

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090719\
 Data File : VU034346.D
 Acq On : 06 Sep 2019 21:36
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 1:30:43 PM

Quant Time: Sep 07 04:49:51 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	313098	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	458116	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	451570	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	293455	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	224606	47.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.82%	
35) Dibromofluoromethane	4.86	113	205733	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	
50) Toluene-d8	7.55	98	794250	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
62) 4-Bromofluorobenzene	10.29	95	305218	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	141352	43.167	ug/l	99
3) Chloromethane	1.32	50	164701	46.549	ug/l	99
4) Vinyl Chloride	1.40	62	180148	44.149	ug/l	98
5) Bromomethane	1.61	94	112911	54.942	ug/l	100
6) Chloroethane	1.69	64	114761	48.355	ug/l	98
7) Trichlorofluoromethane	1.87	101	248982	45.508	ug/l	99
8) Diethyl Ether	2.09	74	115483	47.986	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.27	101	165461	45.660	ug/l	99
10) Methyl Iodide	2.40	142	158885	48.084	ug/l	99
11) Tert butyl alcohol	2.81	59	256618	256.410	ug/l	100
12) 1,1-Dichloroethene	2.27	96	159501	46.822	ug/l	97
13) Acrolein	2.18	56	129930	154.463	ug/l	99
14) Allyl chloride	2.58	41	295544m	45.380	ug/l	
15) Acrylonitrile	2.92	53	620058	248.794	ug/l	100
16) Acetone	2.31	43	485258	197.943	ug/l	99
17) Carbon Disulfide	2.47	76	320131	41.813	ug/l	100
18) Methyl Acetate	2.60	43	272404	45.666	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	625090	50.343	ug/l	100
20) Methylene Chloride	2.69	84	200736	49.992	ug/l	96
21) trans-1,2-Dichloroethene	2.97	96	166694	46.435	ug/l	98
22) Diisopropyl ether	3.55	45	625126	49.220	ug/l	98
23) Vinyl Acetate	3.50	43	2616426	252.908	ug/l	99
24) 1,1-Dichloroethane	3.43	63	353030	46.545	ug/l	100
25) 2-Butanone	4.24	43	793405	242.450	ug/l	98
26) 2,2-Dichloropropane	4.20	77	258660	42.402	ug/l	98
27) cis-1,2-Dichloroethene	4.20	96	214576	49.216	ug/l	97
28) Bromochloromethane	4.52	49	166209	47.643	ug/l	98
29) Tetrahydrofuran	4.61	42	500984	251.586	ug/l	98
30) Chloroform	4.65	83	352540	45.728	ug/l	100
31) Cyclohexane	4.97	56	254310	45.831	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	290505	47.130	ug/l	98
36) 1,1-Dichloropropene	5.12	75	232056	46.707	ug/l	99
37) Ethyl Acetate	4.36	43	281068	47.848	ug/l	99
38) Carbon Tetrachloride	5.11	117	245226	46.227	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U090719\
 Data File : VU034346.D
 Acq On : 06 Sep 2019 21:36
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 1:30:43 PM

Quant Time: Sep 07 04:49:51 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	254485	47.915	ug/l	98
40) Benzene	5.37	78	758728	47.327	ug/l	99
41) Methacrylonitrile	4.52	41	159695	51.038	ug/l	98
42) 1,2-Dichloroethane	5.38	62	256574	46.096	ug/l	100
43) Isopropyl Acetate	5.53	43	450154	49.124	ug/l	99
44) Trichloroethene	6.17	130	215226	48.515	ug/l	100
45) 1,2-Dichloropropane	6.41	63	223035	47.589	ug/l	98
46) Dibromomethane	6.54	93	138845	47.196	ug/l	98
47) Bromodichloromethane	6.74	83	284728	47.019	ug/l	98
48) Methyl methacrylate	6.60	41	213536	49.062	ug/l	99
49) 1,4-Dioxane	6.59	88	106093	1116.304	ug/l	98
51) 4-Methyl-2-Pentanone	7.44	43	1552596	244.772	ug/l	99
52) Toluene	7.62	92	489221	48.646	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	298139	47.494	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	336270	48.808	ug/l	100
55) 1,1,2-Trichloroethane	8.05	97	216205	47.346	ug/l	98
56) Ethyl methacrylate	8.00	69	327503	47.378	ug/l	99
57) 1,3-Dichloropropane	8.22	76	356222	47.906	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	537086	230.227	ug/l	100
59) 2-Hexanone	8.34	43	1171331	247.190	ug/l	98
60) Dibromochloromethane	8.46	129	239400	48.877	ug/l	98
61) 1,2-Dibromoethane	8.57	107	216725	48.489	ug/l	100
64) Tetrachloroethene	8.21	164	192105	49.036	ug/l	96
65) Chlorobenzene	9.10	112	571529	49.887	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	210776	48.208	ug/l	99
67) Ethyl Benzene	9.23	91	960826	51.293	ug/l	99
68) m/p-Xylenes	9.35	106	736890	104.467	ug/l	100
69) o-Xylene	9.76	106	362856	52.601	ug/l	100
70) Styrene	9.77	104	653775	54.055	ug/l	99
71) Bromoform	9.94	173	187234	49.412	ug/l #	99
73) Isopropylbenzene	10.14	105	998647	52.292	ug/l	99
74) N-amyl acetate	9.99	43	417145	54.265	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	372094	48.135	ug/l	100
76) 1,2,3-Trichloropropane	10.47	75	326979m	51.046	ug/l	
77) Bromobenzene	10.43	156	271236	50.795	ug/l	97
78) n-propylbenzene	10.57	91	1144942	51.912	ug/l	99
79) 2-Chlorotoluene	10.64	91	686991	51.049	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	854447	53.497	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	91292m	47.928	ug/l	
82) 4-Chlorotoluene	10.75	91	797757	51.512	ug/l	99
83) tert-Butylbenzene	11.08	119	849825	53.187	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	866529	53.897	ug/l	100
85) sec-Butylbenzene	11.30	105	1002825	53.163	ug/l	99
86) p-Isopropyltoluene	11.45	119	929833	53.407	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	494404	50.739	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	497464	48.947	ug/l	100
89) n-Butylbenzene	11.87	91	809259	53.487	ug/l	100
90) Hexachloroethane	12.12	117	132873	47.702	ug/l	95
91) 1,2-Dichlorobenzene	11.86	146	482398	50.374	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.64	75	73957	52.065	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090719\
Data File : VU034346.D
Acq On : 06 Sep 2019 21:36
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

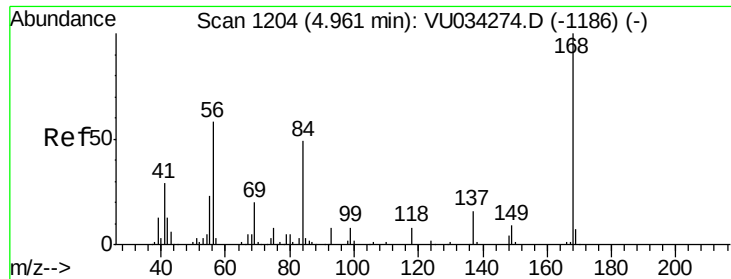
Manual Integrations
APPROVED

MMDadoda
9/10/2019 1:30:43 PM

Quant Time: Sep 07 04:49:51 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)
93) 1,2,4-Trichlorobenzene	13.48	180	341845	49.274	ug/l	99
94) Hexachlorobutadiene	13.67	225	156662	46.768	ug/l	99
95) Naphthalene	13.72	128	996525	50.876	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	337544	50.300	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 313098

Ion Ratio Lower Upper

168 100

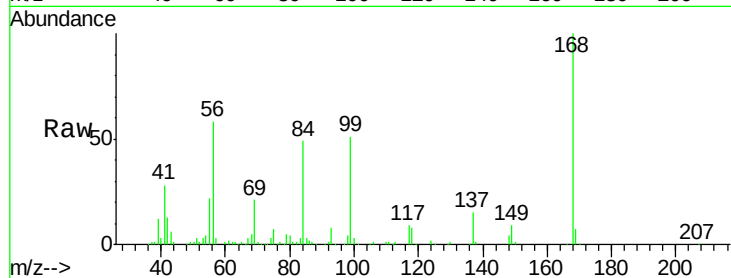
99 50.2 41.6 62.4

Manual Integrations

APPROVED

MMDadoda

9/10/2019 1:30:43 PM



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

150000

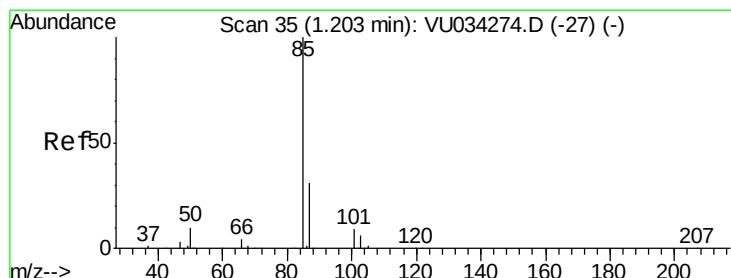
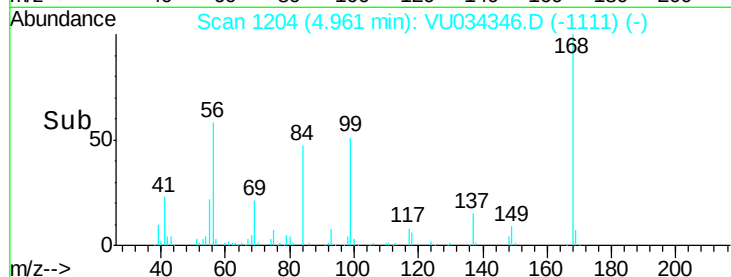
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 43.167 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034346.D

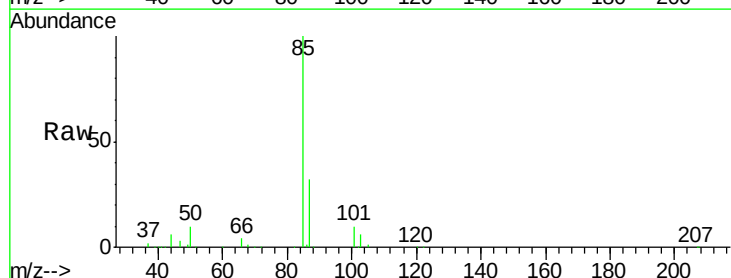
Acq: 06 Sep 2019 21:36

Tgt Ion: 85 Resp: 141352

Ion Ratio Lower Upper

85 100

87 32.1 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

150000

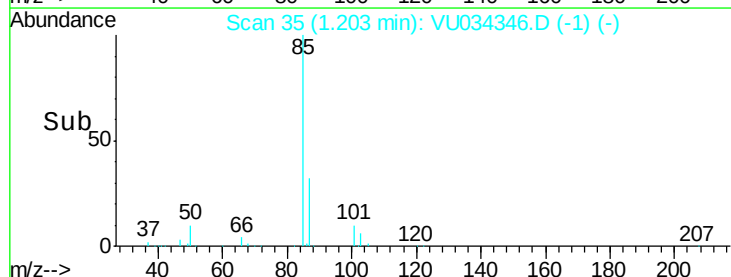
100000

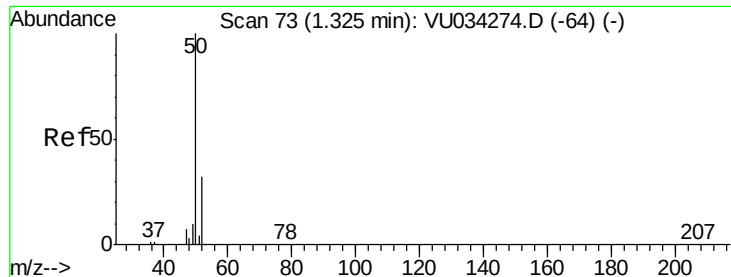
50000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 46.549 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 164701

Ion Ratio Lower Upper

50 100

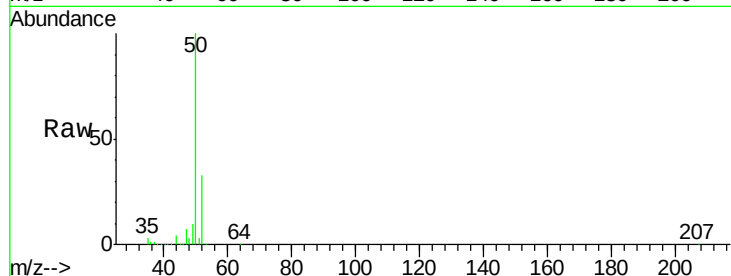
52 32.7 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

9/10/2019 1:30:43 PM



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

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

1.32

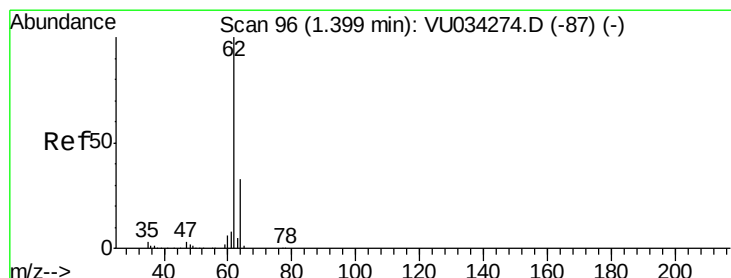
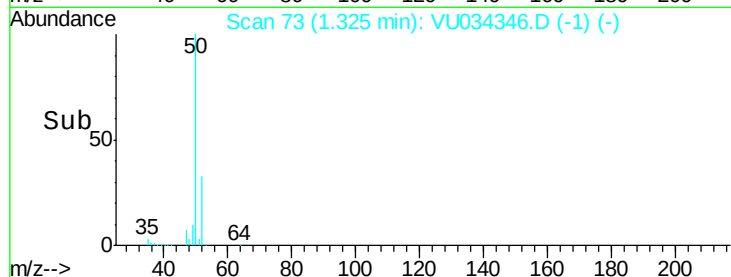
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 44.149 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034346.D

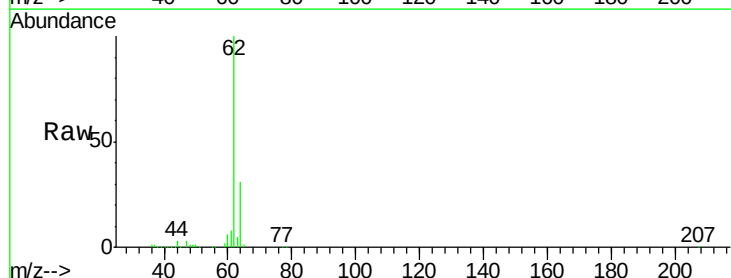
Acq: 06 Sep 2019 21:36

Tgt Ion: 62 Resp: 180148

Ion Ratio Lower Upper

62 100

64 31.5 26.2 39.4



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

Ion 63.90 (63.60 to 64.60): VU034274.D (-87) (-)

1.40

200000

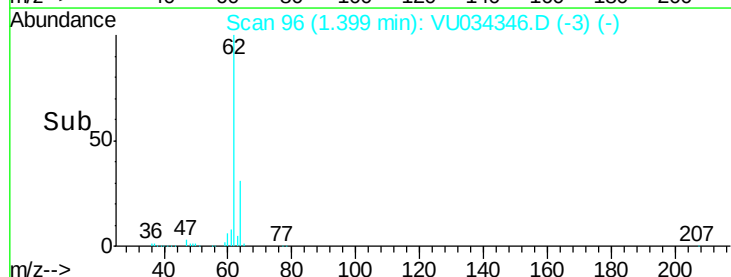
150000

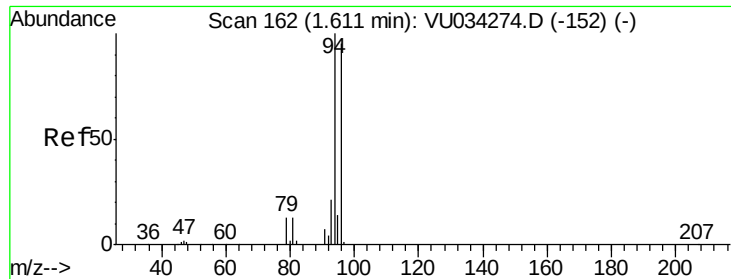
100000

50000

0

Time-->





#5

Bromomethane

Concen: 54.942 ug/l

RT: 1.61 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 112911

Ion Ratio Lower Upper

94 100

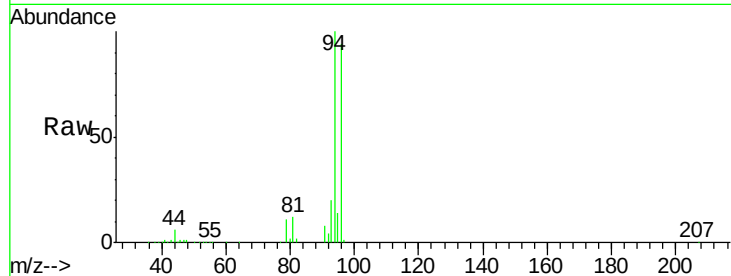
96 94.1 75.7 113.5

Manual Integrations

APPROVED

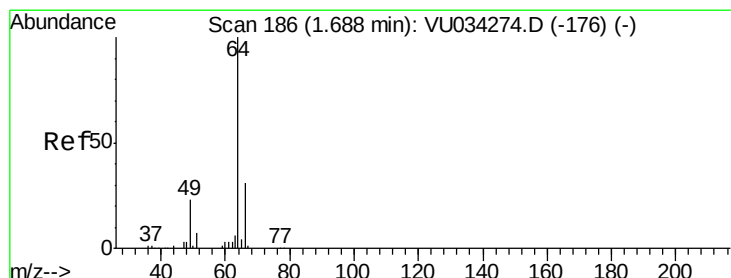
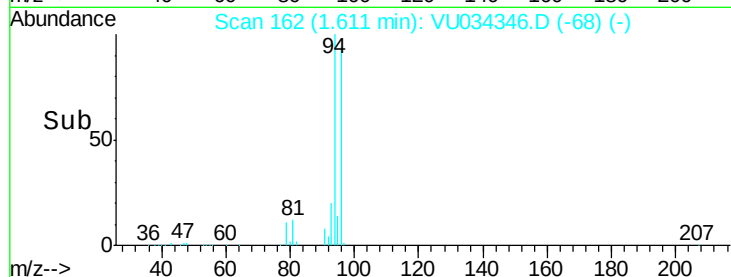
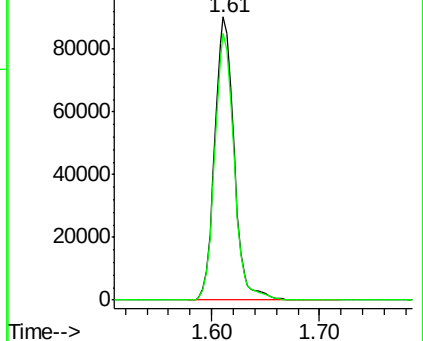
MMDadoda

9/10/2019 1:30:43 PM



Abundance Ion 93.90 (93.60 to 94.60): VU034346.D (-68) (-)

Ion 95.90 (95.60 to 96.60): VU034346.D (-68) (-)



#6

Chloroethane

Concen: 48.355 ug/l

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU034346.D

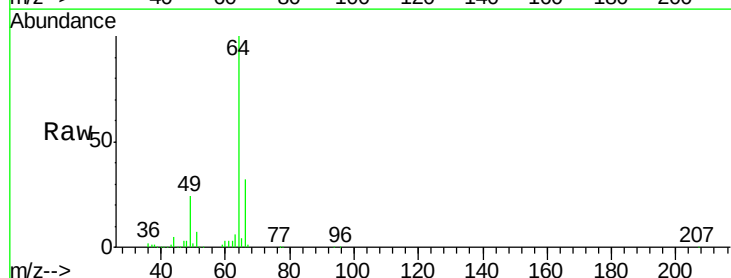
Acq: 06 Sep 2019 21:36

Tgt Ion: 64 Resp: 114761

Ion Ratio Lower Upper

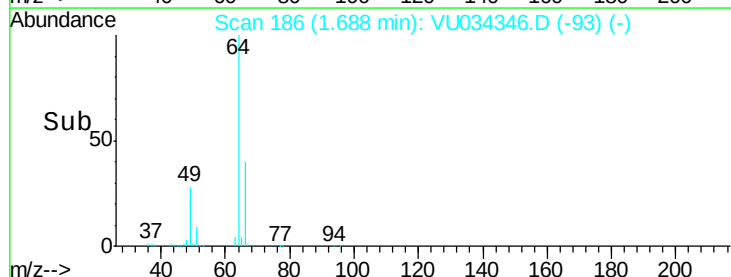
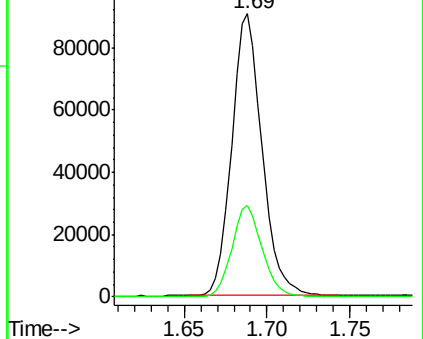
64 100

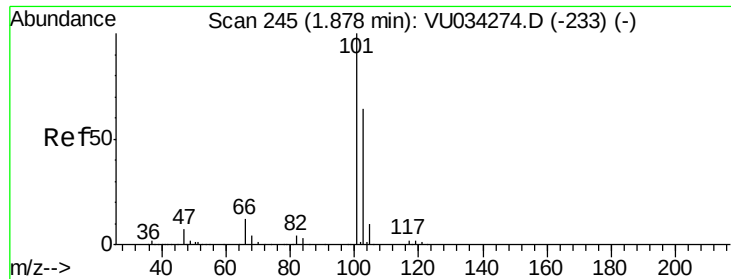
66 32.4 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU034346.D (-93) (-)

Ion 65.90 (65.60 to 66.60): VU034346.D (-93) (-)





#7

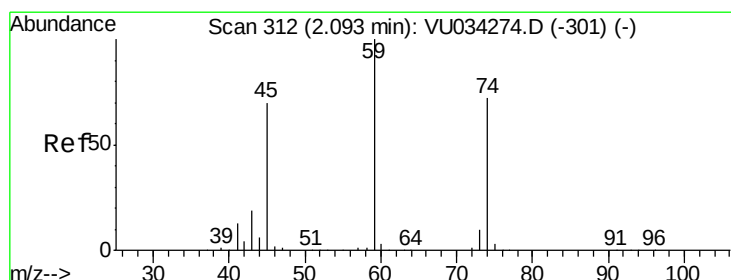
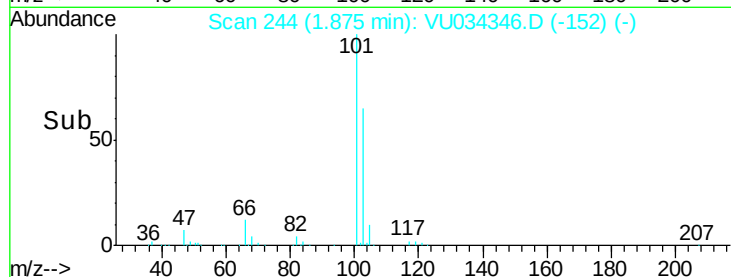
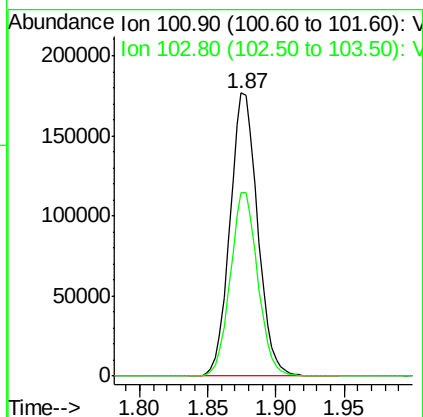
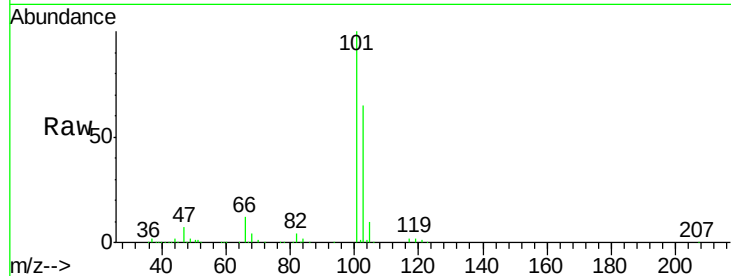
Trichlorofluoromethane
Concen: 45.508 ug/l
RT: 1.87 min Scan# 244
Delta R.T. -0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.0	76.6

Manual Integrations
APPROVED

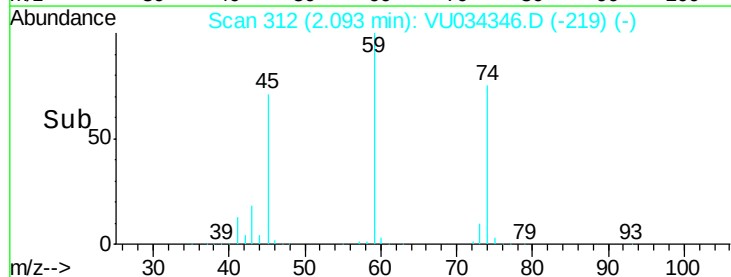
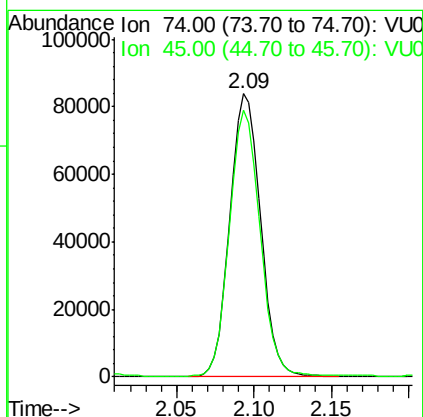
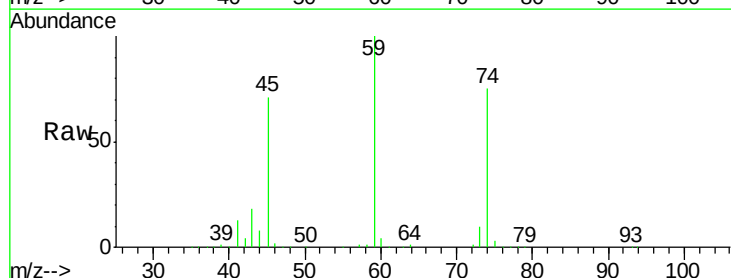
MMDadoda
9/10/2019 1:30:43 PM

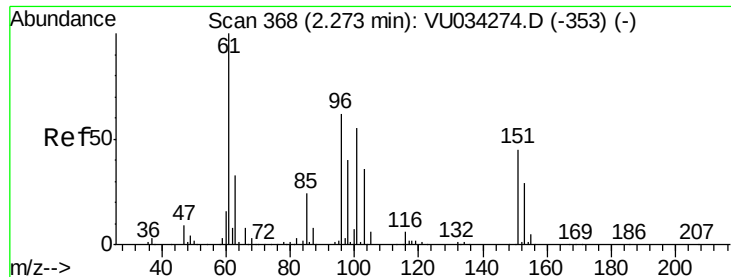


#8

Diethyl Ether
Concen: 47.986 ug/l
RT: 2.09 min Scan# 312
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.2	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.660 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

Instrument :

MSVOA_U

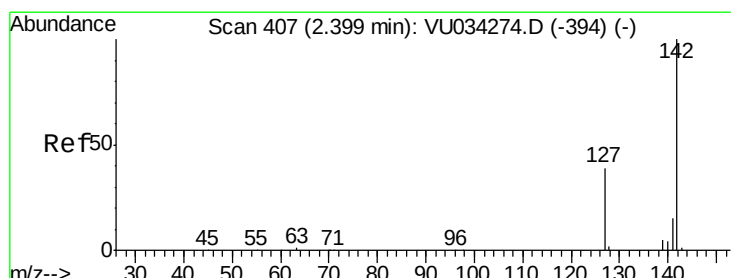
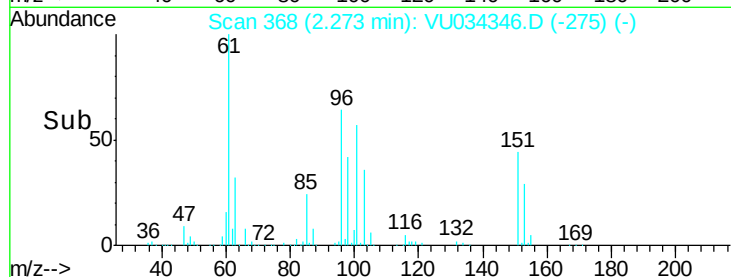
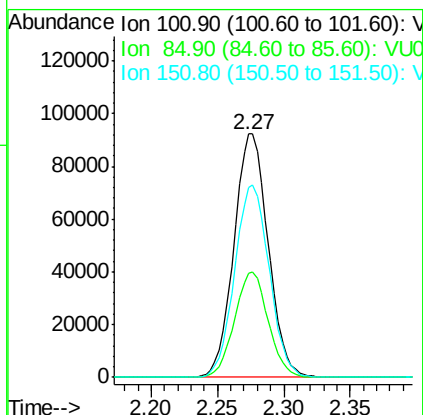
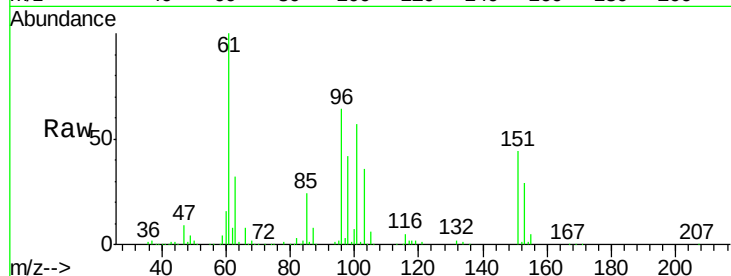
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	165461
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.4	51.6
151	79.9	64.4	96.6

Manual Integrations
APPROVED

MMDadoda
9/10/2019 1:30:43 PM



#10

Methyl Iodide

Concen: 48.084 ug/l

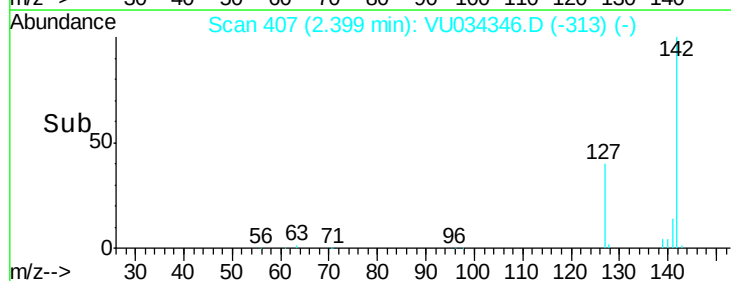
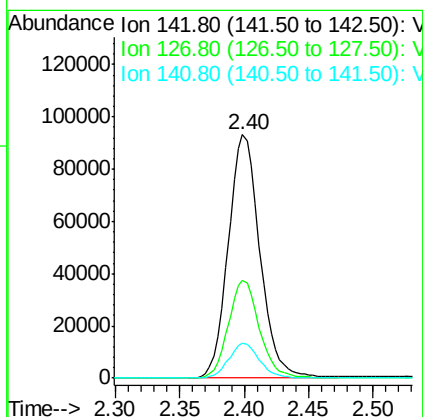
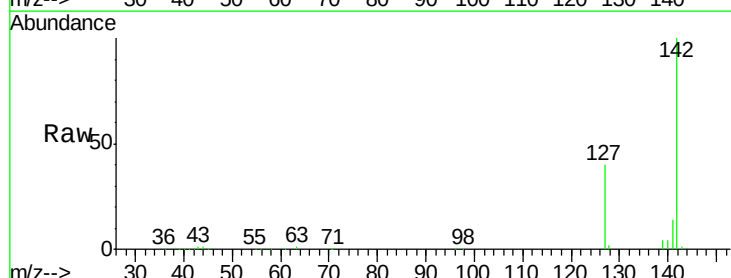
RT: 2.40 min Scan# 407

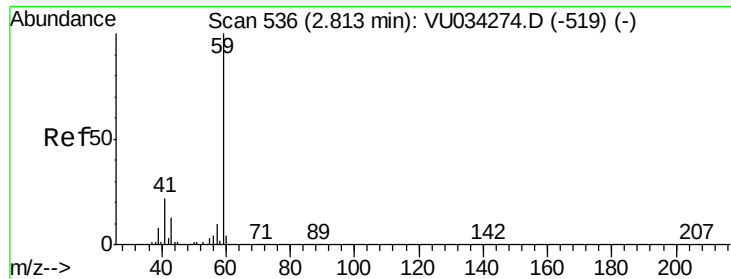
Delta R.T. 0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

Tgt Ion:	142	Resp:	158885
Ion Ratio	Lower	Upper	
142	100		
127	39.4	32.1	48.1
141	14.0	11.5	17.3





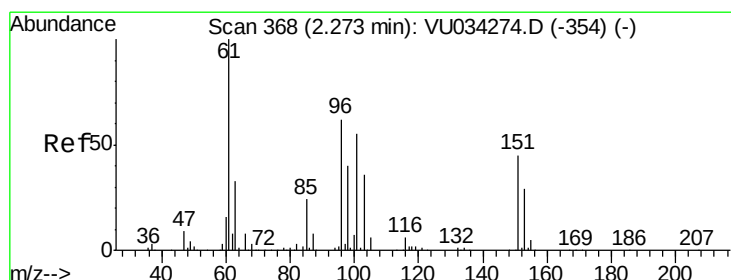
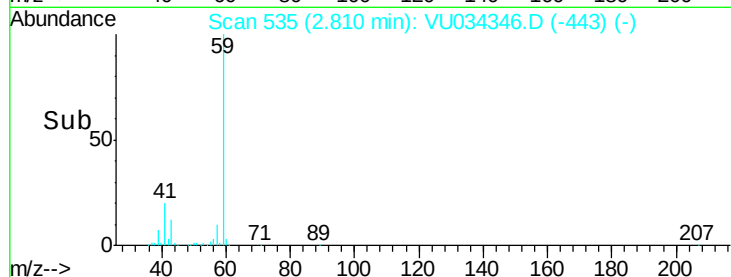
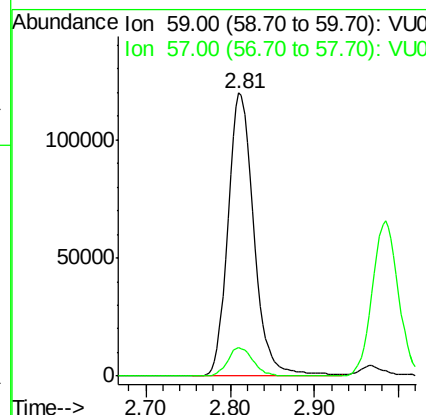
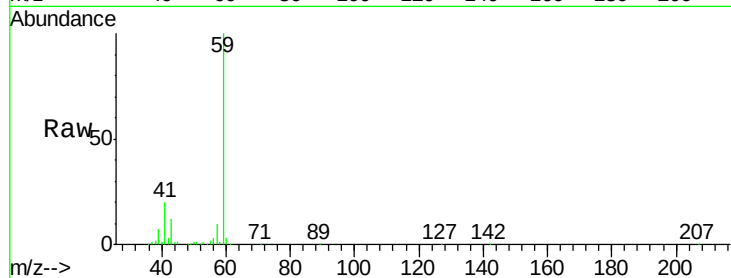
#11
Tert butyl alcohol
Concen: 256.410 ug/l
RT: 2.81 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	256618		
57	9.9		7.9	11.9

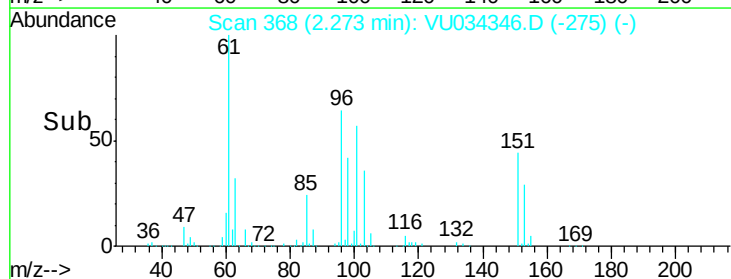
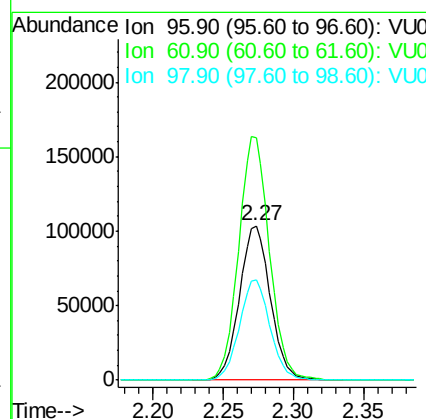
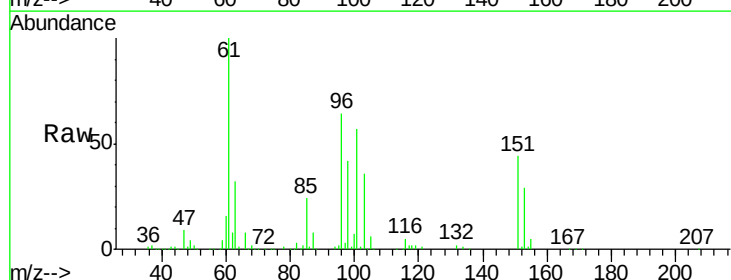
Manual Integrations
APPROVED

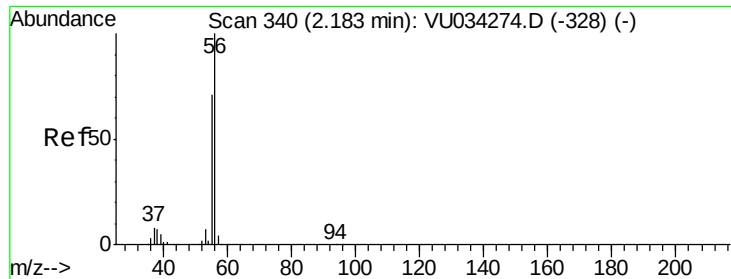
MMDadoda
9/10/2019 1:30:43 PM



#12
1,1-Dichloroethene
Concen: 46.822 ug/l
RT: 2.27 min Scan# 368
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	159501		
61	156.6		130.0	195.0
98	65.1		52.2	78.4





#13

Acrolein

Concen: 154.463 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 129930

Ion Ratio Lower Upper

56 100

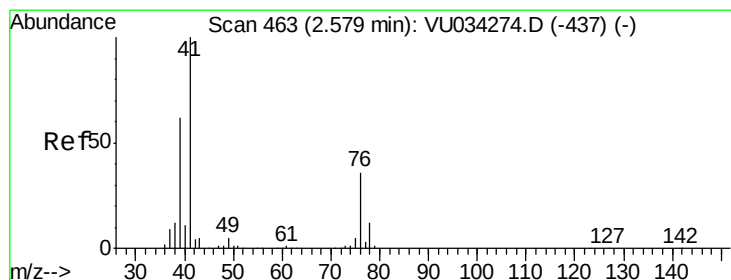
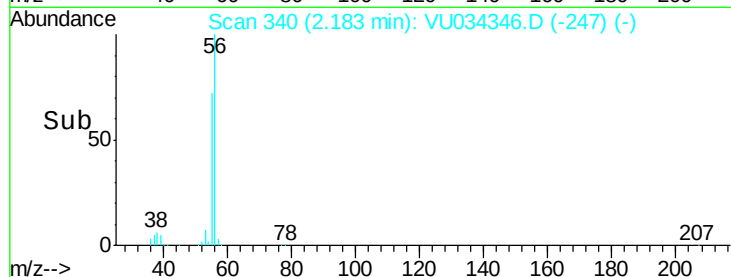
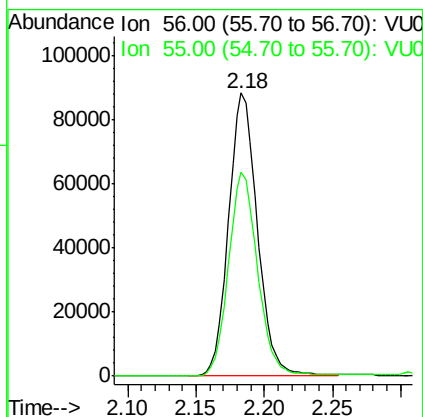
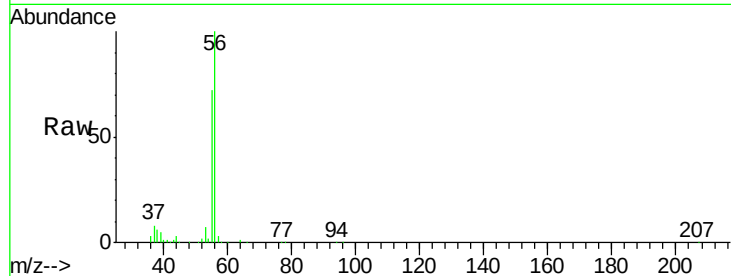
55 72.3 57.4 86.2

Manual Integrations

APPROVED

MMDadoda

9/10/2019 1:30:43 PM



#14

Allyl chloride

Concen: 45.380 ug/l m

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

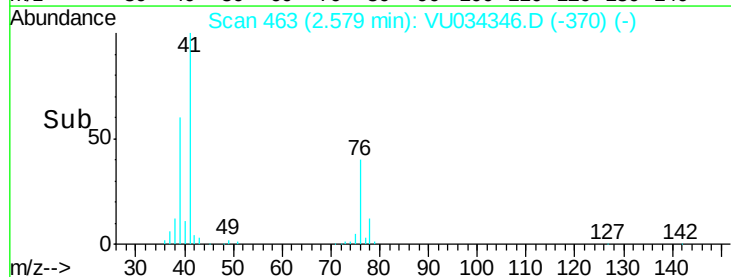
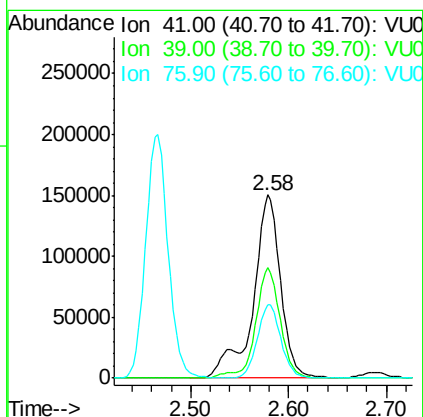
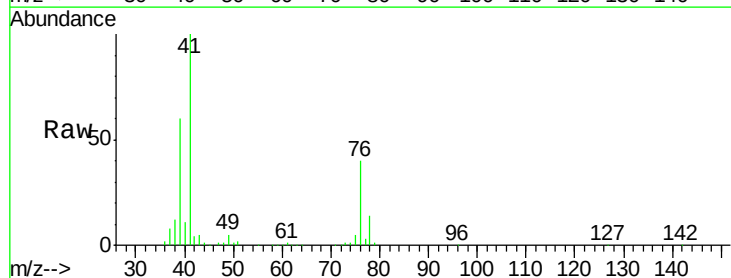
Tgt Ion: 41 Resp: 295544

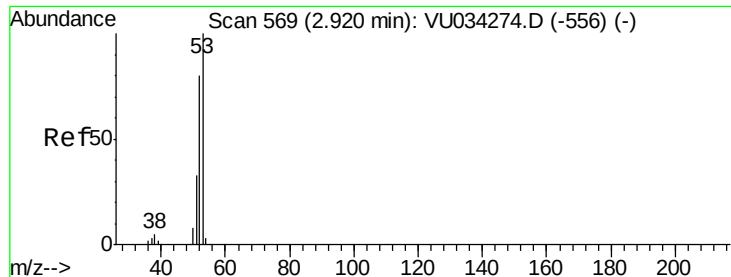
Ion Ratio Lower Upper

41 100

39 53.8 43.5 65.3

76 34.1 27.0 40.6





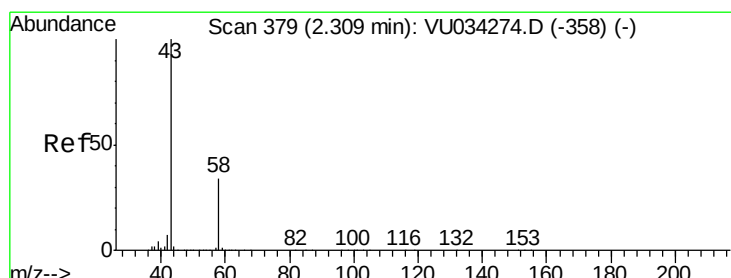
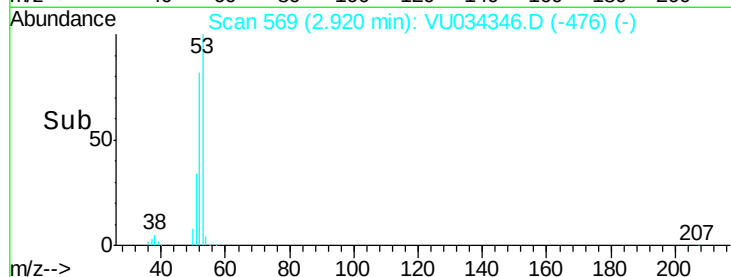
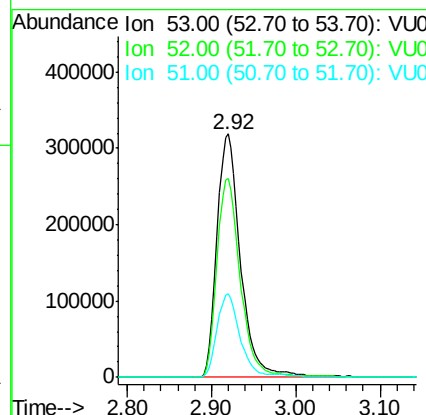
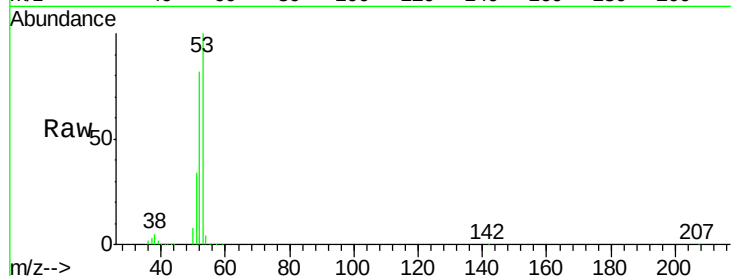
#15
 Acrylonitrile
 Concen: 248.794 ug/l
 RT: 2.92 min Scan# 569
 Delta R.T. 0.00 min
 Lab File: VU034346.D
 Acq: 06 Sep 2019 21:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:	53	Resp:	620058
Ion	Ratio	Lower	Upper
53	100		
52	80.6	64.1	96.1
51	34.3	27.4	41.0

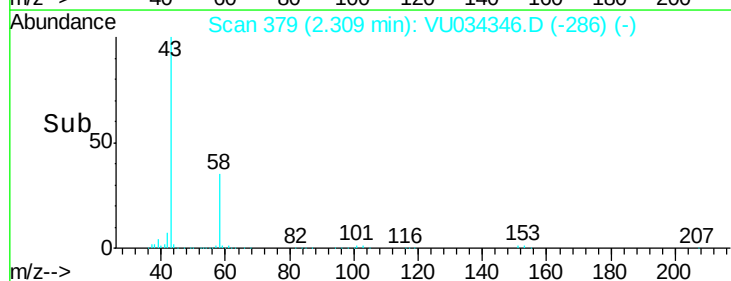
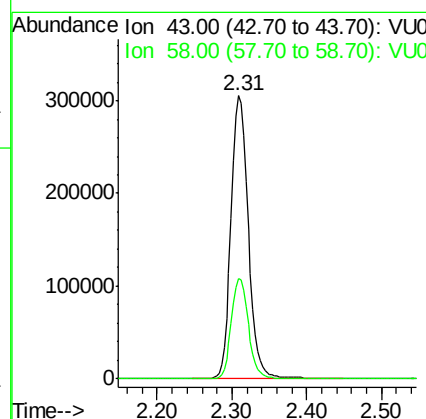
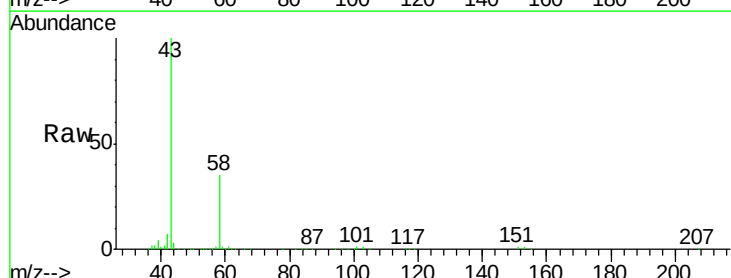
Manual Integrations
 APPROVED

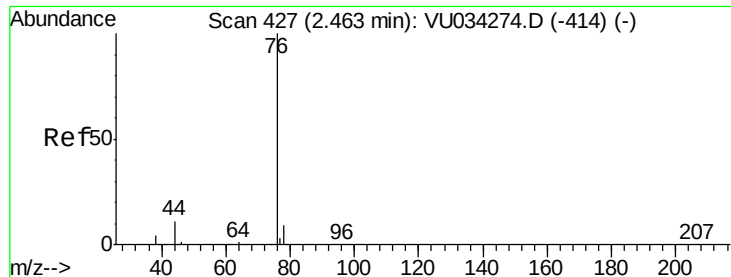
MMDadoda
 9/10/2019 1:30:43 PM



#16
 Acetone
 Concen: 197.943 ug/l
 RT: 2.31 min Scan# 379
 Delta R.T. 0.00 min
 Lab File: VU034346.D
 Acq: 06 Sep 2019 21:36

Tgt Ion:	43	Resp:	485258
Ion	Ratio	Lower	Upper
43	100		
58	35.3	27.6	41.4





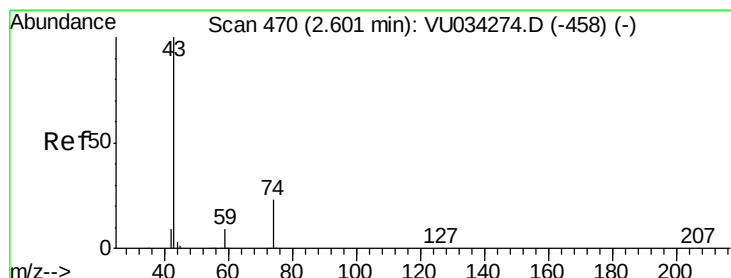
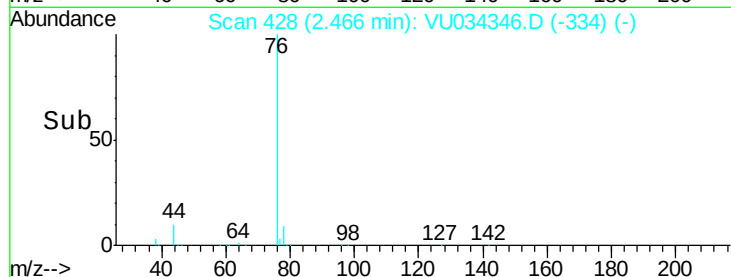
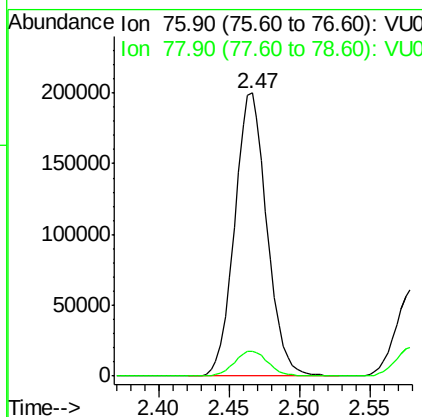
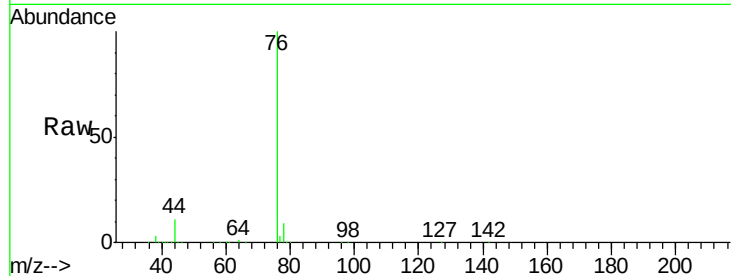
#17
Carbon Disulfide
Concen: 41.813 ug/l
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

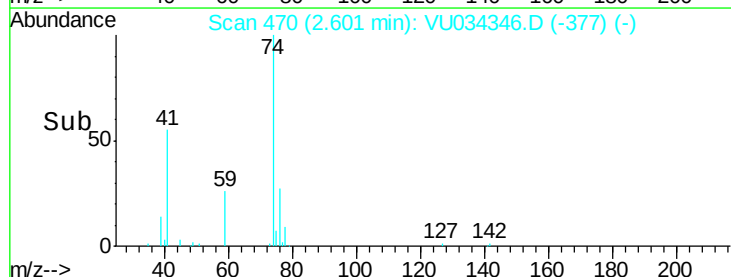
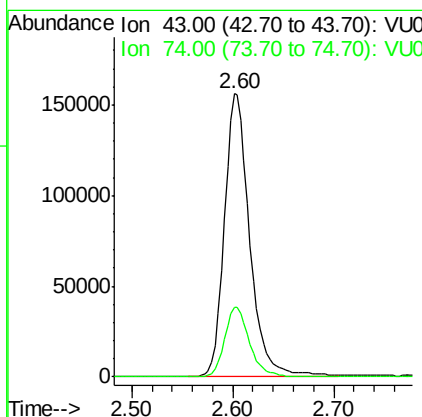
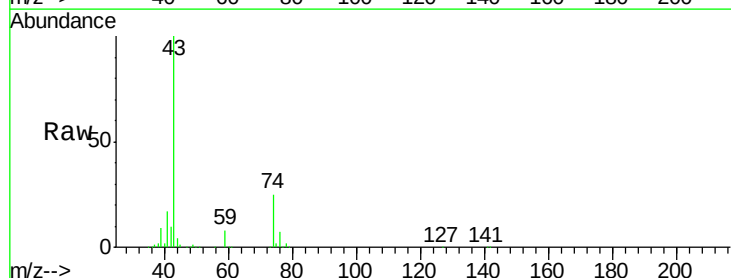
Manual Integrations
APPROVED

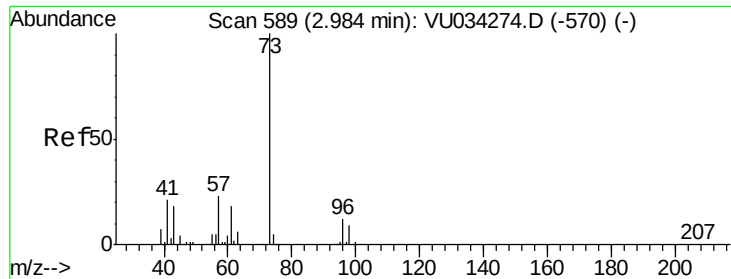
MMDadoda
9/10/2019 1:30:43 PM



#18
Methyl Acetate
Concen: 45.666 ug/l
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	18.9	28.3





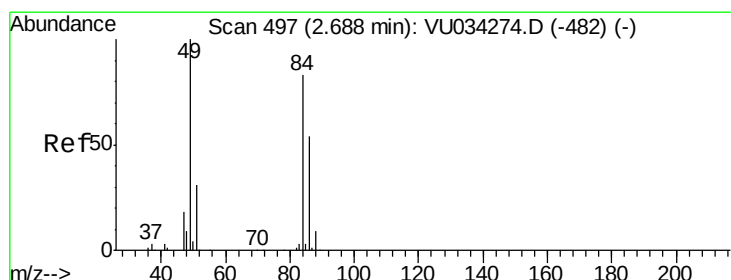
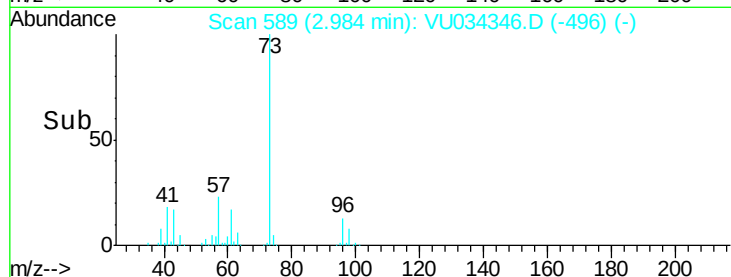
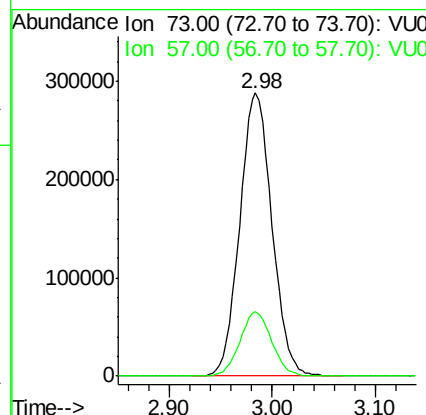
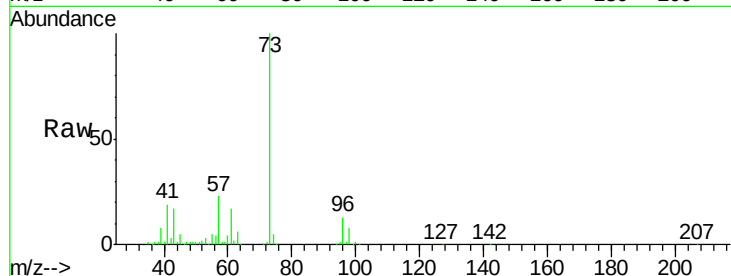
#19
Methyl tert-butyl Ether
Concen: 50.343 ug/l
RT: 2.98 min Scan# 589
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 625090
Ion Ratio Lower Upper
73 100
57 22.8 18.2 27.4

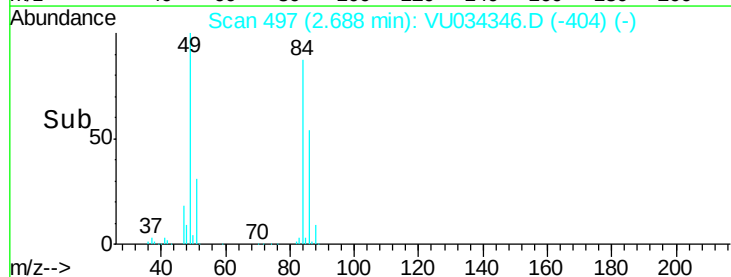
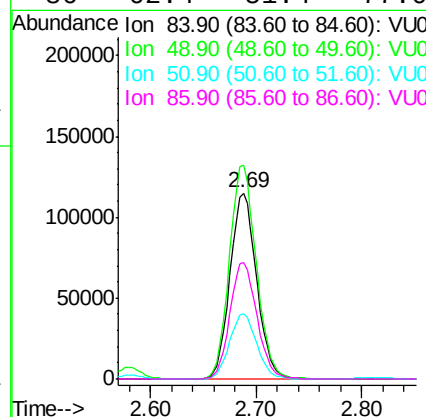
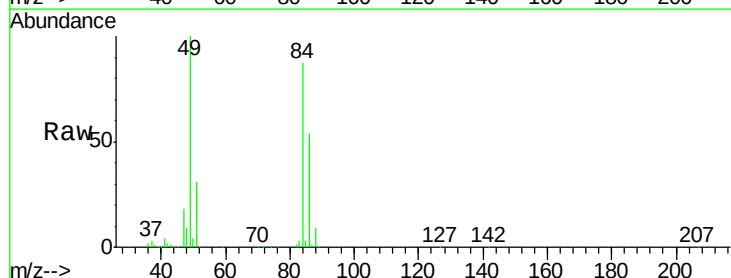
Manual Integrations
APPROVED

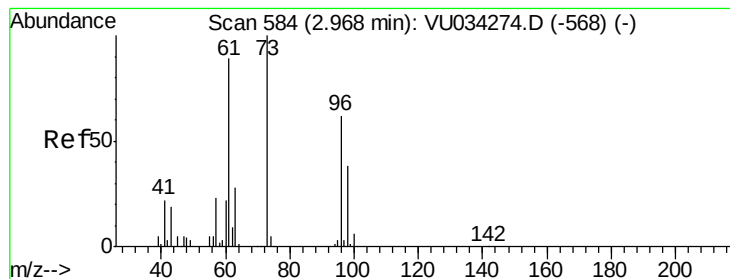
MMDadoda
9/10/2019 1:30:43 PM



#20
Methylene Chloride
Concen: 49.992 ug/l
RT: 2.69 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Tgt Ion: 84 Resp: 200736
Ion Ratio Lower Upper
84 100
49 114.9 96.0 144.0
51 35.3 30.0 45.0
86 62.4 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 46.435 ug/l

RT: 2.97 min Scan# 584

Delta R.T. 0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

Instrument :

MSVOA_U

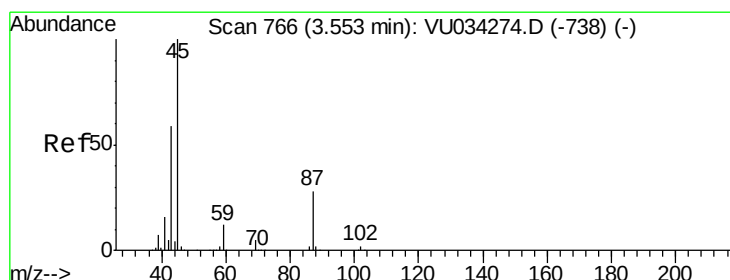
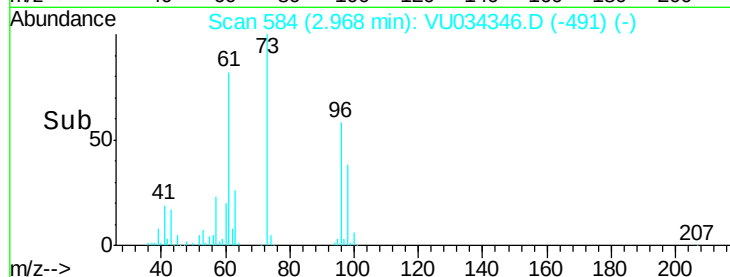
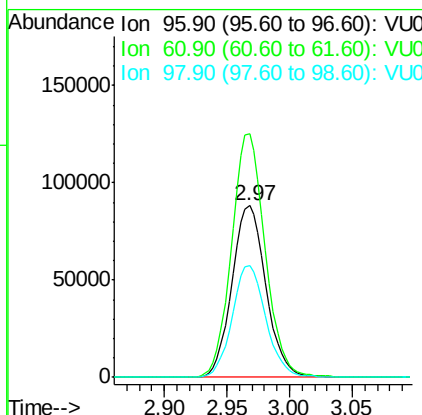
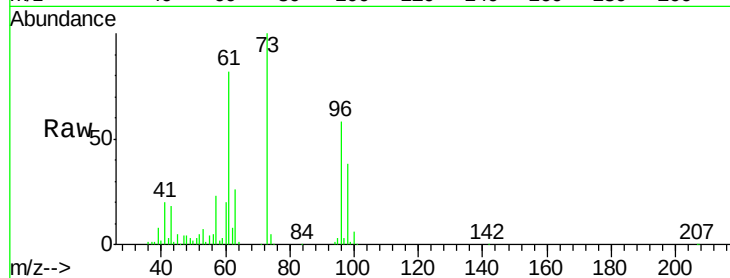
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	166694
Ion	Ratio	Lower	Upper
96	100		
61	142.1	114.8	172.2
98	65.4	49.8	74.8

Manual Integrations
APPROVED

MMDadoda
9/10/2019 1:30:43 PM



#22

Diisopropyl ether

Concen: 49.220 ug/l

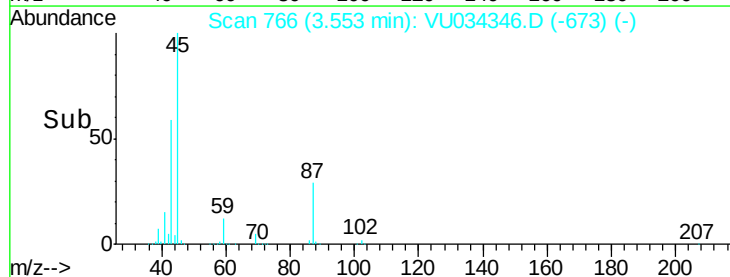
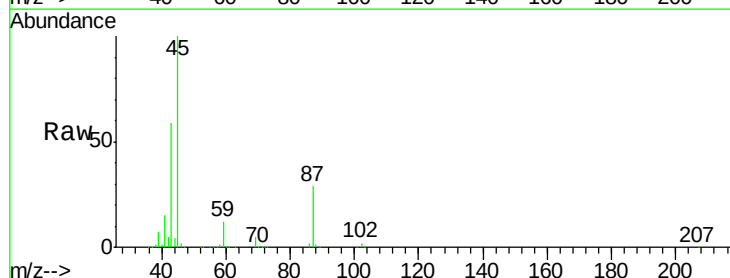
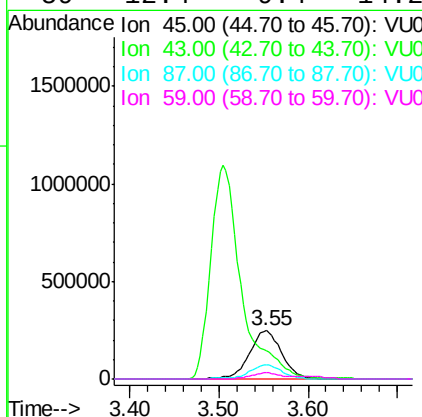
RT: 3.55 min Scan# 766

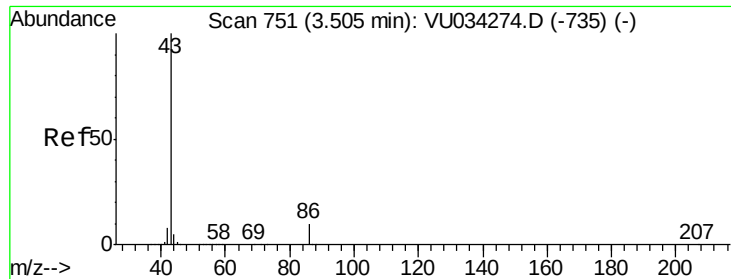
Delta R.T. 0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

Tgt Ion:	45	Resp:	625126
Ion	Ratio	Lower	Upper
45	100		
43	58.2	47.5	71.3
87	28.9	22.2	33.4
59	12.4	9.4	14.2





#23

Vinyl Acetate

Concen: 252.908 ug/l

RT: 3.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2616426

Ion Ratio Lower Upper

43 100

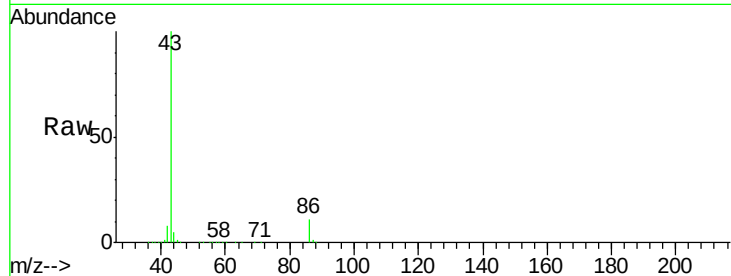
86 10.9 8.3 12.5

Manual Integrations

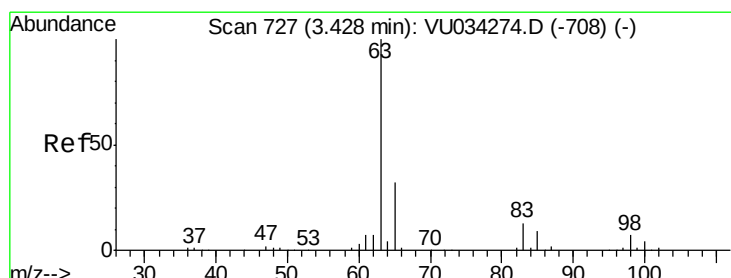
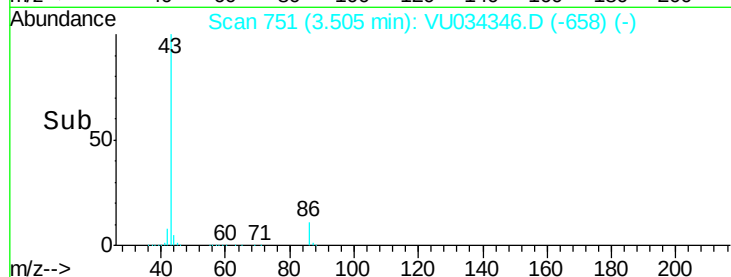
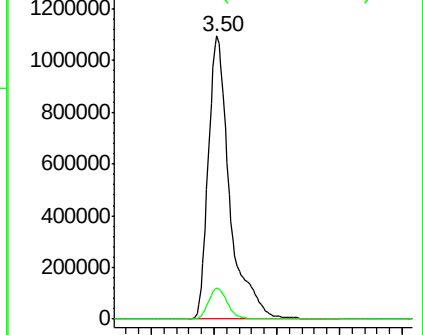
APPROVED

MMDadoda

9/10/2019 1:30:43 PM



Abundance Ion 43.00 (42.70 to 43.70): VU034346.D (-658) (-)



#24

1,1-Dichloroethane

Concen: 46.545 ug/l

RT: 3.43 min Scan# 727

Delta R.T. 0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

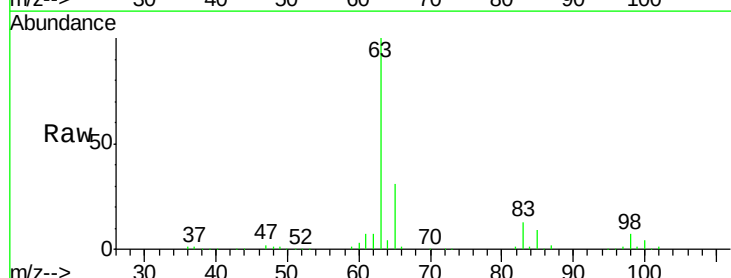
Tgt Ion: 63 Resp: 353030

Ion Ratio Lower Upper

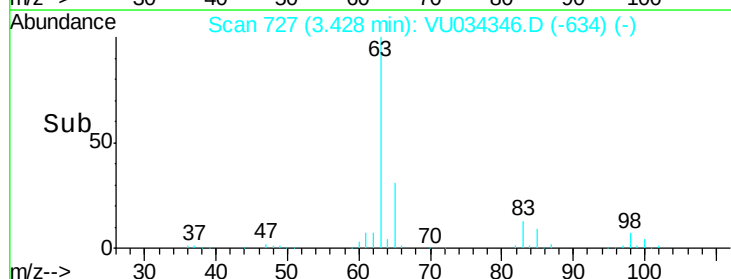
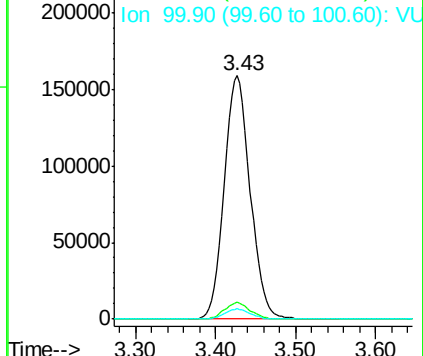
63 100

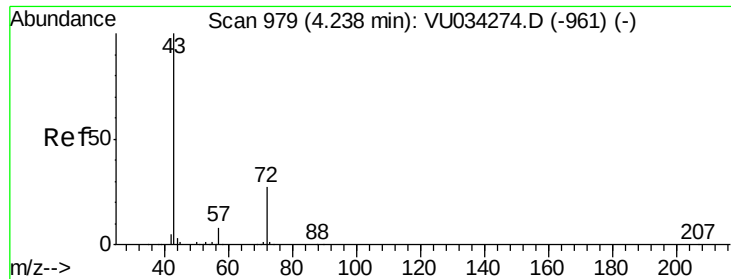
98 6.8 3.5 10.4

100 4.1 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VU034346.D (-634) (-)





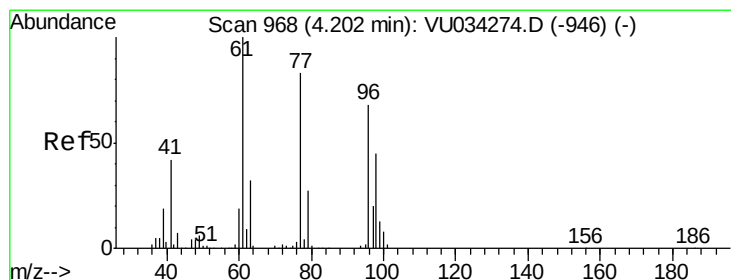
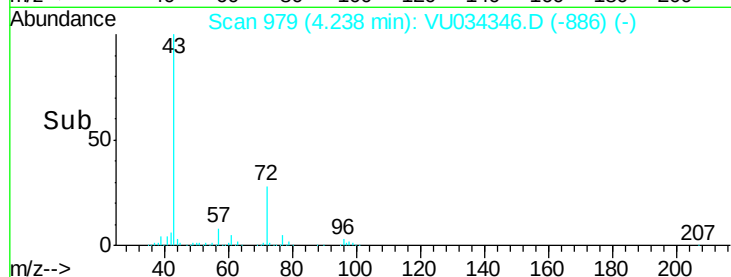
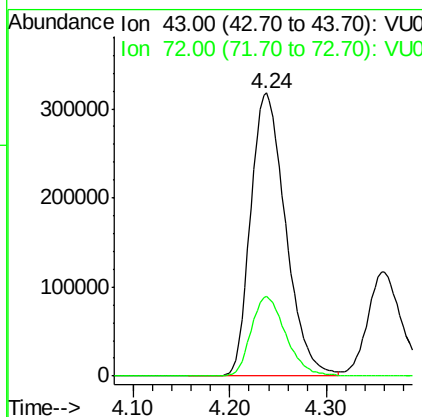
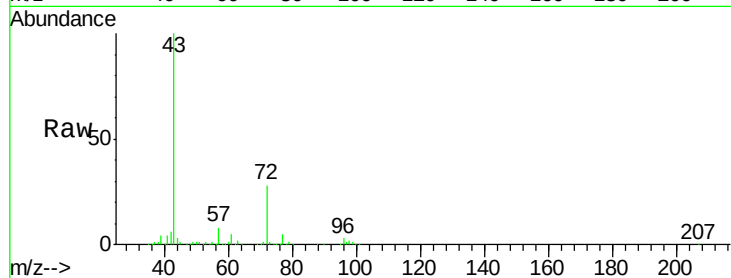
#25
2-Butanone
Concen: 242.450 ug/l
RT: 4.24 min Scan# 979
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	793405
Ion Ratio	100	Lower	Upper
72	28.3	21.8	32.6

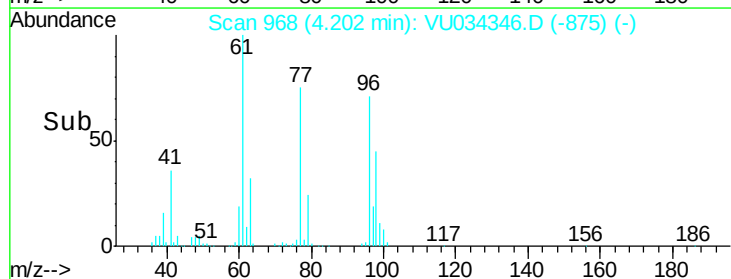
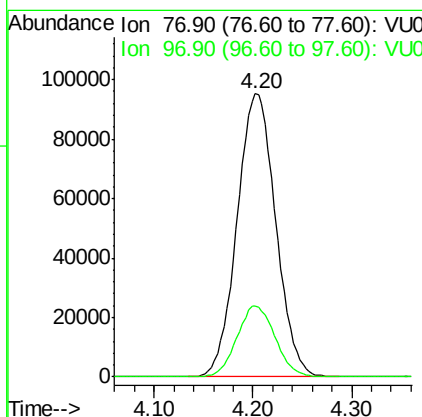
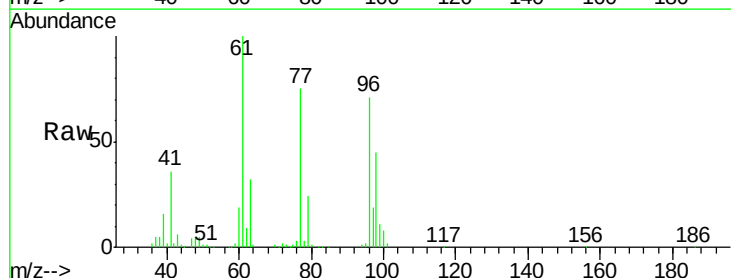
Manual Integrations
APPROVED

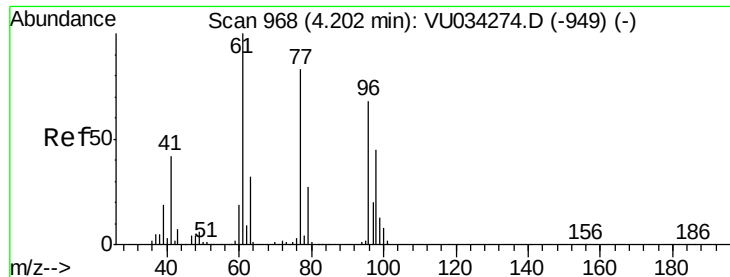
MMDadoda
9/10/2019 1:30:43 PM



#26
2,2-Dichloropropane
Concen: 42.402 ug/l
RT: 4.20 min Scan# 968
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Tgt Ion	77	Resp	258660
Ion Ratio	100	Lower	Upper
97	24.7	11.8	35.3





#27

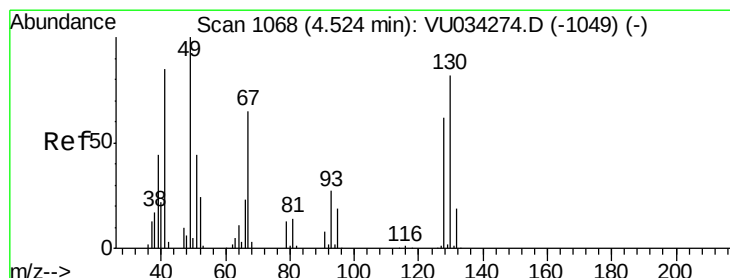
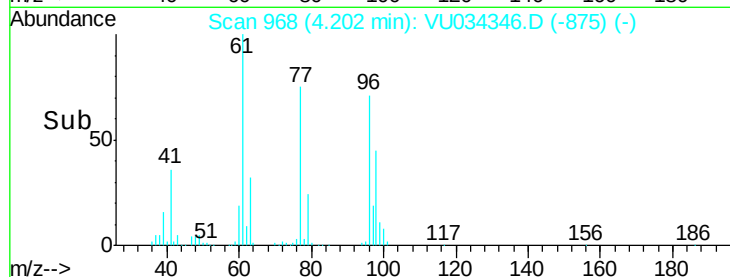
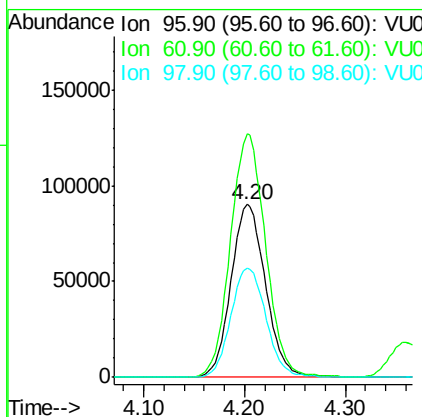
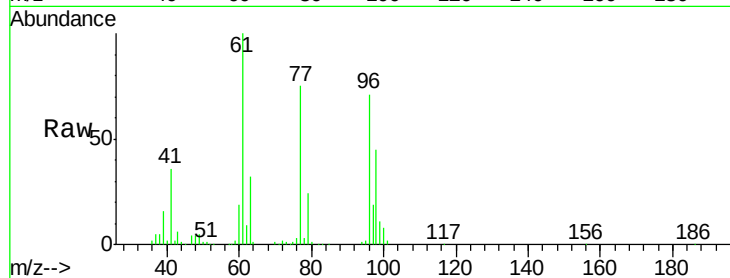
cis-1,2-Dichloroethene
Concen: 49.216 ug/l
RT: 4.20 min Scan# 968
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	143.6	0.0	297.4	
98	64.6	0.0	130.0	

Manual Integrations
APPROVED

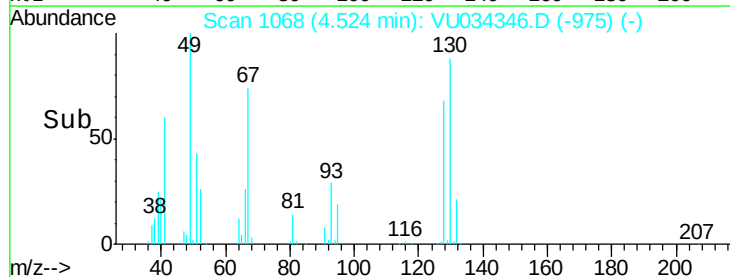
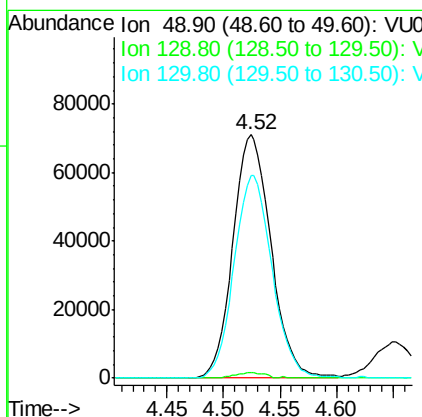
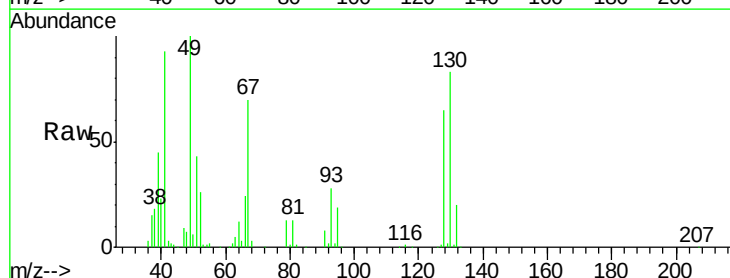
MMDadoda
9/10/2019 1:30:43 PM

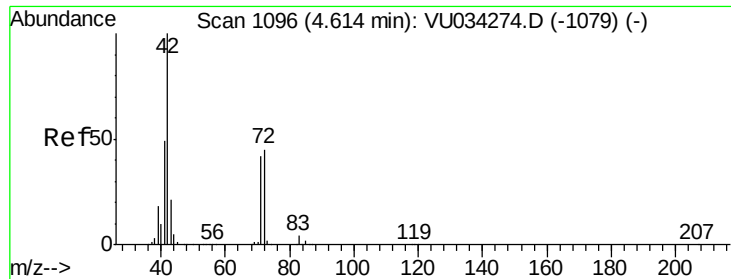


#28

Bromochloromethane
Concen: 47.643 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.7	0.0	3.8	
130	83.2	65.2	97.8	





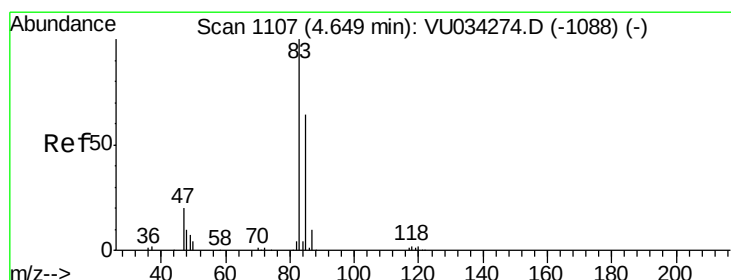
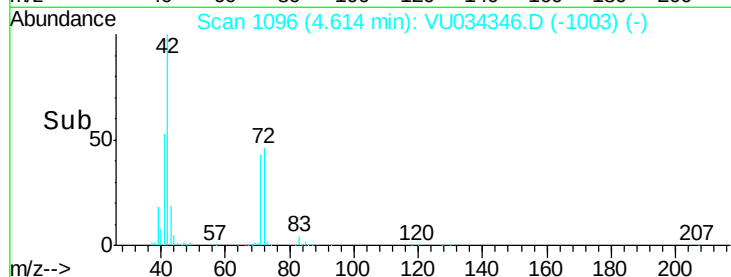
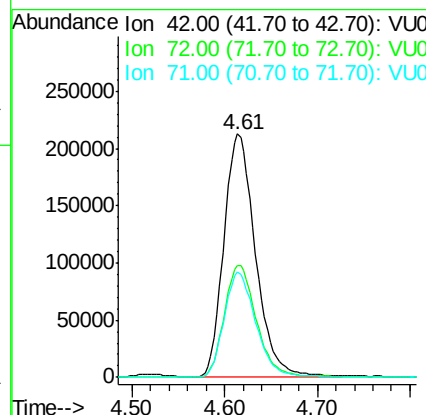
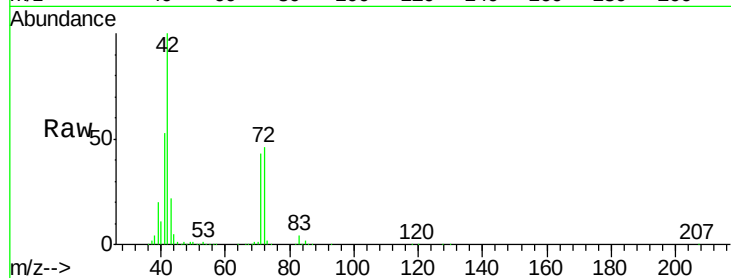
#29
Tetrahydrofuran
Concen: 251.586 ug/l
RT: 4.61 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.0	36.6	54.8
71	43.6	34.3	51.5

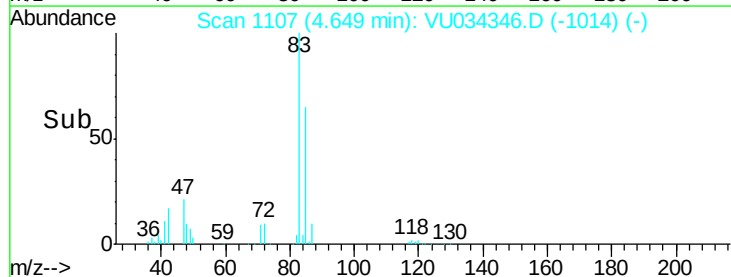
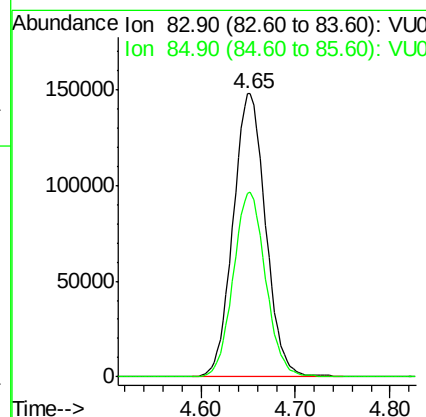
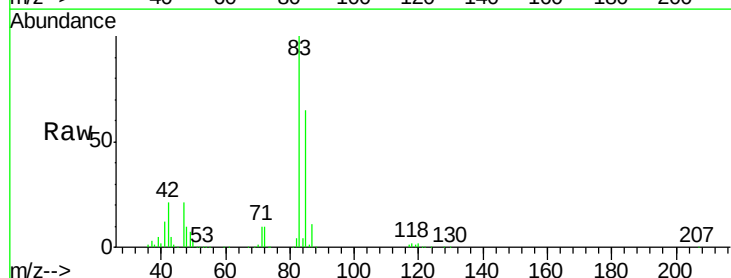
Manual Integrations
APPROVED

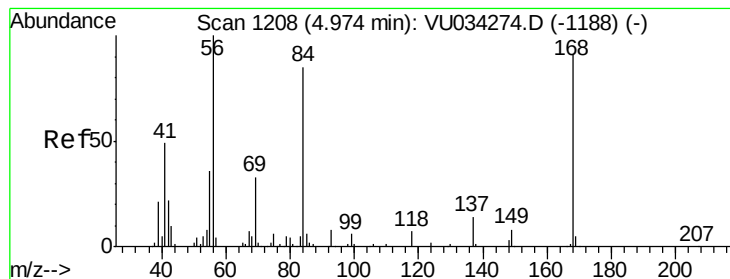
MMDadoda
9/10/2019 1:30:43 PM



#30
Chloroform
Concen: 45.728 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.5	77.3





#31

Cyclohexane

Concen: 45.831 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

Instrument :

MSVOA_U

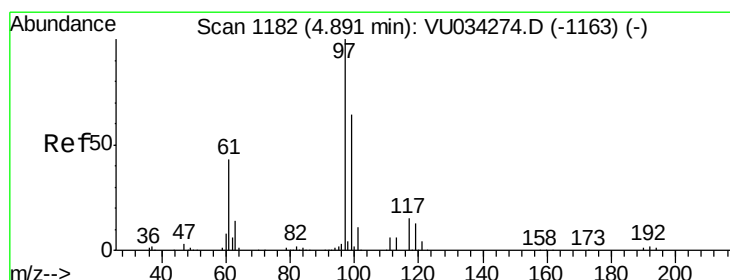
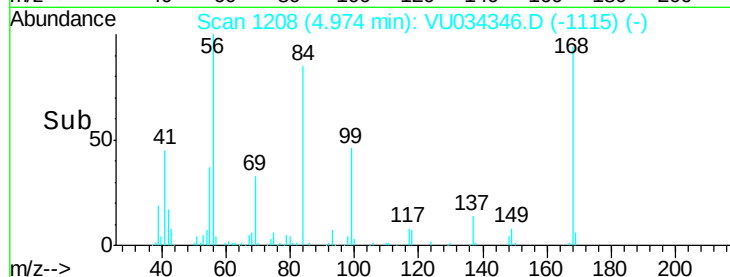
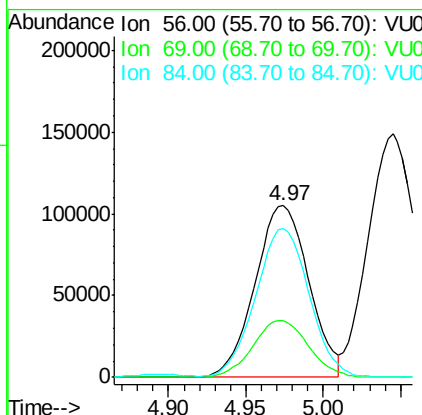
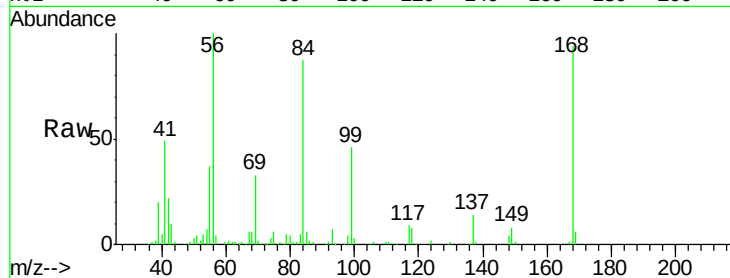
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	254310
Ion Ratio	Lower	Upper	
56	100		
69	32.8	26.7	40.1
84	86.3	68.2	102.4

Manual Integrations
APPROVED

MMDadoda
9/10/2019 1:30:43 PM



#32

1,1,1-Trichloroethane

Concen: 47.130 ug/l

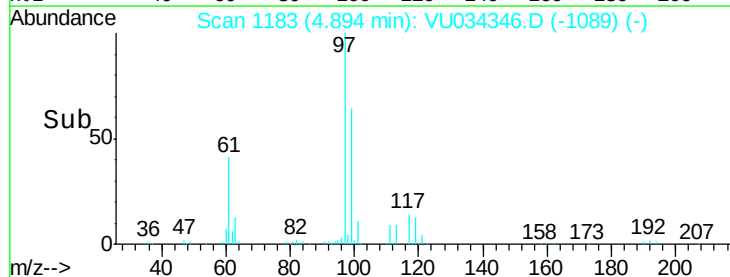
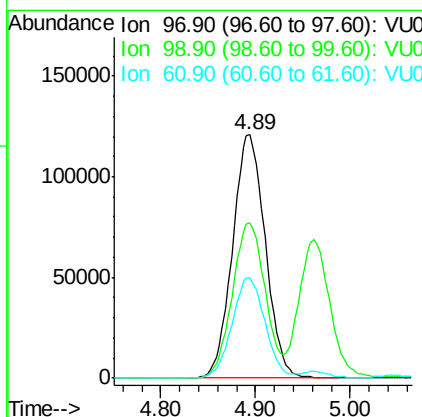
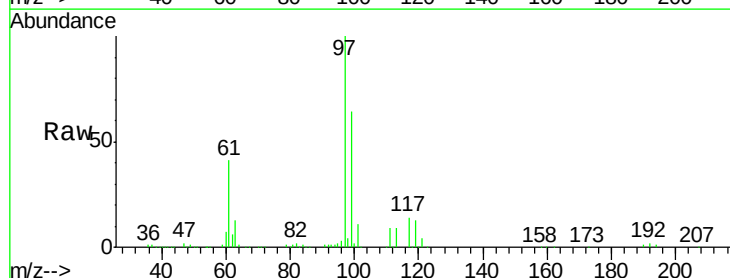
RT: 4.89 min Scan# 1183

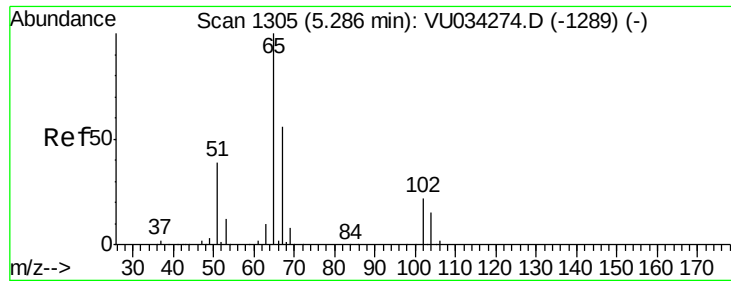
Delta R.T. 0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

Tgt Ion:	97	Resp:	290505
Ion Ratio	Lower	Upper	
97	100		
99	64.1	50.9	76.3
61	41.7	34.7	52.1





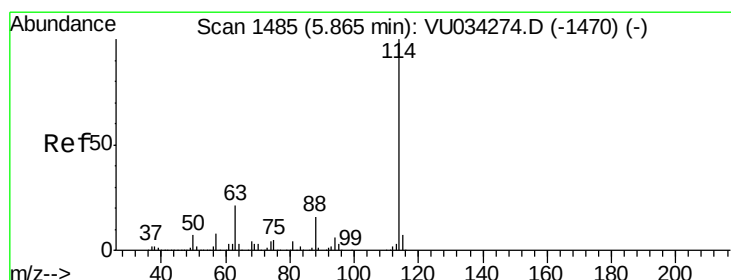
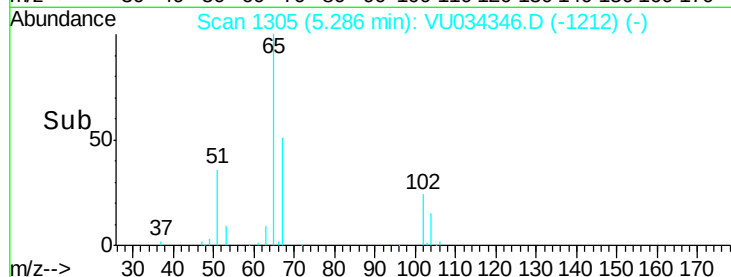
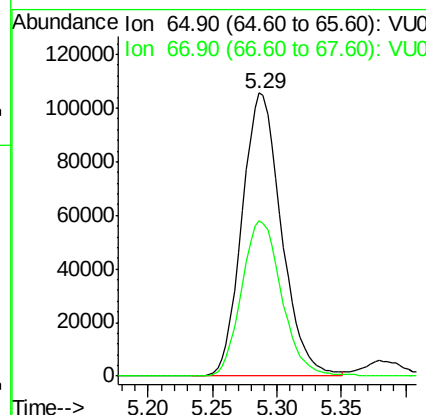
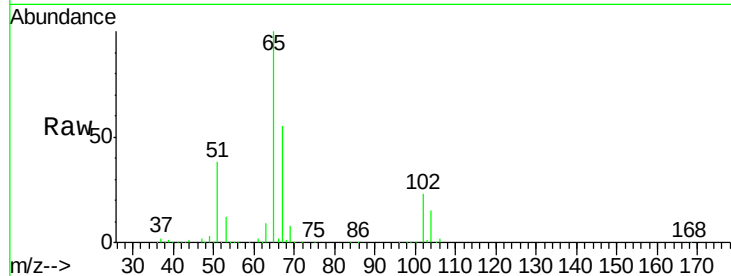
#33
 1,2-Dichloroethane-d4
 Concen: 47.412 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU034346.D
 Acq: 06 Sep 2019 21:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	224606		
67	55.9	0.0	112.4	

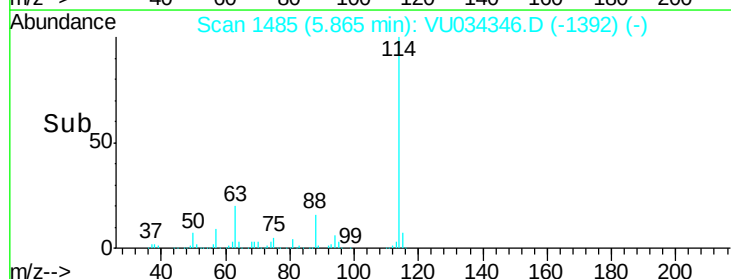
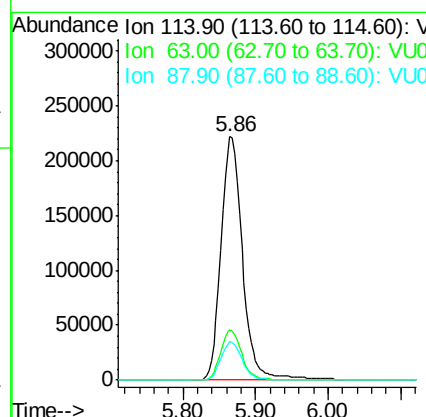
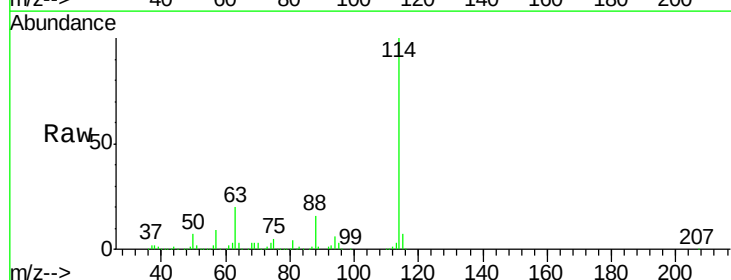
Manual Integrations
 APPROVED

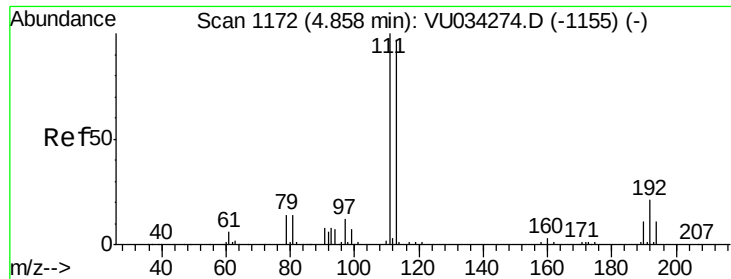
MMDadoda
 9/10/2019 1:30:43 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU034346.D
 Acq: 06 Sep 2019 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	458116		
63	20.5	0.0	42.4	
88	15.7	0.0	32.4	





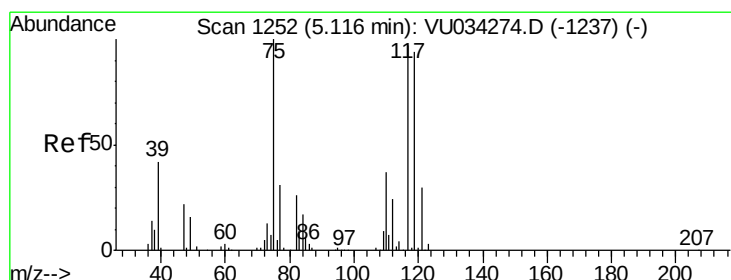
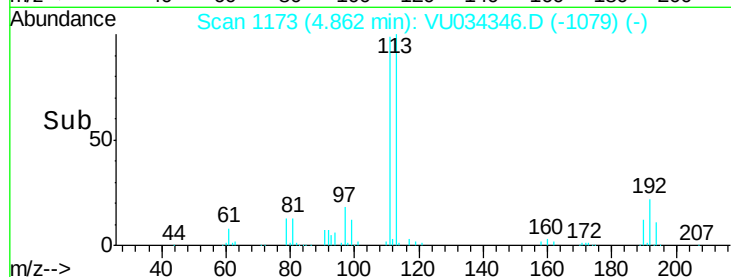
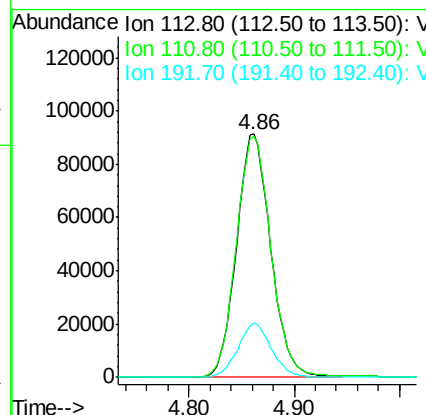
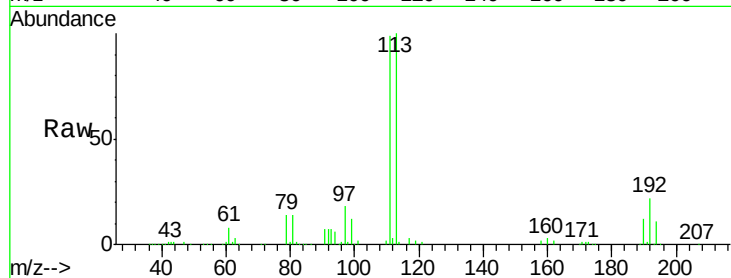
#35
 Dibromofluoromethane
 Concen: 48.263 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034346.D
 Acq: 06 Sep 2019 21:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	205733		
111	100.7	81.5	122.3	
192	21.9	17.8	26.8	

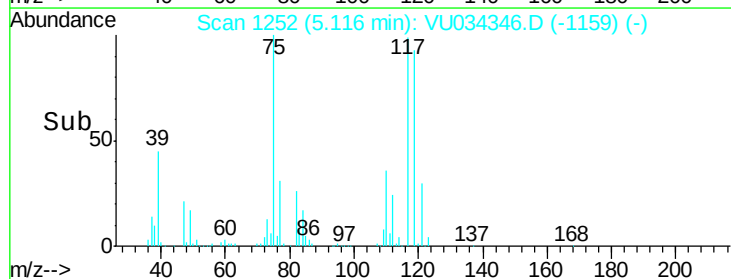
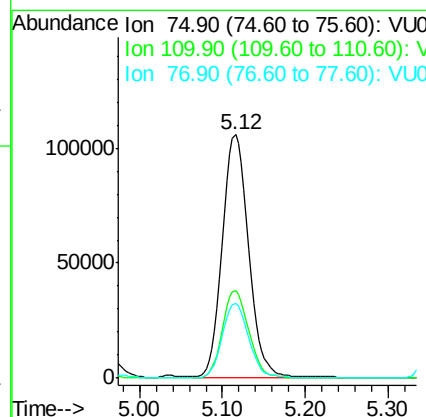
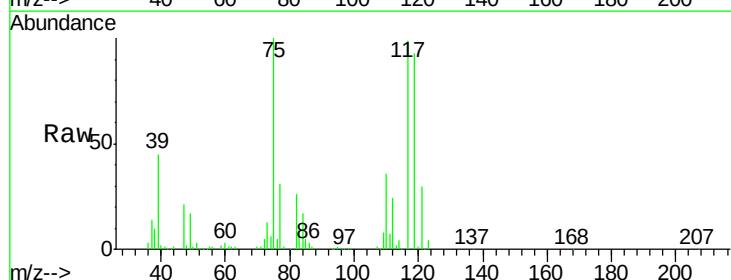
Manual Integrations
 APPROVED

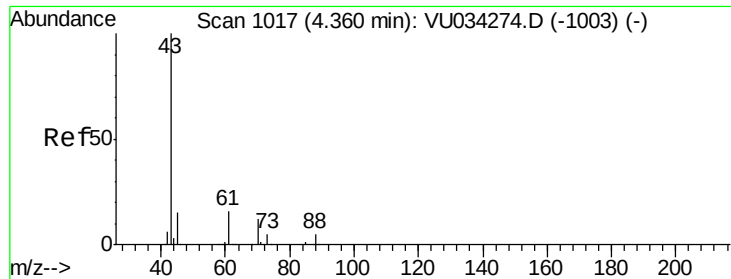
MMDadoda
 9/10/2019 1:30:43 PM



#36
 1,1-Dichloropropene
 Concen: 46.707 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VU034346.D
 Acq: 06 Sep 2019 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	232056		
110	36.4	18.3	54.9	
77	30.7	24.9	37.3	





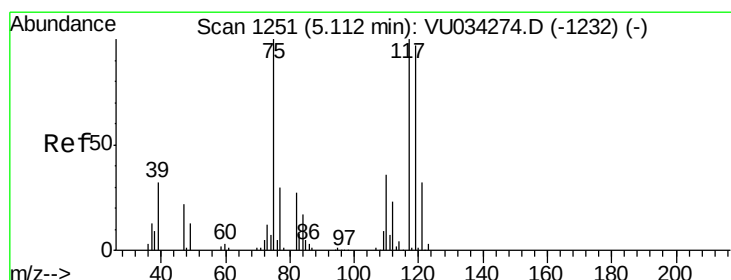
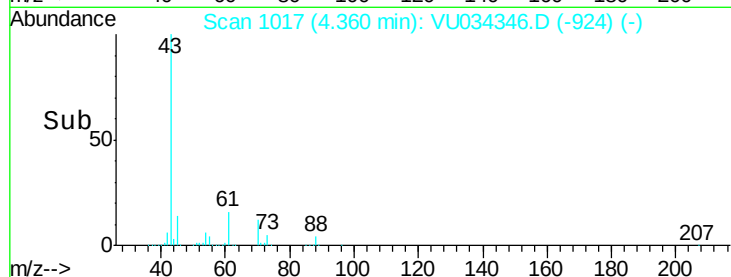
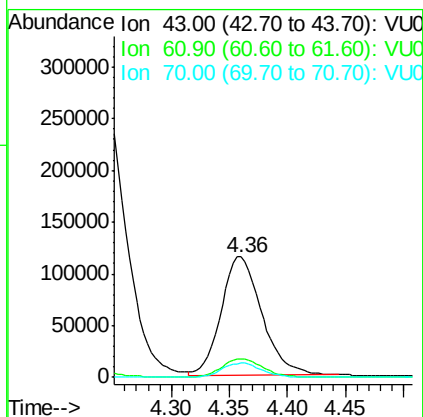
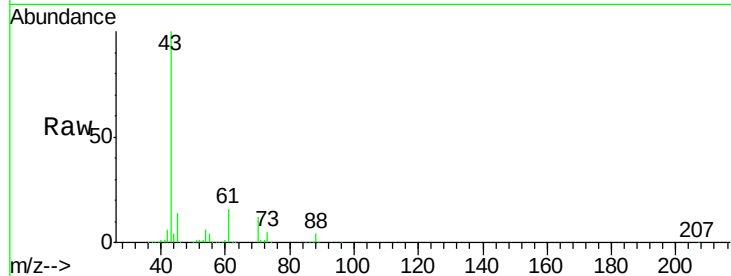
#37
Ethyl Acetate
Concen: 47.848 ug/l
RT: 4.36 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	12.3	18.5
70	12.1	9.1	13.7

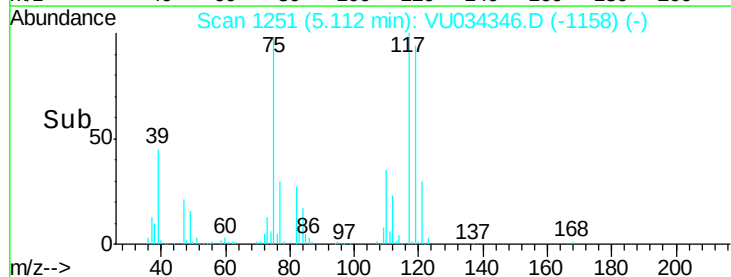
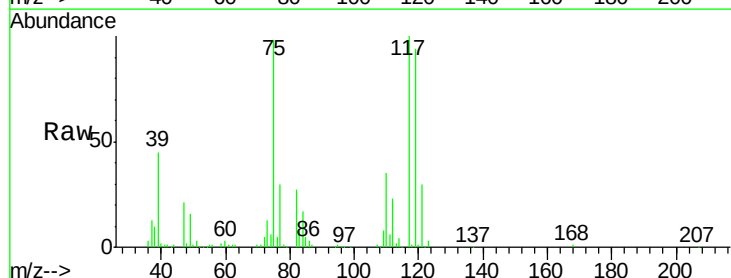
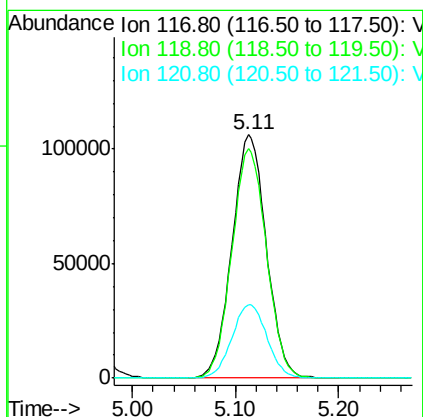
Manual Integrations
APPROVED

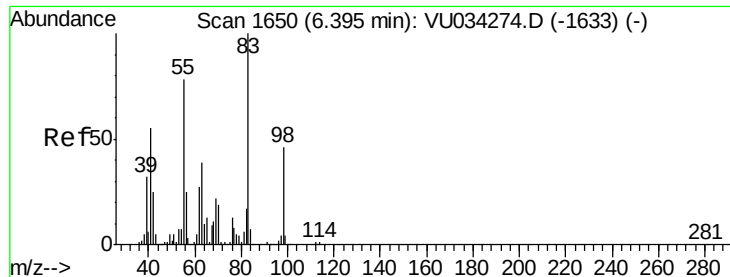
MMDadoda
9/10/2019 1:30:43 PM



#38
Carbon Tetrachloride
Concen: 46.227 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	77.8	116.6
121	30.3	25.2	37.8





#39

Methylcyclohexane

Concen: 47.915 ug/l

RT: 6.40 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 254485

Ion Ratio Lower Upper

83 100

55 75.1 62.1 93.1

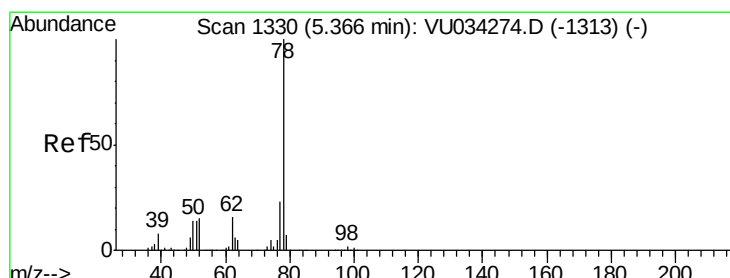
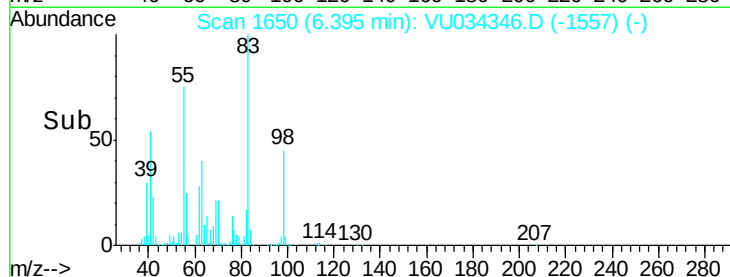
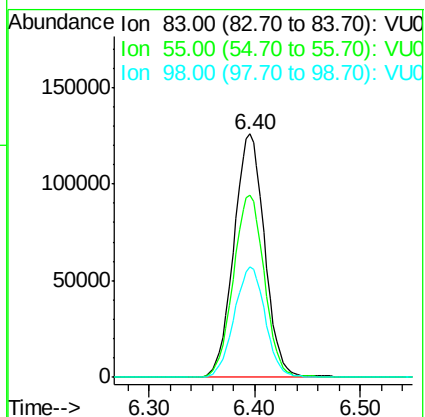
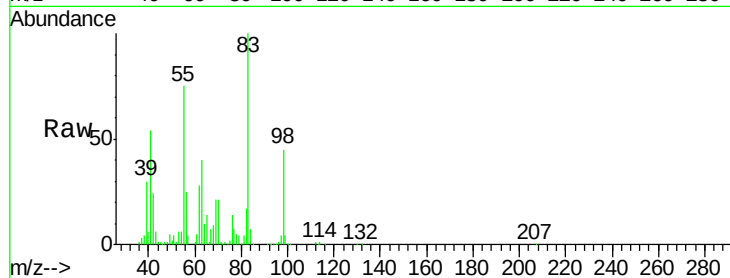
98 45.3 37.0 55.6

Manual Integrations

APPROVED

MMDadoda

9/10/2019 1:30:43 PM



#40

Benzene

Concen: 47.327 ug/l

RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VU034346.D

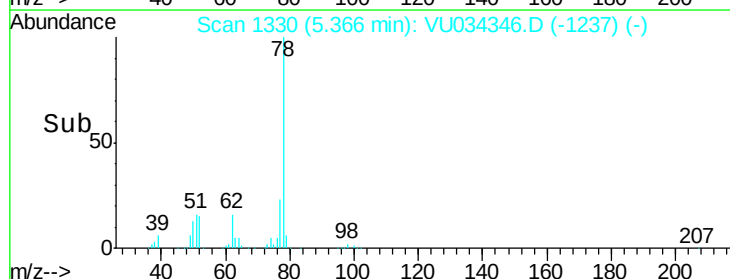
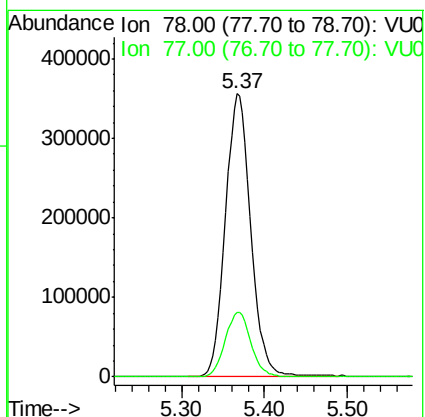
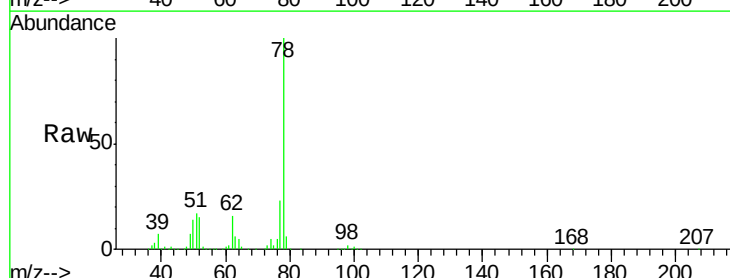
Acq: 06 Sep 2019 21:36

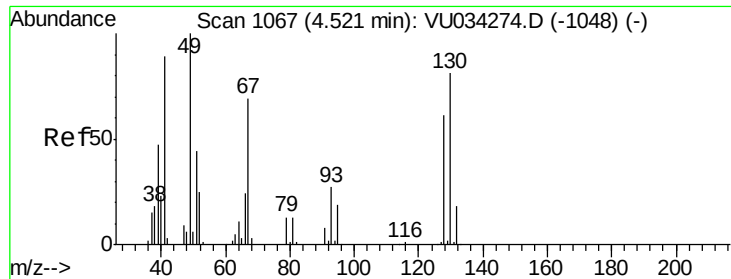
Tgt Ion: 78 Resp: 758728

Ion Ratio Lower Upper

78 100

77 22.8 18.7 28.1





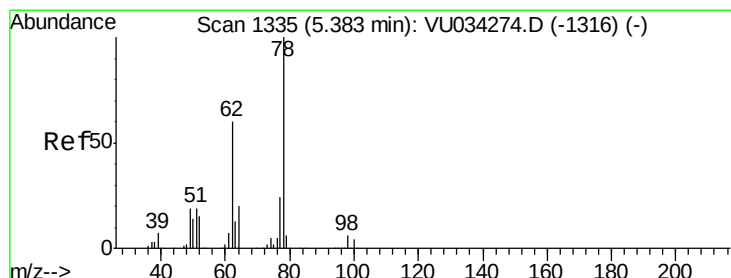
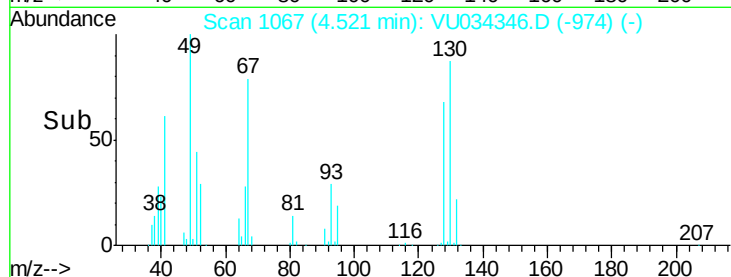
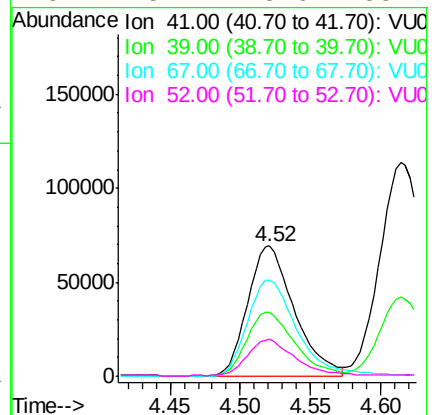
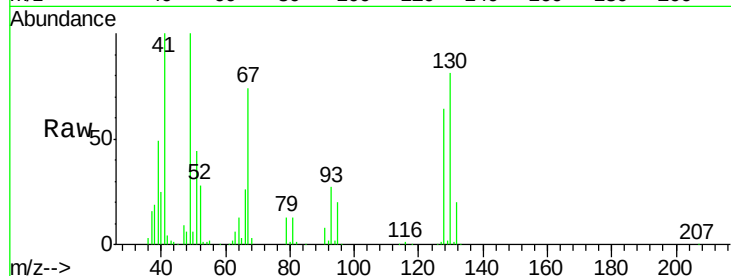
#41
Methacrylonitrile
Concen: 51.038 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	50.5	41.0	61.4
67	79.9	62.4	93.6
52	28.4	23.6	35.4

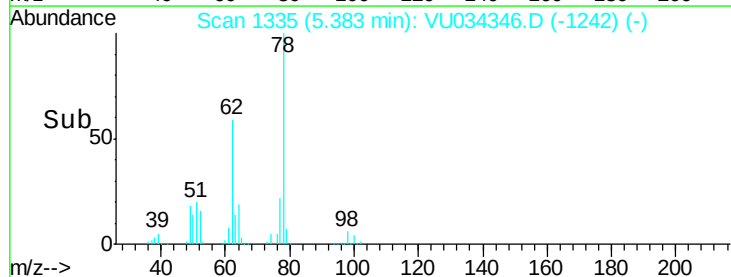
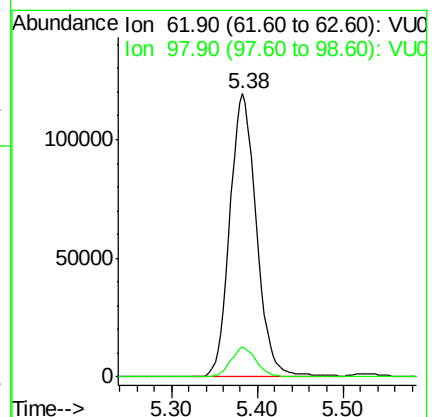
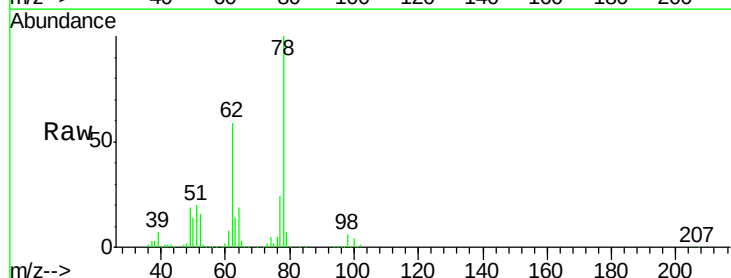
Manual Integrations
APPROVED

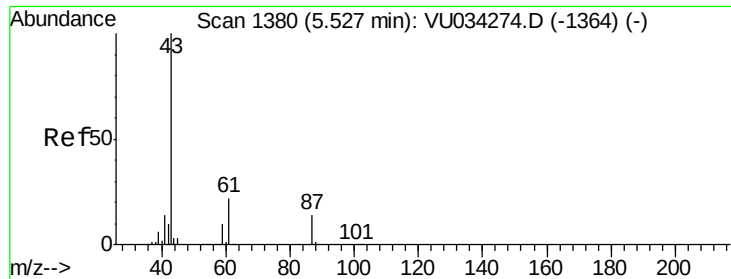
MMDadoda
9/10/2019 1:30:43 PM



#42
1,2-Dichloroethane
Concen: 46.096 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.0





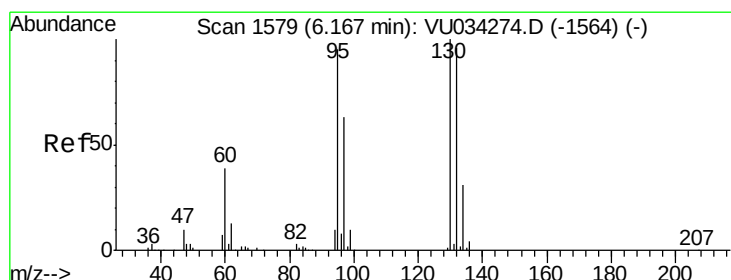
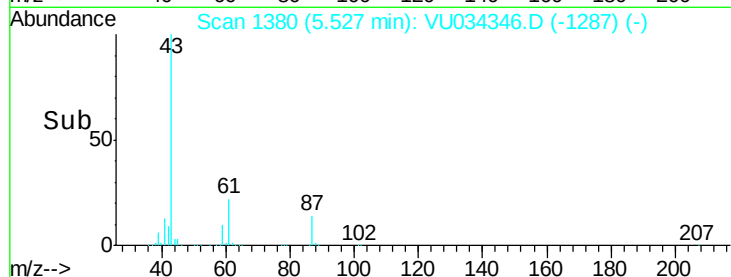
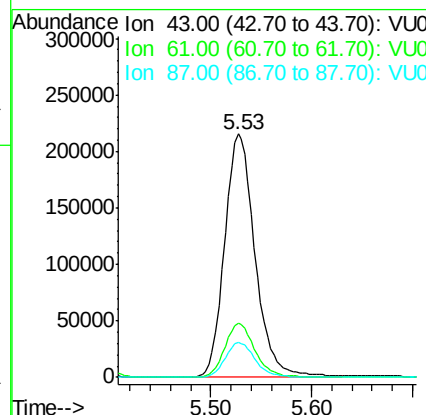
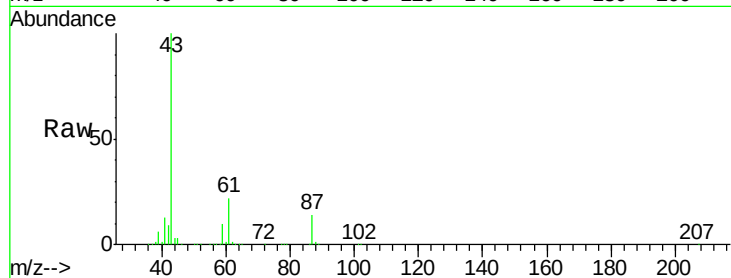
#43
Isopropyl Acetate
Concen: 49.124 ug/l
RT: 5.53 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.2	17.1	25.7
87	14.3	11.1	16.7

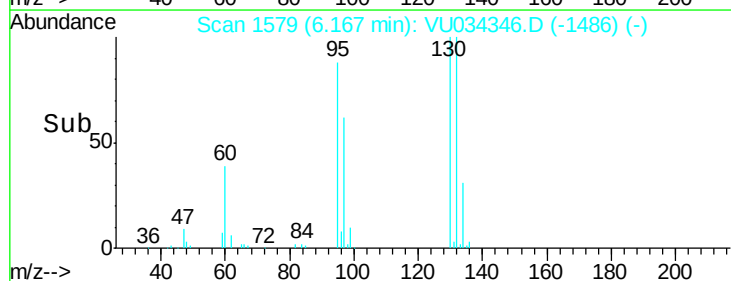
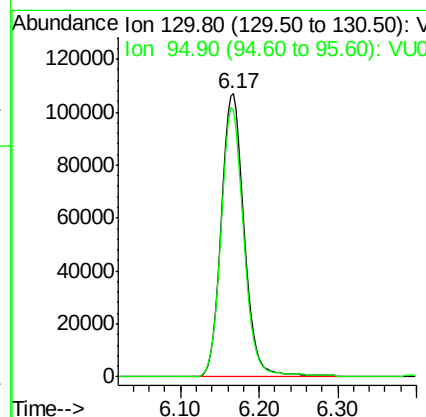
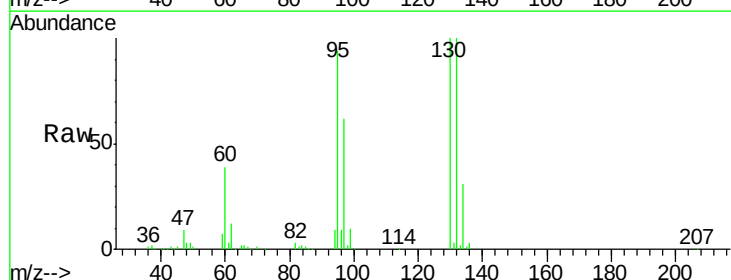
Manual Integrations
APPROVED

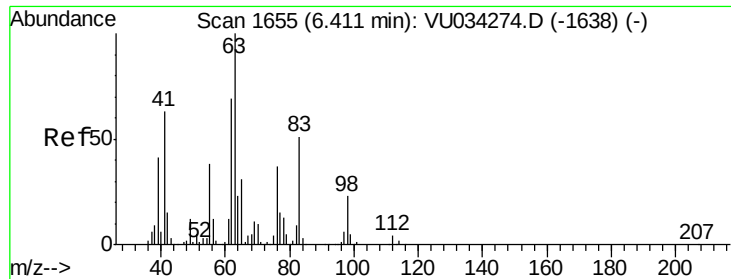
MMDadoda
9/10/2019 1:30:43 PM



#44
Trichloroethene
Concen: 48.515 ug/l
RT: 6.17 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.2	0.0	189.2





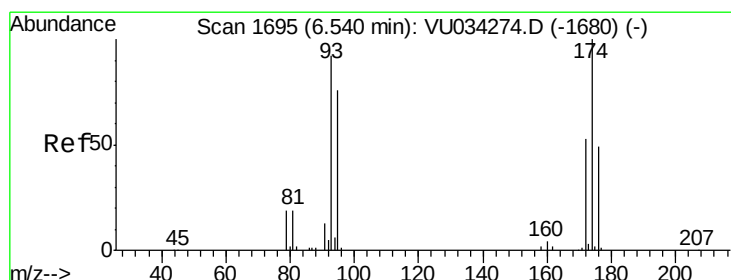
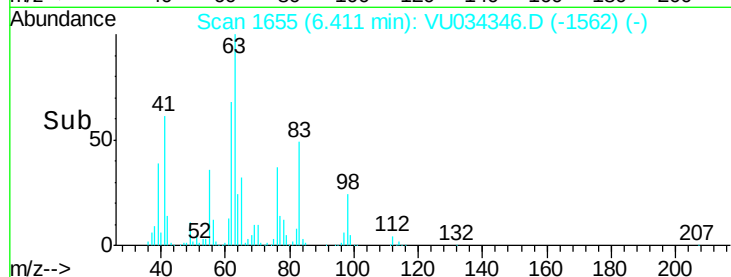
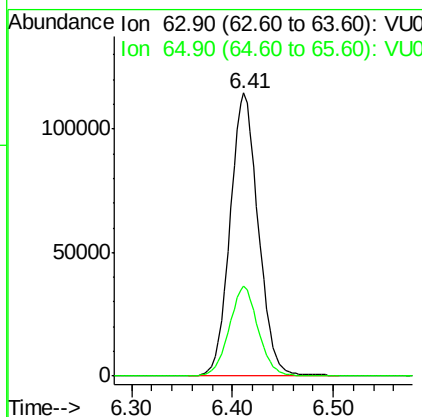
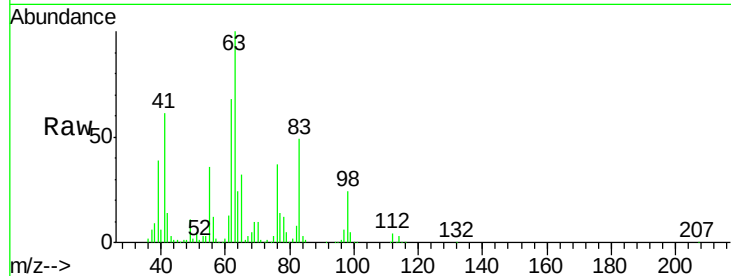
#45
 1,2-Dichloropropane
 Concen: 47.589 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU034346.D
 Acq: 06 Sep 2019 21:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 223035
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.6 37.0

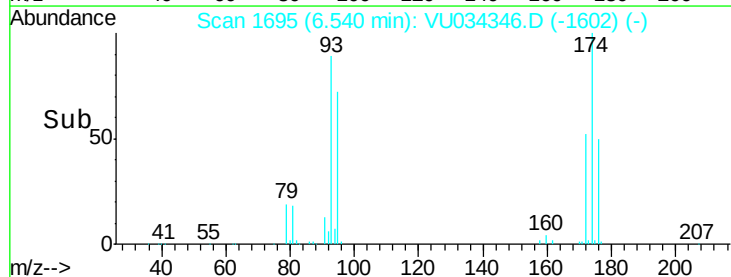
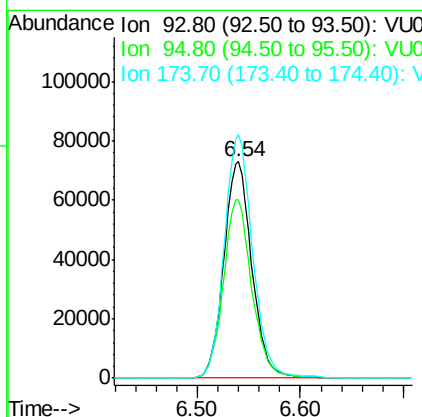
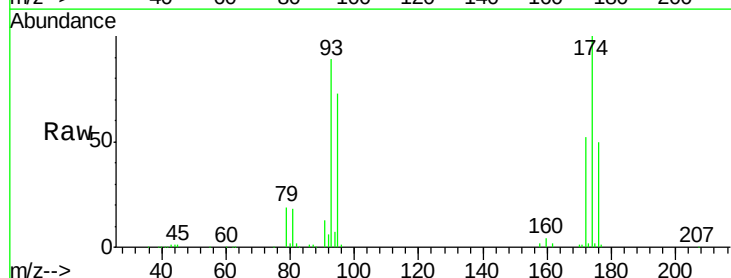
Manual Integrations
 APPROVED

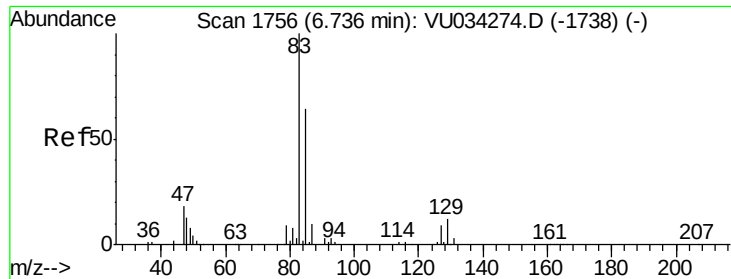
MMDadoda
 9/10/2019 1:30:43 PM



#46
 Dibromomethane
 Concen: 47.196 ug/l
 RT: 6.54 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU034346.D
 Acq: 06 Sep 2019 21:36

Tgt Ion: 93 Resp: 138845
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.5 99.7
 174 113.5 87.8 131.6





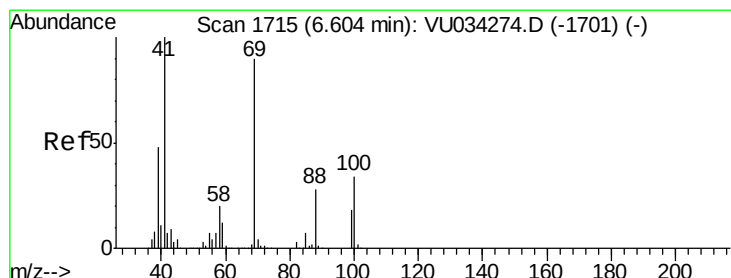
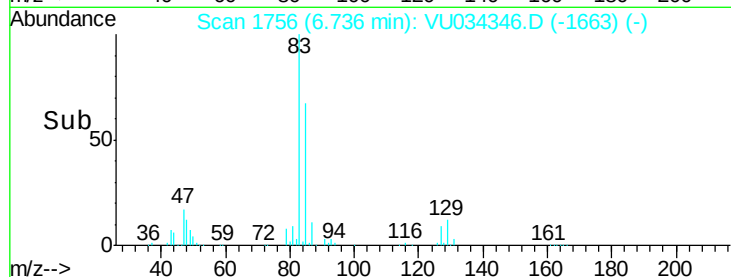
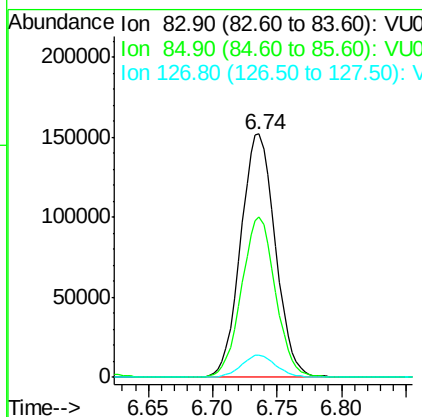
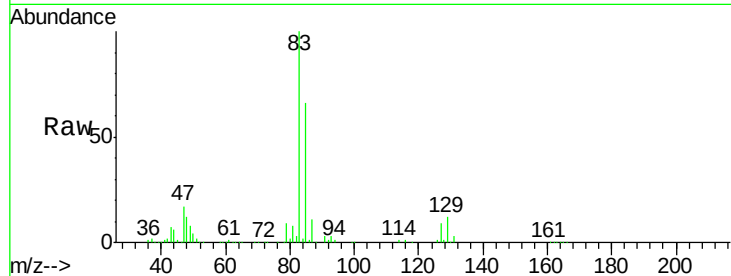
#47
Bromodichloromethane
Concen: 47.019 ug/l
RT: 6.74 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	284728
Ion Ratio	100	Lower	Upper
83	100		
85	65.7	51.1	76.7
127	8.9	7.2	10.8

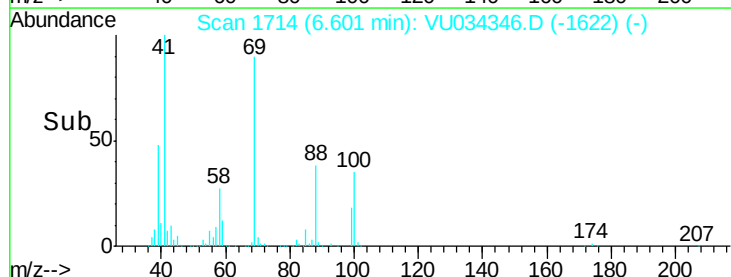
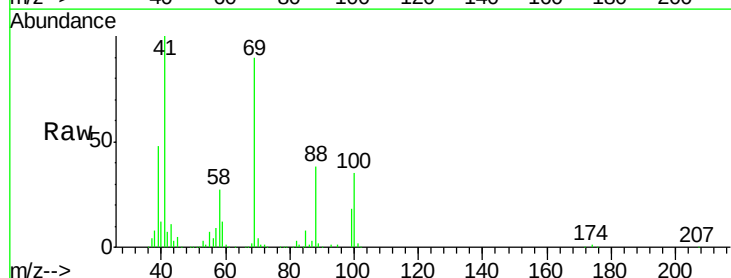
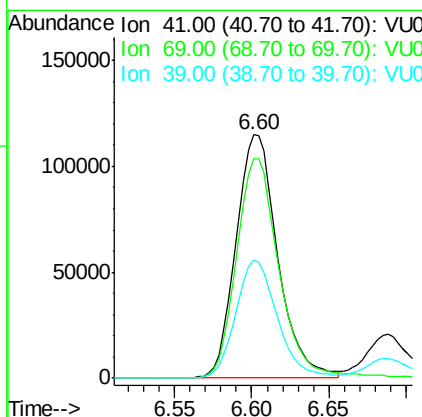
Manual Integrations
APPROVED

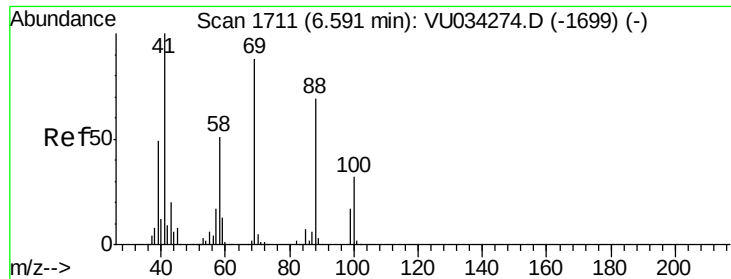
MMDadoda
9/10/2019 1:30:43 PM



#48
Methyl methacrylate
Concen: 49.062 ug/l
RT: 6.60 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Tgt Ion	41	Resp	213536
Ion Ratio	100	Lower	Upper
41	100		
69	93.1	72.8	109.2
39	48.2	38.6	58.0





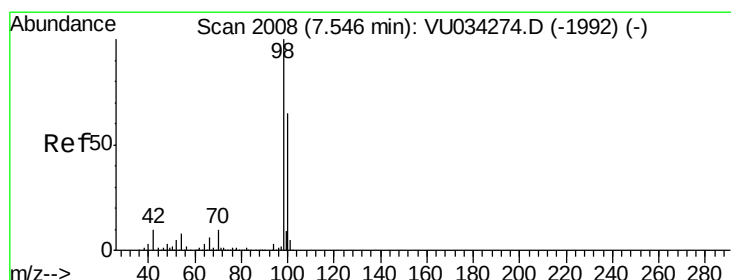
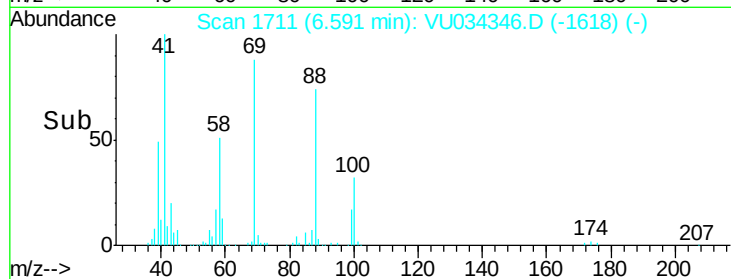
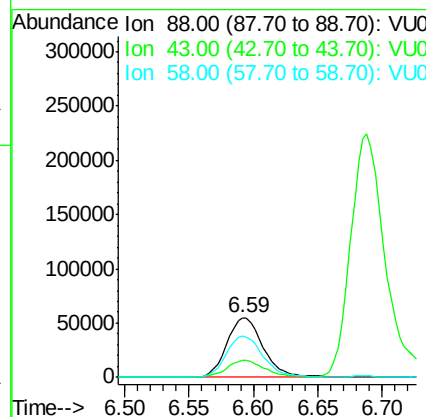
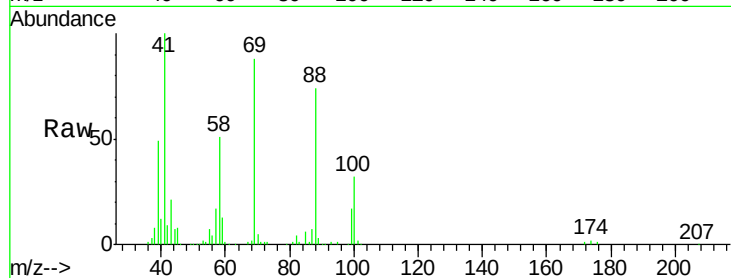
#49
1,4-Dioxane
Concen: 1116.304 ug/l
RT: 6.59 min Scan# 1711
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100	106093		
43	28.1	23.8	35.6	
58	71.5	58.4	87.6	

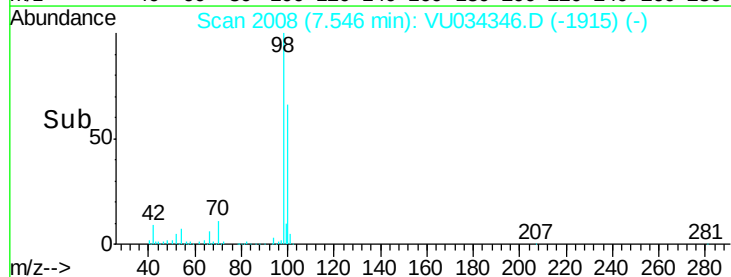
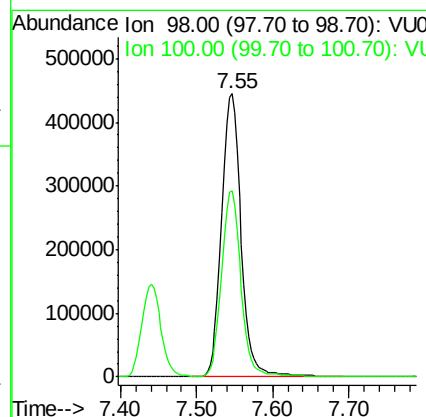
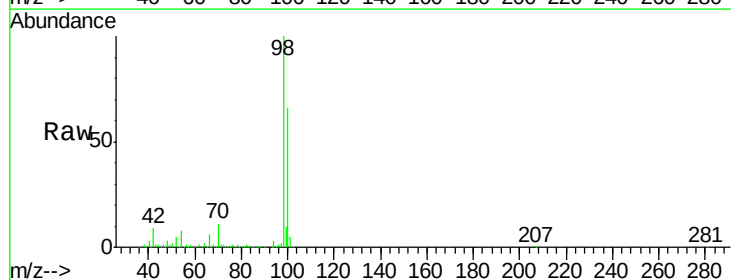
Manual Integrations
APPROVED

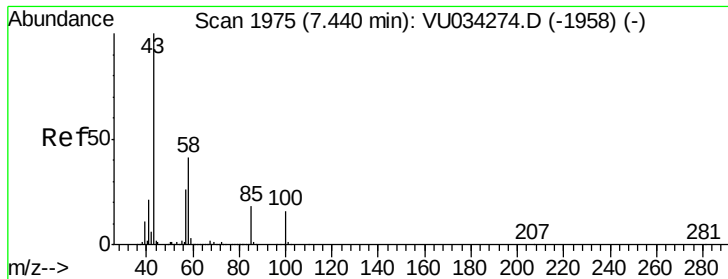
MMDadoda
9/10/2019 1:30:43 PM



#50
Toluene-d8
Concen: 49.593 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	794250		
100	64.4	51.7	77.5	





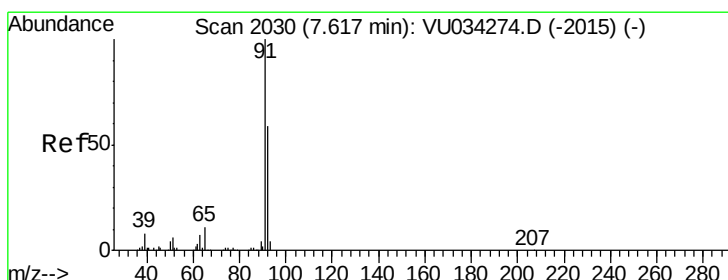
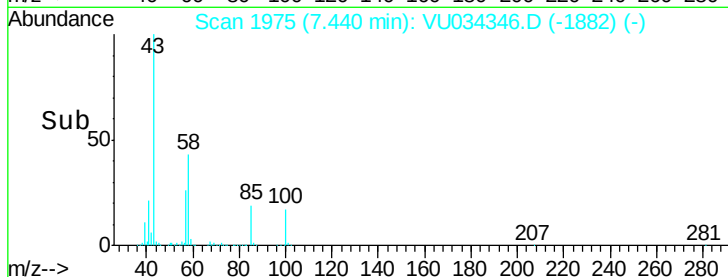
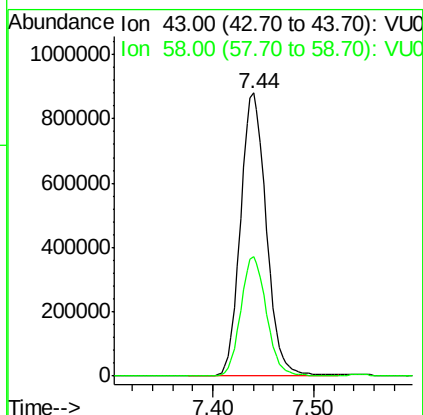
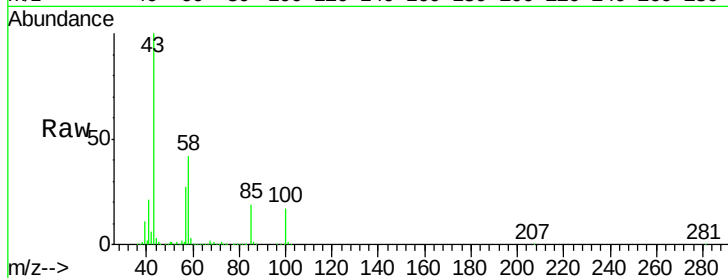
#51
4-Methyl-2-Pentanone
Concen: 244.772 ug/l
RT: 7.44 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1552596
Ion Ratio Lower Upper
43 100
58 42.0 33.0 49.4

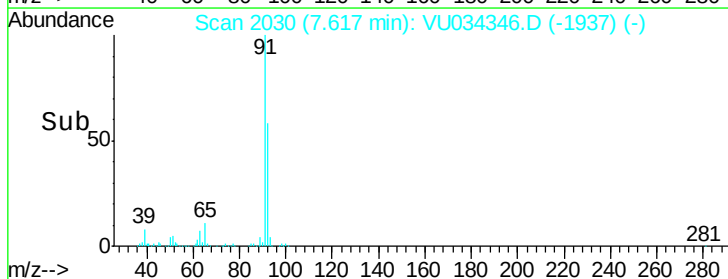
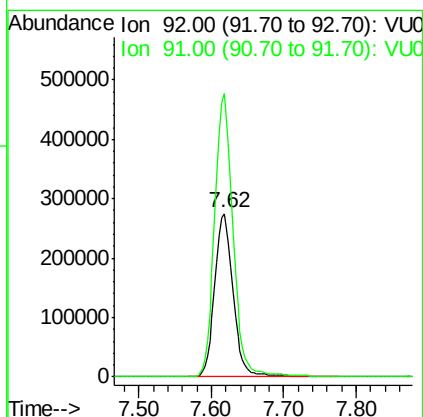
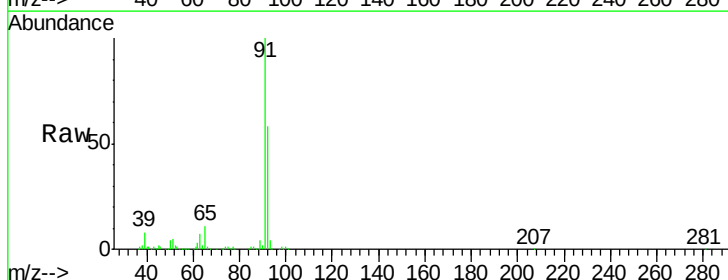
Manual Integrations
APPROVED

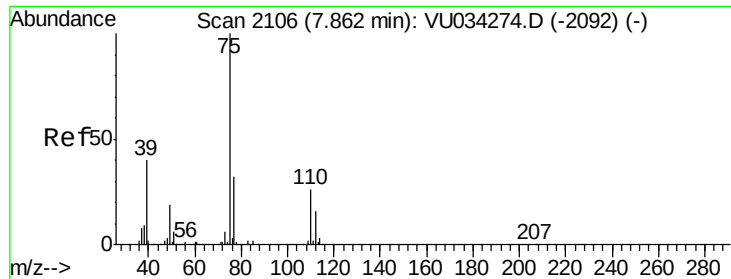
MMDadoda
9/10/2019 1:30:43 PM



#52
Toluene
Concen: 48.646 ug/l
RT: 7.62 min Scan# 2030
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Tgt Ion: 92 Resp: 489221
Ion Ratio Lower Upper
92 100
91 172.8 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 47.494 ug/l

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 298139

Ion Ratio Lower Upper

75 100

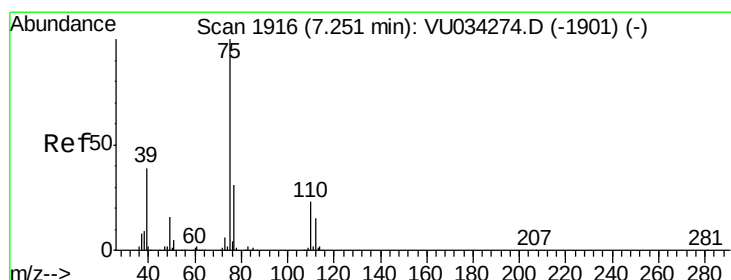
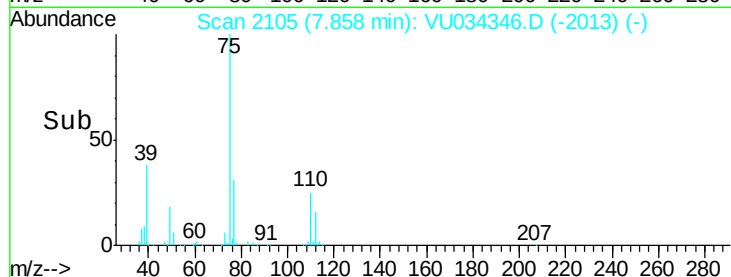
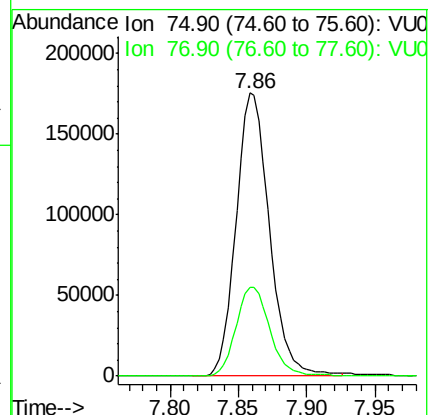
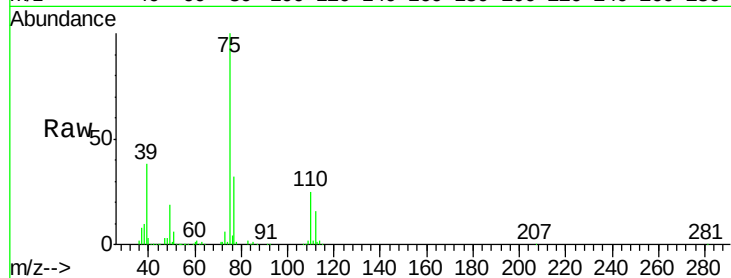
77 31.5 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

9/10/2019 1:30:43 PM



#54

cis-1,3-Dichloropropene

Concen: 48.808 ug/l

RT: 7.25 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

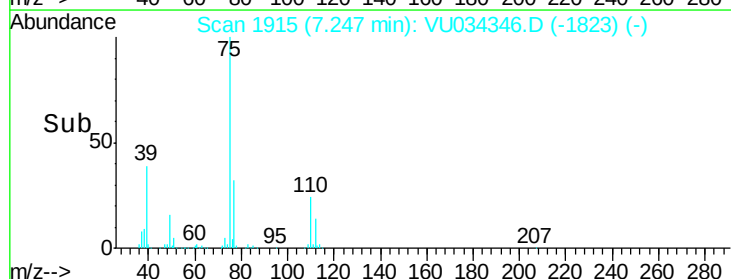
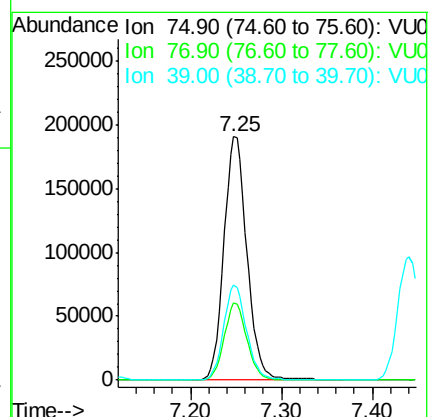
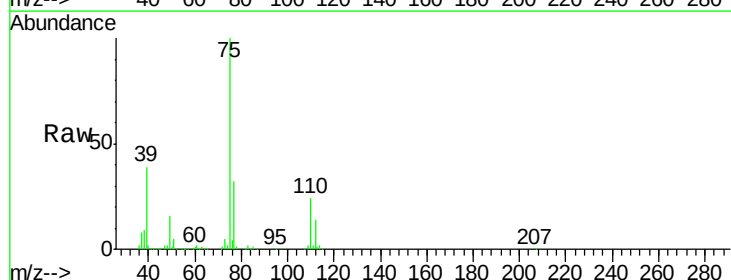
Tgt Ion: 75 Resp: 336270

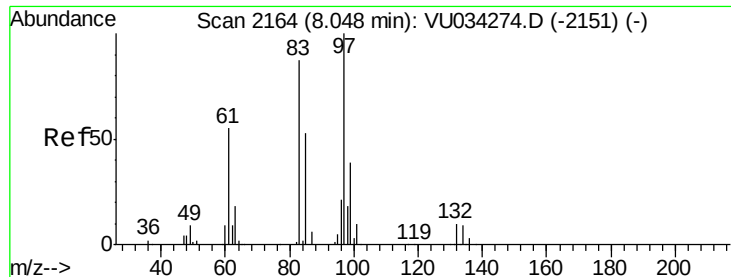
Ion Ratio Lower Upper

75 100

77 31.6 25.1 37.7

39 38.9 31.2 46.8





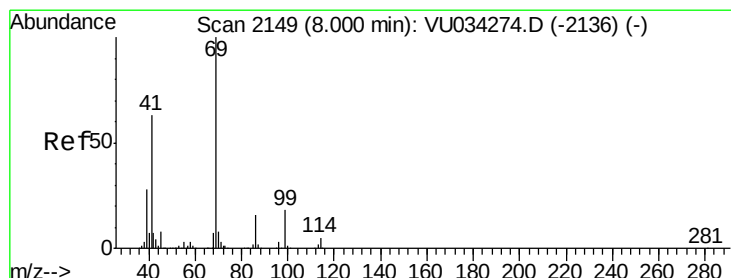
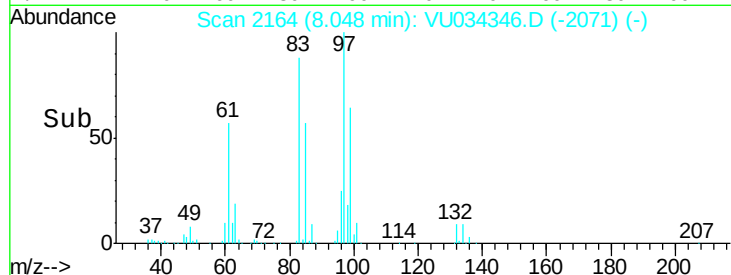
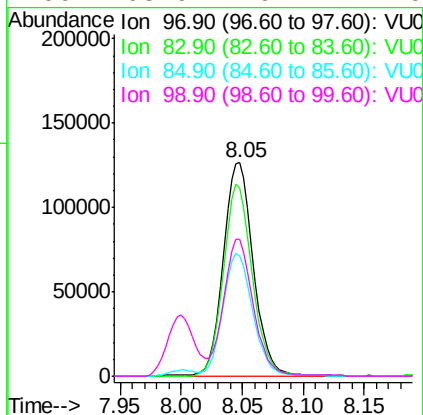
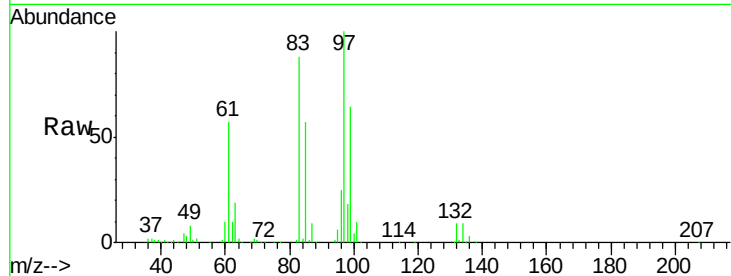
#55
 1,1,2-Trichloroethane
 Concen: 47.346 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU034346.D
 Acq: 06 Sep 2019 21:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	216205		
83	88.2	69.0	103.6	
85	56.5	44.2	66.2	
99	63.9	49.4	74.0	

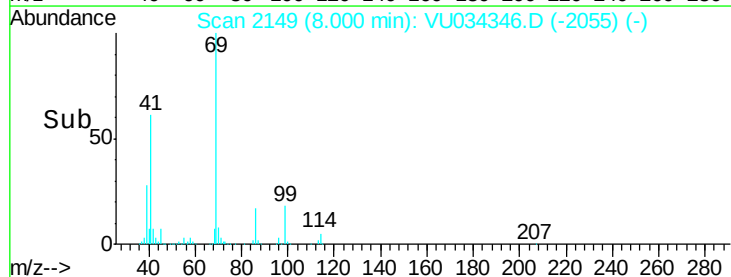
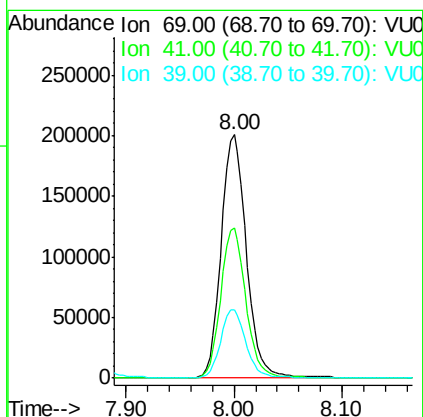
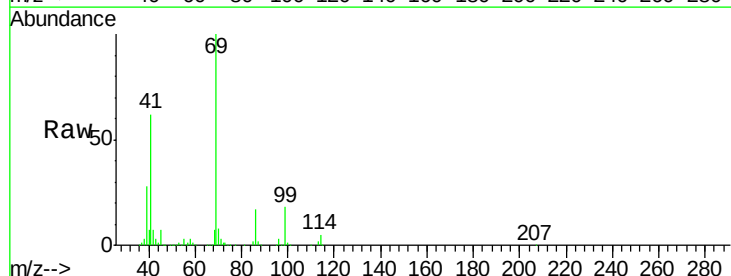
Manual Integrations
 APPROVED

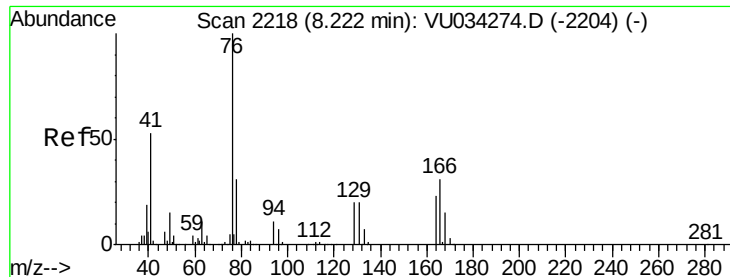
MMDadoda
 9/10/2019 1:30:43 PM



#56
 Ethyl methacrylate
 Concen: 47.378 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU034346.D
 Acq: 06 Sep 2019 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	327503		
41	61.0	49.5	74.3	
39	27.6	22.5	33.7	





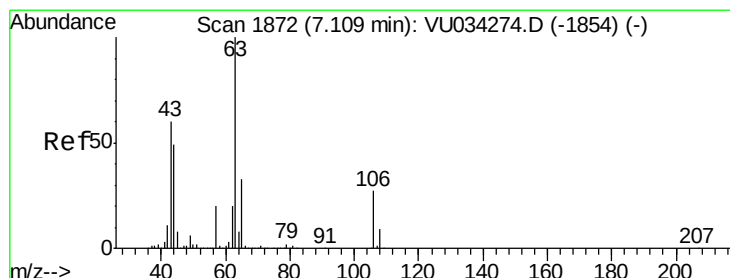
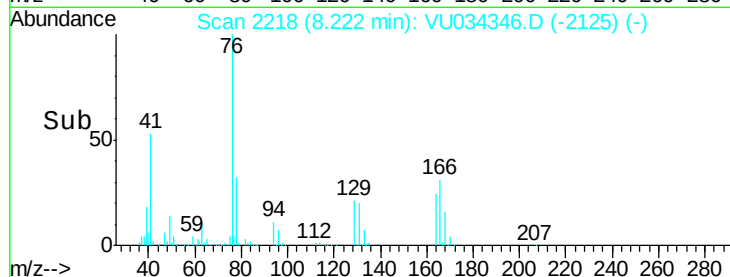
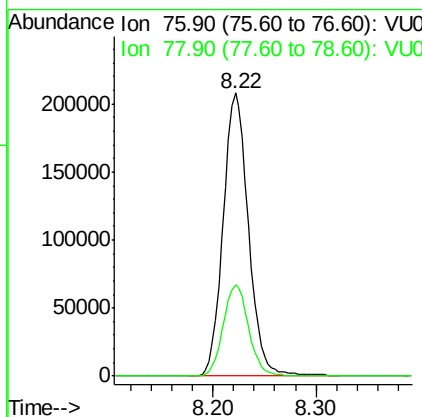
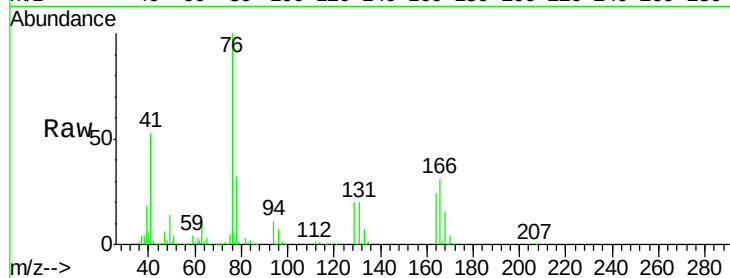
#57
 1,3-Dichloropropane
 Concen: 47.906 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU034346.D
 Acq: 06 Sep 2019 21:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.4	38.2

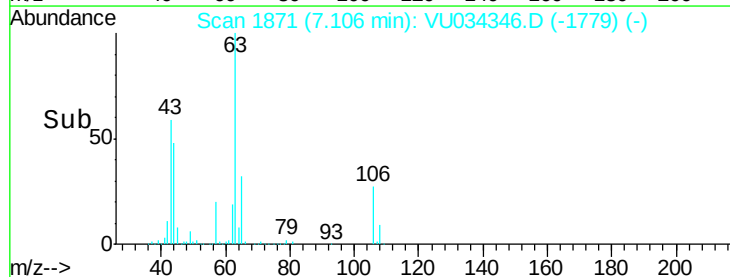
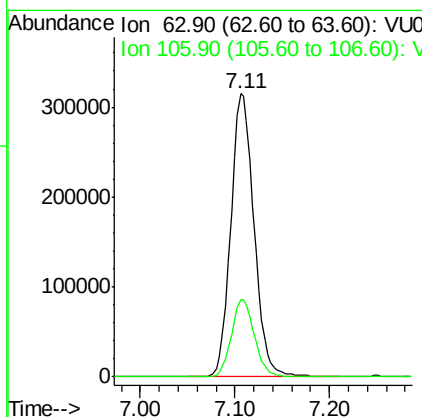
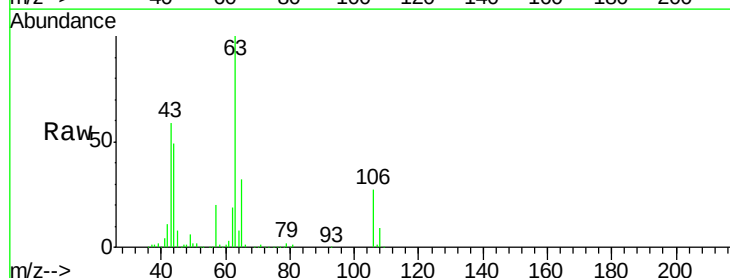
Manual Integrations
 APPROVED

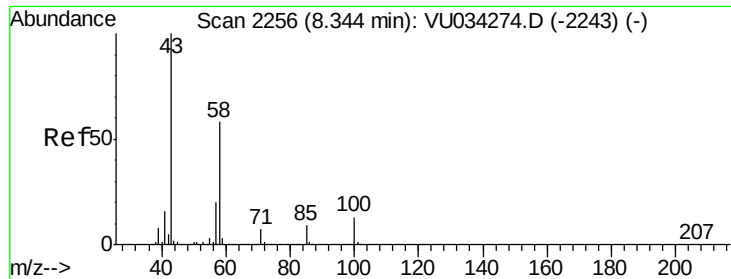
MMDadoda
 9/10/2019 1:30:43 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 230.227 ug/l
 RT: 7.11 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VU034346.D
 Acq: 06 Sep 2019 21:36

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.1	21.6	32.4





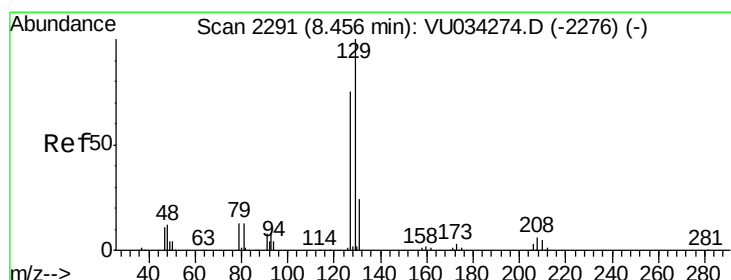
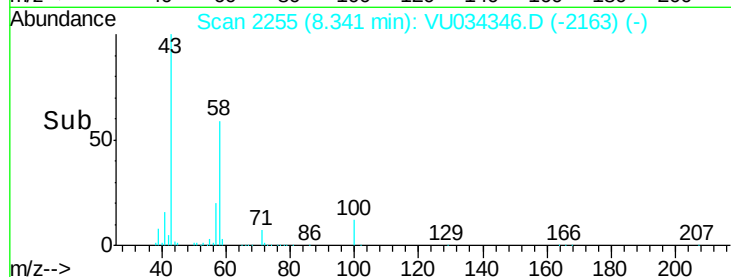
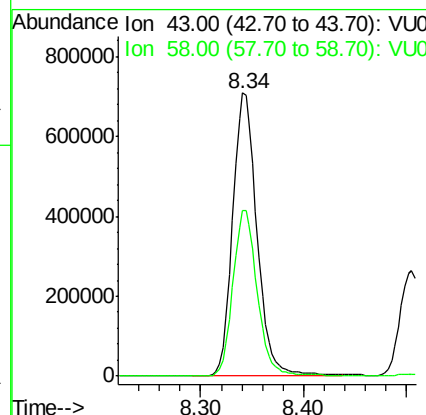
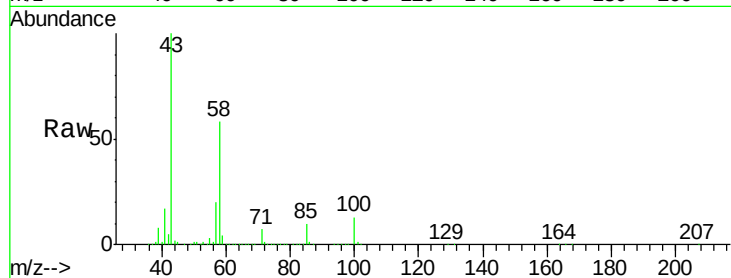
#59
2-Hexanone
Concen: 247.190 ug/l
RT: 8.34 min Scan# 2255
Delta R.T. -0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1171331
Ion Ratio Lower Upper
43 100
58 58.8 28.8 86.5

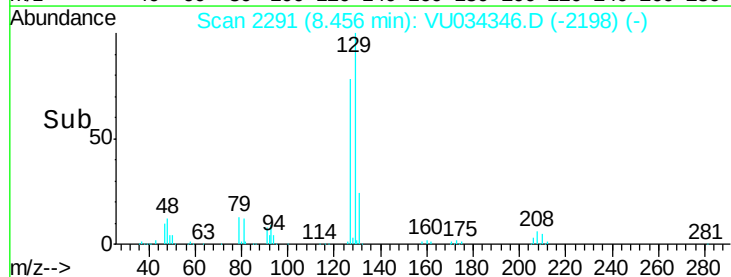
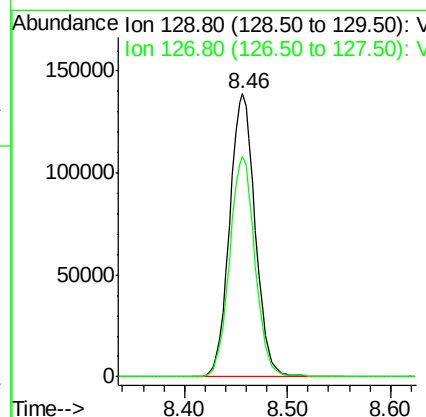
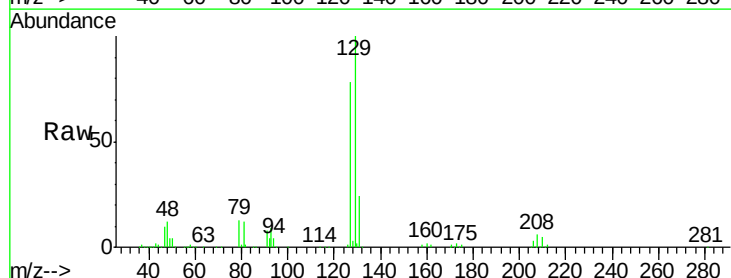
Manual Integrations
APPROVED

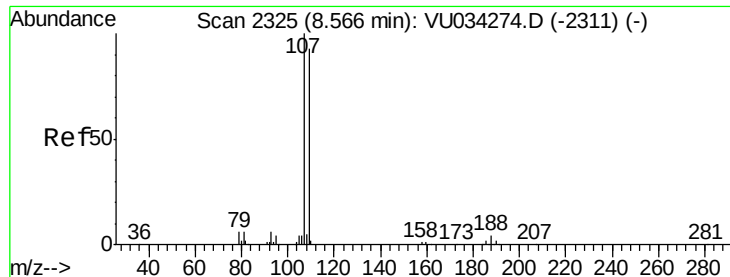
MMDadoda
9/10/2019 1:30:43 PM



#60
Dibromochloromethane
Concen: 48.877 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Tgt Ion: 129 Resp: 239400
Ion Ratio Lower Upper
129 100
127 77.5 37.9 113.7





#61

1,2-Dibromoethane

Concen: 48.489 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 216725

Ion Ratio Lower Upper

107 100

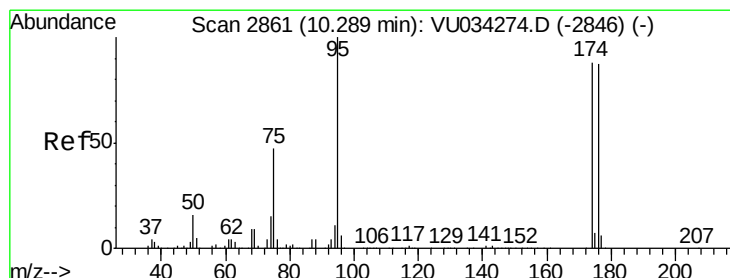
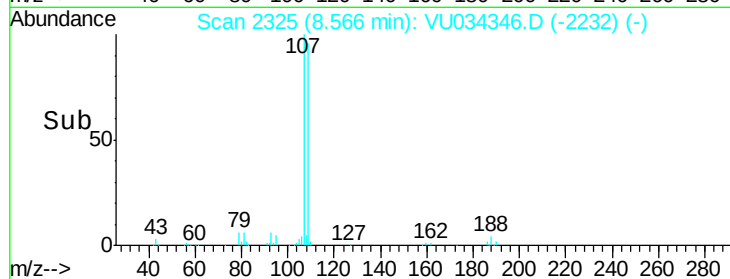
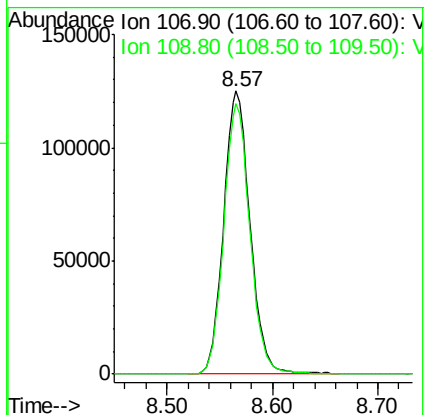
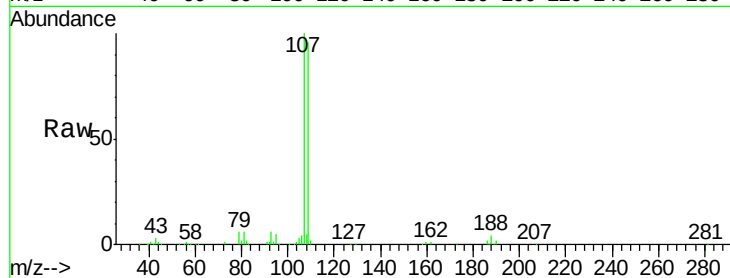
109 94.0 75.0 112.6

Manual Integrations

APPROVED

MMDadoda

9/10/2019 1:30:43 PM



#62

4-Bromofluorobenzene

Concen: 49.361 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

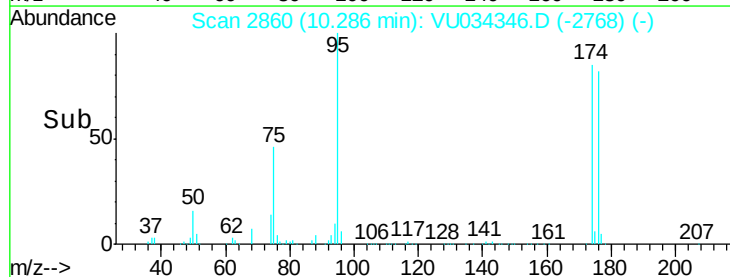
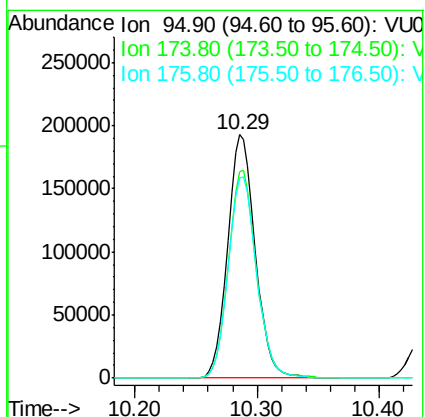
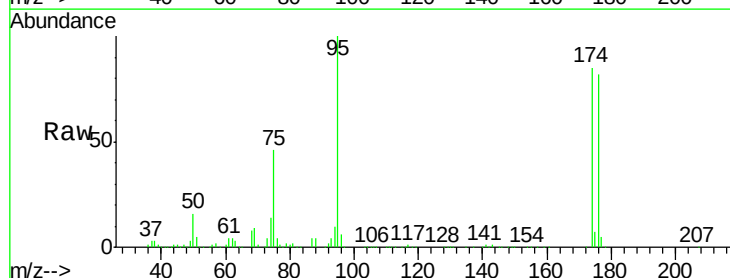
Tgt Ion: 95 Resp: 305218

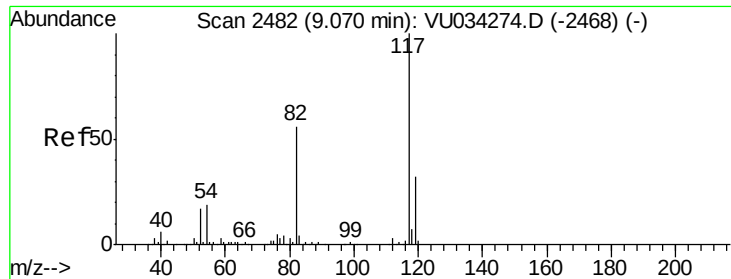
Ion Ratio Lower Upper

95 100

174 86.8 0.0 175.2

176 85.2 0.0 168.0





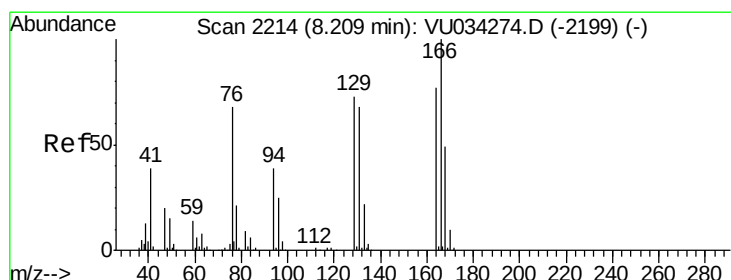
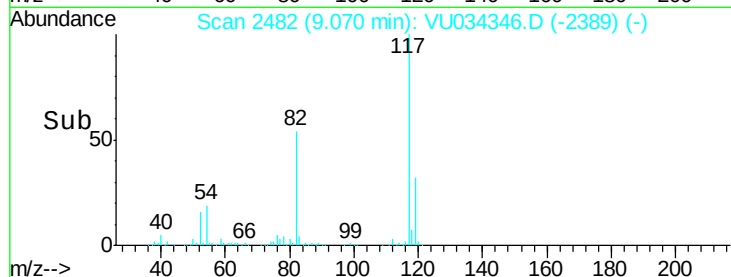
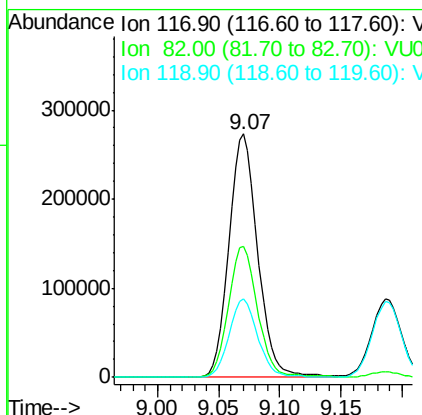
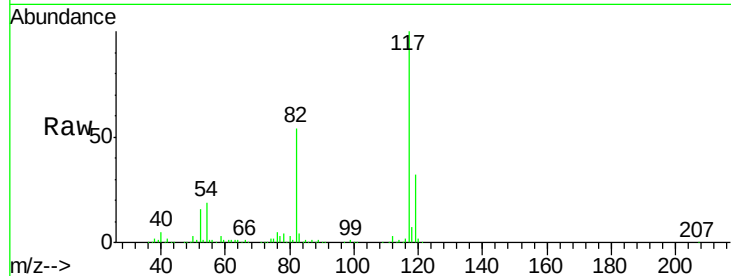
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	451570		
82	54.0		44.6	67.0
119	32.2		25.9	38.9

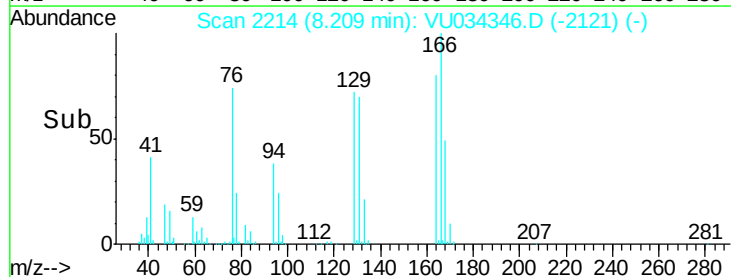
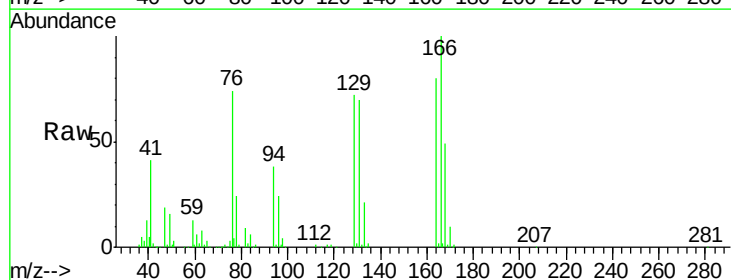
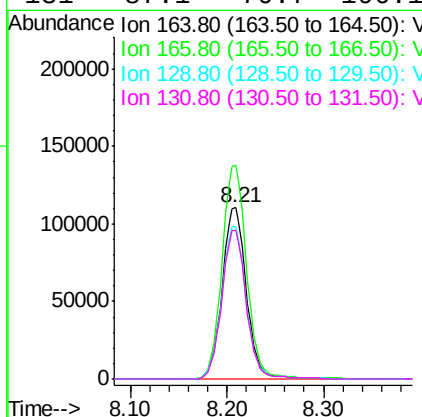
Manual Integrations
APPROVED

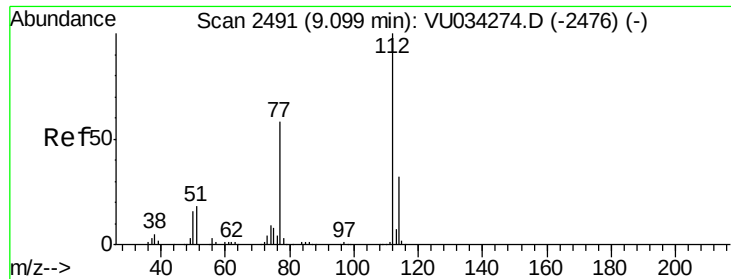
MMDadoda
9/10/2019 1:30:43 PM



#64
Tetrachloroethene
Concen: 49.036 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	192105		
166	124.9		103.7	155.5
129	89.4		75.8	113.8
131	87.1		70.7	106.1





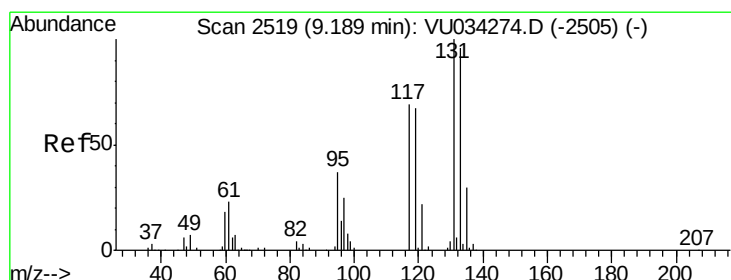
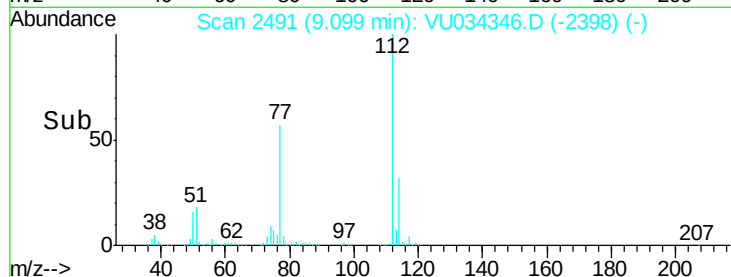
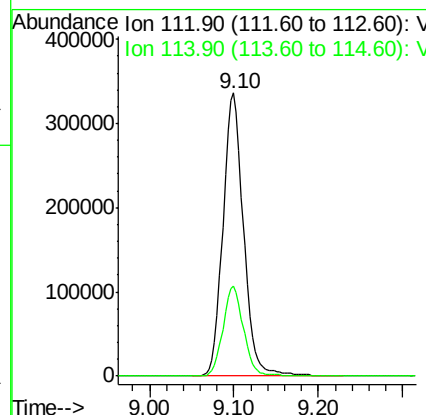
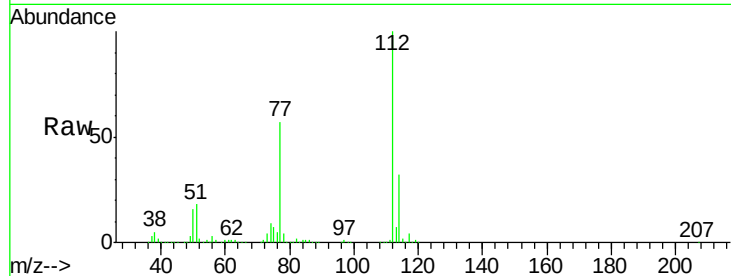
#65
Chlorobenzene
Concen: 49.887 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.9	38.9

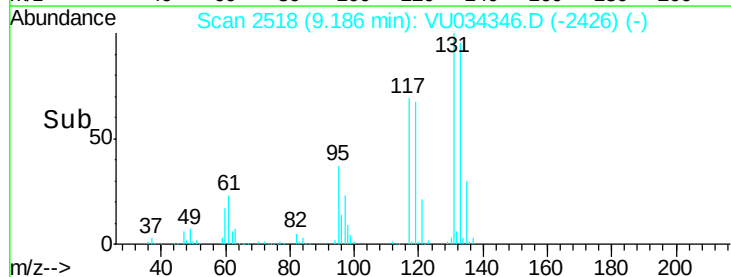
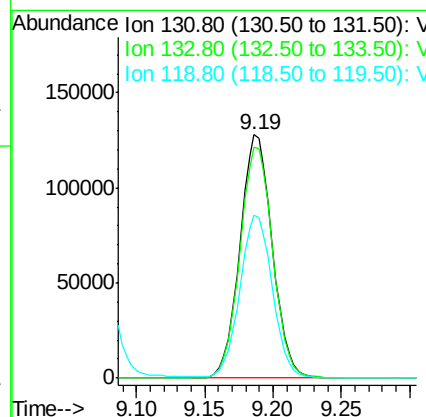
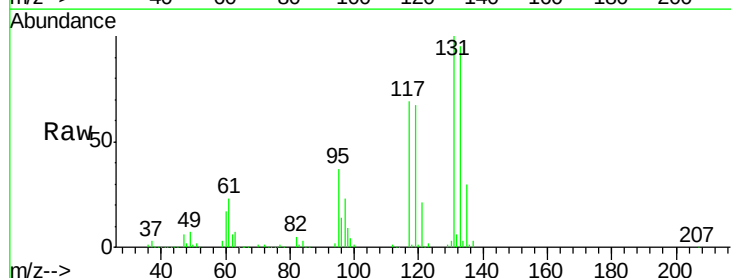
Manual Integrations
APPROVED

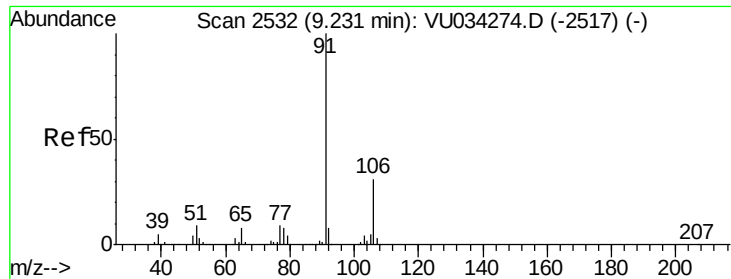
MMDadoda
9/10/2019 1:30:43 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.208 ug/l
RT: 9.19 min Scan# 2518
Delta R.T. -0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.5	47.9	143.7
119	66.7	33.1	99.5





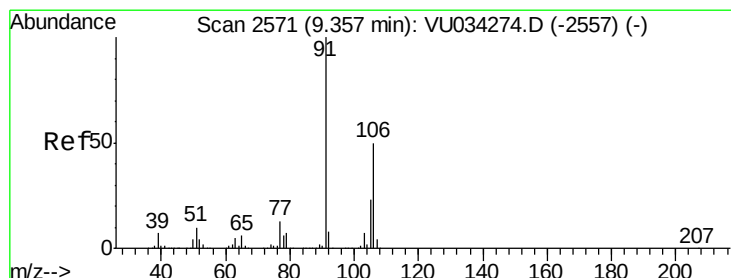
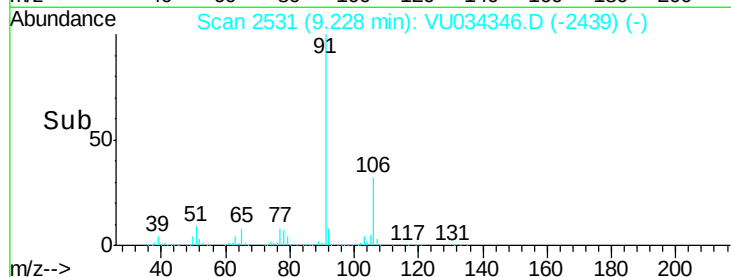
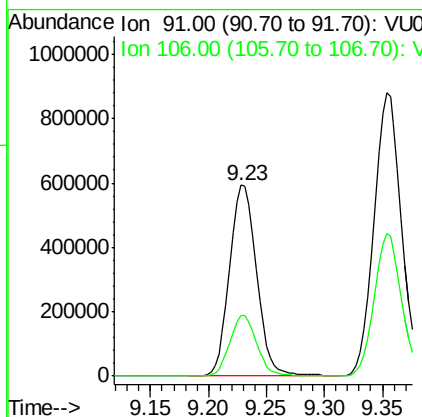
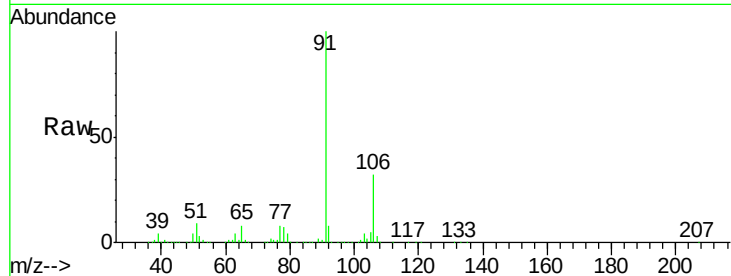
#67
Ethyl Benzene
Concen: 51.293 ug/l
RT: 9.23 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.5	24.8	37.2

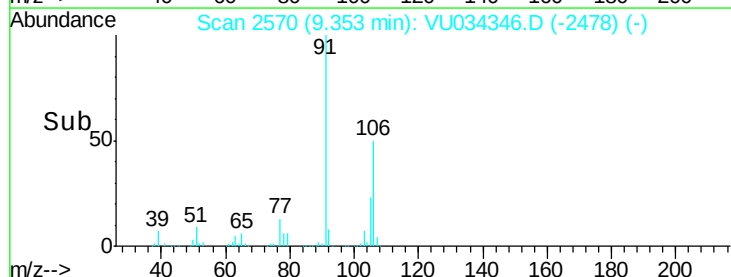
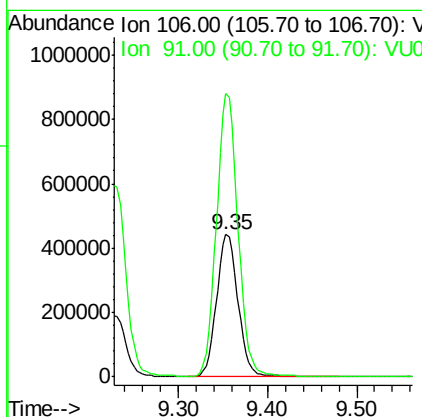
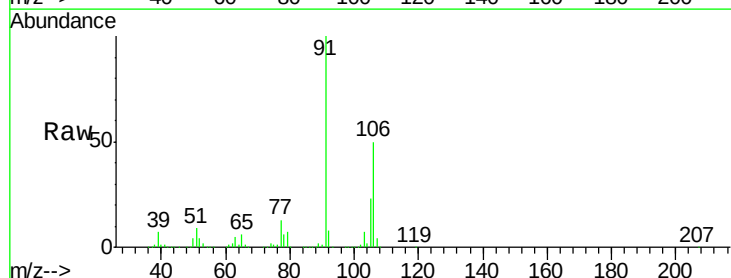
Manual Integrations
APPROVED

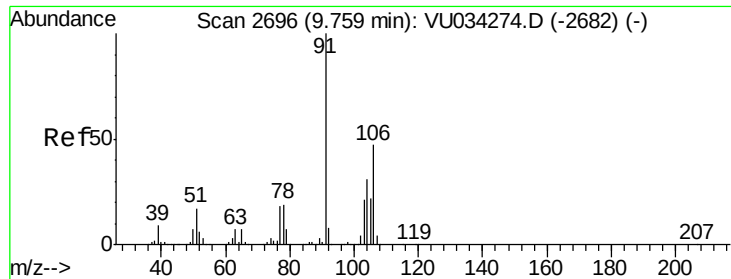
MMDadoda
9/10/2019 1:30:43 PM



#68
m/p-Xylenes
Concen: 104.467 ug/l
RT: 9.35 min Scan# 2570
Delta R.T. -0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Tgt Ion	Ratio	Lower	Upper
106	100		
91	200.1	160.1	240.1





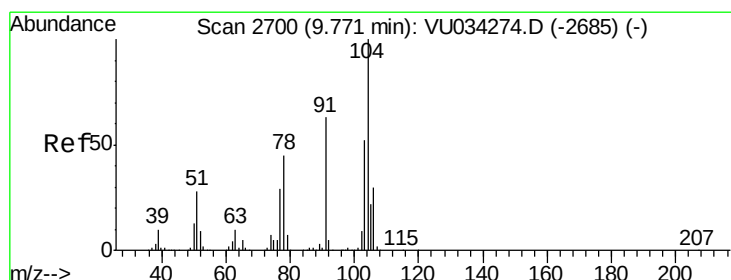
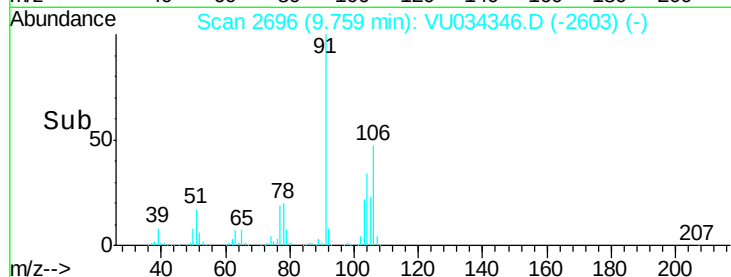
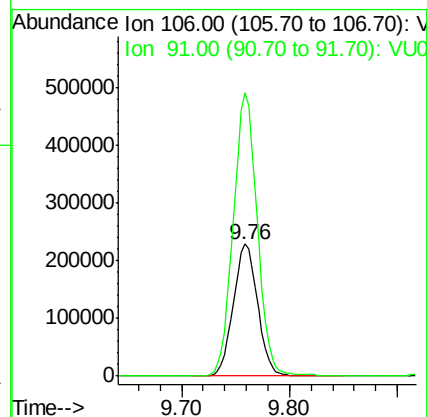
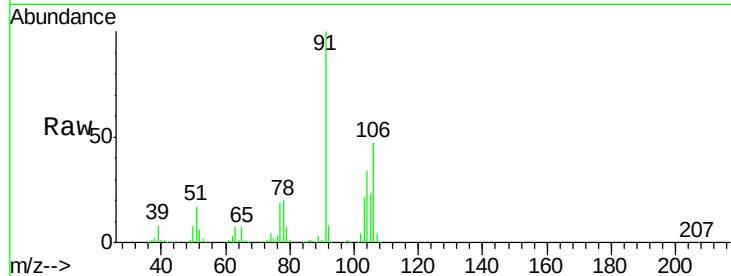
#69
o-Xylene
Concen: 52.601 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		362856		
91	210.7	105.1	315.3		

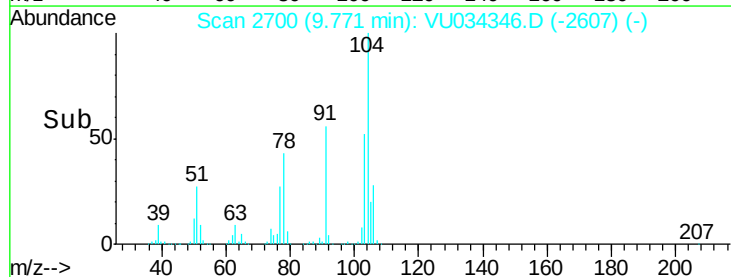
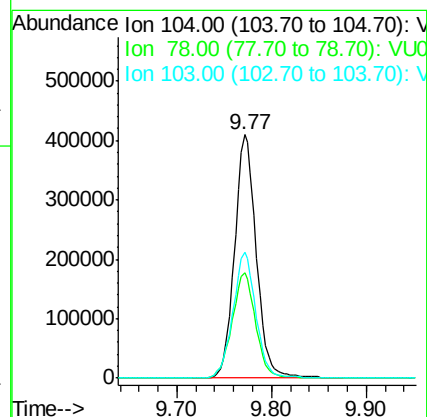
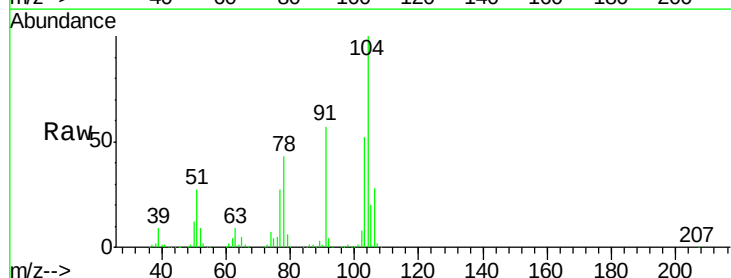
Manual Integrations
APPROVED

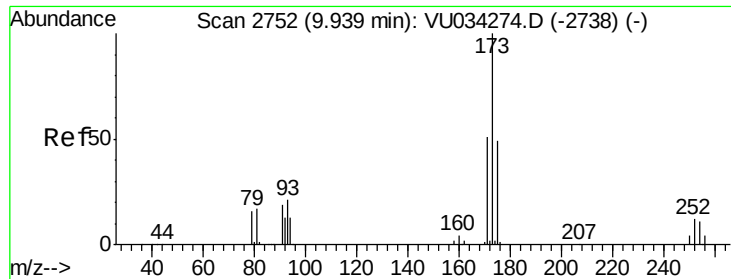
MMDadoda
9/10/2019 1:30:43 PM



#70
Styrene
Concen: 54.055 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		653775		
78	47.2	38.6	57.8		
103	54.7	44.2	66.4		





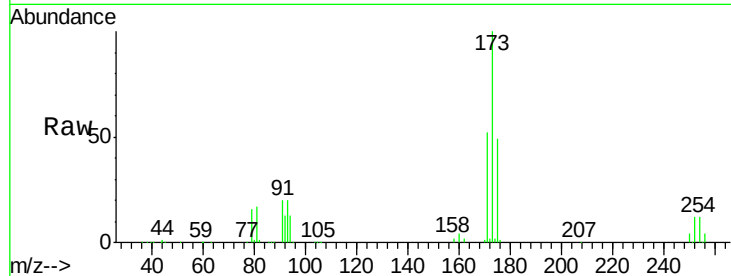
#71
Bromoform
Concen: 49.412 ug/l
RT: 9.94 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

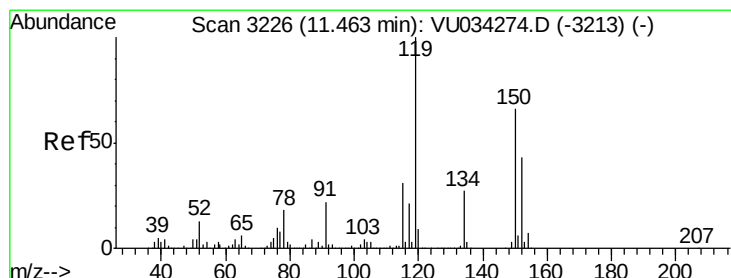
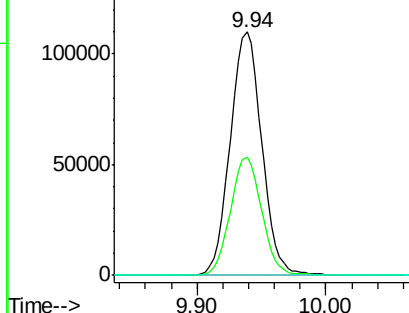
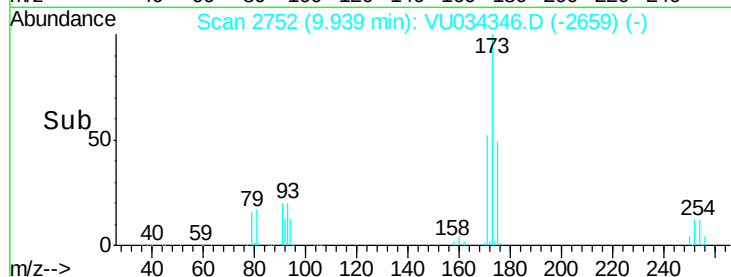
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.4	73.2
254	0.2	0.0	0.0#

Manual Integrations
APPROVED

MMDadoda
9/10/2019 1:30:43 PM

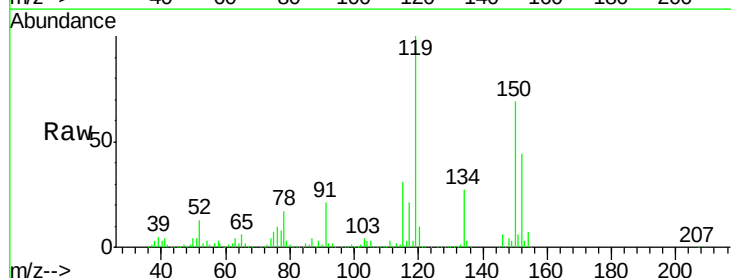


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

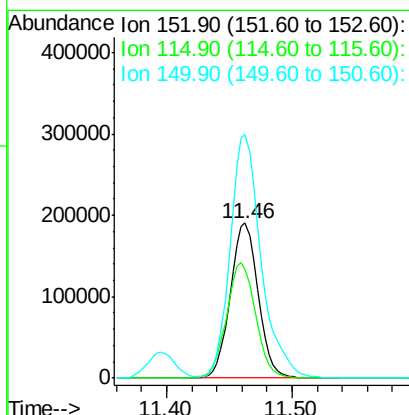
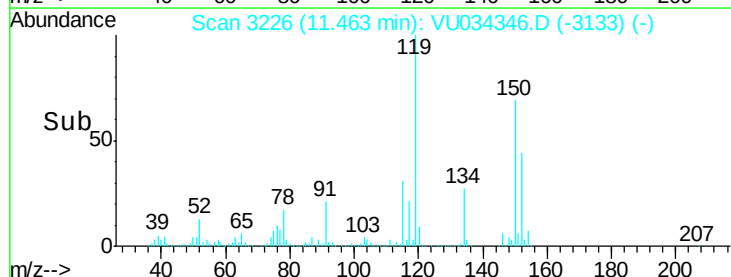


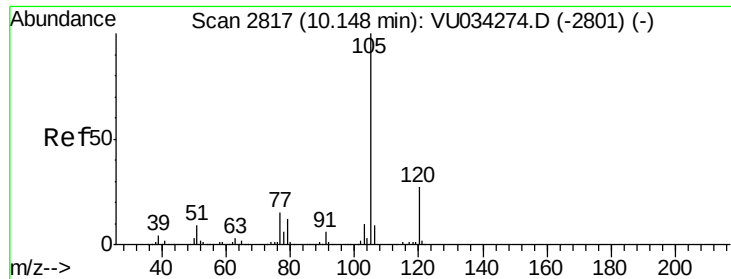
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	77.7	39.1	117.3
150	174.1	0.0	345.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.292 ug/l

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 998647

Ion Ratio Lower Upper

105 100

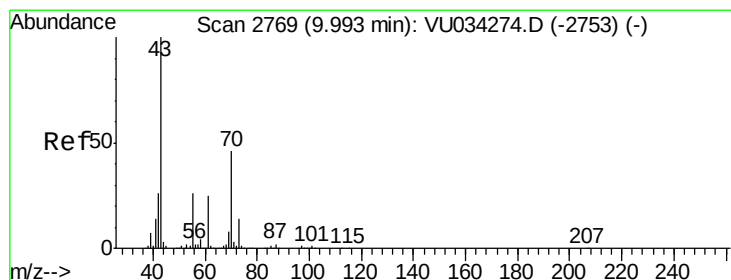
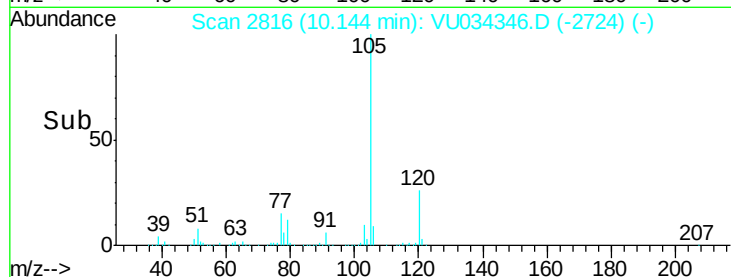
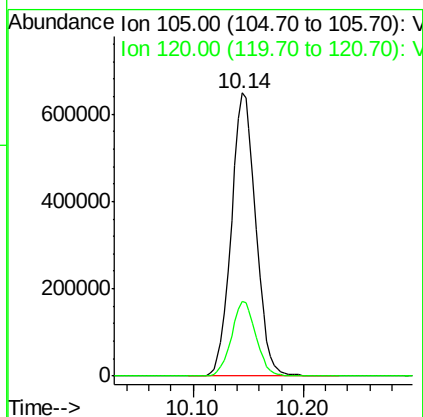
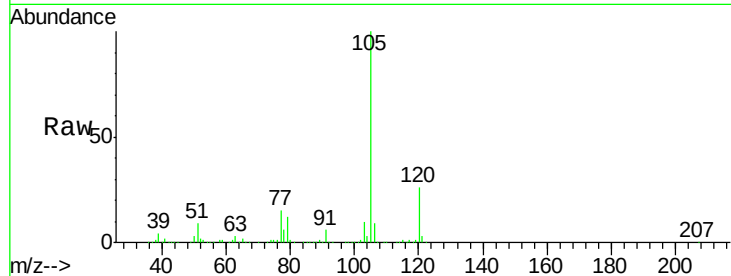
120 26.4 13.4 40.2

Manual Integrations

APPROVED

MMDadoda

9/10/2019 1:30:43 PM



#74

N-ethyl acetate

Concen: 54.265 ug/l

RT: 9.99 min Scan# 2769

Delta R.T. 0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

Tgt Ion: 43 Resp: 417145

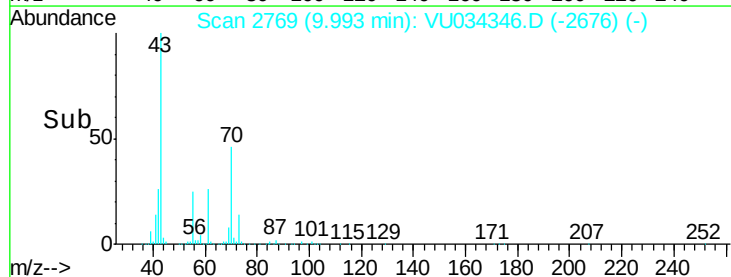
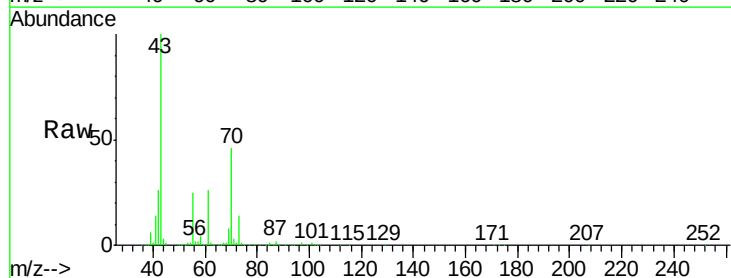
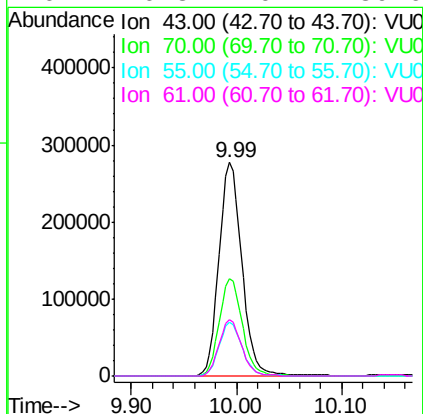
Ion Ratio Lower Upper

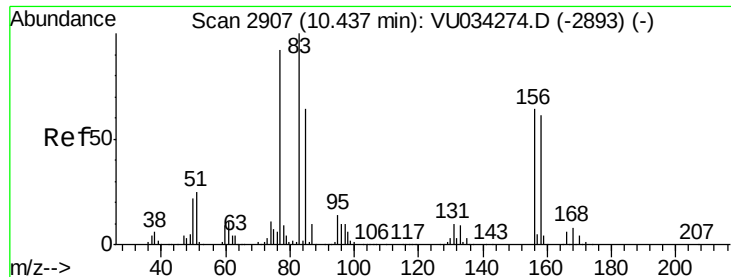
43 100

70 46.1 36.4 54.6

55 25.5 21.2 31.8

61 26.3 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 48.135 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

Instrument :

MSVOA_U

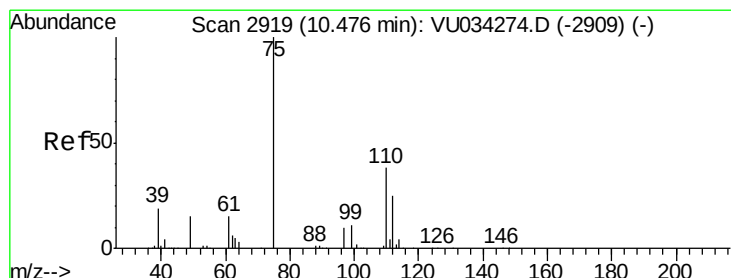
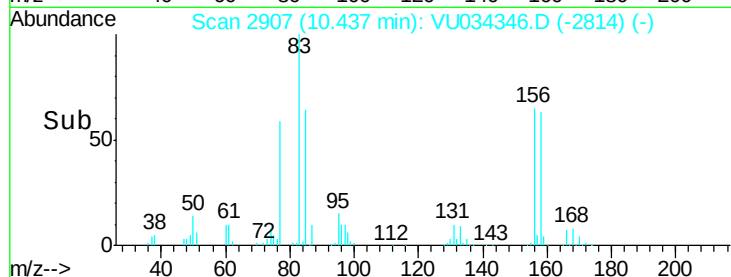
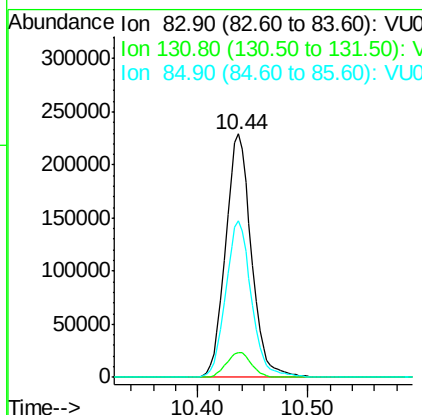
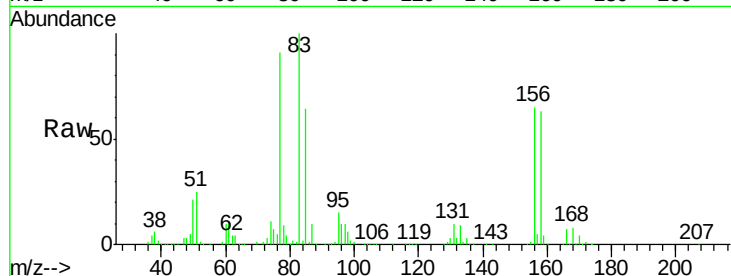
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	372094
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.1	15.2
85	64.1	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
9/10/2019 1:30:43 PM



#76

1,2,3-Trichloropropane

Concen: 51.046 ug/l m

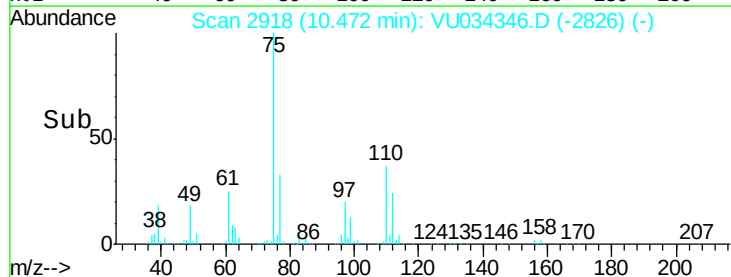
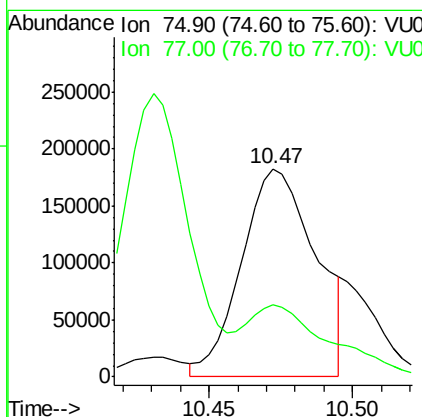
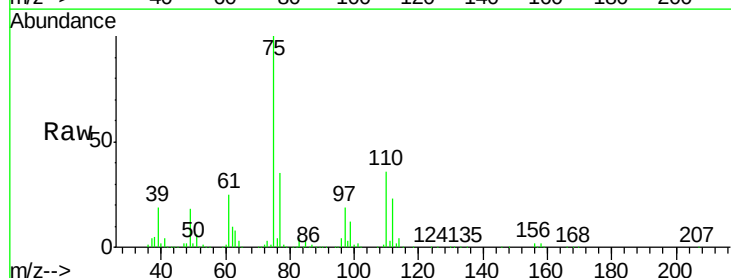
RT: 10.47 min Scan# 2918

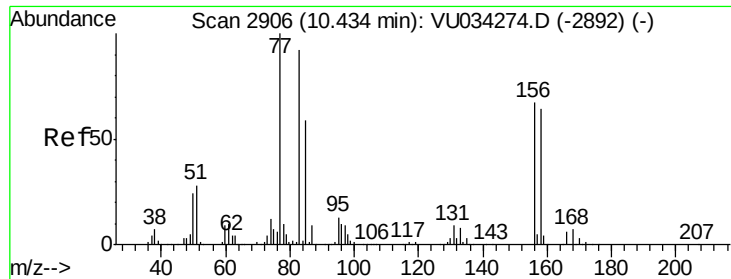
Delta R.T. -0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

Tgt Ion:	75	Resp:	326979
Ion Ratio	Lower	Upper	
75	100		
77	38.3	20.8	62.2





#77

Bromobenzene

Concen: 50.795 ug/l

RT: 10.43 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 156 Resp: 271236

Ion Ratio Lower Upper

156 100

77 147.1 75.6 226.9

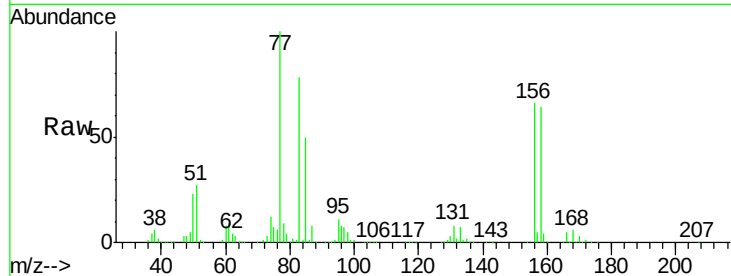
158 98.4 48.2 144.6

Manual Integrations

APPROVED

MMDadoda

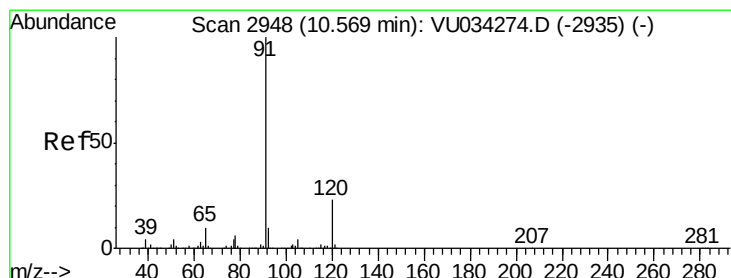
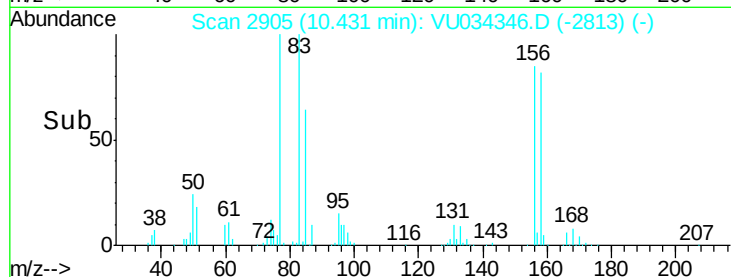
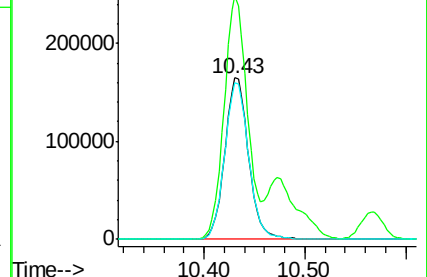
9/10/2019 1:30:43 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.912 ug/l

RT: 10.57 min Scan# 2947

Delta R.T. -0.00 min

Lab File: VU034346.D

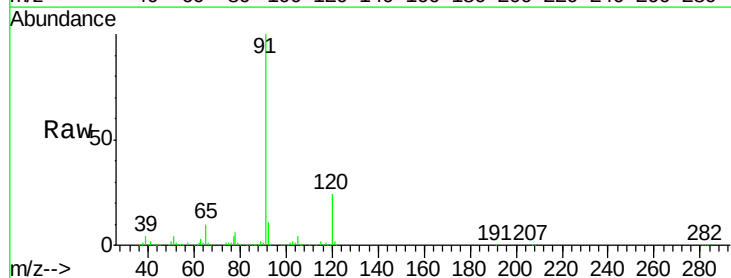
Acq: 06 Sep 2019 21:36

Tgt Ion: 91 Resp: 1144942

Ion Ratio Lower Upper

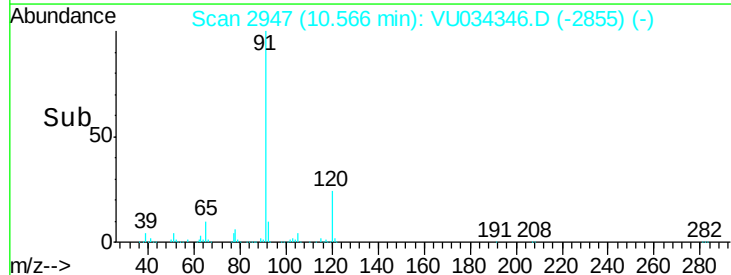
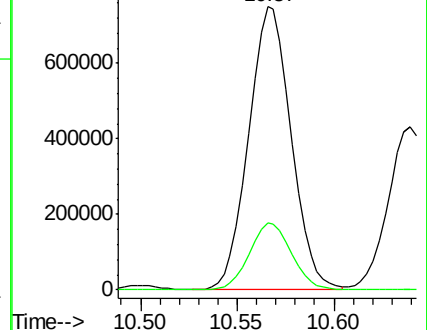
91 100

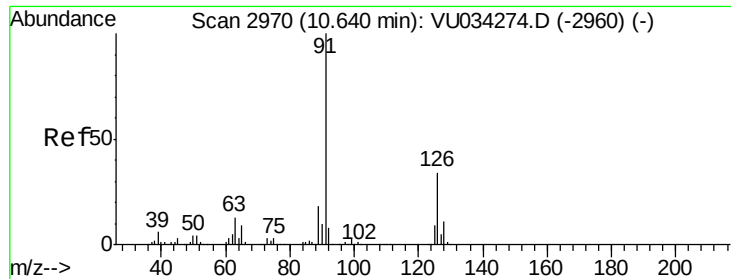
120 23.6 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.049 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. 0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 686991

Ion Ratio Lower Upper

91 100

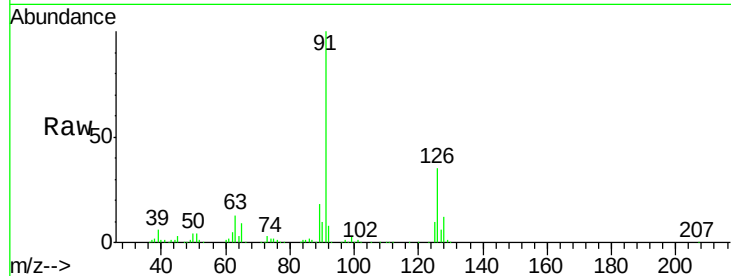
126 34.9 17.3 51.9

Manual Integrations

APPROVED

MMDadoda

9/10/2019 1:30:43 PM



Abundance Ion 91.00 (90.70 to 91.70): VU034346.D (-2977) (-)

Ion 125.90 (125.60 to 126.60): VU034346.D (-2977) (-)

800000

600000

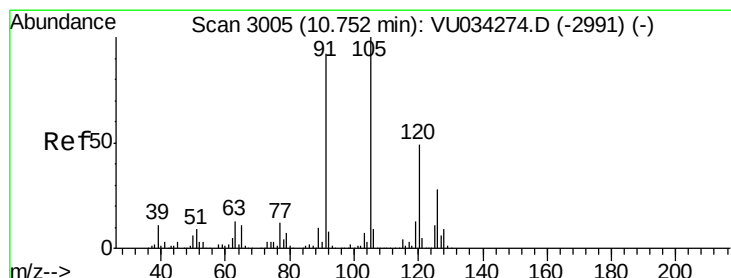
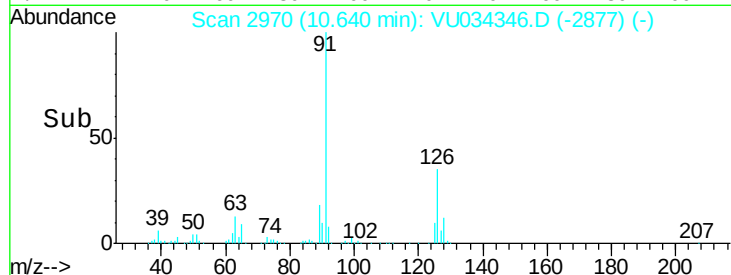
400000

200000

0

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 53.497 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VU034346.D

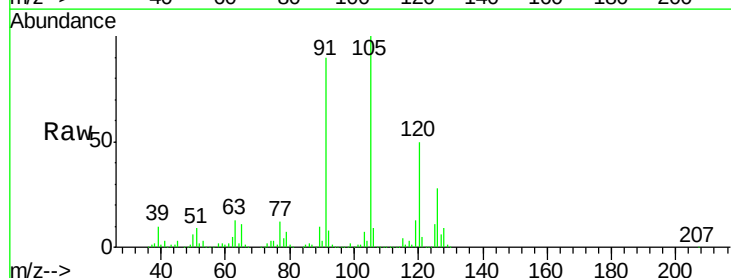
Acq: 06 Sep 2019 21:36

Tgt Ion: 105 Resp: 854447

Ion Ratio Lower Upper

105 100

120 49.6 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): VU034346.D (-2912) (-)

Ion 120.00 (119.70 to 120.70): VU034346.D (-2912) (-)

600000

500000

400000

300000

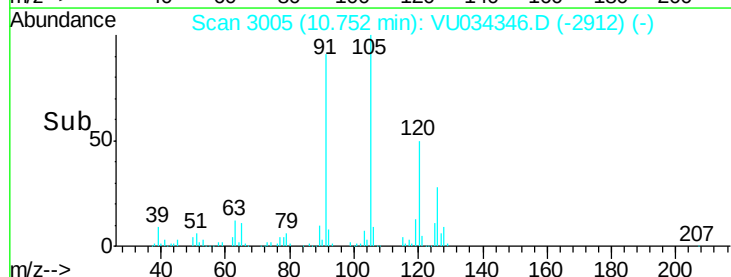
200000

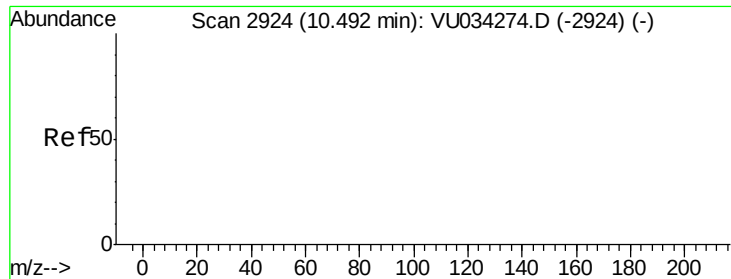
100000

0

10.70 10.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 47.928 ug/l m

RT: 10.49 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VU034346.D

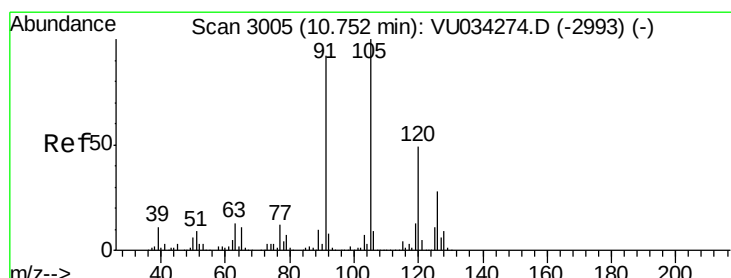
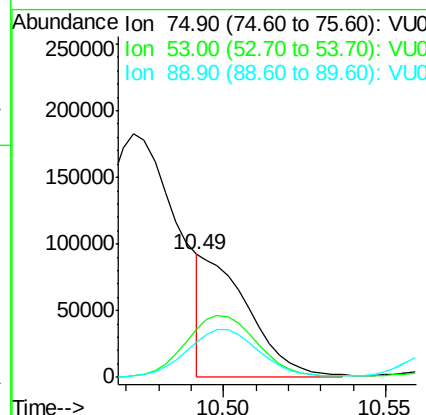
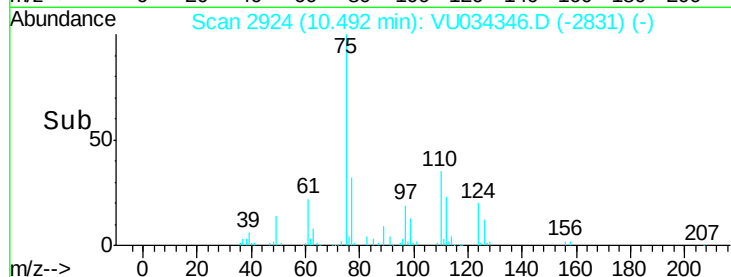
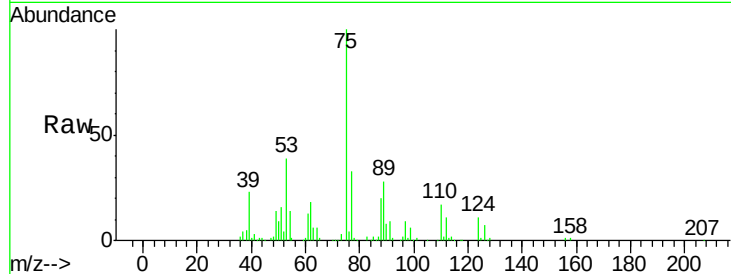
Acq: 06 Sep 2019 21:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

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

Manual Integrations
APPROVED

MMDadoda
9/10/2019 1:30:43 PM



#82

4-Chlorotoluene

Concen: 51.512 ug/l

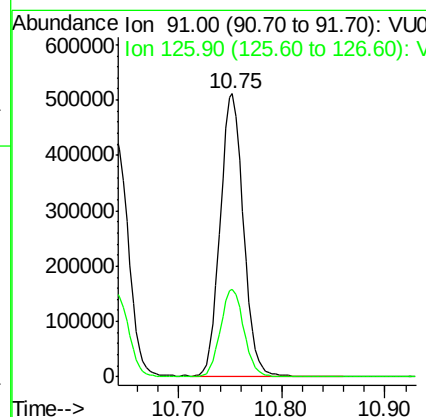
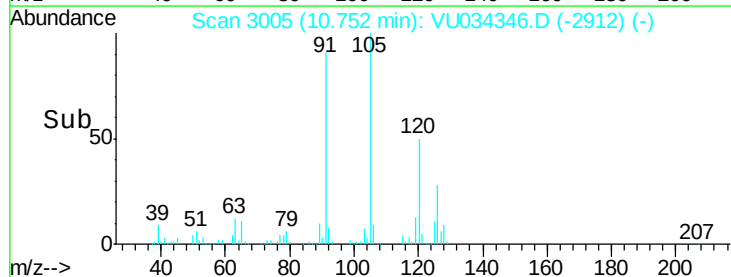
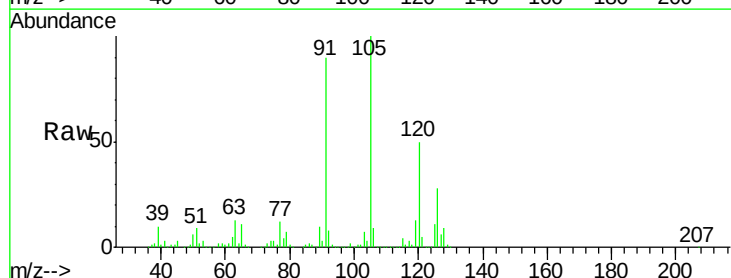
RT: 10.75 min Scan# 3005

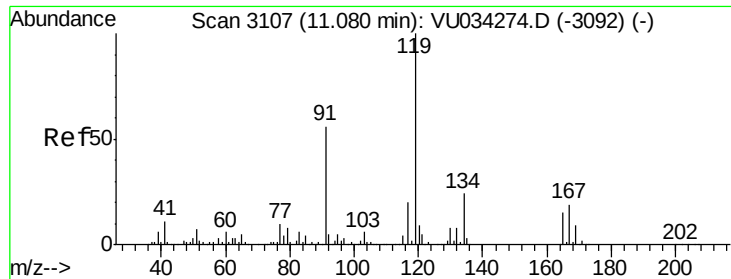
Delta R.T. 0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.3	45.8





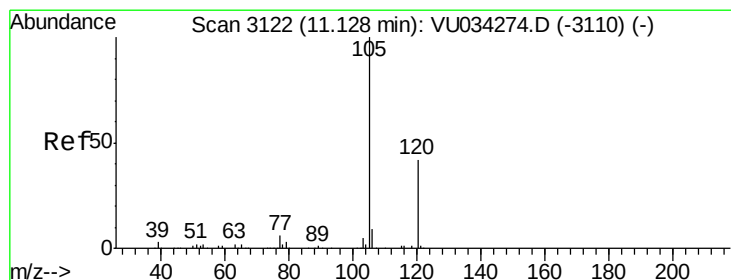
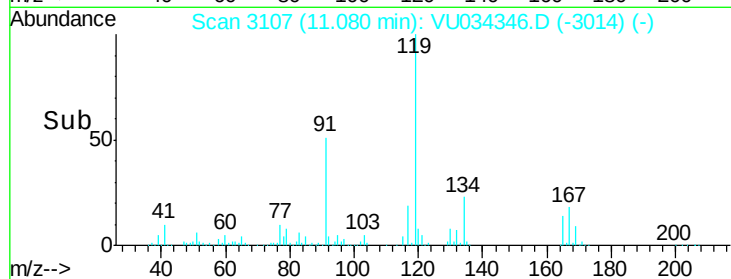
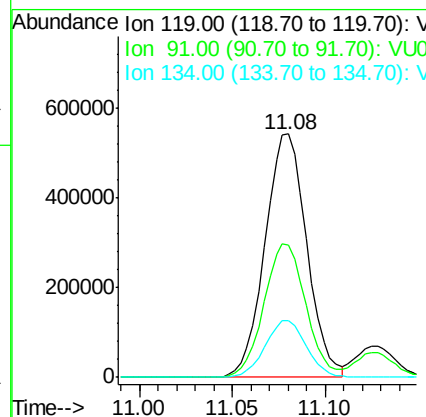
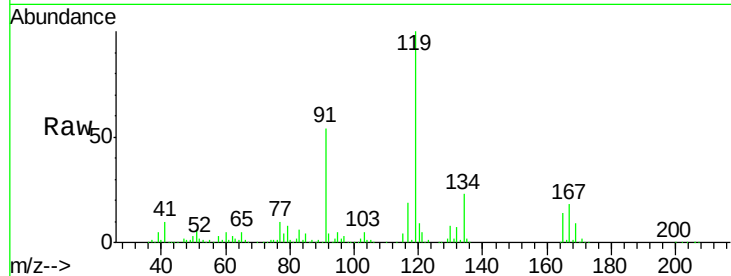
#83
 tert-Butylbenzene
 Concen: 53.187 ug/l
 RT: 11.08 min Scan# 3107
 Delta R.T. 0.00 min
 Lab File: VU034346.D
 Acq: 06 Sep 2019 21:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	849825		
91	54.6		27.8	83.4
134	23.0		11.7	35.0

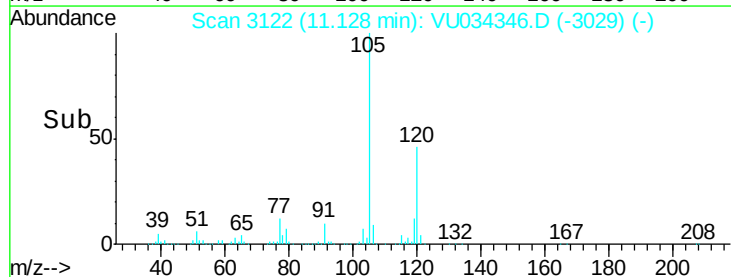
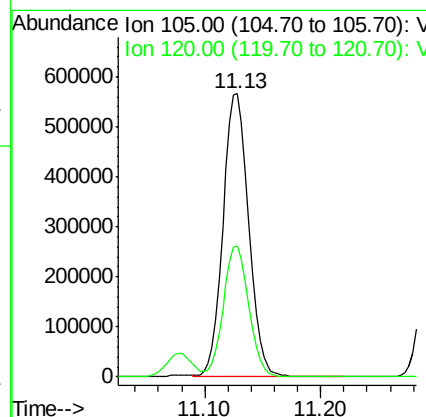
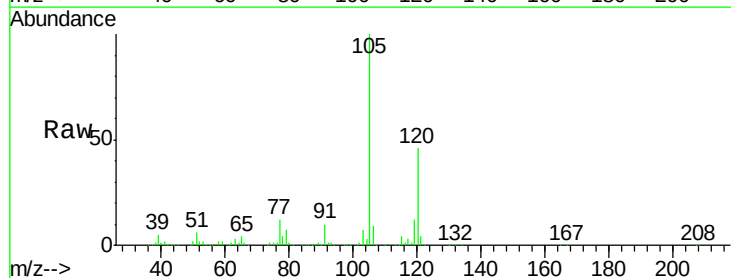
Manual Integrations
 APPROVED

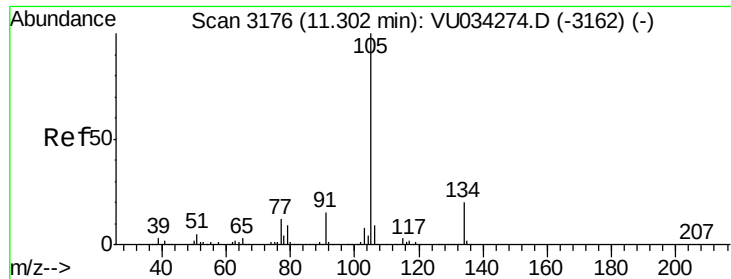
MMDadoda
 9/10/2019 1:30:43 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 53.897 ug/l
 RT: 11.13 min Scan# 3122
 Delta R.T. 0.00 min
 Lab File: VU034346.D
 Acq: 06 Sep 2019 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	866529		
120	45.9		22.9	68.8





#85

sec-Butylbenzene

Concen: 53.163 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. 0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1002825

Ion Ratio Lower Upper

105 100

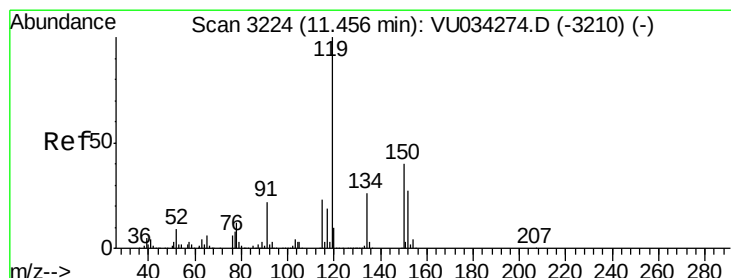
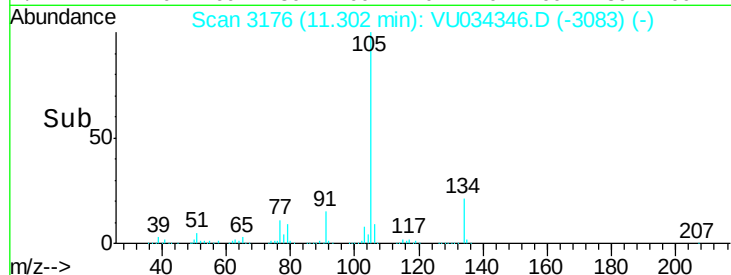
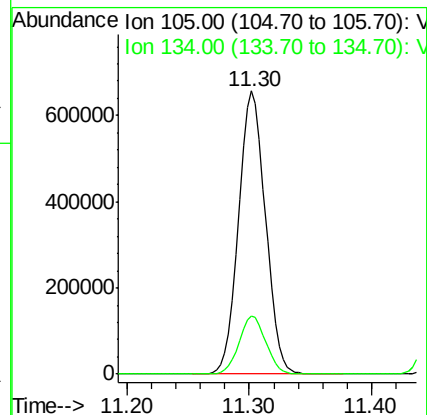
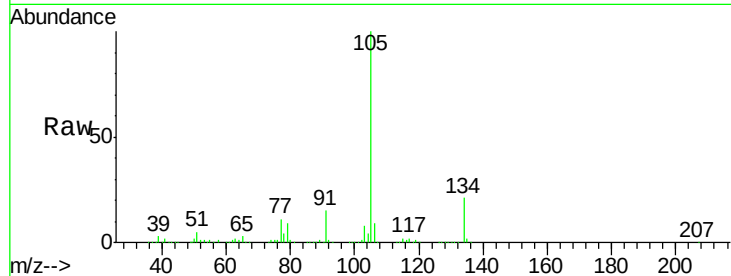
134 20.4 10.1 30.3

Manual Integrations

APPROVED

MMDadoda

9/10/2019 1:30:43 PM



#86

p-Isopropyltoluene

Concen: 53.407 ug/l

RT: 11.45 min Scan# 3223

Delta R.T. -0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

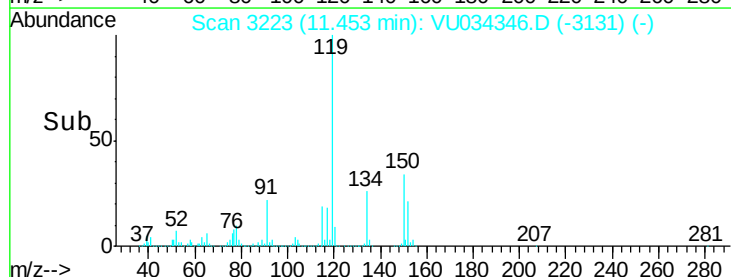
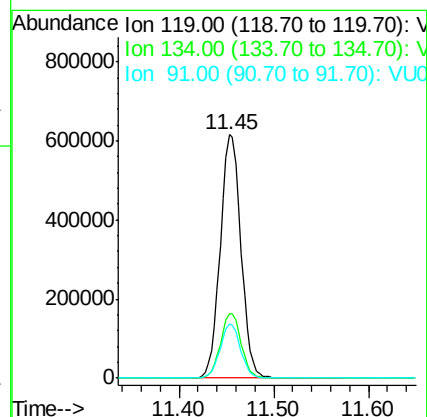
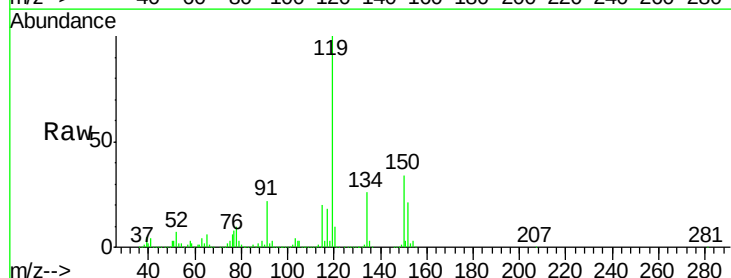
Tgt Ion:119 Resp: 929833

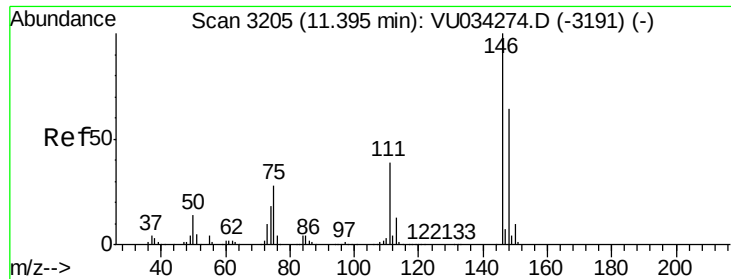
Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

91 22.0 11.2 33.6





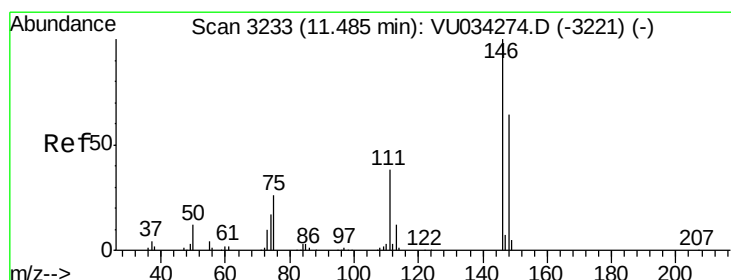
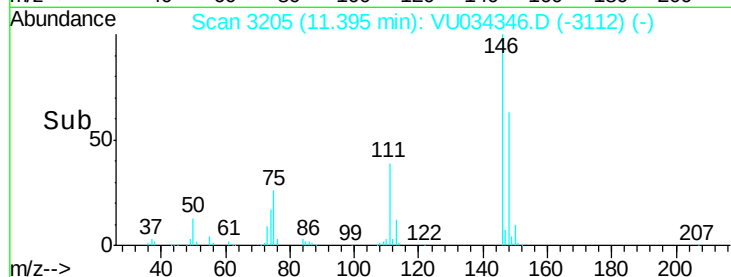
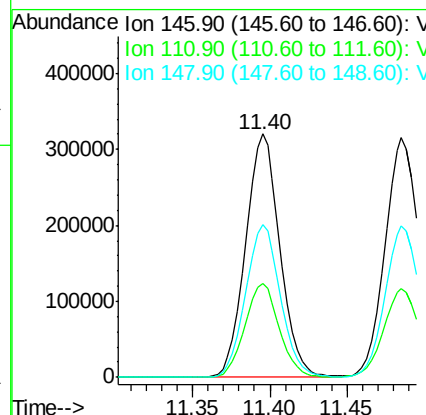
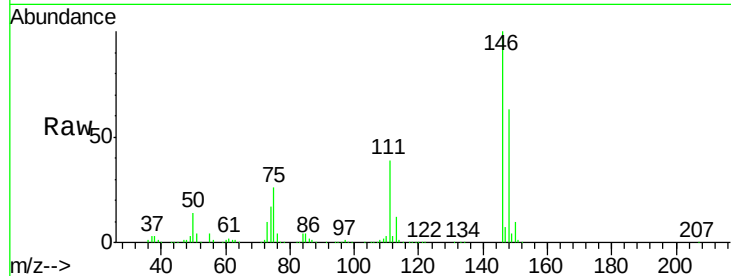
#87
 1,3-Dichlorobenzene
 Concen: 50.739 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU034346.D
 Acq: 06 Sep 2019 21:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.5	58.5
148	63.7	32.1	96.3

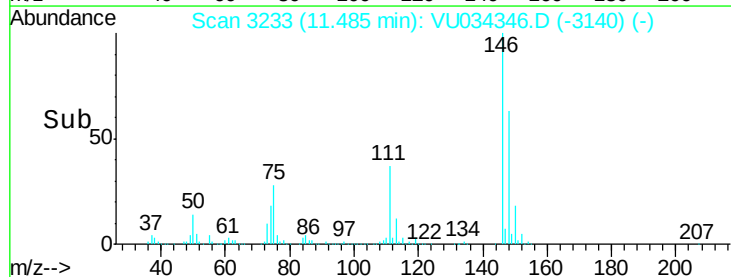
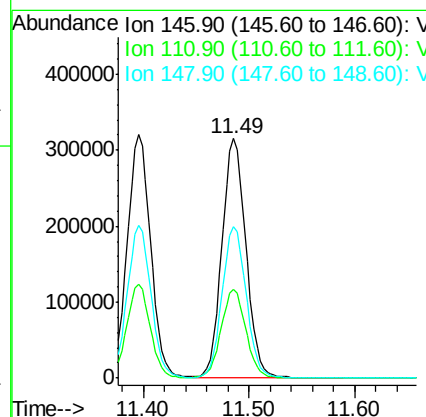
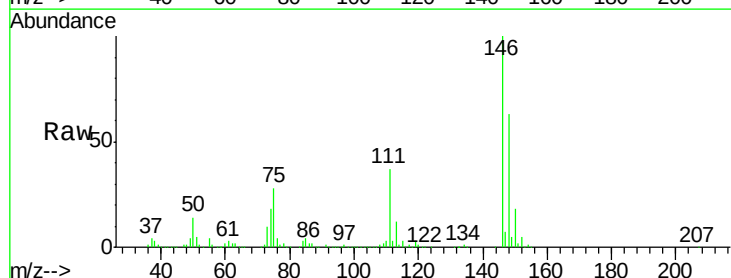
Manual Integrations
 APPROVED

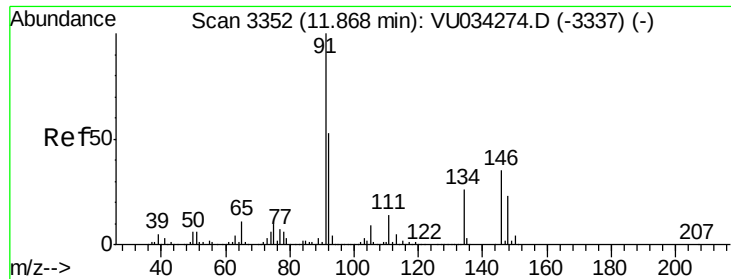
MMDadoda
 9/10/2019 1:30:43 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.947 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. 0.00 min
 Lab File: VU034346.D
 Acq: 06 Sep 2019 21:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.1	57.3
148	63.6	32.0	96.0





#89

n-Butylbenzene

Concen: 53.487 ug/l

RT: 11.87 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

Instrument :

MSVOA_U

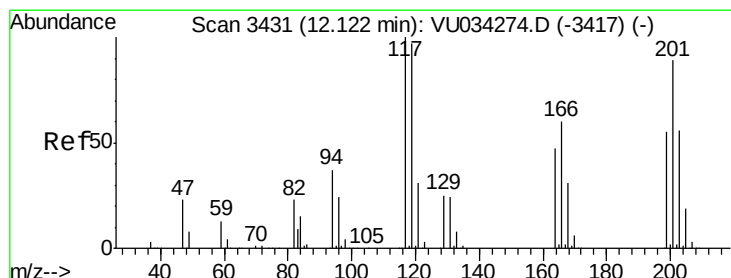
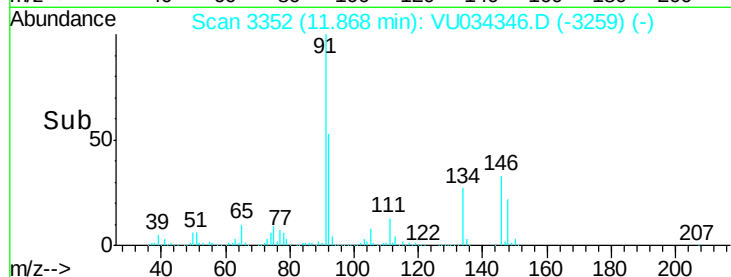
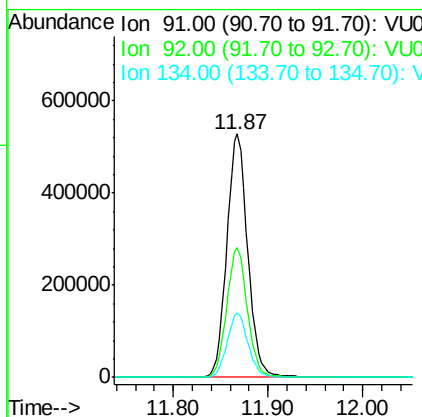
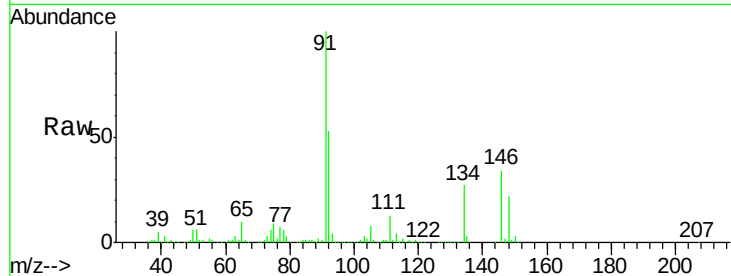
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	809259
Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.5	79.4
134	26.5	13.2	39.6

Manual Integrations
APPROVED

MMDadoda
9/10/2019 1:30:43 PM



#90

Hexachloroethane

Concen: 47.702 ug/l

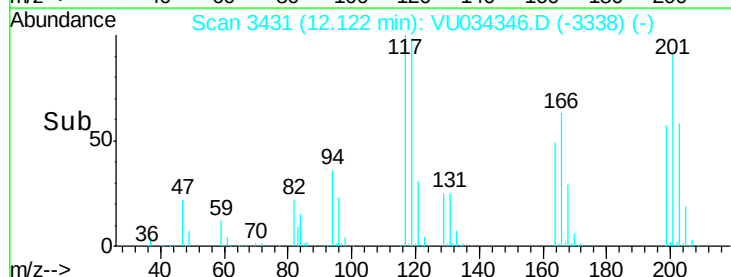
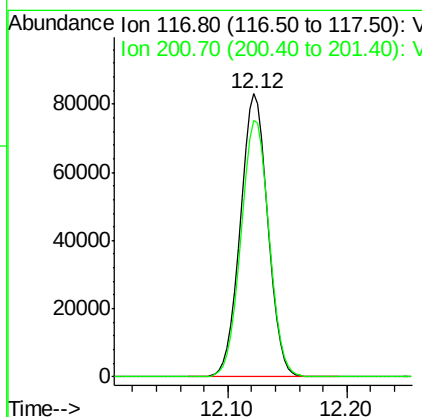
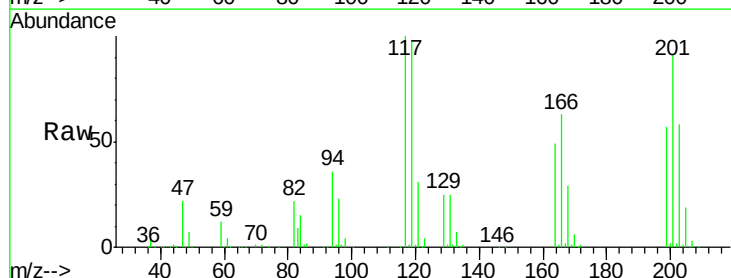
RT: 12.12 min Scan# 3431

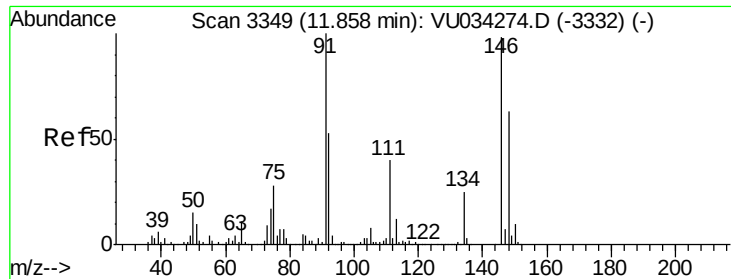
Delta R.T. 0.00 min

Lab File: VU034346.D

Acq: 06 Sep 2019 21:36

Tgt Ion:	117	Resp:	132873
Ion	Ratio	Lower	Upper
117	100		
201	92.6	44.1	132.4





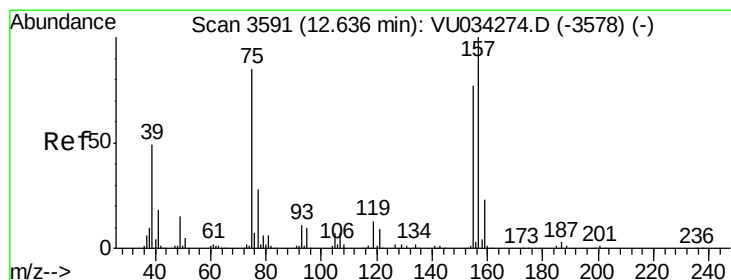
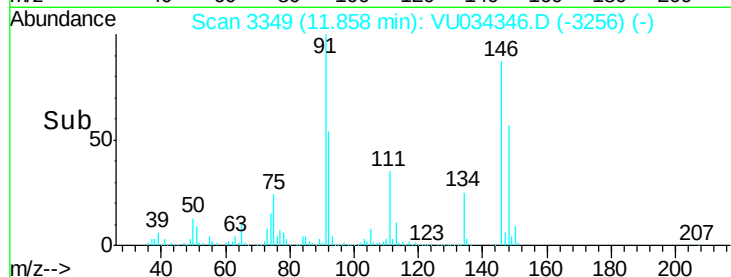
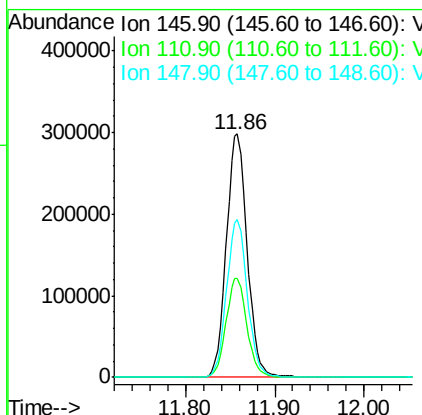
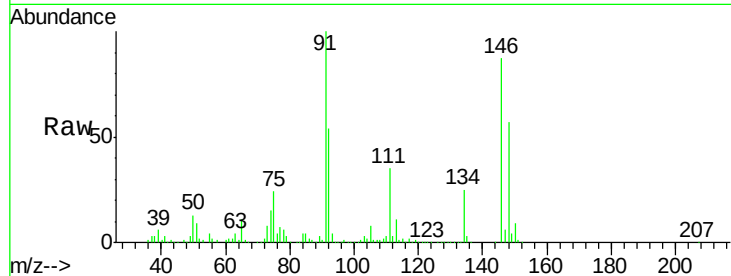
#91
 1,2-Dichlorobenzene
 Concen: 50.374 ug/l
 RT: 11.86 min Scan# 3349
 Delta R.T. 0.00 min
 Lab File: VU034346.D
 Acq: 06 Sep 2019 21:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	482398		
111	40.6		20.0	60.0
148	64.7		31.6	94.8

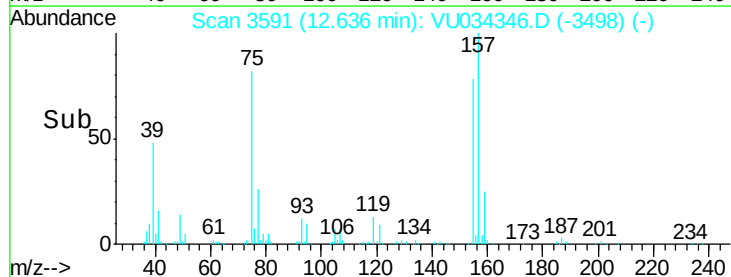
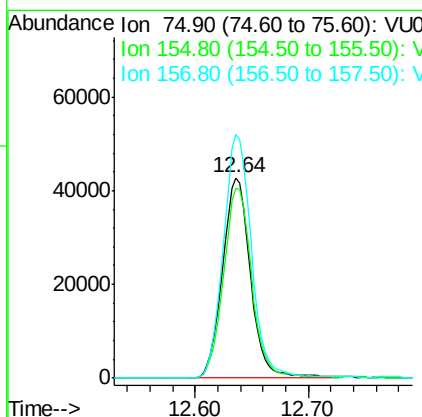
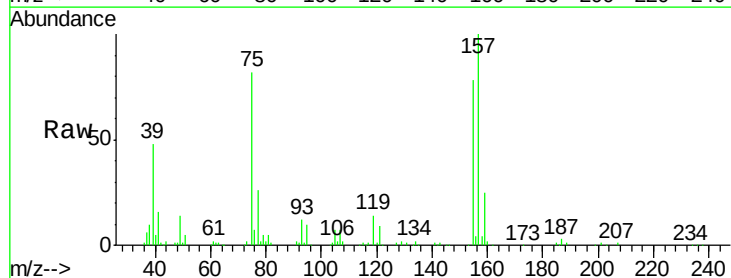
Manual Integrations
 APPROVED

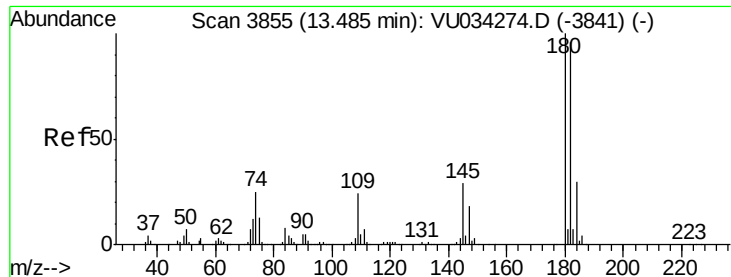
MMDadoda
 9/10/2019 1:30:43 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.065 ug/l
 RT: 12.64 min Scan# 3591
 Delta R.T. 0.00 min
 Lab File: VU034346.D
 Acq: 06 Sep 2019 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	73957		
155	96.0		44.6	134.0
157	121.7		58.2	174.6





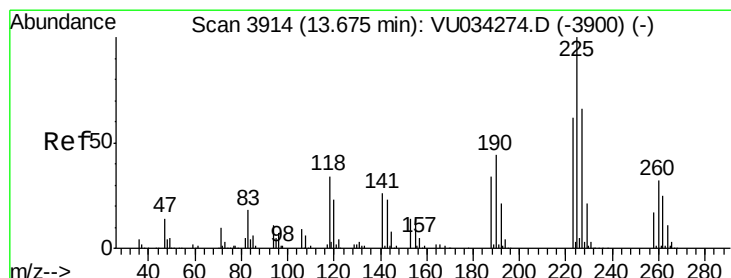
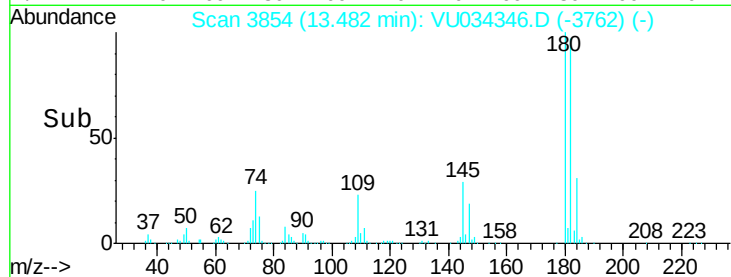
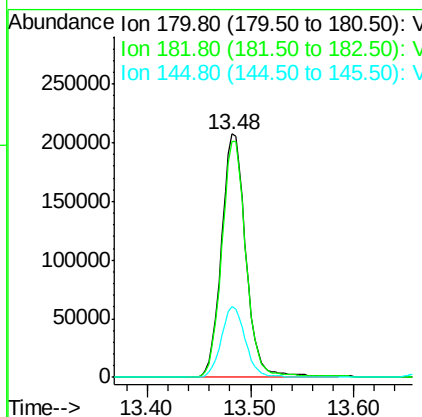
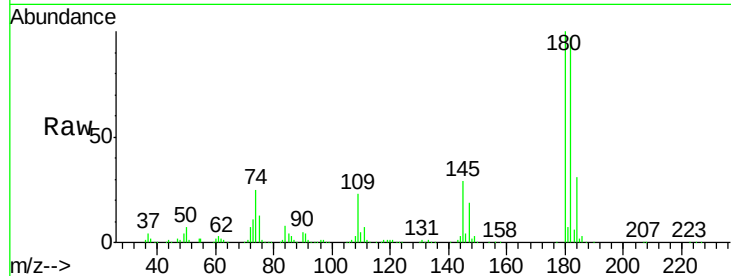
#93
 1,2,4-Trichlorobenzene
 Concen: 49.274 ug/l
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034346.D
 Acq: 06 Sep 2019 21:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	341845		
182	97.0	47.9	143.8	
145	28.8	14.4	43.0	

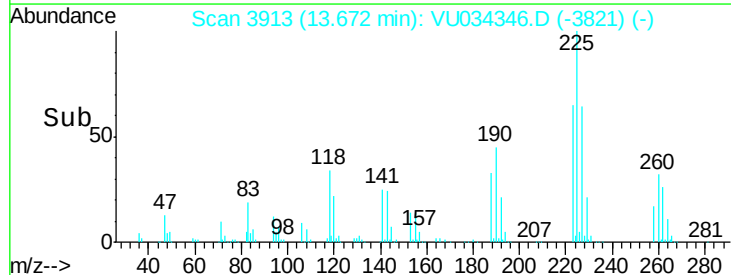
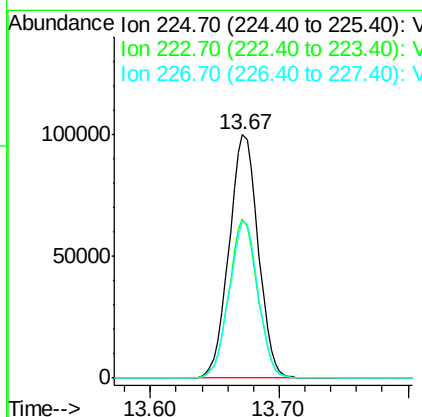
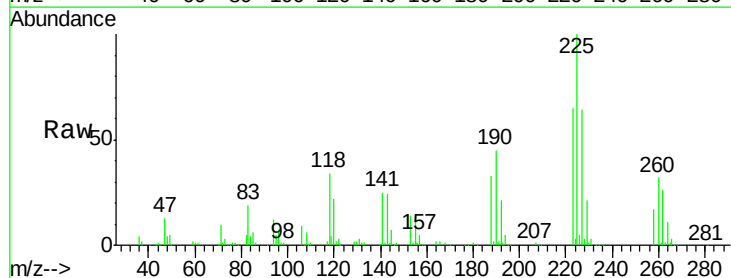
Manual Integrations
 APPROVED

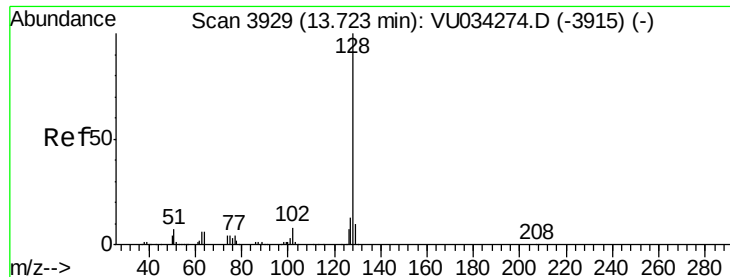
MMDadoda
 9/10/2019 1:30:43 PM



#94
 Hexachlorobutadiene
 Concen: 46.768 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. -0.00 min
 Lab File: VU034346.D
 Acq: 06 Sep 2019 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	156662		
223	64.1	31.6	94.7	
227	63.9	32.3	96.8	





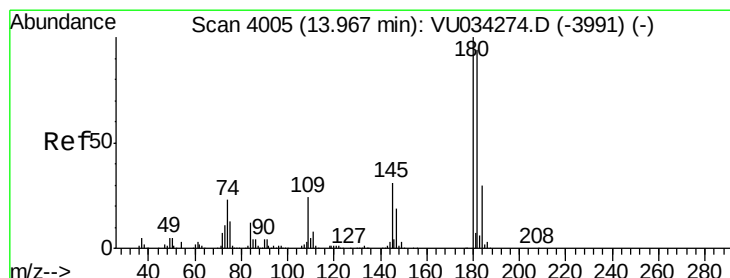
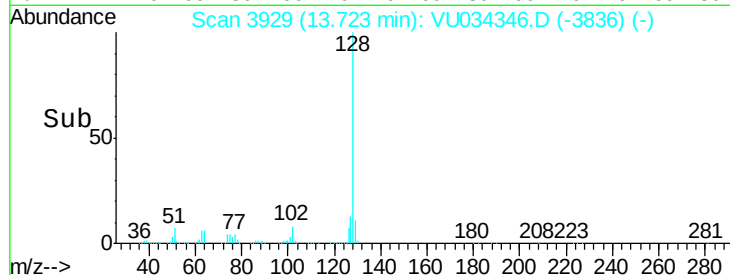
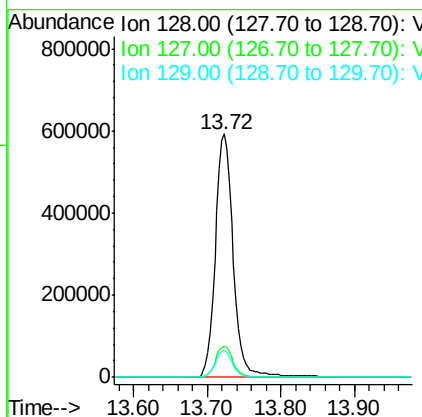
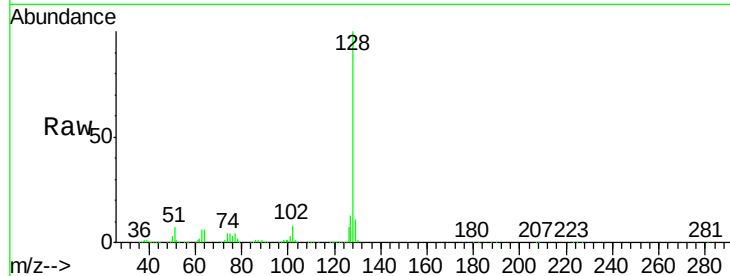
#95
Naphthalene
Concen: 50.876 ug/l
RT: 13.72 min Scan# 3929
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	996525		
127	12.7	10.6	15.8	
129	10.7	8.4	12.6	

Manual Integrations
APPROVED

MMDadoda
9/10/2019 1:30:43 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.300 ug/l
RT: 13.97 min Scan# 4005
Delta R.T. 0.00 min
Lab File: VU034346.D
Acq: 06 Sep 2019 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	337544		
182	95.1	48.4	145.0	
145	30.8	15.4	46.4	

