

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091219\
 Data File : VU034540.D
 Acq On : 12 Sep 2019 23:02
 Operator : JC/SP
 Sample : K4756-21
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-GMW-5D-R-M27W1-090519

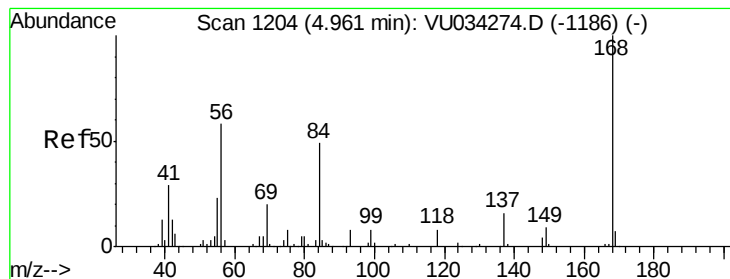
Quant Time: Sep 13 07:15:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 05:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	251746	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	377909	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	383516	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	220882	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	225353	59.16	ug/l	0.00
Spiked Amount			Recovery	=	118.32%	
35) Dibromofluoromethane	4.86	113	191787	54.54	ug/l	0.00
Spiked Amount			Recovery	=	109.08%	
50) Toluene-d8	7.54	98	693838	52.52	ug/l	0.00
Spiked Amount			Recovery	=	105.04%	
62) 4-Bromofluorobenzene	10.29	95	232623	45.60	ug/l	0.00
Spiked Amount			Recovery	=	91.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	464	Below Cal		90
6) Chloroethane	1.69	64	170	Below Cal	#	43
10) Methyl Iodide	2.41	142	20	3.853	ug/l #	43
11) Tert butyl alcohol	2.83	59	1619	2.012	ug/l #	73
16) Acetone	2.31	43	3019	1.532	ug/l	100
20) Methylene Chloride	2.69	84	406	Below Cal	#	81
31) Cyclohexane	4.96	56	3943	0.884	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	16319	3.982	ug/l #	48
38) Carbon Tetrachloride	4.96	117	22359	5.109	ug/l #	15
60) Dibromochloromethane	8.21	129	5430	1.344	ug/l #	12
64) Tetrachloroethene	8.21	164	6652	1.999	ug/l	97
76) 1,2,3-Trichloropropane	10.29	75	106966	22.185	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.29	75	106966	74.608	ug/l #	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034540.D

Acq: 12 Sep 2019 23:02

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MSVOA_U

ClientSampleId :

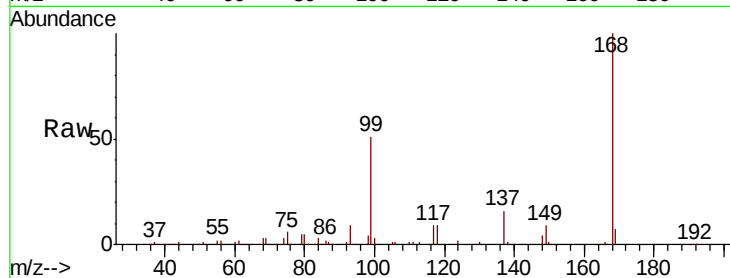
CPA-GMW-5D-R-M27W1-090519

Tgt Ion:168 Resp: 251746

Ion Ratio Lower Upper

168 100

99 51.0 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

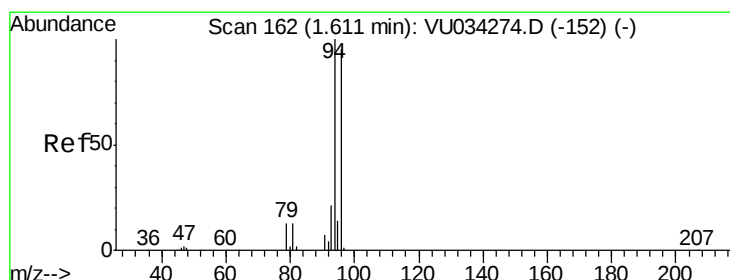
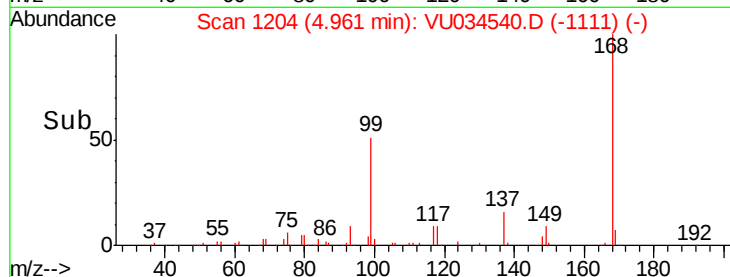
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 167

Delta R.T. 0.02 min

Lab File: VU034540.D

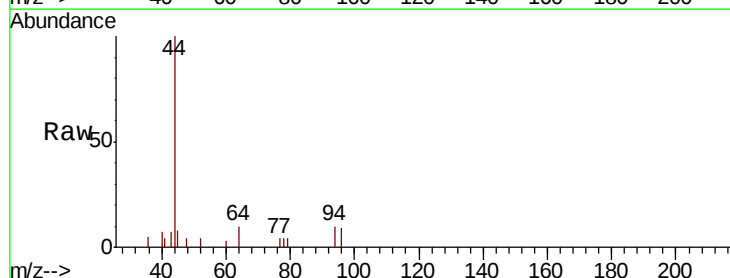
Acq: 12 Sep 2019 23:02

Tgt Ion: 94 Resp: 464

Ion Ratio Lower Upper

94 100

96 85.1 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

400

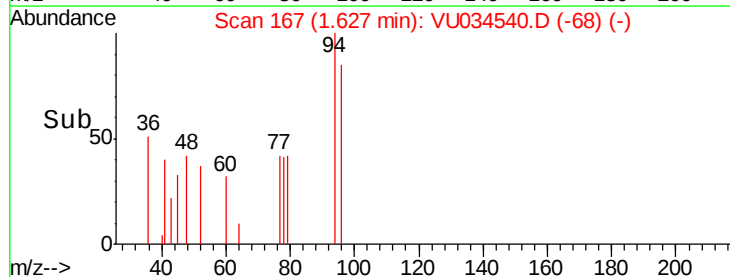
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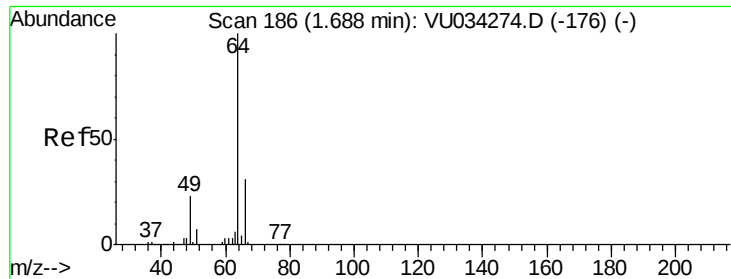
200

100

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU034540.D

Acq: 12 Sep 2019 23:02

Instrument :

MSVOA_U

ClientSampleId :

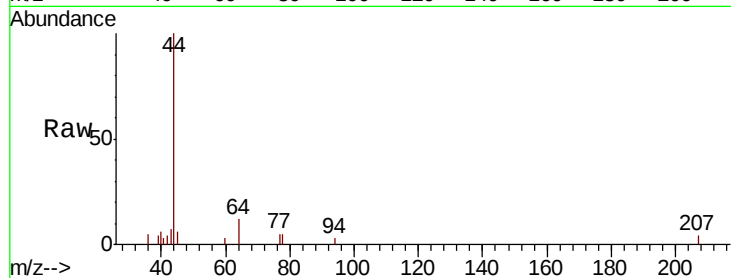
CPA-GMW-5D-R-M27W1-090519

Tgt Ion: 64 Resp: 170

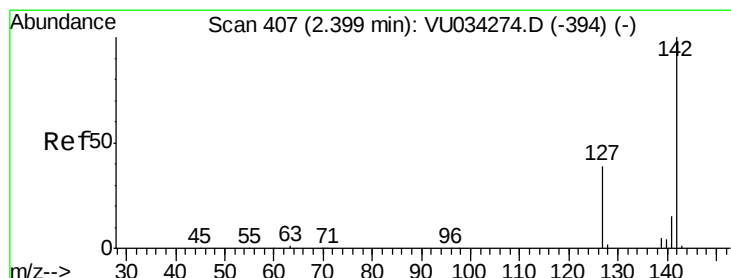
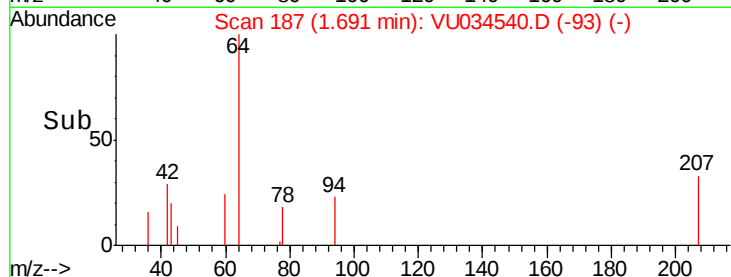
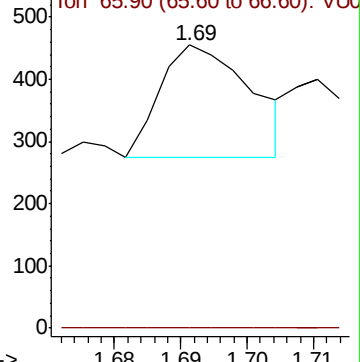
Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#



Abundance Ion 63.90 (63.60 to 64.60): VU034540.D (-176) (-)



#10

Methyl Iodide

Concen: 3.853 ug/l

RT: 2.41 min Scan# 410

Delta R.T. 0.01 min

Lab File: VU034540.D

Acq: 12 Sep 2019 23:02

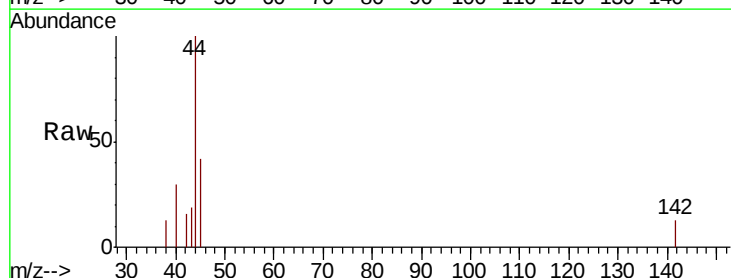
Tgt Ion: 142 Resp: 20

Ion Ratio Lower Upper

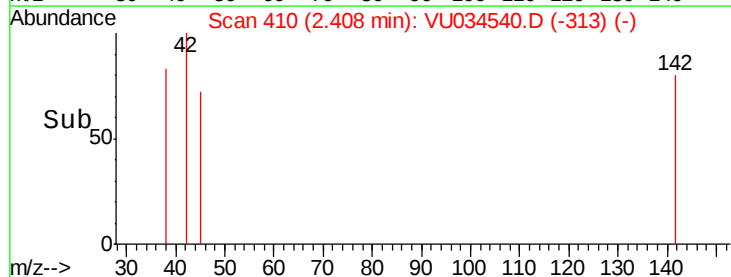
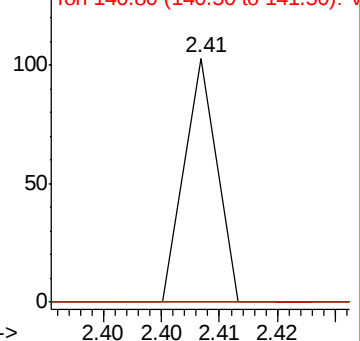
142 100

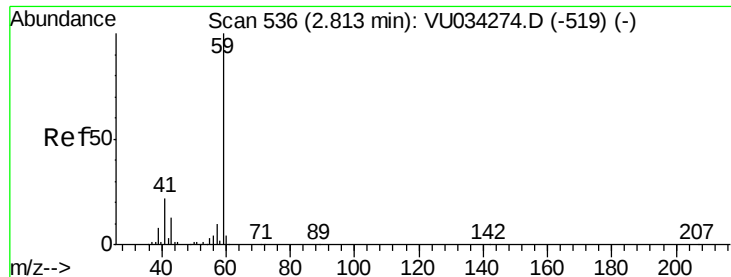
127 0.0 32.1 48.1#

141 0.0 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): VU034540.D (-394) (-)

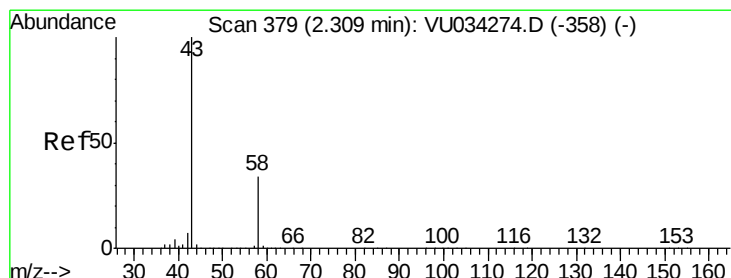
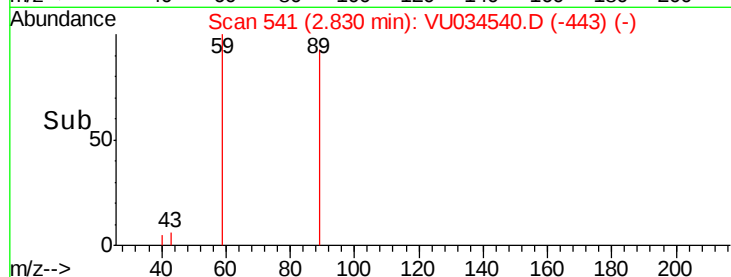
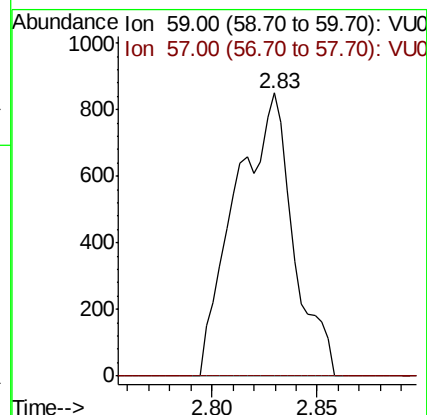
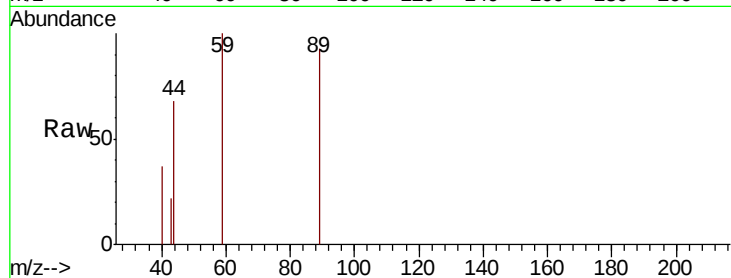




#11
Tert butyl alcohol
Concen: 2.012 ug/l
RT: 2.83 min Scan# 541
Delta R.T. 0.02 min
Lab File: VU034540.D
Acq: 12 Sep 2019 23:02

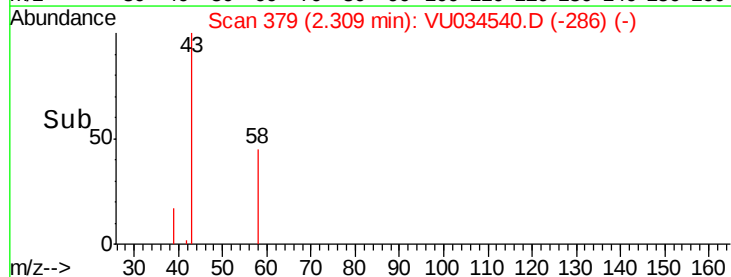
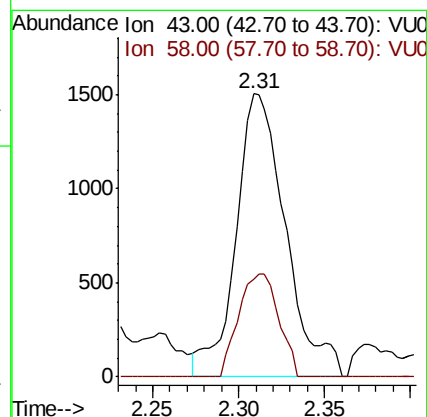
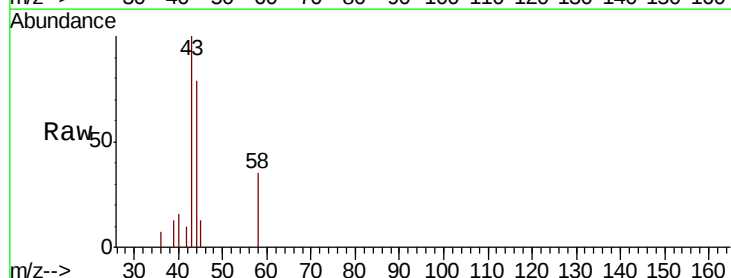
Instrument :
MSVOA_U
ClientSampleId :
CPA-GMW-5D-R-M27W1-090519

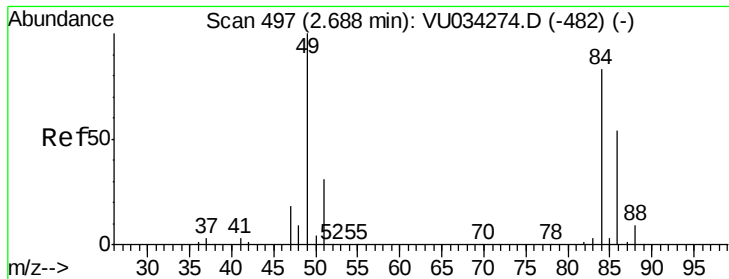
Tgt Ion: 59 Resp: 1619
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#



#16
Acetone
Concen: 1.532 ug/l
RT: 2.31 min Scan# 379
Delta R.T. 0.00 min
Lab File: VU034540.D
Acq: 12 Sep 2019 23:02

Tgt Ion: 43 Resp: 3019
Ion Ratio Lower Upper
43 100
58 34.7 27.6 41.4

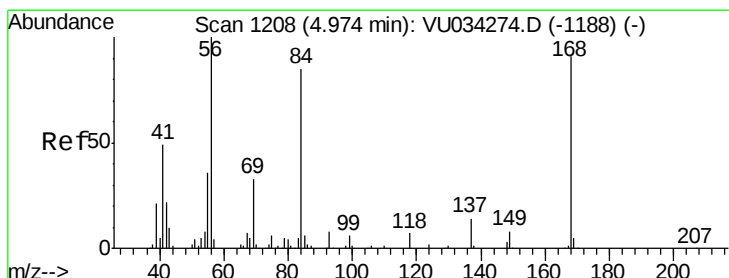
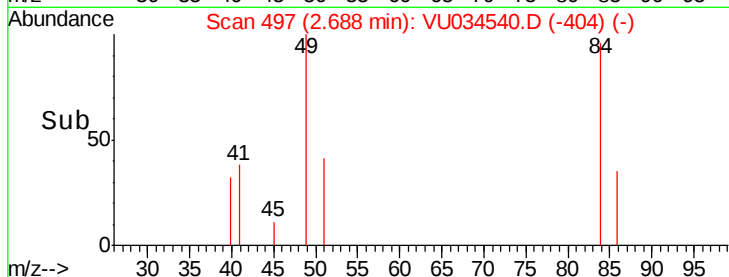
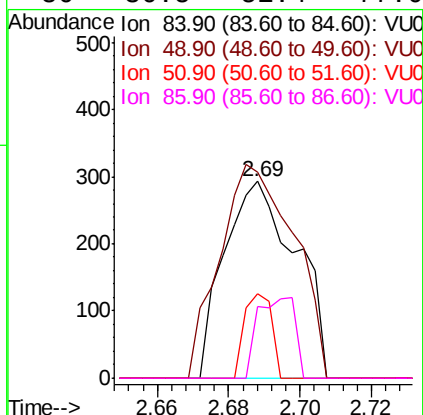
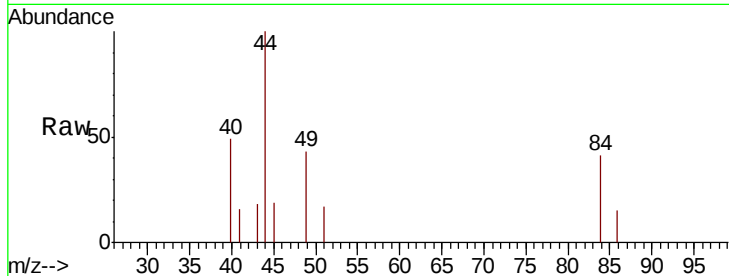




#20
Methylene Chloride
Concen: Below Cal
RT: 2.69 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU034540.D
Acq: 12 Sep 2019 23:02

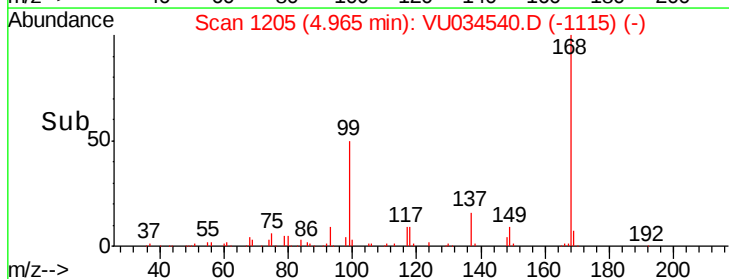
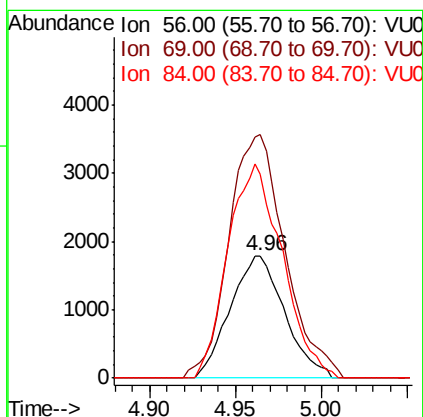
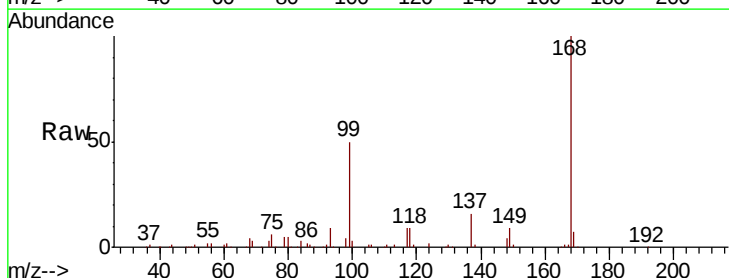
Instrument :
MSVOA_U
ClientSampleId :
CPA-GMW-5D-R-M27W1-090519

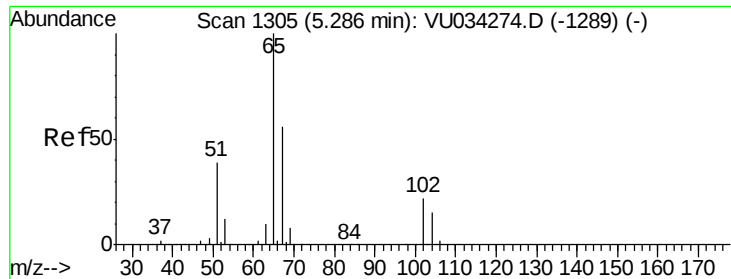
Tgt Ion: 84 Resp: 406
Ion Ratio Lower Upper
84 100
49 104.4 96.0 144.0
51 42.7 30.0 45.0
86 36.5 51.4 77.0#



#31
Cyclohexane
Concen: 0.884 ug/l
RT: 4.96 min Scan# 1205
Delta R.T. -0.01 min
Lab File: VU034540.D
Acq: 12 Sep 2019 23:02

Tgt Ion: 56 Resp: 3943
Ion Ratio Lower Upper
56 100
69 192.4 26.7 40.1#
84 166.7 68.2 102.4#

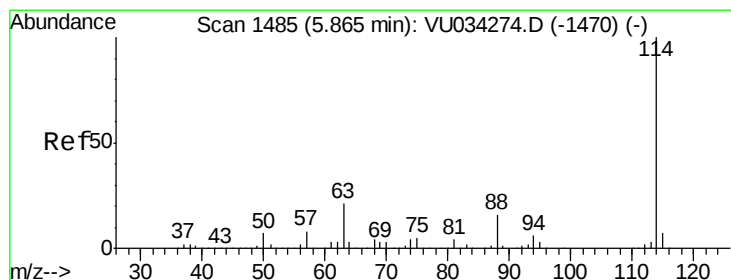
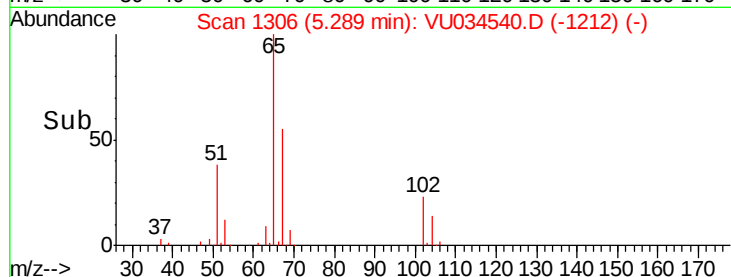
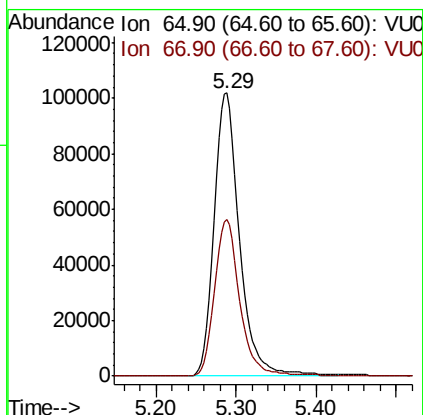
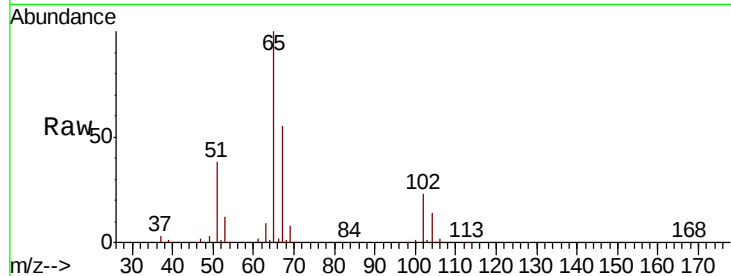




#33
 1,2-Dichloroethane-d4
 Concen: 59.163 ug/l
 RT: 5.29 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU034540.D
 Acq: 12 Sep 2019 23:02

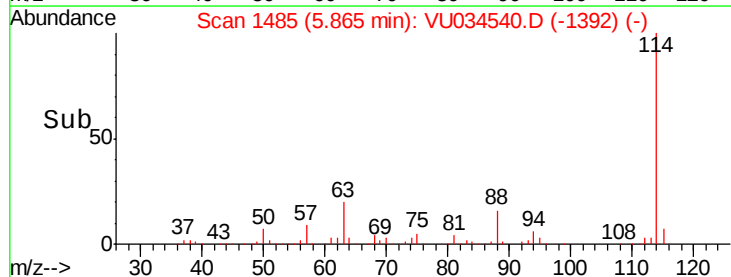
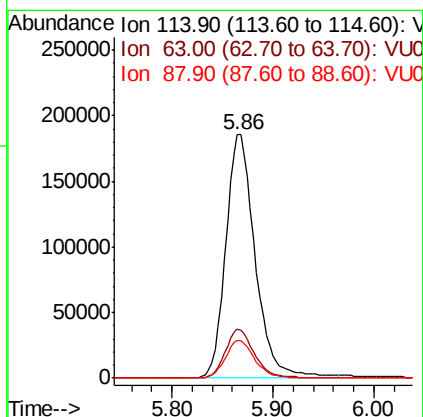
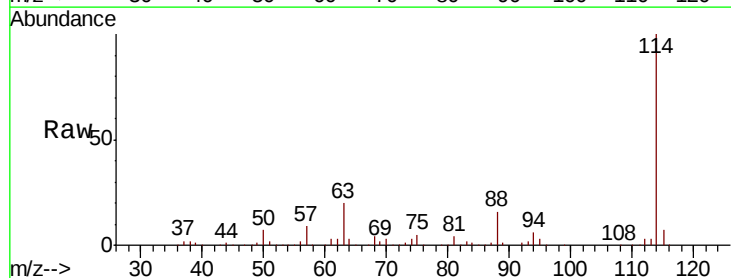
Instrument :
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 CPA-GMW-5D-R-M27W1-090519

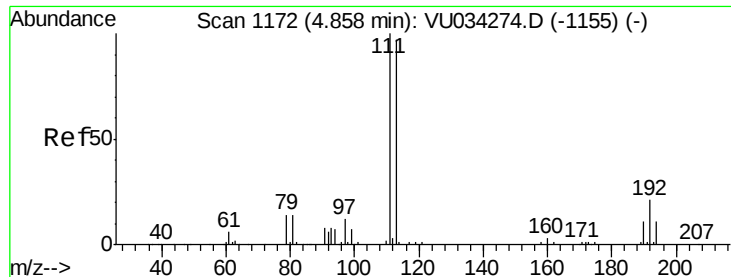
Tgt Ion: 65 Resp: 225353
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 112.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU034540.D
 Acq: 12 Sep 2019 23:02

Tgt Ion: 114 Resp: 377909
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 42.4
 88 15.6 0.0 32.4

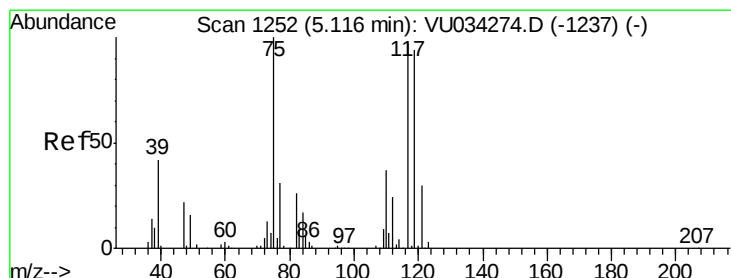
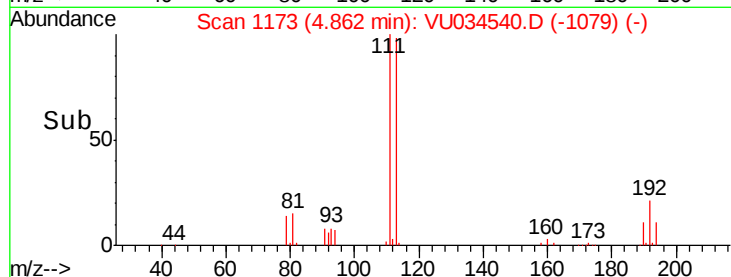
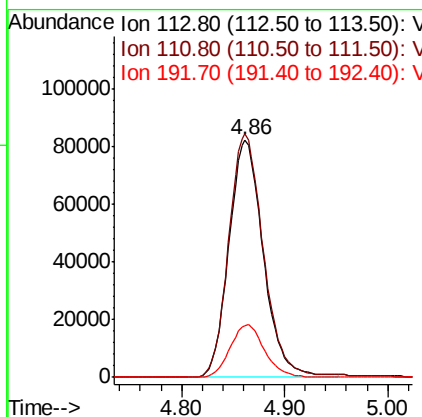
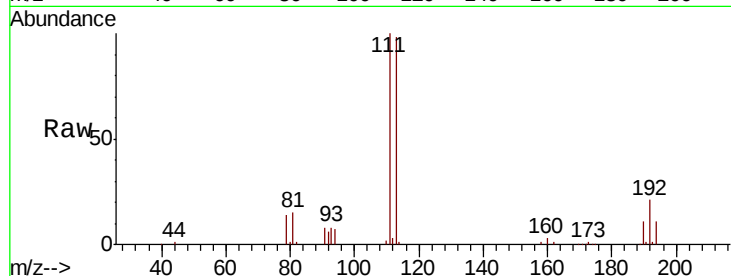




#35
 Dibromofluoromethane
 Concen: 54.540 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034540.D
 Acq: 12 Sep 2019 23:02

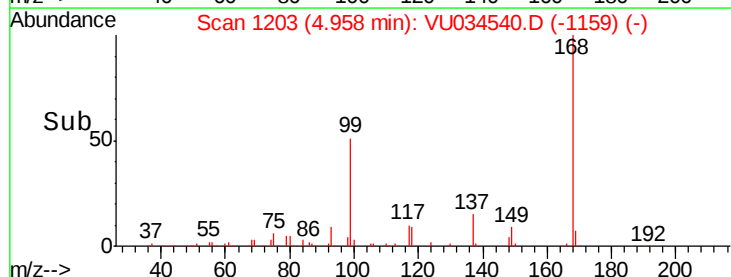
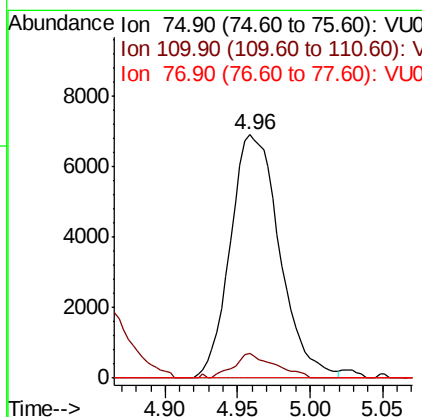
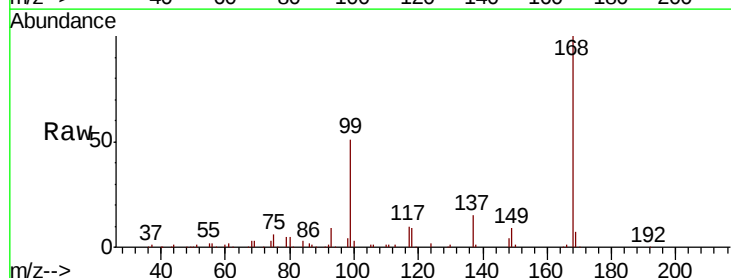
Instrument :
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 ClientSampleId :
 CPA-GMW-5D-R-M27W1-090519

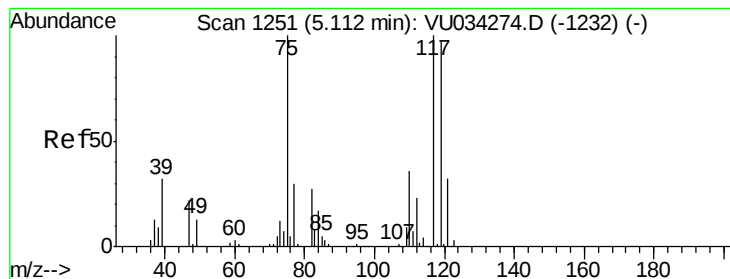
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.5	122.3
192	22.1	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 3.982 ug/l
 RT: 4.96 min Scan# 1203
 Delta R.T. -0.16 min
 Lab File: VU034540.D
 Acq: 12 Sep 2019 23:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	18.3	54.9#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 5.109 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.15 min

Lab File: VU034540.D

Acq: 12 Sep 2019 23:02

Instrument :

MSVOA_U

ClientSampleId :

CPA-GMW-5D-R-M27W1-090519

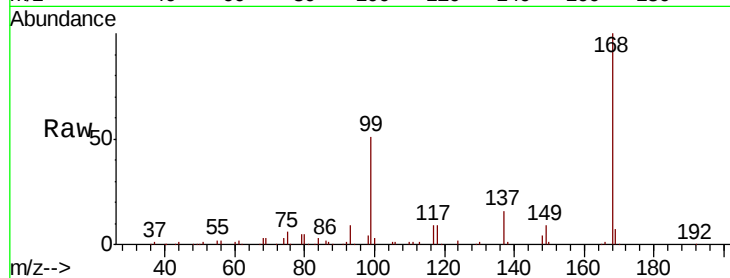
Tgt Ion: 117 Resp: 22359

Ion Ratio Lower Upper

117 100

119 5.0 77.8 116.6#

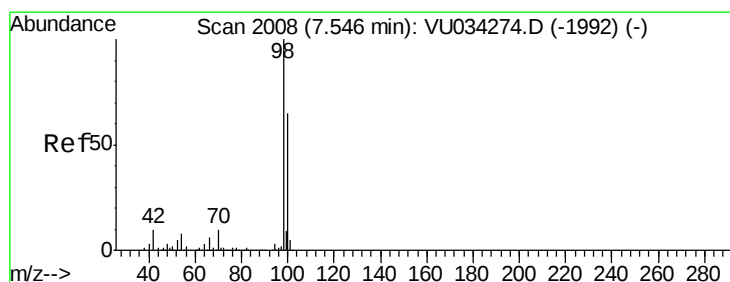
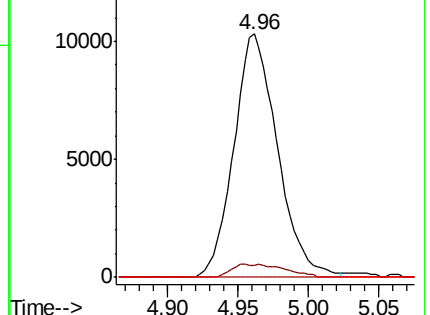
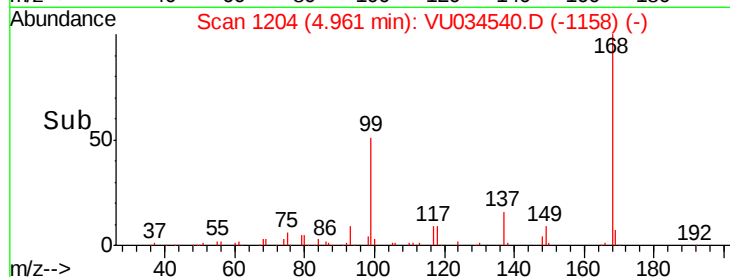
121 0.0 25.2 37.8#



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: 52.518 ug/l

RT: 7.54 min Scan# 2007

Delta R.T. -0.00 min

Lab File: VU034540.D

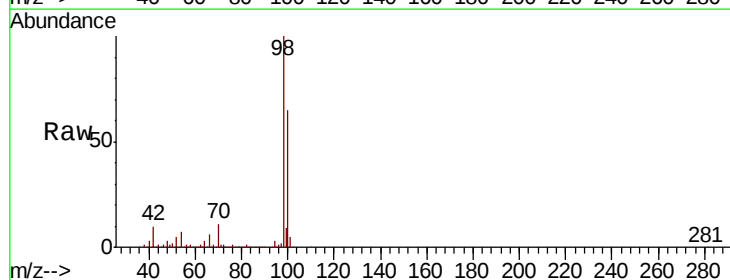
Acq: 12 Sep 2019 23:02

Tgt Ion: 98 Resp: 693838

Ion Ratio Lower Upper

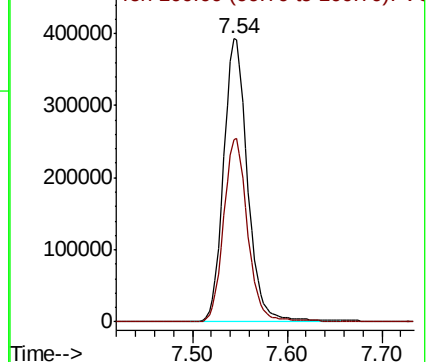
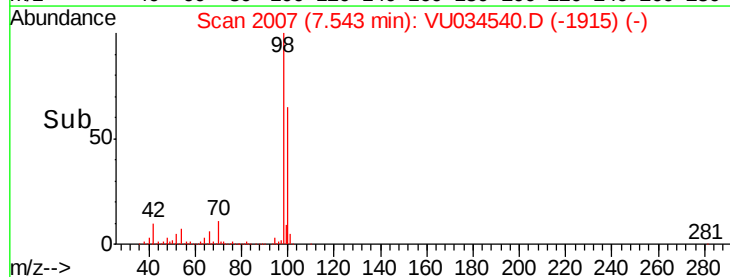
98 100

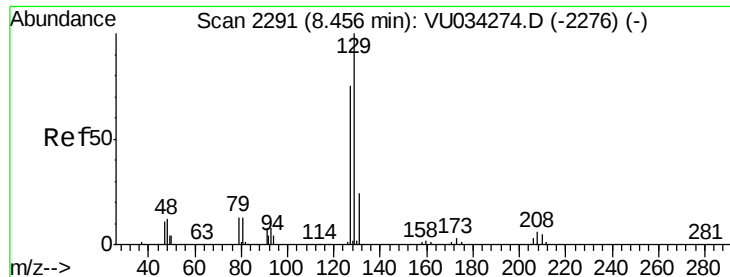
100 65.1 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#60

Dibromochloromethane

Concen: 1.344 ug/l

RT: 8.21 min Scan# 2213

Delta R.T. -0.25 min

Lab File: VU034540.D

Acq: 12 Sep 2019 23:02

Instrument :

MSVOA_U

ClientSampleId :

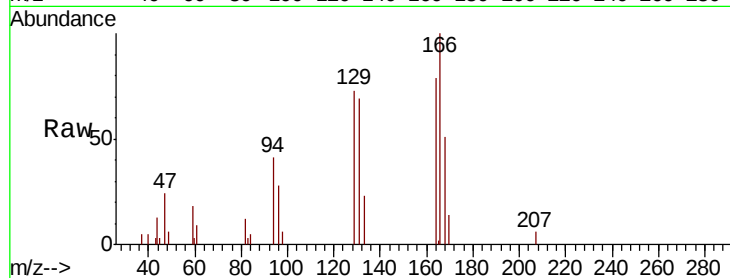
CPA-GMW-5D-R-M27W1-090519

Tgt Ion:129 Resp: 5430

Ion Ratio Lower Upper

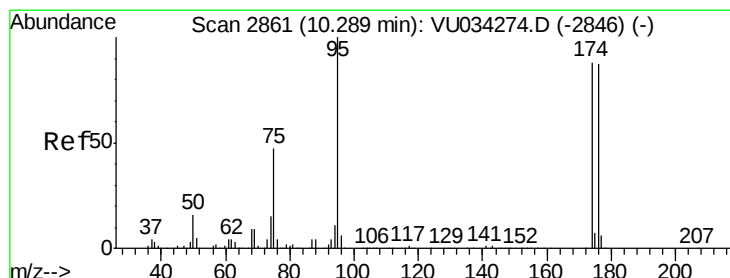
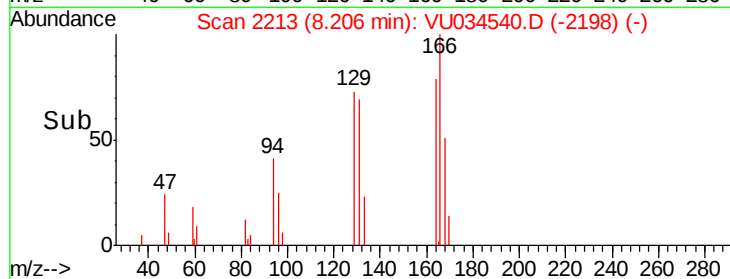
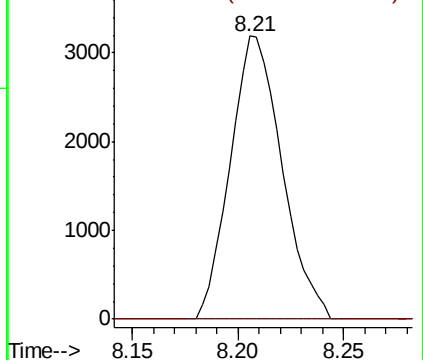
129 100

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: 45.605 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034540.D

Acq: 12 Sep 2019 23:02

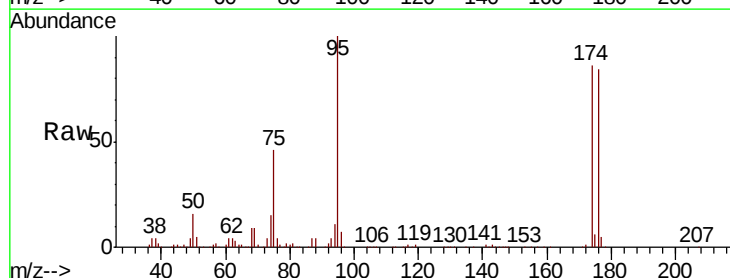
Tgt Ion: 95 Resp: 232623

Ion Ratio Lower Upper

95 100

174 88.5 0.0 175.2

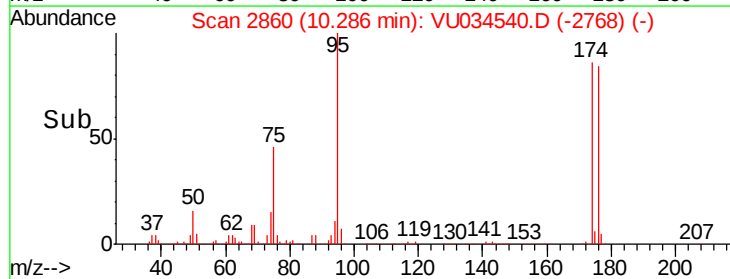
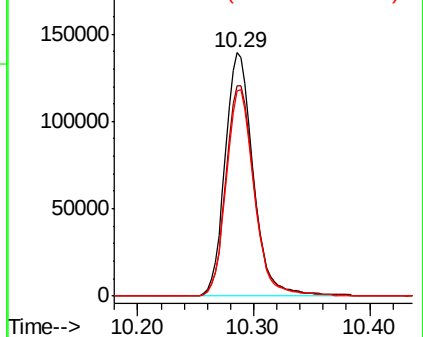
176 84.4 0.0 168.0

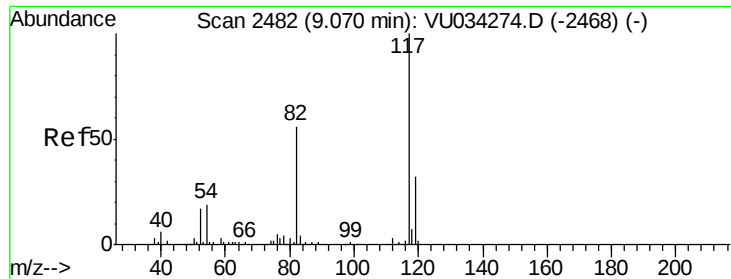


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

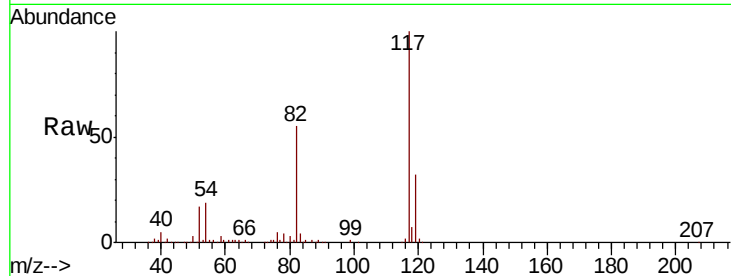




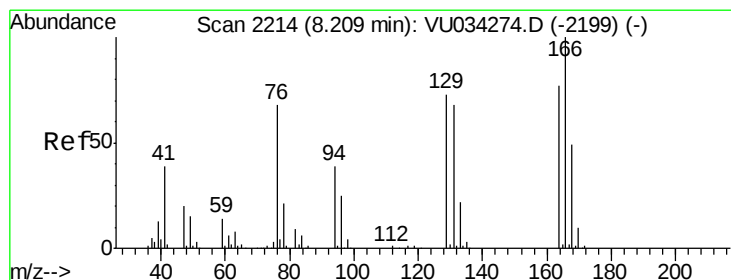
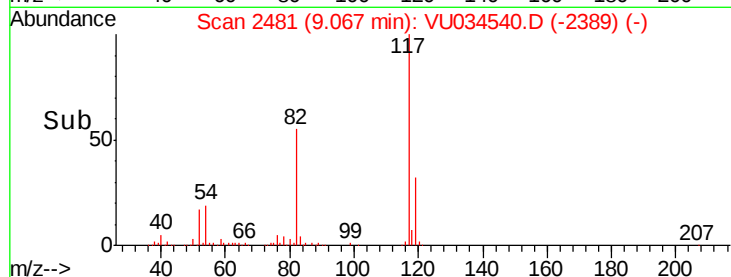
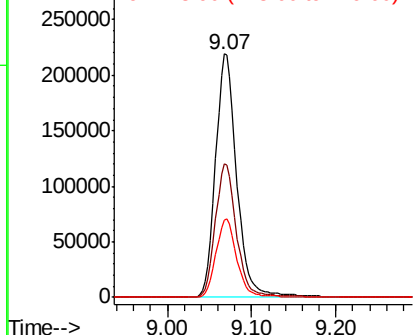
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2481
Delta R.T. -0.00 min
Lab File: VU034540.D
Acq: 12 Sep 2019 23:02

Instrument :
MSVOA_U
ClientSampleId :
CPA-GMW-5D-R-M27W1-090519

Tgt Ion:117 Resp: 383516
Ion Ratio Lower Upper
117 100
82 54.8 44.6 67.0
119 31.6 25.9 38.9

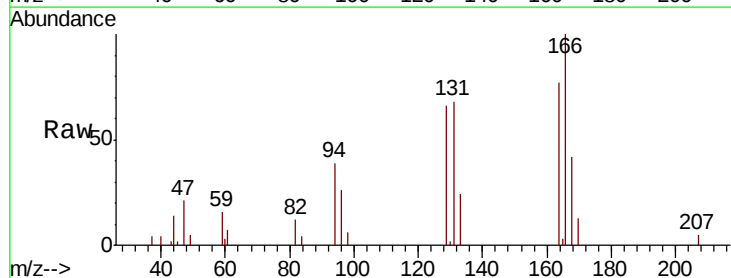


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

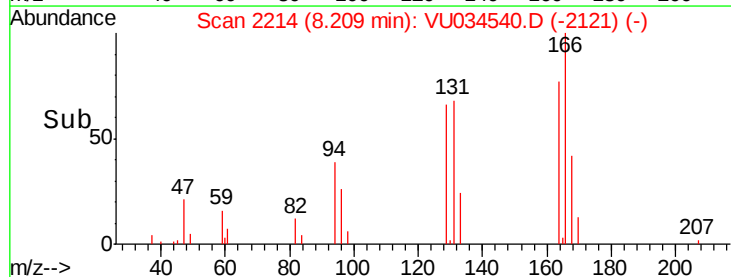
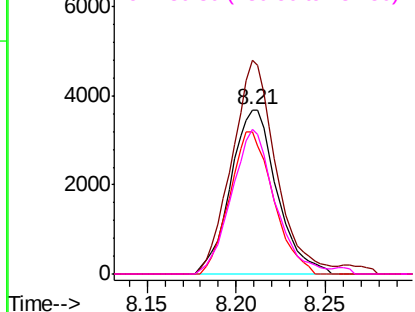


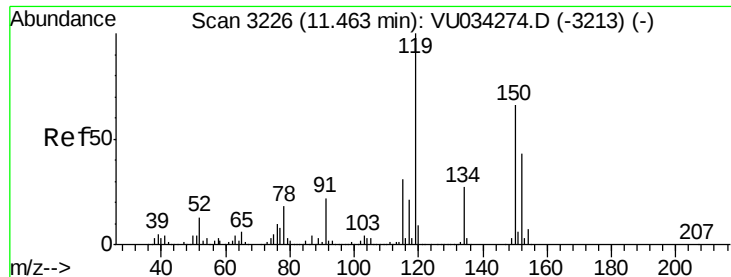
#64
Tetrachloroethene
Concen: 1.999 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034540.D
Acq: 12 Sep 2019 23:02

Tgt Ion:164 Resp: 6652
Ion Ratio Lower Upper
164 100
166 130.2 103.7 155.5
129 86.3 75.8 113.8
131 88.4 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: VU034540.D

Acq: 12 Sep 2019 23:02

Instrument :

MSVOA_U

ClientSampleId :

CPA-GMW-5D-R-M27W1-090519

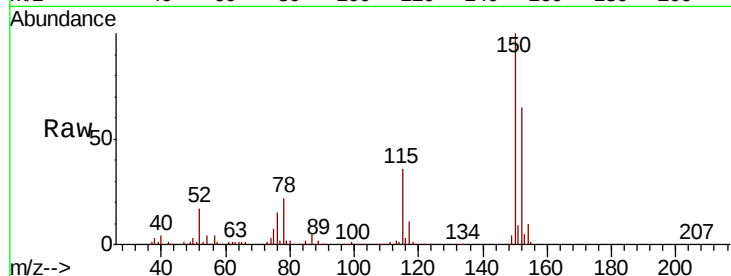
Tgt Ion:152 Resp: 220882

Ion Ratio Lower Upper

152 100

115 55.9 39.1 117.3

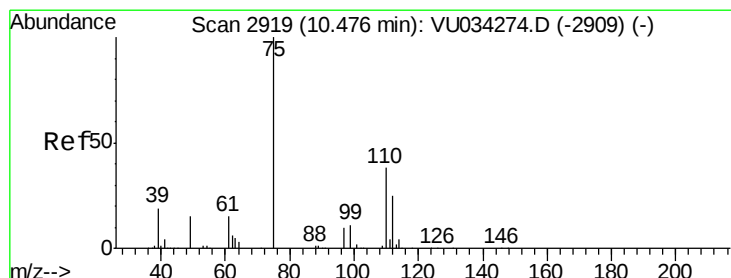
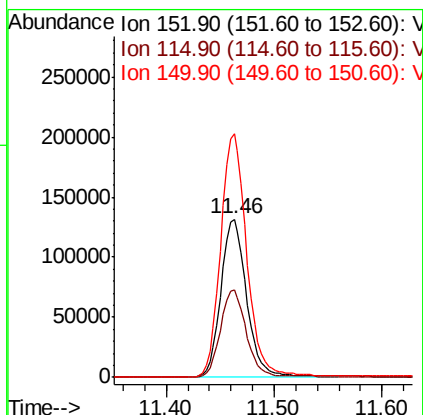
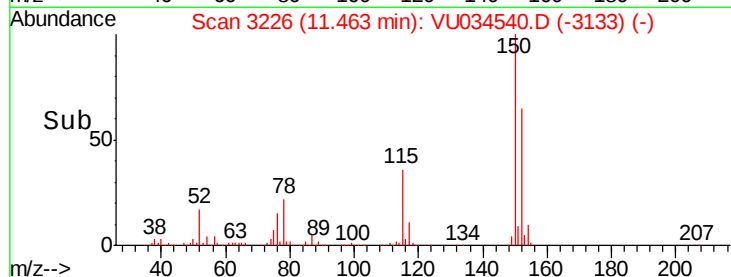
150 155.4 0.0 345.4



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: 22.185 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.19 min

Lab File: VU034540.D

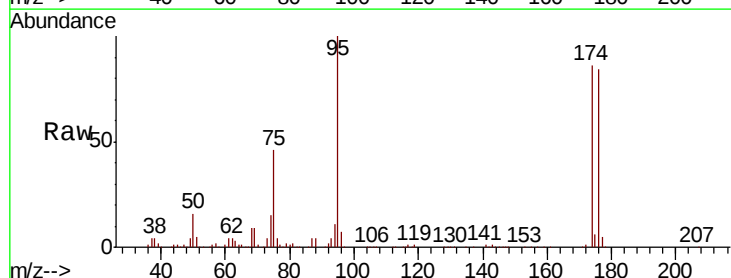
Acq: 12 Sep 2019 23:02

Tgt Ion: 75 Resp: 106966

Ion Ratio Lower Upper

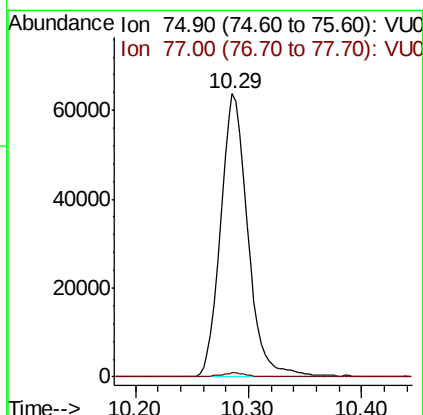
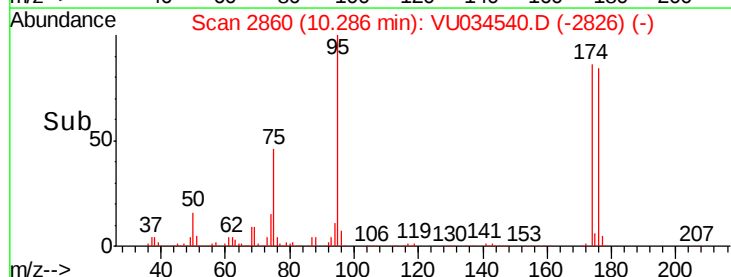
75 100

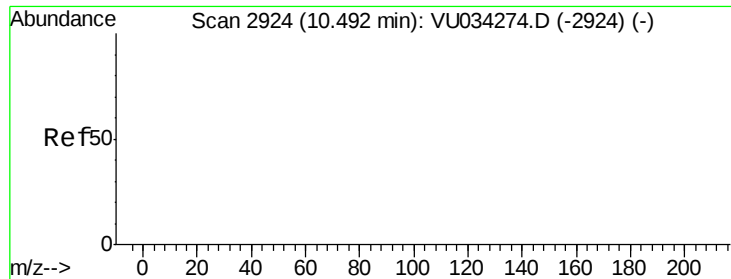
77 1.3 20.8 62.2#



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: 74.608 ug/l
 RT: 10.29 min Scan# 2860
 Delta R.T. -0.21 min
 Lab File: VU034540.D
 Acq: 12 Sep 2019 23:02

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-GMW-5D-R-M27W1-090519

Tgt Ion: 75 Resp: 106966
 Ion Ratio Lower Upper
 75 100
 53 0.2 0.0 0.0#
 89 0.0 0.0 0.0

