

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U091219\
 Data File : VU034546.D
 Acq On : 13 Sep 2019 01:21
 Operator : JC/SP
 Sample : K4756-03MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 42 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 11:15:40 AM

Quant Time: Sep 13 08:31:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 05:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	236270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	345949	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	345924	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	233901	50.00	ug/l	0.00

System Monitoring Compounds

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

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	113604	45.974	ug/l	99
3) Chloromethane	1.32	50	137455	51.491	ug/l	99
4) Vinyl Chloride	1.40	62	144681	46.987	ug/l	99
5) Bromomethane	1.60	94	91851	59.590	ug/l	99
6) Chloroethane	1.68	64	94796	53.028	ug/l	97
7) Trichlorofluoromethane	1.87	101	210811	51.060	ug/l	99
8) Diethyl Ether	2.09	74	96672	53.231	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.27	101	136915	50.069	ug/l	98
10) Methyl Iodide	2.40	142	128494	51.255	ug/l	99
11) Tert butyl alcohol	2.81	59	239968	317.740	ug/l	100
12) 1,1-Dichloroethene	2.27	96	131654	51.215	ug/l	97
13) Acrolein	2.18	56	132280	208.392	ug/l	99
14) Allyl chloride	2.58	41	246875m	50.234	ug/l	
15) Acrylonitrile	2.92	53	546036	290.336	ug/l	99
16) Acetone	2.31	43	438684	237.132	ug/l	99
17) Carbon Disulfide	2.46	76	243860	42.208	ug/l	100
18) Methyl Acetate	2.60	43	228947	50.861	ug/l	97
19) Methyl tert-butyl Ether	2.98	73	531428	56.717	ug/l	99
20) Methylene Chloride	2.68	84	172300	56.918	ug/l	98
21) trans-1,2-Dichloroethene	2.96	96	136642	50.441	ug/l	97
22) Diisopropyl ether	3.55	45	539008	56.240	ug/l	98
23) Vinyl Acetate	3.50	43	2056998	263.487	ug/l	99
24) 1,1-Dichloroethane	3.42	63	303963	53.107	ug/l	100
25) 2-Butanone	4.24	43	707844	286.640	ug/l	98
26) 2,2-Dichloropropane	4.20	77	191084	41.510	ug/l	97
27) cis-1,2-Dichloroethene	4.20	96	184840	56.181	ug/l	94
28) Bromochloromethane	4.52	49	147243	55.931	ug/l	97
29) Tetrahydrofuran	4.61	42	440501	293.144	ug/l	99
30) Chloroform	4.65	83	312900	53.783	ug/l	99
31) Cyclohexane	4.97	56	201115	48.030	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	253333	54.463	ug/l	99
36) 1,1-Dichloropropene	5.12	75	192630	51.343	ug/l	98
37) Ethyl Acetate	4.36	43	234295	52.818	ug/l	98
38) Carbon Tetrachloride	5.11	117	214108	53.447	ug/l	99

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

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

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 11:15:40 AM

Quant Time: Sep 13 08:31:53 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)
39) Methylcyclohexane	6.40	83	193180	48.166	ug/l	98
40) Benzene	5.37	78	649717	53.668	ug/l	99
41) Methacrylonitrile	4.52	41	140324	59.388	ug/l	99
42) 1,2-Dichloroethane	5.38	62	226839	53.968	ug/l	99
43) Isopropyl Acetate	5.53	43	375748	54.299	ug/l	100
44) Trichloroethene	6.17	130	178335	53.233	ug/l	99
45) 1,2-Dichloropropane	6.41	63	192070	54.270	ug/l	98
46) Dibromomethane	6.54	93	119943	53.990	ug/l	99
47) Bromodichloromethane	6.73	83	248182	54.272	ug/l	99
48) Methyl methacrylate	6.60	41	185231	56.358	ug/l	99
49) 1,4-Dioxane	6.59	88	92819	1293.290	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	1400343	292.348	ug/l	100
52) Toluene	7.62	92	419013	55.174	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	248760	52.477	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	270937	52.076	ug/l	98
55) 1,1,2-Trichloroethane	8.04	97	190837	55.341	ug/l	99
56) Ethyl methacrylate	8.00	69	280401	53.304	ug/l	98
57) 1,3-Dichloropropane	8.22	76	311966	55.557	ug/l	99
59) 2-Hexanone	8.34	43	1063521	297.208	ug/l	100
60) Dibromochloromethane	8.45	129	211145	57.086	ug/l	99
61) 1,2-Dibromoethane	8.56	107	185629	54.998	ug/l	98
64) Tetrachloroethene	8.21	164	250242	83.384	ug/l	98
65) Chlorobenzene	9.10	112	485288	55.296	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.19	131	189370	56.540	ug/l	99
67) Ethyl Benzene	9.23	91	806797	56.224	ug/l	99
68) m/p-Xylenes	9.35	106	626668	115.974	ug/l	100
69) o-Xylene	9.76	106	308071	58.298	ug/l	99
70) Stvrene	9.77	104	560377	60.483	ug/l	99
71) Bromoform	9.94	173	168175	57.937	ug/l #	99
73) Isopropylbenzene	10.14	105	851755	55.957	ug/l	100
74) N-amyl acetate	9.99	43	331521	54.107	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.43	83	337111	54.713	ug/l	99
76) 1,2,3-Trichloropropane	10.47	75	286161m	56.048	ug/l	
77) Bromobenzene	10.43	156	236054	55.461	ug/l	99
78) n-propylbenzene	10.57	91	969638	55.157	ug/l	100
79) 2-Chlorotoluene	10.64	91	595678	55.534	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	736437	57.848	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	65630m	43.229	ug/l	
82) 4-Chlorotoluene	10.75	91	687891	55.728	ug/l	100
83) tert-Butylbenzene	11.08	119	722604	56.740	ug/l	98
84) 1,2,4-Trimethylbenzene	11.13	105	737128	57.522	ug/l	100
85) sec-Butylbenzene	11.30	105	847419	56.363	ug/l	100
86) p-Isopropyltoluene	11.45	119	777106	55.999	ug/l	99
87) 1,3-Dichlorobenzene	11.39	146	423894	54.579	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	425338	52.506	ug/l	100
89) n-Butylbenzene	11.86	91	661198	54.828	ug/l	99
90) Hexachloroethane	12.12	117	116715	52.570	ug/l	98
91) 1,2-Dichlorobenzene	11.86	146	420000	55.025	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.63	75	65731	58.056	ug/l	96
93) 1,2,4-Trichlorobenzene	13.48	180	275818	49.837	ug/l	100

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

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

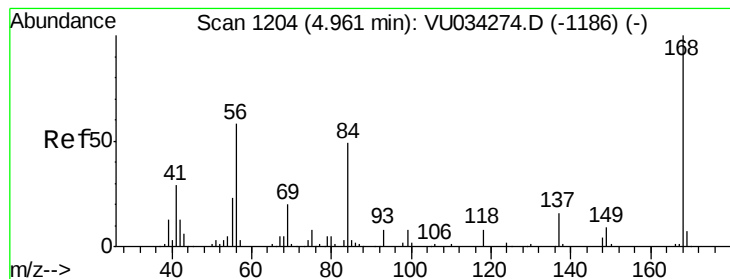
Manual Integrations
APPROVED

MMDadoda
9/16/2019 11:15:40 AM

Quant Time: Sep 13 08:31:53 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)
94) Hexachlorobutadiene	13.67	225	123010	46.072	ug/l	99
95) Naphthalene	13.72	128	839234	53.531	ug/l	99
96) 1,2,3-Trichlorobenzene	13.96	180	279096	52.081	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

Tot Ion:168 Resp: 236270

Ion Ratio Lower Upper

168 100

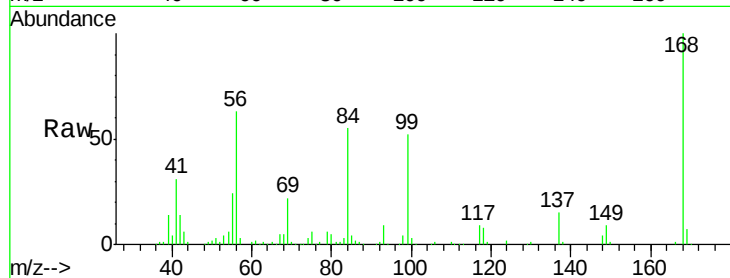
99 51.9 41.6 62.4

Manual Integrations

APPROVED

MMDadoda

9/16/2019 11:15:40 AM



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

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

4.96

120000

100000

80000

60000

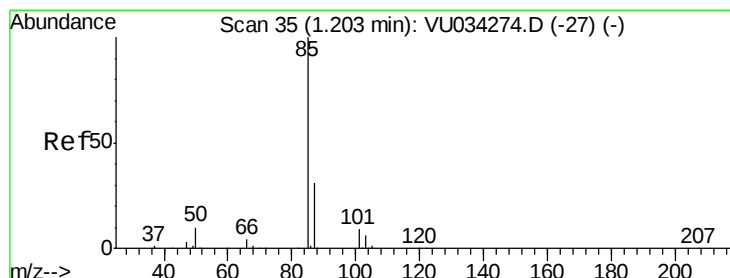
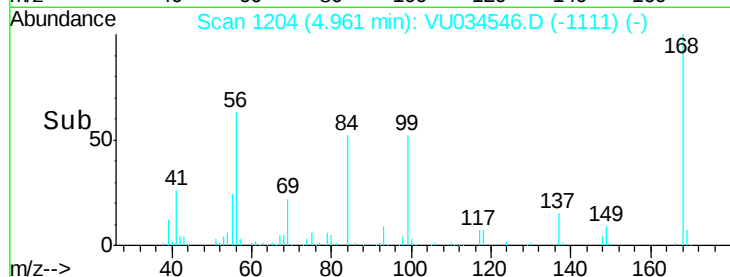
40000

20000

0

4.85 4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 45.974 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034546.D

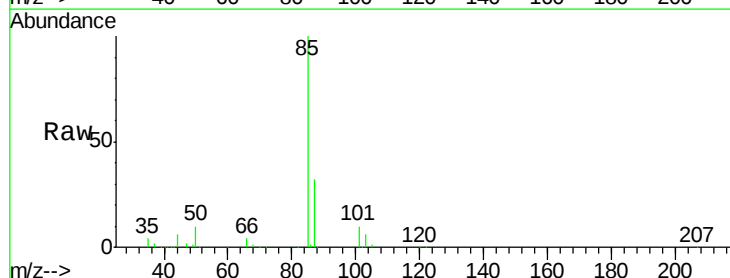
Acq: 13 Sep 2019 01:21

Tgt Ion: 85 Resp: 113604

Ion Ratio Lower Upper

85 100

87 31.9 15.7 47.0



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

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

1.20

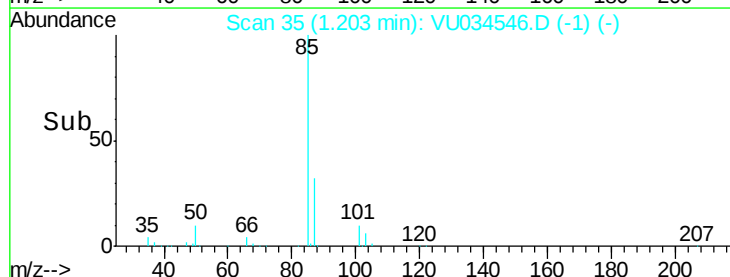
100000

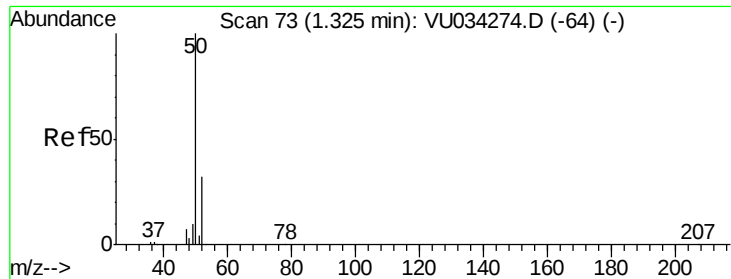
50000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 51.491 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

Tot Ion: 50 Resp: 137455

Ion Ratio Lower Upper

50 100

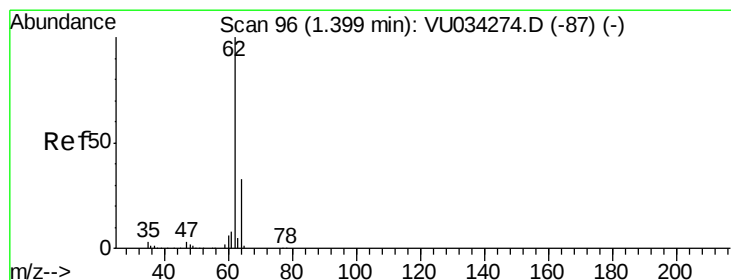
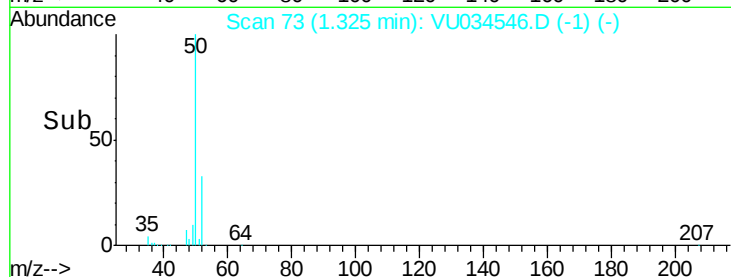
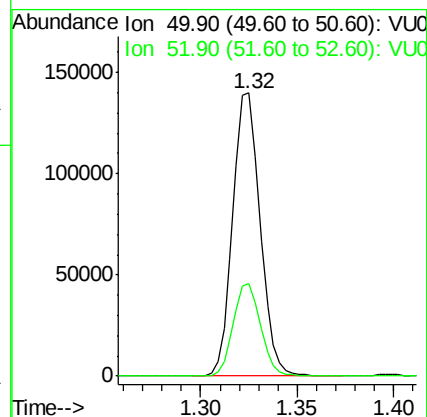
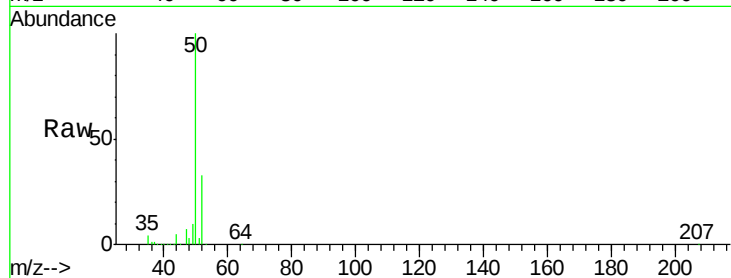
52 32.9 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

9/16/2019 11:15:40 AM



#4

Vinyl Chloride

Concen: 46.987 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034546.D

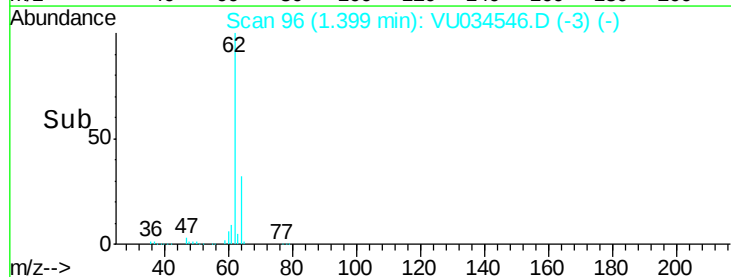
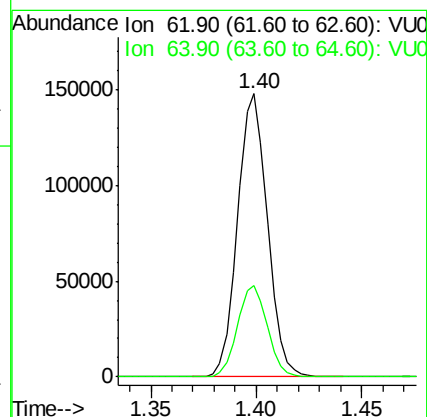
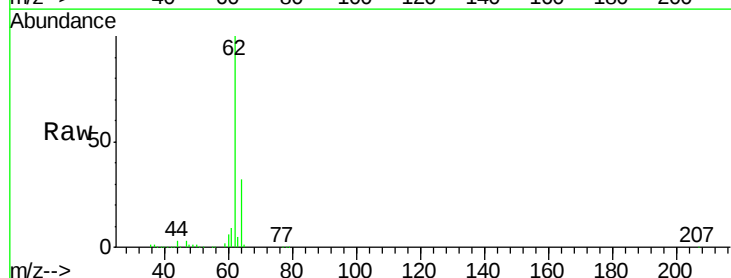
Acq: 13 Sep 2019 01:21

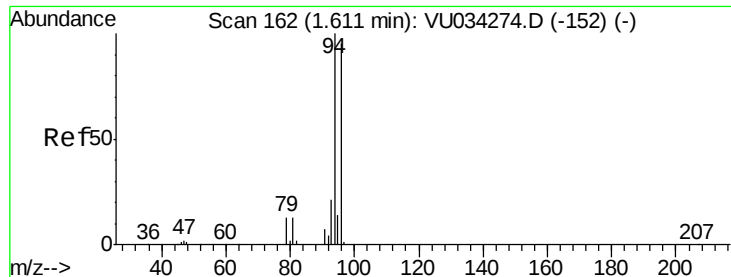
Tgt Ion: 62 Resp: 144681

Ion Ratio Lower Upper

62 100

64 32.2 26.2 39.4





#5

Bromomethane

Concen: 59.590 ug/l

RT: 1.60 min Scan# 160

Delta R.T. -0.01 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

Tot Ion: 94 Resp: 91851

Ion Ratio Lower Upper

94 100

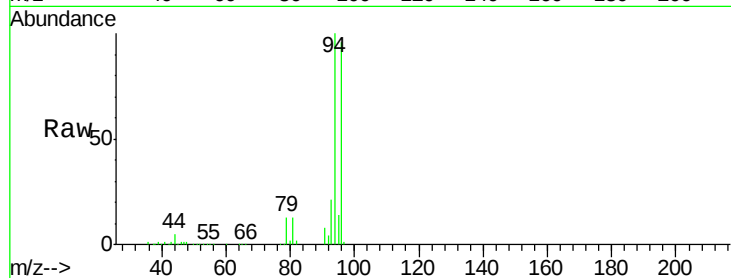
96 95.9 75.7 113.5

Manual Integrations

APPROVED

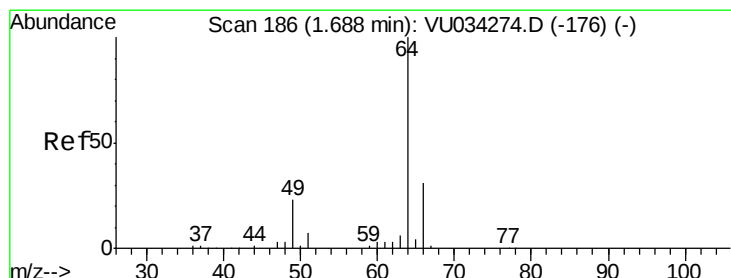
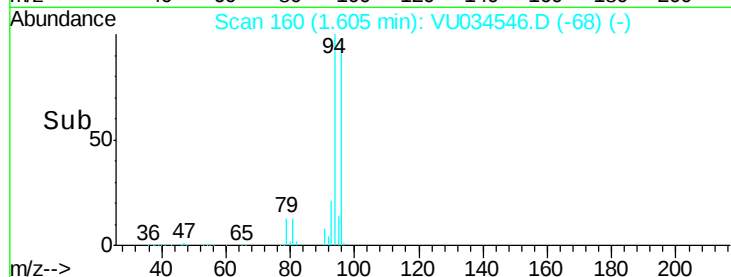
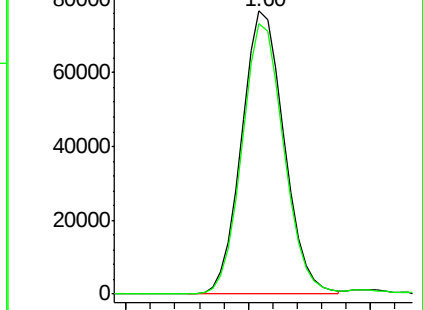
MMDadoda

9/16/2019 11:15:40 AM



Abundance Ion 93.90 (93.60 to 94.60): VU034546.D (-160) (-)

Ion 95.90 (95.60 to 96.60): VU034546.D (-160) (-)



#6

Chloroethane

Concen: 53.028 ug/l

RT: 1.68 min Scan# 184

Delta R.T. -0.01 min

Lab File: VU034546.D

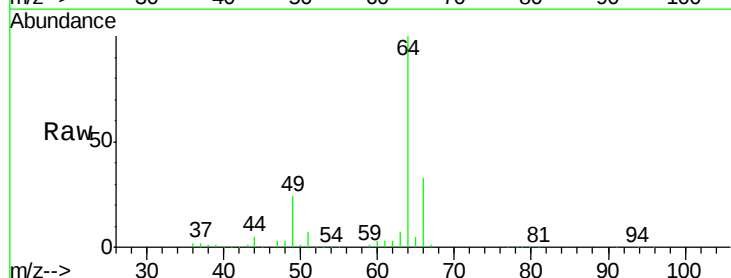
Acq: 13 Sep 2019 01:21

Tgt Ion: 64 Resp: 94796

Ion Ratio Lower Upper

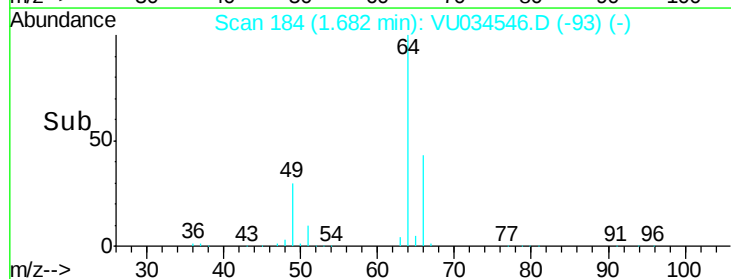
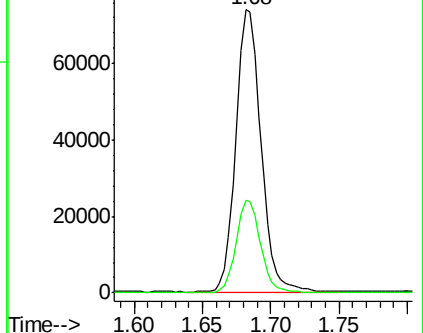
64 100

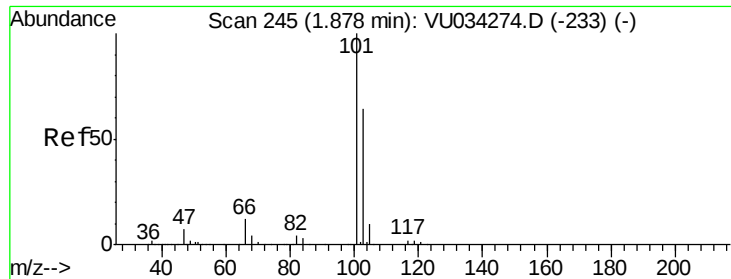
66 32.7 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU034546.D (-93) (-)

Ion 65.90 (65.60 to 66.60): VU034546.D (-93) (-)





#7

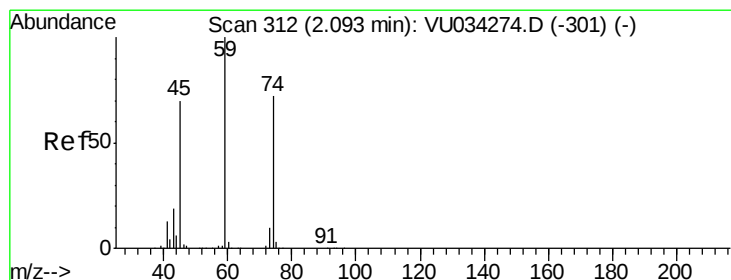
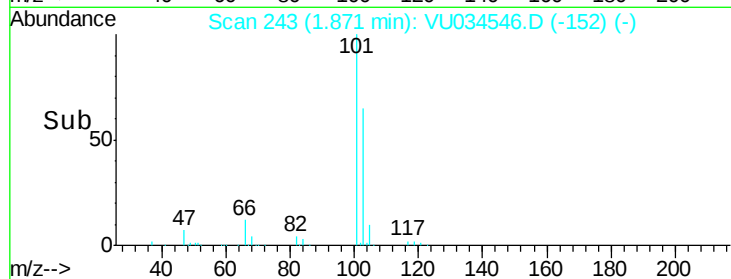
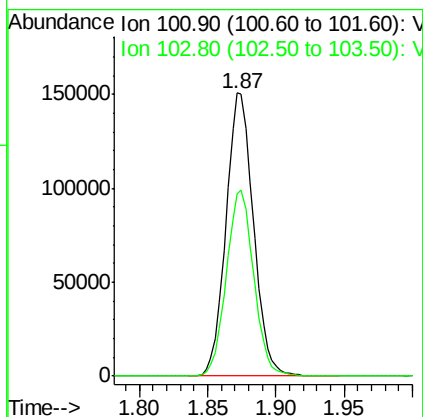
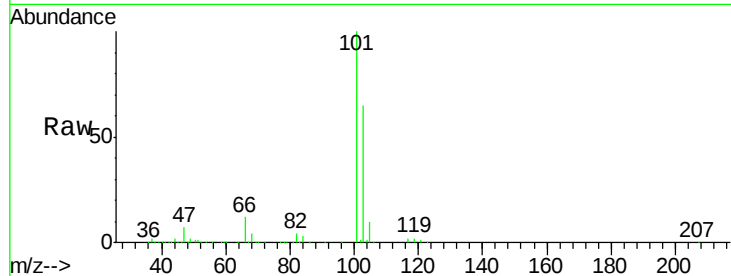
Trichlorofluoromethane
Concen: 51.060 ug/l
RT: 1.87 min Scan# 243
Delta R.T. -0.01 min
Lab File: VU034546.D
Acq: 13 Sep 2019 01:21

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

Tot Ion	Ratio	Resp	Lower	Upper
101	100	210811		
103	64.5	51.0	76.6	

Manual Integrations
APPROVED

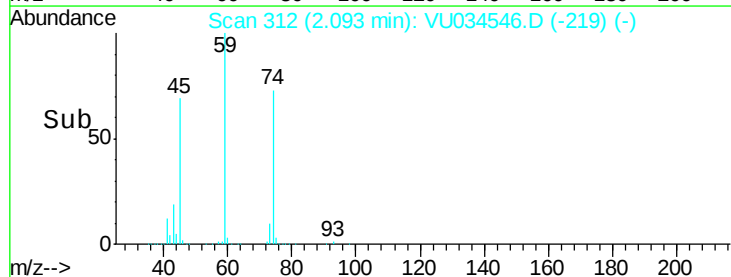
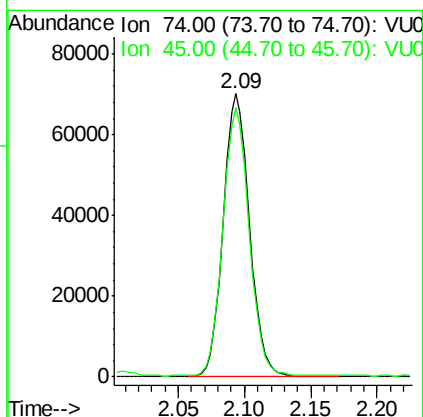
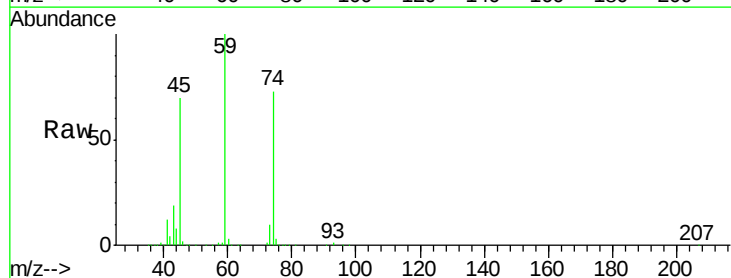
MMDadoda
9/16/2019 11:15:40 AM

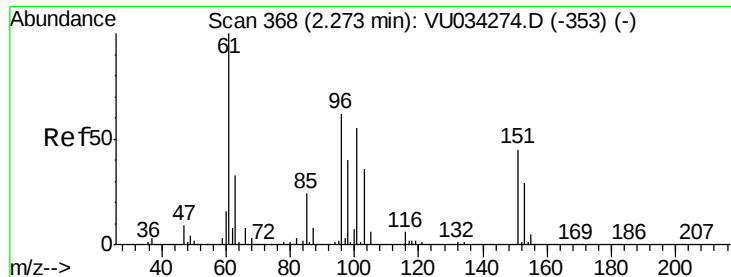


#8

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

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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.069 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Instrument :

MSVOA_U

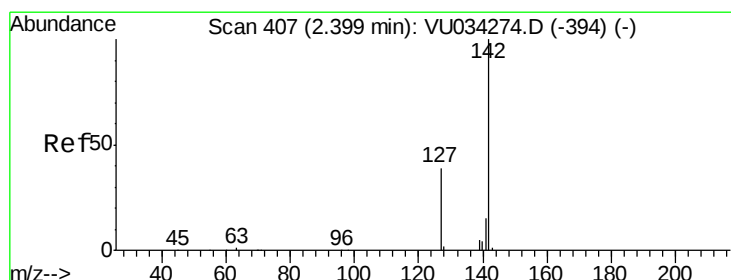
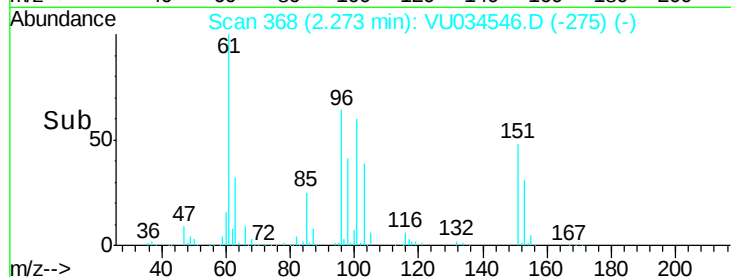
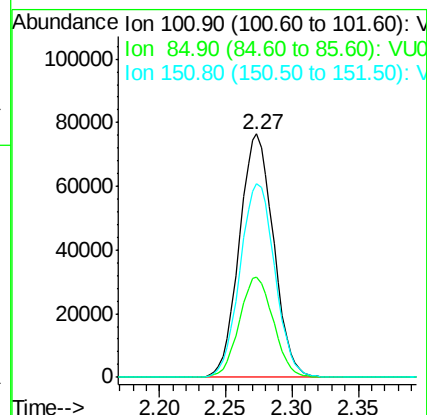
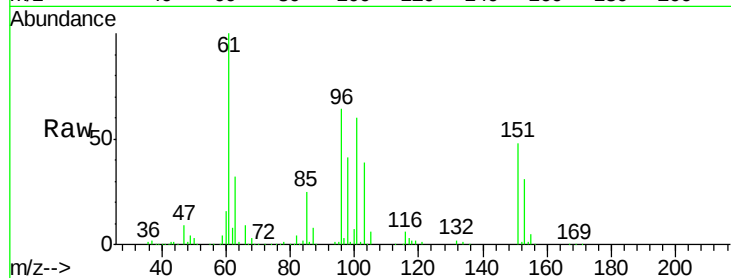
ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

Tot Ion:	101	Resp:	136915
Ion Ratio	Lower	Upper	
101	100		
85	41.1	34.4	51.6
151	81.2	64.4	96.6

Manual Integrations
APPROVED

MMDadoda
9/16/2019 11:15:40 AM



#10

Methyl Iodide

Concen: 51.255 ug/l

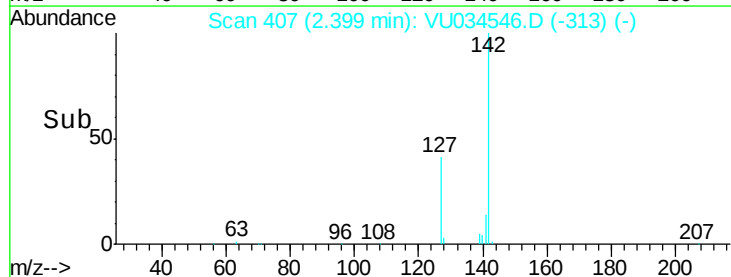
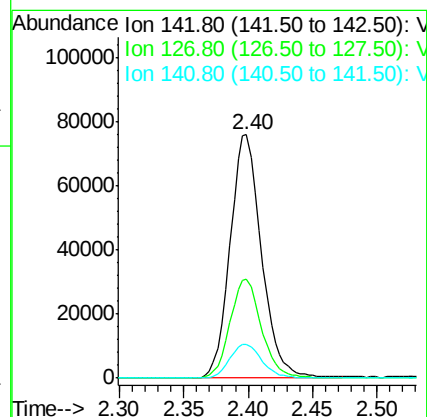
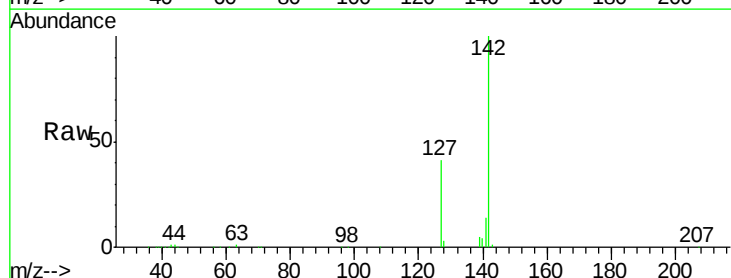
RT: 2.40 min Scan# 407

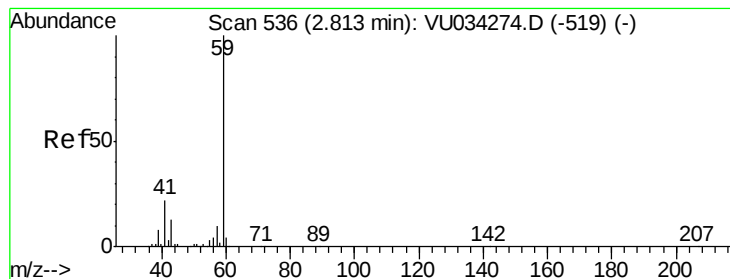
Delta R.T. 0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Tgt Ion:	142	Resp:	128494
Ion Ratio	Lower	Upper	
142	100		
127	40.7	32.1	48.1
141	14.4	11.5	17.3





#11

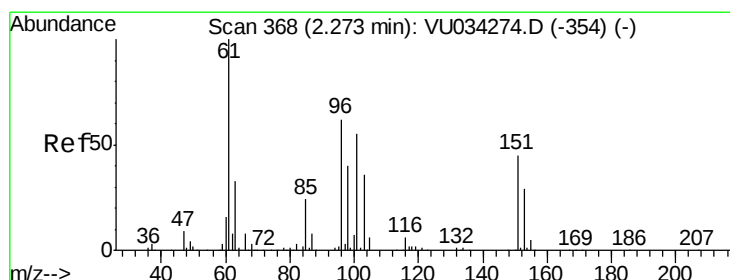
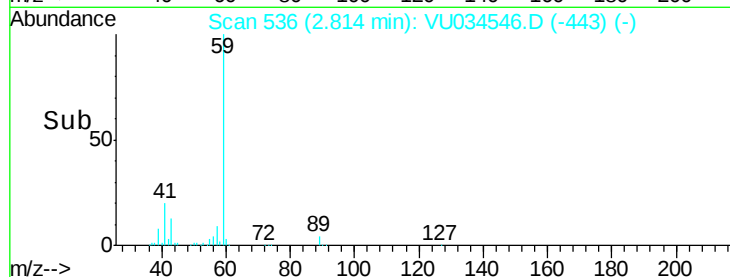
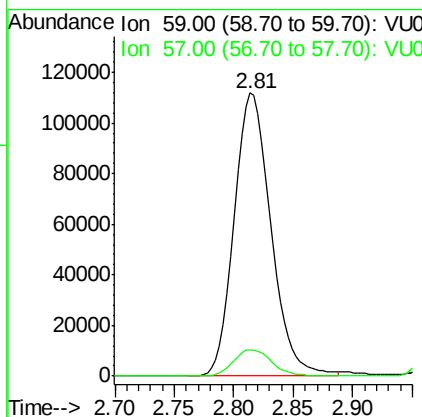
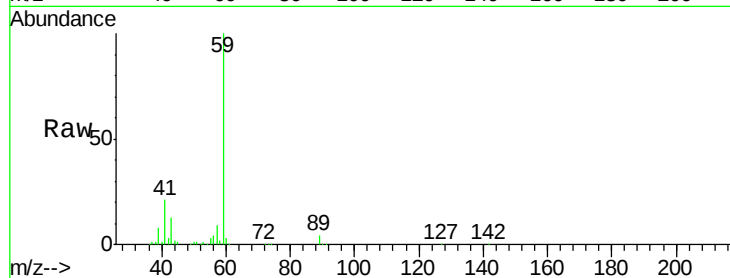
Tert butyl alcohol
 Concen: 317.740 ug/l
 RT: 2.81 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VU034546.D
 Acq: 13 Sep 2019 01:21

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

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	7.9	11.9

Manual Integrations
 APPROVED

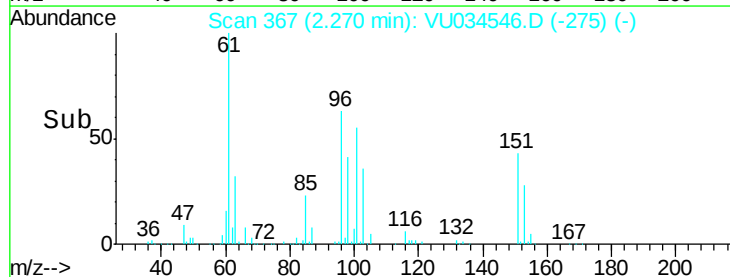
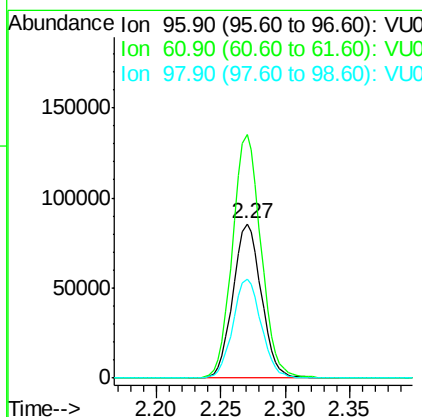
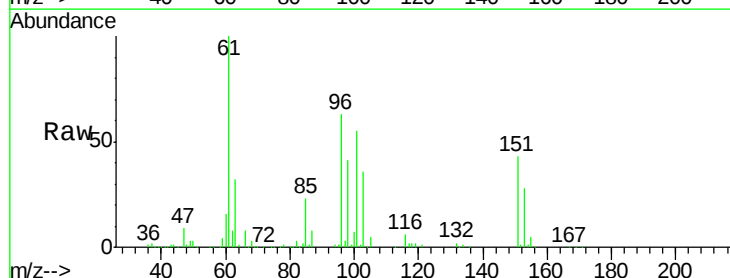
MMDadoda
 9/16/2019 11:15:40 AM

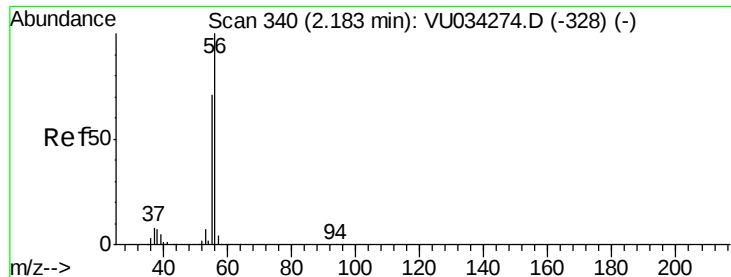


#12

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

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





#13

Acrolein

Concen: 208.392 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

Tot Ion: 56 Resp: 132280

Ion Ratio Lower Upper

56 100

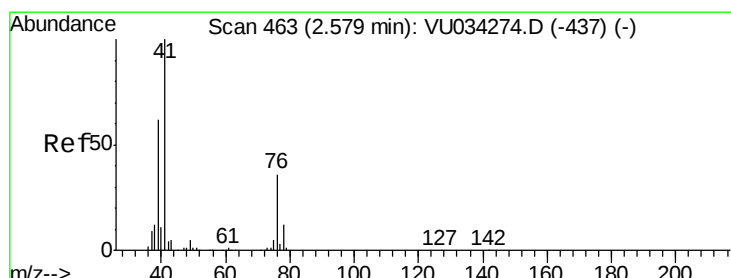
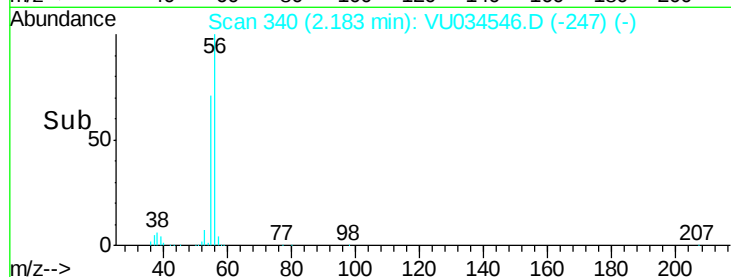
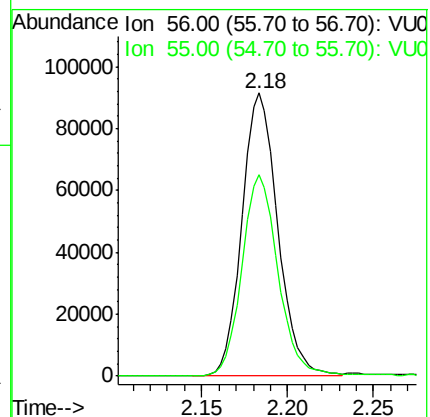
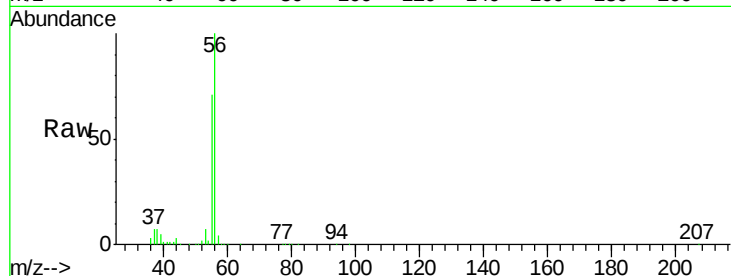
55 71.4 57.4 86.2

Manual Integrations

APPROVED

MMDadoda

9/16/2019 11:15:40 AM



#14

Allyl chloride

Concen: 50.234 ug/l m

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

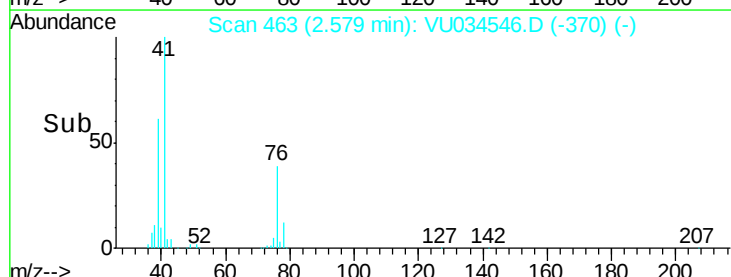
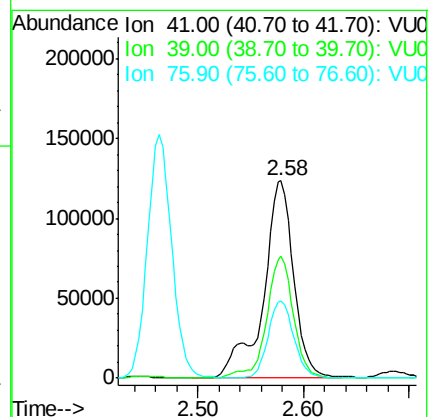
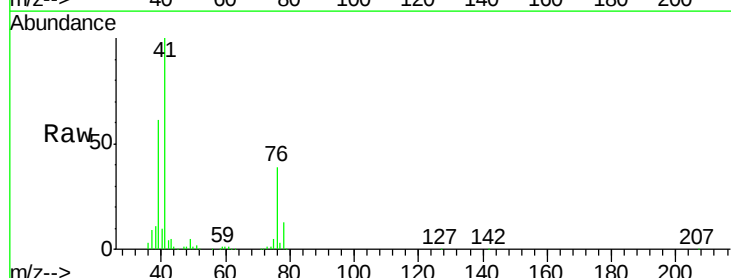
Tgt Ion: 41 Resp: 246875

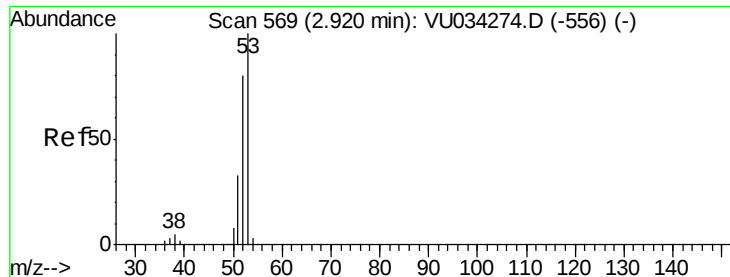
Ion Ratio Lower Upper

41 100

39 54.4 43.5 65.3

76 32.6 27.0 40.6





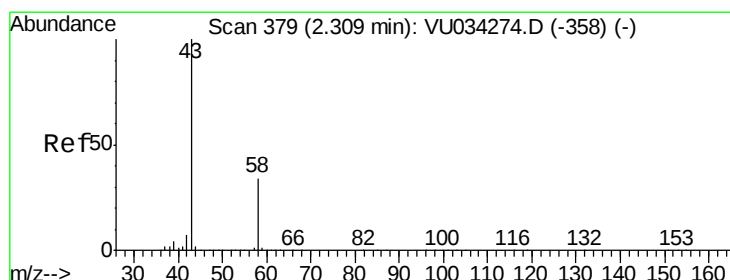
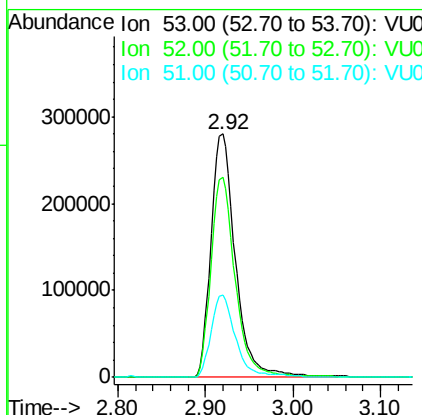
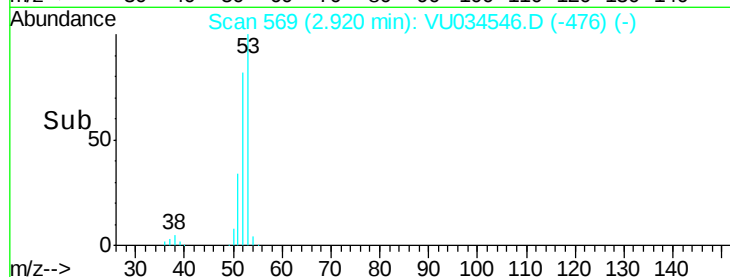
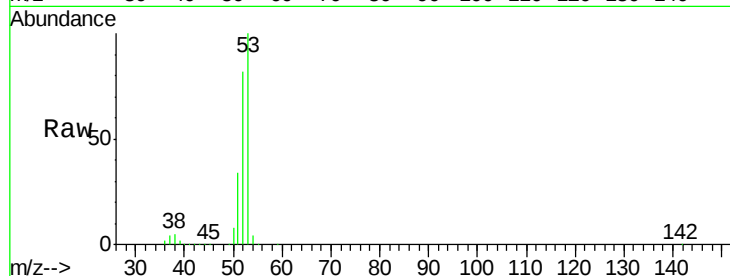
#15
 Acrylonitrile
 Concen: 290.336 ug/l
 RT: 2.92 min Scan# 569
 Delta R.T. 0.00 min
 Lab File: VU034546.D
 Acq: 13 Sep 2019 01:21

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

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

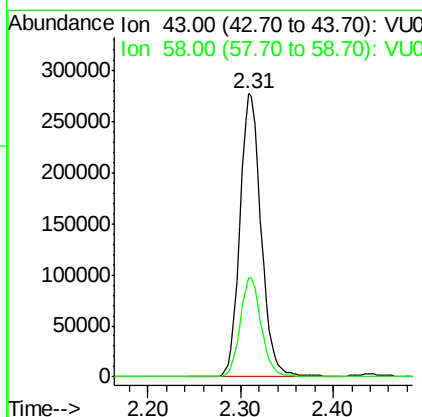
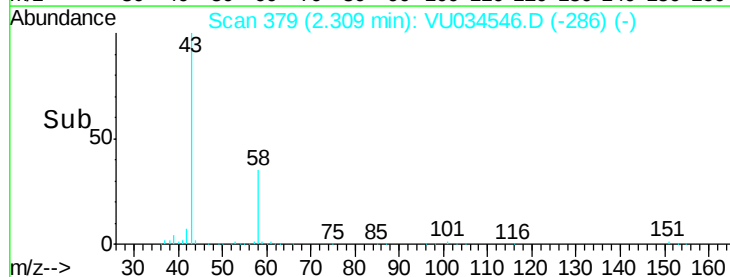
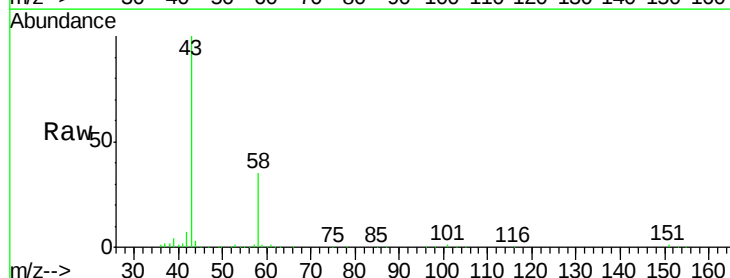
Manual Integrations
 APPROVED

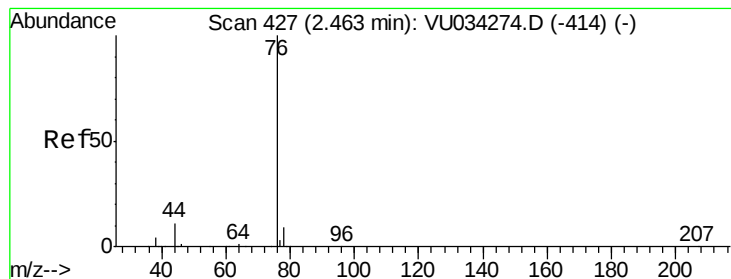
MMDadoda
 9/16/2019 11:15:40 AM



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

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





#17

Carbon Disulfide

Concen: 42.208 ug/l

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

Tot Ion: 76 Resp: 243860

Ion Ratio Lower Upper

76 100

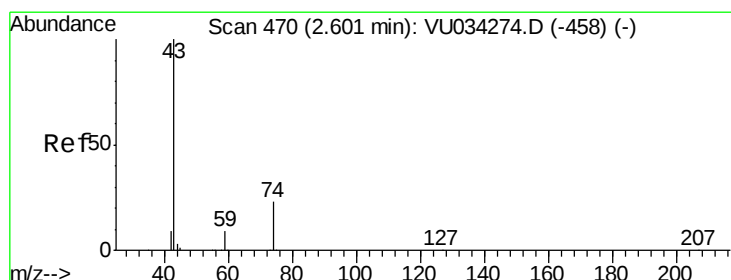
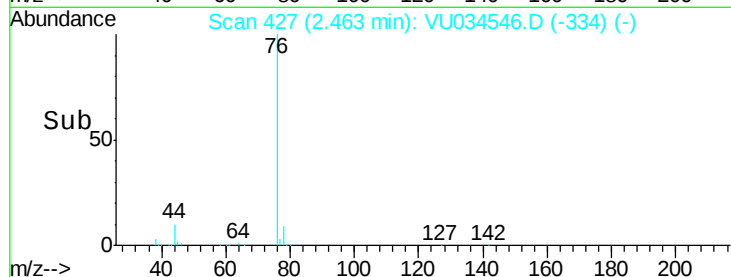
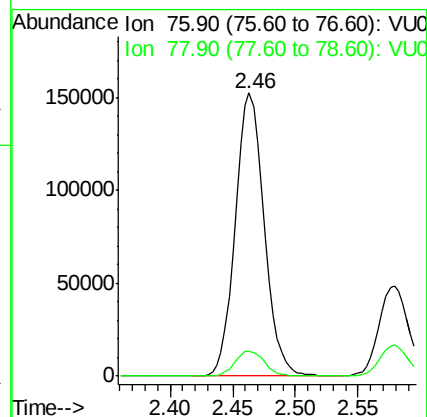
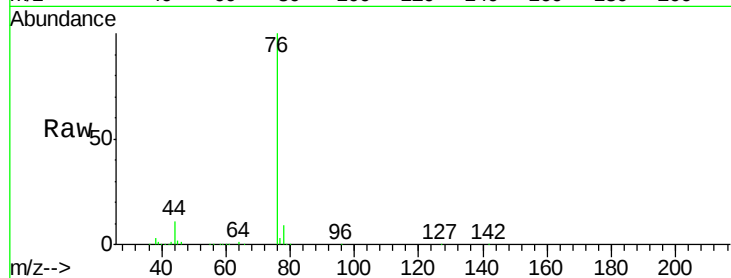
78 8.9 7.2 10.8

Manual Integrations

APPROVED

MMDadoda

9/16/2019 11:15:40 AM



#18

Methyl Acetate

Concen: 50.861 ug/l

RT: 2.60 min Scan# 470

Delta R.T. 0.00 min

Lab File: VU034546.D

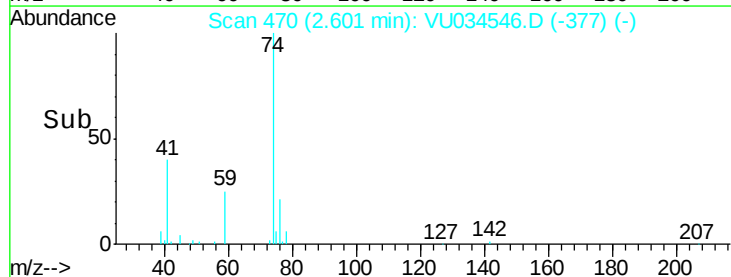
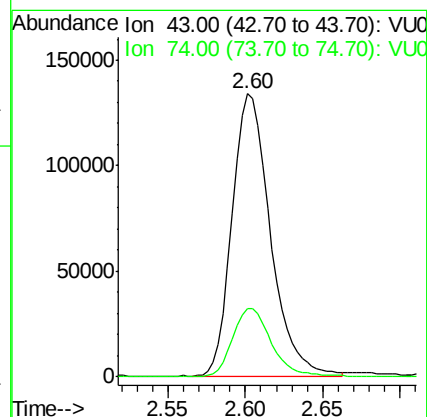
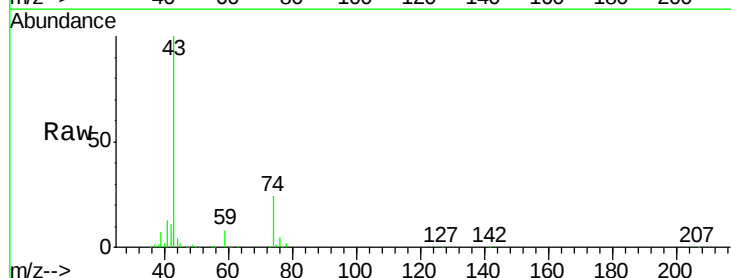
Acq: 13 Sep 2019 01:21

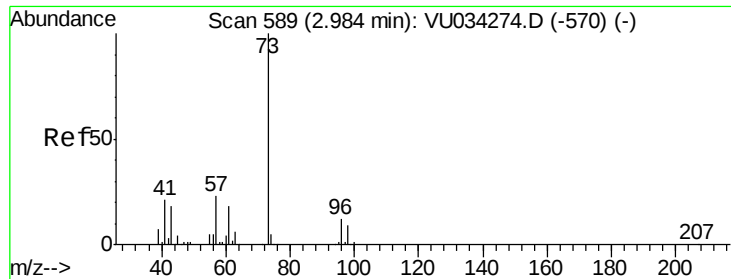
Tgt Ion: 43 Resp: 228947

Ion Ratio Lower Upper

43 100

74 24.9 18.9 28.3





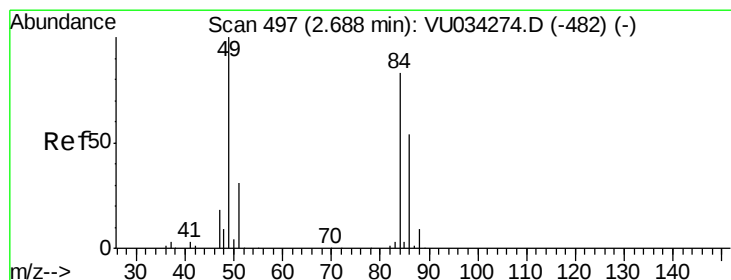
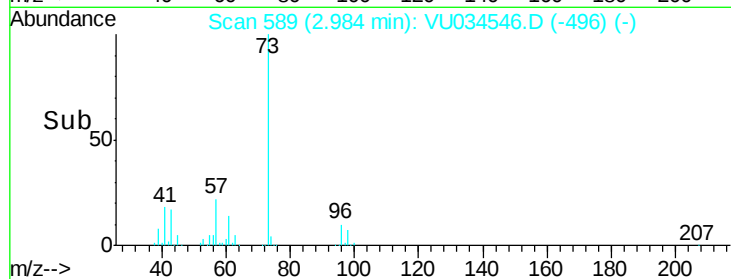
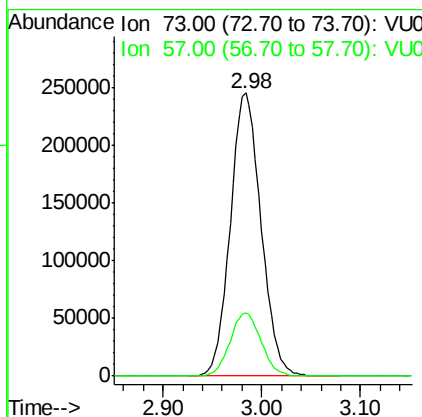
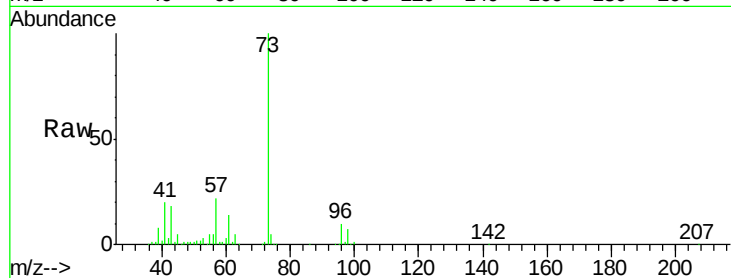
#19
Methvl tert-butvl Ether
Concen: 56.717 ug/l
RT: 2.98 min Scan# 589
Delta R.T. 0.00 min
Lab File: VU034546.D
Acq: 13 Sep 2019 01:21

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

Tot Ion: 73 Resp: 531428
Ion Ratio Lower Upper
73 100
57 22.3 18.2 27.4

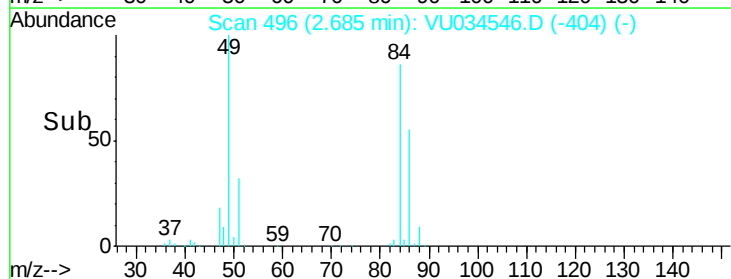
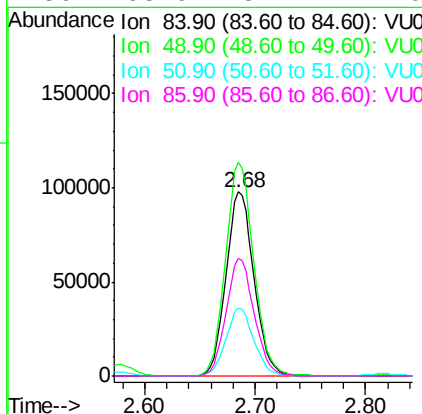
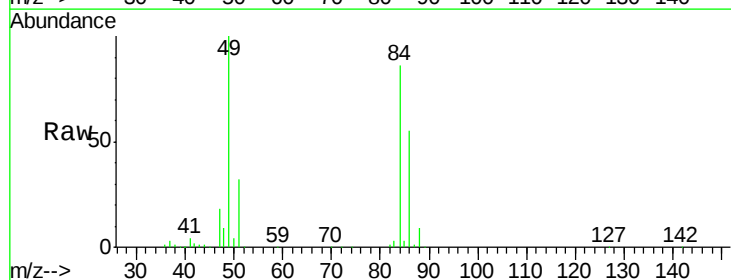
Manual Integrations
APPROVED

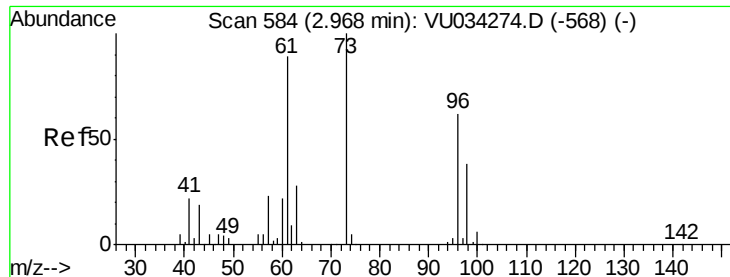
MMDadoda
9/16/2019 11:15:40 AM



#20
Methylene Chloride
Concen: 56.918 ug/l
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU034546.D
Acq: 13 Sep 2019 01:21

Tgt Ion: 84 Resp: 172300
Ion Ratio Lower Upper
84 100
49 116.0 96.0 144.0
51 37.1 30.0 45.0
86 63.9 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 50.441 ug/l

RT: 2.96 min Scan# 583

Delta R.T. -0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

Tot Ion: 96 Resp: 136642

Ion Ratio Lower Upper

96 100

61 140.4 114.8 172.2

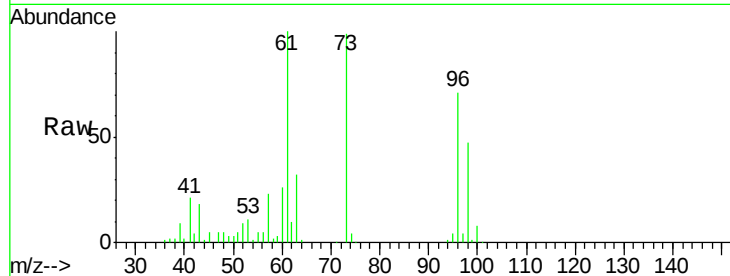
98 66.4 49.8 74.8

Manual Integrations

APPROVED

MMDadoda

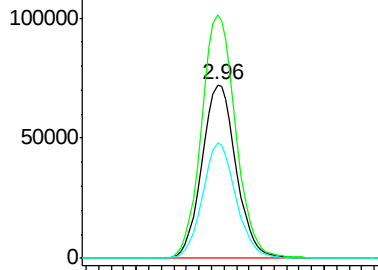
9/16/2019 11:15:40 AM



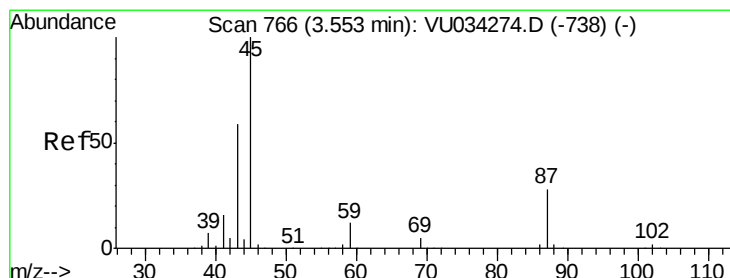
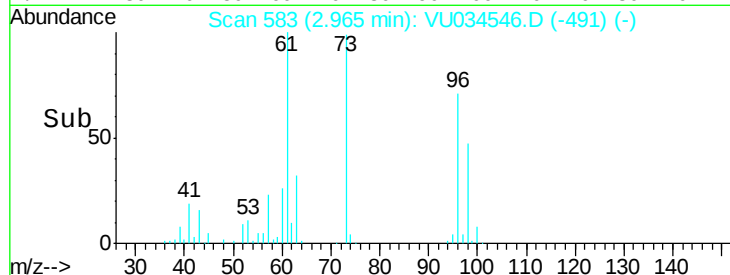
Abundance Ion 95.90 (95.60 to 96.60): VU034274.D (-568) (-)

Ion 60.90 (60.60 to 61.60): VU034274.D (-568) (-)

Ion 97.90 (97.60 to 98.60): VU034274.D (-568) (-)



Time-->



#22

Diisopropyl ether

Concen: 56.240 ug/l

RT: 3.55 min Scan# 766

Delta R.T. 0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Tgt Ion: 45 Resp: 539008

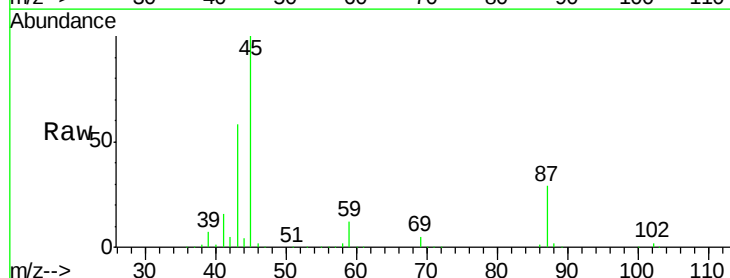
Ion Ratio Lower Upper

45 100

43 57.8 47.5 71.3

87 29.0 22.2 33.4

59 12.1 9.4 14.2

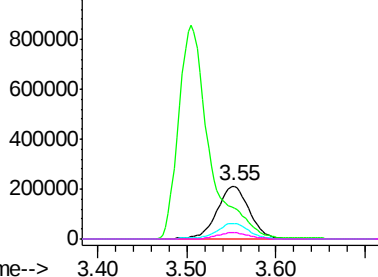


Abundance Ion 45.00 (44.70 to 45.70): VU034274.D (-738) (-)

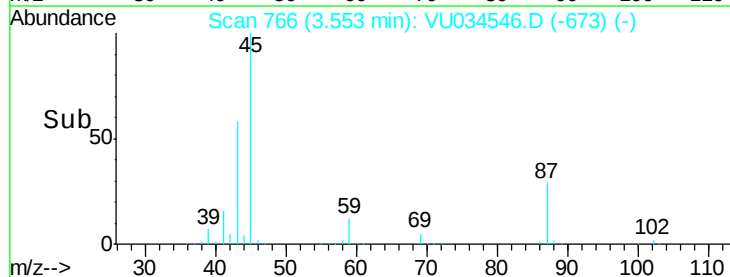
Ion 43.00 (42.70 to 43.70): VU034274.D (-738) (-)

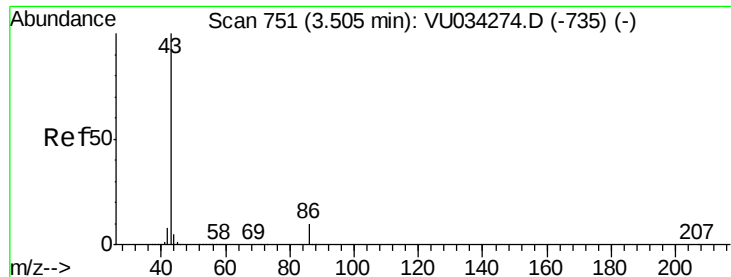
Ion 87.00 (86.70 to 87.70): VU034274.D (-738) (-)

Ion 59.00 (58.70 to 59.70): VU034274.D (-738) (-)



Time-->





#23

Vinyl Acetate

Concen: 263.487 ug/l

RT: 3.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

Tot Ion: 43 Resp: 2056998

Ion Ratio Lower Upper

43 100

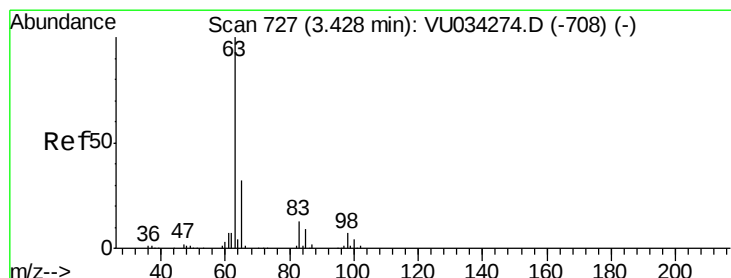
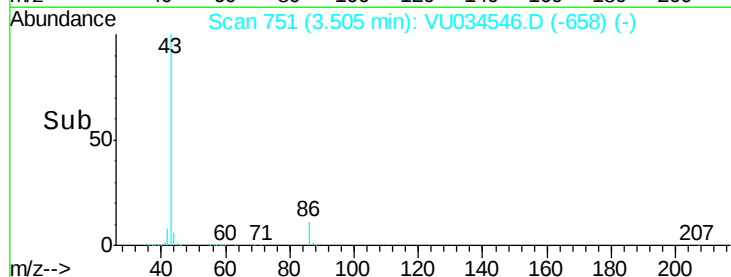
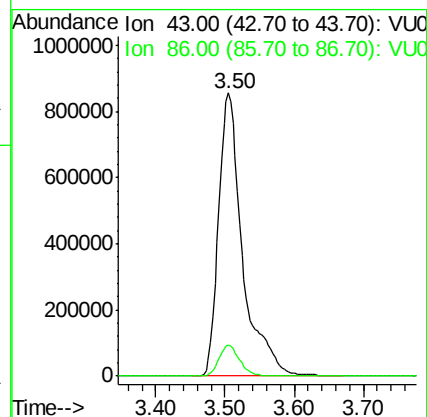
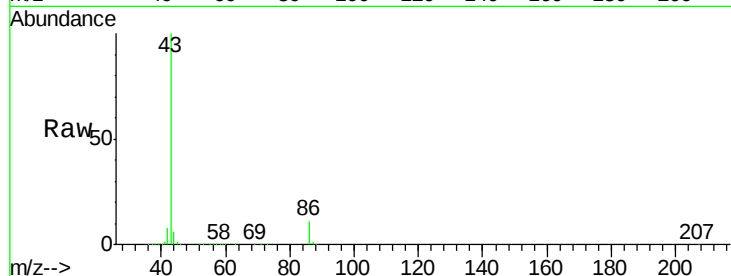
86 10.8 8.3 12.5

Manual Integrations

APPROVED

MMDadoda

9/16/2019 11:15:40 AM



#24

1,1-Dichloroethane

Concen: 53.107 ug/l

RT: 3.42 min Scan# 726

Delta R.T. -0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

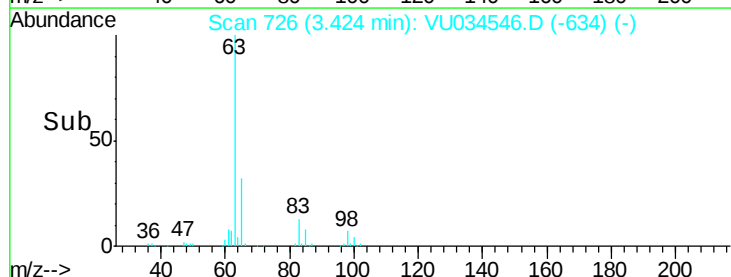
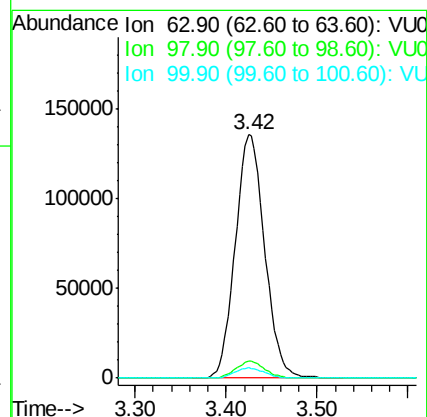
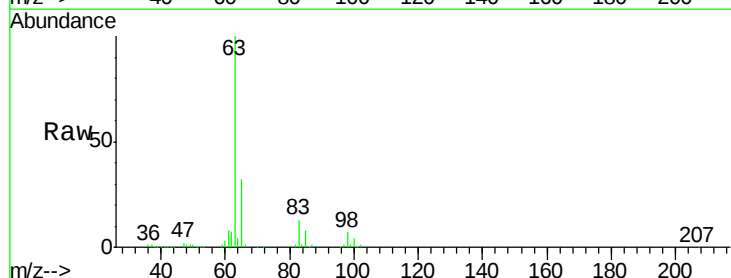
Tgt Ion: 63 Resp: 303963

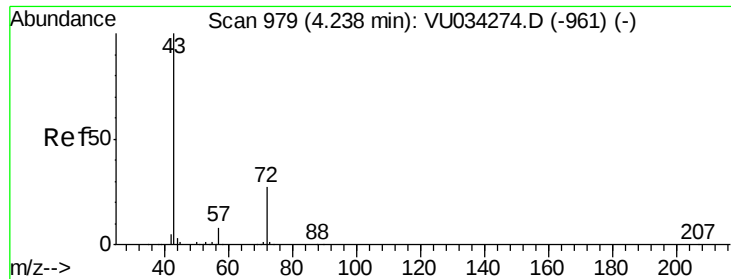
Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.4

100 4.2 2.1 6.5





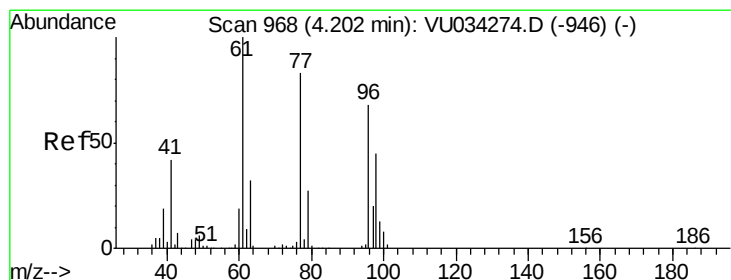
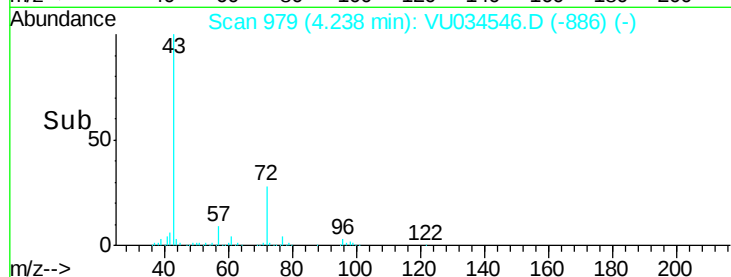
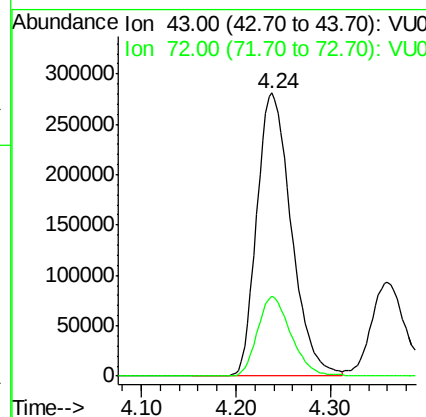
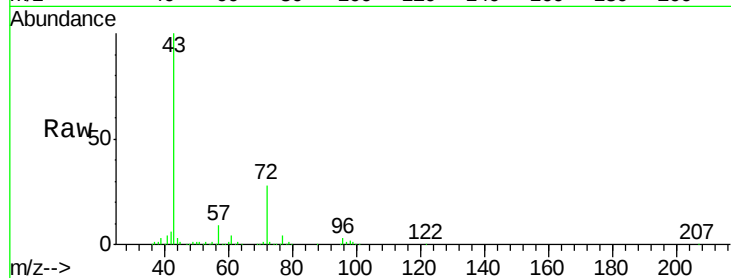
#25
2-Butanone
Concen: 286.640 ug/l
RT: 4.24 min Scan# 979
Delta R.T. 0.00 min
Lab File: VU034546.D
Acq: 13 Sep 2019 01:21

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

Tot Ion: 43 Resp: 707844
Ion Ratio Lower Upper
43 100
72 28.3 21.8 32.6

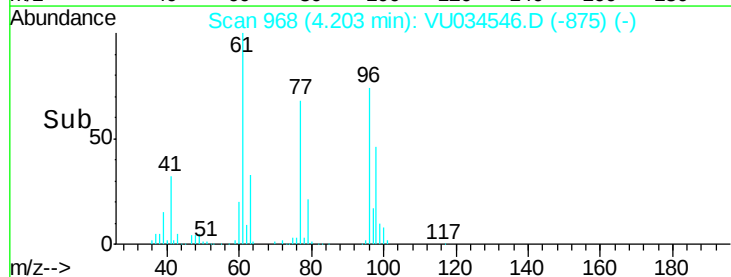
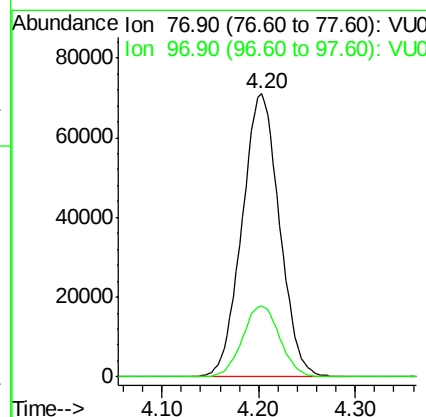
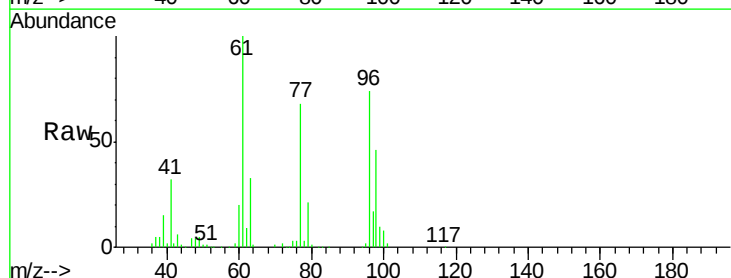
Manual Integrations
APPROVED

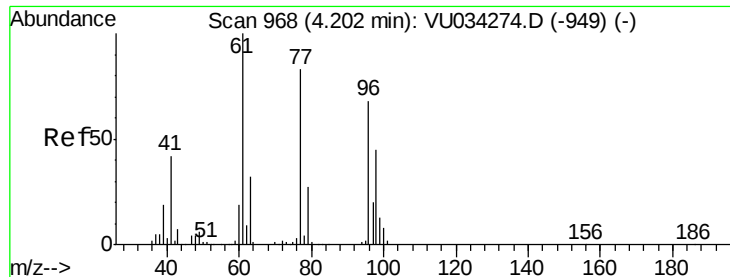
MMDadoda
9/16/2019 11:15:40 AM



#26
2,2-Dichloropropane
Concen: 41.510 ug/l
RT: 4.20 min Scan# 968
Delta R.T. 0.00 min
Lab File: VU034546.D
Acq: 13 Sep 2019 01:21

Tgt Ion: 77 Resp: 191084
Ion Ratio Lower Upper
77 100
97 25.0 11.8 35.3





#27

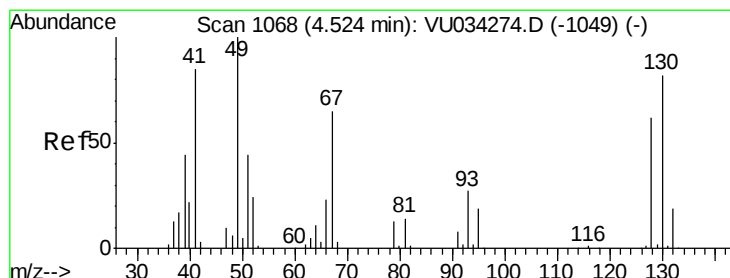
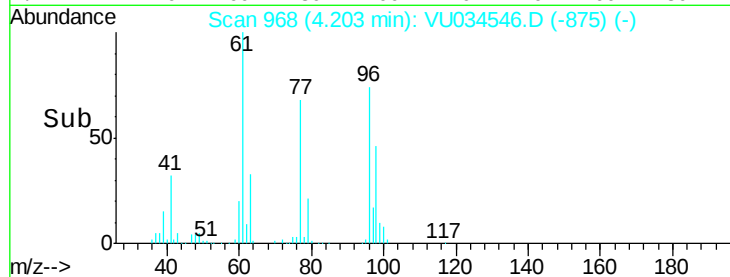
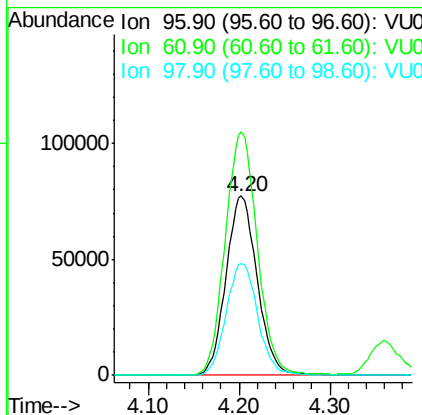
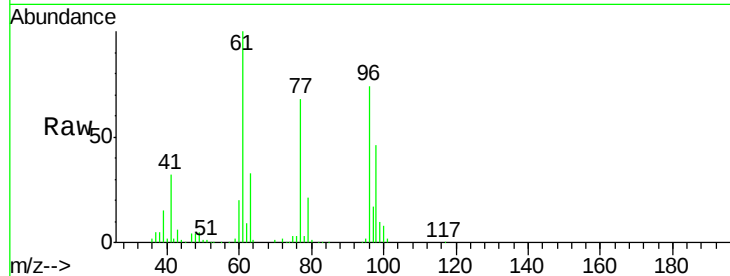
cis-1,2-Dichloroethene
Concen: 56.181 ug/l
RT: 4.20 min Scan# 968
Delta R.T. 0.00 min
Lab File: VU034546.D
Acq: 13 Sep 2019 01:21

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

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

Manual Integrations
APPROVED

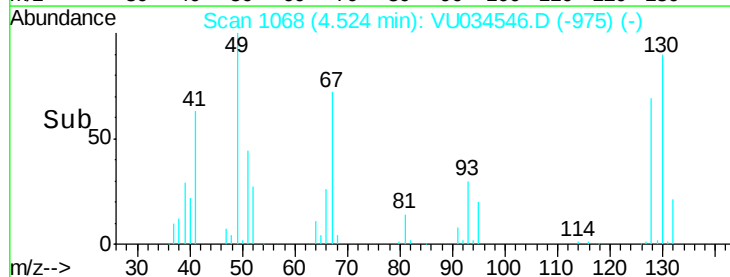
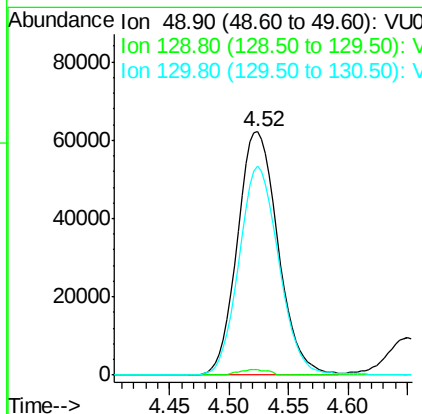
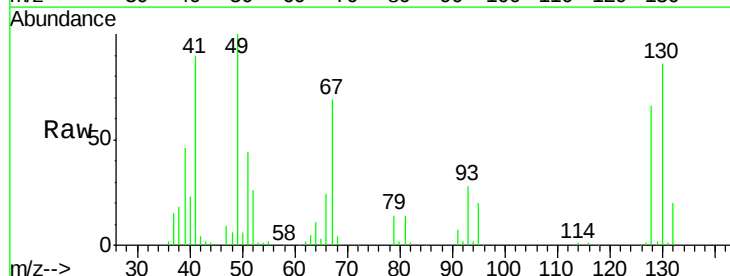
MMDadoda
9/16/2019 11:15:40 AM

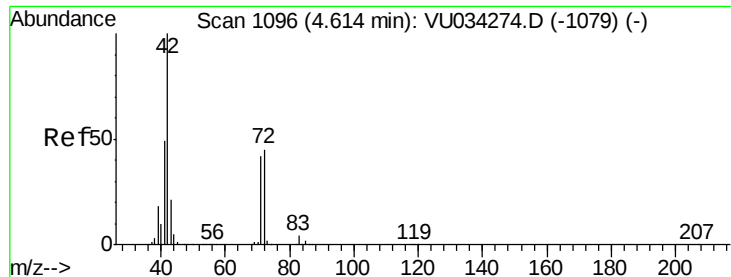


#28

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

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





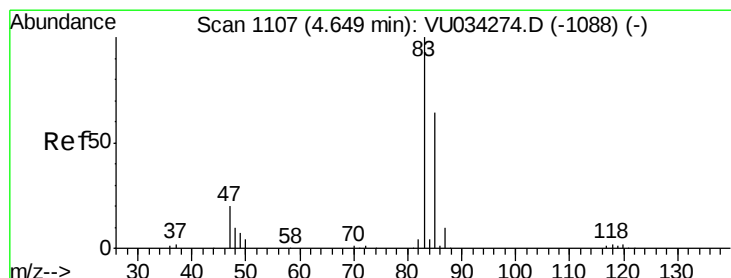
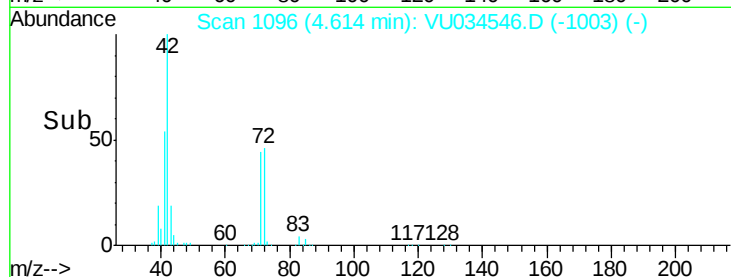
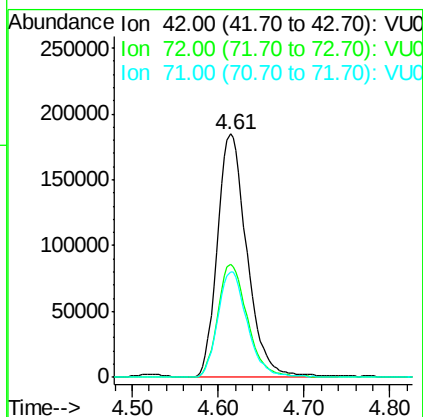
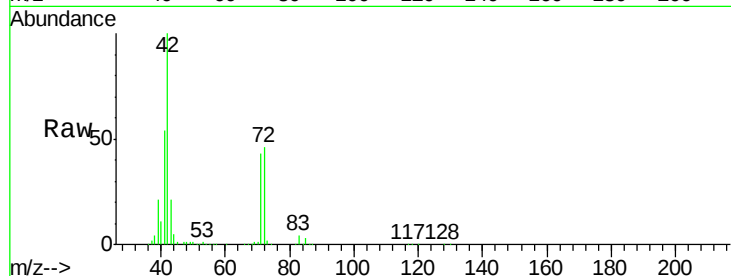
#29
Tetrahydrofuran
Concen: 293.144 ug/l
RT: 4.61 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VU034546.D
Acq: 13 Sep 2019 01:21

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

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

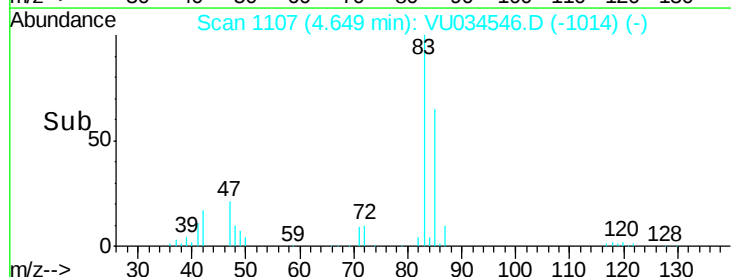
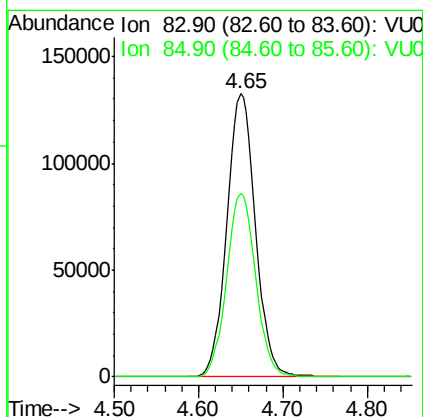
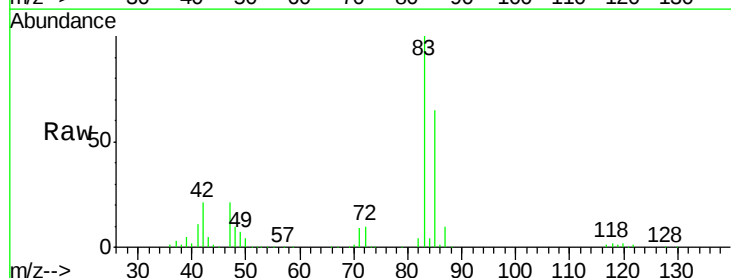
Manual Integrations
APPROVED

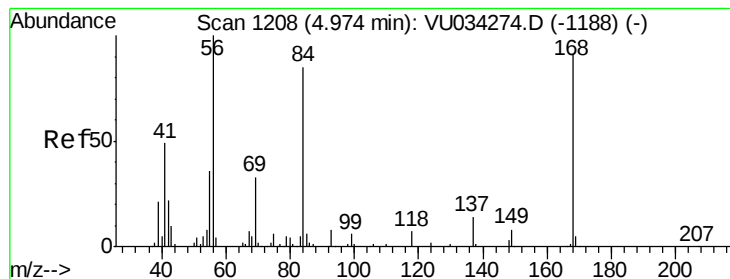
MMDadoda
9/16/2019 11:15:40 AM



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

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





#31

Cyclohexane

Concen: 48.030 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

Tot Ion: 56 Resp: 201115

Ion Ratio Lower Upper

56 100

69 32.2 26.7 40.1

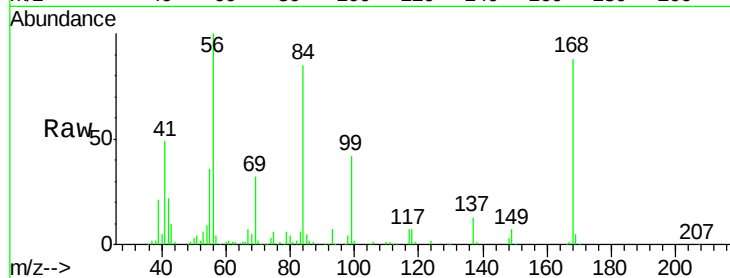
84 84.2 68.2 102.4

Manual Integrations

APPROVED

MMDadoda

9/16/2019 11:15:40 AM



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

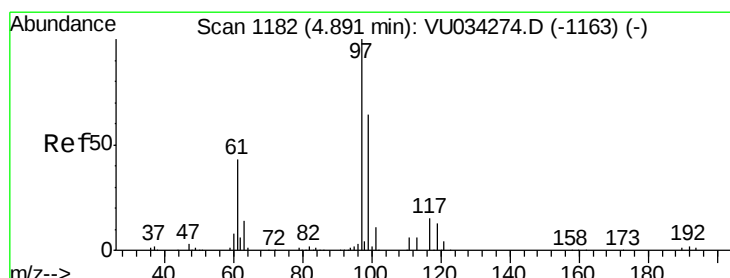
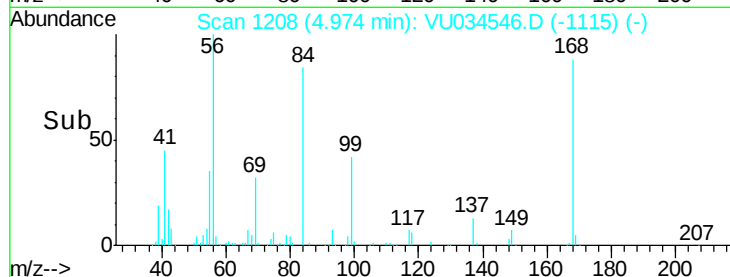
Ion 69.00 (68.70 to 69.70): VU034546.D (-1188) (-)

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

Abundance

4.97

Time-->



#32

1,1,1-Trichloroethane

Concen: 54.463 ug/l

RT: 4.89 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

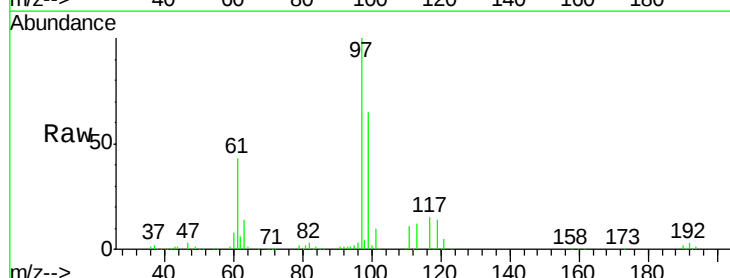
Tgt Ion: 97 Resp: 253333

Ion Ratio Lower Upper

97 100

99 63.8 50.9 76.3

61 42.4 34.7 52.1



Abundance Ion 96.90 (96.60 to 97.60): VU034546.D (-1188) (-)

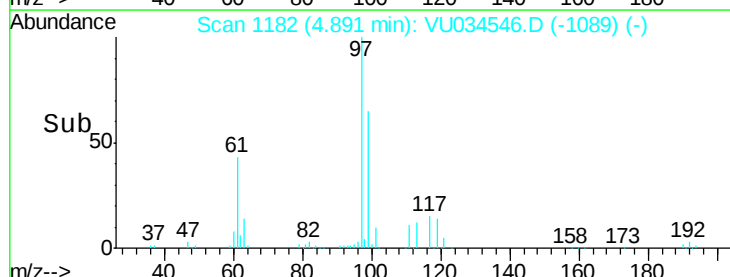
Ion 98.90 (98.60 to 99.60): VU034546.D (-1188) (-)

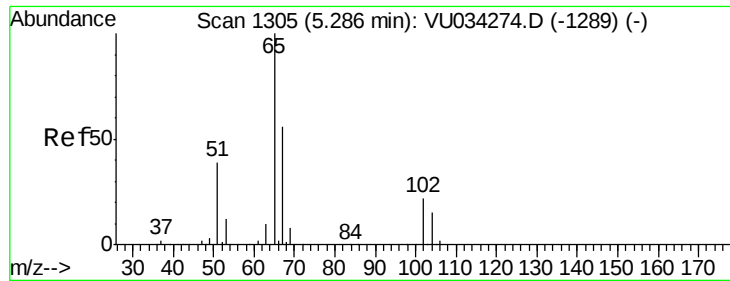
Ion 60.90 (60.60 to 61.60): VU034546.D (-1188) (-)

Abundance

4.89

Time-->





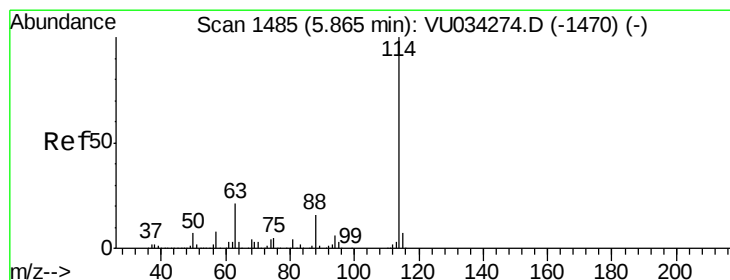
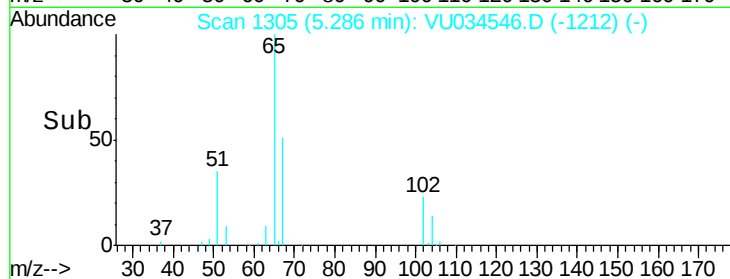
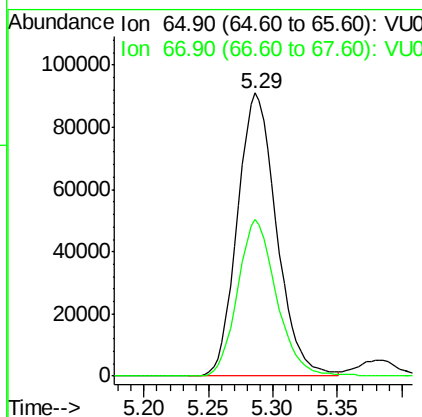
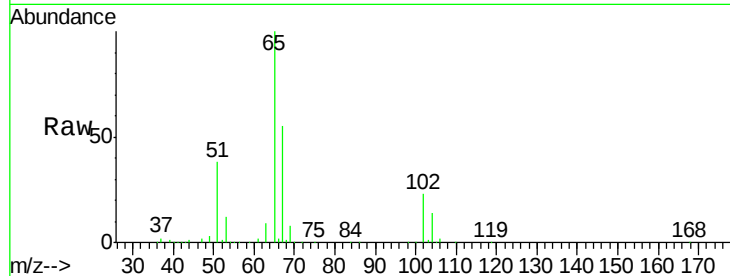
#33
 1,2-Dichloroethane-d4
 Concen: 53.818 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU034546.D
 Acq: 13 Sep 2019 01:21

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

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	112.4

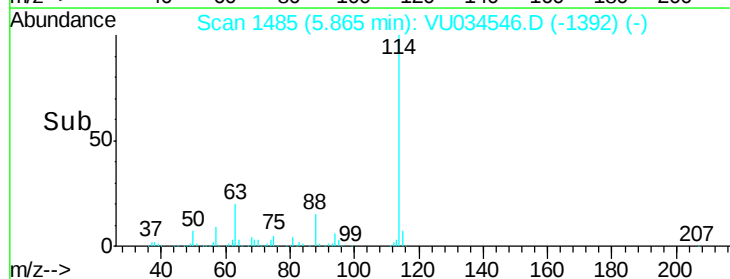
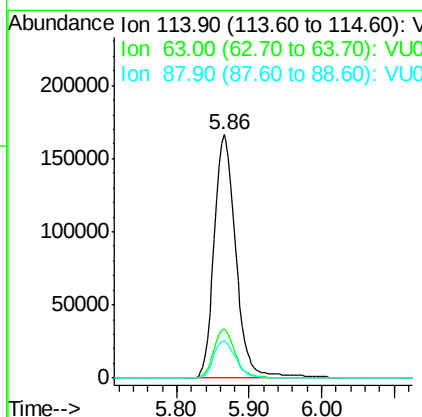
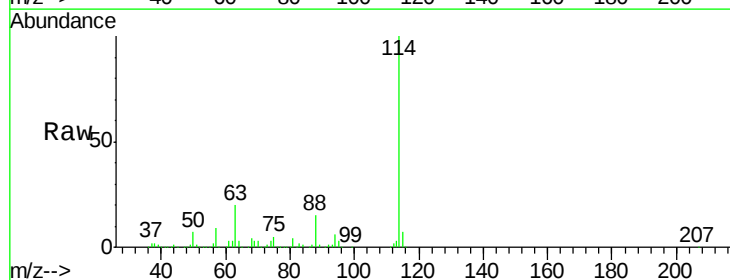
Manual Integrations
 APPROVED

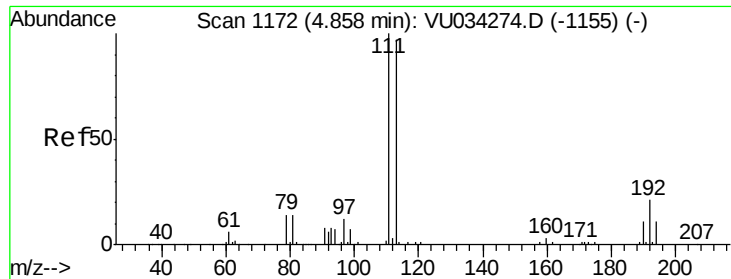
MMDadoda
 9/16/2019 11:15:40 AM



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

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





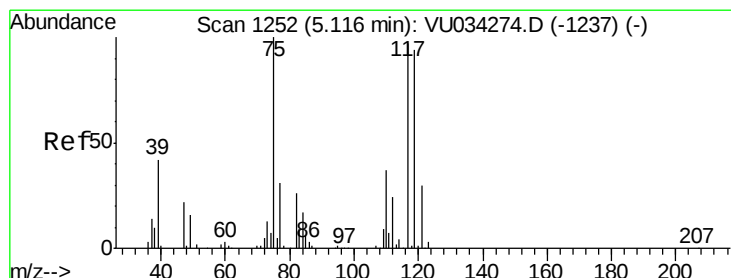
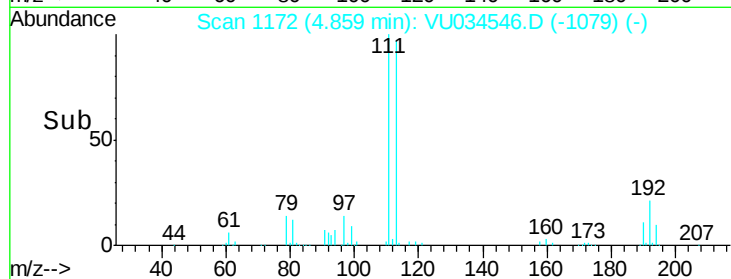
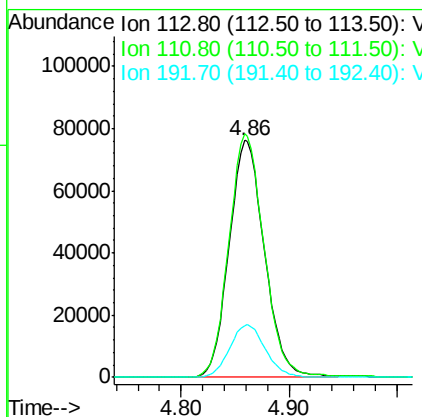
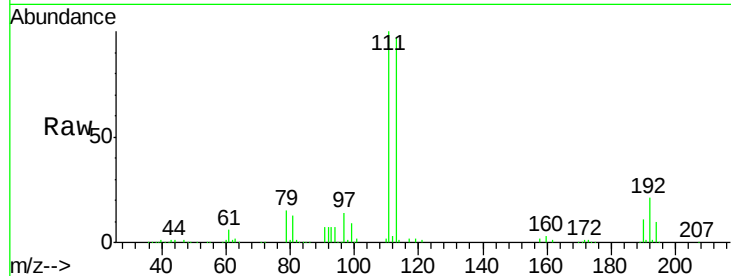
#35
Dibromofluoromethane
Concen: 54.033 ug/l
RT: 4.86 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU034546.D
Acq: 13 Sep 2019 01:21

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

Tot Ion	Ratio	Resp	Lower	Upper
113	100	173935		
111	102.7	81.5	122.3	
192	22.5	17.8	26.8	

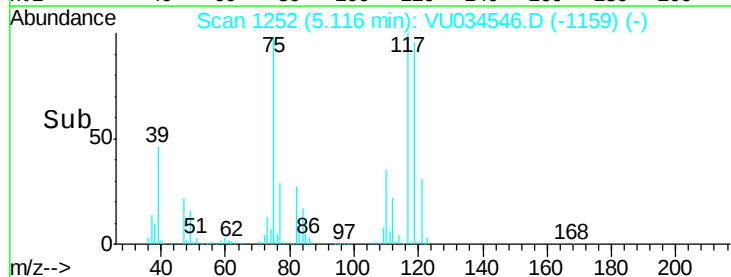
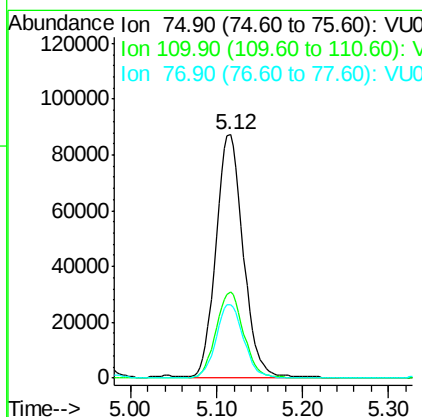
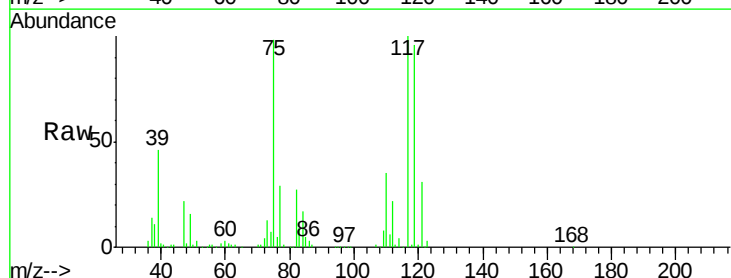
Manual Integrations
APPROVED

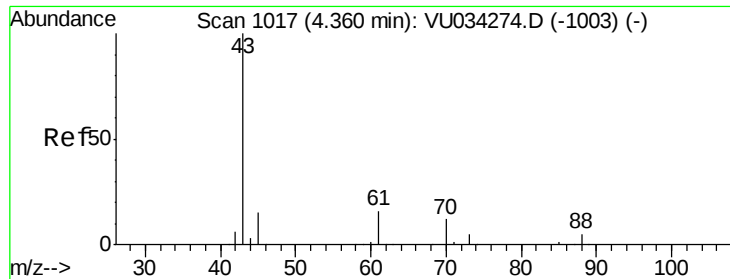
MMDadoda
9/16/2019 11:15:40 AM



#36
1,1-Dichloropropene
Concen: 51.343 ug/l
RT: 5.12 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VU034546.D
Acq: 13 Sep 2019 01:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	192630		
110	35.9	18.3	54.9	
77	29.8	24.9	37.3	





#37

Ethyl Acetate

Concen: 52.818 ug/l

RT: 4.36 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Instrument :

MSVOA_U

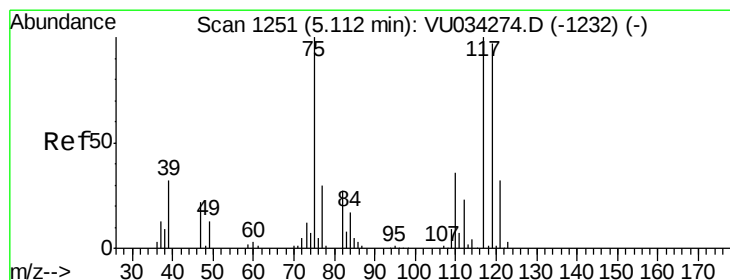
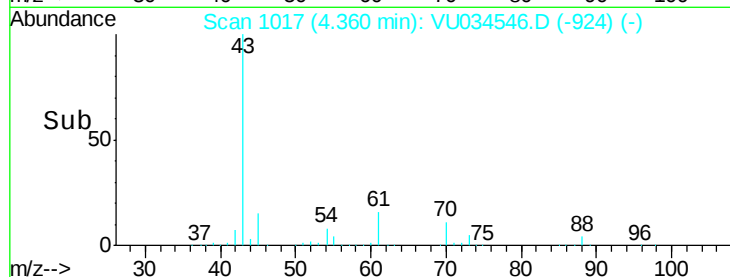
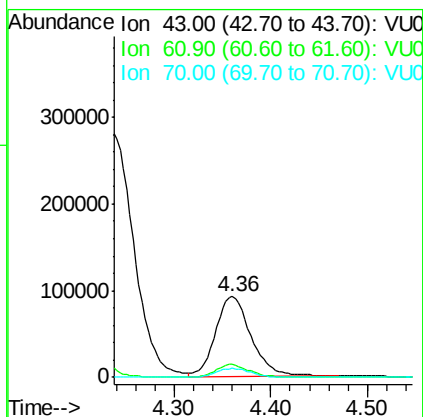
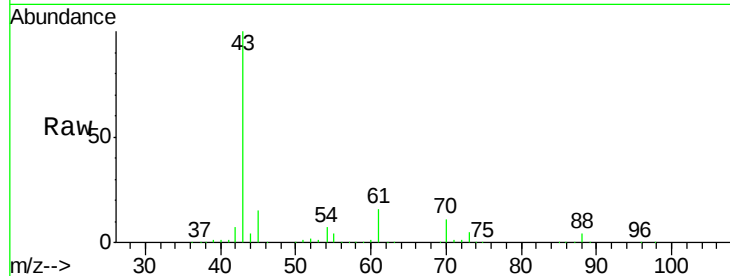
ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

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

Manual Integrations
APPROVED

MMDadoda
9/16/2019 11:15:40 AM



#38

Carbon Tetrachloride

Concen: 53.447 ug/l

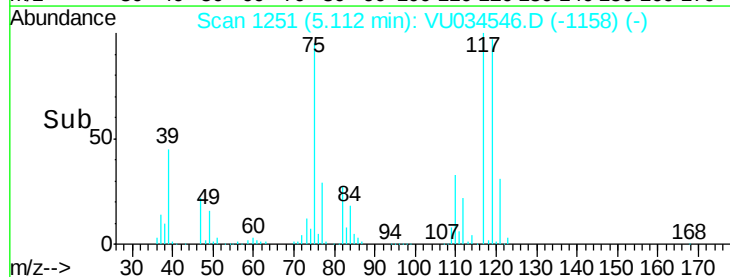
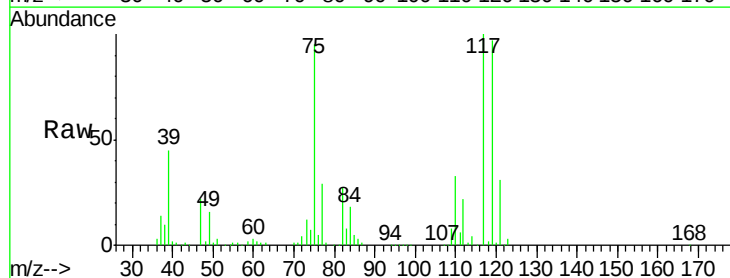
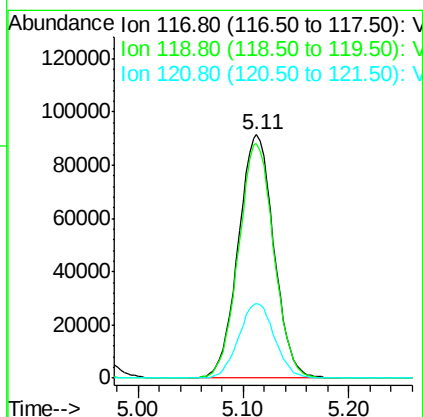
RT: 5.11 min Scan# 1251

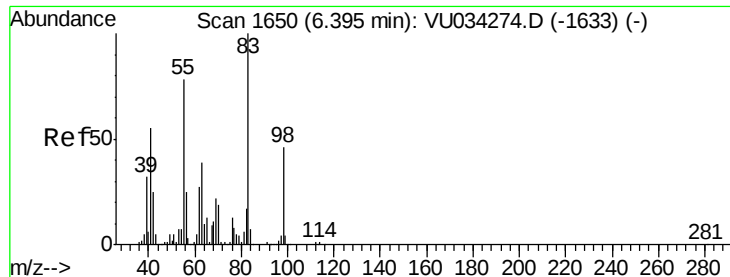
Delta R.T. 0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

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





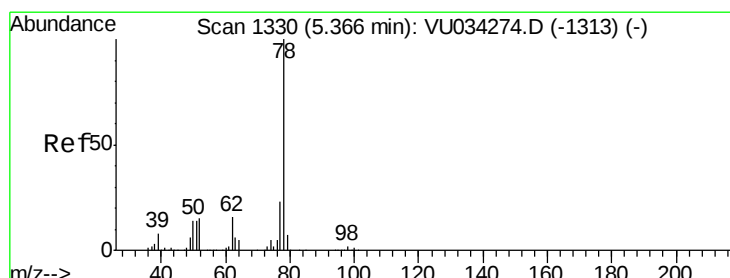
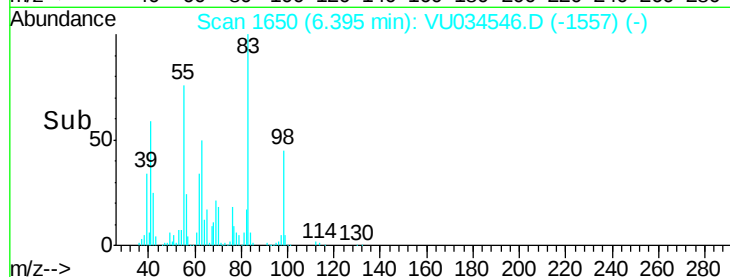
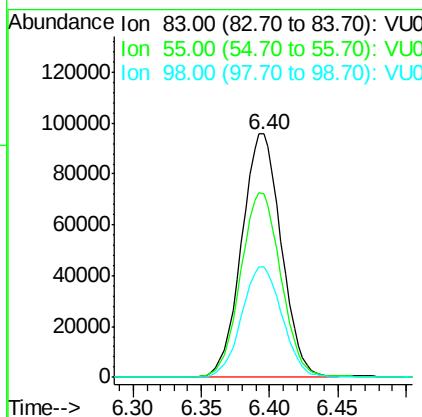
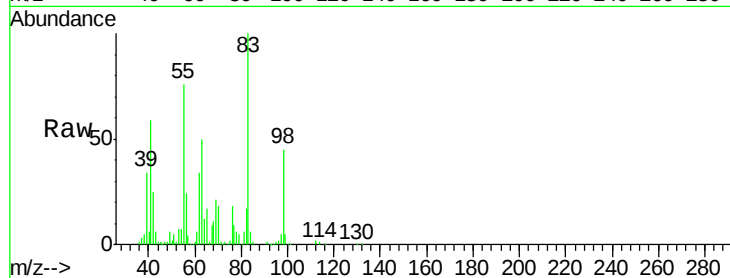
#39
Methvlcvclohexane
Concen: 48.166 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034546.D
Acq: 13 Sep 2019 01:21

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

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.5	62.1	93.1
98	45.3	37.0	55.6

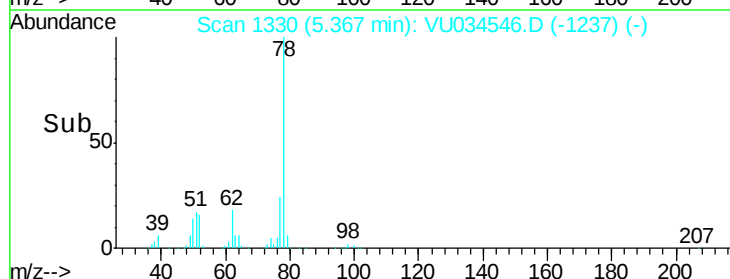
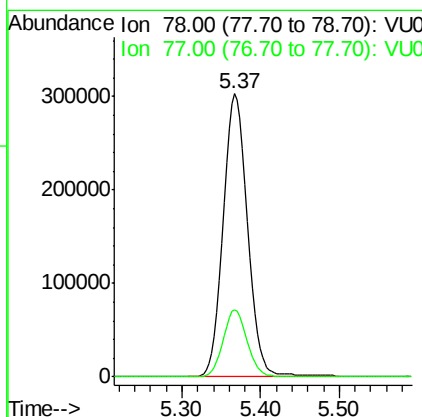
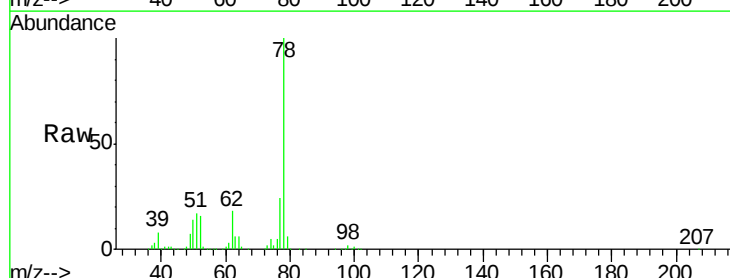
Manual Integrations
APPROVED

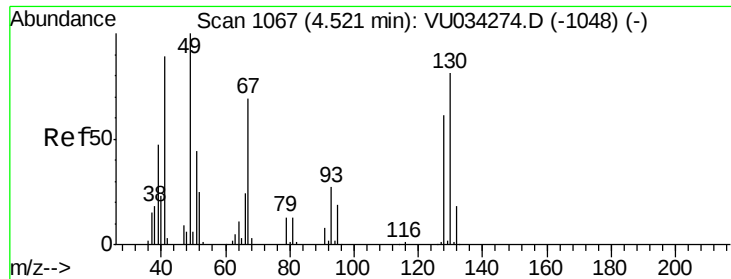
MMDadoda
9/16/2019 11:15:40 AM



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

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.7	28.1





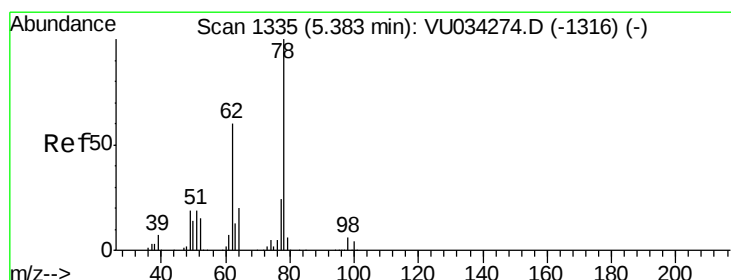
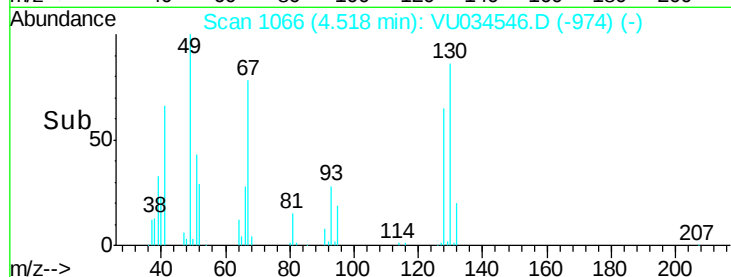
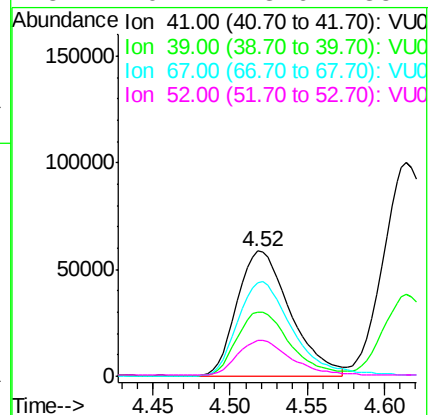
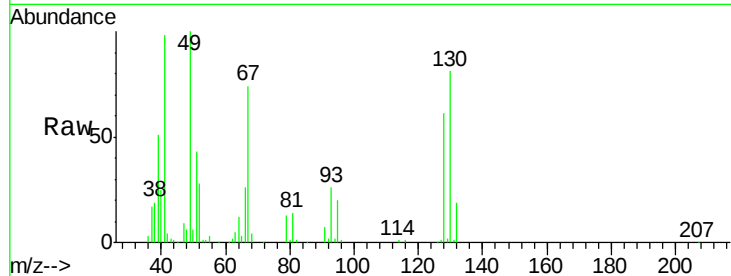
#41
Methacrylonitrile
Concen: 59.388 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VU034546.D
Acq: 13 Sep 2019 01:21

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		140324		
39	51.6	41.0	61.4		
67	78.9	62.4	93.6		
52	29.1	23.6	35.4		

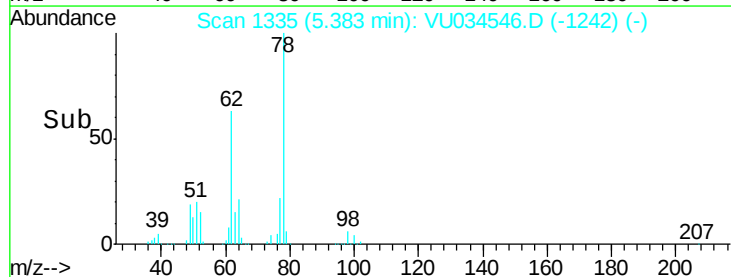
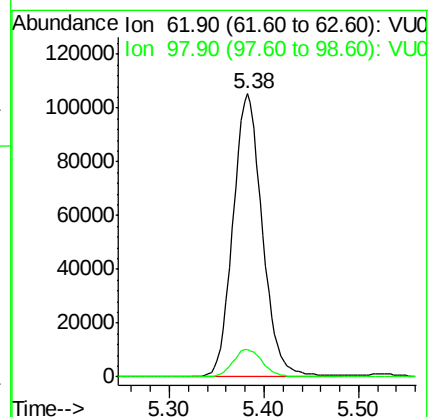
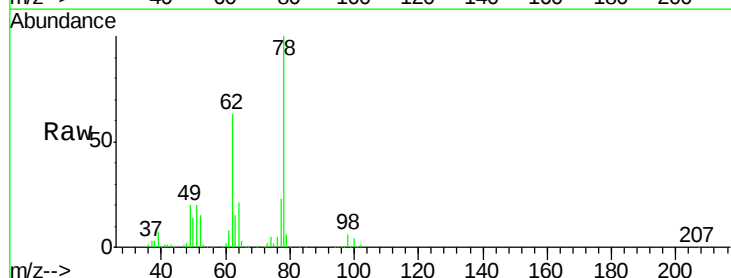
Manual Integrations
APPROVED

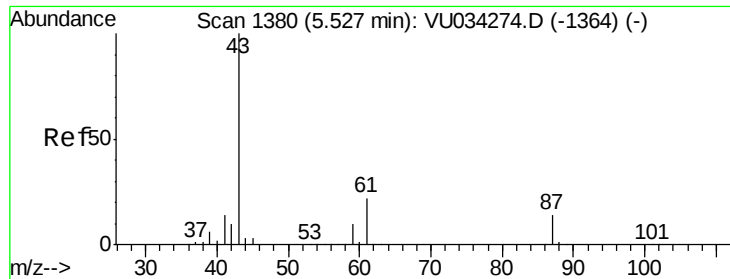
MMDadoda
9/16/2019 11:15:40 AM



#42
1,2-Dichloroethane
Concen: 53.968 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034546.D
Acq: 13 Sep 2019 01:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		226839		
98	9.8	0.0	20.0		





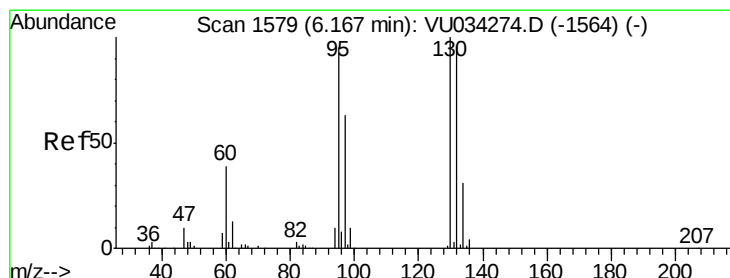
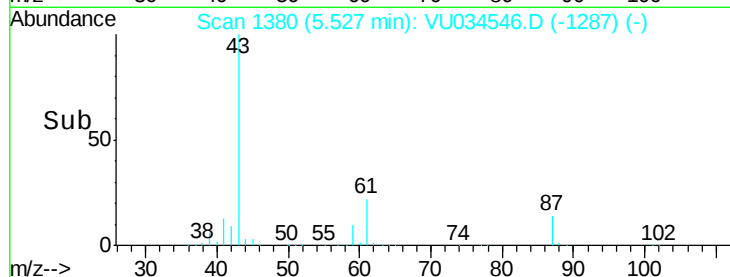
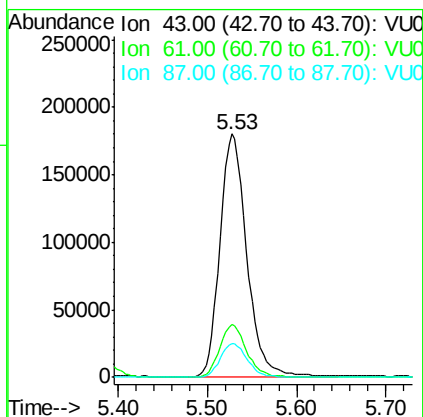
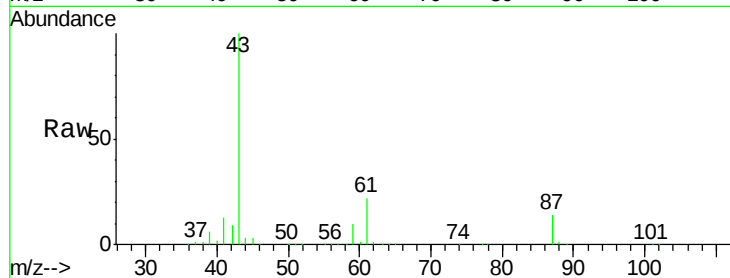
#43
Isopropyl Acetate
Concen: 54.299 ug/l
RT: 5.53 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VU034546.D
Acq: 13 Sep 2019 01:21

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.6	17.1	25.7
87	14.2	11.1	16.7

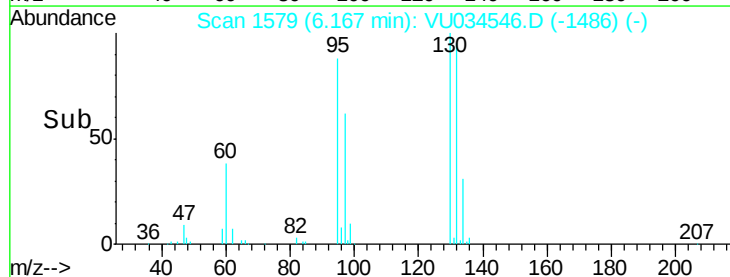
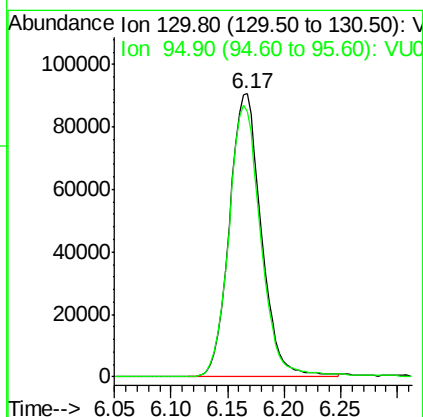
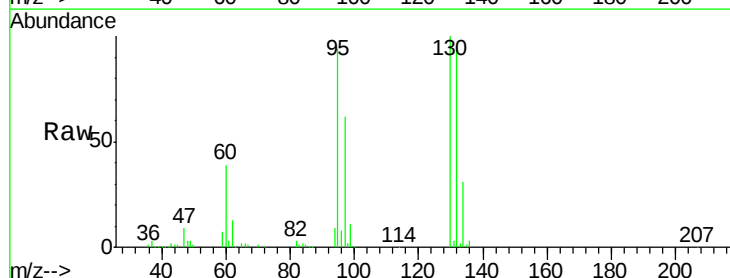
Manual Integrations
APPROVED

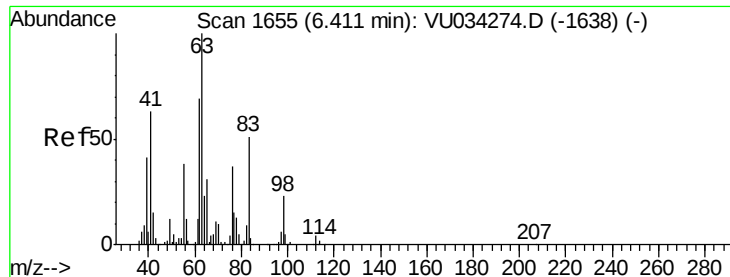
MMDadoda
9/16/2019 11:15:40 AM



#44
Trichloroethene
Concen: 53.233 ug/l
RT: 6.17 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VU034546.D
Acq: 13 Sep 2019 01:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.9	0.0	189.2





#45

1,2-Dichloropropane

Concen: 54.270 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

Tot Ion: 63 Resp: 192070

Ion Ratio Lower Upper

63 100

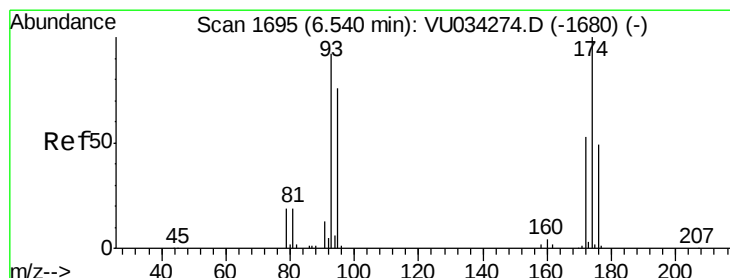
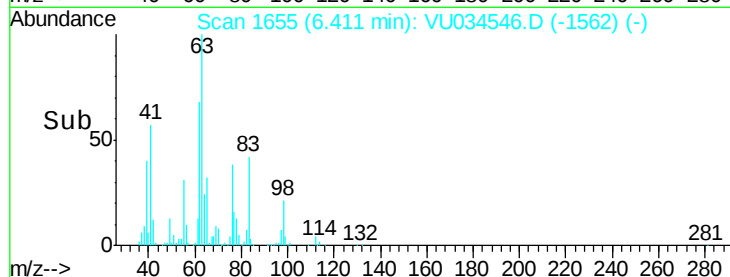
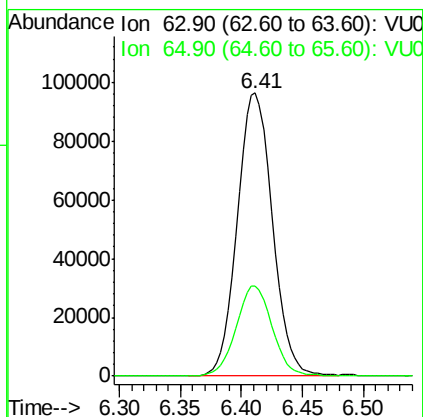
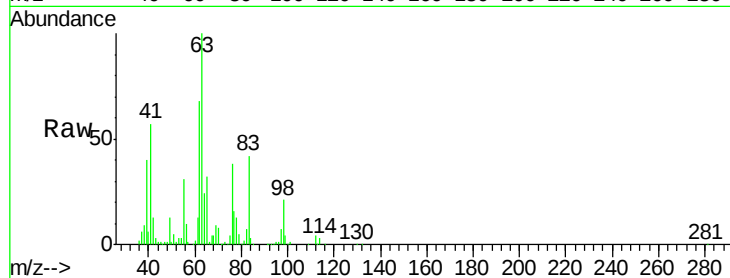
65 31.8 24.6 37.0

Manual Integrations

APPROVED

MMDadoda

9/16/2019 11:15:40 AM



#46

Dibromomethane

Concen: 53.990 ug/l

RT: 6.54 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

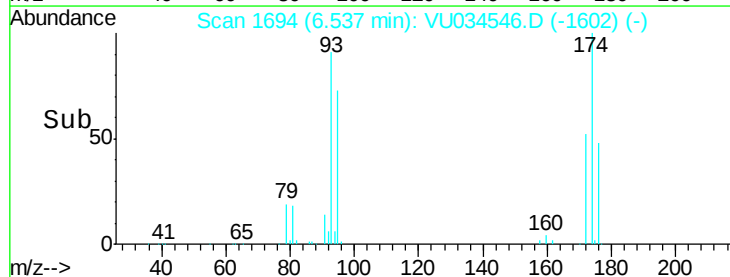
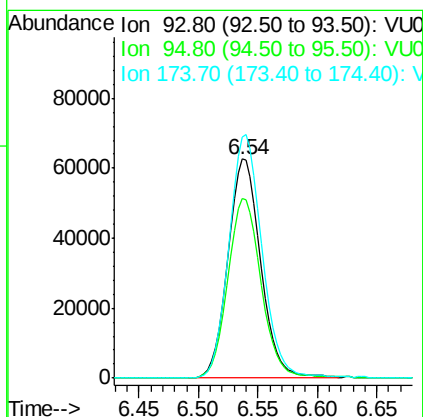
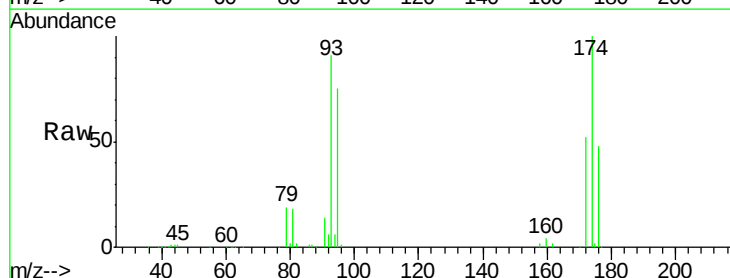
Tgt Ion: 93 Resp: 119943

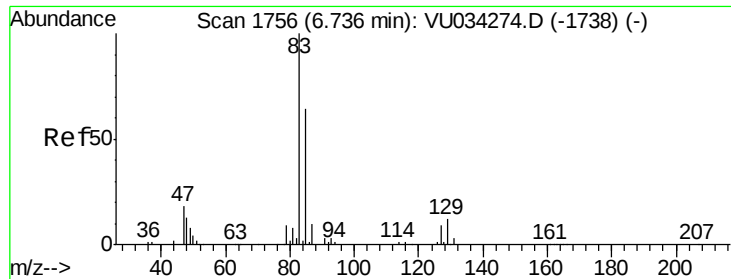
Ion Ratio Lower Upper

93 100

95 83.2 66.5 99.7

174 112.0 87.8 131.6





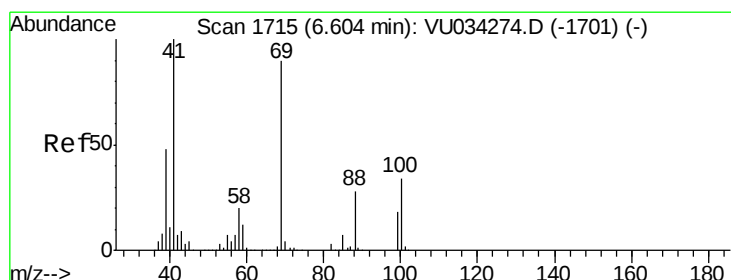
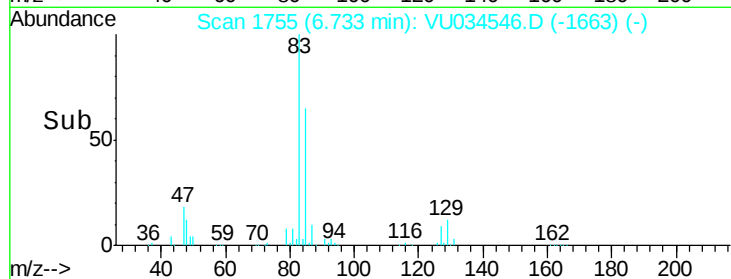
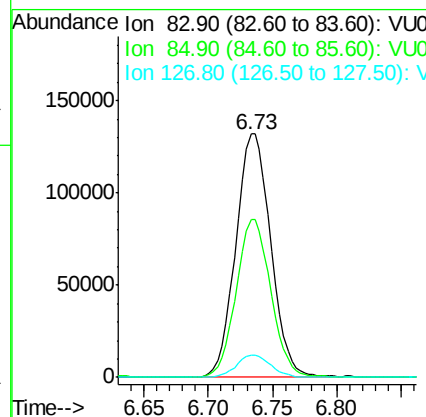
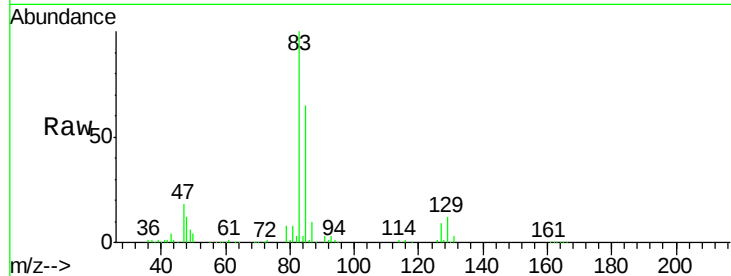
#47
Bromodichloromethane
Concen: 54.272 ug/l
RT: 6.73 min Scan# 1755
Delta R.T. -0.00 min
Lab File: VU034546.D
Acq: 13 Sep 2019 01:21

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

Tot Ion	Ratio	Resp	Lower	Upper
83	100	248182		
85	64.8		51.1	76.7
127	9.1		7.2	10.8

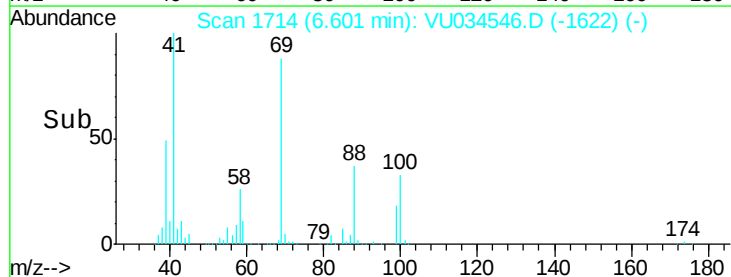
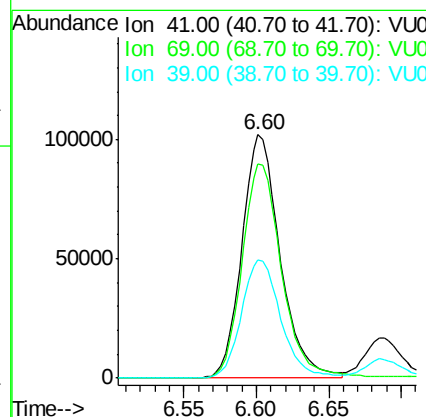
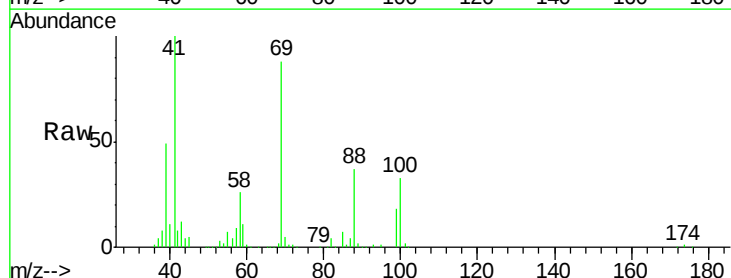
Manual Integrations
APPROVED

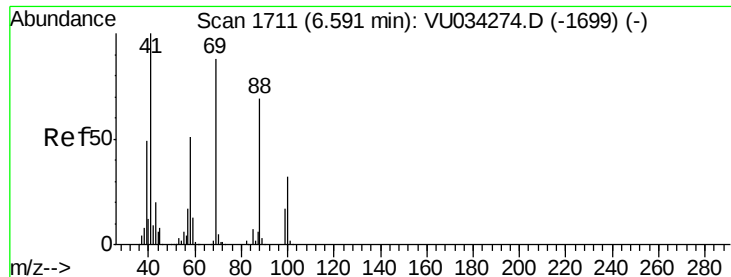
MMDadoda
9/16/2019 11:15:40 AM



#48
Methyl methacrylate
Concen: 56.358 ug/l
RT: 6.60 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VU034546.D
Acq: 13 Sep 2019 01:21

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	185231		
69	91.8		72.8	109.2
39	50.0		38.6	58.0





#49

1,4-Dioxane

Concen: 1293.290 ug/l

RT: 6.59 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Instrument :

MSVOA_U

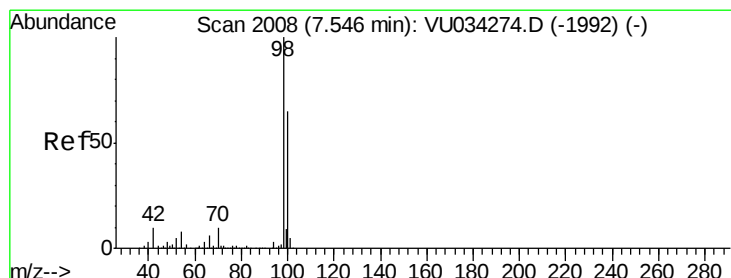
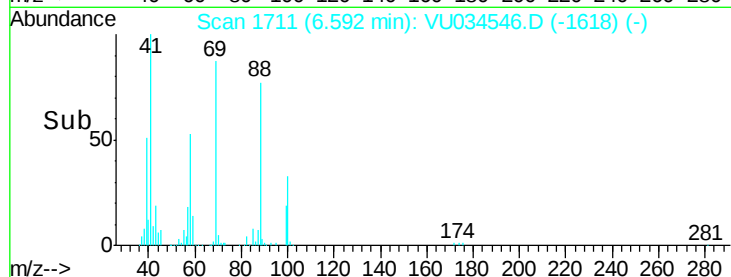
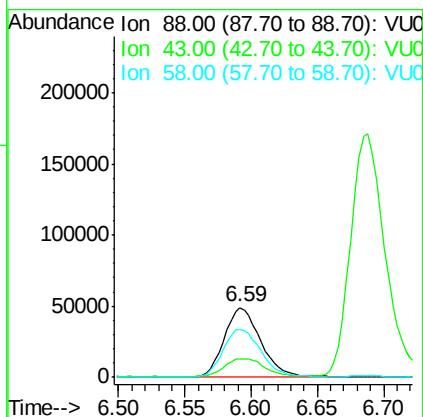
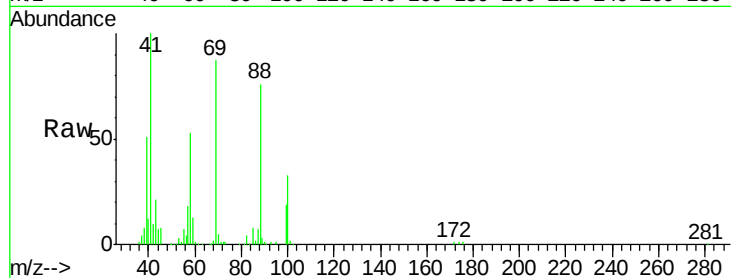
ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

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

Manual Integrations
APPROVED

MMDadoda
9/16/2019 11:15:40 AM



#50

Toluene-d8

Concen: 53.324 ug/l

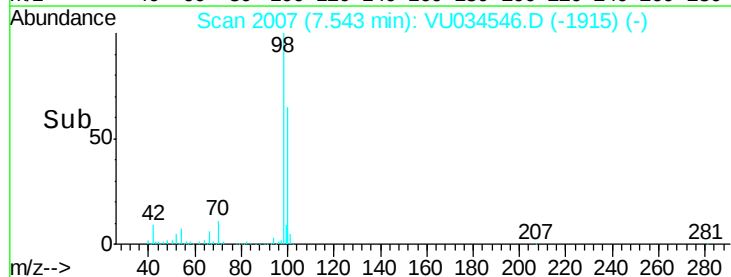
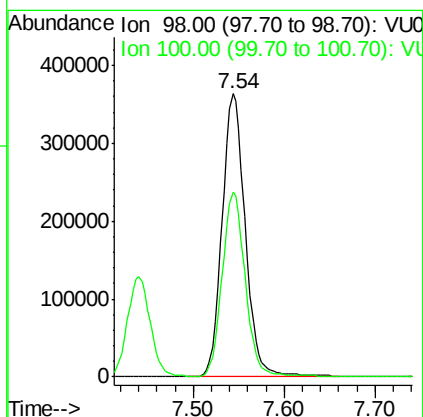
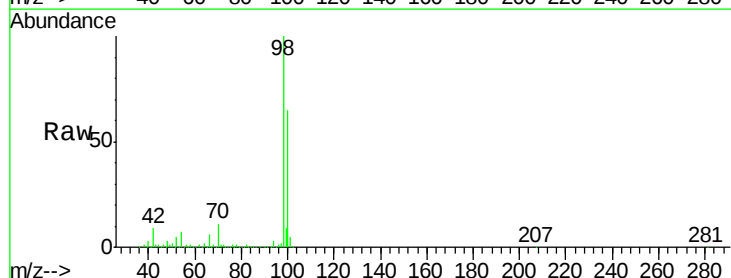
RT: 7.54 min Scan# 2007

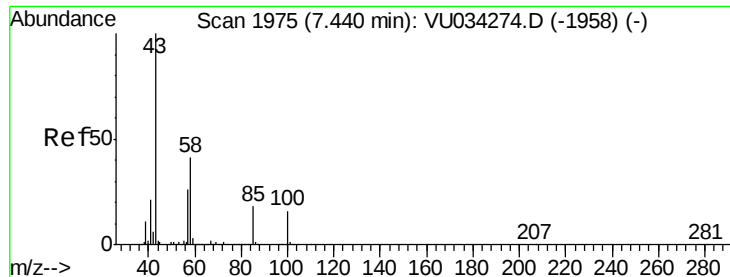
Delta R.T. -0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

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





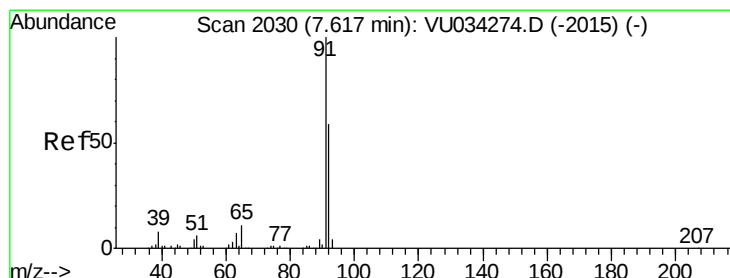
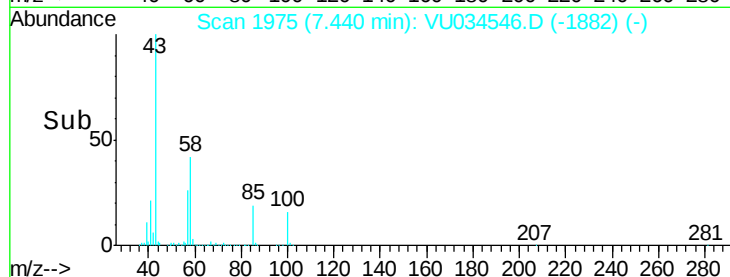
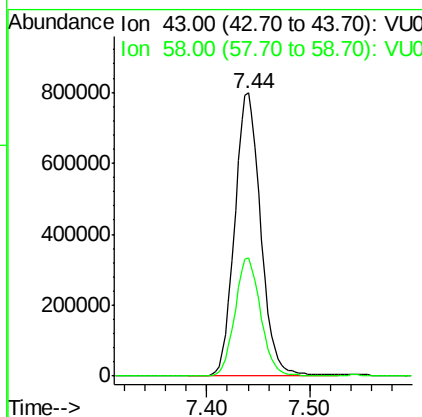
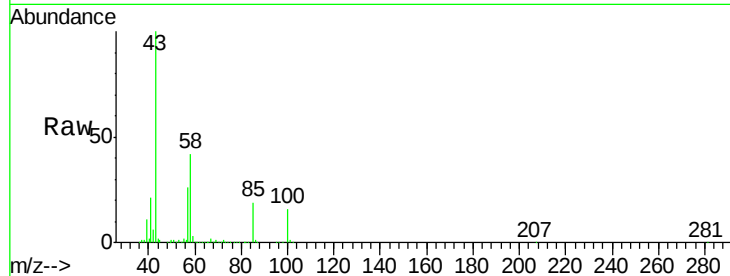
#51
 4-Methyl-2-Pentanone
 Concen: 292.348 ug/l
 RT: 7.44 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VU034546.D
 Acq: 13 Sep 2019 01:21

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

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

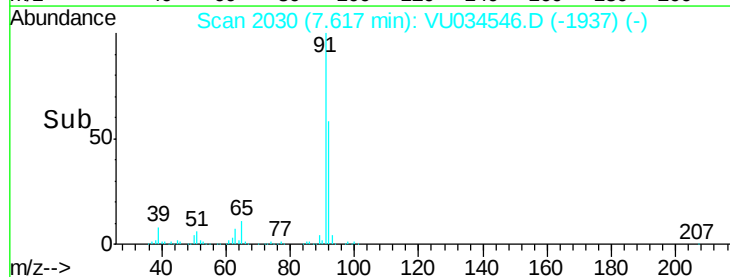
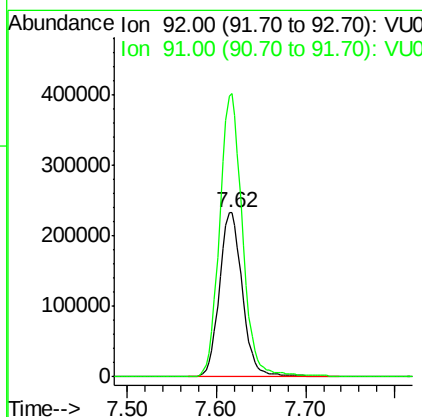
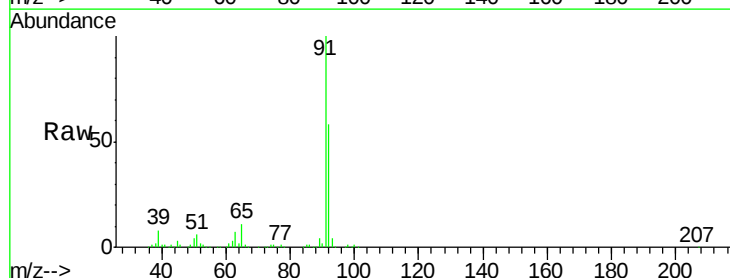
Manual Integrations
 APPROVED

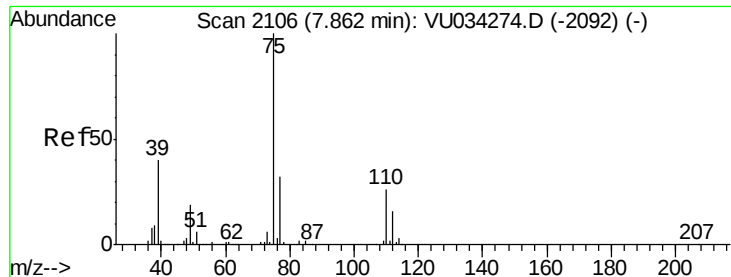
MMDadoda
 9/16/2019 11:15:40 AM



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

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





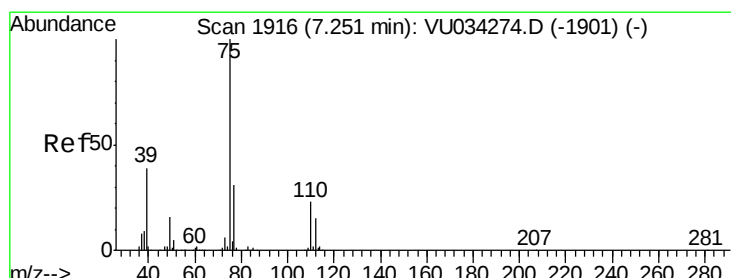
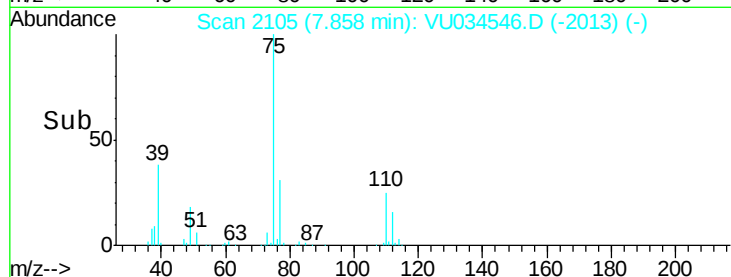
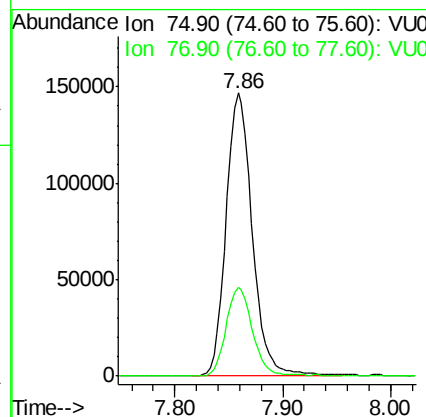
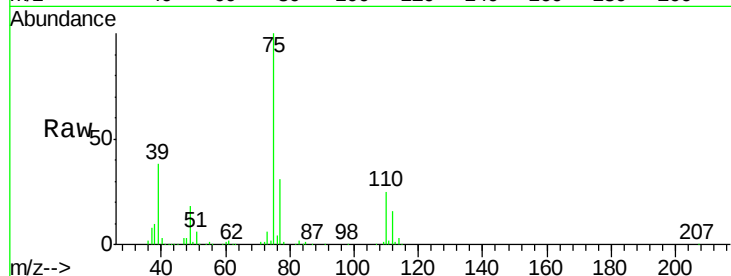
#53
t-1,3-Dichloropropene
Concen: 52.477 ug/l
RT: 7.86 min Scan# 2105
Delta R.T. -0.00 min
Lab File: VU034546.D
Acq: 13 Sep 2019 01:21

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

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.7	38.5

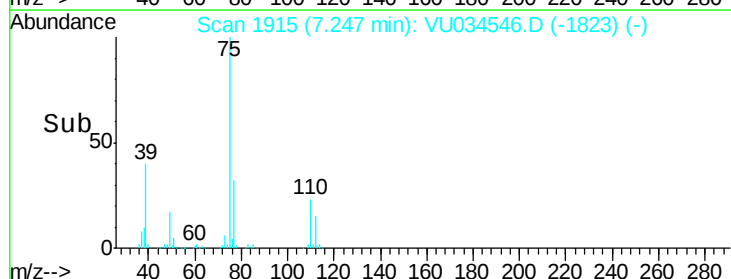
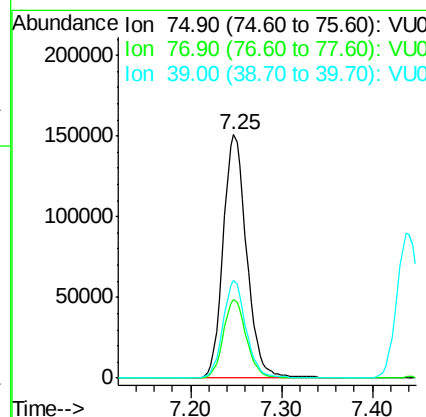
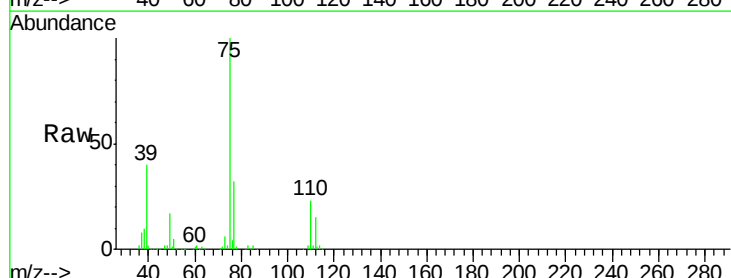
Manual Integrations
APPROVED

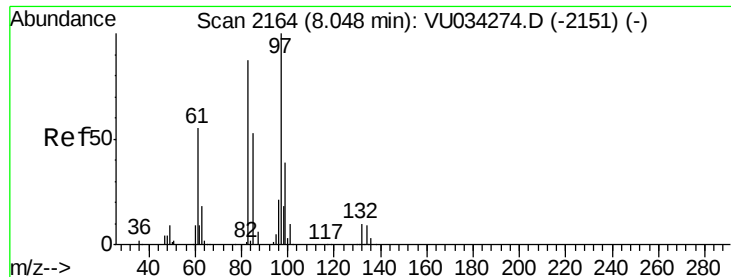
MMDadoda
9/16/2019 11:15:40 AM



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

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





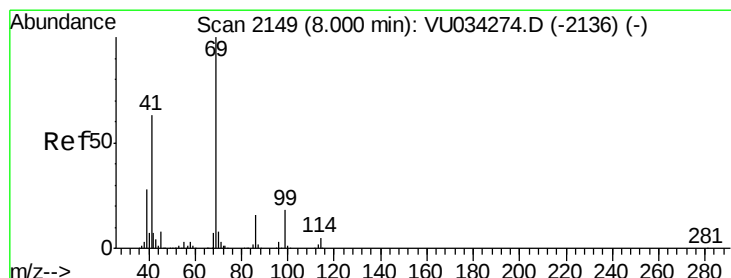
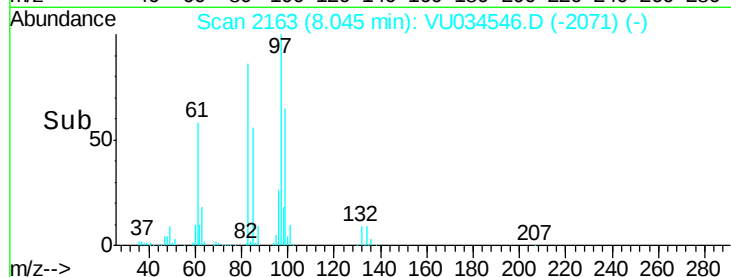
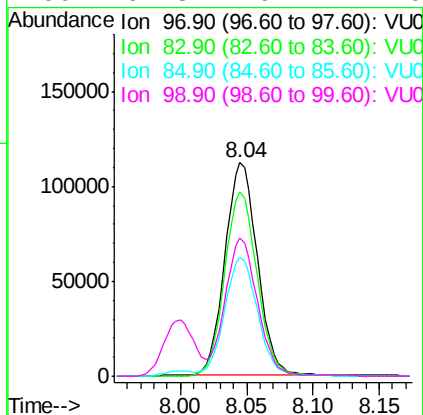
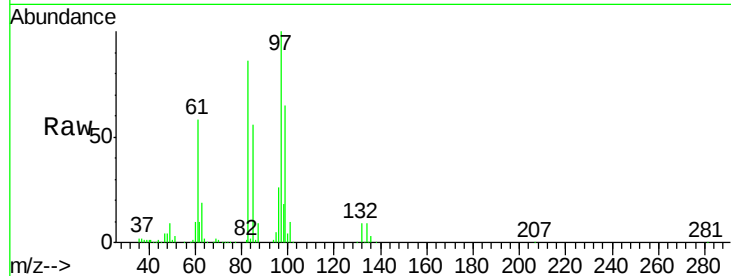
#55
 1,1,2-Trichloroethane
 Concen: 55.341 ug/l
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VU034546.D
 Acq: 13 Sep 2019 01:21

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

Tot Ion:	97	Resp:	190837
Ion	Ratio	Lower	Upper
97	100		
83	86.2	69.0	103.6
85	55.7	44.2	66.2
99	64.3	49.4	74.0

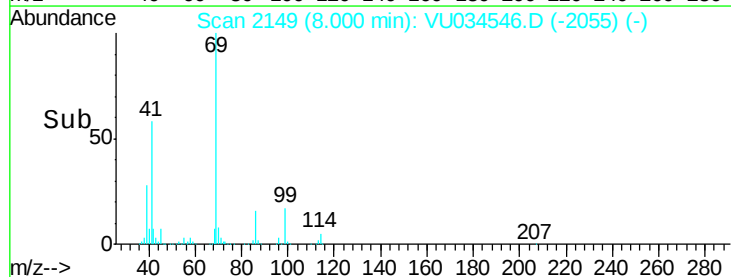
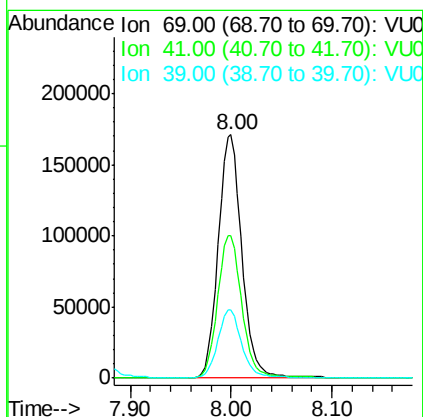
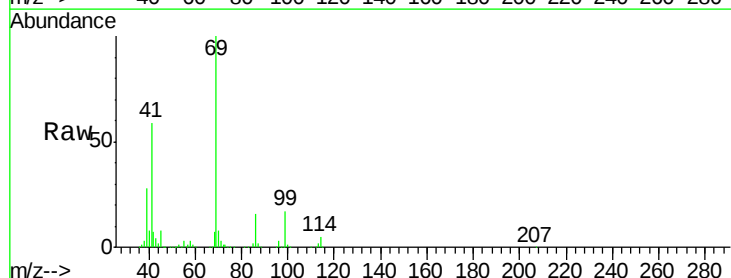
Manual Integrations
 APPROVED

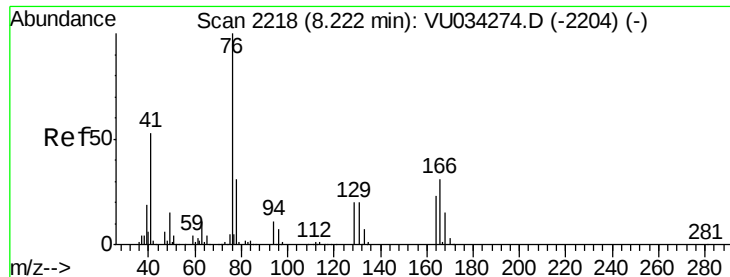
MMDadoda
 9/16/2019 11:15:40 AM



#56
 Ethyl methacrylate
 Concen: 53.304 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU034546.D
 Acq: 13 Sep 2019 01:21

Tgt Ion:	69	Resp:	280401
Ion	Ratio	Lower	Upper
69	100		
41	60.1	49.5	74.3
39	28.1	22.5	33.7





#57

1,3-Dichloropropane

Concen: 55.557 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

Tot Ion: 76 Resp: 311966

Ion Ratio Lower Upper

76 100

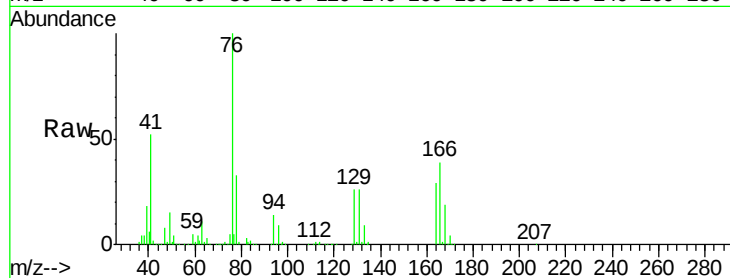
78 32.3 25.4 38.2

Manual Integrations

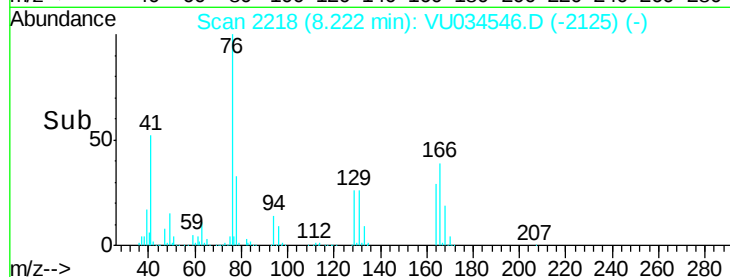
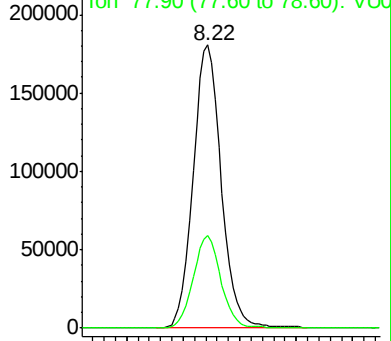
APPROVED

MMDadoda

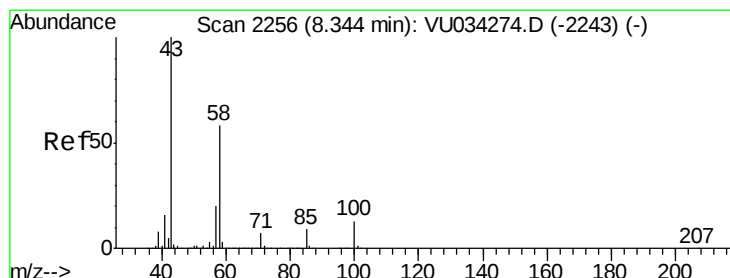
9/16/2019 11:15:40 AM



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



Time-->



#59

2-Hexanone

Concen: 297.208 ug/l

RT: 8.34 min Scan# 2255

Delta R.T. -0.00 min

Lab File: VU034546.D

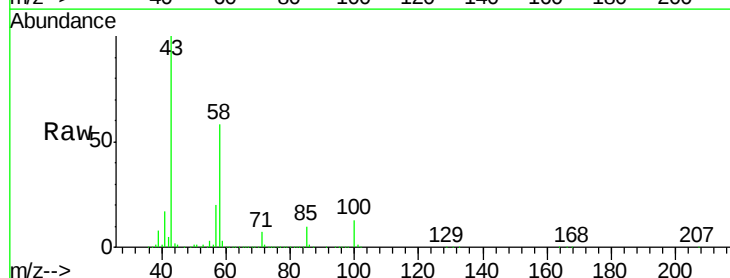
Acq: 13 Sep 2019 01:21

Tgt Ion: 43 Resp: 1063521

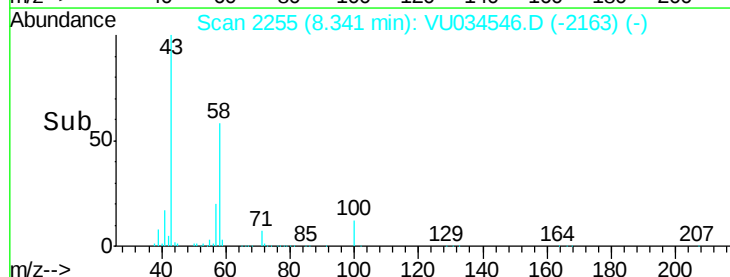
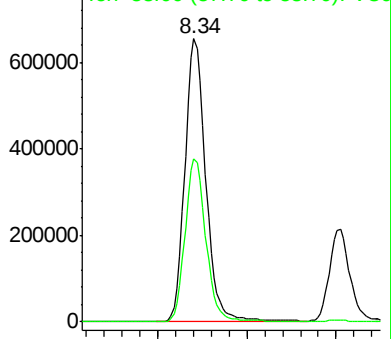
Ion Ratio Lower Upper

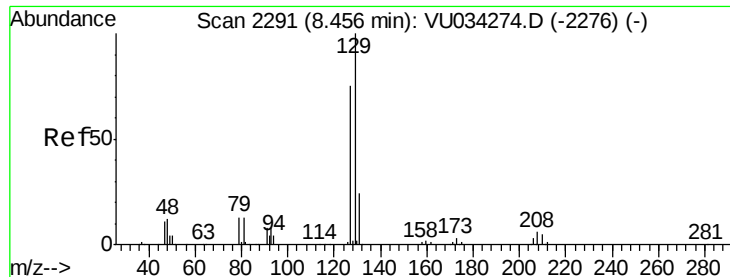
43 100

58 57.9 28.8 86.5



Abundance Ion 43.00 (42.70 to 43.70): VU034546.D (-2163) (-)





#60

Dibromochloromethane

Concen: 57.086 ug/l

RT: 8.45 min Scan# 2290

Delta R.T. -0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

Tot Ion:129 Resp: 211145

Ion Ratio Lower Upper

129 100

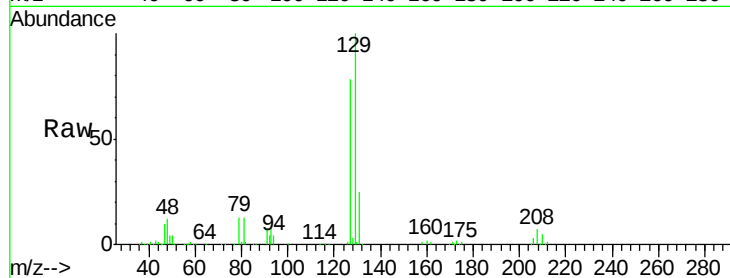
127 76.7 37.9 113.7

Manual Integrations

APPROVED

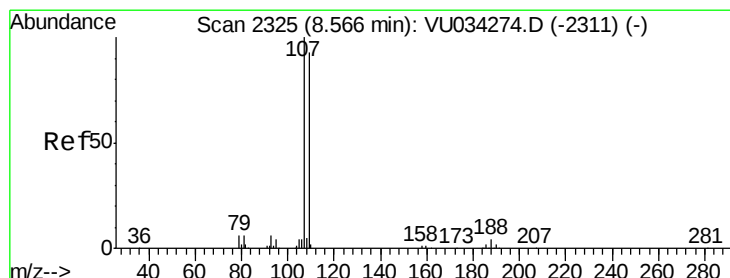
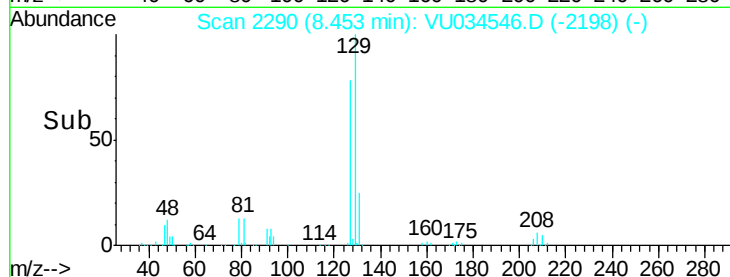
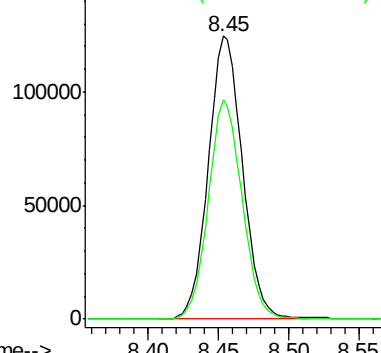
MMDadoda

9/16/2019 11:15:40 AM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 54.998 ug/l

RT: 8.56 min Scan# 2324

Delta R.T. -0.00 min

Lab File: VU034546.D

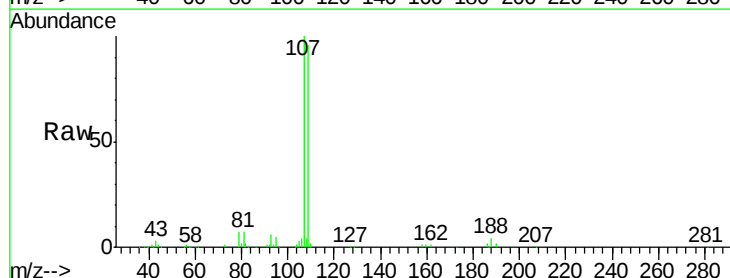
Acq: 13 Sep 2019 01:21

Tgt Ion:107 Resp: 185629

Ion Ratio Lower Upper

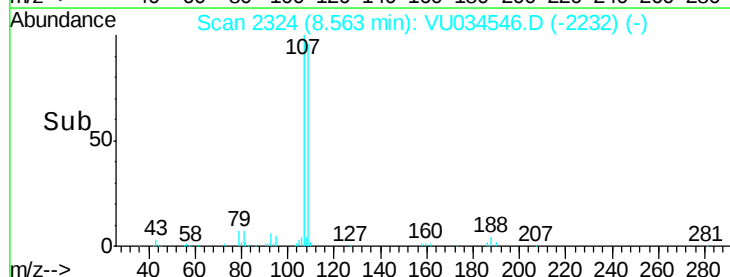
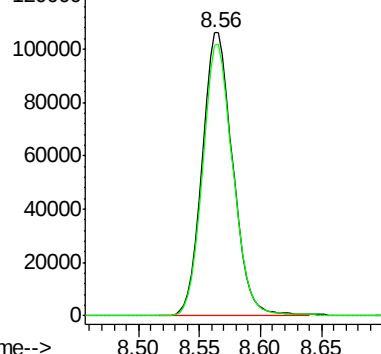
107 100

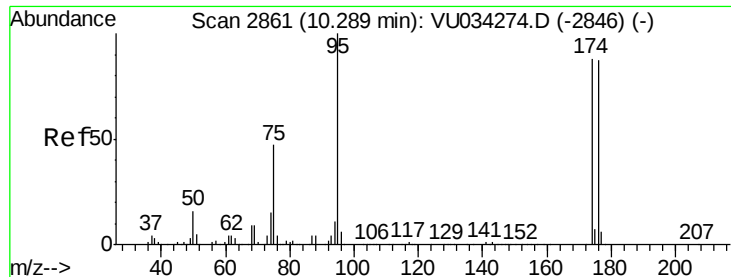
109 95.7 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





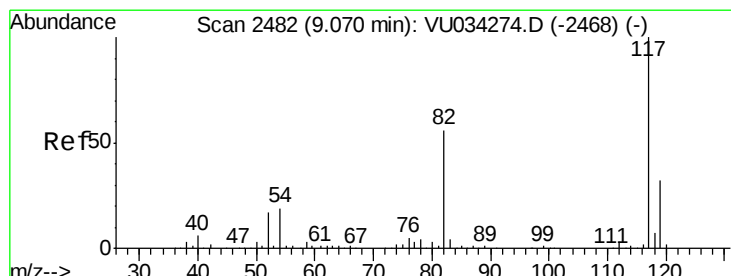
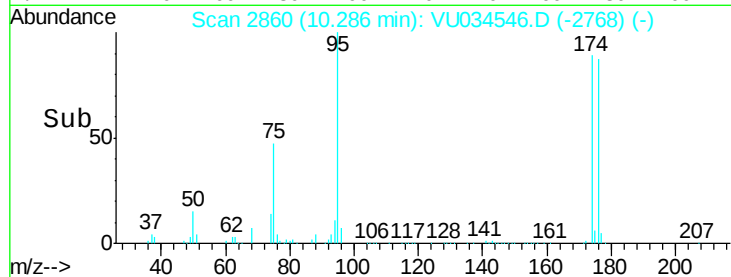
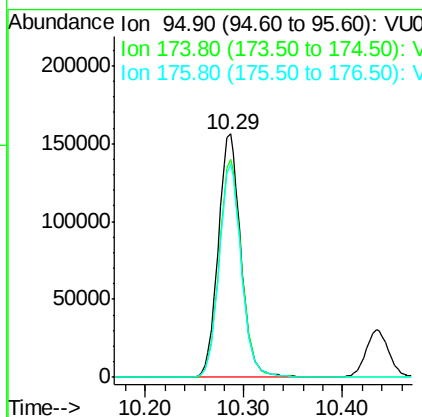
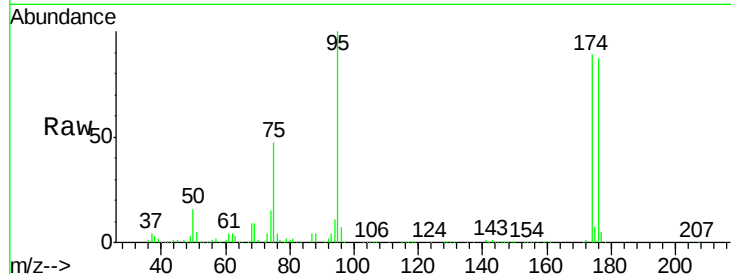
#62
4-Bromofluorobenzene
Concen: 53.913 ug/l
RT: 10.29 min Scan# 2860
Delta R.T. -0.00 min
Lab File: VU034546.D
Acq: 13 Sep 2019 01:21

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

Tot Ion	Ratio	Resp	Lower	Upper
95	100	251743		
174	88.8	0.0	175.2	
176	85.6	0.0	168.0	

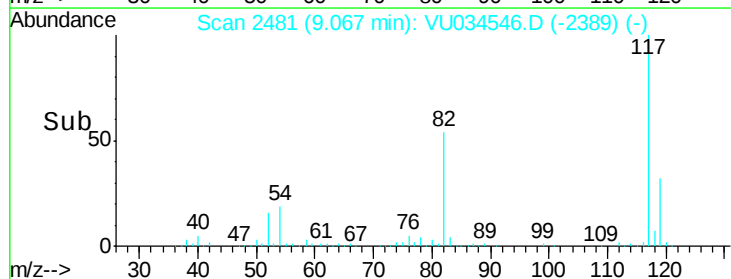
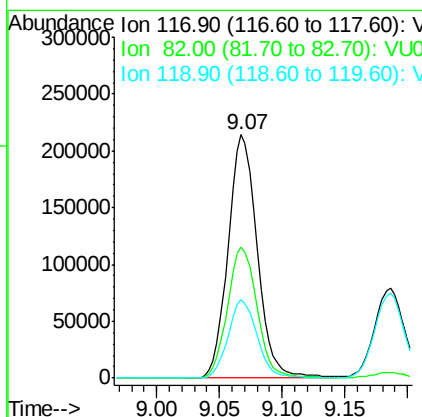
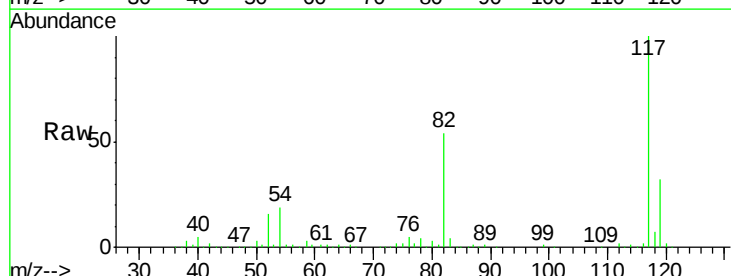
Manual Integrations
APPROVED

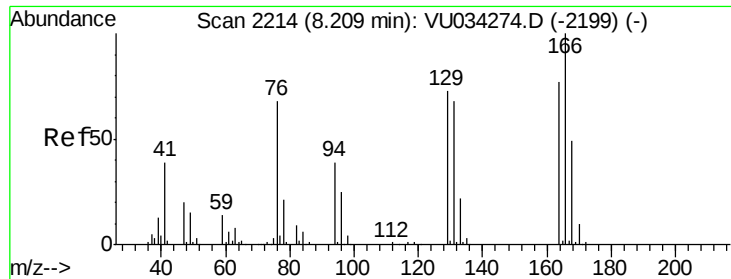
MMDadoda
9/16/2019 11:15:40 AM



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

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





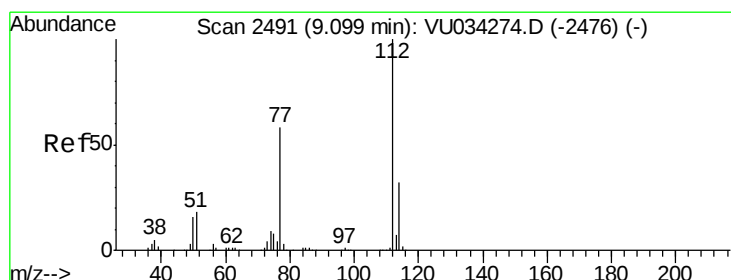
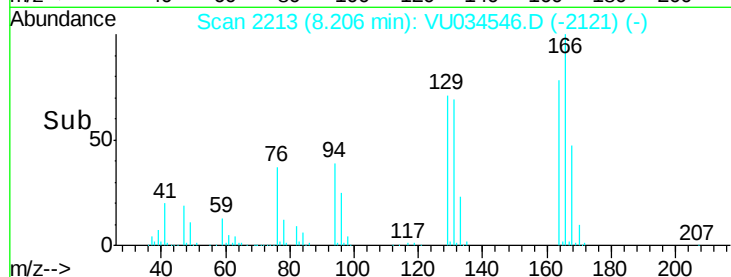
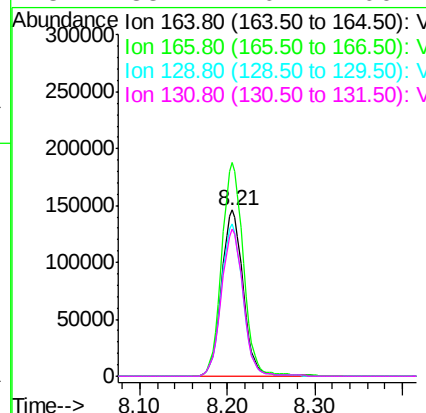
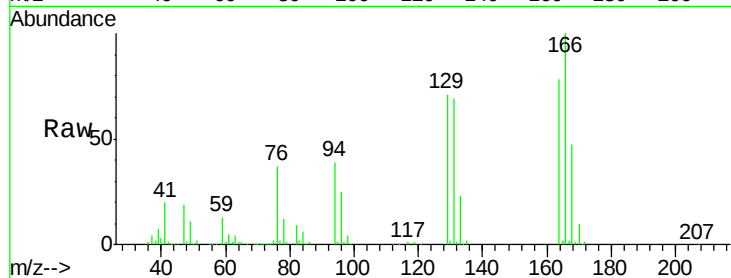
#64
Tetrachloroethene
Concen: 83.384 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034546.D
Acq: 13 Sep 2019 01:21

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

Tot Ion	Ratio	Lower	Upper
164	100		
166	128.6	103.7	155.5
129	91.4	75.8	113.8
131	88.7	70.7	106.1

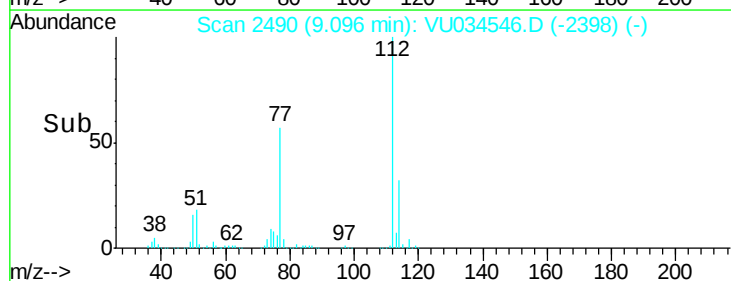
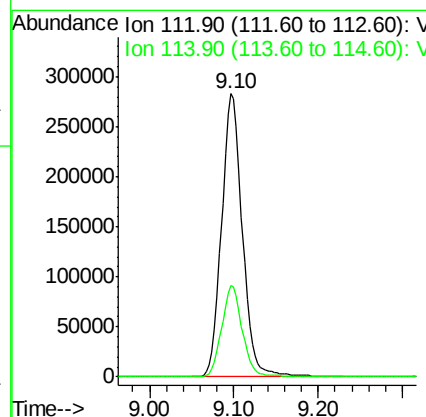
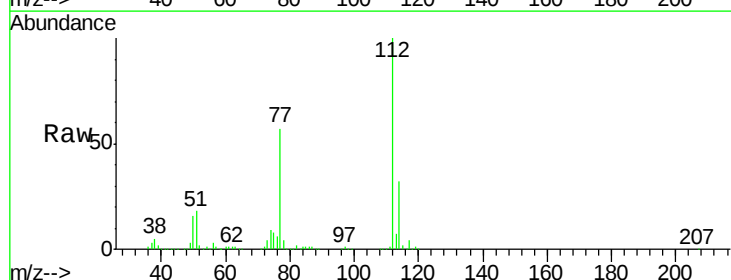
Manual Integrations
APPROVED

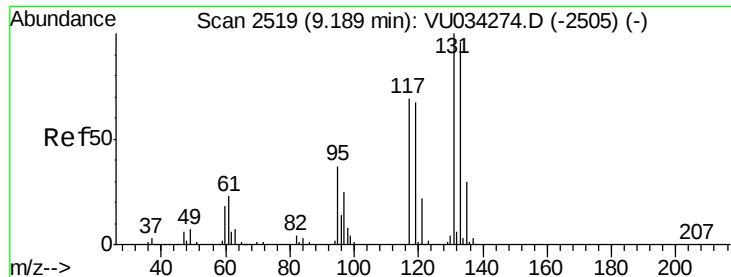
MMDadoda
9/16/2019 11:15:40 AM



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

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.9	38.9





#66

1,1,1,2-Tetrachloroethane

Concen: 56.540 ug/l

RT: 9.19 min Scan# 2518

Delta R.T. -0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Instrument :

MSVOA_U

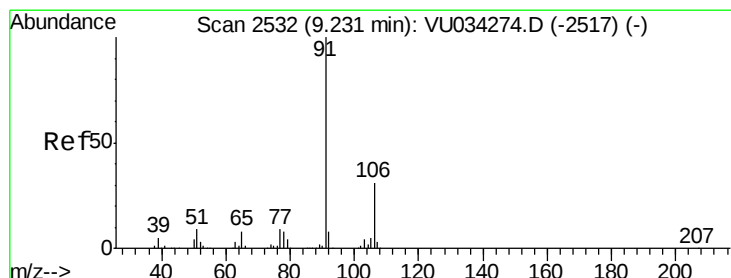
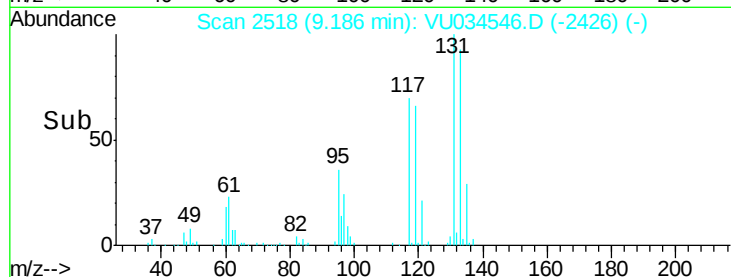
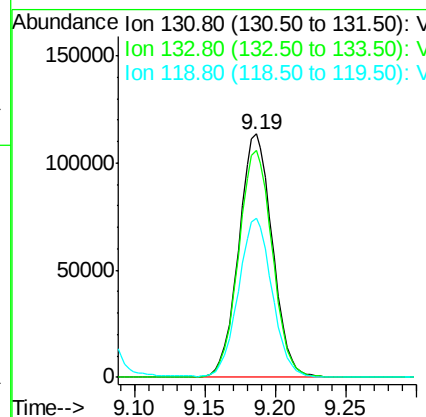
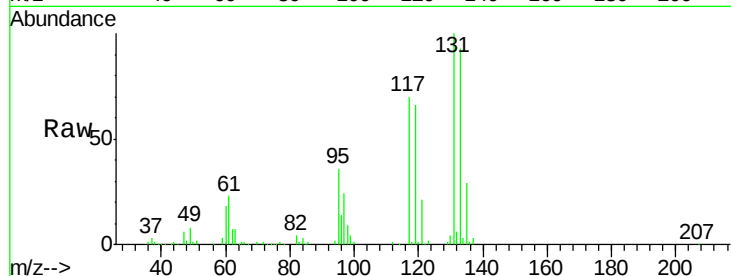
ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

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

Manual Integrations
APPROVED

MMDadoda
9/16/2019 11:15:40 AM



#67

Ethyl Benzene

Concen: 56.224 ug/l

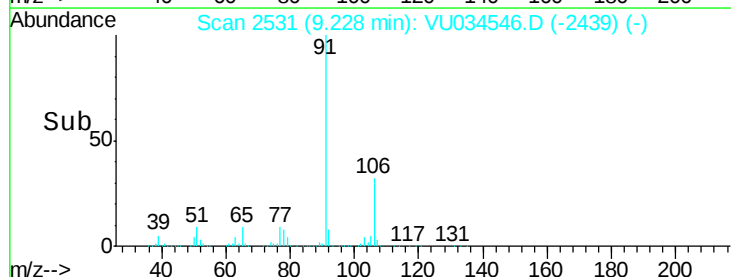
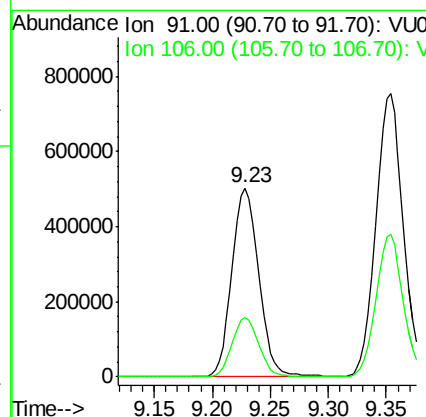
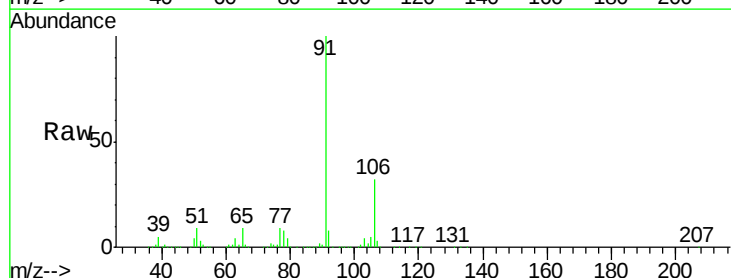
RT: 9.23 min Scan# 2531

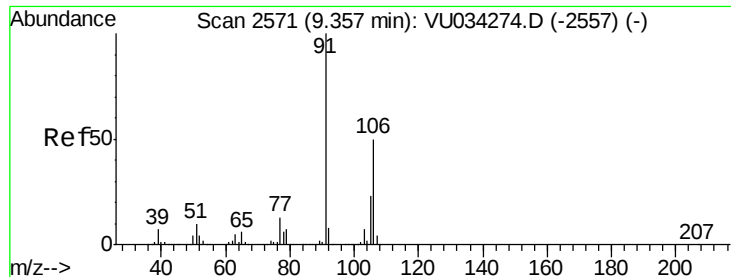
Delta R.T. -0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Tgt Ion:	91	Resp:	806797
Ion Ratio	Lower	Upper	
91	100		
106	31.7	24.8	37.2





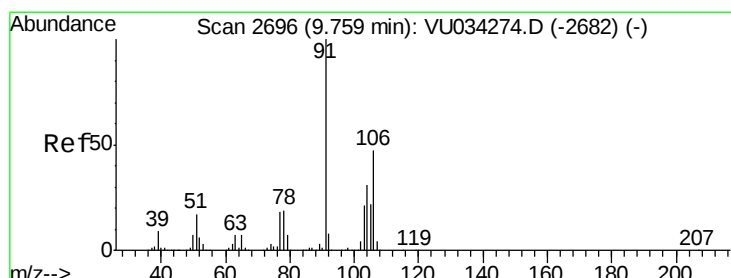
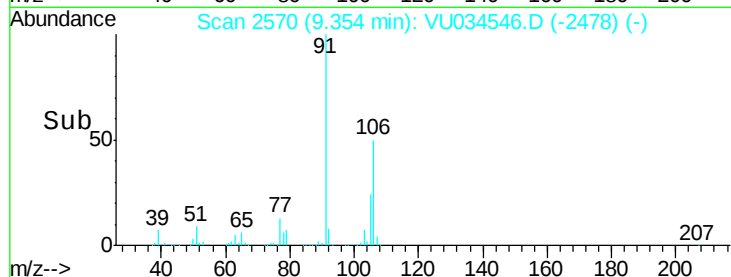
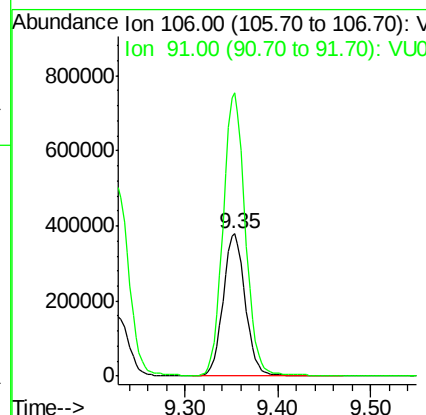
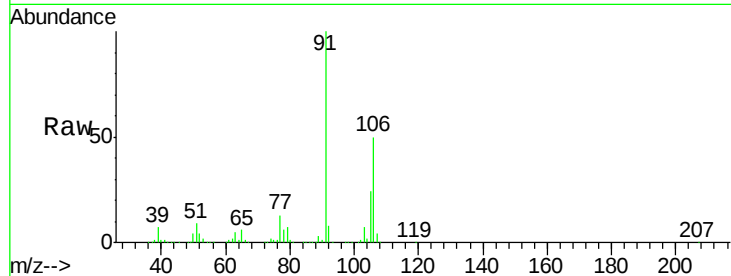
#68
m/p-Xylenes
Concen: 115.974 ug/l
RT: 9.35 min Scan# 2570
Delta R.T. -0.00 min
Lab File: VU034546.D
Acq: 13 Sep 2019 01:21

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	200.3	160.1	240.1		

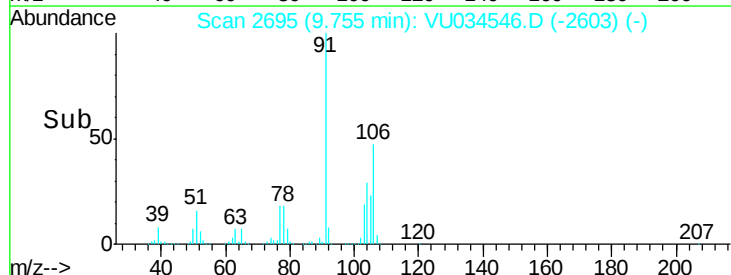
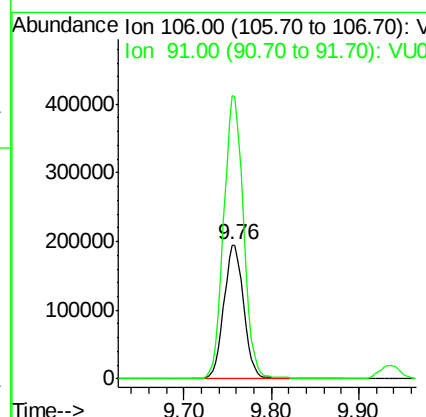
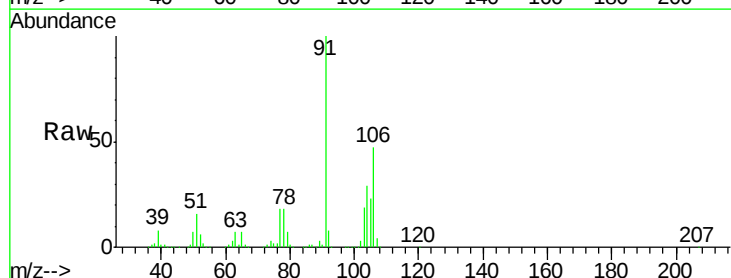
Manual Integrations
APPROVED

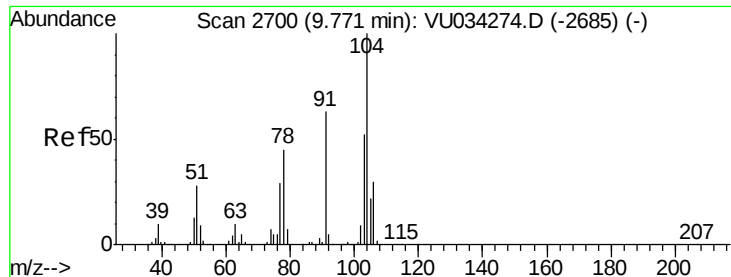
MMDadoda
9/16/2019 11:15:40 AM



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

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





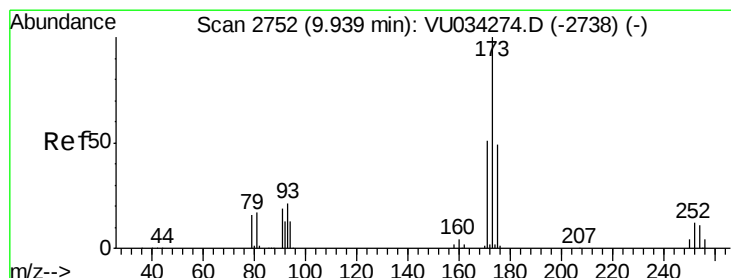
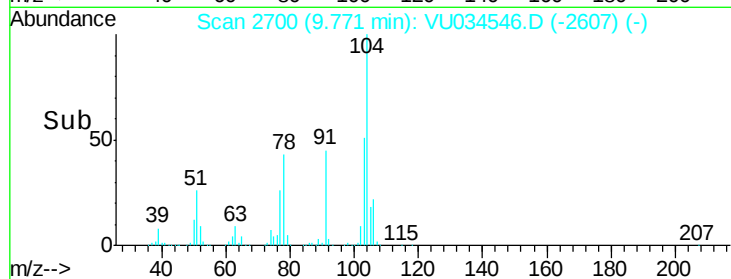
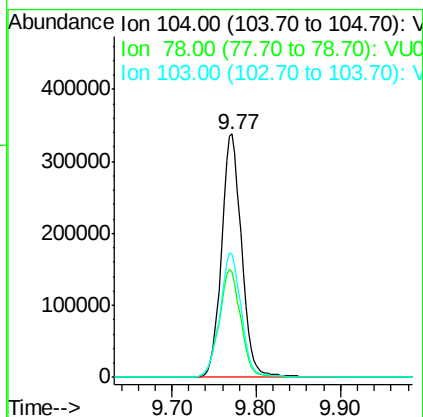
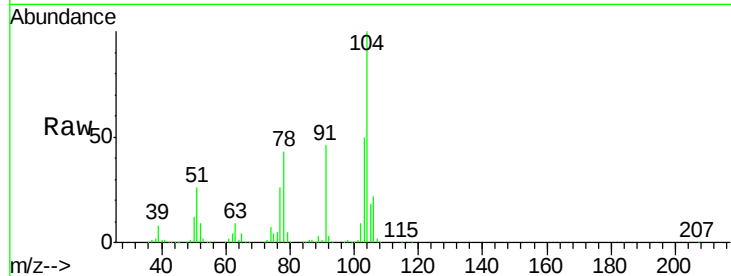
#70
Stvrene
Concen: 60.483 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. 0.00 min
Lab File: VU034546.D
Acq: 13 Sep 2019 01:21

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

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

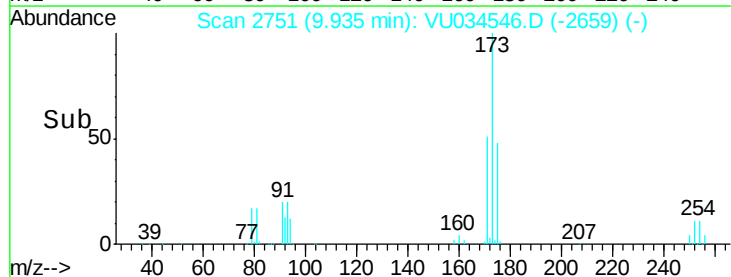
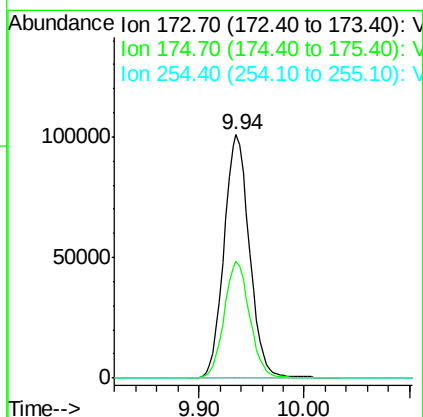
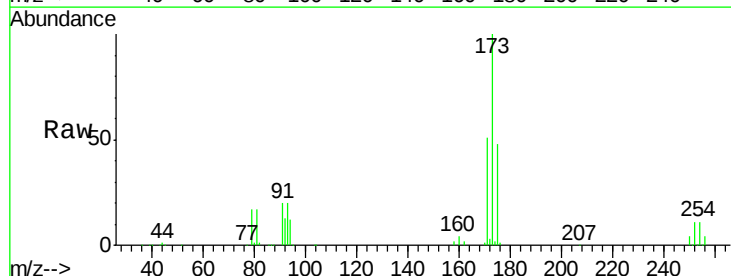
Manual Integrations
APPROVED

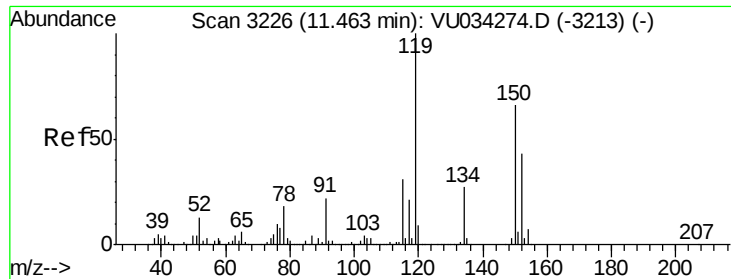
MMDadoda
9/16/2019 11:15:40 AM



#71
Bromoform
Concen: 57.937 ug/l
RT: 9.94 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VU034546.D
Acq: 13 Sep 2019 01:21

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	168175		
175	48.1		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: VU034546.D

Acq: 13 Sep 2019 01:21

Instrument :

MSVOA_U

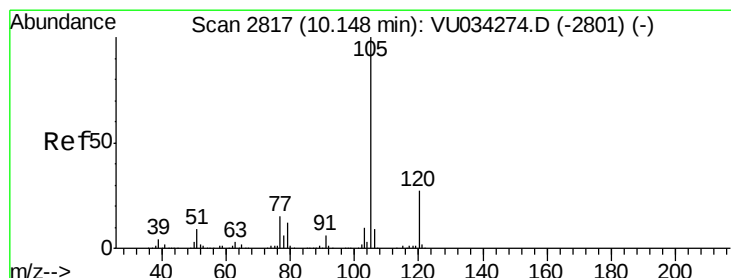
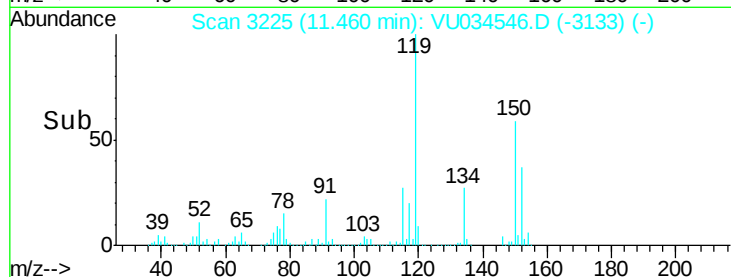
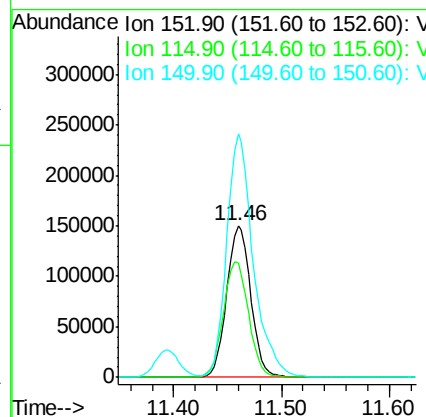
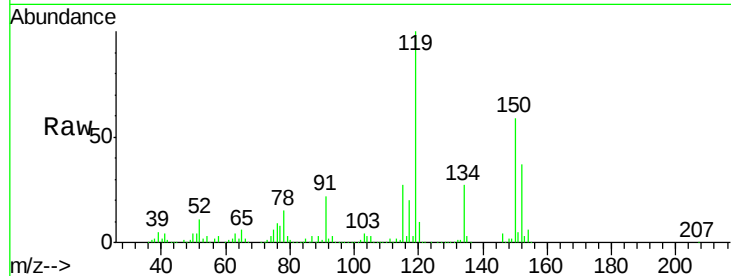
ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

Tot Ion:	152	Resp:	233901
Ion Ratio	Lower	Upper	
152	100		
115	79.8	39.1	117.3
150	175.4	0.0	345.4

Manual Integrations
APPROVED

MMDadoda
9/16/2019 11:15:40 AM



#73

Isopropylbenzene

Concen: 55.957 ug/l

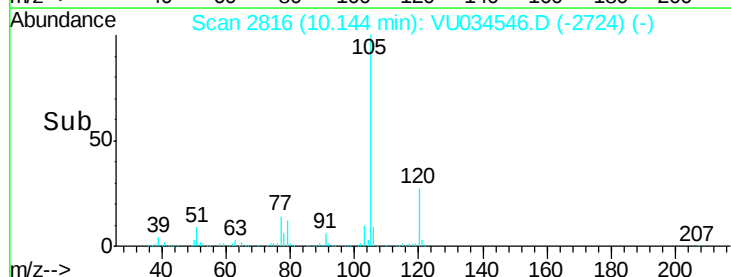
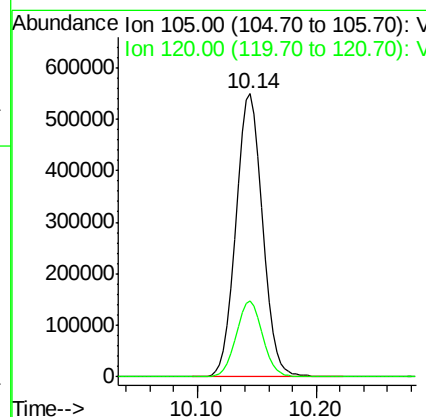
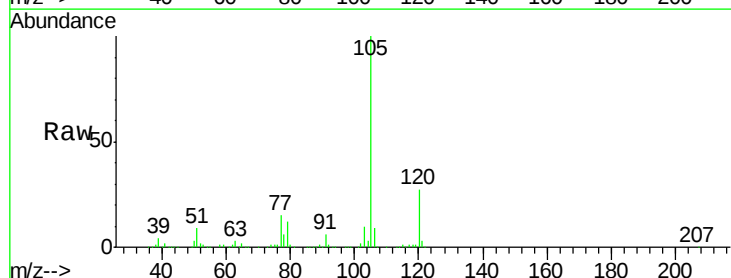
RT: 10.14 min Scan# 2816

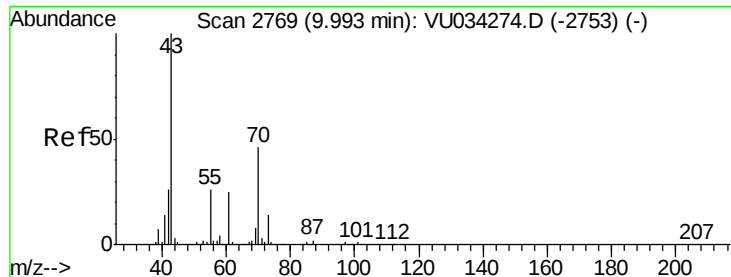
Delta R.T. -0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Tgt Ion:	105	Resp:	851755
Ion Ratio	Lower	Upper	
105	100		
120	26.6	13.4	40.2





#74

N-amvl acetate

Concen: 54.107 ug/l

RT: 9.99 min Scan# 2769

Delta R.T. 0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Instrument :

MSVOA_U

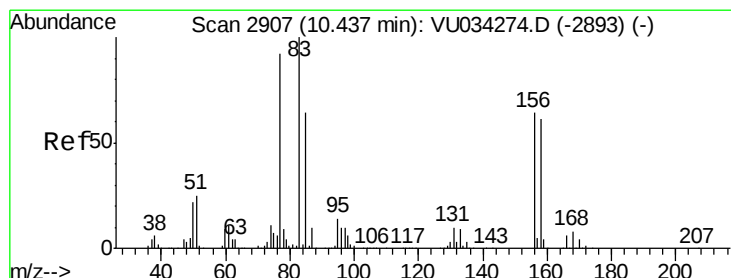
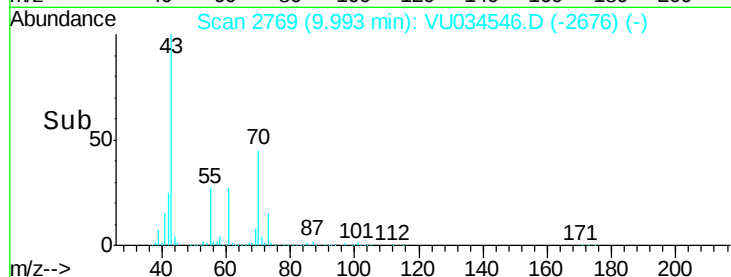
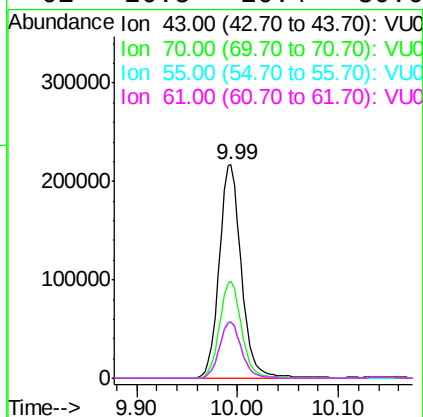
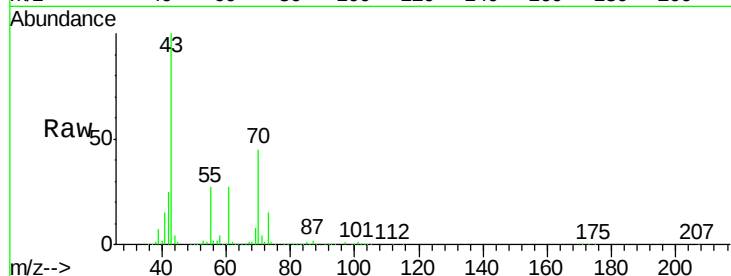
ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		331521		
70	45.3	36.4	54.6		
55	26.7	21.2	31.8		
61	26.5	20.4	30.6		

Manual Integrations
APPROVED

MMDadoda
9/16/2019 11:15:40 AM



#75

1,1,2,2-Tetrachloroethane

Concen: 54.713 ug/l

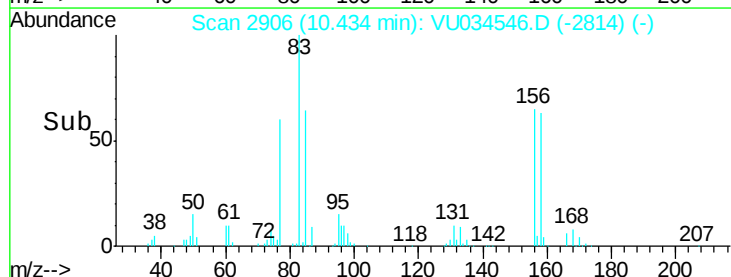
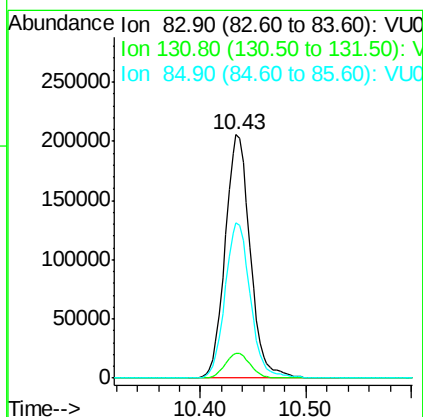
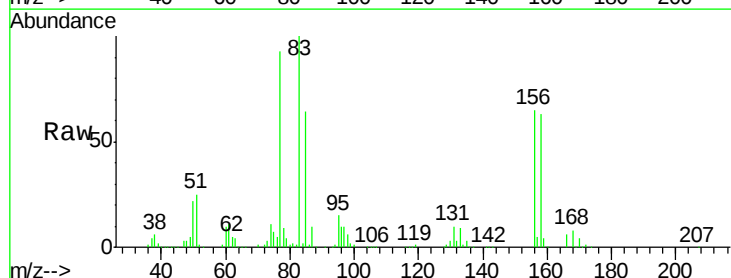
RT: 10.43 min Scan# 2906

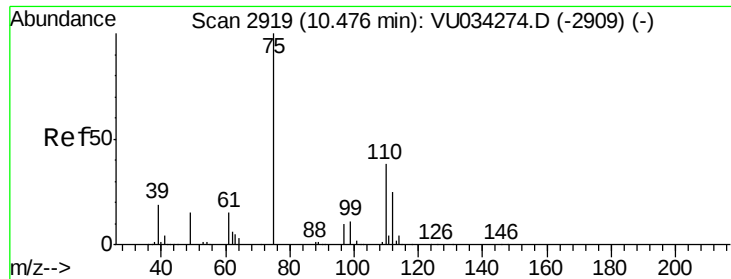
Delta R.T. -0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		337111		
131	10.2	5.1	15.2		
85	64.5	32.0	96.2		





#76

1,2,3-Trichloropropane

Concen: 56.048 ug/l m

RT: 10.47 min Scan# 2918

Delta R.T. -0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

Tot Ion: 75 Resp: 286161

Ion Ratio Lower Upper

75 100

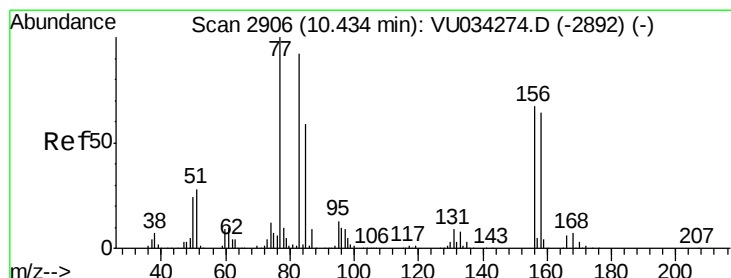
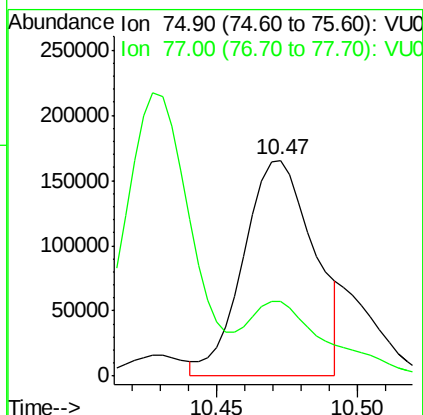
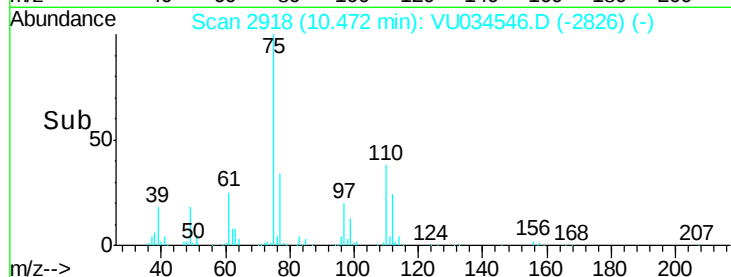
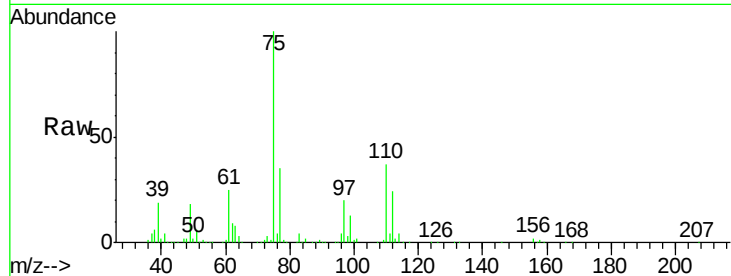
77 39.1 20.8 62.2

Manual Integrations

APPROVED

MMDadoda

9/16/2019 11:15:40 AM



#77

Bromobenzene

Concen: 55.461 ug/l

RT: 10.43 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

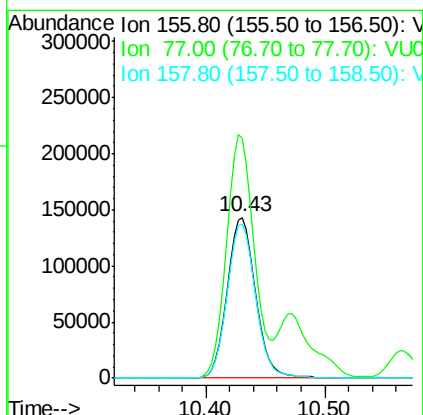
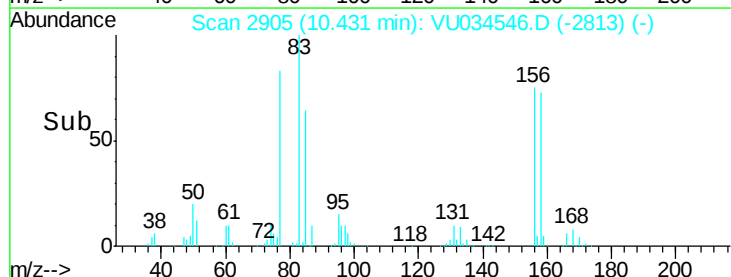
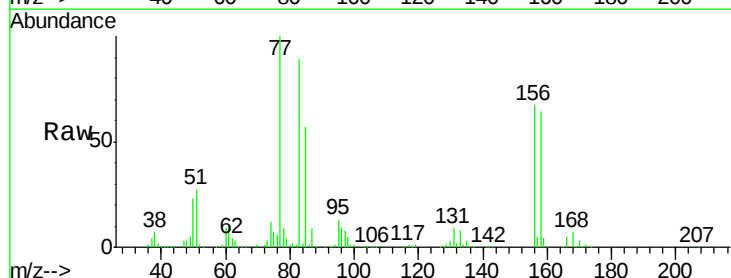
Tgt Ion: 156 Resp: 236054

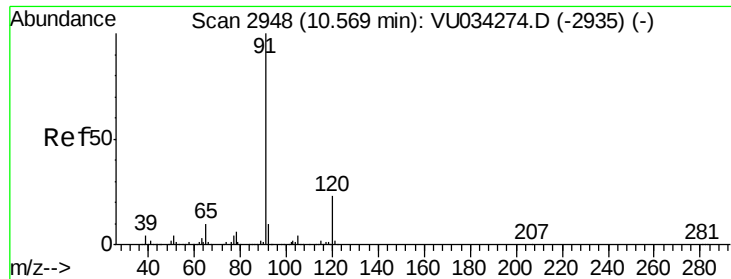
Ion Ratio Lower Upper

156 100

77 148.9 75.6 226.9

158 96.3 48.2 144.6





#78

n-propylbenzene

Concen: 55.157 ug/l

RT: 10.57 min Scan# 2947

Delta R.T. -0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

Tot Ion: 91 Resp: 969638

Ion Ratio Lower Upper

91 100

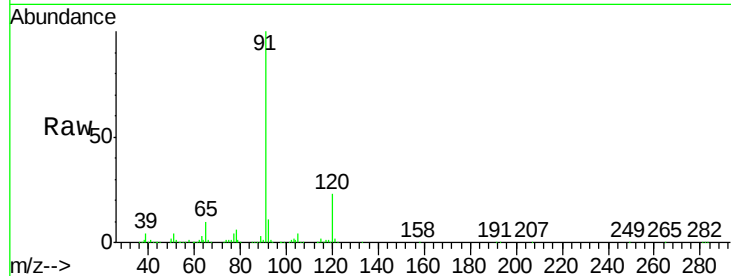
120 23.3 11.7 35.0

Manual Integrations

APPROVED

MMDadoda

9/16/2019 11:15:40 AM



Abundance Ion 91.00 (90.70 to 91.70): VU034274.D (-2935) (-)

Ion 120.00 (119.70 to 120.70): VU034274.D (-2935) (-)

600000

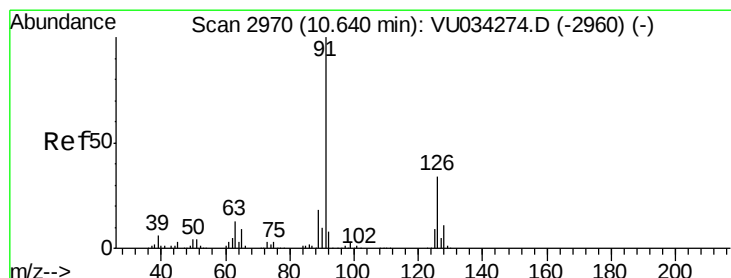
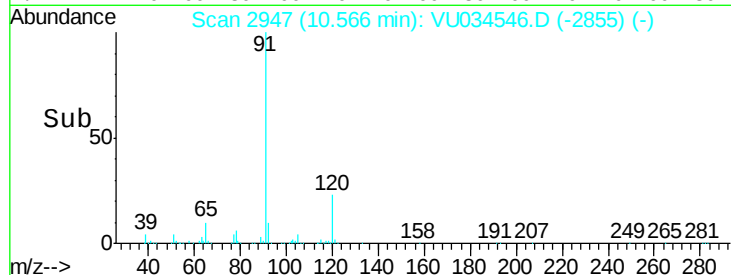
400000

200000

0

10.50 10.55 10.60

Time-->



#79

2-Chlorotoluene

Concen: 55.534 ug/l

RT: 10.64 min Scan# 2969

Delta R.T. -0.00 min

Lab File: VU034546.D

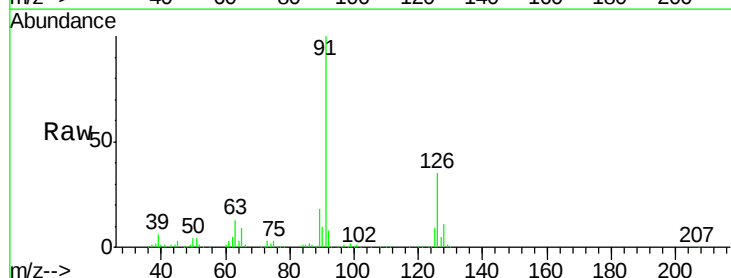
Acq: 13 Sep 2019 01:21

Tgt Ion: 91 Resp: 595678

Ion Ratio Lower Upper

91 100

126 34.5 17.3 51.9



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

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

600000

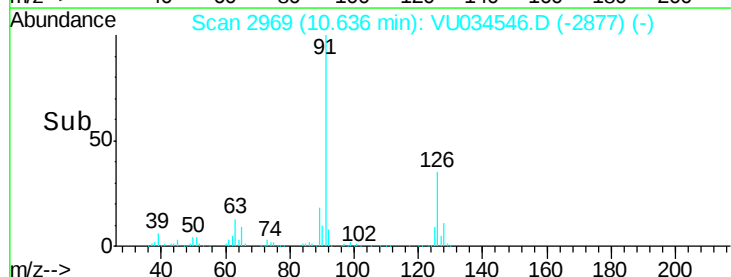
400000

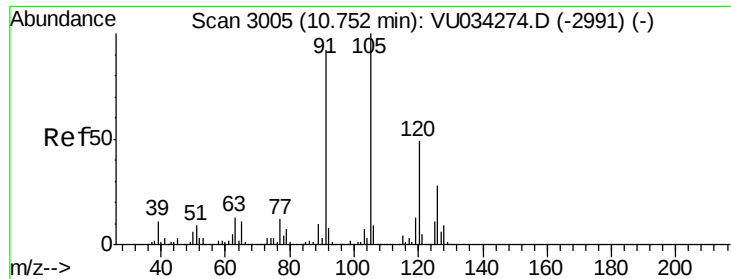
200000

0

10.60 10.65 10.70

Time-->





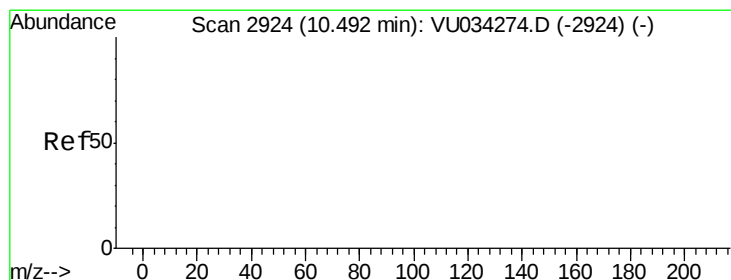
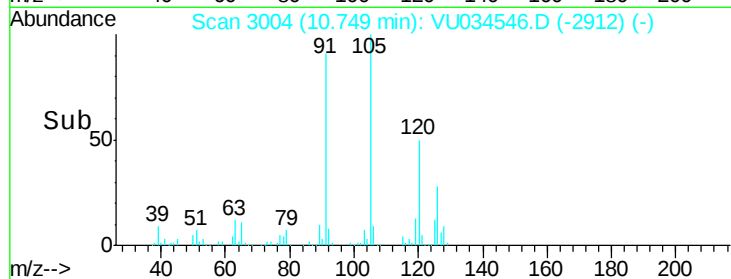
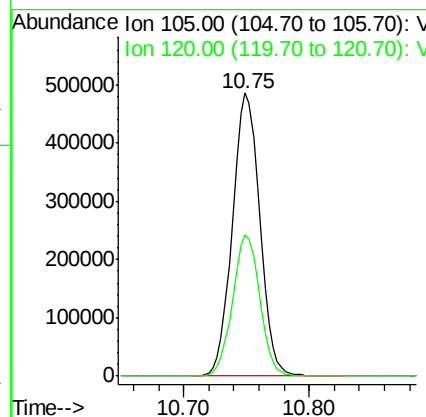
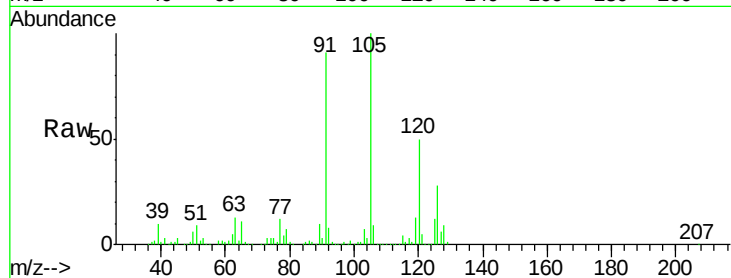
#80
 1,3,5-Trimethylbenzene
 Concen: 57.848 ug/l
 RT: 10.75 min Scan# 3004
 Delta R.T. -0.00 min
 Lab File: VU034546.D
 Acq: 13 Sep 2019 01:21

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

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

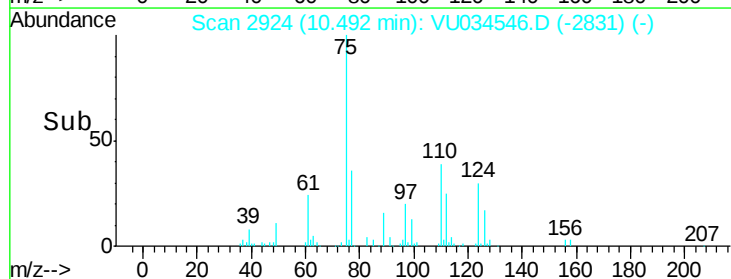
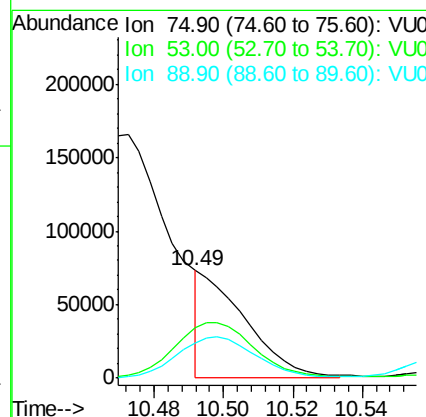
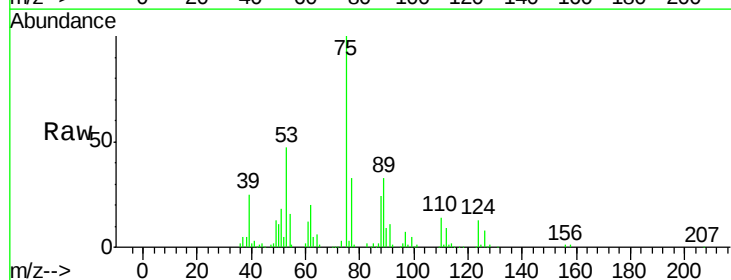
Manual Integrations
 APPROVED

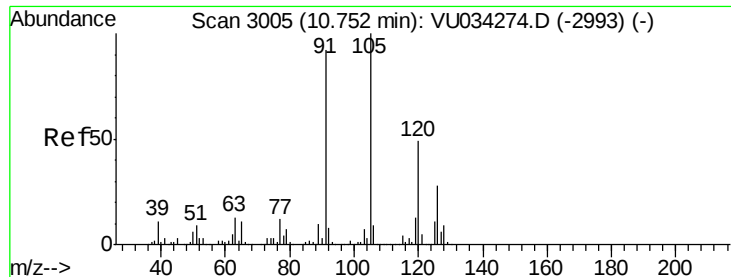
MMDadoda
 9/16/2019 11:15:40 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 43.229 ug/l m
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU034546.D
 Acq: 13 Sep 2019 01:21

Tgt Ion: 75 Resp: 65630
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#82

4-Chlorotoluene

Concen: 55.728 ug/l

RT: 10.75 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

Tot Ion: 91 Resp: 687891

Ion Ratio Lower Upper

91 100

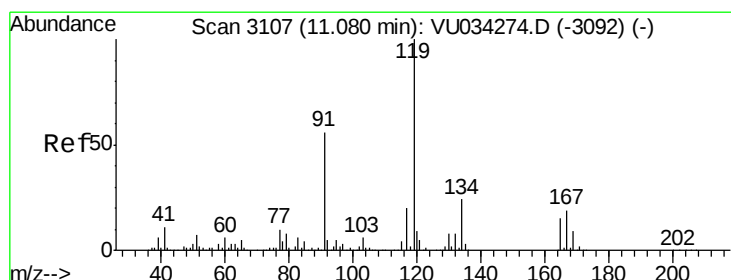
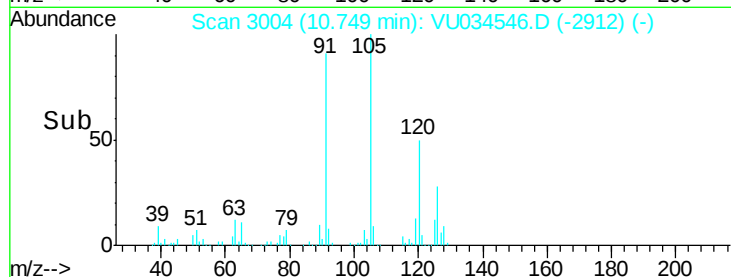
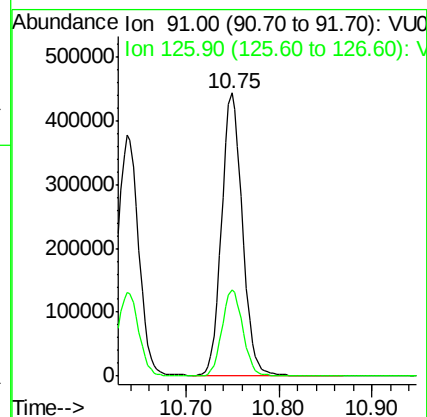
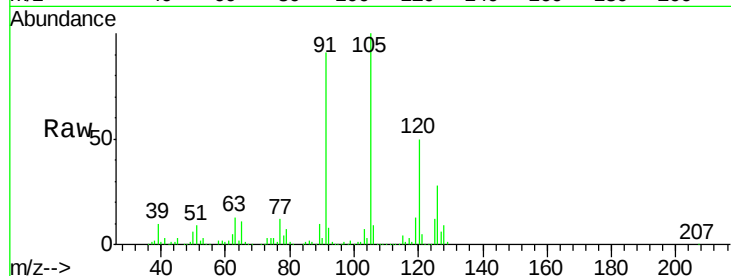
126 30.6 15.3 45.8

Manual Integrations

APPROVED

MMDadoda

9/16/2019 11:15:40 AM



#83

tert-Butylbenzene

Concen: 56.740 ug/l

RT: 11.08 min Scan# 3106

Delta R.T. -0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

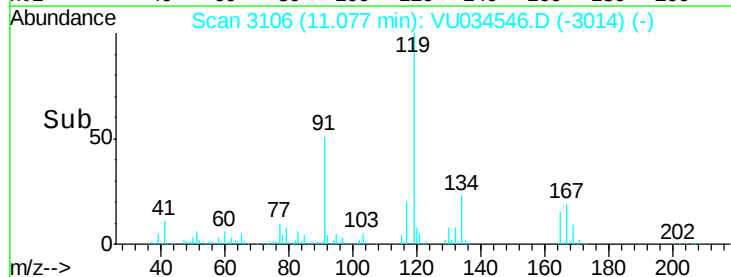
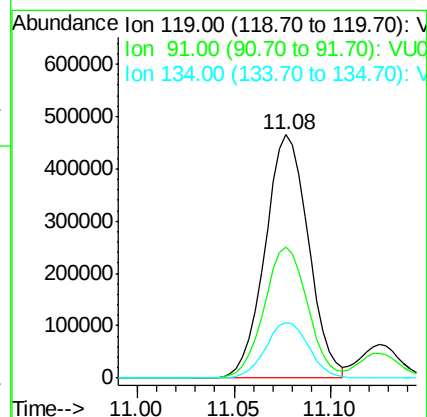
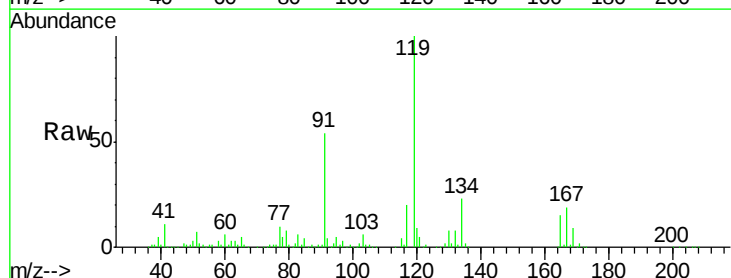
Tgt Ion: 119 Resp: 722604

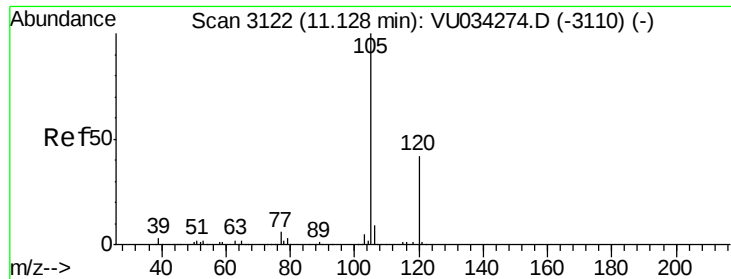
Ion Ratio Lower Upper

119 100

91 54.0 27.8 83.4

134 23.0 11.7 35.0





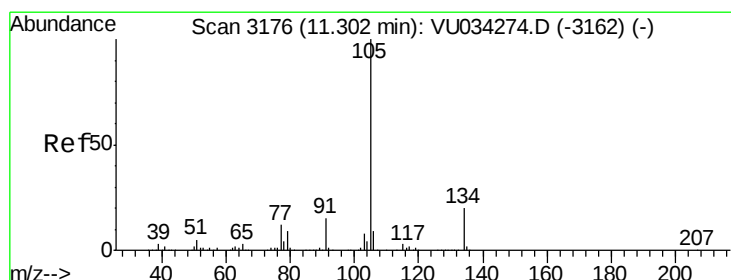
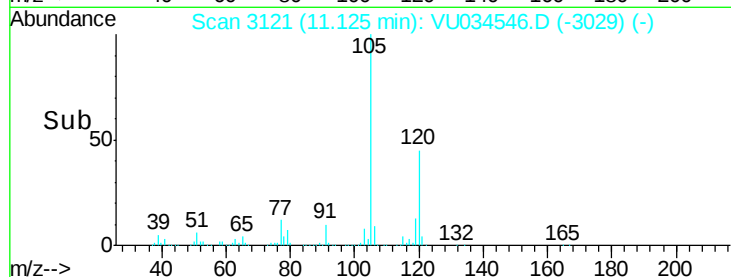
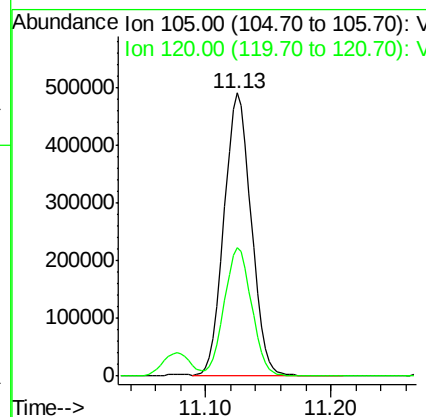
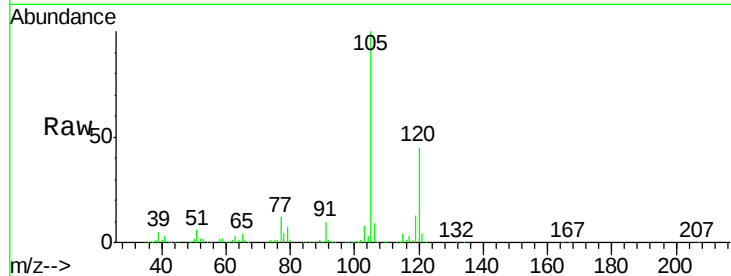
#84
 1,2,4-Trimethylbenzene
 Concen: 57.522 ug/l
 RT: 11.13 min Scan# 3121
 Delta R.T. -0.00 min
 Lab File: VU034546.D
 Acq: 13 Sep 2019 01:21

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

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

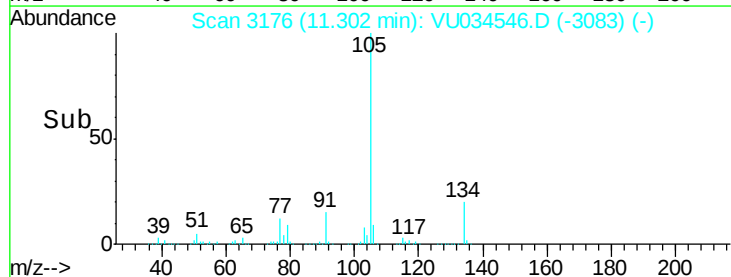
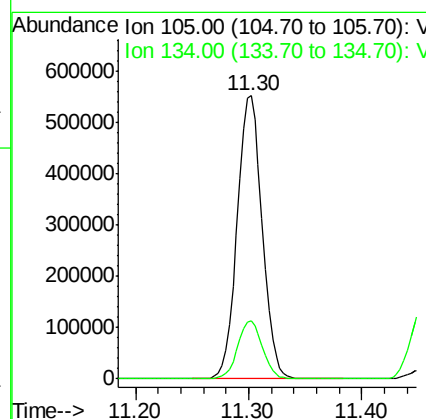
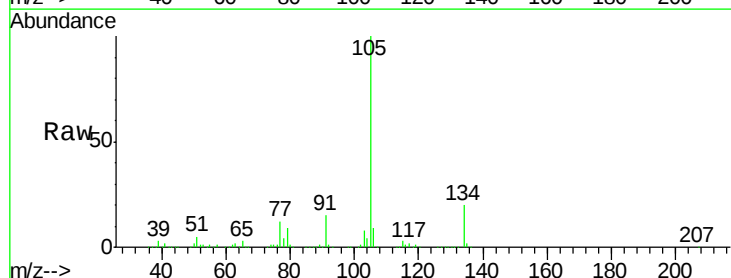
Manual Integrations
 APPROVED

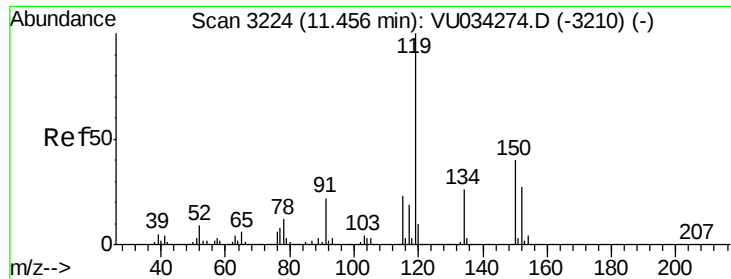
MMDadoda
 9/16/2019 11:15:40 AM



#85
 sec-Butylbenzene
 Concen: 56.363 ug/l
 RT: 11.30 min Scan# 3176
 Delta R.T. 0.00 min
 Lab File: VU034546.D
 Acq: 13 Sep 2019 01:21

Tgt Ion:105 Resp: 847419
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.1 30.3





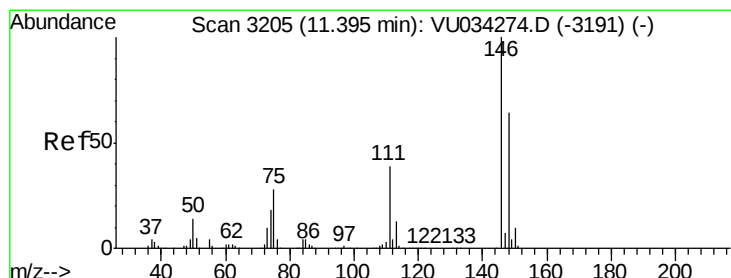
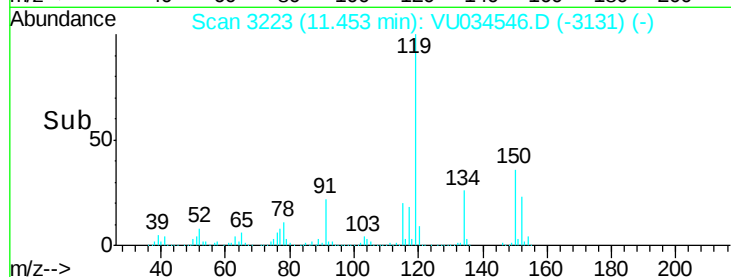
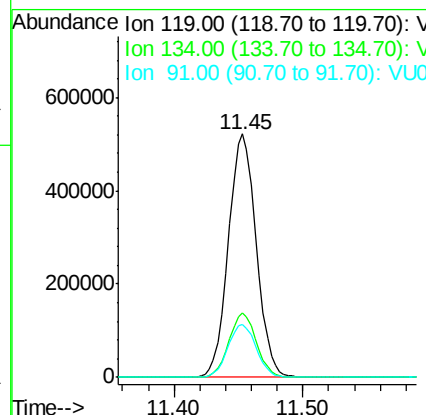
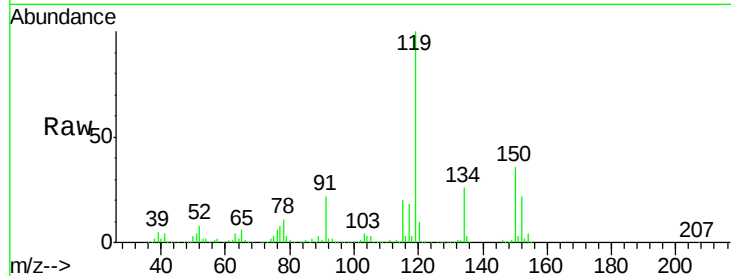
#86
p-Isopropyltoluene
Concen: 55.999 ug/l
RT: 11.45 min Scan# 3223
Delta R.T. -0.00 min
Lab File: VU034546.D
Acq: 13 Sep 2019 01:21

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

Tot Ion	Ratio	Resp	Lower	Upper
119	100	777106		
134	26.1	13.3	39.8	
91	22.1	11.2	33.6	

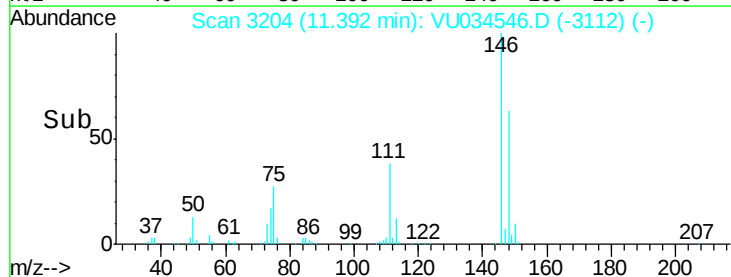
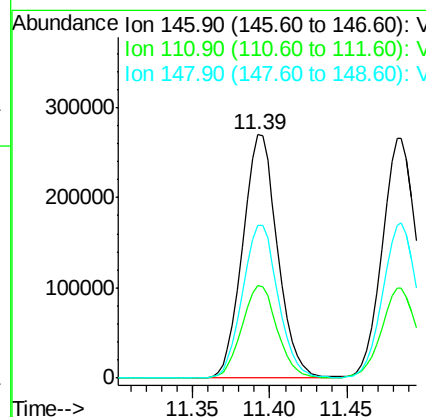
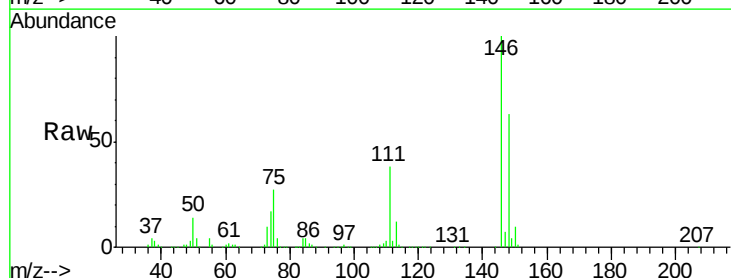
Manual Integrations
APPROVED

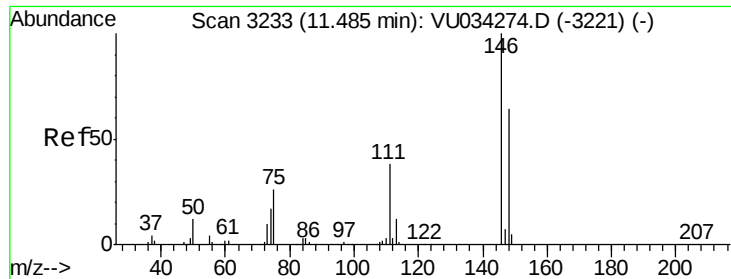
MMDadoda
9/16/2019 11:15:40 AM



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

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





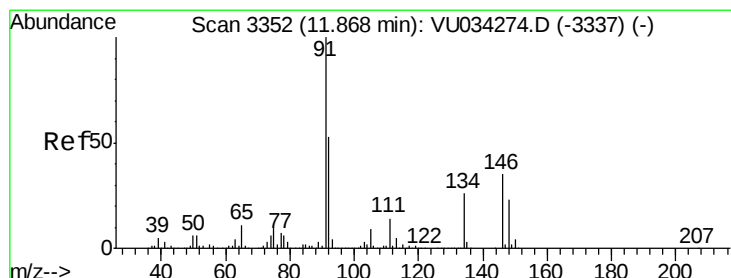
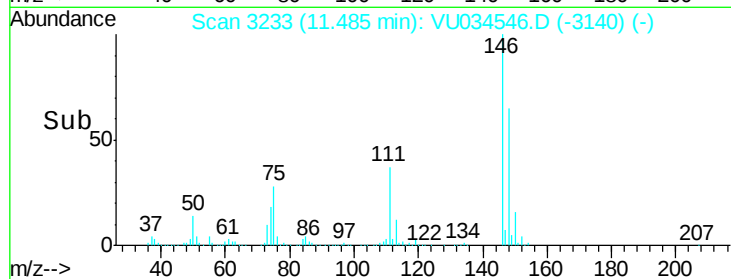
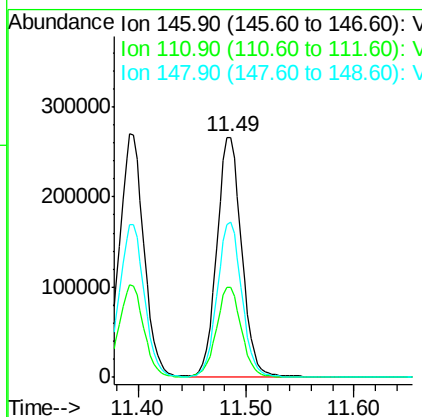
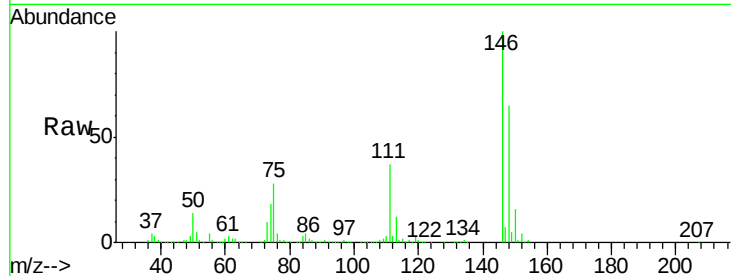
#88
 1,4-Dichlorobenzene
 Concen: 52.506 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. 0.00 min
 Lab File: VU034546.D
 Acq: 13 Sep 2019 01:21

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.1	57.3
148	63.7	32.0	96.0

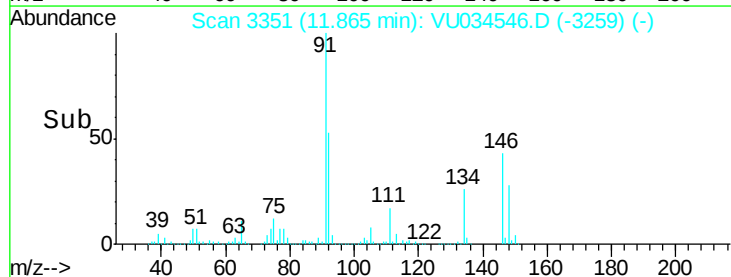
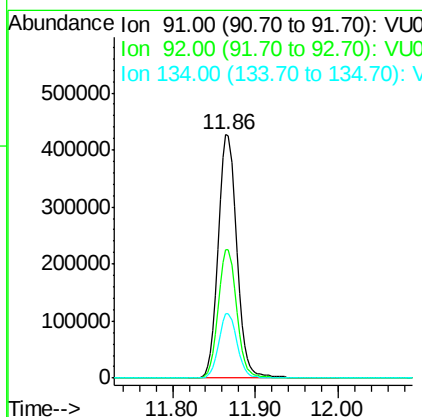
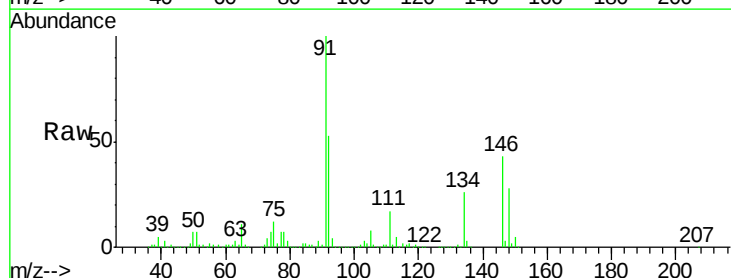
Manual Integrations
 APPROVED

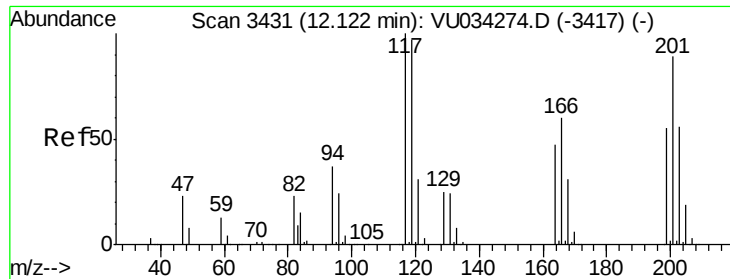
MMDadoda
 9/16/2019 11:15:40 AM



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

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





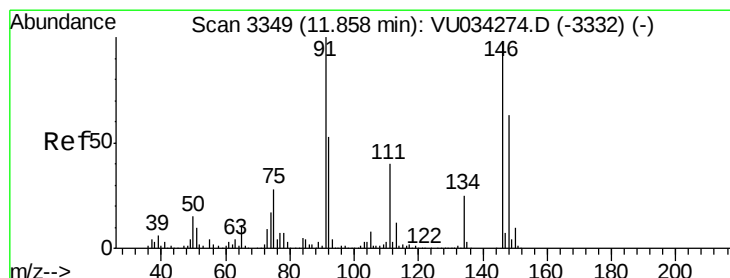
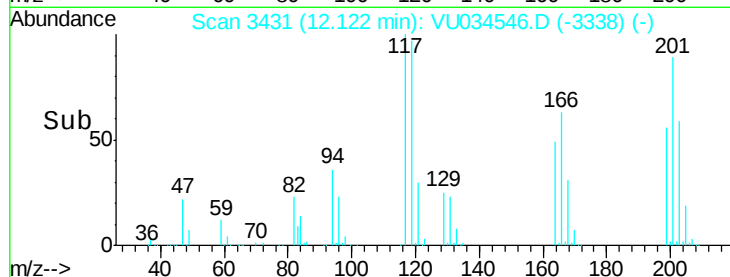
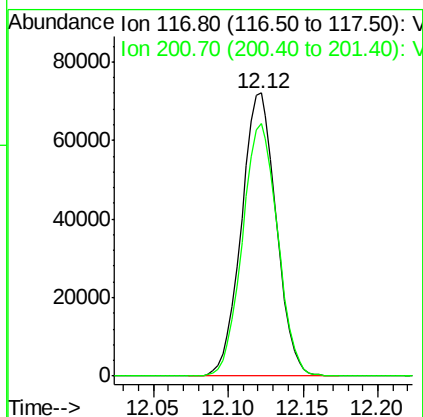
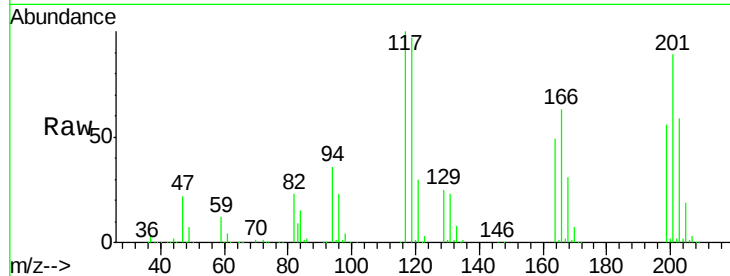
#90
Hexachloroethane
Concen: 52.570 ug/l
RT: 12.12 min Scan# 3431
Delta R.T. 0.00 min
Lab File: VU034546.D
Acq: 13 Sep 2019 01:21

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

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

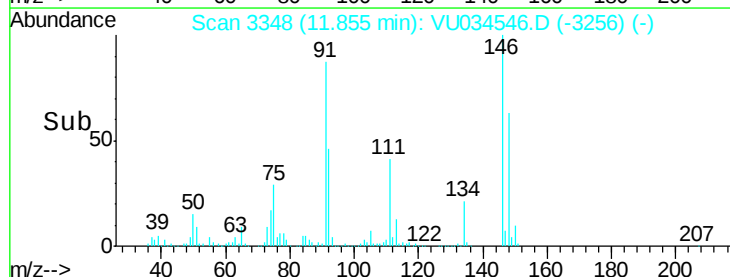
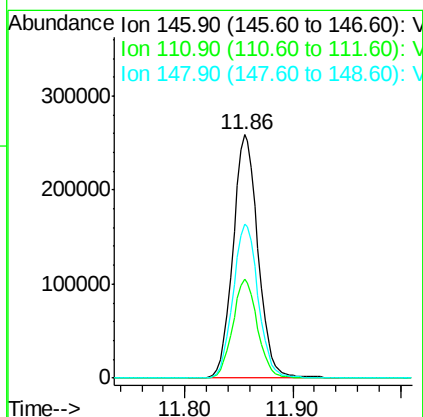
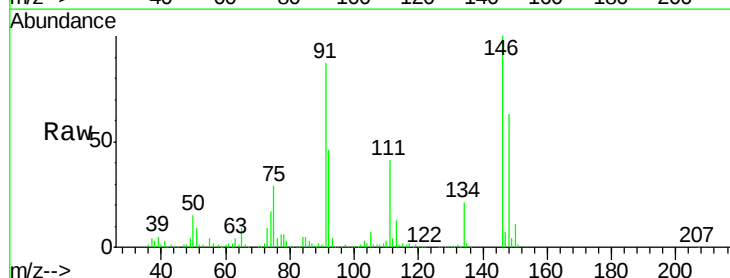
Manual Integrations
APPROVED

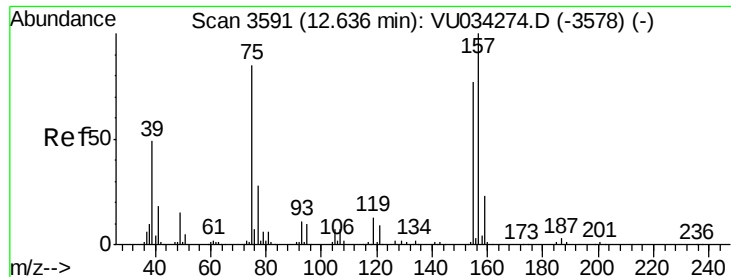
MMDadoda
9/16/2019 11:15:40 AM



#91
1,2-Dichlorobenzene
Concen: 55.025 ug/l
RT: 11.86 min Scan# 3348
Delta R.T. -0.00 min
Lab File: VU034546.D
Acq: 13 Sep 2019 01:21

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	420000		
111	40.2	20.0	60.0	
148	64.0	31.6	94.8	





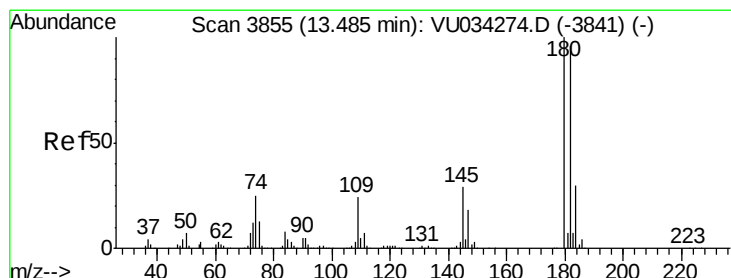
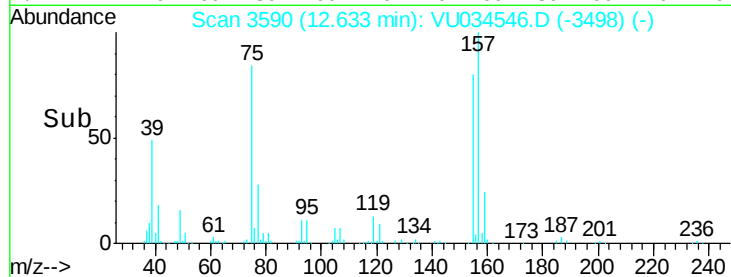
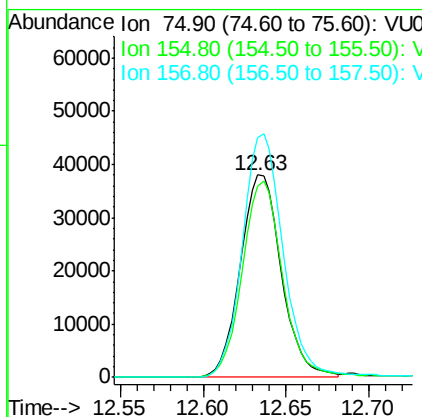
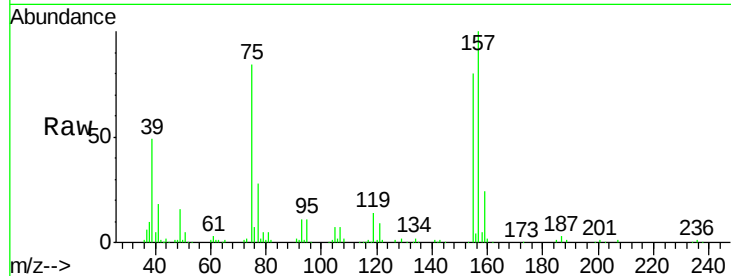
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.056 ug/l
 RT: 12.63 min Scan# 3590
 Delta R.T. -0.00 min
 Lab File: VU034546.D
 Acq: 13 Sep 2019 01:21

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

Tot Ion	Ratio	Lower	Upper
75	100		
155	94.7	44.6	134.0
157	119.0	58.2	174.6

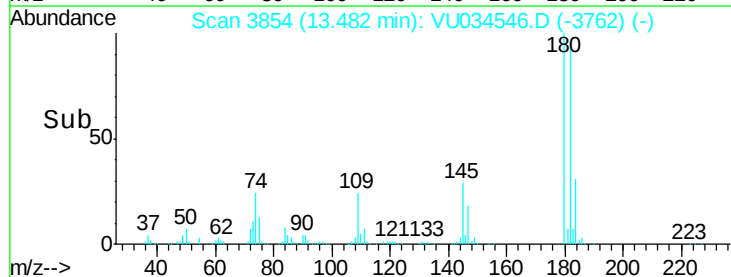
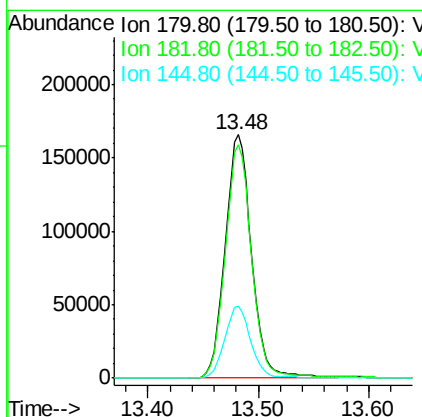
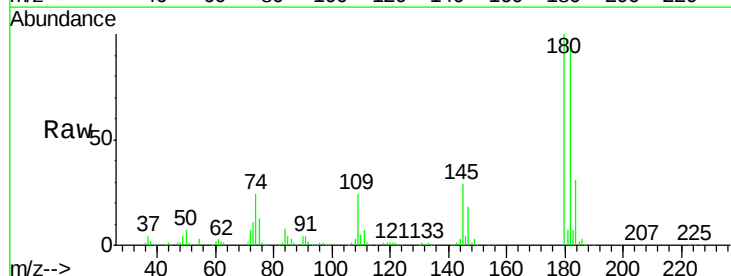
Manual Integrations
 APPROVED

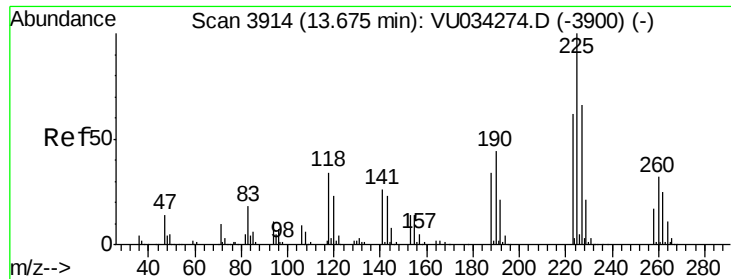
MMDadoda
 9/16/2019 11:15:40 AM



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

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





#94

Hexachlorobutadiene

Concen: 46.072 ug/l

RT: 13.67 min Scan# 3912

Delta R.T. -0.01 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Instrument :

MSVOA_U

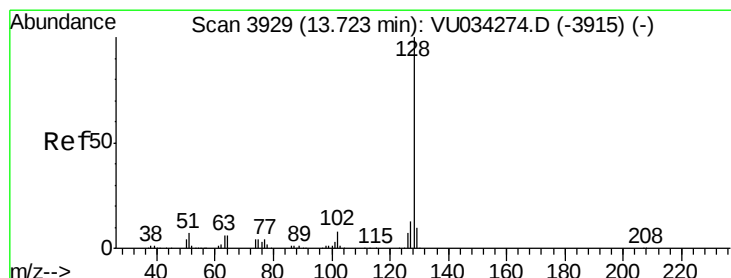
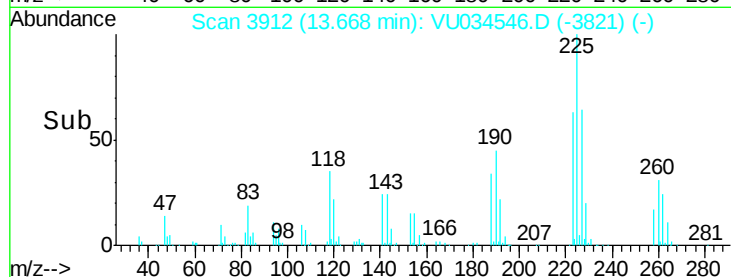
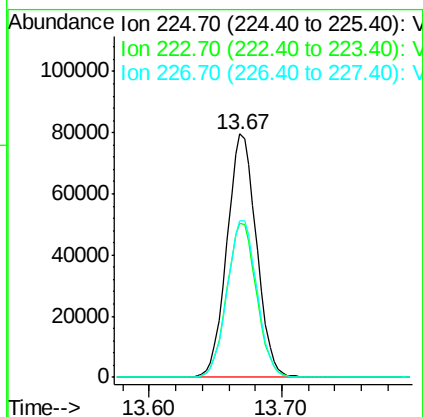
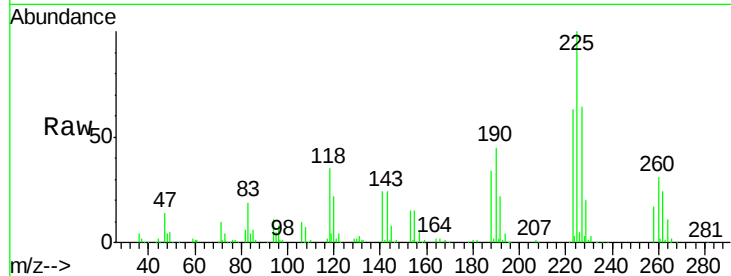
ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

Tot Ion:	225	Resp:	123010
Ion Ratio		Lower	Upper
225	100		
223	63.6	31.6	94.7
227	64.9	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
9/16/2019 11:15:40 AM



#95

Naphthalene

Concen: 53.531 ug/l

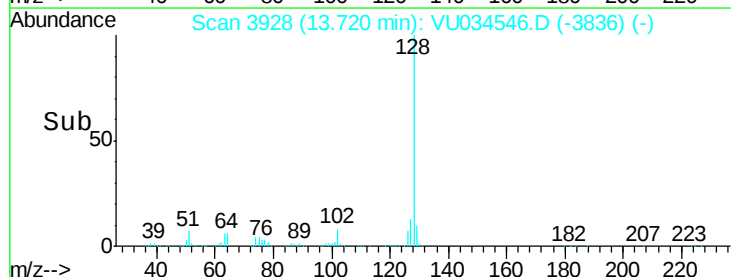
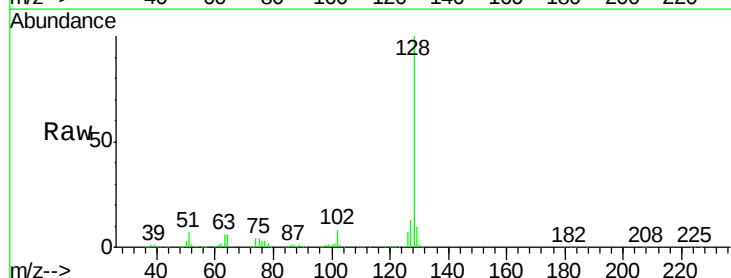
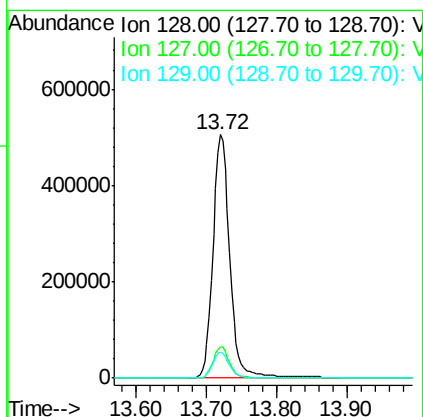
RT: 13.72 min Scan# 3928

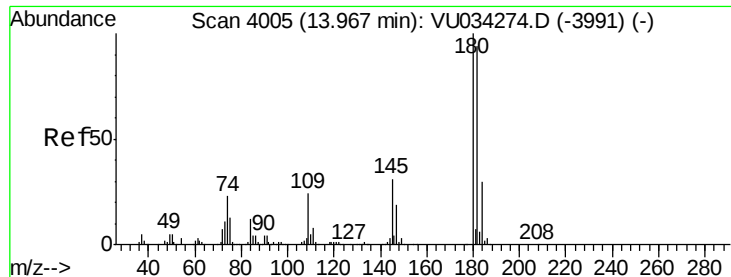
Delta R.T. -0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

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





#96

1,2,3-Trichlorobenzene

Concen: 52.081 ug/l

RT: 13.96 min Scan# 4004

Delta R.T. -0.00 min

Lab File: VU034546.D

Acq: 13 Sep 2019 01:21

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW09D-M27W1-090319MS

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

Manual Integrations
APPROVED

MMDadoda
9/16/2019 11:15:40 AM

