

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091219\
 Data File : VU034545.D
 Acq On : 13 Sep 2019 00:58
 Operator : JC/SP
 Sample : K4756-02MS
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 41 Sample Multiplier: 1

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

Quant Time: Sep 13 07:16:13 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	231466	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	336820	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	333882	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	234113	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	181942	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	
35) Dibromofluoromethane	4.86	113	162598	51.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.76%	
50) Toluene-d8	7.54	98	603286	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
62) 4-Bromofluorobenzene	10.29	95	233986	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	115364	47.655	ug/l	98
3) Chloromethane	1.32	50	138884	53.108	ug/l	98
4) Vinyl Chloride	1.40	62	147074	48.755	ug/l	99
5) Bromomethane	1.61	94	91886	60.949	ug/l	100
6) Chloroethane	1.68	64	95681	54.665	ug/l	99
7) Trichlorofluoromethane	1.87	101	211760	52.354	ug/l	98
8) Diethyl Ether	2.09	74	97697	54.912	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.27	101	136262	50.864	ug/l	99
10) Methyl Iodide	2.40	142	117089	47.944	ug/l	99
11) Tert butyl alcohol	2.81	59	236431	319.554	ug/l	100
12) 1,1-Dichloroethene	2.27	96	131189	52.093	ug/l	97
13) Acrolein	2.18	56	132584	213.206	ug/l	100
14) Allyl chloride	2.58	41	213948	44.437	ug/l	90
15) Acrylonitrile	2.92	53	557173	302.406	ug/l	98
16) Acetone	2.31	43	450558	248.605	ug/l	100
17) Carbon Disulfide	2.46	76	243001	42.933	ug/l	99
18) Methyl Acetate	2.60	43	235759	53.461	ug/l	97
19) Methyl tert-butyl Ether	2.98	73	536472	58.444	ug/l	99
20) Methylene Chloride	2.68	84	173100	58.380	ug/l	100
21) trans-1,2-Dichloroethene	2.96	96	138646	52.243	ug/l	98
22) Diisopropyl ether	3.55	45	543682	57.905	ug/l	97
23) Vinyl Acetate	3.50	43	2086193	272.773	ug/l	99
24) 1,1-Dichloroethane	3.43	63	306079	54.587	ug/l	99
25) 2-Butanone	4.24	43	720252	297.718	ug/l	98
26) 2,2-Dichloropropane	4.20	77	195443	43.338	ug/l	97
27) cis-1,2-Dichloroethene	4.20	96	181799	56.404	ug/l	95
28) Bromochloromethane	4.52	49	149886	58.116	ug/l	97
29) Tetrahydrofuran	4.61	42	452240	307.202	ug/l	100
30) Chloroform	4.65	83	317255	55.664	ug/l	100
31) Cyclohexane	4.97	56	196217	47.833	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	252405	55.390	ug/l	99
36) 1,1-Dichloropropene	5.12	75	192272	52.636	ug/l	99
37) Ethyl Acetate	4.36	43	237645	55.025	ug/l	99
38) Carbon Tetrachloride	5.11	117	213565	54.757	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	189005	48.402	ug/l	98
40) Benzene	5.37	78	651034	55.234	ug/l	99
41) Methacrylonitrile	4.52	41	140697	61.160	ug/l	98
42) 1,2-Dichloroethane	5.38	62	229700	56.130	ug/l	99
43) Isopropyl Acetate	5.53	43	374409	55.572	ug/l	99
44) Trichloroethene	6.16	130	178261	54.653	ug/l	95
45) 1,2-Dichloropropane	6.41	63	193534	56.165	ug/l	97
46) Dibromomethane	6.54	93	122684	56.721	ug/l	98
47) Bromodichloromethane	6.74	83	250780	56.327	ug/l	98
48) Methyl methacrylate	6.60	41	182710	57.098	ug/l	98
49) 1,4-Dioxane	6.59	88	84628	1211.120	ug/l	98
51) 4-Methyl-2-Pentanone	7.44	43	1422235	304.966	ug/l	100
52) Toluene	7.62	92	416232	56.294	ug/l	98
53) t-1,3-Dichloropropene	7.86	75	250293	54.231	ug/l	98
54) cis-1,3-Dichloropropene	7.25	75	268288	52.965	ug/l	97
55) 1,1,2-Trichloroethane	8.04	97	194692	57.989	ug/l	100
56) Ethyl methacrylate	8.00	69	275270	53.721	ug/l	100
57) 1,3-Dichloropropane	8.22	76	314258	57.482	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.09	63	1778	17.578	ug/l #	48
59) 2-Hexanone	8.34	43	1074869	308.521	ug/l	100
60) Dibromochloromethane	8.46	129	210830	58.545	ug/l	98
61) 1,2-Dibromoethane	8.57	107	189367	57.626	ug/l	100
64) Tetrachloroethene	8.21	164	253278	87.439	ug/l	98
65) Chlorobenzene	9.10	112	483645	57.096	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	187446	57.984	ug/l	100
67) Ethyl Benzene	9.23	91	797875	57.608	ug/l	99
68) m/p-Xylenes	9.35	106	625403	119.914	ug/l	100
69) o-Xylene	9.76	106	306477	60.088	ug/l	99
70) Styrene	9.77	104	557720	62.367	ug/l	99
71) Bromoform	9.94	173	168161	60.021	ug/l #	99
73) Isopropylbenzene	10.14	105	837432	54.966	ug/l	100
74) N-amyl acetate	9.99	43	331209	54.007	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.43	83	340340	55.187	ug/l	99
76) 1,2,3-Trichloropropane	10.47	75	359610	70.370	ug/l	84
77) Bromobenzene	10.43	156	232699	54.624	ug/l	99
78) n-propylbenzene	10.57	91	959167	54.512	ug/l	99
79) 2-Chlorotoluene	10.64	91	594011	55.328	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	729951	57.287	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.47	75	359610	236.650	ug/l #	100
82) 4-Chlorotoluene	10.75	91	674255	54.573	ug/l	99
83) tert-Butylbenzene	11.08	119	714234	56.032	ug/l	98
84) 1,2,4-Trimethylbenzene	11.12	105	733426	57.181	ug/l	100
85) sec-Butylbenzene	11.30	105	836569	55.591	ug/l	100
86) p-Isopropyltoluene	11.45	119	768973	55.363	ug/l	99
87) 1,3-Dichlorobenzene	11.39	146	412621	53.080	ug/l	99
88) 1,4-Dichlorobenzene	11.48	146	421564	51.993	ug/l	99
89) n-Butylbenzene	11.87	91	644818	53.421	ug/l	100
90) Hexachloroethane	12.12	117	116677	52.505	ug/l	99
91) 1,2-Dichlorobenzene	11.85	146	417517	54.650	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.63	75	67832	59.857	ug/l	98

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Response via : Initial Calibration

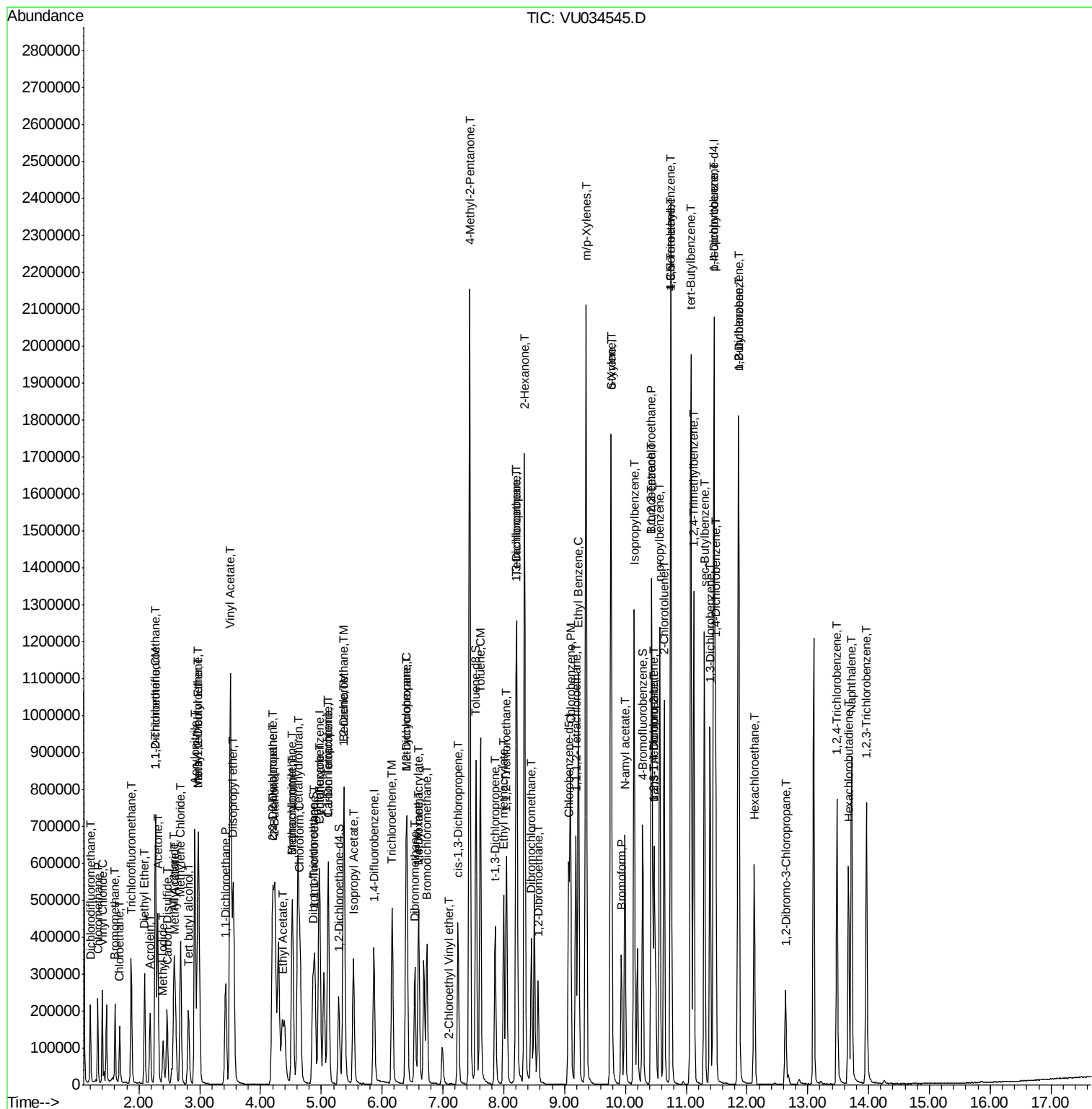
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	263604	47.742	ug/l	100
94) Hexachlorobutadiene	13.67	225	119772	44.819	ug/l	100
95) Naphthalene	13.72	128	755544	48.548	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	270948	50.594	ug/l	99

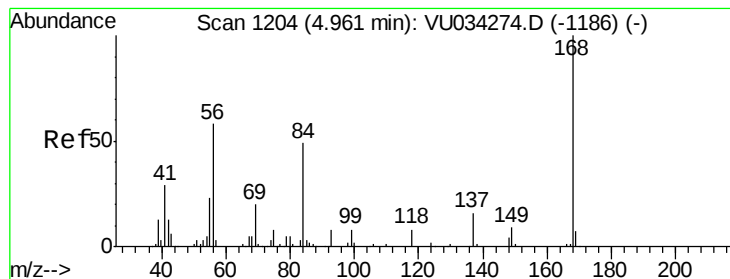
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VU034545.D

Acq: 13 Sep 2019 00:58

Instrument :

MSVOA_U

ClientSampleId :

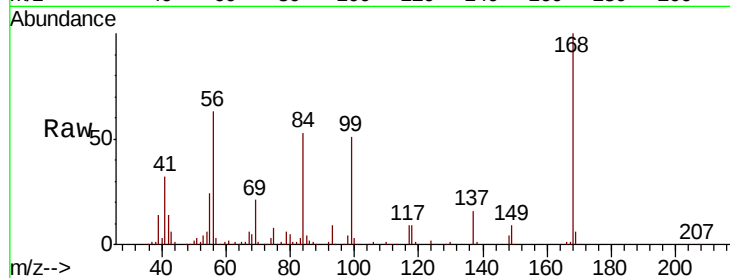
CPA-CPMW09D-M27W1-090319MS

Tgt Ion:168 Resp: 231466

Ion Ratio Lower Upper

168 100

99 50.7 41.6 62.4



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

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

4.96

100000

80000

60000

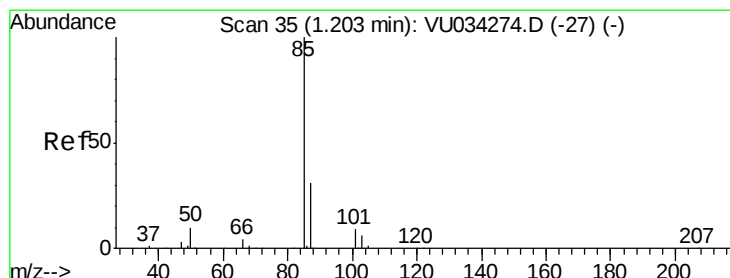
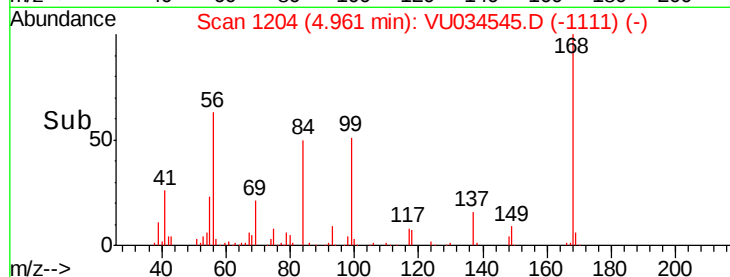
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 47.655 ug/l

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU034545.D

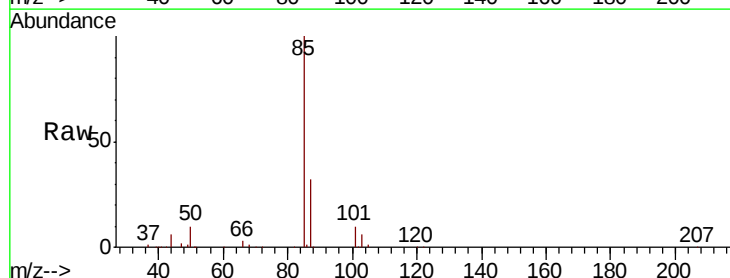
Acq: 13 Sep 2019 00:58

Tgt Ion: 85 Resp: 115364

Ion Ratio Lower Upper

85 100

87 32.4 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) (-)

1.20

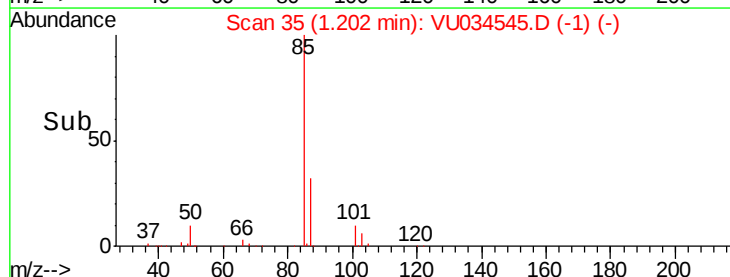
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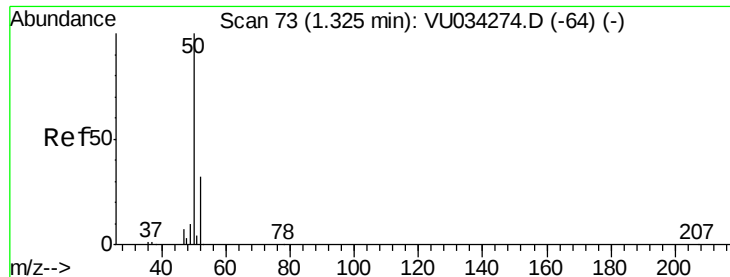
50000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 53.108 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034545.D

Acq: 13 Sep 2019 00:58

Instrument :

MSVOA_U

ClientSampleId :

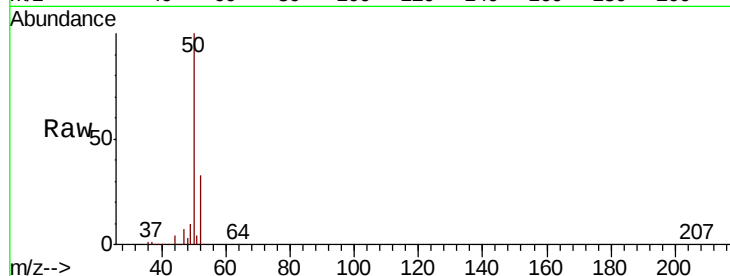
CPA-CPMW09D-M27W1-090319MS

Tgt Ion: 50 Resp: 138884

Ion Ratio Lower Upper

50 100

52 33.1 25.8 38.6



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

Ion 51.90 (51.60 to 52.60): VU034545.D (-1) (-)

1.32

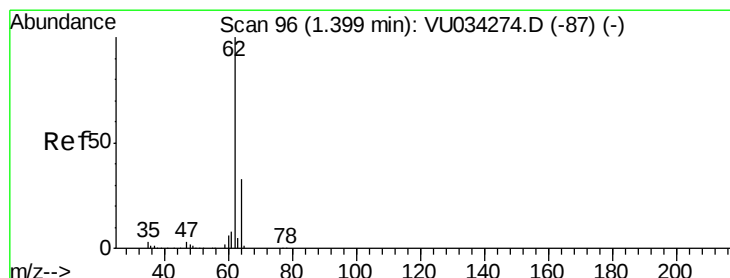
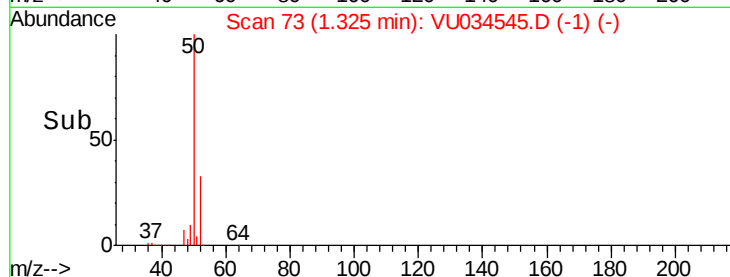
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 48.755 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU034545.D

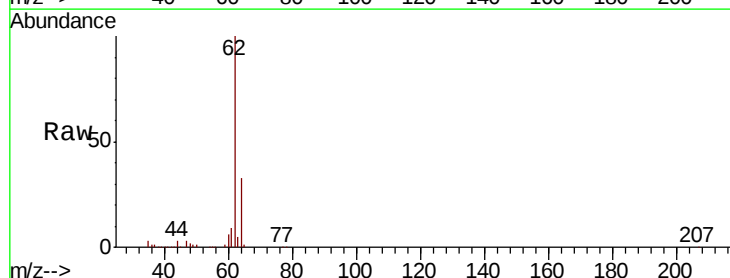
Acq: 13 Sep 2019 00:58

Tgt Ion: 62 Resp: 147074

Ion Ratio Lower Upper

62 100

64 32.5 26.2 39.4



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

Ion 63.90 (63.60 to 64.60): VU034545.D (-3) (-)

1.40

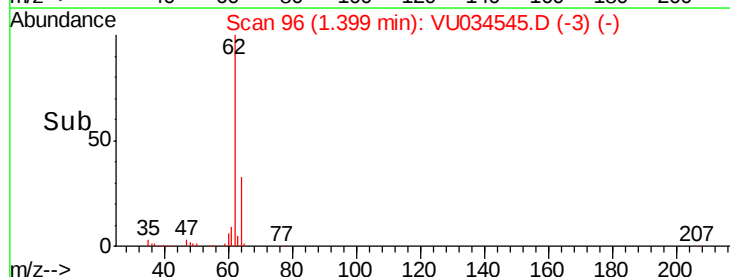
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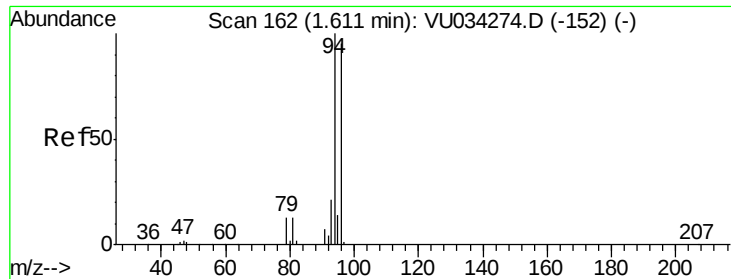
100000

50000

0

Time-->





#5

Bromomethane

Concen: 60.949 ug/l

RT: 1.61 min Scan# 161

Delta R.T. -0.00 min

Lab File: VU034545.D

Acq: 13 Sep 2019 00:58

Instrument :

MSVOA_U

ClientSampleId :

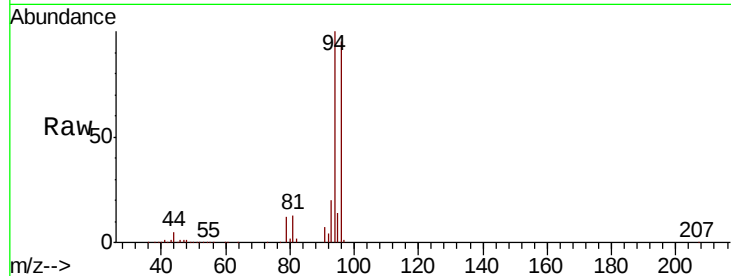
CPA-CPMW09D-M27W1-090319MS

Tgt Ion: 94 Resp: 91886

Ion Ratio Lower Upper

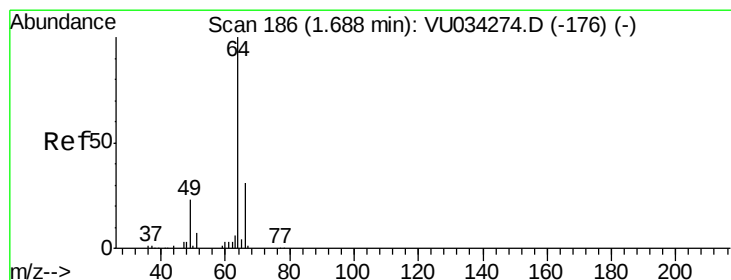
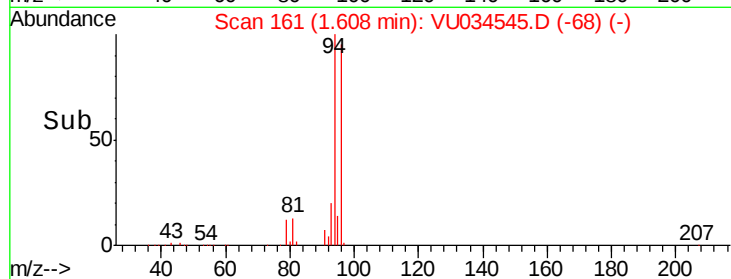
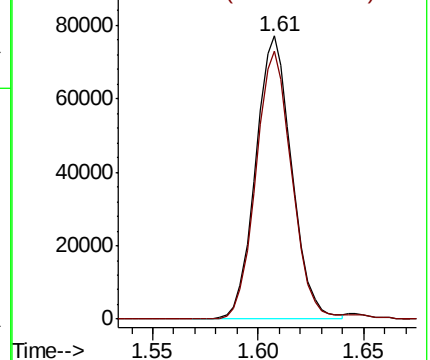
94 100

96 94.8 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: 54.665 ug/l

RT: 1.68 min Scan# 185

Delta R.T. -0.00 min

Lab File: VU034545.D

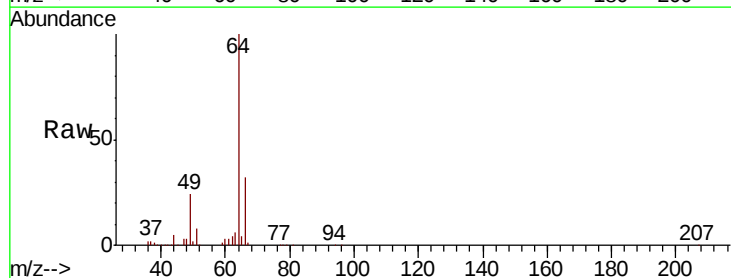
Acq: 13 Sep 2019 00:58

Tgt Ion: 64 Resp: 95681

Ion Ratio Lower Upper

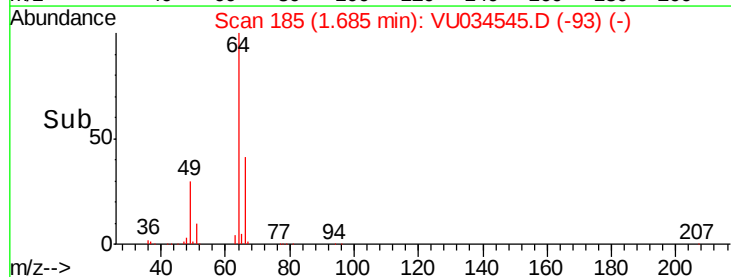
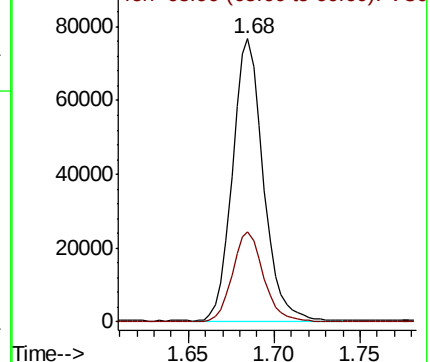
64 100

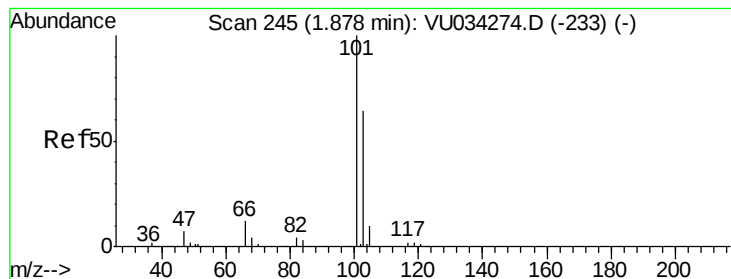
66 31.9 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



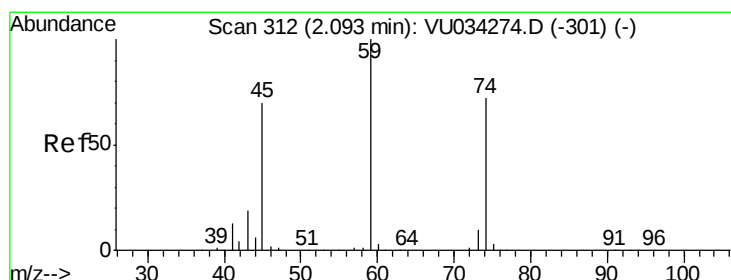
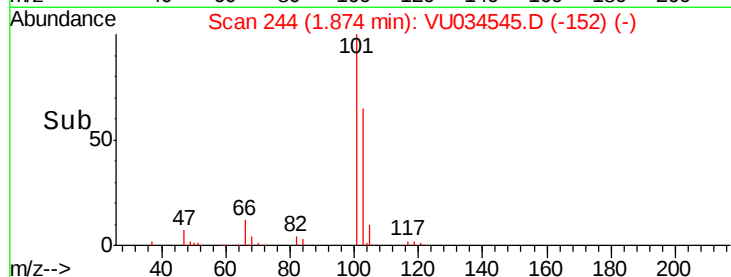
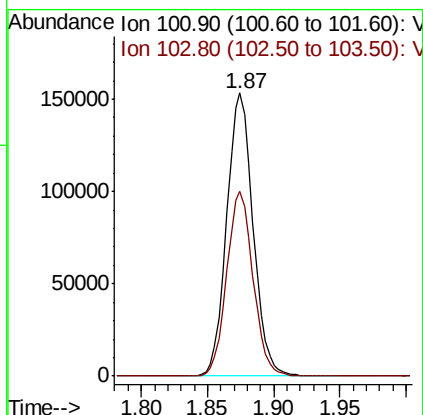
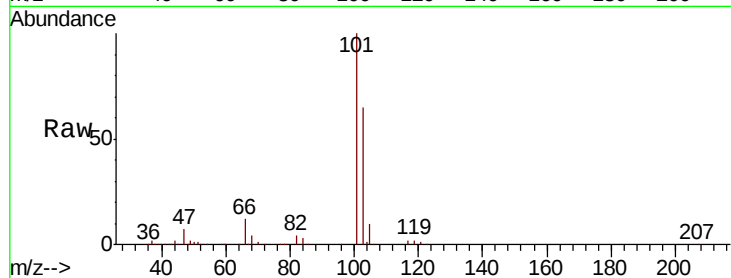


#7

Trichlorofluoromethane
 Concen: 52.354 ug/l
 RT: 1.87 min Scan# 244
 Delta R.T. -0.00 min
 Lab File: VU034545.D
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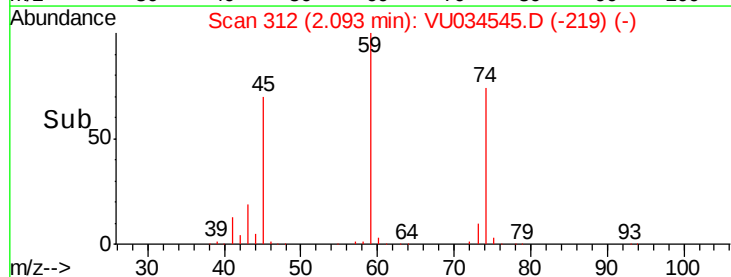
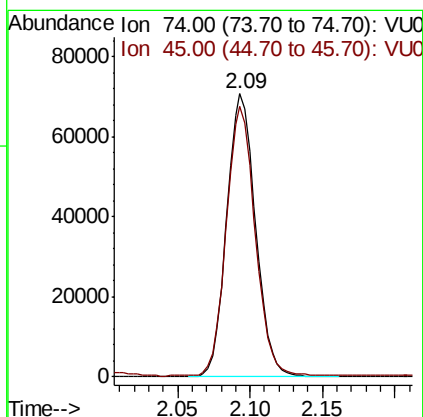
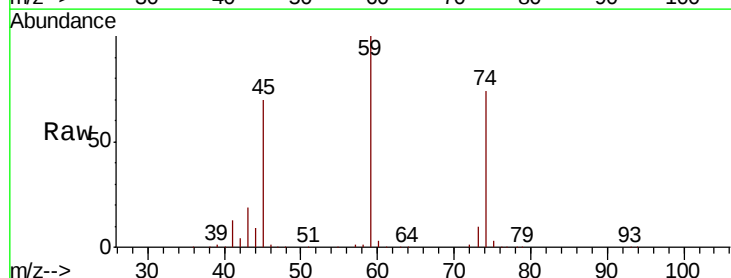
Tgt Ion:101 Resp: 211760
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.0 76.6

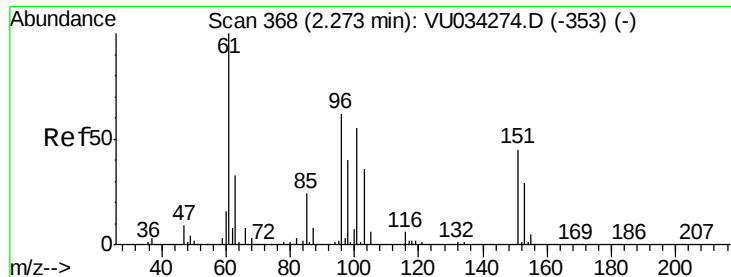


#8

Diethyl Ether
 Concen: 54.912 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. -0.00 min
 Lab File: VU034545.D
 Acq: 13 Sep 2019 00:58

Tgt Ion: 74 Resp: 97697
 Ion Ratio Lower Upper
 74 100
 45 94.8 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.864 ug/l

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU034545.D

Acq: 13 Sep 2019 00:58

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

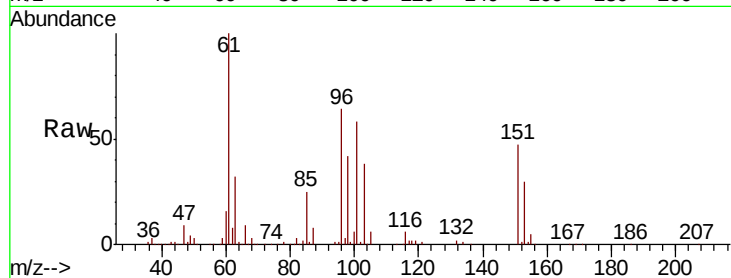
Tgt Ion:101 Resp: 136262

Ion Ratio Lower Upper

101 100

85 42.3 34.4 51.6

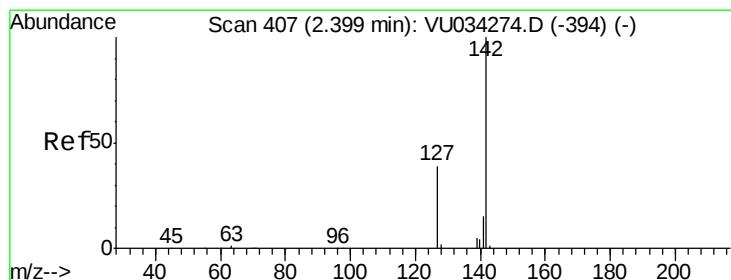
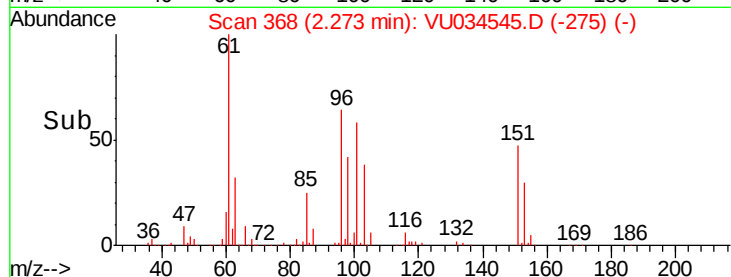
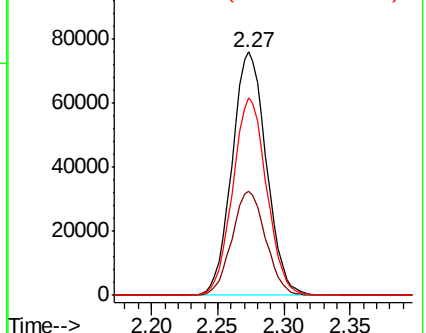
151 80.2 64.4 96.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.944 ug/l

RT: 2.40 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU034545.D

Acq: 13 Sep 2019 00:58

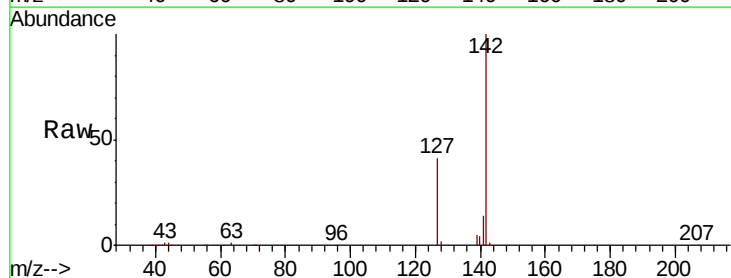
Tgt Ion:142 Resp: 117089

Ion Ratio Lower Upper

142 100

127 40.9 32.1 48.1

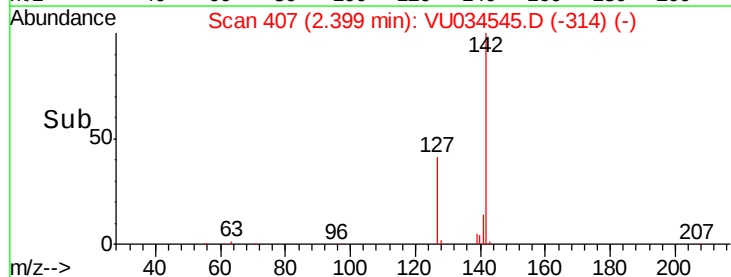
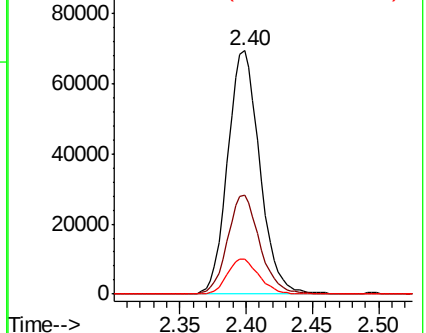
141 14.2 11.5 17.3

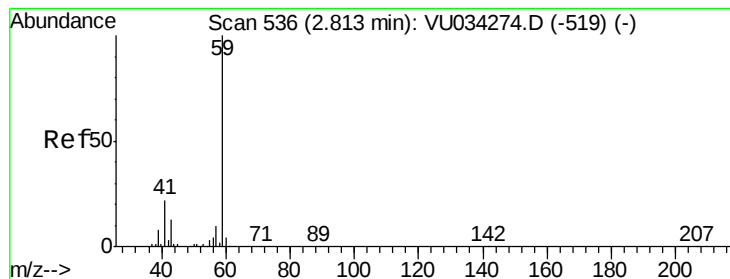


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 319.554 ug/l

RT: 2.81 min Scan# 536

Delta R.T. -0.00 min

Lab File: VU034545.D

Acq: 13 Sep 2019 00:58

Instrument :

MSVOA_U

ClientSampleId :

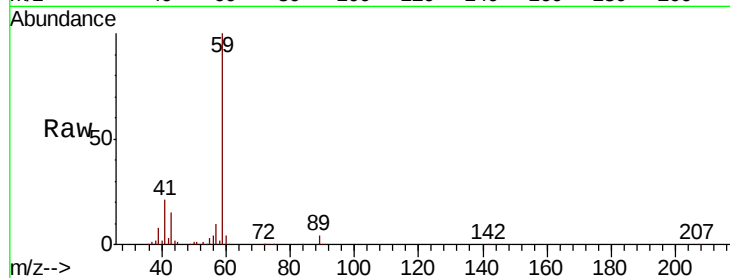
CPA-CPMW09D-M27W1-090319MS

Tgt Ion: 59 Resp: 236431

Ion Ratio Lower Upper

59 100

57 9.8 7.9 11.9



Abundance Ion 59.00 (58.70 to 59.70): VU034274.D (-519) (-)

Ion 57.00 (56.70 to 57.70): VU034274.D (-519) (-)

2.81

120000

100000

80000

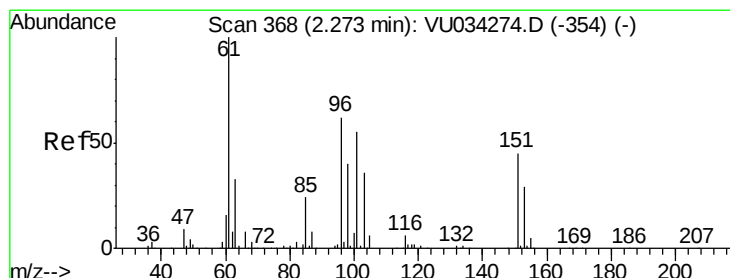
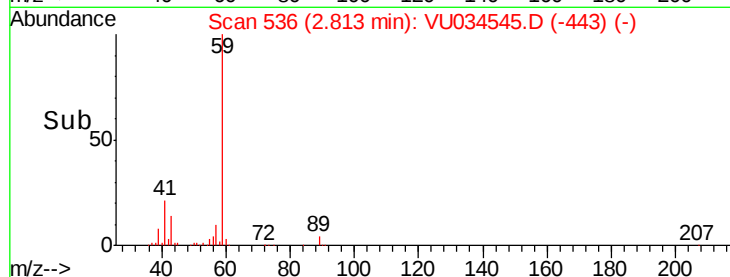
60000

40000

20000

0

Time--> 2.70 2.80 2.90



#12

1,1-Dichloroethene

Concen: 52.093 ug/l

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU034545.D

Acq: 13 Sep 2019 00:58

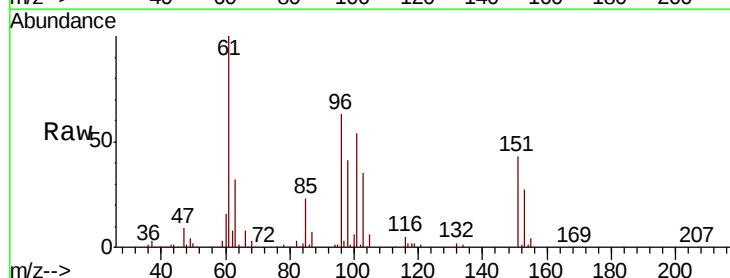
Tgt Ion: 96 Resp: 131189

Ion Ratio Lower Upper

96 100

61 158.1 130.0 195.0

98 64.5 52.2 78.4



Abundance Ion 95.90 (95.60 to 96.60): VU034274.D (-354) (-)

Ion 60.90 (60.60 to 61.60): VU034274.D (-354) (-)

Ion 97.90 (97.60 to 98.60): VU034274.D (-354) (-)

2.27

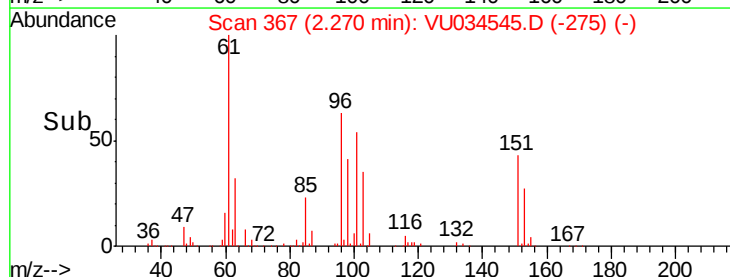
150000

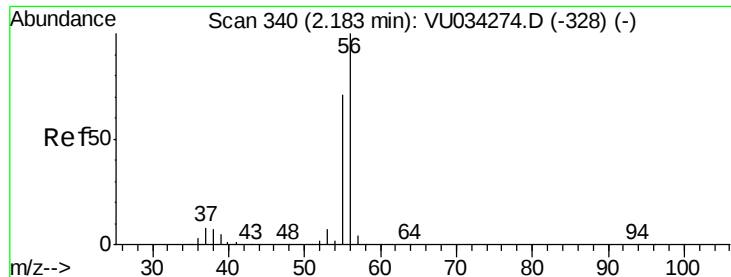
100000

50000

0

Time--> 2.20 2.25 2.30 2.35





#13

Acrolein

Concen: 213.206 ug/l

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VU034545.D

Acq: 13 Sep 2019 00:58

Instrument :

MSVOA_U

ClientSampleId :

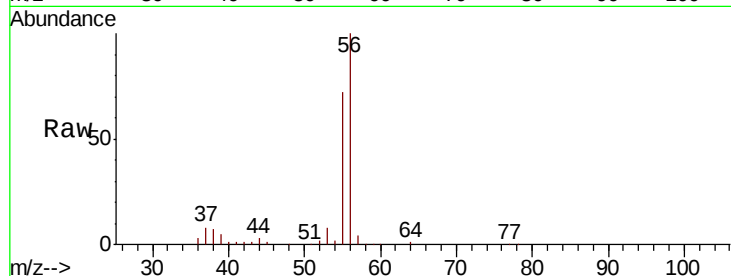
CPA-CPMW09D-M27W1-090319MS

Tgt Ion: 56 Resp: 132584

Ion Ratio Lower Upper

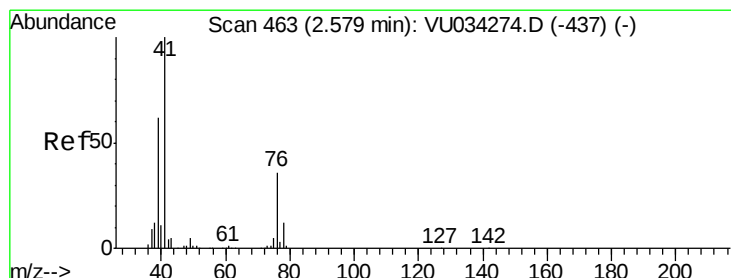
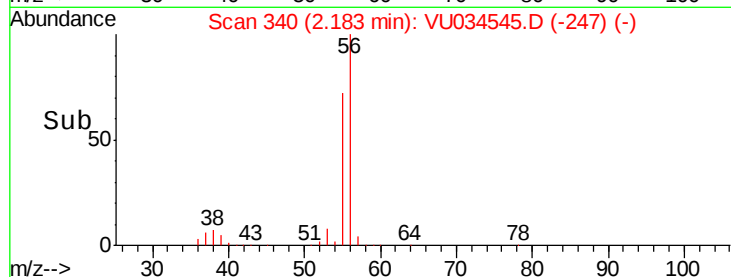
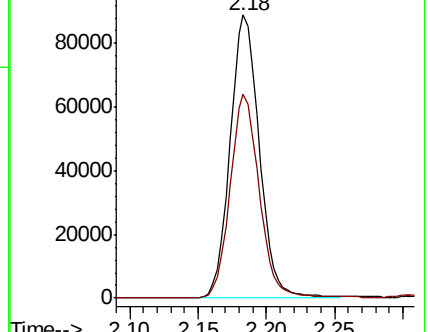
56 100

55 71.9 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) (-)



#14

Allyl chloride

Concen: 44.437 ug/l

RT: 2.58 min Scan# 463

Delta R.T. -0.00 min

Lab File: VU034545.D

Acq: 13 Sep 2019 00:58

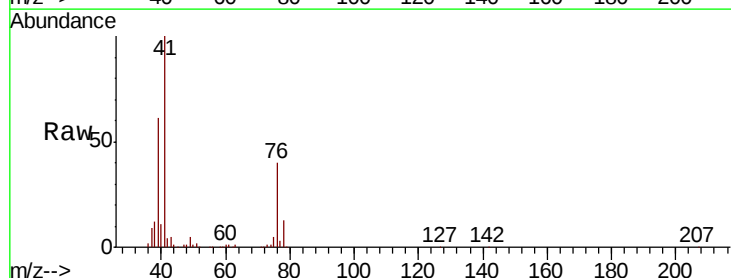
Tgt Ion: 41 Resp: 213948

Ion Ratio Lower Upper

41 100

39 62.1 43.5 65.3

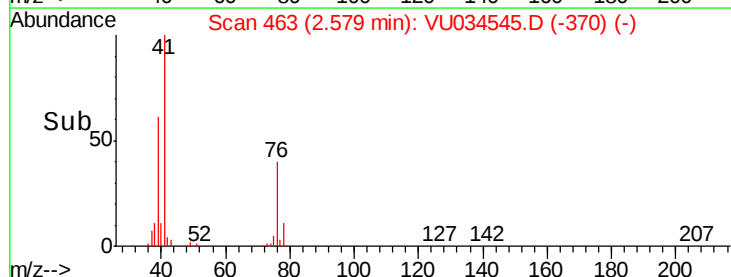
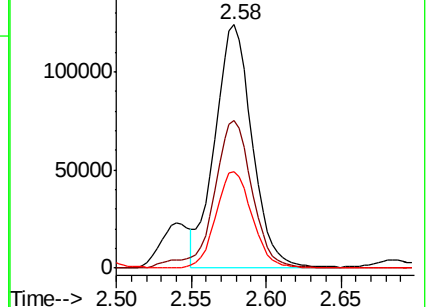
76 38.4 27.0 40.6

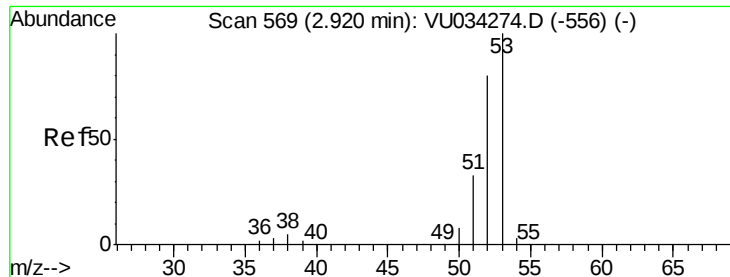


Abundance Ion 41.00 (40.70 to 41.70): VU034274.D (-437) (-)

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

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





#15

Acrylonitrile

Concen: 302.406 ug/l

RT: 2.92 min Scan# 569

Delta R.T. -0.00 min

Lab File: VU034545.D

Acq: 13 Sep 2019 00:58

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

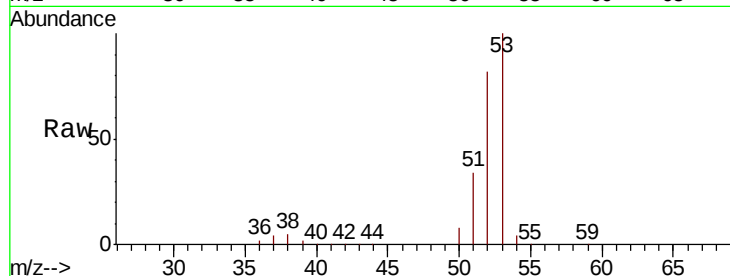
Tgt Ion: 53 Resp: 557173

Ion Ratio Lower Upper

53 100

52 82.1 64.1 96.1

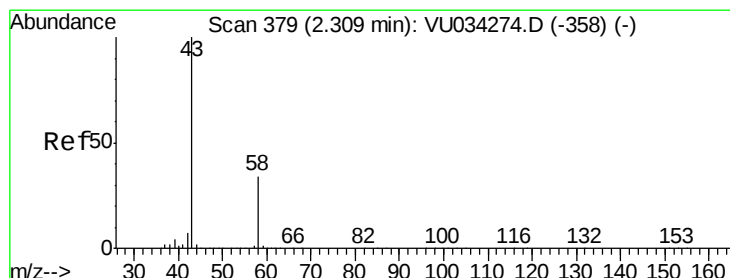
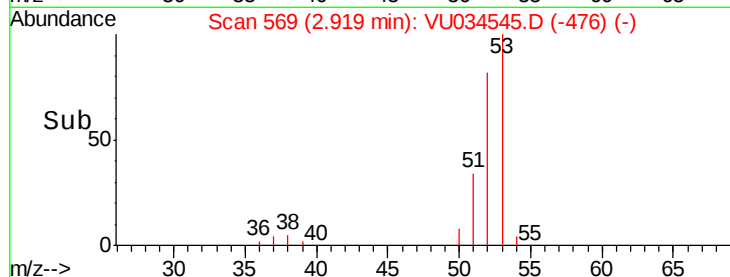
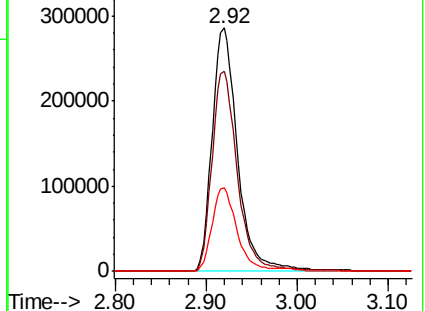
51 33.1 27.4 41.0



Abundance Ion 53.00 (52.70 to 53.70): VU034274.D (-556) (-)

Ion 52.00 (51.70 to 52.70): VU034274.D (-556) (-)

Ion 51.00 (50.70 to 51.70): VU034274.D (-556) (-)



#16

Acetone

Concen: 248.605 ug/l

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VU034545.D

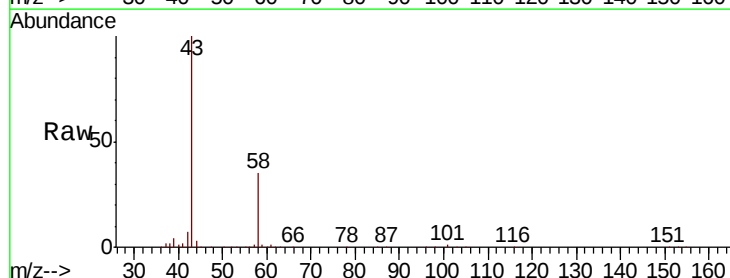
Acq: 13 Sep 2019 00:58

Tgt Ion: 43 Resp: 450558

Ion Ratio Lower Upper

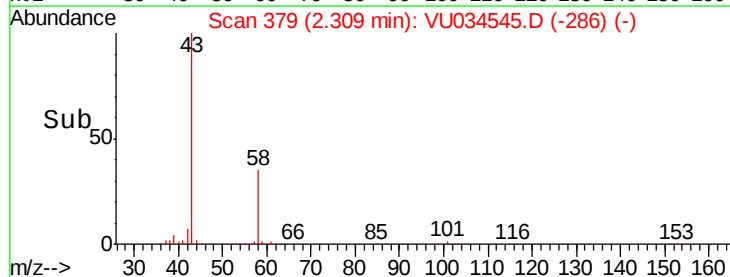
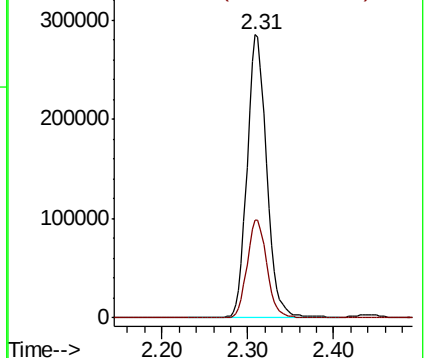
43 100

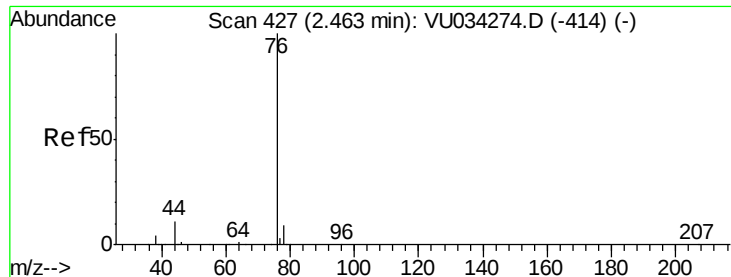
58 34.5 27.6 41.4



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

Ion 58.00 (57.70 to 58.70): VU034274.D (-358) (-)

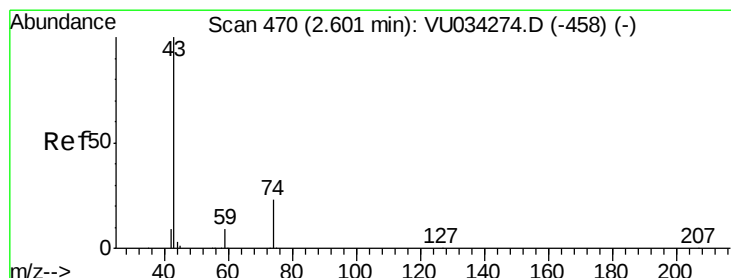
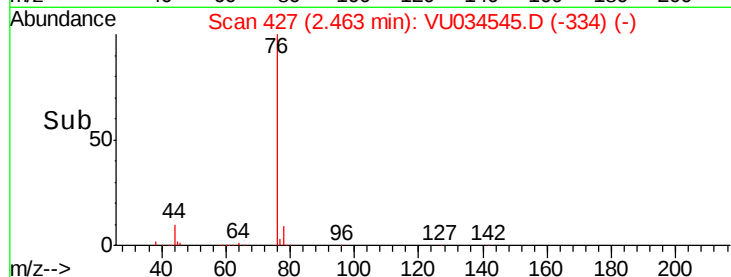
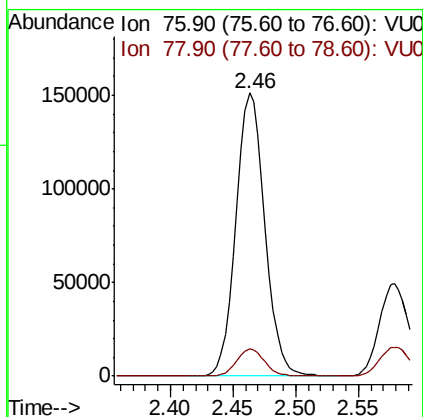
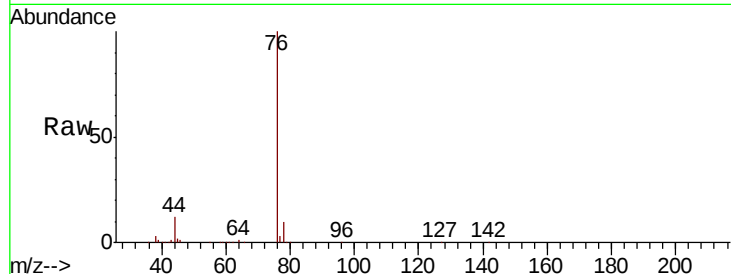




#17
Carbon Disulfide
Concen: 42.933 ug/l
RT: 2.46 min Scan# 427
Delta R.T. -0.00 min
Lab File: VU034545.D
Acq: 13 Sep 2019 00:58

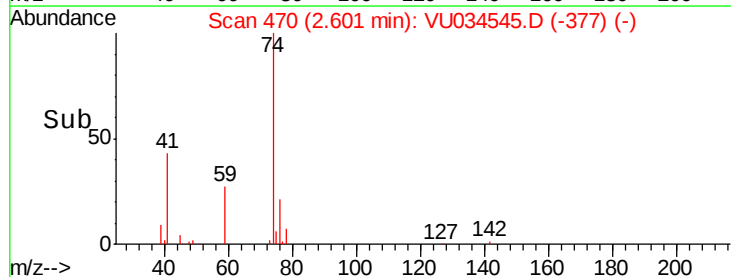
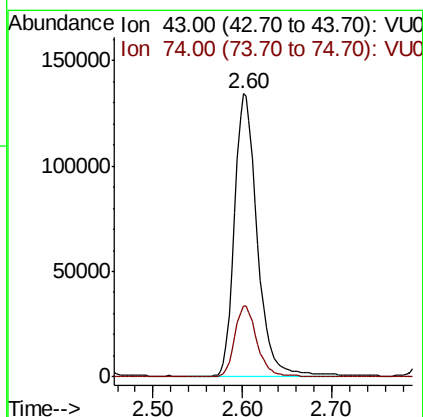
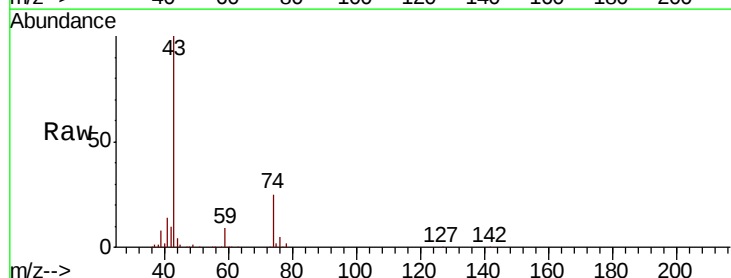
Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW09D-M27W1-090319MS

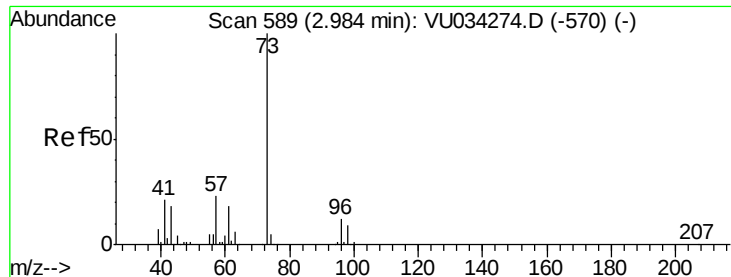
Tgt Ion: 76 Resp: 243001
Ion Ratio Lower Upper
76 100
78 9.5 7.2 10.8



#18
Methyl Acetate
Concen: 53.461 ug/l
RT: 2.60 min Scan# 470
Delta R.T. -0.00 min
Lab File: VU034545.D
Acq: 13 Sep 2019 00:58

Tgt Ion: 43 Resp: 235759
Ion Ratio Lower Upper
43 100
74 25.0 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 58.444 ug/l

RT: 2.98 min Scan# 589

Delta R.T. -0.00 min

Lab File: VU034545.D

Acq: 13 Sep 2019 00:58

Instrument :

MSVOA_U

ClientSampleId :

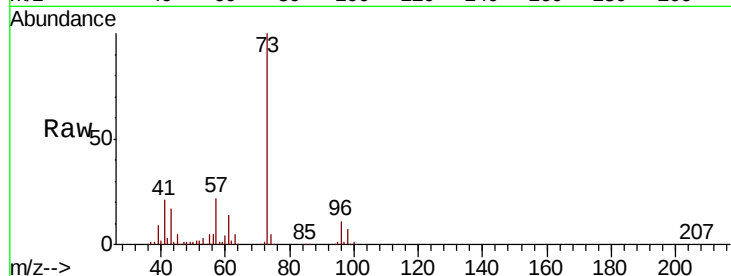
CPA-CPMW09D-M27W1-090319MS

Tgt Ion: 73 Resp: 536472

Ion Ratio Lower Upper

73 100

57 22.4 18.2 27.4



Abundance Ion 73.00 (72.70 to 73.70): VU034274.D (-570) (-)

Ion 57.00 (56.70 to 57.70): VU034274.D (-570) (-)

2.98

250000

200000

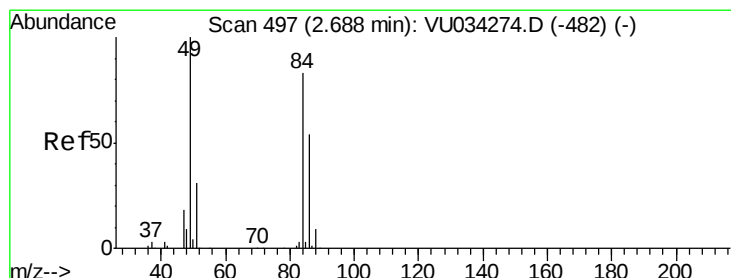
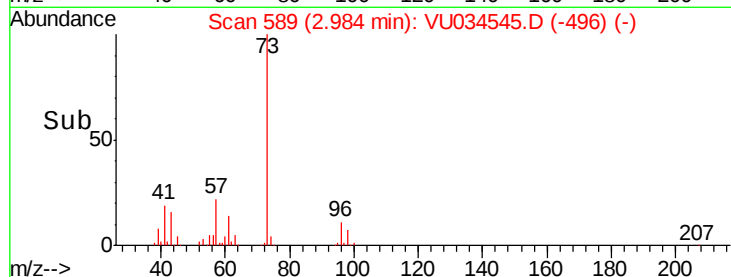
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 58.380 ug/l

RT: 2.68 min Scan# 496

Delta R.T. -0.00 min

Lab File: VU034545.D

Acq: 13 Sep 2019 00:58

Tgt Ion: 84 Resp: 173100

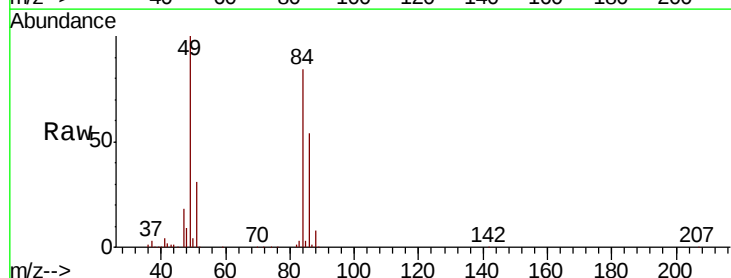
Ion Ratio Lower Upper

84 100

49 119.7 96.0 144.0

51 36.9 30.0 45.0

86 64.6 51.4 77.0



Abundance Ion 83.90 (83.60 to 84.60): VU034274.D (-482) (-)

Ion 48.90 (48.60 to 49.60): VU034274.D (-482) (-)

Ion 50.90 (50.60 to 51.60): VU034274.D (-482) (-)

Ion 85.90 (85.60 to 86.60): VU034274.D (-482) (-)

2.68

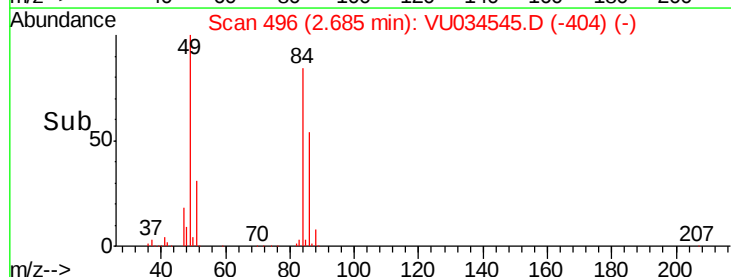
150000

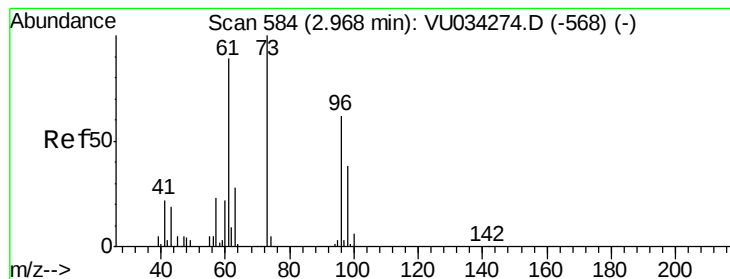
100000

50000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 52.243 ug/l

RT: 2.96 min Scan# 583

Delta R.T. -0.00 min

Lab File: VU034545.D

Acq: 13 Sep 2019 00:58

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

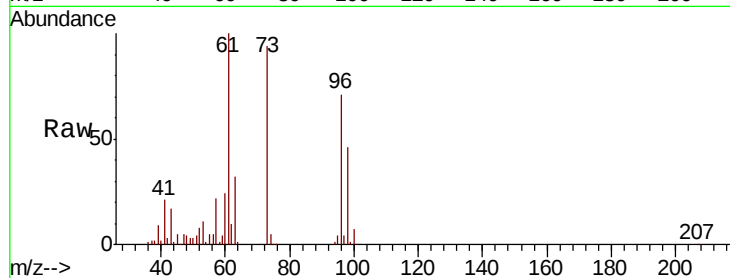
Tgt Ion: 96 Resp: 138646

Ion Ratio Lower Upper

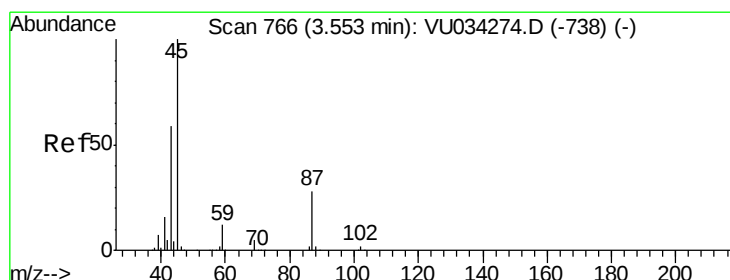
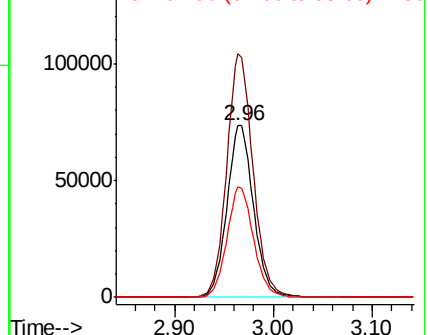
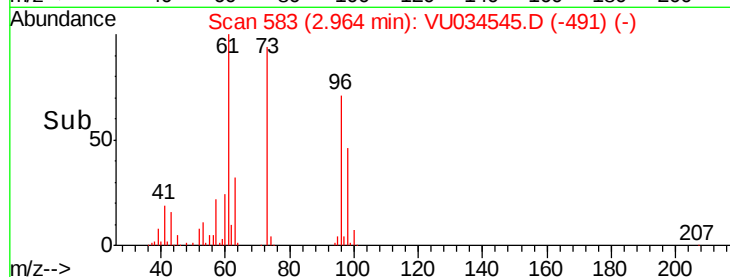
96 100

61 141.7 114.8 172.2

98 64.7 49.8 74.8



Abundance Ion 95.90 (95.60 to 96.60): VU034545.D (-491) (-)



#22

Diisopropyl ether

Concen: 57.905 ug/l

RT: 3.55 min Scan# 765

Delta R.T. -0.00 min

Lab File: VU034545.D

Acq: 13 Sep 2019 00:58

Tgt Ion: 45 Resp: 543682

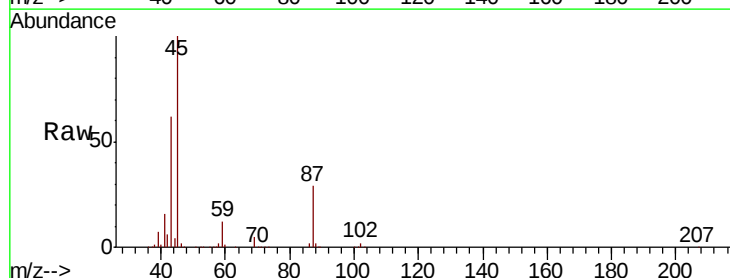
Ion Ratio Lower Upper

45 100

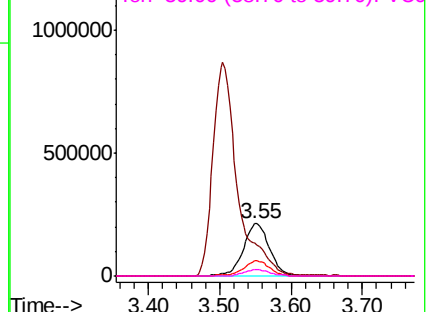
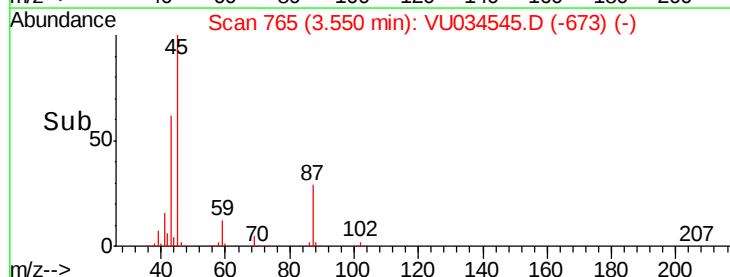
43 62.4 47.5 71.3

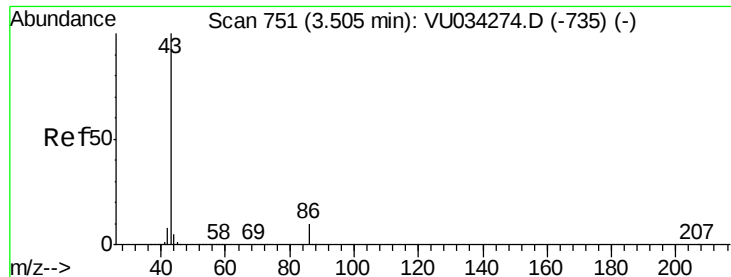
87 29.0 22.2 33.4

59 12.2 9.4 14.2



Abundance Ion 45.00 (44.70 to 45.70): VU034545.D (-673) (-)





#23

Vinyl Acetate

Concen: 272.773 ug/l

RT: 3.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: VU034545.D

Acq: 13 Sep 2019 00:58

Instrument :

MSVOA_U

ClientSampleId :

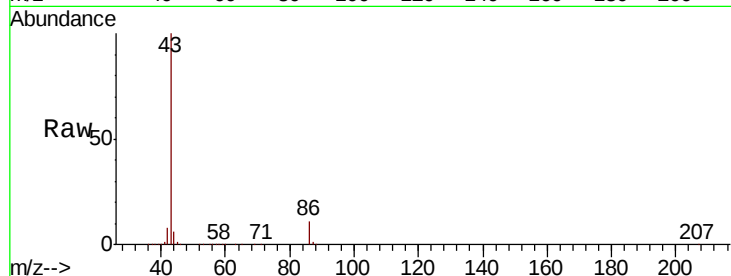
CPA-CPMW09D-M27W1-090319MS

Tgt Ion: 43 Resp: 2086193

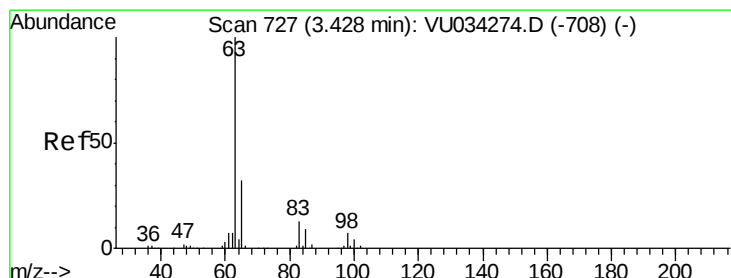
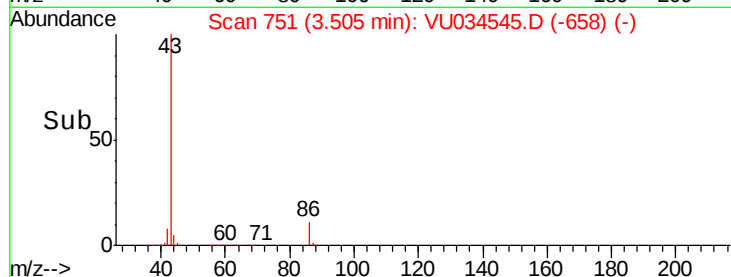
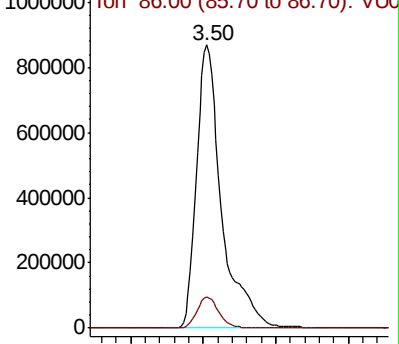
Ion Ratio Lower Upper

43 100

86 10.9 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VU034545.D (-658) (-)



#24

1,1-Dichloroethane

Concen: 54.587 ug/l

RT: 3.43 min Scan# 727

Delta R.T. -0.00 min

Lab File: VU034545.D

Acq: 13 Sep 2019 00:58

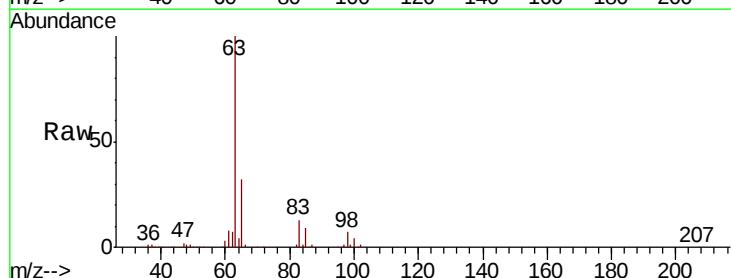
Tgt Ion: 63 Resp: 306079

Ion Ratio Lower Upper

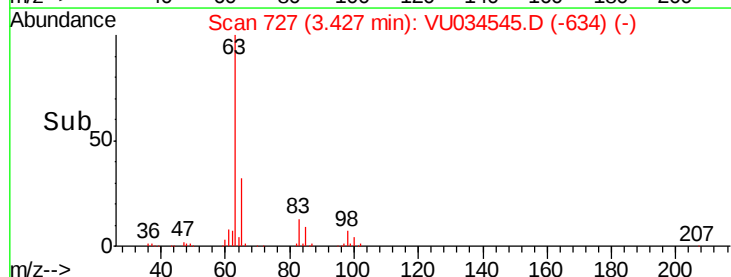
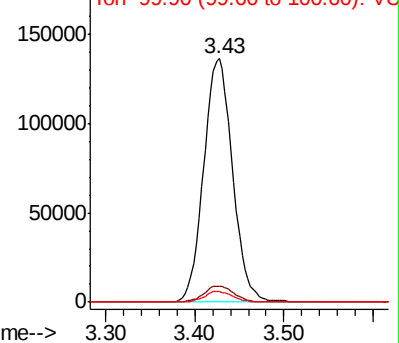
63 100

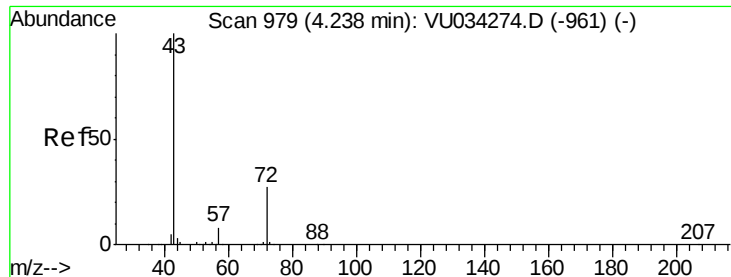
98 6.6 3.5 10.4

100 4.3 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VU034545.D (-634) (-)





#25

2-Butanone

Concen: 297.718 ug/l

RT: 4.24 min Scan# 979

Delta R.T. -0.00 min

Lab File: VU034545.D

Acq: 13 Sep 2019 00:58

Instrument :

MSVOA_U

ClientSampleId :

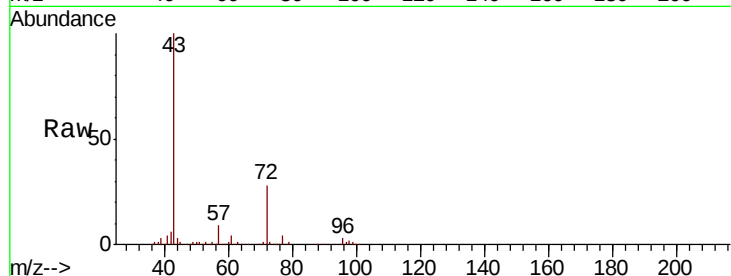
CPA-CPMW09D-M27W1-090319MS

Tgt Ion: 43 Resp: 720252

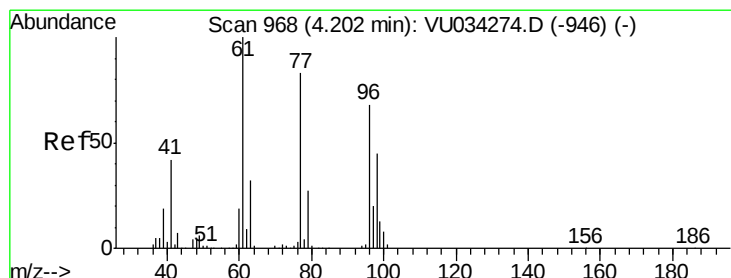
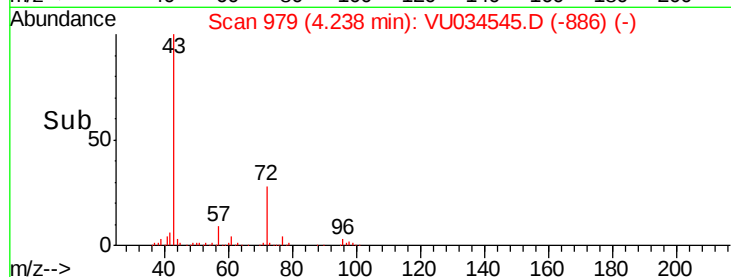
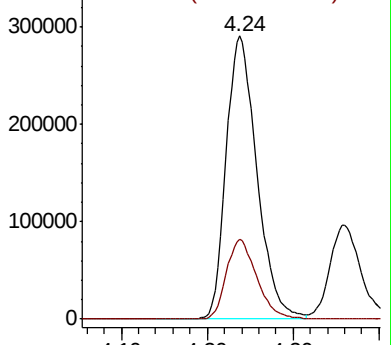
Ion Ratio Lower Upper

43 100

72 28.2 21.8 32.6



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



#26

2,2-Dichloropropane

Concen: 43.338 ug/l

RT: 4.20 min Scan# 968

Delta R.T. -0.00 min

Lab File: VU034545.D

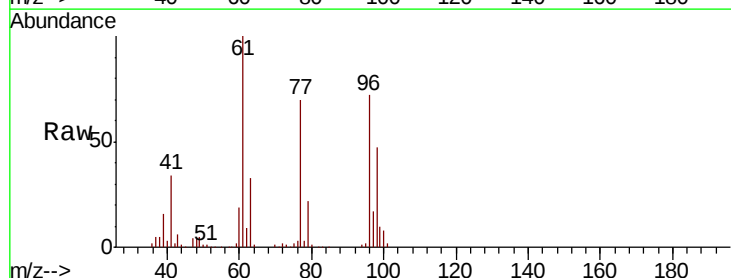
Acq: 13 Sep 2019 00:58

Tgt Ion: 77 Resp: 195443

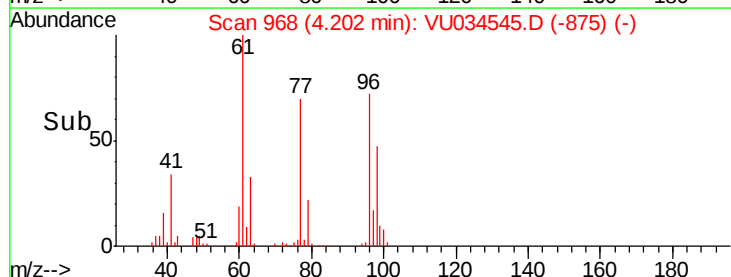
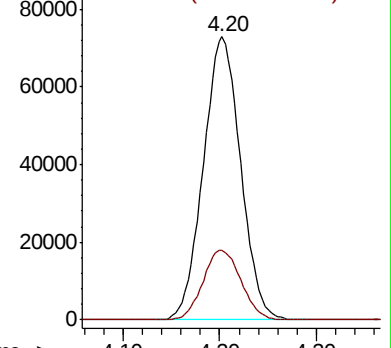
Ion Ratio Lower Upper

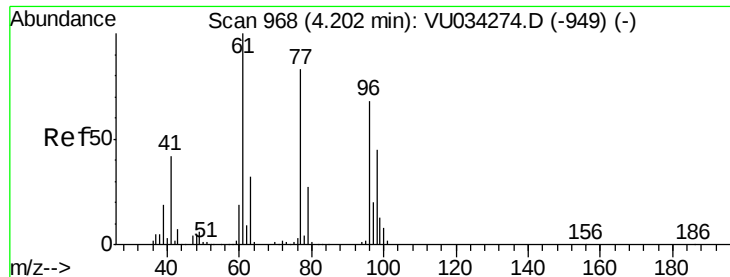
77 100

97 25.0 11.8 35.3



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



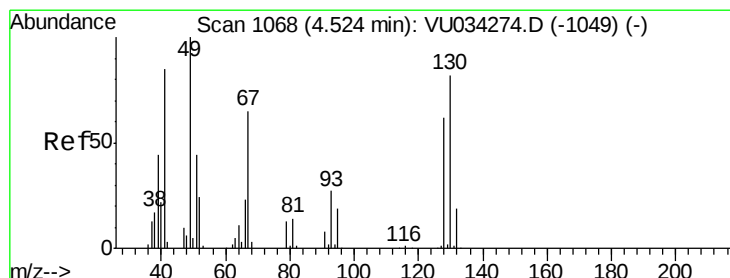
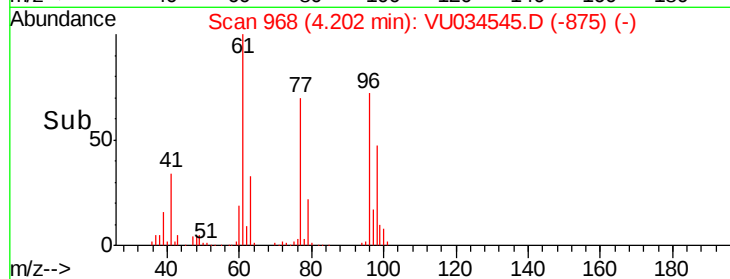
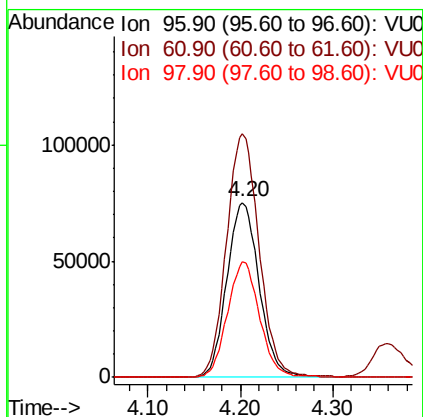
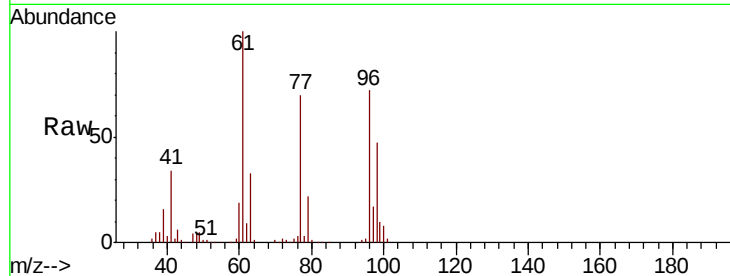


#27

cis-1,2-Dichloroethene
 Concen: 56.404 ug/l
 RT: 4.20 min Scan# 968
 Delta R.T. -0.00 min
 Lab File: VU034545.D
 Acq: 13 Sep 2019 00:58

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

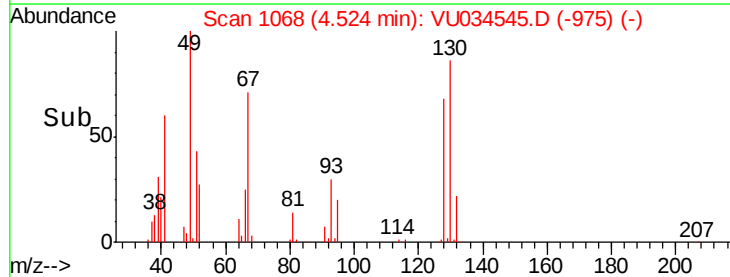
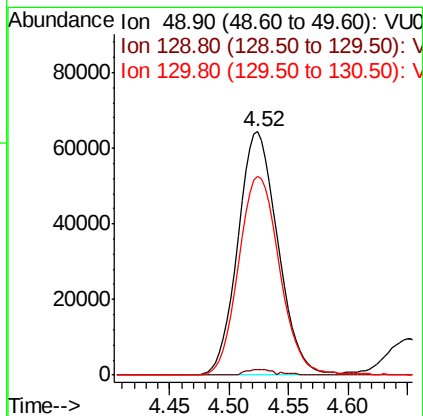
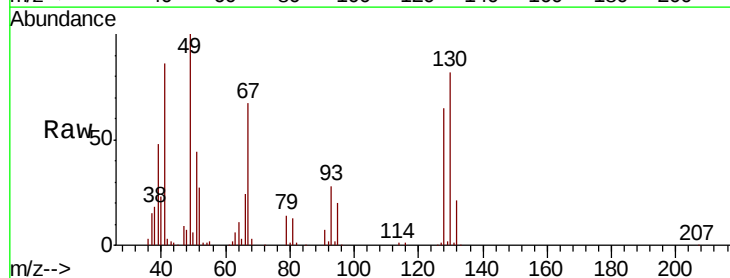
Tgt Ion	Resp	Lower	Upper
96	181799		
61	140.9	0.0	297.4
98	65.8	0.0	130.0

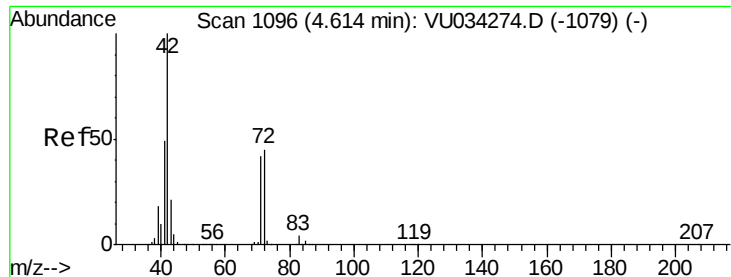


#28

Bromochloromethane
 Concen: 58.116 ug/l
 RT: 4.52 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VU034545.D
 Acq: 13 Sep 2019 00:58

Tgt Ion	Resp	Lower	Upper
49	149886		
129	1.4	0.0	3.8
130	83.8	65.2	97.8

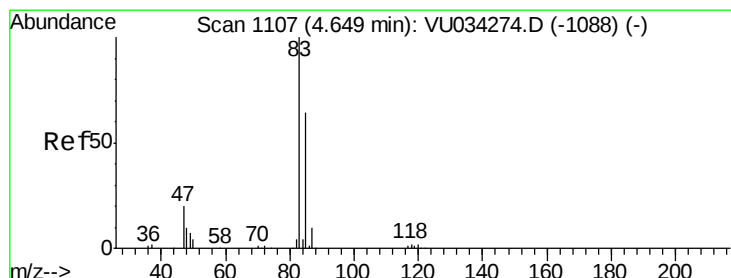
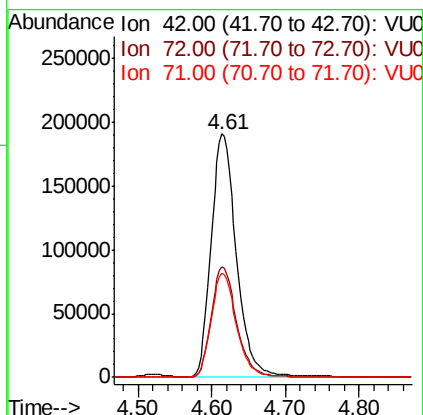
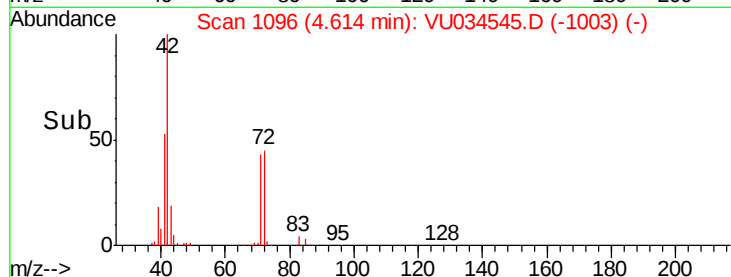
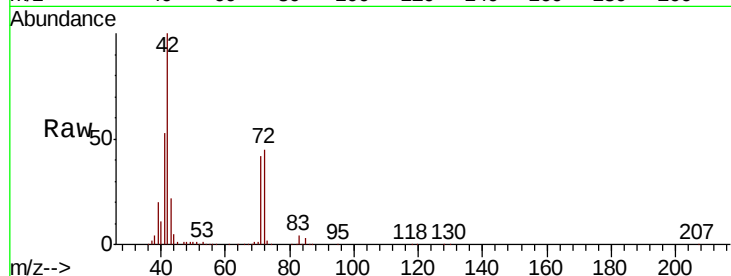




#29
Tetrahydrofuran
Concen: 307.202 ug/l
RT: 4.61 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VU034545.D
Acq: 13 Sep 2019 00:58

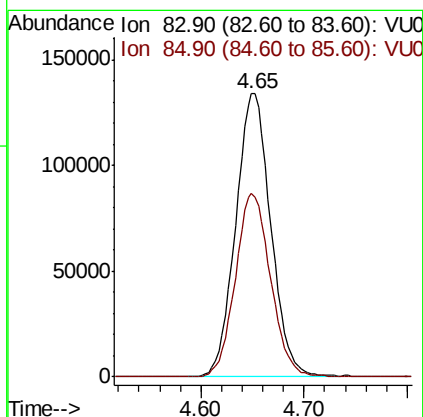
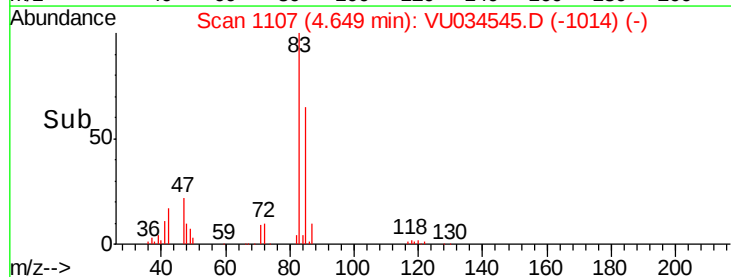
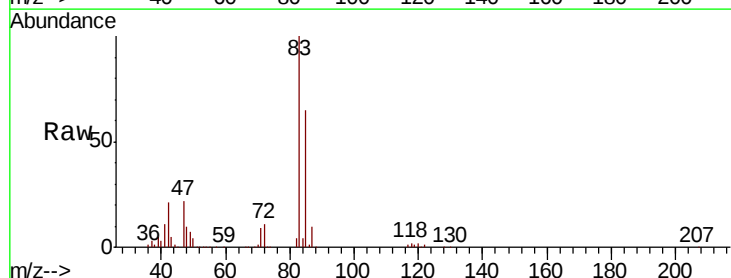
Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW09D-M27W1-090319MS

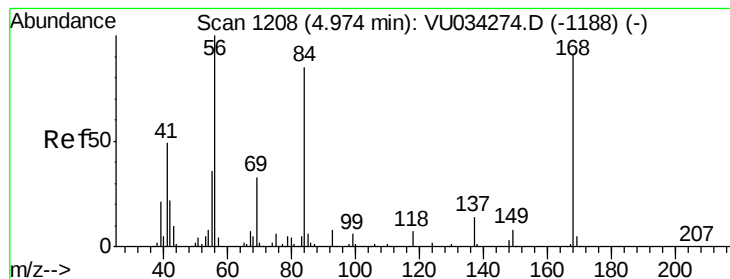
Tgt Ion: 42 Resp: 452240
Ion Ratio Lower Upper
42 100
72 45.7 36.6 54.8
71 43.1 34.3 51.5



#30
Chloroform
Concen: 55.664 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VU034545.D
Acq: 13 Sep 2019 00:58

Tgt Ion: 83 Resp: 317255
Ion Ratio Lower Upper
83 100
85 64.7 51.5 77.3





#31

Cyclohexane

Concen: 47.833 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VU034545.D

Acq: 13 Sep 2019 00:58

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

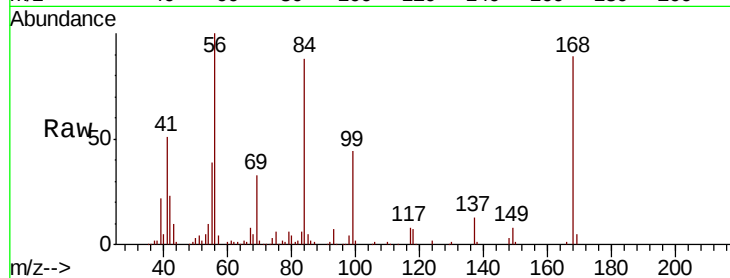
Tgt Ion: 56 Resp: 196217

Ion Ratio Lower Upper

56 100

69 33.0 26.7 40.1

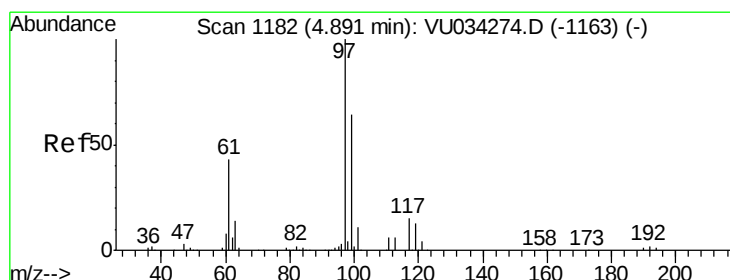
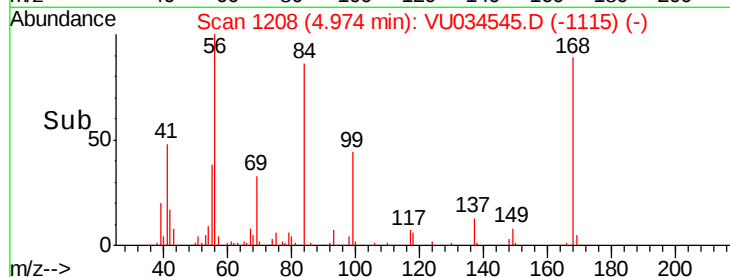
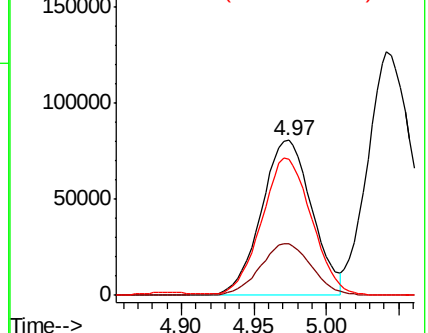
84 86.5 68.2 102.4



Abundance Ion 56.00 (55.70 to 56.70): VU034274.D (-1188) (-)

Ion 69.00 (68.70 to 69.70): VU034274.D (-1188) (-)

Ion 84.00 (83.70 to 84.70): VU034274.D (-1188) (-)



#32

1,1,1-Trichloroethane

Concen: 55.390 ug/l

RT: 4.89 min Scan# 1183

Delta R.T. 0.00 min

Lab File: VU034545.D

Acq: 13 Sep 2019 00:58

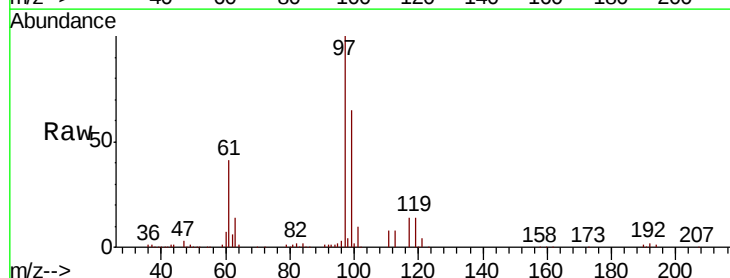
Tgt Ion: 97 Resp: 252405

Ion Ratio Lower Upper

97 100

99 64.5 50.9 76.3

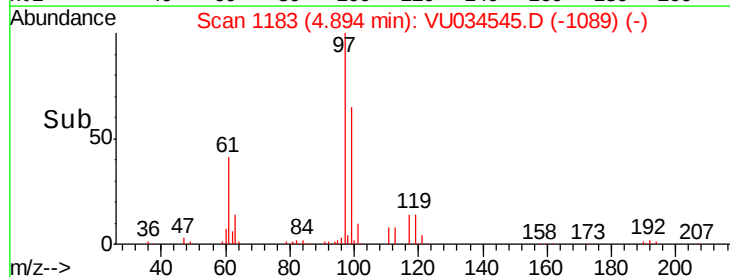
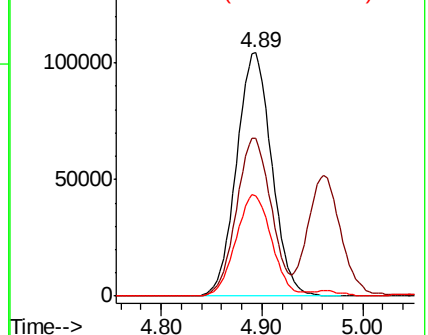
61 43.1 34.7 52.1

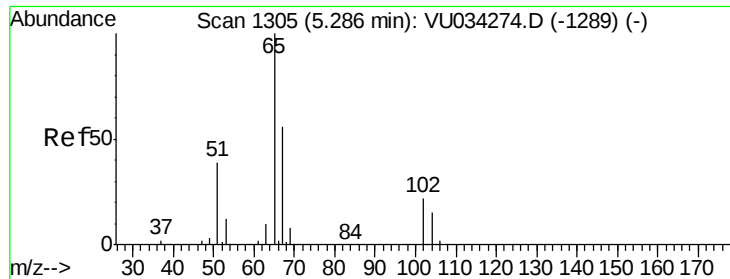


Abundance Ion 96.90 (96.60 to 97.60): VU034274.D (-1163) (-)

Ion 98.90 (98.60 to 99.60): VU034274.D (-1163) (-)

Ion 60.90 (60.60 to 61.60): VU034274.D (-1163) (-)

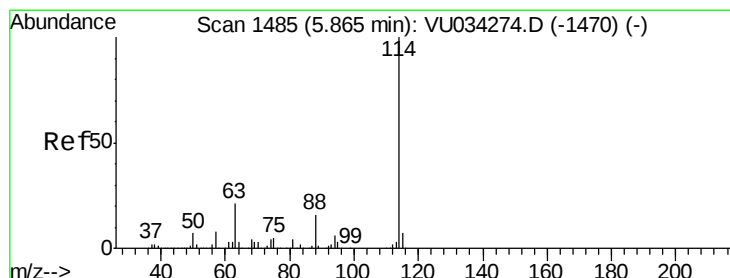
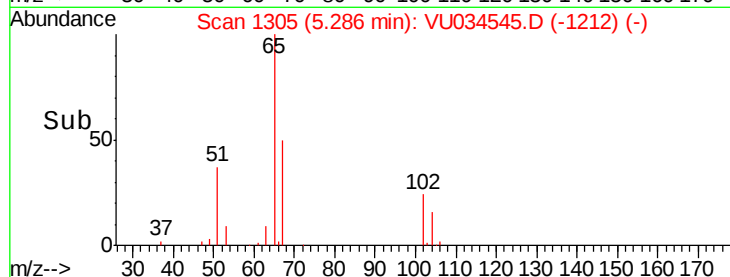
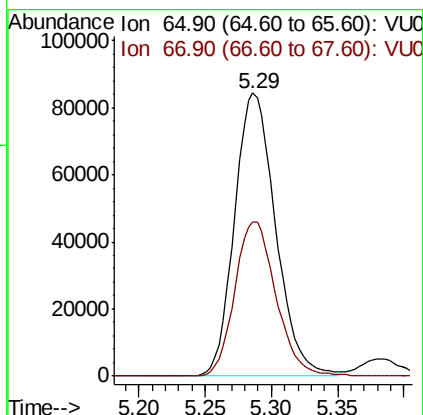
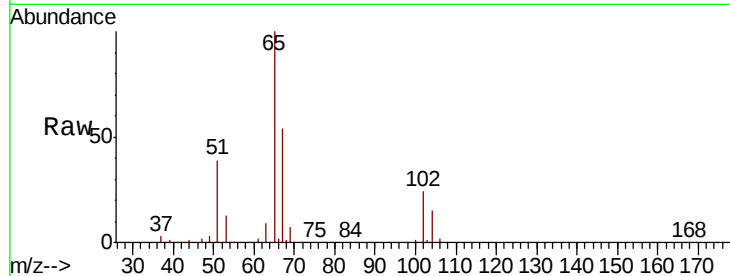




#33
 1,2-Dichloroethane-d4
 Concen: 51.951 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. -0.00 min
 Lab File: VU034545.D
 Acq: 13 Sep 2019 00:58

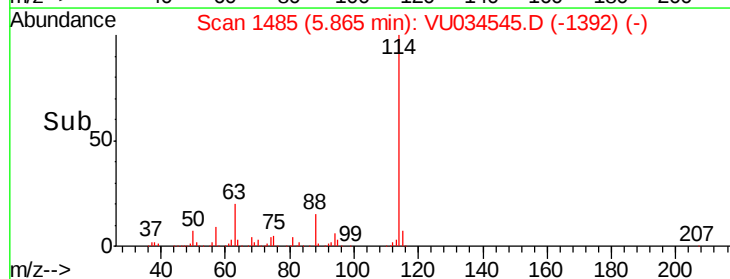
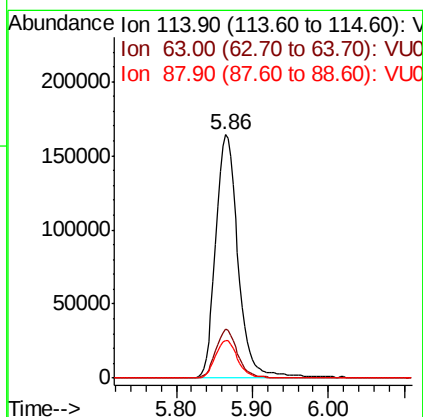
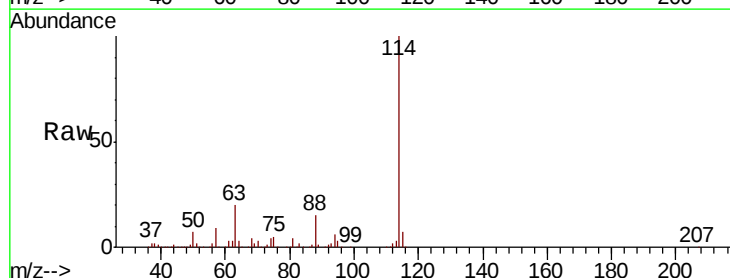
Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW09D-M27W1-090319MS

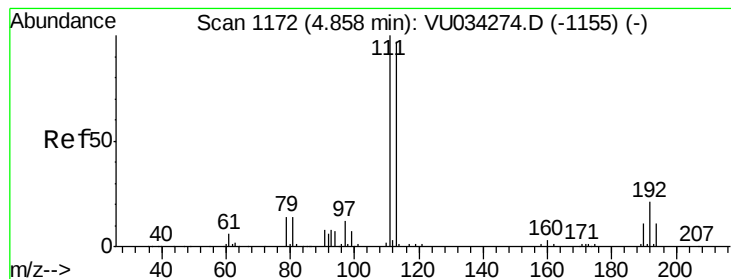
Tgt Ion: 65 Resp: 181942
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 112.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VU034545.D
 Acq: 13 Sep 2019 00:58

Tgt Ion: 114 Resp: 336820
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 42.4
 88 15.5 0.0 32.4





#35

Dibromofluoromethane

Concen: 51.880 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034545.D

Acq: 13 Sep 2019 00:58

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

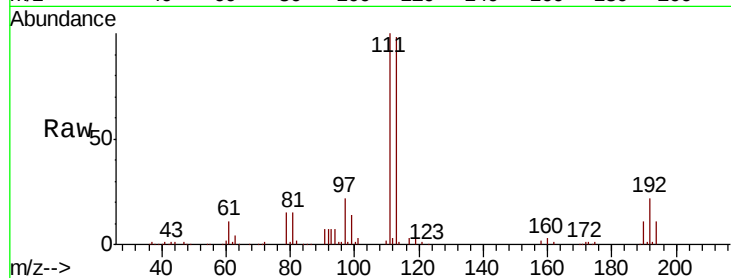
Tgt Ion: 113 Resp: 162598

Ion Ratio Lower Upper

113 100

111 103.1 81.5 122.3

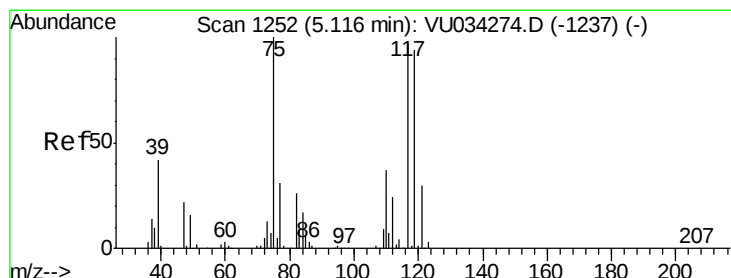
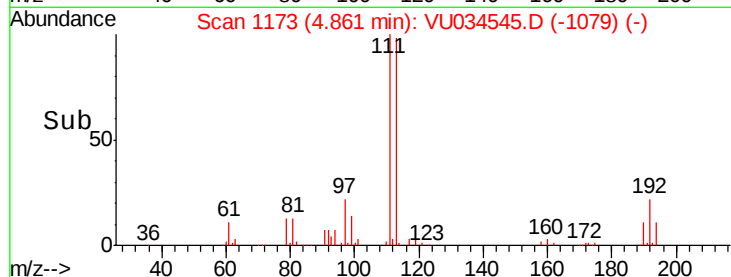
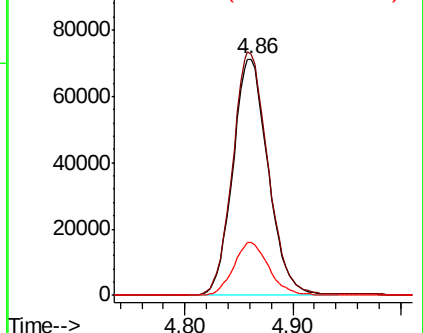
192 22.4 17.8 26.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 52.636 ug/l

RT: 5.12 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VU034545.D

Acq: 13 Sep 2019 00:58

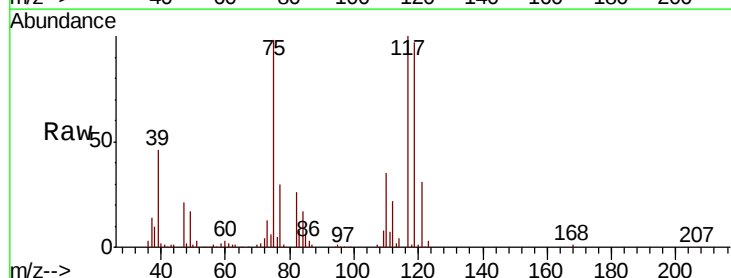
Tgt Ion: 75 Resp: 192272

Ion Ratio Lower Upper

75 100

110 36.0 18.3 54.9

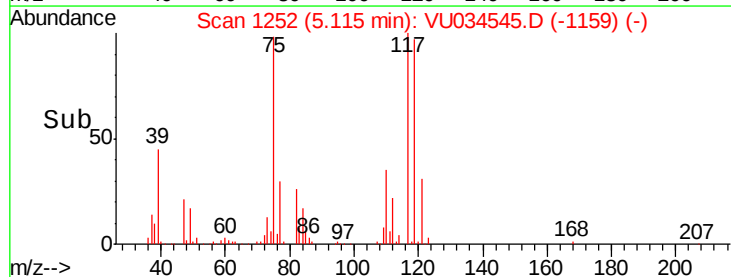
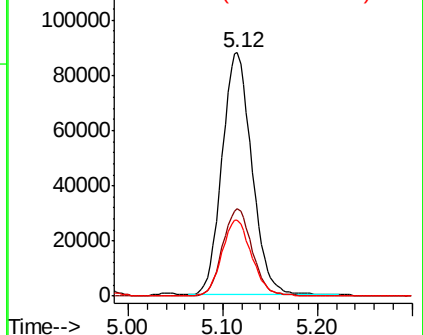
77 31.0 24.9 37.3

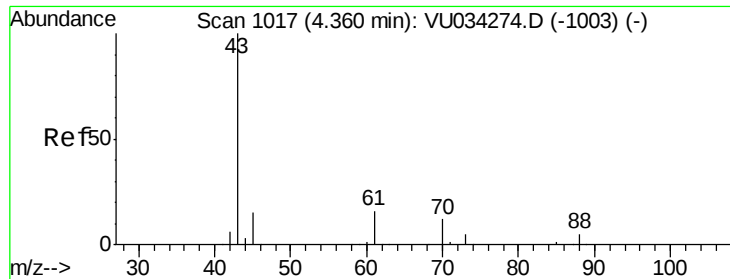


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

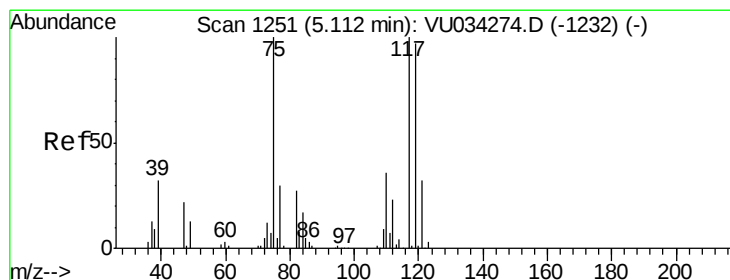
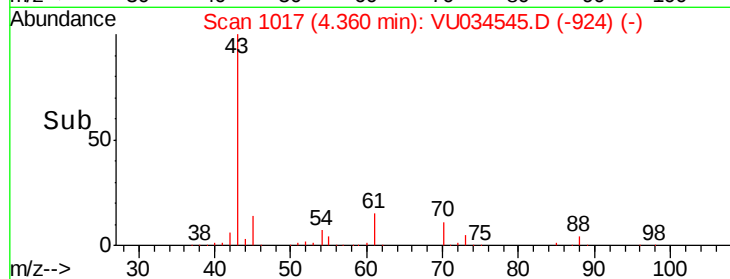
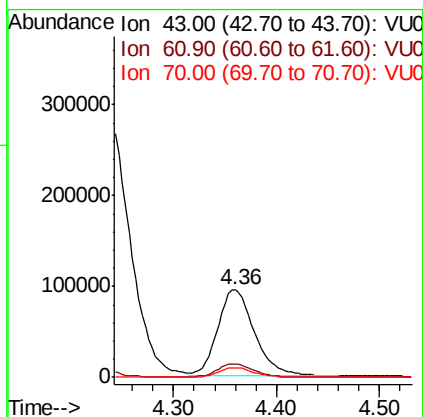
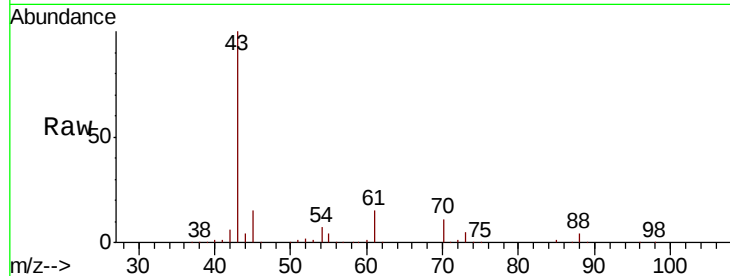




#37
Ethyl Acetate
Concen: 55.025 ug/l
RT: 4.36 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VU034545.D
Acq: 13 Sep 2019 00:58

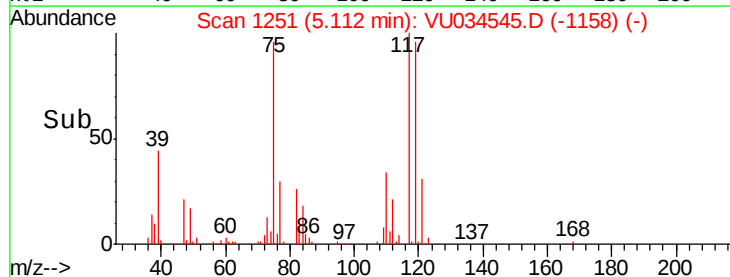
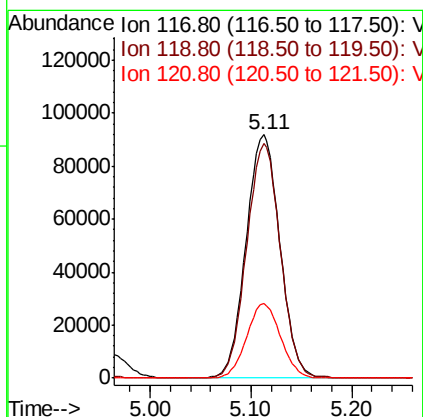
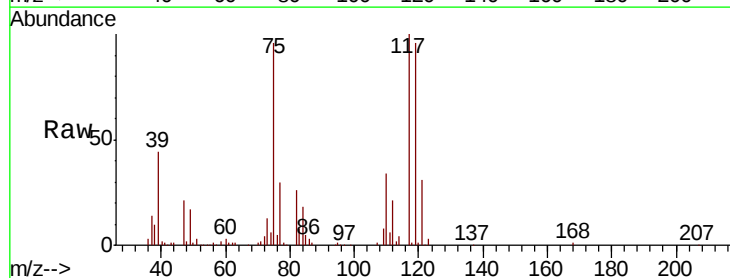
Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW09D-M27W1-090319MS

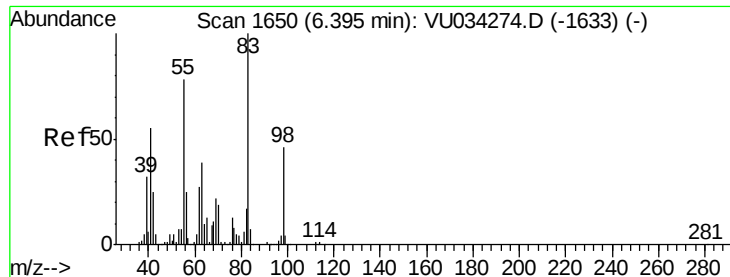
Tgt Ion: 43 Resp: 237645
Ion Ratio Lower Upper
43 100
61 14.8 12.3 18.5
70 11.2 9.1 13.7



#38
Carbon Tetrachloride
Concen: 54.757 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VU034545.D
Acq: 13 Sep 2019 00:58

Tgt Ion: 117 Resp: 213565
Ion Ratio Lower Upper
117 100
119 96.2 77.8 116.6
121 30.5 25.2 37.8

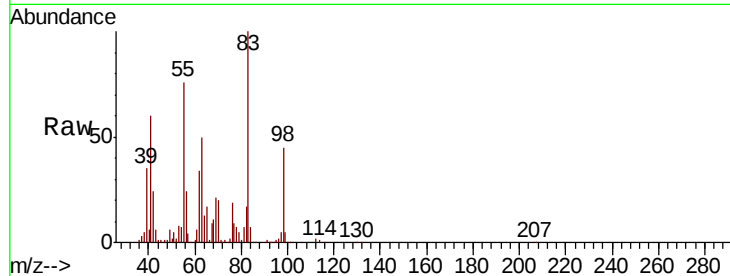




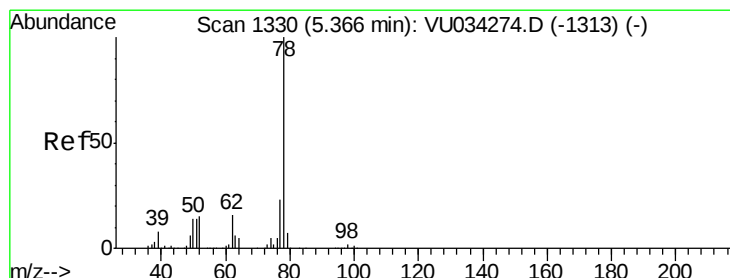
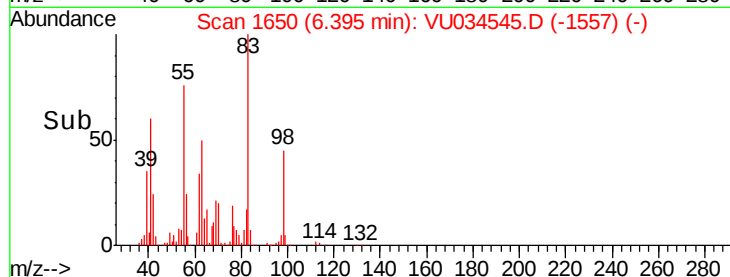
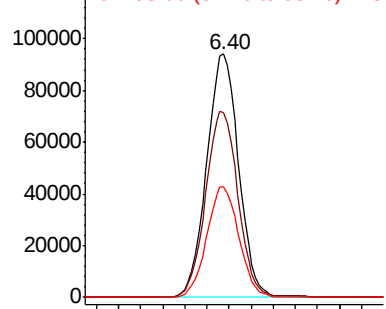
#39
Methylcyclohexane
Concen: 48.402 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VU034545.D
Acq: 13 Sep 2019 00:58

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

Tgt Ion: 83 Resp: 189005
Ion Ratio Lower Upper
83 100
55 76.0 62.1 93.1
98 45.4 37.0 55.6

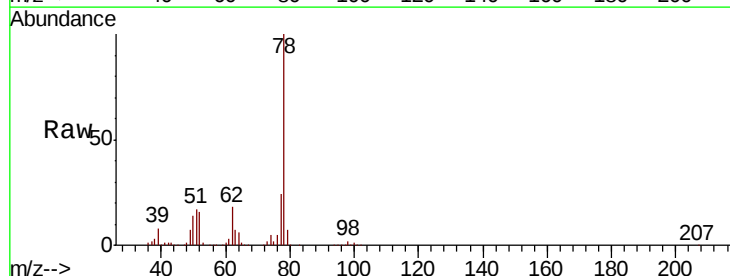


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

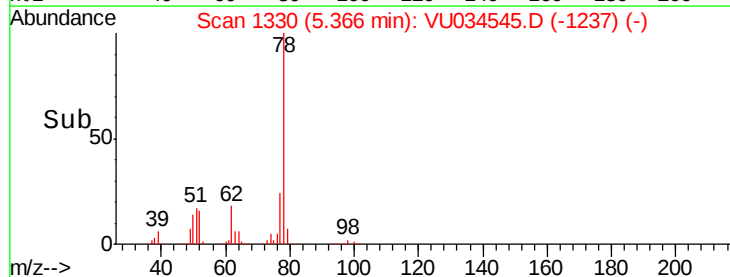
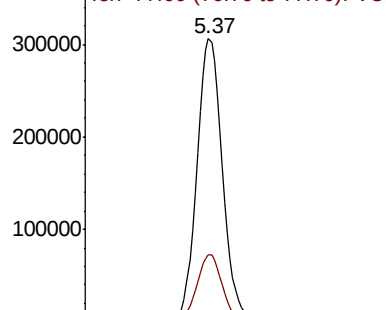


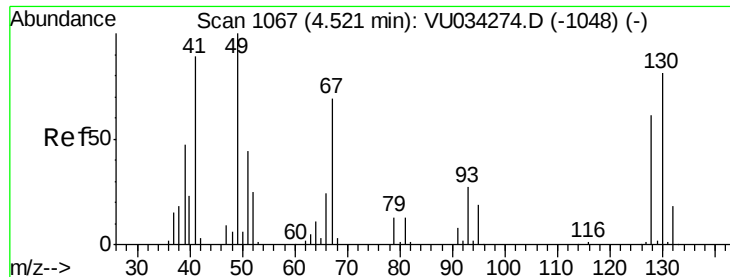
#40
Benzene
Concen: 55.234 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VU034545.D
Acq: 13 Sep 2019 00:58

Tgt Ion: 78 Resp: 651034
Ion Ratio Lower Upper
78 100
77 23.7 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

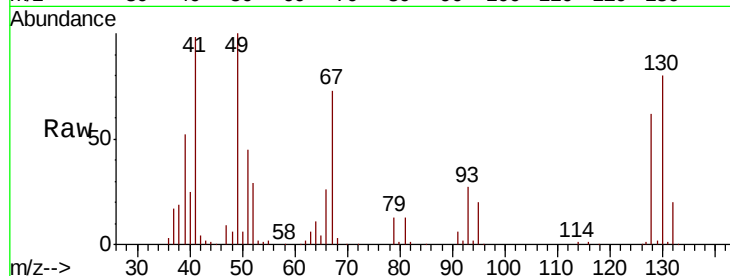




#41
Methacrylonitrile
Concen: 61.160 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VU034545.D
Acq: 13 Sep 2019 00:58

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

Tgt Ion:	41	Resp:	140697
Ion	Ratio	Lower	Upper
41	100		
39	53.3	41.0	61.4
67	79.8	62.4	93.6
52	29.9	23.6	35.4



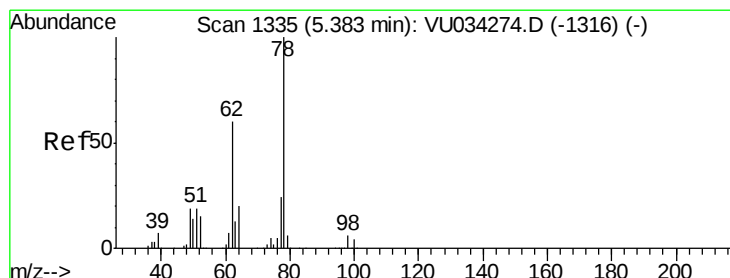
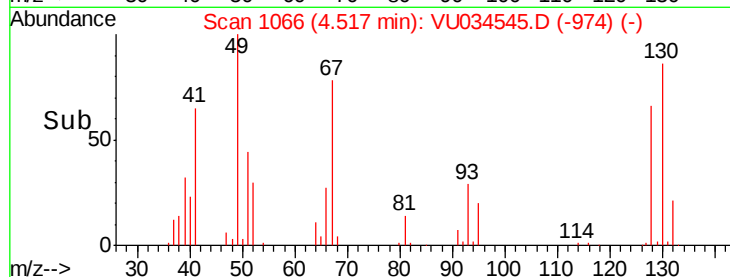
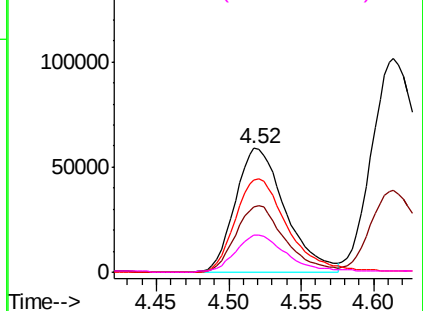
Abundance

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

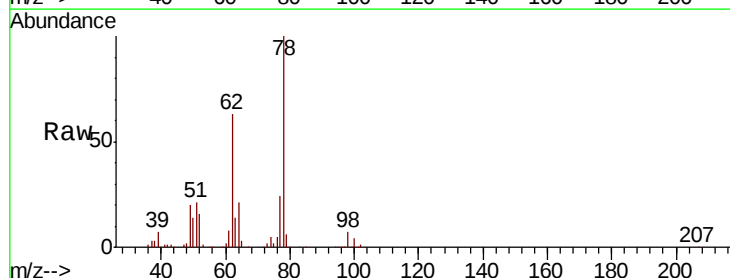
Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42
1,2-Dichloroethane
Concen: 56.130 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU034545.D
Acq: 13 Sep 2019 00:58

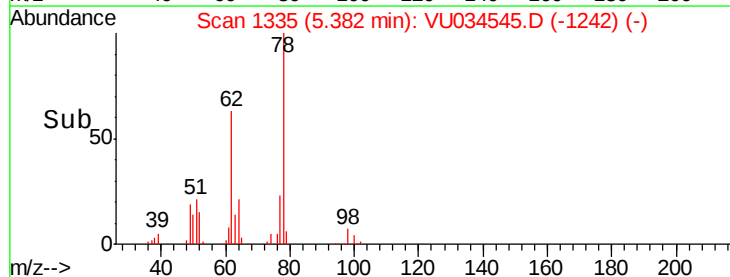
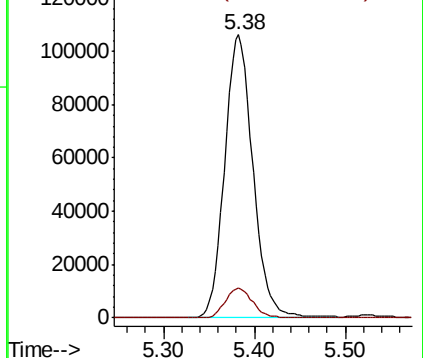
Tgt Ion:	62	Resp:	229700
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.0

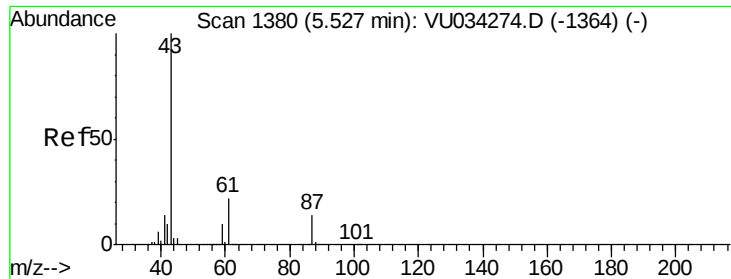


Abundance

Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 55.572 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VU034545.D

Acq: 13 Sep 2019 00:58

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

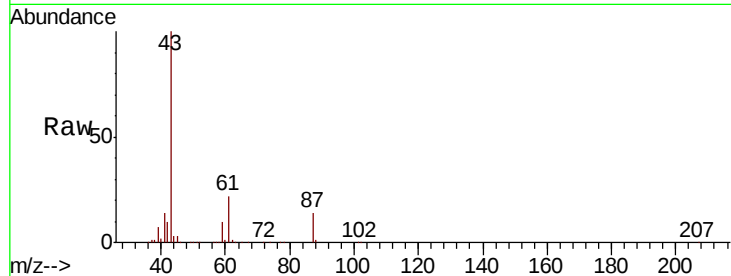
Tgt Ion: 43 Resp: 374409

Ion Ratio Lower Upper

43 100

61 21.9 17.1 25.7

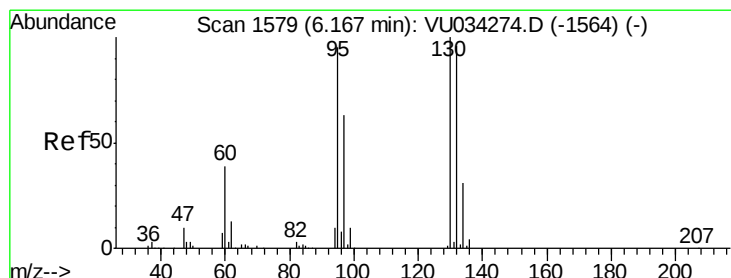
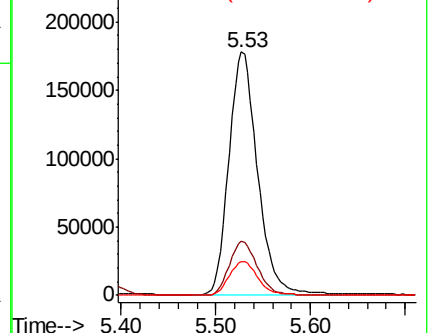
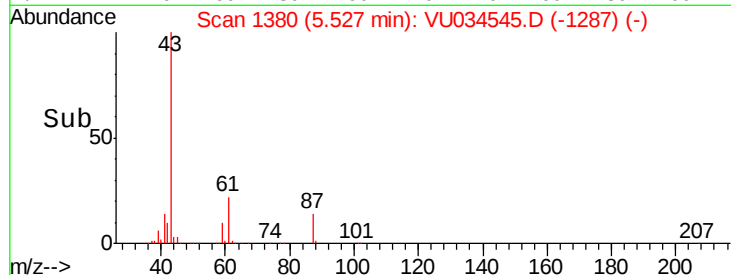
87 14.0 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VU034545.D (-1287) (-)

Ion 61.00 (60.70 to 61.70): VU034545.D (-1287) (-)

Ion 87.00 (86.70 to 87.70): VU034545.D (-1287) (-)



#44

Trichloroethene

Concen: 54.653 ug/l

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU034545.D

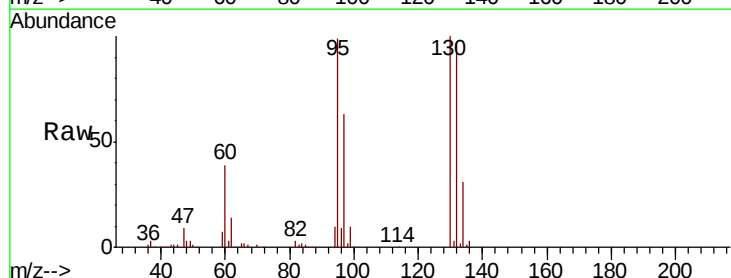
Acq: 13 Sep 2019 00:58

Tgt Ion: 130 Resp: 178261

Ion Ratio Lower Upper

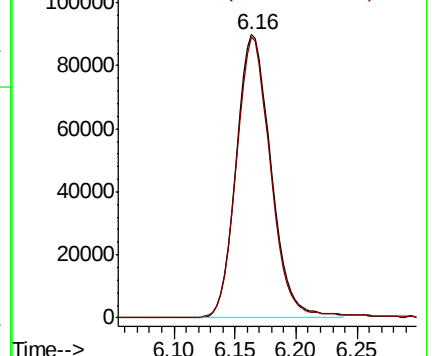
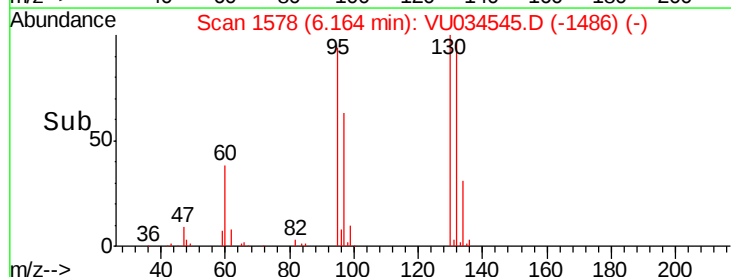
130 100

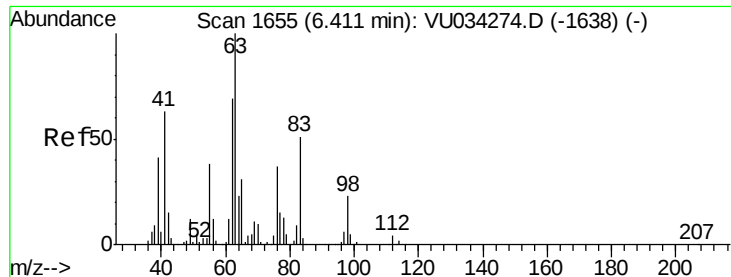
95 99.2 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): VU034545.D (-1486) (-)

Ion 94.90 (94.60 to 95.60): VU034545.D (-1486) (-)





#45

1,2-Dichloropropane

Concen: 56.165 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU034545.D

Acq: 13 Sep 2019 00:58

Instrument :

MSVOA_U

ClientSampleId :

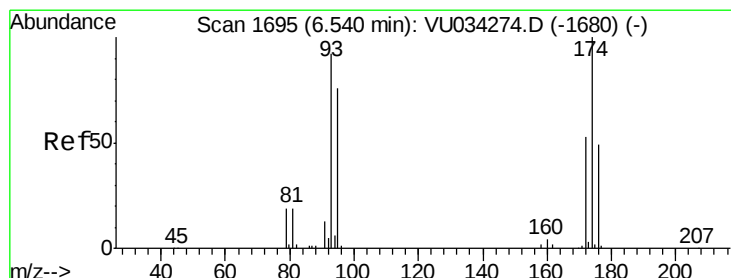
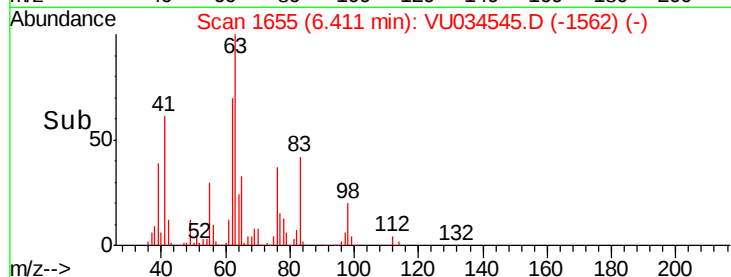
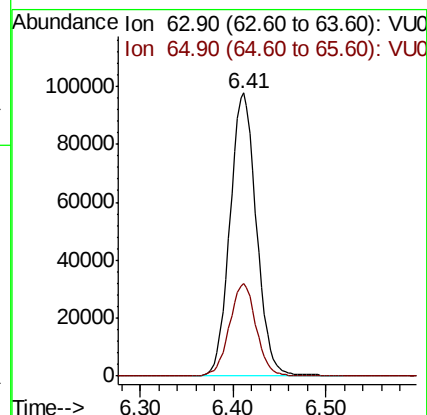
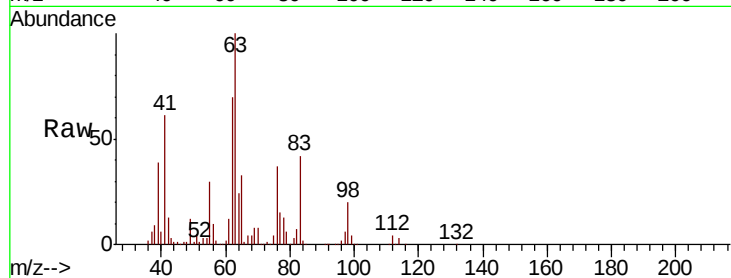
CPA-CPMW09D-M27W1-090319MS

Tgt Ion: 63 Resp: 193534

Ion Ratio Lower Upper

63 100

65 32.6 24.6 37.0



#46

Dibromomethane

Concen: 56.721 ug/l

RT: 6.54 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VU034545.D

Acq: 13 Sep 2019 00:58

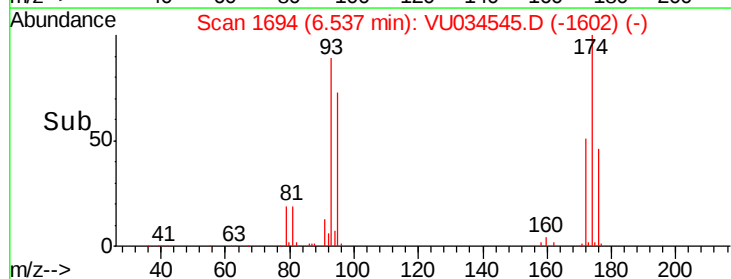
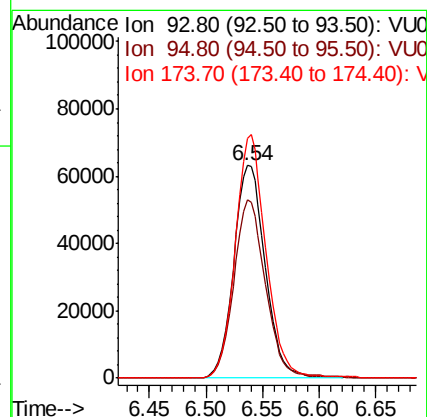
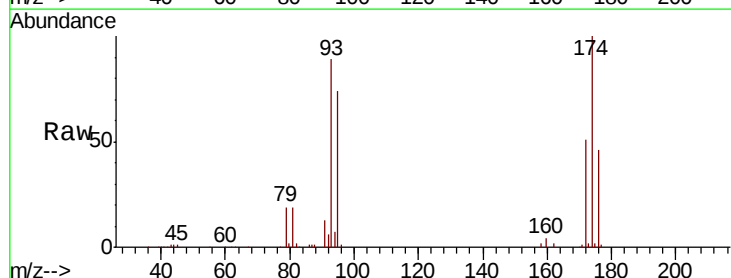
Tgt Ion: 93 Resp: 122684

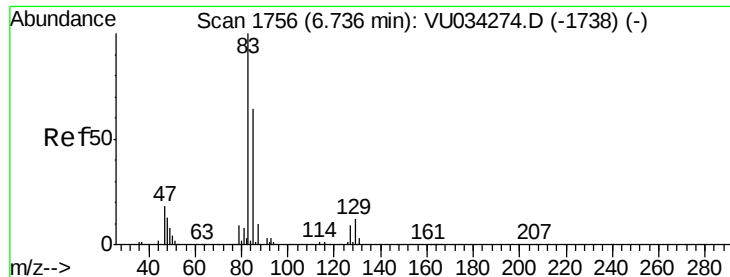
Ion Ratio Lower Upper

93 100

95 84.4 66.5 99.7

174 111.9 87.8 131.6





#47

Bromodichloromethane

Concen: 56.327 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VU034545.D

Acq: 13 Sep 2019 00:58

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

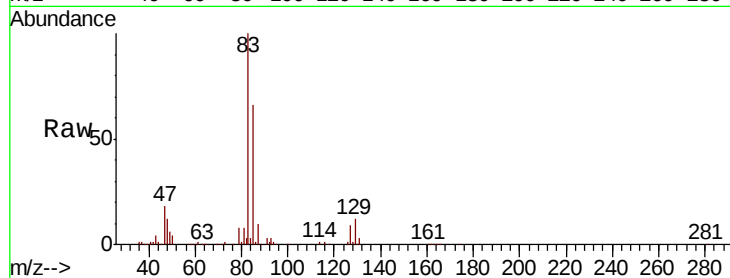
Tgt Ion: 83 Resp: 250780

Ion Ratio Lower Upper

83 100

85 65.6 51.1 76.7

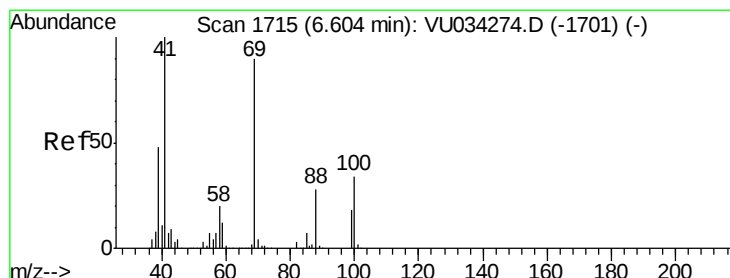
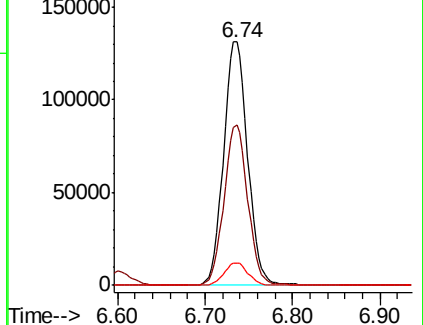
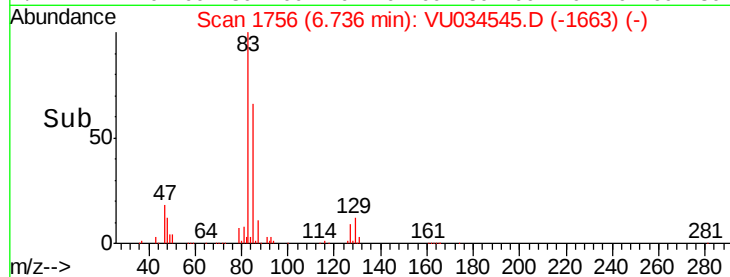
127 9.3 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VU034545.D (-1663) (-)

Ion 84.90 (84.60 to 85.60): VU034545.D (-1663) (-)

Ion 126.80 (126.50 to 127.50): VU034545.D (-1663) (-)



#48

Methyl methacrylate

Concen: 57.098 ug/l

RT: 6.60 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VU034545.D

Acq: 13 Sep 2019 00:58

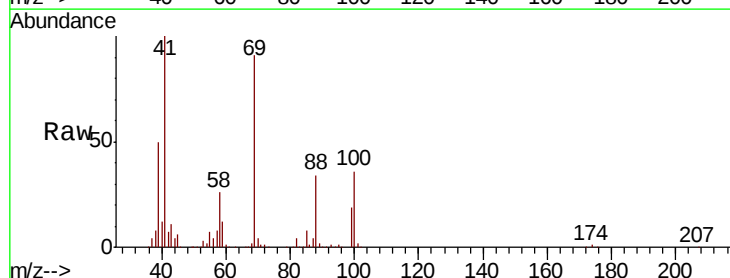
Tgt Ion: 41 Resp: 182710

Ion Ratio Lower Upper

41 100

69 92.5 72.8 109.2

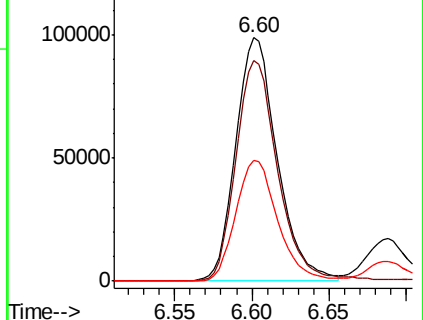
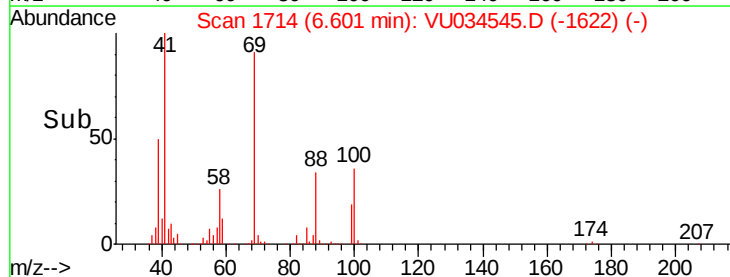
39 49.9 38.6 58.0

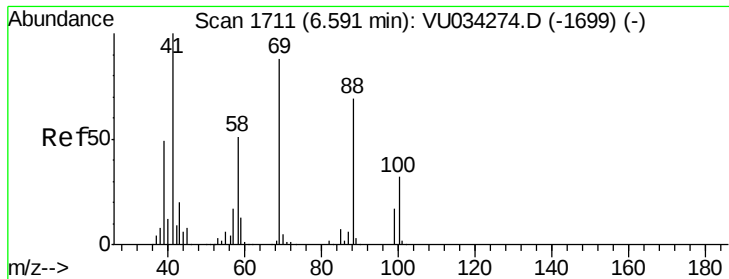


Abundance Ion 41.00 (40.70 to 41.70): VU034545.D (-1622) (-)

Ion 69.00 (68.70 to 69.70): VU034545.D (-1622) (-)

Ion 39.00 (38.70 to 39.70): VU034545.D (-1622) (-)

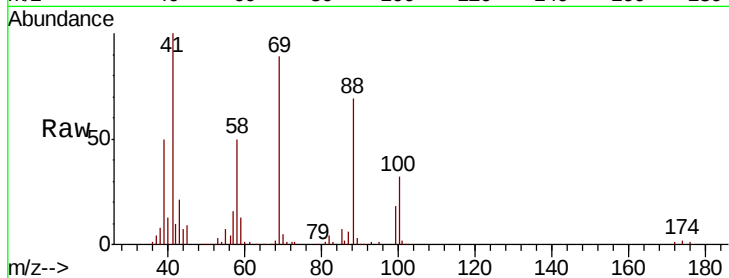




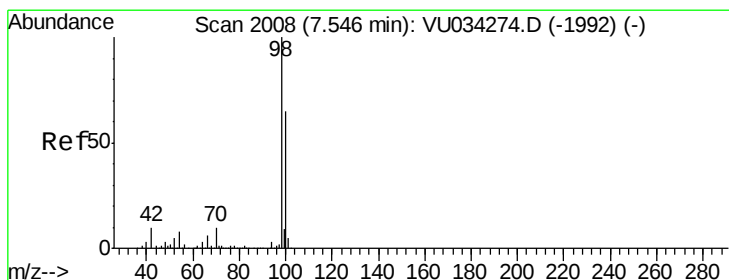
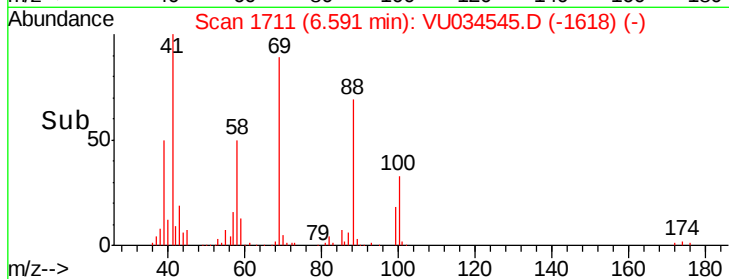
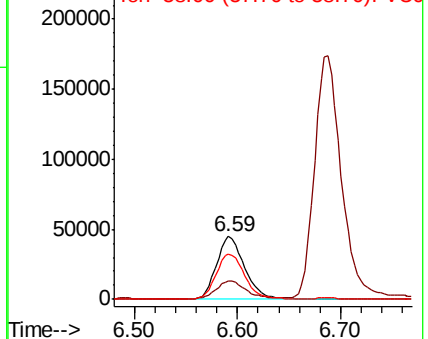
#49
1,4-Dioxane
Concen: 1211.120 ug/l
RT: 6.59 min Scan# 1711
Delta R.T. -0.00 min
Lab File: VU034545.D
Acq: 13 Sep 2019 00:58

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

Tgt Ion: 88 Resp: 84628
Ion Ratio Lower Upper
88 100
43 29.1 23.8 35.6
58 74.5 58.4 87.6

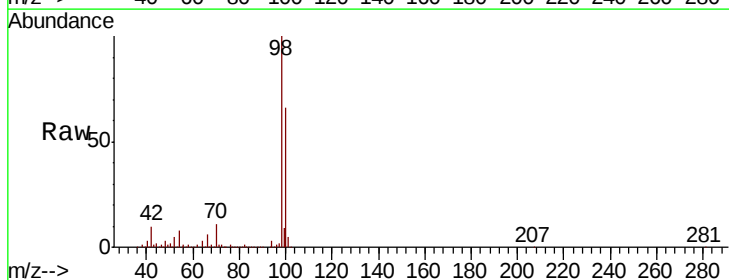


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

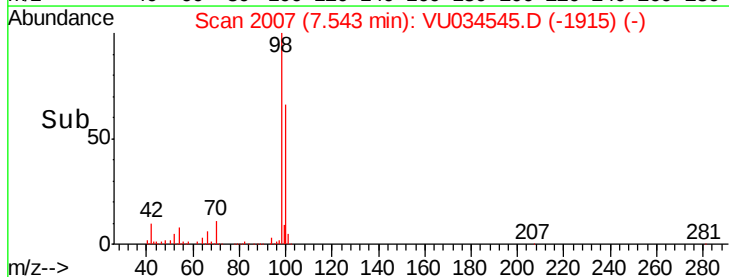
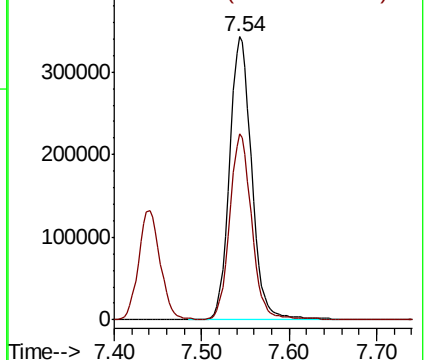


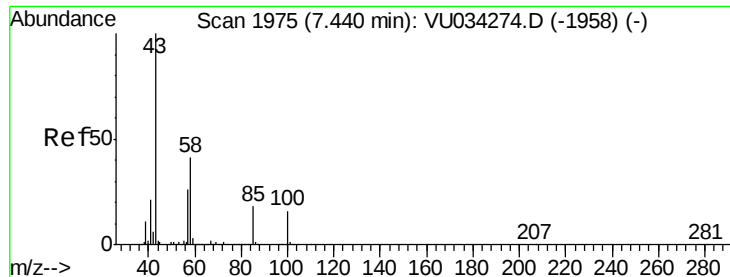
#50
Toluene-d8
Concen: 51.235 ug/l
RT: 7.54 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VU034545.D
Acq: 13 Sep 2019 00:58

Tgt Ion: 98 Resp: 603286
Ion Ratio Lower Upper
98 100
100 64.9 51.7 77.5



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

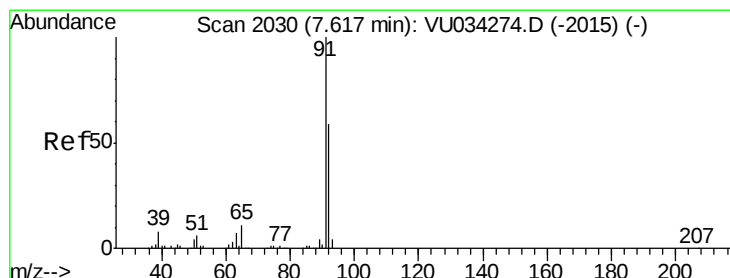
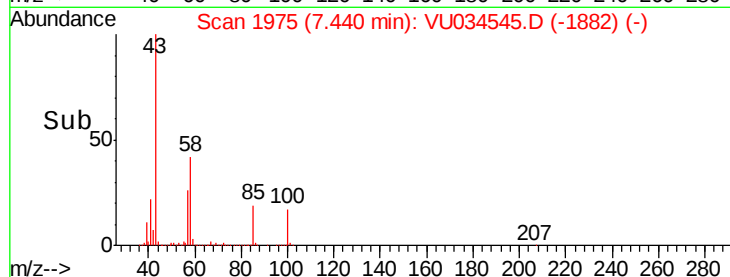
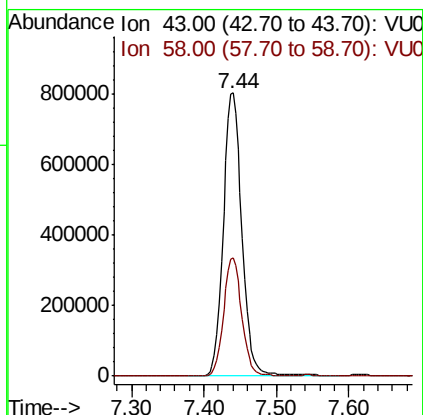
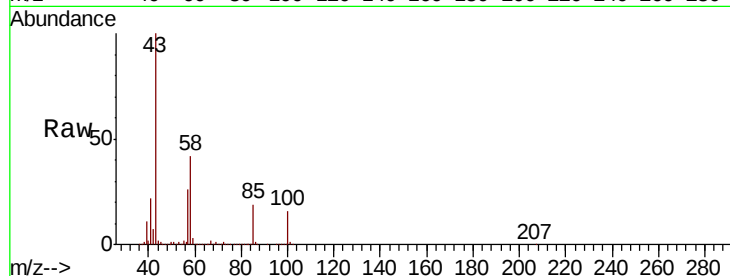




#51
 4-Methyl-2-Pentanone
 Concen: 304.966 ug/l
 RT: 7.44 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: VU034545.D
 Acq: 13 Sep 2019 00:58

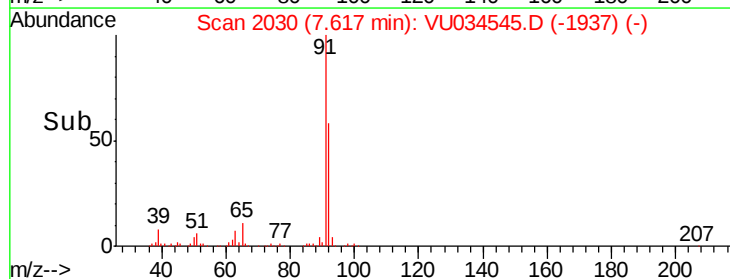
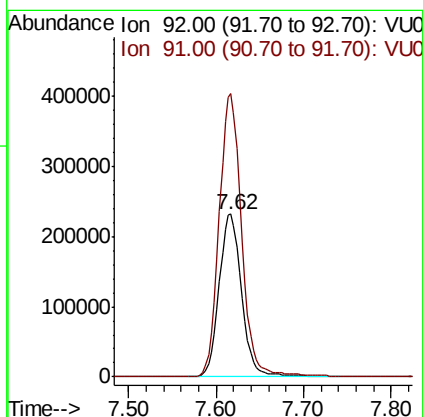
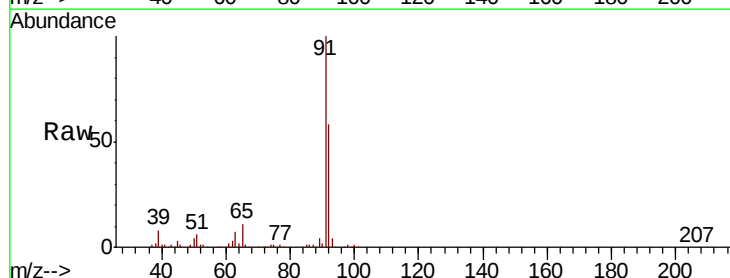
Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW09D-M27W1-090319MS

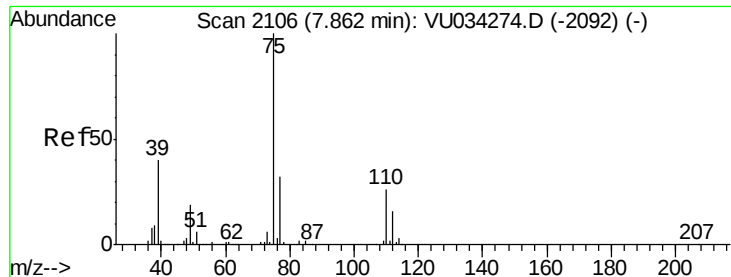
Tgt Ion: 43 Resp: 1422235
 Ion Ratio Lower Upper
 43 100
 58 41.0 33.0 49.4



#52
 Toluene
 Concen: 56.294 ug/l
 RT: 7.62 min Scan# 2030
 Delta R.T. -0.00 min
 Lab File: VU034545.D
 Acq: 13 Sep 2019 00:58

Tgt Ion: 92 Resp: 416232
 Ion Ratio Lower Upper
 92 100
 91 173.3 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 54.231 ug/l

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU034545.D

Acq: 13 Sep 2019 00:58

Instrument :

MSVOA_U

ClientSampleId :

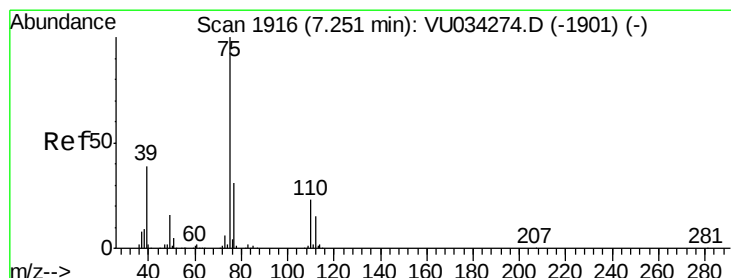
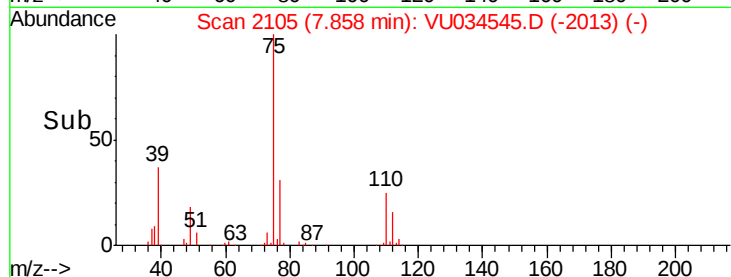
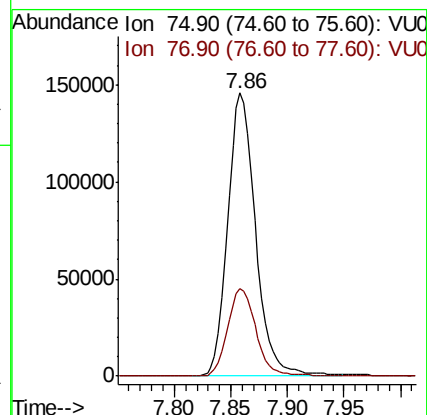
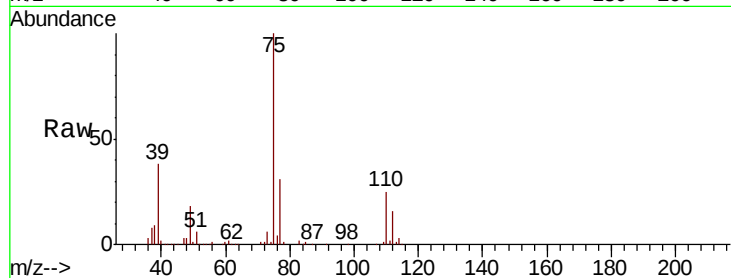
CPA-CPMW09D-M27W1-090319MS

Tgt Ion: 75 Resp: 250293

Ion Ratio Lower Upper

75 100

77 31.0 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 52.965 ug/l

RT: 7.25 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VU034545.D

Acq: 13 Sep 2019 00:58

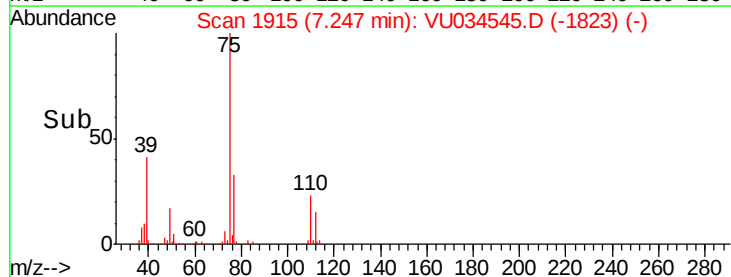
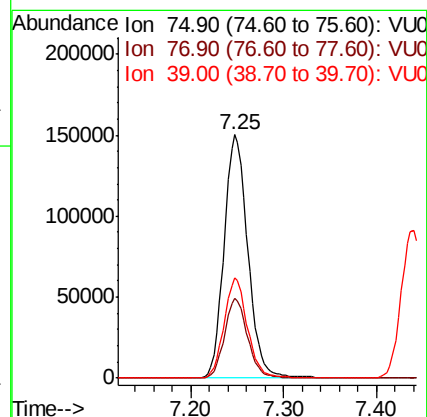
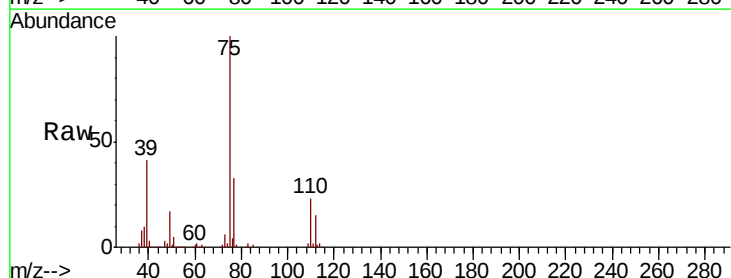
Tgt Ion: 75 Resp: 268288

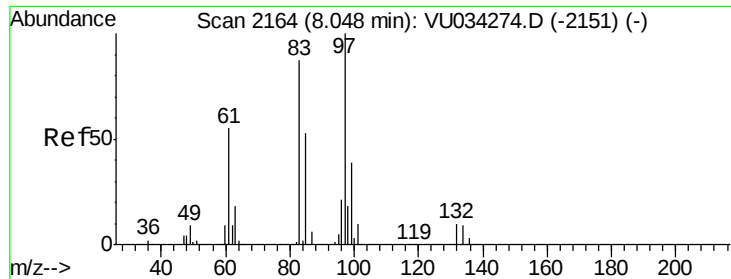
Ion Ratio Lower Upper

75 100

77 32.7 25.1 37.7

39 41.1 31.2 46.8

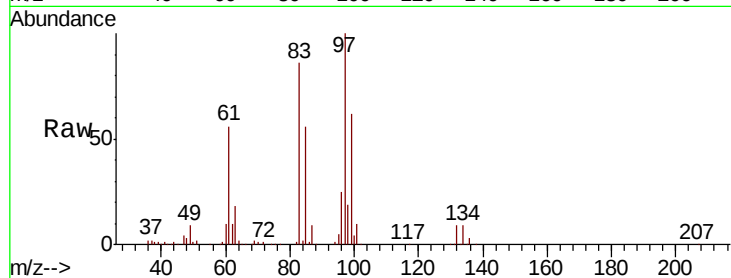




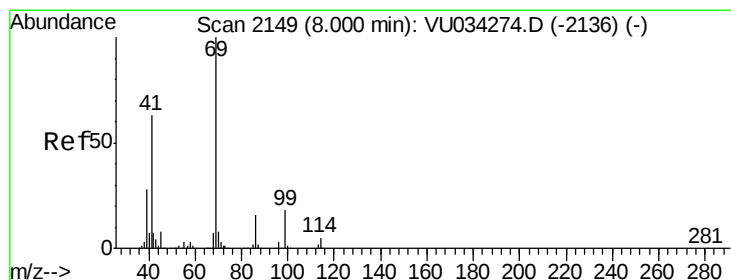
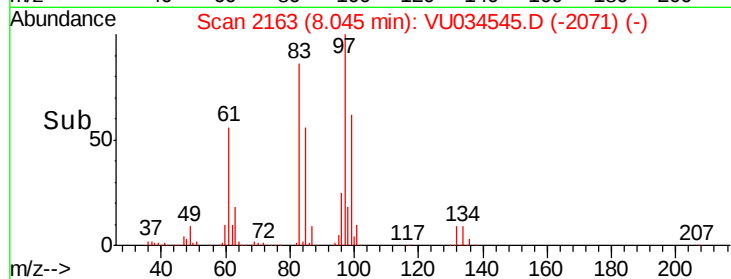
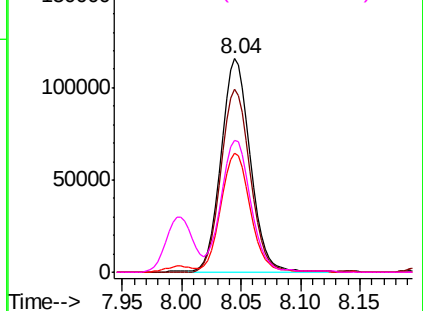
#55
 1,1,2-Trichloroethane
 Concen: 57.989 ug/l
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VU034545.D
 Acq: 13 Sep 2019 00:58

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

Tgt Ion:	97	Resp:	194692
Ion	Ratio	Lower	Upper
97	100		
83	85.8	69.0	103.6
85	55.8	44.2	66.2
99	61.8	49.4	74.0

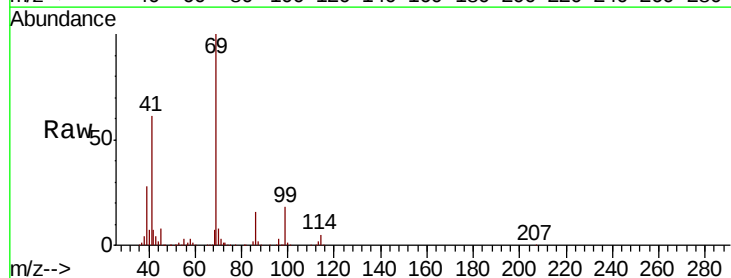


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

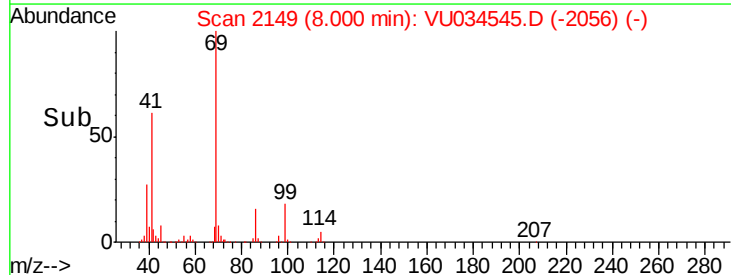
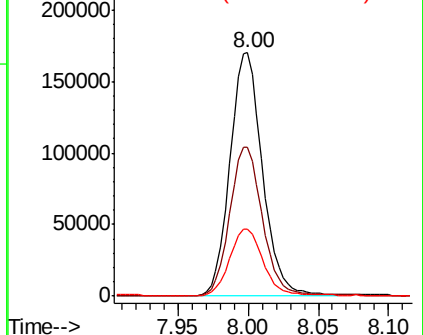


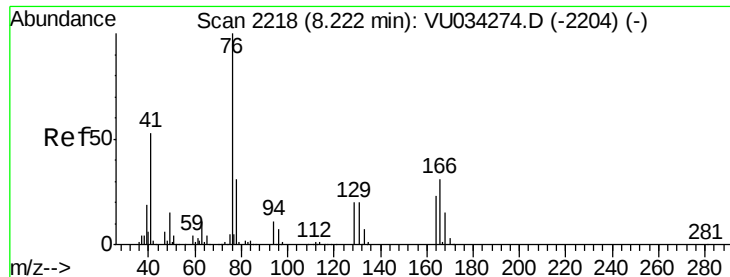
#56
 Ethyl methacrylate
 Concen: 53.721 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU034545.D
 Acq: 13 Sep 2019 00:58

Tgt Ion:	69	Resp:	275270
Ion	Ratio	Lower	Upper
69	100		
41	61.9	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: 57.482 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU034545.D

Acq: 13 Sep 2019 00:58

Instrument :

MSVOA_U

ClientSampleId :

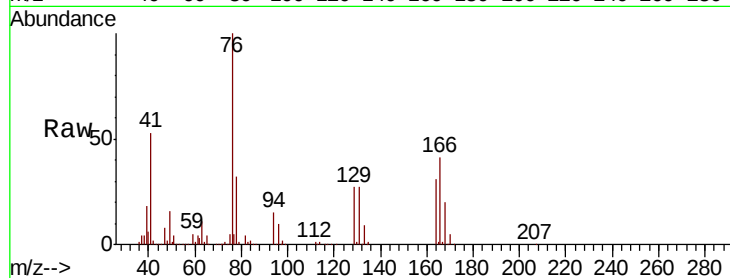
CPA-CPMW09D-M27W1-090319MS

Tgt Ion: 76 Resp: 314258

Ion Ratio Lower Upper

76 100

78 32.0 25.4 38.2



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

8.22

200000

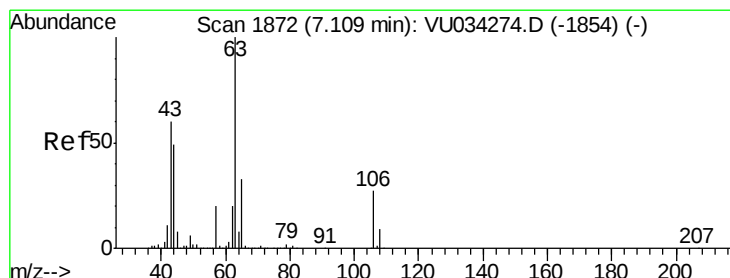
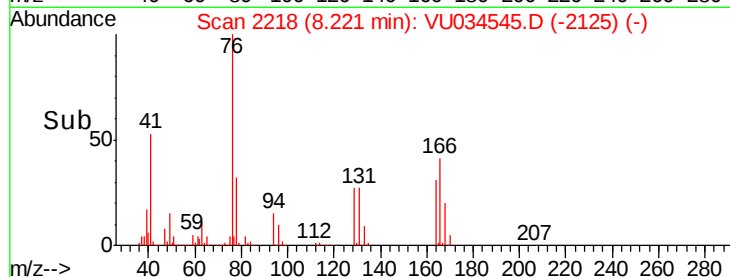
150000

100000

50000

0

Time--> 8.10 8.20 8.30 8.40



#58

2-Chloroethyl Vinyl ether

Concen: 17.578 ug/l

RT: 7.09 min Scan# 1866

Delta R.T. -0.02 min

Lab File: VU034545.D

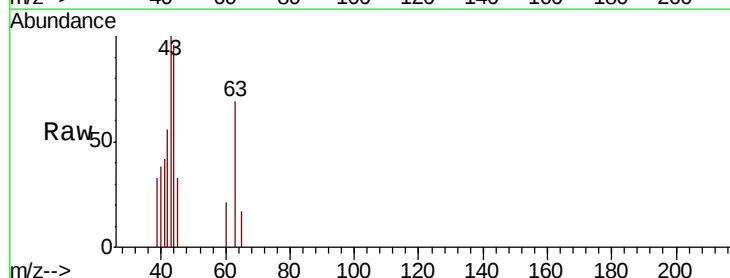
Acq: 13 Sep 2019 00:58

Tgt Ion: 63 Resp: 1778

Ion Ratio Lower Upper

63 100

106 0.0 21.6 32.4#



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

7.09

500

400

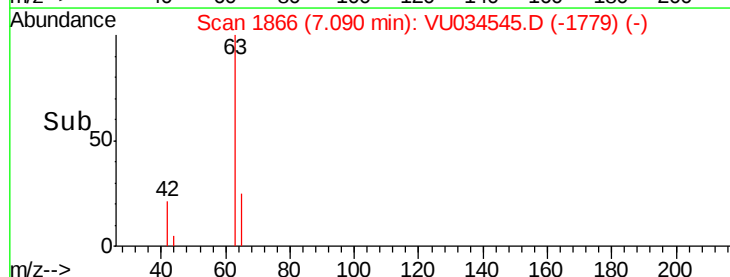
300

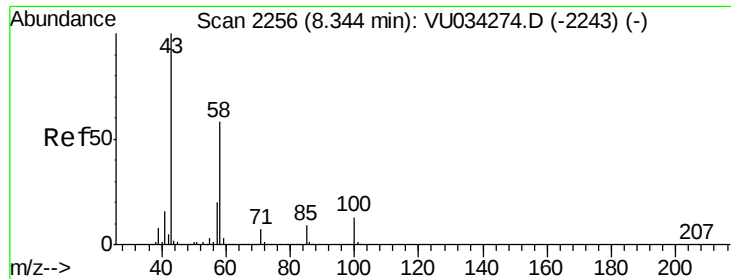
200

100

0

Time--> 7.00 7.05 7.10 7.15

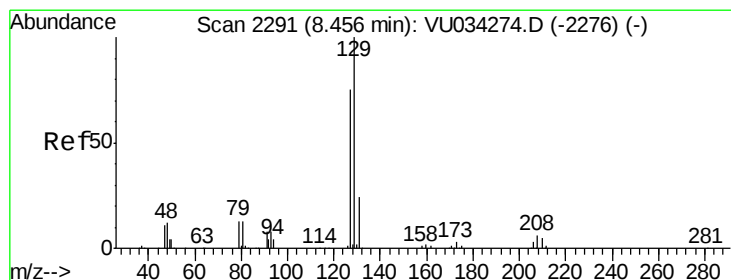
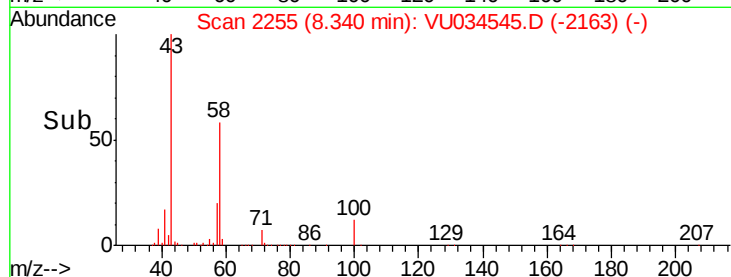
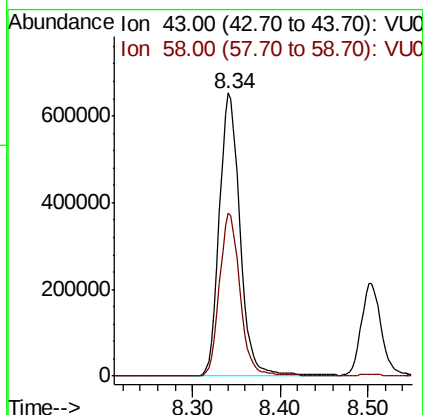
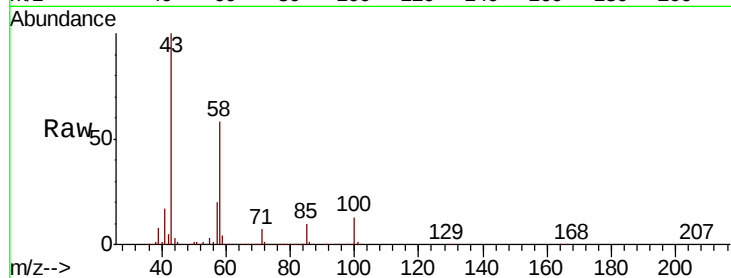




#59
2-Hexanone
Concen: 308.521 ug/l
RT: 8.34 min Scan# 2255
Delta R.T. -0.00 min
Lab File: VU034545.D
Acq: 13 Sep 2019 00:58

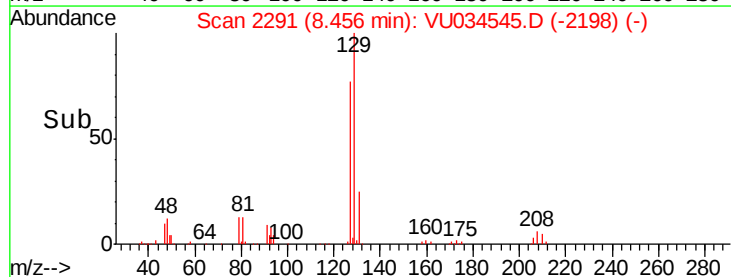
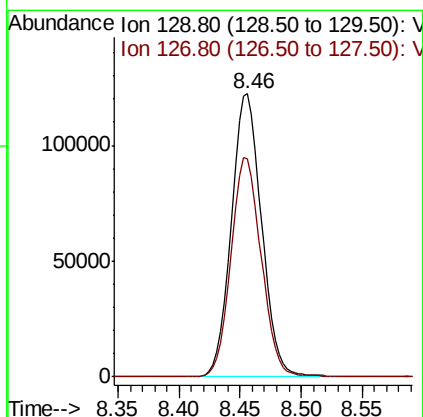
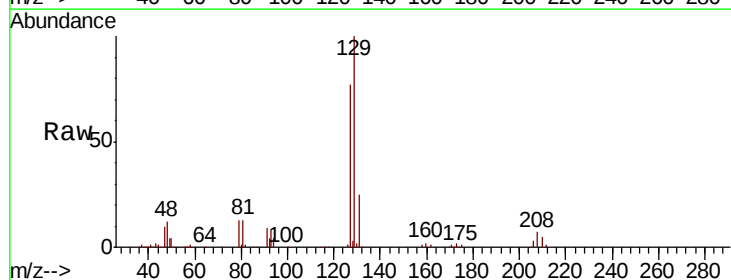
Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW09D-M27W1-090319MS

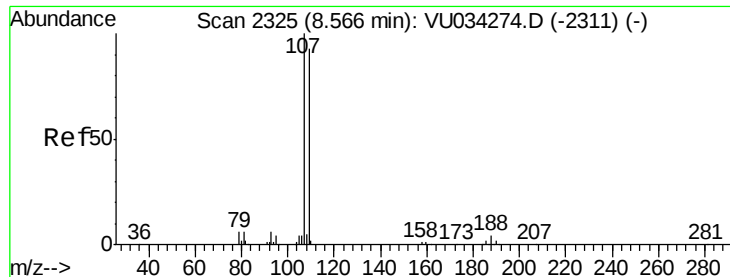
Tgt Ion: 43 Resp: 1074869
Ion Ratio Lower Upper
43 100
58 57.5 28.8 86.5



#60
Dibromochloromethane
Concen: 58.545 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU034545.D
Acq: 13 Sep 2019 00:58

Tgt Ion: 129 Resp: 210830
Ion Ratio Lower Upper
129 100
127 77.9 37.9 113.7





#61

1,2-Dibromoethane

Concen: 57.626 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. -0.00 min

Lab File: VU034545.D

Acq: 13 Sep 2019 00:58

Instrument :

MSVOA_U

ClientSampleId :

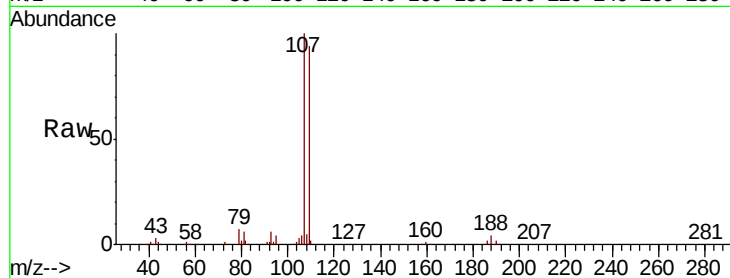
CPA-CPMW09D-M27W1-090319MS

Tgt Ion: 107 Resp: 189367

Ion Ratio Lower Upper

107 100

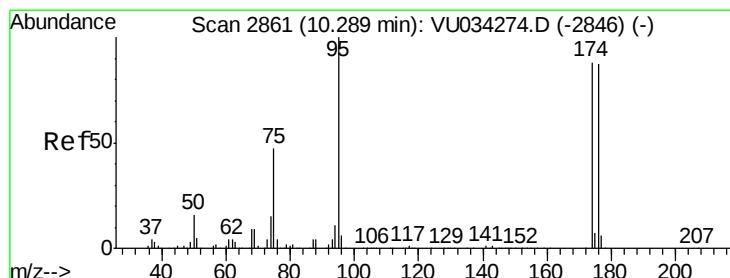
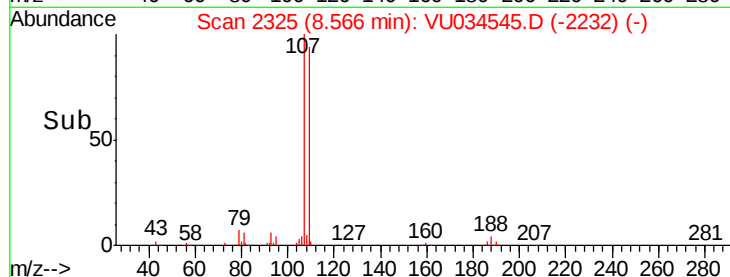
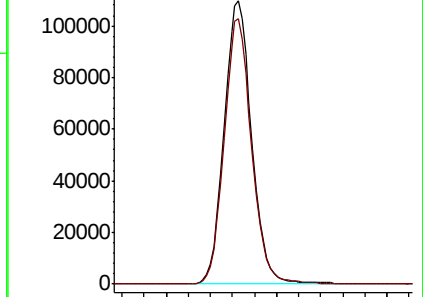
109 93.7 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.57



#62

4-Bromofluorobenzene

Concen: 51.468 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034545.D

Acq: 13 Sep 2019 00:58

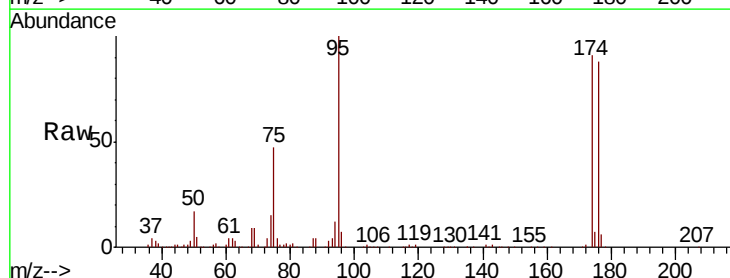
Tgt Ion: 95 Resp: 233986

Ion Ratio Lower Upper

95 100

174 88.6 0.0 175.2

176 85.9 0.0 168.0

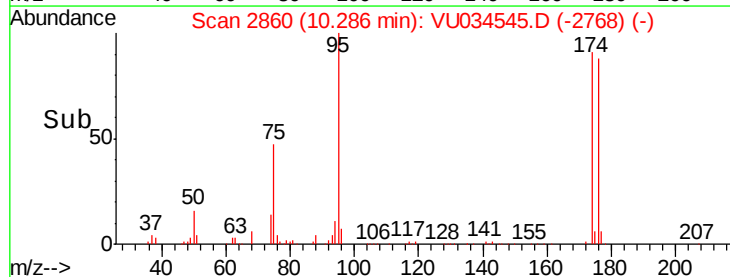
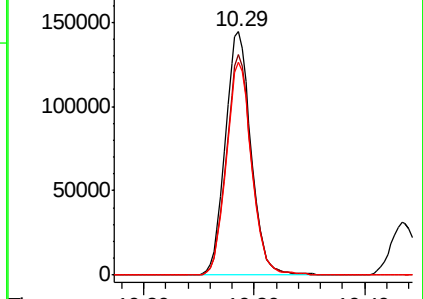


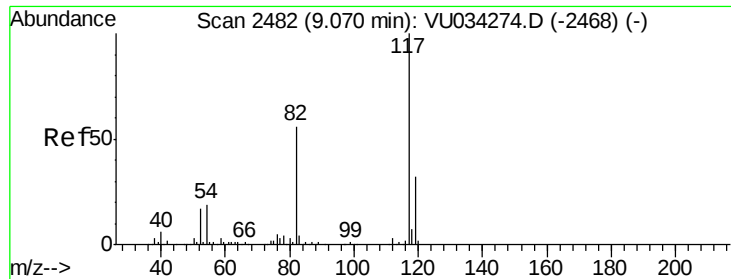
Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.29

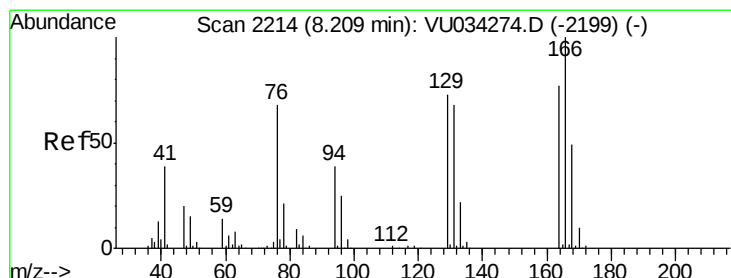
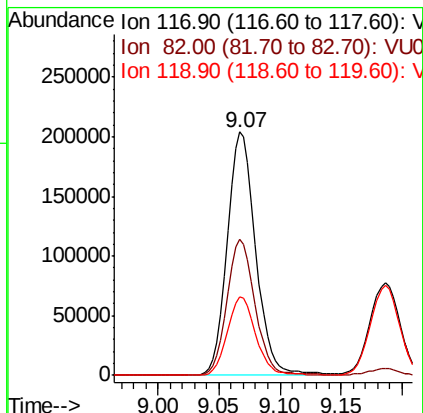
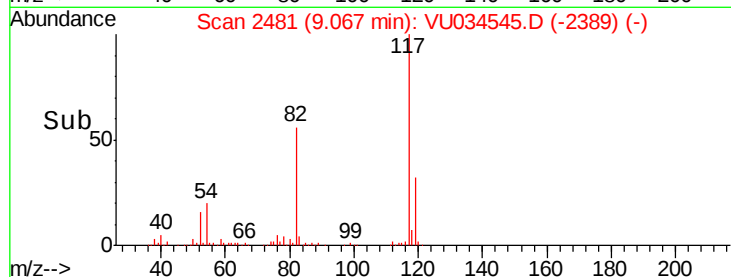
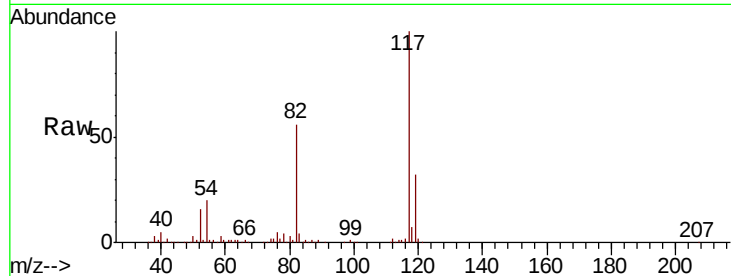




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2481
Delta R.T. -0.00 min
Lab File: VU034545.D
Acq: 13 Sep 2019 00:58

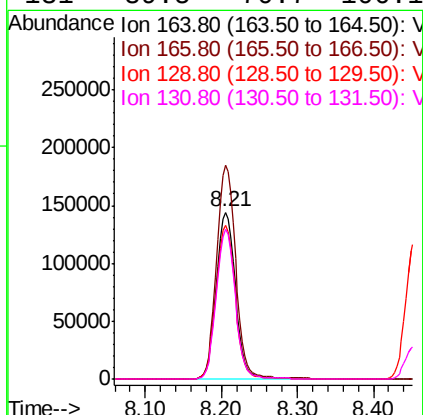
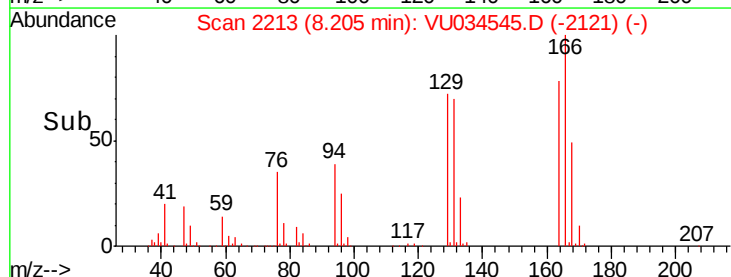
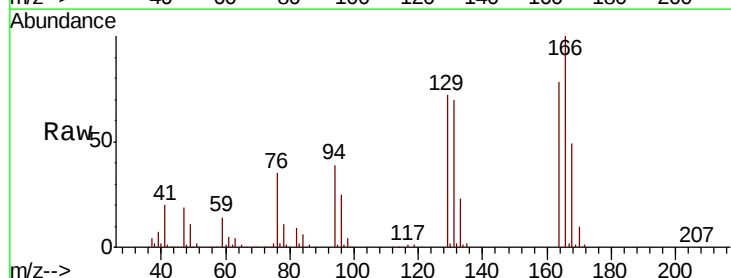
Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW09D-M27W1-090319MS

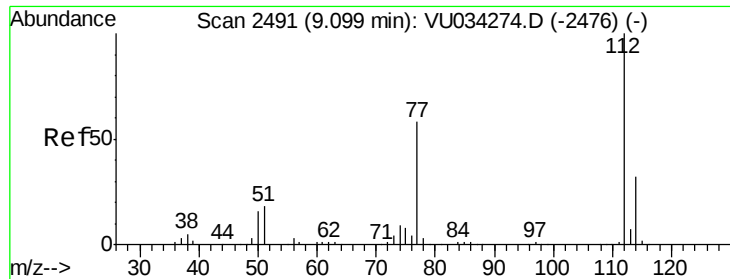
Tgt Ion:117 Resp: 333882
Ion Ratio Lower Upper
117 100
82 55.8 44.6 67.0
119 32.1 25.9 38.9



#64
Tetrachloroethene
Concen: 87.439 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034545.D
Acq: 13 Sep 2019 00:58

Tgt Ion:164 Resp: 253278
Ion Ratio Lower Upper
164 100
166 128.2 103.7 155.5
129 92.0 75.8 113.8
131 89.5 70.7 106.1

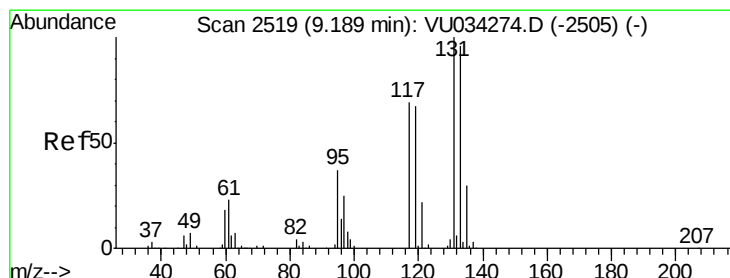
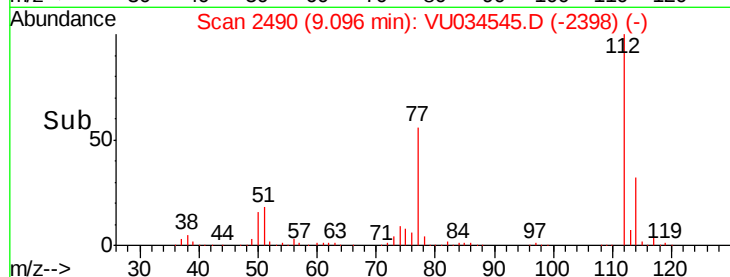
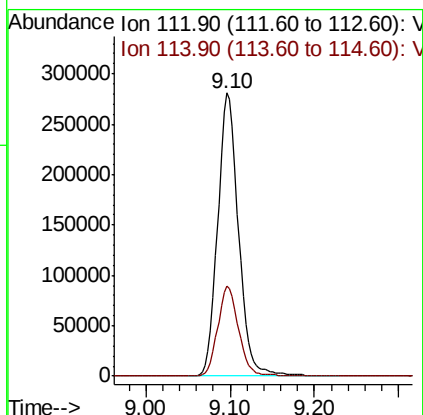
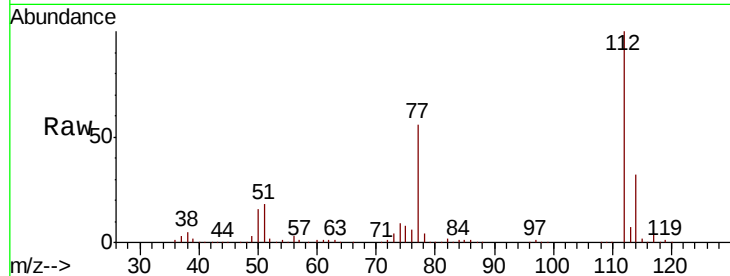




#65
Chlorobenzene
Concen: 57.096 ug/l
RT: 9.10 min Scan# 2490
Delta R.T. -0.00 min
Lab File: VU034545.D
Acq: 13 Sep 2019 00:58

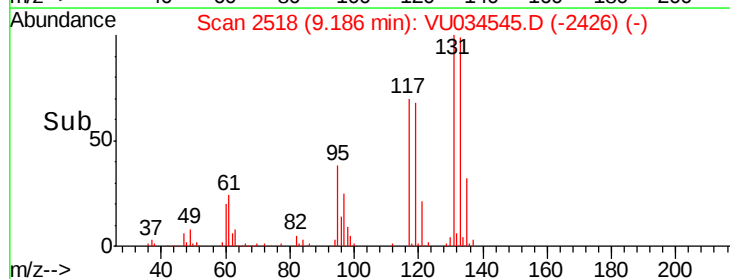
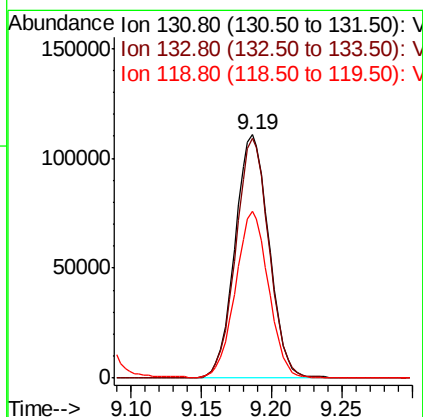
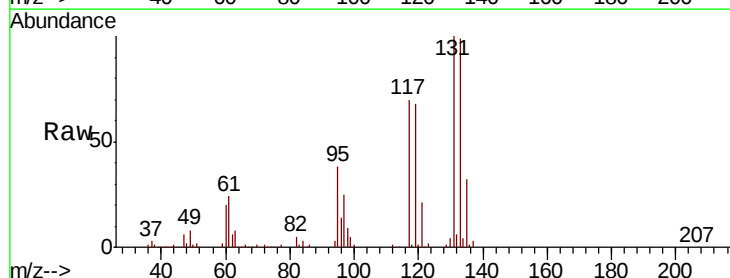
Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW09D-M27W1-090319MS

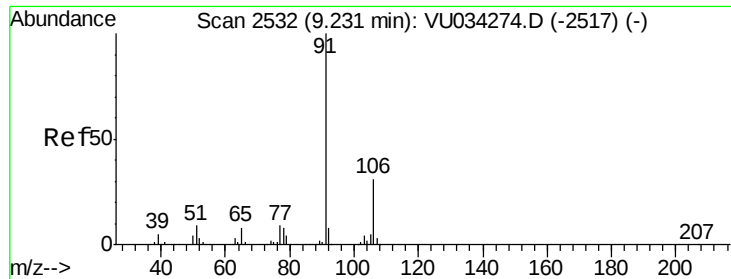
Tgt Ion:112 Resp: 483645
Ion Ratio Lower Upper
112 100
114 31.6 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 57.984 ug/l
RT: 9.19 min Scan# 2518
Delta R.T. -0.00 min
Lab File: VU034545.D
Acq: 13 Sep 2019 00:58

Tgt Ion:131 Resp: 187446
Ion Ratio Lower Upper
131 100
133 96.4 47.9 143.7
119 66.5 33.1 99.5





#67

Ethyl Benzene

Concen: 57.608 ug/l

RT: 9.23 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU034545.D

Acq: 13 Sep 2019 00:58

Instrument :

MSVOA_U

ClientSampleId :

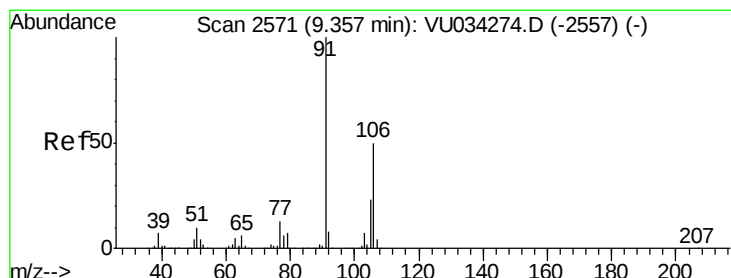
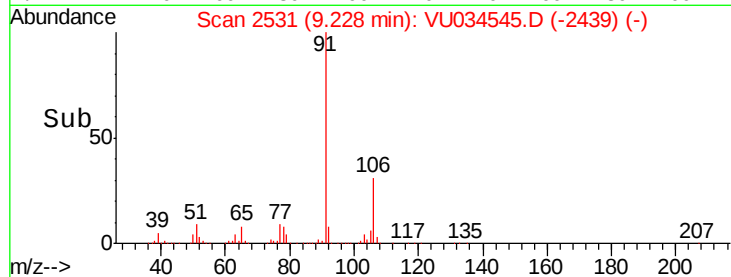
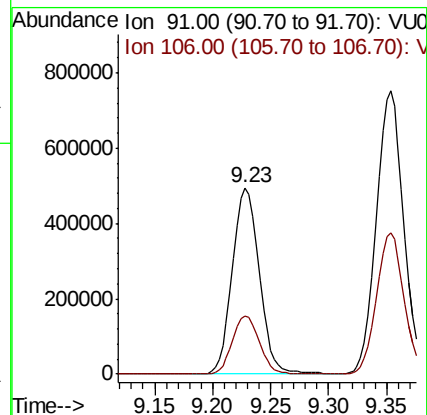
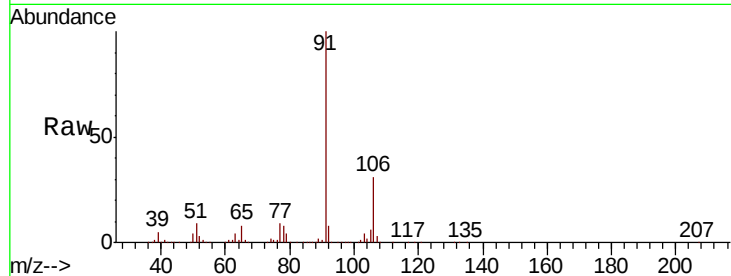
CPA-CPMW09D-M27W1-090319MS

Tgt Ion: 91 Resp: 797875

Ion Ratio Lower Upper

91 100

106 31.4 24.8 37.2



#68

m/p-Xylenes

Concen: 119.914 ug/l

RT: 9.35 min Scan# 2570

Delta R.T. -0.00 min

Lab File: VU034545.D

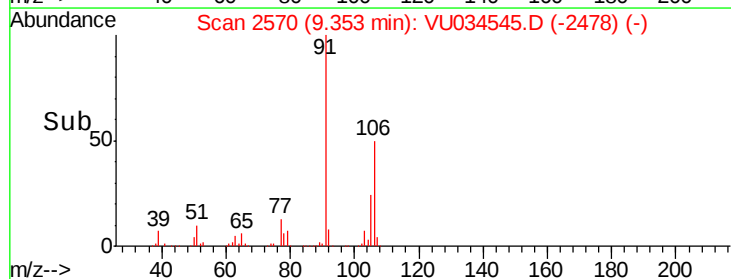
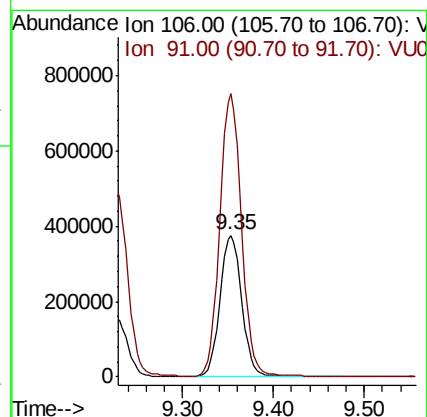
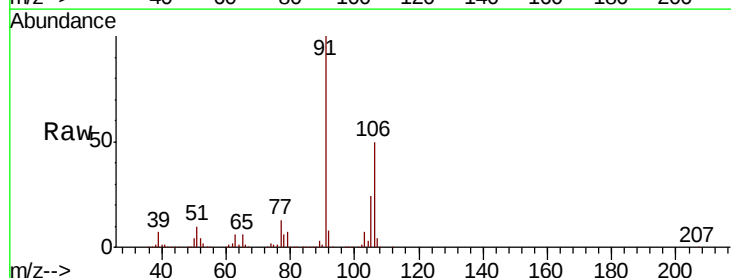
Acq: 13 Sep 2019 00:58

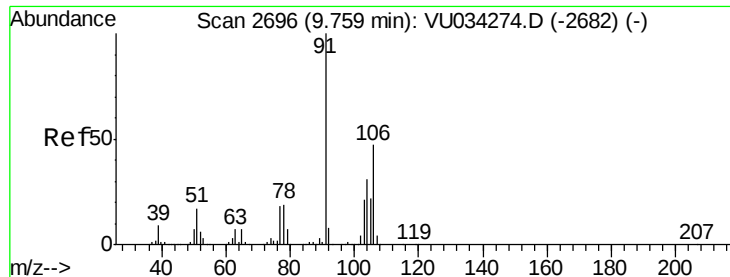
Tgt Ion: 106 Resp: 625403

Ion Ratio Lower Upper

106 100

91 200.1 160.1 240.1

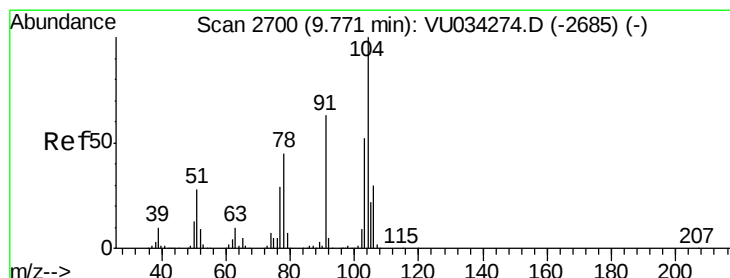
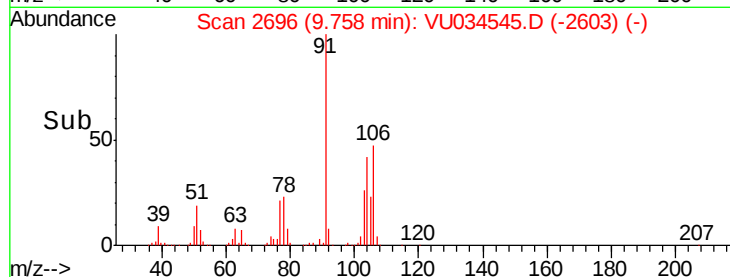
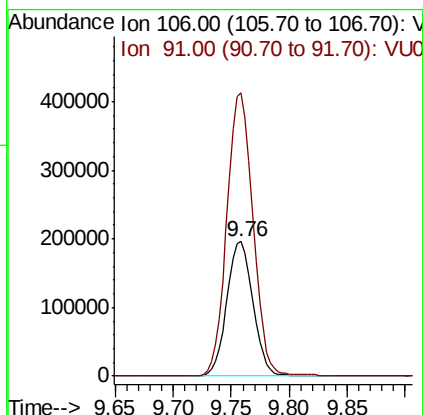
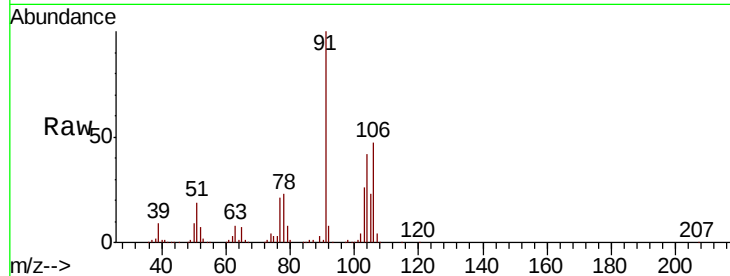




#69
o-Xylene
Concen: 60.088 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU034545.D
Acq: 13 Sep 2019 00:58

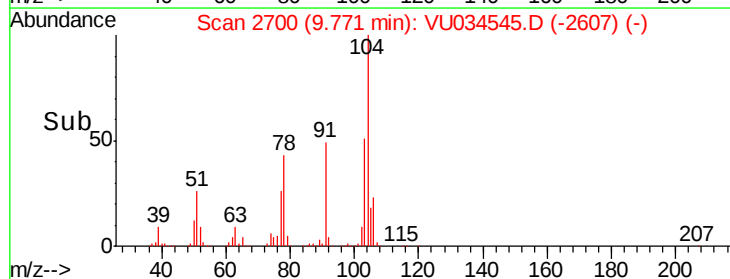
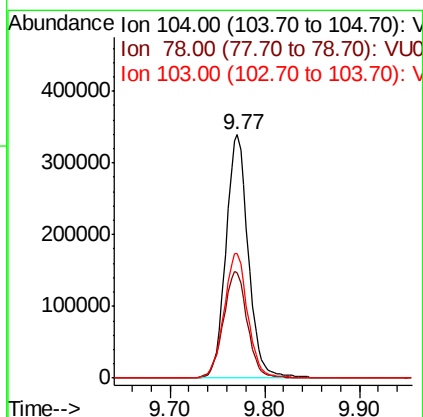
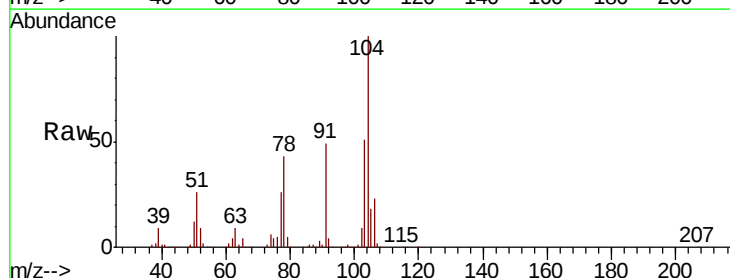
Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW09D-M27W1-090319MS

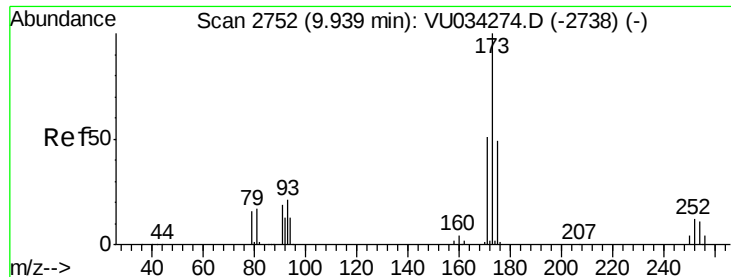
Tgt Ion:106 Resp: 306477
Ion Ratio Lower Upper
106 100
91 211.1 105.1 315.3



#70
Styrene
Concen: 62.367 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU034545.D
Acq: 13 Sep 2019 00:58

Tgt Ion:104 Resp: 557720
Ion Ratio Lower Upper
104 100
78 47.2 38.6 57.8
103 54.6 44.2 66.4





#71

Bromoform

Concen: 60.021 ug/l

RT: 9.94 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VU034545.D

Acq: 13 Sep 2019 00:58

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

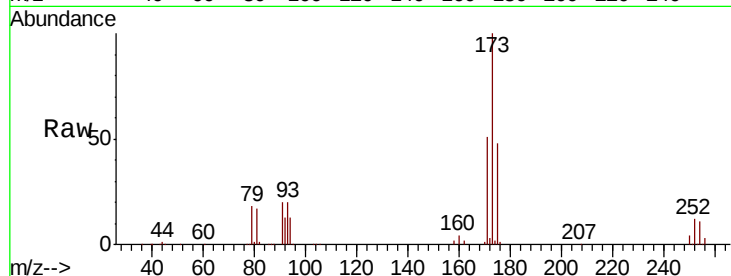
Tgt Ion:173 Resp: 168161

Ion Ratio Lower Upper

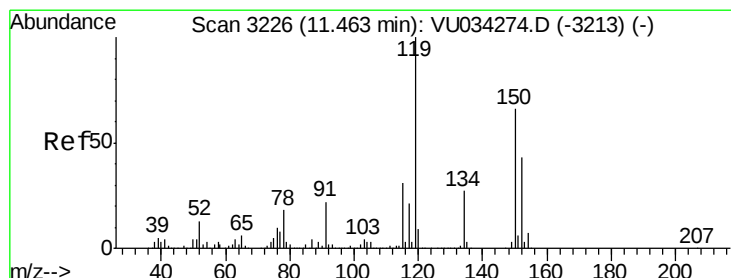
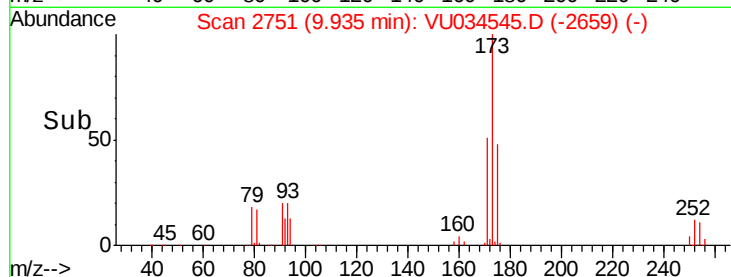
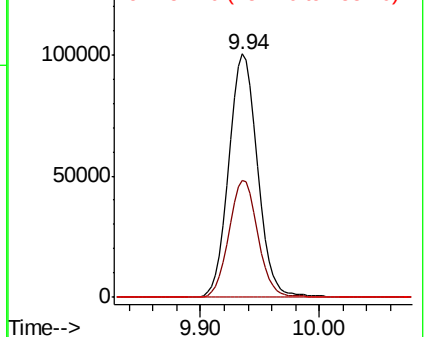
173 100

175 48.4 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: VU034545.D

Acq: 13 Sep 2019 00:58

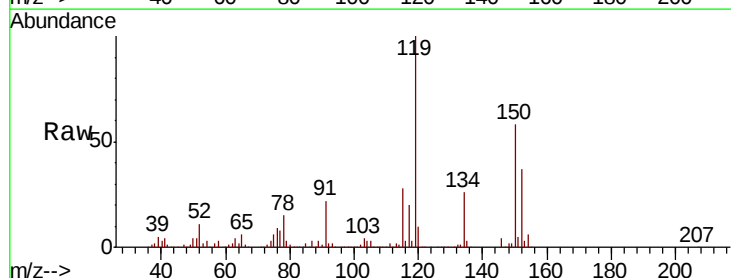
Tgt Ion:152 Resp: 234113

Ion Ratio Lower Upper

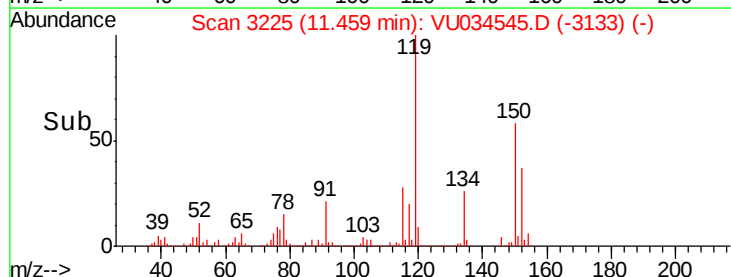
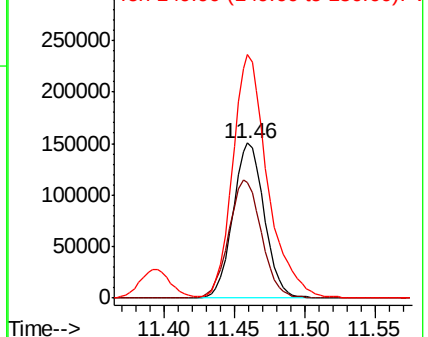
152 100

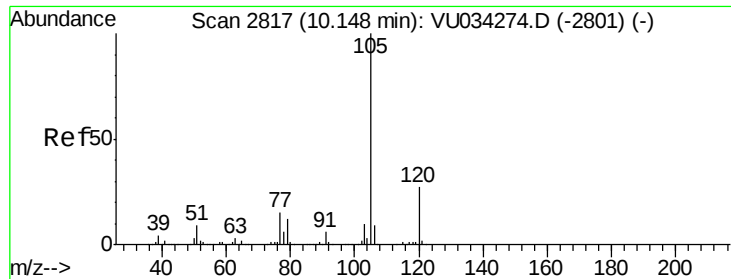
115 79.6 39.1 117.3

150 173.8 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: 54.966 ug/l

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034545.D

Acq: 13 Sep 2019 00:58

Instrument :

MSVOA_U

ClientSampleId :

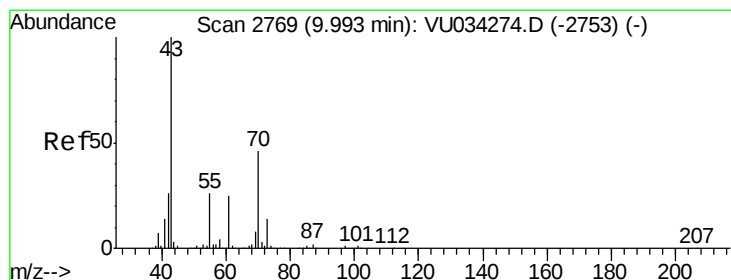
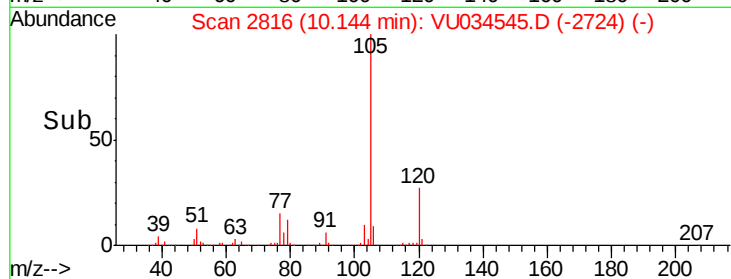
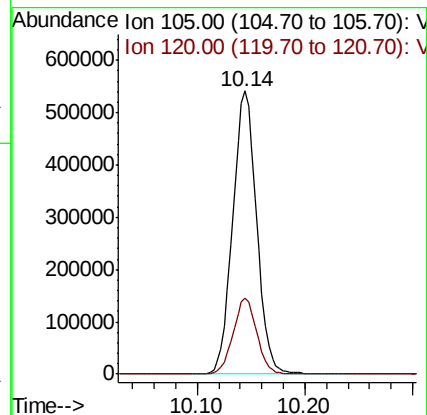
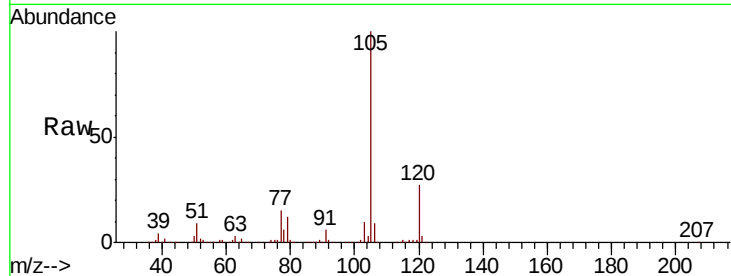
CPA-CPMW09D-M27W1-090319MS

Tgt Ion: 105 Resp: 837432

Ion Ratio Lower Upper

105 100

120 26.6 13.4 40.2



#74

N-ethyl acetate

Concen: 54.007 ug/l

RT: 9.99 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VU034545.D

Acq: 13 Sep 2019 00:58

Tgt Ion: 43 Resp: 331209

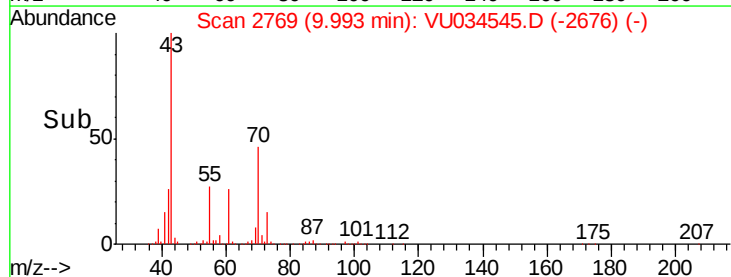
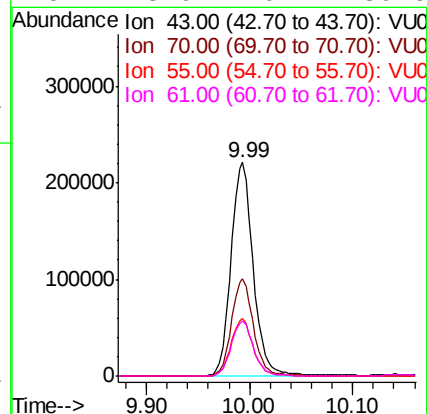
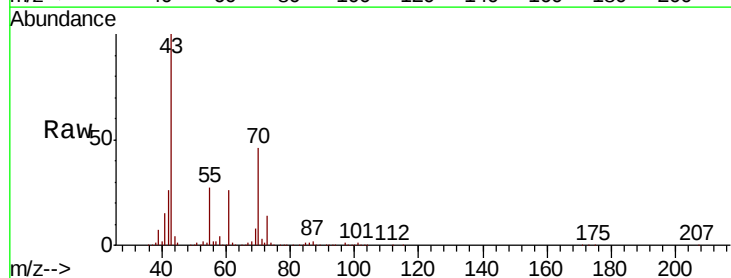
Ion Ratio Lower Upper

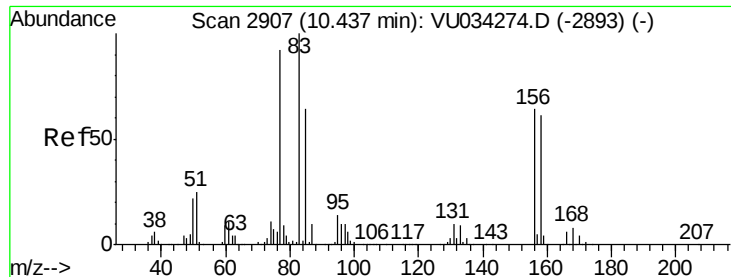
43 100

70 45.2 36.4 54.6

55 26.8 21.2 31.8

61 25.9 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 55.187 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034545.D

Acq: 13 Sep 2019 00:58

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

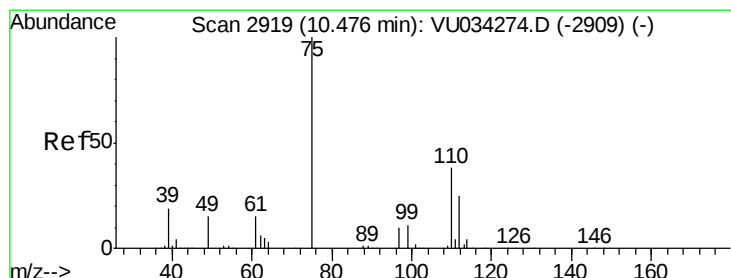
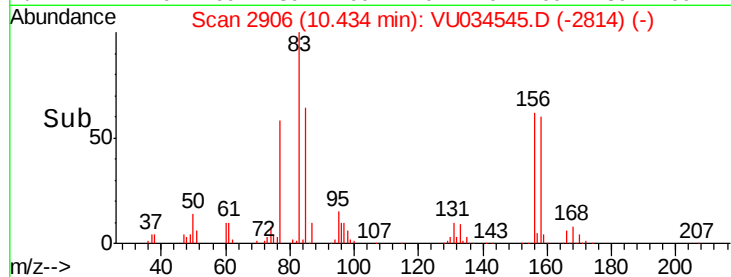
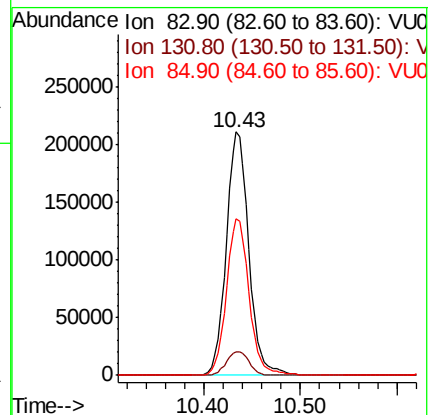
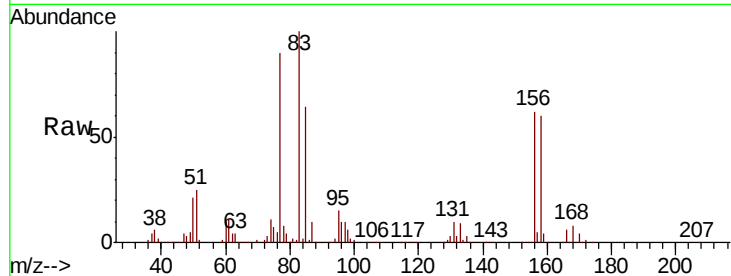
Tgt Ion: 83 Resp: 340340

Ion Ratio Lower Upper

83 100

131 10.0 5.1 15.2

85 64.9 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 70.370 ug/l

RT: 10.47 min Scan# 2918

Delta R.T. -0.00 min

Lab File: VU034545.D

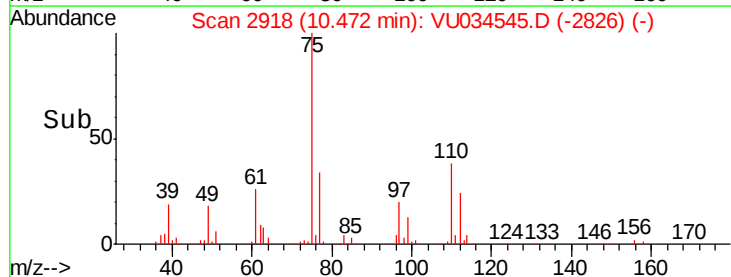
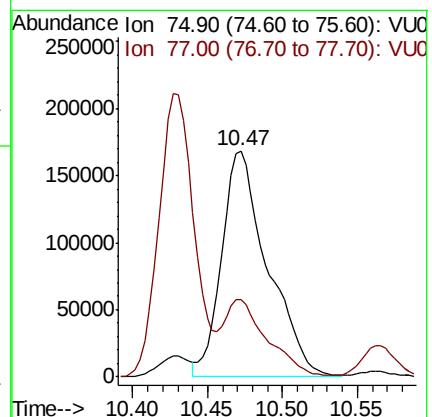
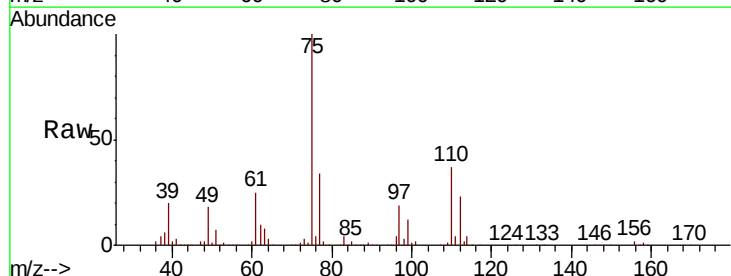
Acq: 13 Sep 2019 00:58

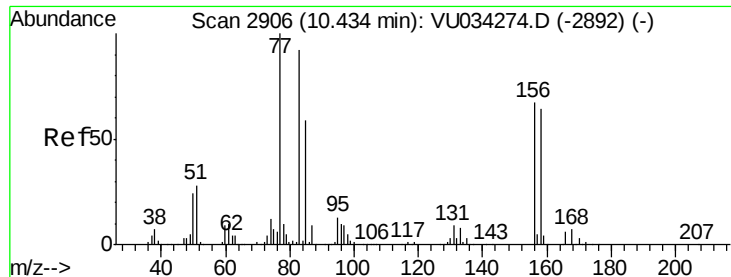
Tgt Ion: 75 Resp: 359610

Ion Ratio Lower Upper

75 100

77 31.7 20.8 62.2





#77

Bromobenzene

Concen: 54.624 ug/l

RT: 10.43 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VU034545.D

Acq: 13 Sep 2019 00:58

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

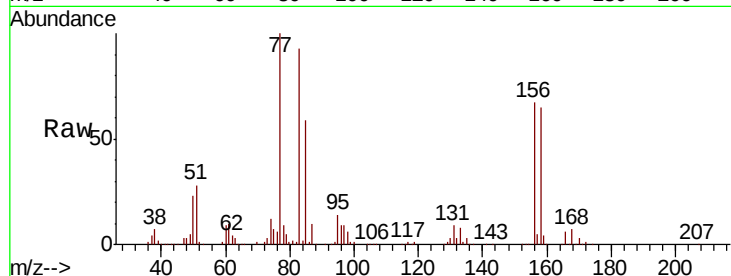
Tgt Ion:156 Resp: 232699

Ion Ratio Lower Upper

156 100

77 149.6 75.6 226.9

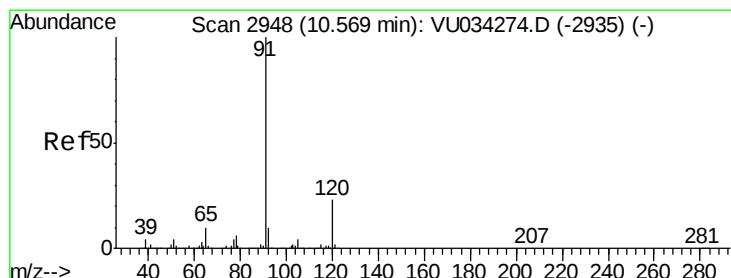
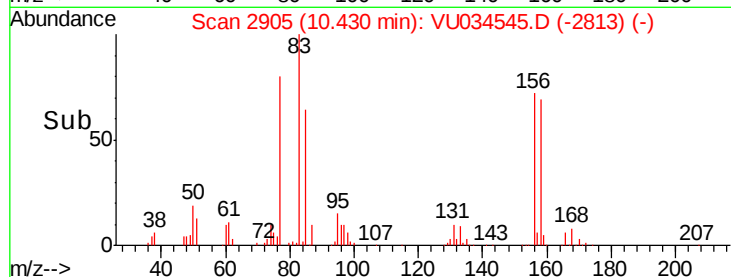
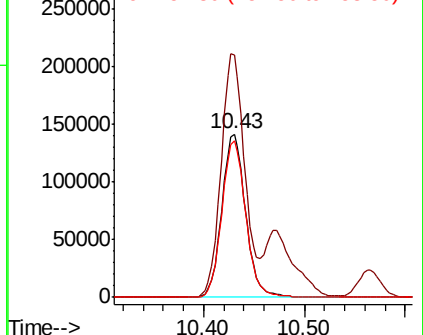
158 96.9 48.2 144.6



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: 54.512 ug/l

RT: 10.57 min Scan# 2947

Delta R.T. -0.00 min

Lab File: VU034545.D

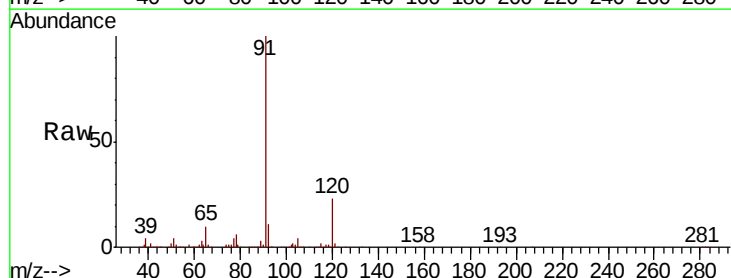
Acq: 13 Sep 2019 00:58

Tgt Ion: 91 Resp: 959167

Ion Ratio Lower Upper

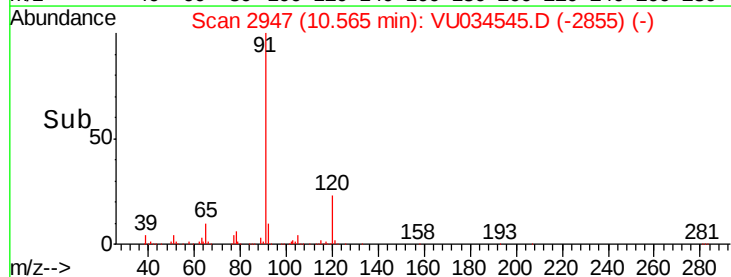
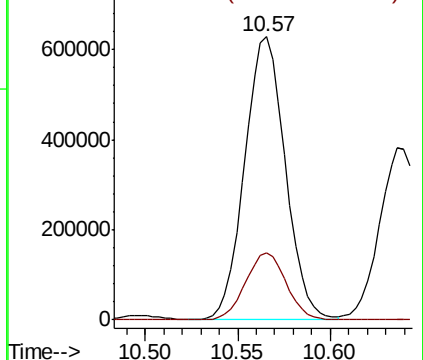
91 100

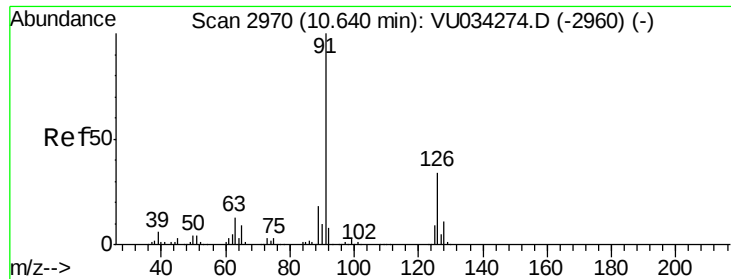
120 23.7 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.328 ug/l

RT: 10.64 min Scan# 2969

Delta R.T. -0.00 min

Lab File: VU034545.D

Acq: 13 Sep 2019 00:58

Instrument :

MSVOA_U

ClientSampleId :

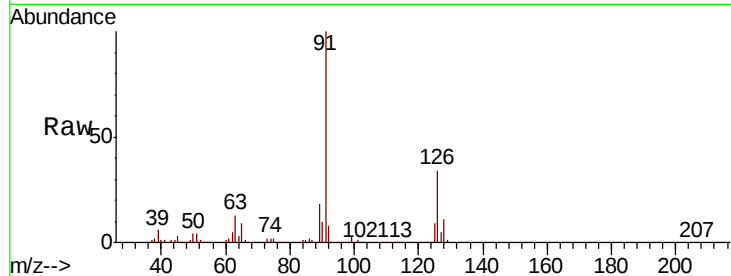
CPA-CPMW09D-M27W1-090319MS

Tgt Ion: 91 Resp: 594011

Ion Ratio Lower Upper

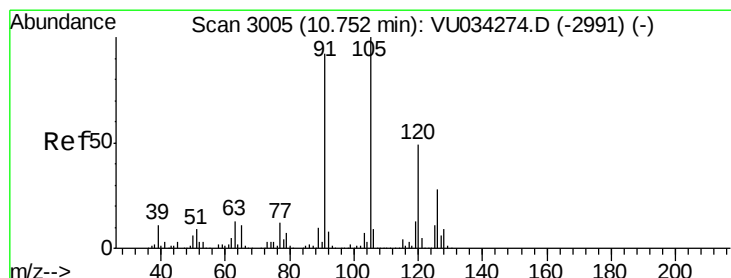
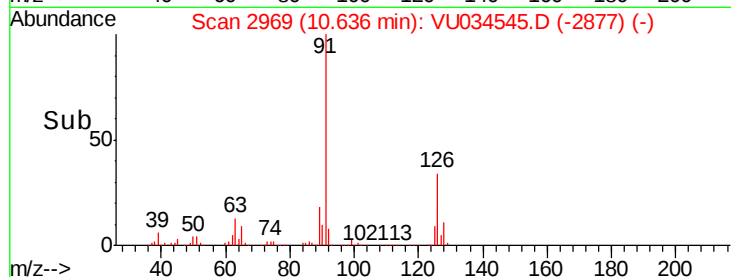
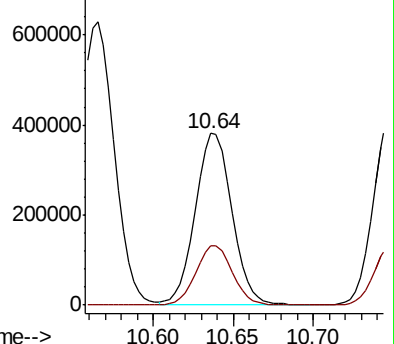
91 100

126 34.6 17.3 51.9



Abundance Ion 91.00 (90.70 to 91.70): VU034274.D (-2960) (-)

Ion 125.90 (125.60 to 126.60): VU034274.D (-2960) (-)



#80

1,3,5-Trimethylbenzene

Concen: 57.287 ug/l

RT: 10.75 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VU034545.D

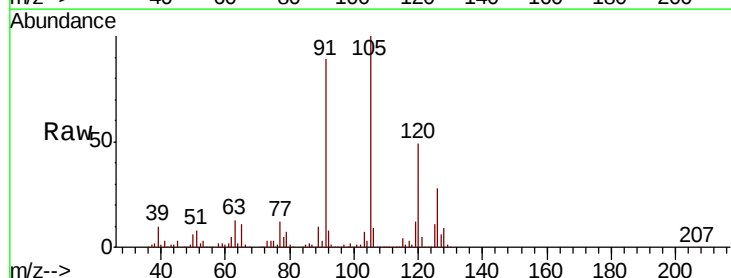
Acq: 13 Sep 2019 00:58

Tgt Ion: 105 Resp: 729951

Ion Ratio Lower Upper

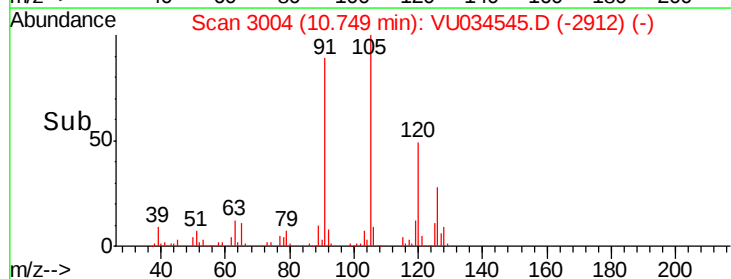
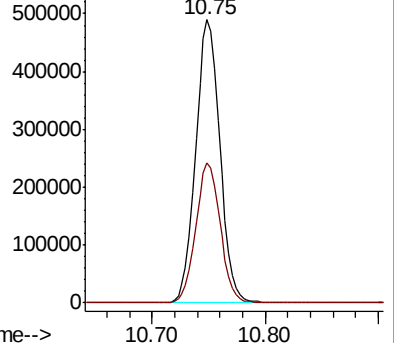
105 100

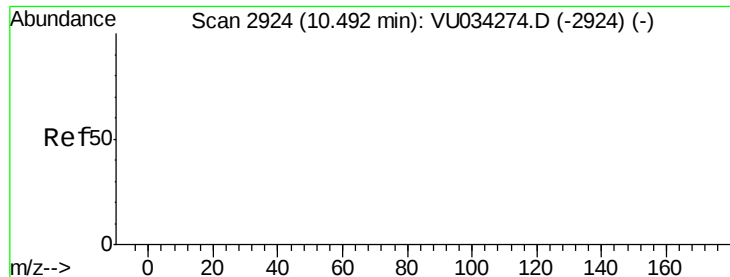
120 50.1 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): VU034274.D (-2991) (-)

Ion 120.00 (119.70 to 120.70): VU034274.D (-2991) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 236.650 ug/l

RT: 10.47 min Scan# 2918

Delta R.T. -0.02 min

Lab File: VU034545.D

Acq: 13 Sep 2019 00:58

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

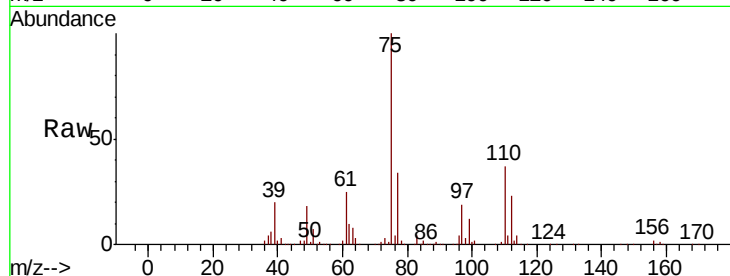
Tgt Ion: 75 Resp: 359610

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU034274.D (-2924) (-)

Ion 53.00 (52.70 to 53.70): VU034274.D (-2924) (-)

Ion 88.90 (88.60 to 89.60): VU034274.D (-2924) (-)

10.47

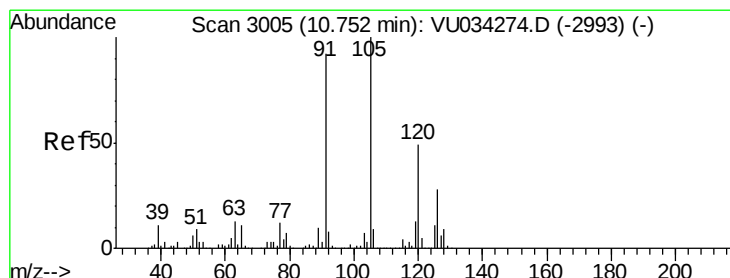
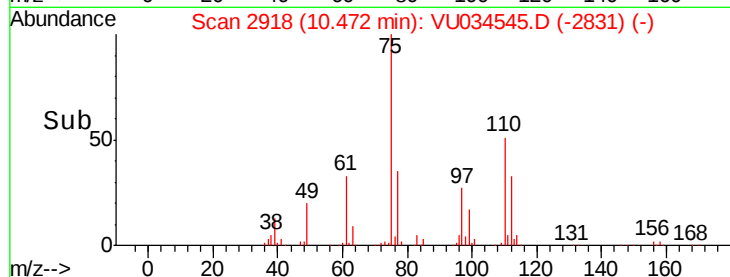
150000

100000

50000

0

Time-->



#82

4-Chlorotoluene

Concen: 54.573 ug/l

RT: 10.75 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VU034545.D

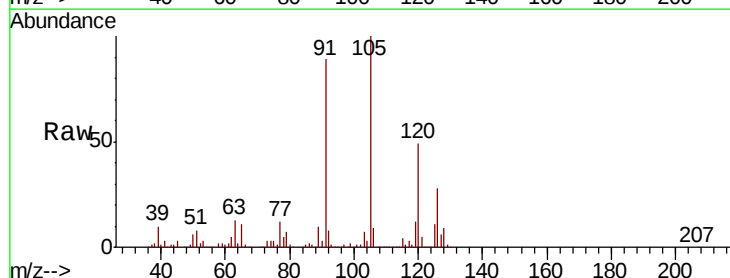
Acq: 13 Sep 2019 00:58

Tgt Ion: 91 Resp: 674255

Ion Ratio Lower Upper

91 100

126 31.2 15.3 45.8



Abundance Ion 91.00 (90.70 to 91.70): VU034274.D (-2993) (-)

Ion 125.90 (125.60 to 126.60): VU034274.D (-2993) (-)

10.75

500000

400000

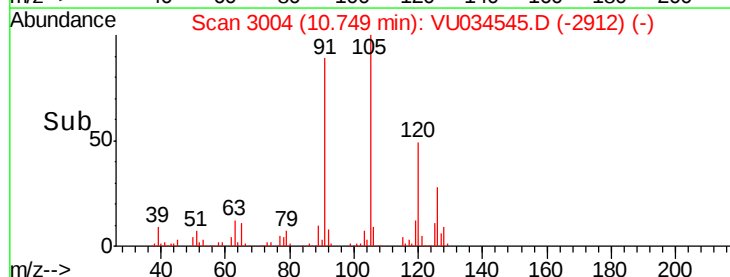
300000

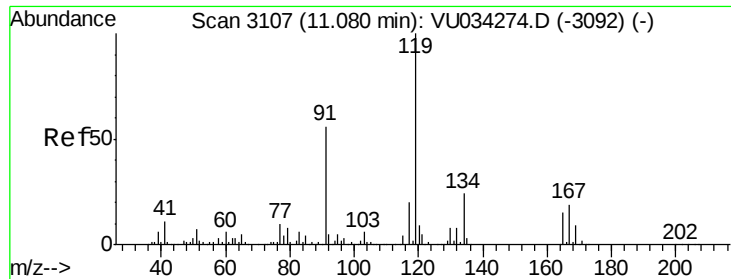
200000

100000

0

Time-->

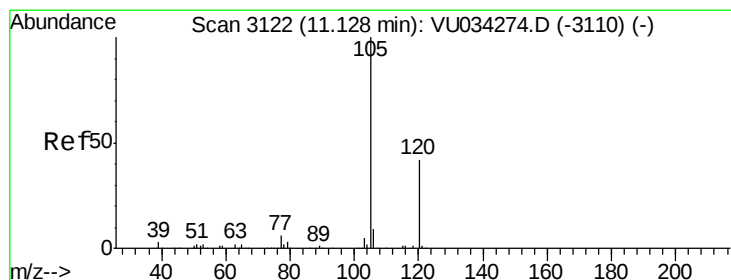
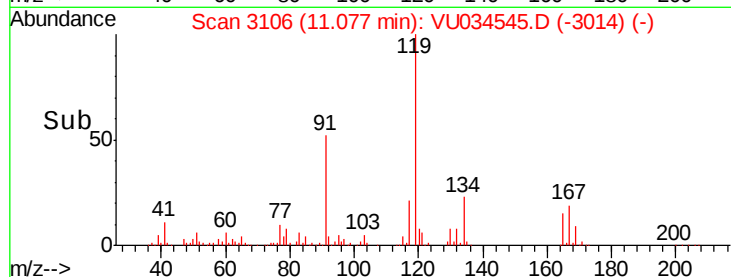
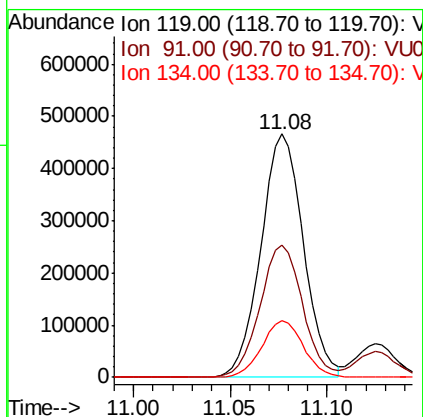
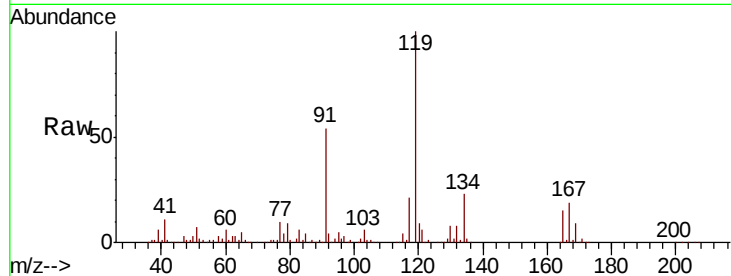




#83
 tert-Butylbenzene
 Concen: 56.032 ug/l
 RT: 11.08 min Scan# 3106
 Delta R.T. -0.00 min
 Lab File: VU034545.D
 Acq: 13 Sep 2019 00:58

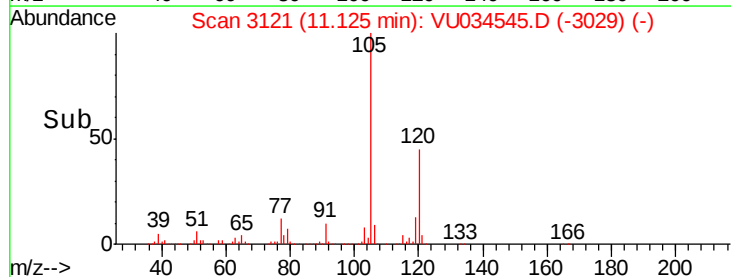
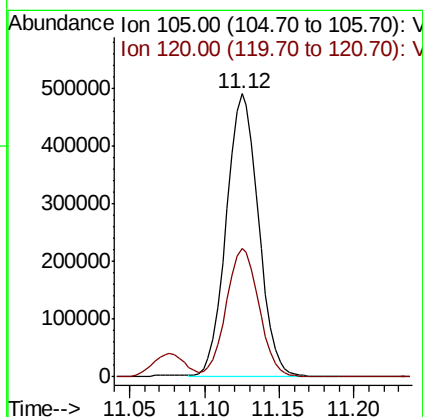
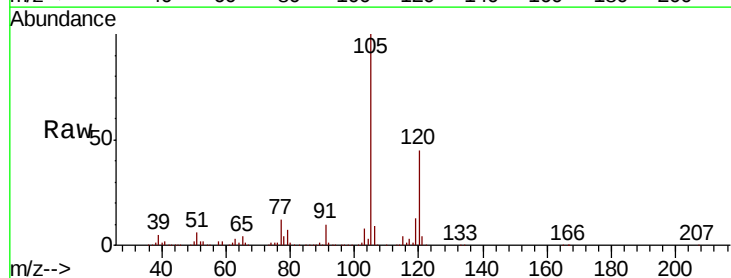
Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW09D-M27W1-090319MS

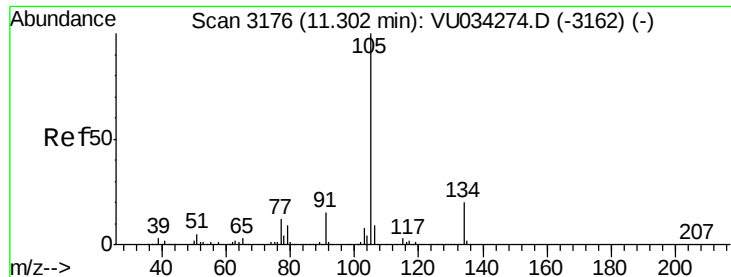
Tgt Ion:119 Resp: 714234
 Ion Ratio Lower Upper
 119 100
 91 54.3 27.8 83.4
 134 22.9 11.7 35.0



#84
 1,2,4-Trimethylbenzene
 Concen: 57.181 ug/l
 RT: 11.12 min Scan# 3121
 Delta R.T. -0.00 min
 Lab File: VU034545.D
 Acq: 13 Sep 2019 00:58

Tgt Ion:105 Resp: 733426
 Ion Ratio Lower Upper
 105 100
 120 46.2 22.9 68.8

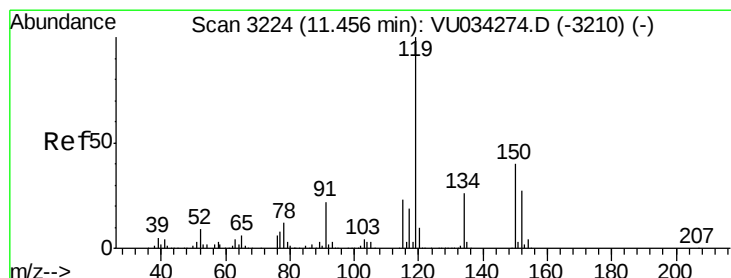
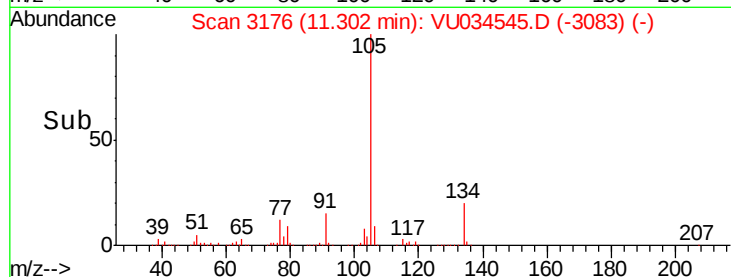
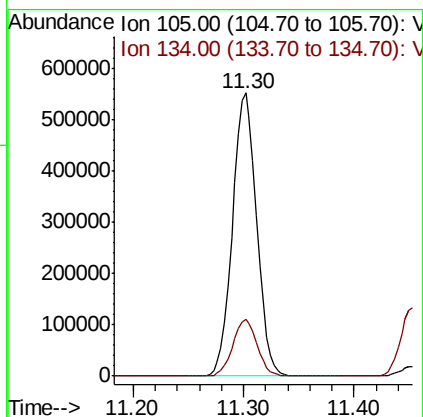
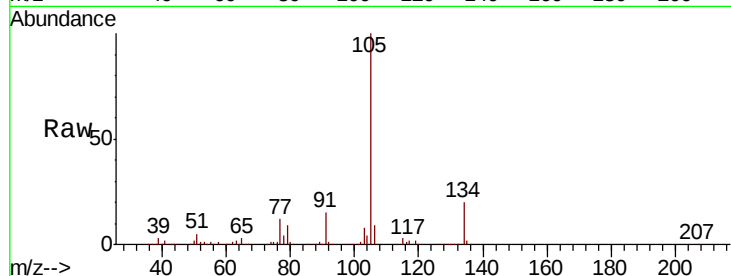




#85
 sec-Butylbenzene
 Concen: 55.591 ug/l
 RT: 11.30 min Scan# 3176
 Delta R.T. -0.00 min
 Lab File: VU034545.D
 Acq: 13 Sep 2019 00:58

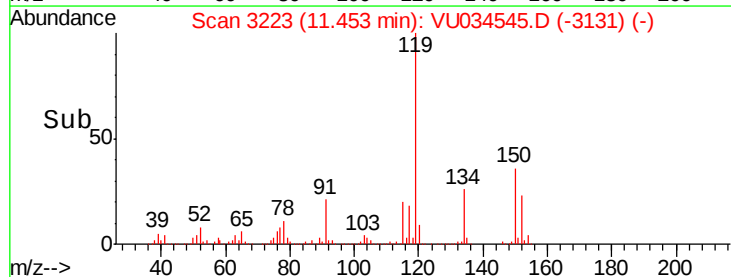
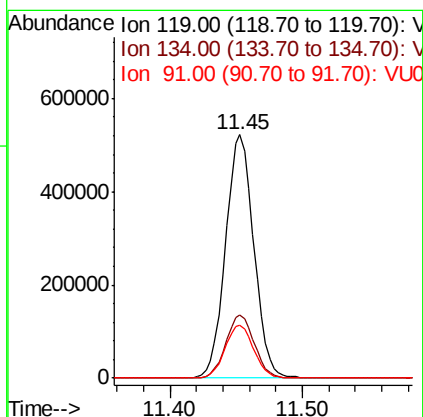
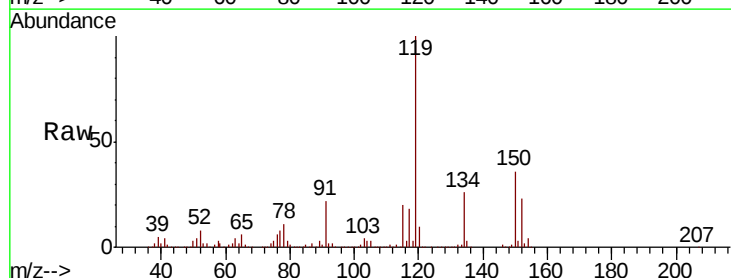
Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW09D-M27W1-090319MS

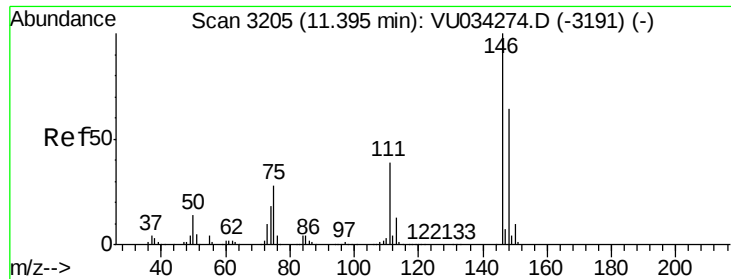
Tgt Ion:105 Resp: 836569
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 55.363 ug/l
 RT: 11.45 min Scan# 3223
 Delta R.T. -0.00 min
 Lab File: VU034545.D
 Acq: 13 Sep 2019 00:58

Tgt Ion:119 Resp: 768973
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.3 39.8
 91 22.0 11.2 33.6

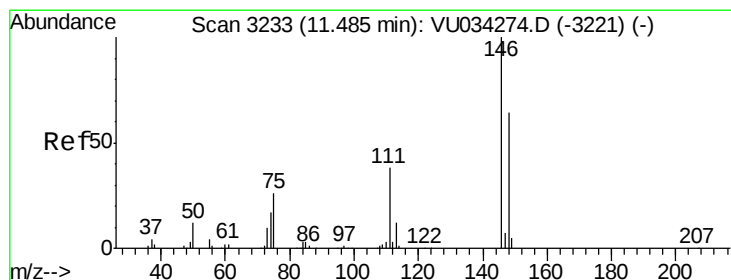
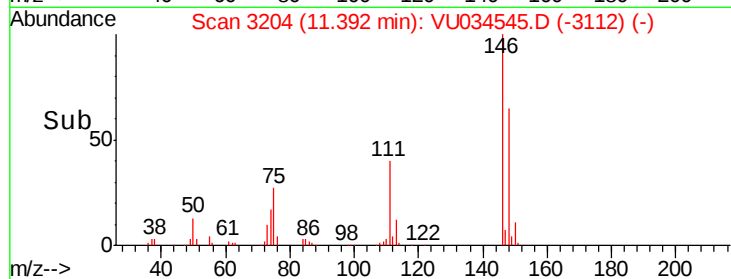
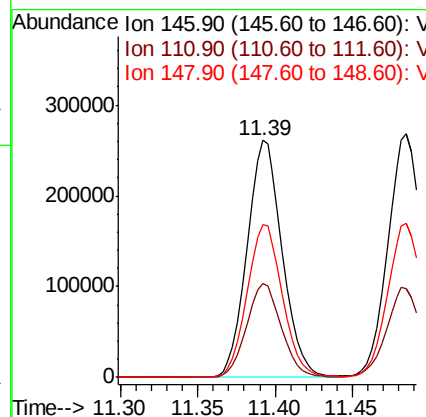
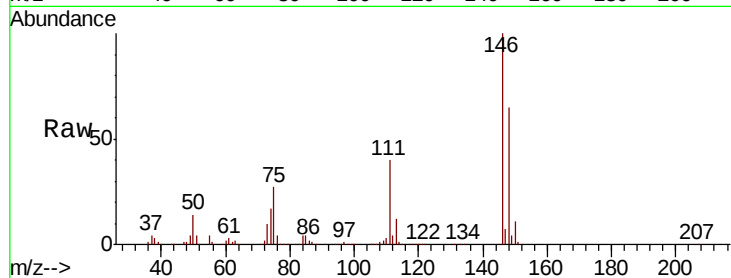




#87
 1,3-Dichlorobenzene
 Concen: 53.080 ug/l
 RT: 11.39 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU034545.D
 Acq: 13 Sep 2019 00:58

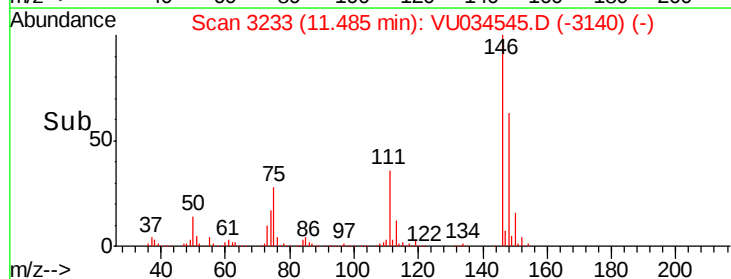
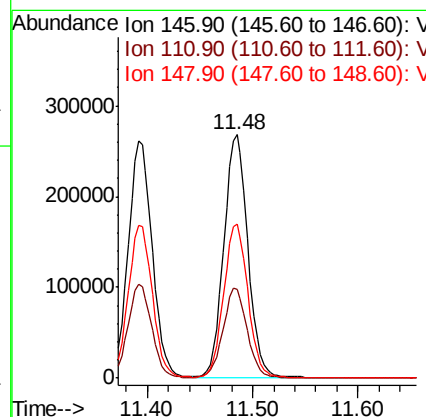
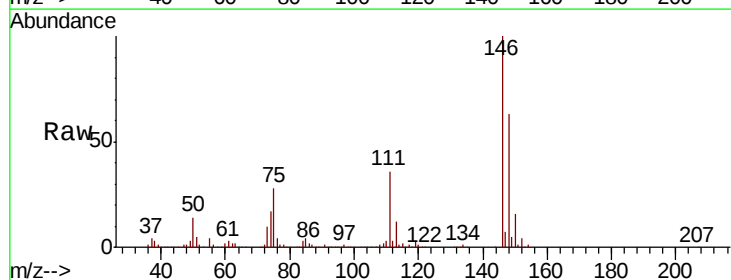
Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW09D-M27W1-090319MS

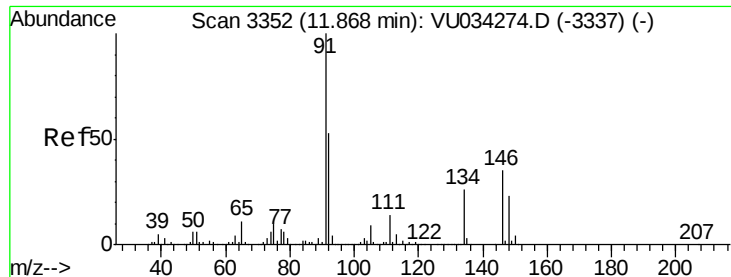
Tgt Ion:146 Resp: 412621
 Ion Ratio Lower Upper
 146 100
 111 39.1 19.5 58.5
 148 64.8 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 51.993 ug/l
 RT: 11.48 min Scan# 3233
 Delta R.T. -0.00 min
 Lab File: VU034545.D
 Acq: 13 Sep 2019 00:58

Tgt Ion:146 Resp: 421564
 Ion Ratio Lower Upper
 146 100
 111 37.1 19.1 57.3
 148 63.7 32.0 96.0

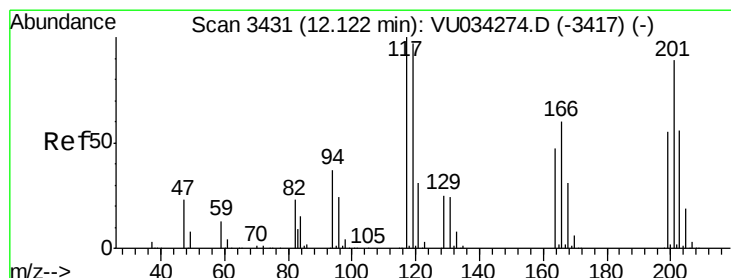
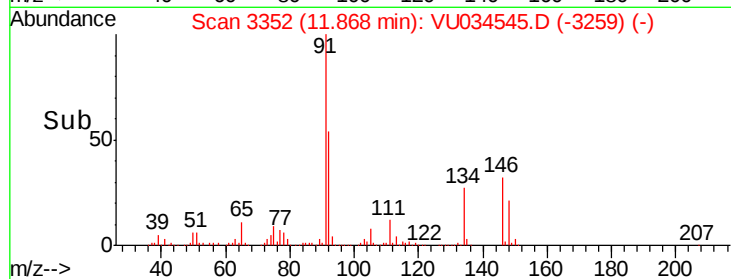
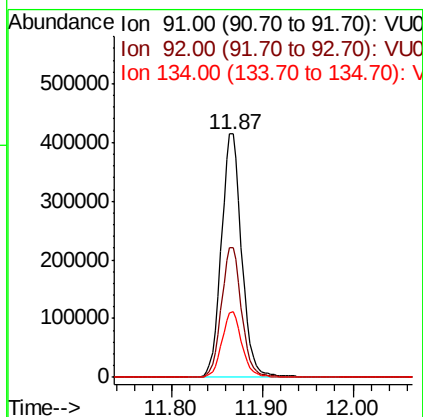
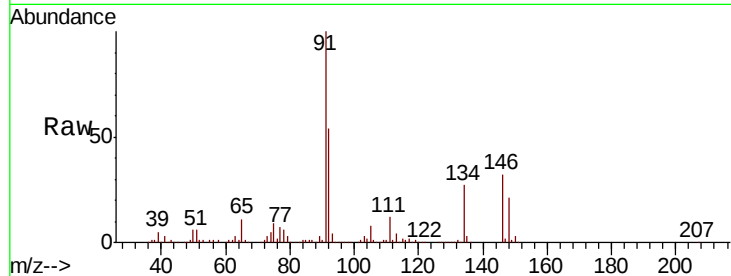




#89
n-Butylbenzene
Concen: 53.421 ug/l
RT: 11.87 min Scan# 3352
Delta R.T. -0.00 min
Lab File: VU034545.D
Acq: 13 Sep 2019 00:58

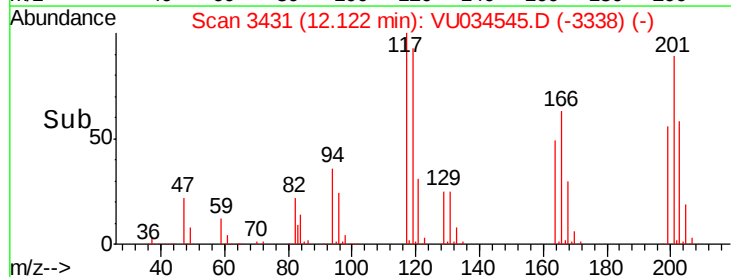
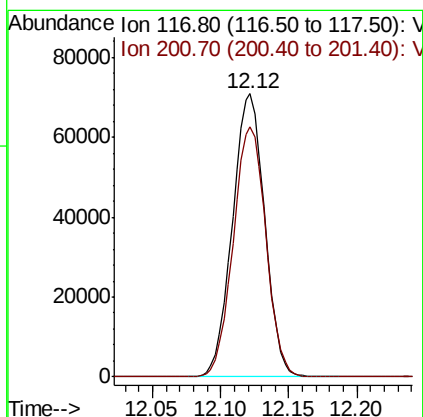
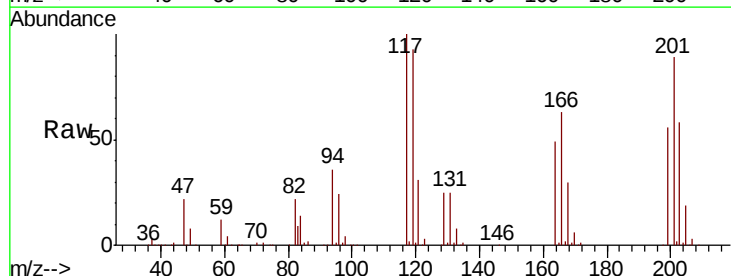
Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW09D-M27W1-090319MS

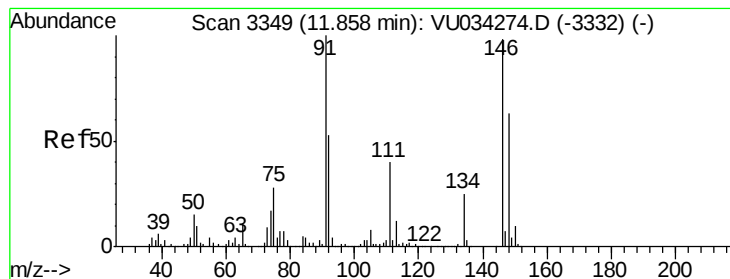
Tgt Ion: 91 Resp: 644818
Ion Ratio Lower Upper
91 100
92 53.0 26.5 79.4
134 26.5 13.2 39.6



#90
Hexachloroethane
Concen: 52.505 ug/l
RT: 12.12 min Scan# 3431
Delta R.T. -0.00 min
Lab File: VU034545.D
Acq: 13 Sep 2019 00:58

Tgt Ion: 117 Resp: 116677
Ion Ratio Lower Upper
117 100
201 89.2 44.1 132.4





#91

1,2-Dichlorobenzene

Concen: 54.650 ug/l

RT: 11.85 min Scan# 3348

Delta R.T. -0.00 min

Lab File: VU034545.D

Acq: 13 Sep 2019 00:58

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

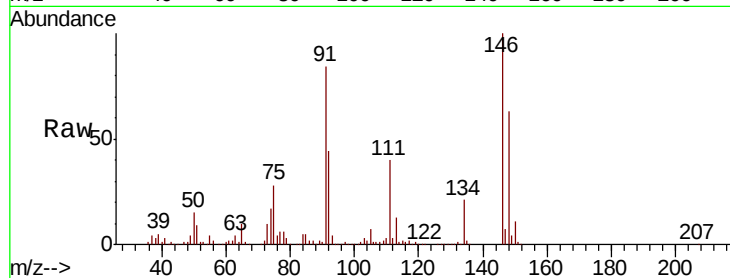
Tgt Ion:146 Resp: 417517

Ion Ratio Lower Upper

146 100

111 40.1 20.0 60.0

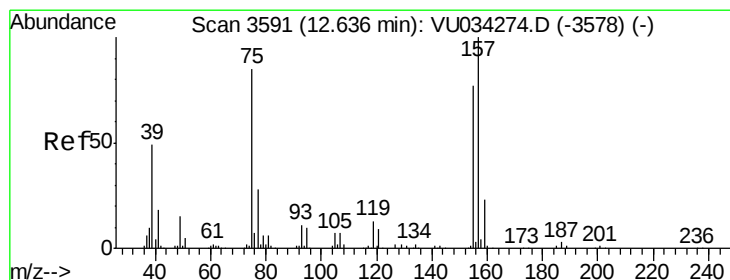
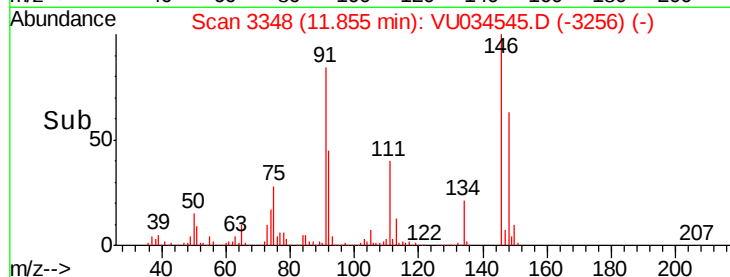
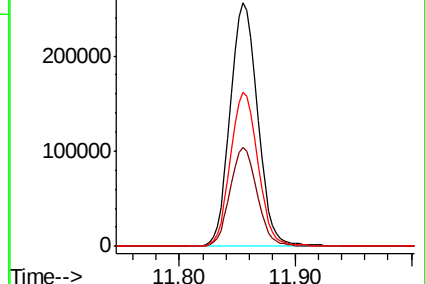
148 63.8 31.6 94.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 59.857 ug/l

RT: 12.63 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VU034545.D

Acq: 13 Sep 2019 00:58

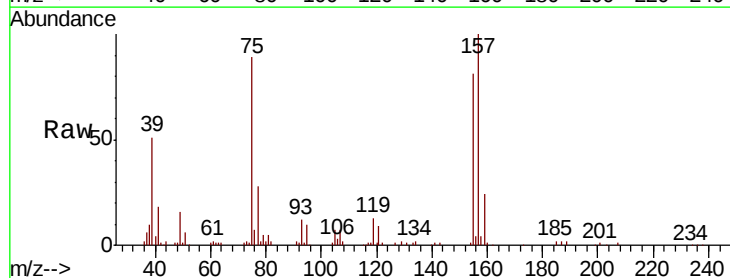
Tgt Ion: 75 Resp: 67832

Ion Ratio Lower Upper

75 100

155 91.9 44.6 134.0

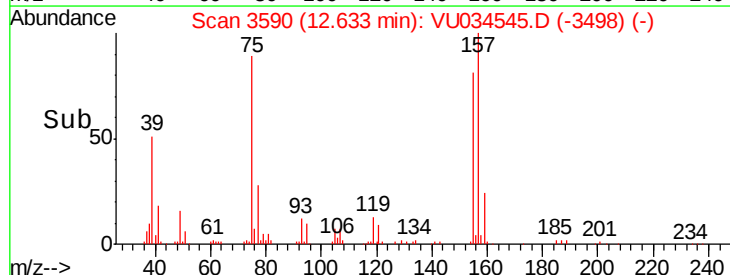
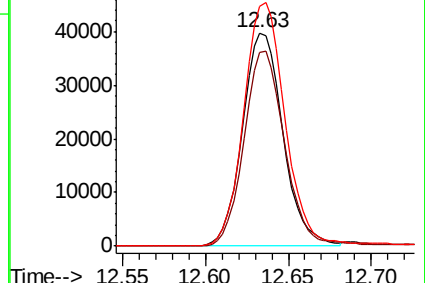
157 117.1 58.2 174.6

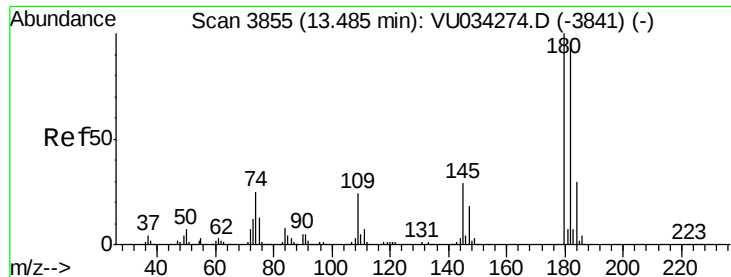


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

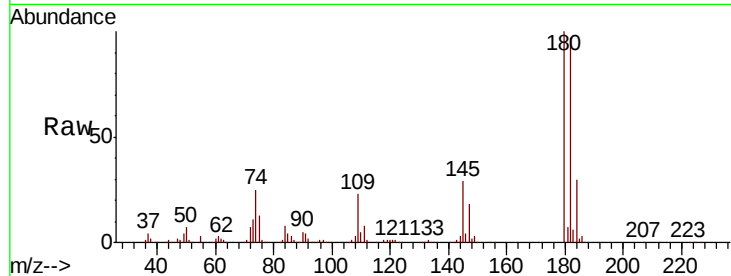




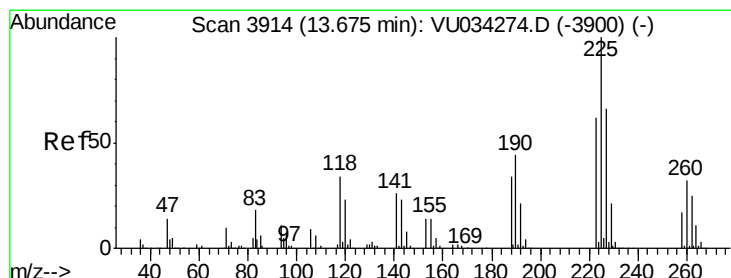
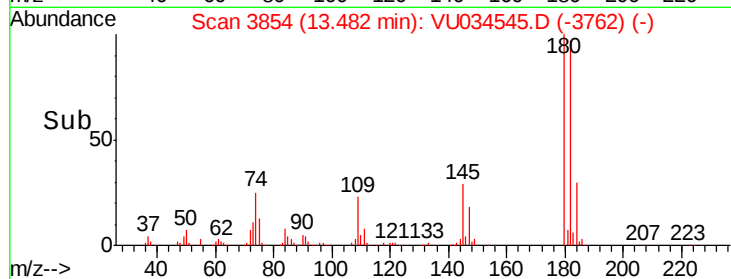
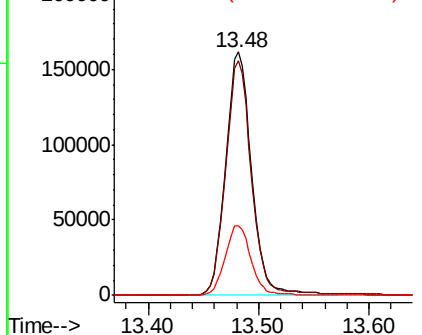
#93
 1,2,4-Trichlorobenzene
 Concen: 47.742 ug/l
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034545.D
 Acq: 13 Sep 2019 00:58

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

Tgt Ion:180 Resp: 263604
 Ion Ratio Lower Upper
 180 100
 182 95.9 47.9 143.8
 145 29.0 14.4 43.0

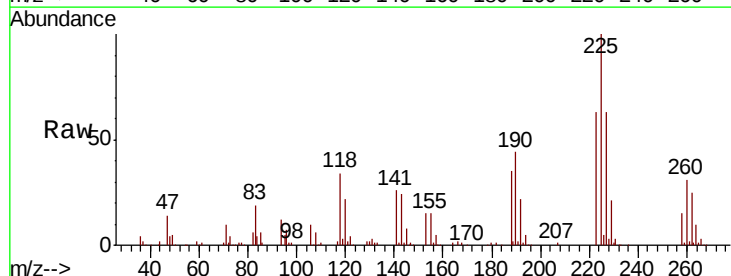


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

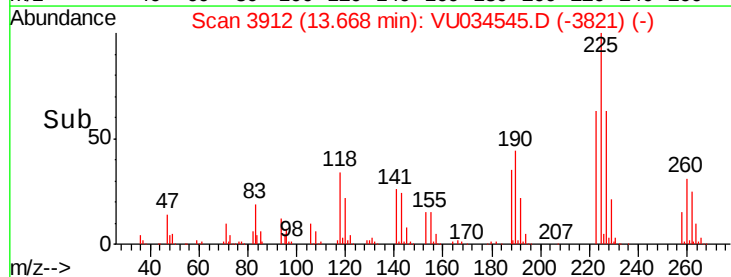
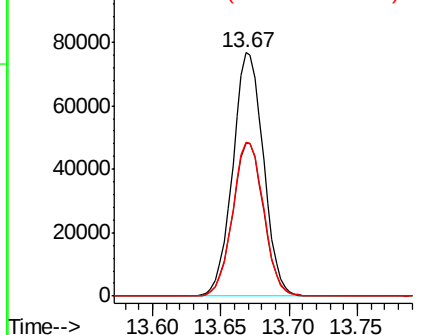


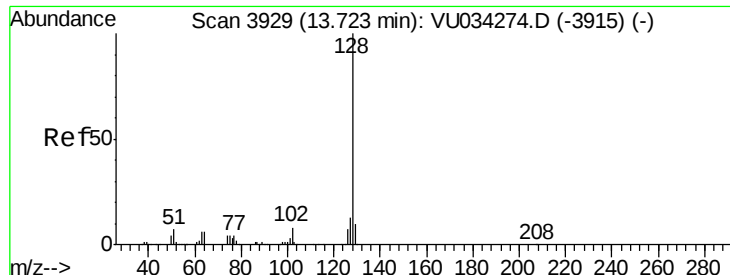
#94
 Hexachlorobutadiene
 Concen: 44.819 ug/l
 RT: 13.67 min Scan# 3912
 Delta R.T. -0.01 min
 Lab File: VU034545.D
 Acq: 13 Sep 2019 00:58

Tgt Ion:225 Resp: 119772
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.6 94.7
 227 64.1 32.3 96.8



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

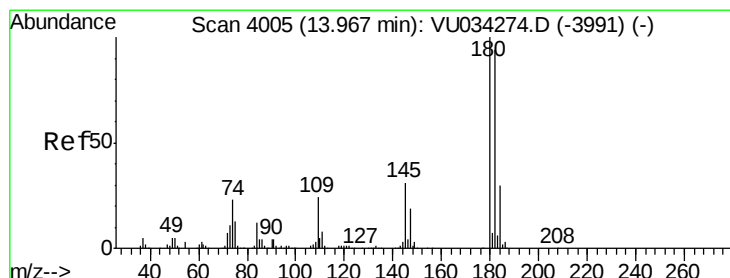
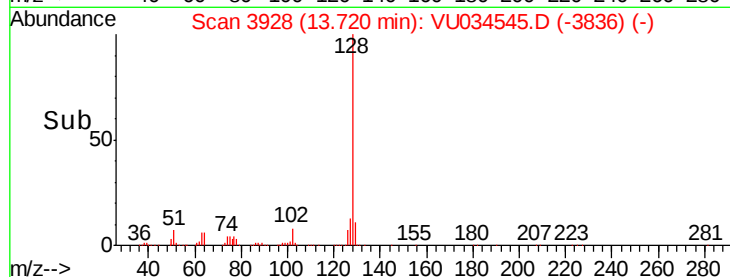
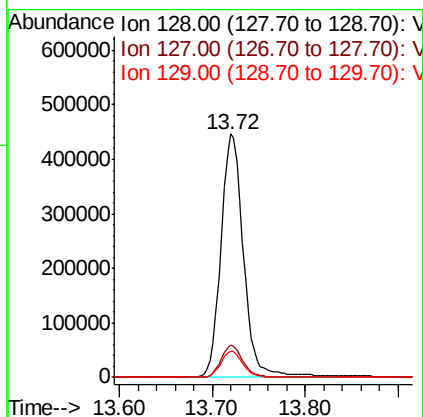
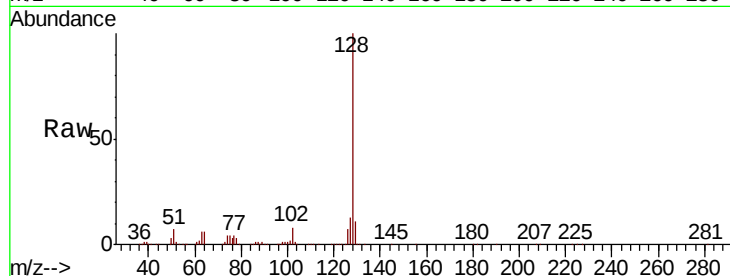




#95
Naphthalene
Concen: 48.548 ug/l
RT: 13.72 min Scan# 3928
Delta R.T. -0.00 min
Lab File: VU034545.D
Acq: 13 Sep 2019 00:58

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

Tgt Ion:128 Resp: 755544
Ion Ratio Lower Upper
128 100
127 13.1 10.6 15.8
129 10.4 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 50.594 ug/l
RT: 13.97 min Scan# 4005
Delta R.T. 0.00 min
Lab File: VU034545.D
Acq: 13 Sep 2019 00:58

Tgt Ion:180 Resp: 270948
Ion Ratio Lower Upper
180 100
182 95.4 48.4 145.0
145 30.9 15.4 46.4

