

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091219\
 Data File : VU034546.D
 Acq On : 13 Sep 2019 01:21
 Operator : JC/SP
 Sample : K4756-03MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 42 Sample Multiplier: 1

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

Quant Time: Sep 13 07:16:52 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	236270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	345949	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	345924	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	233901	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	192391	53.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.64%	
35) Dibromofluoromethane	4.86	113	173935	54.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.06%	
50) Toluene-d8	7.54	98	644904	53.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.64%	
62) 4-Bromofluorobenzene	10.29	95	251743	53.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	113604	45.974	ug/l	99
3) Chloromethane	1.32	50	137455	51.491	ug/l	99
4) Vinyl Chloride	1.40	62	144681	46.987	ug/l	99
5) Bromomethane	1.60	94	91851	59.590	ug/l	99
6) Chloroethane	1.68	64	94796	53.028	ug/l	97
7) Trichlorofluoromethane	1.87	101	210811	51.060	ug/l	99
8) Diethyl Ether	2.09	74	96672	53.231	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.27	101	136915	50.069	ug/l	98
10) Methyl Iodide	2.40	142	128494	51.255	ug/l	99
11) Tert butyl alcohol	2.81	59	239968	317.740	ug/l	100
12) 1,1-Dichloroethene	2.27	96	131654	51.215	ug/l	97
13) Acrolein	2.18	56	132280	208.392	ug/l	99
14) Allyl chloride	2.58	41	215507	43.851	ug/l	91
15) Acrylonitrile	2.92	53	546036	290.336	ug/l	99
16) Acetone	2.31	43	438684	237.132	ug/l	99
17) Carbon Disulfide	2.46	76	243860	42.208	ug/l	100
18) Methyl Acetate	2.60	43	228947	50.861	ug/l	97
19) Methyl tert-butyl Ether	2.98	73	531428	56.717	ug/l	99
20) Methylene Chloride	2.68	84	172300	56.918	ug/l	98
21) trans-1,2-Dichloroethene	2.96	96	136642	50.441	ug/l	97
22) Diisopropyl ether	3.55	45	539008	56.240	ug/l	98
23) Vinyl Acetate	3.50	43	2056998	263.487	ug/l	99
24) 1,1-Dichloroethane	3.42	63	303963	53.107	ug/l	100
25) 2-Butanone	4.24	43	707844	286.640	ug/l	98
26) 2,2-Dichloropropane	4.20	77	191084	41.510	ug/l	97
27) cis-1,2-Dichloroethene	4.20	96	184840	56.181	ug/l	94
28) Bromochloromethane	4.52	49	147243	55.931	ug/l	97
29) Tetrahydrofuran	4.61	42	440501	293.144	ug/l	99
30) Chloroform	4.65	83	312900	53.783	ug/l	99
31) Cyclohexane	4.97	56	201115	48.030	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	253333	54.463	ug/l	99
36) 1,1-Dichloropropene	5.12	75	192630	51.343	ug/l	98
37) Ethyl Acetate	4.36	43	234295	52.818	ug/l	98
38) Carbon Tetrachloride	5.11	117	214108	53.447	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	193180	48.166	ug/l	98
40) Benzene	5.37	78	649717	53.668	ug/l	99
41) Methacrylonitrile	4.52	41	140324	59.388	ug/l	99
42) 1,2-Dichloroethane	5.38	62	226839	53.968	ug/l	99
43) Isopropyl Acetate	5.53	43	375748	54.299	ug/l	100
44) Trichloroethene	6.17	130	178335	53.233	ug/l	99
45) 1,2-Dichloropropane	6.41	63	192070	54.270	ug/l	98
46) Dibromomethane	6.54	93	119943	53.990	ug/l	99
47) Bromodichloromethane	6.73	83	248182	54.272	ug/l	99
48) Methyl methacrylate	6.60	41	185231	56.358	ug/l	99
49) 1,4-Dioxane	6.59	88	92819	1293.290	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	1400343	292.348	ug/l	100
52) Toluene	7.62	92	419013	55.174	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	248760	52.477	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	270937	52.076	ug/l	98
55) 1,1,2-Trichloroethane	8.04	97	190837	55.341	ug/l	99
56) Ethyl methacrylate	8.00	69	280401	53.304	ug/l	98
57) 1,3-Dichloropropane	8.22	76	311966	55.557	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.08	63	2126	17.735	ug/l #	48
59) 2-Hexanone	8.34	43	1063521	297.208	ug/l	100
60) Dibromochloromethane	8.45	129	211145	57.086	ug/l	99
61) 1,2-Dibromoethane	8.56	107	185629	54.998	ug/l	98
64) Tetrachloroethene	8.21	164	250242	83.384	ug/l	98
65) Chlorobenzene	9.10	112	485288	55.296	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.19	131	189370	56.540	ug/l	99
67) Ethyl Benzene	9.23	91	806797	56.224	ug/l	99
68) m/p-Xylenes	9.35	106	626668	115.974	ug/l	100
69) o-Xylene	9.76	106	308071	58.298	ug/l	99
70) Styrene	9.77	104	560377	60.483	ug/l	99
71) Bromoform	9.94	173	168175	57.937	ug/l #	99
73) Isopropylbenzene	10.14	105	851755	55.957	ug/l	100
74) N-amyl acetate	9.99	43	331521	54.107	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.43	83	337111	54.713	ug/l	99
76) 1,2,3-Trichloropropane	10.47	75	349669	68.487	ug/l	85
77) Bromobenzene	10.43	156	236054	55.461	ug/l	99
78) n-propylbenzene	10.57	91	969638	55.157	ug/l	100
79) 2-Chlorotoluene	10.64	91	595678	55.534	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	736437	57.848	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.47	75	350892	231.122	ug/l #	100
82) 4-Chlorotoluene	10.75	91	687891	55.728	ug/l	100
83) tert-Butylbenzene	11.08	119	722604	56.740	ug/l	98
84) 1,2,4-Trimethylbenzene	11.13	105	737128	57.522	ug/l	100
85) sec-Butylbenzene	11.30	105	847419	56.363	ug/l	100
86) p-Isopropyltoluene	11.45	119	777106	55.999	ug/l	99
87) 1,3-Dichlorobenzene	11.39	146	423894	54.579	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	425338	52.506	ug/l	100
89) n-Butylbenzene	11.86	91	661198	54.828	ug/l	99
90) Hexachloroethane	12.12	117	116715	52.570	ug/l	98
91) 1,2-Dichlorobenzene	11.86	146	420000	55.025	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.63	75	65731	58.056	ug/l	96

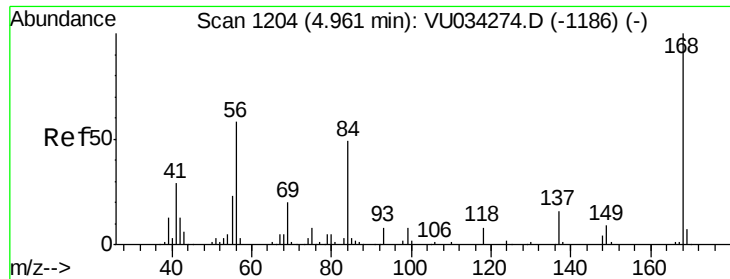
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU091219\
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Quant Title : SW846 8260
QLast Update : Fri Sep 06 05:10:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	275818	49.837	ug/l	100
94) Hexachlorobutadiene	13.67	225	123010	46.072	ug/l	99
95) Naphthalene	13.72	128	839234	53.531	ug/l	99
96) 1,2,3-Trichlorobenzene	13.96	180	279096	52.081	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: VU034546.D

Acq: 13 Sep 2019 01:21

Instrument :

MSVOA_U

ClientSampleId :

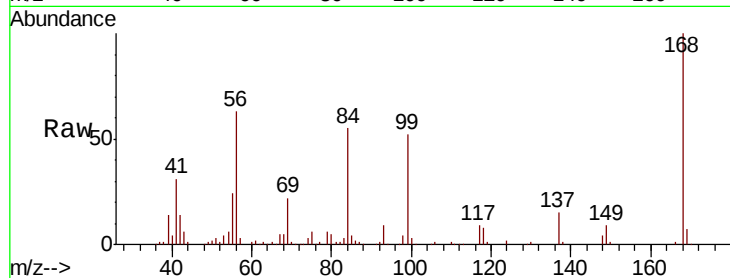
CPA-CPMW09D-M27W1-090319MS

Tgt Ion:168 Resp: 236270

Ion Ratio Lower Upper

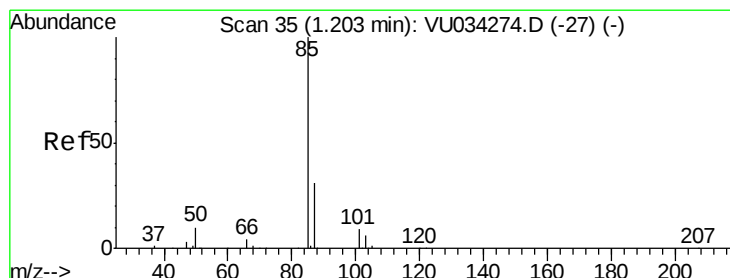
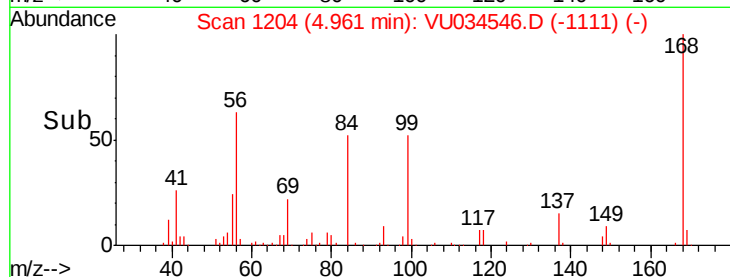
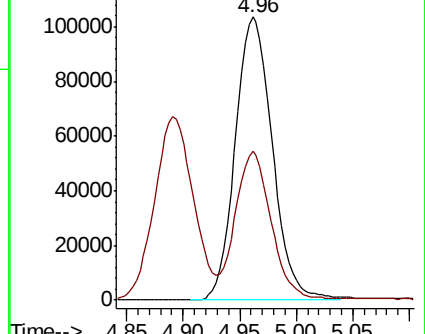
168 100

99 51.9 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) (-)



#2

Dichlorodifluoromethane

Concen: 45.974 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034546.D

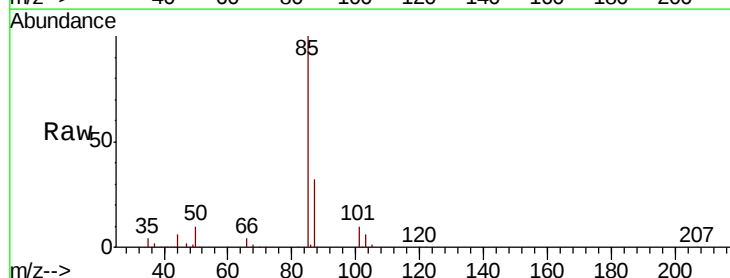
Acq: 13 Sep 2019 01:21

Tgt Ion: 85 Resp: 113604

Ion Ratio Lower Upper

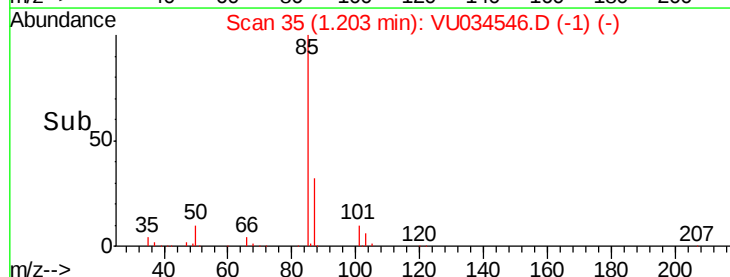
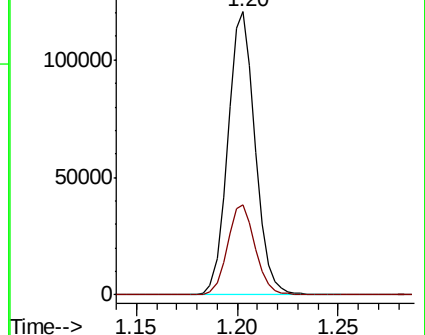
85 100

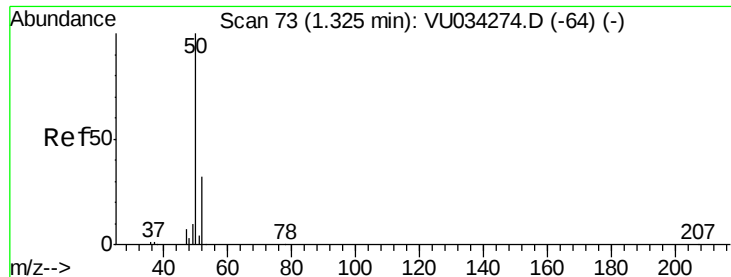
87 31.9 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VU034274.D (-27) (-)

Ion 86.90 (86.60 to 87.60): VU034274.D (-27) (-)





#3

Chloromethane

Concen: 51.491 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Instrument :

MSVOA_U

ClientSampleId :

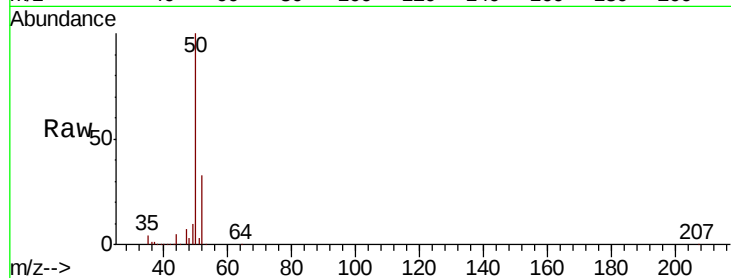
CPA-CPMW09D-M27W1-090319MS

Tgt Ion: 50 Resp: 137455

Ion Ratio Lower Upper

50 100

52 32.9 25.8 38.6



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

Ion 51.90 (51.60 to 52.60): VU034546.D (-1) (-)

1.32

150000

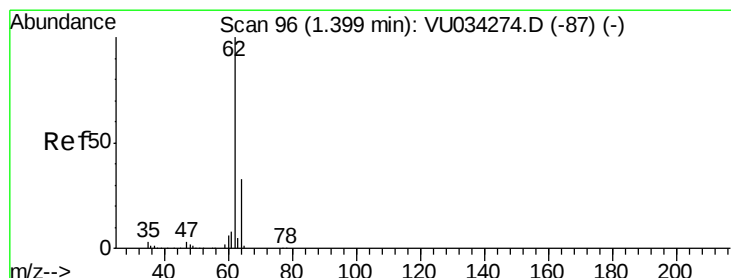
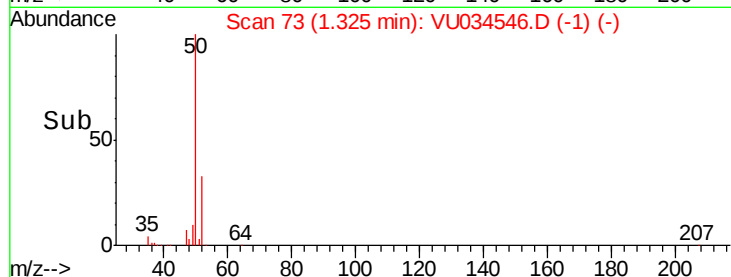
100000

50000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 46.987 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034546.D

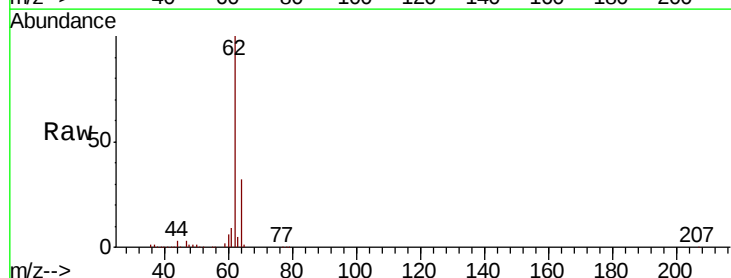
Acq: 13 Sep 2019 01:21

Tgt Ion: 62 Resp: 144681

Ion Ratio Lower Upper

62 100

64 32.2 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VU034274.D (-87) (-)

Ion 63.90 (63.60 to 64.60): VU034546.D (-3) (-)

1.40

150000

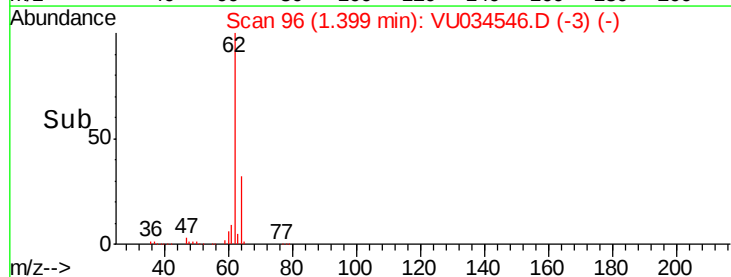
100000

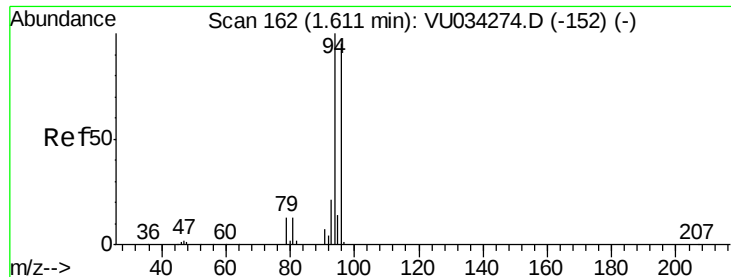
50000

0

1.35 1.40 1.45

Time-->





#5

Bromomethane

Concen: 59.590 ug/l

RT: 1.60 min Scan# 160

Delta R.T. -0.01 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Instrument :

MSVOA_U

ClientSampleId :

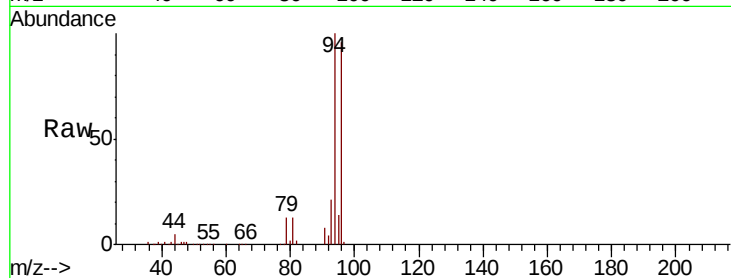
CPA-CPMW09D-M27W1-090319MS

Tgt Ion: 94 Resp: 91851

Ion Ratio Lower Upper

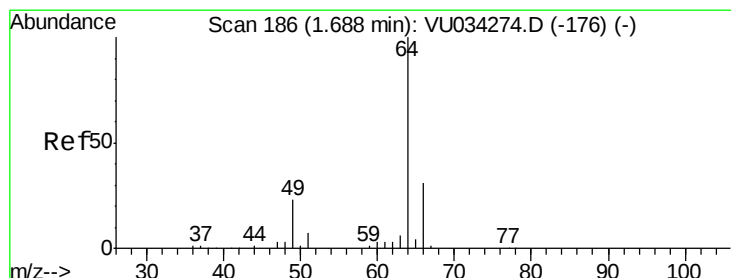
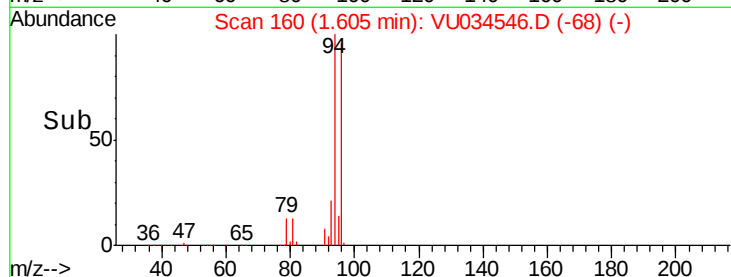
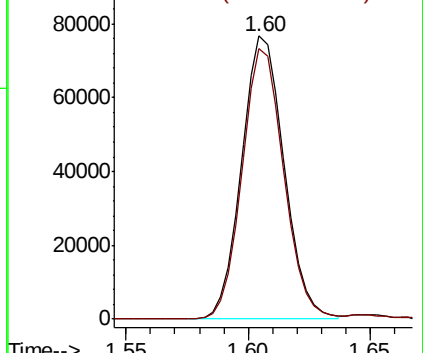
94 100

96 95.9 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 53.028 ug/l

RT: 1.68 min Scan# 184

Delta R.T. -0.01 min

Lab File: VU034546.D

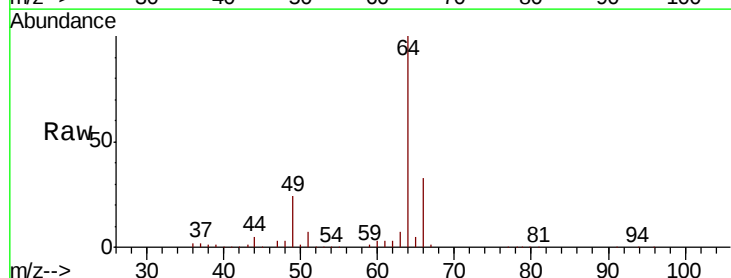
Acq: 13 Sep 2019 01:21

Tgt Ion: 64 Resp: 94796

Ion Ratio Lower Upper

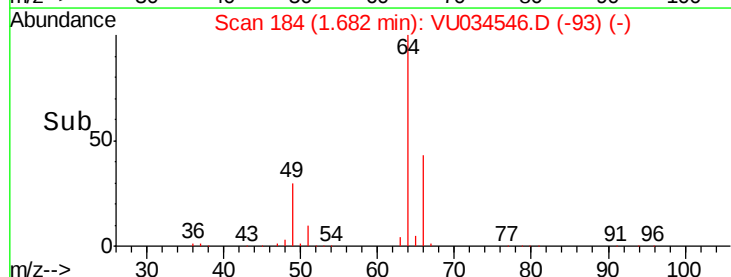
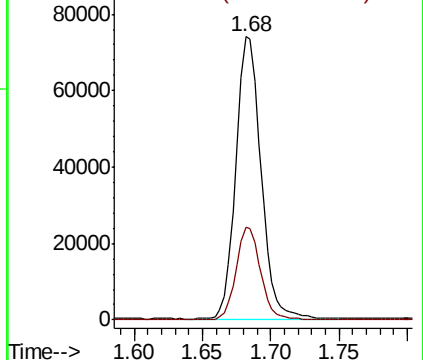
64 100

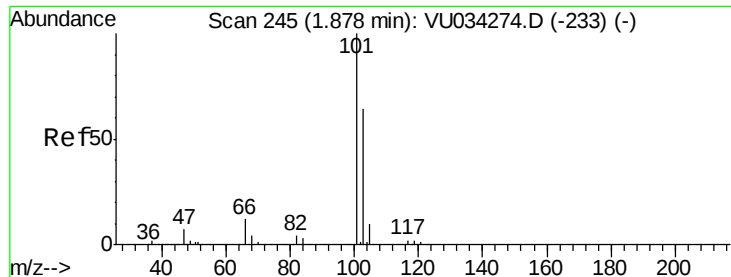
66 32.7 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



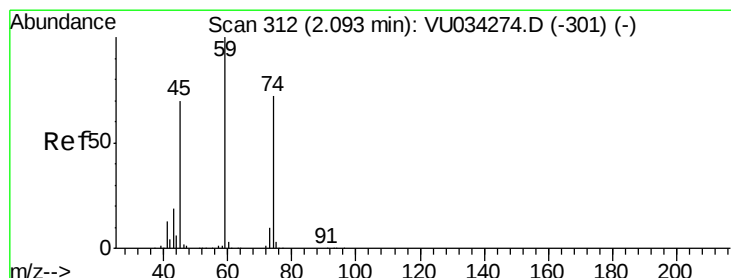
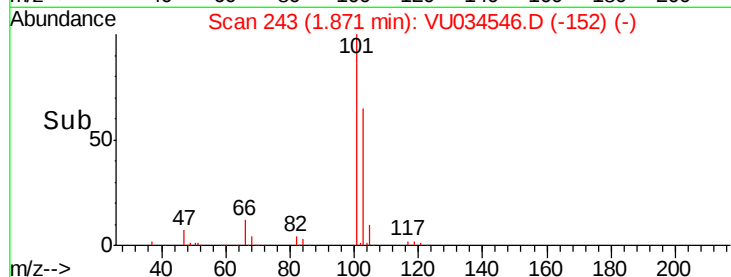
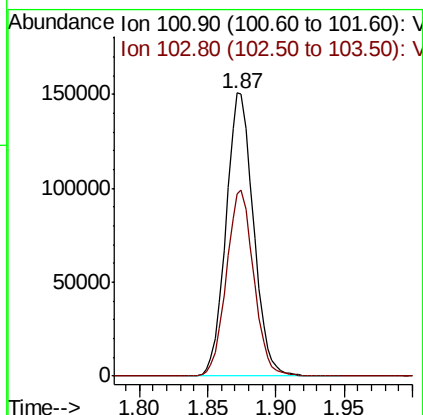
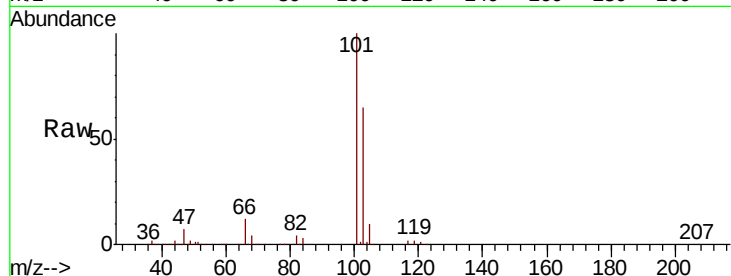


#7

Trichlorofluoromethane
 Concen: 51.060 ug/l
 RT: 1.87 min Scan# 243
 Delta R.T. -0.01 min
 Lab File: VU034546.D
 Acq: 13 Sep 2019 01:21

Instrument :
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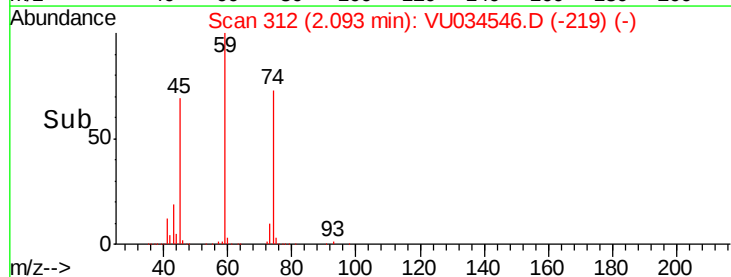
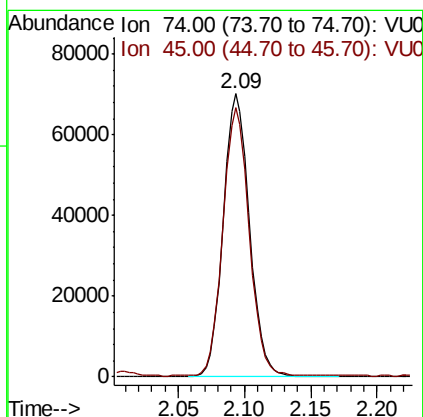
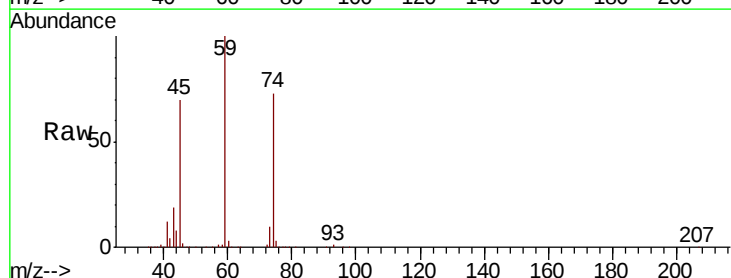
Tgt Ion:101 Resp: 210811
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.0 76.6

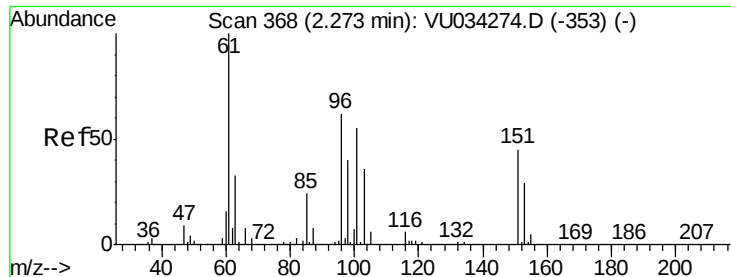


#8

Diethyl Ether
 Concen: 53.231 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. 0.00 min
 Lab File: VU034546.D
 Acq: 13 Sep 2019 01:21

Tgt Ion: 74 Resp: 96672
 Ion Ratio Lower Upper
 74 100
 45 94.4 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.069 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

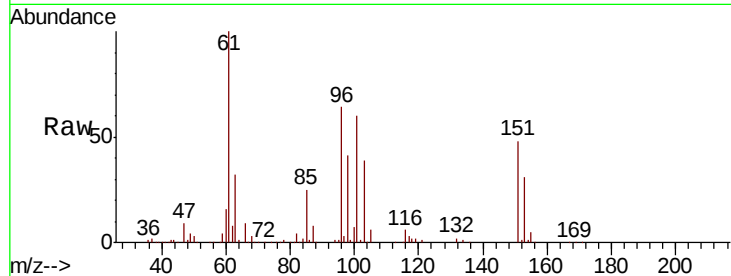
Tgt Ion:101 Resp: 136915

Ion Ratio Lower Upper

101 100

85 41.1 34.4 51.6

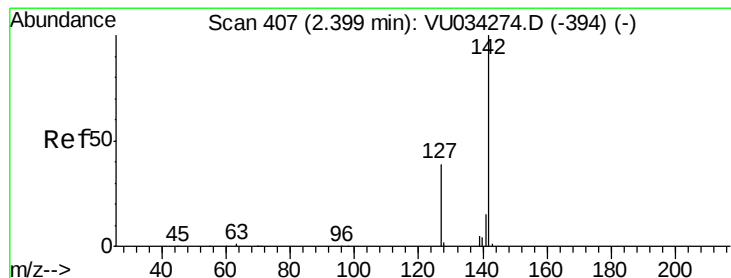
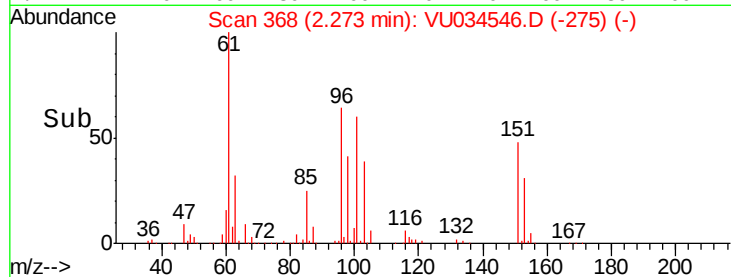
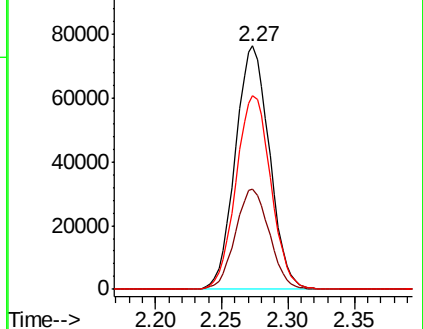
151 81.2 64.4 96.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.255 ug/l

RT: 2.40 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

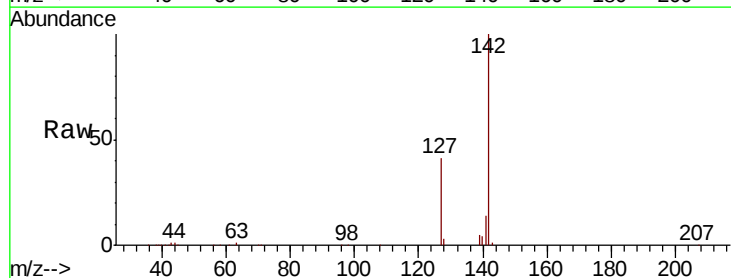
Tgt Ion:142 Resp: 128494

Ion Ratio Lower Upper

142 100

127 40.7 32.1 48.1

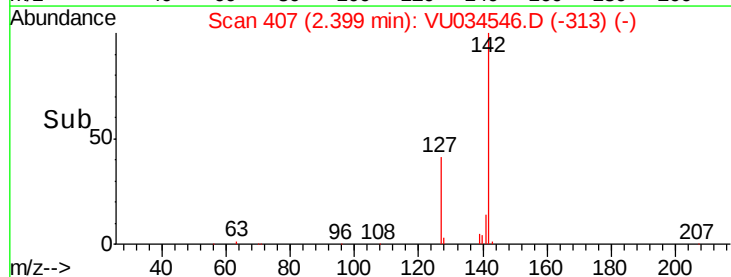
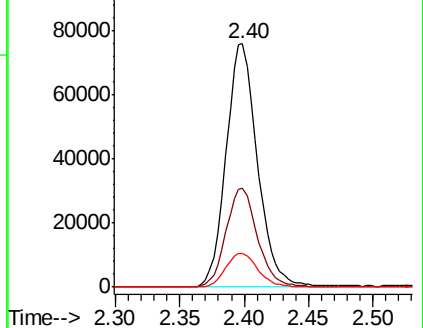
141 14.4 11.5 17.3

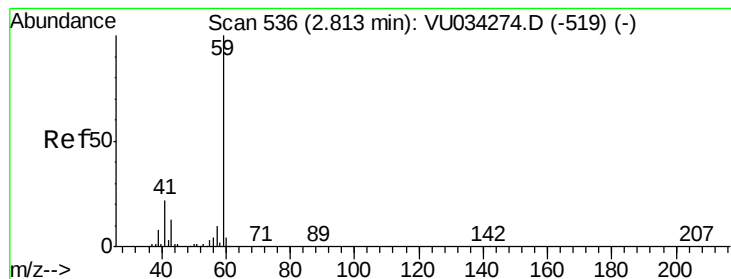


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



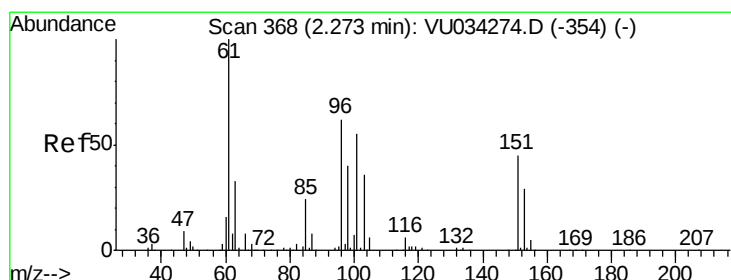
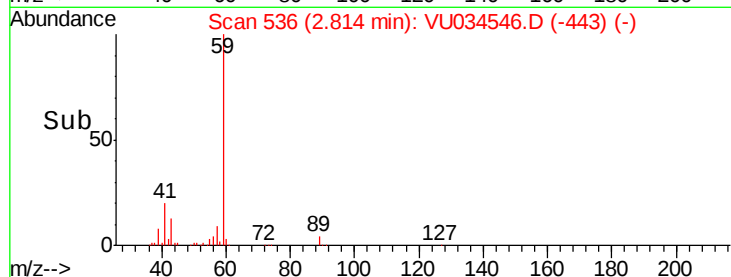
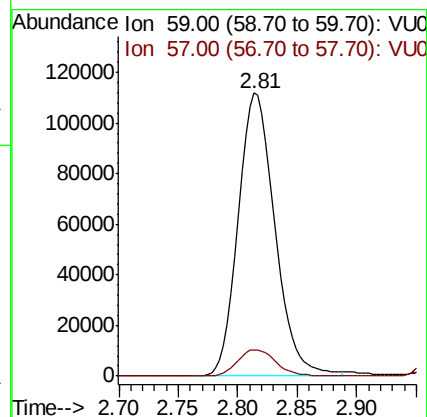
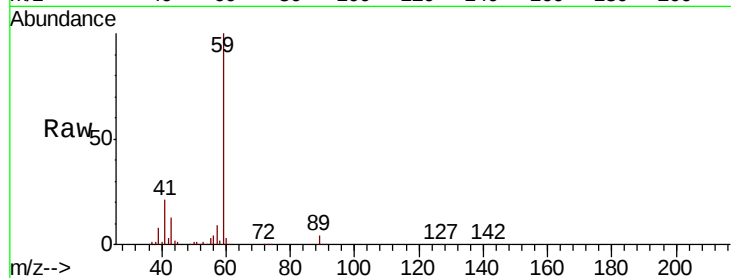


#11

Tert butyl alcohol
 Concen: 317.740 ug/l
 RT: 2.81 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VU034546.D
 Acq: 13 Sep 2019 01:21

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

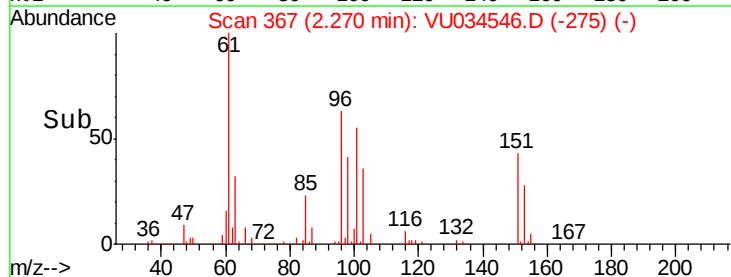
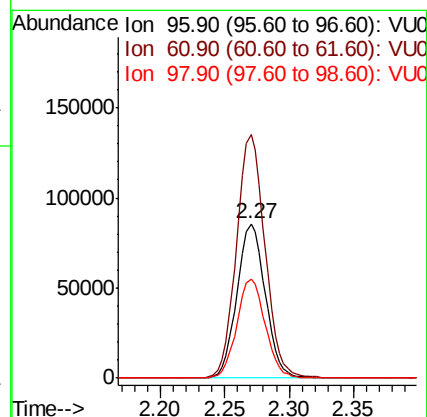
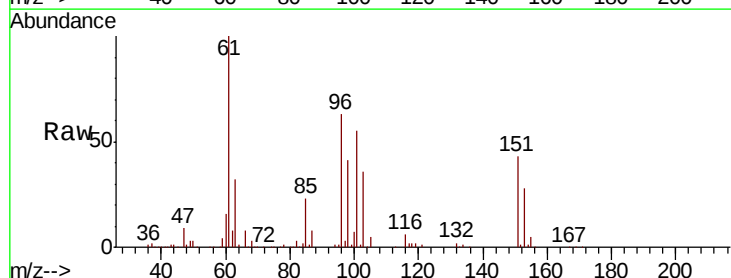
Tgt Ion: 59 Resp: 239968
 Ion Ratio Lower Upper
 59 100
 57 9.7 7.9 11.9

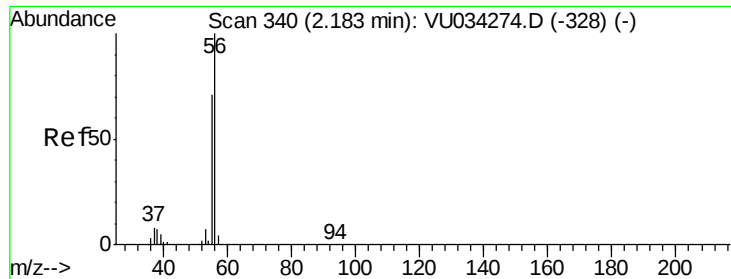


#12

1,1-Dichloroethene
 Concen: 51.215 ug/l
 RT: 2.27 min Scan# 367
 Delta R.T. -0.00 min
 Lab File: VU034546.D
 Acq: 13 Sep 2019 01:21

Tgt Ion: 96 Resp: 131654
 Ion Ratio Lower Upper
 96 100
 61 157.7 130.0 195.0
 98 64.1 52.2 78.4





#13

Acrolein

Concen: 208.392 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Instrument :

MSVOA_U

ClientSampleId :

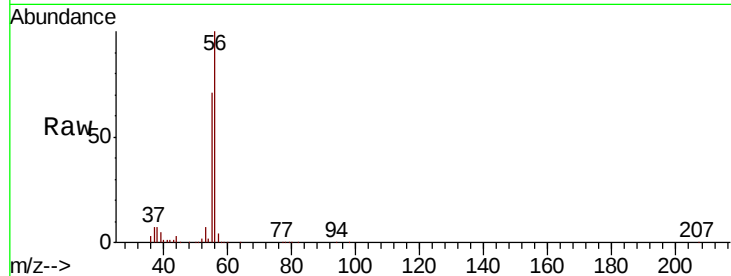
CPA-CPMW09D-M27W1-090319MS

Tgt Ion: 56 Resp: 132280

Ion Ratio Lower Upper

56 100

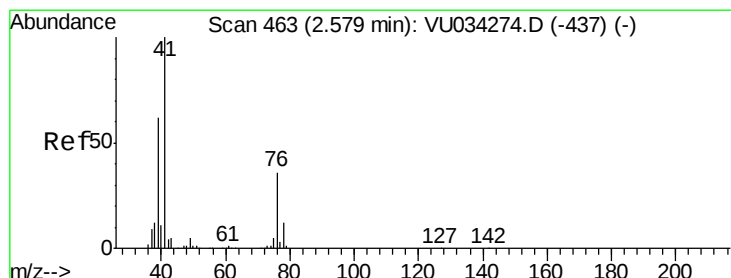
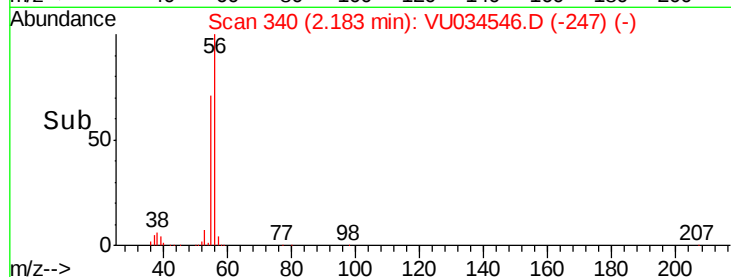
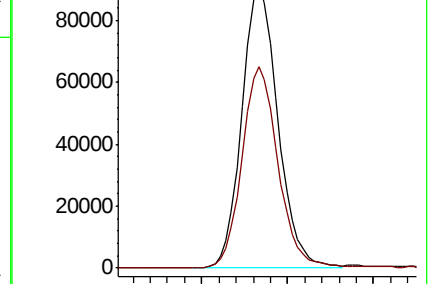
55 71.4 57.4 86.2



Abundance Ion 56.00 (55.70 to 56.70): VU034274.D (-328) (-)

Ion 55.00 (54.70 to 55.70): VU034274.D (-328) (-)

2.18



#14

Allyl chloride

Concen: 43.851 ug/l

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

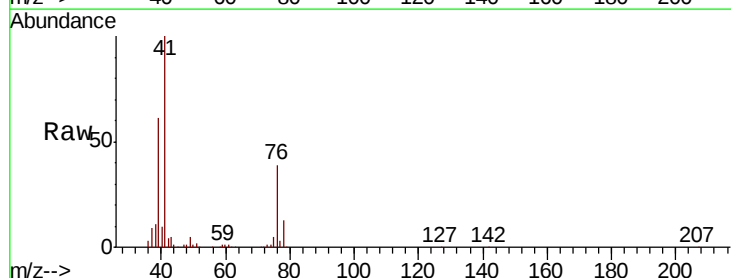
Tgt Ion: 41 Resp: 215507

Ion Ratio Lower Upper

41 100

39 62.4 43.5 65.3

76 37.4 27.0 40.6

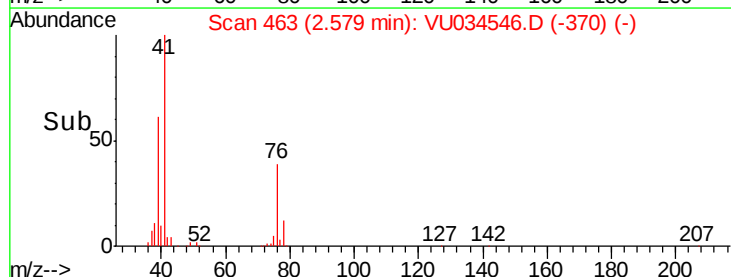
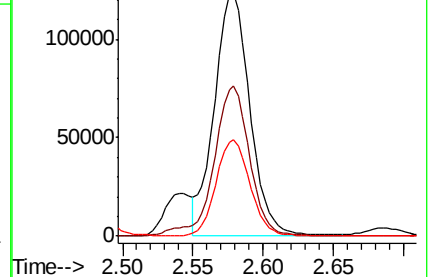


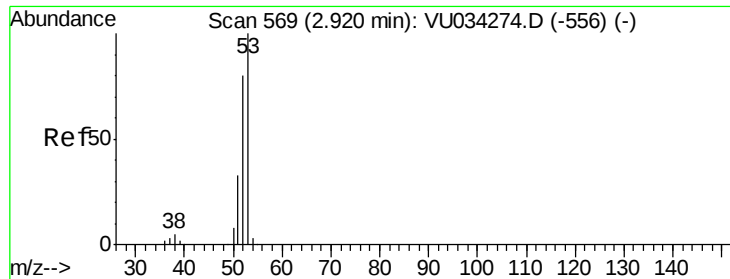
Abundance Ion 41.00 (40.70 to 41.70): VU034274.D (-437) (-)

Ion 39.00 (38.70 to 39.70): VU034274.D (-437) (-)

Ion 75.90 (75.60 to 76.60): VU034274.D (-437) (-)

2.58

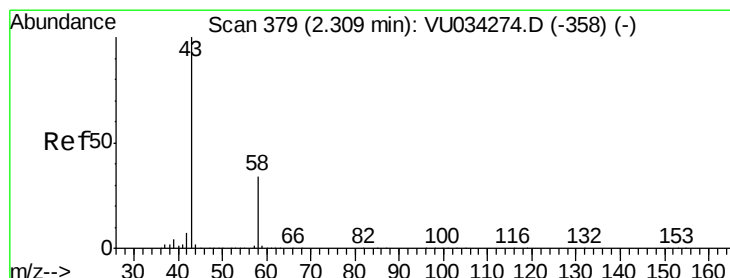
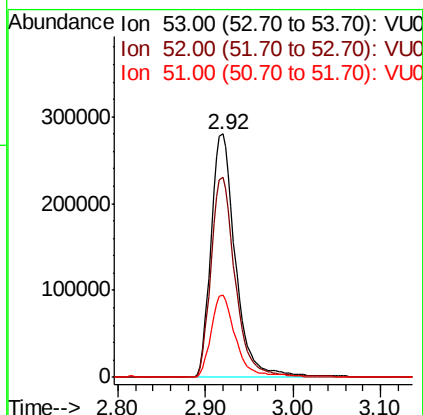
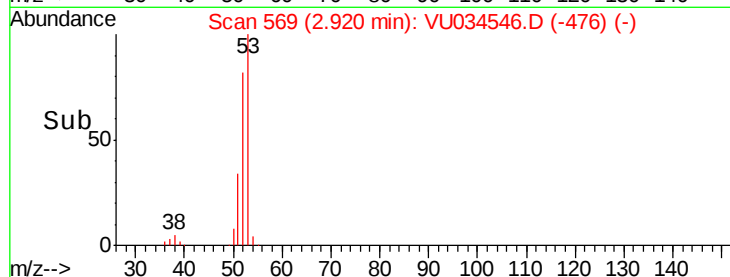
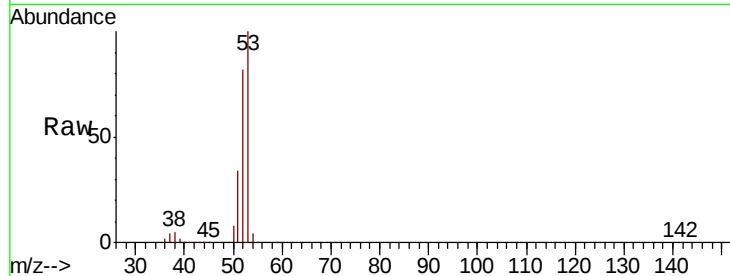




#15
 Acrylonitrile
 Concen: 290.336 ug/l
 RT: 2.92 min Scan# 569
 Delta R.T. 0.00 min
 Lab File: VU034546.D
 Acq: 13 Sep 2019 01:21

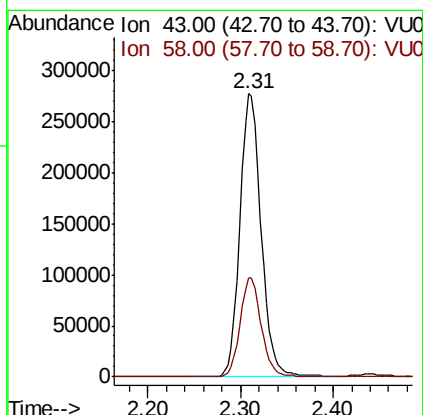
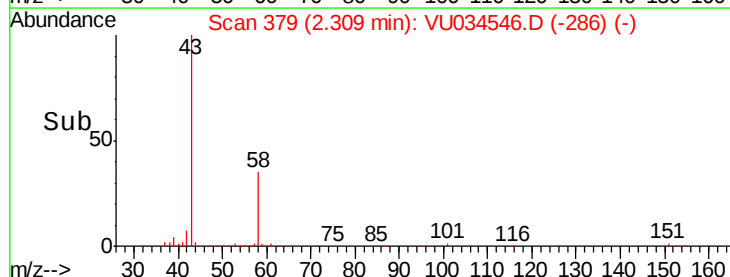
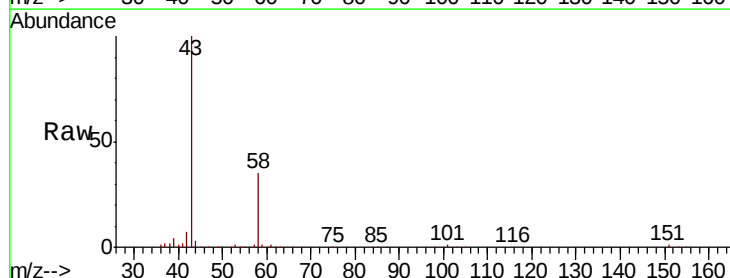
Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW09D-M27W1-090319MS

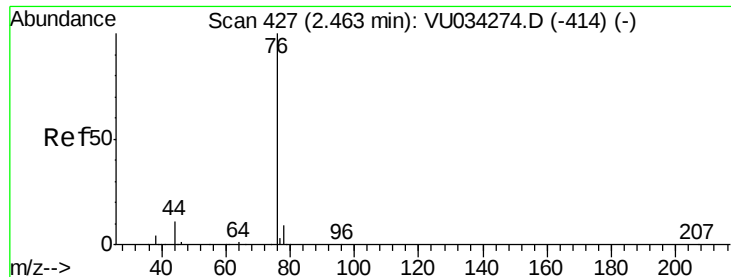
Tgt Ion: 53 Resp: 546036
 Ion Ratio Lower Upper
 53 100
 52 81.8 64.1 96.1
 51 34.3 27.4 41.0



#16
 Acetone
 Concen: 237.132 ug/l
 RT: 2.31 min Scan# 379
 Delta R.T. 0.00 min
 Lab File: VU034546.D
 Acq: 13 Sep 2019 01:21

Tgt Ion: 43 Resp: 438684
 Ion Ratio Lower Upper
 43 100
 58 35.0 27.6 41.4

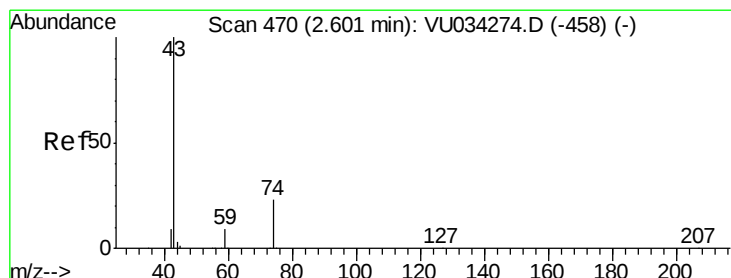
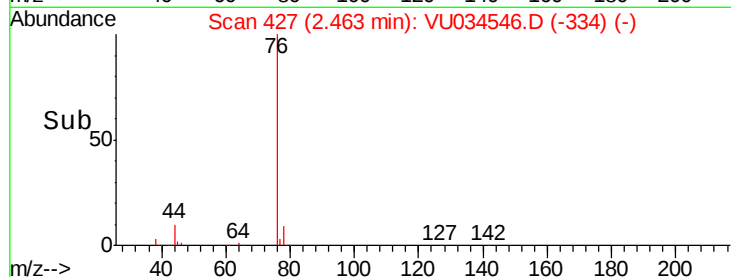
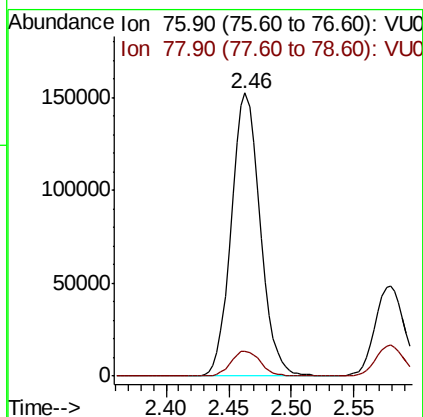
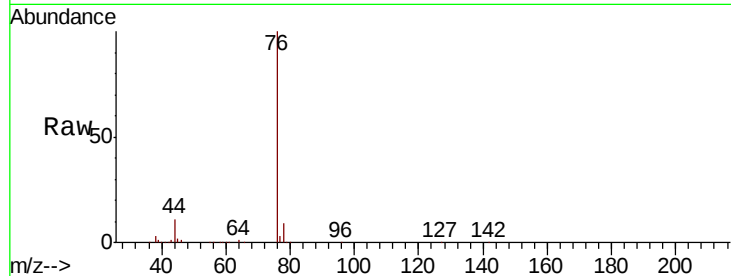




#17
Carbon Disulfide
Concen: 42.208 ug/l
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VU034546.D
Acq: 13 Sep 2019 01:21

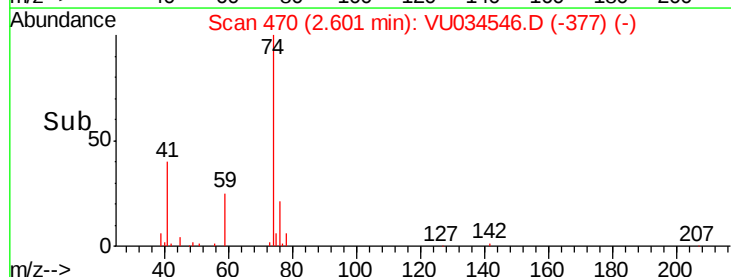
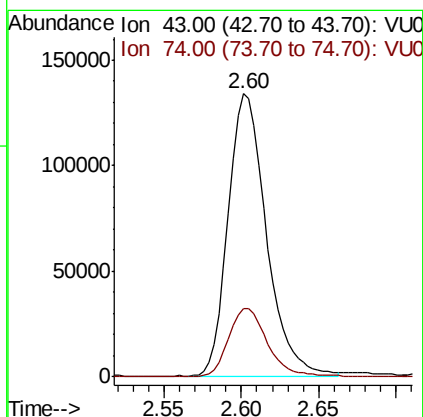
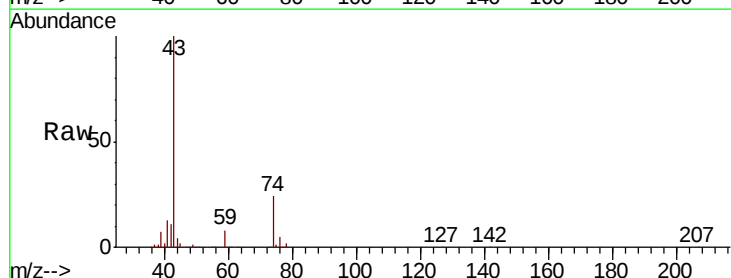
Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW09D-M27W1-090319MS

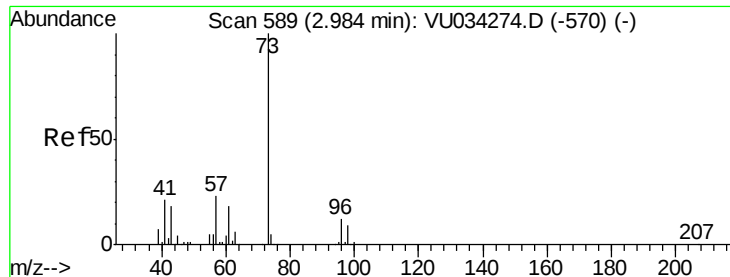
Tgt Ion: 76 Resp: 243860
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8



#18
Methyl Acetate
Concen: 50.861 ug/l
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034546.D
Acq: 13 Sep 2019 01:21

Tgt Ion: 43 Resp: 228947
Ion Ratio Lower Upper
43 100
74 24.9 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 56.717 ug/l

RT: 2.98 min Scan# 589

Delta R.T. 0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Instrument :

MSVOA_U

ClientSampleId :

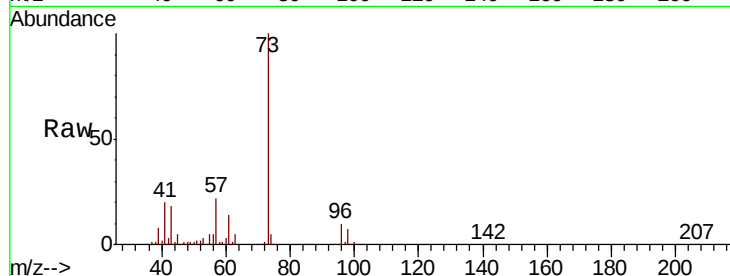
CPA-CPMW09D-M27W1-090319MS

Tgt Ion: 73 Resp: 531428

Ion Ratio Lower Upper

73 100

57 22.3 18.2 27.4



Abundance Ion 73.00 (72.70 to 73.70): VU034546.D (-496) (-)

Ion 57.00 (56.70 to 57.70): VU034546.D (-496) (-)

2.98

250000

200000

150000

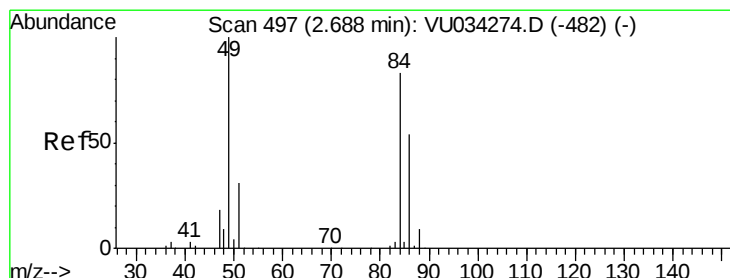
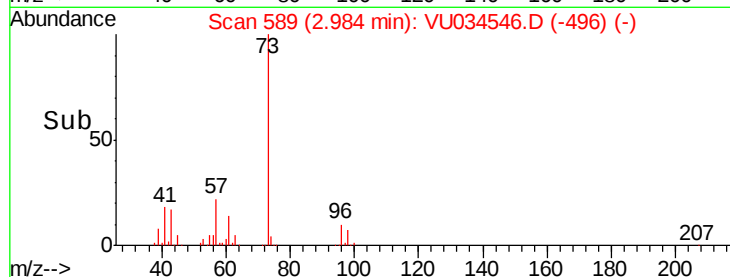
100000

50000

0

Time-->

2.90 3.00 3.10



#20

Methylene Chloride

Concen: 56.918 ug/l

RT: 2.68 min Scan# 496

Delta R.T. -0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Tgt Ion: 84 Resp: 172300

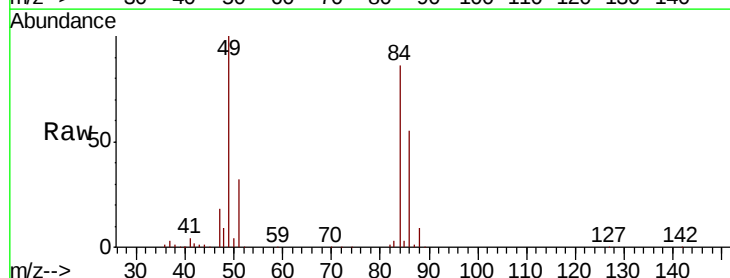
Ion Ratio Lower Upper

84 100

49 116.0 96.0 144.0

51 37.1 30.0 45.0

86 63.9 51.4 77.0



Abundance Ion 83.90 (83.60 to 84.60): VU034546.D (-404) (-)

Ion 48.90 (48.60 to 49.60): VU034546.D (-404) (-)

Ion 50.90 (50.60 to 51.60): VU034546.D (-404) (-)

Ion 85.90 (85.60 to 86.60): VU034546.D (-404) (-)

2.68

150000

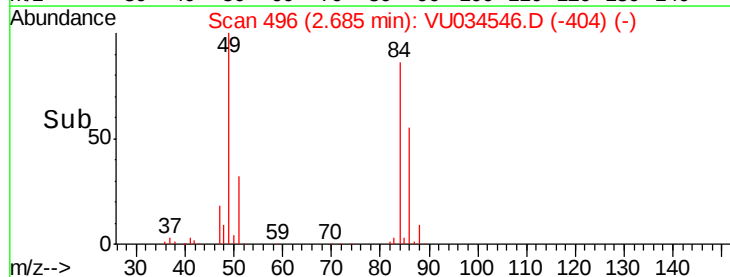
100000

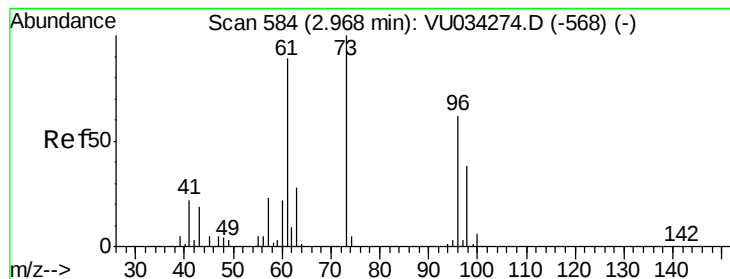
50000

0

Time-->

2.60 2.70 2.80





#21

trans-1,2-Dichloroethene

Concen: 50.441 ug/l

RT: 2.96 min Scan# 583

Delta R.T. -0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

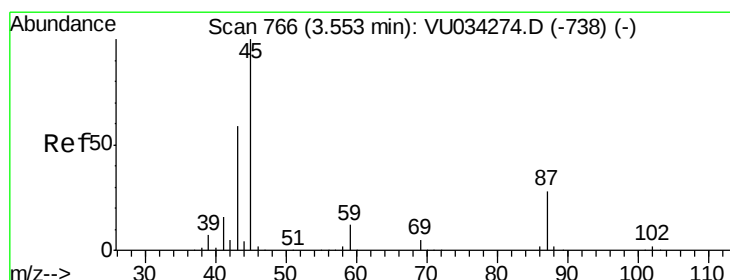
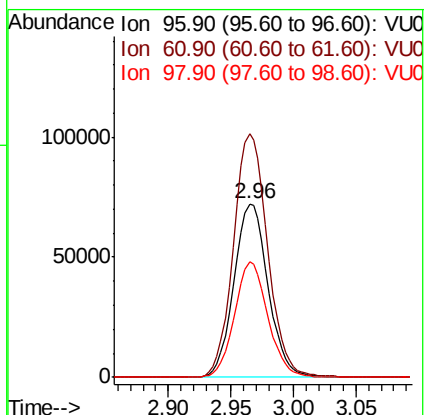
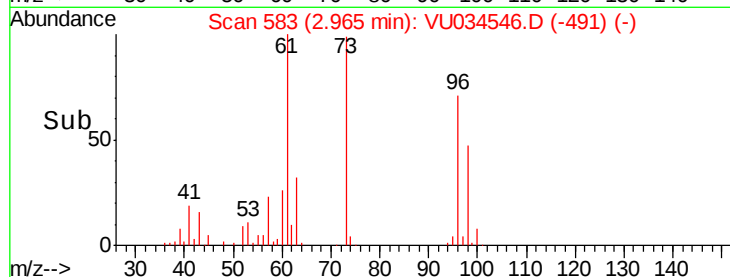
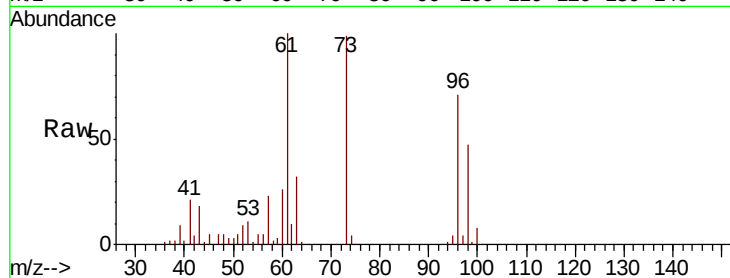
Tgt Ion: 96 Resp: 136642

Ion Ratio Lower Upper

96 100

61 140.4 114.8 172.2

98 66.4 49.8 74.8



#22

Diisopropyl ether

Concen: 56.240 ug/l

RT: 3.55 min Scan# 766

Delta R.T. 0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Tgt Ion: 45 Resp: 539008

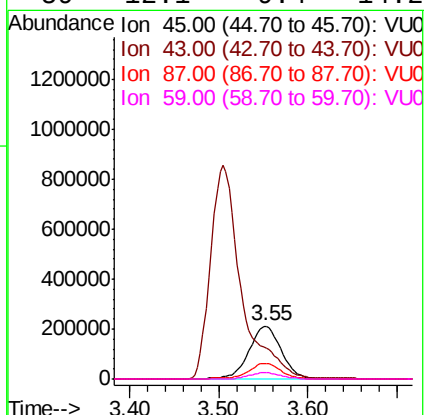
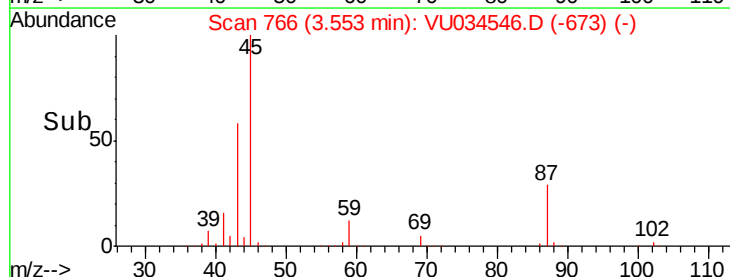
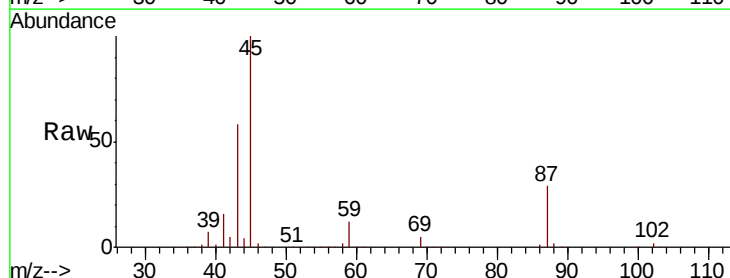
Ion Ratio Lower Upper

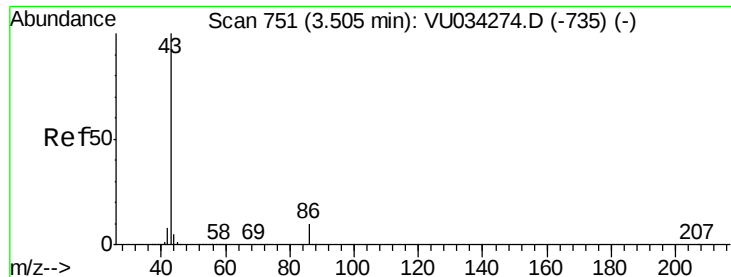
45 100

43 57.8 47.5 71.3

87 29.0 22.2 33.4

59 12.1 9.4 14.2





#23

Vinyl Acetate

Concen: 263.487 ug/l

RT: 3.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Instrument :

MSVOA_U

ClientSampleId :

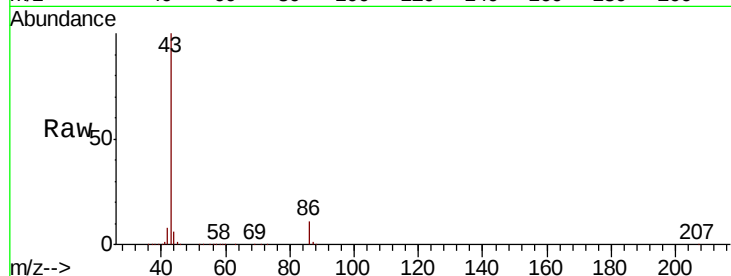
CPA-CPMW09D-M27W1-090319MS

Tgt Ion: 43 Resp: 2056998

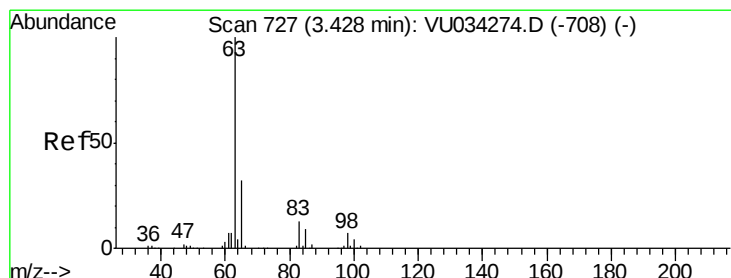
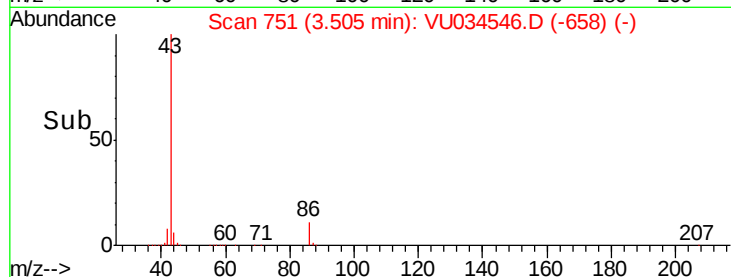
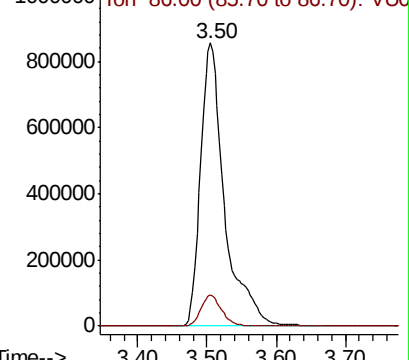
Ion Ratio Lower Upper

43 100

86 10.8 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VU034546.D (-658) (-)



#24

1,1-Dichloroethane

Concen: 53.107 ug/l

RT: 3.42 min Scan# 726

Delta R.T. -0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

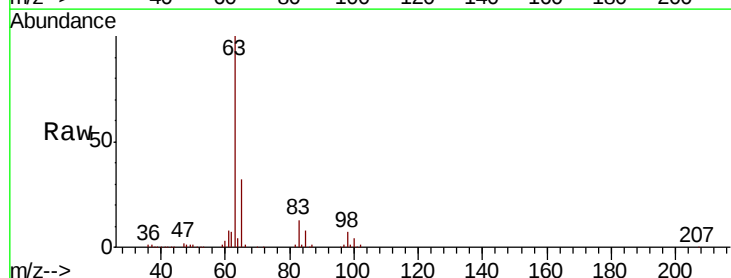
Tgt Ion: 63 Resp: 303963

Ion Ratio Lower Upper

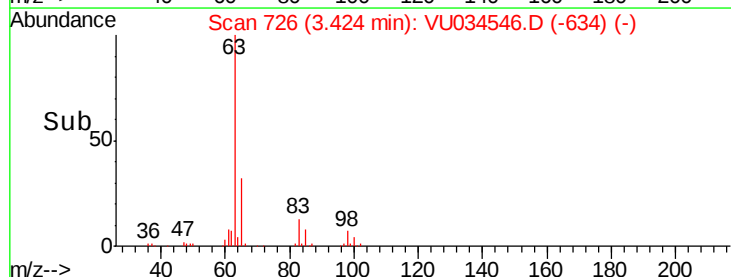
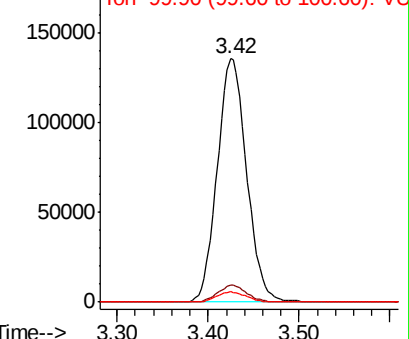
63 100

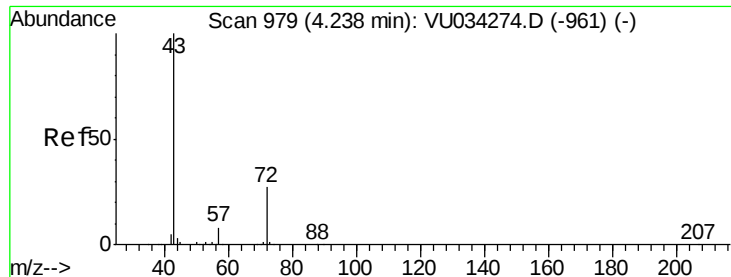
98 6.9 3.5 10.4

100 4.2 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VU034546.D (-634) (-)





#25

2-Butanone

Concen: 286.640 ug/l

RT: 4.24 min Scan# 979

Delta R.T. 0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Instrument :

MSVOA_U

ClientSampleId :

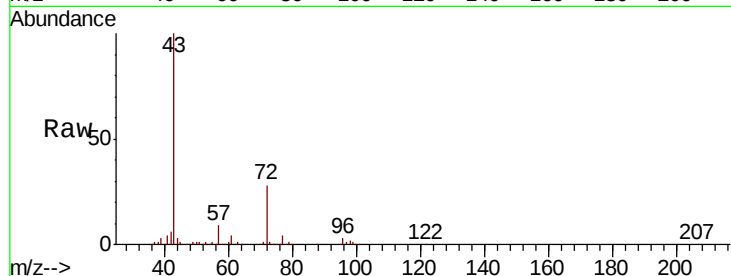
CPA-CPMW09D-M27W1-090319MS

Tgt Ion: 43 Resp: 707844

Ion Ratio Lower Upper

43 100

72 28.3 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-961) (-)

Ion 72.00 (71.70 to 72.70): VU034274.D (-961) (-)

4.24

300000

250000

200000

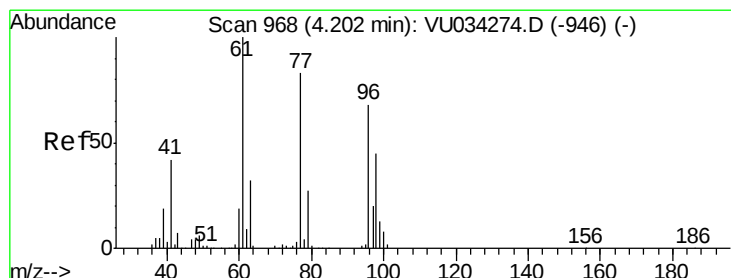
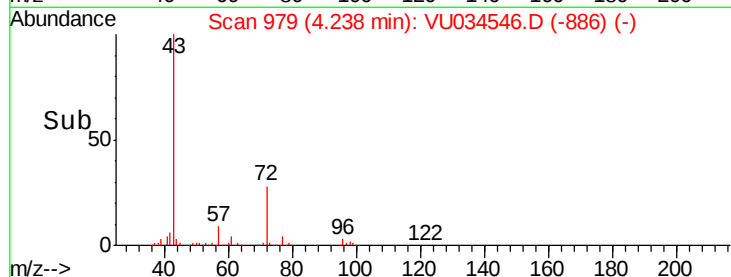
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 41.510 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034546.D

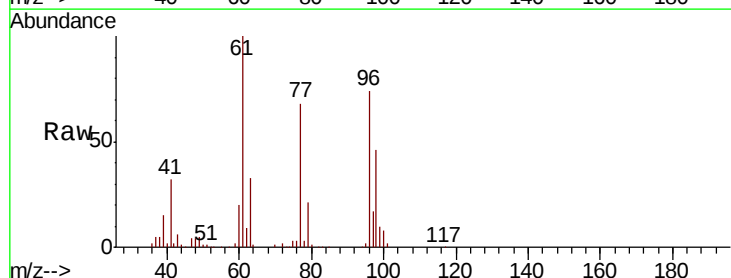
Acq: 13 Sep 2019 01:21

Tgt Ion: 77 Resp: 191084

Ion Ratio Lower Upper

77 100

97 25.0 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VU034274.D (-946) (-)

Ion 96.90 (96.60 to 97.60): VU034274.D (-946) (-)

4.20

80000

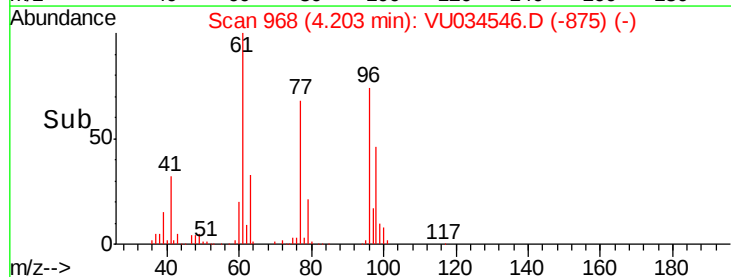
60000

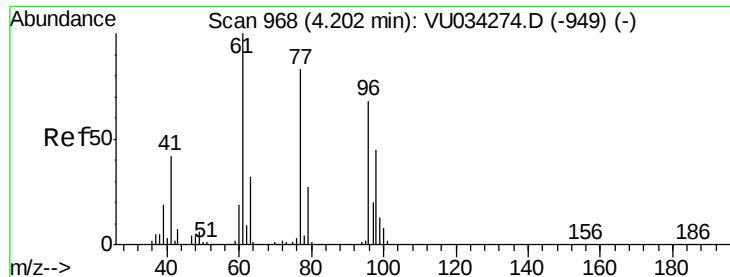
40000

20000

0

Time-->



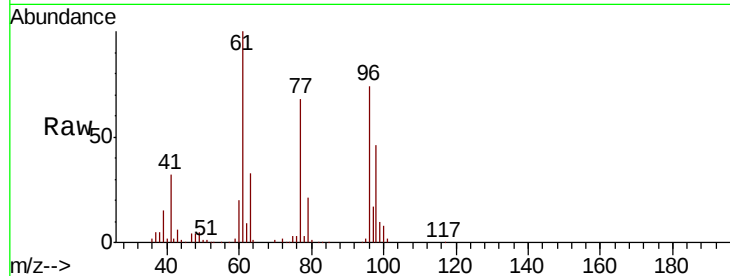


#27

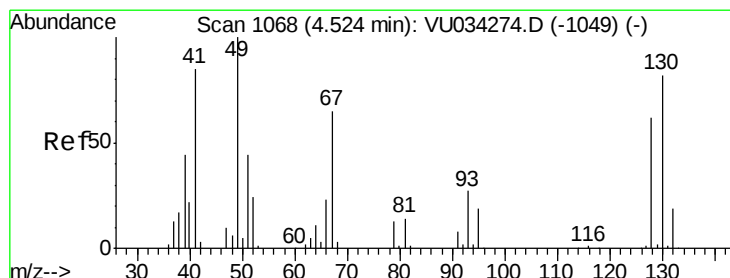
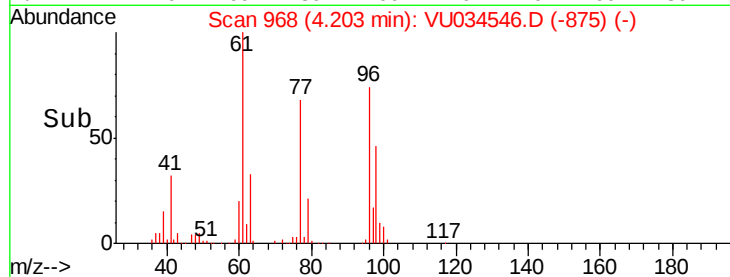
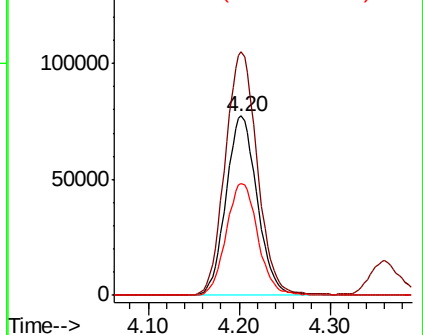
cis-1,2-Dichloroethene
Concen: 56.181 ug/l
RT: 4.20 min Scan# 968
Delta R.T. 0.00 min
Lab File: VU034546.D
Acq: 13 Sep 2019 01:21

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

Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.4	0.0	297.4
98	63.4	0.0	130.0



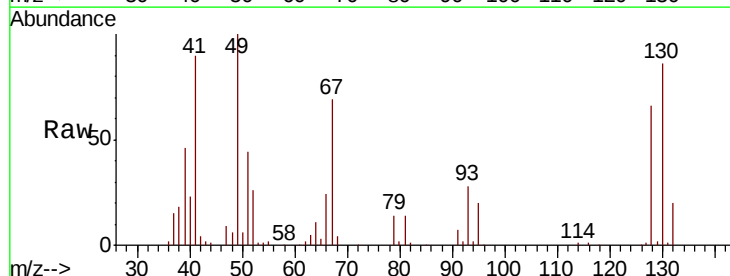
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



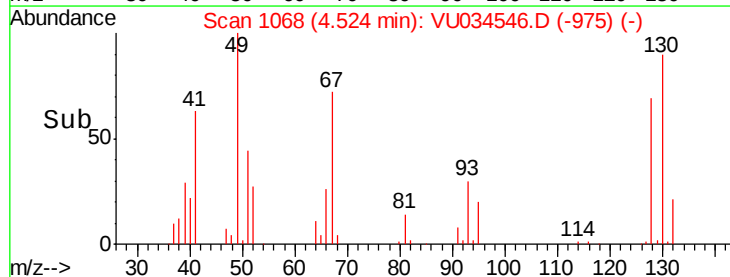
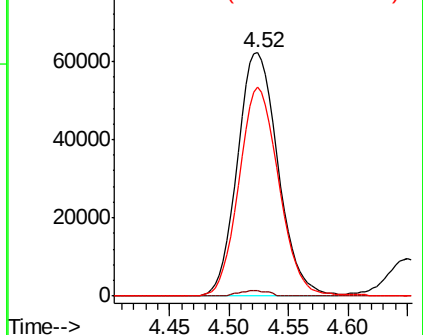
#28

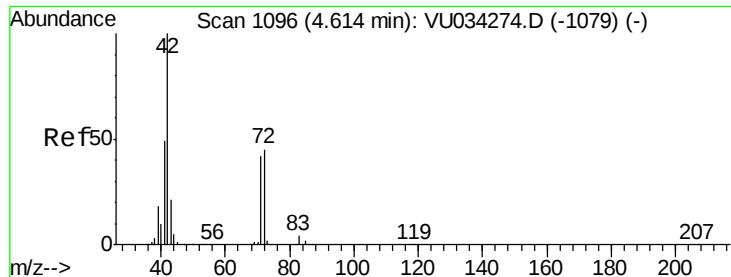
Bromochloromethane
Concen: 55.931 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU034546.D
Acq: 13 Sep 2019 01:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.8
130	84.6	65.2	97.8



Abundance Ion 48.90 (48.60 to 49.60): VU0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

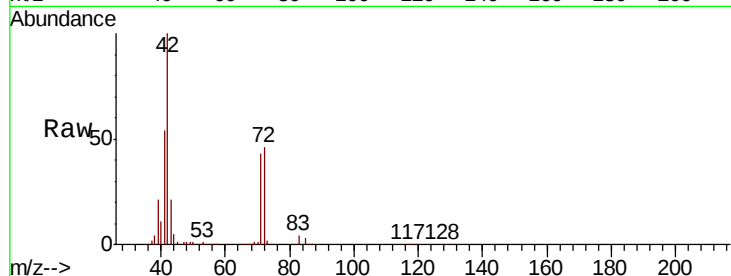




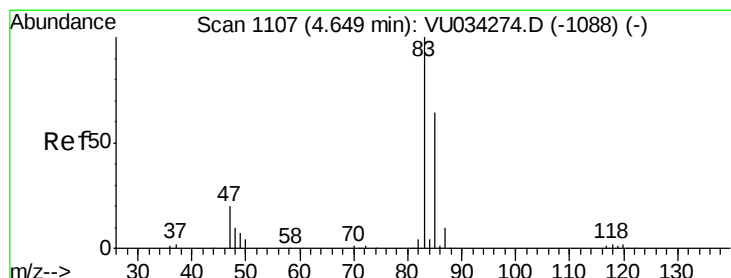
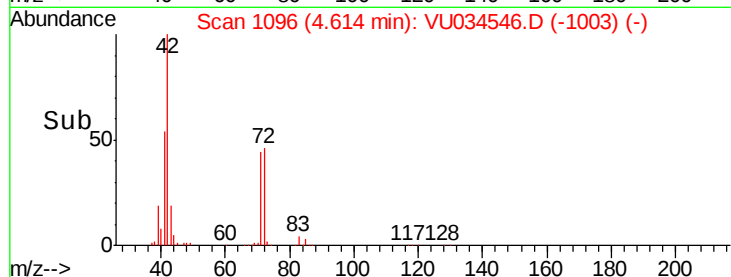
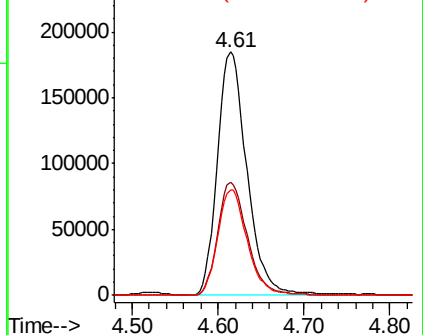
#29
Tetrahydrofuran
Concen: 293.144 ug/l
RT: 4.61 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VU034546.D
Acq: 13 Sep 2019 01:21

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

Tgt Ion: 42 Resp: 440501
Ion Ratio Lower Upper
42 100
72 46.7 36.6 54.8
71 43.4 34.3 51.5

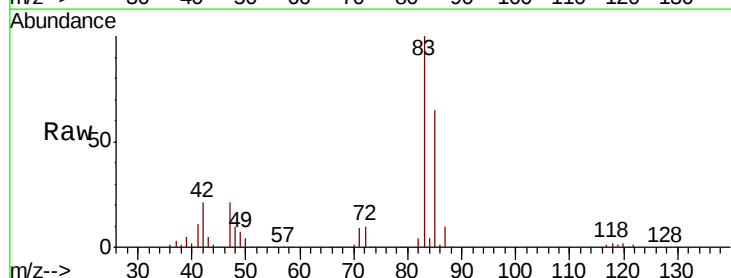


Abundance Ion 42.00 (41.70 to 42.70): VU0
Ion 72.00 (71.70 to 72.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

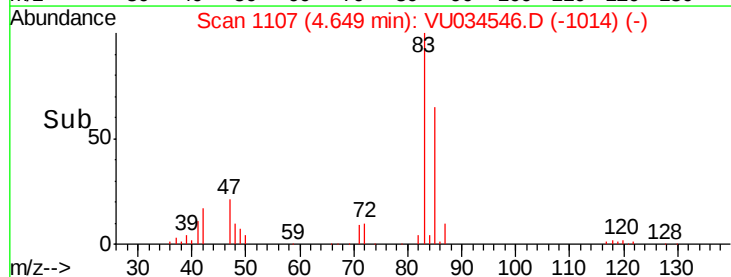
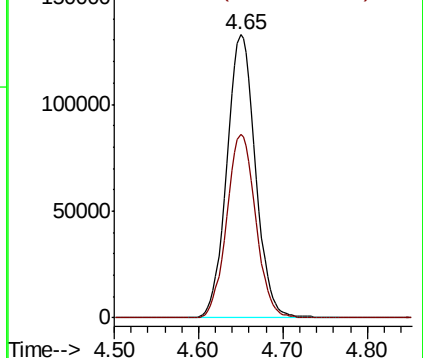


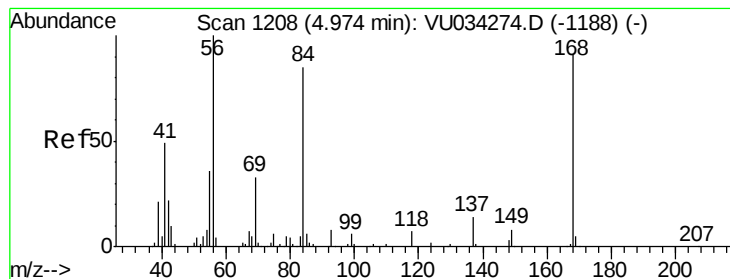
#30
Chloroform
Concen: 53.783 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034546.D
Acq: 13 Sep 2019 01:21

Tgt Ion: 83 Resp: 312900
Ion Ratio Lower Upper
83 100
85 64.8 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0





#31

Cyclohexane

Concen: 48.030 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

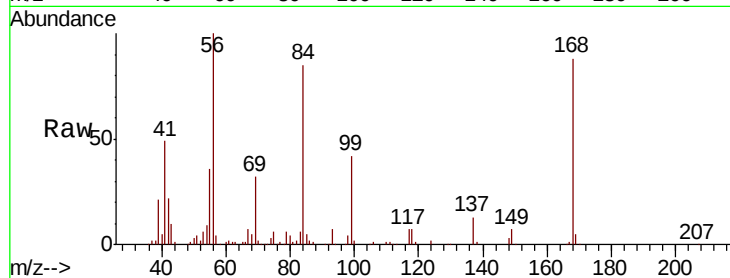
Tgt Ion: 56 Resp: 201115

Ion Ratio Lower Upper

56 100

69 32.2 26.7 40.1

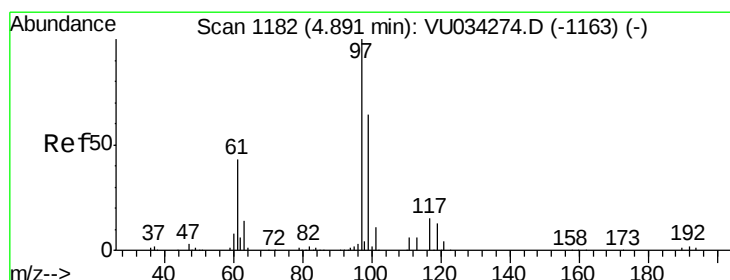
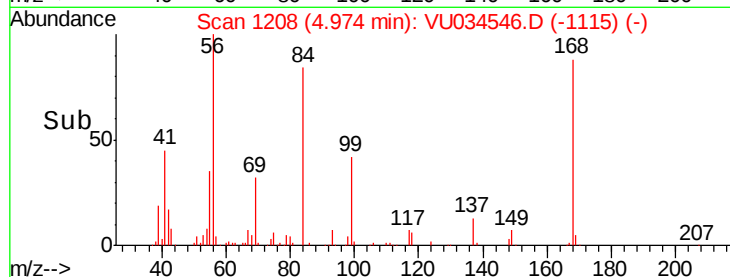
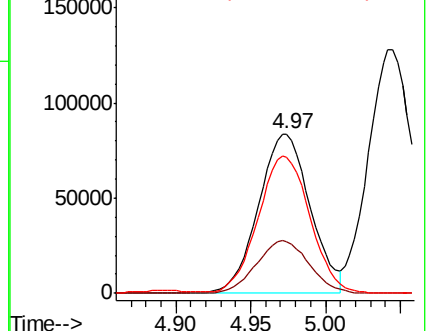
84 84.2 68.2 102.4



Abundance Ion 56.00 (55.70 to 56.70): VU034546.D (-1188) (-)

Ion 69.00 (68.70 to 69.70): VU034546.D (-1188) (-)

Ion 84.00 (83.70 to 84.70): VU034546.D (-1188) (-)



#32

1,1,1-Trichloroethane

Concen: 54.463 ug/l

RT: 4.89 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

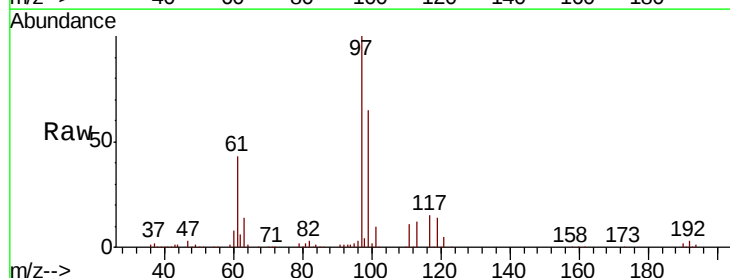
Tgt Ion: 97 Resp: 253333

Ion Ratio Lower Upper

97 100

99 63.8 50.9 76.3

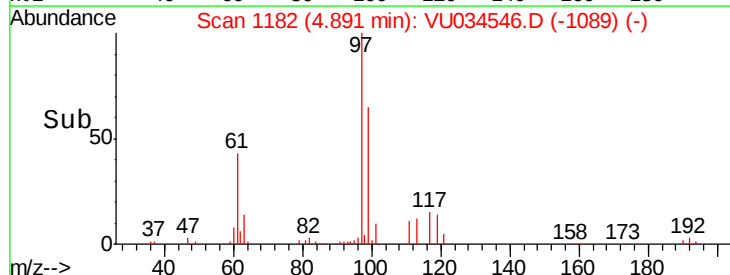
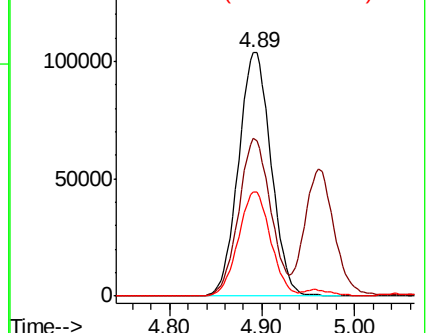
61 42.4 34.7 52.1

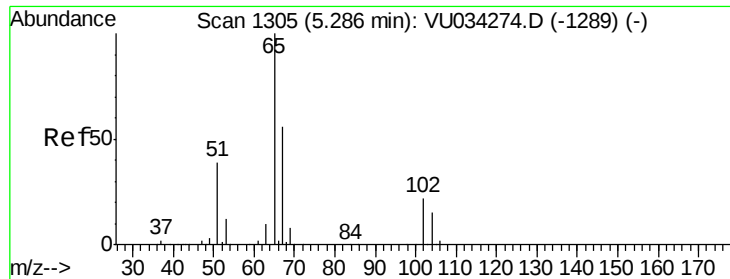


Abundance Ion 96.90 (96.60 to 97.60): VU034546.D (-1163) (-)

Ion 98.90 (98.60 to 99.60): VU034546.D (-1163) (-)

Ion 60.90 (60.60 to 61.60): VU034546.D (-1163) (-)

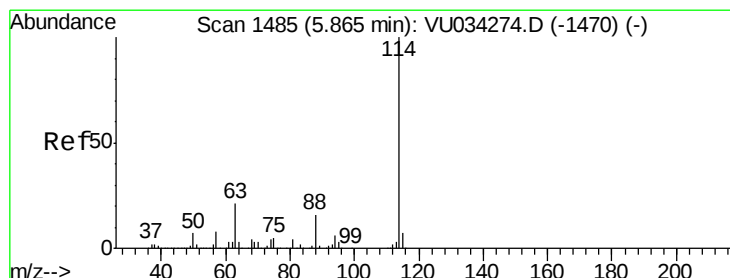
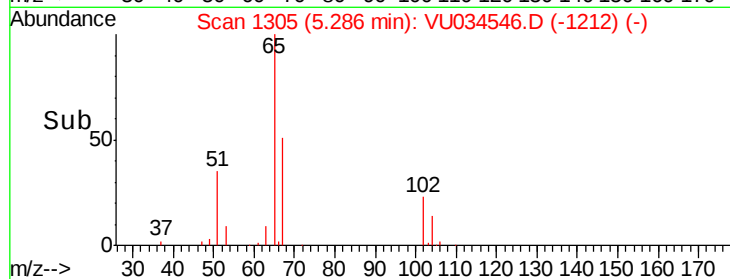
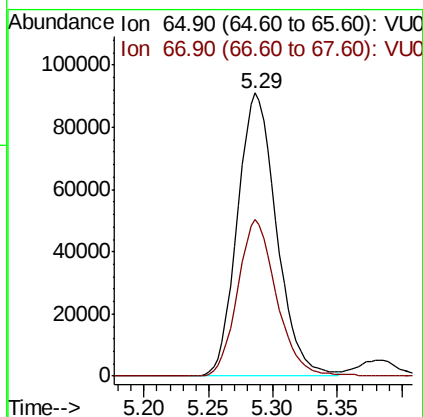
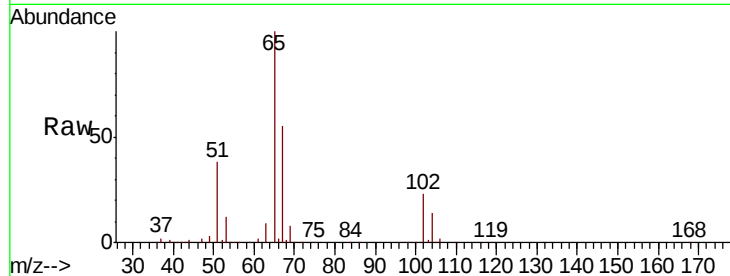




#33
 1,2-Dichloroethane-d4
 Concen: 53.818 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU034546.D
 Acq: 13 Sep 2019 01:21

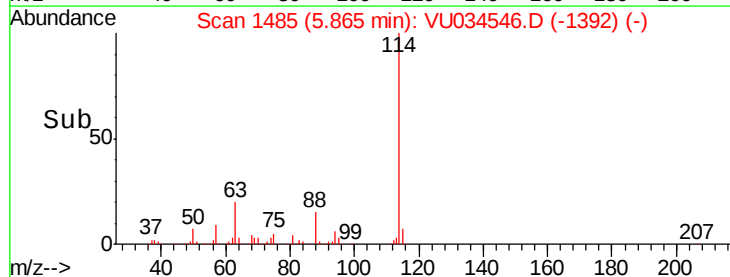
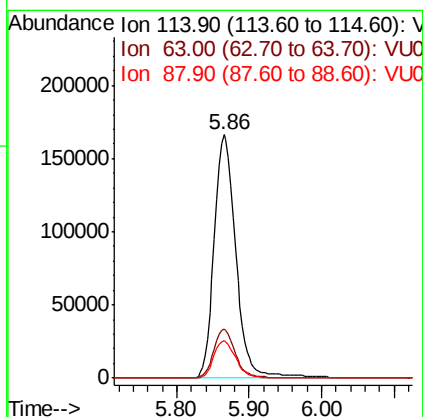
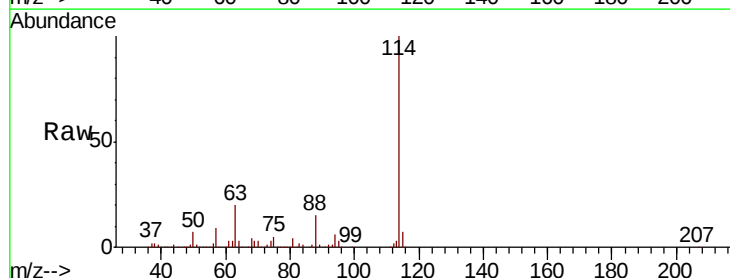
Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW09D-M27W1-090319MS

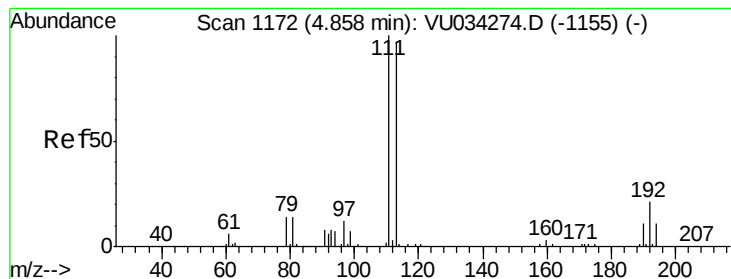
Tgt Ion: 65 Resp: 192391
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 112.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU034546.D
 Acq: 13 Sep 2019 01:21

Tgt Ion: 114 Resp: 345949
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 42.4
 88 15.4 0.0 32.4





#35

Dibromofluoromethane

Concen: 54.033 ug/l

RT: 4.86 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

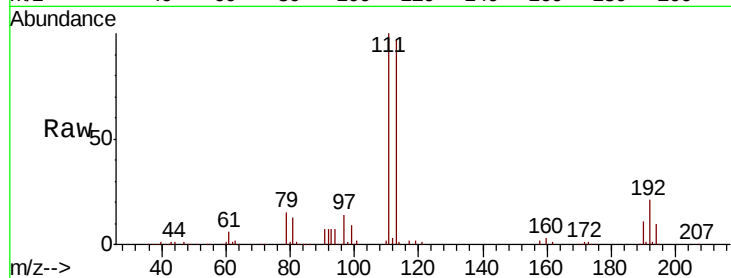
Tgt Ion: 113 Resp: 173935

Ion Ratio Lower Upper

113 100

111 102.7 81.5 122.3

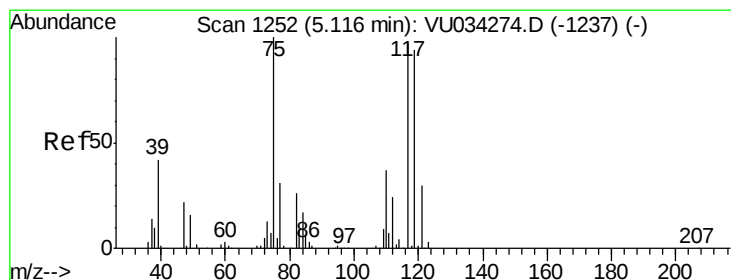
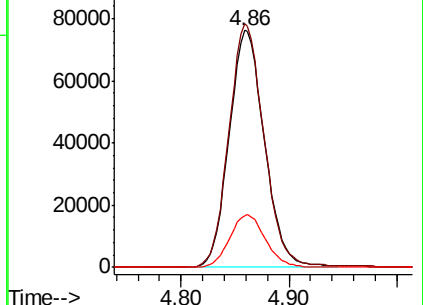
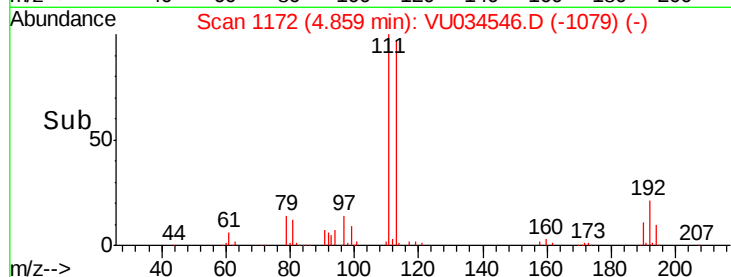
192 22.5 17.8 26.8



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: 51.343 ug/l

RT: 5.12 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

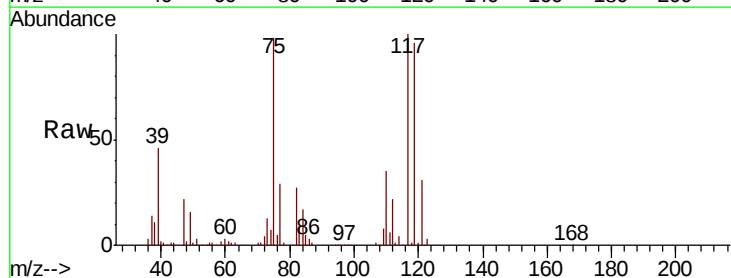
Tgt Ion: 75 Resp: 192630

Ion Ratio Lower Upper

75 100

110 35.9 18.3 54.9

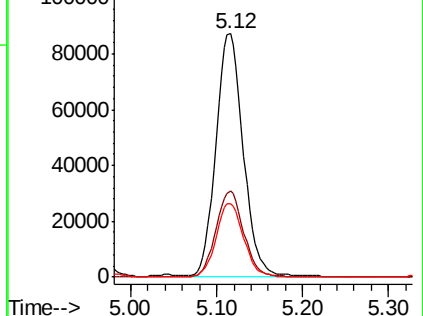
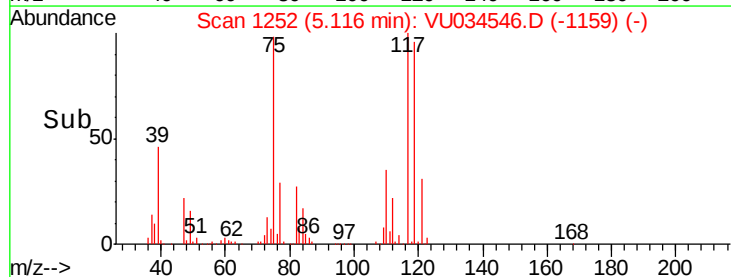
77 29.8 24.9 37.3

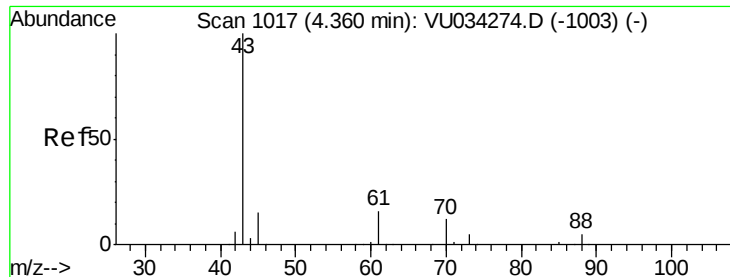


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

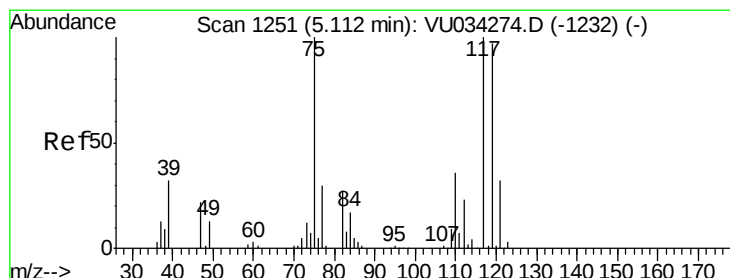
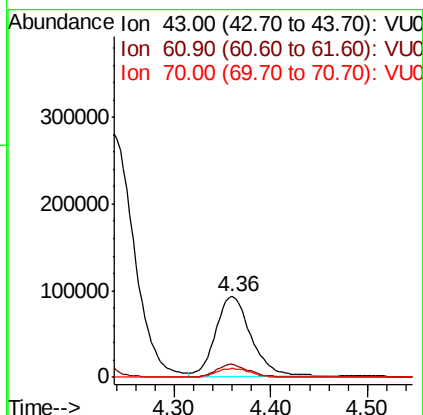
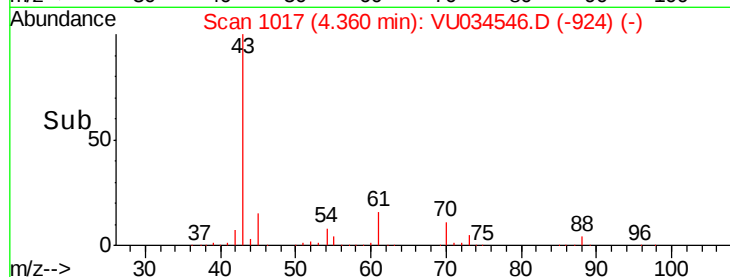
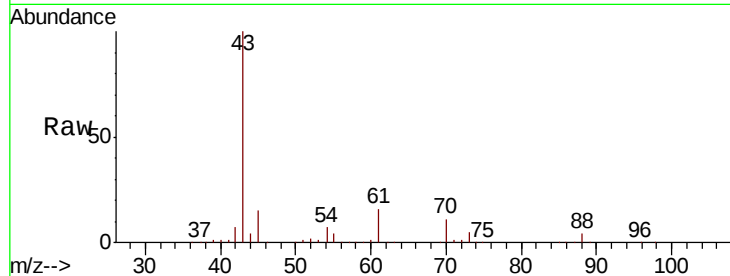




#37
Ethyl Acetate
Concen: 52.818 ug/l
RT: 4.36 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VU034546.D
Acq: 13 Sep 2019 01:21

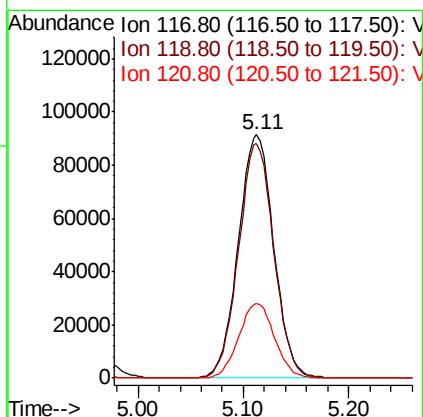
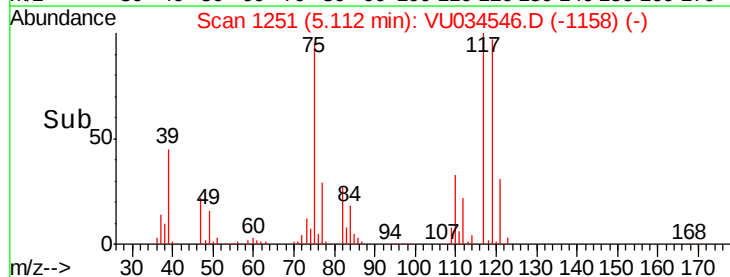
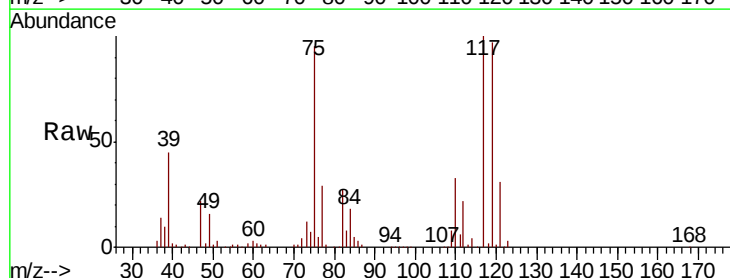
Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW09D-M27W1-090319MS

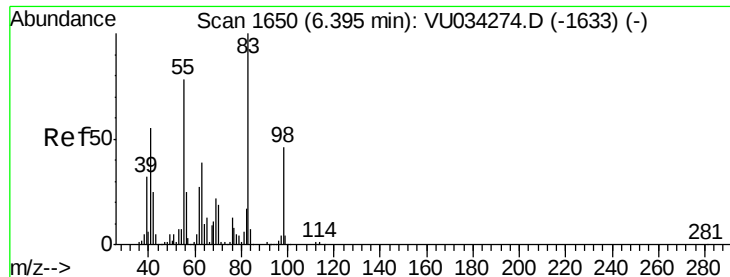
Tgt Ion: 43 Resp: 234295
Ion Ratio Lower Upper
43 100
61 14.5 12.3 18.5
70 11.0 9.1 13.7



#38
Carbon Tetrachloride
Concen: 53.447 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034546.D
Acq: 13 Sep 2019 01:21

Tgt Ion: 117 Resp: 214108
Ion Ratio Lower Upper
117 100
119 96.5 77.8 116.6
121 30.7 25.2 37.8

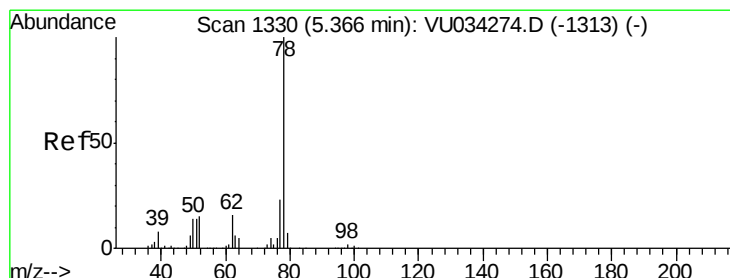
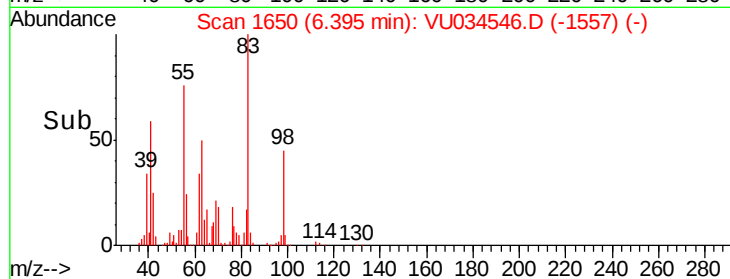
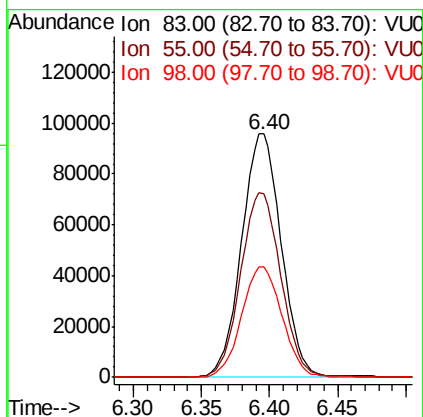
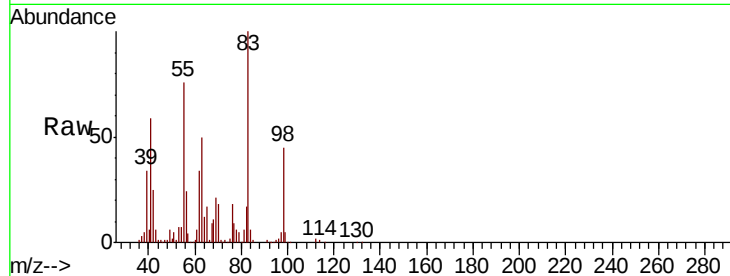




#39
Methylcyclohexane
Concen: 48.166 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034546.D
Acq: 13 Sep 2019 01:21

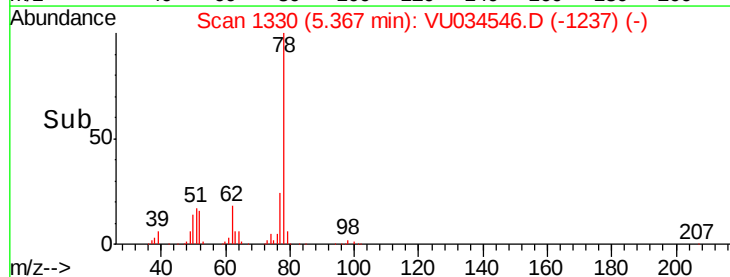
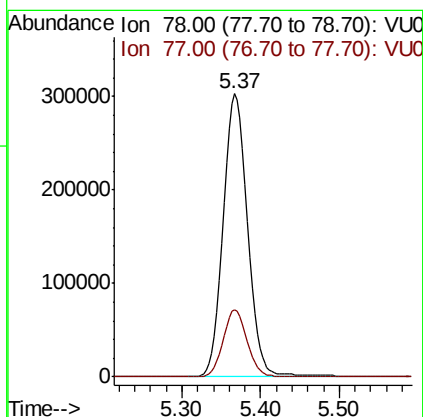
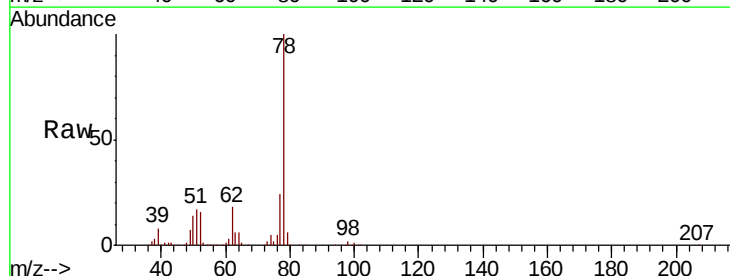
Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW09D-M27W1-090319MS

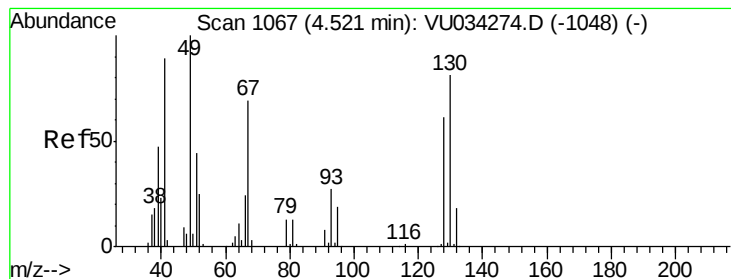
Tgt Ion: 83 Resp: 193180
Ion Ratio Lower Upper
83 100
55 75.5 62.1 93.1
98 45.3 37.0 55.6



#40
Benzene
Concen: 53.668 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034546.D
Acq: 13 Sep 2019 01:21

Tgt Ion: 78 Resp: 649717
Ion Ratio Lower Upper
78 100
77 23.9 18.7 28.1





#41

Methacrylonitrile

Concen: 59.388 ug/l

RT: 4.52 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

Tgt Ion: 41 Resp: 140324

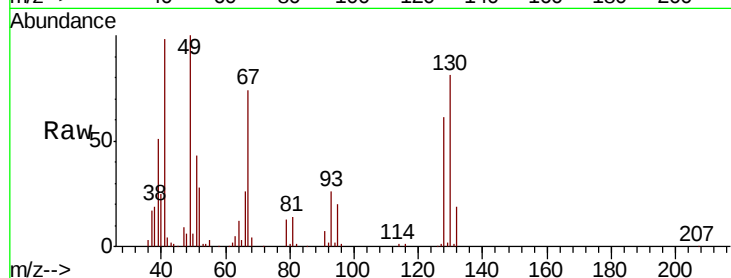
Ion Ratio Lower Upper

41 100

39 51.6 41.0 61.4

67 78.9 62.4 93.6

52 29.1 23.6 35.4



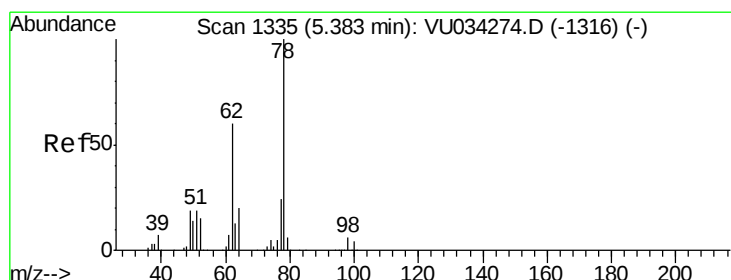
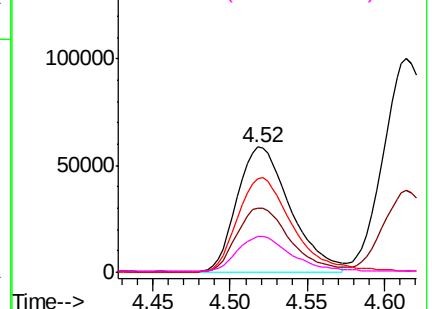
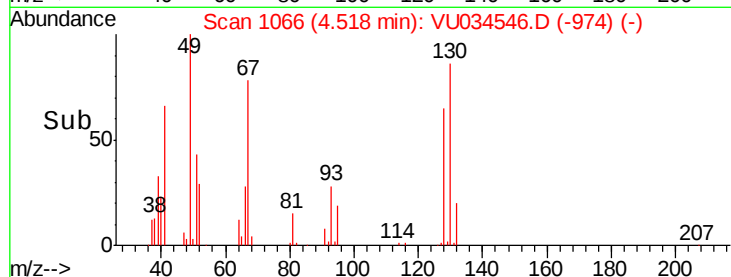
Abundance

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42

1,2-Dichloroethane

Concen: 53.968 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU034546.D

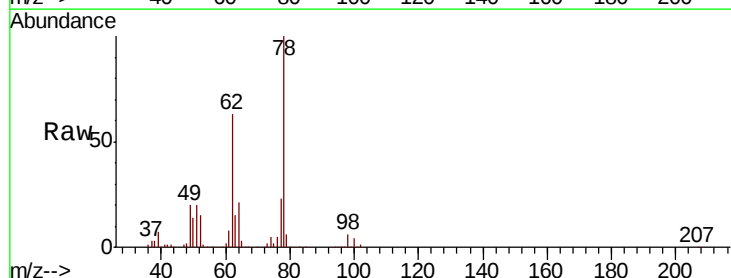
Acq: 13 Sep 2019 01:21

Tgt Ion: 62 Resp: 226839

Ion Ratio Lower Upper

62 100

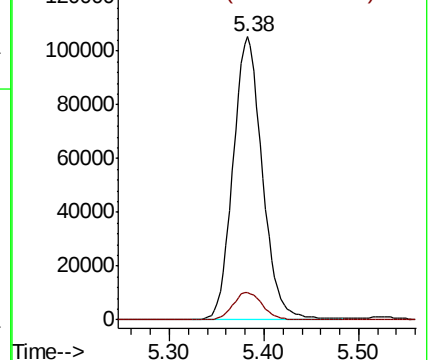
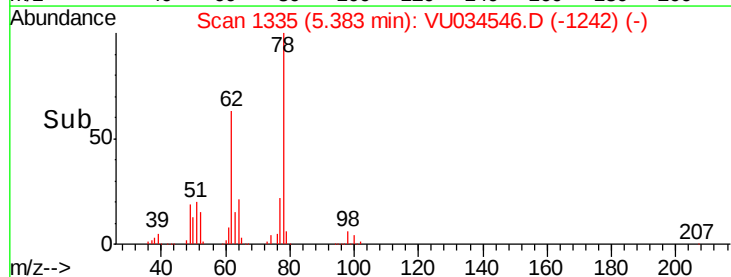
98 9.8 0.0 20.0

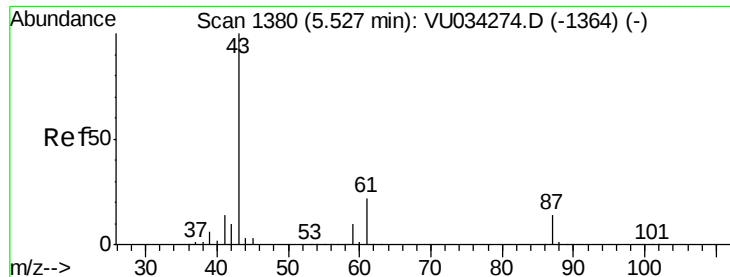


Abundance

Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 54.299 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

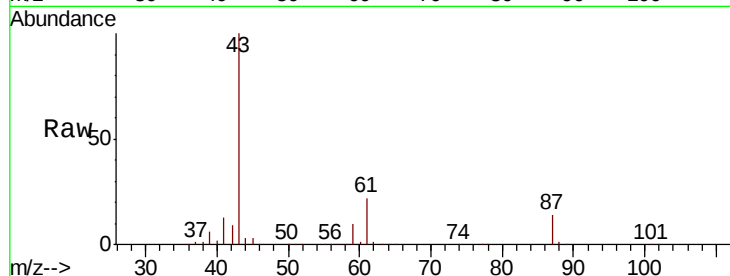
Tgt Ion: 43 Resp: 375748

Ion Ratio Lower Upper

43 100

61 21.6 17.1 25.7

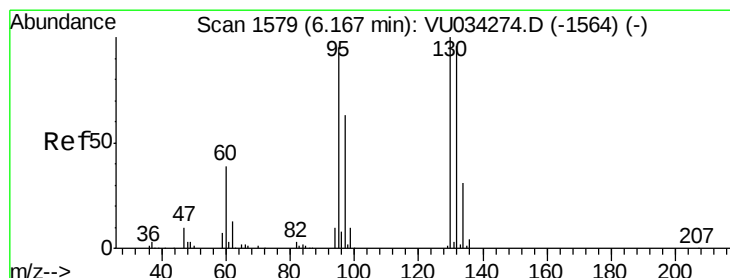
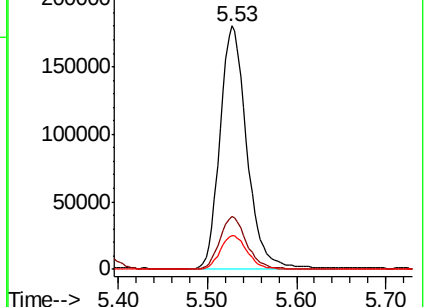
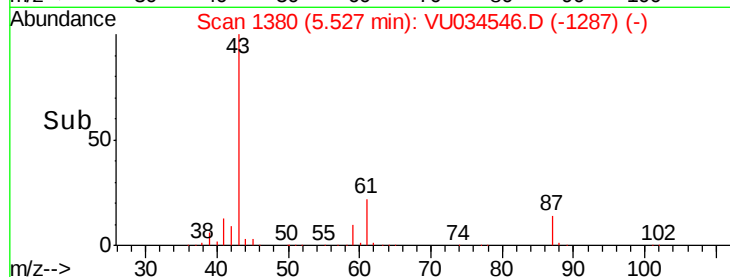
87 14.2 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VU034546.D (-1287) (-)

Ion 61.00 (60.70 to 61.70): VU034546.D (-1287) (-)

Ion 87.00 (86.70 to 87.70): VU034546.D (-1287) (-)



#44

Trichloroethene

Concen: 53.233 ug/l

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU034546.D

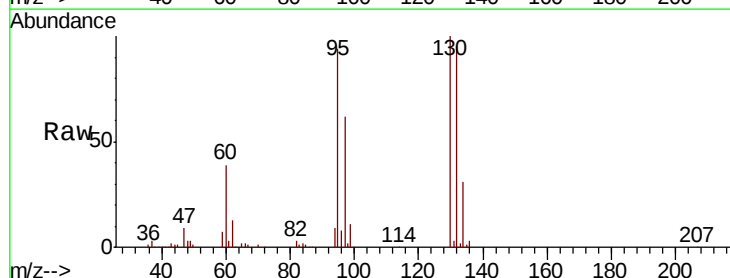
Acq: 13 Sep 2019 01:21

Tgt Ion: 130 Resp: 178335

Ion Ratio Lower Upper

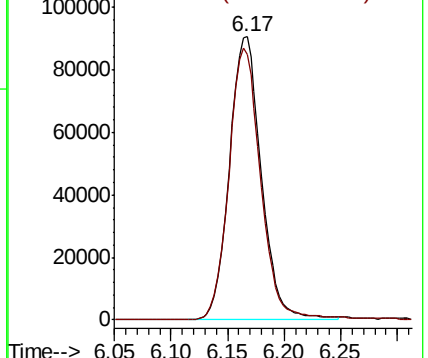
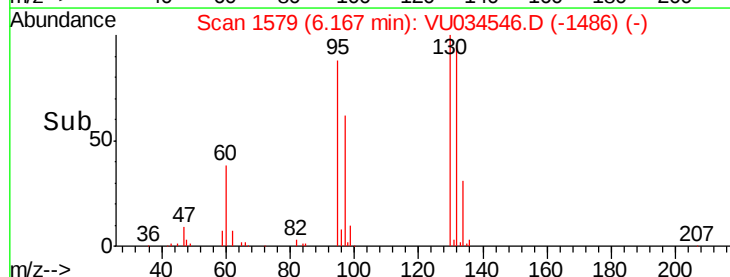
130 100

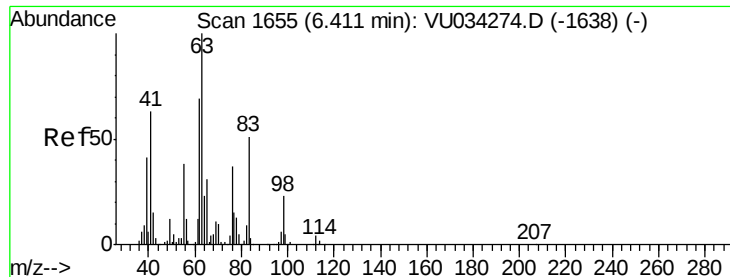
95 93.9 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): VU034546.D (-1486) (-)

Ion 94.90 (94.60 to 95.60): VU034546.D (-1486) (-)





#45

1,2-Dichloropropane

Concen: 54.270 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Instrument :

MSVOA_U

ClientSampleId :

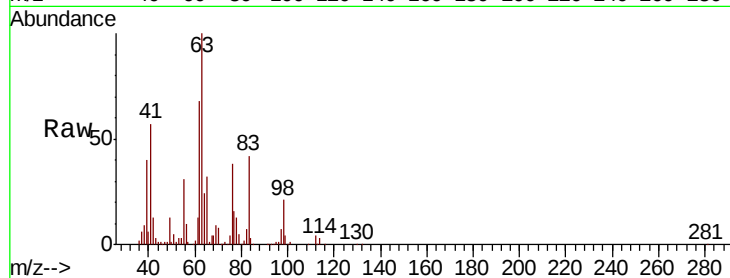
CPA-CPMW09D-M27W1-090319MS

Tgt Ion: 63 Resp: 192070

Ion Ratio Lower Upper

63 100

65 31.8 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VU034274.D (-1638) (-)

Ion 64.90 (64.60 to 65.60): VU034274.D (-1638) (-)

6.41

100000

80000

60000

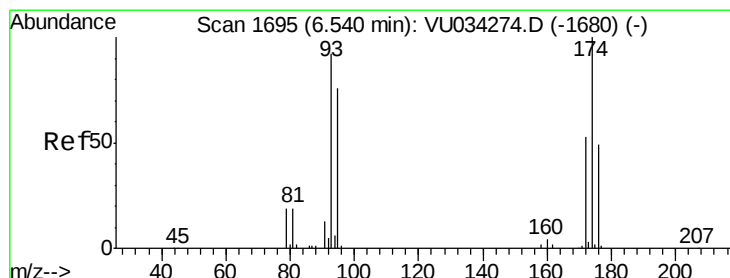
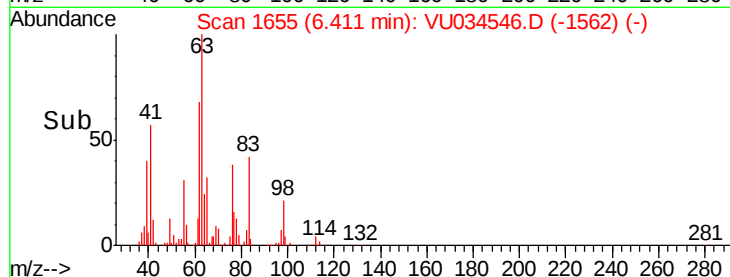
40000

20000

0

6.30 6.35 6.40 6.45 6.50

Time-->



#46

Dibromomethane

Concen: 53.990 ug/l

RT: 6.54 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

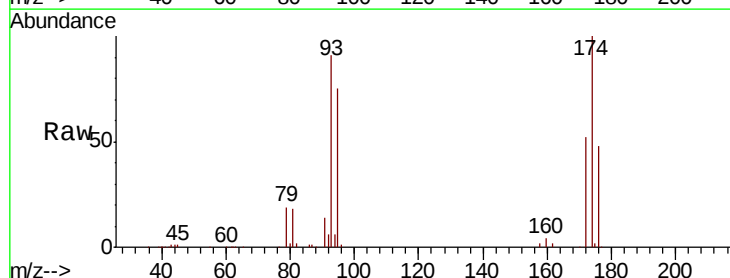
Tgt Ion: 93 Resp: 119943

Ion Ratio Lower Upper

93 100

95 83.2 66.5 99.7

174 112.0 87.8 131.6



Abundance Ion 92.80 (92.50 to 93.50): VU034274.D (-1680) (-)

Ion 94.80 (94.50 to 95.50): VU034274.D (-1680) (-)

Ion 173.70 (173.40 to 174.40): VU034274.D (-1680) (-)

6.54

80000

60000

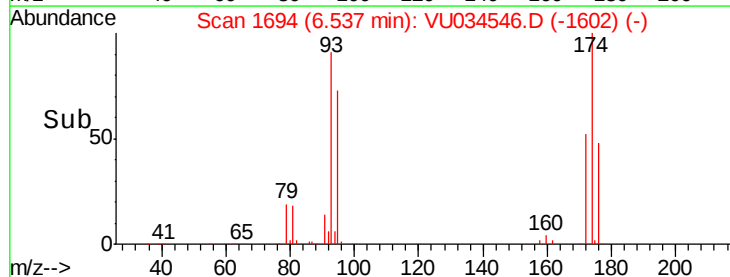
40000

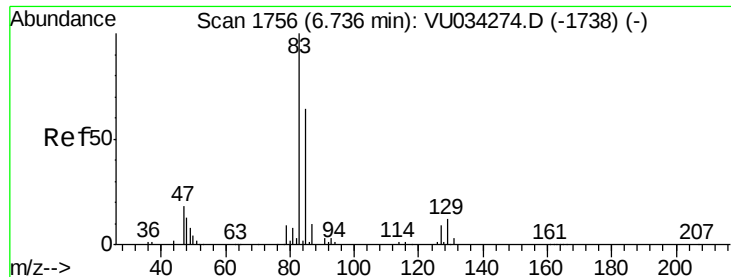
20000

0

6.45 6.50 6.55 6.60 6.65

Time-->





#47

Bromodichloromethane

Concen: 54.272 ug/l

RT: 6.73 min Scan# 1755

Delta R.T. -0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

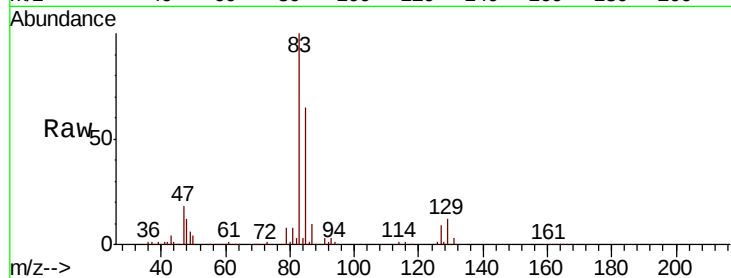
Tgt Ion: 83 Resp: 248182

Ion Ratio Lower Upper

83 100

85 64.8 51.1 76.7

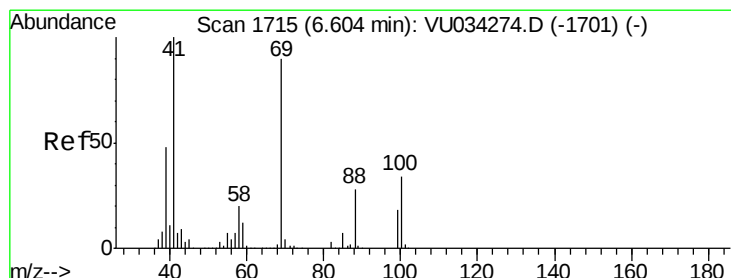
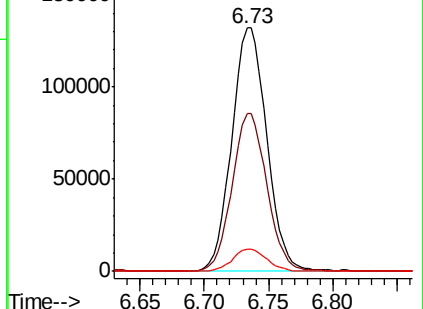
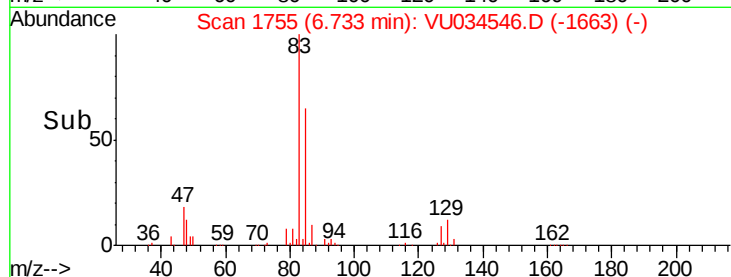
127 9.1 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VU034546.D (-1663) (-)

Ion 84.90 (84.60 to 85.60): VU034546.D (-1663) (-)

Ion 126.80 (126.50 to 127.50): VU034546.D (-1663) (-)



#48

Methyl methacrylate

Concen: 56.358 ug/l

RT: 6.60 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

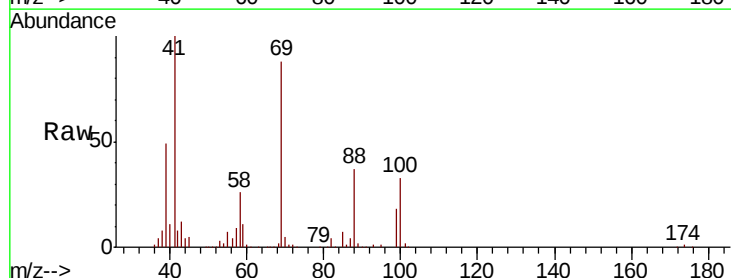
Tgt Ion: 41 Resp: 185231

Ion Ratio Lower Upper

41 100

69 91.8 72.8 109.2

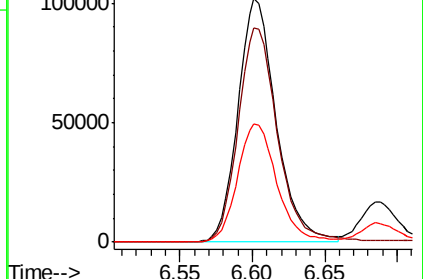
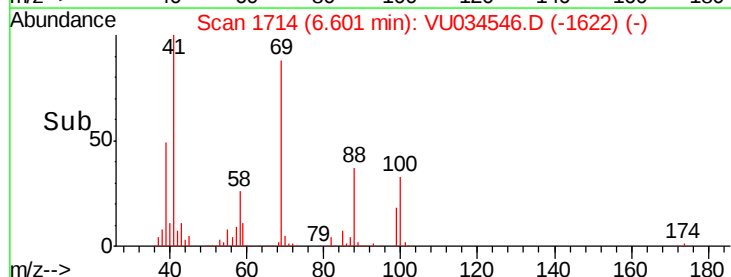
39 50.0 38.6 58.0

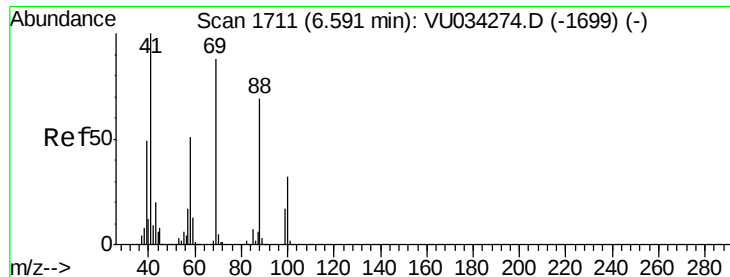


Abundance Ion 41.00 (40.70 to 41.70): VU034546.D (-1622) (-)

Ion 69.00 (68.70 to 69.70): VU034546.D (-1622) (-)

Ion 39.00 (38.70 to 39.70): VU034546.D (-1622) (-)

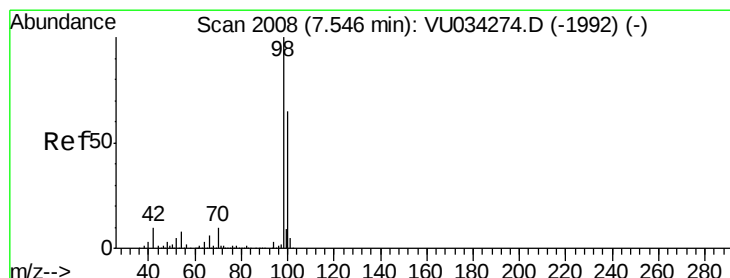
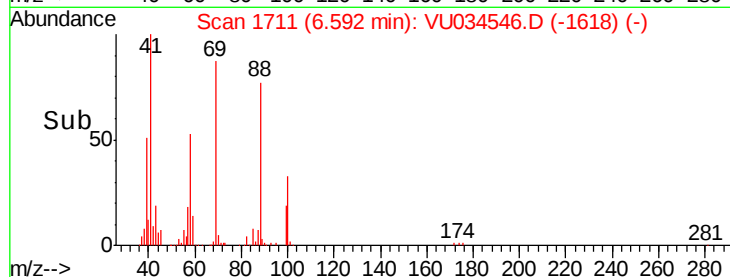
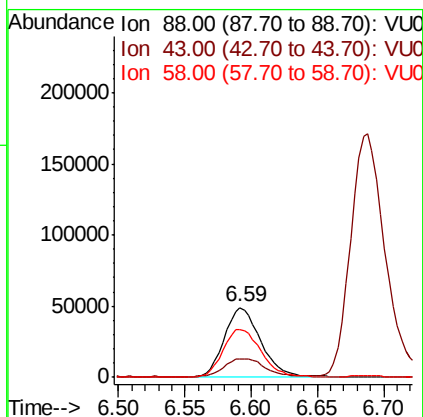
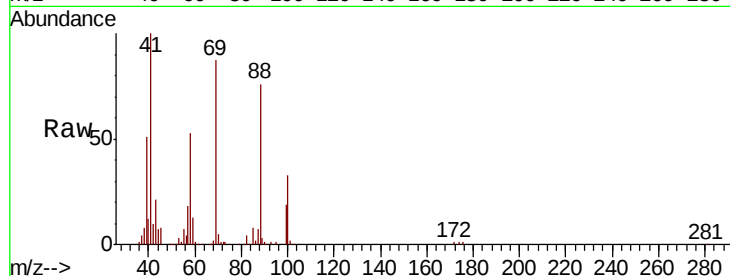




#49
1,4-Dioxane
Concen: 1293.290 ug/l
RT: 6.59 min Scan# 1711
Delta R.T. 0.00 min
Lab File: VU034546.D
Acq: 13 Sep 2019 01:21

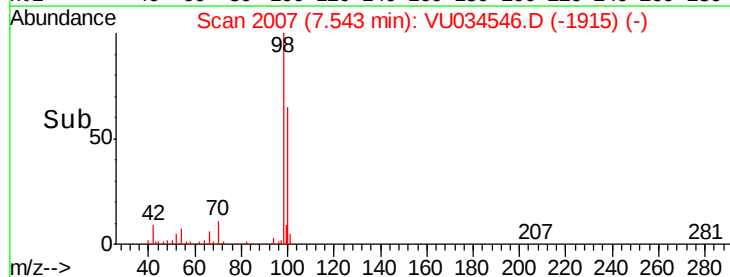
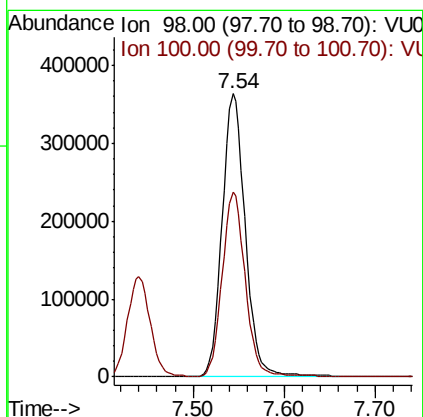
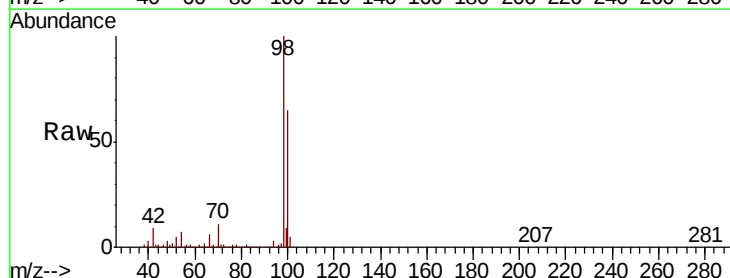
Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW09D-M27W1-090319MS

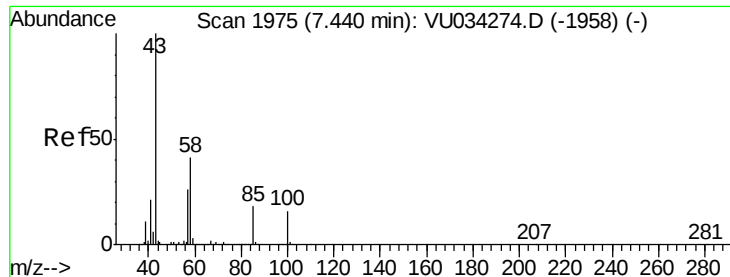
Tgt Ion: 88 Resp: 92819
Ion Ratio Lower Upper
88 100
43 28.5 23.8 35.6
58 73.2 58.4 87.6



#50
Toluene-d8
Concen: 53.324 ug/l
RT: 7.54 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VU034546.D
Acq: 13 Sep 2019 01:21

Tgt Ion: 98 Resp: 644904
Ion Ratio Lower Upper
98 100
100 64.1 51.7 77.5

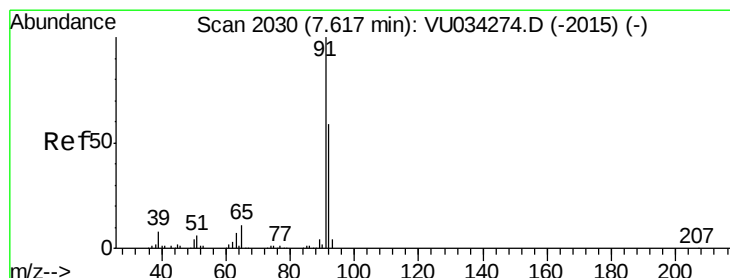
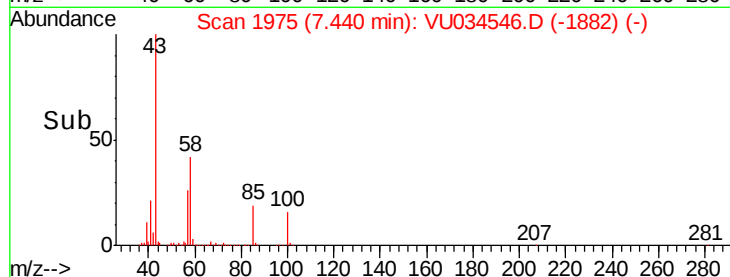
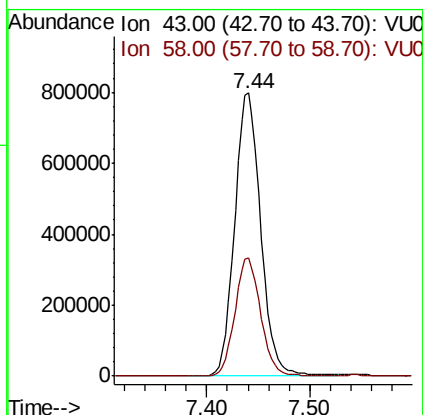
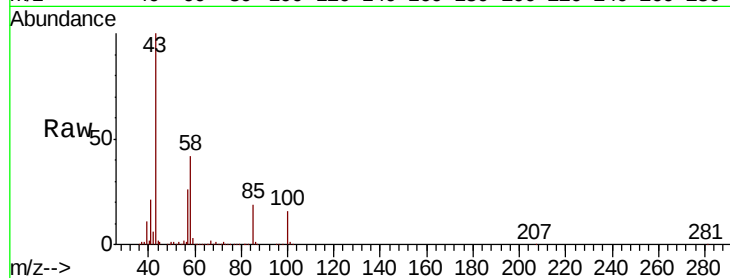




#51
 4-Methyl-2-Pentanone
 Concen: 292.348 ug/l
 RT: 7.44 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VU034546.D
 Acq: 13 Sep 2019 01:21

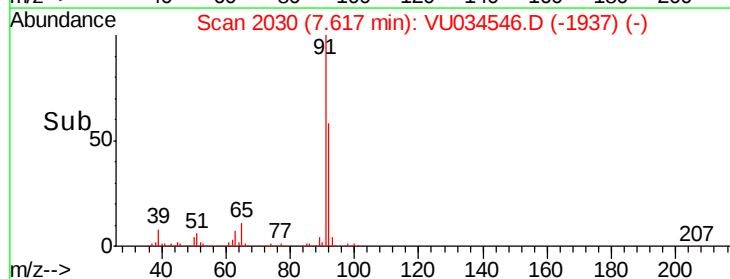
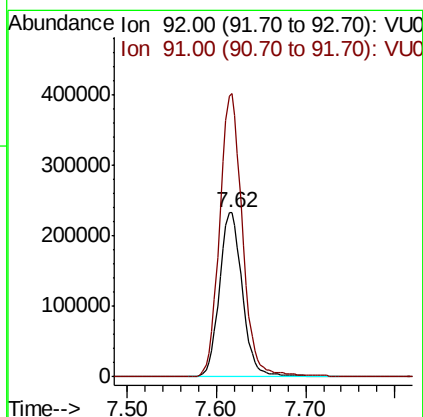
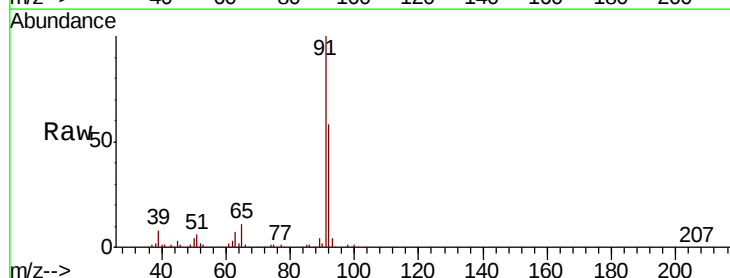
Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW09D-M27W1-090319MS

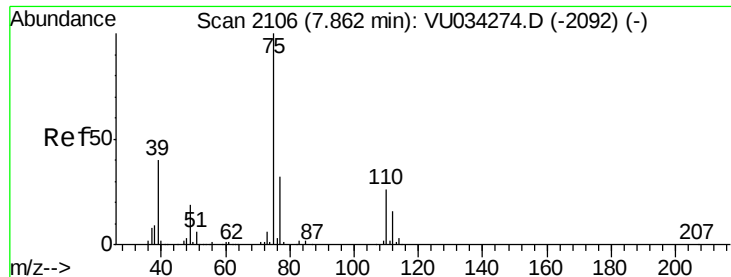
Tgt Ion: 43 Resp: 1400343
 Ion Ratio Lower Upper
 43 100
 58 41.5 33.0 49.4



#52
 Toluene
 Concen: 55.174 ug/l
 RT: 7.62 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: VU034546.D
 Acq: 13 Sep 2019 01:21

Tgt Ion: 92 Resp: 419013
 Ion Ratio Lower Upper
 92 100
 91 171.0 136.6 205.0

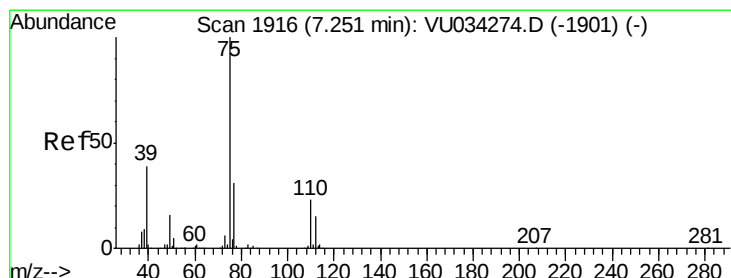
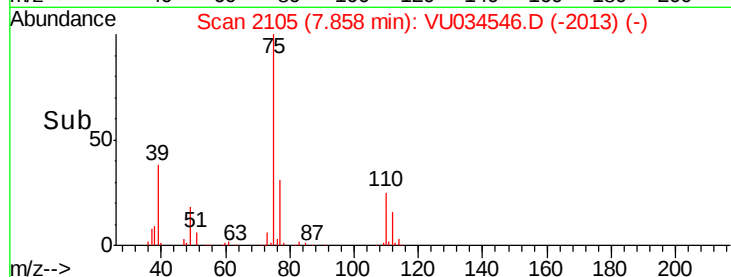
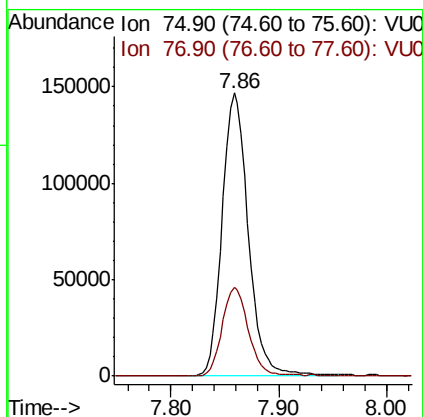
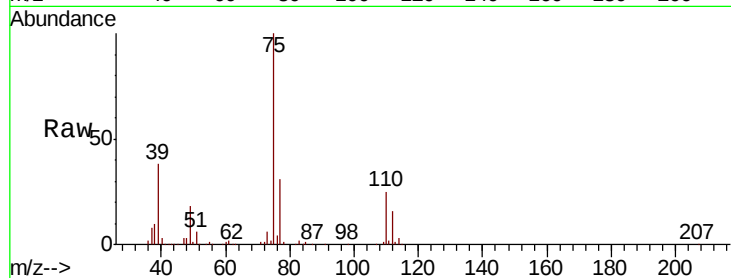




#53
 t-1,3-Dichloropropene
 Concen: 52.477 ug/l
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VU034546.D
 Acq: 13 Sep 2019 01:21

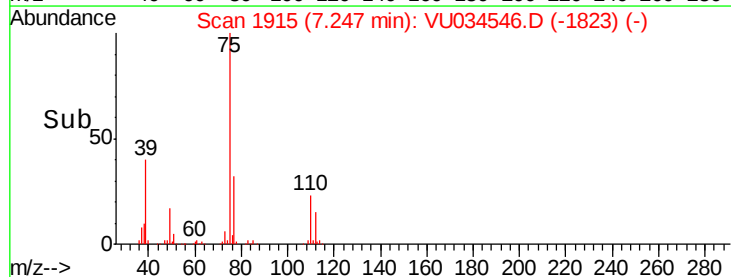
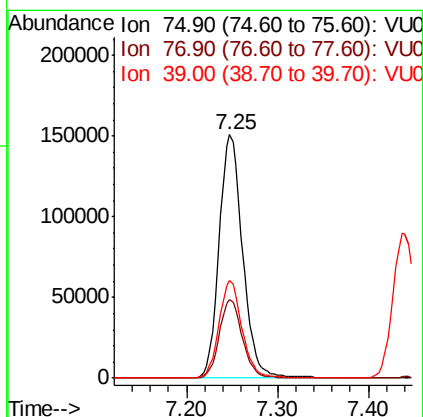
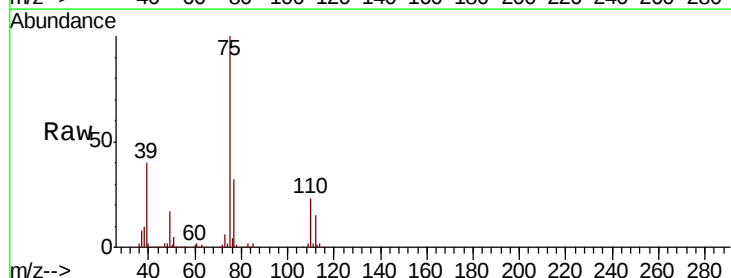
Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW09D-M27W1-090319MS

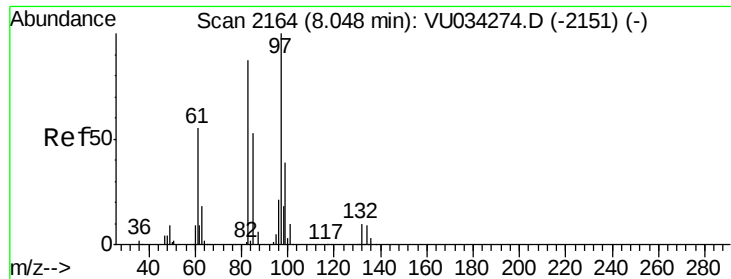
Tgt Ion: 75 Resp: 248760
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.7 38.5



#54
 cis-1,3-Dichloropropene
 Concen: 52.076 ug/l
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VU034546.D
 Acq: 13 Sep 2019 01:21

Tgt Ion: 75 Resp: 270937
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.1 37.7
 39 40.2 31.2 46.8





#55

1,1,2-Trichloroethane

Concen: 55.341 ug/l

RT: 8.04 min Scan# 2163

Delta R.T. -0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

Tgt Ion: 97 Resp: 190837

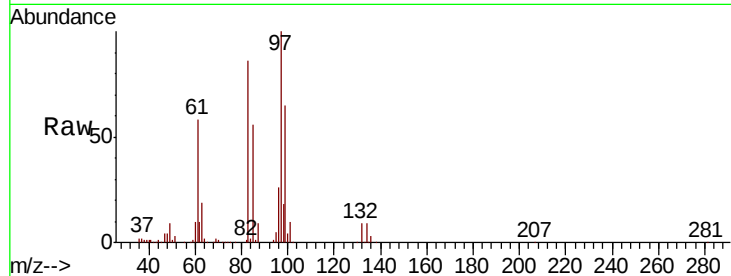
Ion Ratio Lower Upper

97 100

83 86.2 69.0 103.6

85 55.7 44.2 66.2

99 64.3 49.4 74.0

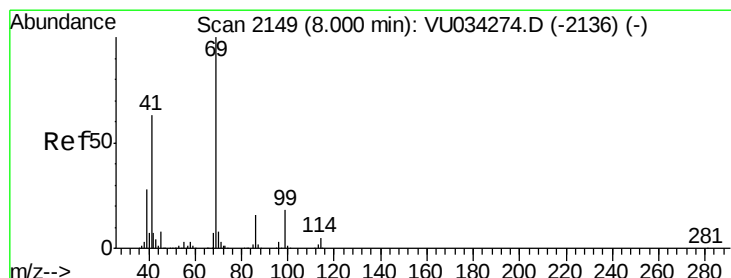
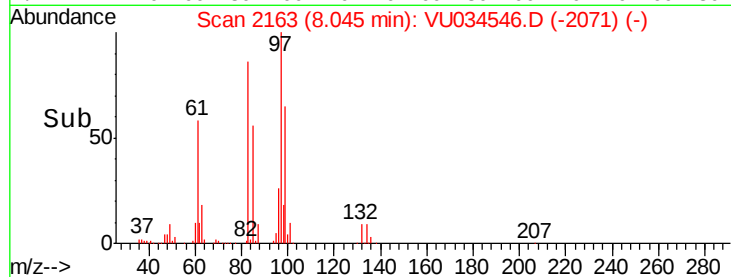
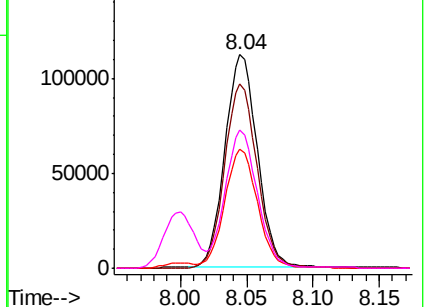


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56

Ethyl methacrylate

Concen: 53.304 ug/l

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

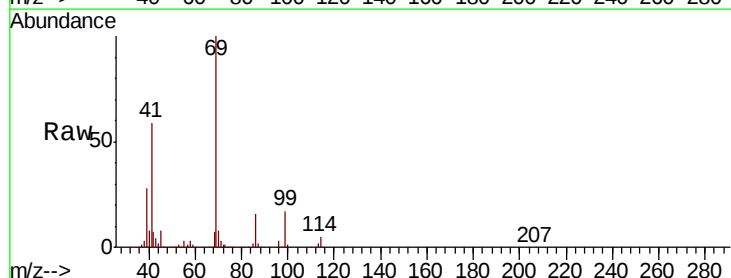
Tgt Ion: 69 Resp: 280401

Ion Ratio Lower Upper

69 100

41 60.1 49.5 74.3

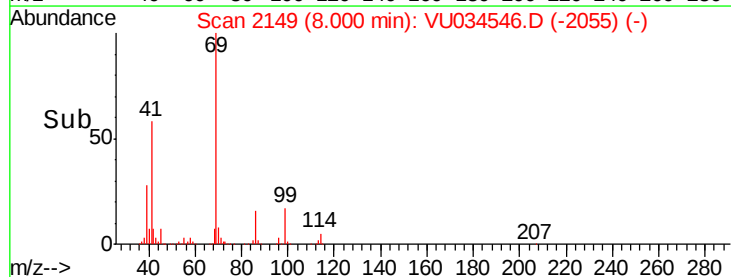
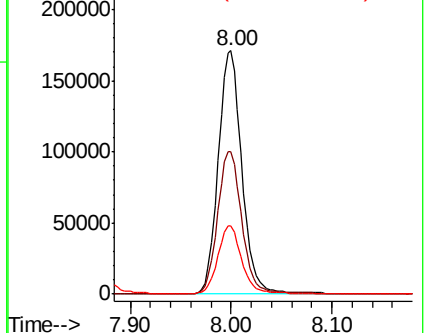
39 28.1 22.5 33.7

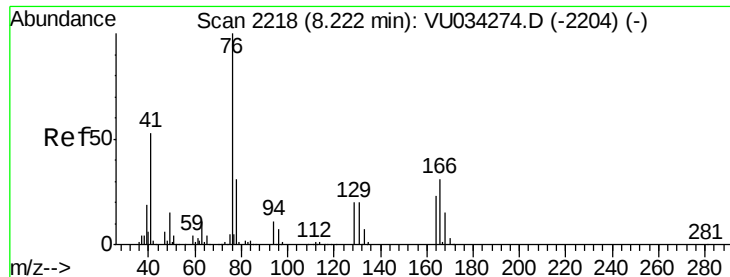


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 55.557 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Instrument :

MSVOA_U

ClientSampleId :

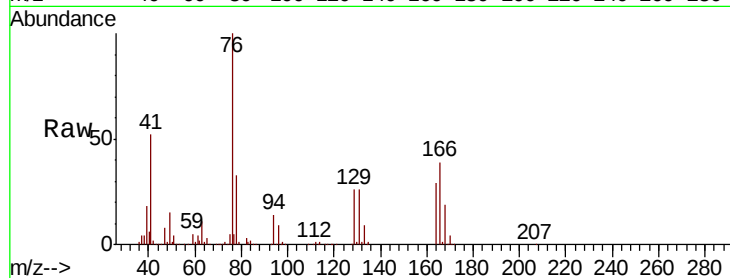
CPA-CPMW09D-M27W1-090319MS

Tgt Ion: 76 Resp: 311966

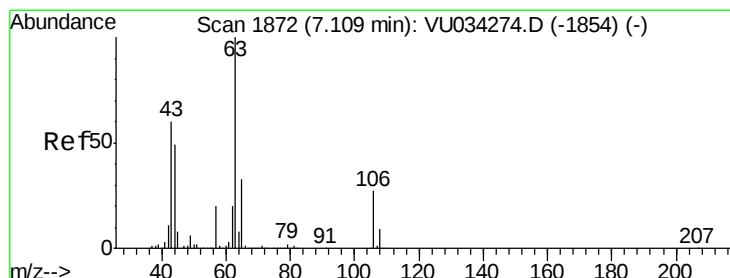
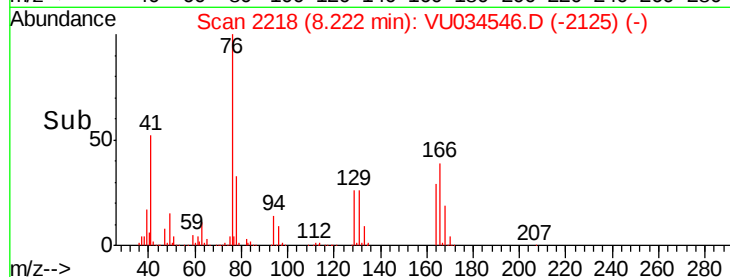
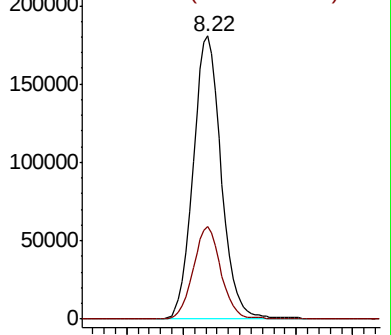
Ion Ratio Lower Upper

76 100

78 32.3 25.4 38.2



Abundance Ion 75.90 (75.60 to 76.60): VU034546.D (-2125) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 17.735 ug/l

RT: 7.08 min Scan# 1864

Delta R.T. -0.03 min

Lab File: VU034546.D

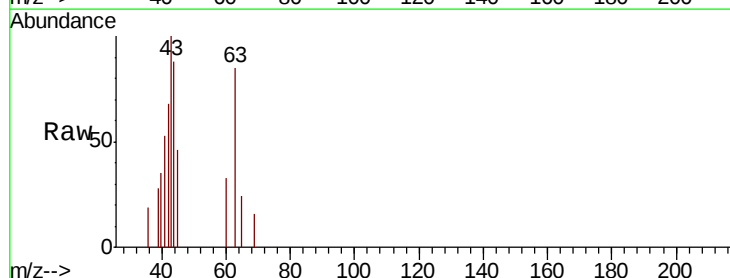
Acq: 13 Sep 2019 01:21

Tgt Ion: 63 Resp: 2126

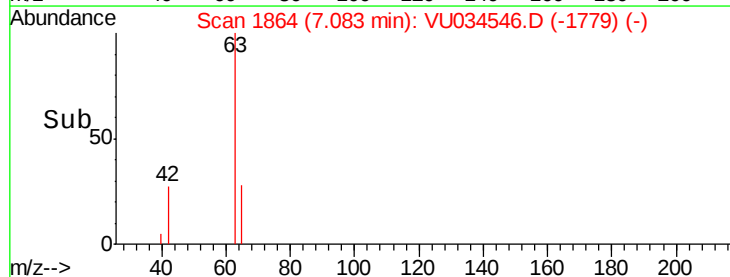
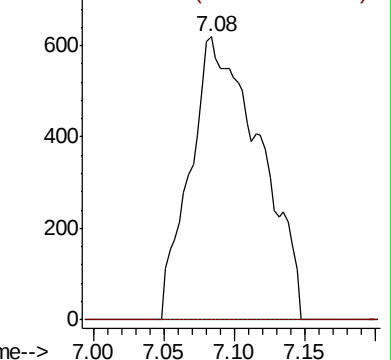
Ion Ratio Lower Upper

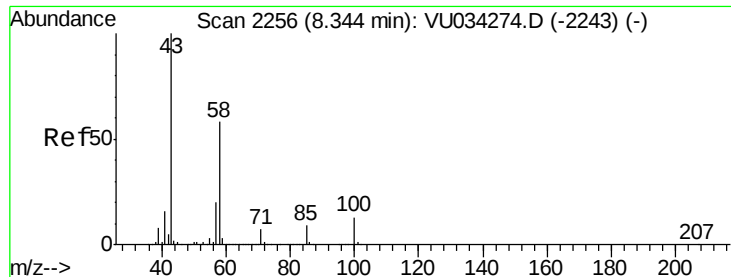
63 100

106 0.0 21.6 32.4#



Abundance Ion 62.90 (62.60 to 63.60): VU034546.D (-1779) (-)

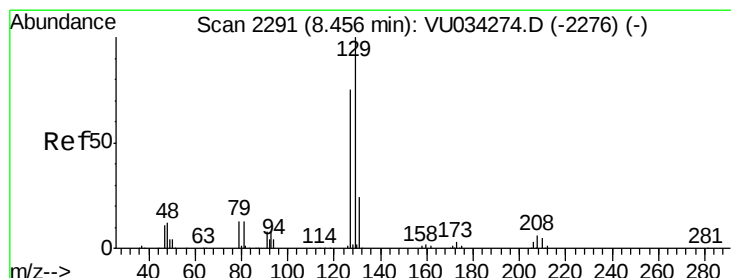
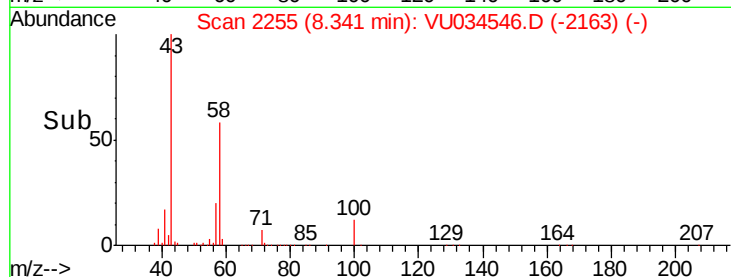
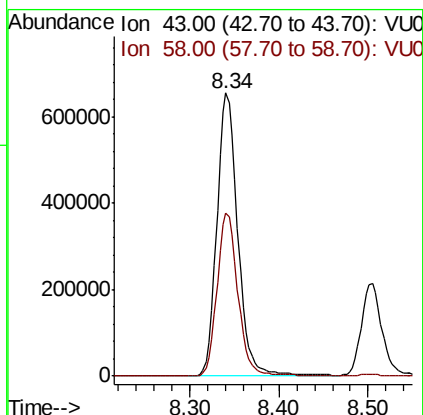
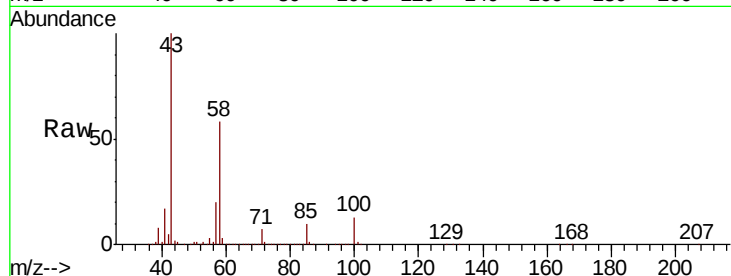




#59
2-Hexanone
Concen: 297.208 ug/l
RT: 8.34 min Scan# 2255
Delta R.T. -0.00 min
Lab File: VU034546.D
Acq: 13 Sep 2019 01:21

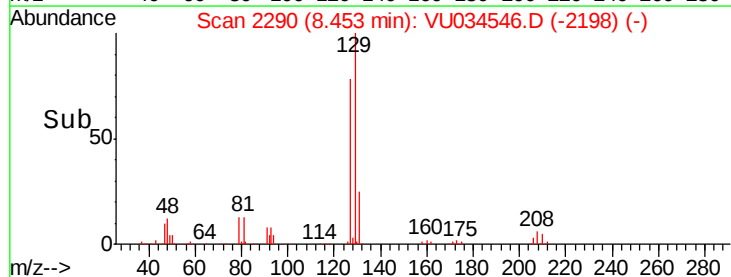
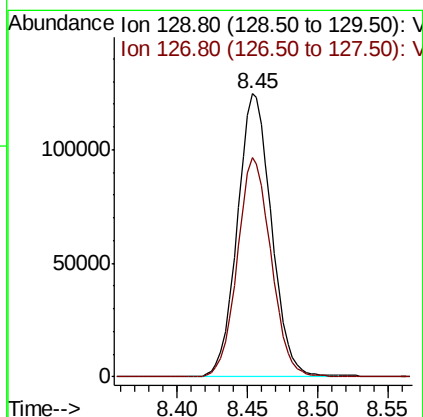
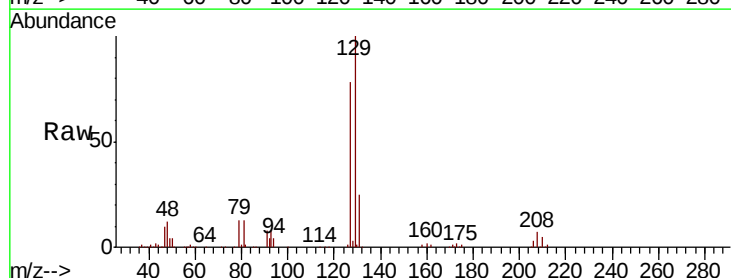
Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW09D-M27W1-090319MS

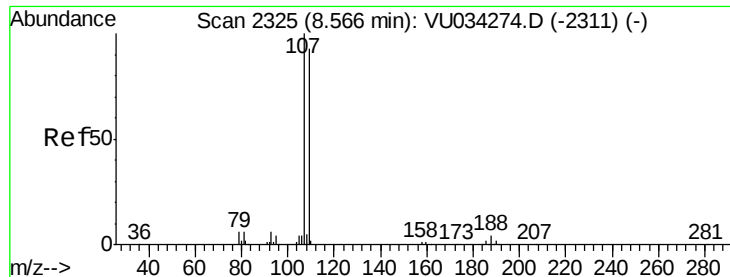
Tgt Ion: 43 Resp: 1063521
Ion Ratio Lower Upper
43 100
58 57.9 28.8 86.5



#60
Dibromochloromethane
Concen: 57.086 ug/l
RT: 8.45 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VU034546.D
Acq: 13 Sep 2019 01:21

Tgt Ion: 129 Resp: 211145
Ion Ratio Lower Upper
129 100
127 76.7 37.9 113.7





#61

1,2-Dibromoethane

Concen: 54.998 ug/l

RT: 8.56 min Scan# 2324

Delta R.T. -0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Instrument :

MSVOA_U

ClientSampleId :

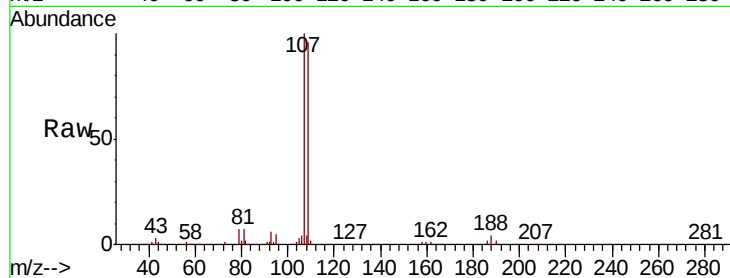
CPA-CPMW09D-M27W1-090319MS

Tgt Ion: 107 Resp: 185629

Ion Ratio Lower Upper

107 100

109 95.7 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.56

120000

100000

80000

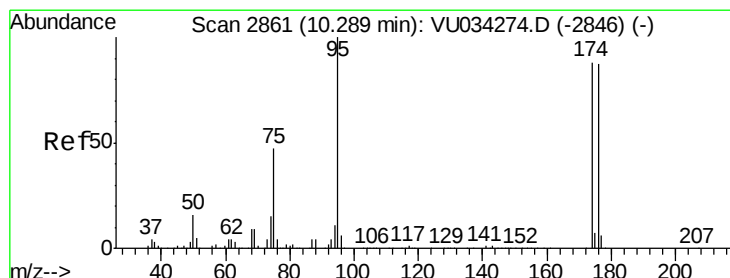
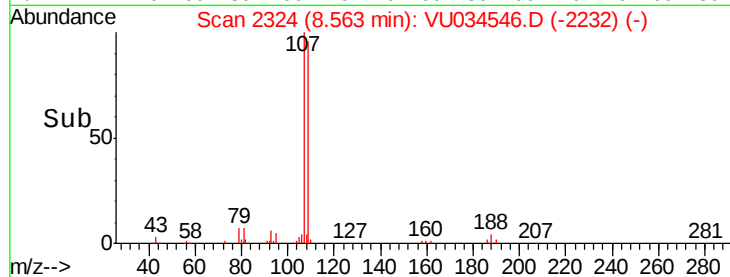
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 53.913 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

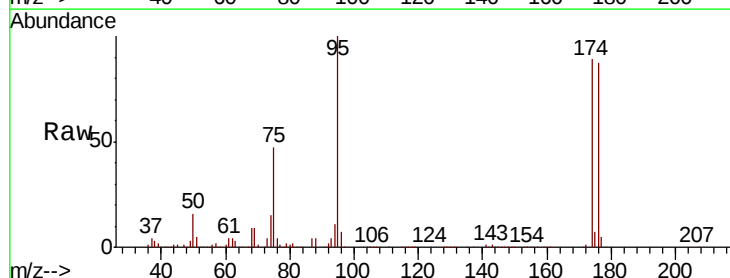
Tgt Ion: 95 Resp: 251743

Ion Ratio Lower Upper

95 100

174 88.8 0.0 175.2

176 85.6 0.0 168.0



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

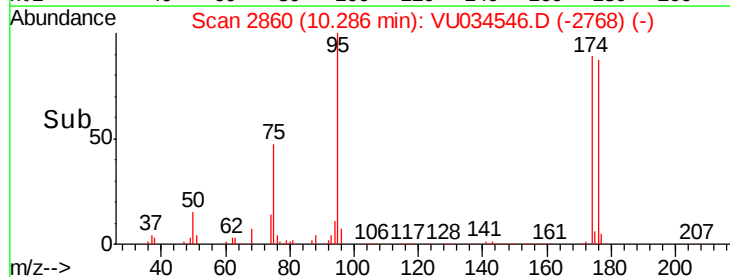
150000

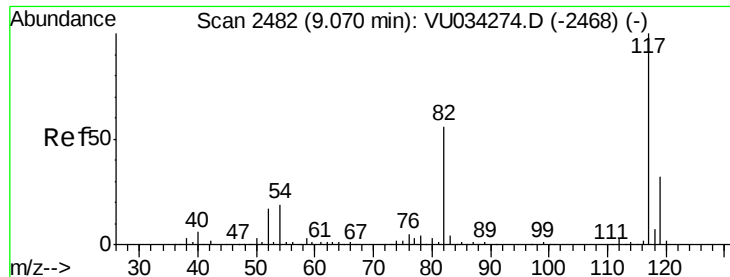
100000

50000

0

Time-->

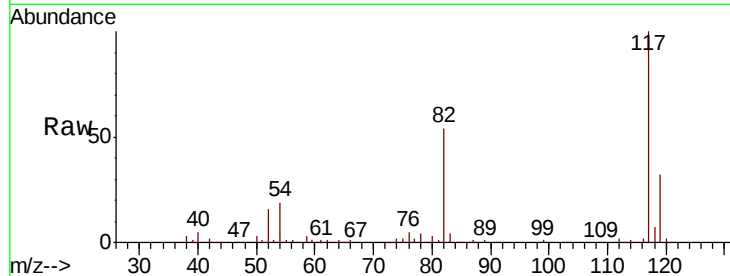




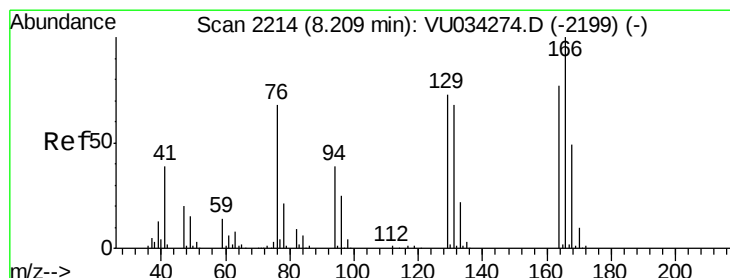
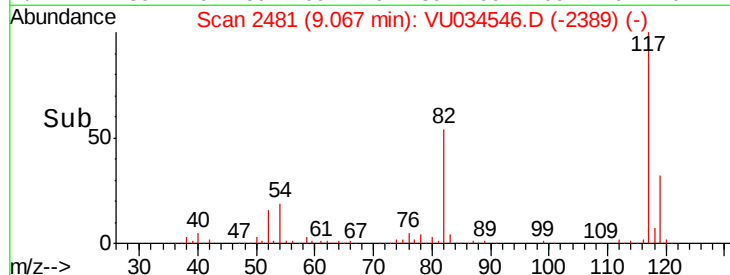
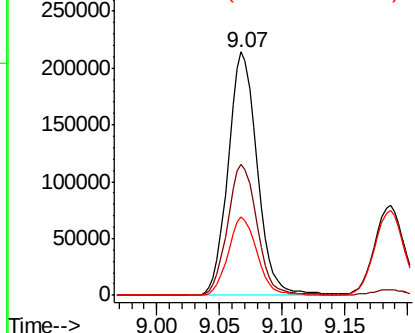
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2481
Delta R.T. -0.00 min
Lab File: VU034546.D
Acq: 13 Sep 2019 01:21

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

Tgt Ion:117 Resp: 345924
Ion Ratio Lower Upper
117 100
82 53.8 44.6 67.0
119 32.0 25.9 38.9



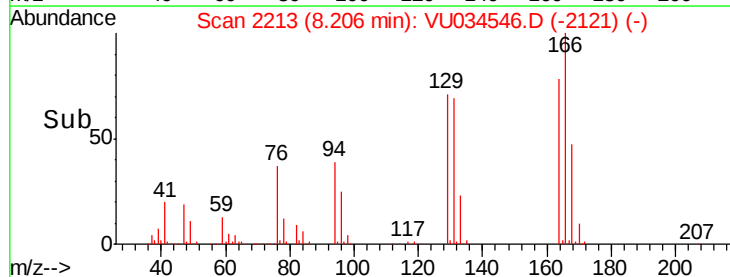
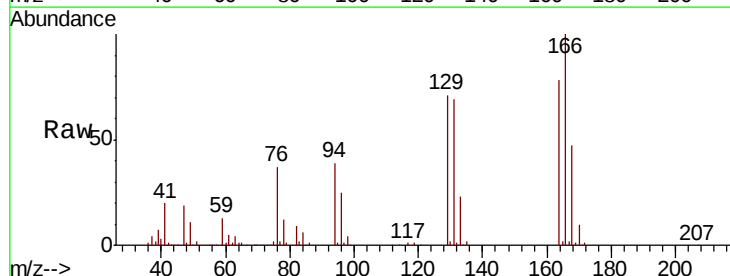
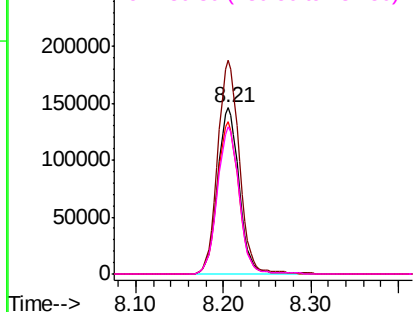
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

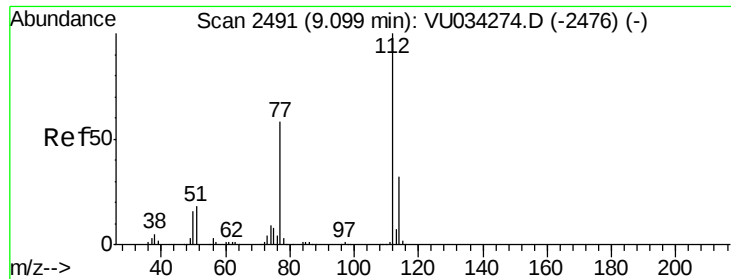


#64
Tetrachloroethene
Concen: 83.384 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034546.D
Acq: 13 Sep 2019 01:21

Tgt Ion:164 Resp: 250242
Ion Ratio Lower Upper
164 100
166 128.6 103.7 155.5
129 91.4 75.8 113.8
131 88.7 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

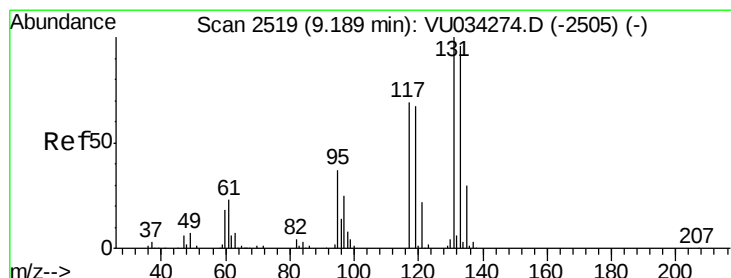
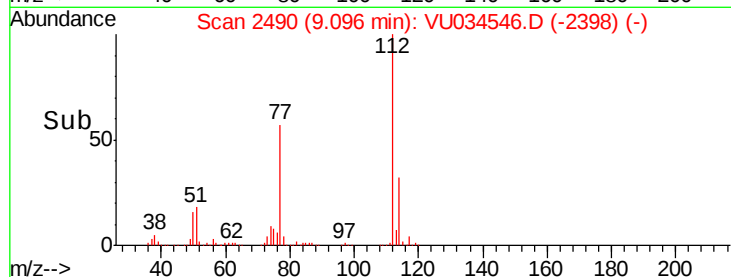
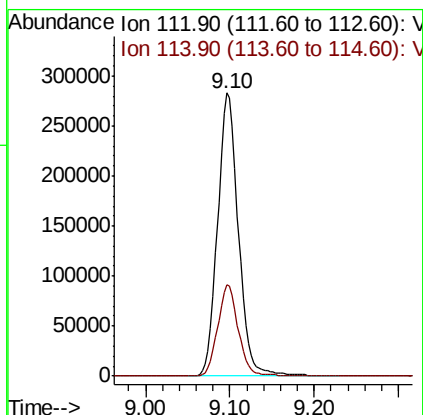
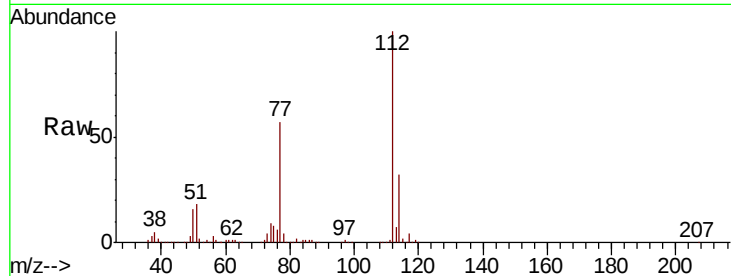




#65
Chlorobenzene
Concen: 55.296 ug/l
RT: 9.10 min Scan# 2490
Delta R.T. -0.00 min
Lab File: VU034546.D
Acq: 13 Sep 2019 01:21

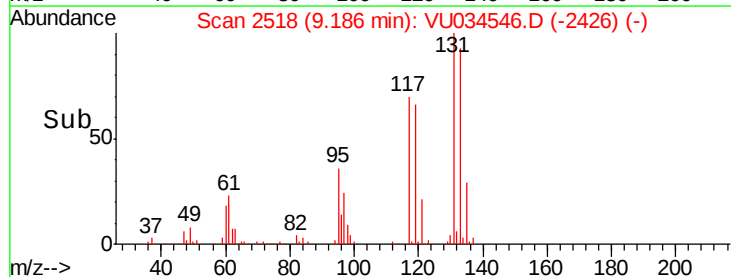
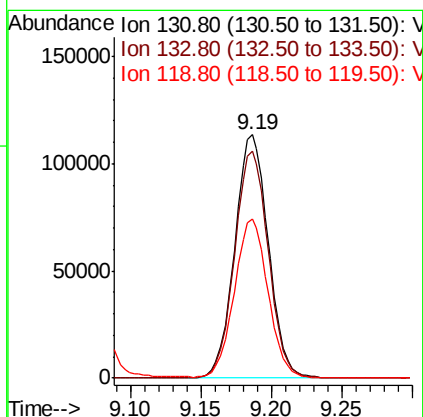
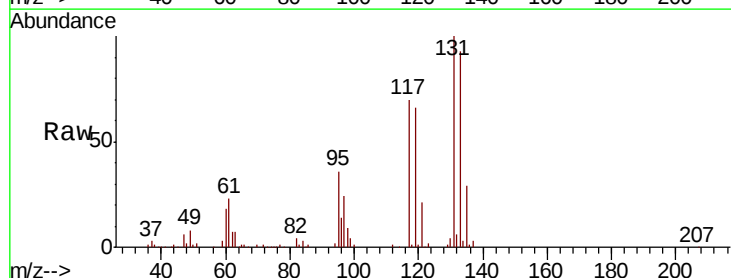
Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW09D-M27W1-090319MS

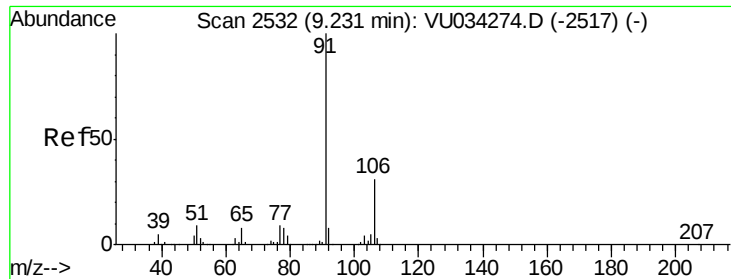
Tgt Ion:112 Resp: 485288
Ion Ratio Lower Upper
112 100
114 32.2 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 56.540 ug/l
RT: 9.19 min Scan# 2518
Delta R.T. -0.00 min
Lab File: VU034546.D
Acq: 13 Sep 2019 01:21

Tgt Ion:131 Resp: 189370
Ion Ratio Lower Upper
131 100
133 94.0 47.9 143.7
119 66.2 33.1 99.5





#67

Ethyl Benzene

Concen: 56.224 ug/l

RT: 9.23 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Instrument :

MSVOA_U

ClientSampleId :

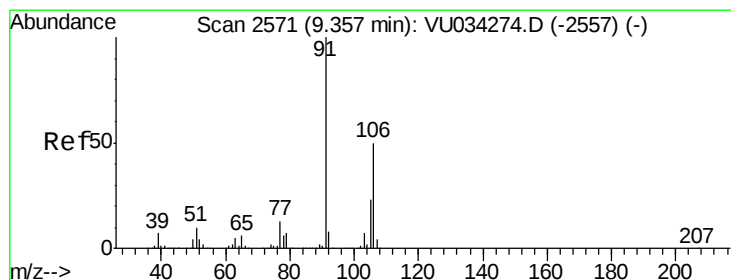
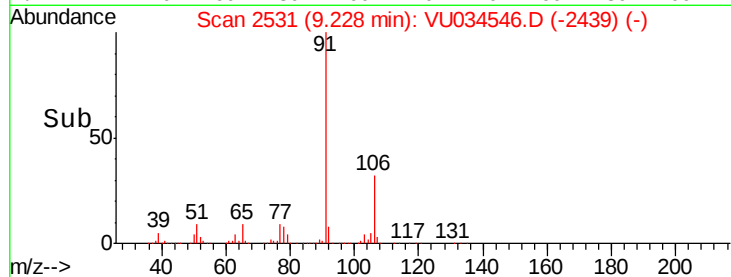
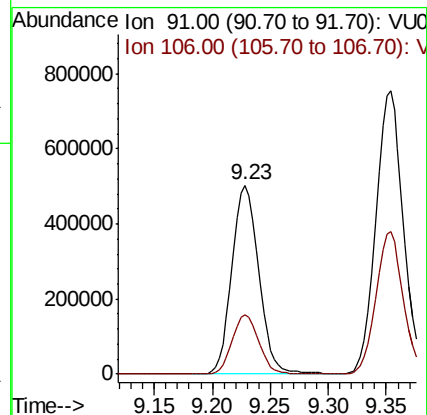
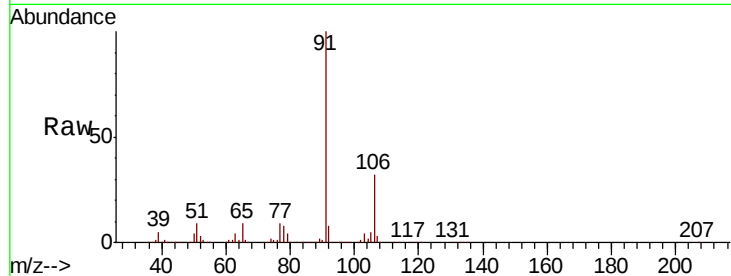
CPA-CPMW09D-M27W1-090319MS

Tgt Ion: 91 Resp: 806797

Ion Ratio Lower Upper

91 100

106 31.7 24.8 37.2



#68

m/p-Xylenes

Concen: 115.974 ug/l

RT: 9.35 min Scan# 2570

Delta R.T. -0.00 min

Lab File: VU034546.D

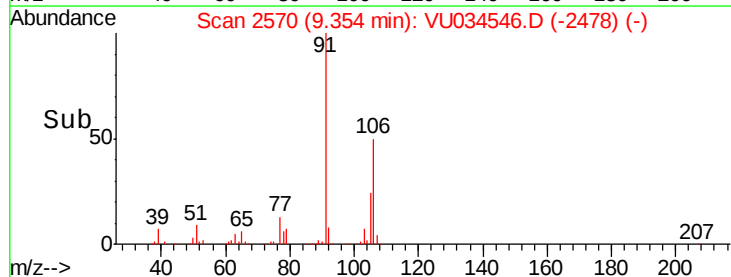
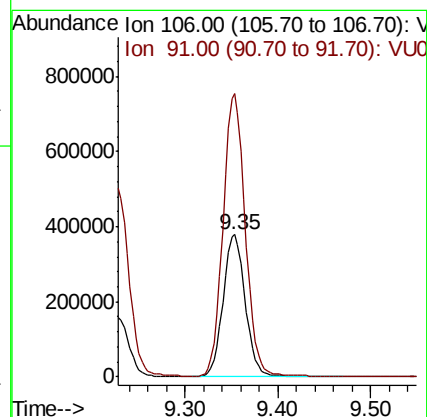
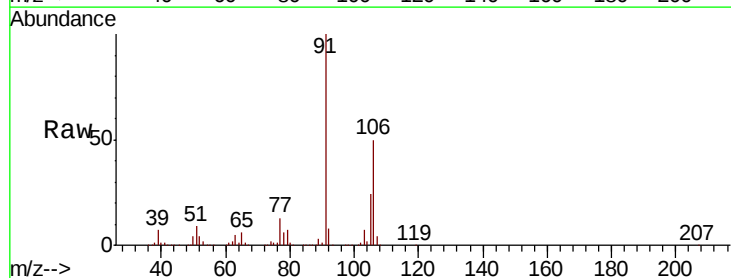
Acq: 13 Sep 2019 01:21

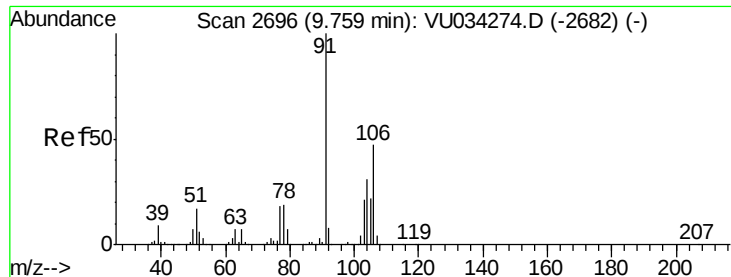
Tgt Ion: 106 Resp: 626668

Ion Ratio Lower Upper

106 100

91 200.3 160.1 240.1

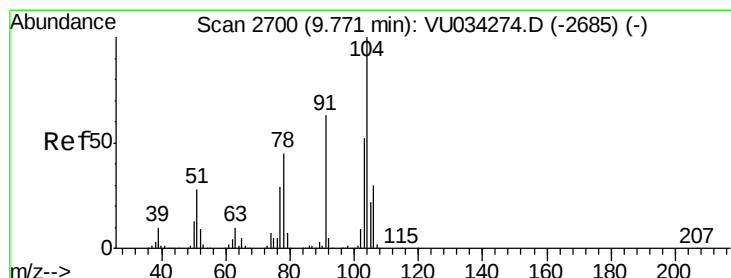
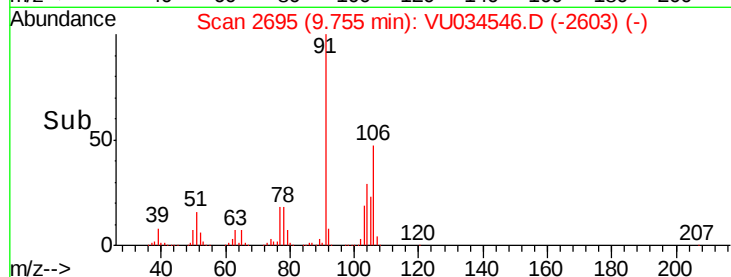
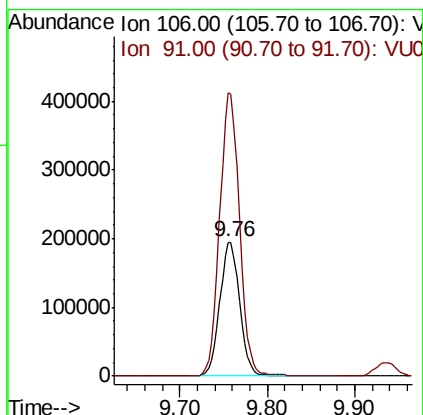
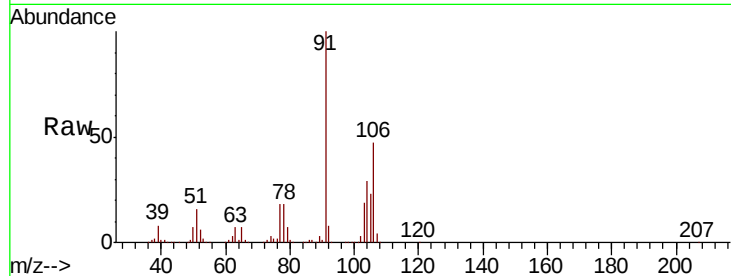




#69
o-Xylene
Concen: 58.298 ug/l
RT: 9.76 min Scan# 2695
Delta R.T. -0.00 min
Lab File: VU034546.D
Acq: 13 Sep 2019 01:21

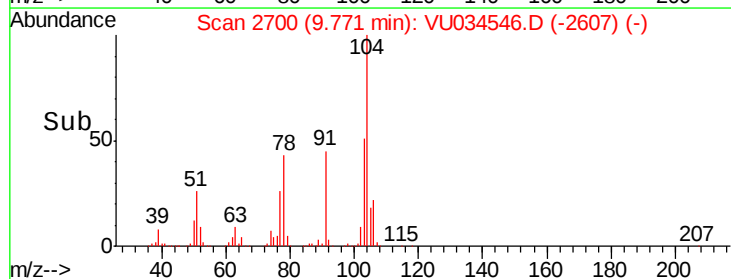
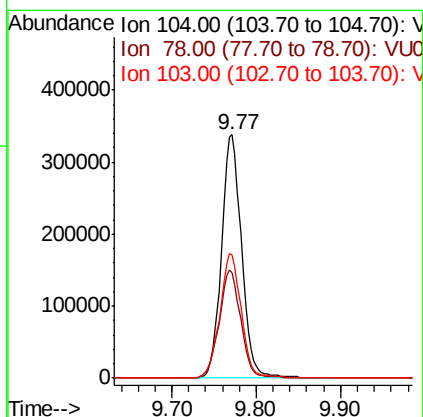
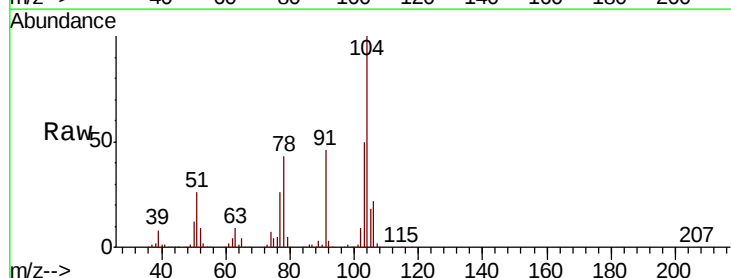
Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW09D-M27W1-090319MS

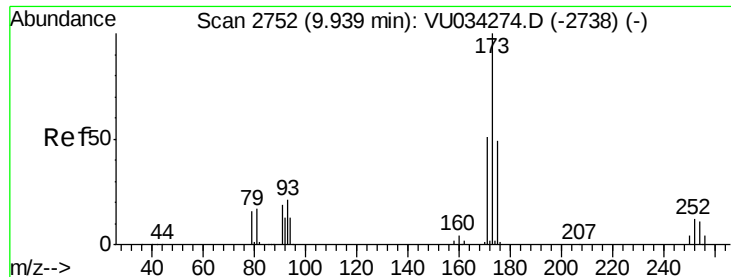
Tgt Ion:106 Resp: 308071
Ion Ratio Lower Upper
106 100
91 211.5 105.1 315.3



#70
Styrene
Concen: 60.483 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. 0.00 min
Lab File: VU034546.D
Acq: 13 Sep 2019 01:21

Tgt Ion:104 Resp: 560377
Ion Ratio Lower Upper
104 100
78 47.4 38.6 57.8
103 54.4 44.2 66.4





#71

Bromoform

Concen: 57.937 ug/l

RT: 9.94 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

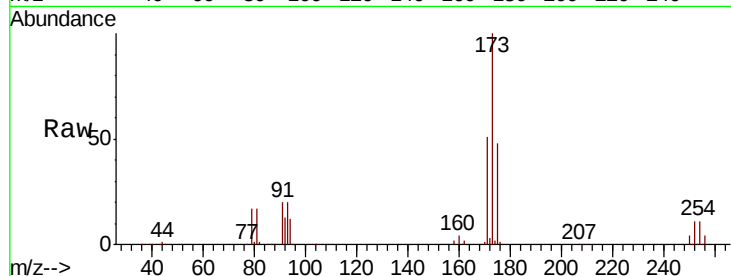
Tgt Ion:173 Resp: 168175

Ion Ratio Lower Upper

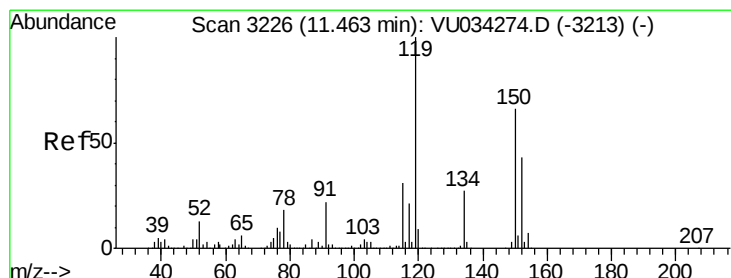
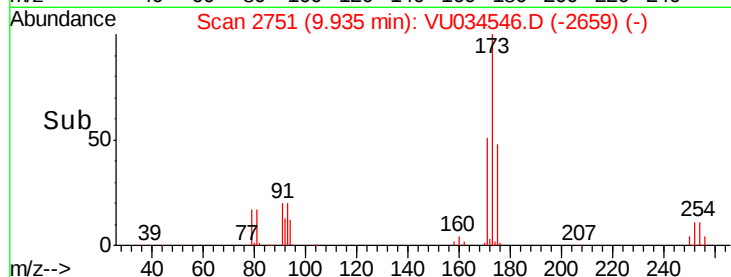
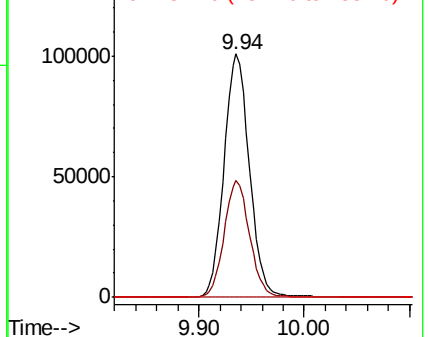
173 100

175 48.1 24.4 73.2

254 0.1 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3225

Delta R.T. -0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

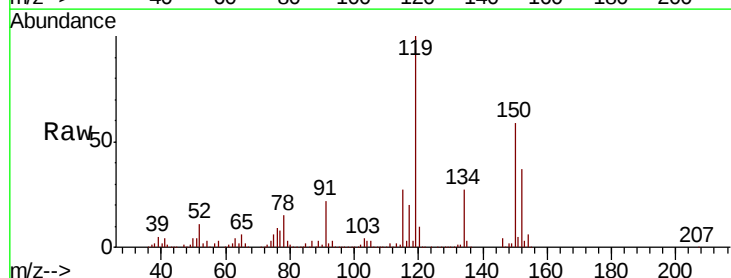
Tgt Ion:152 Resp: 233901

Ion Ratio Lower Upper

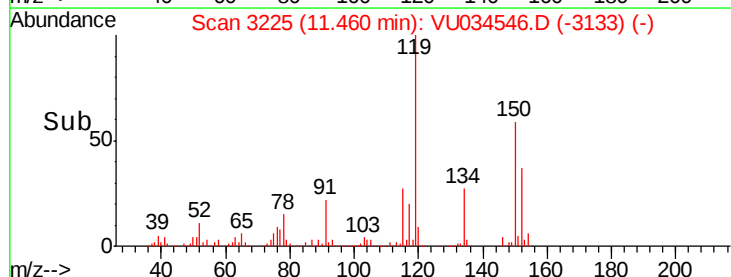
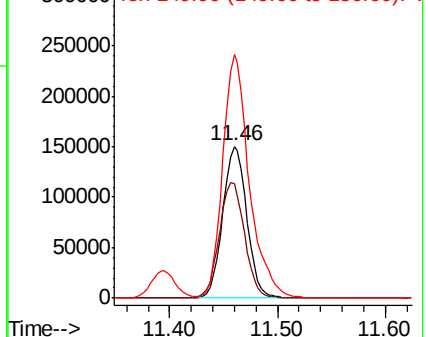
152 100

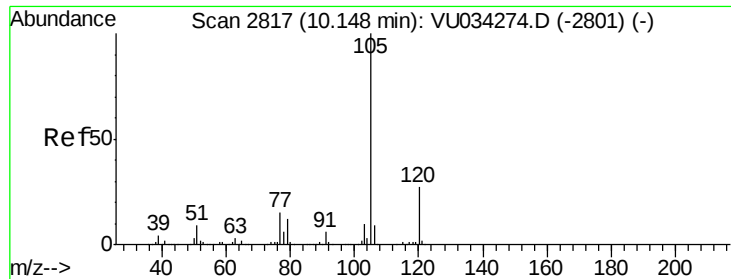
115 79.8 39.1 117.3

150 175.4 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





#73

Isopropylbenzene

Concen: 55.957 ug/l

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Instrument :

MSVOA_U

ClientSampleId :

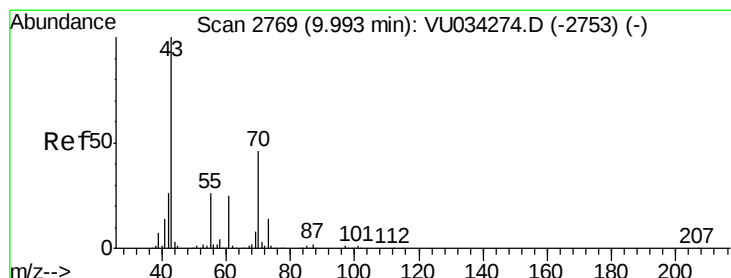
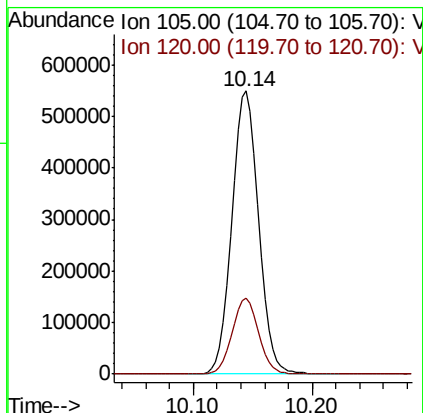
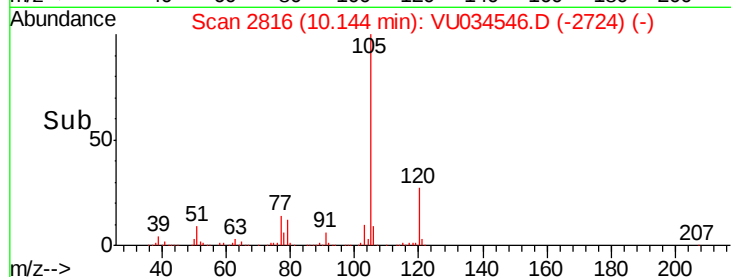
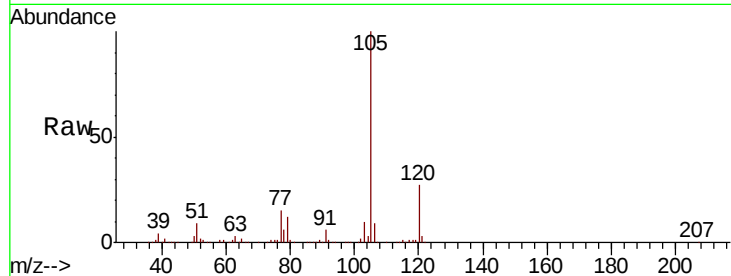
CPA-CPMW09D-M27W1-090319MS

Tgt Ion: 105 Resp: 851755

Ion Ratio Lower Upper

105 100

120 26.6 13.4 40.2



#74

N-ethyl acetate

Concen: 54.107 ug/l

RT: 9.99 min Scan# 2769

Delta R.T. 0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Tgt Ion: 43 Resp: 331521

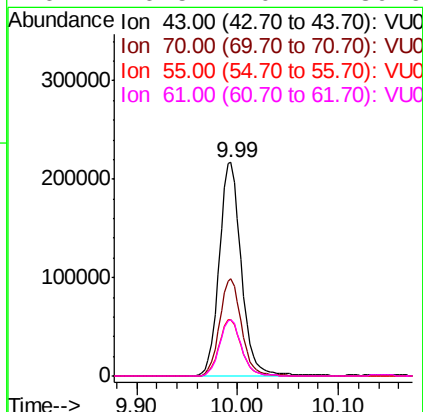
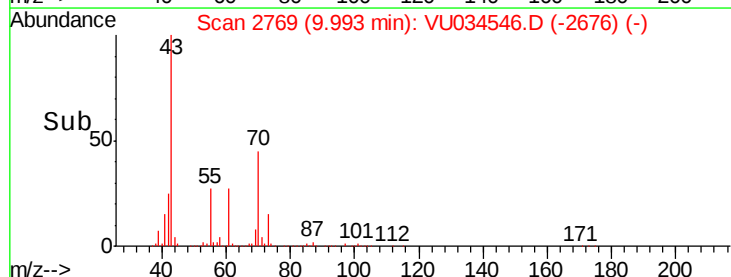
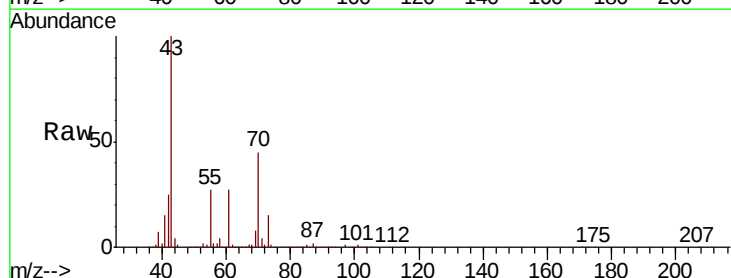
Ion Ratio Lower Upper

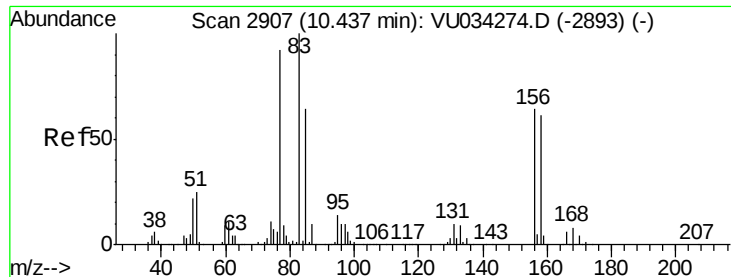
43 100

70 45.3 36.4 54.6

55 26.7 21.2 31.8

61 26.5 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 54.713 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

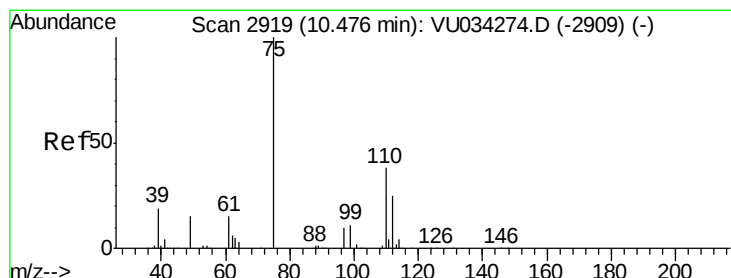
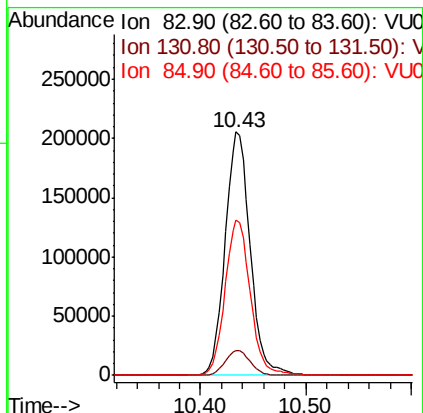
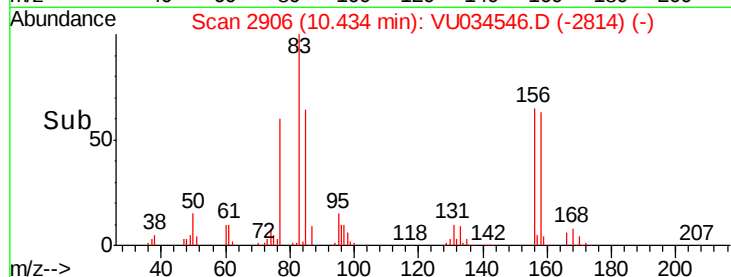
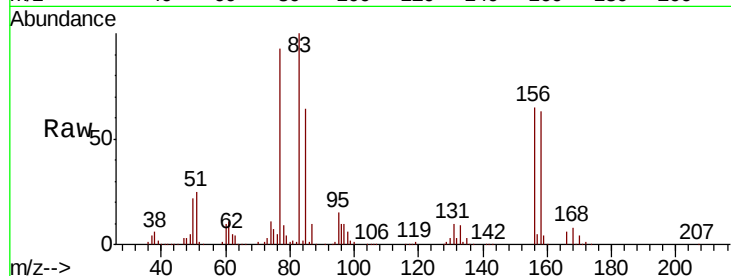
Tgt Ion: 83 Resp: 337111

Ion Ratio Lower Upper

83 100

131 10.2 5.1 15.2

85 64.5 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 68.487 ug/l

RT: 10.47 min Scan# 2918

Delta R.T. -0.00 min

Lab File: VU034546.D

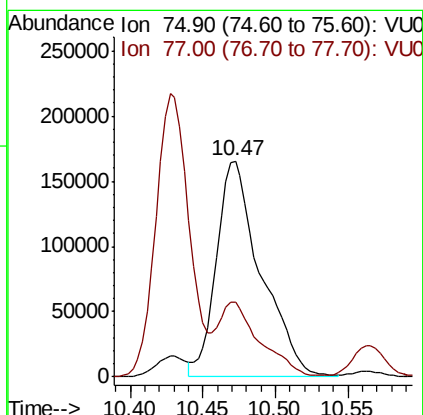
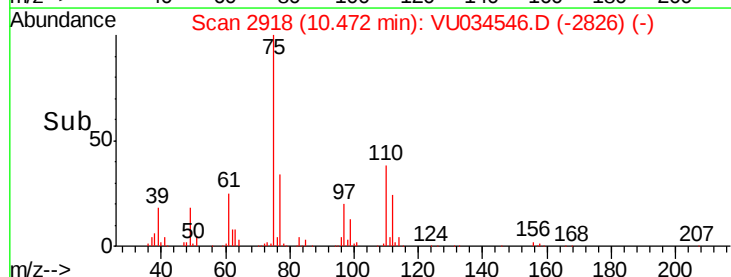
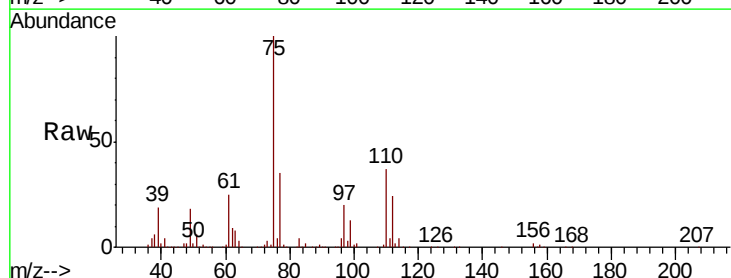
Acq: 13 Sep 2019 01:21

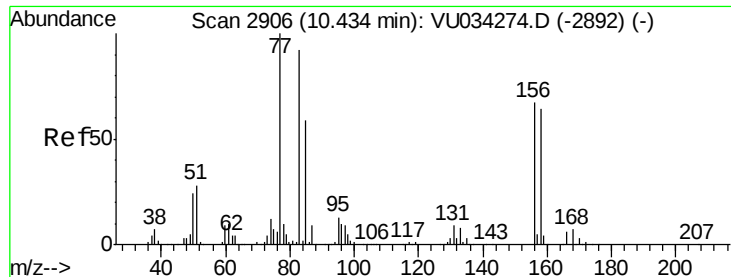
Tgt Ion: 75 Resp: 349669

Ion Ratio Lower Upper

75 100

77 32.0 20.8 62.2





#77

Bromobenzene

Concen: 55.461 ug/l

RT: 10.43 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

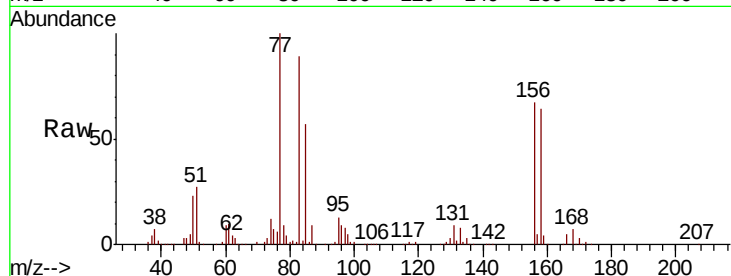
Tgt Ion:156 Resp: 236054

Ion Ratio Lower Upper

156 100

77 148.9 75.6 226.9

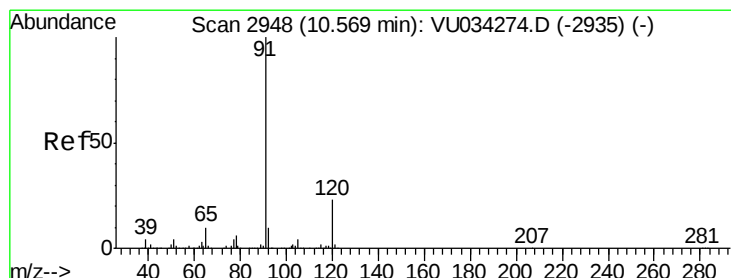
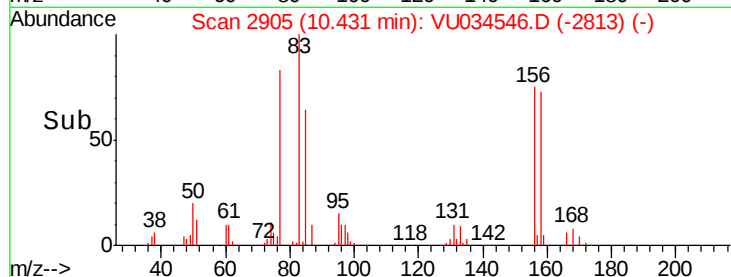
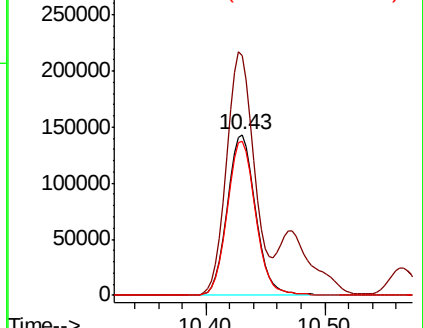
158 96.3 48.2 144.6



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: 55.157 ug/l

RT: 10.57 min Scan# 2947

Delta R.T. -0.00 min

Lab File: VU034546.D

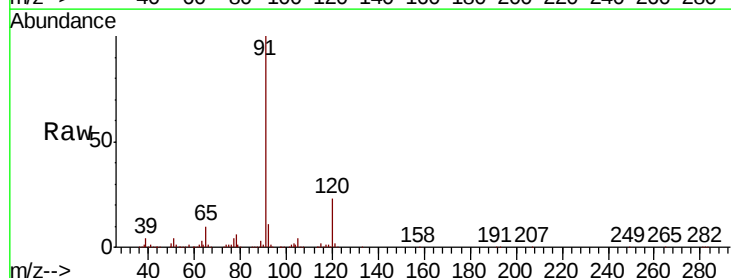
Acq: 13 Sep 2019 01:21

Tgt Ion: 91 Resp: 969638

Ion Ratio Lower Upper

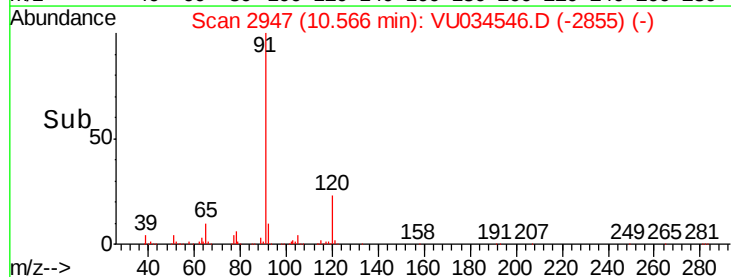
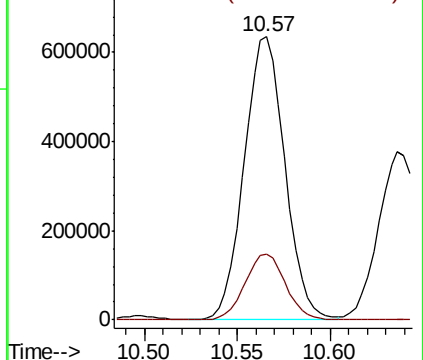
91 100

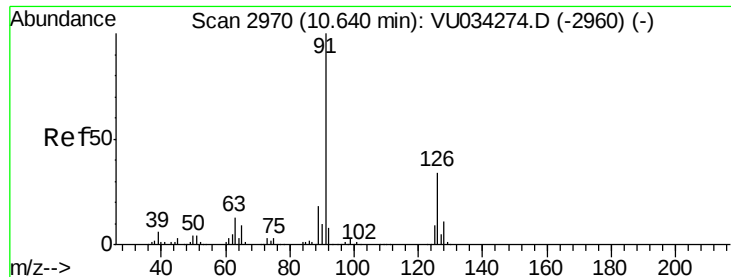
120 23.3 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

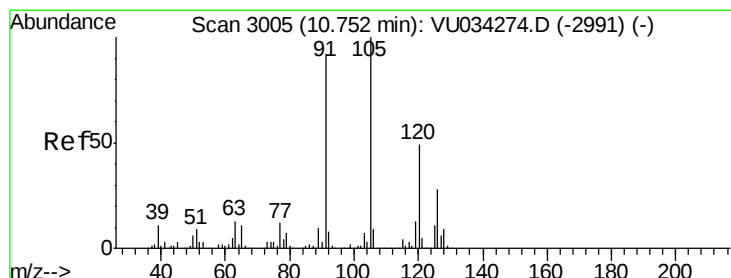
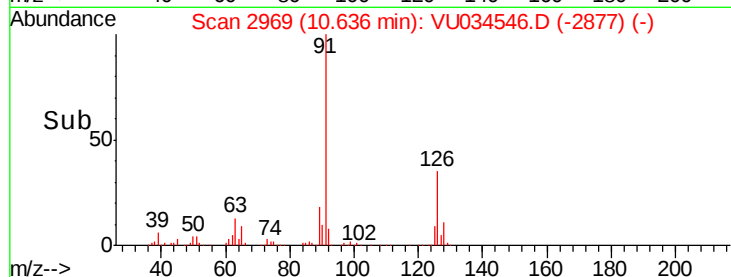
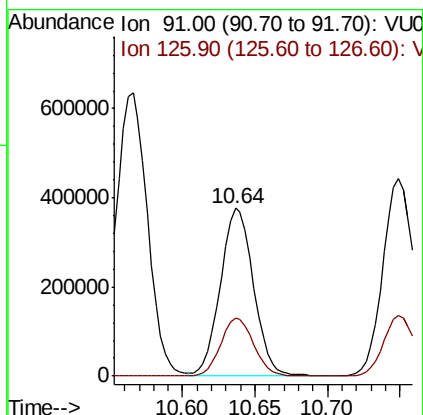
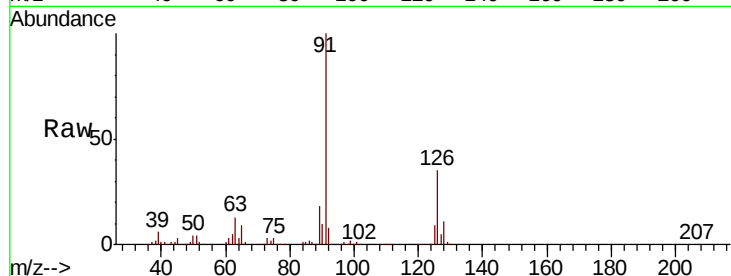




#79
 2-Chlorotoluene
 Concen: 55.534 ug/l
 RT: 10.64 min Scan# 2969
 Delta R.T. -0.00 min
 Lab File: VU034546.D
 Acq: 13 Sep 2019 01:21

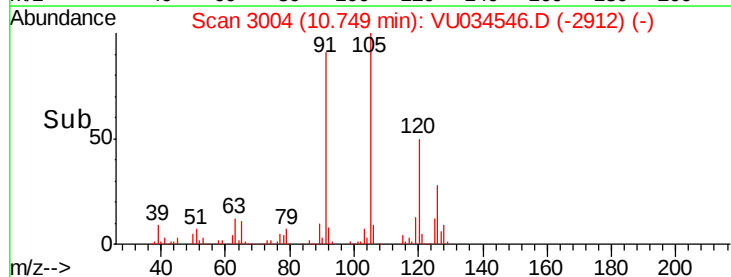
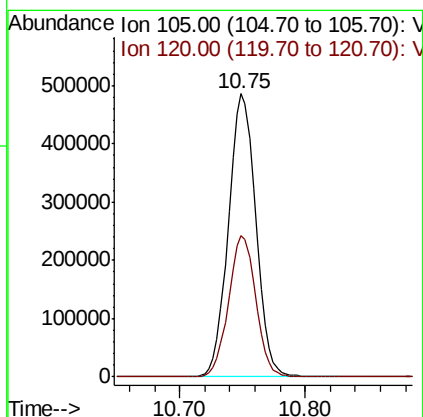
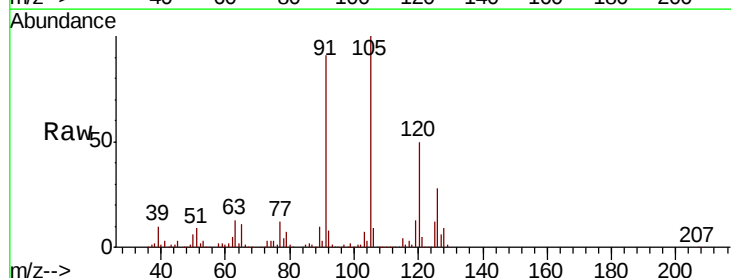
Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW09D-M27W1-090319MS

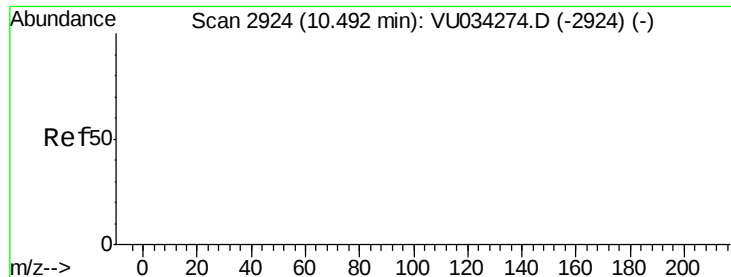
Tgt Ion: 91 Resp: 595678
 Ion Ratio Lower Upper
 91 100
 126 34.5 17.3 51.9



#80
 1,3,5-Trimethylbenzene
 Concen: 57.848 ug/l
 RT: 10.75 min Scan# 3004
 Delta R.T. -0.00 min
 Lab File: VU034546.D
 Acq: 13 Sep 2019 01:21

Tgt Ion: 105 Resp: 736437
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 231.122 ug/l

RT: 10.47 min Scan# 2918

Delta R.T. -0.02 min

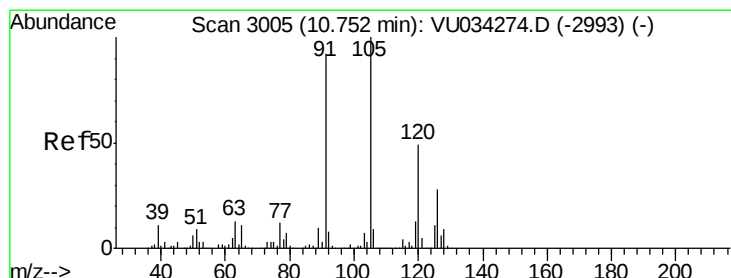
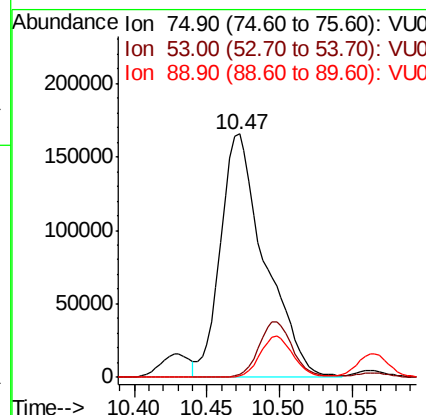
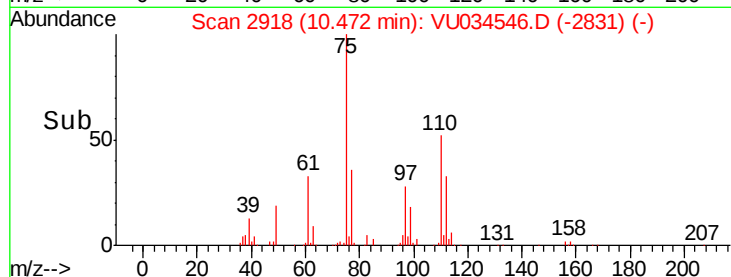
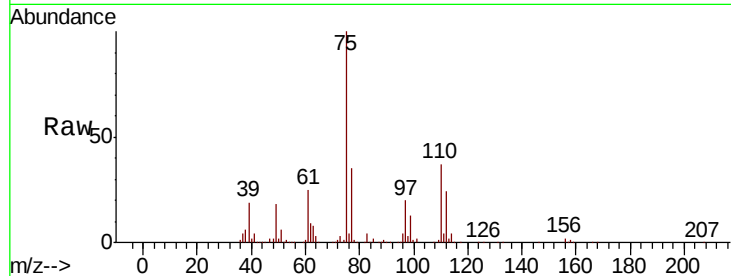
Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

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

Tgt Ion: 75 Resp: 350892

Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0



#82

4-Chlorotoluene

Concen: 55.728 ug/l

RT: 10.75 min Scan# 3004

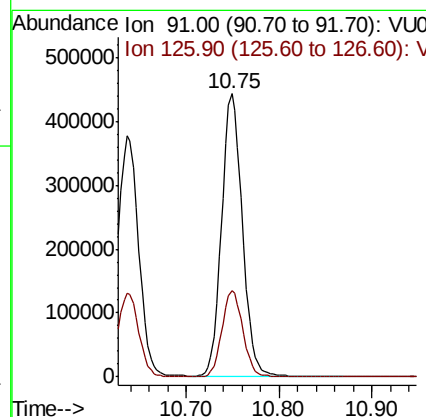
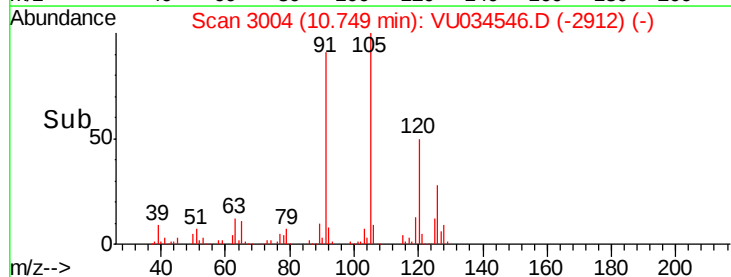
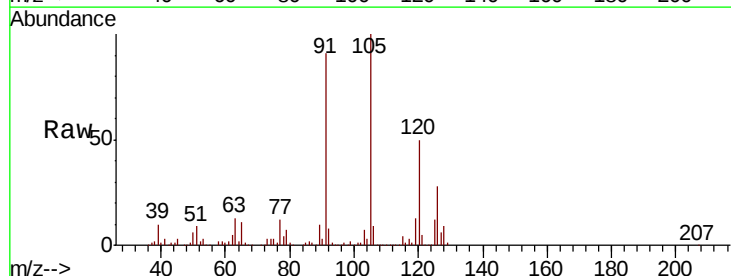
Delta R.T. -0.00 min

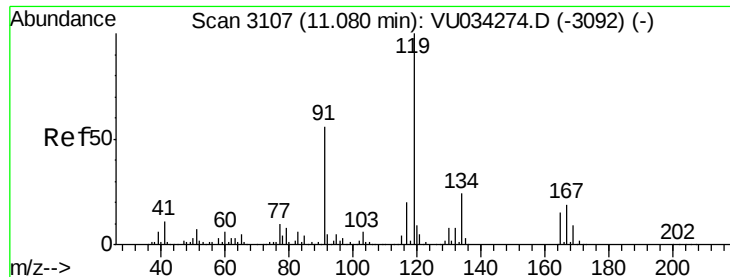
Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Tgt Ion: 91 Resp: 687891

Ion	Ratio	Lower	Upper
91	100		
126	30.6	15.3	45.8

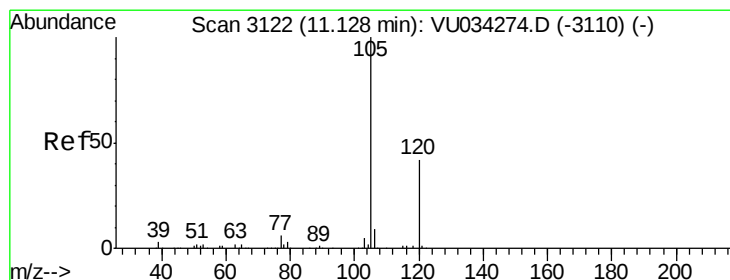
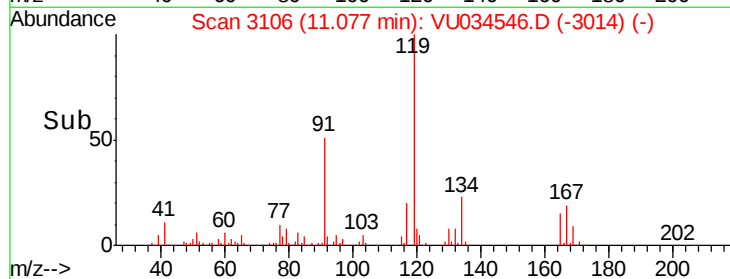
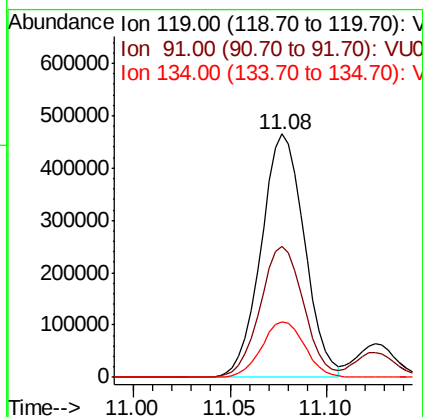
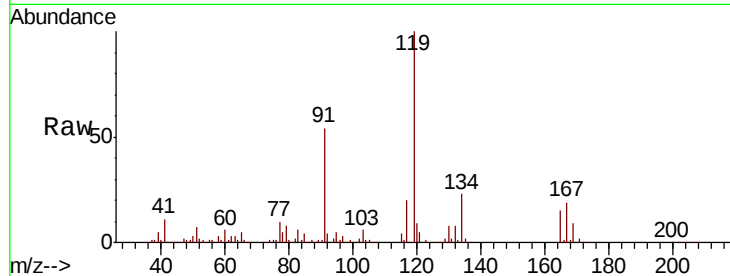




#83
 tert-Butylbenzene
 Concen: 56.740 ug/l
 RT: 11.08 min Scan# 3106
 Delta R.T. -0.00 min
 Lab File: VU034546.D
 Acq: 13 Sep 2019 01:21

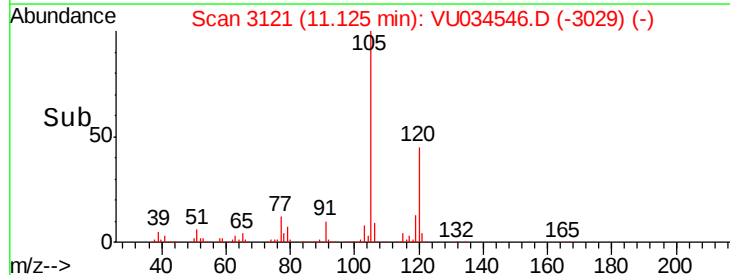
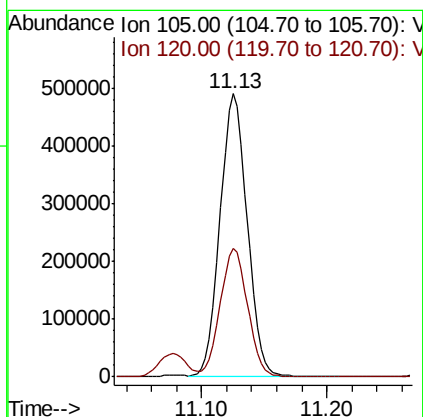
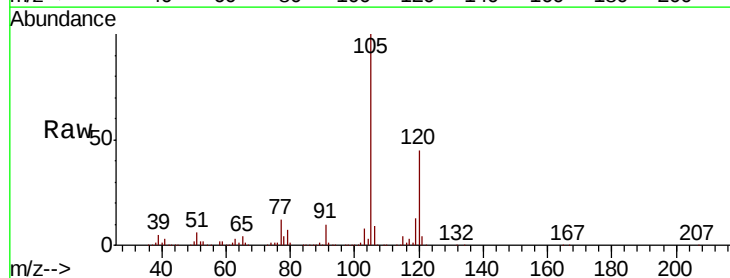
Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW09D-M27W1-090319MS

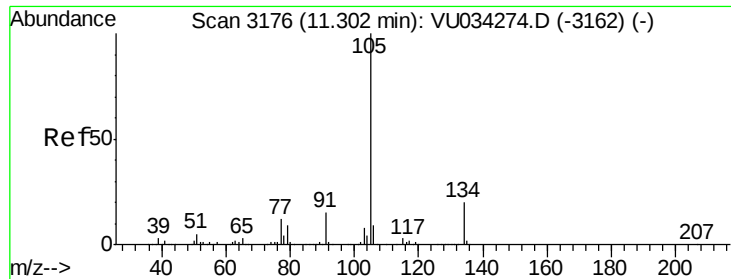
Tgt Ion:119 Resp: 722604
 Ion Ratio Lower Upper
 119 100
 91 54.0 27.8 83.4
 134 23.0 11.7 35.0



#84
 1,2,4-Trimethylbenzene
 Concen: 57.522 ug/l
 RT: 11.13 min Scan# 3121
 Delta R.T. -0.00 min
 Lab File: VU034546.D
 Acq: 13 Sep 2019 01:21

Tgt Ion:105 Resp: 737128
 Ion Ratio Lower Upper
 105 100
 120 46.0 22.9 68.8





#85

sec-Butylbenzene

Concen: 56.363 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. 0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Instrument :

MSVOA_U

ClientSampleId :

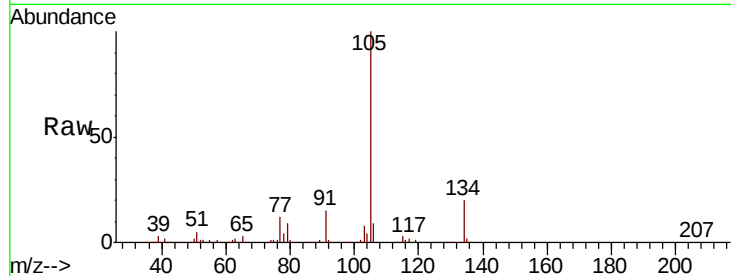
CPA-CPMW09D-M27W1-090319MS

Tgt Ion:105 Resp: 847419

Ion Ratio Lower Upper

105 100

134 20.4 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.30

600000

500000

400000

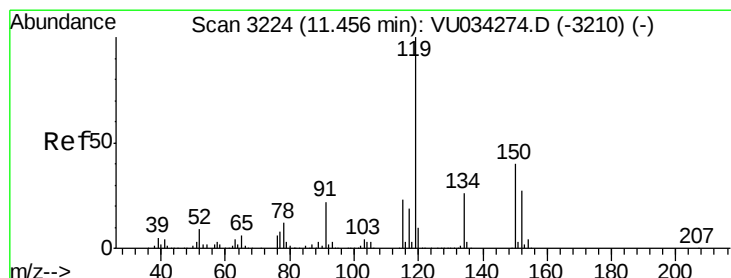
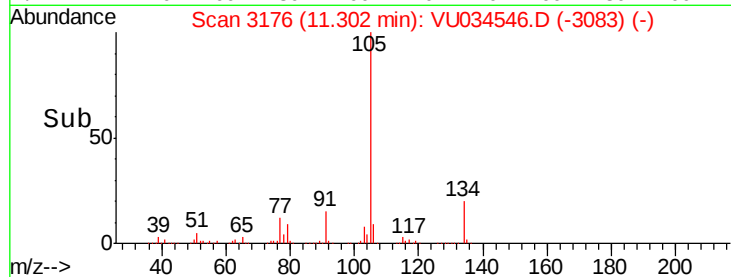
300000

200000

100000

0

Time--> 11.20 11.30 11.40



#86

p-Isopropyltoluene

Concen: 55.999 ug/l

RT: 11.45 min Scan# 3223

Delta R.T. -0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

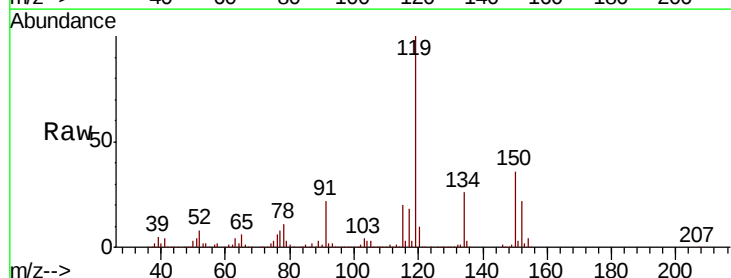
Tgt Ion:119 Resp: 777106

Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.8

91 22.1 11.2 33.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU

11.45

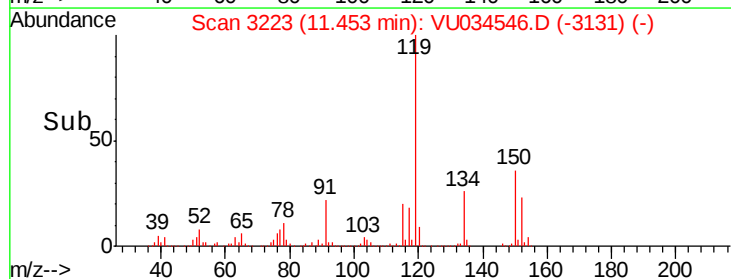
600000

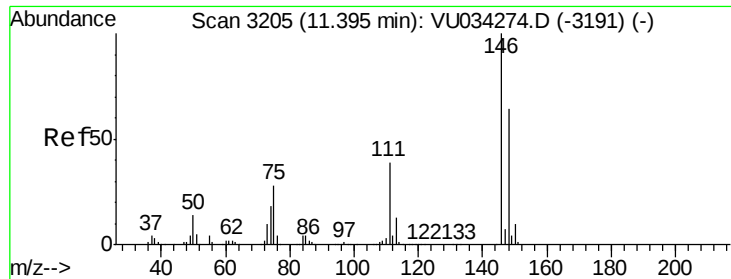
400000

200000

0

Time--> 11.40 11.50

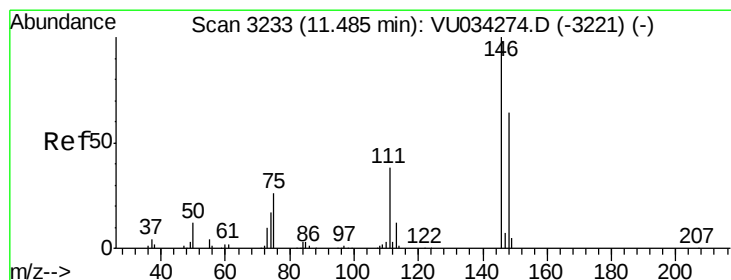
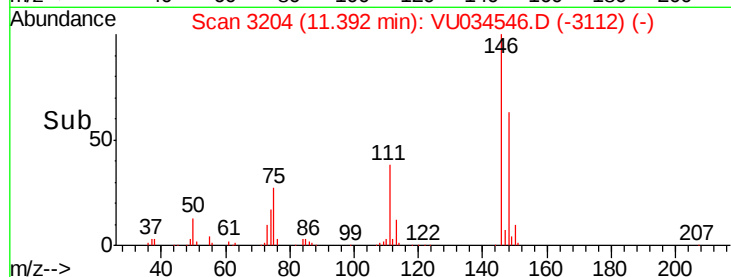
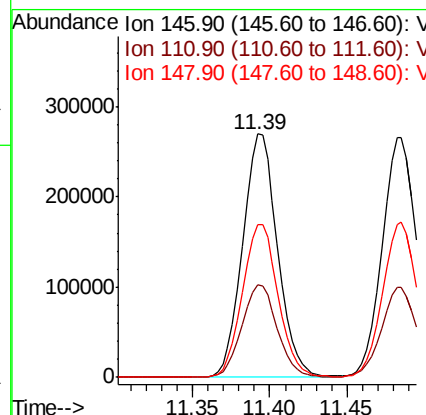
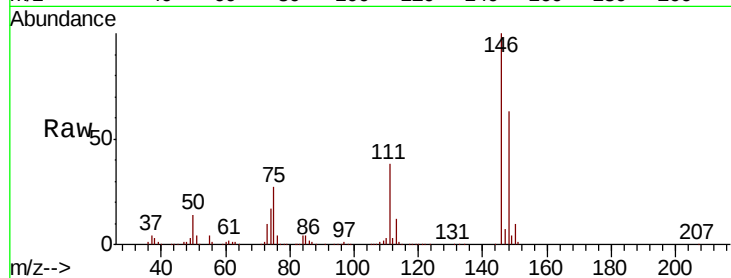




#87
 1,3-Dichlorobenzene
 Concen: 54.579 ug/l
 RT: 11.39 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU034546.D
 Acq: 13 Sep 2019 01:21

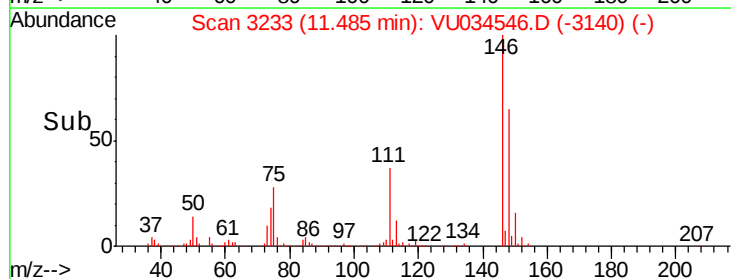
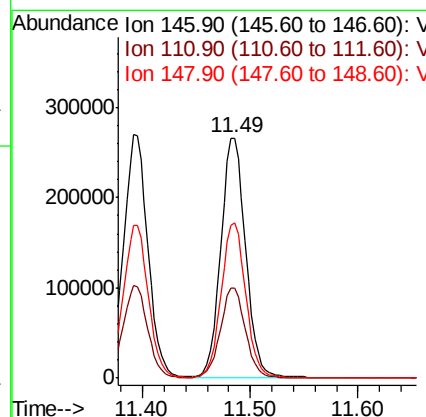
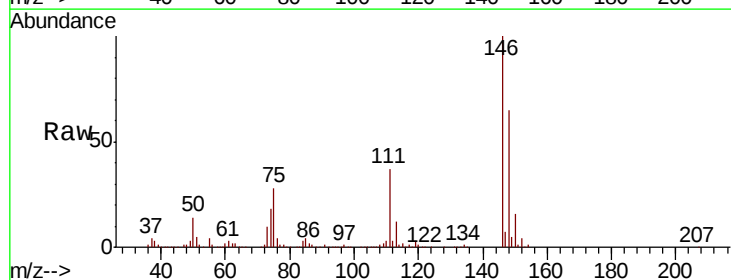
Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW09D-M27W1-090319MS

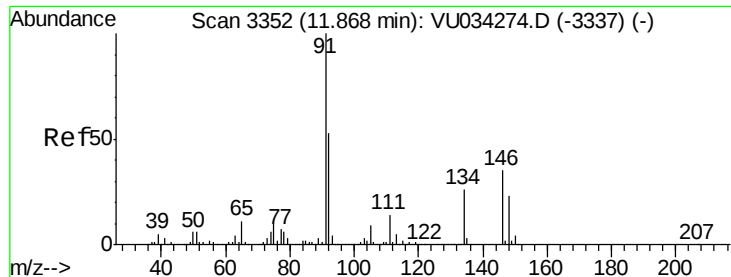
Tgt Ion:146 Resp: 423894
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.5 58.5
 148 64.1 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 52.506 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. 0.00 min
 Lab File: VU034546.D
 Acq: 13 Sep 2019 01:21

Tgt Ion:146 Resp: 425338
 Ion Ratio Lower Upper
 146 100
 111 37.8 19.1 57.3
 148 63.7 32.0 96.0

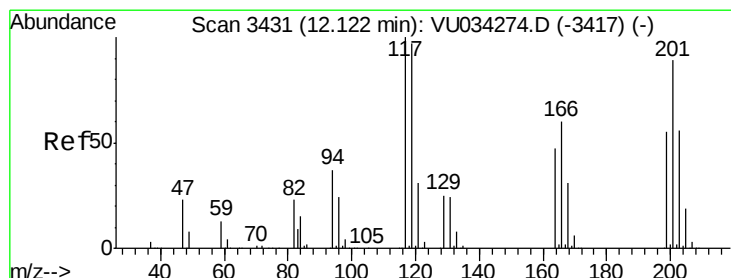
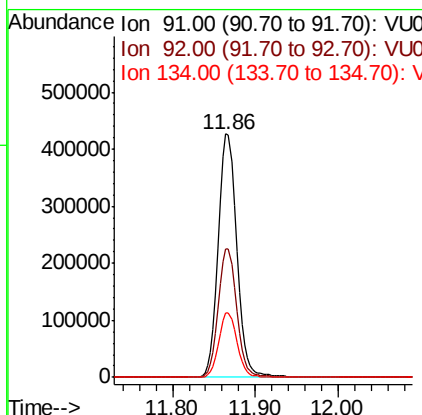
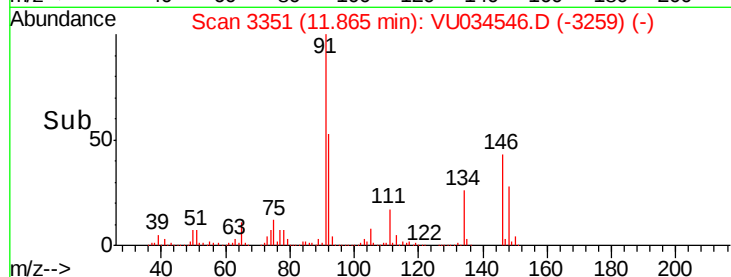
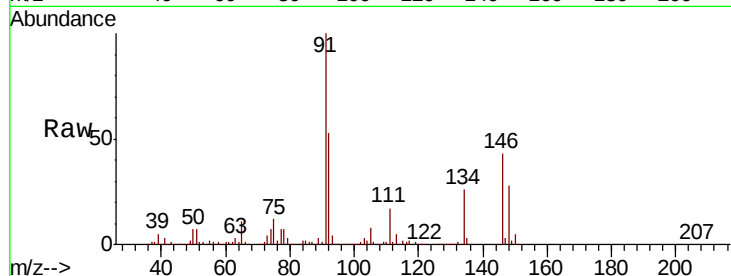




#89
n-Butylbenzene
Concen: 54.828 ug/l
RT: 11.86 min Scan# 3351
Delta R.T. -0.00 min
Lab File: VU034546.D
Acq: 13 Sep 2019 01:21

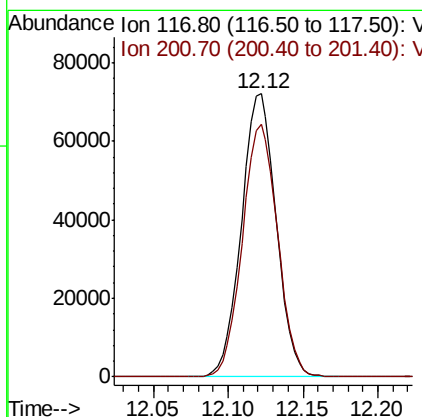
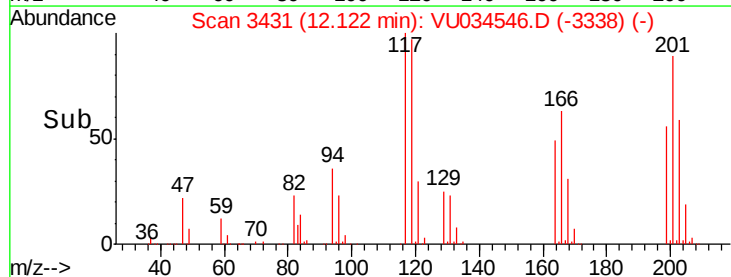
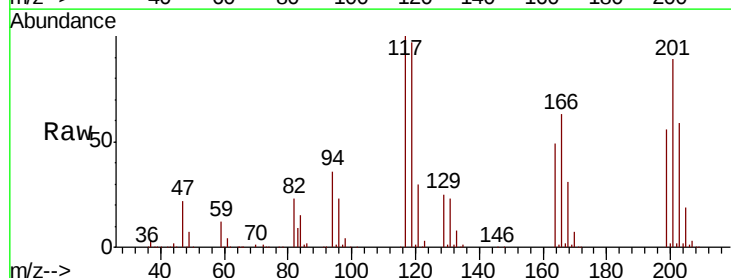
Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW09D-M27W1-090319MS

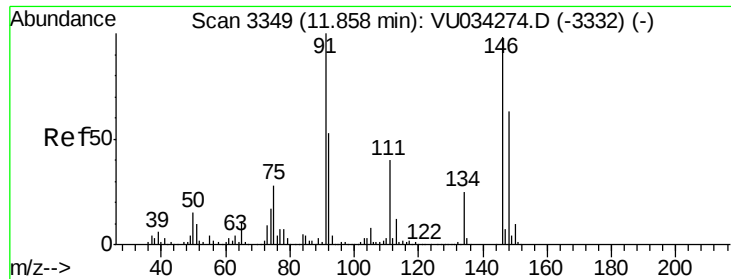
Tgt Ion: 91 Resp: 661198
Ion Ratio Lower Upper
91 100
92 52.4 26.5 79.4
134 26.1 13.2 39.6



#90
Hexachloroethane
Concen: 52.570 ug/l
RT: 12.12 min Scan# 3431
Delta R.T. 0.00 min
Lab File: VU034546.D
Acq: 13 Sep 2019 01:21

Tgt Ion: 117 Resp: 116715
Ion Ratio Lower Upper
117 100
201 90.2 44.1 132.4





#91

1,2-Dichlorobenzene

Concen: 55.025 ug/l

RT: 11.86 min Scan# 3348

Delta R.T. -0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

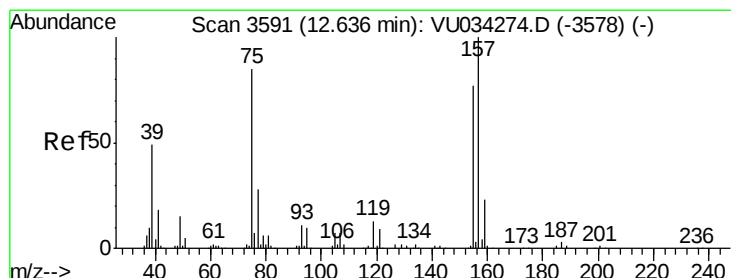
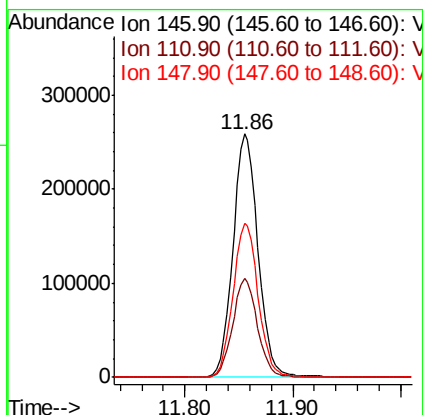
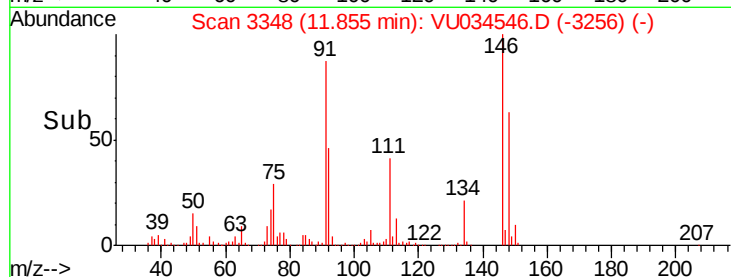
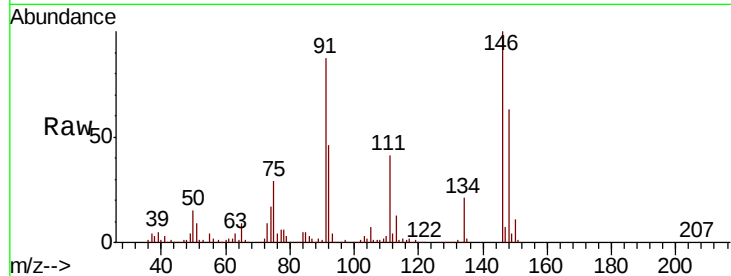
Tgt Ion:146 Resp: 420000

Ion Ratio Lower Upper

146 100

111 40.2 20.0 60.0

148 64.0 31.6 94.8



#92

1,2-Dibromo-3-Chloropropane

Concen: 58.056 ug/l

RT: 12.63 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

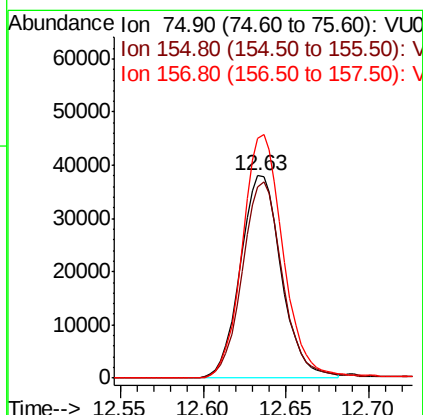
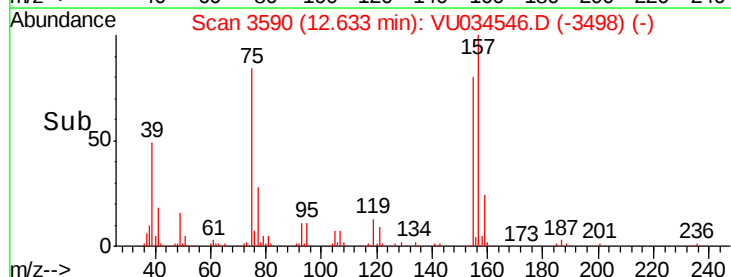
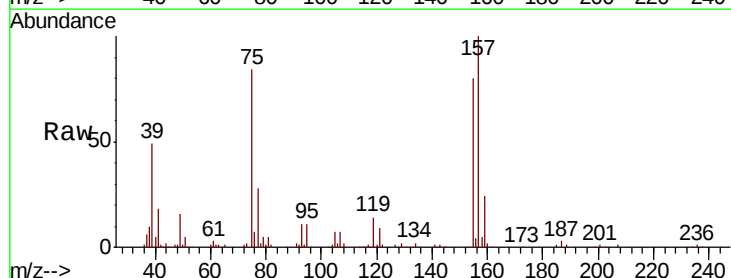
Tgt Ion: 75 Resp: 65731

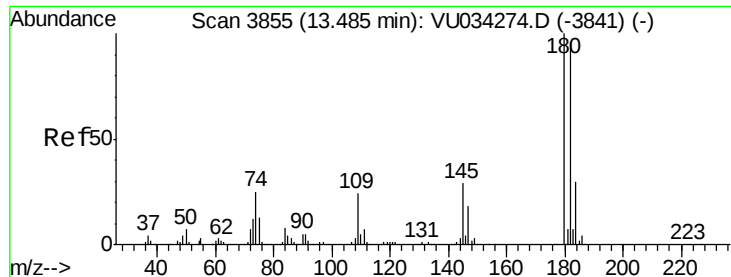
Ion Ratio Lower Upper

75 100

155 94.7 44.6 134.0

157 119.0 58.2 174.6

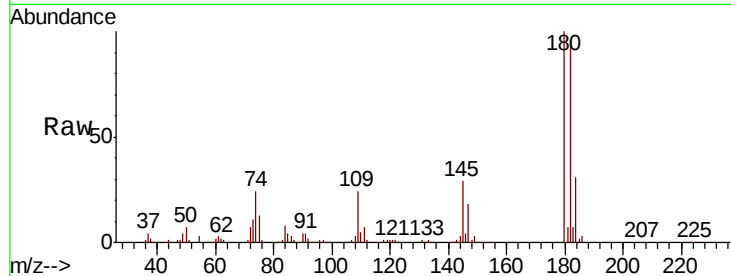




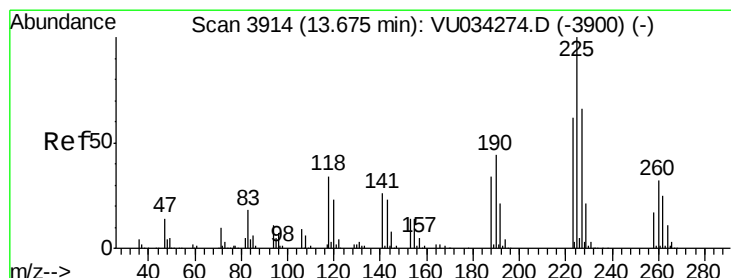
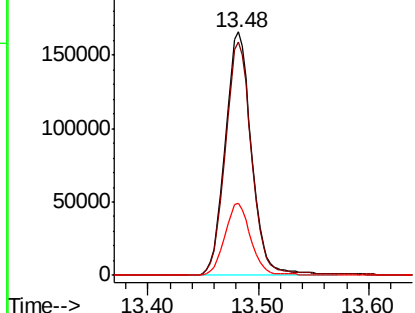
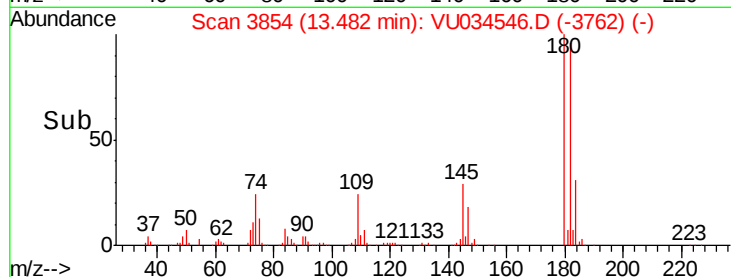
#93
 1,2,4-Trichlorobenzene
 Concen: 49.837 ug/l
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034546.D
 Acq: 13 Sep 2019 01:21

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

Tgt Ion:180 Resp: 275818
 Ion Ratio Lower Upper
 180 100
 182 96.0 47.9 143.8
 145 29.1 14.4 43.0

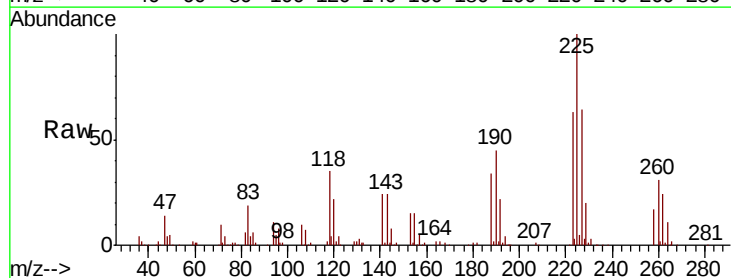


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

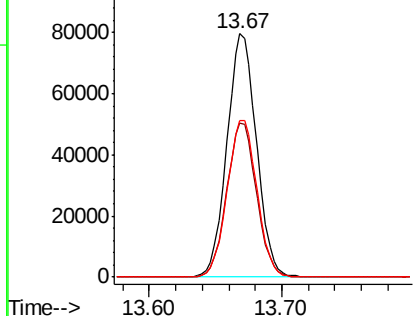
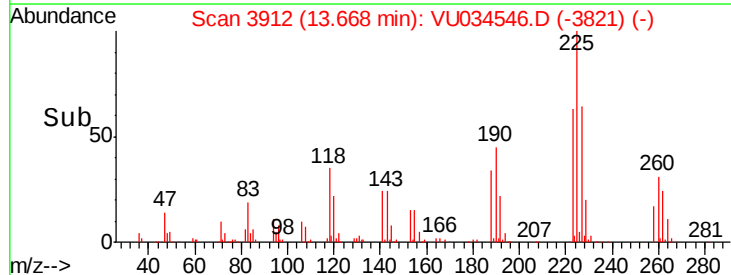


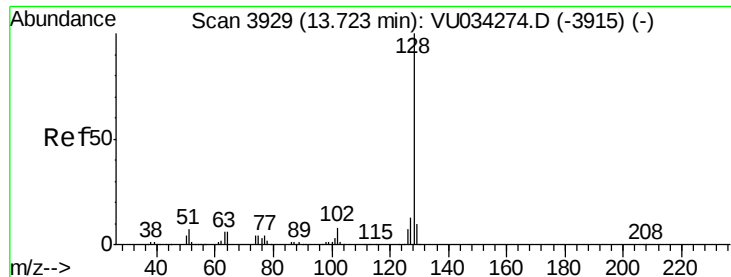
#94
 Hexachlorobutadiene
 Concen: 46.072 ug/l
 RT: 13.67 min Scan# 3912
 Delta R.T. -0.01 min
 Lab File: VU034546.D
 Acq: 13 Sep 2019 01:21

Tgt Ion:225 Resp: 123010
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.6 94.7
 227 64.9 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

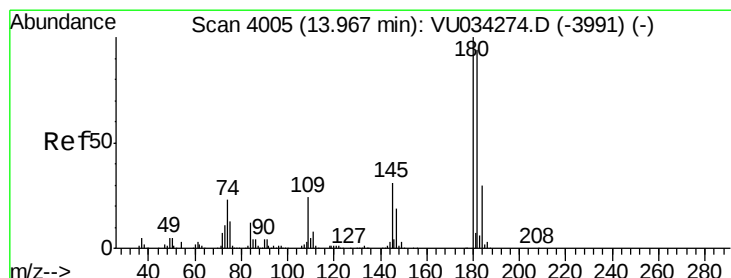
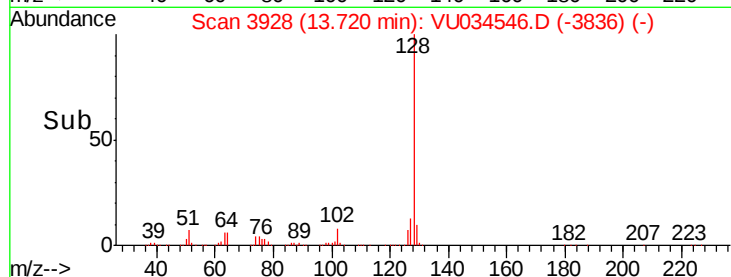
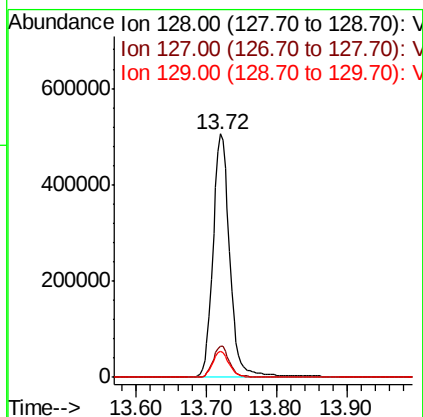
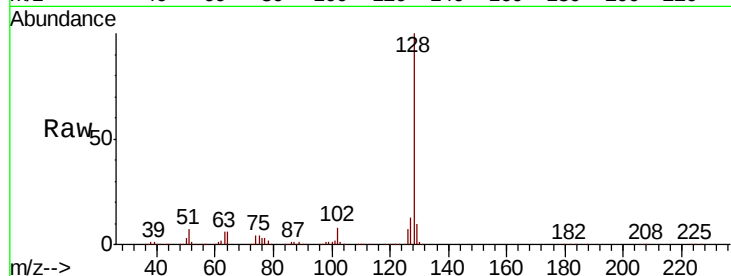




#95
Naphthalene
Concen: 53.531 ug/l
RT: 13.72 min Scan# 3928
Delta R.T. -0.00 min
Lab File: VU034546.D
Acq: 13 Sep 2019 01:21

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

Tgt Ion:128 Resp: 839234
Ion Ratio Lower Upper
128 100
127 12.8 10.6 15.8
129 10.3 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 52.081 ug/l
RT: 13.96 min Scan# 4004
Delta R.T. -0.00 min
Lab File: VU034546.D
Acq: 13 Sep 2019 01:21

Tgt Ion:180 Resp: 279096
Ion Ratio Lower Upper
180 100
182 96.6 48.4 145.0
145 30.7 15.4 46.4

