

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091219\
 Data File : VU034544.D
 Acq On : 13 Sep 2019 00:35
 Operator : JC/SP
 Sample : K4756-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW09D-M27W1-090319

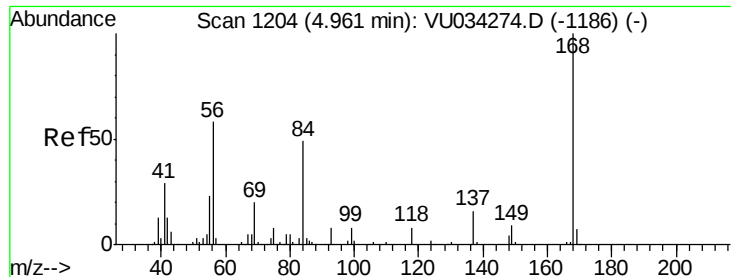
Quant Time: Sep 13 07:16:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 05:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	238630	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	356394	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	370811	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	215055	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	208234	57.67	ug/l	0.00
Spiked Amount			Recovery	=	115.34%	
35) Dibromofluoromethane	4.86	113	181015	54.58	ug/l	0.00
Spiked Amount			Recovery	=	109.16%	
50) Toluene-d8	7.55	98	648706	52.07	ug/l	0.00
Spiked Amount			Recovery	=	104.14%	
62) 4-Bromofluorobenzene	10.29	95	217503	45.21	ug/l	0.00
Spiked Amount			Recovery	=	90.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	585	Below Cal	#	67
6) Chloroethane	1.68	64	82	Below Cal	#	43
11) Tert butyl alcohol	2.83	59	1527	2.002	ug/l #	73
16) Acetone	2.31	43	4389	2.349	ug/l	100
18) Methyl Acetate	2.43	43	8246	1.814	ug/l #	52
20) Methylene Chloride	2.69	84	509	Below Cal	#	77
30) Chloroform	4.66	83	2765	0.471	ug/l #	83
31) Cyclohexane	4.96	56	4119	0.974	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	16251	4.205	ug/l #	48
38) Carbon Tetrachloride	4.96	117	21419	5.190	ug/l #	16
40) Benzene	5.37	78	2653	0.213	ug/l #	83
60) Dibromochloromethane	8.21	129	84654	22.216	ug/l #	12
64) Tetrachloroethene	8.21	164	93019	28.915	ug/l	98
76) 1,2,3-Trichloropropane	10.29	75	102094	21.749	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.29	75	102094	73.139	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: VU034544.D

Acq: 13 Sep 2019 00:35

Instrument :

MSVOA_U

ClientSampleId :

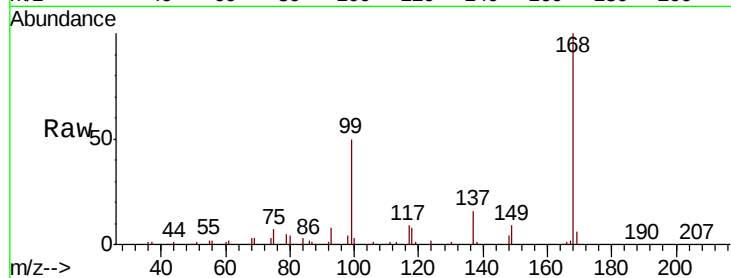
CPA-CPMW09D-M27W1-090319

Tgt Ion:168 Resp: 238630

Ion Ratio Lower Upper

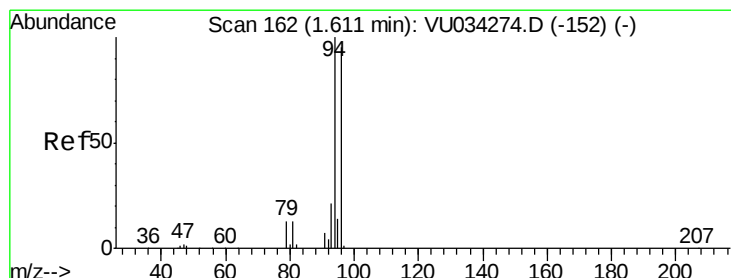
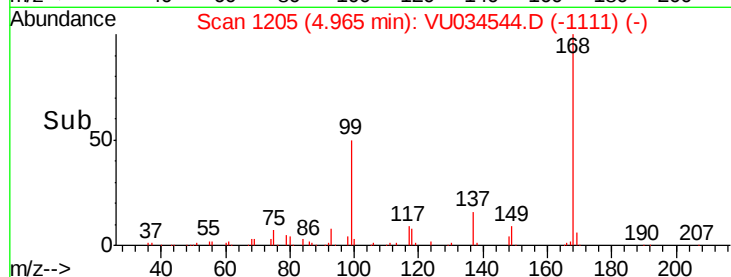
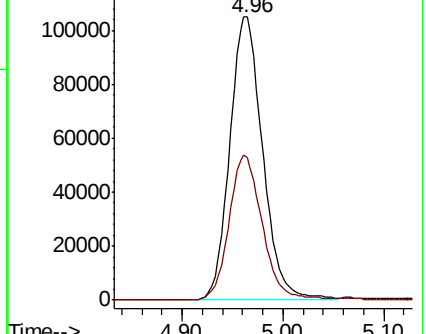
168 100

99 50.2 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# 169

Delta R.T. 0.02 min

Lab File: VU034544.D

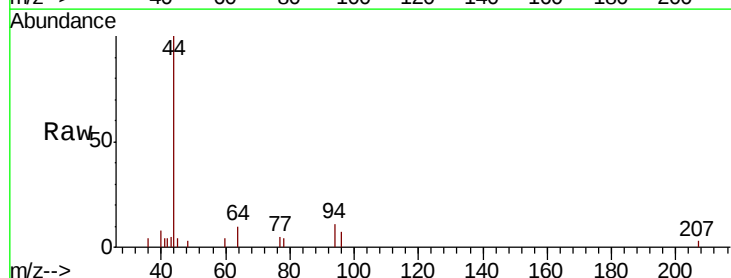
Acq: 13 Sep 2019 00:35

Tgt Ion: 94 Resp: 585

Ion Ratio Lower Upper

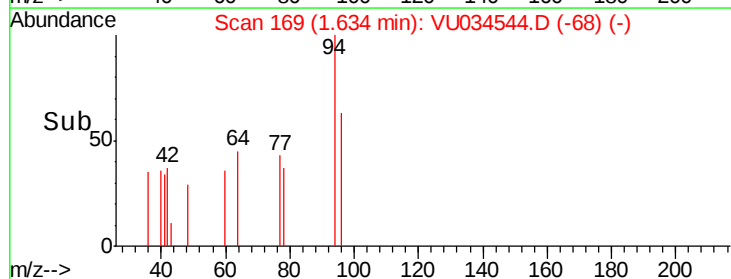
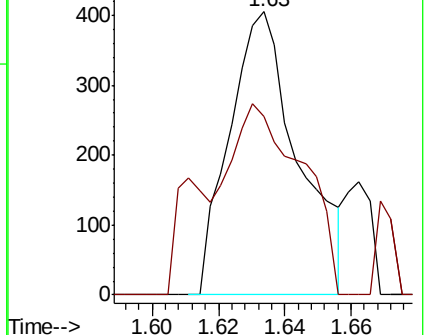
94 100

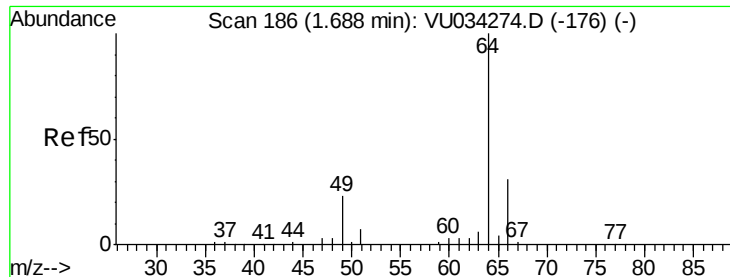
96 63.0 75.7 113.5#



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

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

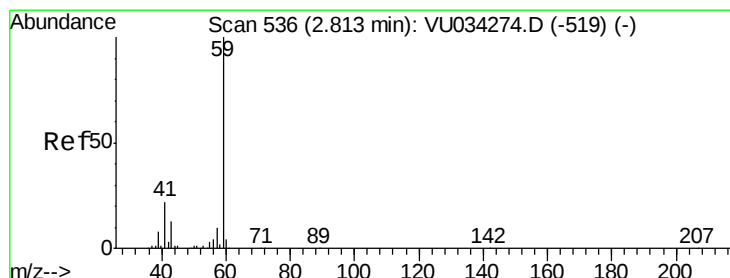
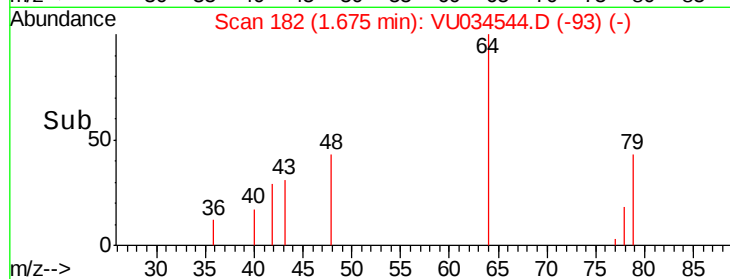
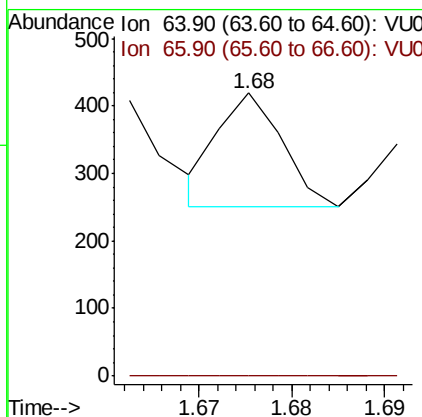
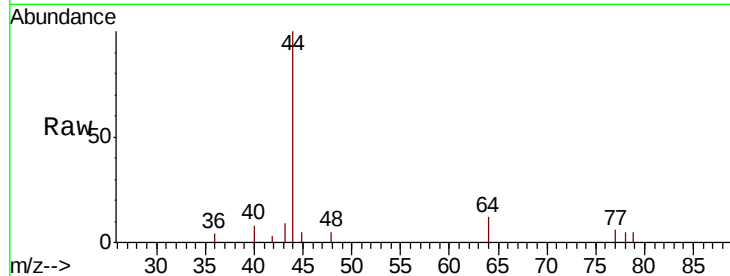




#6
 Chloroethane
 Concen: Below Cal
 RT: 1.68 min Scan# 182
 Delta R.T. -0.01 min
 Lab File: VU034544.D
 Acq: 13 Sep 2019 00:35

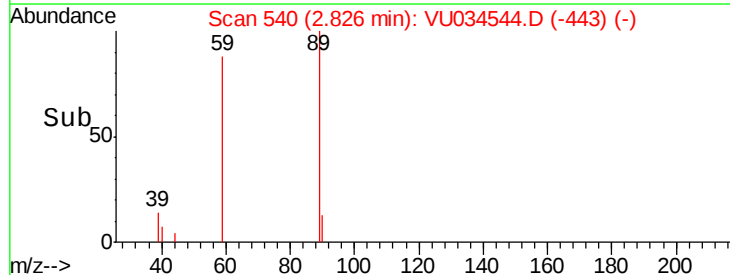
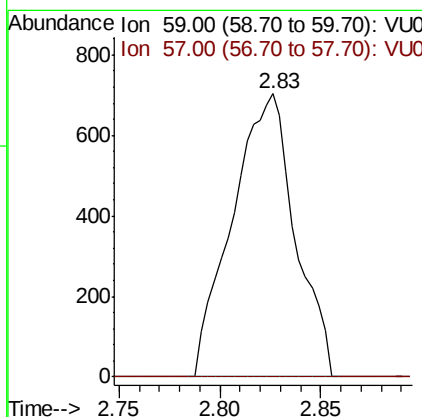
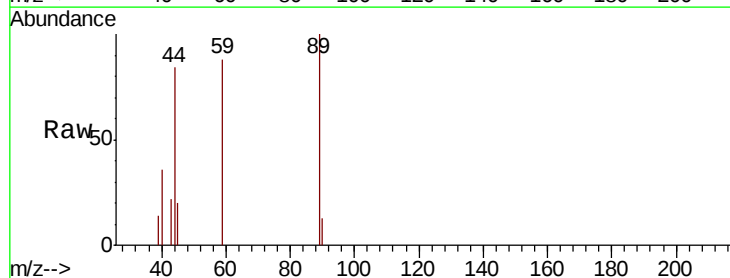
Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW09D-M27W1-090319

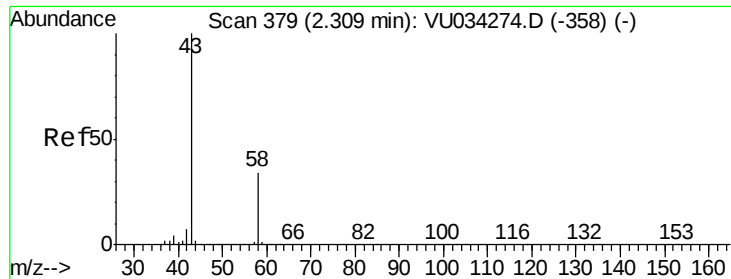
Tgt Ion: 64 Resp: 82
 Ion Ratio Lower Upper
 64 100
 66 0.0 25.0 37.6#



#11
 Tert butyl alcohol
 Concen: 2.002 ug/l
 RT: 2.83 min Scan# 540
 Delta R.T. 0.01 min
 Lab File: VU034544.D
 Acq: 13 Sep 2019 00:35

Tgt Ion: 59 Resp: 1527
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#





#16

Acetone

Concen: 2.349 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034544.D

Acq: 13 Sep 2019 00:35

Instrument :

MSVOA_U

ClientSampleId :

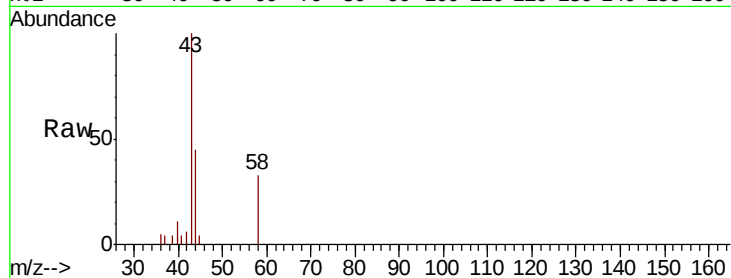
CPA-CPMW09D-M27W1-090319

Tgt Ion: 43 Resp: 4389

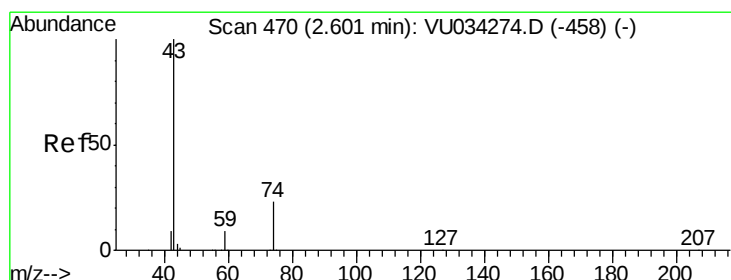
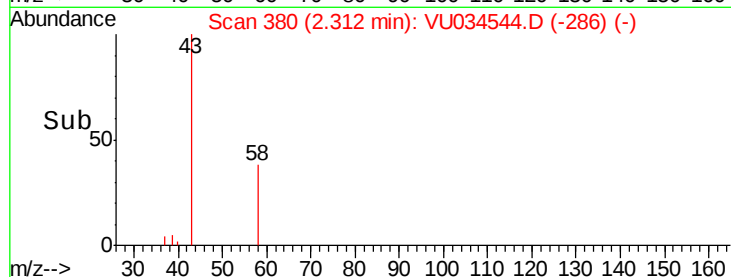
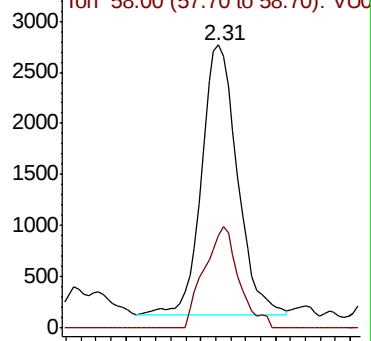
Ion Ratio Lower Upper

43 100

58 34.3 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-358) (-)



#18

Methyl Acetate

Concen: 1.814 ug/l

RT: 2.43 min Scan# 417

Delta R.T. -0.17 min

Lab File: VU034544.D

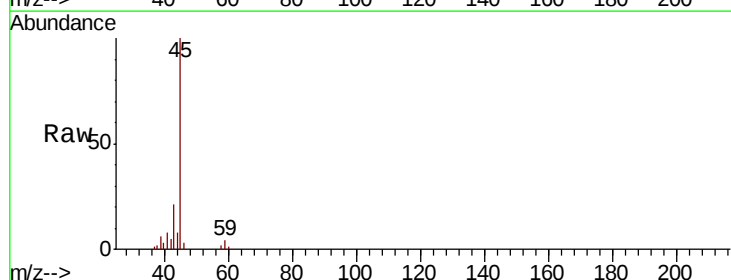
Acq: 13 Sep 2019 00:35

Tgt Ion: 43 Resp: 8246

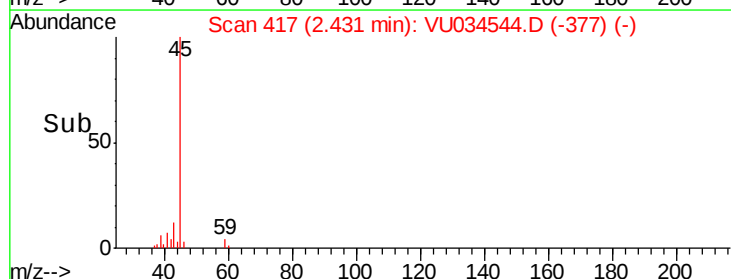
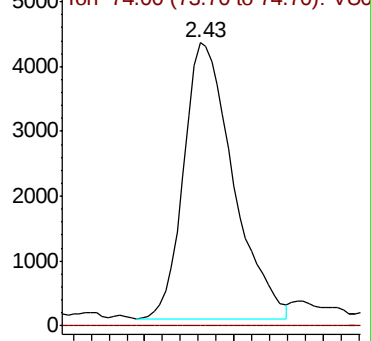
Ion Ratio Lower Upper

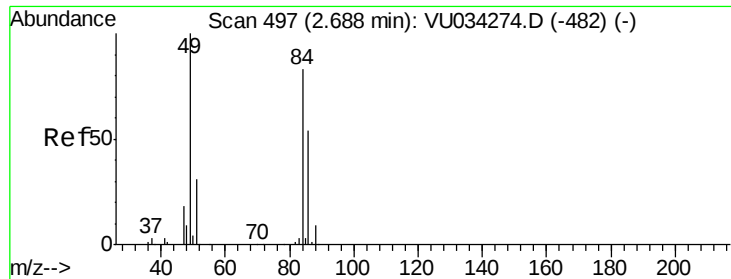
43 100

74 0.0 18.9 28.3#



Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-458) (-)

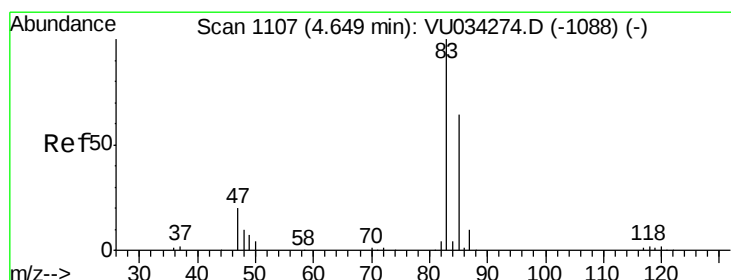
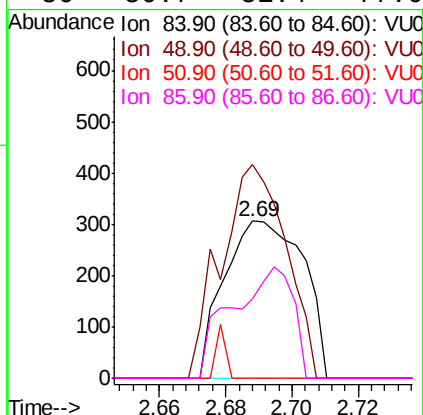
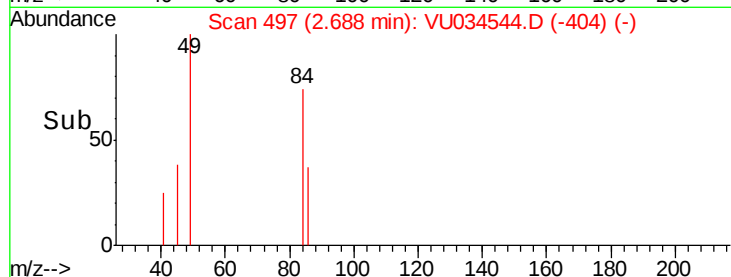
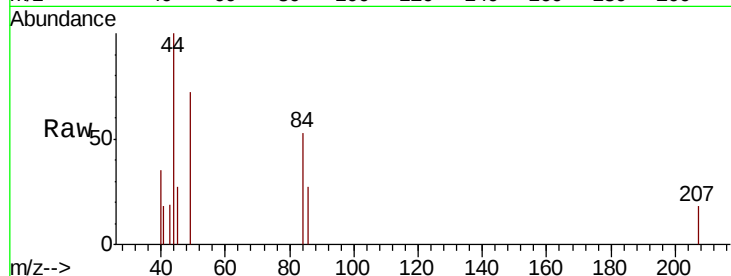




#20
Methylene Chloride
Concen: Below Cal
RT: 2.69 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU034544.D
Acq: 13 Sep 2019 00:35

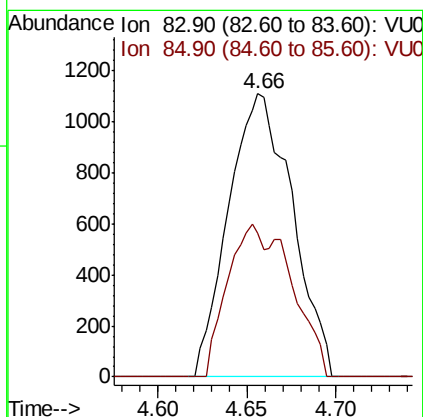
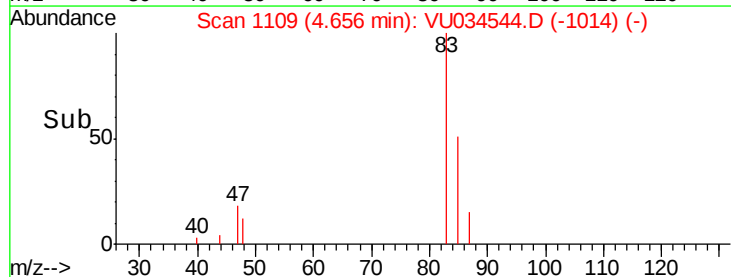
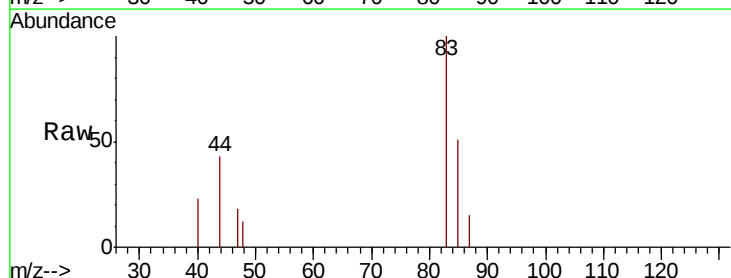
Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW09D-M27W1-090319

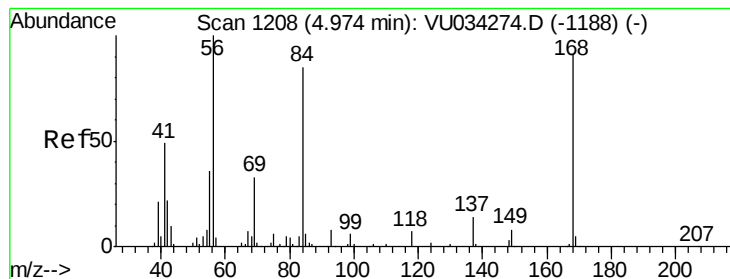
Tgt Ion: 84 Resp: 509
Ion Ratio Lower Upper
84 100
49 135.9 96.0 144.0
51 0.0 30.0 45.0#
86 50.7 51.4 77.0#



#30
Chloroform
Concen: 0.471 ug/l
RT: 4.66 min Scan# 1109
Delta R.T. 0.01 min
Lab File: VU034544.D
Acq: 13 Sep 2019 00:35

Tgt Ion: 83 Resp: 2765
Ion Ratio Lower Upper
83 100
85 50.9 51.5 77.3#





#31

Cyclohexane

Concen: 0.974 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VU034544.D

Acq: 13 Sep 2019 00:35

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M27W1-090319

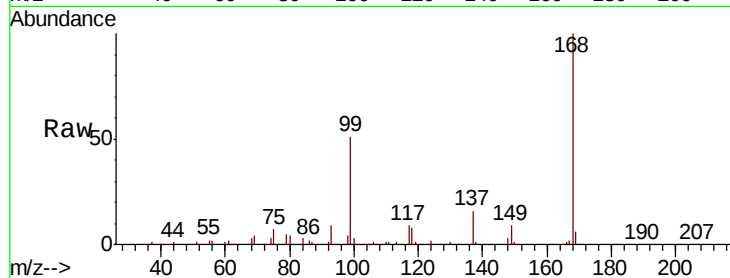
Tgt Ion: 56 Resp: 4119

Ion Ratio Lower Upper

56 100

69 198.8 26.7 40.1#

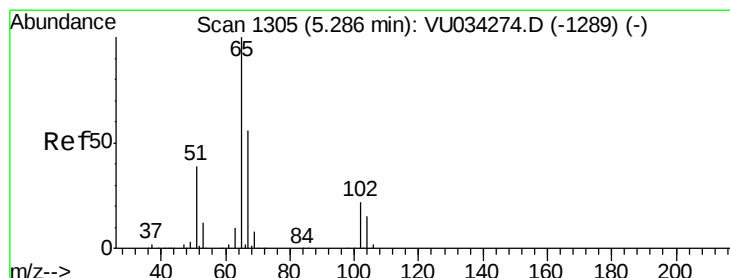
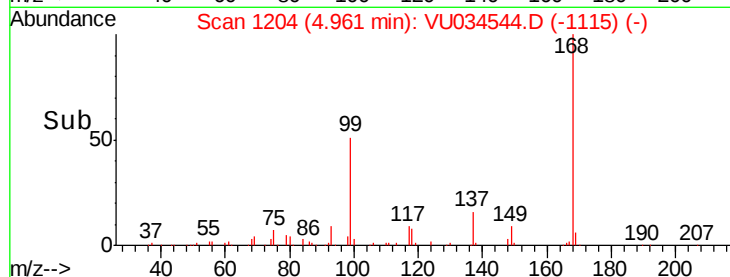
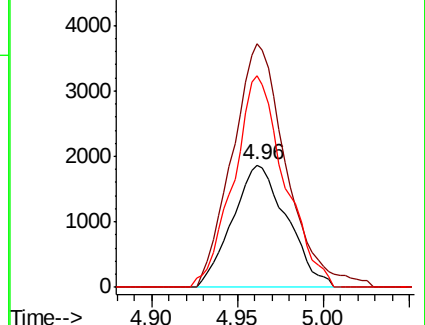
84 172.9 68.2 102.4#



Abundance Ion 56.00 (55.70 to 56.70): VU034544.D (-1188) (-)

Ion 69.00 (68.70 to 69.70): VU034544.D (-1188) (-)

Ion 84.00 (83.70 to 84.70): VU034544.D (-1188) (-)



#33

1,2-Dichloroethane-d4

Concen: 57.674 ug/l

RT: 5.29 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU034544.D

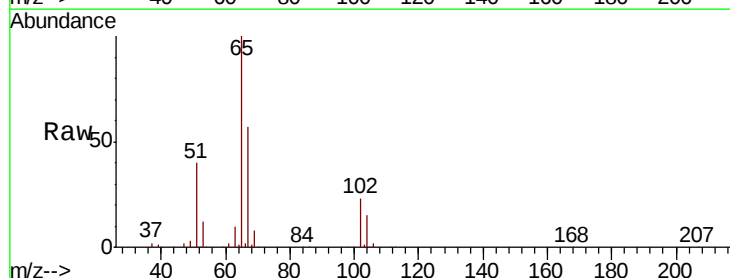
Acq: 13 Sep 2019 00:35

Tgt Ion: 65 Resp: 208234

Ion Ratio Lower Upper

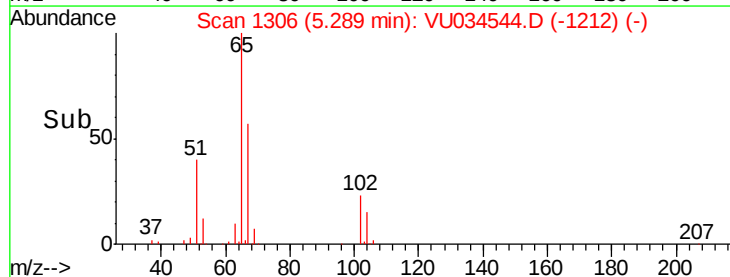
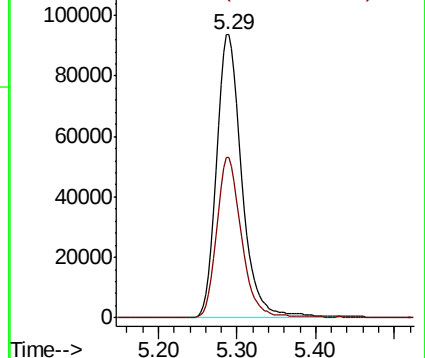
65 100

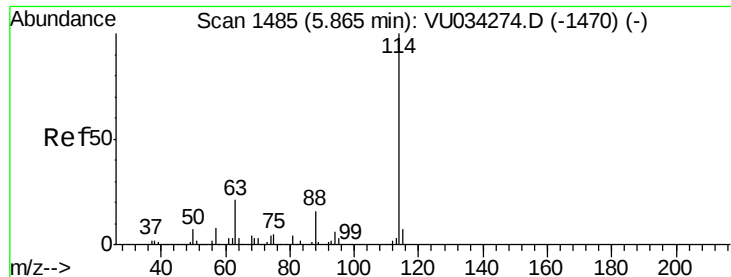
67 54.7 0.0 112.4



Abundance Ion 64.90 (64.60 to 65.60): VU034544.D (-1212) (-)

Ion 66.90 (66.60 to 67.60): VU034544.D (-1212) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VU034544.D

Acq: 13 Sep 2019 00:35

Instrument :

MSVOA_U

ClientSampleId :

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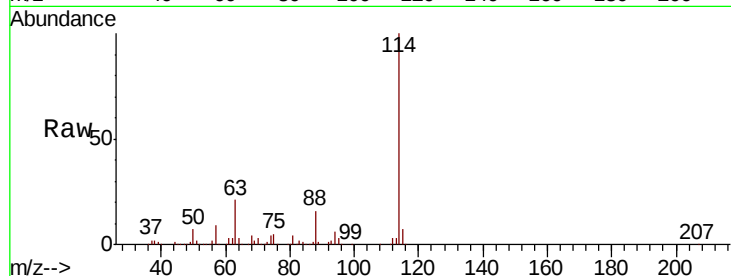
Tgt Ion:114 Resp: 356394

Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.4

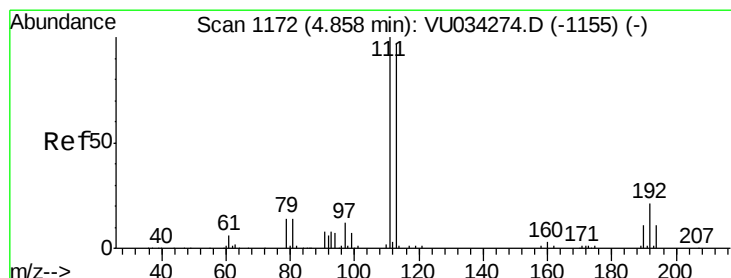
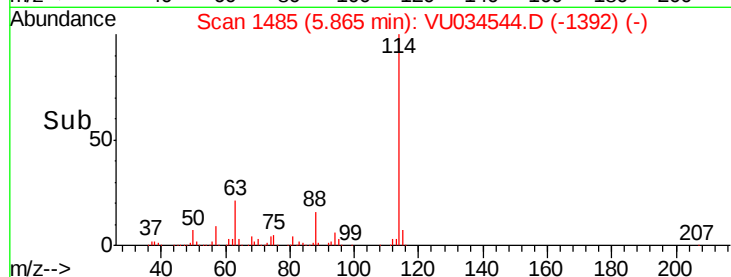
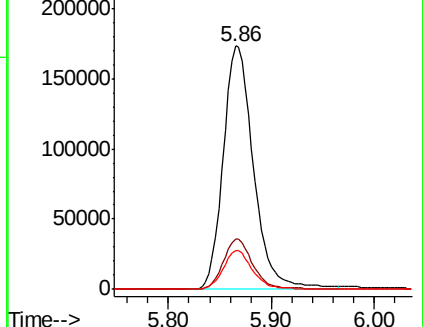
88 16.0 0.0 32.4



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: 54.584 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034544.D

Acq: 13 Sep 2019 00:35

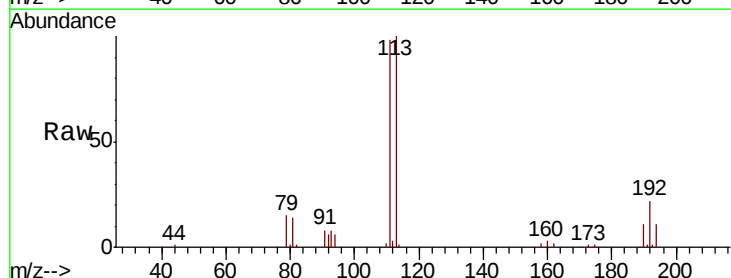
Tgt Ion:113 Resp: 181015

Ion Ratio Lower Upper

113 100

111 101.3 81.5 122.3

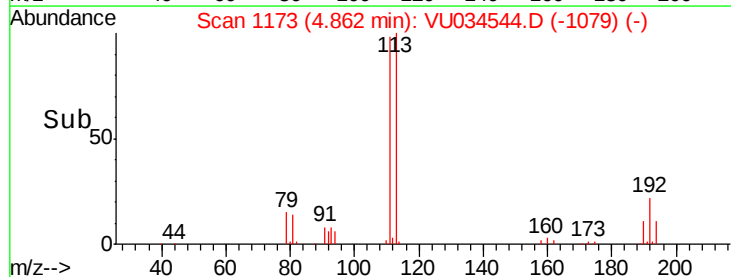
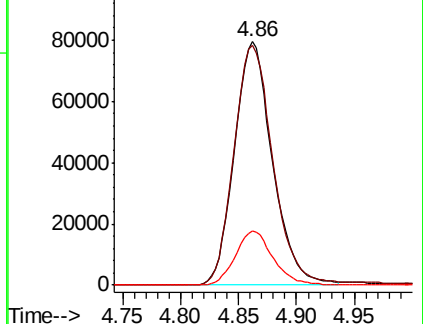
192 21.9 17.8 26.8

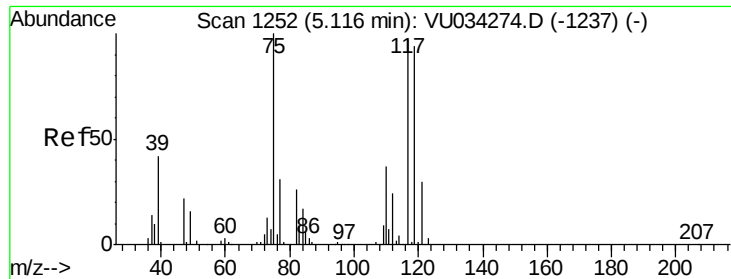


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.205 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.15 min

Lab File: VU034544.D

Acq: 13 Sep 2019 00:35

Instrument :

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ClientSampleId :

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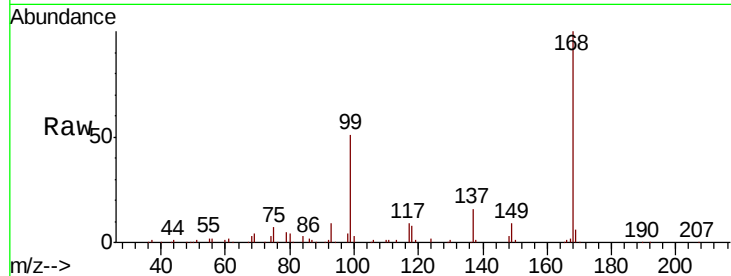
Tgt Ion: 75 Resp: 16251

Ion Ratio Lower Upper

75 100

110 8.3 18.3 54.9#

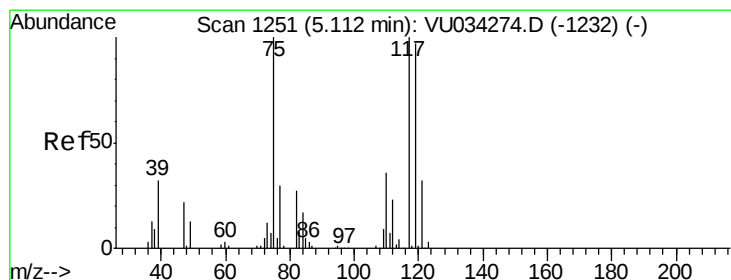
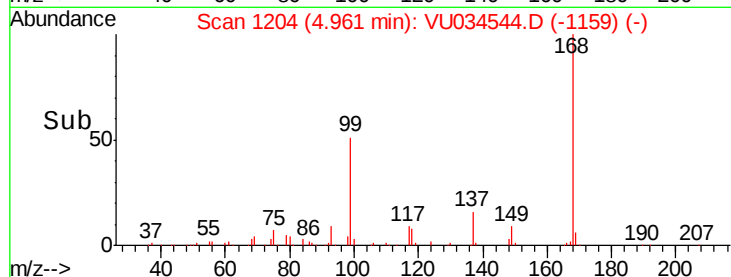
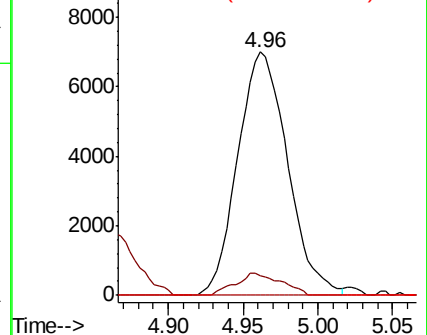
77 0.0 24.9 37.3#



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: 5.190 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. -0.15 min

Lab File: VU034544.D

Acq: 13 Sep 2019 00:35

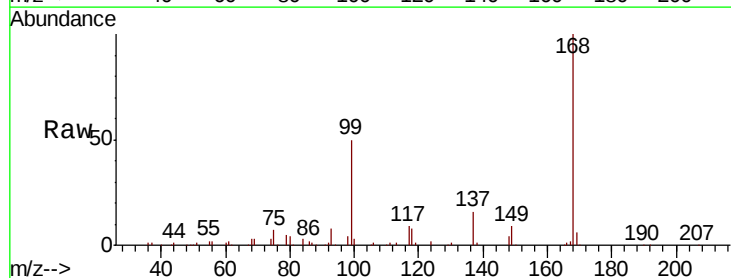
Tgt Ion: 117 Resp: 21419

Ion Ratio Lower Upper

117 100

119 6.1 77.8 116.6#

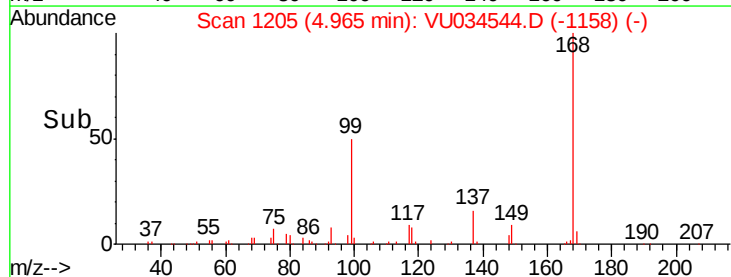
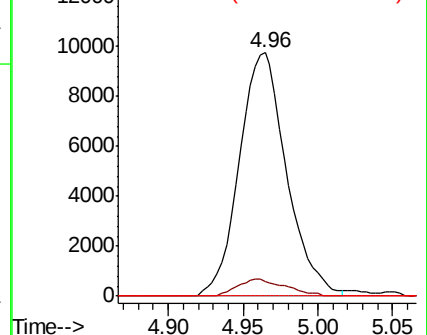
121 0.0 25.2 37.8#

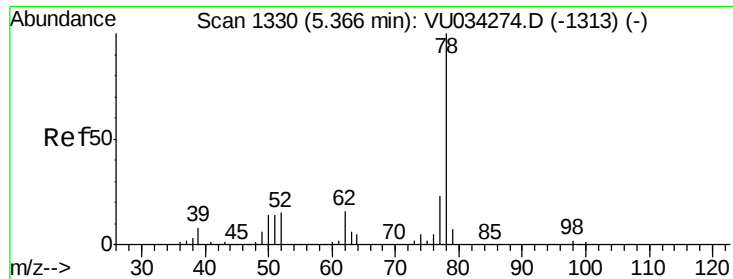


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#40

Benzene

Concen: 0.213 ug/l

RT: 5.37 min Scan# 1332

Delta R.T. 0.01 min

Lab File: VU034544.D

Acq: 13 Sep 2019 00:35

Instrument :

MSVOA_U

ClientSampleId :

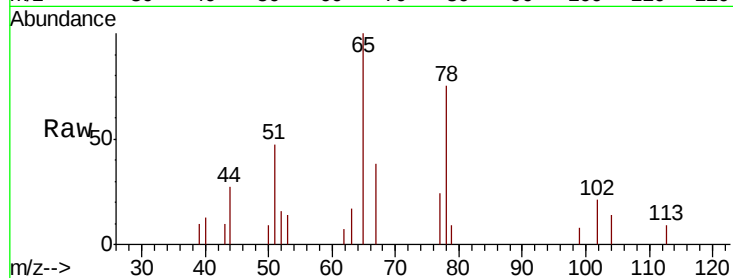
CPA-CPMW09D-M27W1-090319

Tgt Ion: 78 Resp: 2653

Ion Ratio Lower Upper

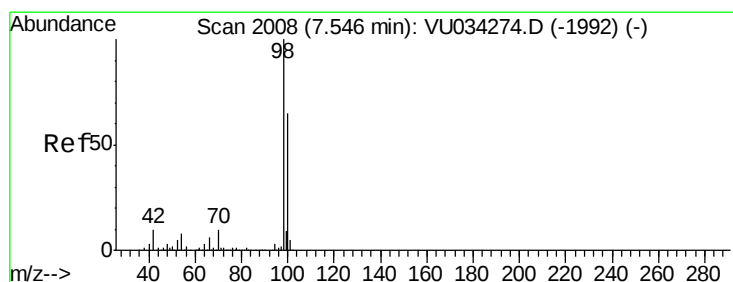
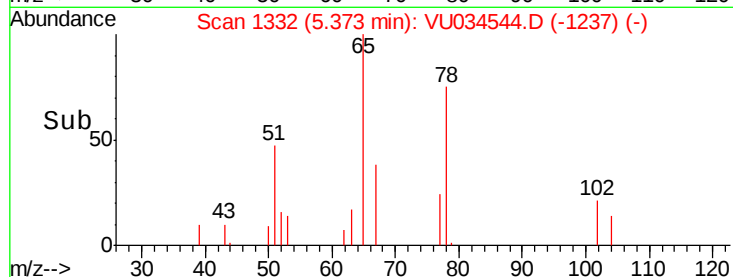
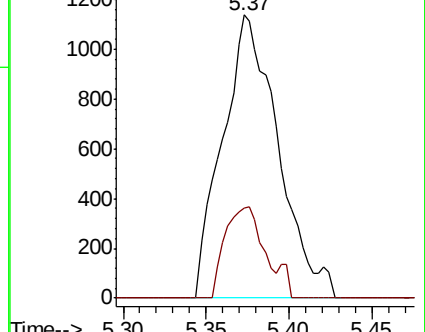
78 100

77 31.8 18.7 28.1#



Abundance Ion 78.00 (77.70 to 78.70): VU034274.D (-1313) (-)

Ion 77.00 (76.70 to 77.70): VU034274.D (-1313) (-)



#50

Toluene-d8

Concen: 52.066 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VU034544.D

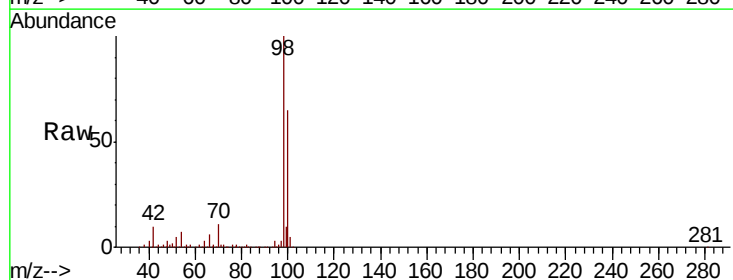
Acq: 13 Sep 2019 00:35

Tgt Ion: 98 Resp: 648706

Ion Ratio Lower Upper

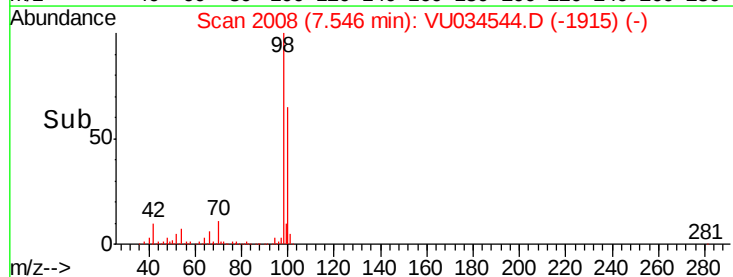
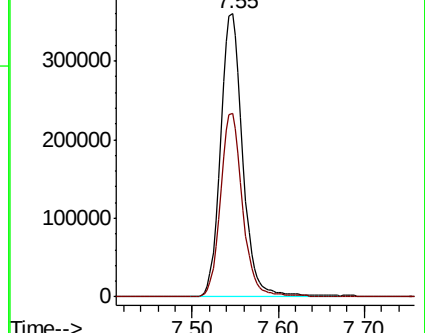
98 100

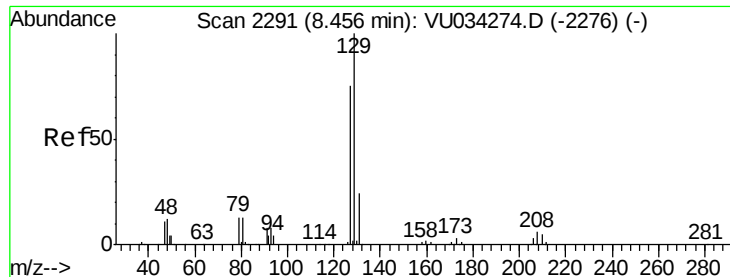
100 64.5 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VU034274.D (-1992) (-)

Ion 100.00 (99.70 to 100.70): VU034274.D (-1992) (-)





#60

Dibromochloromethane

Concen: 22.216 ug/l

RT: 8.21 min Scan# 2213

Delta R.T. -0.25 min

Lab File: VU034544.D

Acq: 13 Sep 2019 00:35

Instrument :

MSVOA_U

ClientSampleId :

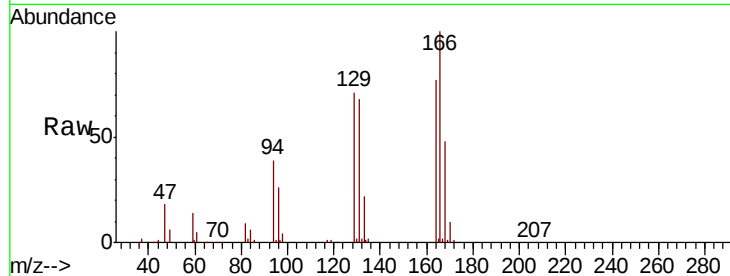
CPA-CPMW09D-M27W1-090319

Tgt Ion:129 Resp: 84654

Ion Ratio Lower Upper

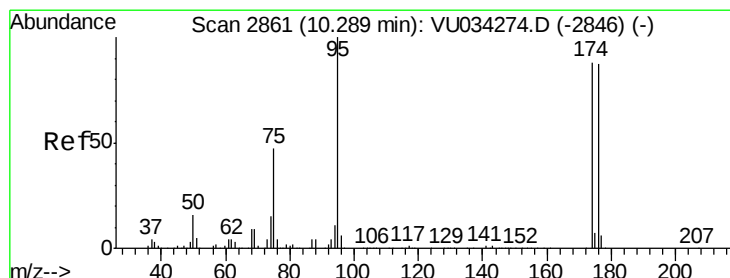
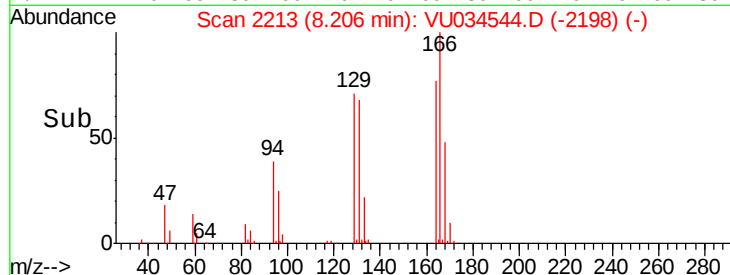
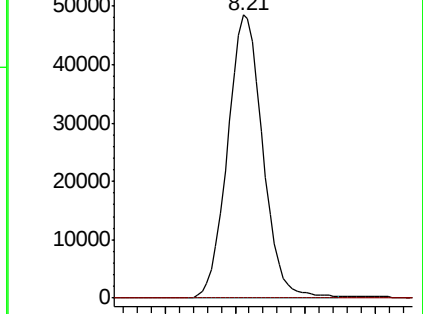
129 100

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: 45.215 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034544.D

Acq: 13 Sep 2019 00:35

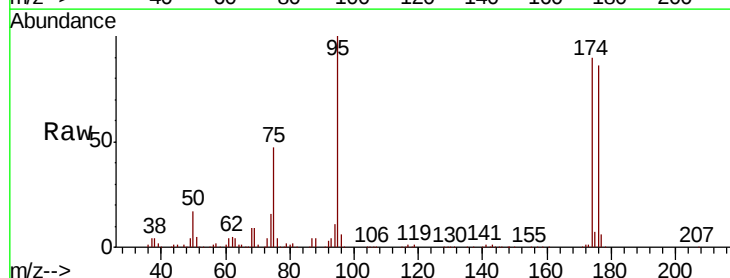
Tgt Ion: 95 Resp: 217503

Ion Ratio Lower Upper

95 100

174 91.1 0.0 175.2

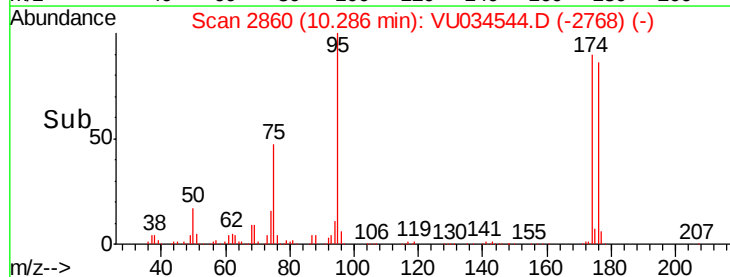
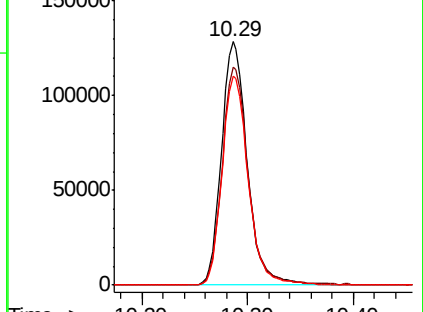
176 86.8 0.0 168.0

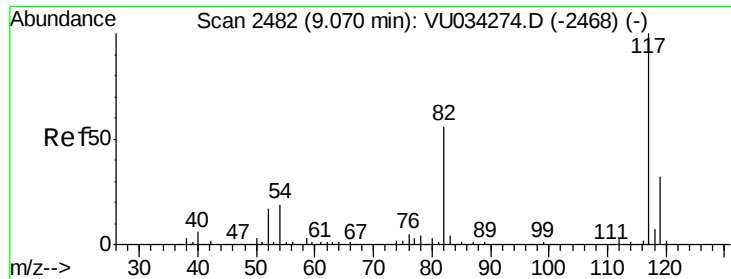


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

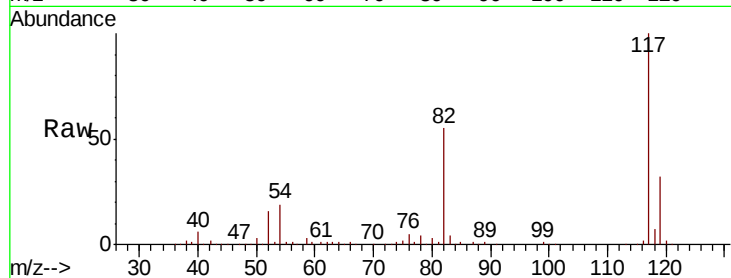




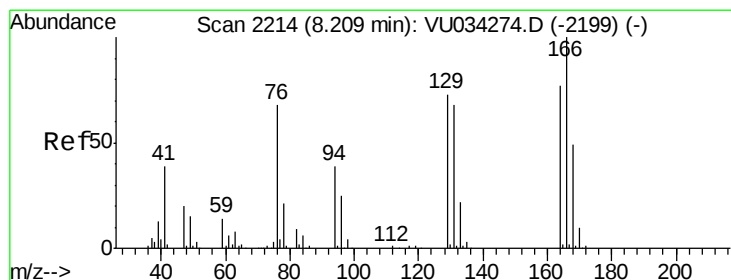
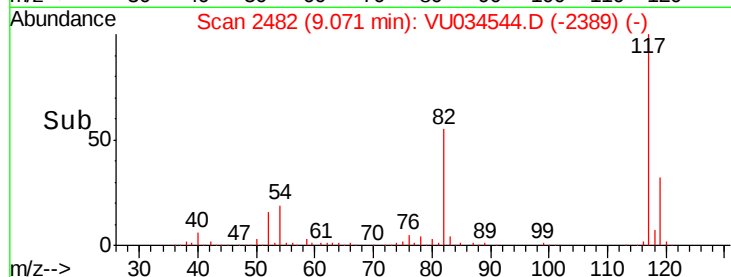
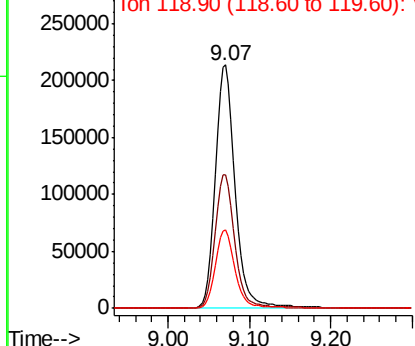
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034544.D
Acq: 13 Sep 2019 00:35

Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW09D-M27W1-090319

Tgt Ion:117 Resp: 370811
Ion Ratio Lower Upper
117 100
82 54.9 44.6 67.0
119 32.2 25.9 38.9

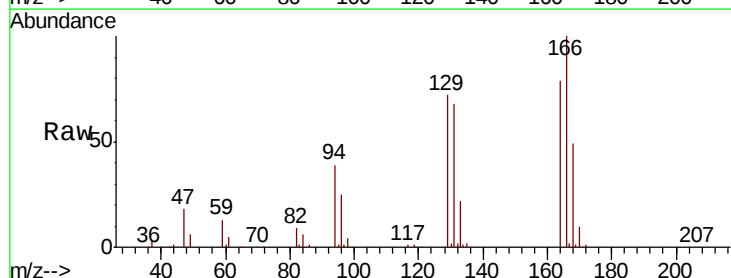


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU034544.D (-2389) (-)
Ion 118.90 (118.60 to 119.60): V

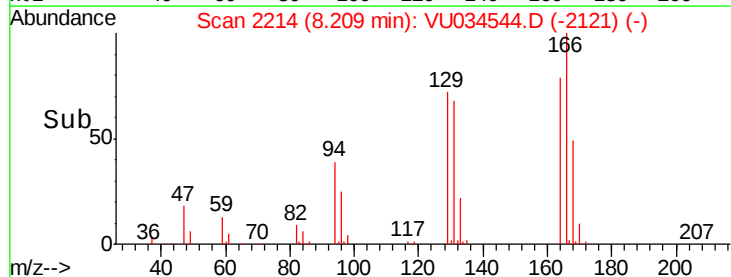
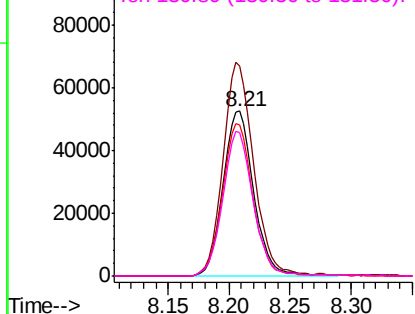


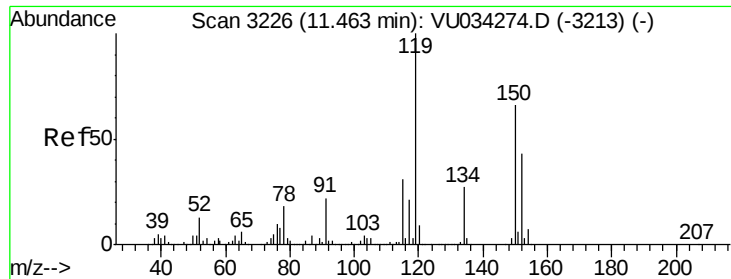
#64
Tetrachloroethene
Concen: 28.915 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034544.D
Acq: 13 Sep 2019 00:35

Tgt Ion:164 Resp: 93019
Ion Ratio Lower Upper
164 100
166 127.2 103.7 155.5
129 91.3 75.8 113.8
131 86.9 70.7 106.1



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): VU034544.D (-2121) (-)
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: VU034544.D

Acq: 13 Sep 2019 00:35

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M27W1-090319

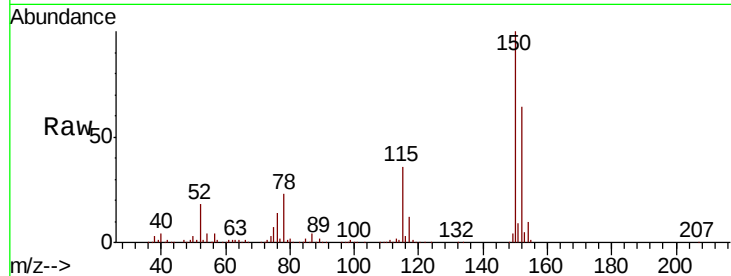
Tgt Ion:152 Resp: 215055

Ion Ratio Lower Upper

152 100

115 55.8 39.1 117.3

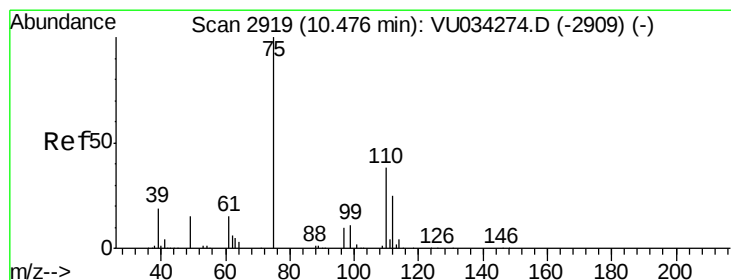
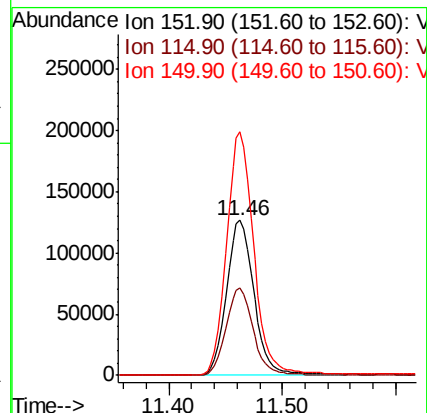
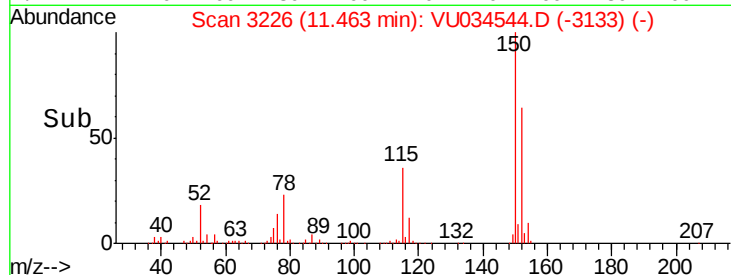
150 155.5 0.0 345.4



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: 21.749 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.19 min

Lab File: VU034544.D

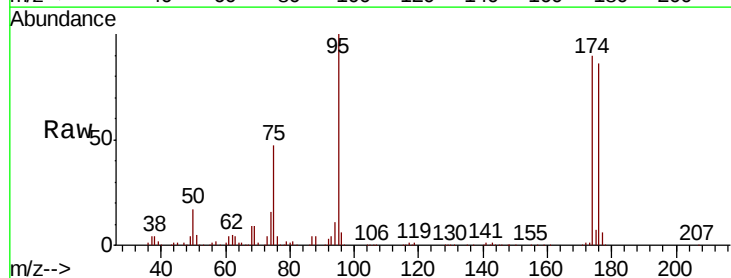
Acq: 13 Sep 2019 00:35

Tgt Ion: 75 Resp: 102094

Ion Ratio Lower Upper

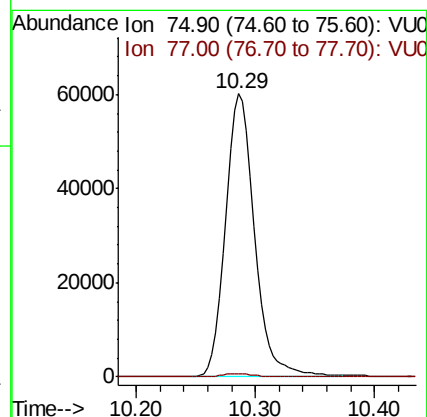
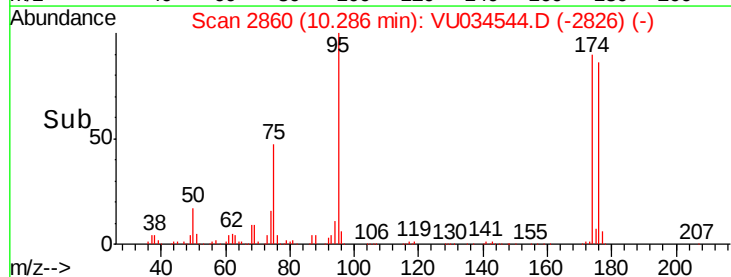
75 100

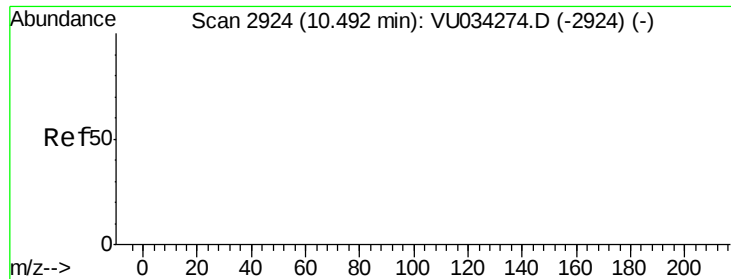
77 1.2 20.8 62.2#



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: 73.139 ug/l
 RT: 10.29 min Scan# 2860
 Delta R.T. -0.21 min
 Lab File: VU034544.D
 Acq: 13 Sep 2019 00:35

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW09D-M27W1-090319

Tgt Ion: 75 Resp: 102094
 Ion Ratio Lower Upper
 75 100
 53 0.1 0.0 0.0#
 89 0.0 0.0 0.0

