	173	1445	0.432	ug/l #	95
76) 1,2,3-Trichloropropane	10.29	75	114331	22.893	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.29	75	114331	76.988	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.51	180	123	3.473	ug/l #	1
95) Naphthalene	13.77	128	287	3.983	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.00	180	217	2.678	ug/l #	56

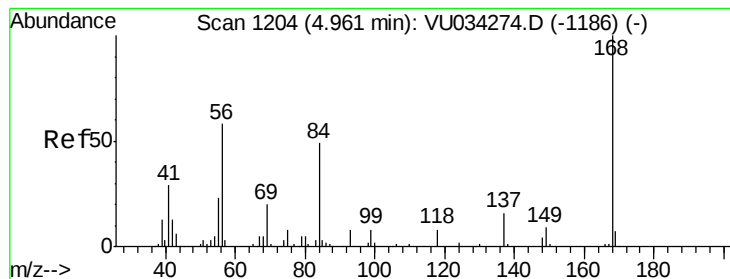
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Sep 06 05:10:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034529.D

Acq: 12 Sep 2019 18:47

Instrument :

MSVOA_U

ClientSampleId :

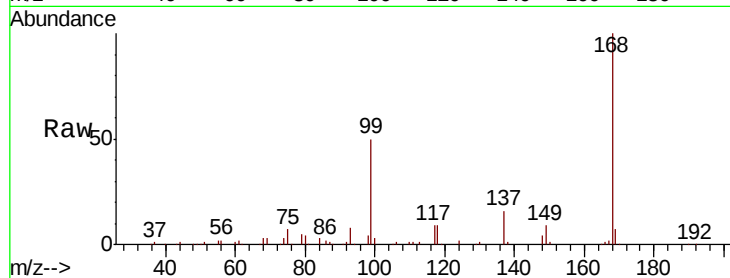
CPA-CPMW10S-M27W1-090319

Tgt Ion:168 Resp: 257161

Ion Ratio Lower Upper

168 100

99 50.1 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): VU034274.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU034274.D (-1186) (-)

4.96

120000

100000

80000

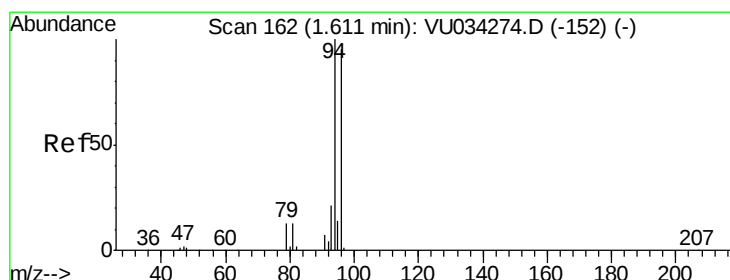
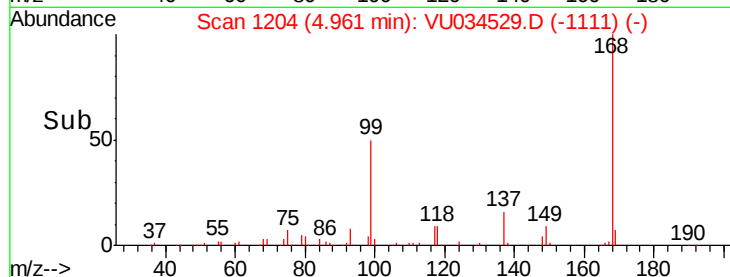
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 168

Delta R.T. 0.02 min

Lab File: VU034529.D

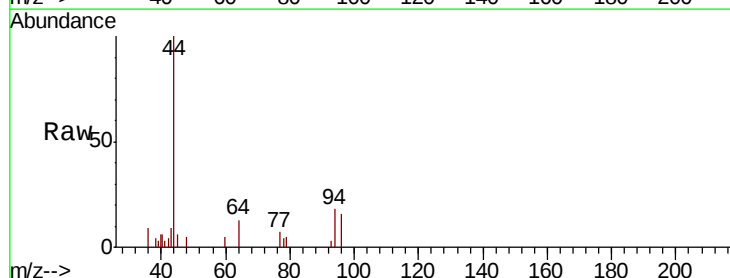
Acq: 12 Sep 2019 18:47

Tgt Ion: 94 Resp: 826

Ion Ratio Lower Upper

94 100

96 90.5 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

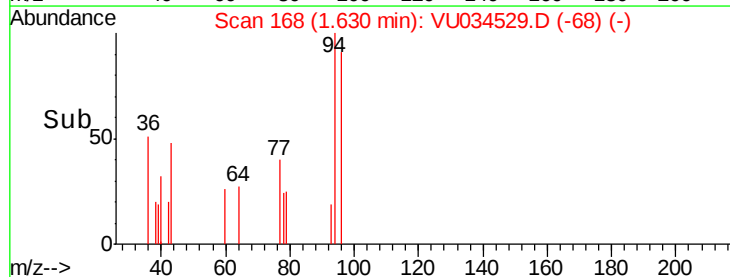
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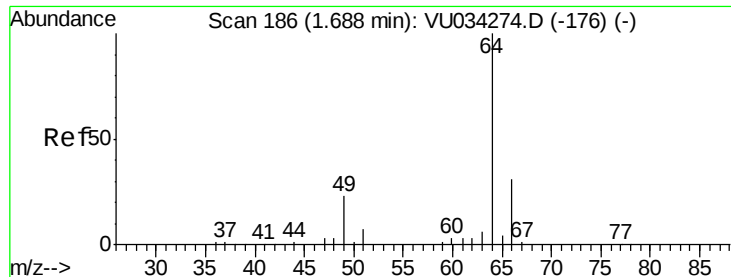
400

200

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 191

Delta R.T. 0.02 min

Lab File: VU034529.D

Acq: 12 Sep 2019 18:47

Instrument :

MSVOA_U

ClientSampleId :

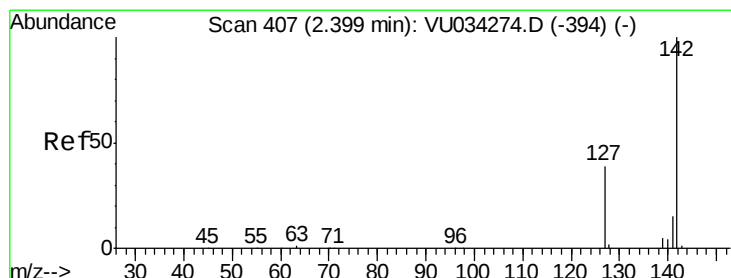
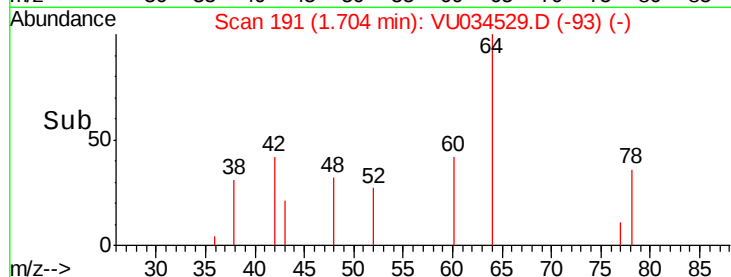
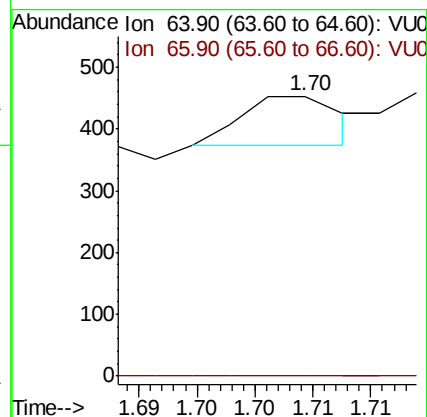
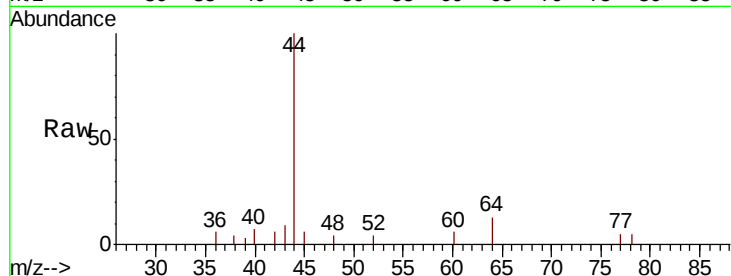
CPA-CPMW10S-M27W1-090319

Tgt Ion: 64 Resp: 47

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#



#10

Methyl Iodide

Concen: 4.059 ug/l

RT: 2.41 min Scan# 410

Delta R.T. 0.01 min

Lab File: VU034529.D

Acq: 12 Sep 2019 18:47

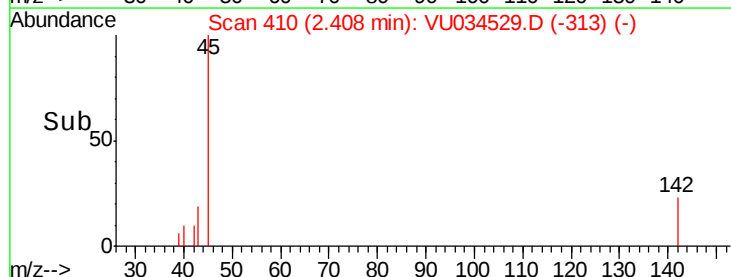
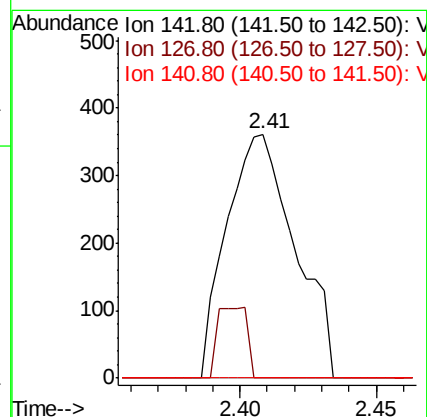
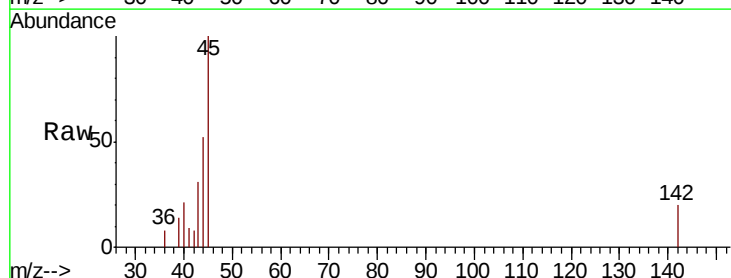
Tgt Ion: 142 Resp: 628

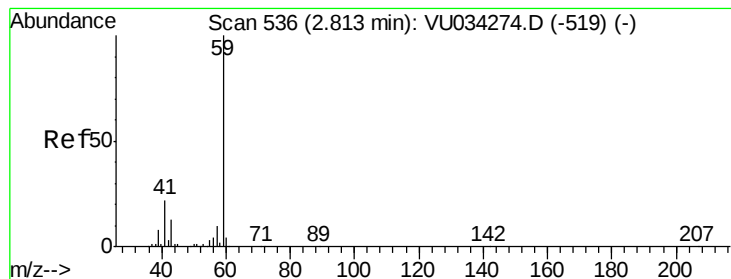
Ion Ratio Lower Upper

142 100

127 12.6 32.1 48.1#

141 0.0 11.5 17.3#



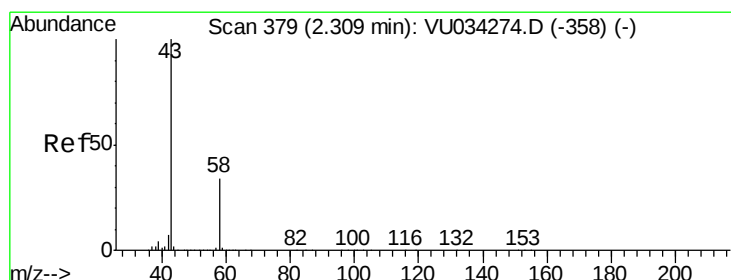
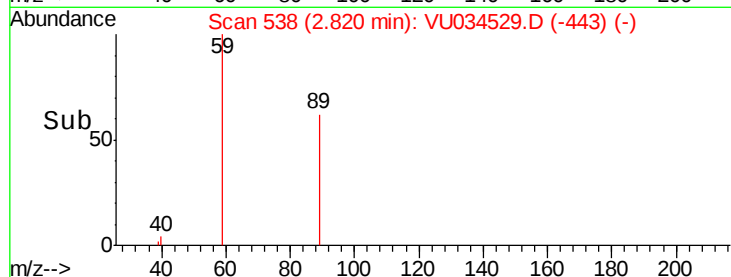
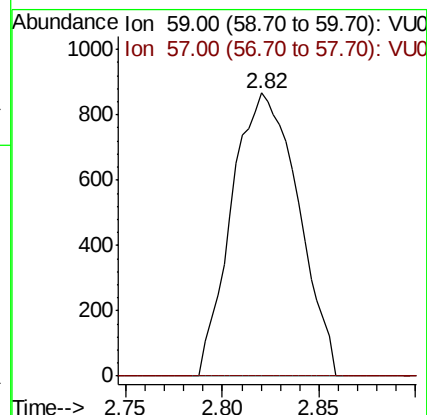
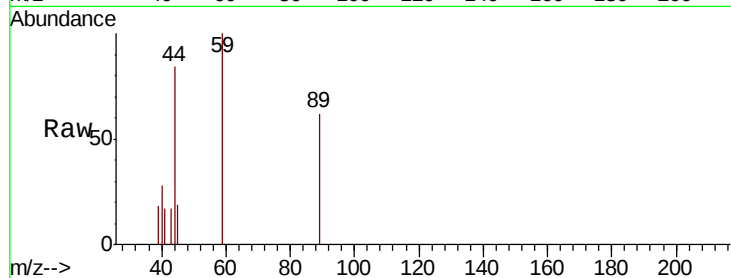


#11

Tert butyl alcohol
 Concen: 2.515 ug/l
 RT: 2.82 min Scan# 538
 Delta R.T. 0.01 min
 Lab File: VU034529.D
 Acq: 12 Sep 2019 18:47

Instrument :
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 CPA-CPMW10S-M27W1-090319

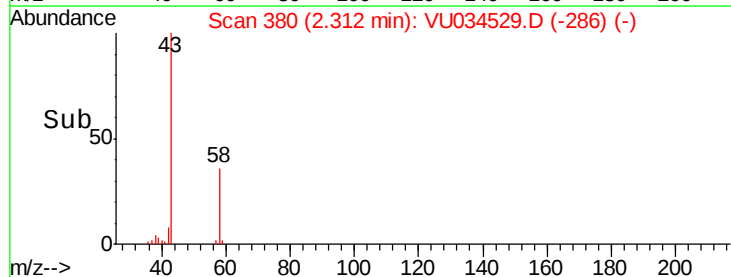
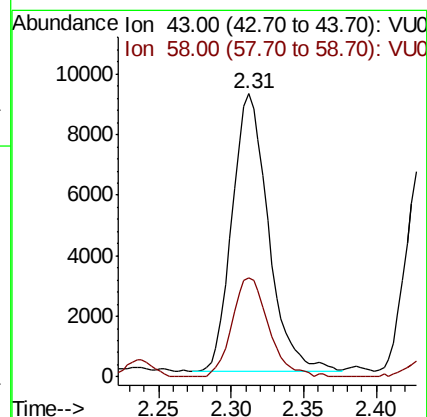
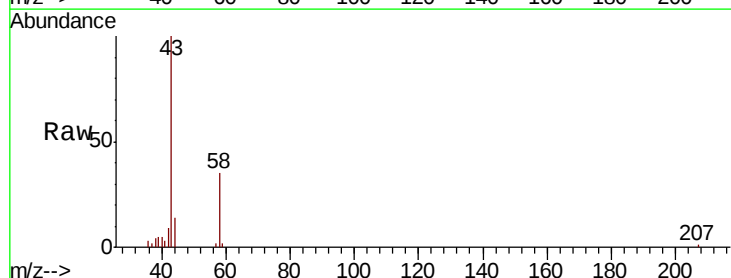
Tgt Ion: 59 Resp: 2067
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

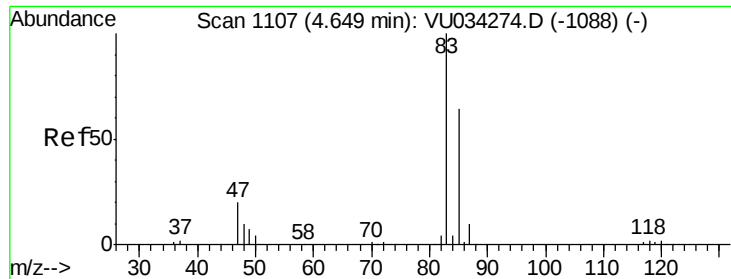


#16

Acetone
 Concen: 7.943 ug/l
 RT: 2.31 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VU034529.D
 Acq: 12 Sep 2019 18:47

Tgt Ion: 43 Resp: 15993
 Ion Ratio Lower Upper
 43 100
 58 35.7 27.6 41.4

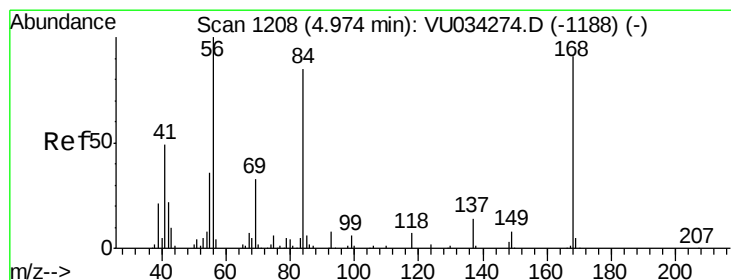
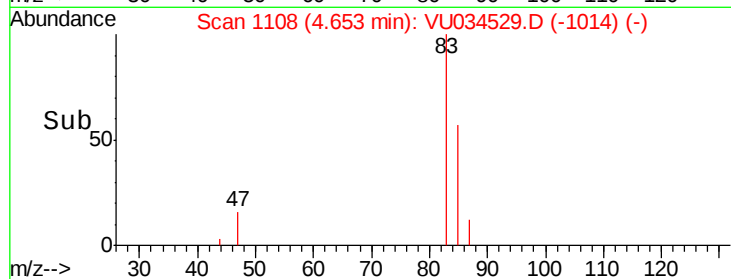
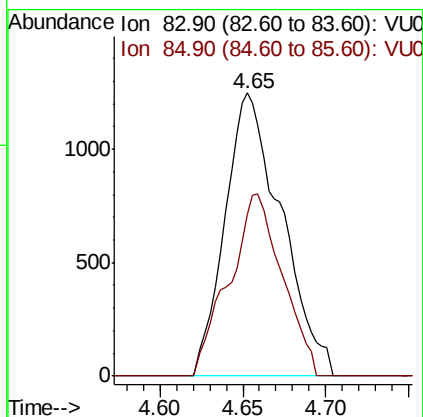
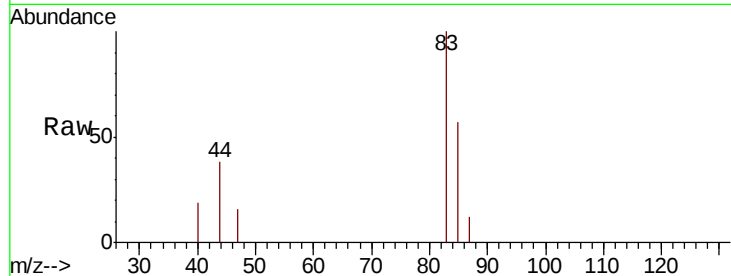




#30
Chloroform
Concen: 0.466 ug/l
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VU034529.D
Acq: 12 Sep 2019 18:47

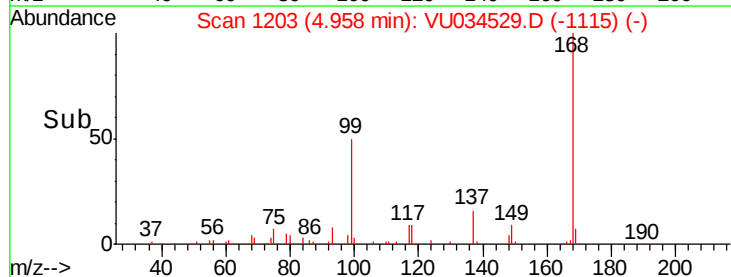
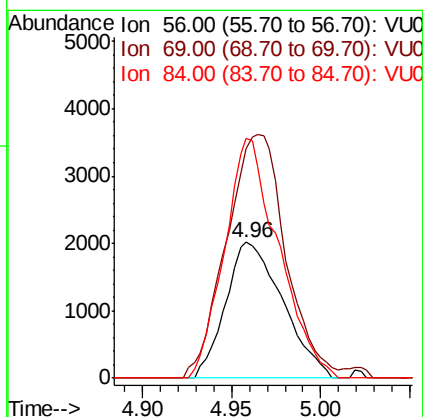
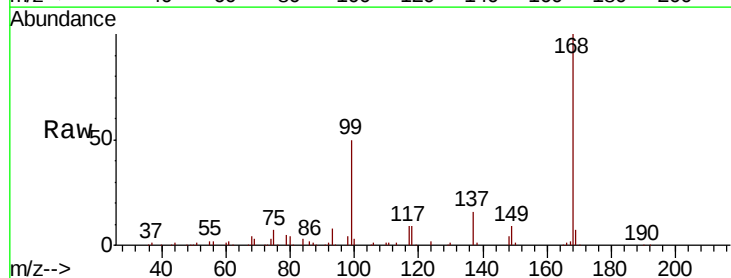
Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW10S-M27W1-090319

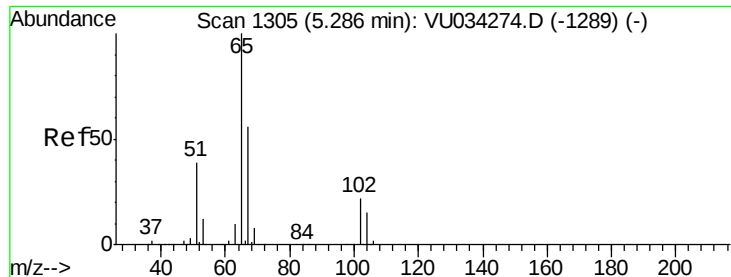
Tgt Ion: 83 Resp: 2950
Ion Ratio Lower Upper
83 100
85 57.3 51.5 77.3



#31
Cyclohexane
Concen: 0.985 ug/l
RT: 4.96 min Scan# 1203
Delta R.T. -0.02 min
Lab File: VU034529.D
Acq: 12 Sep 2019 18:47

Tgt Ion: 56 Resp: 4487
Ion Ratio Lower Upper
56 100
69 162.4 26.7 40.1#
84 176.5 68.2 102.4#





#33

1,2-Dichloroethane-d4

Concen: 58.079 ug/l

RT: 5.29 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU034529.D

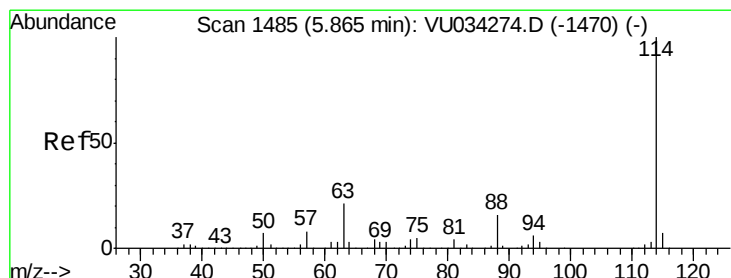
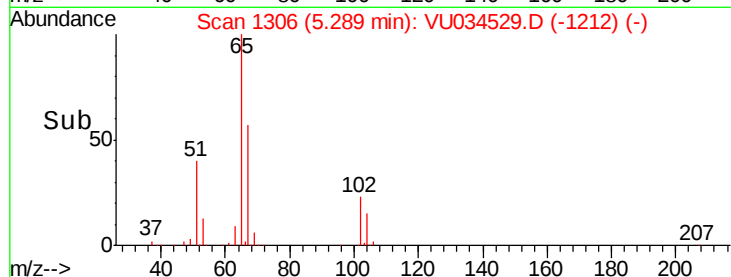
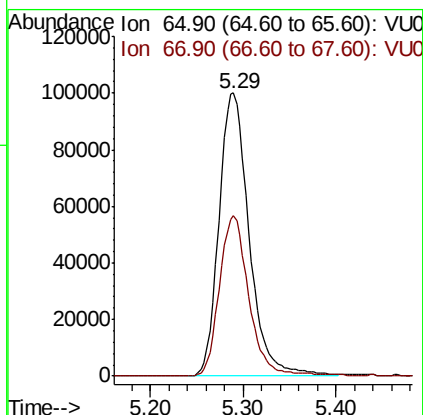
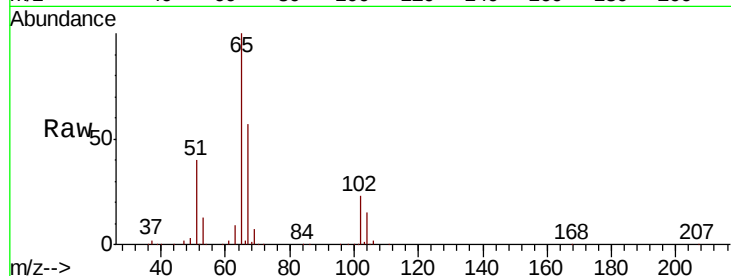
Acq: 12 Sep 2019 18:47

Instrument :
MSVOA_U

ClientSampleId :
CPA-CPMW10S-M27W1-090319

Tgt Ion: 65 Resp: 225982

Ion	Ratio	Lower	Upper
65	100		
67	54.8	0.0	112.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.87 min Scan# 1486

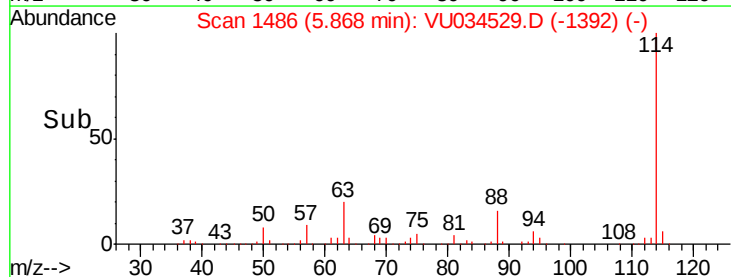
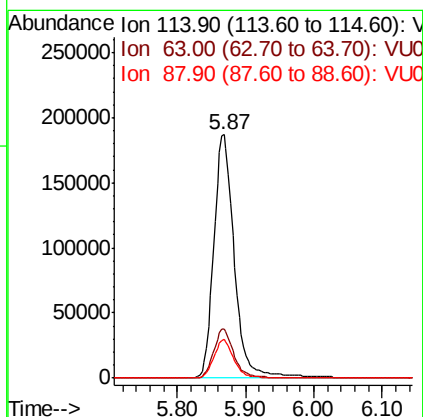
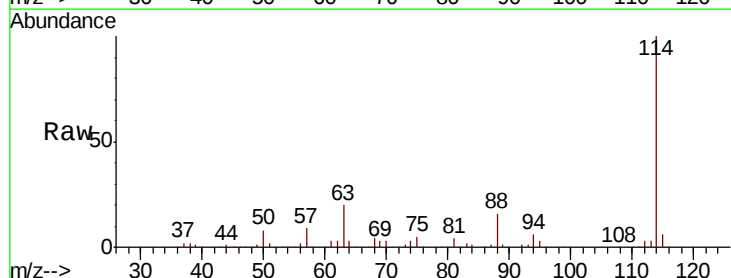
Delta R.T. 0.00 min

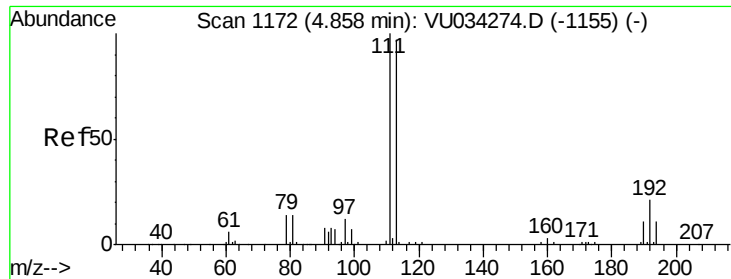
Lab File: VU034529.D

Acq: 12 Sep 2019 18:47

Tgt Ion: 114 Resp: 391574

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	42.4
88	15.8	0.0	32.4

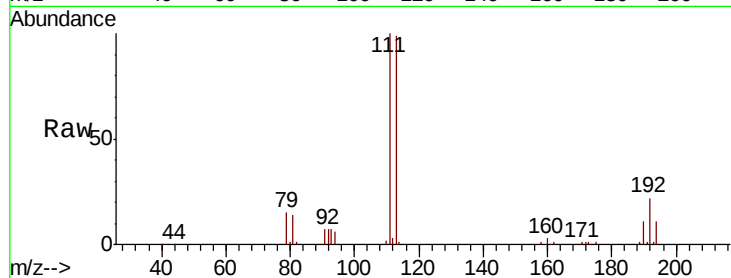




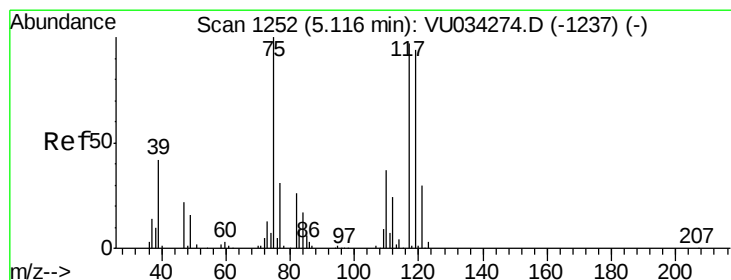
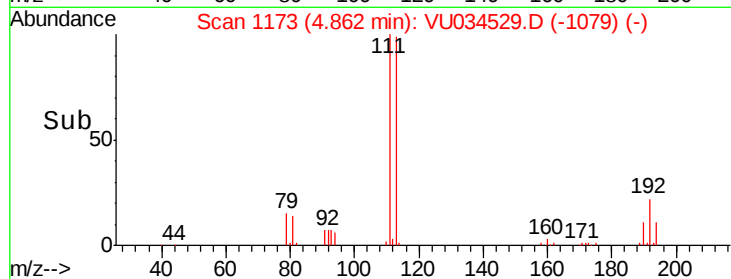
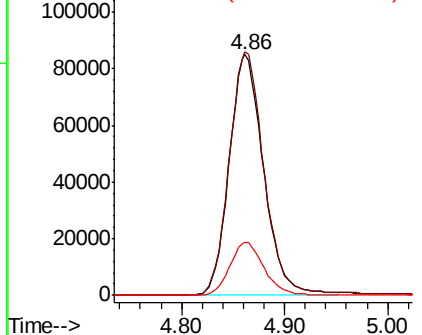
#35
 Dibromofluoromethane
 Concen: 54.295 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034529.D
 Acq: 12 Sep 2019 18:47

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Tgt Ion: 113 Resp: 197830
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.5 122.3
 192 21.9 17.8 26.8

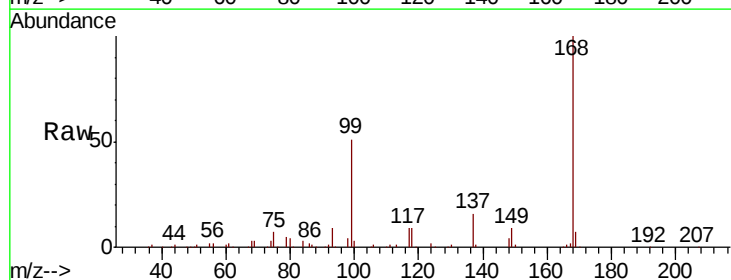


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

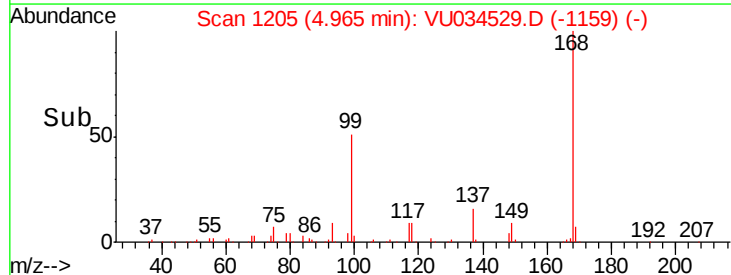
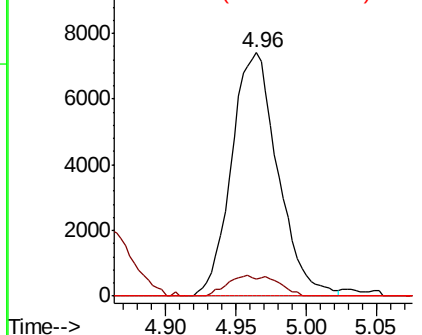


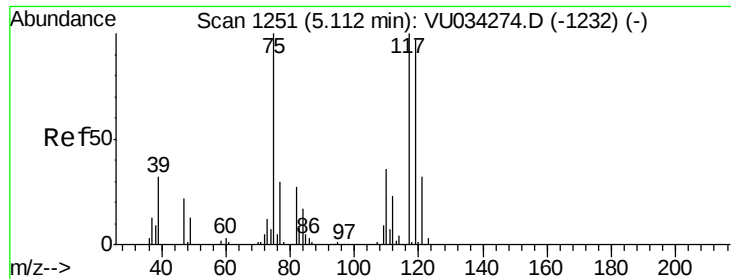
#36
 1,1-Dichloropropene
 Concen: 4.014 ug/l
 RT: 4.96 min Scan# 1205
 Delta R.T. -0.15 min
 Lab File: VU034529.D
 Acq: 12 Sep 2019 18:47

Tgt Ion: 75 Resp: 17046
 Ion Ratio Lower Upper
 75 100
 110 5.3 18.3 54.9#
 77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 4.937 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. -0.15 min

Lab File: VU034529.D

Acq: 12 Sep 2019 18:47

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW10S-M27W1-090319

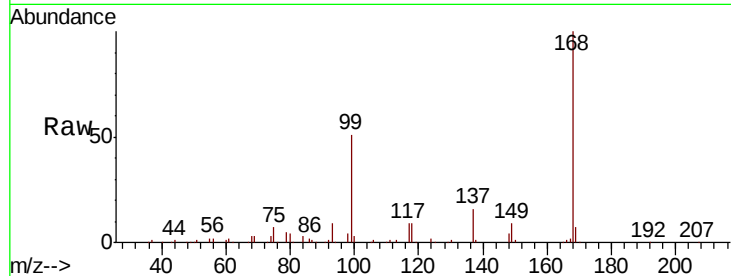
Tgt Ion:117 Resp: 22384

Ion Ratio Lower Upper

117 100

119 5.3 77.8 116.6#

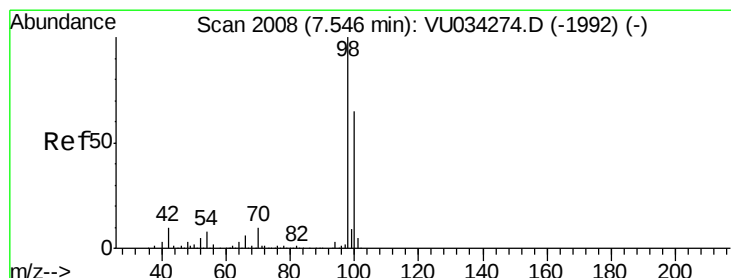
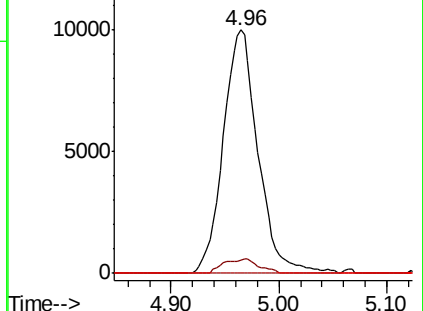
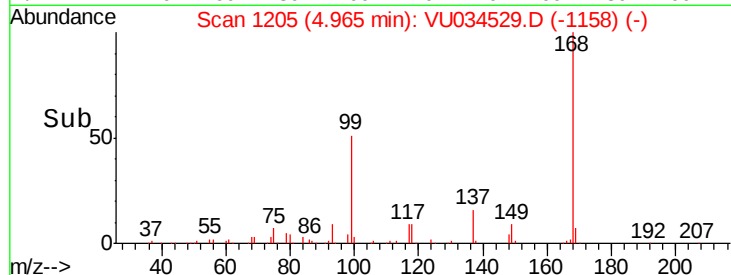
121 0.0 25.2 37.8#



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: 52.816 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VU034529.D

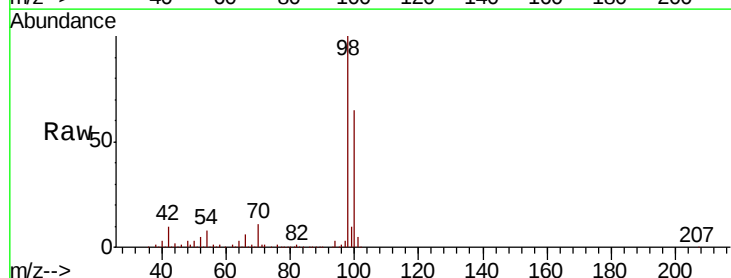
Acq: 12 Sep 2019 18:47

Tgt Ion: 98 Resp: 723010

Ion Ratio Lower Upper

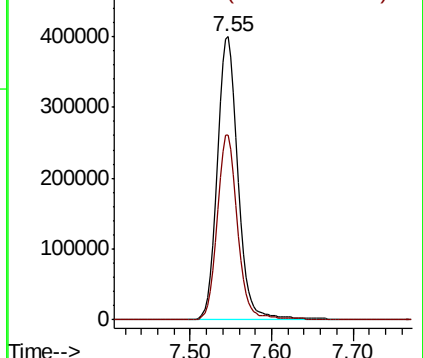
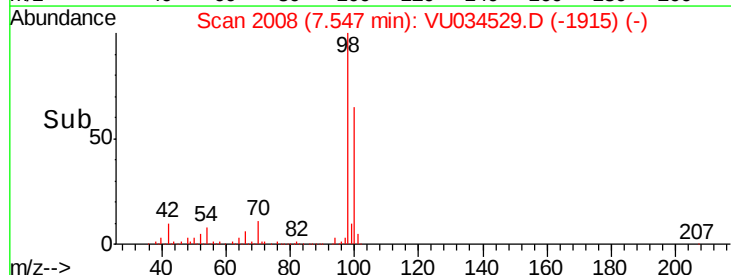
98 100

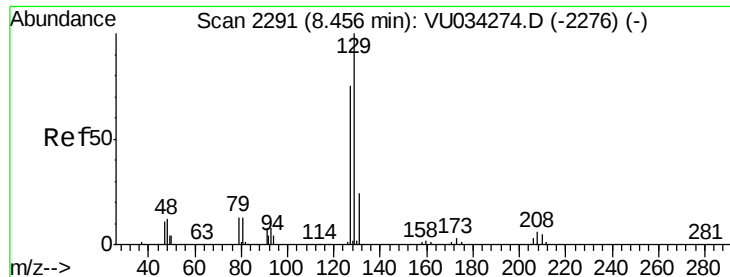
100 64.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#60

Dibromochloromethane

Concen: 4.039 ug/l

RT: 8.21 min Scan# 2214

Delta R.T. -0.25 min

Lab File: VU034529.D

Acq: 12 Sep 2019 18:47

Instrument :

MSVOA_U

ClientSampleId :

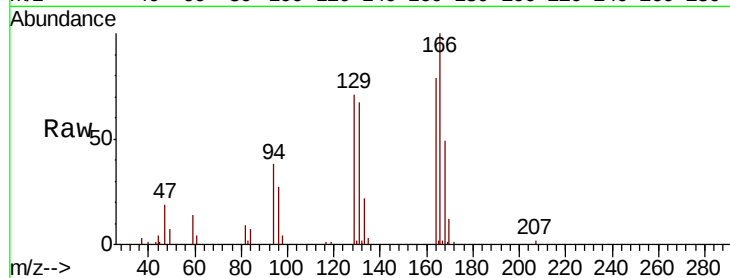
CPA-CPMW10S-M27W1-090319

Tgt Ion:129 Resp: 16911

Ion Ratio Lower Upper

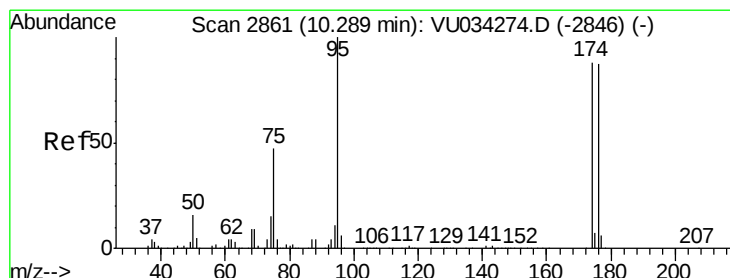
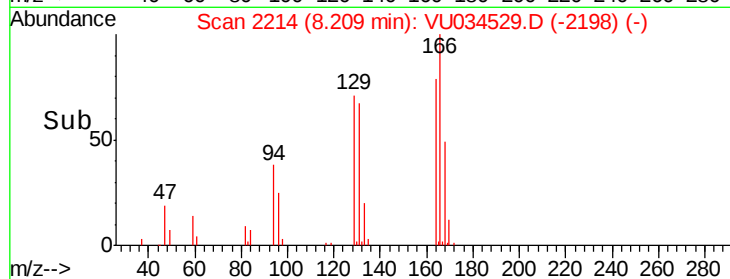
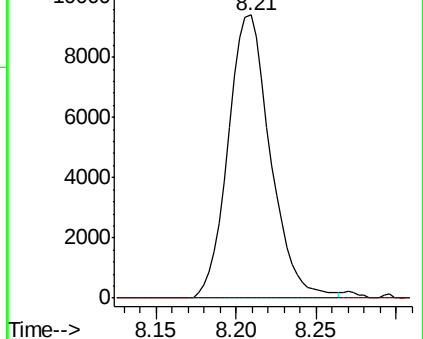
129 100

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



#62

4-Bromofluorobenzene

Concen: 46.516 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034529.D

Acq: 12 Sep 2019 18:47

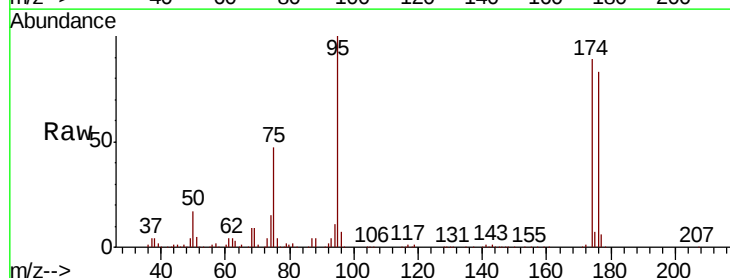
Tgt Ion: 95 Resp: 245851

Ion Ratio Lower Upper

95 100

174 89.3 0.0 175.2

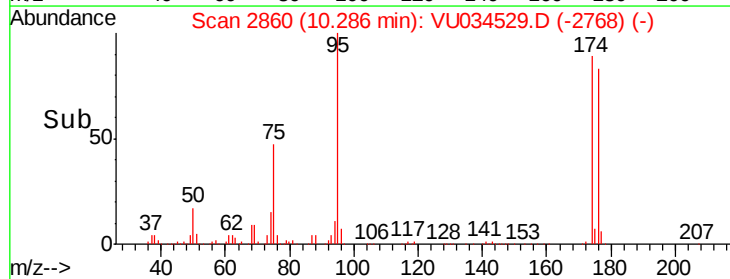
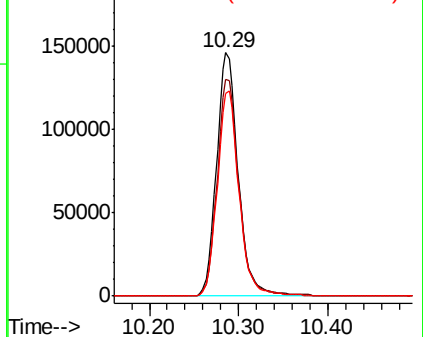
176 84.6 0.0 168.0

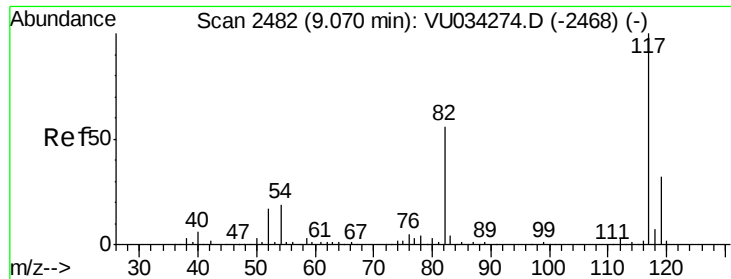


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

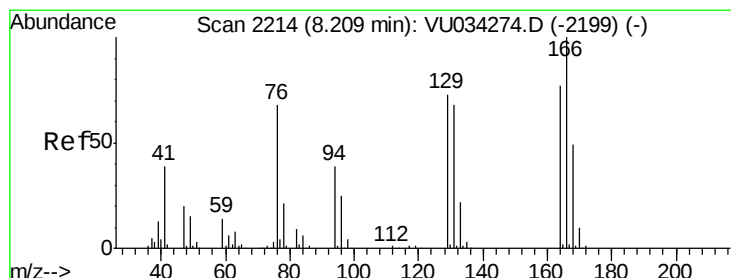
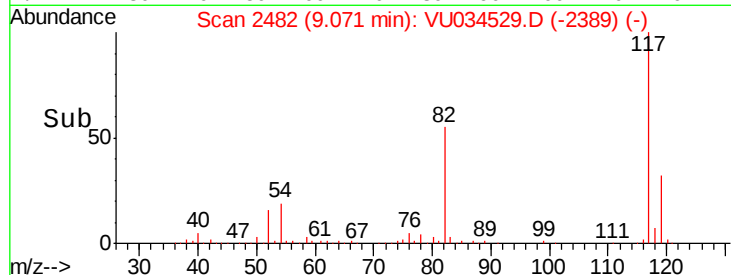
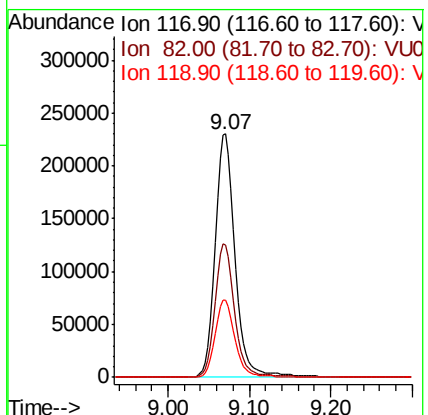
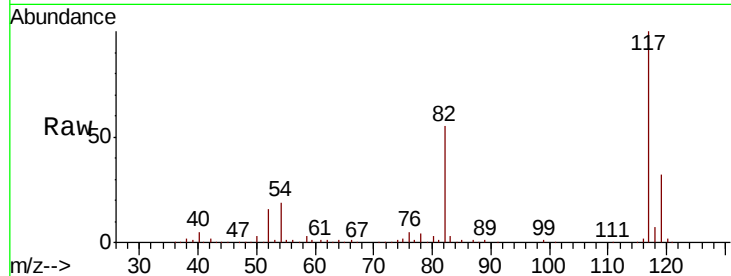




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034529.D
Acq: 12 Sep 2019 18:47

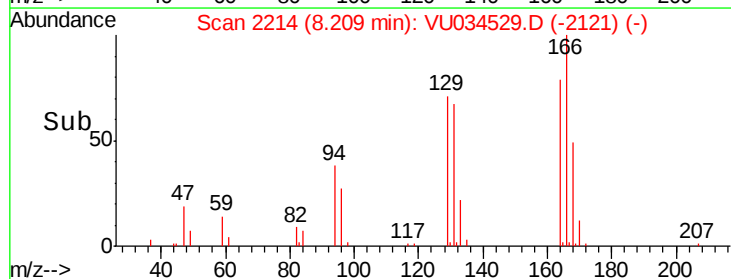
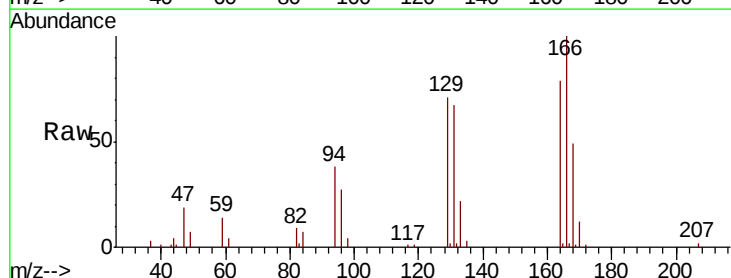
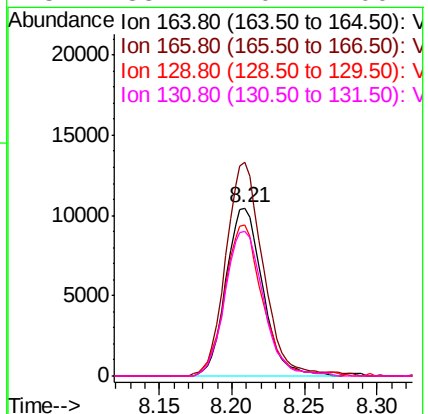
Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW10S-M27W1-090319

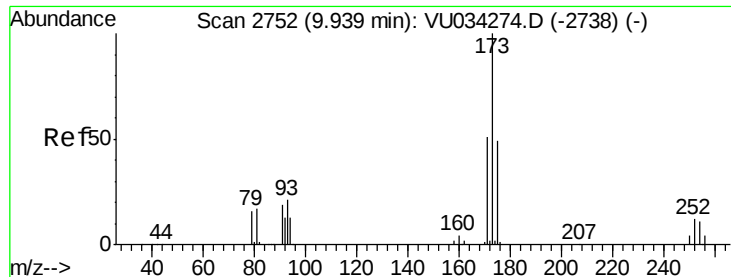
Tgt Ion:117 Resp: 398744
Ion Ratio Lower Upper
117 100
82 54.5 44.6 67.0
119 31.7 25.9 38.9



#64
Tetrachloroethene
Concen: 5.313 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034529.D
Acq: 12 Sep 2019 18:47

Tgt Ion:164 Resp: 18380
Ion Ratio Lower Upper
164 100
166 127.0 103.7 155.5
129 89.7 75.8 113.8
131 85.7 70.7 106.1





#71

Bromoform

Concen: 0.432 ug/l

RT: 9.94 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VU034529.D

Acq: 12 Sep 2019 18:47

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW10S-M27W1-090319

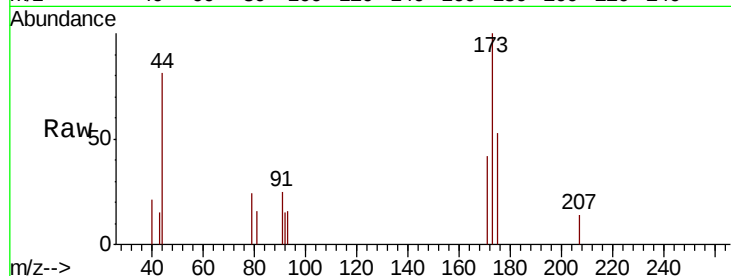
Tgt Ion:173 Resp: 1445

Ion Ratio Lower Upper

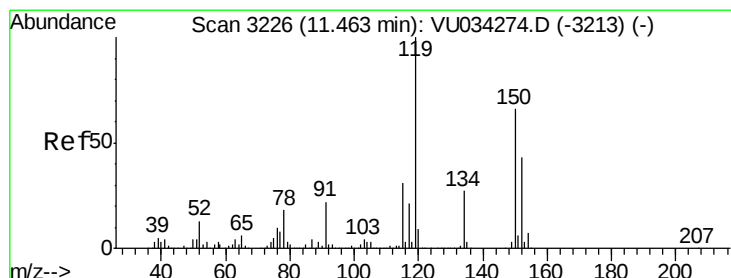
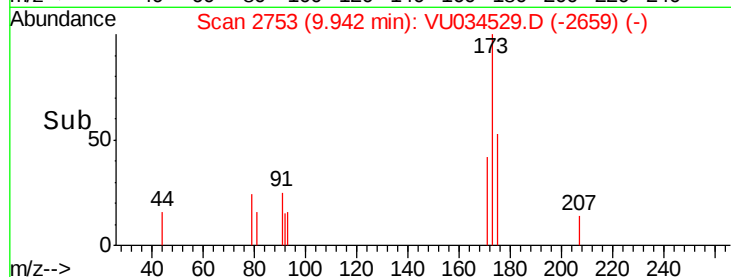
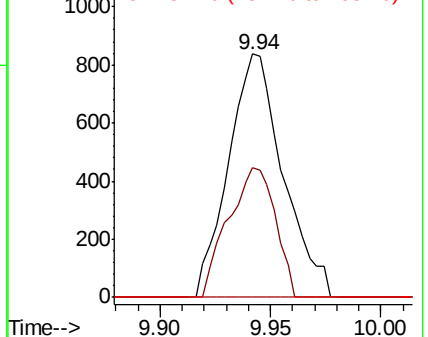
173 100

175 45.7 24.4 73.2

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): 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: VU034529.D

Acq: 12 Sep 2019 18:47

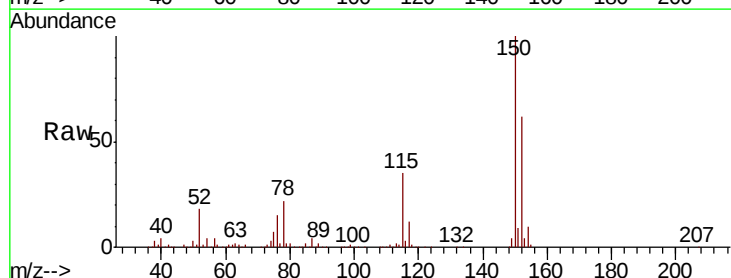
Tgt Ion:152 Resp: 228792

Ion Ratio Lower Upper

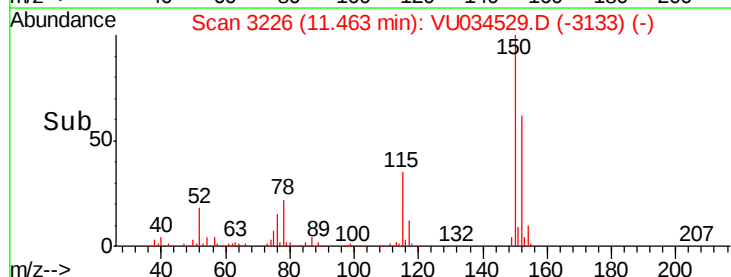
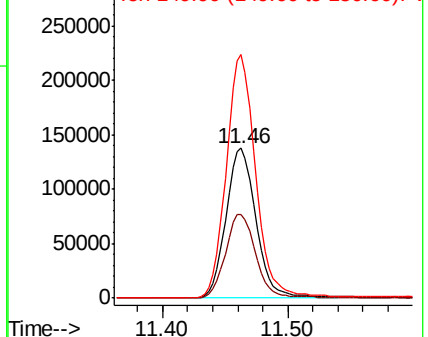
152 100

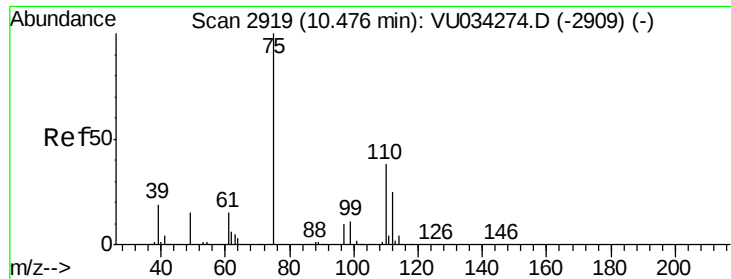
115 56.6 39.1 117.3

150 159.5 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: 22.893 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.19 min

Lab File: VU034529.D

Acq: 12 Sep 2019 18:47

Instrument :

MSVOA_U

ClientSampleId :

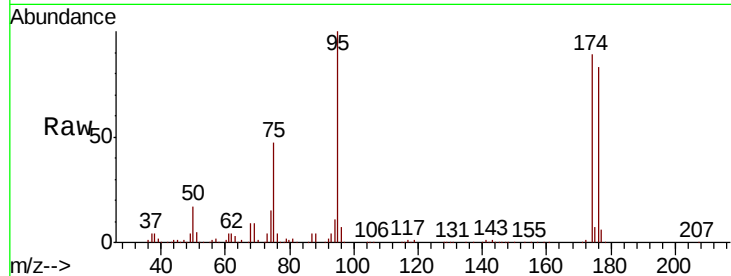
CPA-CPMW10S-M27W1-090319

Tgt Ion: 75 Resp: 114331

Ion Ratio Lower Upper

75 100

77 1.3 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) (-)

10.29

80000

60000

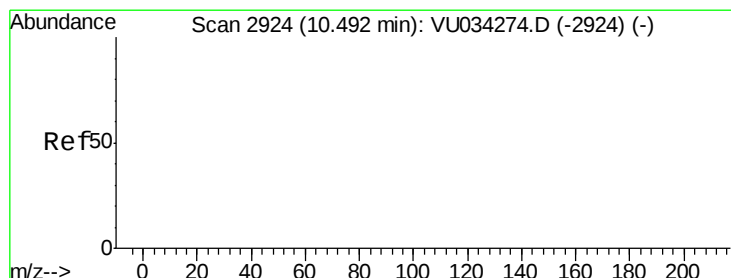
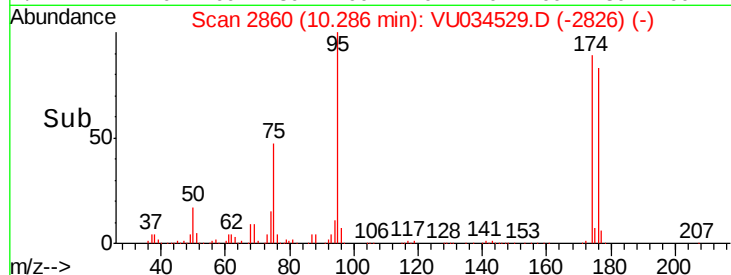
40000

20000

0

10.20 10.30 10.40

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 76.988 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.21 min

Lab File: VU034529.D

Acq: 12 Sep 2019 18:47

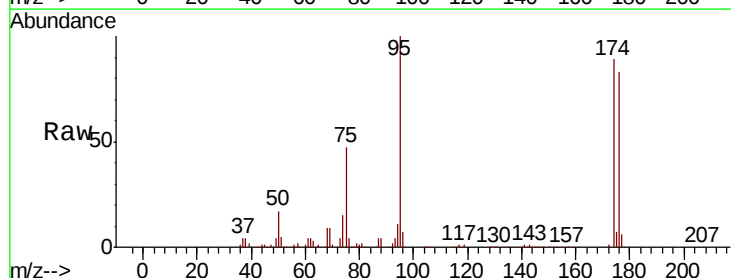
Tgt Ion: 75 Resp: 114331

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): 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) (-)

10.29

80000

60000

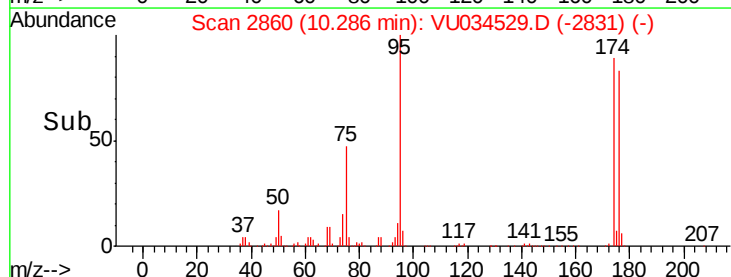
40000

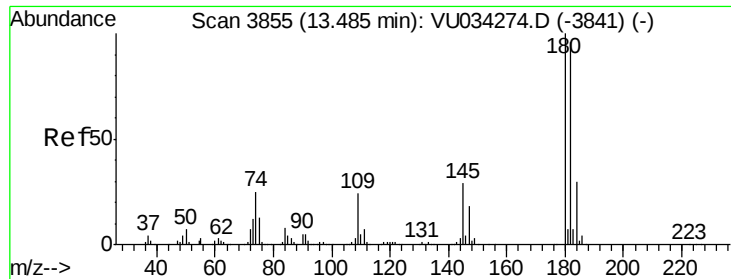
20000

0

10.20 10.30 10.40

Time-->

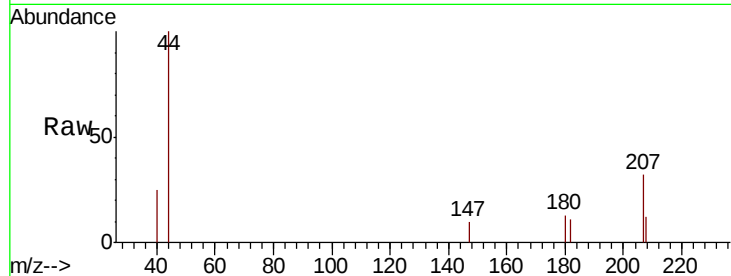




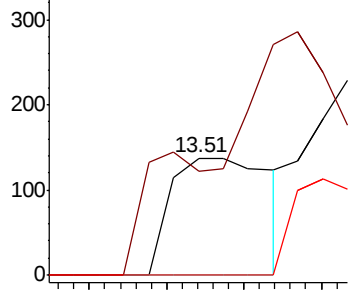
#93
 1,2,4-Trichlorobenzene
 Concen: 3.473 ug/l
 RT: 13.51 min Scan# 3864
 Delta R.T. 0.03 min
 Lab File: VU034529.D
 Acq: 12 Sep 2019 18:47

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW10S-M27W1-090319

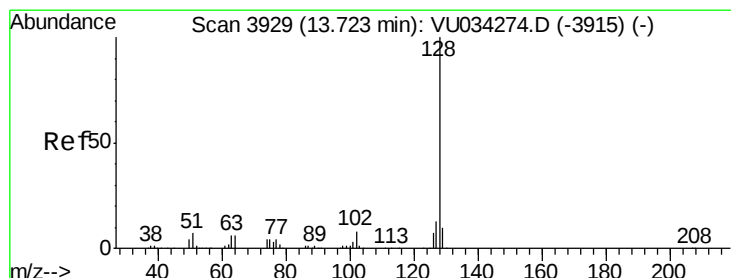
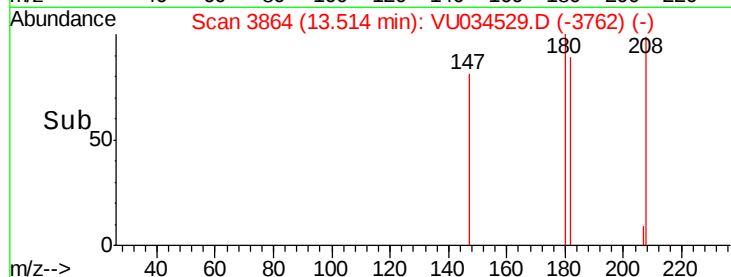
Tgt Ion:180 Resp: 123
 Ion Ratio Lower Upper
 180 100
 182 291.9 47.9 143.8#
 145 49.6 14.4 43.0#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

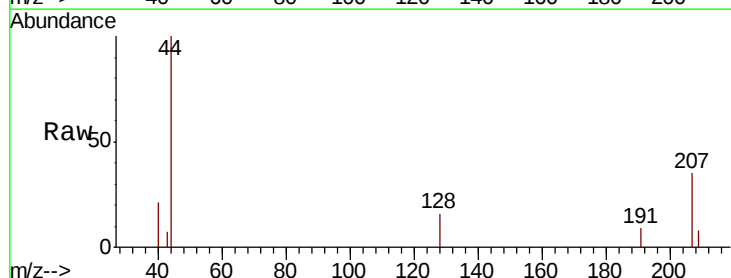


Time--> 13.50 13.51 13.52 13.53

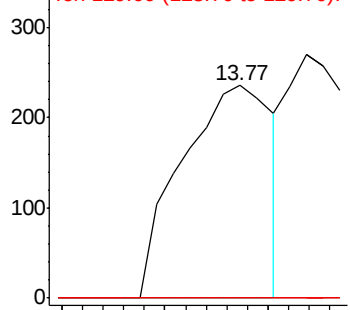


#95
 Naphthalene
 Concen: 3.983 ug/l
 RT: 13.77 min Scan# 3945
 Delta R.T. 0.05 min
 Lab File: VU034529.D
 Acq: 12 Sep 2019 18:47

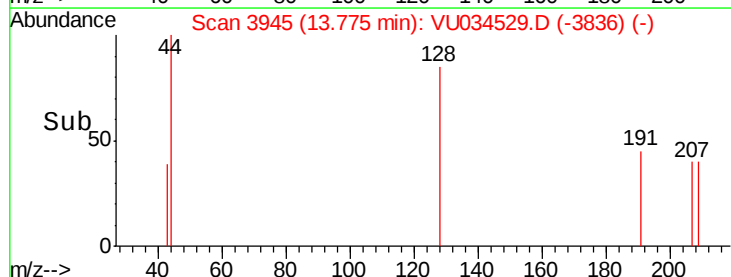
Tgt Ion:128 Resp: 287
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.6 15.8#
 129 0.0 8.4 12.6#

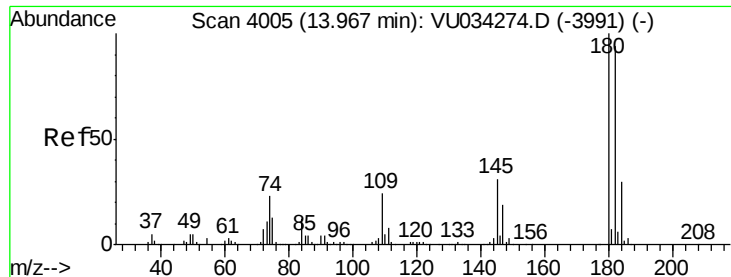


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V



Time--> 13.74 13.76 13.78





#96
 1,2,3-Trichlorobenzene
 Concen: 2.678 ug/l
 RT: 14.00 min Scan# 4015
 Delta R.T. 0.03 min
 Lab File: VU034529.D
 Acq: 12 Sep 2019 18:47

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW10S-M27W1-090319

Tgt Ion:180 Resp: 217
 Ion Ratio Lower Upper
 180 100
 182 57.1 48.4 145.0
 145 0.0 15.4 46.4#

