

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091219\
 Data File : VU034539.D
 Acq On : 12 Sep 2019 22:39
 Operator : JC/SP
 Sample : K4756-14
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW02D-M27W1-090419RE

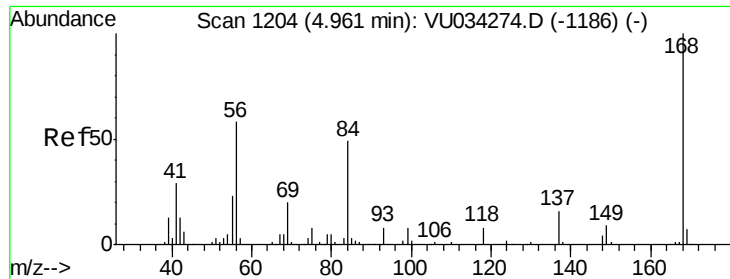
Quant Time: Sep 13 07:14:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 05:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	227890	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	350403	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	354486	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	197517	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	220143	63.85	ug/l	0.00
Spiked Amount			Recovery	=	127.70%	
35) Dibromofluoromethane	4.86	113	191094	58.61	ug/l	0.00
Spiked Amount			Recovery	=	117.22%	
50) Toluene-d8	7.55	98	632533	51.64	ug/l	0.00
Spiked Amount			Recovery	=	103.28%	
62) 4-Bromofluorobenzene	10.29	95	211409	44.70	ug/l	0.00
Spiked Amount			Recovery	=	89.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	604	Below Cal		93
6) Chloroethane	1.69	64	101	Below Cal	#	43
10) Methyl Iodide	2.40	142	46	3.864	ug/l #	43
11) Tert butyl alcohol	2.82	59	11475	15.753	ug/l #	73
14) Allyl chloride	2.43	41	2402	0.507	ug/l #	66
16) Acetone	2.31	43	2666	1.494	ug/l	91
18) Methyl Acetate	2.43	43	5421	1.249	ug/l #	52
20) Methylene Chloride	2.69	84	604	Below Cal	#	88
31) Cyclohexane	4.96	56	3623	0.897	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	16302	4.290	ug/l #	47
38) Carbon Tetrachloride	4.96	117	21076	5.194	ug/l #	16
60) Dibromochloromethane	8.21	129	7916	2.113	ug/l #	12
64) Tetrachloroethene	8.21	164	8566	2.785	ug/l	96
76) 1,2,3-Trichloropropane	10.29	75	98873	22.933	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.29	75	98873	77.121	ug/l #	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VU034539.D

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MSVOA_U

ClientSampleId :

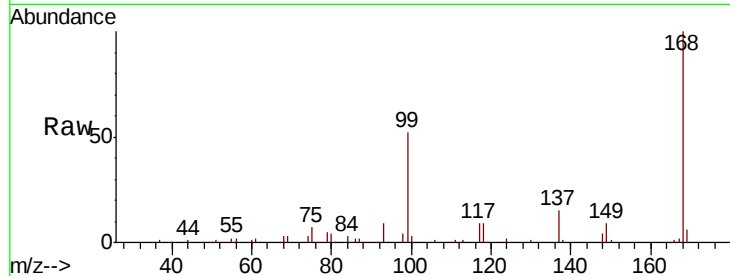
CPA-CPMW02D-M27W1-090419RE

Tgt Ion: 168 Resp: 227890

Ion Ratio Lower Upper

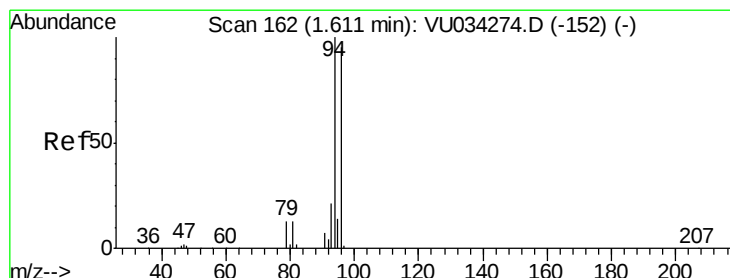
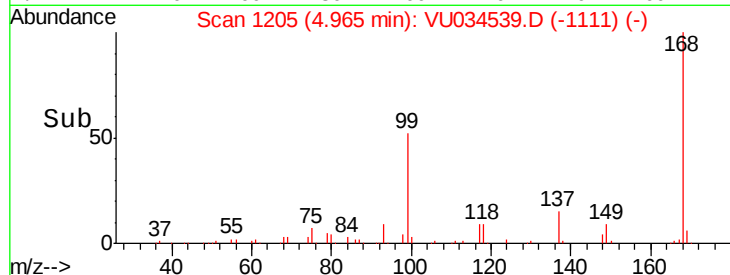
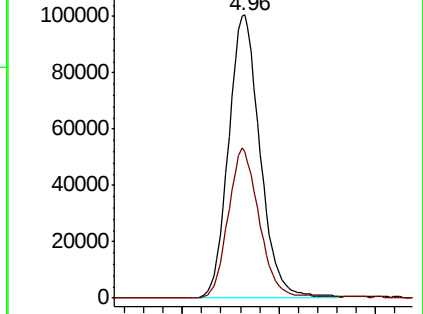
168 100

99 51.8 41.6 62.4



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

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



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 168

Delta R.T. 0.02 min

Lab File: VU034539.D

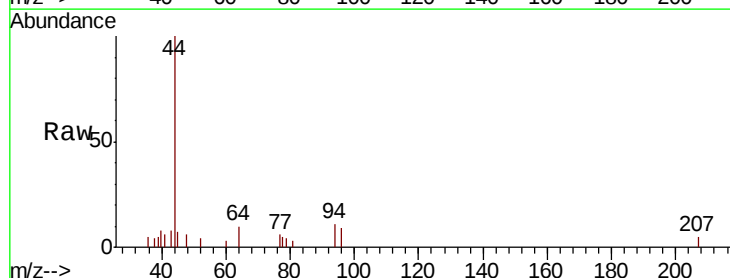
Acq: 12 Sep 2019 22:39

Tgt Ion: 94 Resp: 604

Ion Ratio Lower Upper

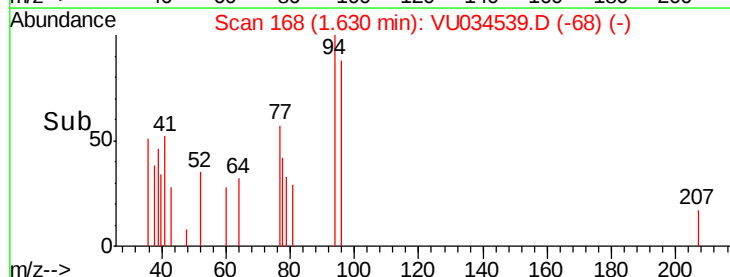
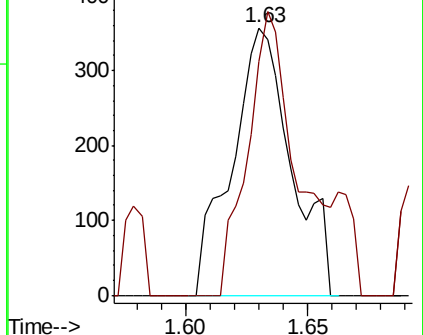
94 100

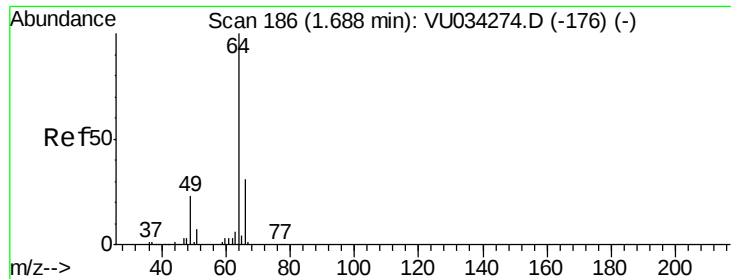
96 87.7 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VU034274.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VU034274.D (-152) (-)





#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU034539.D

Acq: 12 Sep 2019 22:39

Instrument :

MSVOA_U

ClientSampleId :

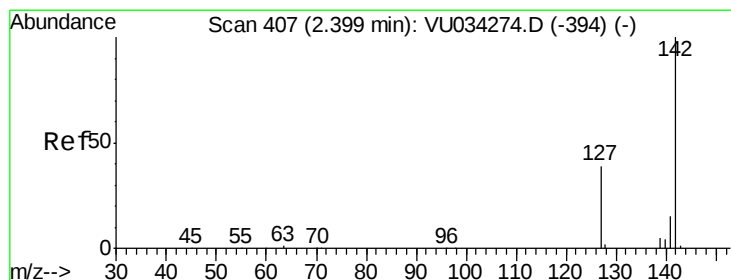
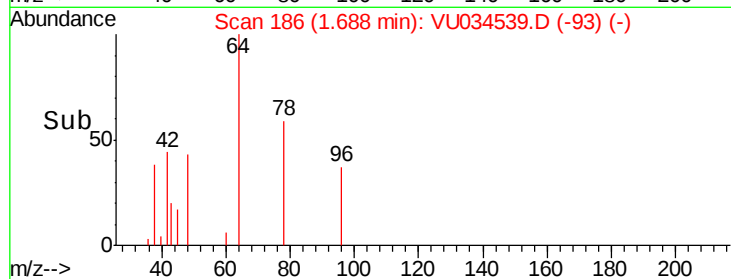
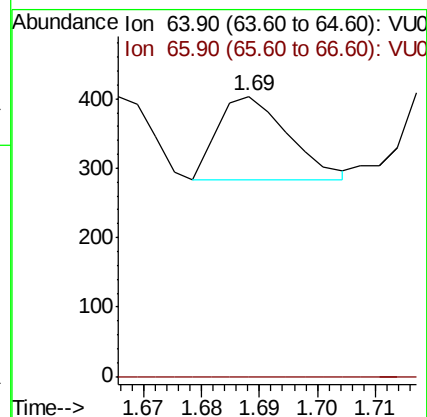
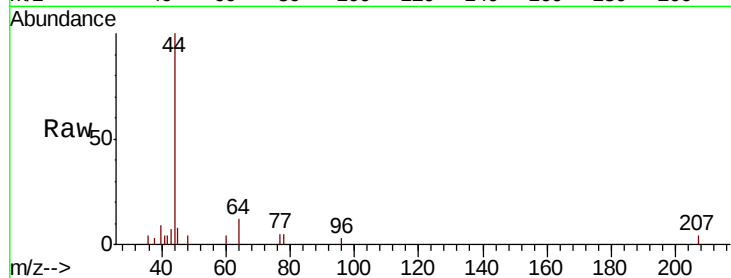
CPA-CPMW02D-M27W1-090419RE

Tgt Ion: 64 Resp: 101

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#



#10

Methyl Iodide

Concen: 3.864 ug/l

RT: 2.40 min Scan# 408

Delta R.T. 0.00 min

Lab File: VU034539.D

Acq: 12 Sep 2019 22:39

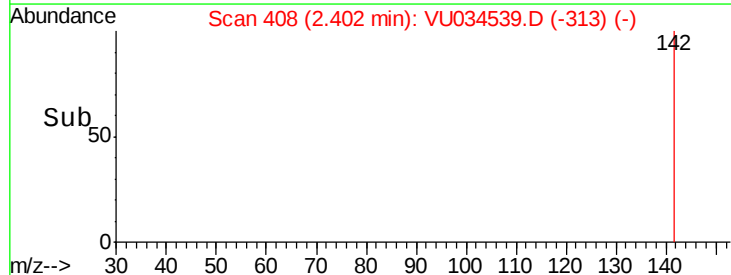
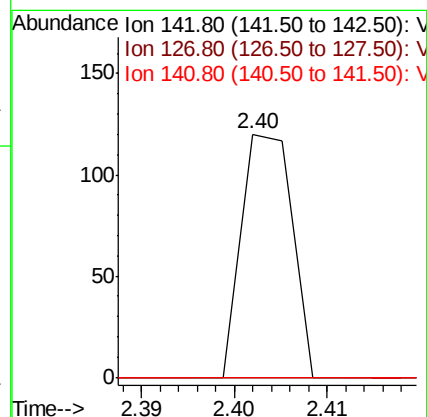
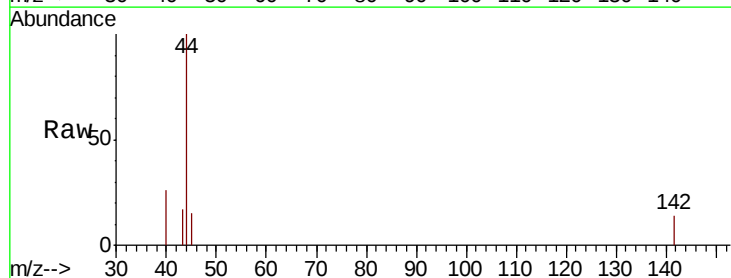
Tgt Ion: 142 Resp: 46

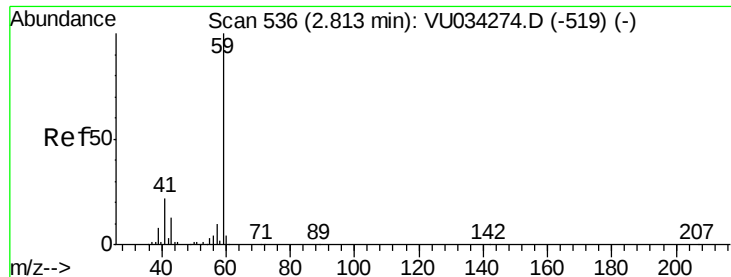
Ion Ratio Lower Upper

142 100

127 0.0 32.1 48.1#

141 0.0 11.5 17.3#

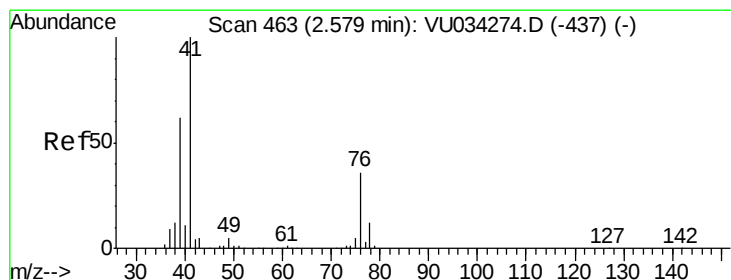
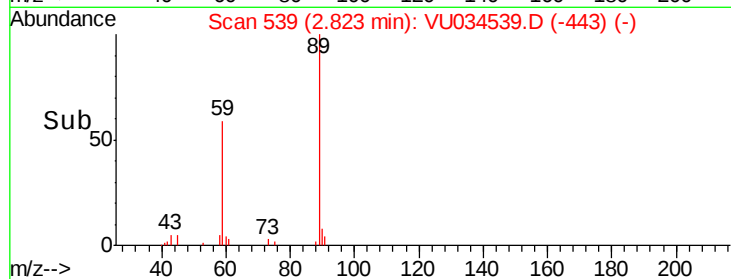
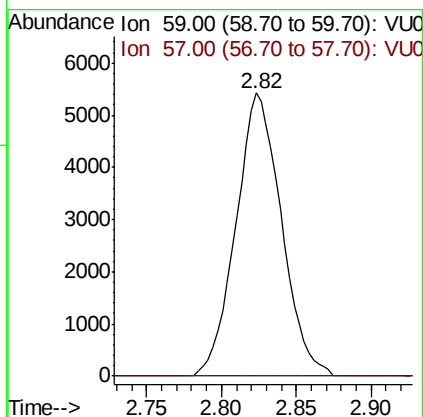
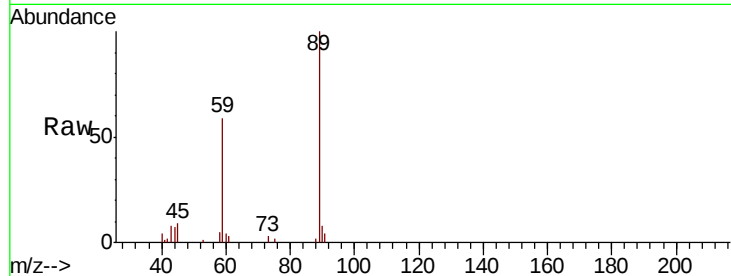




#11
Tert butyl alcohol
Concen: 15.753 ug/l
RT: 2.82 min Scan# 539
Delta R.T. 0.01 min
Lab File: VU034539.D
Acq: 12 Sep 2019 22:39

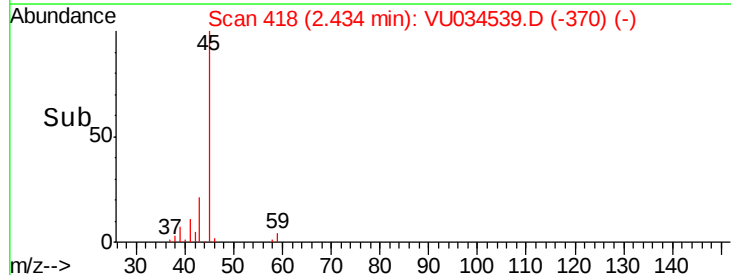
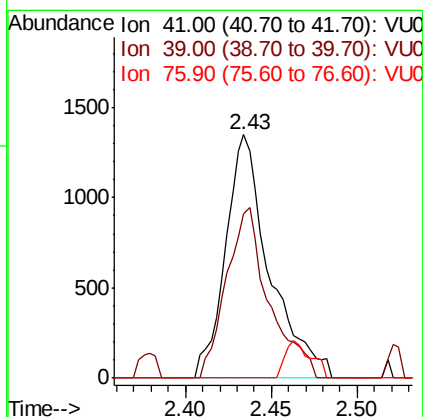
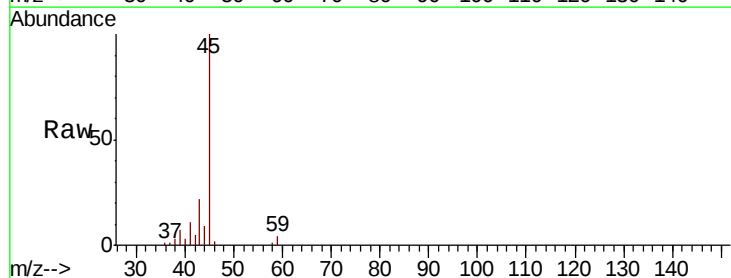
Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW02D-M27W1-090419RE

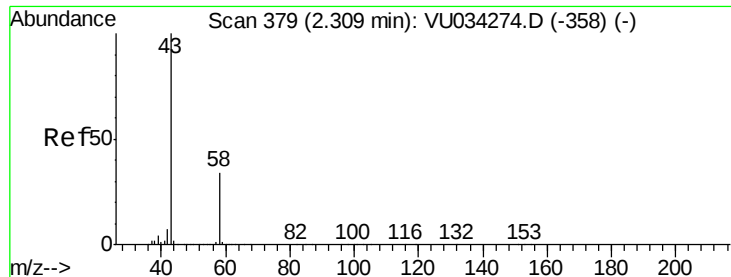
Tgt Ion: 59 Resp: 11475
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#



#14
Allyl chloride
Concen: 0.507 ug/l
RT: 2.43 min Scan# 418
Delta R.T. -0.14 min
Lab File: VU034539.D
Acq: 12 Sep 2019 22:39

Tgt Ion: 41 Resp: 2402
Ion Ratio Lower Upper
41 100
39 67.7 43.5 65.3#
76 0.0 27.0 40.6#





#16

Acetone

Concen: 1.494 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034539.D

Acq: 12 Sep 2019 22:39

Instrument :

MSVOA_U

ClientSampleId :

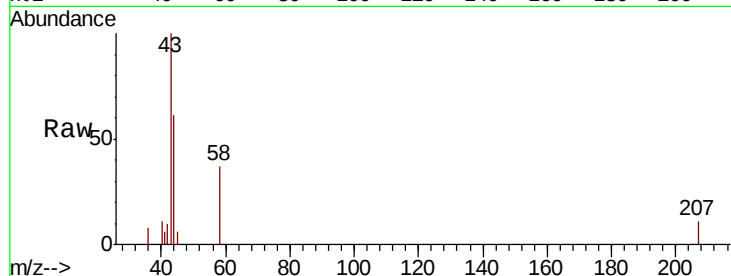
CPA-CPMW02D-M27W1-090419RE

Tgt Ion: 43 Resp: 2666

Ion Ratio Lower Upper

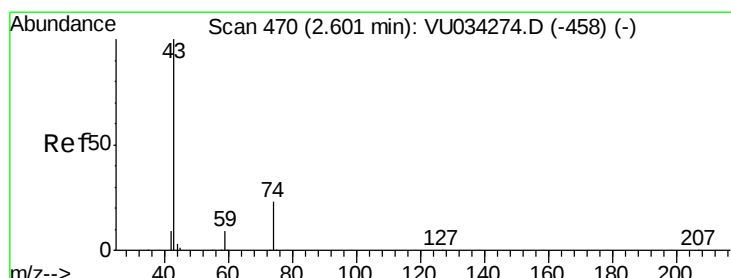
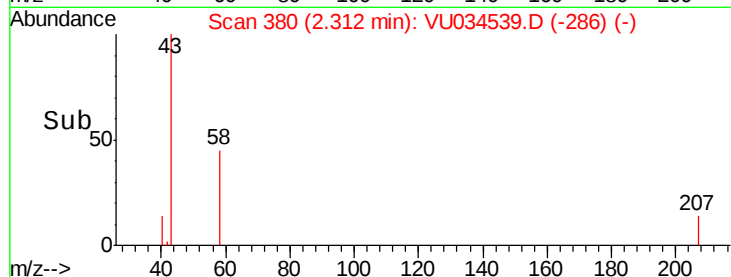
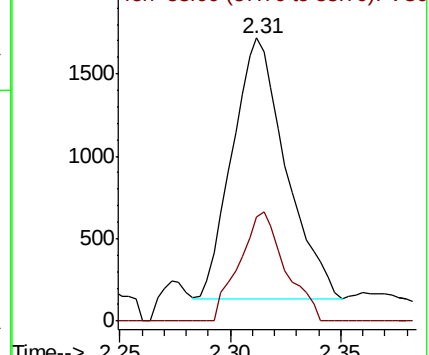
43 100

58 39.9 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VU034539.D (-380) (-)

Ion 58.00 (57.70 to 58.70): VU034539.D (-380) (-)



#18

Methyl Acetate

Concen: 1.249 ug/l

RT: 2.43 min Scan# 418

Delta R.T. -0.17 min

Lab File: VU034539.D

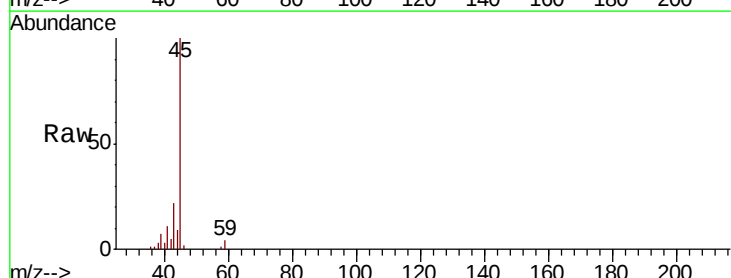
Acq: 12 Sep 2019 22:39

Tgt Ion: 43 Resp: 5421

Ion Ratio Lower Upper

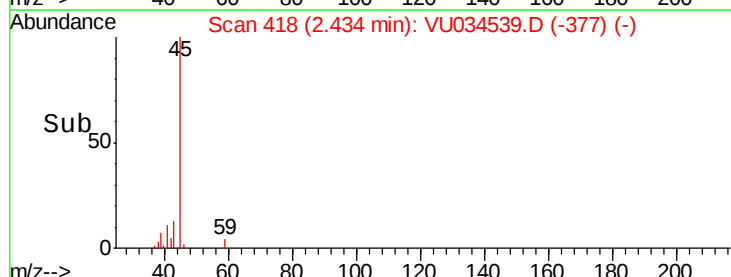
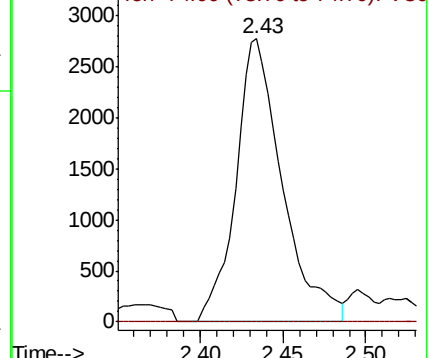
43 100

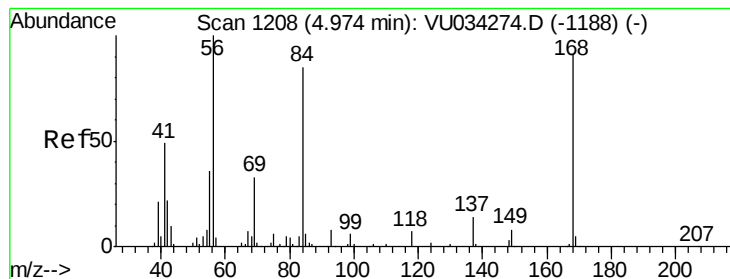
74 0.0 18.9 28.3#



Abundance Ion 43.00 (42.70 to 43.70): VU034539.D (-418) (-)

Ion 74.00 (73.70 to 74.70): VU034539.D (-418) (-)





#31

Cyclohexane

Concen: 0.897 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VU034539.D

Acq: 12 Sep 2019 22:39

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW02D-M27W1-090419RE

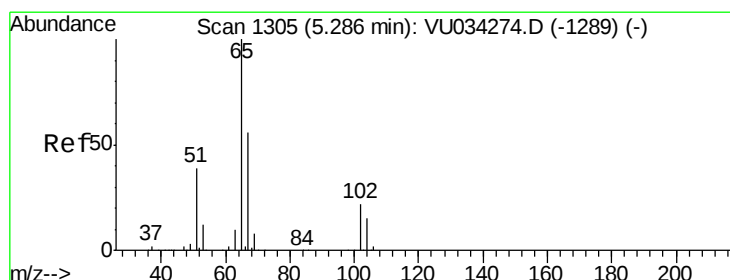
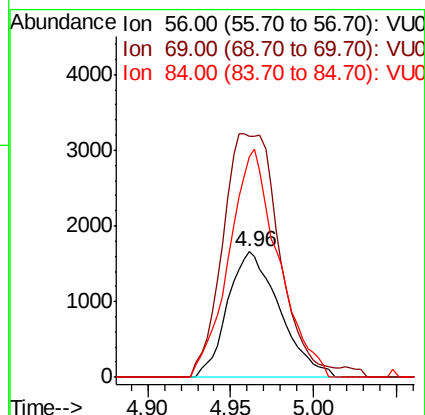
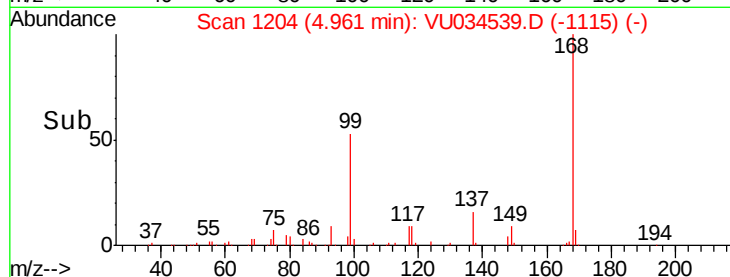
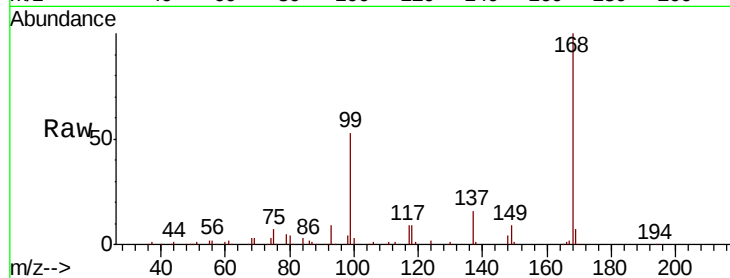
Tgt Ion: 56 Resp: 3623

Ion Ratio Lower Upper

56 100

69 191.6 26.7 40.1#

84 175.3 68.2 102.4#



#33

1,2-Dichloroethane-d4

Concen: 63.846 ug/l

RT: 5.29 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU034539.D

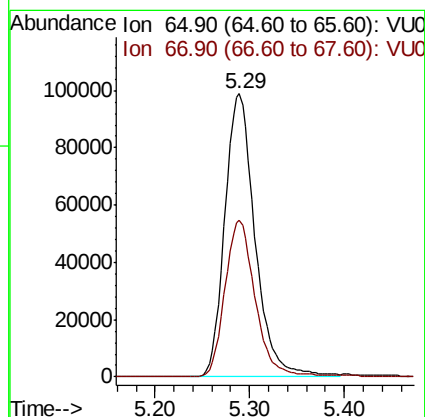
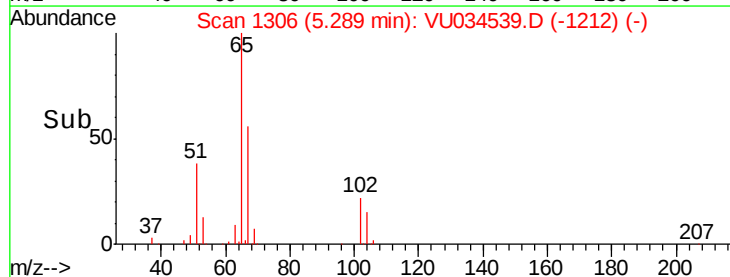
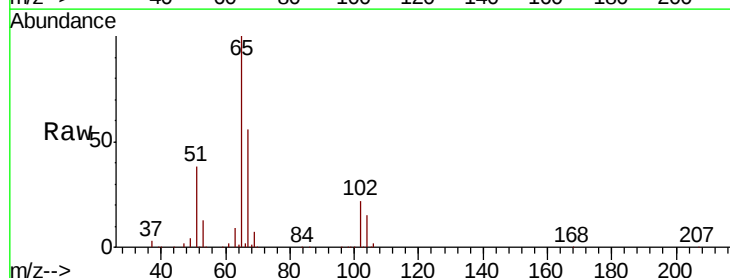
Acq: 12 Sep 2019 22:39

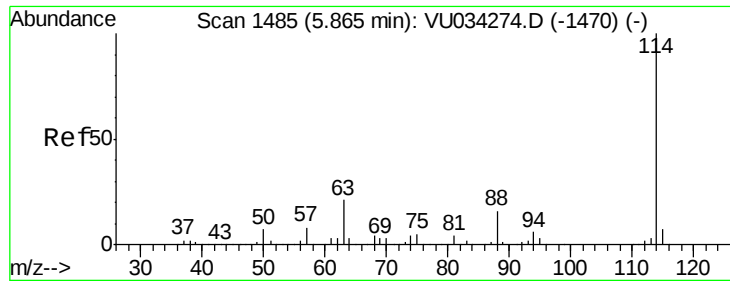
Tgt Ion: 65 Resp: 220143

Ion Ratio Lower Upper

65 100

67 55.0 0.0 112.4

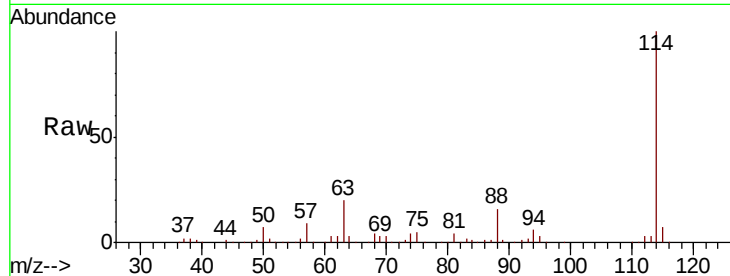




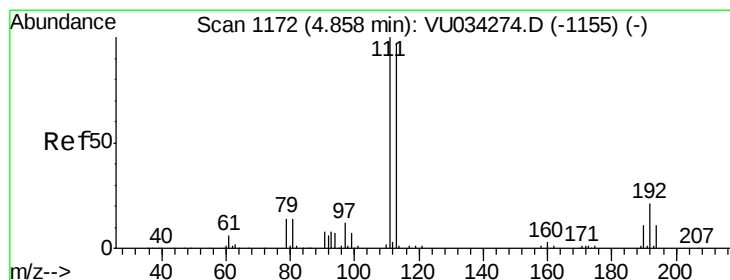
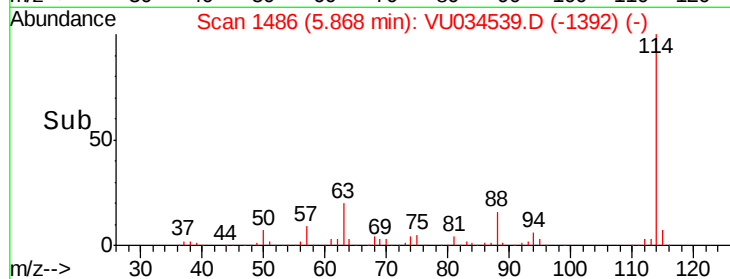
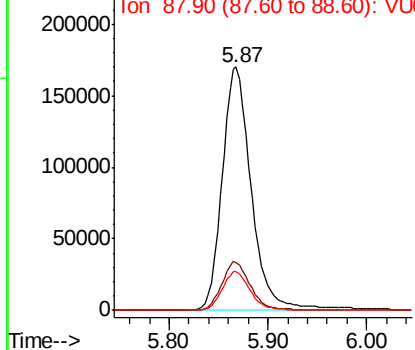
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034539.D
 Acq: 12 Sep 2019 22:39

Instrument :
 MSVOA_U
 ClientSampleId :
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Tgt Ion:114 Resp: 350403
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 42.4
 88 16.1 0.0 32.4

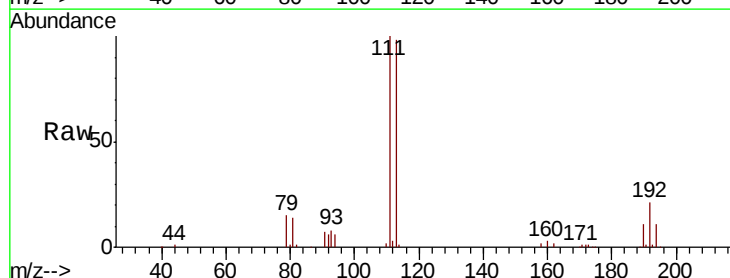


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

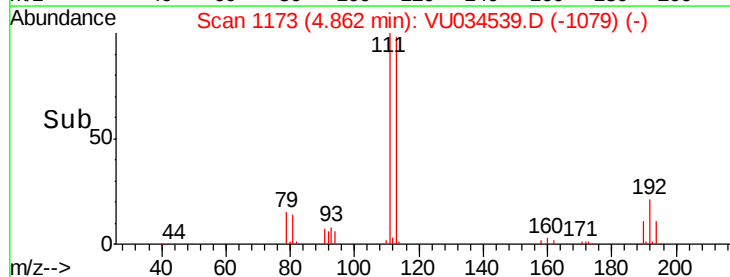
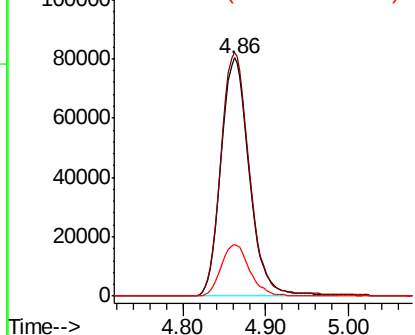


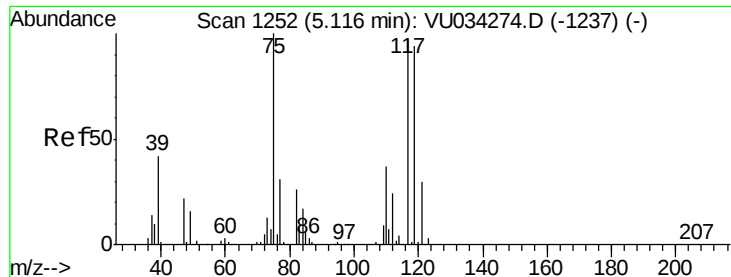
#35
 Dibromofluoromethane
 Concen: 58.609 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034539.D
 Acq: 12 Sep 2019 22:39

Tgt Ion:113 Resp: 191094
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.5 122.3
 192 21.8 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

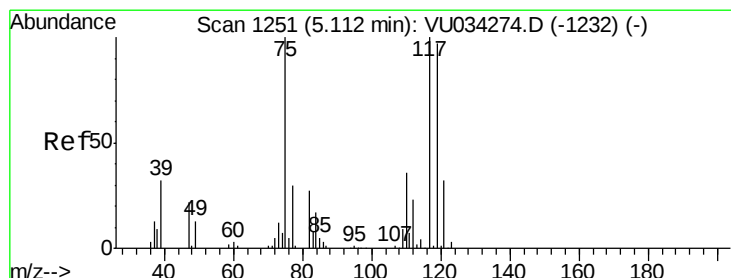
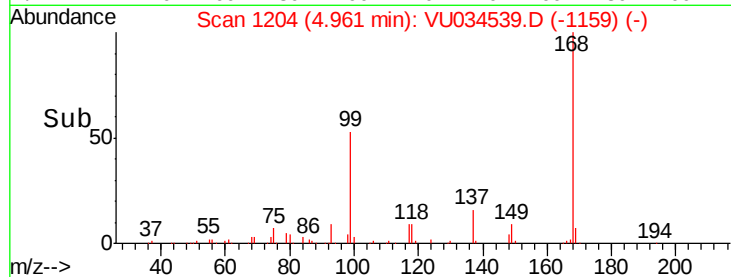
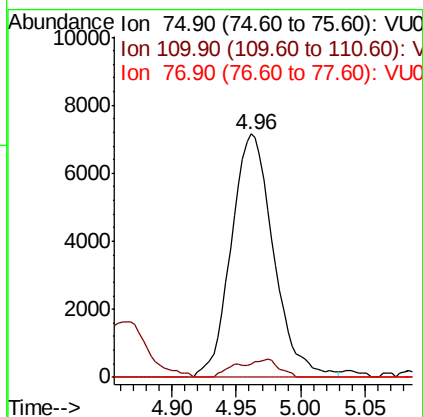
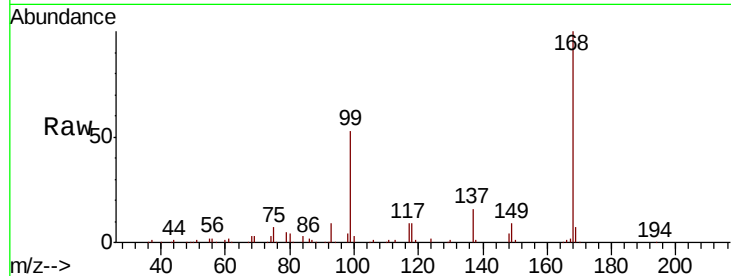




#36
 1,1-Dichloropropene
 Concen: 4.290 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034539.D
 Acq: 12 Sep 2019 22:39

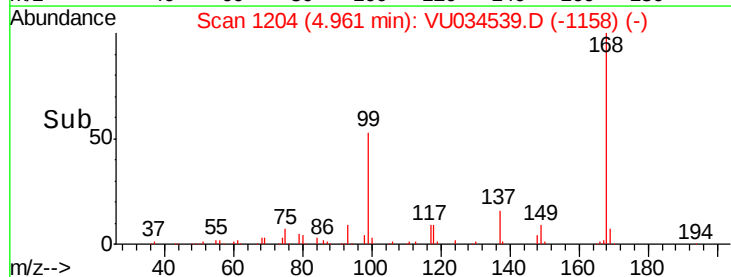
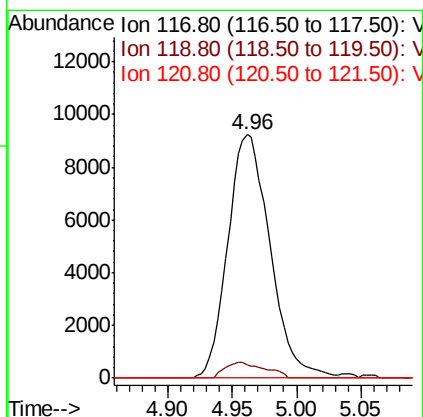
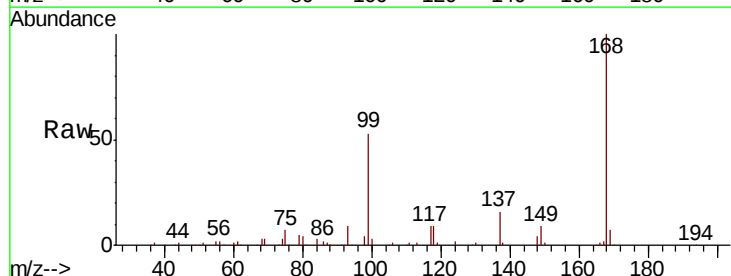
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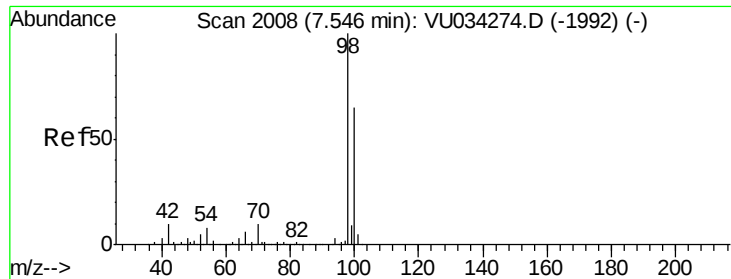
Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.4	18.3	54.9#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 5.194 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034539.D
 Acq: 12 Sep 2019 22:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	77.8	116.6#
121	0.0	25.2	37.8#

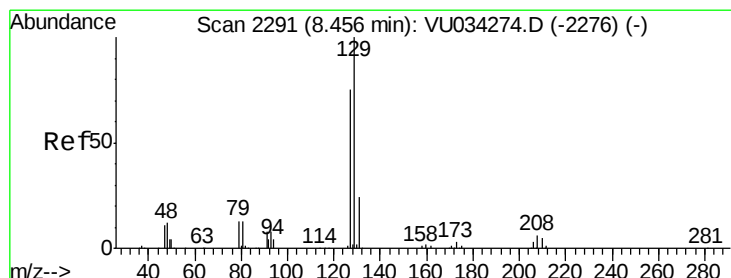
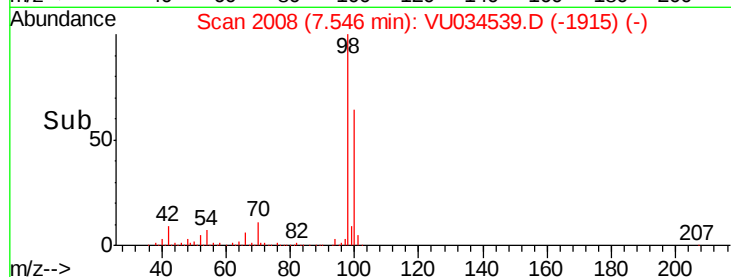
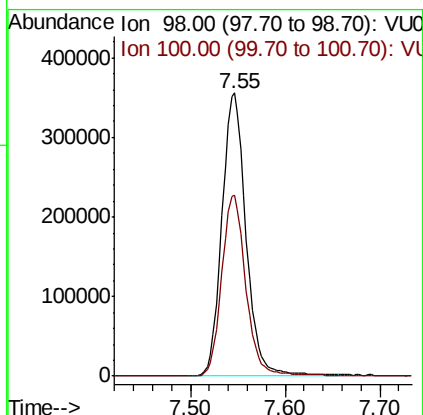
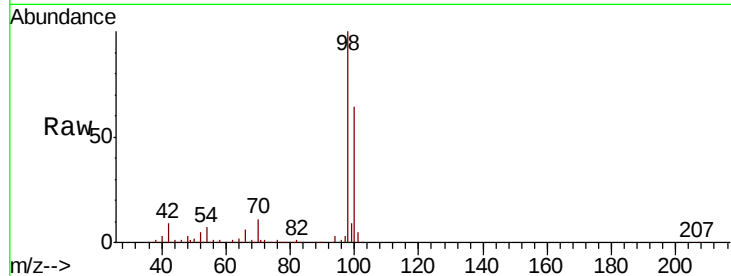




#50
Toluene-d8
Concen: 51.636 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034539.D
Acq: 12 Sep 2019 22:39

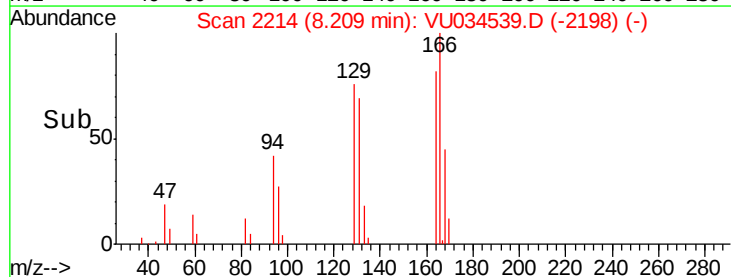
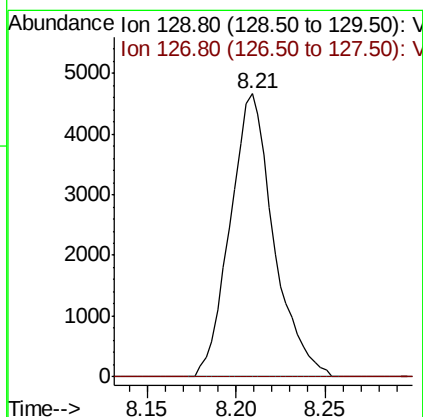
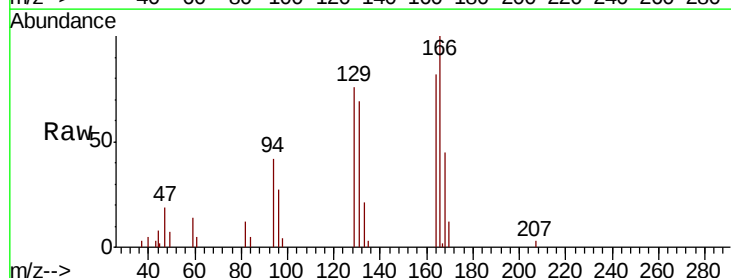
Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW02D-M27W1-090419RE

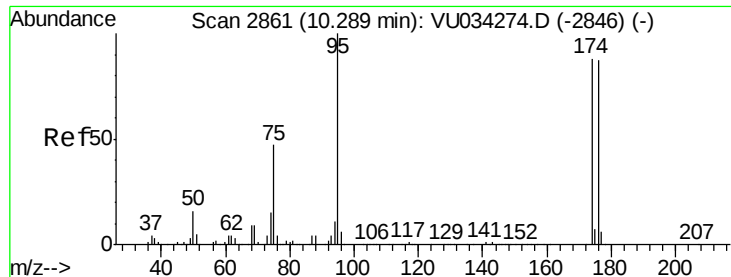
Tgt Ion: 98 Resp: 632533
Ion Ratio Lower Upper
98 100
100 64.0 51.7 77.5



#60
Dibromochloromethane
Concen: 2.113 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. -0.25 min
Lab File: VU034539.D
Acq: 12 Sep 2019 22:39

Tgt Ion: 129 Resp: 7916
Ion Ratio Lower Upper
129 100
127 0.0 37.9 113.7#





#62

4-Bromofluorobenzene

Concen: 44.699 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034539.D

Acq: 12 Sep 2019 22:39

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW02D-M27W1-090419RE

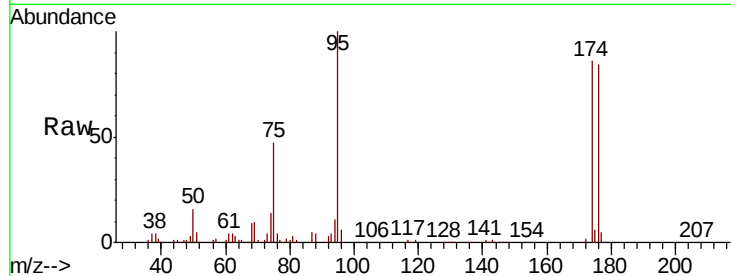
Tgt Ion: 95 Resp: 211409

Ion Ratio Lower Upper

95 100

174 89.6 0.0 175.2

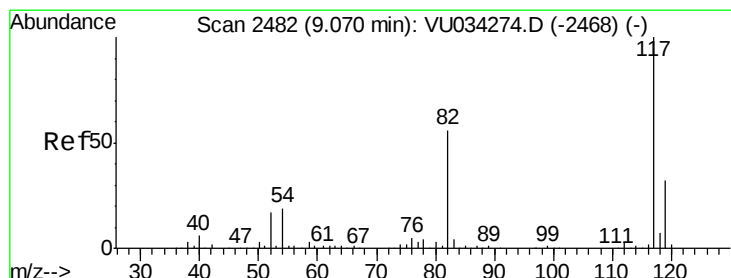
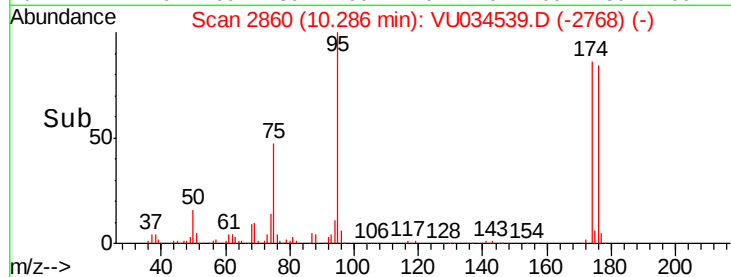
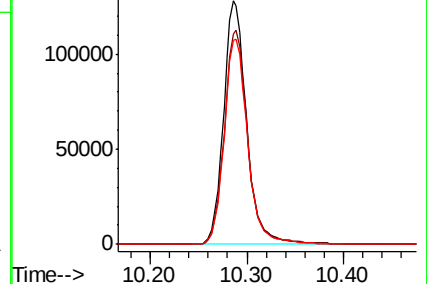
176 86.1 0.0 168.0



Abundance Ion 94.90 (94.60 to 95.60): VU034274.D (-2846) (-)

Ion 173.80 (173.50 to 174.50): VU034274.D (-2846) (-)

Ion 175.80 (175.50 to 176.50): VU034274.D (-2846) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.07 min Scan# 2482

Delta R.T. 0.00 min

Lab File: VU034539.D

Acq: 12 Sep 2019 22:39

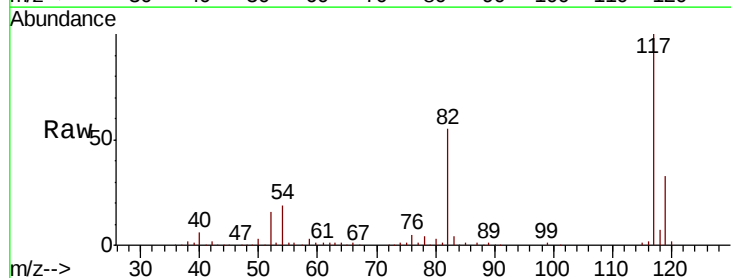
Tgt Ion: 117 Resp: 354486

Ion Ratio Lower Upper

117 100

82 55.3 44.6 67.0

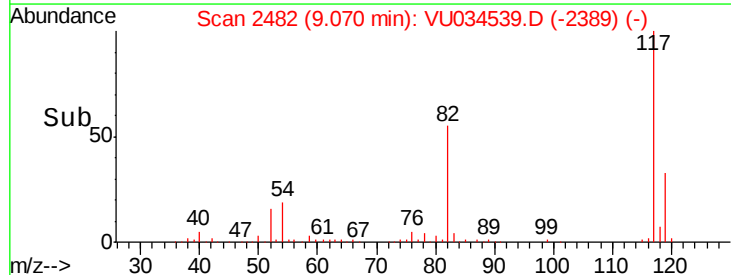
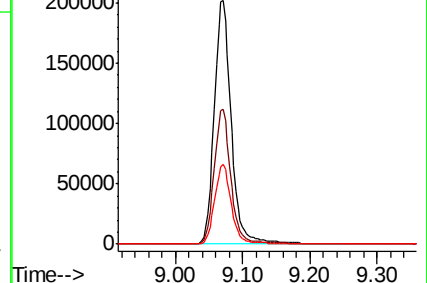
119 32.7 25.9 38.9

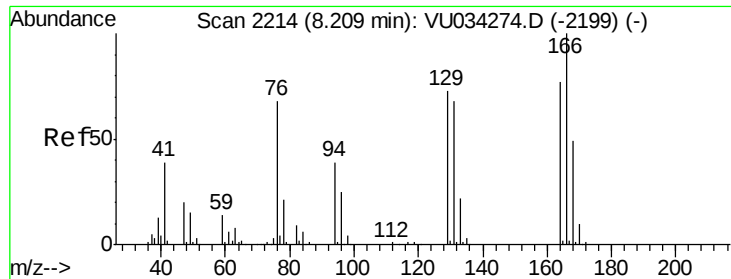


Abundance Ion 116.90 (116.60 to 117.60): VU034274.D (-2468) (-)

Ion 82.00 (81.70 to 82.70): VU034274.D (-2468) (-)

Ion 118.90 (118.60 to 119.60): VU034274.D (-2468) (-)





#64

Tetrachloroethene

Concen: 2.785 ug/l

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU034539.D

Acq: 12 Sep 2019 22:39

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW02D-M27W1-090419RE

Tgt Ion:164 Resp: 8566

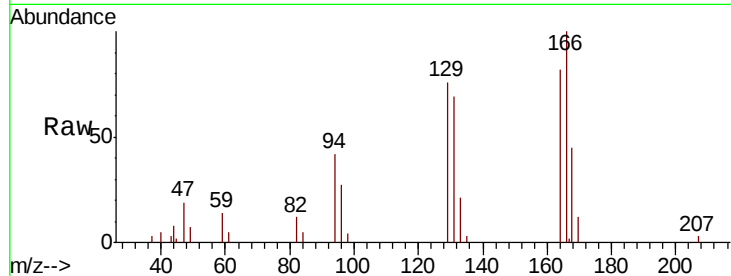
Ion Ratio Lower Upper

164 100

166 122.6 103.7 155.5

129 93.4 75.8 113.8

131 84.4 70.7 106.1

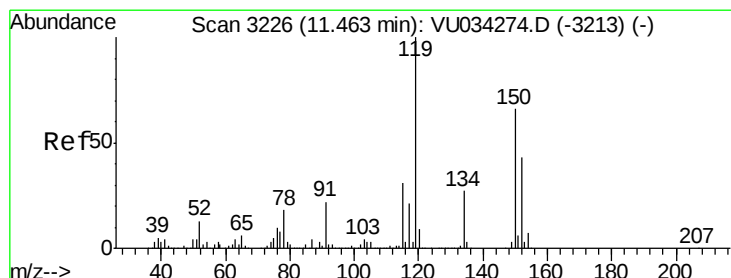
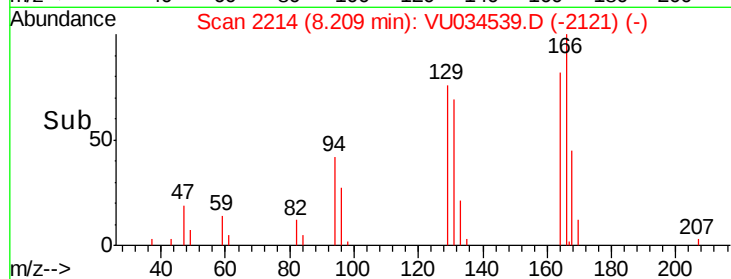
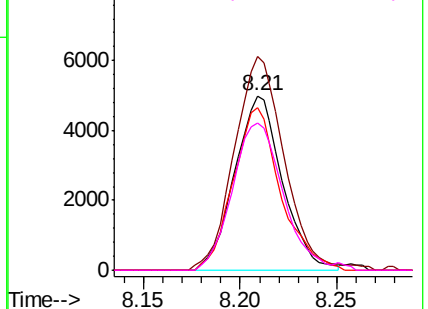


Abundance Ion 163.80 (163.50 to 164.50): V

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: VU034539.D

Acq: 12 Sep 2019 22:39

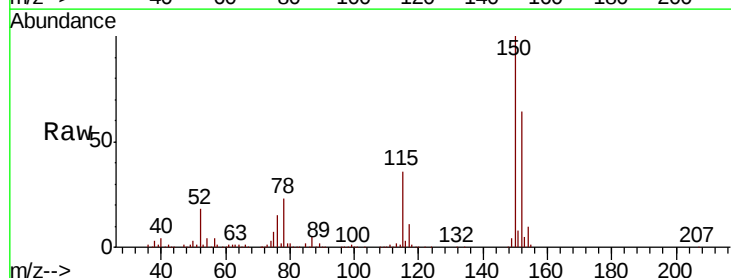
Tgt Ion:152 Resp: 197517

Ion Ratio Lower Upper

152 100

115 56.0 39.1 117.3

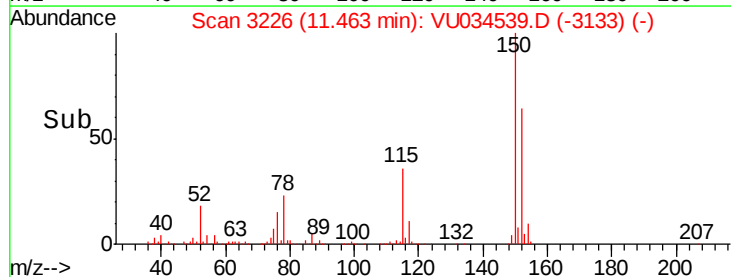
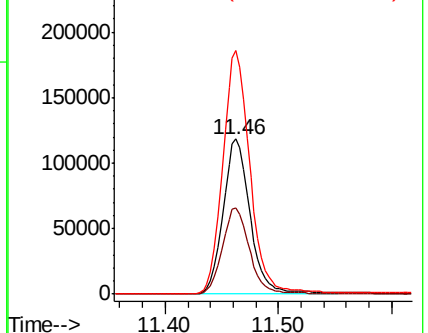
150 157.9 0.0 345.4

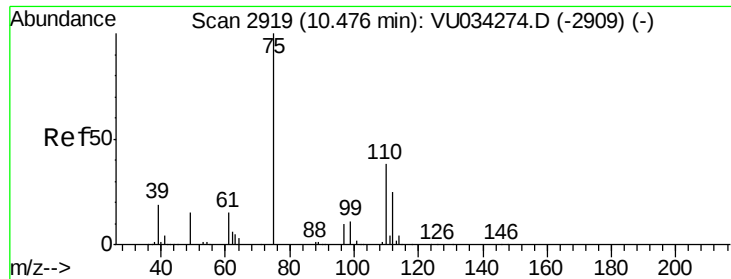


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.933 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.19 min

Lab File: VU034539.D

Acq: 12 Sep 2019 22:39

Instrument :

MSVOA_U

ClientSampleId :

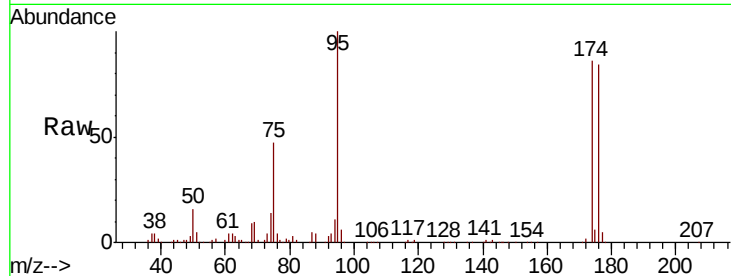
CPA-CPMW02D-M27W1-090419RE

Tgt Ion: 75 Resp: 98873

Ion Ratio Lower Upper

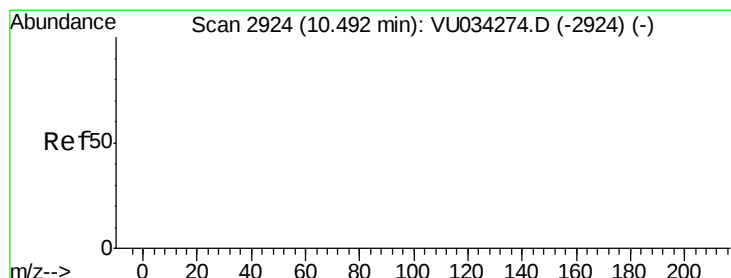
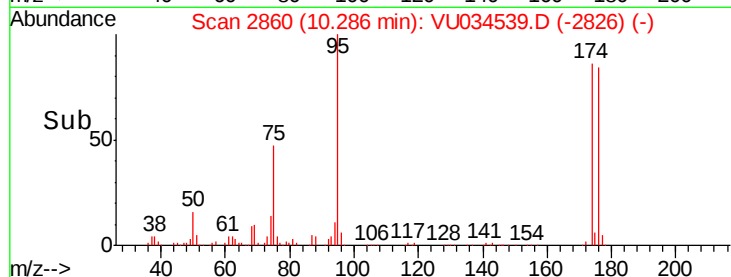
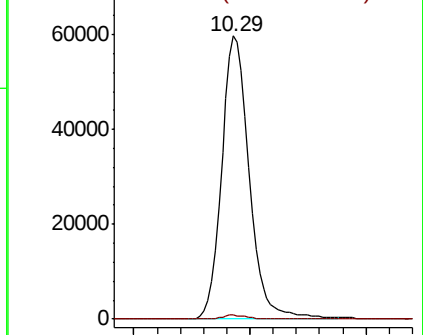
75 100

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: 77.121 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.21 min

Lab File: VU034539.D

Acq: 12 Sep 2019 22:39

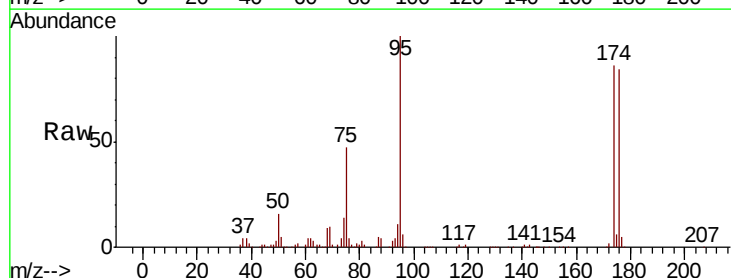
Tgt Ion: 75 Resp: 98873

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

