

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091219\
 Data File : VU034524.D
 Acq On : 12 Sep 2019 16:51
 Operator : JC/SP
 Sample : K4756-18
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW05D-M27W1-090519

Quant Time: Sep 13 07:11:04 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	259806	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	392867	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	395880	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	228994	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	225677	57.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.82%	
35) Dibromofluoromethane	4.86	113	193813	53.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.04%	
50) Toluene-d8	7.54	98	717290	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	
62) 4-Bromofluorobenzene	10.29	95	242812	45.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.58%	

Target Compounds

					Qvalue	
3) Chloromethane	1.33	50	1124	0.298 ug/l	#	78
5) Bromomethane	1.63	94	897	Below Cal		83
6) Chloroethane	1.68	64	107	Below Cal	#	43
10) Methyl Iodide	2.41	142	894	4.146 ug/l	#	59
11) Tert butyl alcohol	2.82	59	3728	4.489 ug/l	#	76
13) Acrolein	2.19	56	229	0.328 ug/l	#	22
16) Acetone	2.31	43	6666	3.277 ug/l		97
17) Carbon Disulfide	2.47	76	1547	0.244 ug/l	#	75
20) Methylene Chloride	2.69	84	521	Below Cal		88
27) cis-1,2-Dichloroethene	4.22	96	2077	0.574 ug/l		70
29) Tetrahydrofuran	4.64	42	2708	1.639 ug/l	#	79
31) Cyclohexane	4.97	56	4442	0.965 ug/l	#	1
36) 1,1-Dichloropropene	4.96	75	17769	4.170 ug/l	#	44
38) Carbon Tetrachloride	4.96	117	23944	5.263 ug/l	#	15
41) Methacrylonitrile	4.64	41	1862	0.694 ug/l	#	29
44) Trichloroethene	6.17	130	912	0.240 ug/l		83
49) 1,4-Dioxane	6.60	88	188	2.307 ug/l	#	30
51) 4-Methyl-2-Pentanone	7.45	43	4192	0.771 ug/l		96
56) Ethyl methacrylate	8.02	69	309	3.125 ug/l	#	19
59) 2-Hexanone	8.37	43	3514	0.865 ug/l		96
60) Dibromochloromethane	8.21	129	33913	8.074 ug/l	#	12
64) Tetrachloroethene	8.21	164	37727	10.985 ug/l		95
68) m/p-Xylenes	9.36	106	1650	0.267 ug/l		86
76) 1,2,3-Trichloropropane	10.29	75	113614	22.729 ug/l	#	36
77) Bromobenzene	10.43	156	1023	0.246 ug/l		92
78) n-propylbenzene	10.57	91	4147	0.241 ug/l		93
79) 2-Chlorotoluene	10.64	91	2348	0.224 ug/l		88
81) trans-1,4-Dichloro-2-buten	10.29	75	113614	76.438 ug/l	#	100
82) 4-Chlorotoluene	10.76	91	3517	0.291 ug/l		97
85) sec-Butylbenzene	11.31	105	3006	0.204 ug/l		94
86) p-Isopropyltoluene	11.46	119	2961	0.218 ug/l	#	77
87) 1,3-Dichlorobenzene	11.40	146	3050	0.401 ug/l		92
88) 1,4-Dichlorobenzene	11.40	146	3050	0.385 ug/l		92
89) n-Butylbenzene	11.87	91	4265	0.361 ug/l		91

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

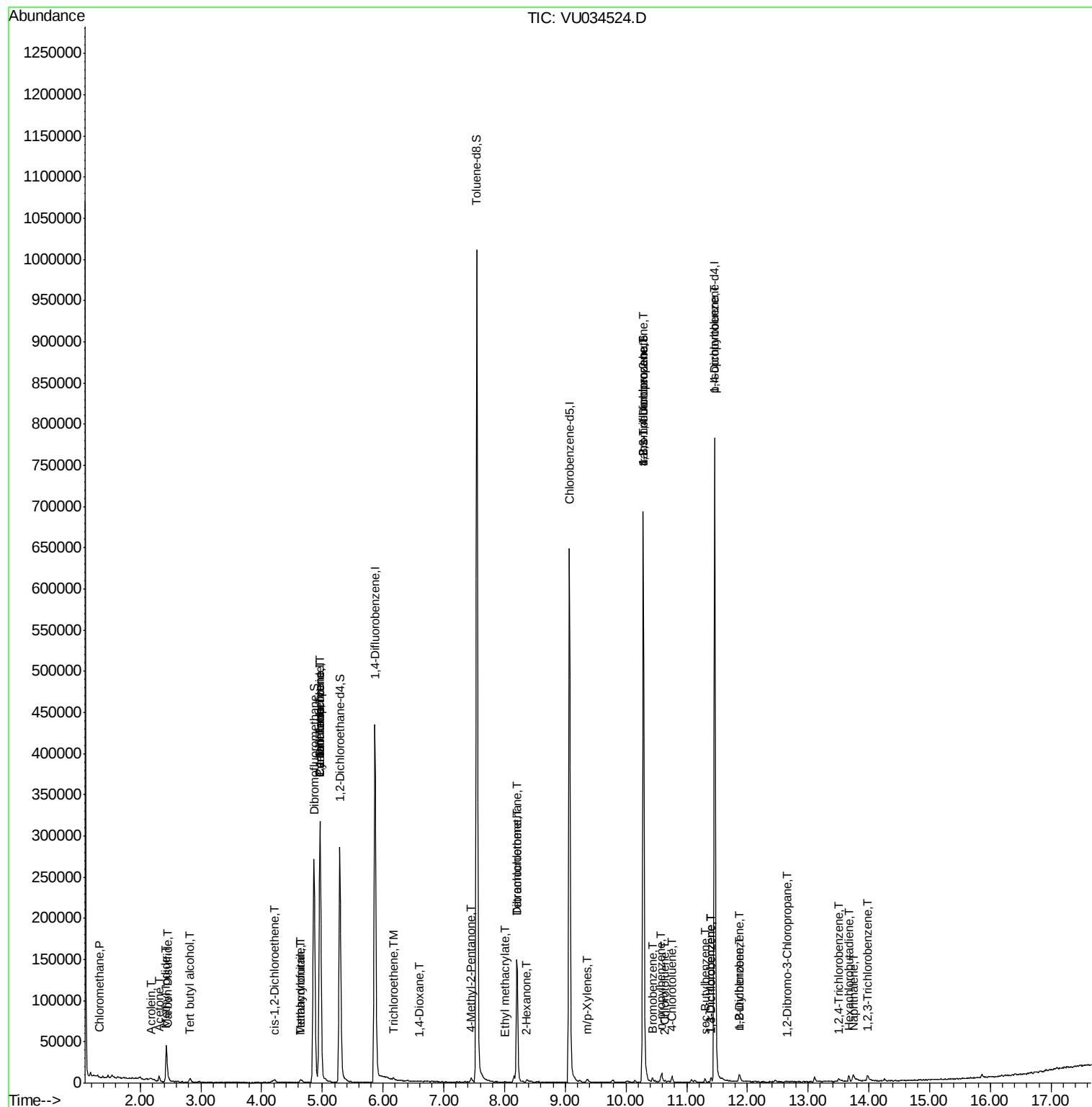
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) 1,2-Dichlorobenzene	11.86	146	2531	0.339	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	12.65	75	254	0.229	ug/l #	38
93) 1,2,4-Trichlorobenzene	13.50	180	1847	3.769	ug/l #	61
94) Hexachlorobutadiene	13.67	225	1756	0.672	ug/l	90
95) Naphthalene	13.74	128	11165	4.639	ug/l #	90
96) 1,2,3-Trichlorobenzene	13.99	180	4820	3.511	ug/l #	85

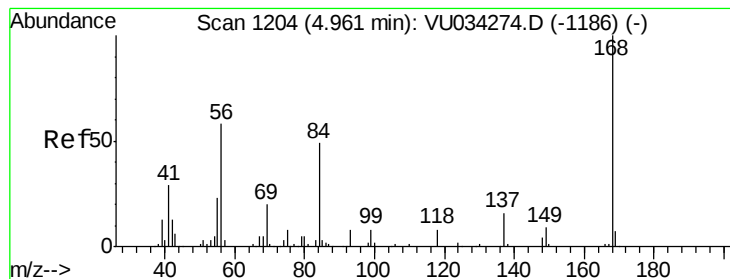
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VU034524.D

Acq: 12 Sep 2019 16:51

Instrument :

MSVOA_U

ClientSampleId :

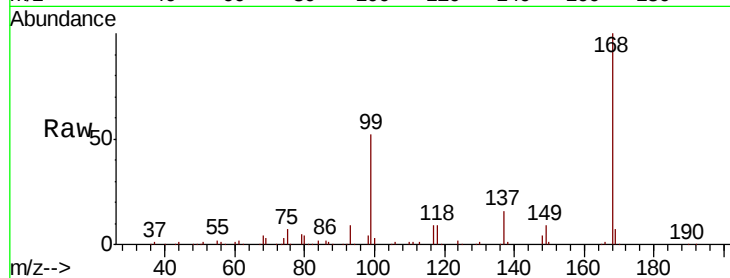
CPA-CPMW05D-M27W1-090519

Tgt Ion:168 Resp: 259806

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) (-)

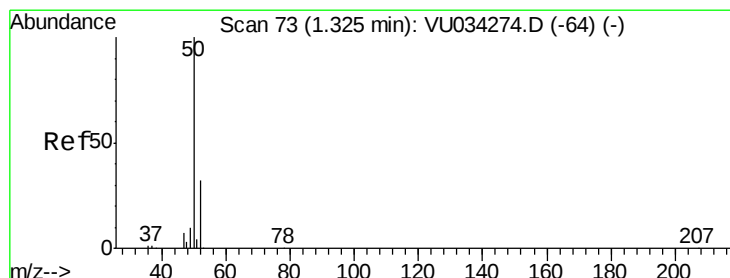
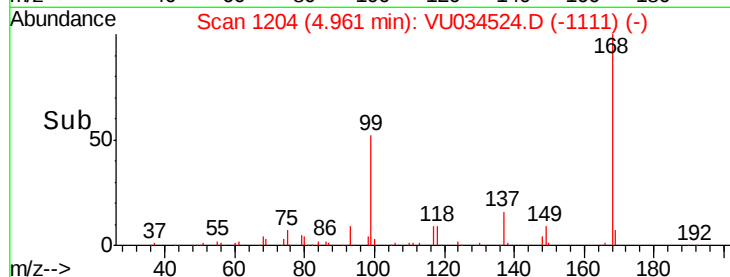
4.96

100000

50000

0

Time--> 4.85 4.90 4.95 5.00 5.05



#3

Chloromethane

Concen: 0.298 ug/l

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU034524.D

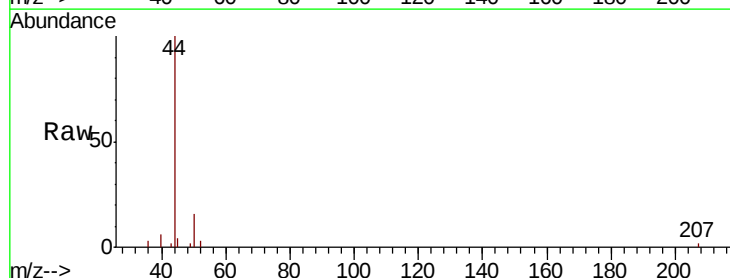
Acq: 12 Sep 2019 16:51

Tgt Ion: 50 Resp: 1124

Ion Ratio Lower Upper

50 100

52 20.1 25.8 38.6#



Abundance Ion 49.90 (49.60 to 50.60): VU034274.D (-64) (-)

Ion 51.90 (51.60 to 52.60): VU034274.D (-64) (-)

1.33

1000

800

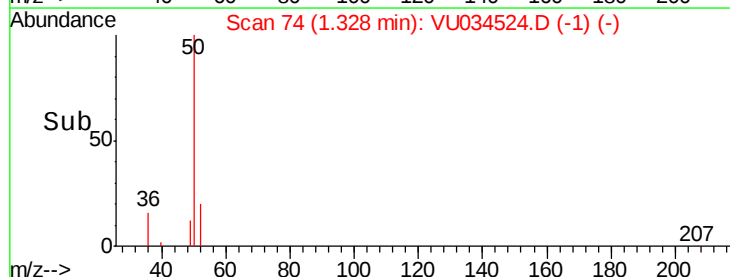
600

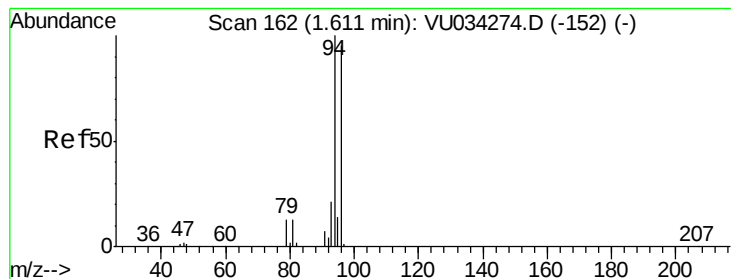
400

200

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 169

Delta R.T. 0.02 min

Lab File: VU034524.D

Acq: 12 Sep 2019 16:51

Instrument :

MSVOA_U

ClientSampleId :

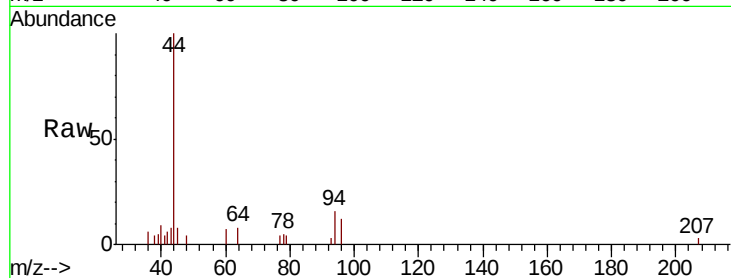
CPA-CPMW05D-M27W1-090519

Tgt Ion: 94 Resp: 897

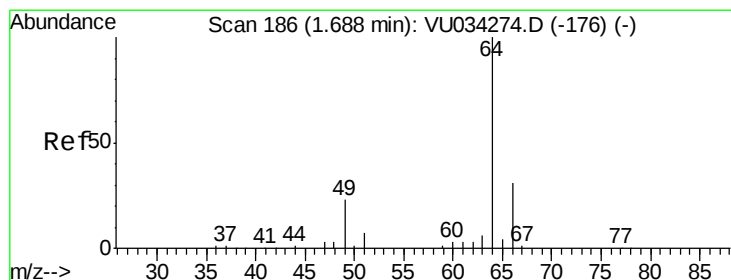
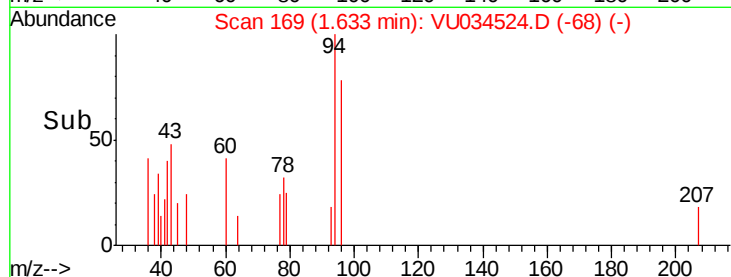
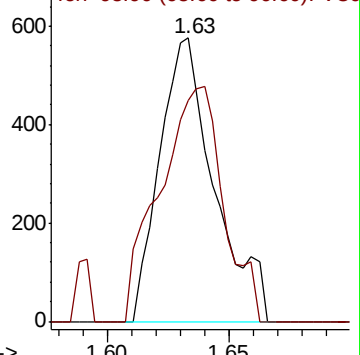
Ion Ratio Lower Upper

94 100

96 77.8 75.7 113.5



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



#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 185

Delta R.T. -0.00 min

Lab File: VU034524.D

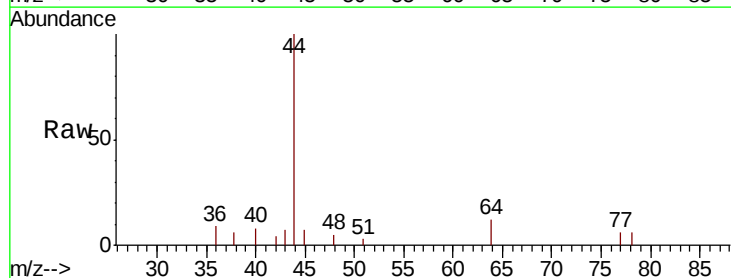
Acq: 12 Sep 2019 16:51

Tgt Ion: 64 Resp: 107

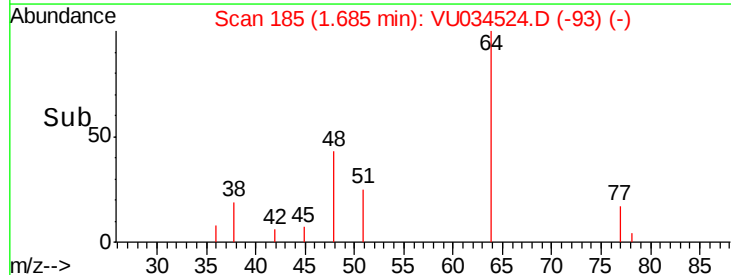
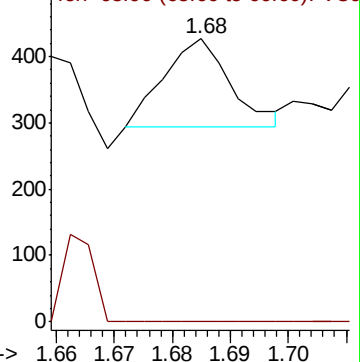
Ion Ratio Lower Upper

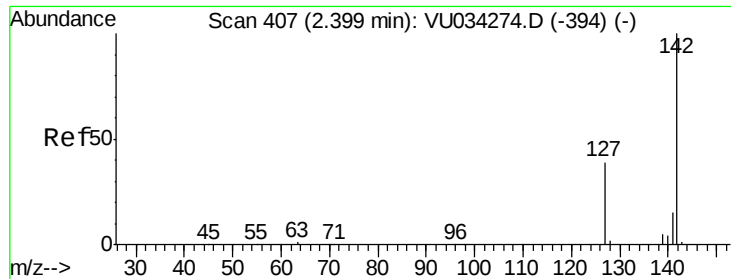
64 100

66 0.0 25.0 37.6#



Abundance Ion 63.90 (63.60 to 64.60): VU034274.D (-176) (-)

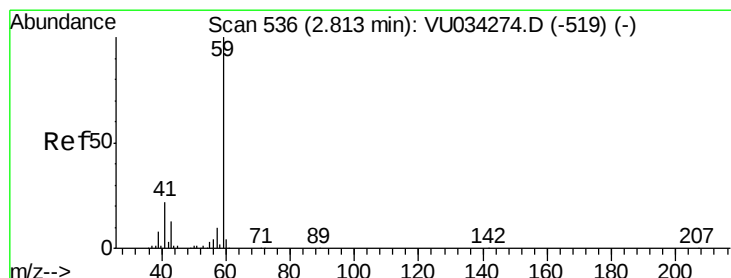
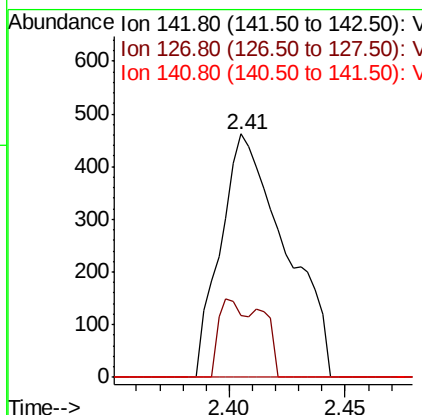
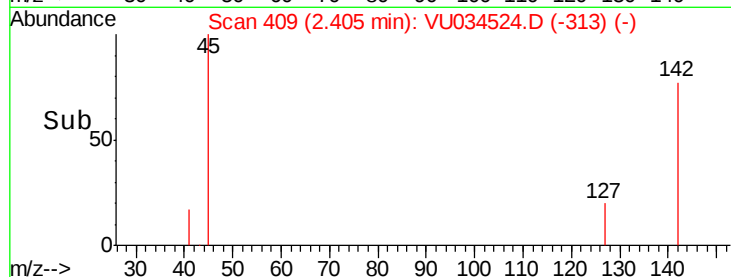
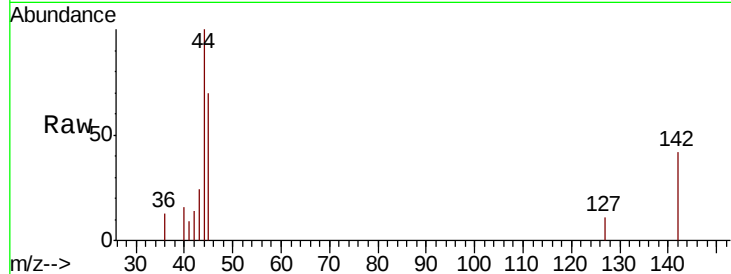




#10
Methyl Iodide
Concen: 4.146 ug/l
RT: 2.41 min Scan# 409
Delta R.T. 0.01 min
Lab File: VU034524.D
Acq: 12 Sep 2019 16:51

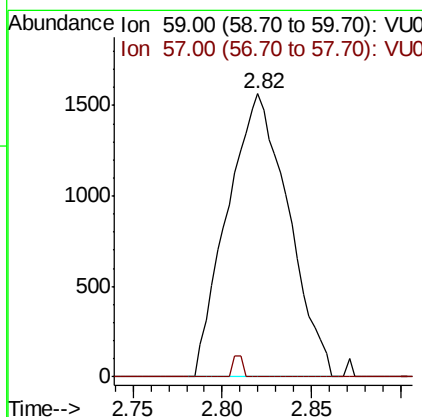
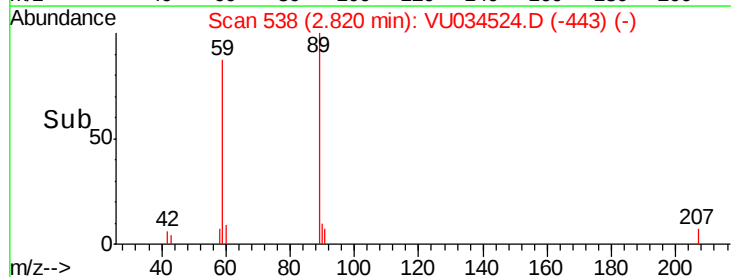
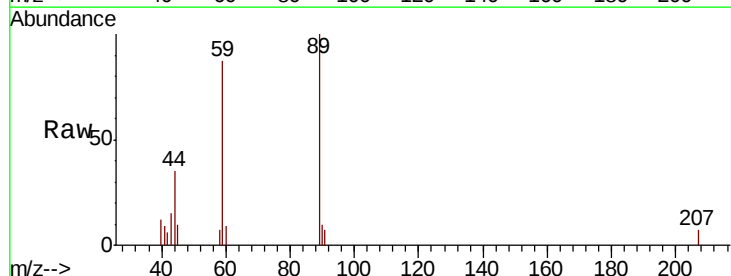
Instrument :
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CPA-CPMW05D-M27W1-090519

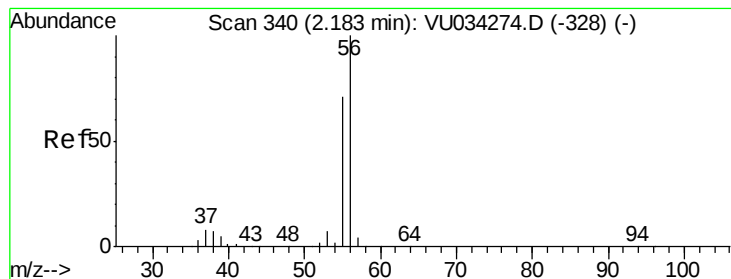
Tgt Ion: 142 Resp: 894
Ion Ratio Lower Upper
142 100
127 13.8 32.1 48.1#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 4.489 ug/l
RT: 2.82 min Scan# 538
Delta R.T. 0.01 min
Lab File: VU034524.D
Acq: 12 Sep 2019 16:51

Tgt Ion: 59 Resp: 3728
Ion Ratio Lower Upper
59 100
57 1.2 7.9 11.9#





#13

Acrolein

Concen: 0.328 ug/l

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VU034524.D

Acq: 12 Sep 2019 16:51

Instrument :

MSVOA_U

ClientSampleId :

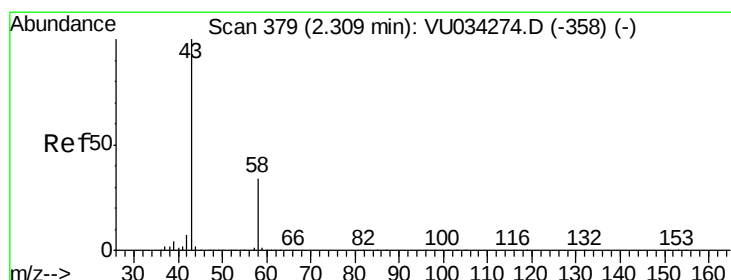
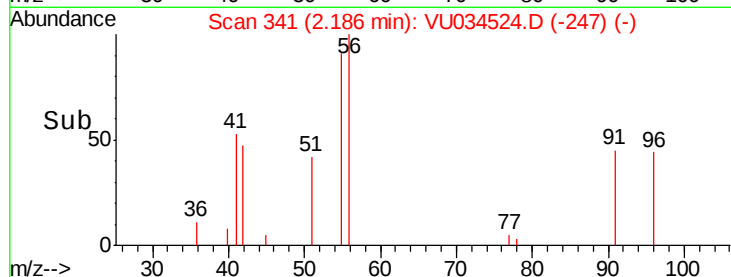
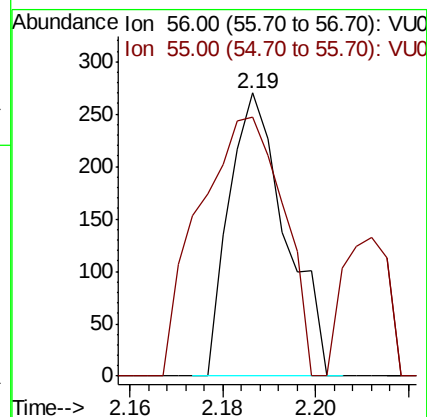
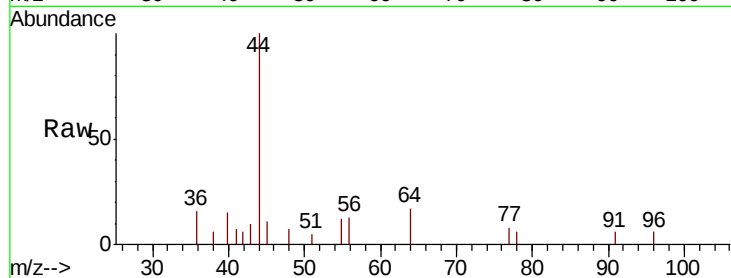
CPA-CPMW05D-M27W1-090519

Tgt Ion: 56 Resp: 229

Ion Ratio Lower Upper

56 100

55 136.7 57.4 86.2#



#16

Acetone

Concen: 3.277 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034524.D

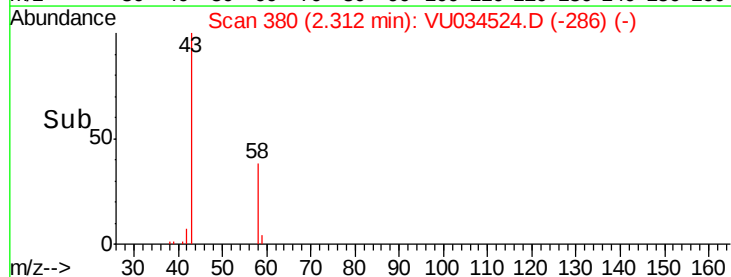
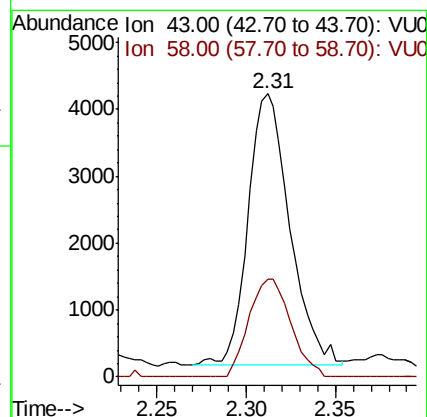
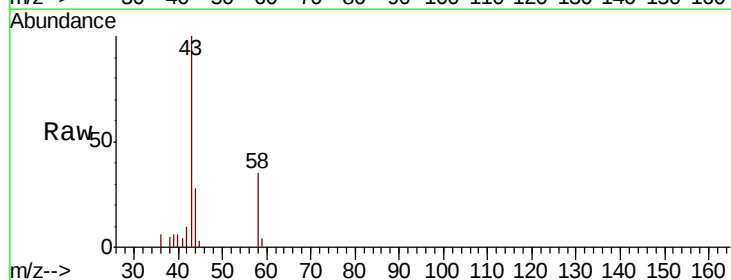
Acq: 12 Sep 2019 16:51

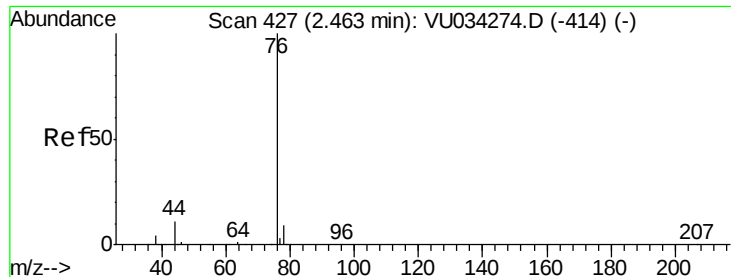
Tgt Ion: 43 Resp: 6666

Ion Ratio Lower Upper

43 100

58 36.2 27.6 41.4

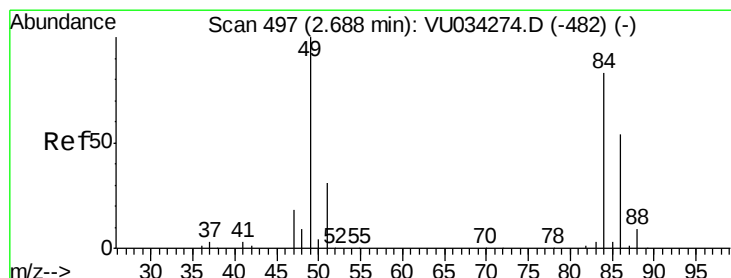
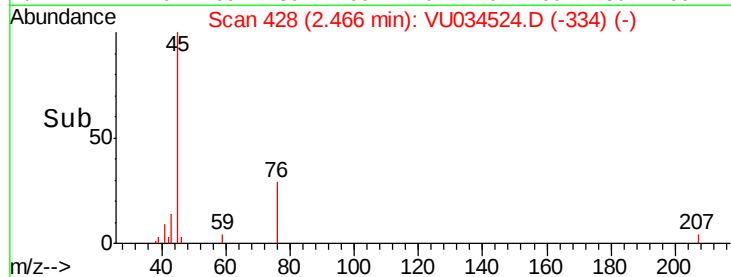
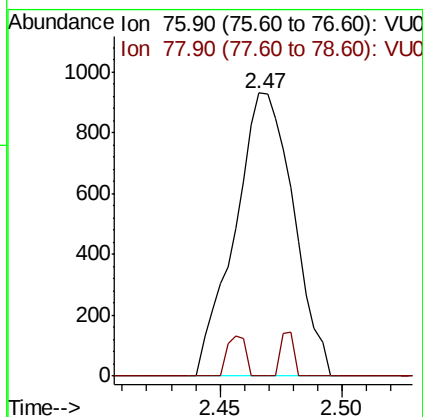
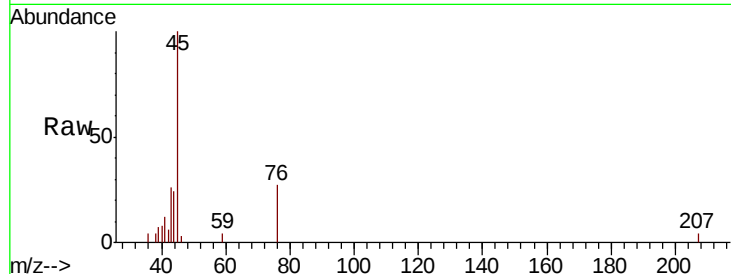




#17
Carbon Disulfide
Concen: 0.244 ug/l
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VU034524.D
Acq: 12 Sep 2019 16:51

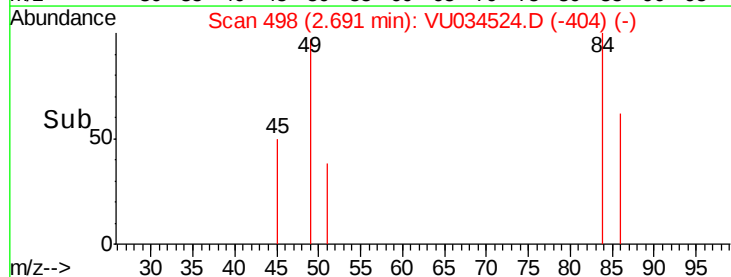
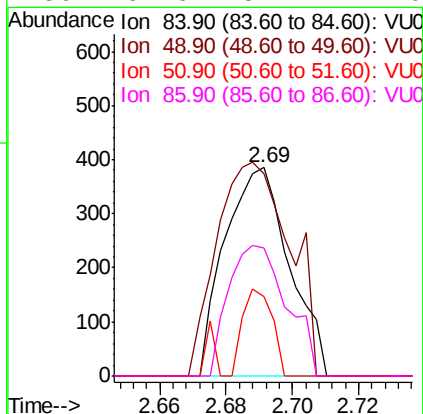
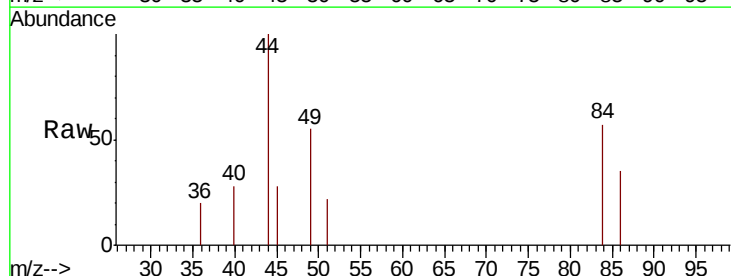
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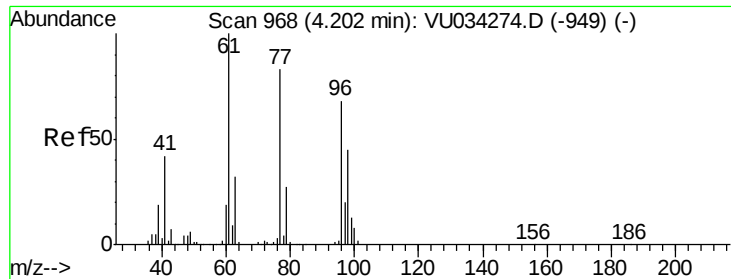
Tgt Ion: 76 Resp: 1547
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.69 min Scan# 498
Delta R.T. 0.00 min
Lab File: VU034524.D
Acq: 12 Sep 2019 16:51

Tgt Ion: 84 Resp: 521
Ion Ratio Lower Upper
84 100
49 96.9 96.0 144.0
51 37.9 30.0 45.0
86 61.6 51.4 77.0



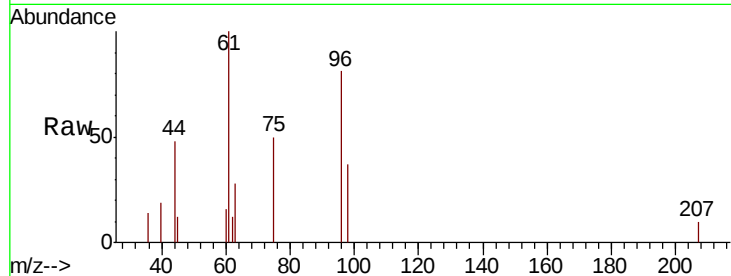


#27

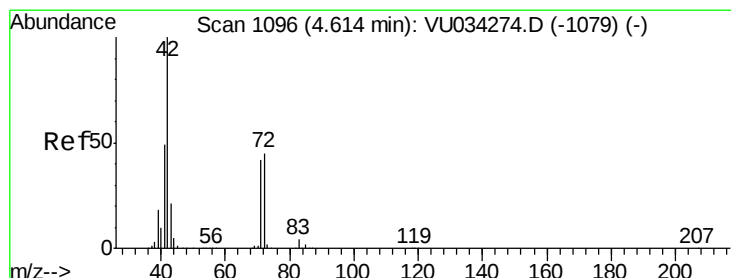
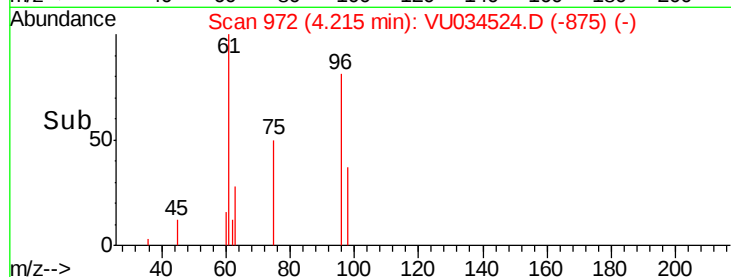
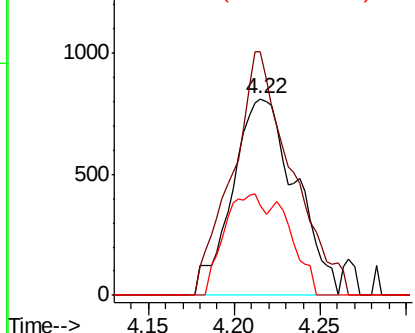
cis-1,2-Dichloroethene
 Concen: 0.574 ug/l
 RT: 4.22 min Scan# 972
 Delta R.T. 0.01 min
 Lab File: VU034524.D
 Acq: 12 Sep 2019 16:51

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW05D-M27W1-090519

Tgt Ion: 96 Resp: 2077
 Ion Ratio Lower Upper
 96 100
 61 116.0 0.0 297.4
 98 33.0 0.0 130.0



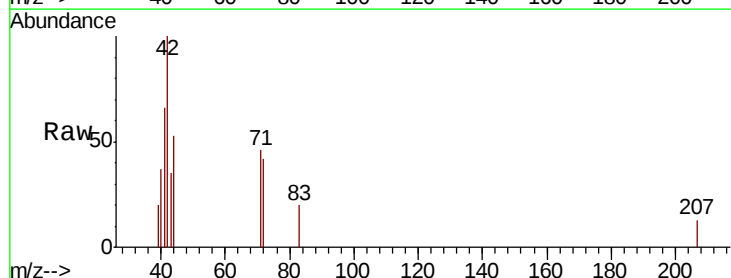
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



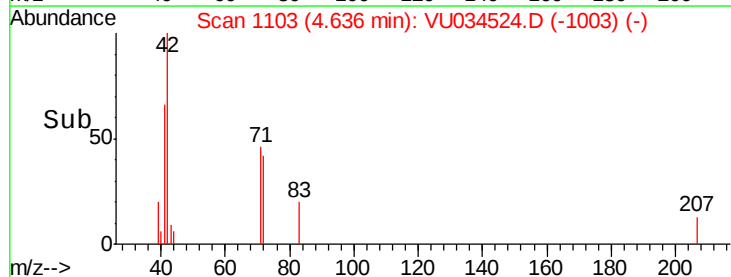
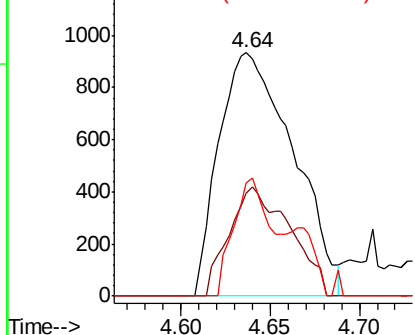
#29

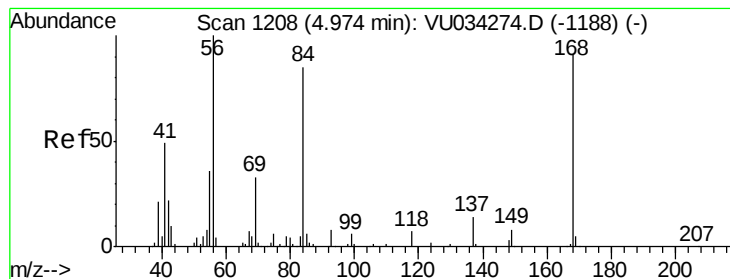
Tetrahydrofuran
 Concen: 1.639 ug/l
 RT: 4.64 min Scan# 1103
 Delta R.T. 0.02 min
 Lab File: VU034524.D
 Acq: 12 Sep 2019 16:51

Tgt Ion: 42 Resp: 2708
 Ion Ratio Lower Upper
 42 100
 72 36.8 36.6 54.8
 71 23.9 34.3 51.5#



Abundance Ion 42.00 (41.70 to 42.70): VU0
 Ion 72.00 (71.70 to 72.70): VU0
 Ion 71.00 (70.70 to 71.70): VU0





#31

Cyclohexane

Concen: 0.965 ug/l

RT: 4.97 min Scan# 1206

Delta R.T. -0.01 min

Lab File: VU034524.D

Acq: 12 Sep 2019 16:51

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW05D-M27W1-090519

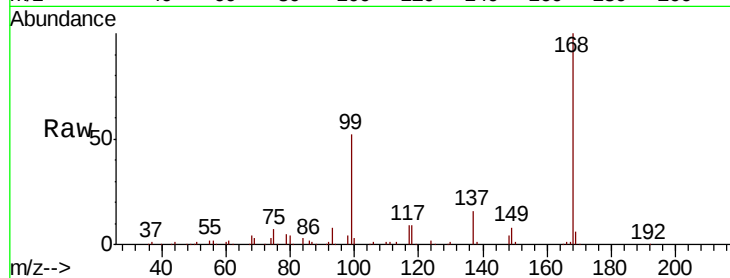
Tgt Ion: 56 Resp: 4442

Ion Ratio Lower Upper

56 100

69 203.8 26.7 40.1#

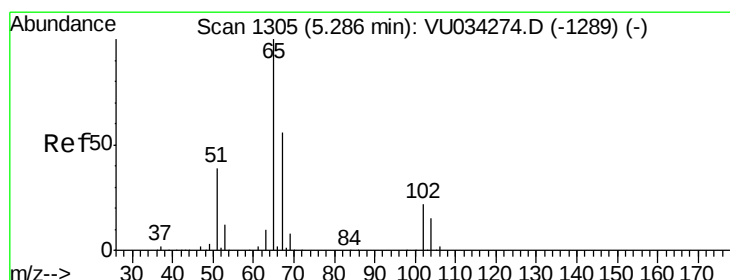
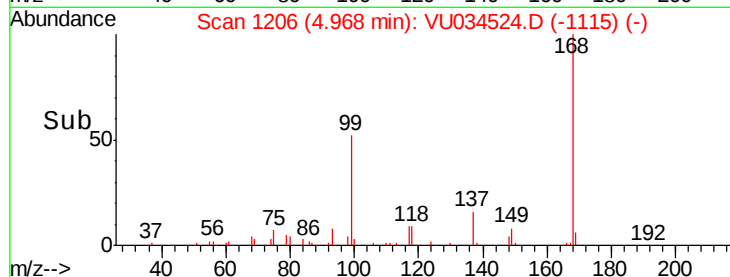
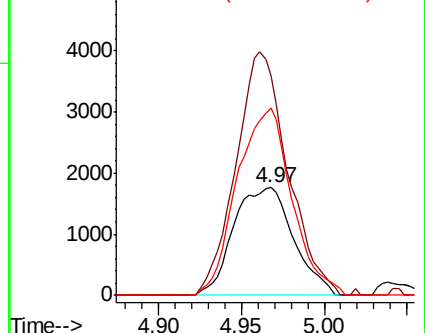
84 174.6 68.2 102.4#



Abundance Ion 56.00 (55.70 to 56.70): VU034524.D (-1188) (-)

Ion 69.00 (68.70 to 69.70): VU034524.D (-1188) (-)

Ion 84.00 (83.70 to 84.70): VU034524.D (-1188) (-)



#33

1,2-Dichloroethane-d4

Concen: 57.410 ug/l

RT: 5.29 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU034524.D

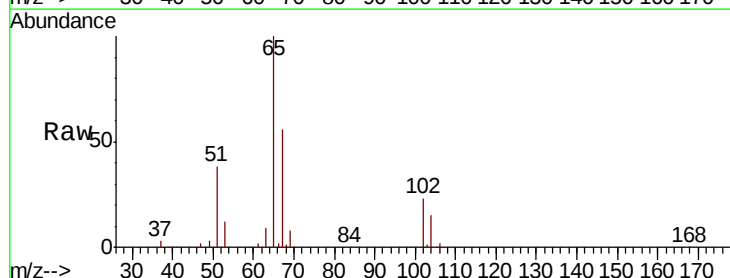
Acq: 12 Sep 2019 16:51

Tgt Ion: 65 Resp: 225677

Ion Ratio Lower Upper

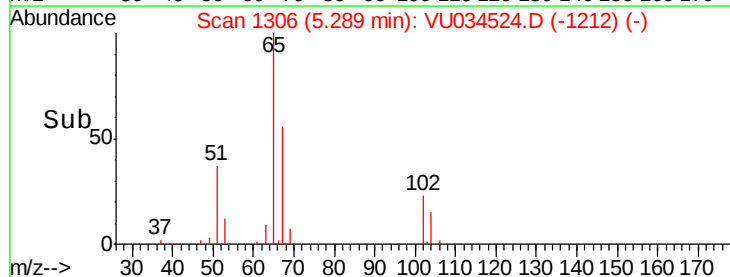
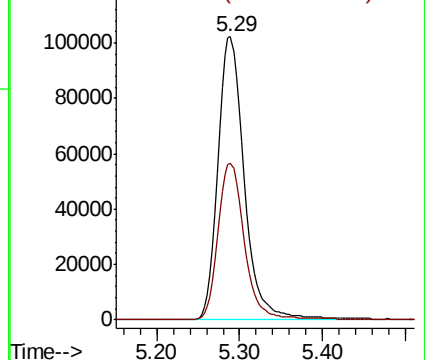
65 100

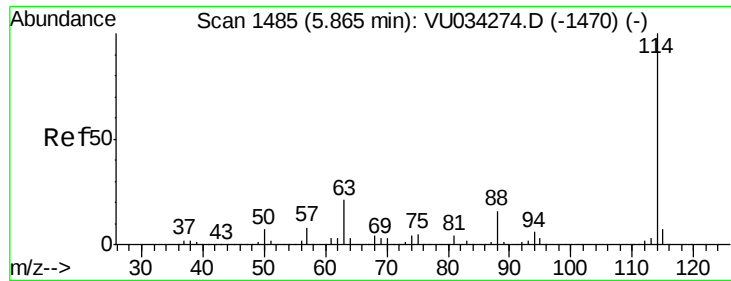
67 55.2 0.0 112.4



Abundance Ion 64.90 (64.60 to 65.60): VU034524.D (-1212) (-)

Ion 66.90 (66.60 to 67.60): VU034524.D (-1212) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.87 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VU034524.D

Acq: 12 Sep 2019 16:51

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW05D-M27W1-090519

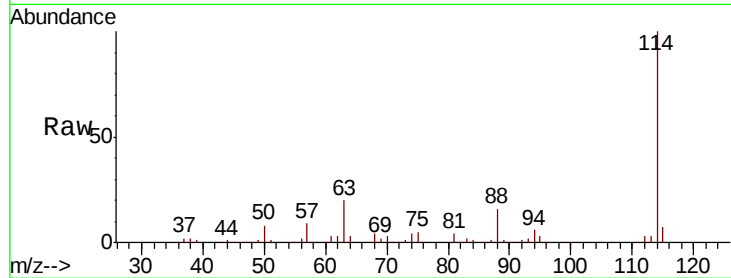
Tgt Ion:114 Resp: 392867

Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.4

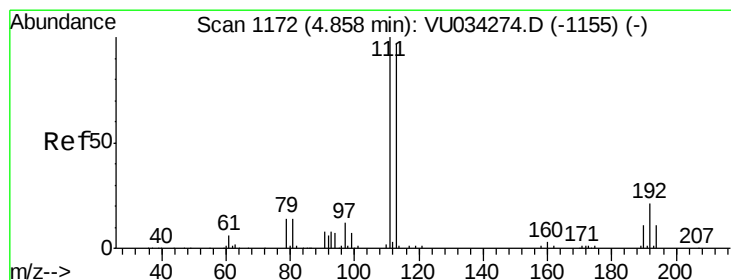
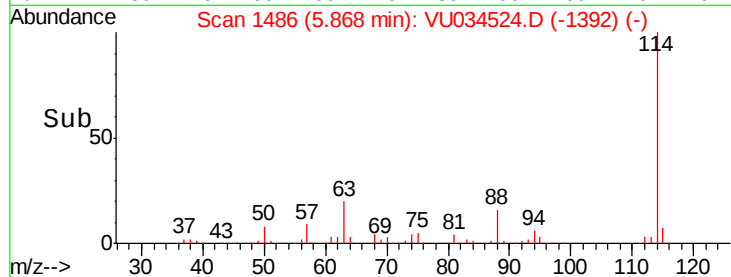
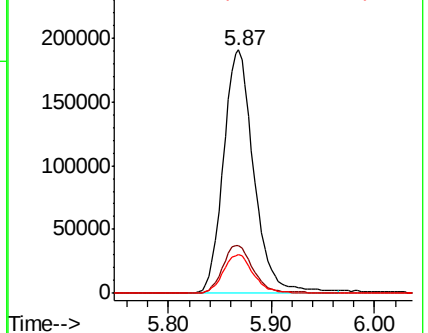
88 15.8 0.0 32.4



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: 53.018 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034524.D

Acq: 12 Sep 2019 16:51

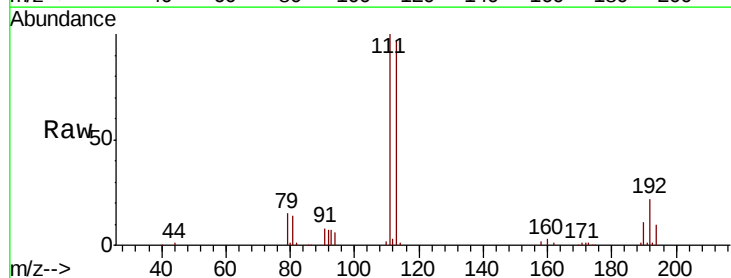
Tgt Ion:113 Resp: 193813

Ion Ratio Lower Upper

113 100

111 102.5 81.5 122.3

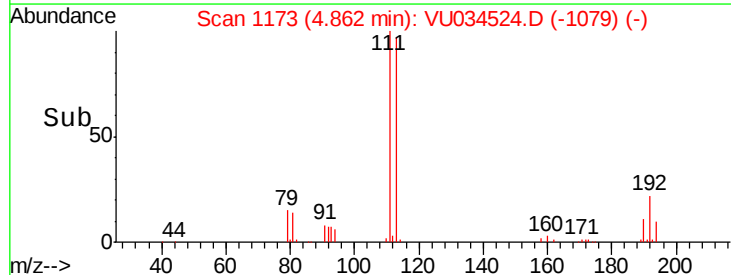
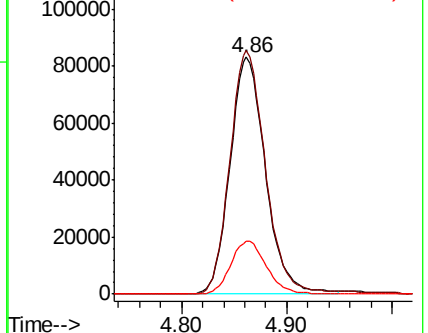
192 22.4 17.8 26.8

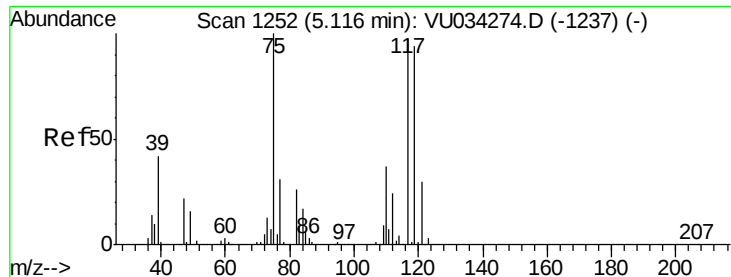


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

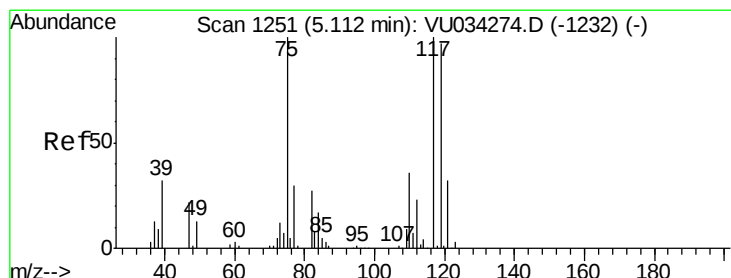
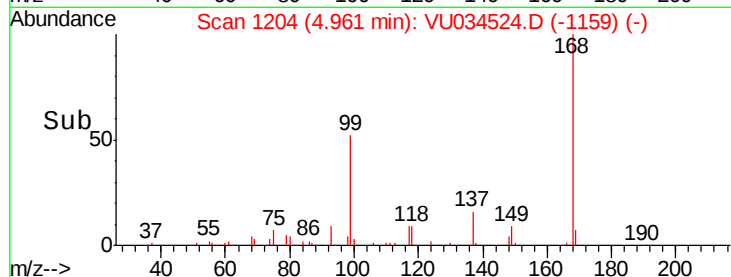
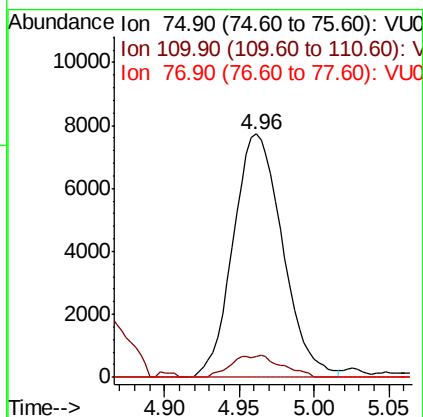
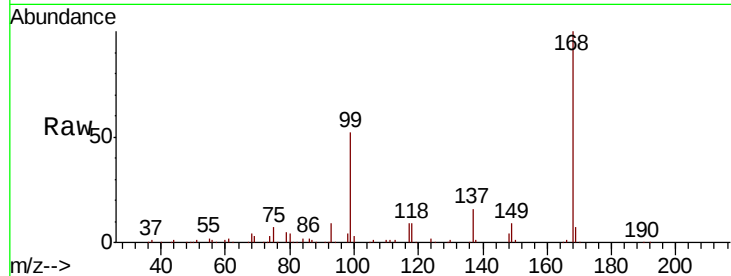




#36
 1,1-Dichloropropene
 Concen: 4.170 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034524.D
 Acq: 12 Sep 2019 16:51

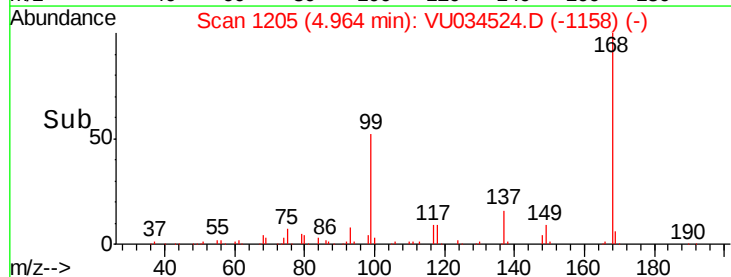
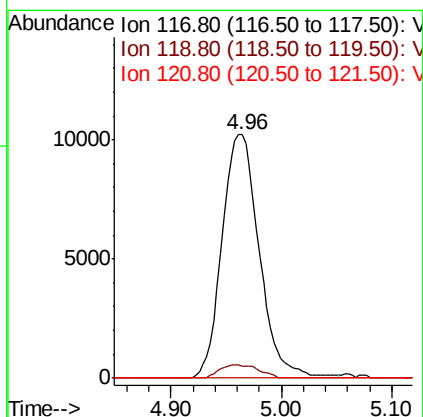
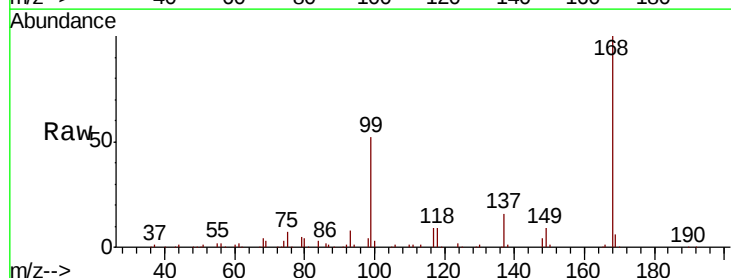
Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW05D-M27W1-090519

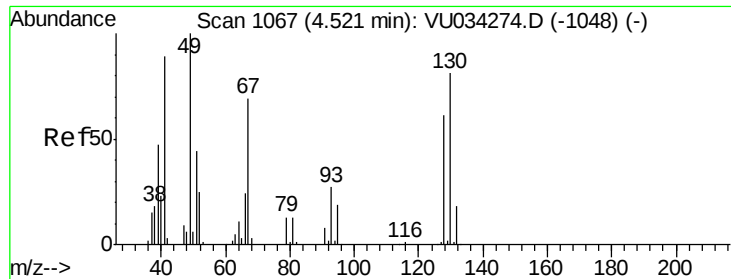
Tgt Ion: 75 Resp: 17769
 Ion Ratio Lower Upper
 75 100
 110 4.0 18.3 54.9#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 5.263 ug/l
 RT: 4.96 min Scan# 1205
 Delta R.T. -0.15 min
 Lab File: VU034524.D
 Acq: 12 Sep 2019 16:51

Tgt Ion: 117 Resp: 23944
 Ion Ratio Lower Upper
 117 100
 119 5.0 77.8 116.6#
 121 0.0 25.2 37.8#

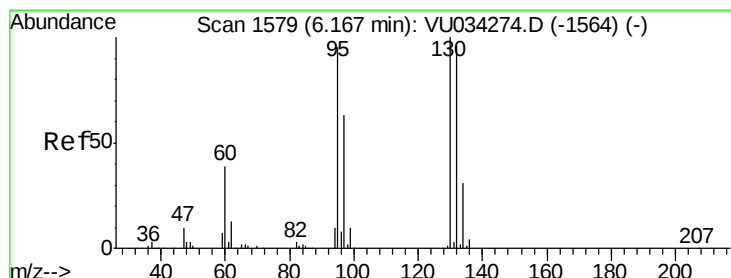
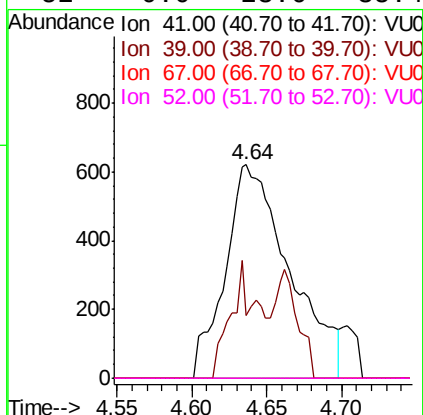
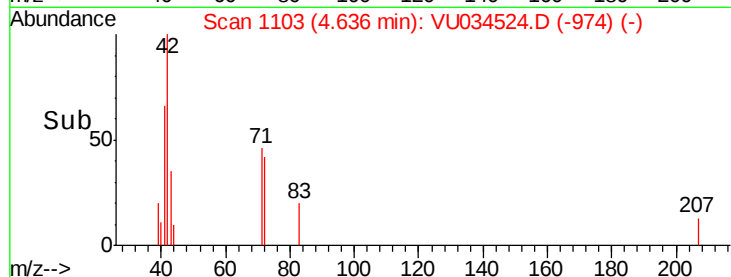
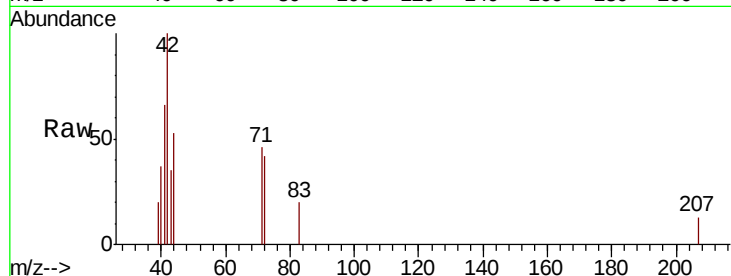




#41
Methacrylonitrile
Concen: 0.694 ug/l
RT: 4.64 min Scan# 1103
Delta R.T. 0.12 min
Lab File: VU034524.D
Acq: 12 Sep 2019 16:51

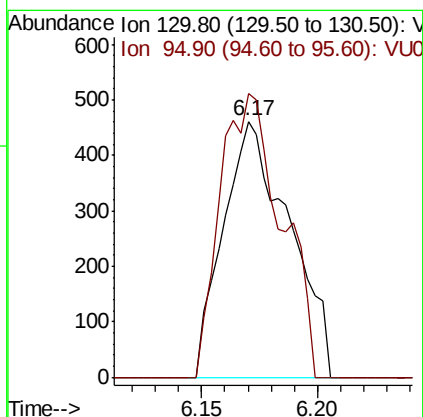
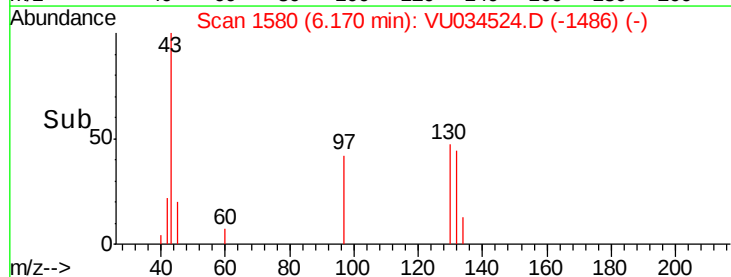
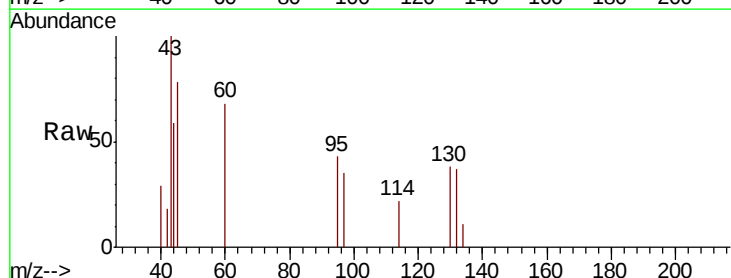
Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW05D-M27W1-090519

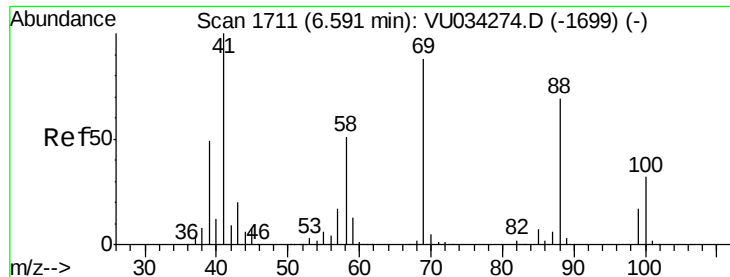
Tgt Ion: 41 Resp: 1862
Ion Ratio Lower Upper
41 100
39 15.6 41.0 61.4#
67 0.0 62.4 93.6#
52 0.0 23.6 35.4#



#44
Trichloroethene
Concen: 0.240 ug/l
RT: 6.17 min Scan# 1580
Delta R.T. 0.00 min
Lab File: VU034524.D
Acq: 12 Sep 2019 16:51

Tgt Ion: 130 Resp: 912
Ion Ratio Lower Upper
130 100
95 110.8 0.0 189.2

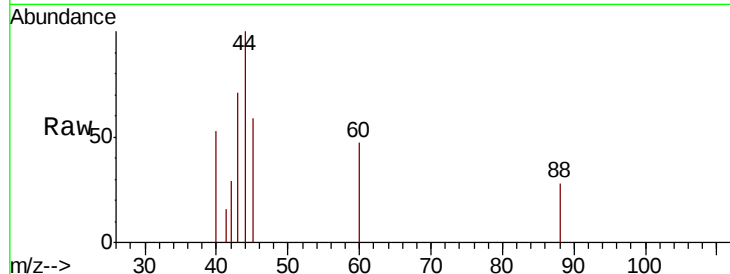




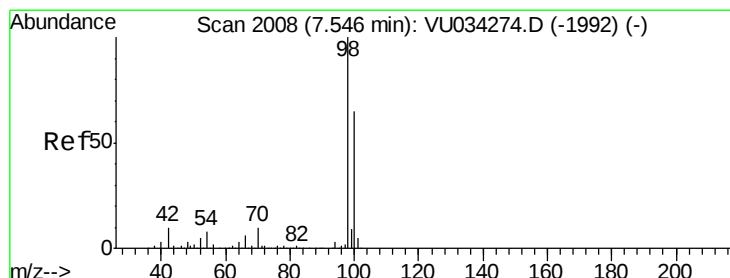
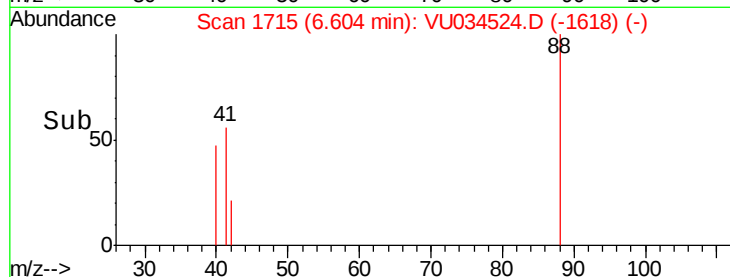
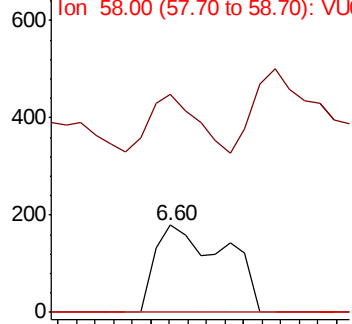
#49
1,4-Dioxane
Concen: 2.307 ug/l
RT: 6.60 min Scan# 1715
Delta R.T. 0.01 min
Lab File: VU034524.D
Acq: 12 Sep 2019 16:51

Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW05D-M27W1-090519

Tgt Ion: 88 Resp: 188
Ion Ratio Lower Upper
88 100
43 45.2 23.8 35.6#
58 0.0 58.4 87.6#

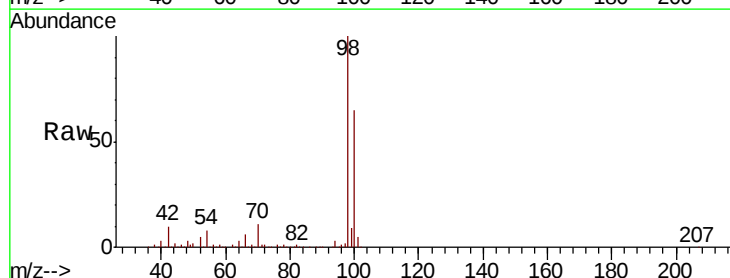


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

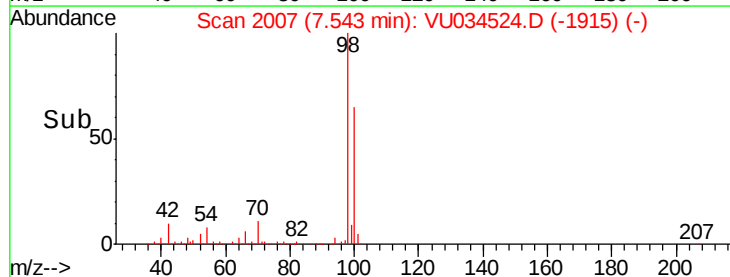
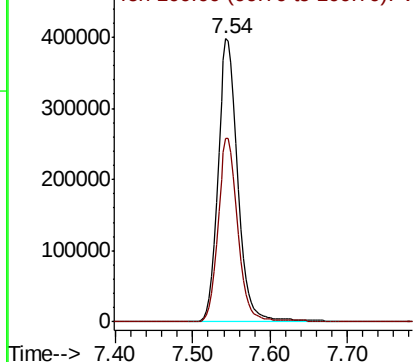


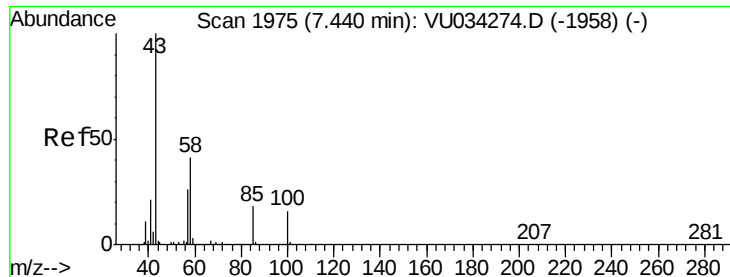
#50
Toluene-d8
Concen: 52.226 ug/l
RT: 7.54 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VU034524.D
Acq: 12 Sep 2019 16:51

Tgt Ion: 98 Resp: 717290
Ion Ratio Lower Upper
98 100
100 64.9 51.7 77.5



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





#51

4-Methyl-2-Pentanone

Concen: 0.771 ug/l

RT: 7.45 min Scan# 1978

Delta R.T. 0.01 min

Lab File: VU034524.D

Acq: 12 Sep 2019 16:51

Instrument :

MSVOA_U

ClientSampleId :

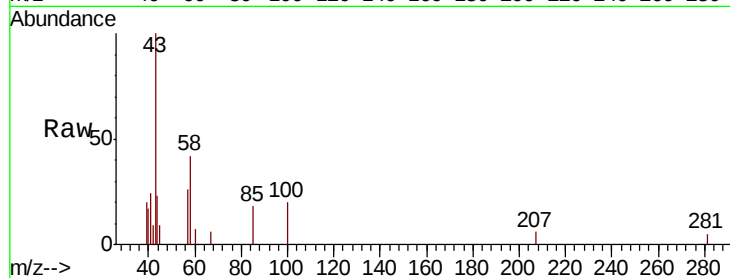
CPA-CPMW05D-M27W1-090519

Tgt Ion: 43 Resp: 4192

Ion Ratio Lower Upper

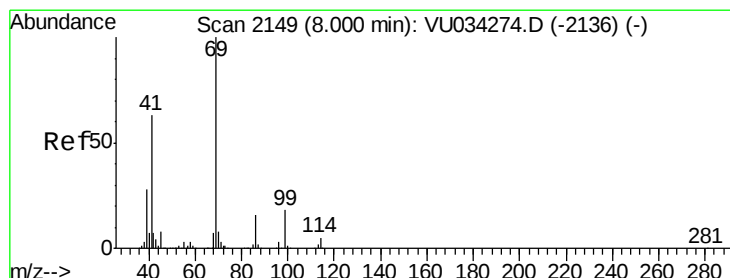
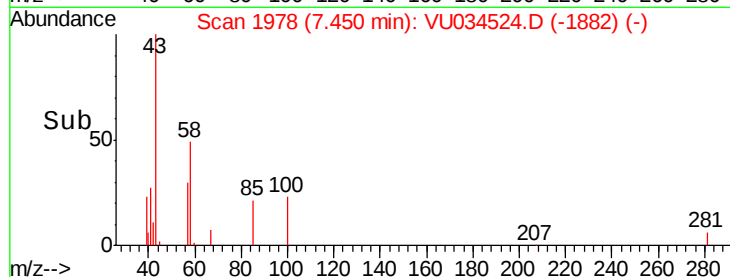
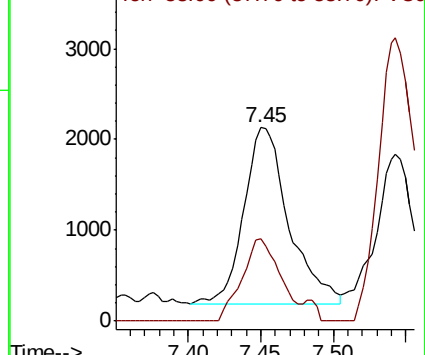
43 100

58 39.0 33.0 49.4



Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-1958) (-)

Ion 58.00 (57.70 to 58.70): VU034274.D (-1958) (-)



#56

Ethyl methacrylate

Concen: 3.125 ug/l

RT: 8.02 min Scan# 2155

Delta R.T. 0.02 min

Lab File: VU034524.D

Acq: 12 Sep 2019 16:51

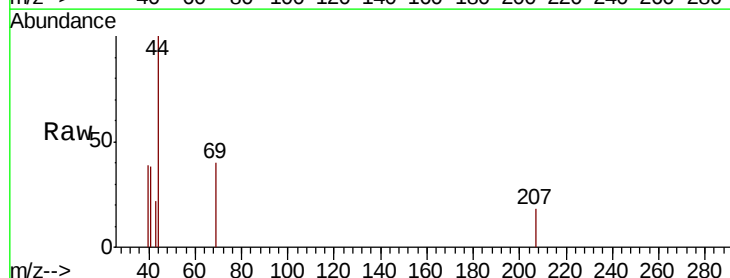
Tgt Ion: 69 Resp: 309

Ion Ratio Lower Upper

69 100

41 134.3 49.5 74.3#

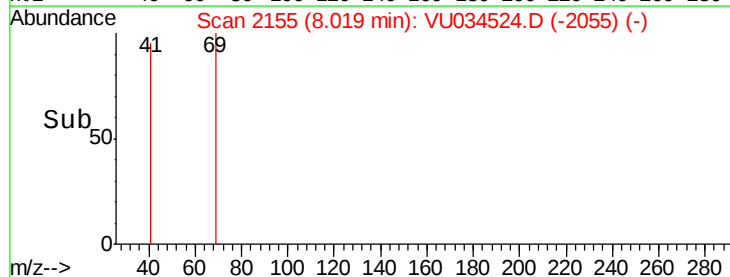
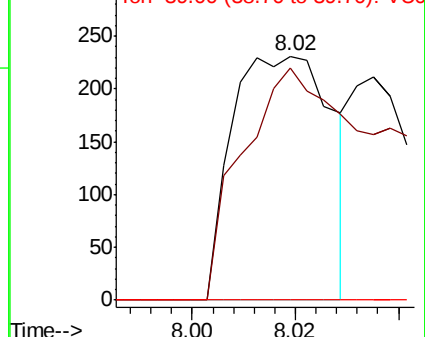
39 0.0 22.5 33.7#

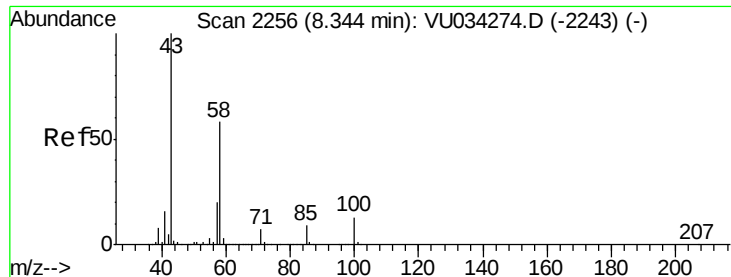


Abundance Ion 69.00 (68.70 to 69.70): VU034274.D (-2136) (-)

Ion 41.00 (40.70 to 41.70): VU034274.D (-2136) (-)

Ion 39.00 (38.70 to 39.70): VU034274.D (-2136) (-)

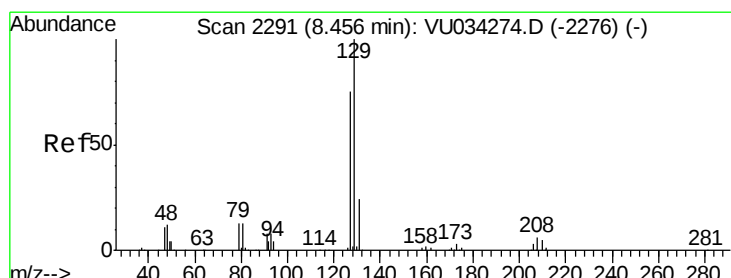
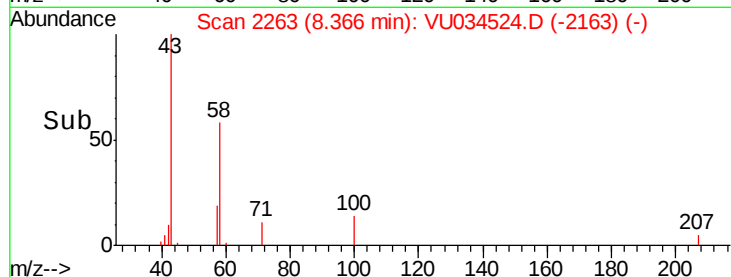
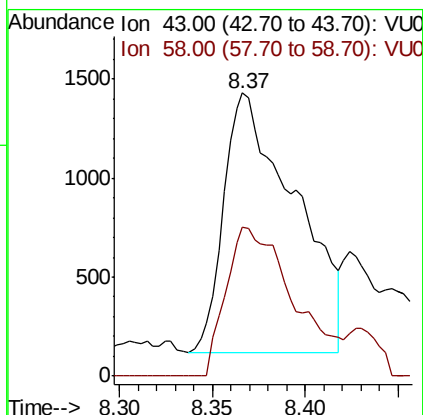
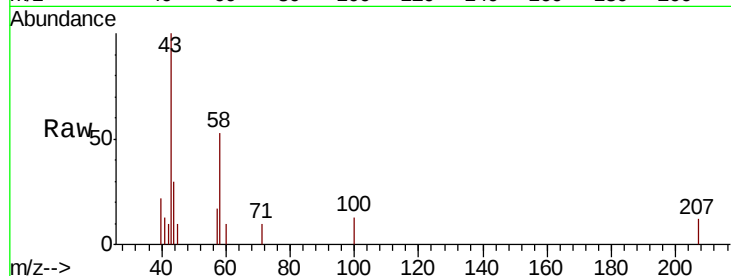




#59
2-Hexanone
Concen: 0.865 ug/l
RT: 8.37 min Scan# 2263
Delta R.T. 0.02 min
Lab File: VU034524.D
Acq: 12 Sep 2019 16:51

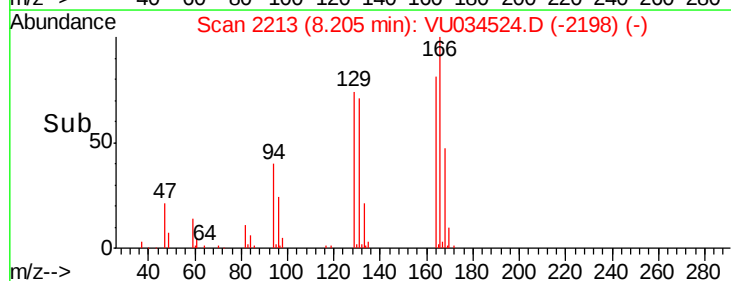
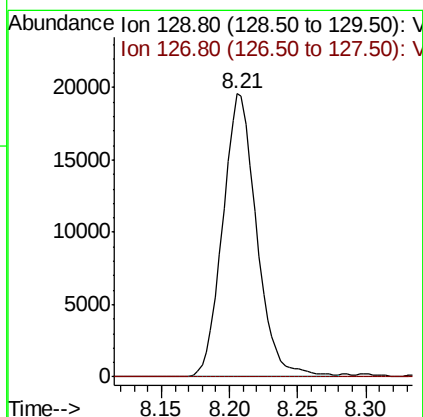
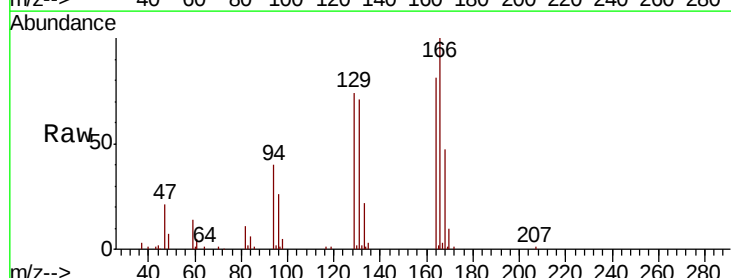
Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW05D-M27W1-090519

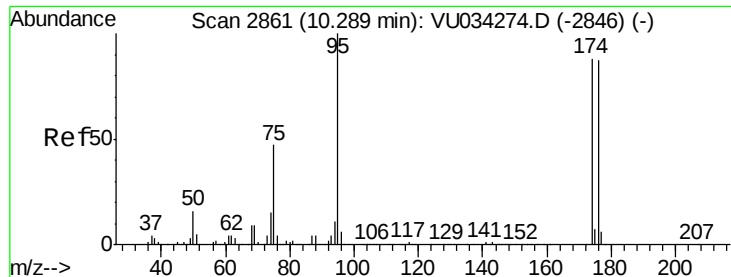
Tgt Ion: 43 Resp: 3514
Ion Ratio Lower Upper
43 100
58 54.9 28.8 86.5



#60
Dibromochloromethane
Concen: 8.074 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.25 min
Lab File: VU034524.D
Acq: 12 Sep 2019 16:51

Tgt Ion: 129 Resp: 33913
Ion Ratio Lower Upper
129 100
127 0.0 37.9 113.7#





#62

4-Bromofluorobenzene

Concen: 45.790 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034524.D

Acq: 12 Sep 2019 16:51

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW05D-M27W1-090519

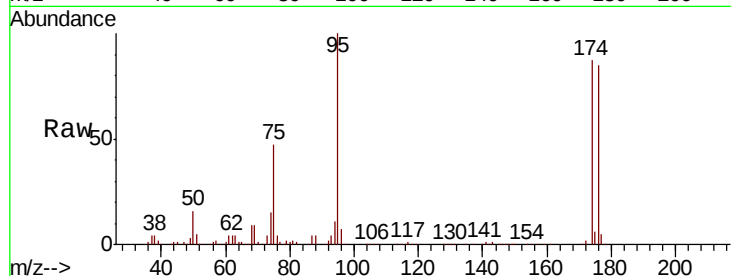
Tgt Ion: 95 Resp: 242812

Ion Ratio Lower Upper

95 100

174 88.8 0.0 175.2

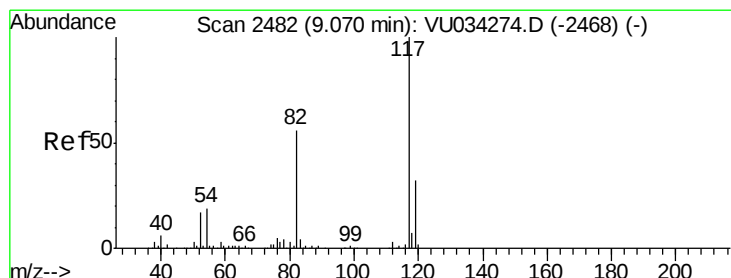
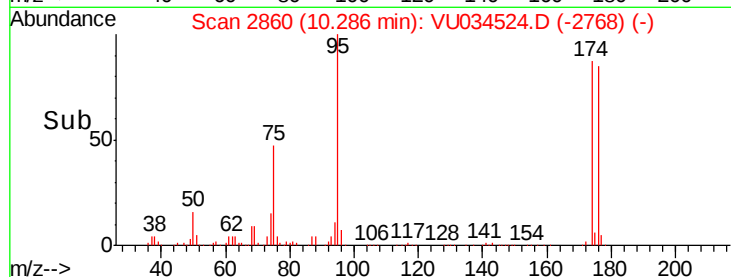
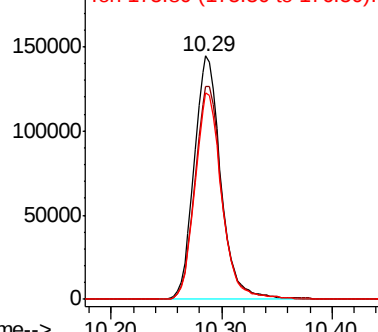
176 85.1 0.0 168.0



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# 2481

Delta R.T. -0.00 min

Lab File: VU034524.D

Acq: 12 Sep 2019 16:51

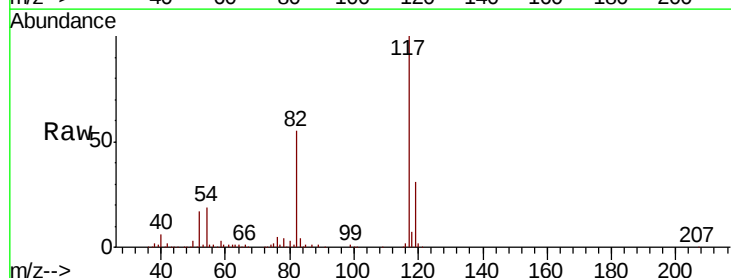
Tgt Ion: 117 Resp: 395880

Ion Ratio Lower Upper

117 100

82 55.3 44.6 67.0

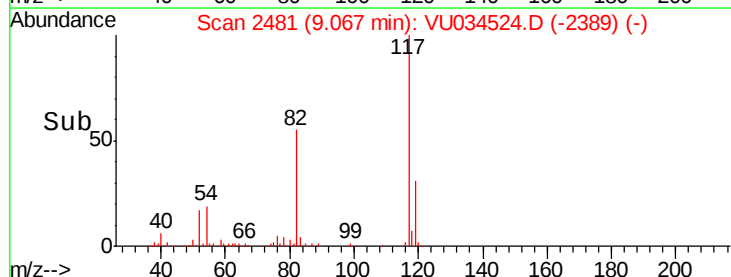
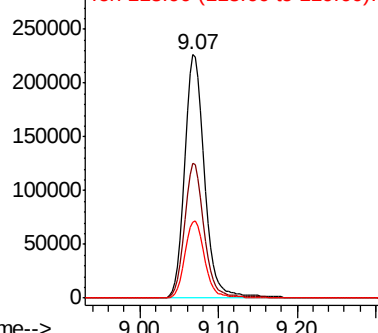
119 31.4 25.9 38.9

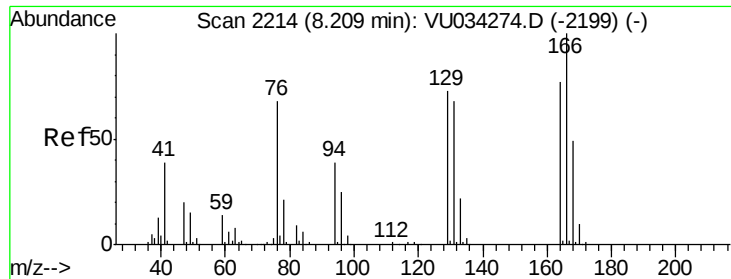


Abundance Ion 116.90 (116.60 to 117.60): VU034274.D (-2468) (-)

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

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

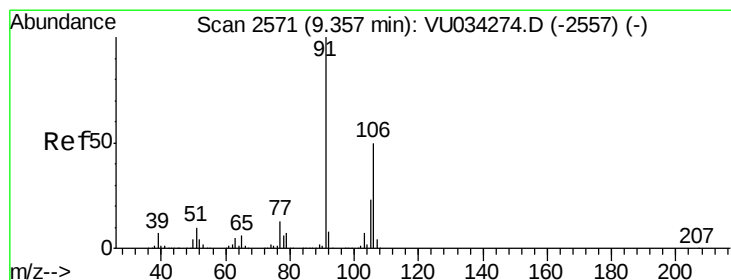
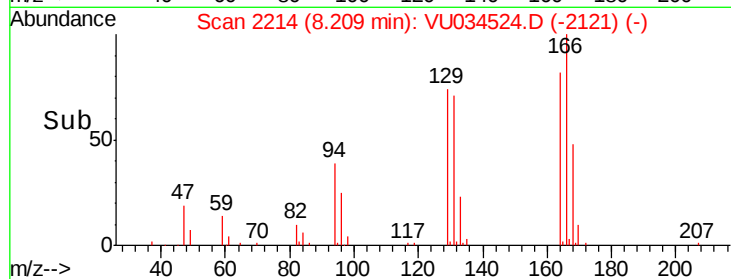
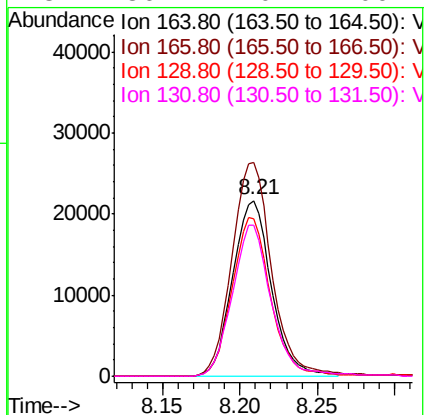
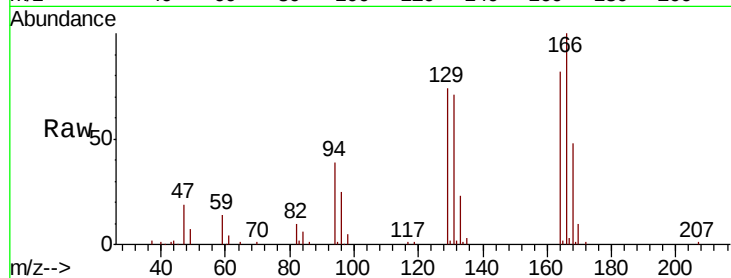




#64
Tetrachloroethene
Concen: 10.985 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VU034524.D
Acq: 12 Sep 2019 16:51

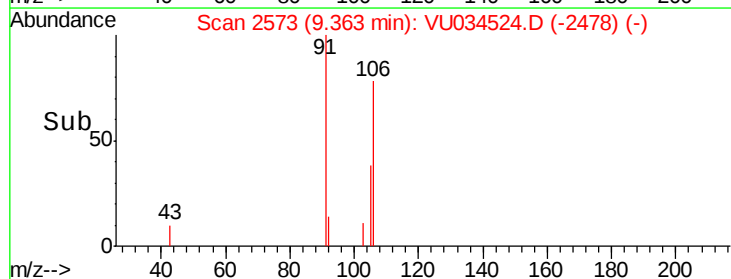
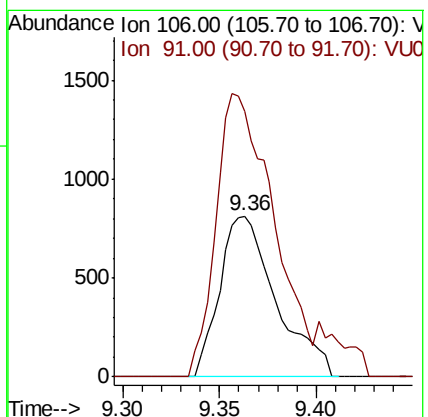
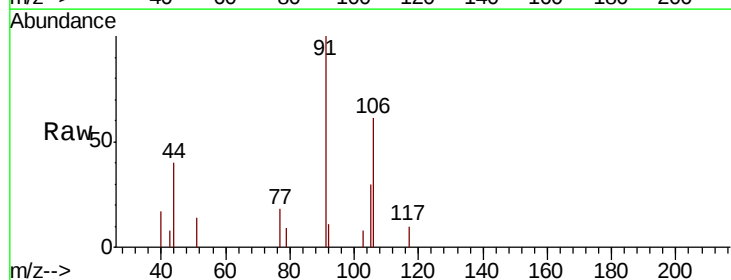
Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW05D-M27W1-090519

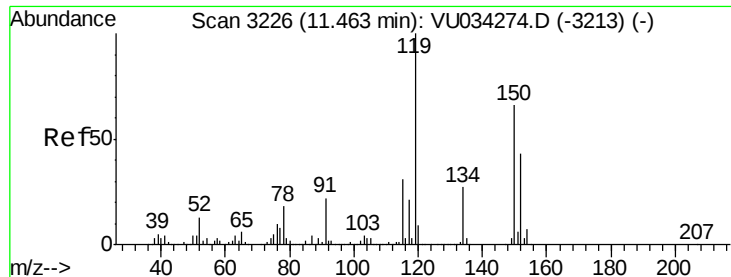
Tgt Ion:164 Resp: 37727
Ion Ratio Lower Upper
164 100
166 121.7 103.7 155.5
129 89.8 75.8 113.8
131 86.4 70.7 106.1



#68
m/p-Xylenes
Concen: 0.267 ug/l
RT: 9.36 min Scan# 2573
Delta R.T. 0.01 min
Lab File: VU034524.D
Acq: 12 Sep 2019 16:51

Tgt Ion:106 Resp: 1650
Ion Ratio Lower Upper
106 100
91 179.0 160.1 240.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3226

Delta R.T. -0.00 min

Lab File: VU034524.D

Acq: 12 Sep 2019 16:51

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW05D-M27W1-090519

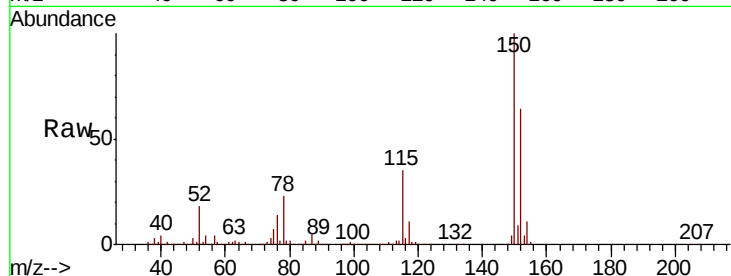
Tgt Ion:152 Resp: 228994

Ion Ratio Lower Upper

152 100

115 56.0 39.1 117.3

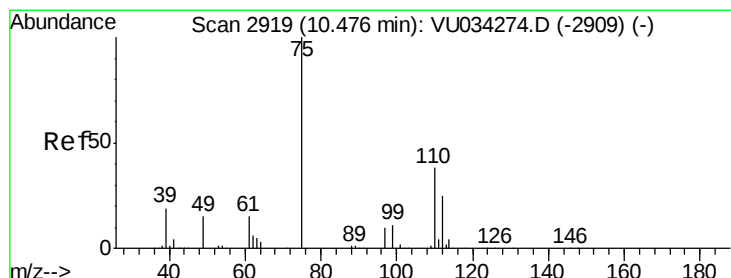
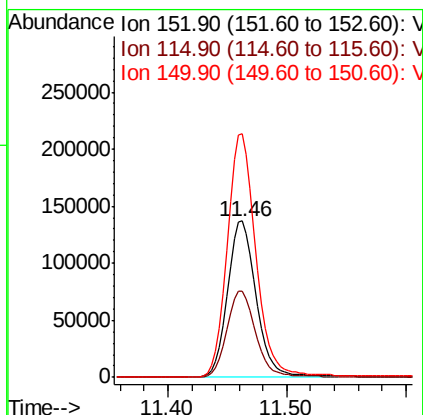
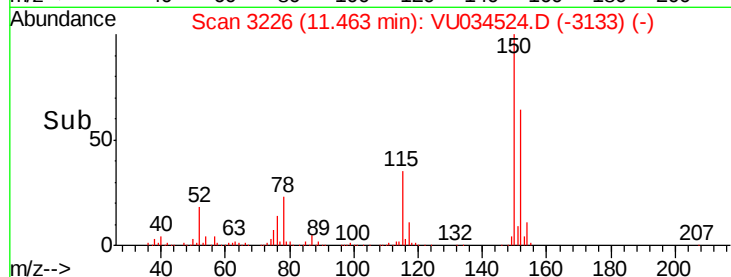
150 156.6 0.0 345.4



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: 22.729 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.19 min

Lab File: VU034524.D

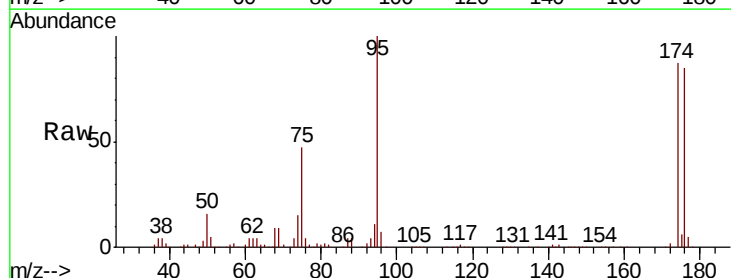
Acq: 12 Sep 2019 16:51

Tgt Ion: 75 Resp: 113614

Ion Ratio Lower Upper

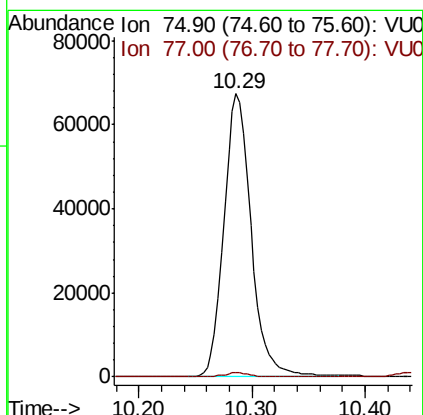
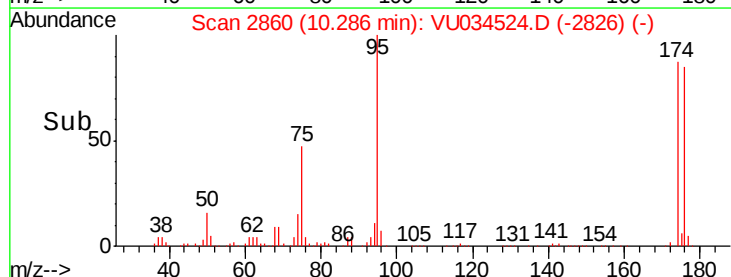
75 100

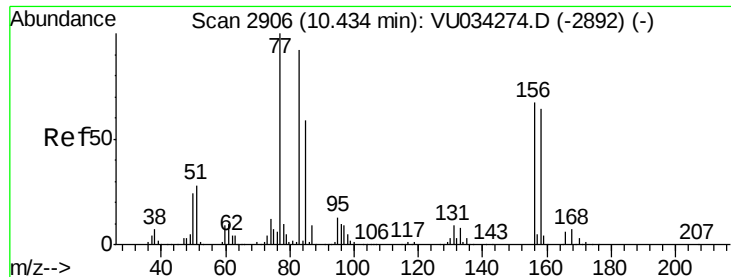
77 1.4 20.8 62.2#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 0.246 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034524.D

Acq: 12 Sep 2019 16:51

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW05D-M27W1-090519

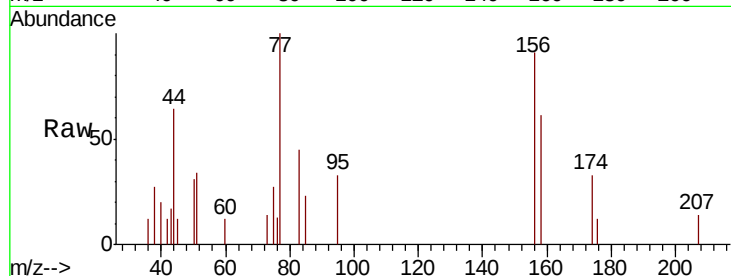
Tgt Ion: 156 Resp: 1023

Ion Ratio Lower Upper

156 100

77 165.0 75.6 226.9

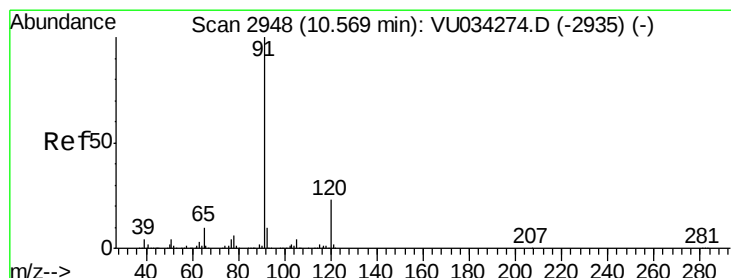
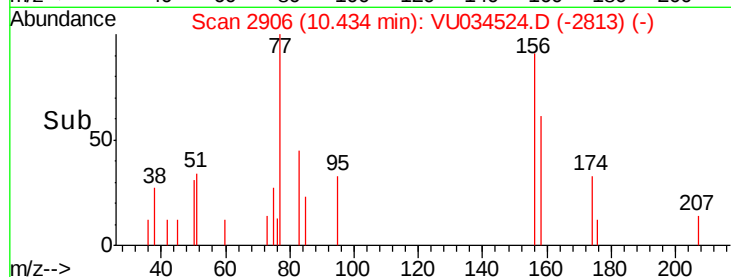
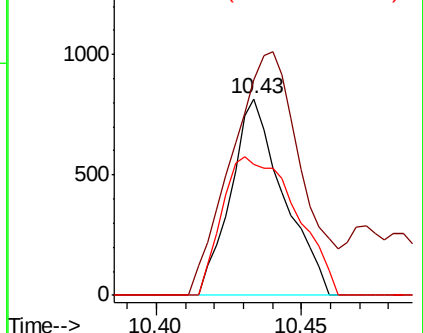
158 99.3 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.241 ug/l

RT: 10.57 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU034524.D

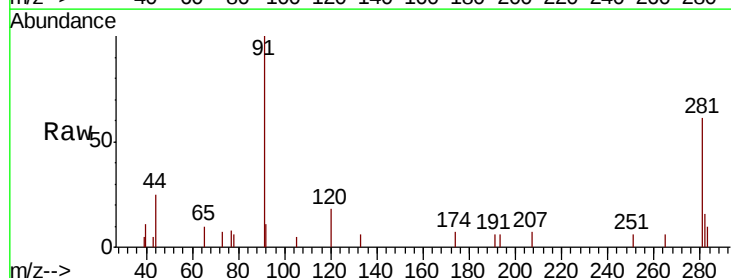
Acq: 12 Sep 2019 16:51

Tgt Ion: 91 Resp: 4147

Ion Ratio Lower Upper

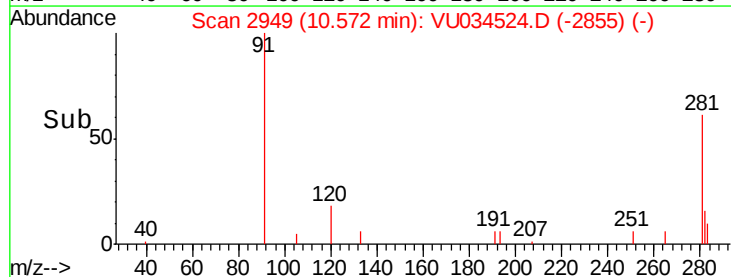
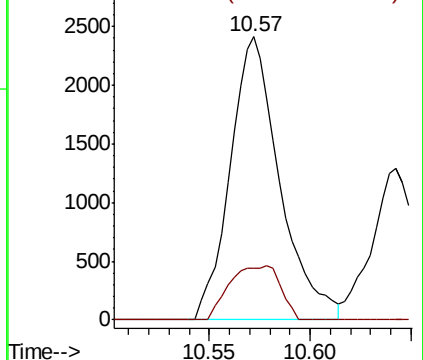
91 100

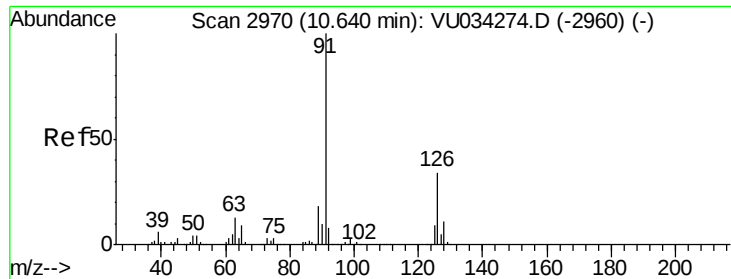
120 19.7 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.224 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. 0.00 min

Lab File: VU034524.D

Acq: 12 Sep 2019 16:51

Instrument :

MSVOA_U

ClientSampleId :

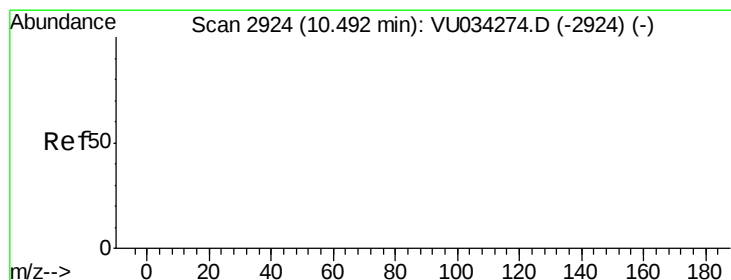
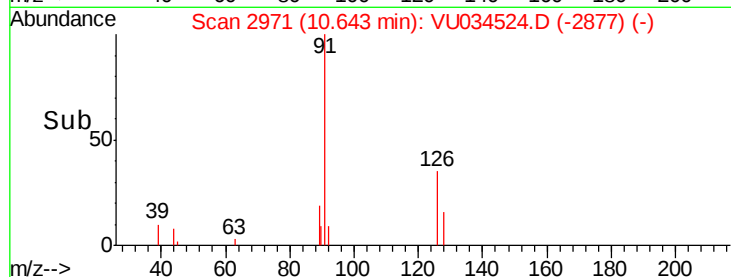
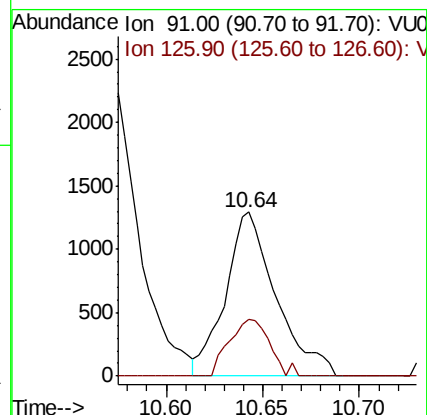
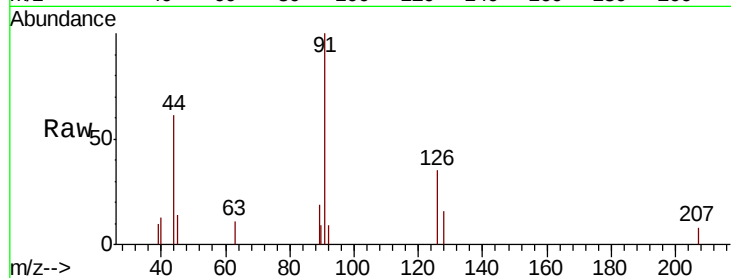
CPA-CPMW05D-M27W1-090519

Tgt Ion: 91 Resp: 2348

Ion Ratio Lower Upper

91 100

126 27.7 17.3 51.9



#81

trans-1,4-Dichloro-2-butene

Concen: 76.438 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.21 min

Lab File: VU034524.D

Acq: 12 Sep 2019 16:51

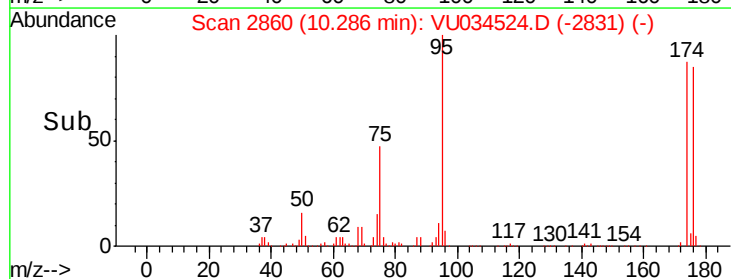
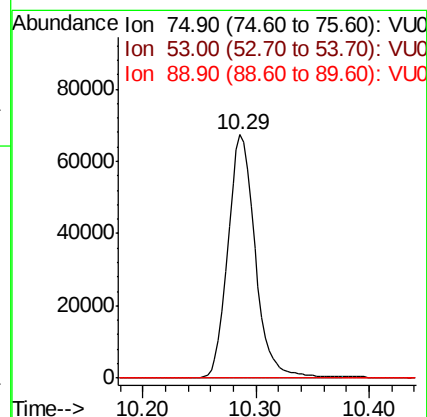
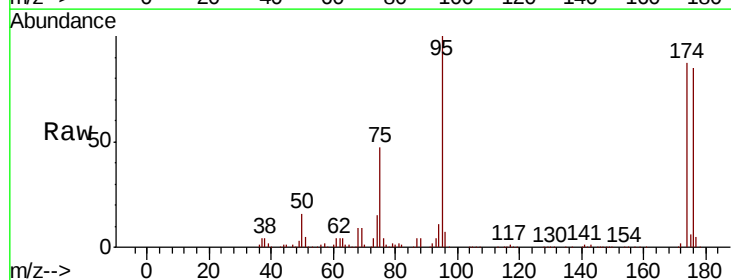
Tgt Ion: 75 Resp: 113614

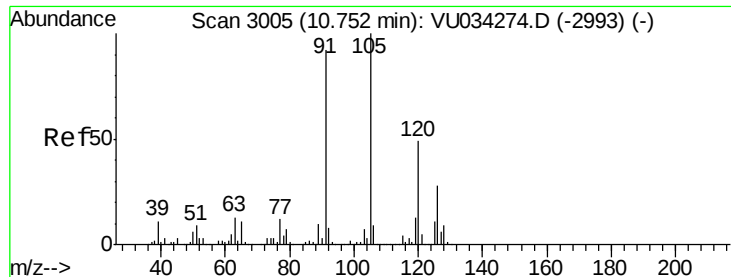
Ion Ratio Lower Upper

75 100

53 0.2 0.0 0.0#

89 0.0 0.0 0.0





#82

4-Chlorotoluene

Concen: 0.291 ug/l

RT: 10.76 min Scan# 3007

Delta R.T. 0.01 min

Lab File: VU034524.D

Acq: 12 Sep 2019 16:51

Instrument :

MSVOA_U

ClientSampleId :

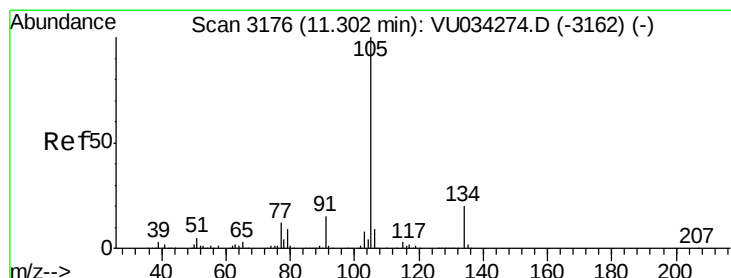
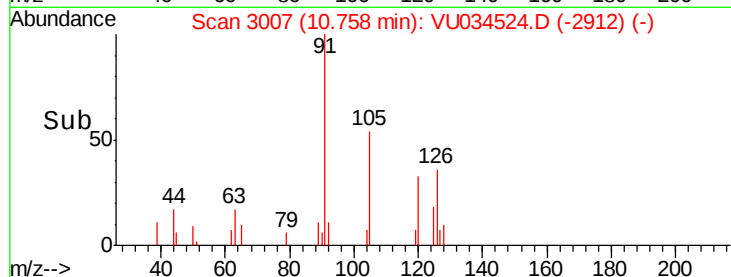
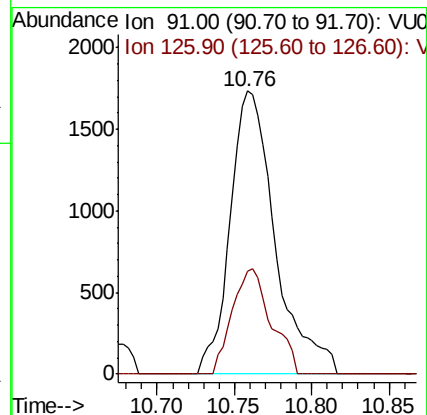
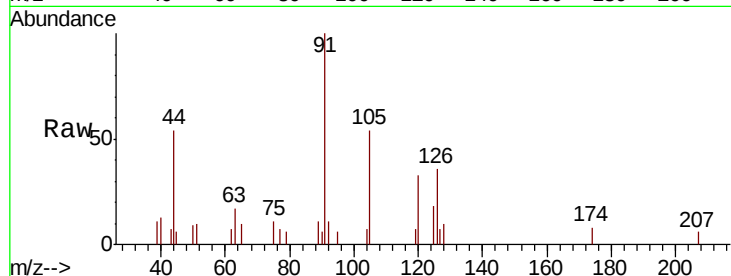
CPA-CPMW05D-M27W1-090519

Tgt Ion: 91 Resp: 3517

Ion Ratio Lower Upper

91 100

126 31.9 15.3 45.8



#85

sec-Butylbenzene

Concen: 0.204 ug/l

RT: 11.31 min Scan# 3177

Delta R.T. 0.00 min

Lab File: VU034524.D

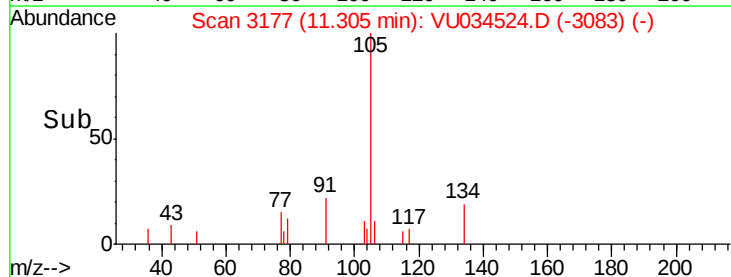
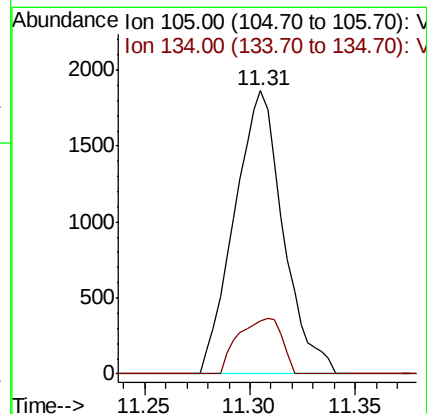
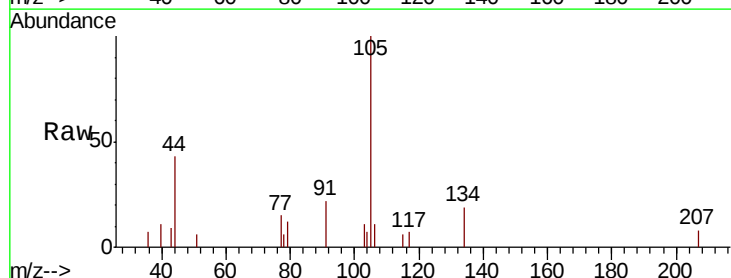
Acq: 12 Sep 2019 16:51

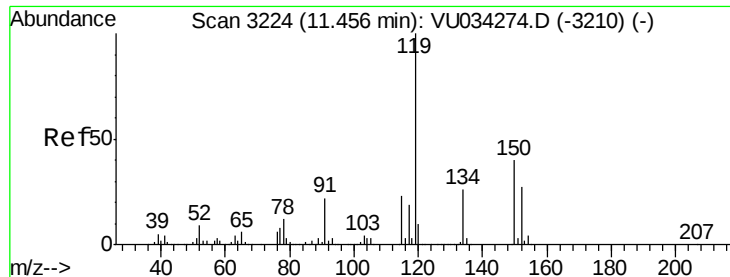
Tgt Ion: 105 Resp: 3006

Ion Ratio Lower Upper

105 100

134 17.4 10.1 30.3

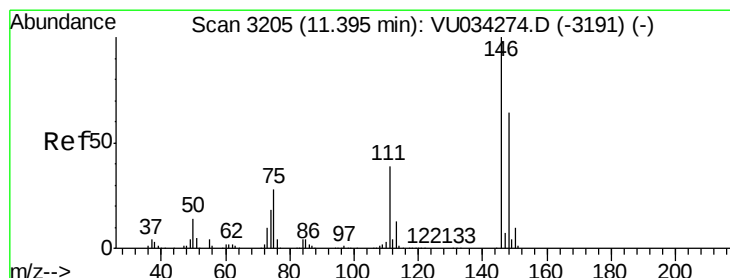
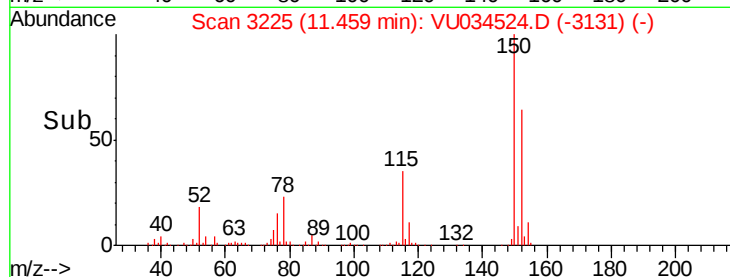
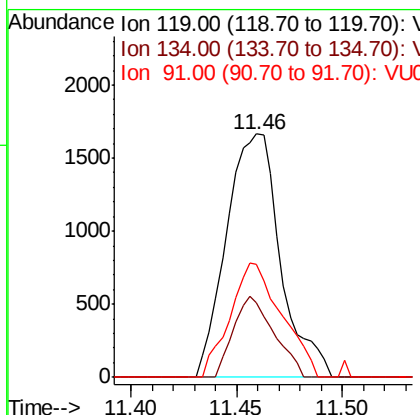
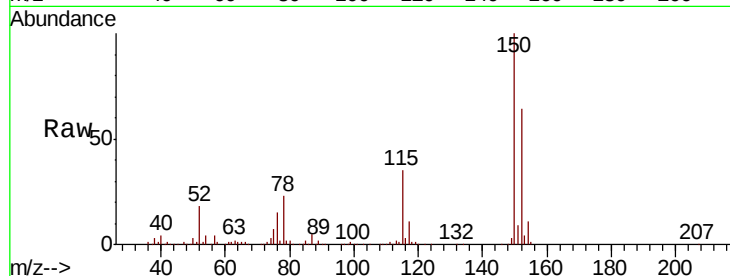




#86
 p-Isopropyltoluene
 Concen: 0.218 ug/l
 RT: 11.46 min Scan# 3225
 Delta R.T. 0.00 min
 Lab File: VU034524.D
 Acq: 12 Sep 2019 16:51

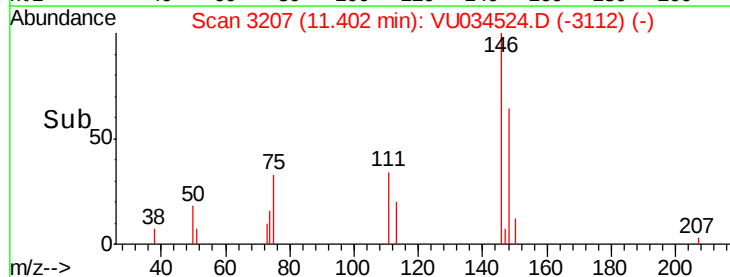
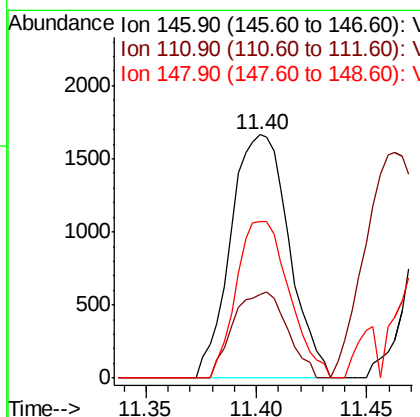
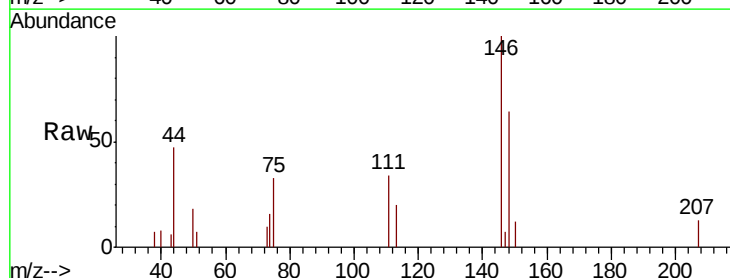
Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW05D-M27W1-090519

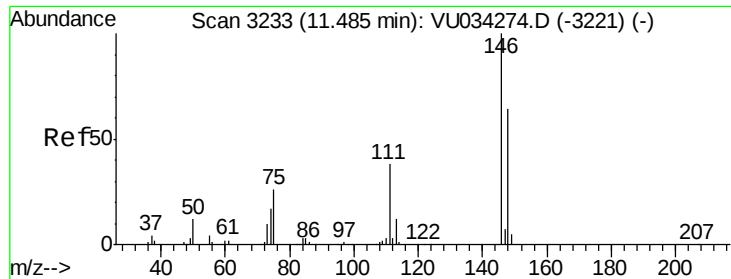
Tgt Ion:119 Resp: 2961
 Ion Ratio Lower Upper
 119 100
 134 25.0 13.3 39.8
 91 44.6 11.2 33.6#



#87
 1,3-Dichlorobenzene
 Concen: 0.401 ug/l
 RT: 11.40 min Scan# 3207
 Delta R.T. 0.01 min
 Lab File: VU034524.D
 Acq: 12 Sep 2019 16:51

Tgt Ion:146 Resp: 3050
 Ion Ratio Lower Upper
 146 100
 111 32.9 19.5 58.5
 148 58.6 32.1 96.3





#88

1,4-Dichlorobenzene

Concen: 0.385 ug/l

RT: 11.40 min Scan# 3207

Delta R.T. -0.08 min

Lab File: VU034524.D

Acq: 12 Sep 2019 16:51

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW05D-M27W1-090519

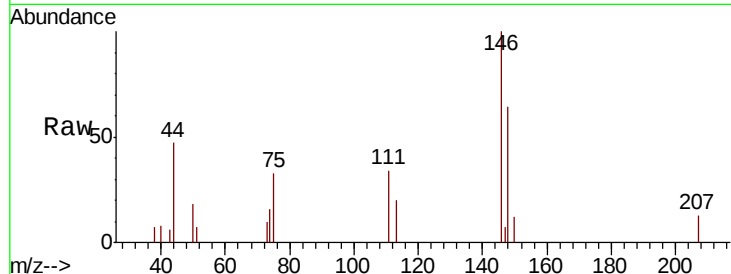
Tgt Ion:146 Resp: 3050

Ion Ratio Lower Upper

146 100

111 32.9 19.1 57.3

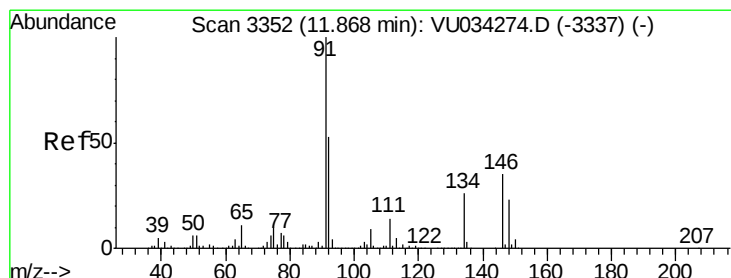
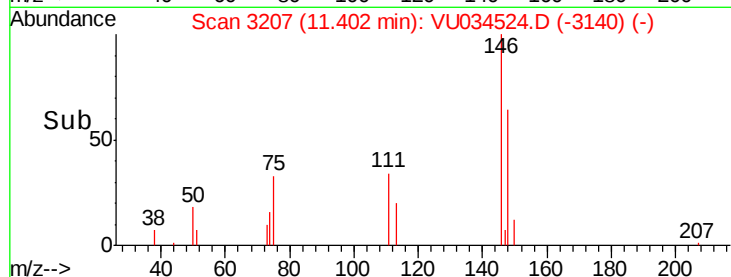
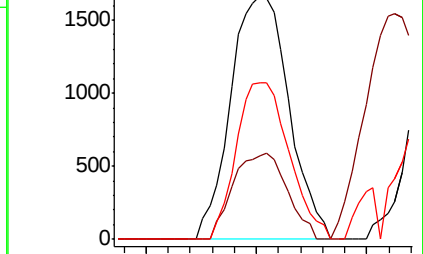
148 58.6 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.361 ug/l

RT: 11.87 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VU034524.D

Acq: 12 Sep 2019 16:51

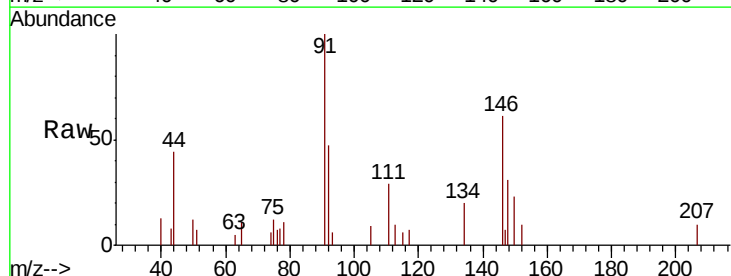
Tgt Ion: 91 Resp: 4265

Ion Ratio Lower Upper

91 100

92 48.2 26.5 79.4

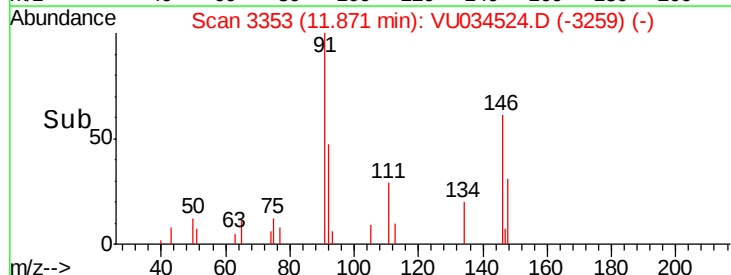
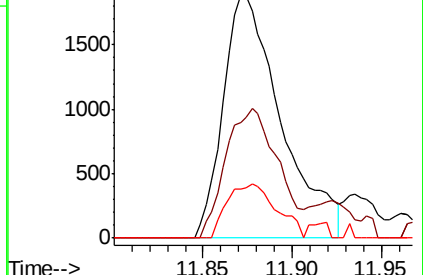
134 18.9 13.2 39.6

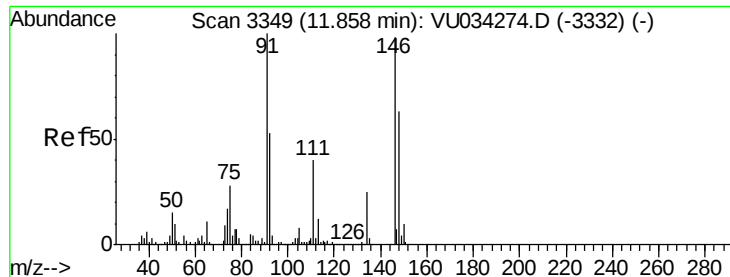


Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V





#91

1,2-Dichlorobenzene

Concen: 0.339 ug/l

RT: 11.86 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VU034524.D

Acq: 12 Sep 2019 16:51

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW05D-M27W1-090519

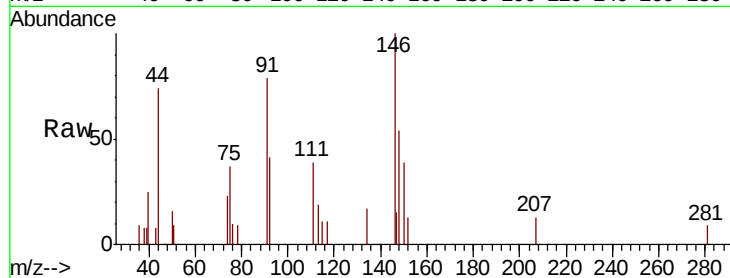
Tgt Ion: 146 Resp: 2531

Ion Ratio Lower Upper

146 100

111 44.2 20.0 60.0

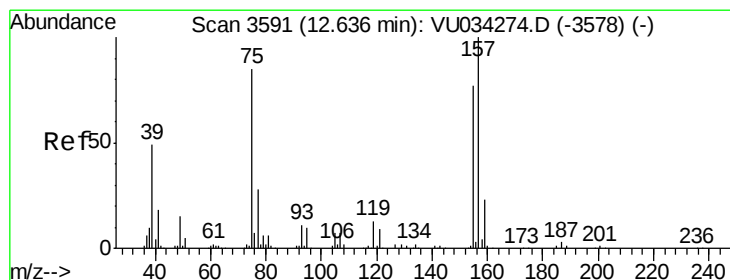
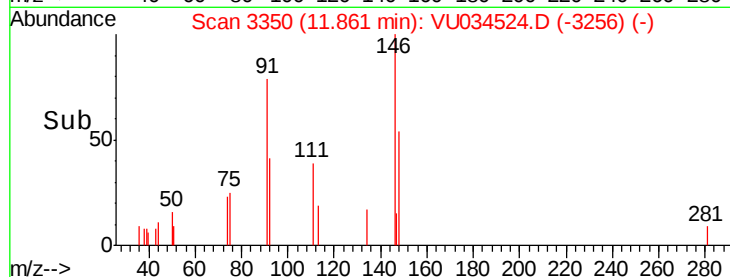
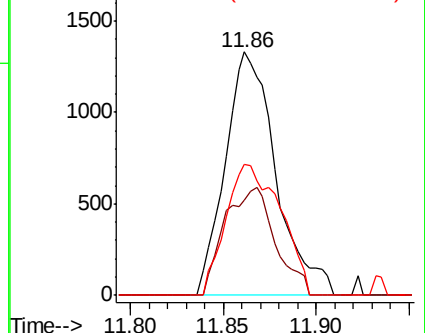
148 58.1 31.6 94.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.229 ug/l

RT: 12.65 min Scan# 3596

Delta R.T. 0.02 min

Lab File: VU034524.D

Acq: 12 Sep 2019 16:51

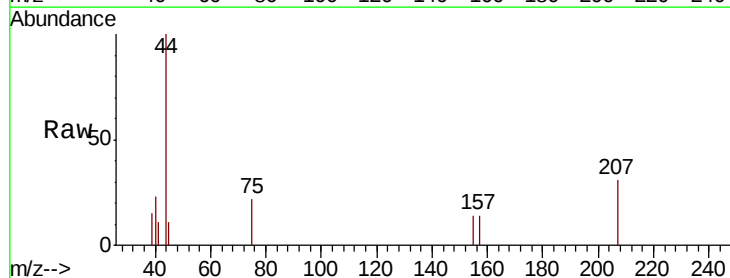
Tgt Ion: 75 Resp: 254

Ion Ratio Lower Upper

75 100

155 27.6 44.6 134.0#

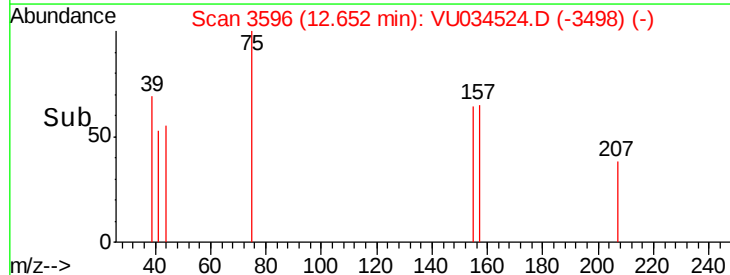
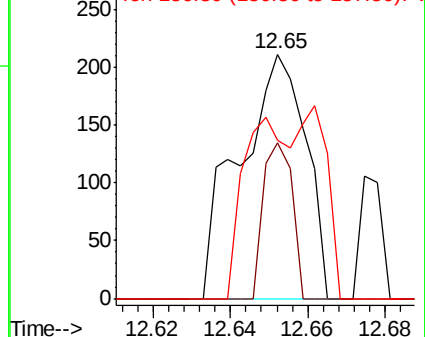
157 51.2 58.2 174.6#

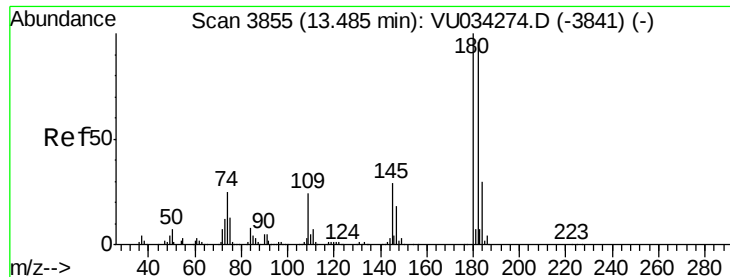


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

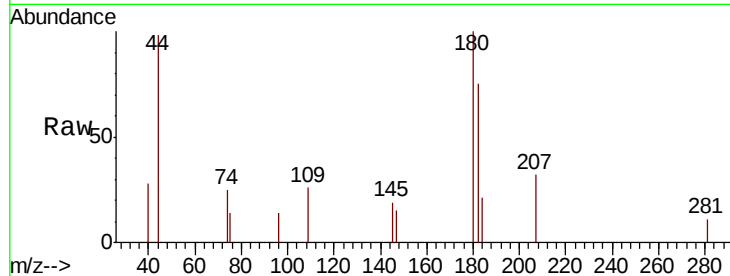




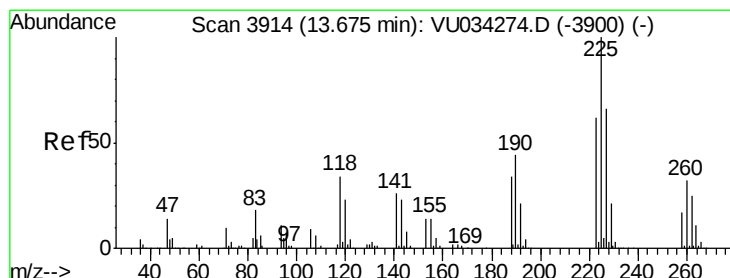
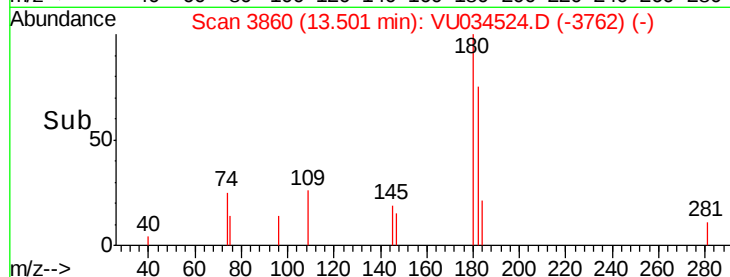
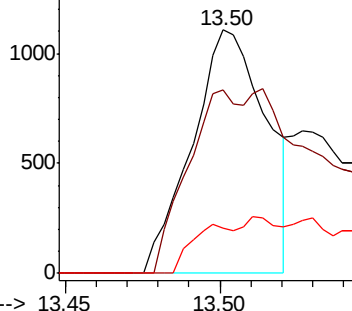
#93
 1,2,4-Trichlorobenzene
 Concen: 3.769 ug/l
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.02 min
 Lab File: VU034524.D
 Acq: 12 Sep 2019 16:51

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW05D-M27W1-090519

Tgt Ion:180 Resp: 1847
 Ion Ratio Lower Upper
 180 100
 182 56.1 47.9 143.8
 145 11.3 14.4 43.0#

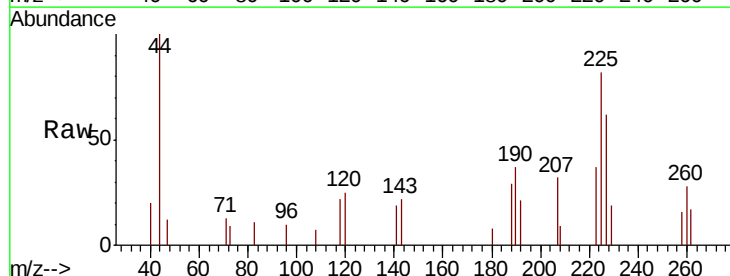


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

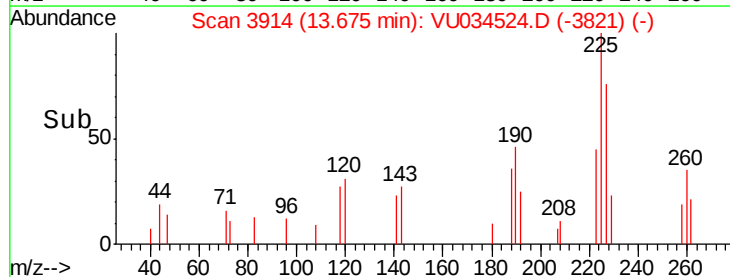
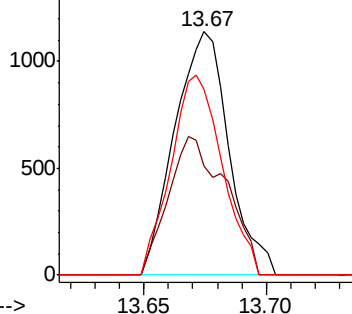


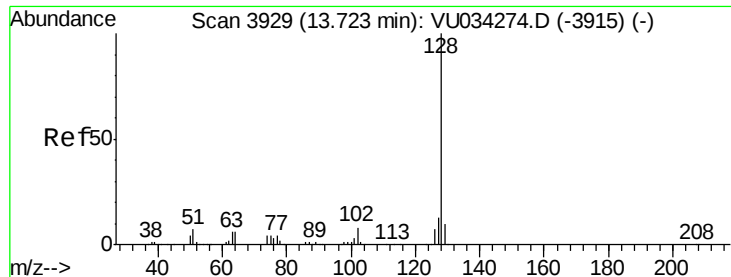
#94
 Hexachlorobutadiene
 Concen: 0.672 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. -0.00 min
 Lab File: VU034524.D
 Acq: 12 Sep 2019 16:51

Tgt Ion:225 Resp: 1756
 Ion Ratio Lower Upper
 225 100
 223 60.9 31.6 94.7
 227 78.1 32.3 96.8



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

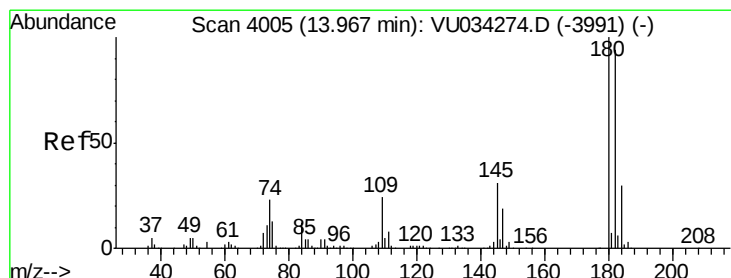
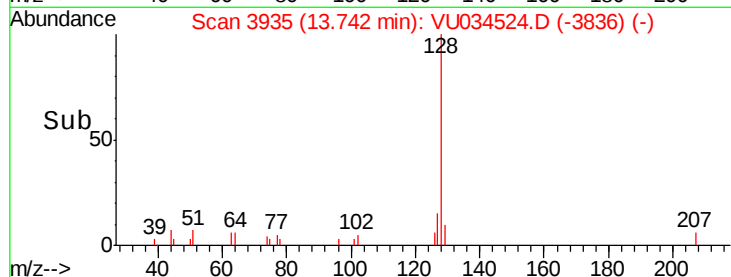
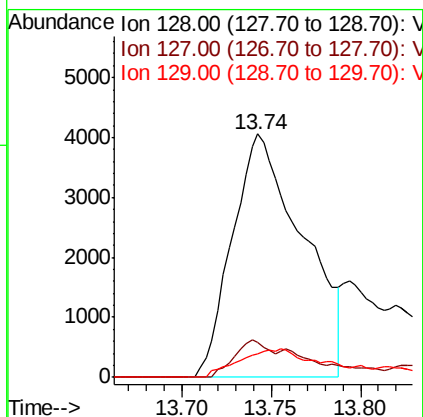
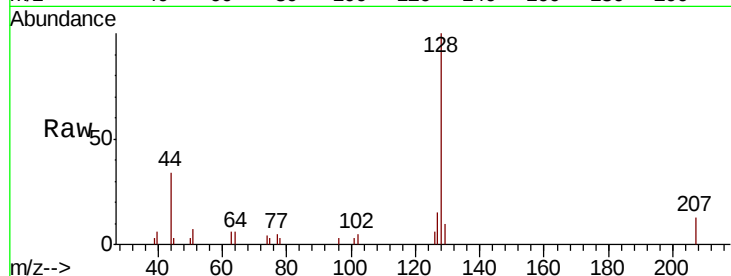




#95
Naphthalene
Concen: 4.639 ug/l
RT: 13.74 min Scan# 3935
Delta R.T. 0.02 min
Lab File: VU034524.D
Acq: 12 Sep 2019 16:51

Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW05D-M27W1-090519

Tgt Ion:128 Resp: 11165
Ion Ratio Lower Upper
128 100
127 7.7 10.6 15.8#
129 12.8 8.4 12.6#



#96
1,2,3-Trichlorobenzene
Concen: 3.511 ug/l
RT: 13.99 min Scan# 4011
Delta R.T. 0.02 min
Lab File: VU034524.D
Acq: 12 Sep 2019 16:51

Tgt Ion:180 Resp: 4820
Ion Ratio Lower Upper
180 100
182 89.0 48.4 145.0
145 9.7 15.4 46.4#

