

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

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 11:15:36 AM

Quant Time: Sep 13 08:30:24 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	246694m	51.239	ug/l	
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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 Quant Title : SW846 8260
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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
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	293151m	57.365	ug/l	
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	10.49	75	67580m	44.473	ug/l	
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
93) 1,2,4-Trichlorobenzene	13.48	180	263604	47.742	ug/l	100

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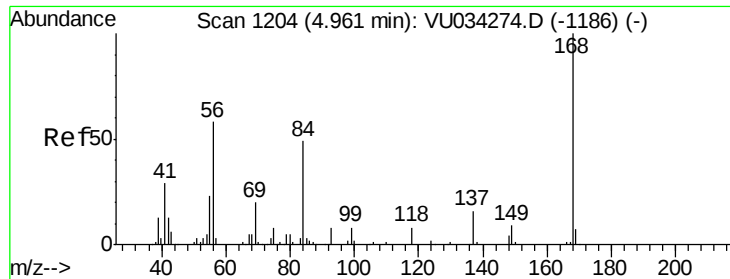
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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



#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

Tot Ion:168 Resp: 231466

Ion Ratio Lower Upper

168 100

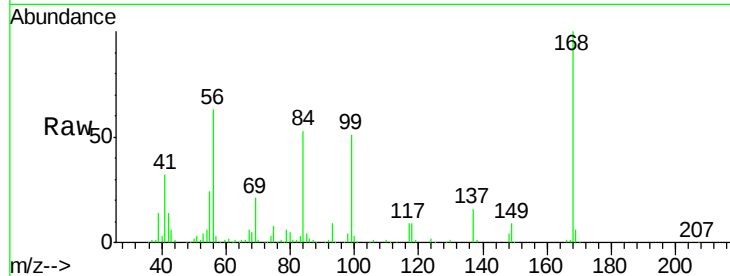
99 50.7 41.6 62.4

Manual Integrations

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

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

120000

100000

80000

60000

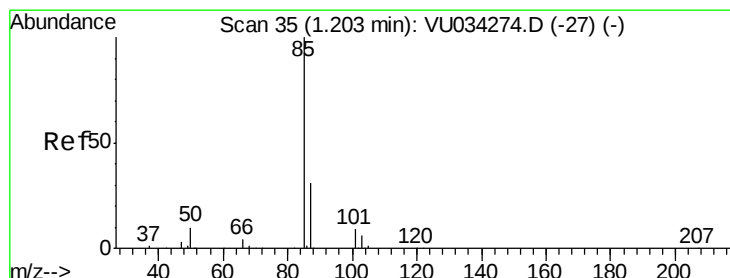
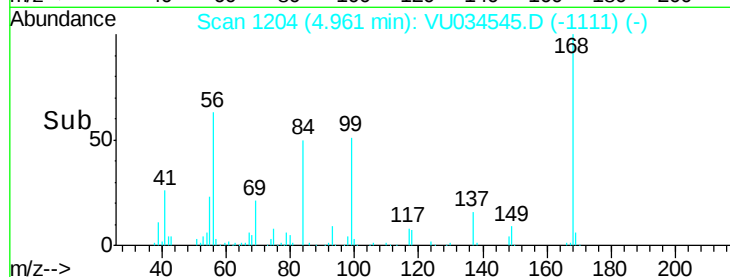
40000

20000

0

4.90 4.96 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

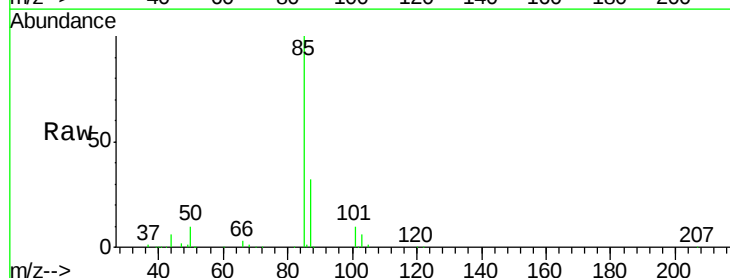
Acq: 13 Sep 2019 00:58

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) (-)

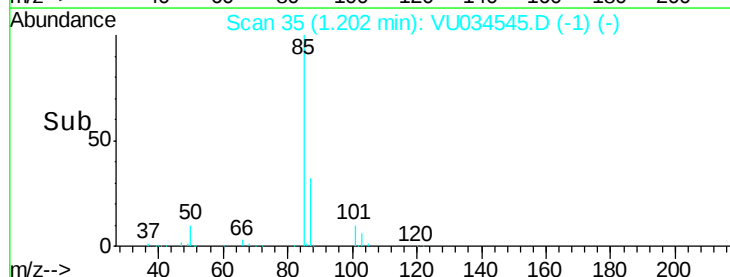
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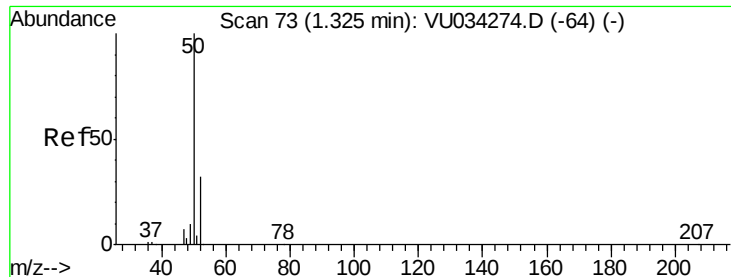
50000

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

Tot Ion: 50 Resp: 138884

Ion Ratio Lower Upper

50 100

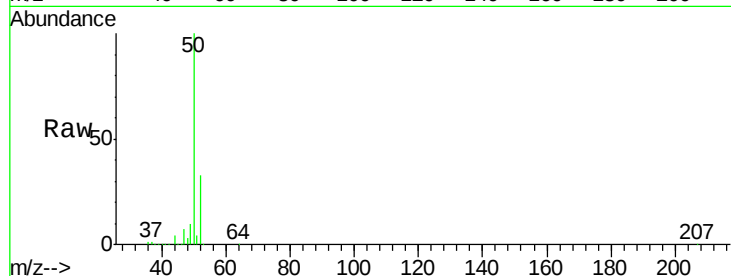
52 33.1 25.8 38.6

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Abundance Ion 49.90 (49.60 to 50.60): VU034545.D (-1) (-)

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

1.32

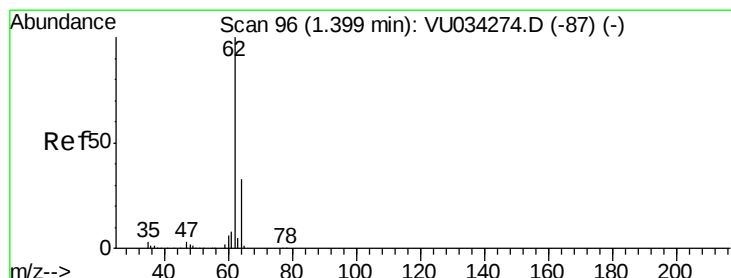
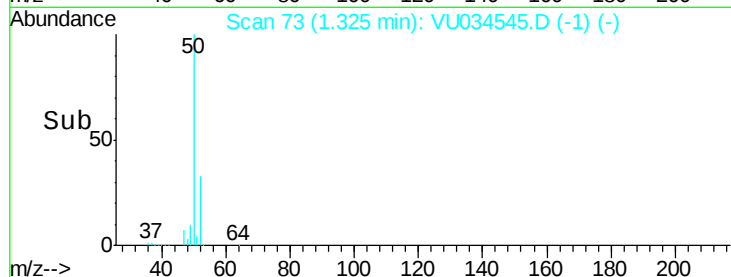
150000

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

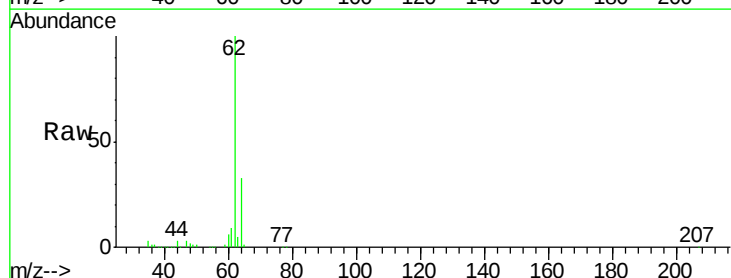
Acq: 13 Sep 2019 00:58

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): VU034545.D (-3) (-)

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

1.40

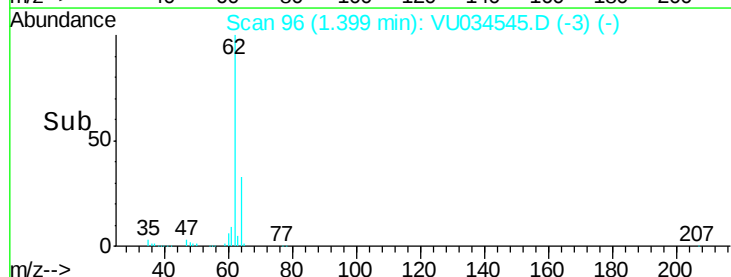
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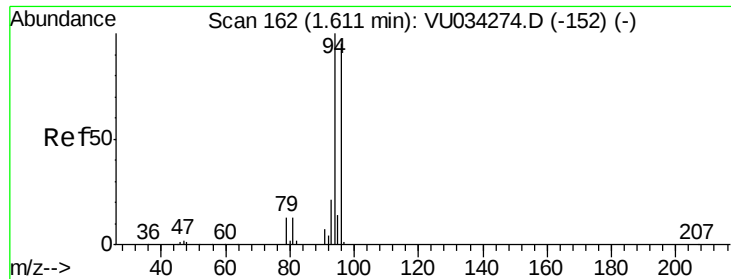
100000

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

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ClientSampleId :

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Tot Ion: 94 Resp: 91886

Ion Ratio Lower Upper

94 100

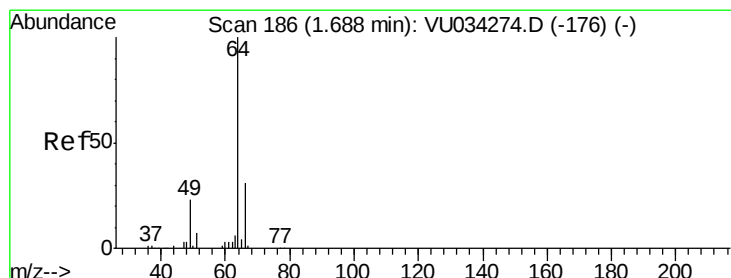
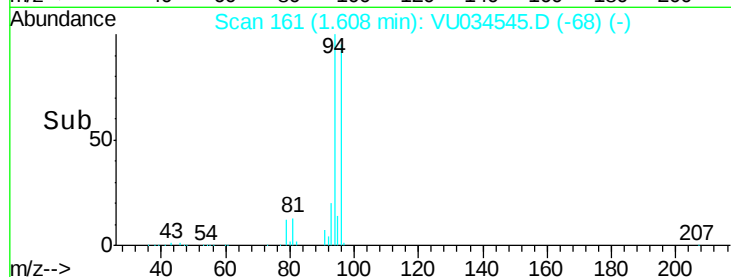
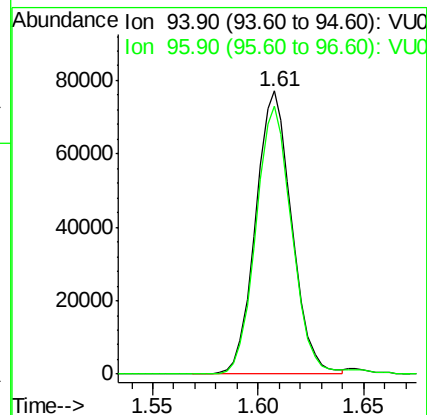
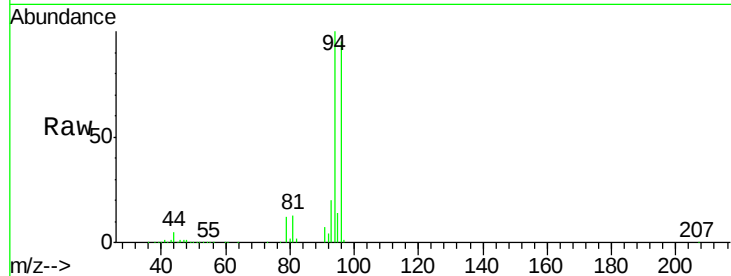
96 94.8 75.7 113.5

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9/16/2019 11:15:36 AM



#6

Chloroethane

Concen: 54.665 ug/l

RT: 1.68 min Scan# 185

Delta R.T. -0.00 min

Lab File: VU034545.D

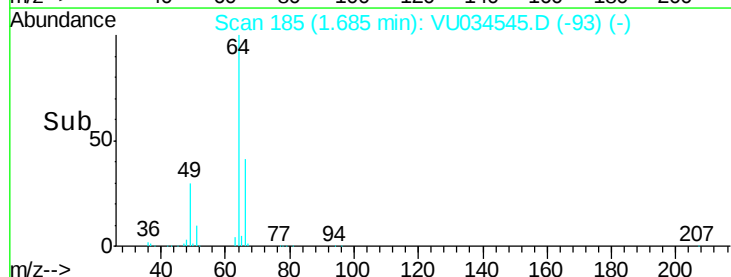
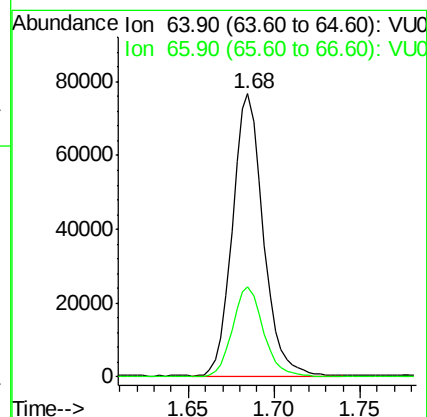
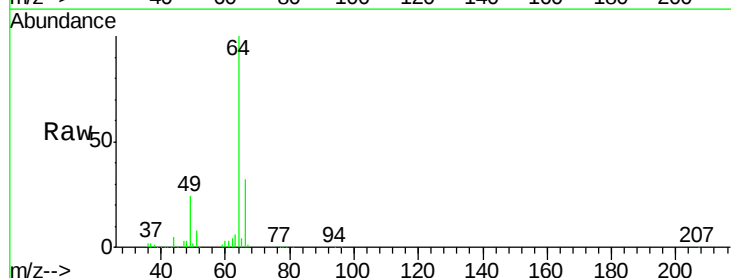
Acq: 13 Sep 2019 00:58

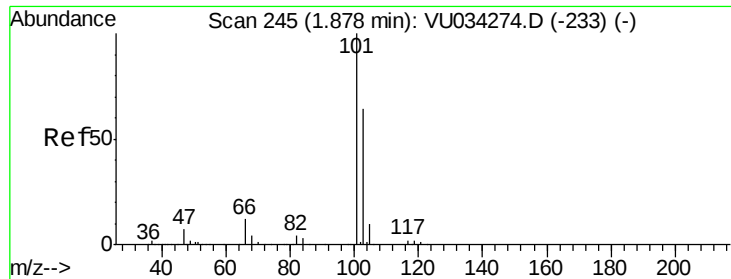
Tgt Ion: 64 Resp: 95681

Ion Ratio Lower Upper

64 100

66 31.9 25.0 37.6





#7

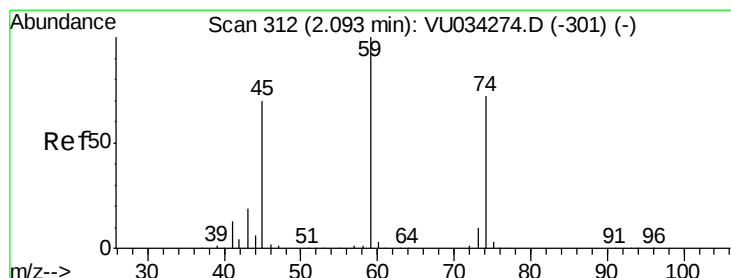
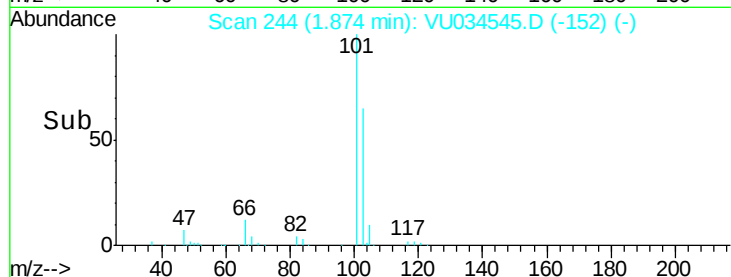
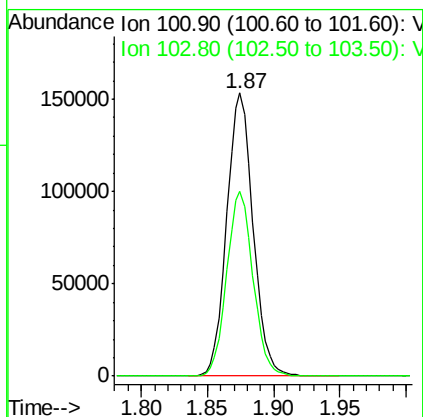
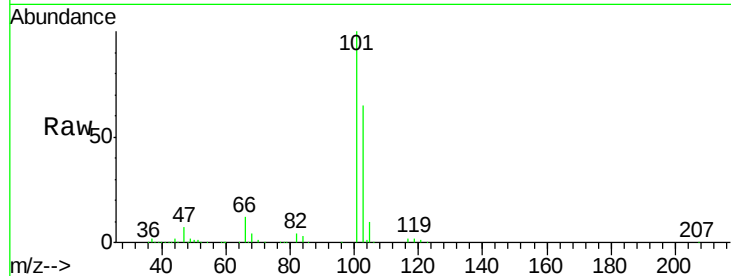
Trichlorofluoromethane
 Concen: 52.354 ug/l
 RT: 1.87 min Scan# 244
 Delta R.T. -0.00 min
 Lab File: VU034545.D
 Acq: 13 Sep 2019 00:58

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.0	76.6

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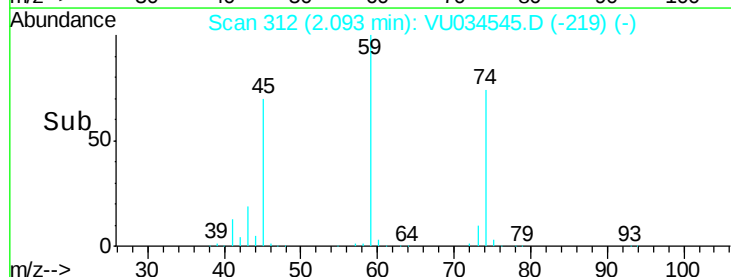
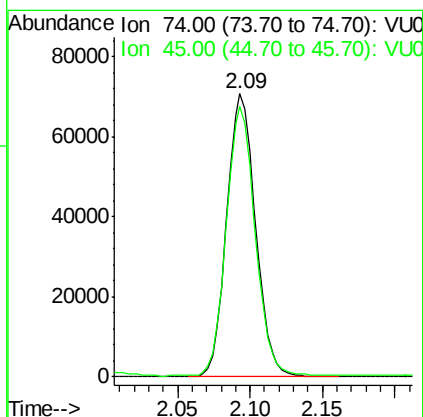
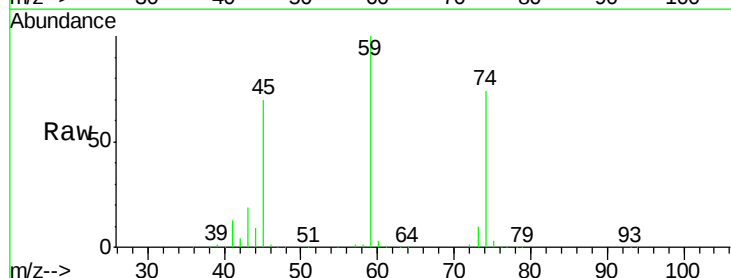
MMDadoda
 9/16/2019 11:15:36 AM

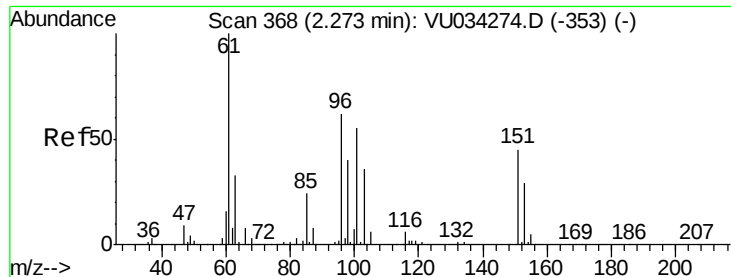


#8

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	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

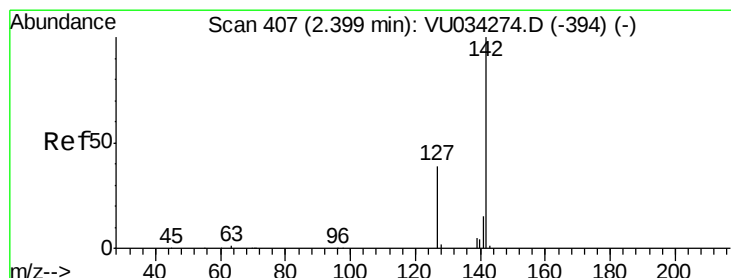
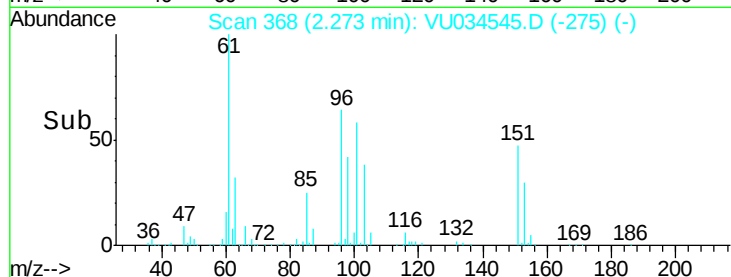
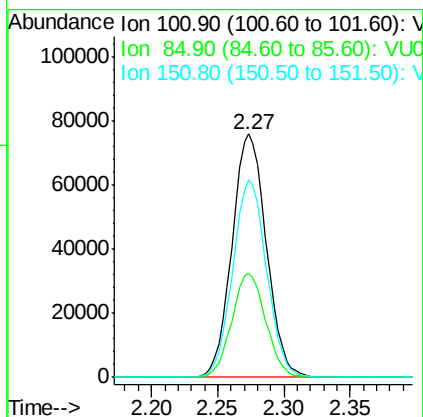
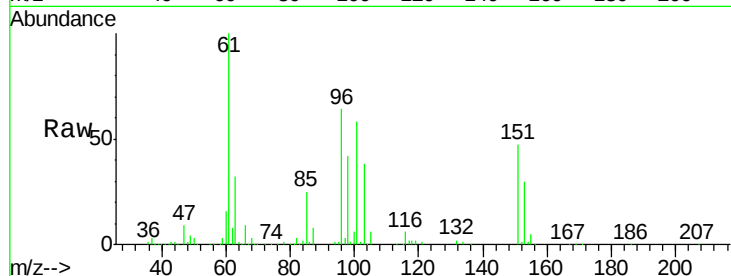
ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

Tot Ion	Ratio	Resp	Lower	Upper
101	100	136262		
85	42.3		34.4	51.6
151	80.2		64.4	96.6

Manual Integrations
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#10

Methyl Iodide

Concen: 47.944 ug/l

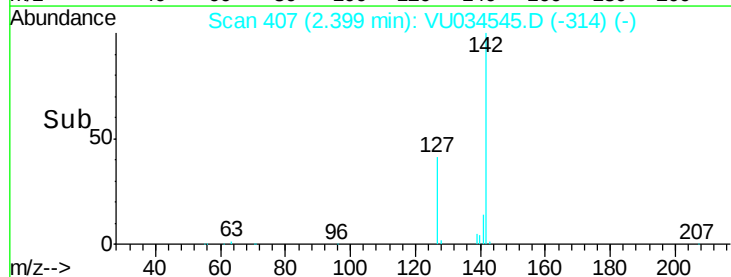
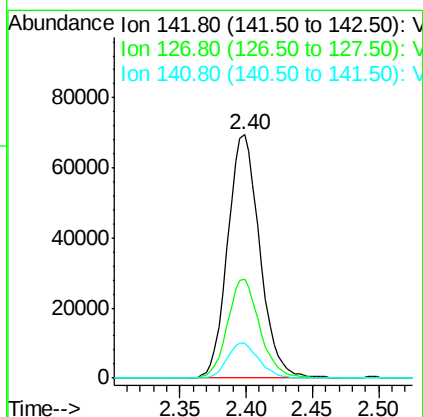
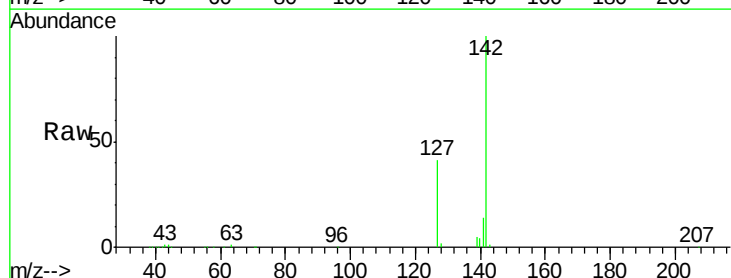
RT: 2.40 min Scan# 407

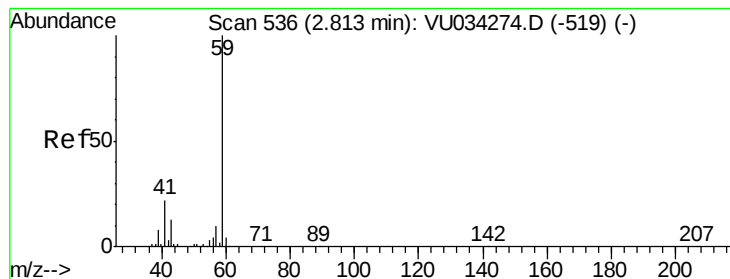
Delta R.T. 0.00 min

Lab File: VU034545.D

Acq: 13 Sep 2019 00:58

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	117089		
127	40.9		32.1	48.1
141	14.2		11.5	17.3





#11

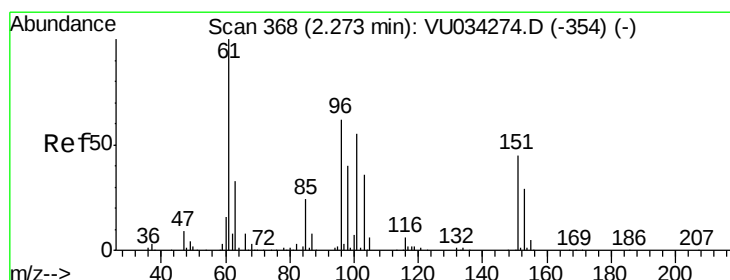
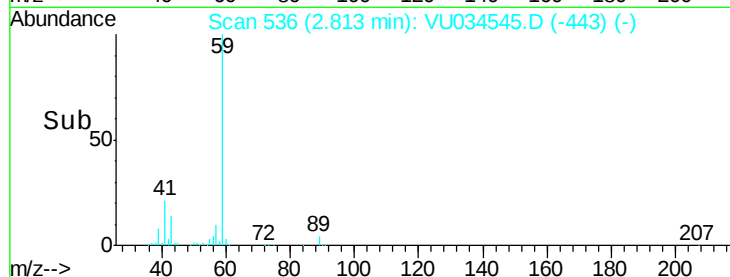
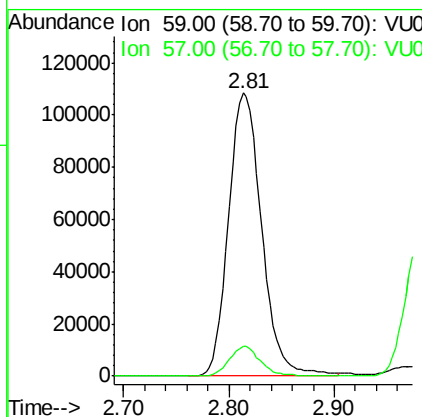
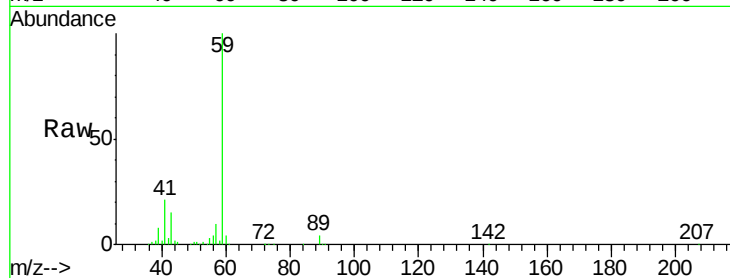
Tert butyl alcohol
 Concen: 319.554 ug/l
 RT: 2.81 min Scan# 536
 Delta R.T. -0.00 min
 Lab File: VU034545.D
 Acq: 13 Sep 2019 00:58

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

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.9	11.9

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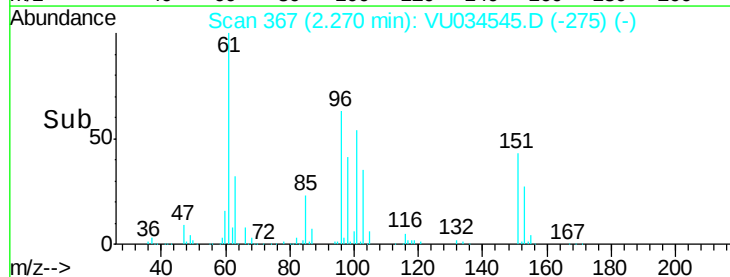
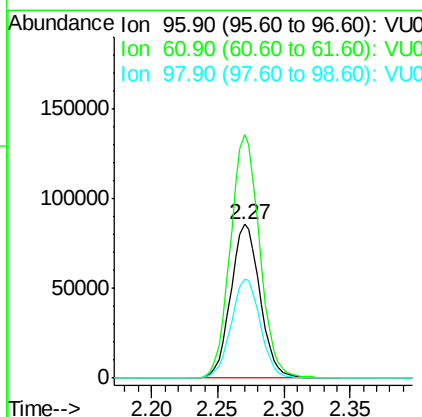
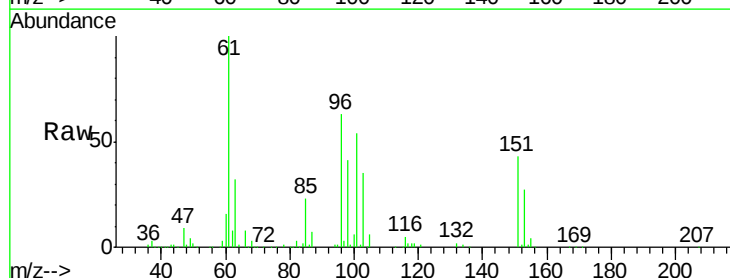
MMDadoda
 9/16/2019 11:15:36 AM

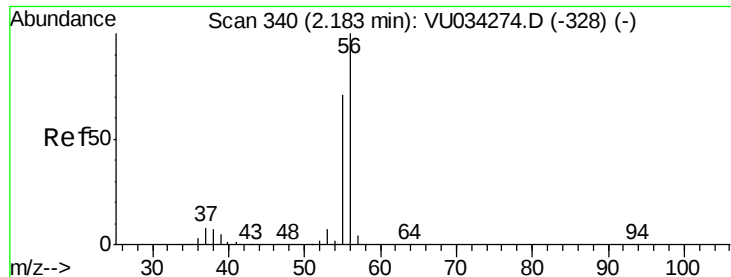


#12

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	Ratio	Lower	Upper
96	100		
61	158.1	130.0	195.0
98	64.5	52.2	78.4





#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

Tot Ion: 56 Resp: 132584

Ion Ratio Lower Upper

56 100

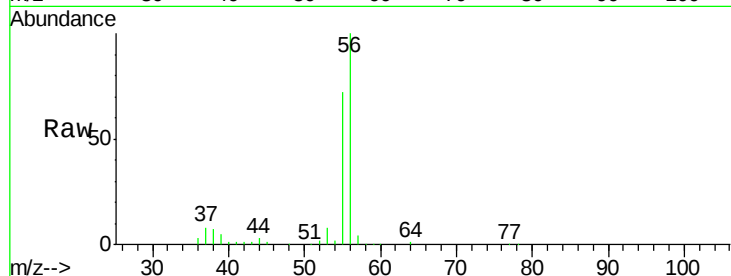
55 71.9 57.4 86.2

Manual Integrations

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

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

2.18

100000

80000

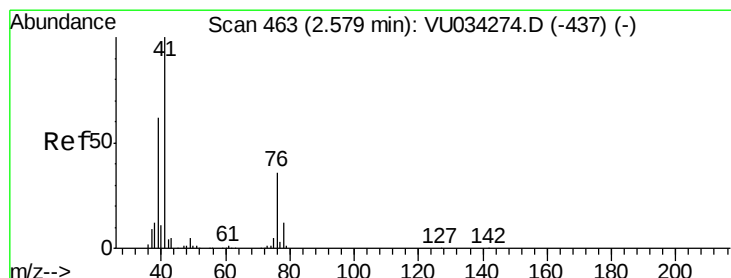
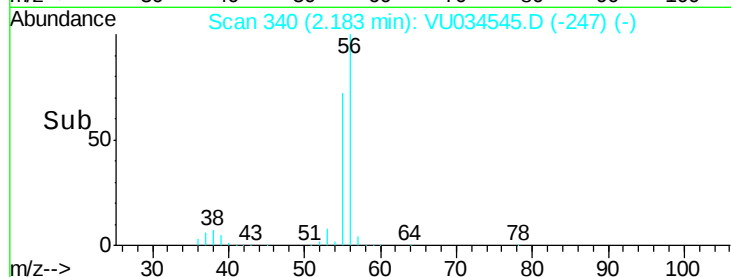
60000

40000

20000

0

Time--> 2.10 2.15 2.20 2.25



#14

Allyl chloride

Concen: 51.239 ug/l m

RT: 2.58 min Scan# 463

Delta R.T. -0.00 min

Lab File: VU034545.D

Acq: 13 Sep 2019 00:58

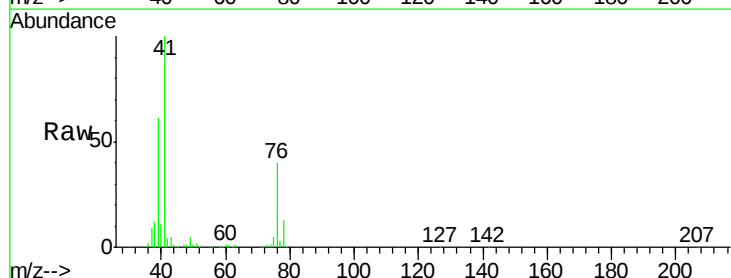
Tgt Ion: 41 Resp: 246694

Ion Ratio Lower Upper

41 100

39 53.8 43.5 65.3

76 33.3 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) (-)

200000

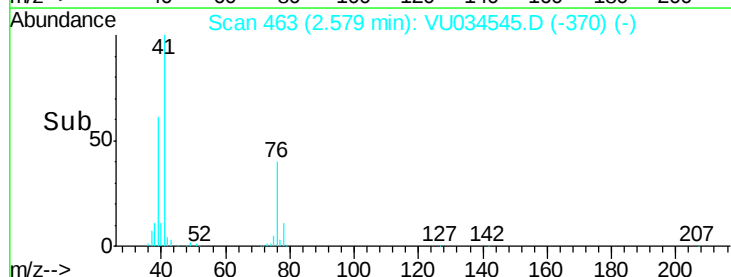
150000

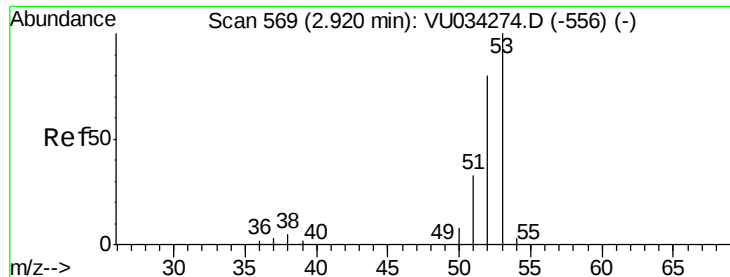
100000

50000

0

Time--> 2.50 2.55 2.60





#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

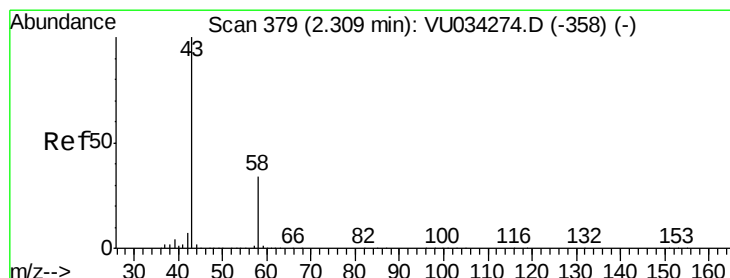
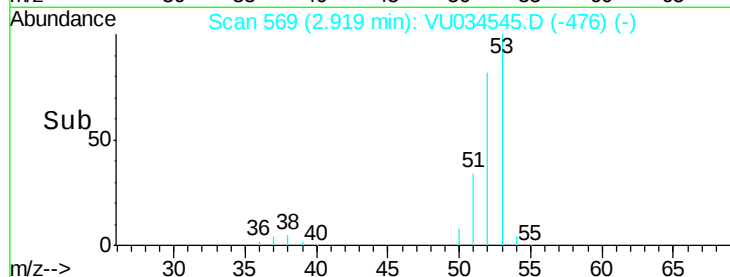
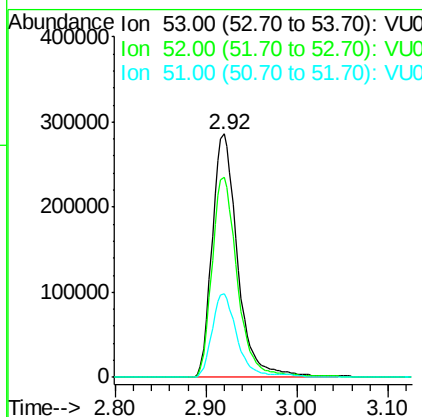
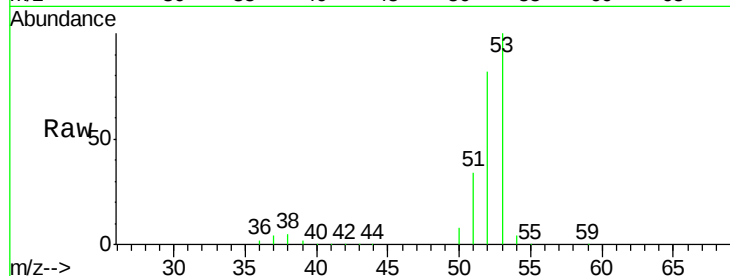
ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

Tot Ion:	53	Resp:	557173
Ion	Ratio	Lower	Upper
53	100		
52	82.1	64.1	96.1
51	33.1	27.4	41.0

Manual Integrations
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#16

Acetone

Concen: 248.605 ug/l

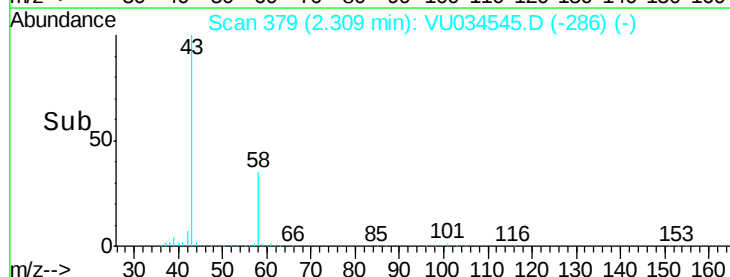
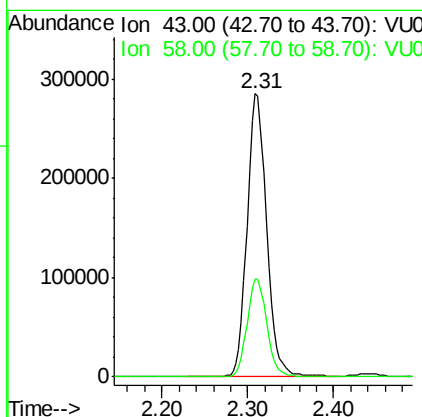
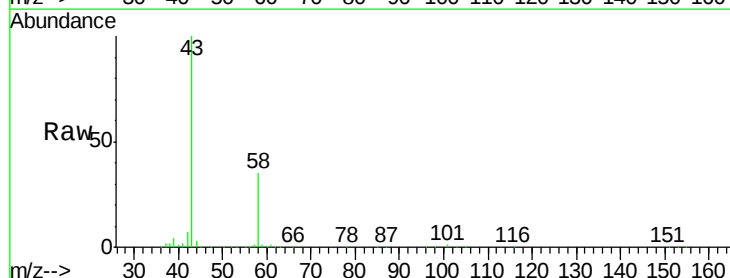
RT: 2.31 min Scan# 379

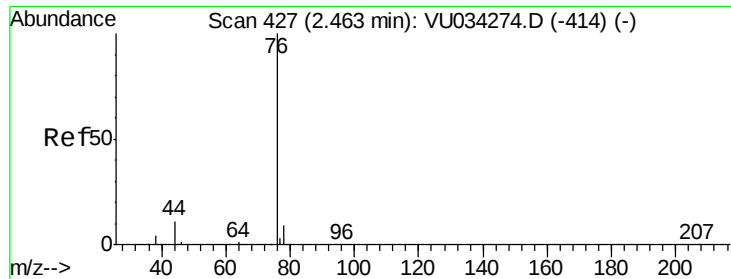
Delta R.T. -0.00 min

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





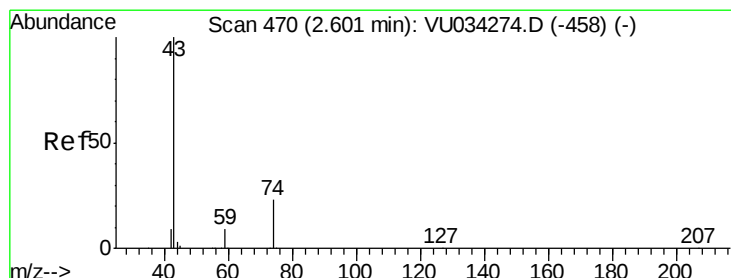
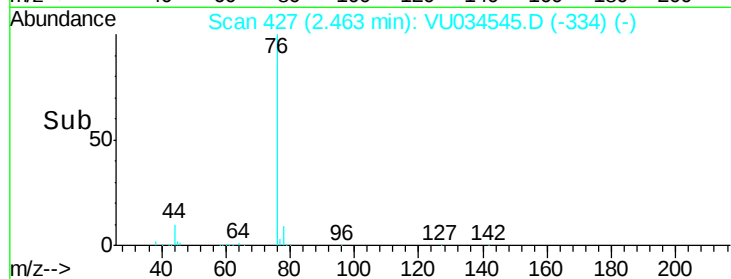
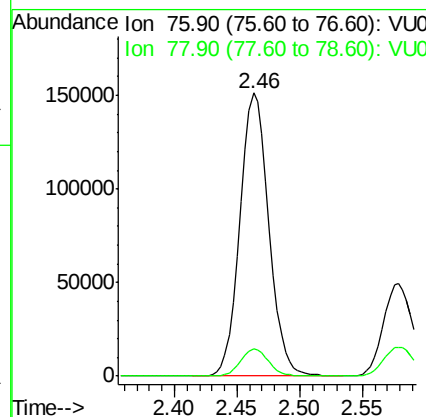
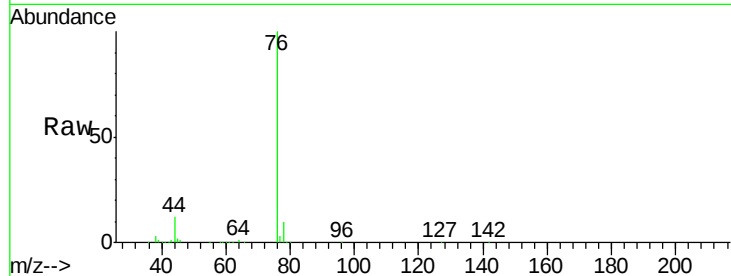
#17
Carbon Disulfide
Concen: 42.933 ug/l
RT: 2.46 min Scan# 427
Delta R.T. -0.00 min
Lab File: VU034545.D
Acq: 13 Sep 2019 00:58

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

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.2	10.8

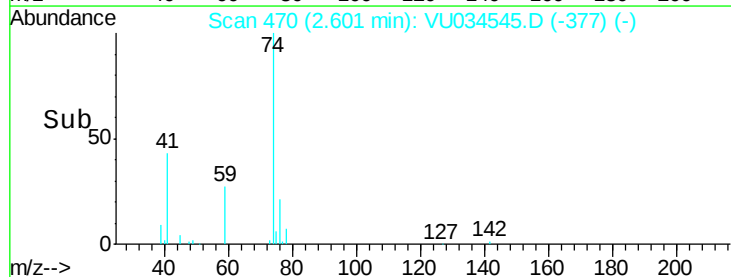
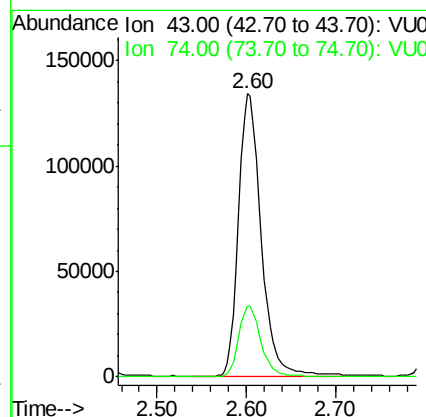
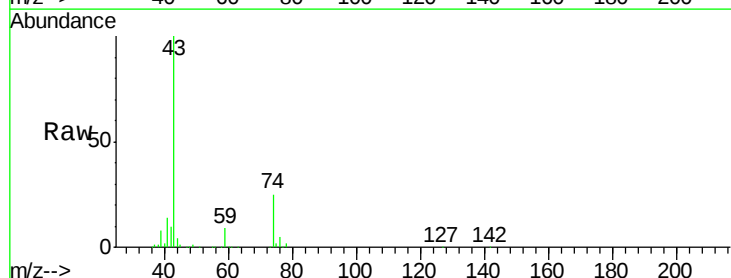
Manual Integrations
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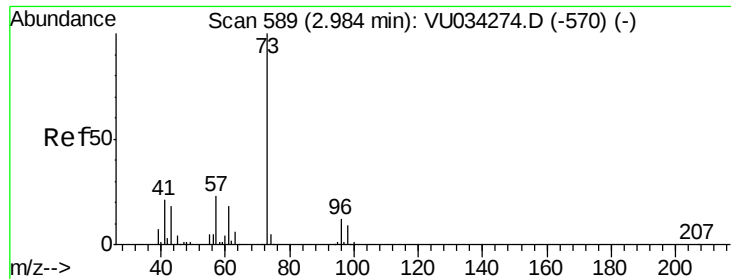
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#18
Methyl Acetate
Concen: 53.461 ug/l
RT: 2.60 min Scan# 470
Delta R.T. -0.00 min
Lab File: VU034545.D
Acq: 13 Sep 2019 00:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.0	18.9	28.3





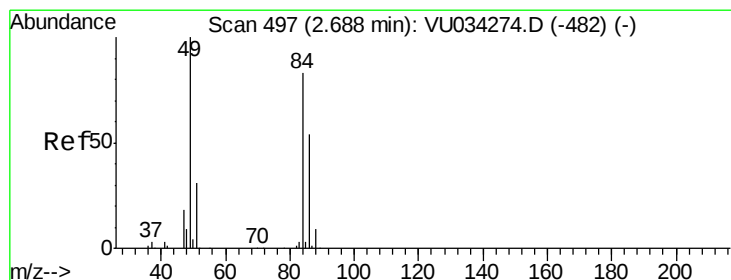
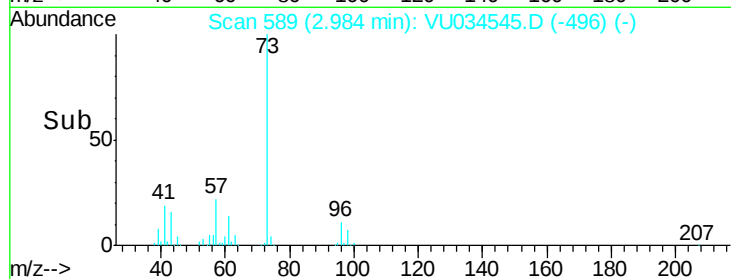
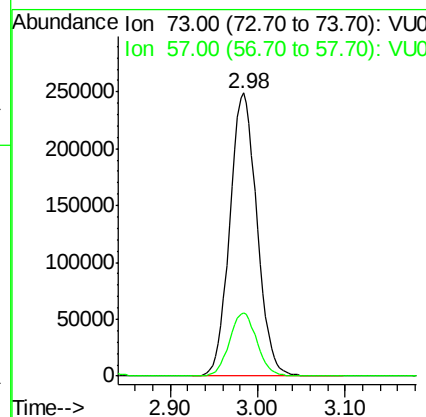
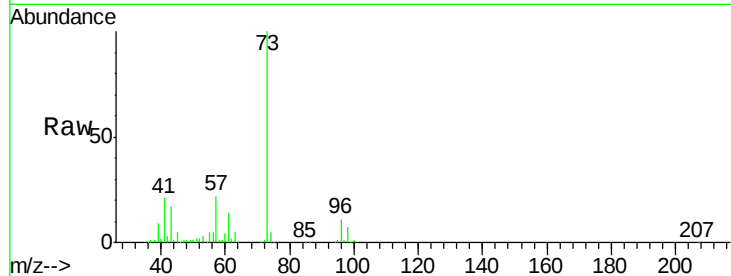
#19
Methvl tert-butvl Ether
Concen: 58.444 ug/l
RT: 2.98 min Scan# 589
Delta R.T. -0.00 min
Lab File: VU034545.D
Acq: 13 Sep 2019 00:58

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

Tot Ion: 73 Resp: 536472
Ion Ratio Lower Upper
73 100
57 22.4 18.2 27.4

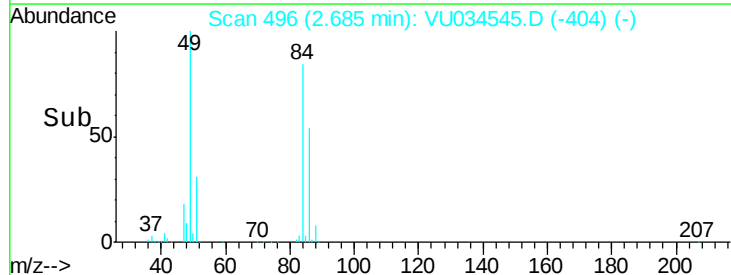
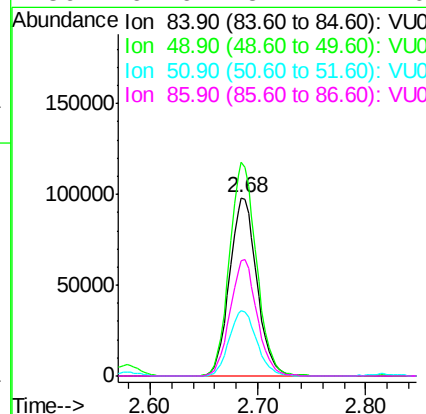
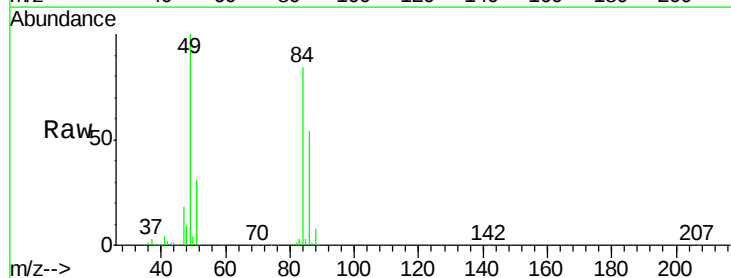
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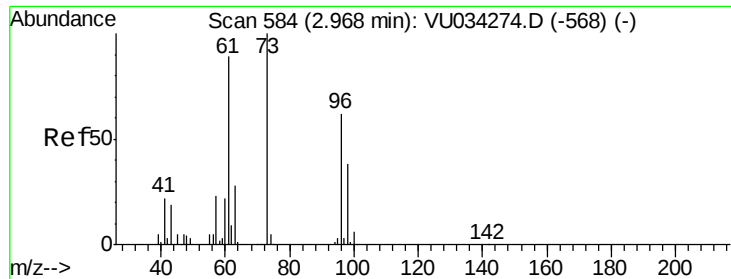
MMDadoda
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#20
Methylene Chloride
Concen: 58.380 ug/l
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU034545.D
Acq: 13 Sep 2019 00:58

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





#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

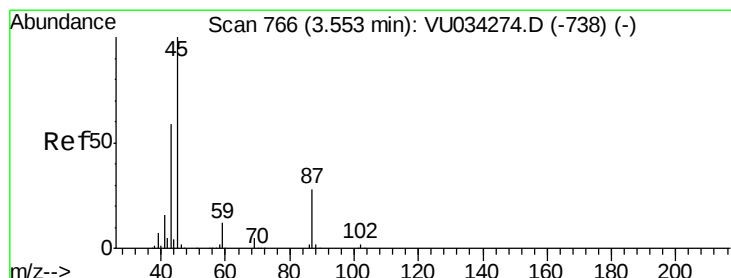
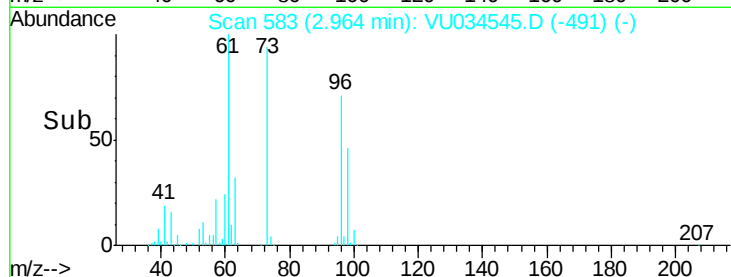
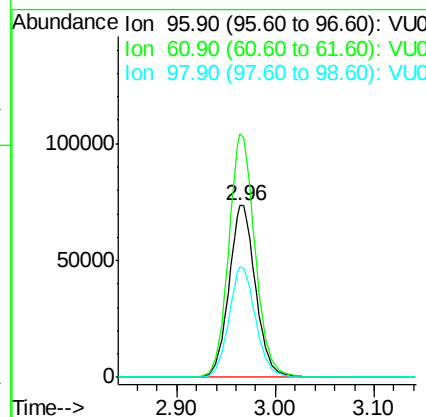
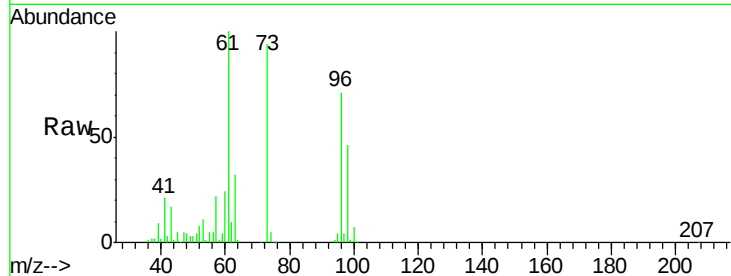
ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

Tot Ion:	96	Resp:	138646
Ion	Ratio	Lower	Upper
96	100		
61	141.7	114.8	172.2
98	64.7	49.8	74.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 57.905 ug/l

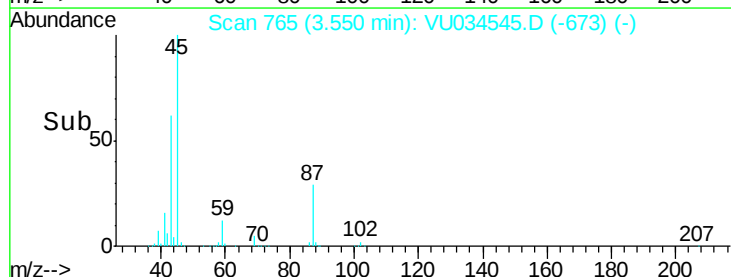
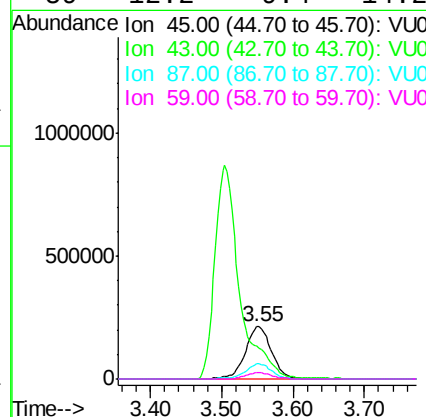
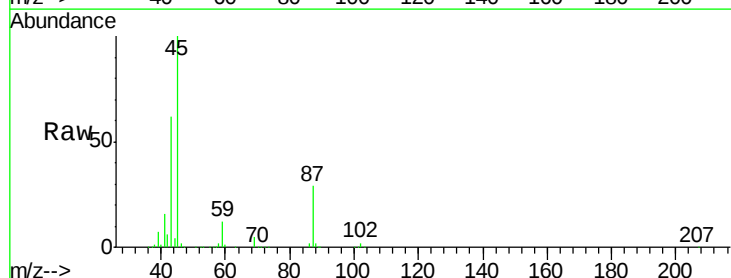
RT: 3.55 min Scan# 765

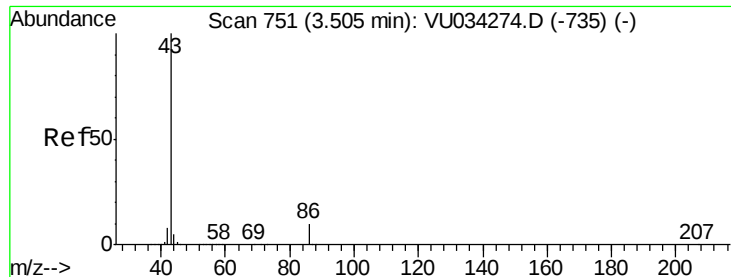
Delta R.T. -0.00 min

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





#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

Tot Ion: 43 Resp: 2086193

Ion Ratio Lower Upper

43 100

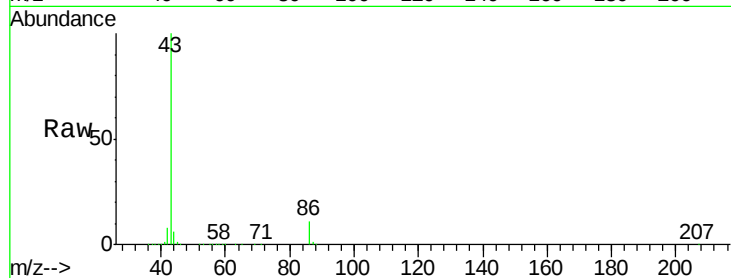
86 10.9 8.3 12.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

1000000

800000

600000

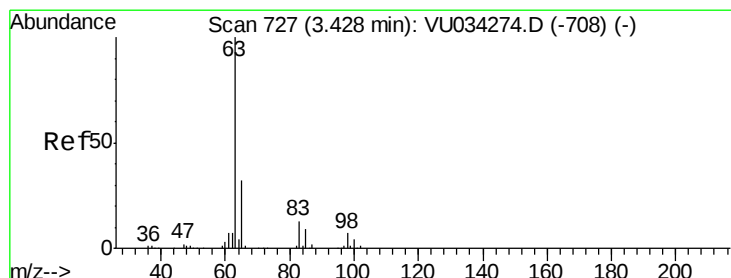
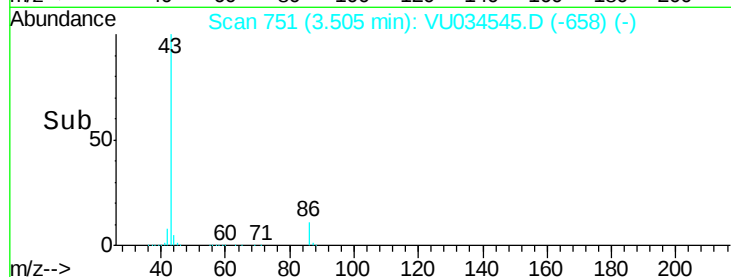
400000

200000

0

3.40 3.50 3.60 3.70

Time-->



#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

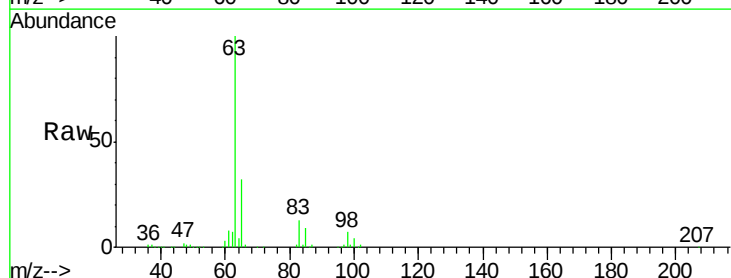
Tgt Ion: 63 Resp: 306079

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): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

150000

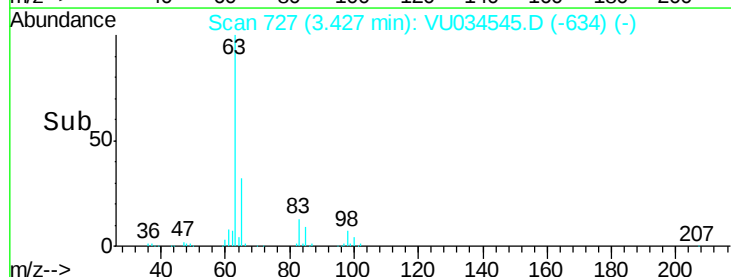
100000

50000

0

3.30 3.40 3.50

Time-->





#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

Tot Ion: 43 Resp: 720252

Ion Ratio Lower Upper

43 100

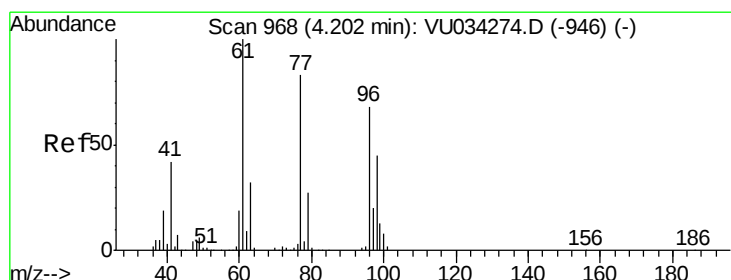
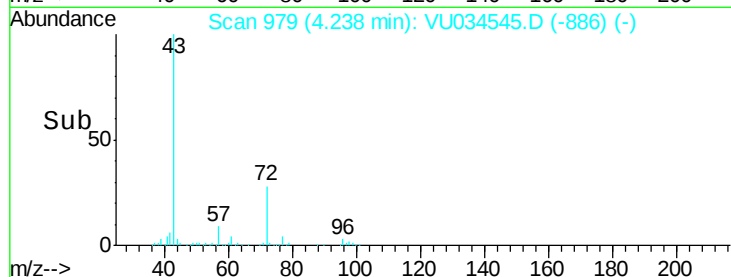
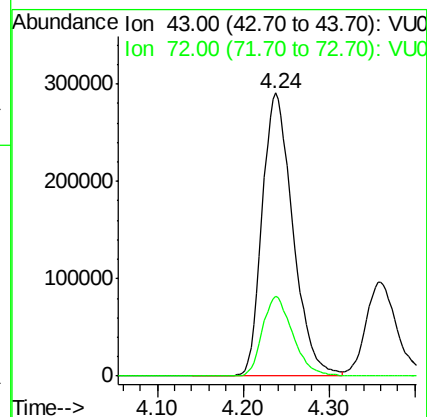
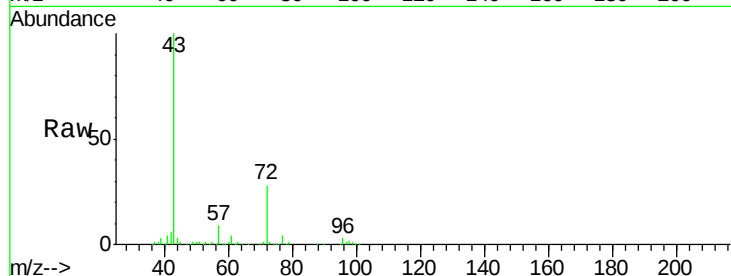
72 28.2 21.8 32.6

Manual Integrations

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MMDadoda

9/16/2019 11:15:36 AM



#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

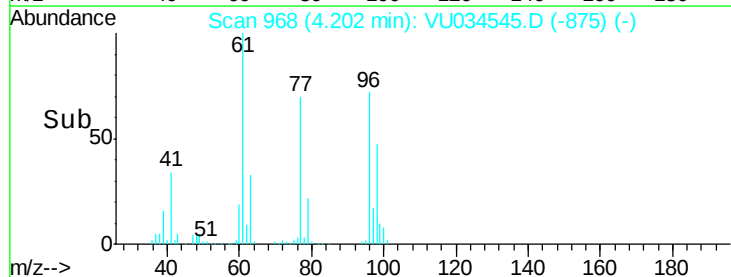
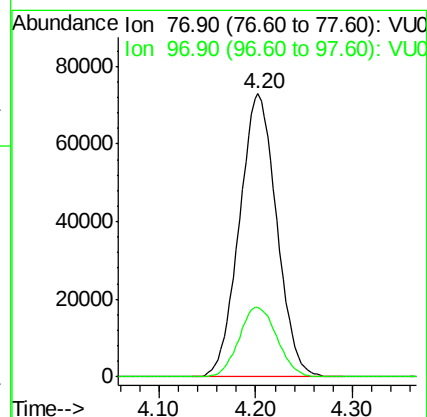
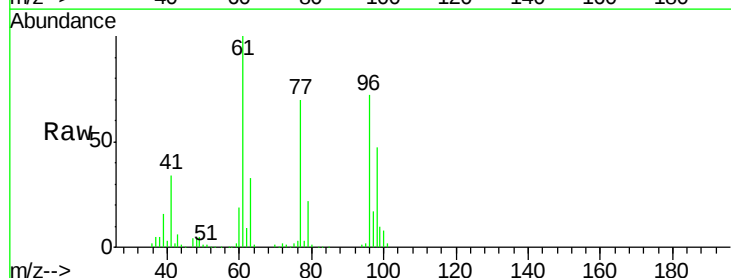
Acq: 13 Sep 2019 00:58

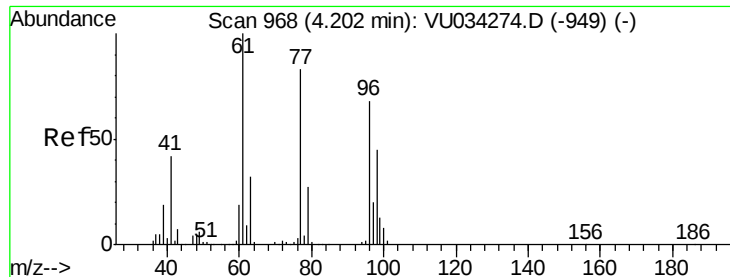
Tgt Ion: 77 Resp: 195443

Ion Ratio Lower Upper

77 100

97 25.0 11.8 35.3





#27

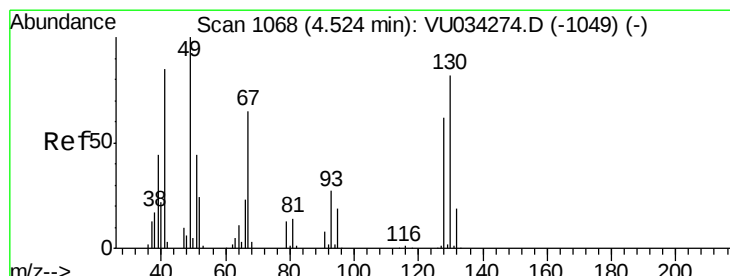
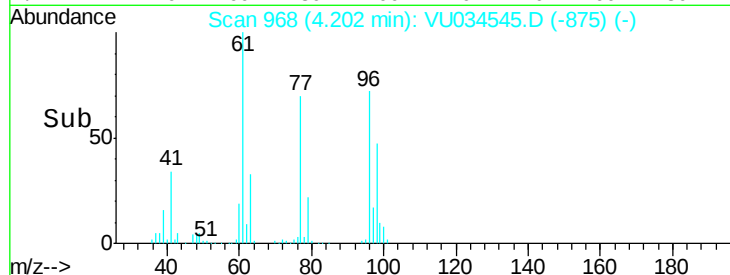
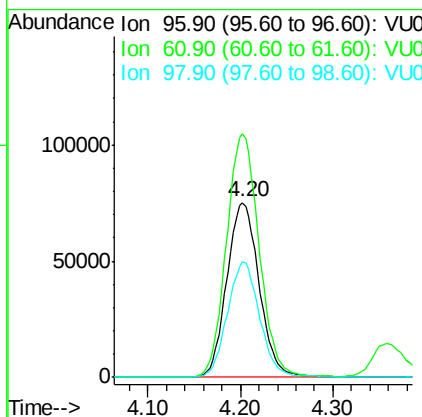
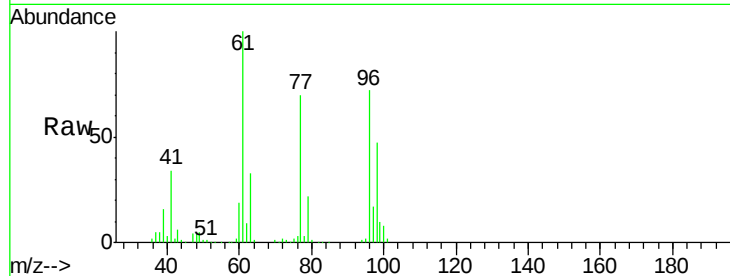
cis-1,2-Dichloroethene
 Concen: 56.404 ug/l
 RT: 4.20 min Scan# 968
 Delta R.T. -0.00 min
 Lab File: VU034545.D
 Acq: 13 Sep 2019 00:58

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

Tot Ion	Ratio	Resp	Lower	Upper
96	100	181799		
61	140.9	0.0	297.4	
98	65.8	0.0	130.0	

Manual Integrations
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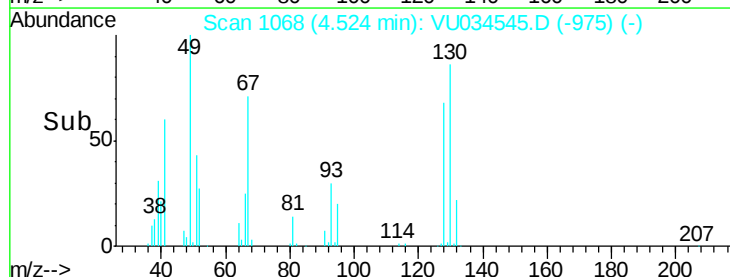
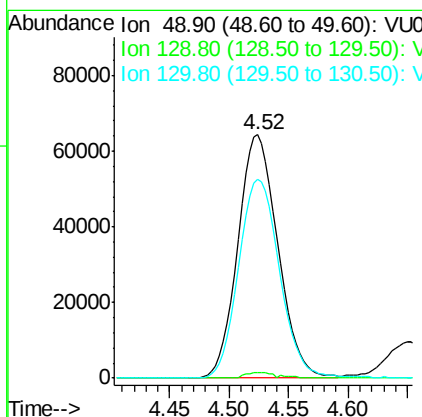
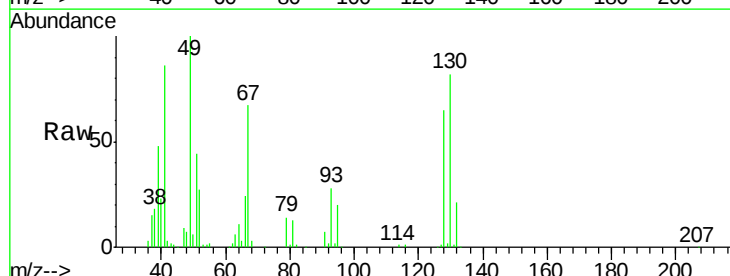
MMDadoda
 9/16/2019 11:15:36 AM

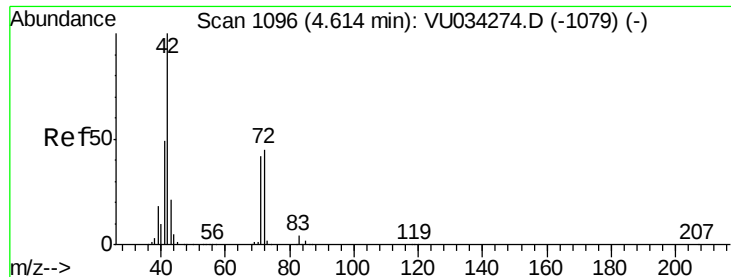


#28

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	Ratio	Resp	Lower	Upper
49	100	149886		
129	1.4	0.0	3.8	
130	83.8	65.2	97.8	





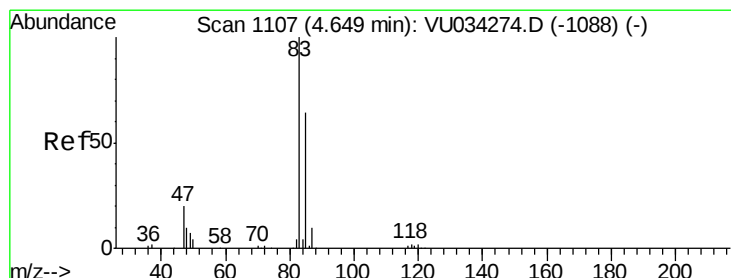
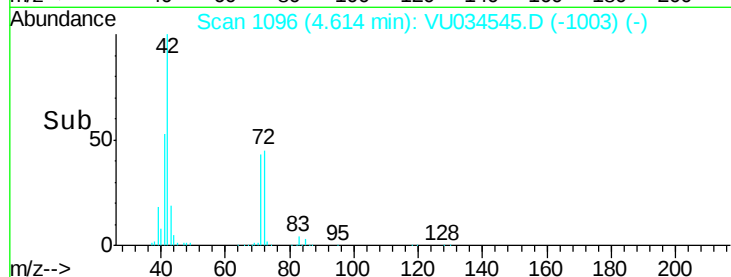
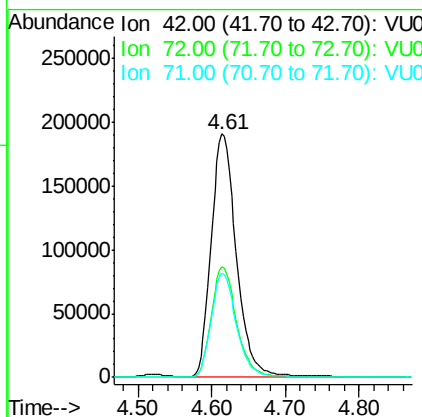
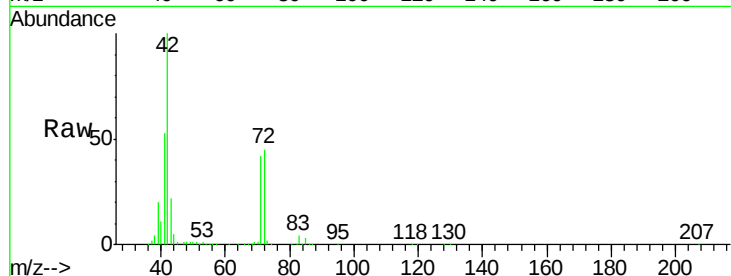
#29
Tetrahydrofuran
Concen: 307.202 ug/l
RT: 4.61 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VU034545.D
Acq: 13 Sep 2019 00:58

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

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.7	36.6	54.8
71	43.1	34.3	51.5

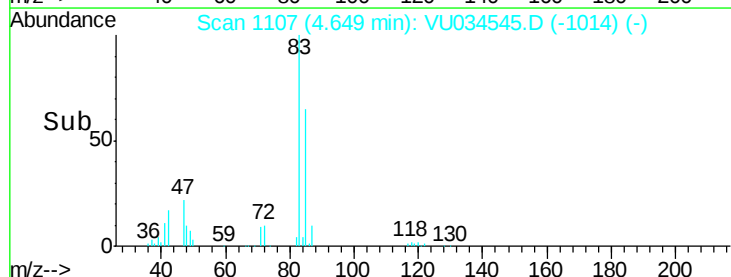
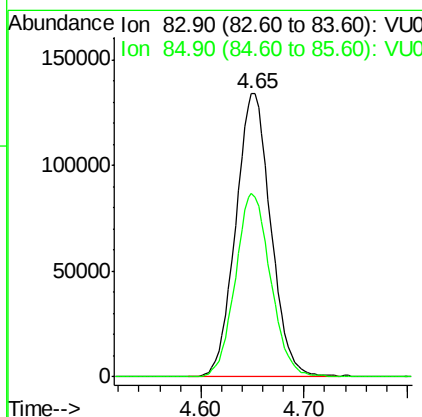
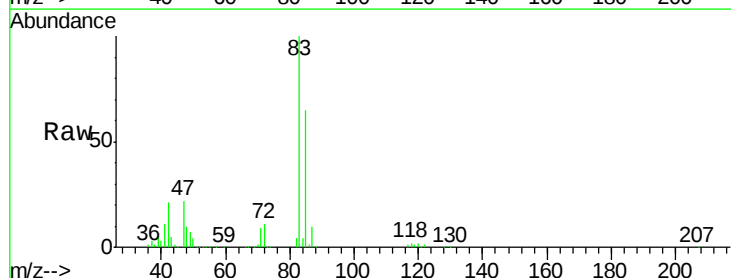
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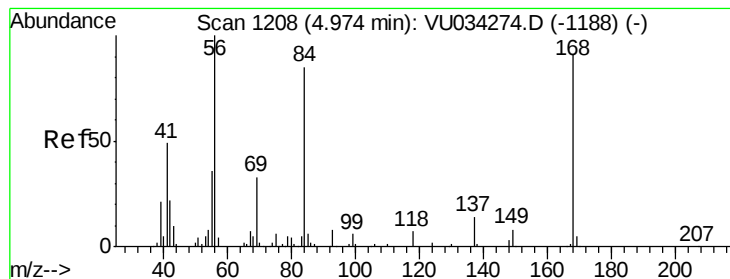
MMDadoda
9/16/2019 11:15:36 AM



#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	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

Tot Ion: 56 Resp: 196217

Ion Ratio Lower Upper

56 100

69 33.0 26.7 40.1

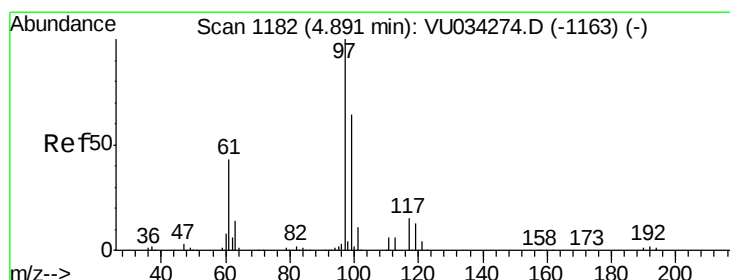
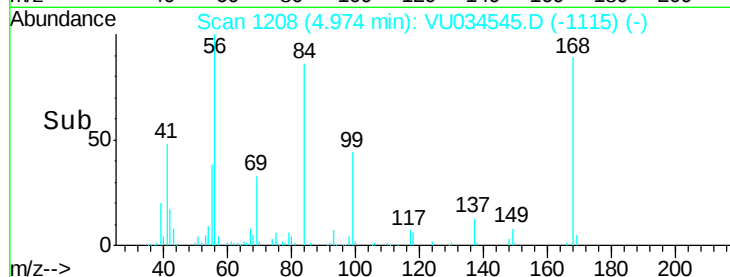
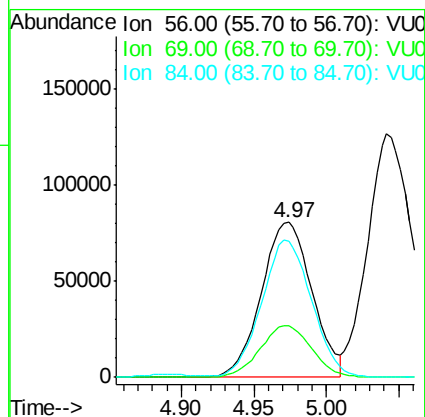
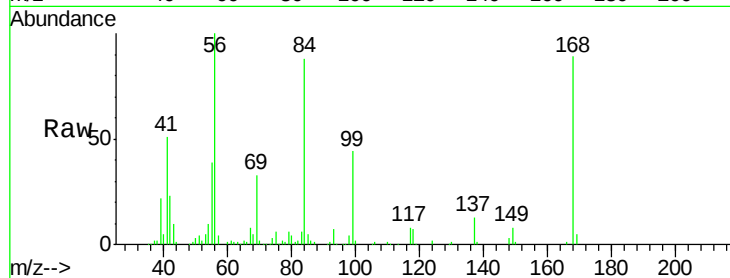
84 86.5 68.2 102.4

Manual Integrations

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#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

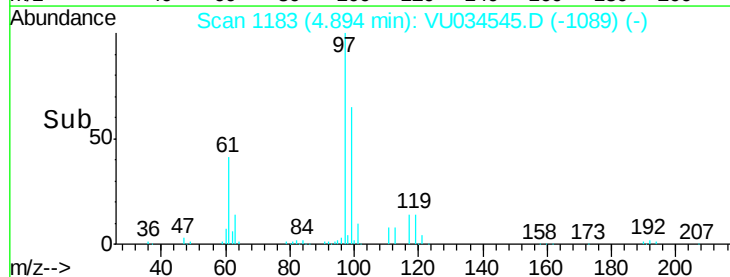
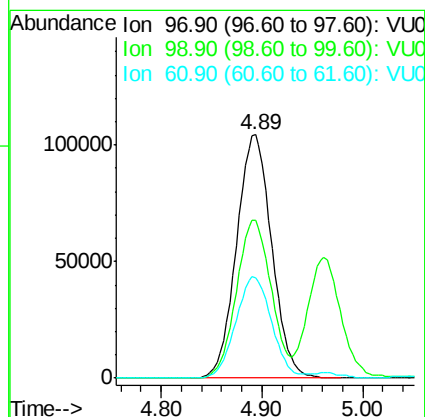
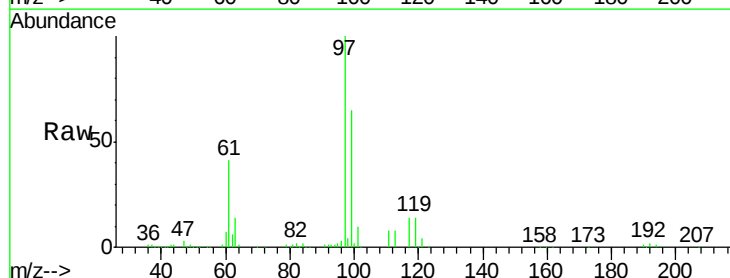
Tgt Ion: 97 Resp: 252405

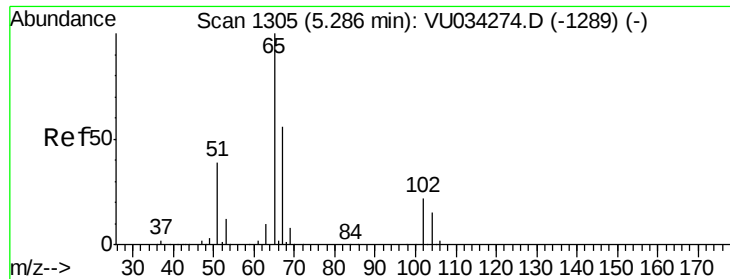
Ion Ratio Lower Upper

97 100

99 64.5 50.9 76.3

61 43.1 34.7 52.1





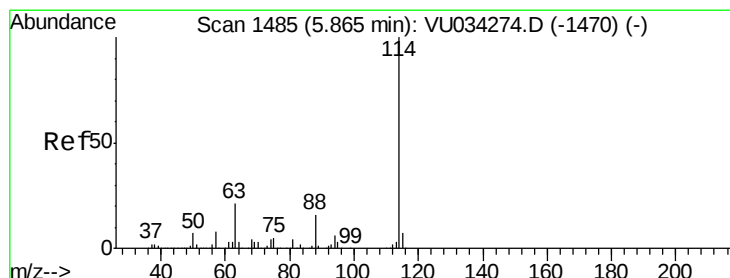
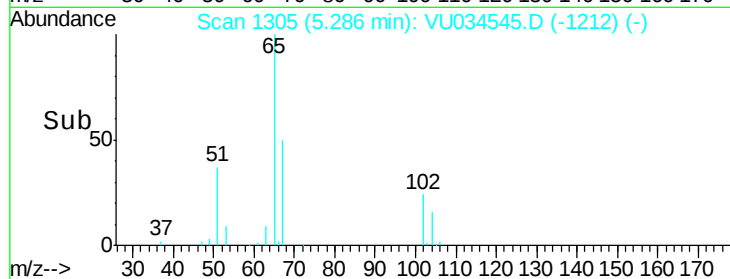
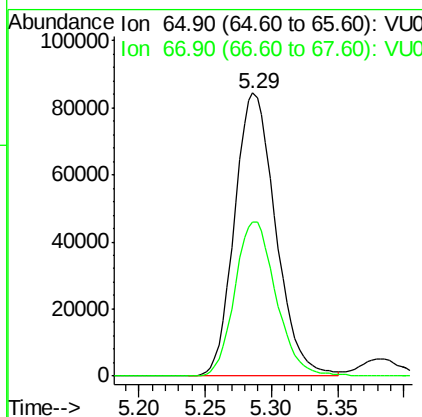
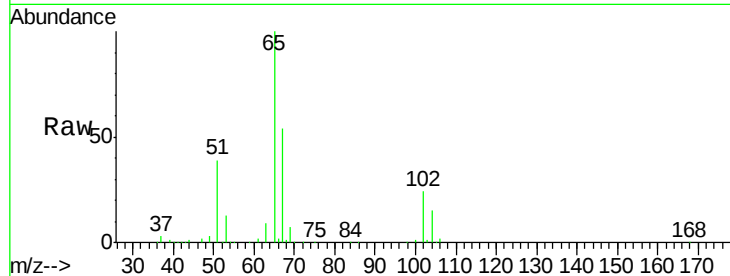
#33
 1,2-Dichloroethane-d4
 Concen: 51.951 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. -0.00 min
 Lab File: VU034545.D
 Acq: 13 Sep 2019 00:58

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

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.9	0.0	112.4

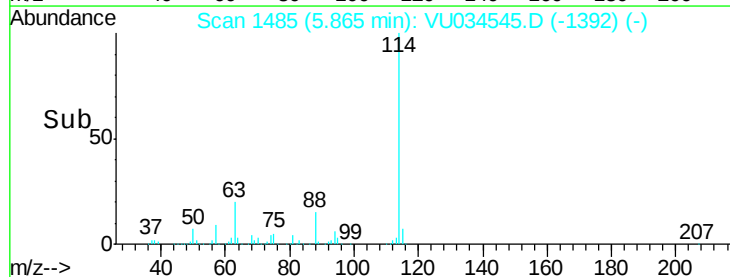
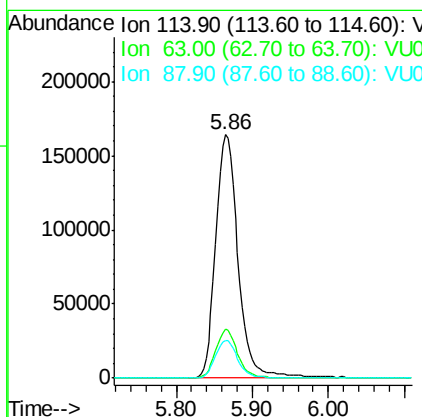
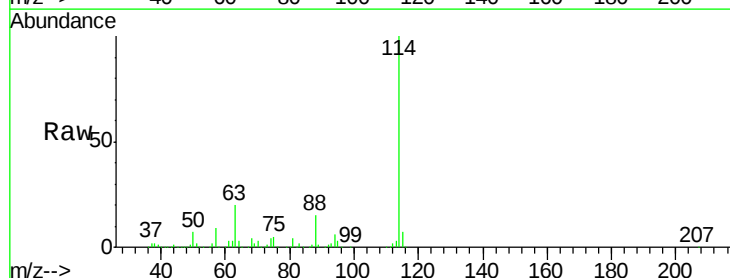
Manual Integrations
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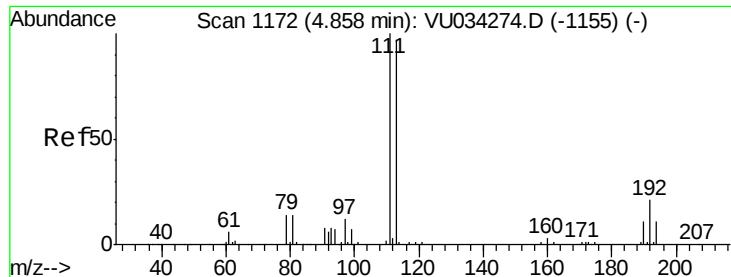
MMDadoda
 9/16/2019 11:15:36 AM



#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	Ratio	Lower	Upper
114	100		
63	19.9	0.0	42.4
88	15.5	0.0	32.4





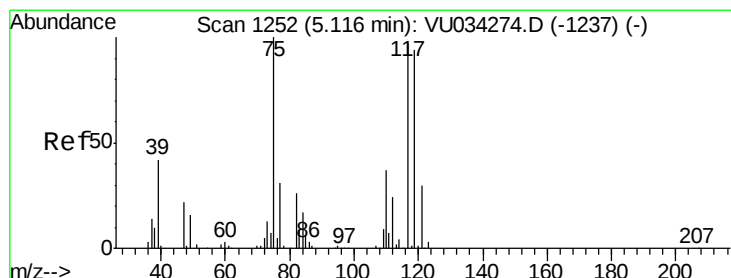
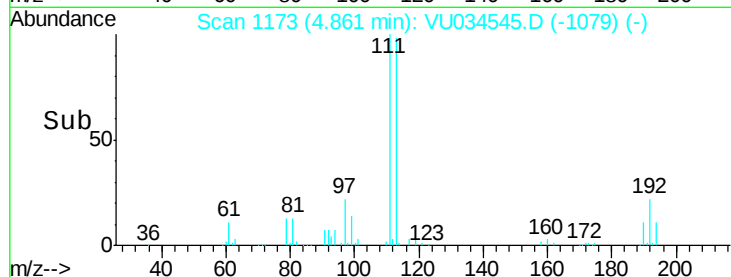
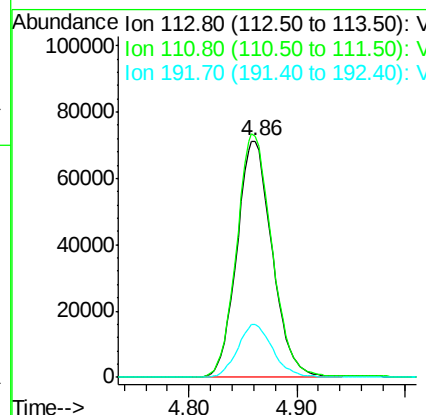
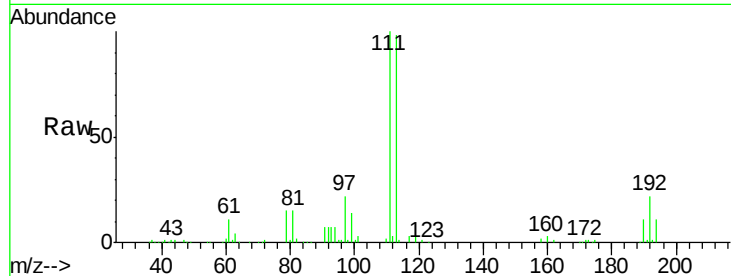
#35
 Dibromofluoromethane
 Concen: 51.880 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034545.D
 Acq: 13 Sep 2019 00:58

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

Tot Ion	Ratio	Resp	Lower	Upper
113	100	162598		
111	103.1	81.5	122.3	
192	22.4	17.8	26.8	

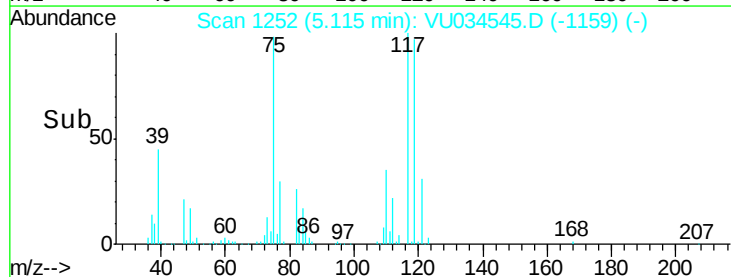
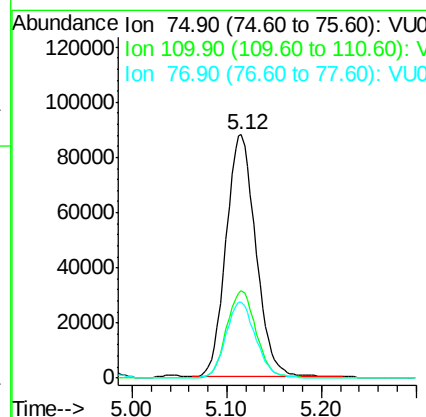
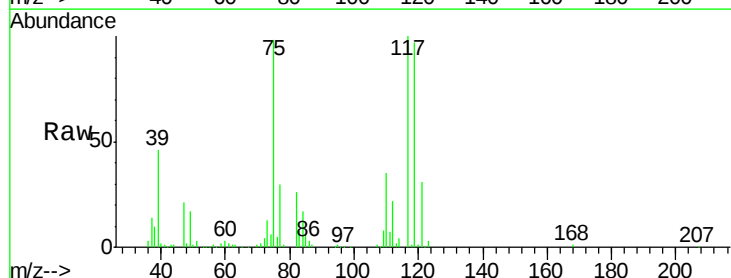
Manual Integrations
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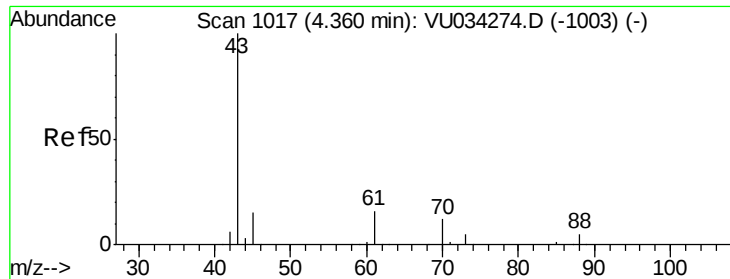
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 52.636 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: VU034545.D
 Acq: 13 Sep 2019 00:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	192272		
110	36.0	18.3	54.9	
77	31.0	24.9	37.3	





#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

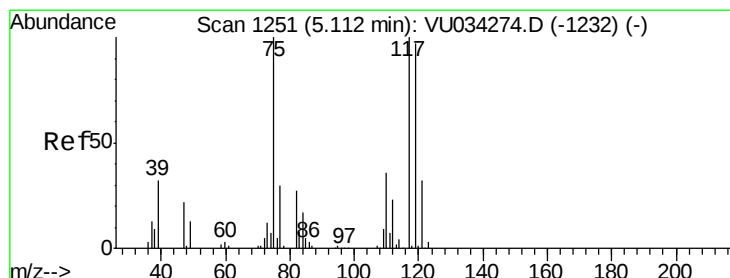
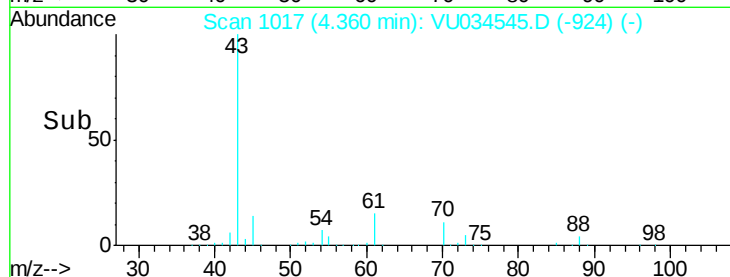
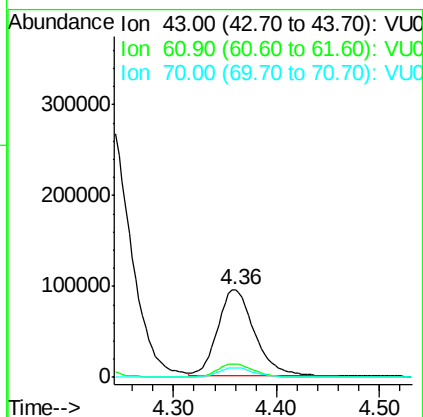
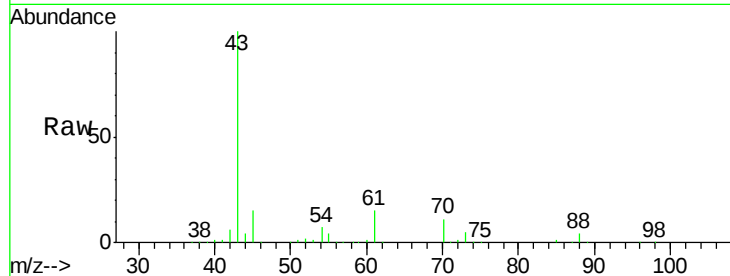
ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

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

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#38

Carbon Tetrachloride

Concen: 54.757 ug/l

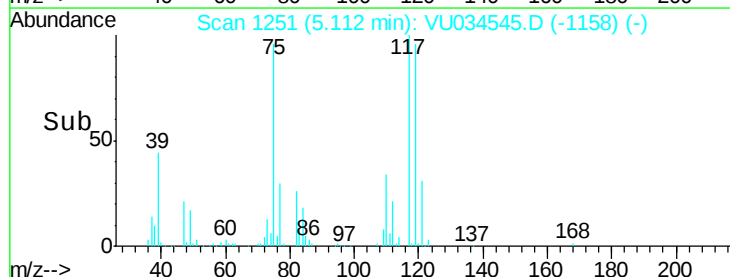
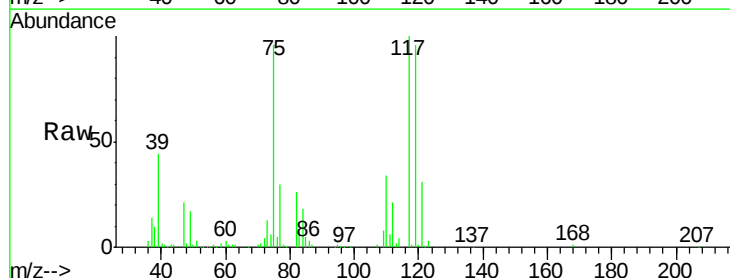
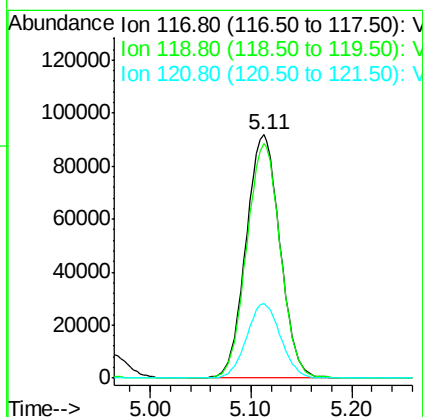
RT: 5.11 min Scan# 1251

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





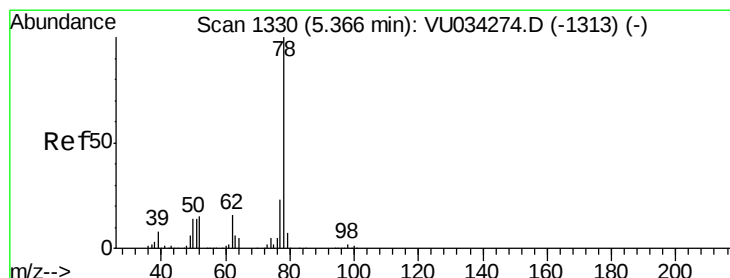
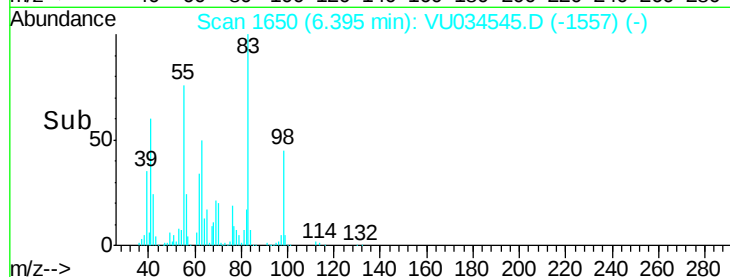
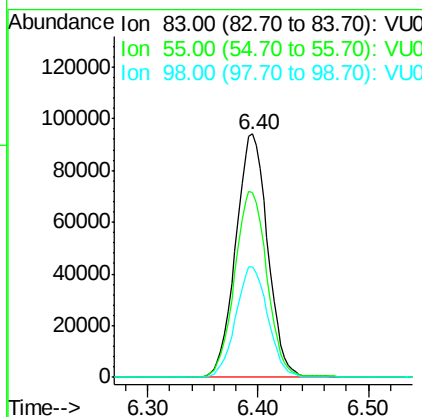
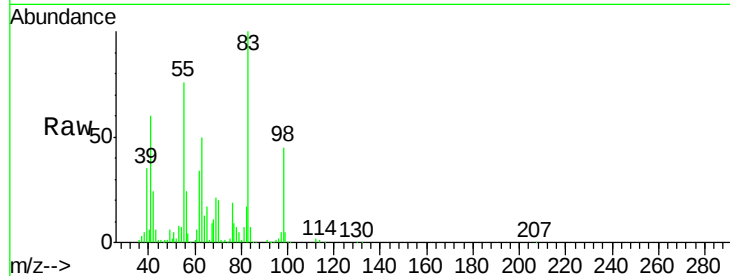
#39
Methvlcvclohexane
Concen: 48.402 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VU034545.D
Acq: 13 Sep 2019 00:58

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

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.0	62.1	93.1
98	45.4	37.0	55.6

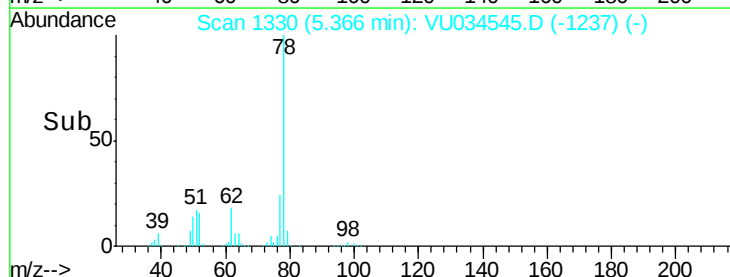
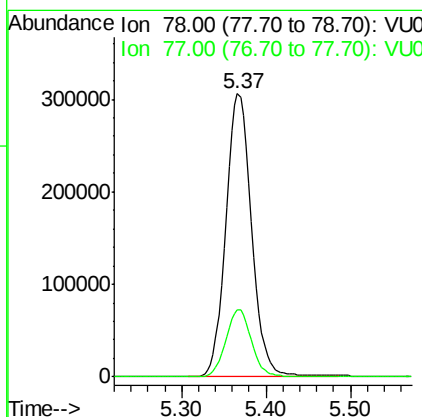
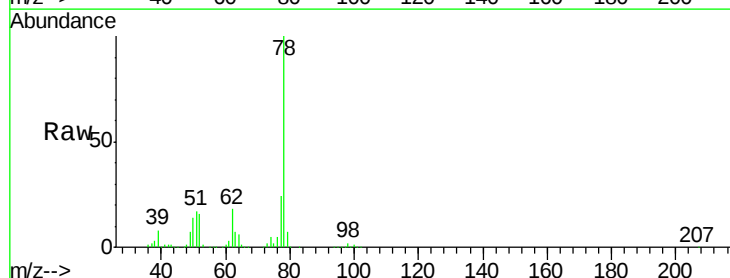
Manual Integrations
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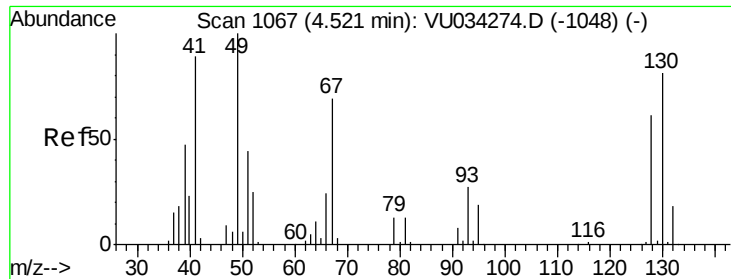
MMDadoda
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#40
Benzene
Concen: 55.234 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VU034545.D
Acq: 13 Sep 2019 00:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.7	28.1





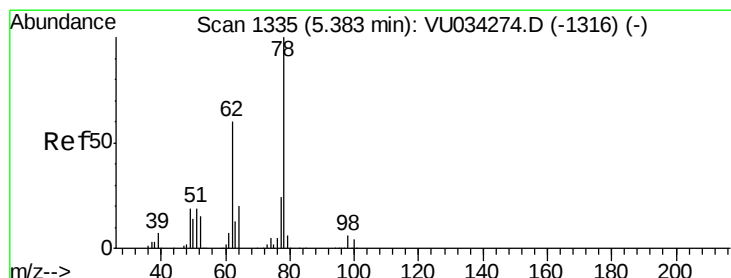
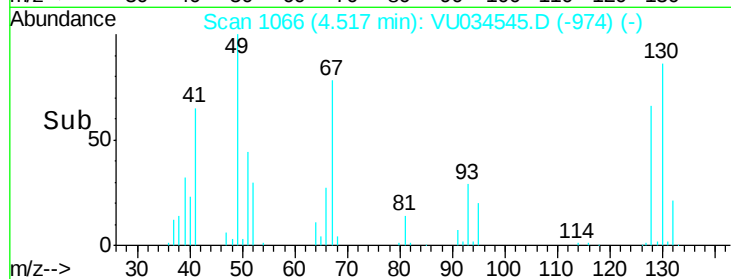
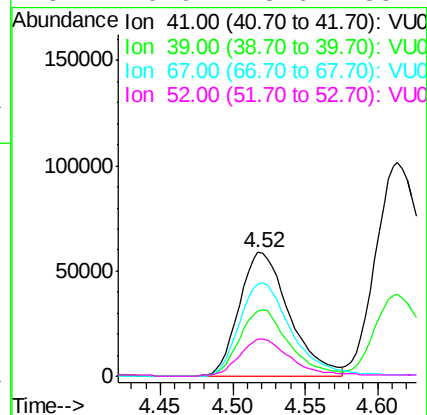
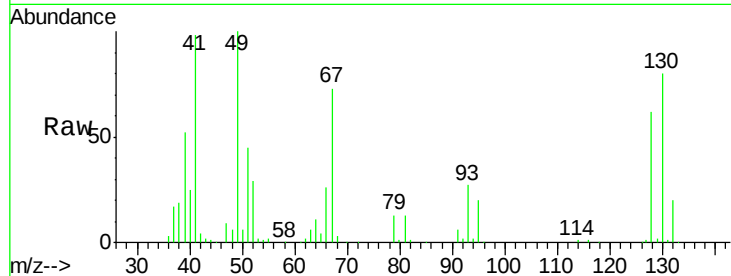
#41
Methacrylonitrile
Concen: 61.160 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VU034545.D
Acq: 13 Sep 2019 00:58

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

Tot Ion	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	

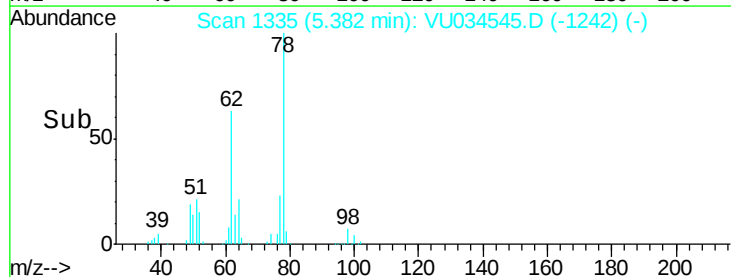
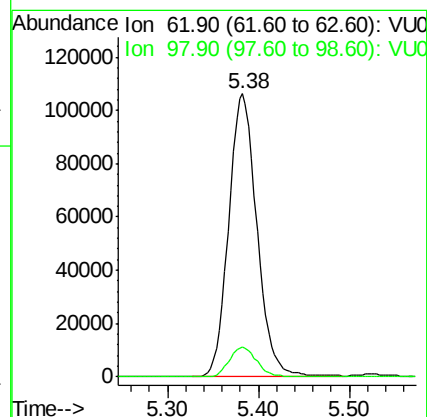
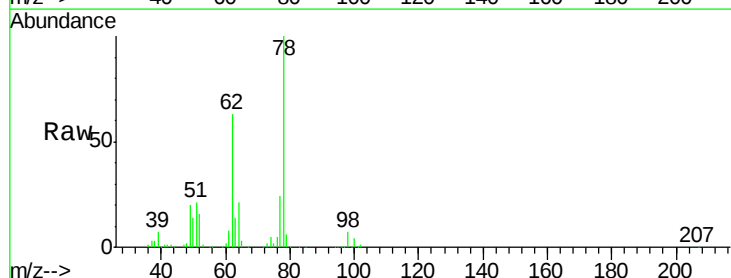
Manual Integrations
APPROVED

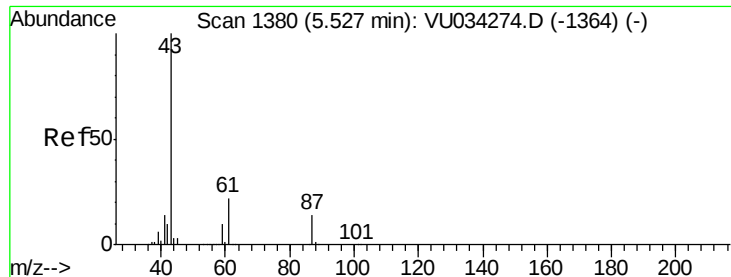
MMDadoda
9/16/2019 11:15:36 AM



#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	Ion	Ratio	Lower	Upper
62	100			
98	10.2	0.0	20.0	





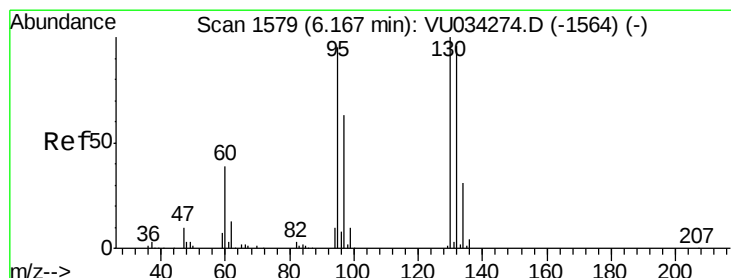
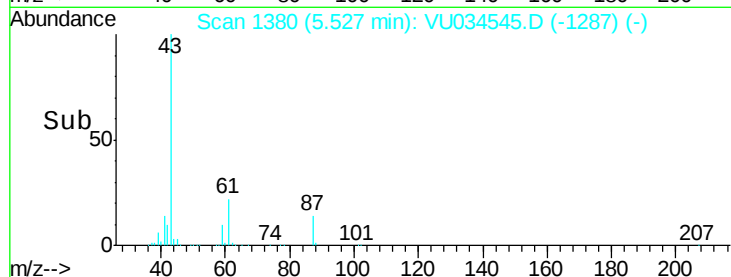
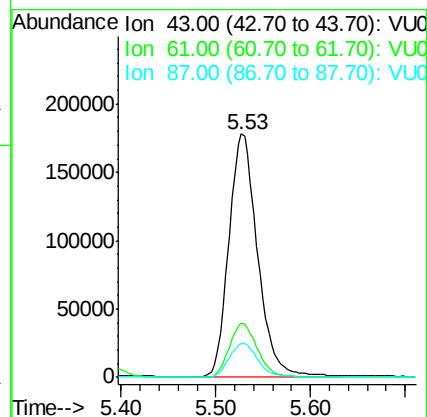
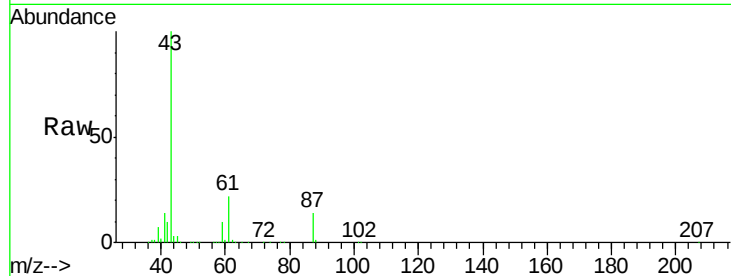
#43
Isopropyl Acetate
Concen: 55.572 ug/l
RT: 5.53 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VU034545.D
Acq: 13 Sep 2019 00:58

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.9	17.1	25.7
87	14.0	11.1	16.7

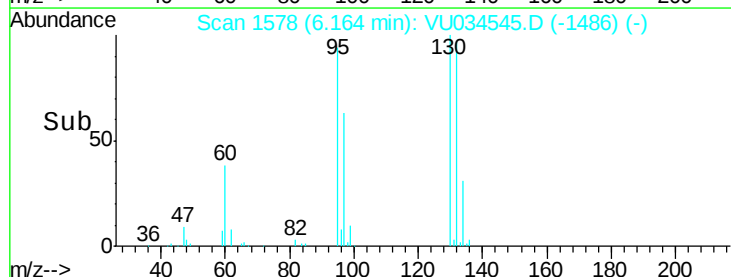
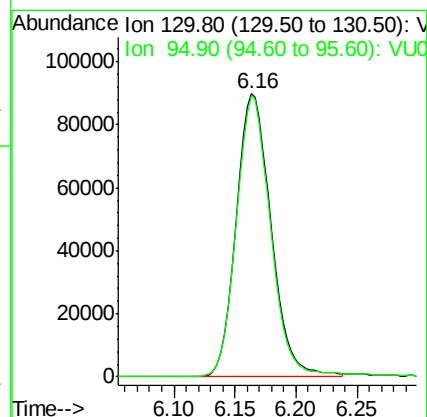
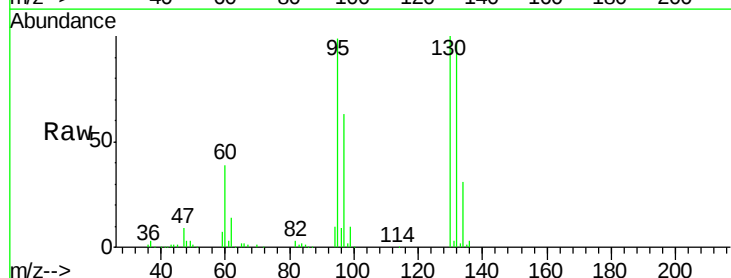
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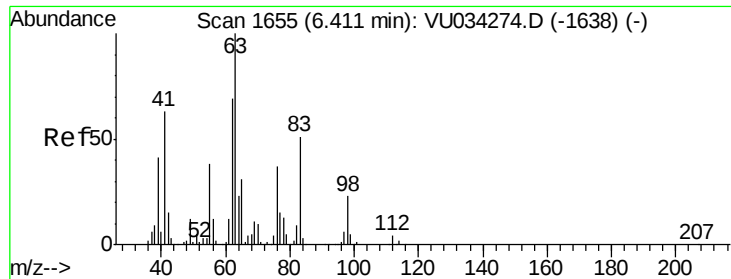
MMDadoda
9/16/2019 11:15:36 AM



#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	Ratio	Lower	Upper
130	100		
95	99.2	0.0	189.2





#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

Tot Ion: 63 Resp: 193534

Ion Ratio Lower Upper

63 100

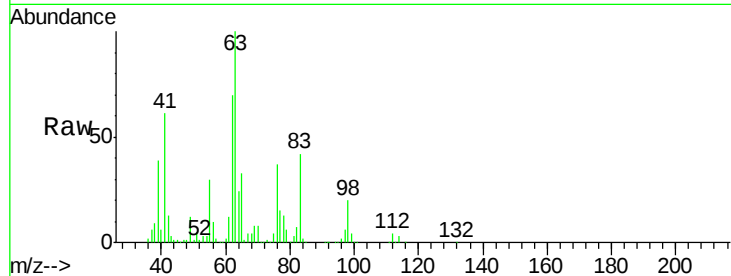
65 32.6 24.6 37.0

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

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

6.41

100000

80000

60000

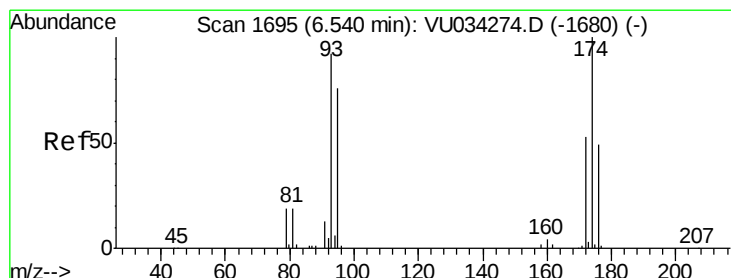
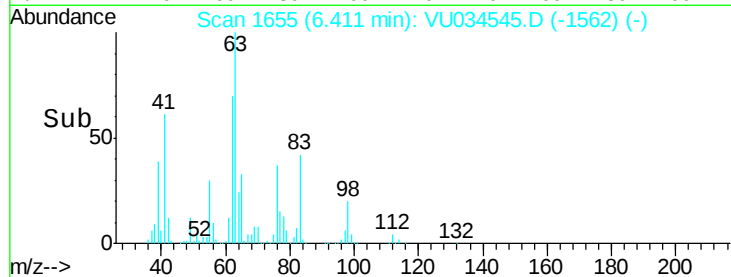
40000

20000

0

6.30 6.40 6.50

Time-->



#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

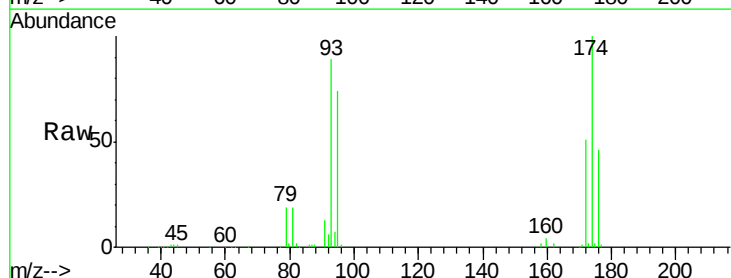
Tgt Ion: 93 Resp: 122684

Ion Ratio Lower Upper

93 100

95 84.4 66.5 99.7

174 111.9 87.8 131.6



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

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

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

6.54

100000

80000

60000

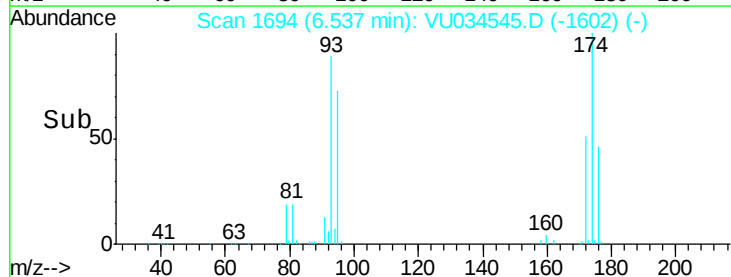
40000

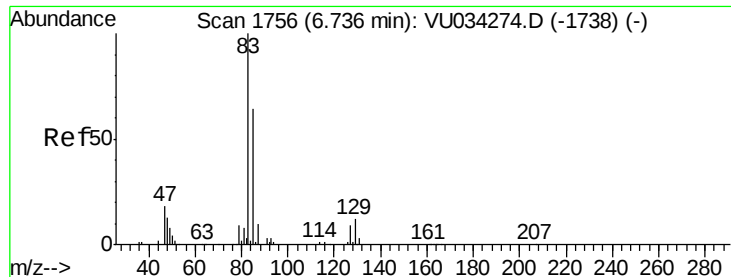
20000

0

6.45 6.50 6.55 6.60 6.65

Time-->





#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

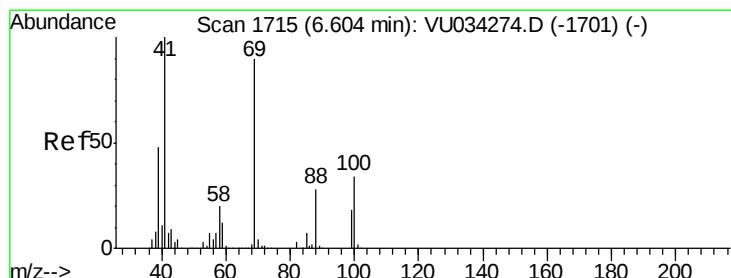
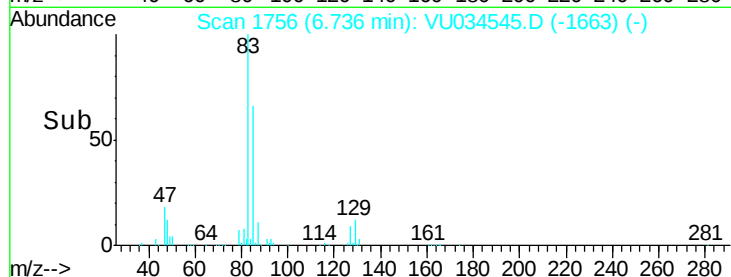
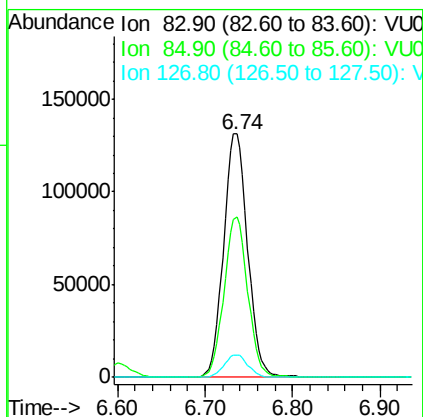
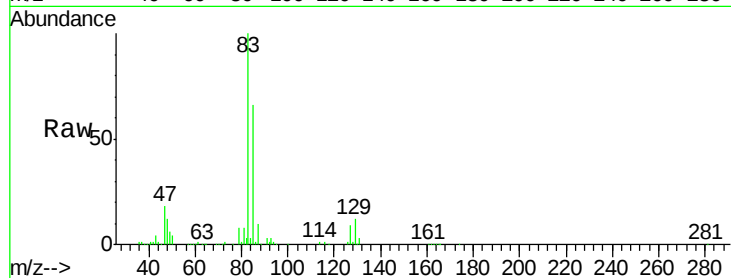
ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

Tot Ion:	83	Resp:	250780
Ion Ratio	Lower	Upper	
83	100		
85	65.6	51.1	76.7
127	9.3	7.2	10.8

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#48

Methyl methacrylate

Concen: 57.098 ug/l

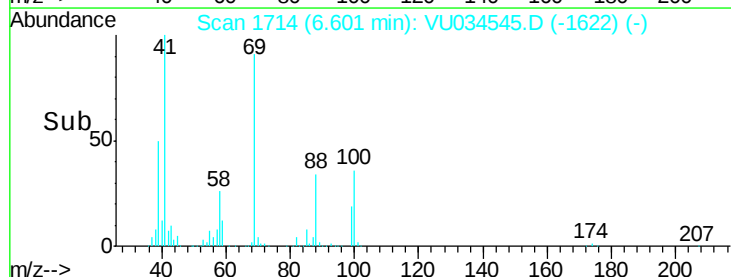
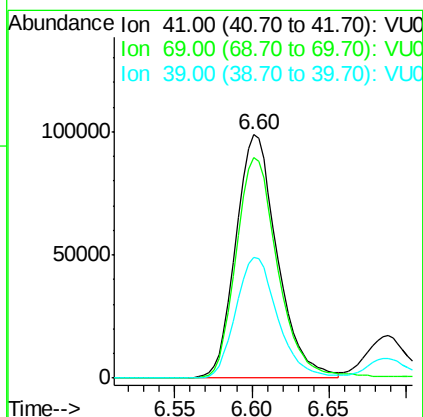
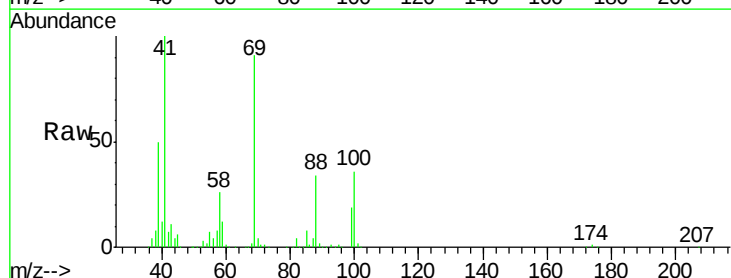
RT: 6.60 min Scan# 1714

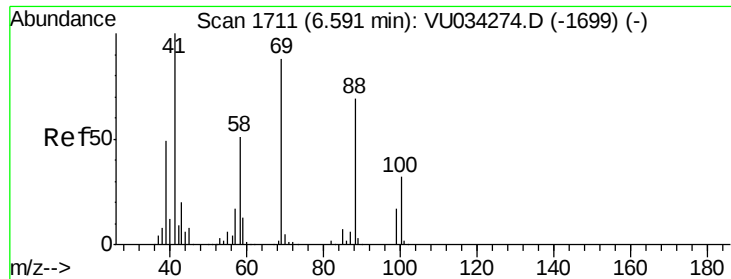
Delta R.T. -0.00 min

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





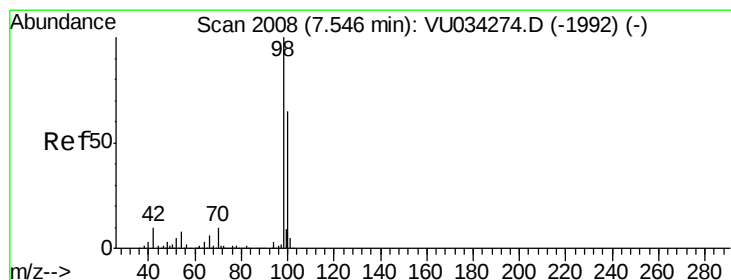
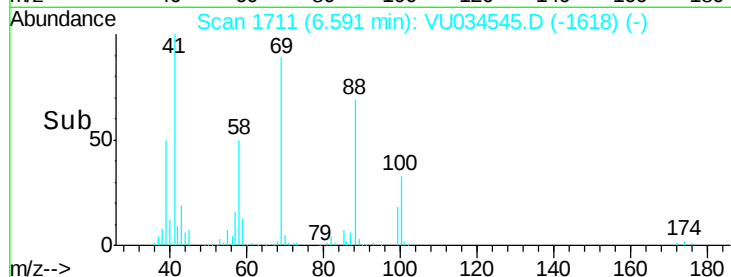
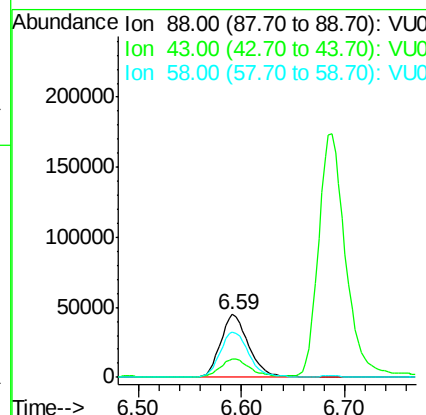
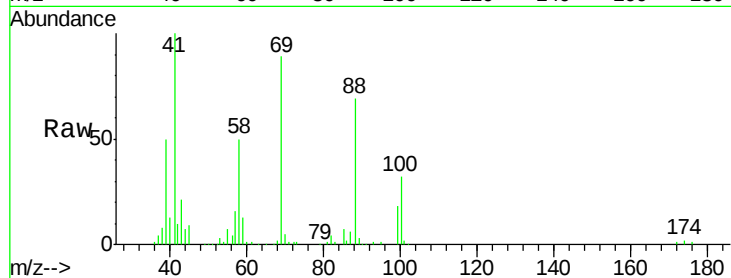
#49
1,4-Dioxane
Concen: 1211.120 ug/l
RT: 6.59 min Scan# 1711
Delta R.T. -0.00 min
Lab File: VU034545.D
Acq: 13 Sep 2019 00:58

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

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.1	23.8	35.6
58	74.5	58.4	87.6

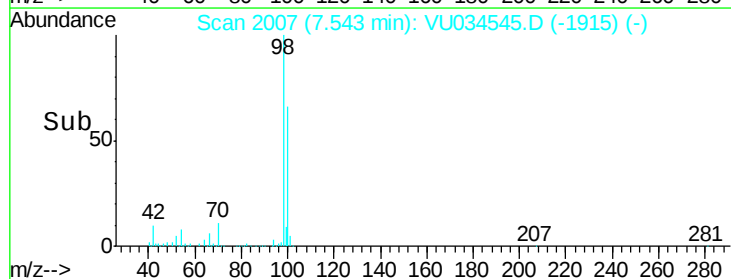
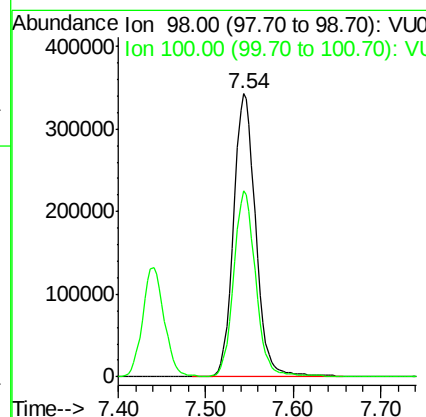
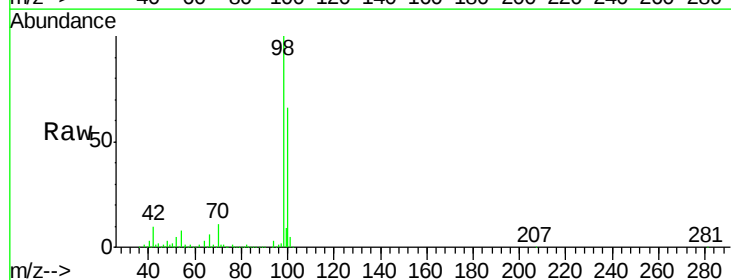
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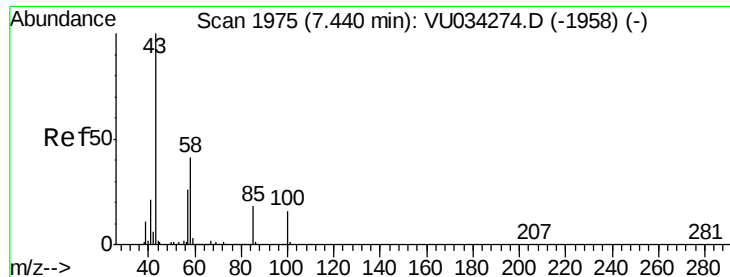
MMDadoda
9/16/2019 11:15:36 AM



#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	Ratio	Lower	Upper
98	100		
100	64.9	51.7	77.5





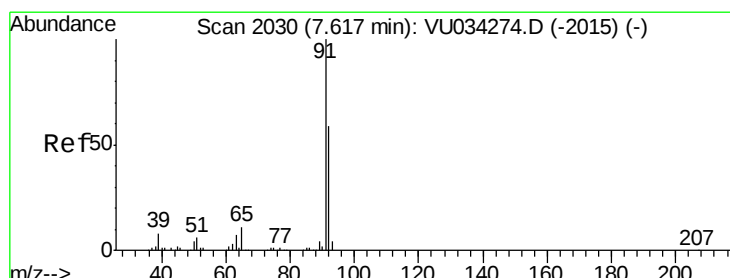
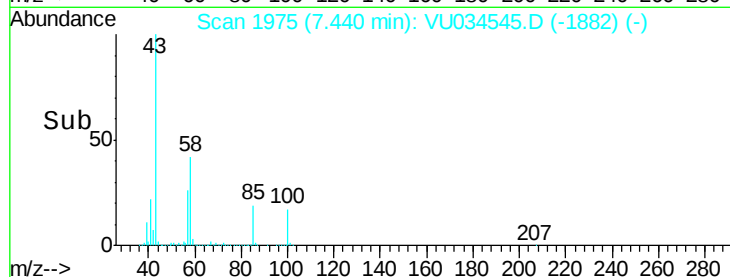
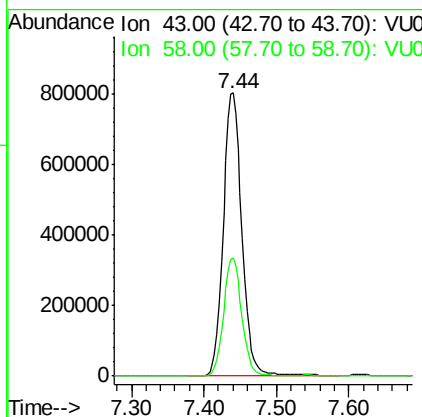
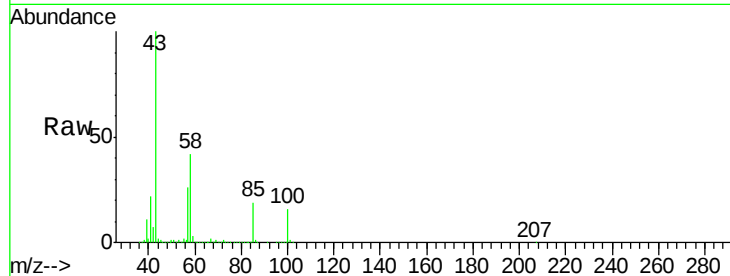
#51
 4-Methyl-2-Pentanone
 Concen: 304.966 ug/l
 RT: 7.44 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: VU034545.D
 Acq: 13 Sep 2019 00:58

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

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

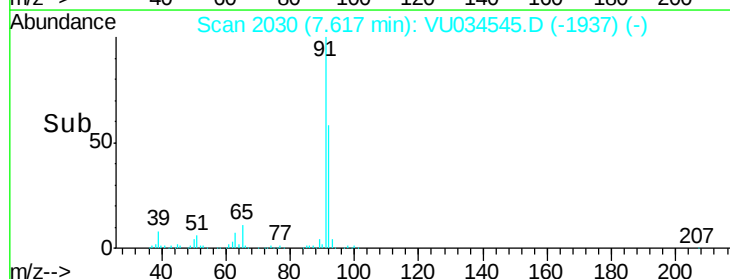
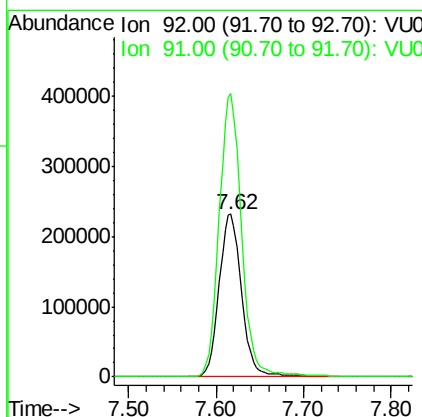
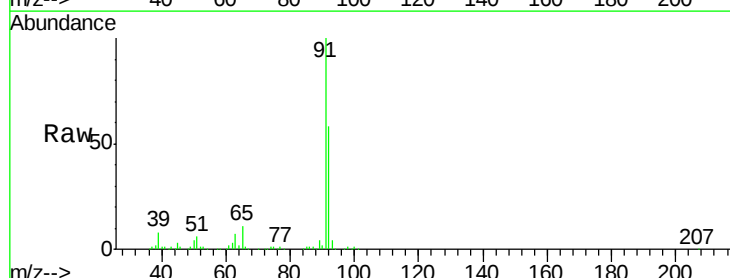
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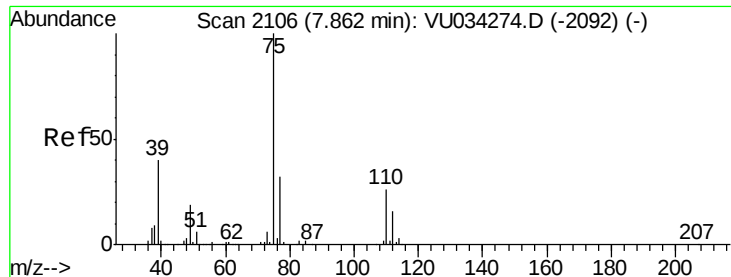
MMDadoda
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#52
 Toluene
 Concen: 56.294 ug/l
 RT: 7.62 min Scan# 2030
 Delta R.T. -0.00 min
 Lab File: VU034545.D
 Acq: 13 Sep 2019 00:58

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





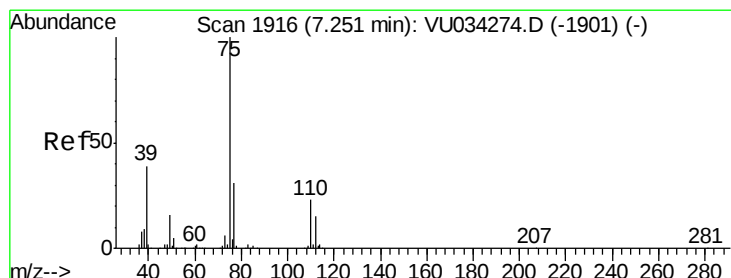
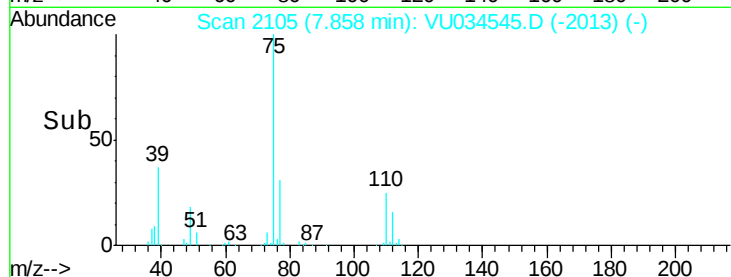
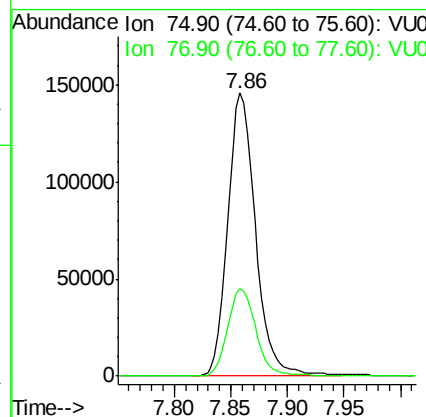
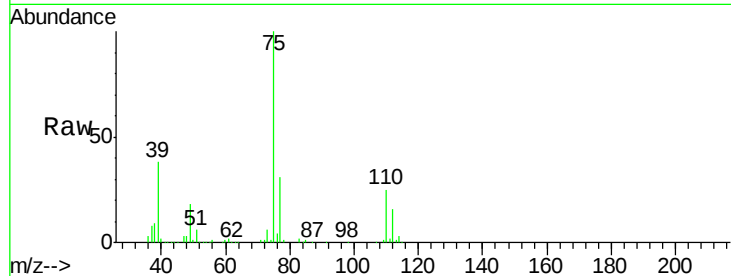
#53
 t-1,3-Dichloropropene
 Concen: 54.231 ug/l
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VU034545.D
 Acq: 13 Sep 2019 00:58

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

Tot Ion: 75 Resp: 250293
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.7 38.5

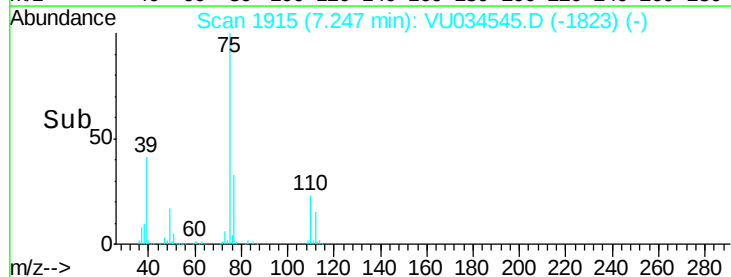
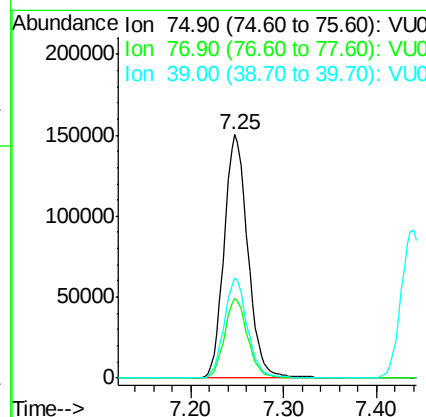
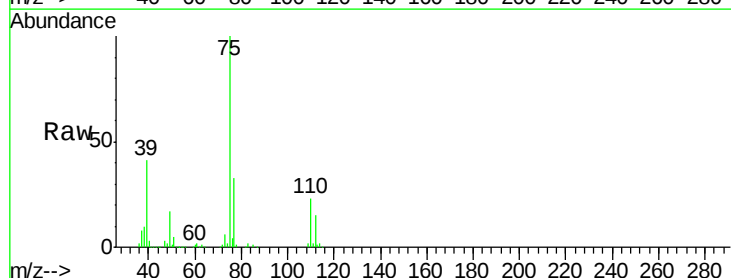
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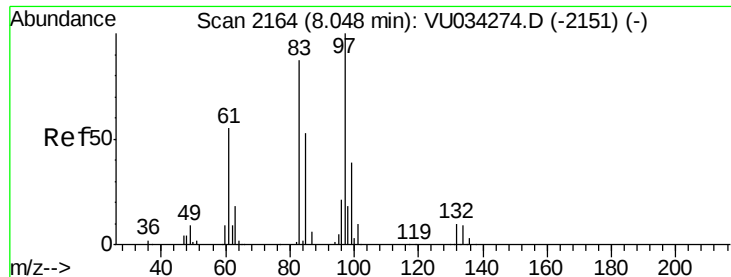
MMDadoda
 9/16/2019 11:15:36 AM



#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





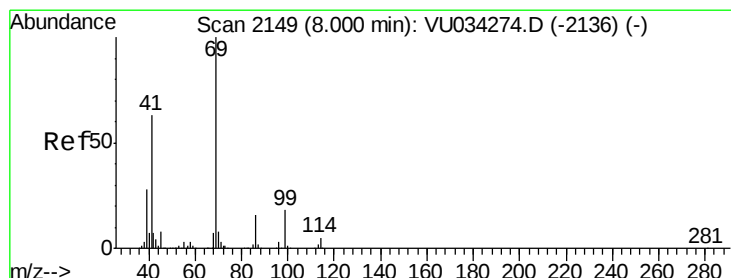
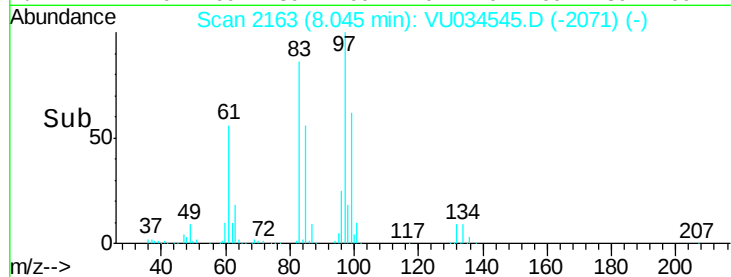
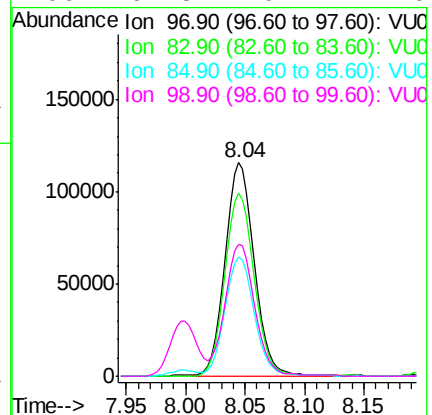
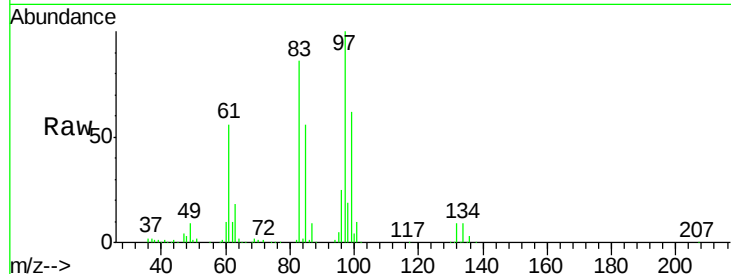
#55
 1,1,2-Trichloroethane
 Concen: 57.989 ug/l
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VU034545.D
 Acq: 13 Sep 2019 00:58

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

Tot 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

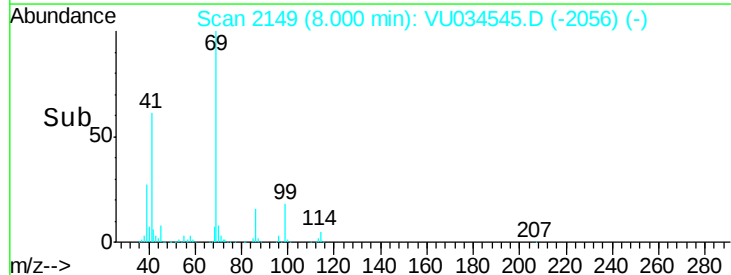
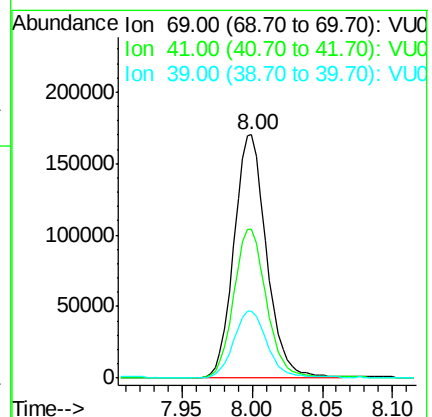
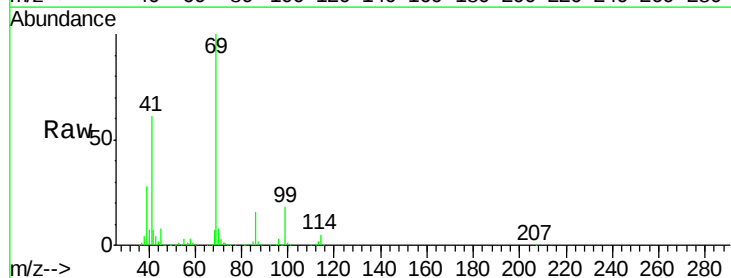
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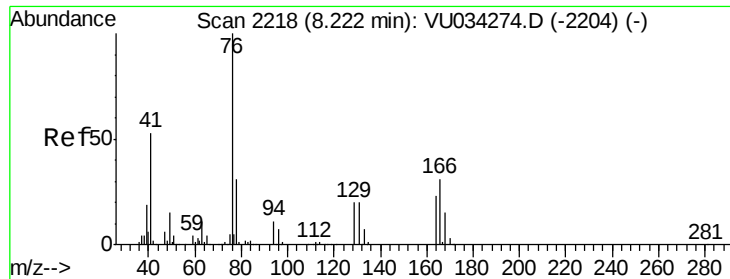
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#56
 Ethyl methacrylate
 Concen: 53.721 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU034545.D
 Acq: 13 Sep 2019 00:58

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





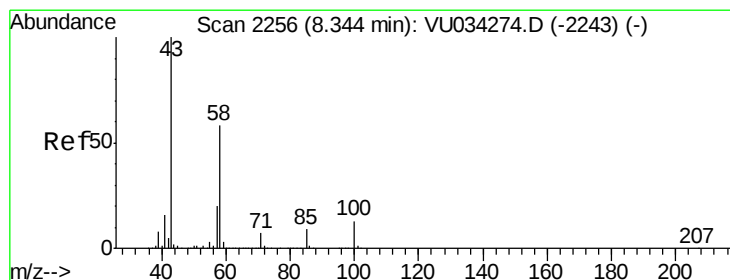
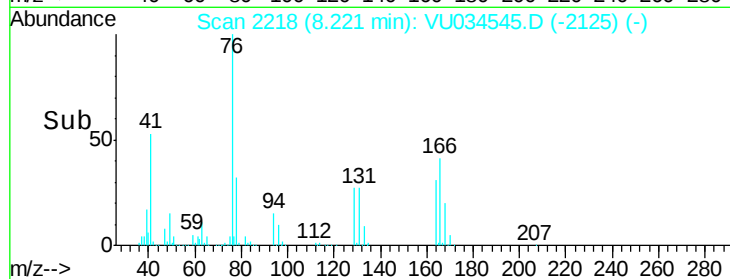
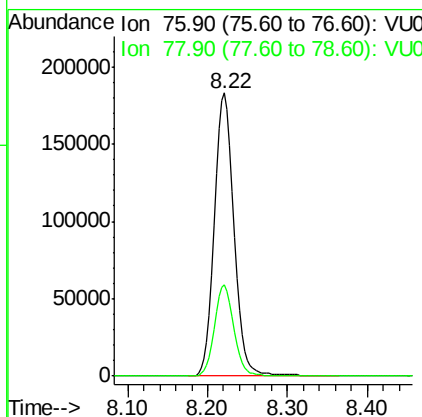
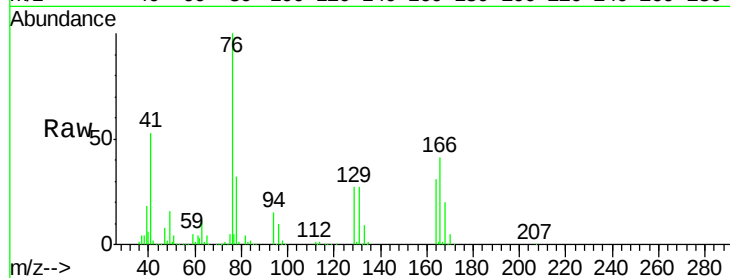
#57
 1,3-Dichloropropane
 Concen: 57.482 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU034545.D
 Acq: 13 Sep 2019 00:58

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

Tot Ion: 76 Resp: 314258
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.4 38.2

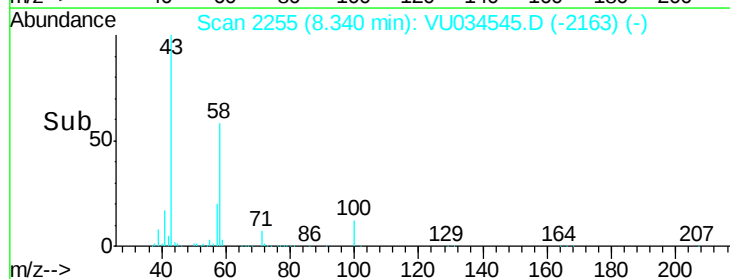
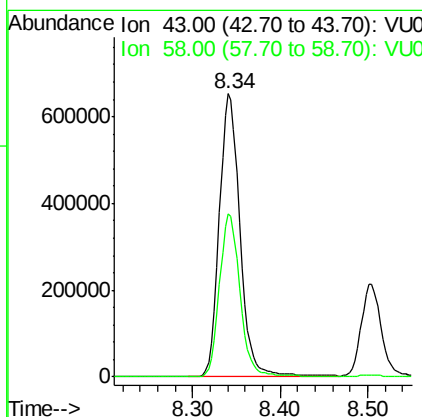
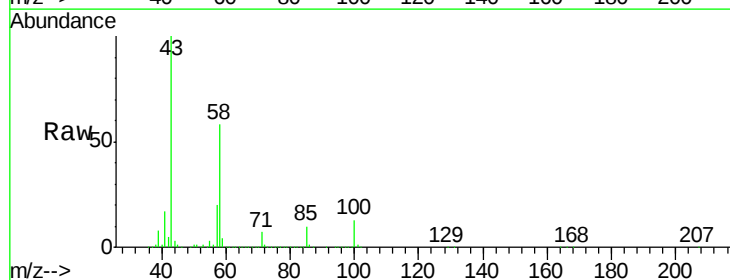
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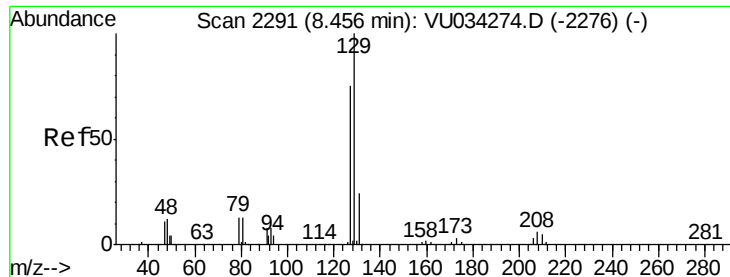
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#59
 2-Hexanone
 Concen: 308.521 ug/l
 RT: 8.34 min Scan# 2255
 Delta R.T. -0.00 min
 Lab File: VU034545.D
 Acq: 13 Sep 2019 00:58

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

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

Tot Ion:129 Resp: 210830

Ion Ratio Lower Upper

129 100

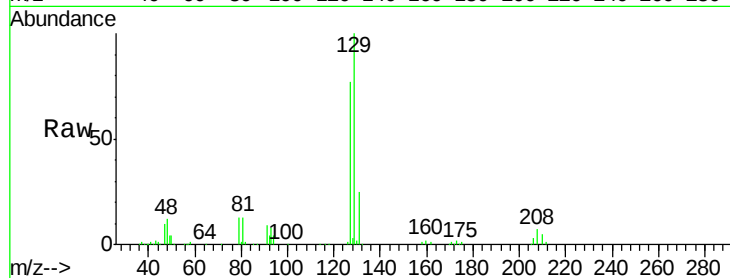
127 77.9 37.9 113.7

Manual Integrations

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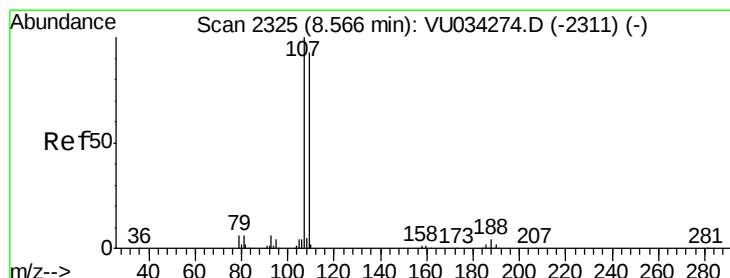
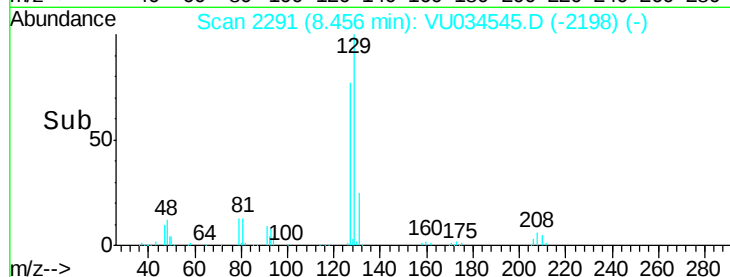
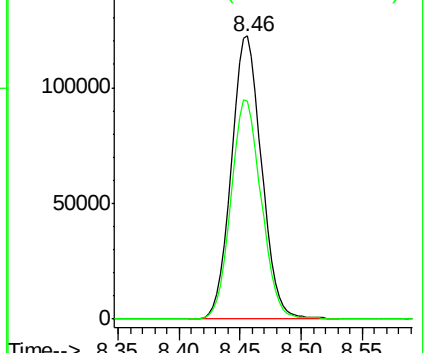
MMDadoda

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#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

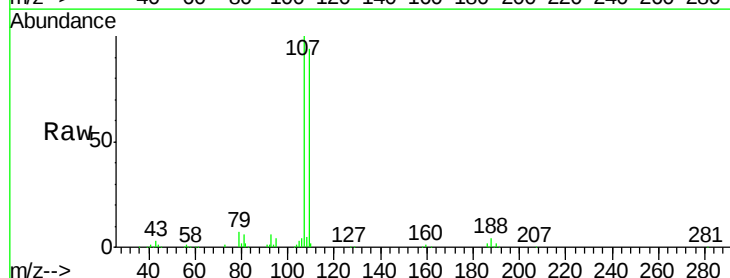
Acq: 13 Sep 2019 00:58

Tgt Ion:107 Resp: 189367

Ion Ratio Lower Upper

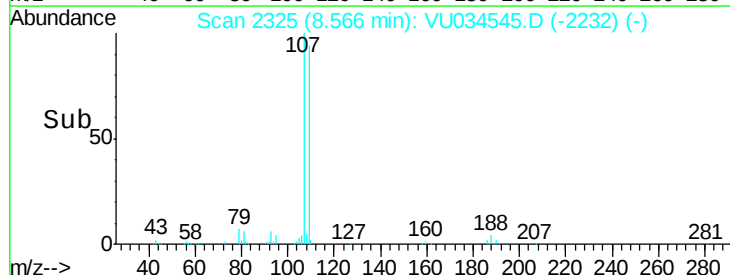
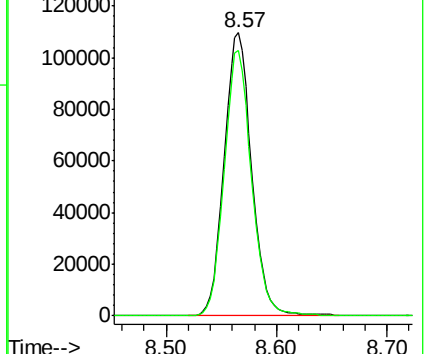
107 100

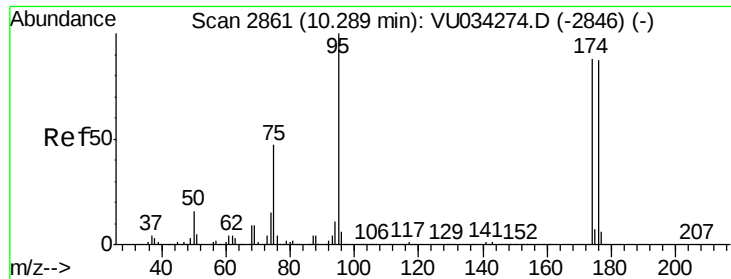
109 93.7 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#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

Instrument :

MSVOA_U

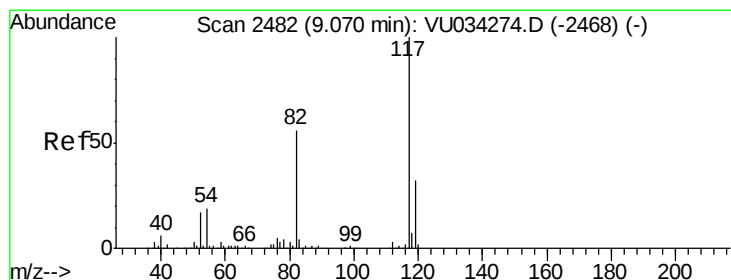
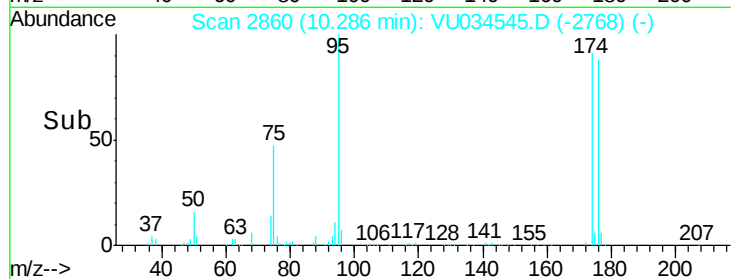
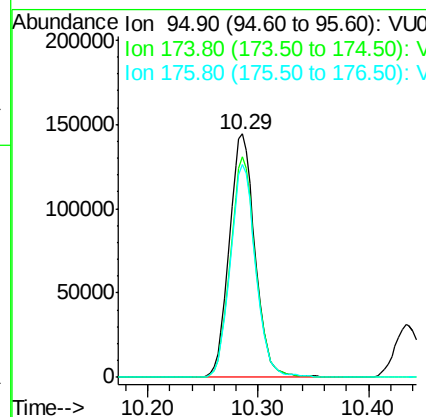
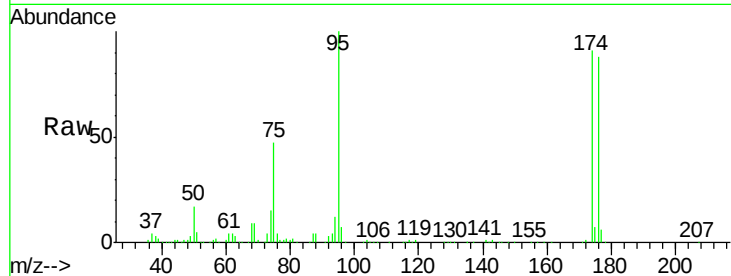
ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

Tot Ion	Ratio	Resp	Lower	Upper
95	100	233986		
174	88.6	0.0	175.2	
176	85.9	0.0	168.0	

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

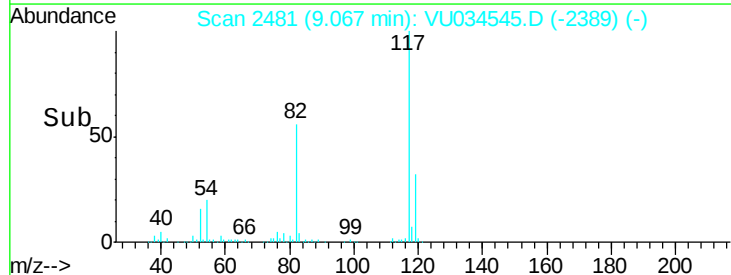
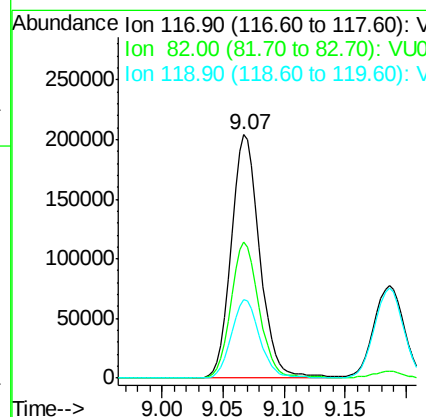
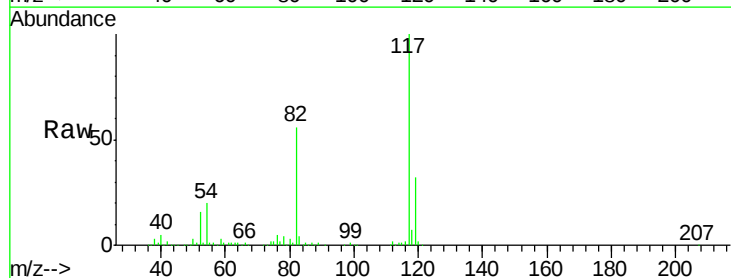
RT: 9.07 min Scan# 2481

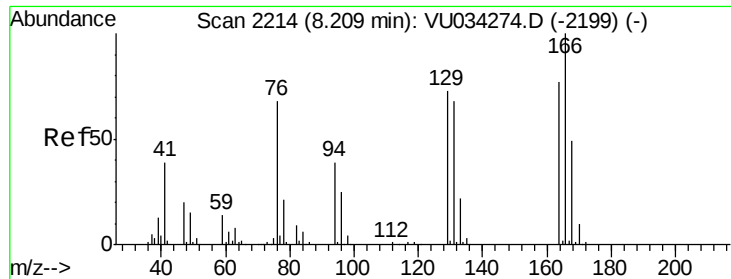
Delta R.T. -0.00 min

Lab File: VU034545.D

Acq: 13 Sep 2019 00:58

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	333882		
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

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

Tot Ion:164 Resp: 253278

Ion Ratio Lower Upper

164 100

166 128.2 103.7 155.5

129 92.0 75.8 113.8

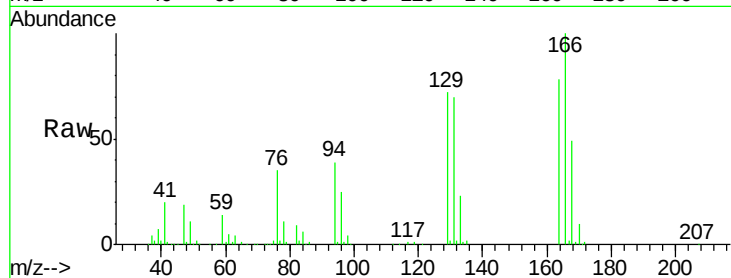
131 89.5 70.7 106.1

Manual Integrations

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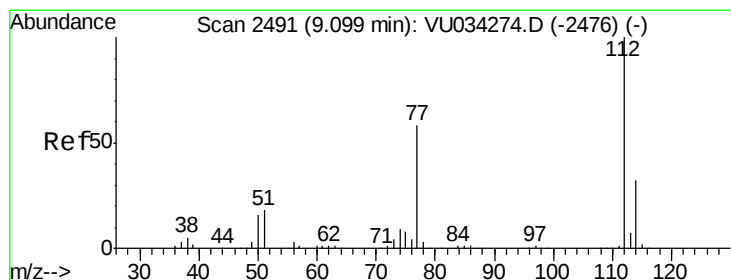
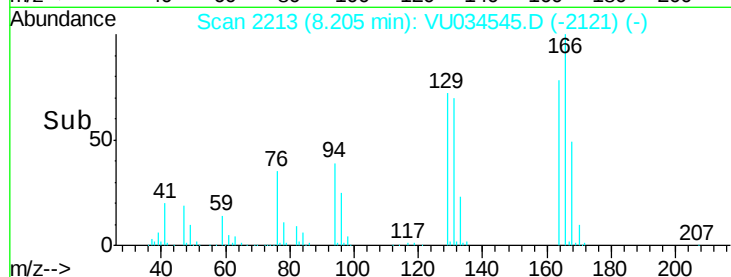
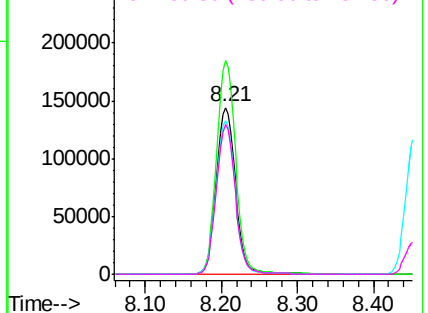


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 57.096 ug/l

RT: 9.10 min Scan# 2490

Delta R.T. -0.00 min

Lab File: VU034545.D

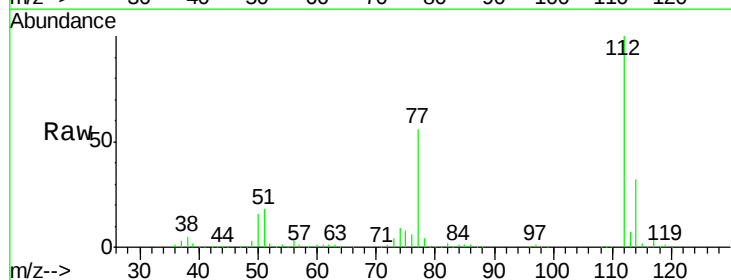
Acq: 13 Sep 2019 00:58

Tgt Ion:112 Resp: 483645

Ion Ratio Lower Upper

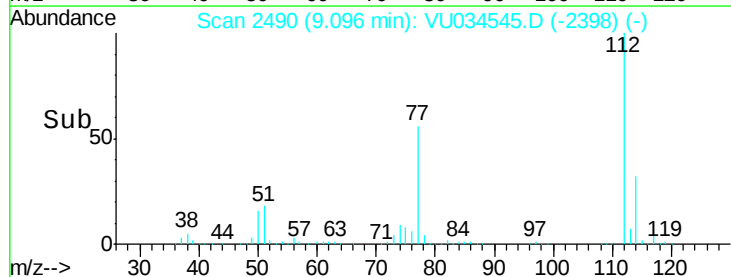
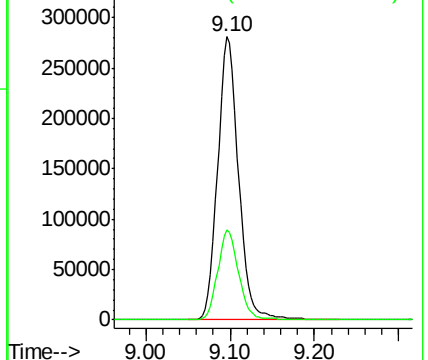
112 100

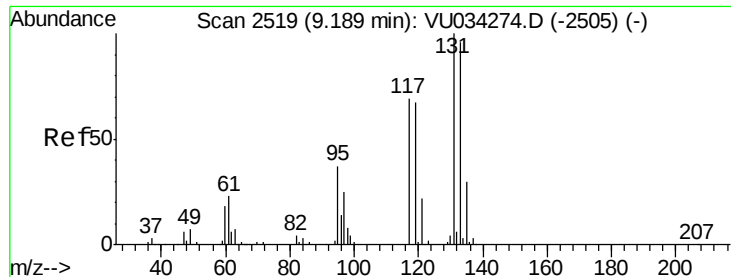
114 31.6 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#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

Instrument :

MSVOA_U

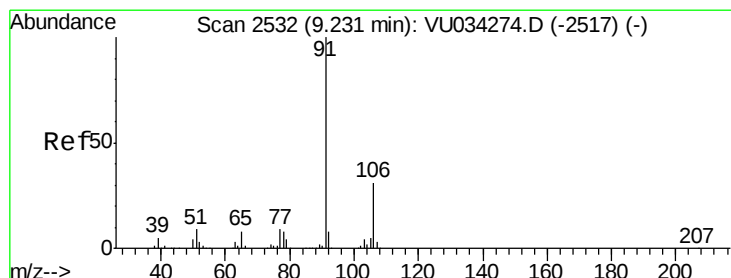
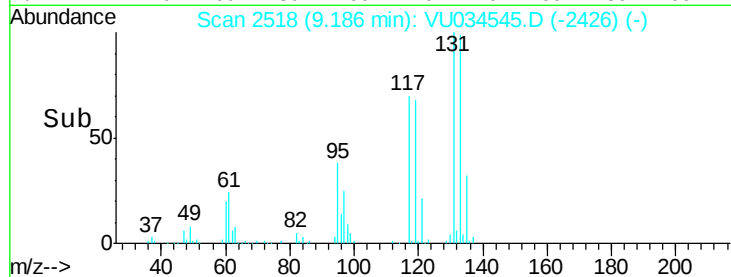
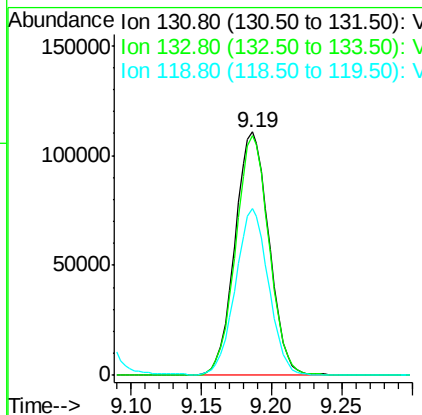
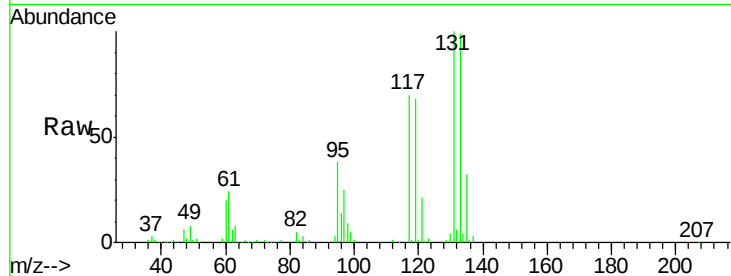
ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

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

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#67

Ethyl Benzene

Concen: 57.608 ug/l

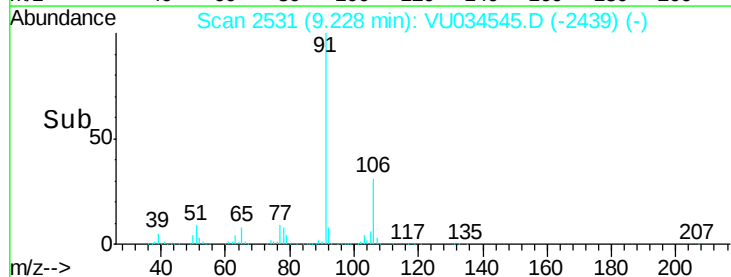
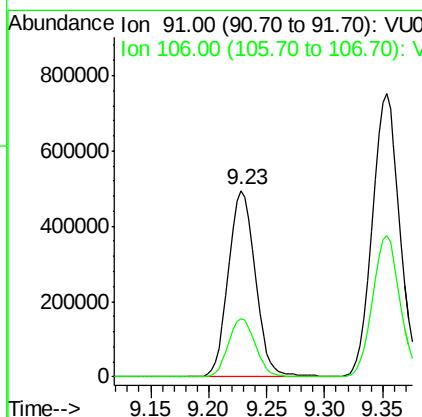
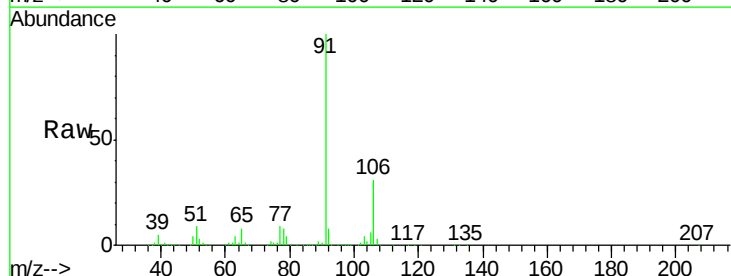
RT: 9.23 min Scan# 2531

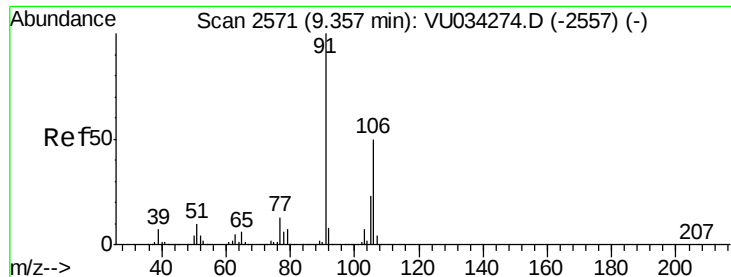
Delta R.T. -0.00 min

Lab File: VU034545.D

Acq: 13 Sep 2019 00:58

Tgt Ion:	91	Resp:	797875
Ion Ratio	Lower	Upper	
91	100		
106	31.4	24.8	37.2





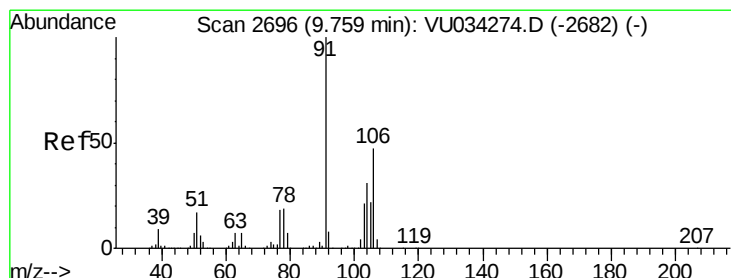
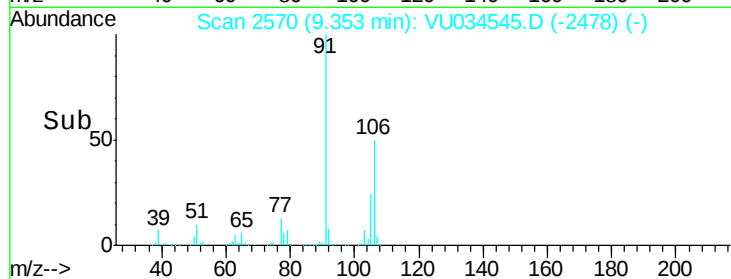
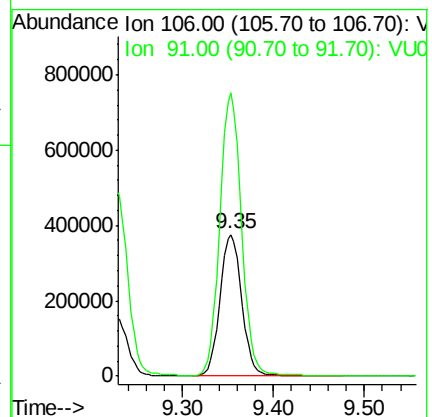
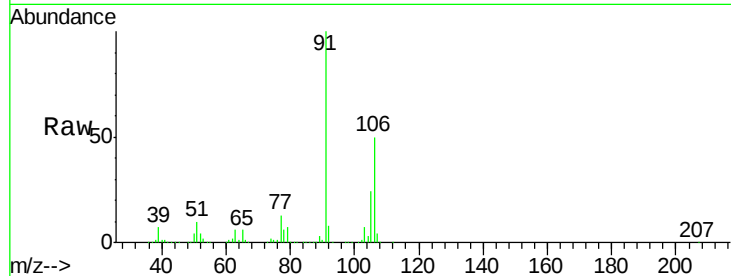
#68
m/p-Xylenes
Concen: 119.914 ug/l
RT: 9.35 min Scan# 2570
Delta R.T. -0.00 min
Lab File: VU034545.D
Acq: 13 Sep 2019 00:58

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		625403		
91	200.1	160.1	240.1		

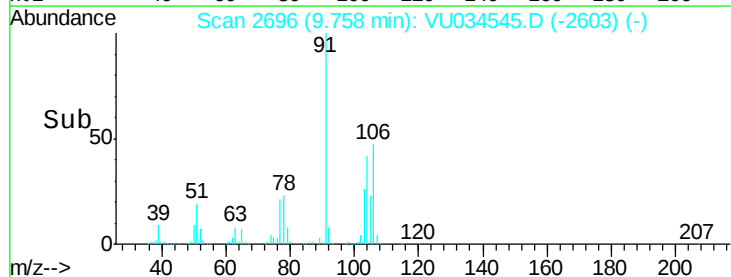
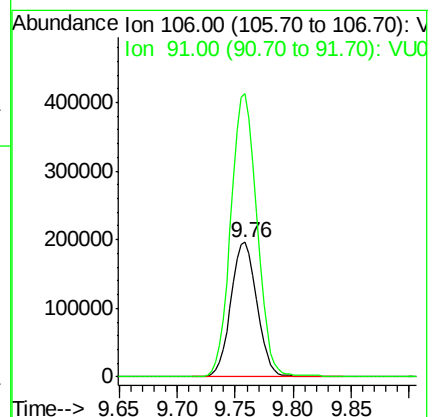
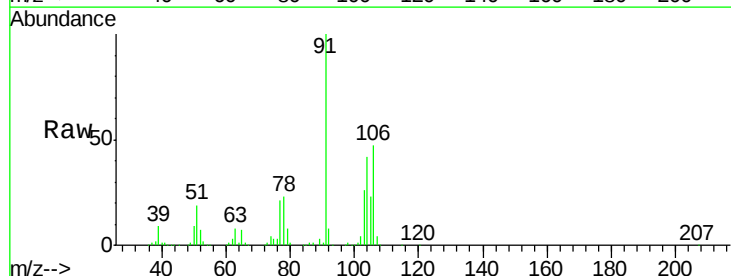
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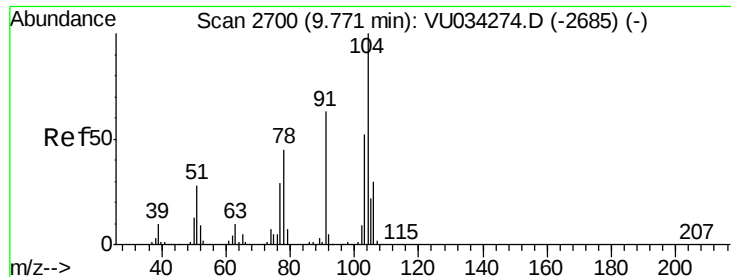
MMDadoda
9/16/2019 11:15:36 AM



#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

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





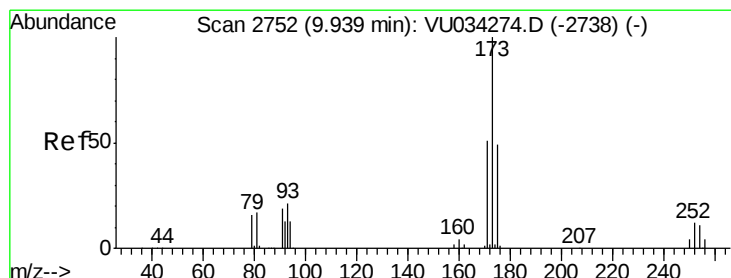
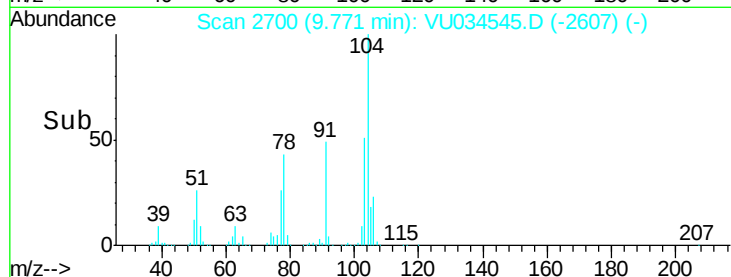
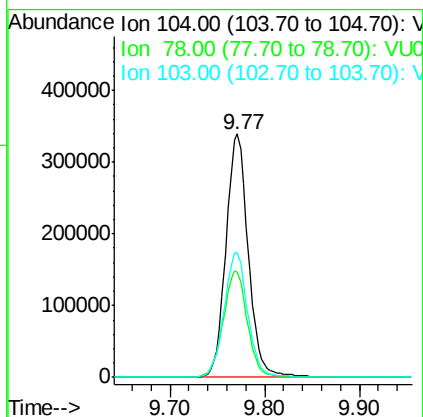
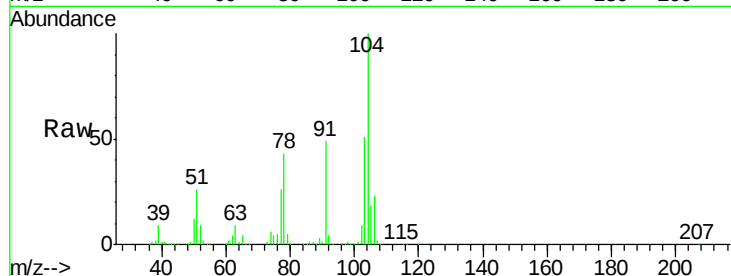
#70
Stvrene
Concen: 62.367 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU034545.D
Acq: 13 Sep 2019 00:58

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

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

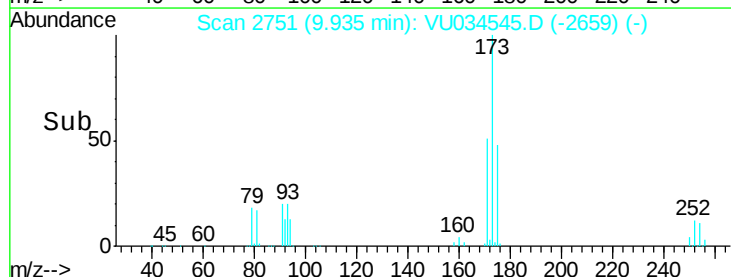
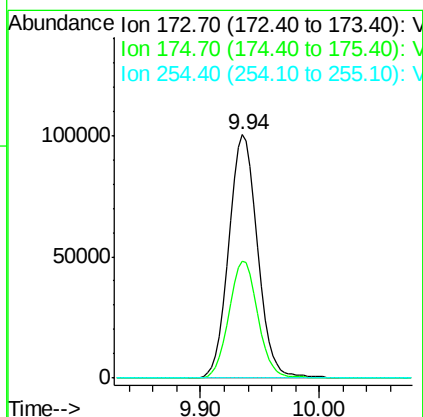
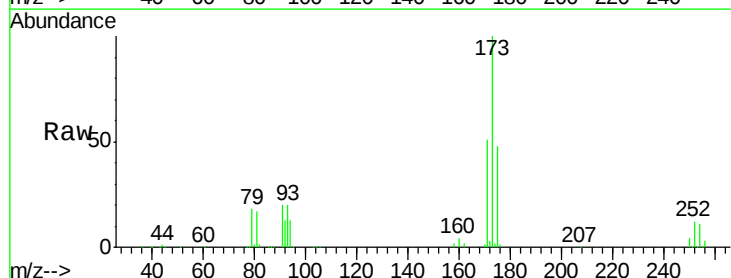
Manual Integrations
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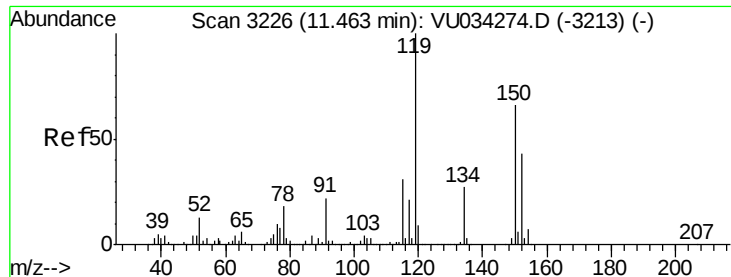
MMDadoda
9/16/2019 11:15:36 AM



#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

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	168161		
175	48.4		24.4	73.2
254	0.1		0.0	0.0#





#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

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

Tot Ion:152 Resp: 234113

Ion Ratio Lower Upper

152 100

115 79.6 39.1 117.3

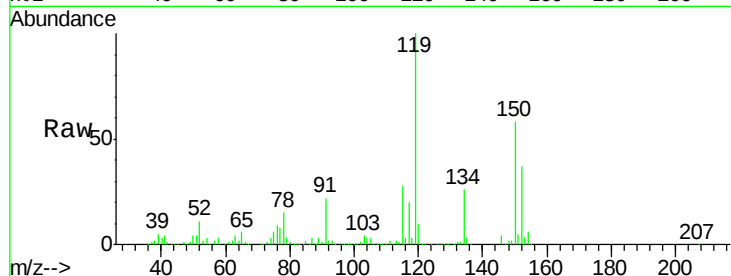
150 173.8 0.0 345.4

Manual Integrations

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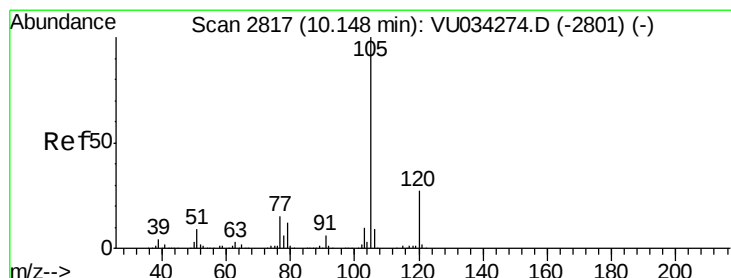
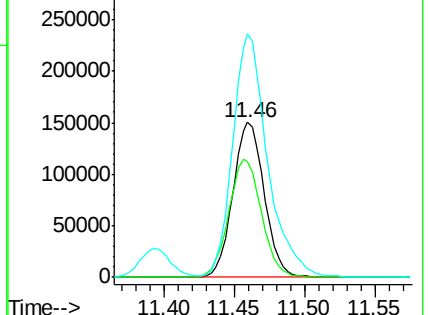
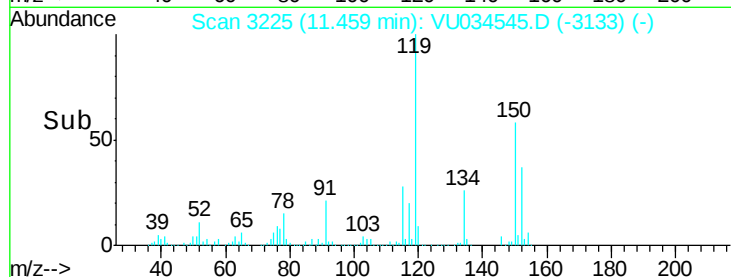
9/16/2019 11:15:36 AM



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

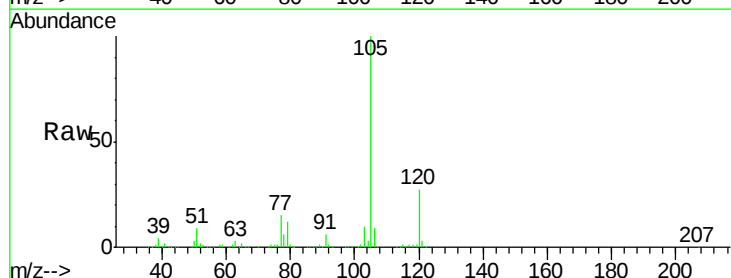
Acq: 13 Sep 2019 00:58

Tgt Ion:105 Resp: 837432

Ion Ratio Lower Upper

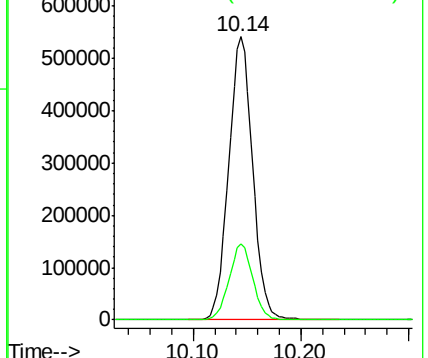
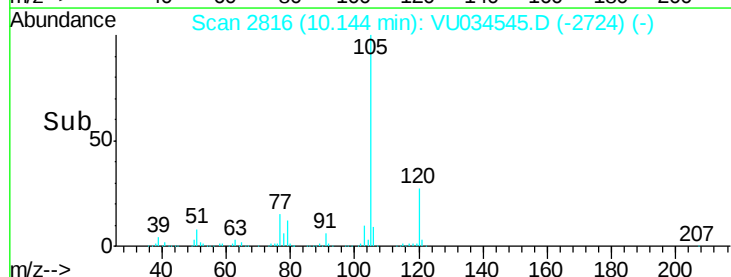
105 100

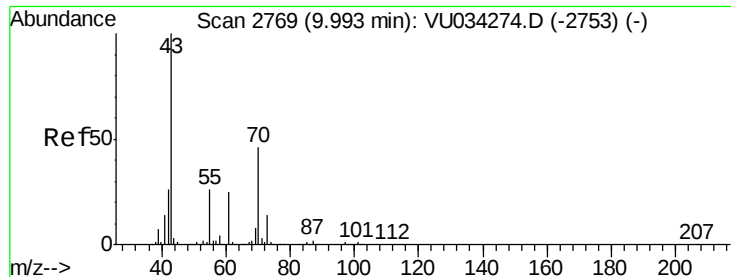
120 26.6 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





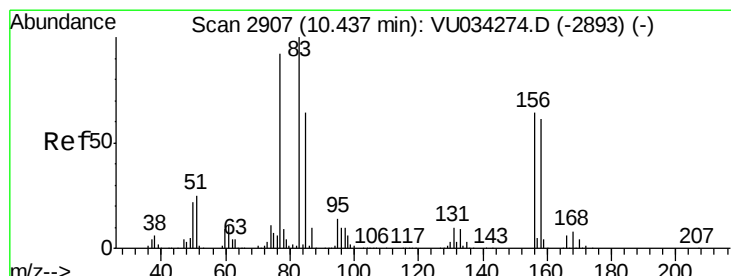
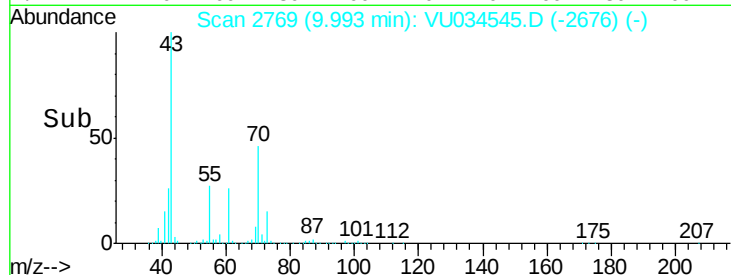
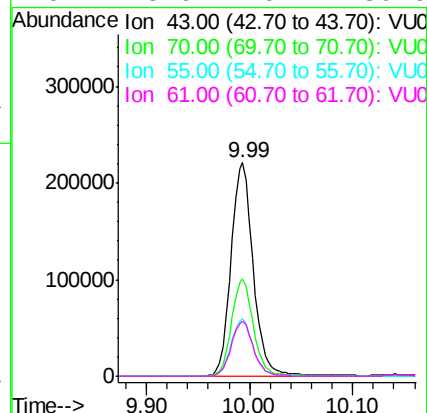
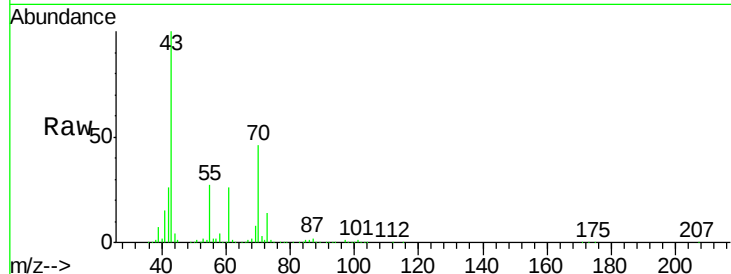
#74
N-amvl acetate
Concen: 54.007 ug/l
RT: 9.99 min Scan# 2769
Delta R.T. -0.00 min
Lab File: VU034545.D
Acq: 13 Sep 2019 00:58

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		331209		
70	45.2	36.4	54.6		
55	26.8	21.2	31.8		
61	25.9	20.4	30.6		

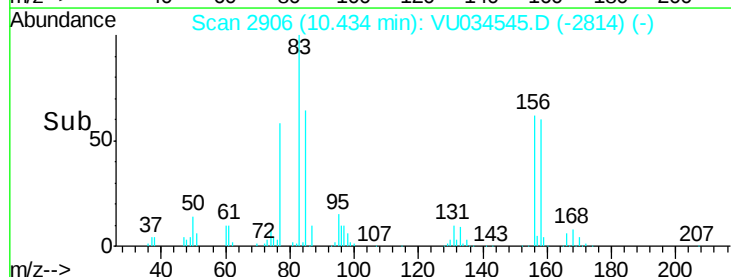
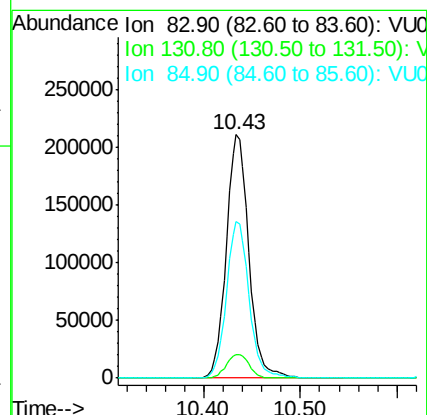
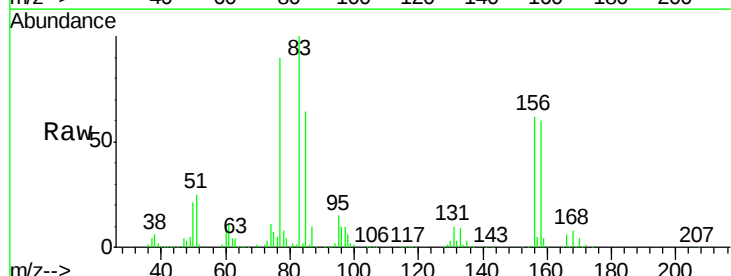
Manual Integrations
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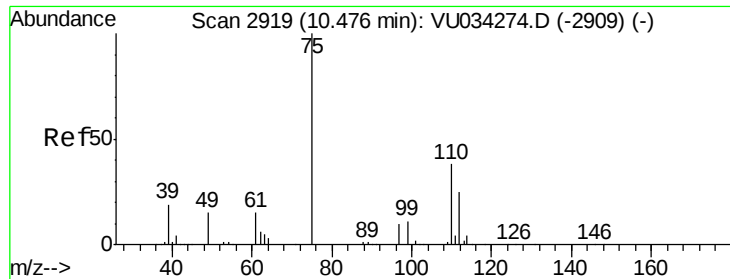
MMDadoda
9/16/2019 11:15:36 AM



#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

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		340340		
131	10.0	5.1	15.2		
85	64.9	32.0	96.2		





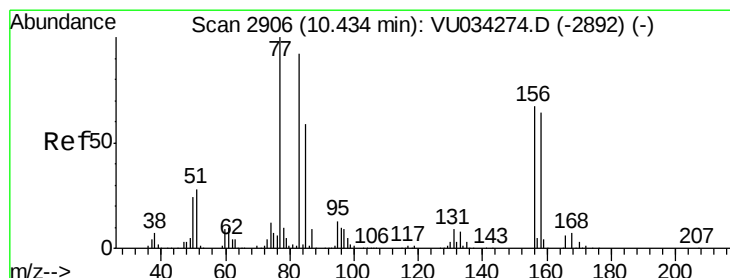
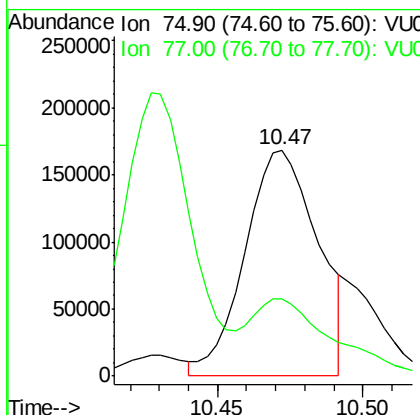
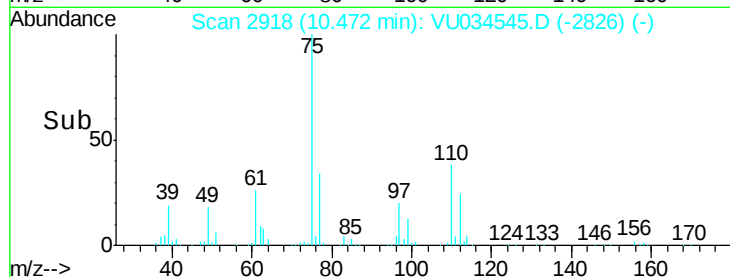
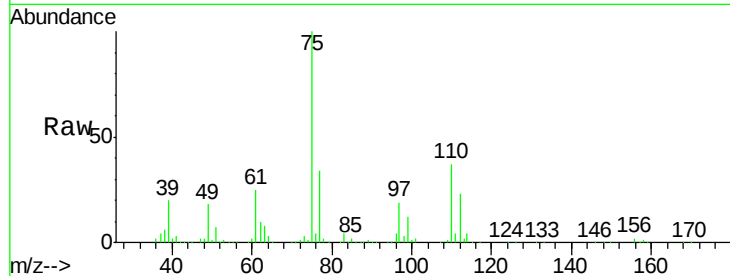
#76
 1,2,3-Trichloropropane
 Concen: 57.365 ug/l m
 RT: 10.47 min Scan# 2918
 Delta R.T. -0.00 min
 Lab File: VU034545.D
 Acq: 13 Sep 2019 00:58

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

Tot Ion: 75 Resp: 293151
 Ion Ratio Lower Upper
 75 100
 77 38.9 20.8 62.2

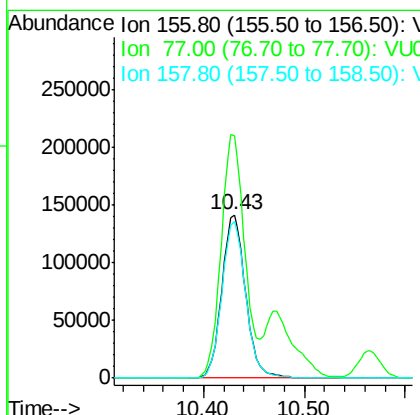
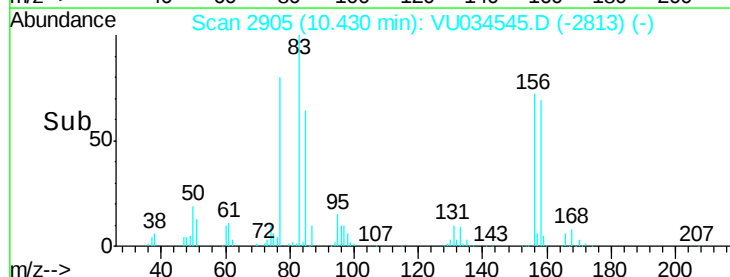
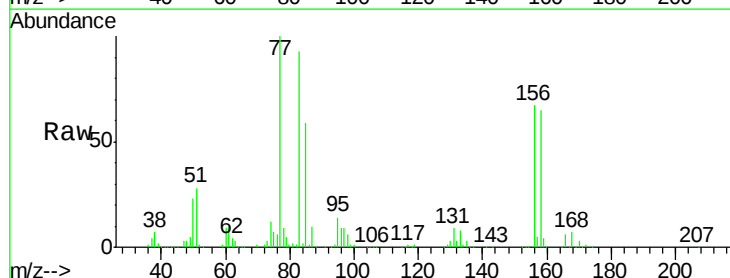
Manual Integrations
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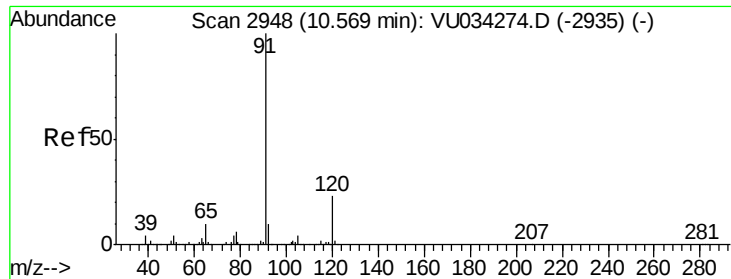
MMDadoda
 9/16/2019 11:15:36 AM



#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

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





#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

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

Tot Ion: 91 Resp: 959167

Ion Ratio Lower Upper

91 100

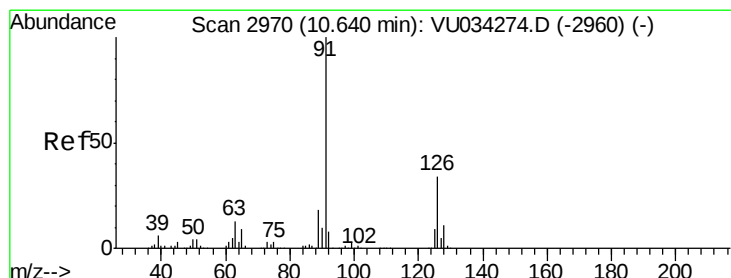
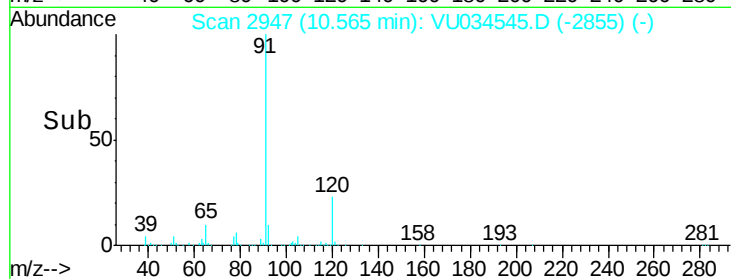
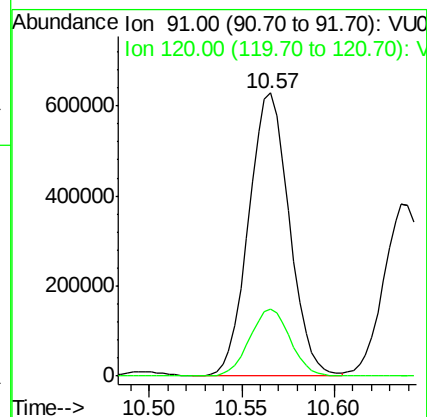
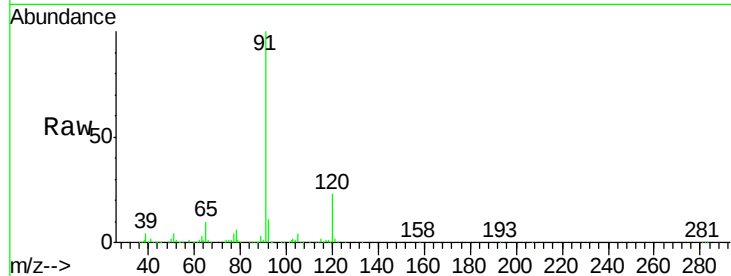
120 23.7 11.7 35.0

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#79

2-Chlorotoluene

Concen: 55.328 ug/l

RT: 10.64 min Scan# 2969

Delta R.T. -0.00 min

Lab File: VU034545.D

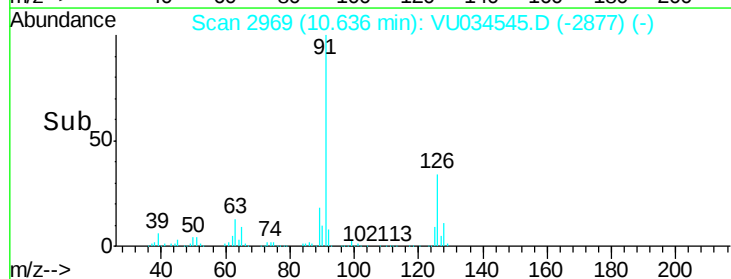
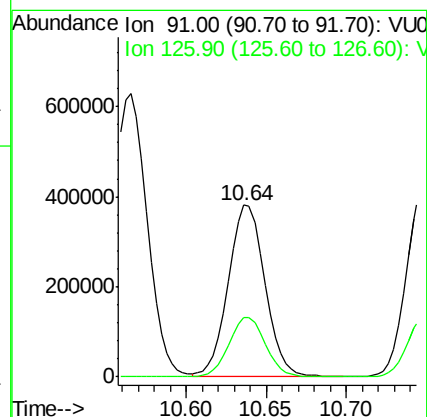
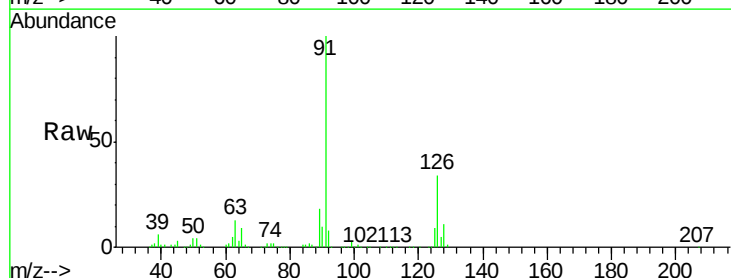
Acq: 13 Sep 2019 00:58

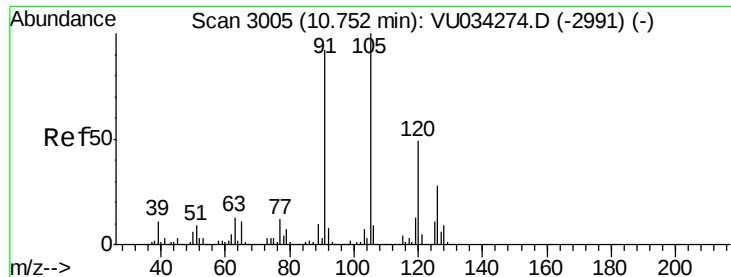
Tgt Ion: 91 Resp: 594011

Ion Ratio Lower Upper

91 100

126 34.6 17.3 51.9





#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

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

Tot Ion:105 Resp: 729951

Ion Ratio Lower Upper

105 100

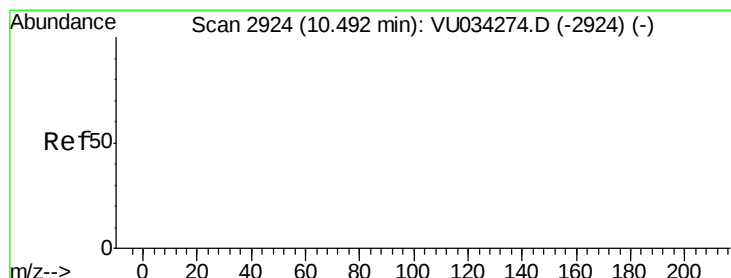
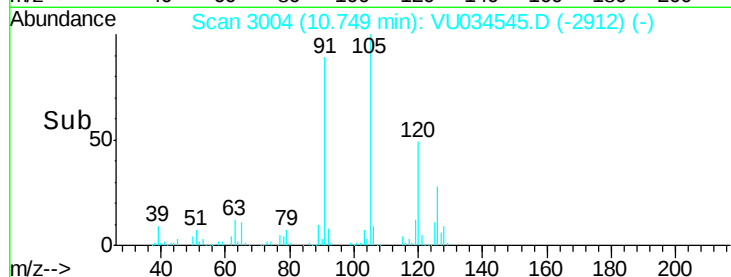
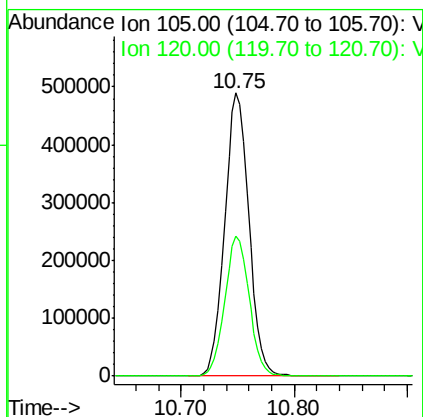
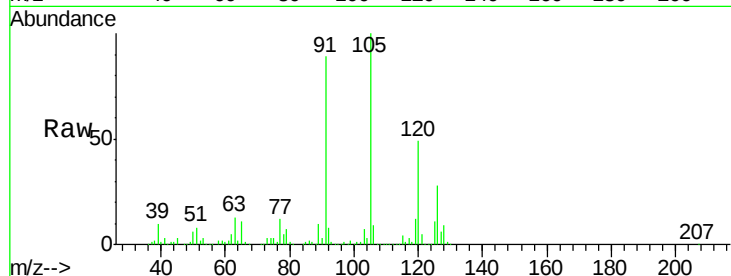
120 50.1 24.9 74.7

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#81

trans-1,4-Dichloro-2-butene

Concen: 44.473 ug/l m

RT: 10.49 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VU034545.D

Acq: 13 Sep 2019 00:58

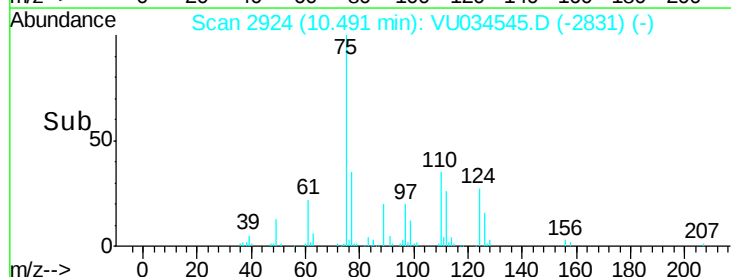
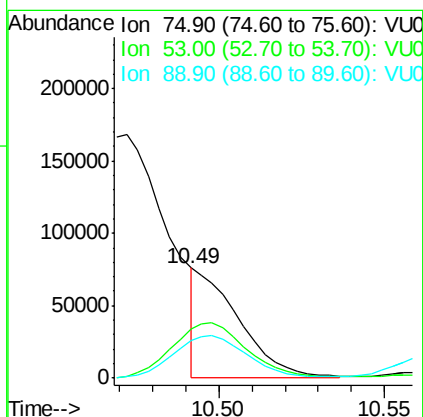
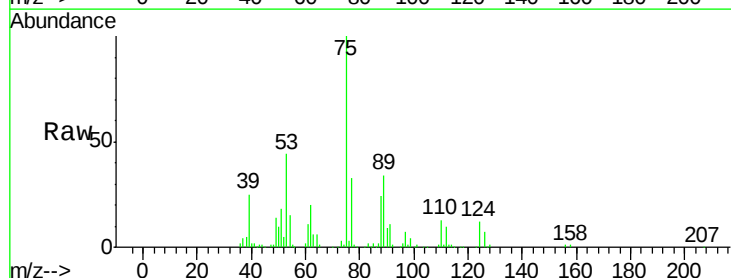
Tgt Ion: 75 Resp: 67580

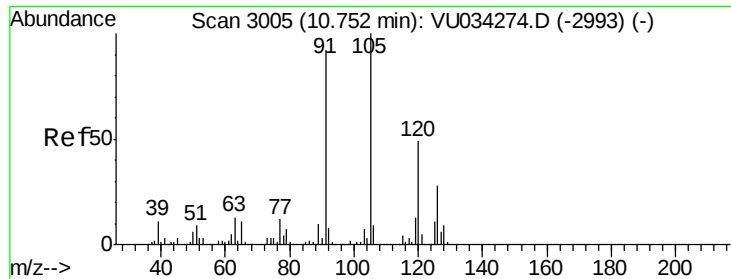
Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0





#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

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

Tot Ion: 91 Resp: 674255

Ion Ratio Lower Upper

91 100

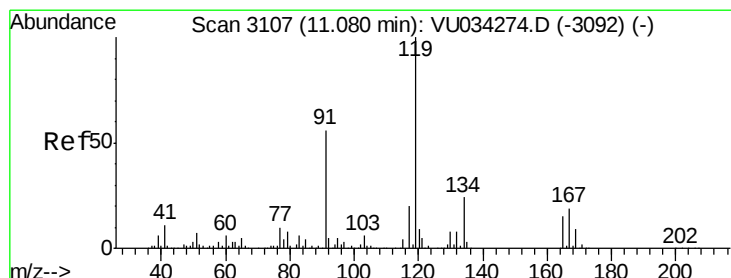
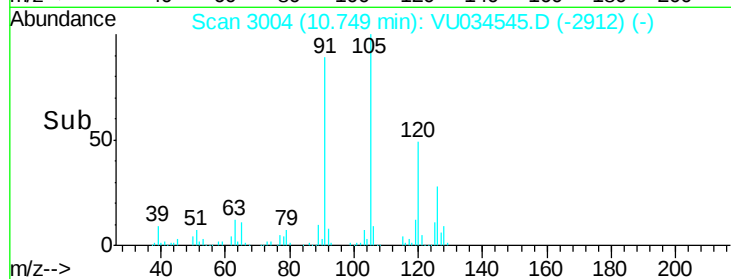
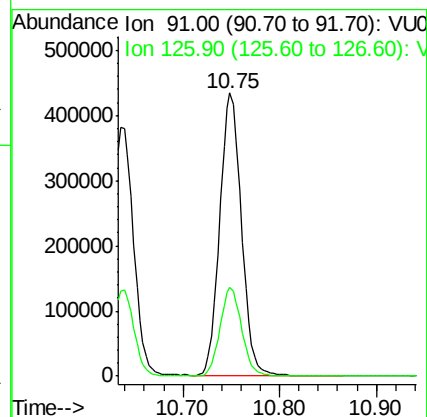
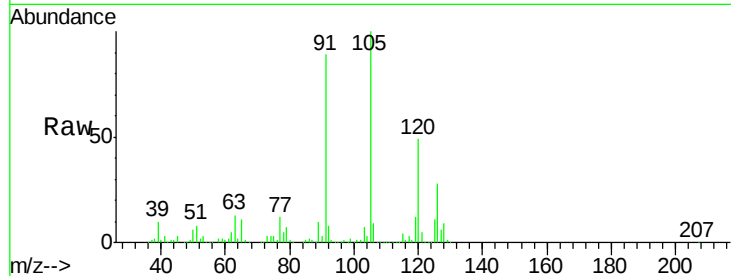
126 31.2 15.3 45.8

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#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

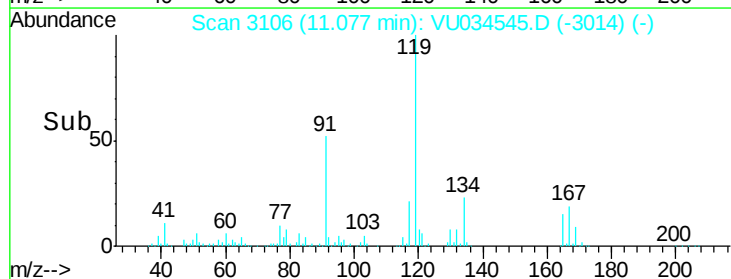
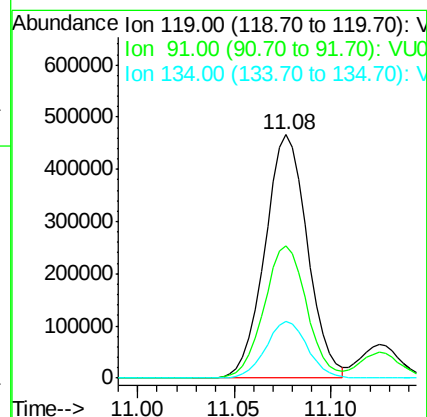
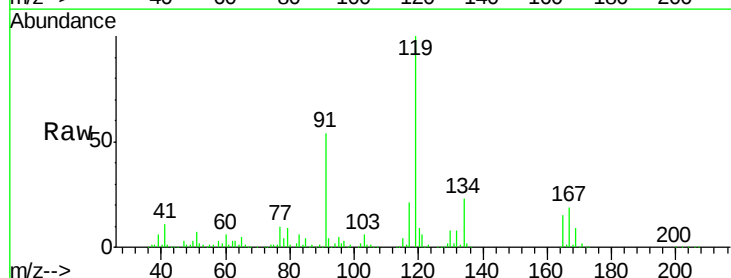
Tgt Ion: 119 Resp: 714234

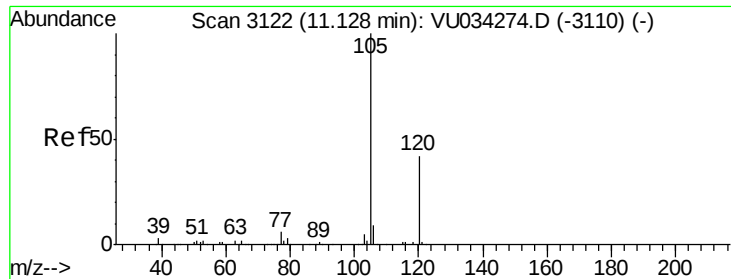
Ion Ratio Lower Upper

119 100

91 54.3 27.8 83.4

134 22.9 11.7 35.0





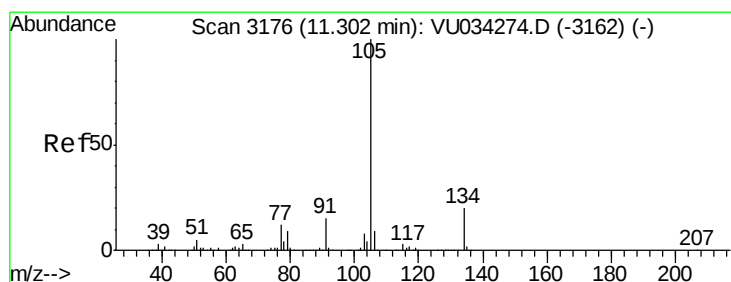
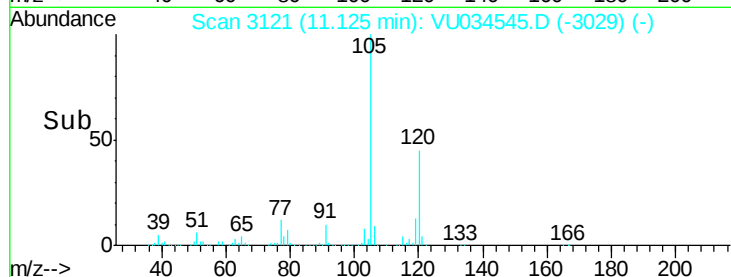
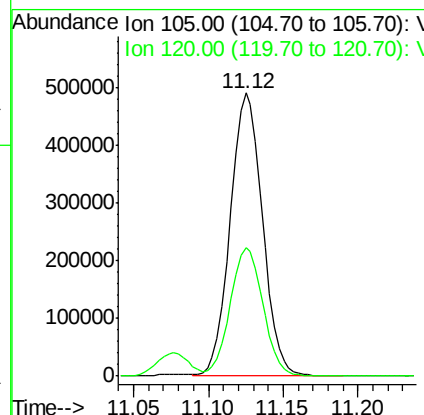
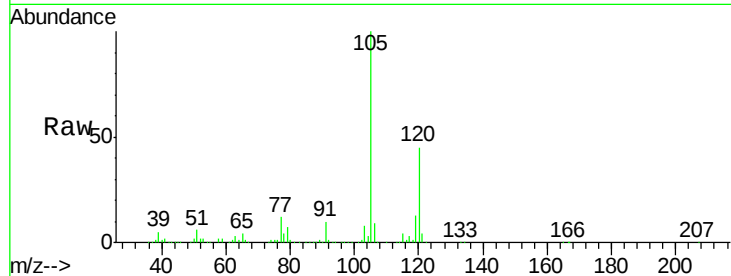
#84
 1,2,4-Trimethylbenzene
 Concen: 57.181 ug/l
 RT: 11.12 min Scan# 3121
 Delta R.T. -0.00 min
 Lab File: VU034545.D
 Acq: 13 Sep 2019 00:58

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

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

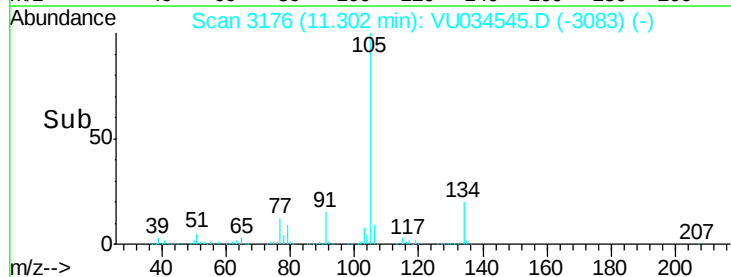
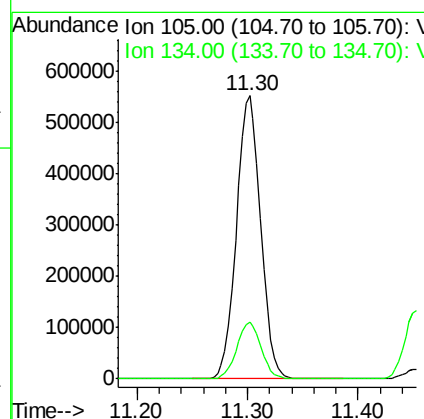
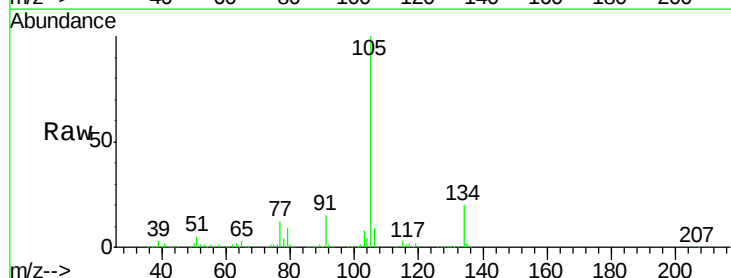
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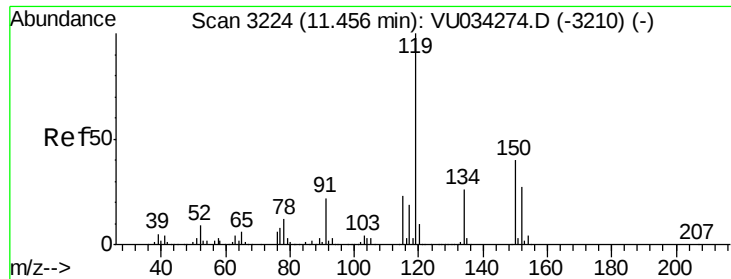
MMDadoda
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#85
 sec-Butylbenzene
 Concen: 55.591 ug/l
 RT: 11.30 min Scan# 3176
 Delta R.T. -0.00 min
 Lab File: VU034545.D
 Acq: 13 Sep 2019 00:58

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





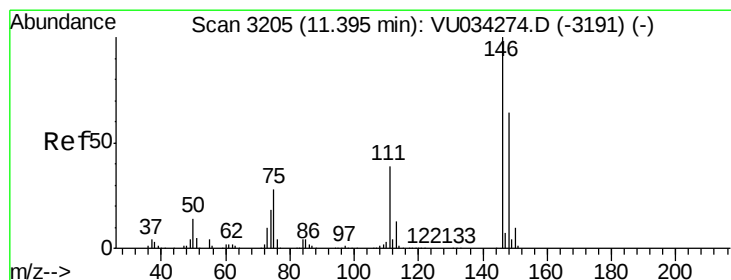
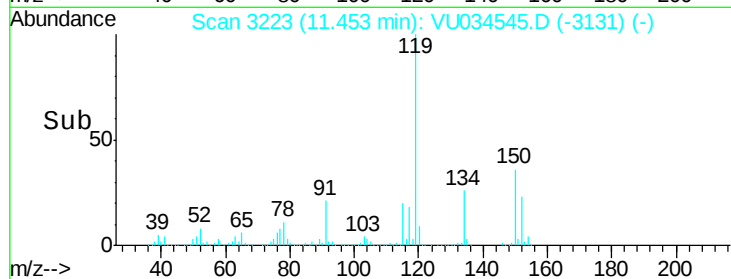
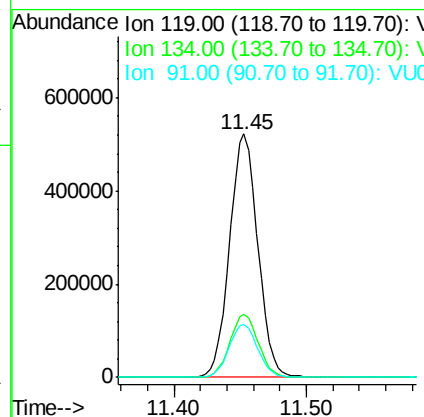
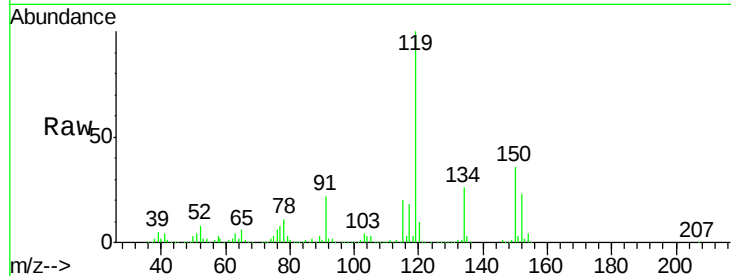
#86
 p-Isopropyltoluene
 Concen: 55.363 ug/l
 RT: 11.45 min Scan# 3223
 Delta R.T. -0.00 min
 Lab File: VU034545.D
 Acq: 13 Sep 2019 00:58

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

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

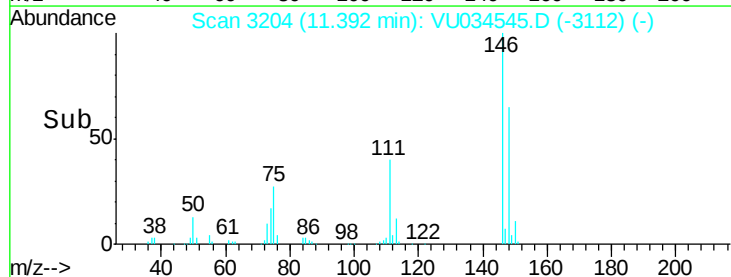
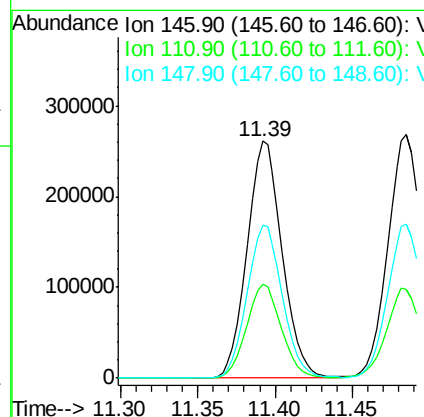
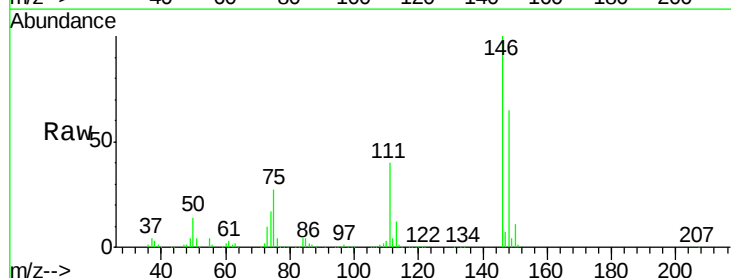
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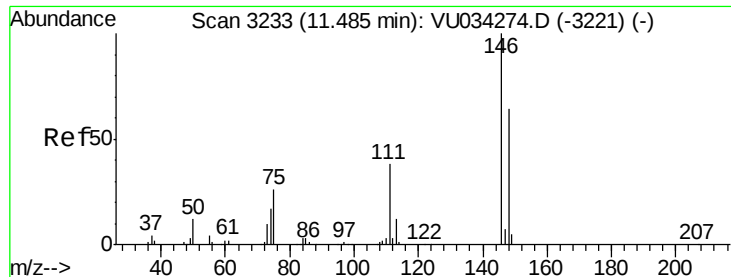
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#87
 1,3-Dichlorobenzene
 Concen: 53.080 ug/l
 RT: 11.39 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU034545.D
 Acq: 13 Sep 2019 00:58

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





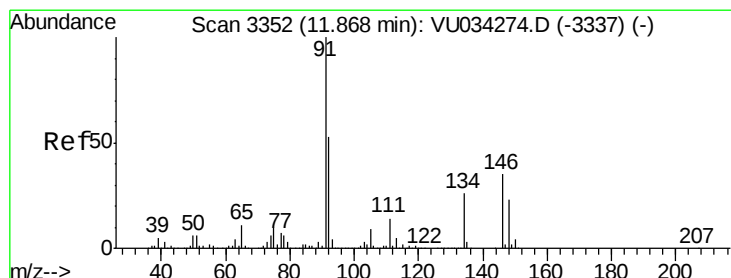
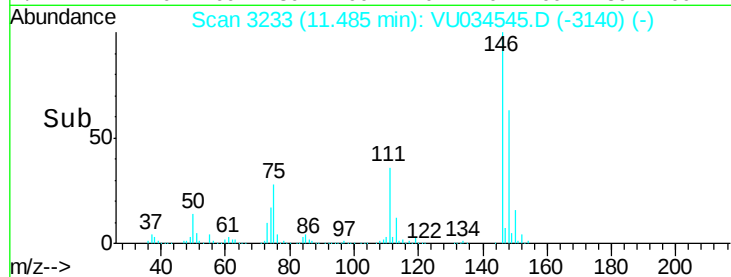
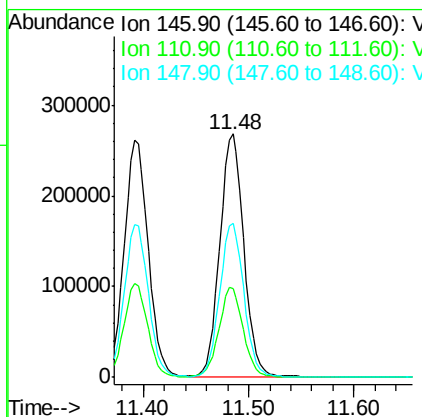
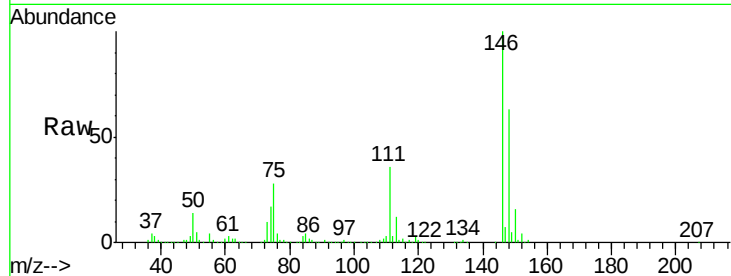
#88
 1,4-Dichlorobenzene
 Concen: 51.993 ug/l
 RT: 11.48 min Scan# 3233
 Delta R.T. -0.00 min
 Lab File: VU034545.D
 Acq: 13 Sep 2019 00:58

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	19.1	57.3
148	63.7	32.0	96.0

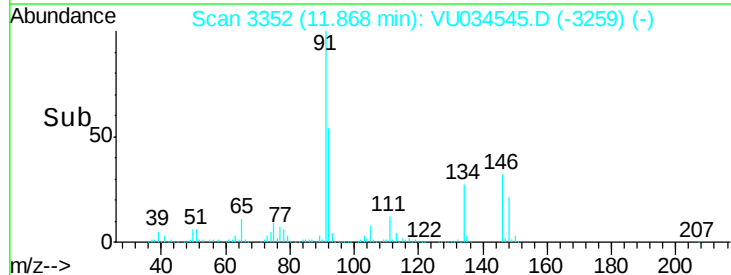
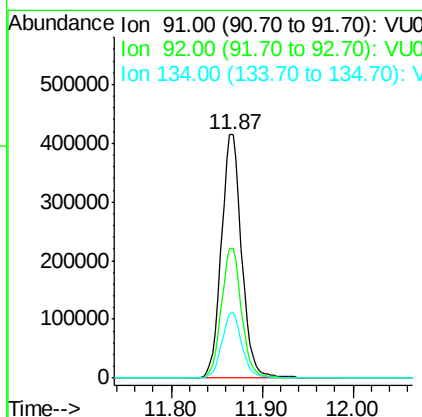
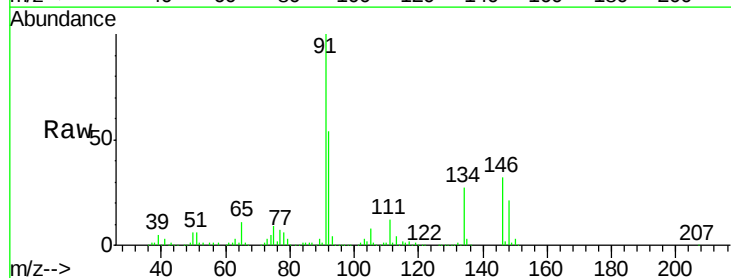
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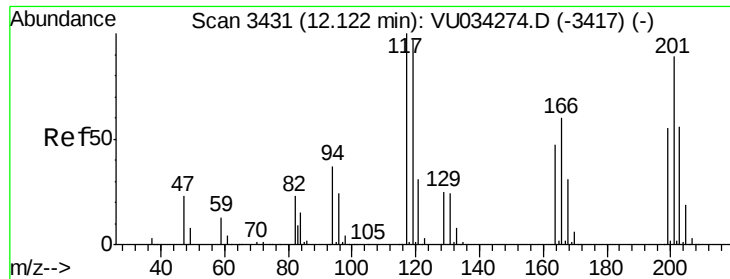
MMDadoda
 9/16/2019 11:15:36 AM



#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

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





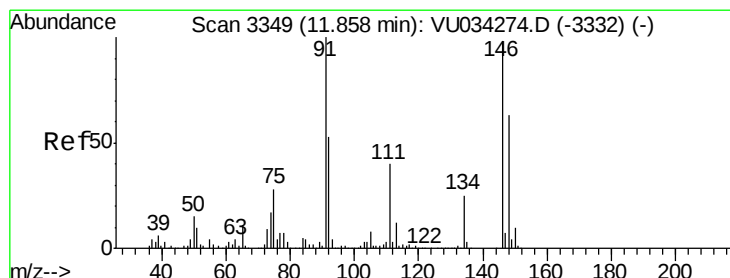
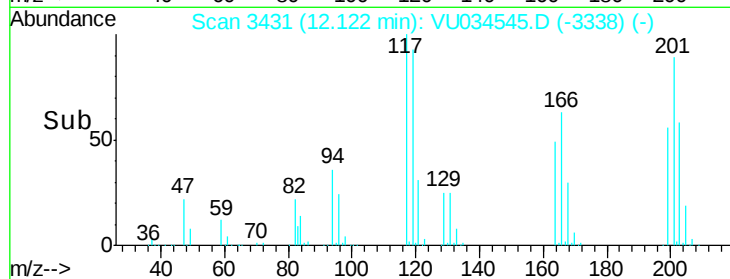
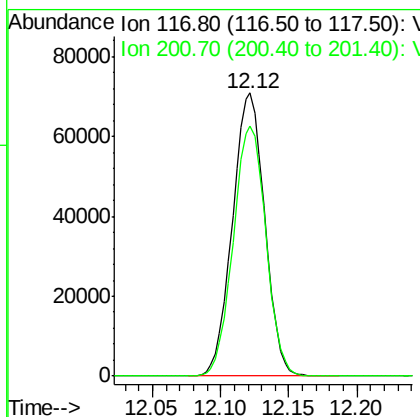
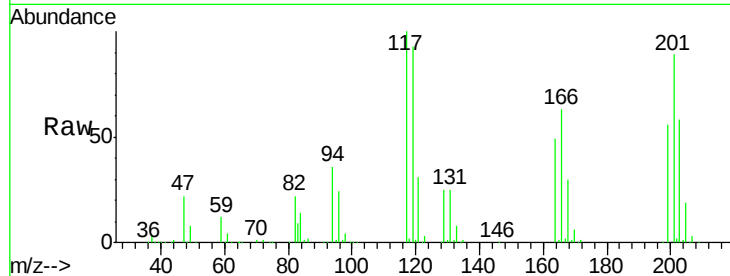
#90
Hexachloroethane
Concen: 52.505 ug/l
RT: 12.12 min Scan# 3431
Delta R.T. -0.00 min
Lab File: VU034545.D
Acq: 13 Sep 2019 00:58

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

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

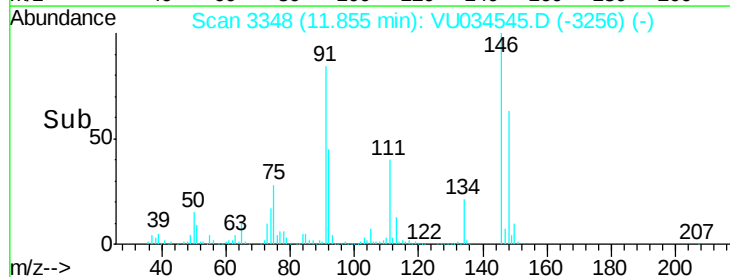
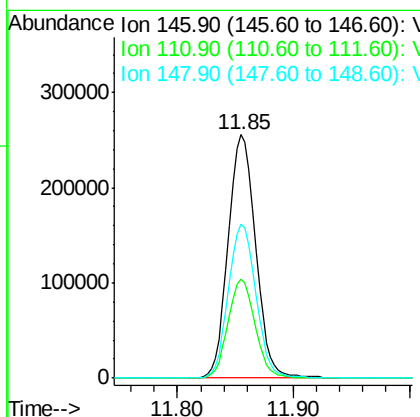
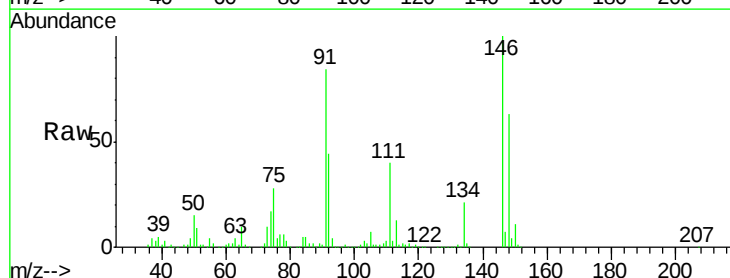
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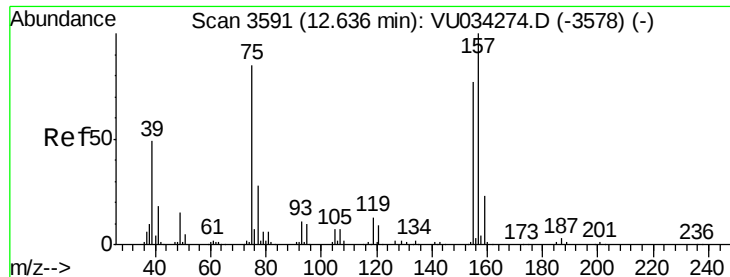
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#91
1,2-Dichlorobenzene
Concen: 54.650 ug/l
RT: 11.85 min Scan# 3348
Delta R.T. -0.00 min
Lab File: VU034545.D
Acq: 13 Sep 2019 00:58

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	417517		
111	40.1	20.0	60.0	
148	63.8	31.6	94.8	





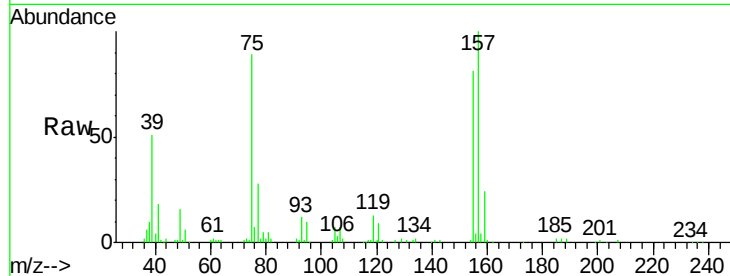
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.857 ug/l
 RT: 12.63 min Scan# 3590
 Delta R.T. -0.00 min
 Lab File: VU034545.D
 Acq: 13 Sep 2019 00:58

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

Tot Ion	Ratio	Lower	Upper
75	100		
155	91.9	44.6	134.0
157	117.1	58.2	174.6

Manual Integrations
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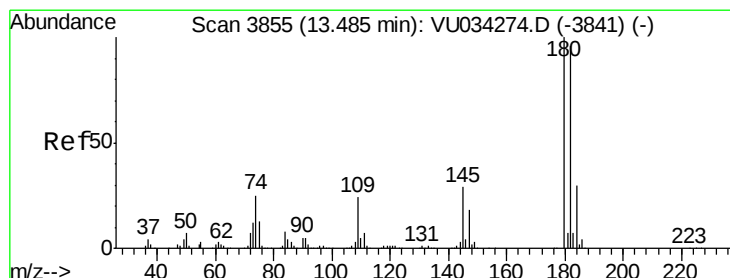
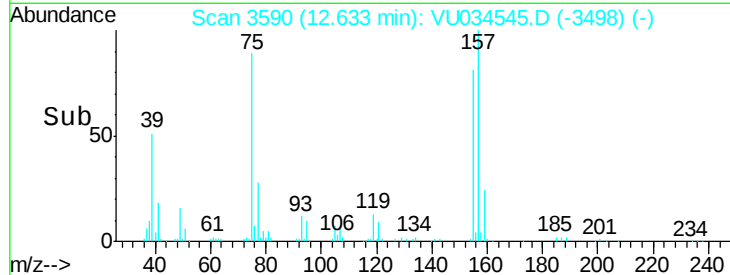
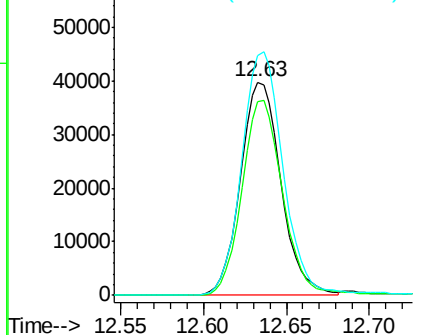
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Abundance Ion 74.90 (74.60 to 75.60): VU034274.D (-3578) (-)

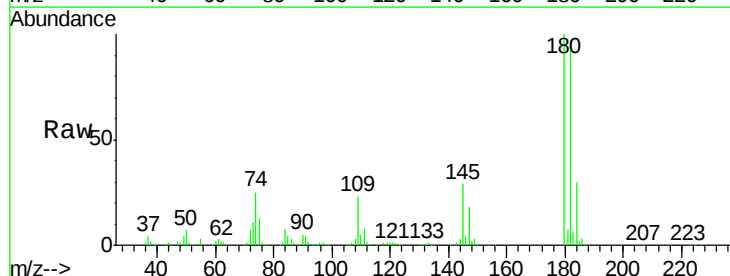
Ion 154.80 (154.50 to 155.50): VU034274.D (-3578) (-)

Ion 156.80 (156.50 to 157.50): VU034274.D (-3578) (-)



#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

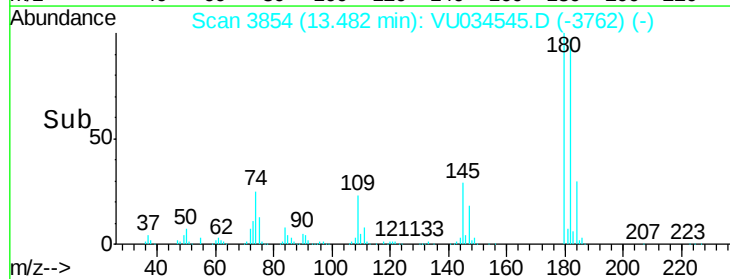
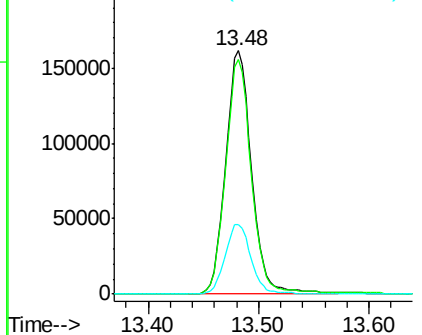
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.9	143.8
145	29.0	14.4	43.0

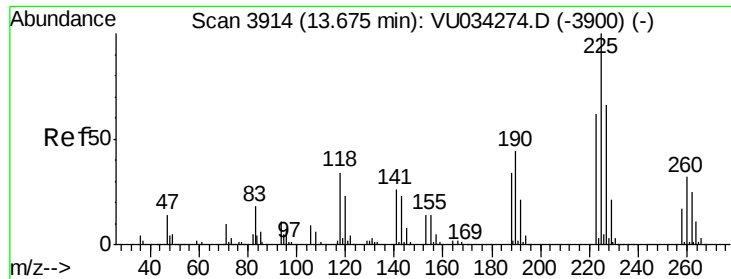


Abundance Ion 179.80 (179.50 to 180.50): VU034274.D (-3841) (-)

Ion 181.80 (181.50 to 182.50): VU034274.D (-3841) (-)

Ion 144.80 (144.50 to 145.50): VU034274.D (-3841) (-)





#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

Instrument :

MSVOA_U

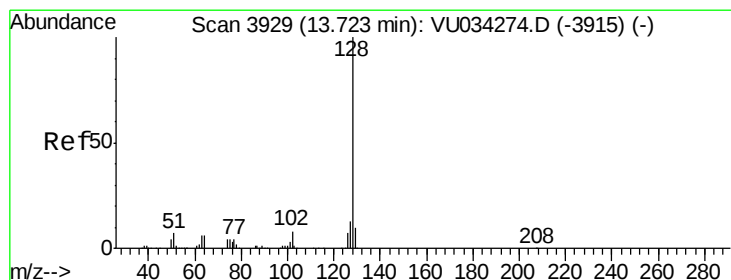
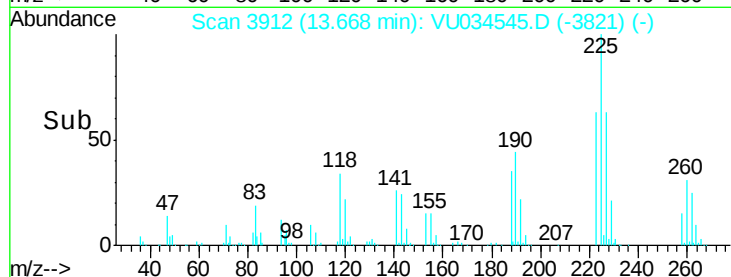
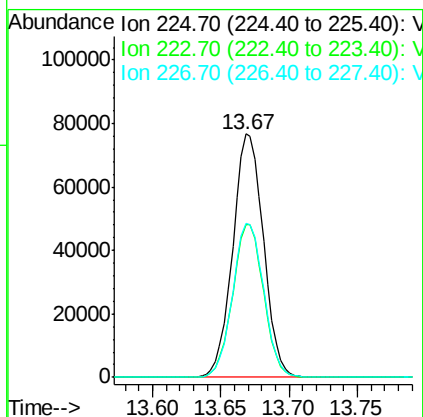
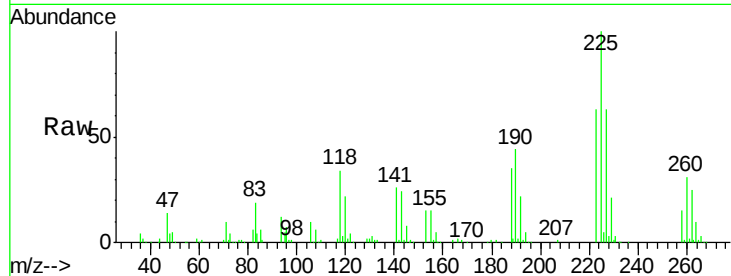
ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

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

Manual Integrations
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#95

Naphthalene

Concen: 48.548 ug/l

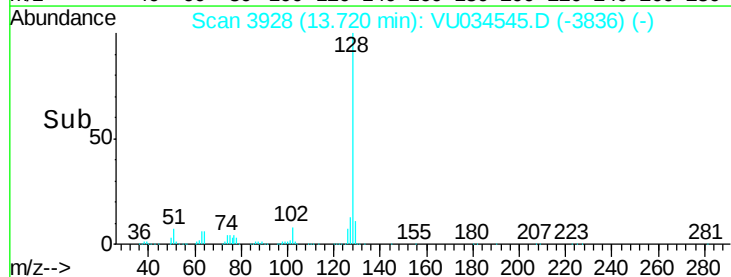
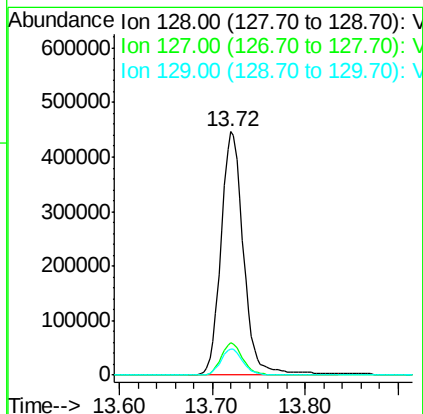
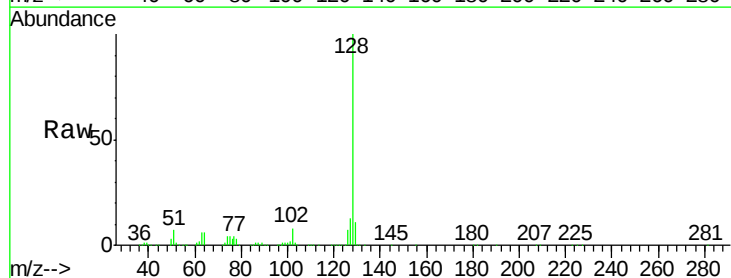
RT: 13.72 min Scan# 3928

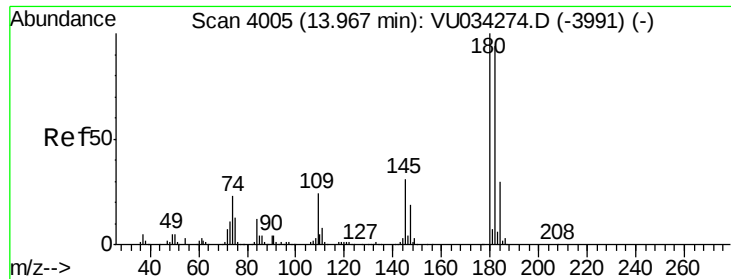
Delta R.T. -0.00 min

Lab File: VU034545.D

Acq: 13 Sep 2019 00:58

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

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

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

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 11:15:36 AM

