

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U071119\
 Data File : VU033200.D
 Acq On : 11 Jul 2019 19:09
 Operator : JC/SP
 Sample : VSTDIC015
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

MMDadoda

7/16/2019 4:03:28 PM

Quant Time: Jul 12 04:54:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U071119DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 12 04:10:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.72	96	35621	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.29	95	14134	1.01	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	15647	1.08	ug/l	0.00
Spiked Amount 1.000			Recovery	=	108.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	204728	13.824	ug/l	99
3) Chloromethane	1.32	50	227372	13.475	ug/l	99
4) Vinyl Chloride	1.40	62	241319	13.473	ug/l	100
5) Bromomethane	1.61	94	127293	12.761	ug/l	99
6) Chloroethane	1.68	64	146239	13.010	ug/l	99
7) Trichlorofluoromethane	1.87	101	326041	13.436	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.27	101	169043	13.785	ug/l	98
9) 1,1-Dichloroethene	2.27	96	165558	13.318	ug/l	99
10) Iodomethane	2.40	142	224216	13.502	ug/l	98
11) Allyl Chloride	2.58	41	279664	13.059	ug/l	100
12) Acrylonitrile	2.92	53	92379	26.675	ug/l	99
13) Acetone	2.31	43	189643	61.887	ug/l	100
14) Carbon Disulfide	2.46	76	609994	13.259	ug/l	99
15) Methylene Chloride	2.68	84	200823	12.537	ug/l	99
16) trans-1,2-Dichloroethene	2.96	96	189707	13.265	ug/l	99
17) 1,1-Dichloroethane	3.42	63	282906	13.448	ug/l	100
18) 2-Butanone	4.25	43	219272	79.847	ug/l	98
19) Cyclohexane	4.97	56	240173m	15.136	ug/l	
20) Methylcyclohexane	6.39	83	266594	16.935	ug/l	98
21) 2,2-Dichloropropane	4.20	77	231921	12.641	ug/l	99
22) cis-1,2-Dichloroethene	4.20	96	169017	14.491	ug/l	99
23) Diethyl Ether	2.09	59	145937	13.907	ug/l	99
24) tert-Butyl Alcohol	2.82	59	177397	132.768	ug/l	99
25) Methyl tert-Butyl Ether	2.98	73	495443	13.989	ug/l	100
26) Bromochloromethane	4.52	128	70545	13.577	ug/l	99
27) Chloroform	4.65	83	293777	12.513	ug/l	98
28) 1,1,1-Trichloroethane	4.89	97	252090	13.704	ug/l	99
29) 1,1-Dichloropropene	5.11	75	223447	14.679	ug/l	99
30) Carbon Tetrachloride	5.11	117	222516	13.529	ug/l	98
31) Isopropyl Ether	3.56	45	407398	14.660	ug/l	99
32) Ethyl-t-butyl ether	4.05	59	409064	15.440	ug/l	98
33) Tert-Amyl methyl ether	5.56	73	385652	16.144	ug/l	99
34) Propionitrile	4.31	54	64322	80.910	ug/l	99
35) Benzene	5.36	78	636682	14.380	ug/l	100
36) 1,2-Dichloroethane	5.38	62	198664	13.896	ug/l	100
37) Trichloroethene	6.16	130	167028	14.620	ug/l	97
38) 1,2-Dichloropropane	6.41	63	169571	13.906	ug/l	98
39) Methacrylonitrile	4.52	41	51994	15.765	ug/l	97
40) Methyl acrylate	4.40	55	82815	16.645	ug/l	98
41) Tetrahydrofuran	4.63	42	53930	32.058	ug/l	98
42) 1-Chlorobutane	5.04	56	302157	14.606	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071119\
 Data File : VU033200.D
 Acq On : 11 Jul 2019 19:09
 Operator : JC/SP
 Sample : VSTDIC015
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

MMDadoda

7/16/2019 4:03:28 PM

Quant Time: Jul 12 04:54:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U071119DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 12 04:10:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.54	93	91194	14.258	ug/l	99
44) Bromodichloromethane	6.74	83	220036	13.818	ug/l	97
45) 4-Methyl-2-Pentanone	7.45	43	555280	81.828	ug/l	99
46) t-1,4-Dichloro-2-butene	10.50	75	101987m	33.289	ug/l	
47) Methyl methacrylate	6.61	69	167701	33.785	ug/l	99
48) Ethyl methacrylate	8.00	69	160281	17.441	ug/l	98
49) Toluene	7.62	92	399465	15.316	ug/l	99
50) t-1,3-Dichloropropene	7.86	75	211064	15.364	ug/l	100
51) cis-1,3-Dichloropropene	7.25	75	242911	15.041	ug/l	100
52) 1,1,2-Trichloroethane	8.05	97	127923	14.506	ug/l	99
53) 1,3-Dichloropropane	8.22	76	219384	14.808	ug/l	99
54) 2-Hexanone	8.35	43	399292	86.400	ug/l	99
55) Dibromochloromethane	8.46	129	150521	14.613	ug/l	99
56) 1,2-Dibromoethane	8.57	107	120280	14.916	ug/l	100
58) Tetrachloroethene	8.21	164	153410	14.654	ug/l	99
59) Chlorobenzene	9.10	112	453023	15.602	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.19	131	160923	14.476	ug/l	99
61) Pentachloroethane	11.09	117	128906	14.274	ug/l	98
62) Hexachloroethane	12.13	117	128045	14.766	ug/l	95
63) Ethyl Benzene	9.23	91	786309	16.439	ug/l	99
64) m/p-Xylenes	9.36	106	622753	33.413	ug/l	99
65) o-Xylene	9.76	106	297431	16.618	ug/l	98
66) Styrene	9.77	104	515406	17.102	ug/l	100
67) Bromoform	9.94	173	89179	15.814	ug/l	99
69) Isopropylbenzene	10.15	105	787953	16.859	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.44	83	173844	14.901	ug/l	99
71) 1,2,3-Trichloropropane	10.48	75	127225m	15.150	ug/l	
72) Bromobenzene	10.44	156	191389	16.045	ug/l	97
73) n-propylbenzene	10.57	120	225726	17.369	ug/l	99
74) 2-Chlorotoluene	10.65	126	191587	16.122	ug/l	98
75) 1,3,5-Trimethylbenzene	10.76	105	699608	16.898	ug/l	99
76) 4-Chlorotoluene	10.76	126	199077	15.984	ug/l	95
77) tert-Butylbenzene	11.08	119	663531	16.809	ug/l	99
78) 1,2,4-Trimethylbenzene	11.13	105	713367	17.010	ug/l	100
79) sec-Butylbenzene	11.31	105	897450	16.632	ug/l	99
80) Nitrobenzene	12.85	77	35564	123.210	ug/l #	95
81) p-Isopropyltoluene	11.46	119	758874	17.473	ug/l	99
82) 1,3-Dichlorobenzene	11.40	146	389110	15.526	ug/l	99
83) 1,4-Dichlorobenzene	11.49	146	396673	16.058	ug/l	100
84) n-Butylbenzene	11.87	91	741384	17.473	ug/l	99
85) 1,2-Dichlorobenzene	11.86	146	369524	15.922	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.64	75	28843	16.013	ug/l	95
87) 1,2,4-Trichlorobenzene	13.49	180	252810	19.786	ug/l	99
88) Hexachlorobutadiene	13.68	225	134572	16.236	ug/l	99
89) Naphthalene	13.73	128	494071	23.026	ug/l	100
90) 1,2,3-Trichlorobenzene	13.97	180	240451	19.352	ug/l	99

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU071119\
 Data File : VU033200.D
 Acq On : 11 Jul 2019 19:09
 Operator : JC/SP
 Sample : VSTDIC015
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

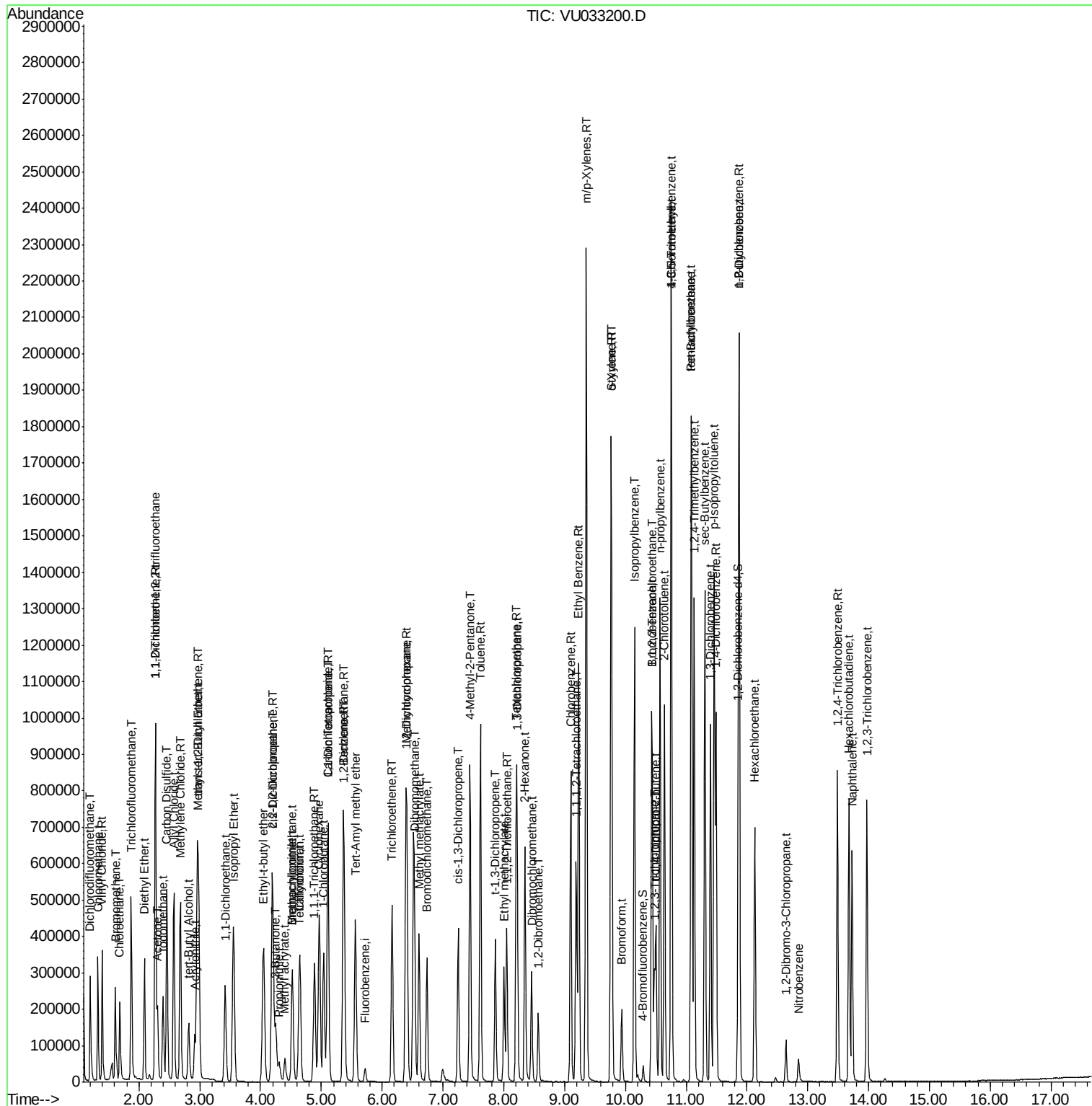
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

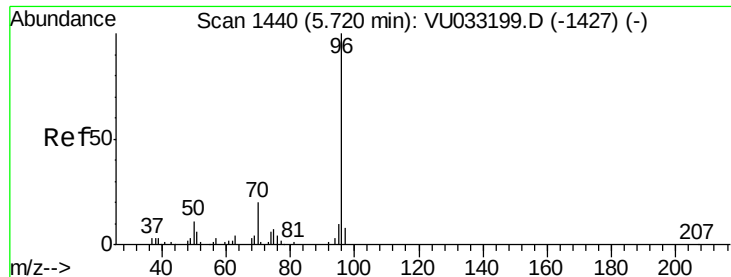
Manual Integrations
 APPROVED

MMDadoda

7/16/2019 4:03:28 PM

Quant Time: Jul 12 04:54:26 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA U\METHOD\524U071119DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 12 04:10:37 2019
 Response via : Initial Calibration





#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.72 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VU033200.D

Acq: 11 Jul 2019 19:09

Instrument :

MSVOA_U

ClientSampled :

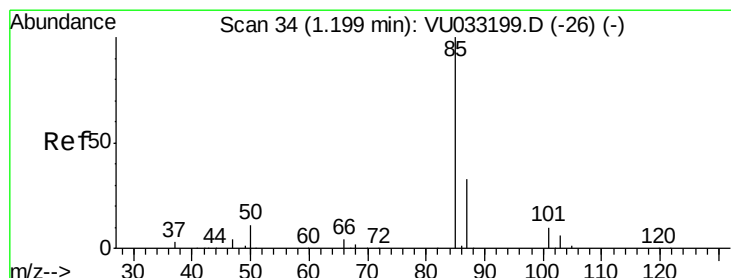
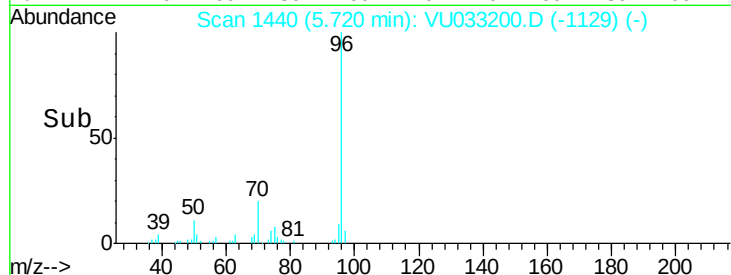
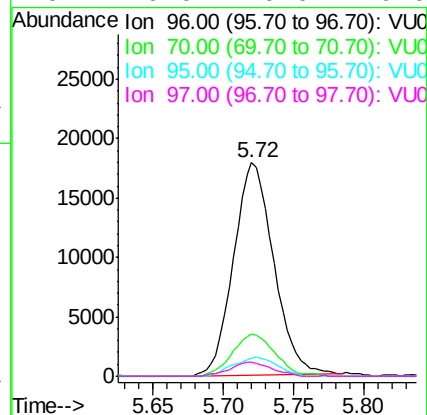
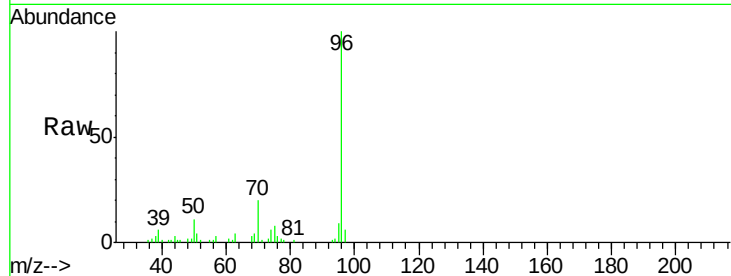
VSTDIC015

Tot Ion	96	Resp:	35621
Ion	Ratio	Lower	Upper
96	100		
70	21.2	16.2	24.4
95	9.7	7.8	11.8
97	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda

7/16/2019 4:03:28 PM



#2

Dichlorodifluoromethane

Concen: 13.824 ug/l

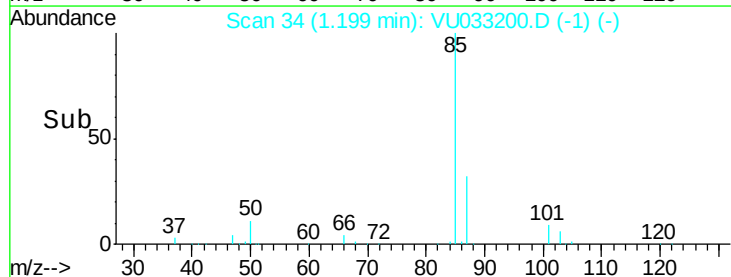
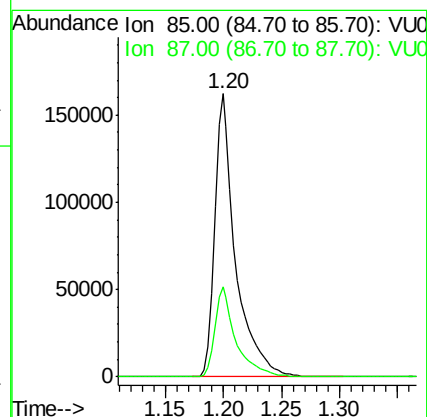
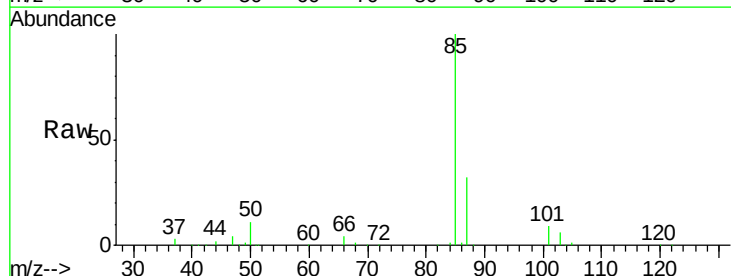
RT: 1.20 min Scan# 34

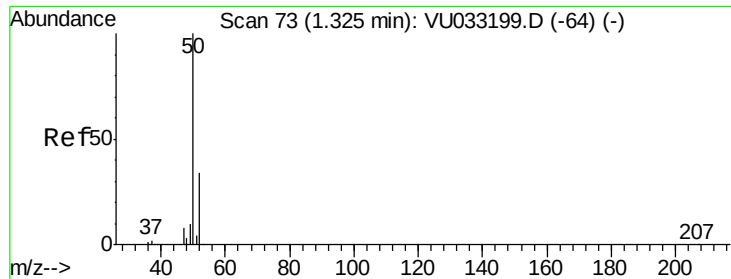
Delta R.T. -0.00 min

Lab File: VU033200.D

Acq: 11 Jul 2019 19:09

Tgt Ion	85	Resp:	204728
Ion	Ratio	Lower	Upper
85	100		
87	31.9	16.4	49.1





#3

Chloromethane

Concen: 13.475 ug/l

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU033200.D

Acq: 11 Jul 2019 19:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion: 50 Resp: 227372

Ion Ratio Lower Upper

50 100

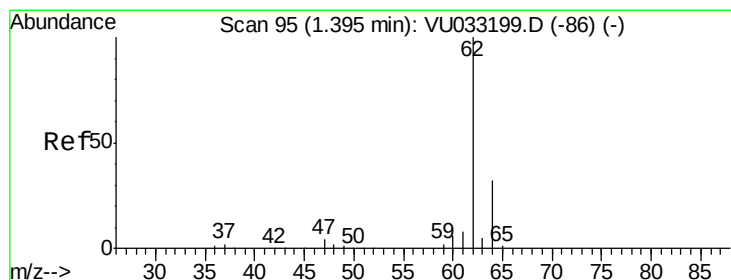
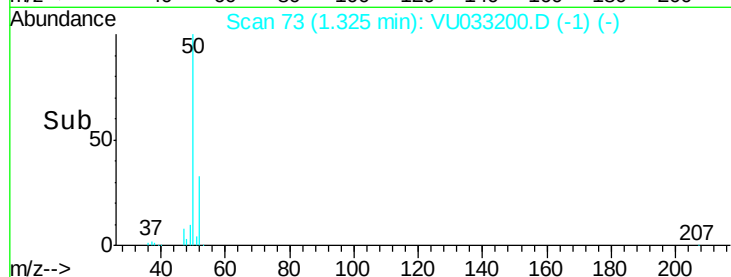
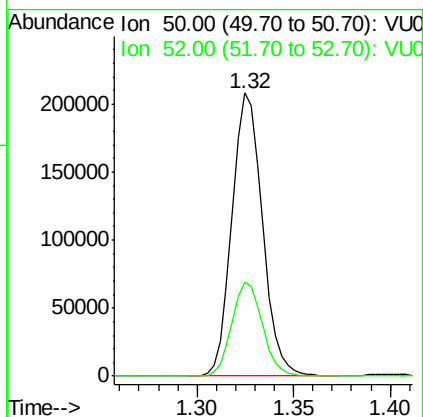
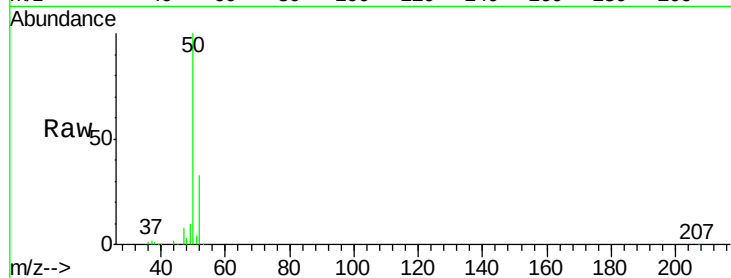
52 33.2 27.0 40.4

Manual Integrations

APPROVED

MMDadoda

7/16/2019 4:03:28 PM



#4

Vinyl Chloride

Concen: 13.473 ug/l

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU033200.D

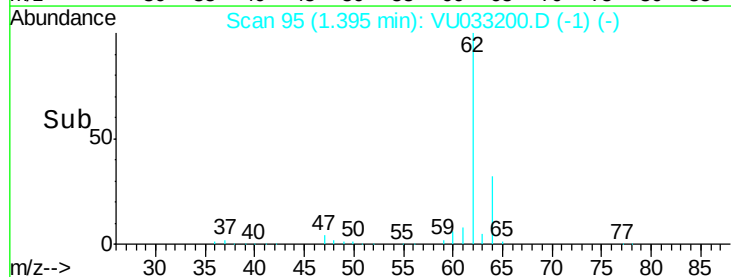
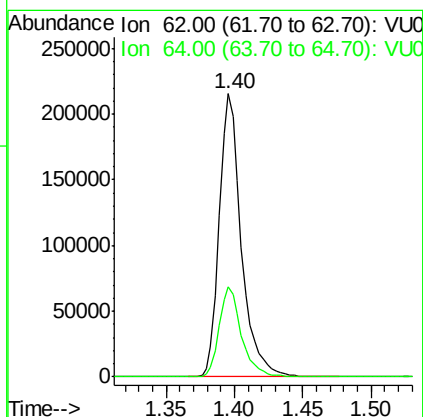
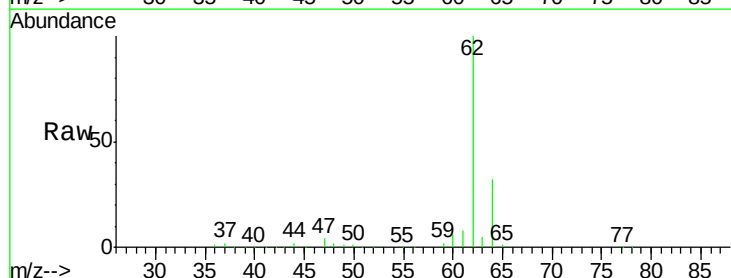
Acq: 11 Jul 2019 19:09

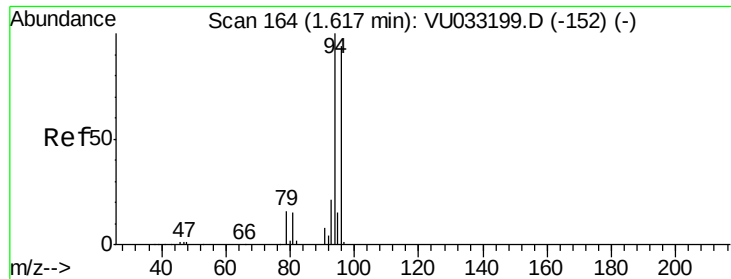
Tgt Ion: 62 Resp: 241319

Ion Ratio Lower Upper

62 100

64 31.9 25.7 38.5





#5

Bromomethane

Concen: 12.761 ug/l

RT: 1.61 min Scan# 162

Delta R.T. -0.01 min

Lab File: VU033200.D

Acq: 11 Jul 2019 19:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion: 94 Resp: 127293

Ion Ratio Lower Upper

94 100

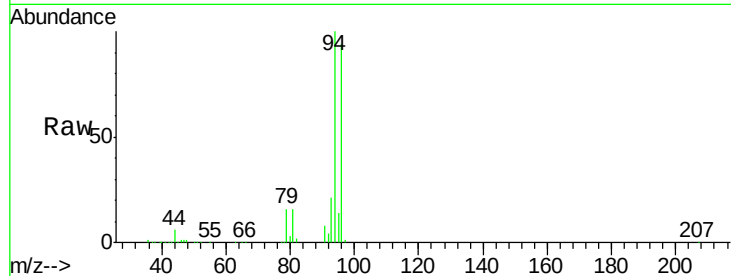
96 94.6 74.8 112.2

Manual Integrations

APPROVED

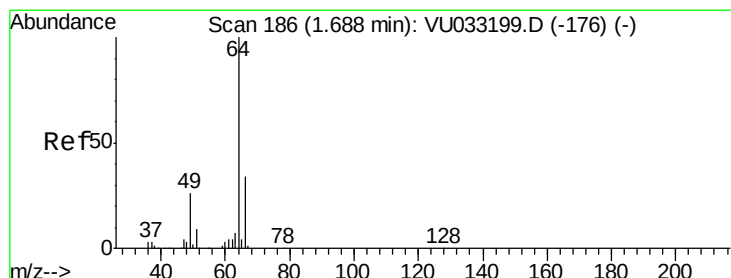
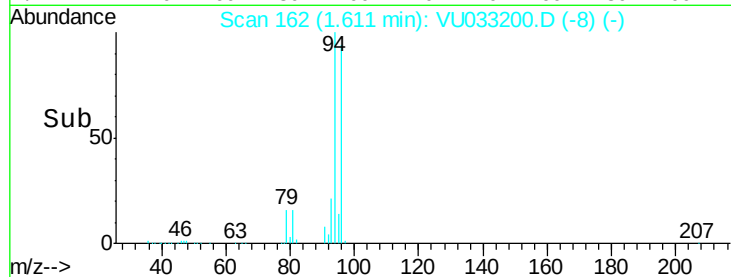
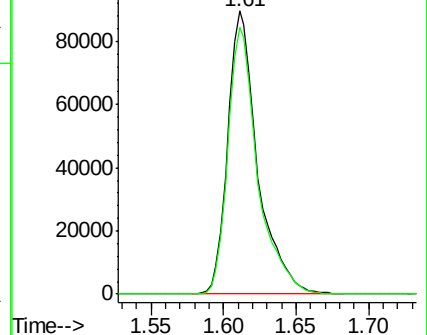
MMDadoda

7/16/2019 4:03:28 PM



Abundance Ion 94.00 (93.70 to 94.70): VU033200.D (-162) (-)

Ion 96.00 (95.70 to 96.70): VU033200.D (-162) (-)



#6

Chloroethane

Concen: 13.010 ug/l

RT: 1.68 min Scan# 185

Delta R.T. -0.00 min

Lab File: VU033200.D

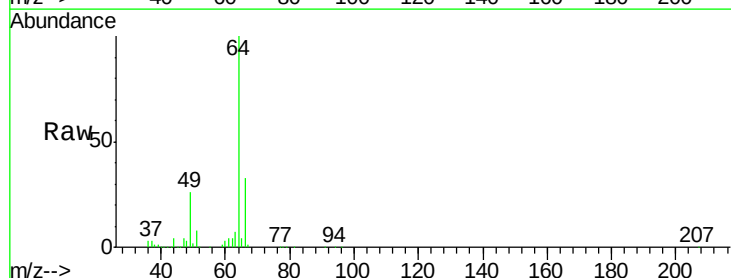
Acq: 11 Jul 2019 19:09

Tgt Ion: 64 Resp: 146239

Ion Ratio Lower Upper

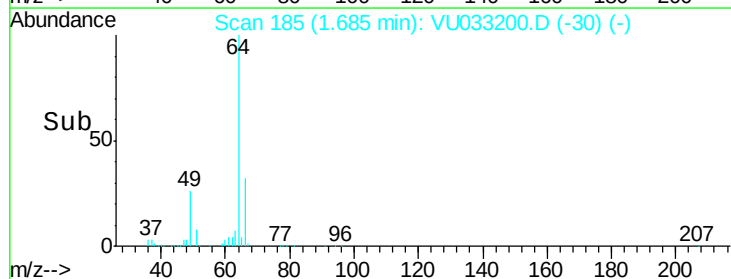
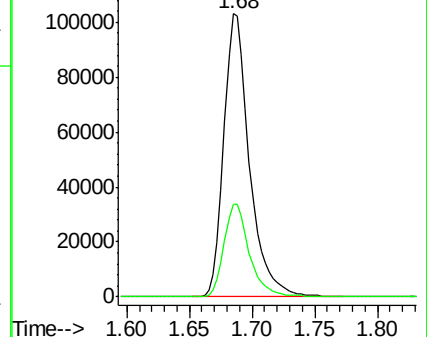
64 100

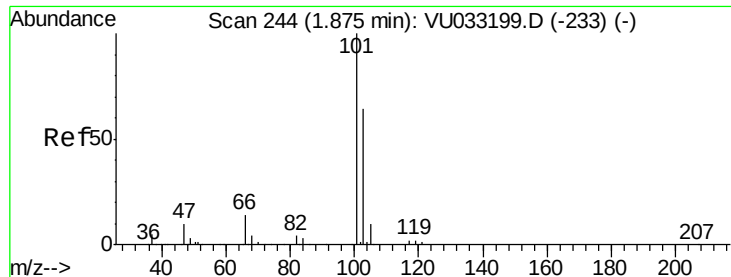
66 32.9 27.0 40.4



Abundance Ion 64.00 (63.70 to 64.70): VU033200.D (-185) (-)

Ion 66.00 (65.70 to 66.70): VU033200.D (-185) (-)





#7

Trichlorofluoromethane
Concen: 13.436 ug/l
RT: 1.87 min Scan# 244
Delta R.T. -0.00 min
Lab File: VU033200.D
Acq: 11 Jul 2019 19:09

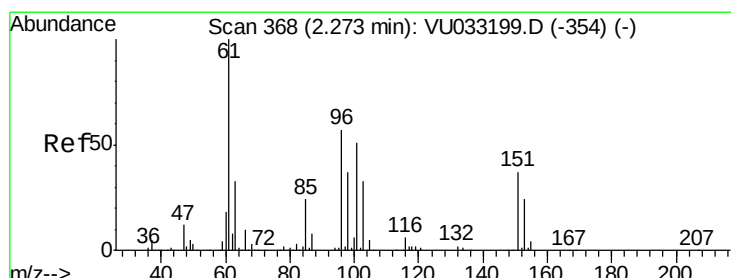
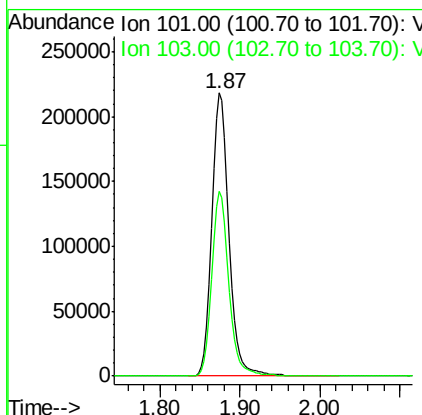
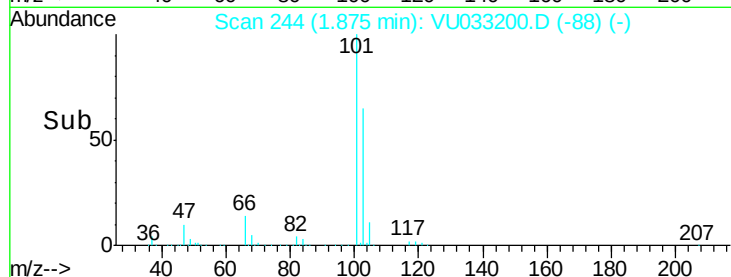
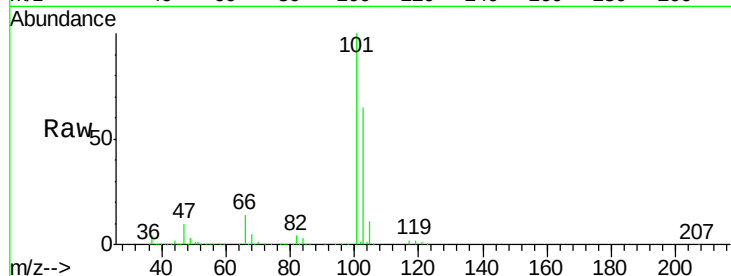
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		326041		
103	65.3	51.0	76.6		

Manual Integrations
APPROVED

MMDadoda

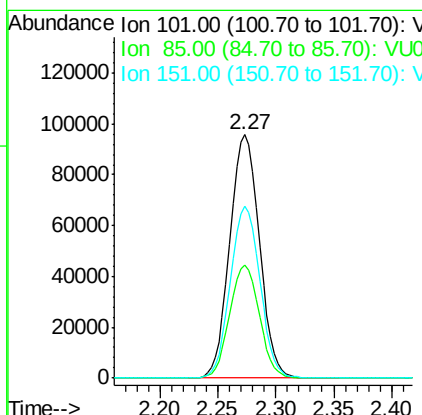
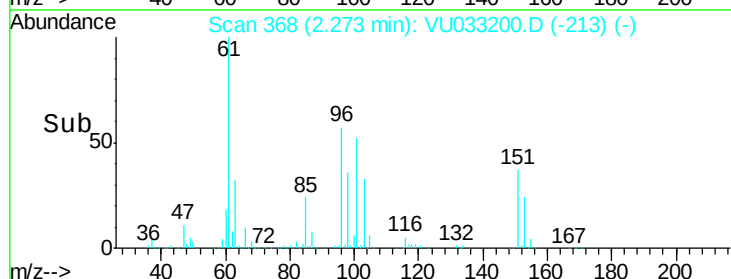
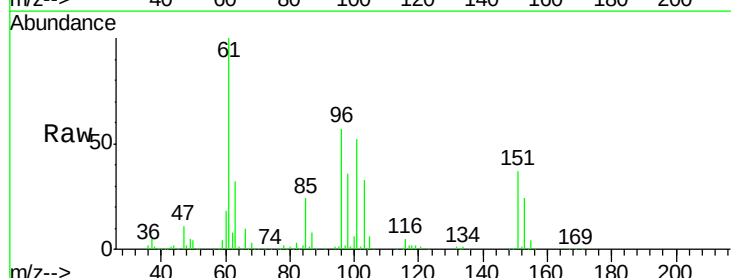
7/16/2019 4:03:28 PM

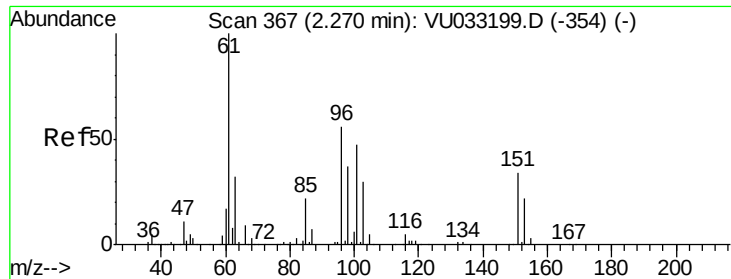


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 13.785 ug/l
RT: 2.27 min Scan# 368
Delta R.T. -0.00 min
Lab File: VU033200.D
Acq: 11 Jul 2019 19:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
101	100		169043		
85	46.4	37.7	56.5		
151	70.8	58.2	87.2		





#9

1,1-Dichloroethene

Concen: 13.318 ug/l

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033200.D

Acq: 11 Jul 2019 19:09

Instrument :

MSVOA_U

ClientSampleId :

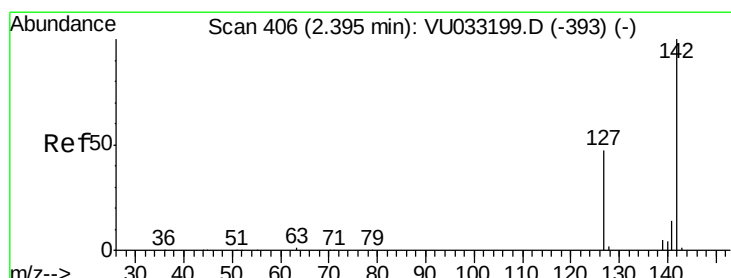
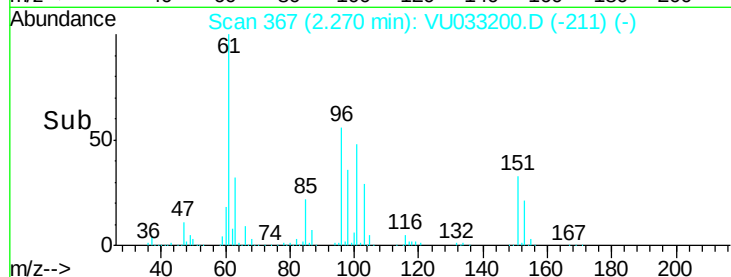
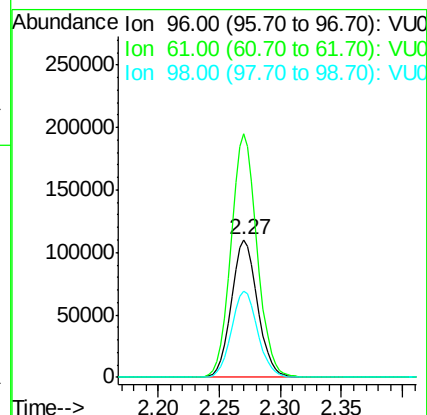
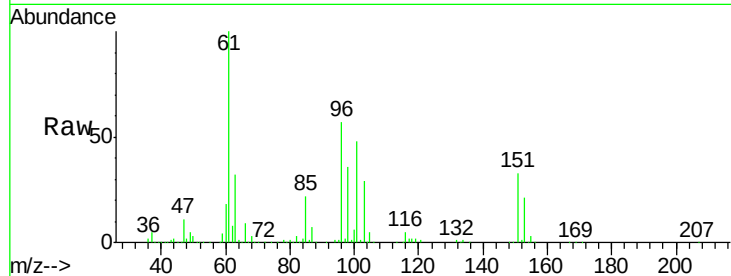
VSTDIC015

Tot Ion:	96	Resp:	165558
Ion	Ratio	Lower	Upper
96	100		
61	177.0	0.0	533.7
98	62.9	0.0	129.8

Manual Integrations
APPROVED

MMDadoda

7/16/2019 4:03:28 PM



#10

Iodomethane

Concen: 13.502 ug/l

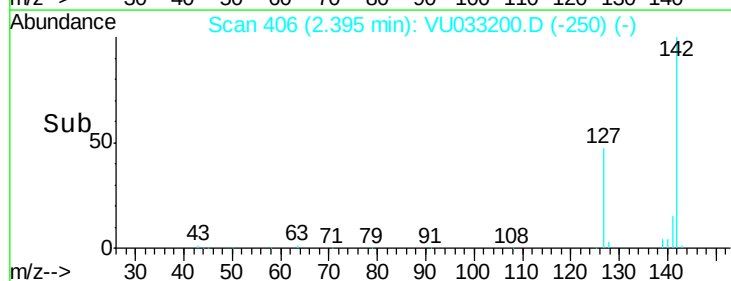
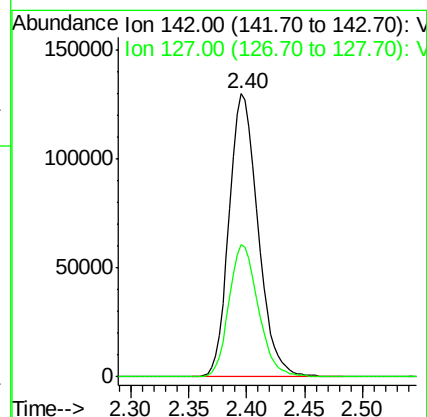
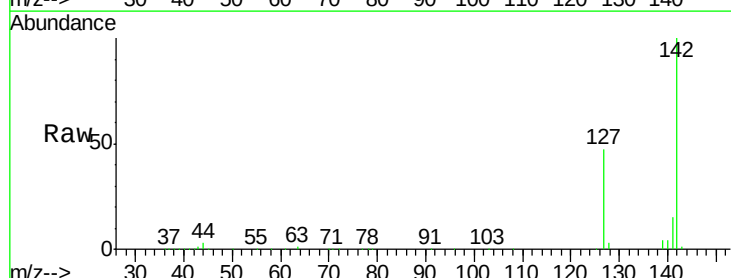
RT: 2.40 min Scan# 406

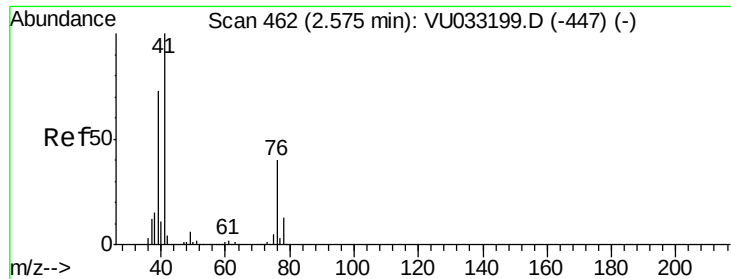
Delta R.T. 0.00 min

Lab File: VU033200.D

Acq: 11 Jul 2019 19:09

Tgt Ion:	142	Resp:	224216
Ion	Ratio	Lower	Upper
142	100		
127	47.3	37.0	55.4





#11
Allvl Chloride
Concen: 13.059 ug/l
RT: 2.58 min Scan# 462
Delta R.T. -0.00 min
Lab File: VU033200.D
Acq: 11 Jul 2019 19:09

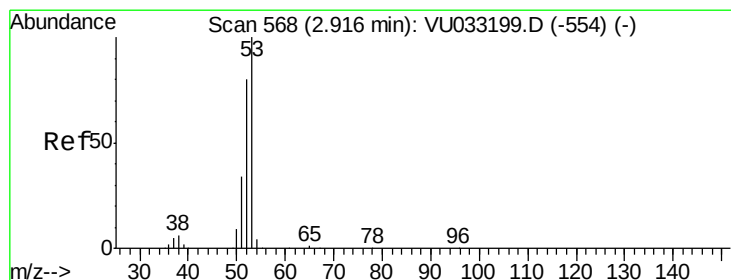
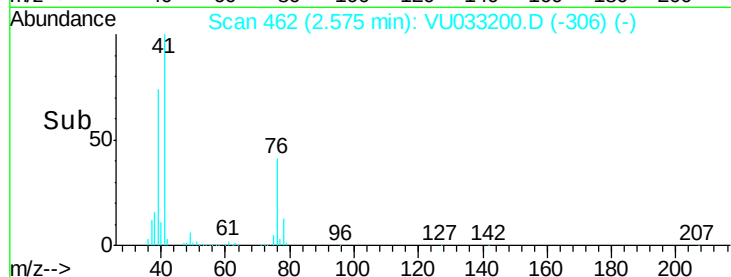
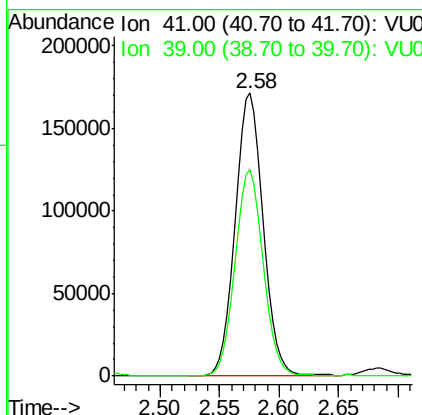
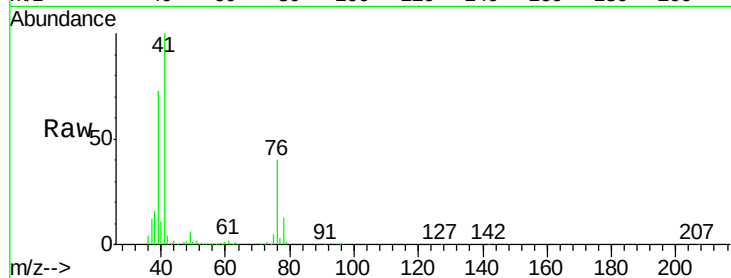
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
41	100		
39	73.2	58.7	88.1

Manual Integrations
APPROVED

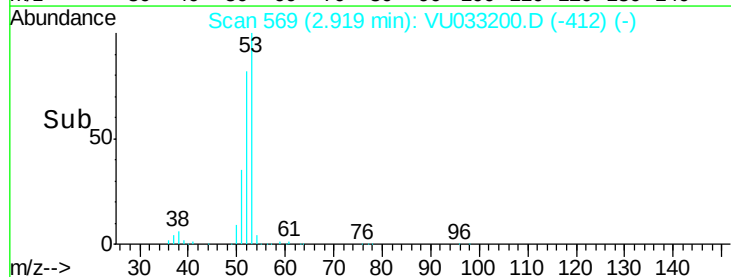
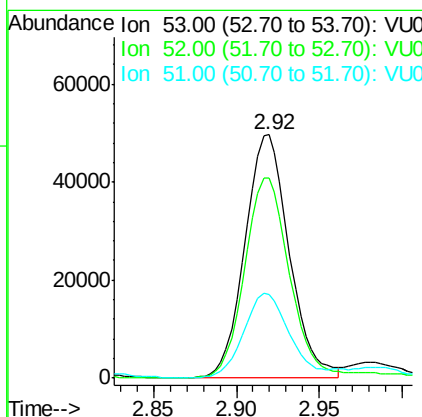
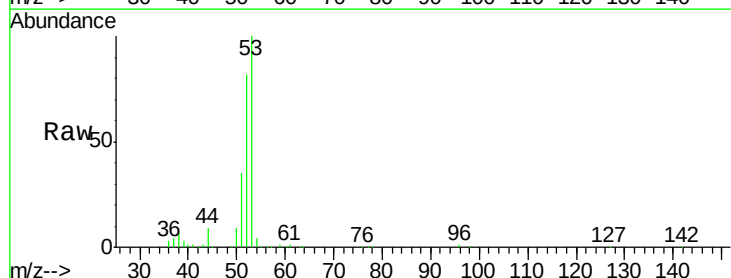
MMDadoda

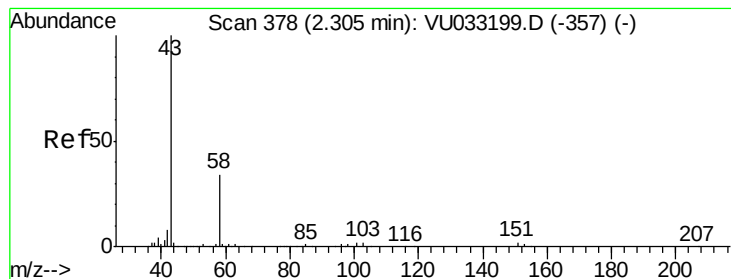
7/16/2019 4:03:28 PM



#12
Acrylonitrile
Concen: 26.675 ug/l
RT: 2.92 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU033200.D
Acq: 11 Jul 2019 19:09

Tgt Ion	Ratio	Lower	Upper
53	100		
52	83.8	68.3	102.5
51	36.2	28.7	43.1





#13

Acetone

Concen: 61.887 ug/l

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU033200.D

Acq: 11 Jul 2019 19:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion: 43 Resp: 189643

Ion Ratio Lower Upper

43 100

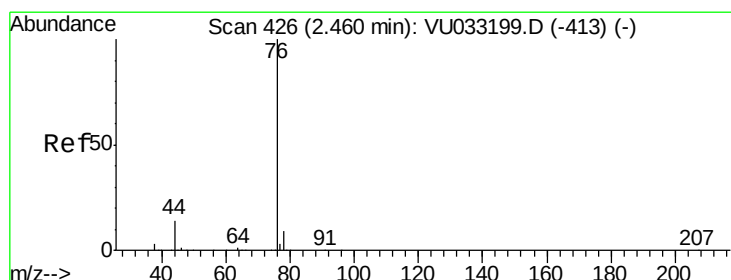
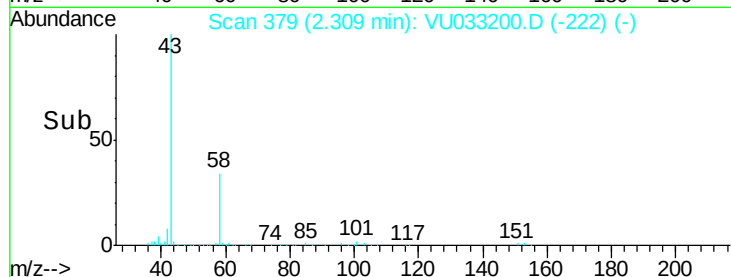
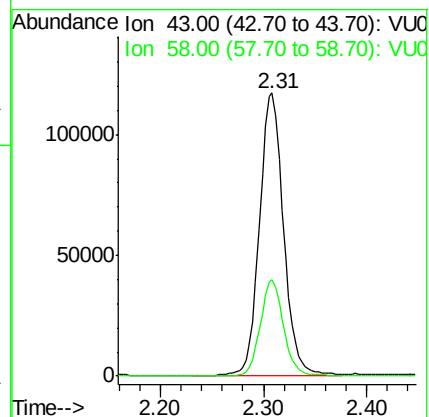
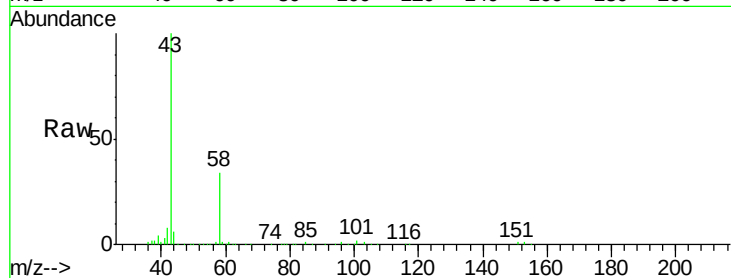
58 33.8 27.1 40.7

Manual Integrations

APPROVED

MMDadoda

7/16/2019 4:03:28 PM



#14

Carbon Disulfide

Concen: 13.259 ug/l

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VU033200.D

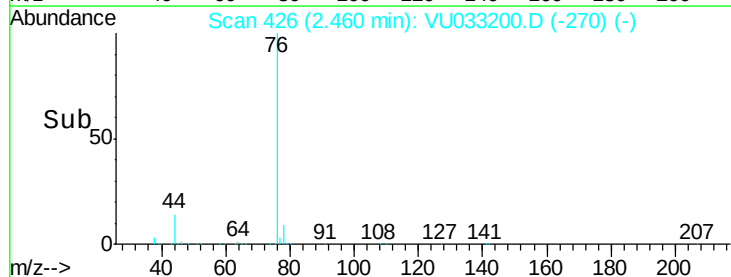
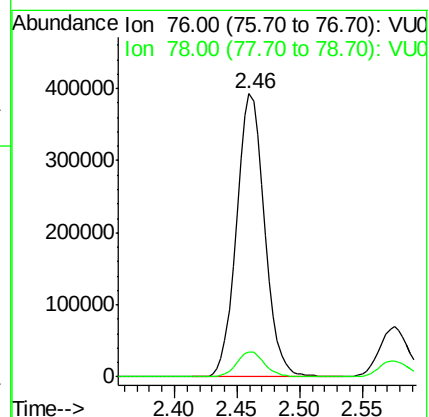
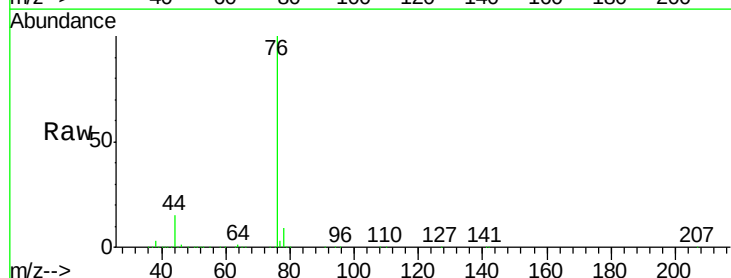
Acq: 11 Jul 2019 19:09

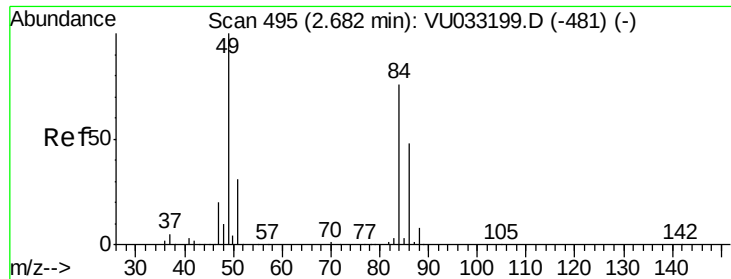
Tgt Ion: 76 Resp: 609994

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.0





#15
Methvlene Chloride
Concen: 12.537 ug/l
RT: 2.68 min Scan# 495
Delta R.T. -0.00 min
Lab File: VU033200.D
Acq: 11 Jul 2019 19:09

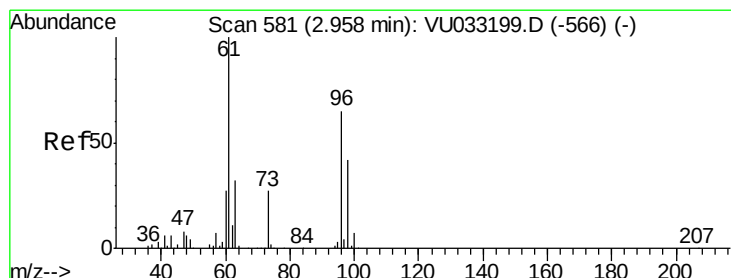
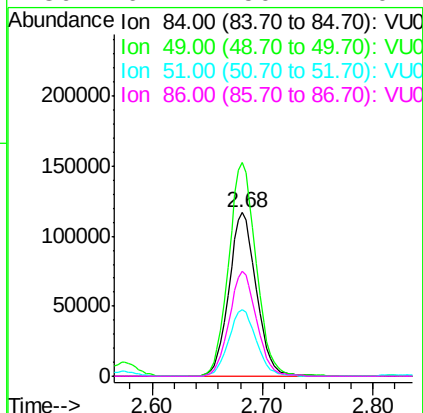
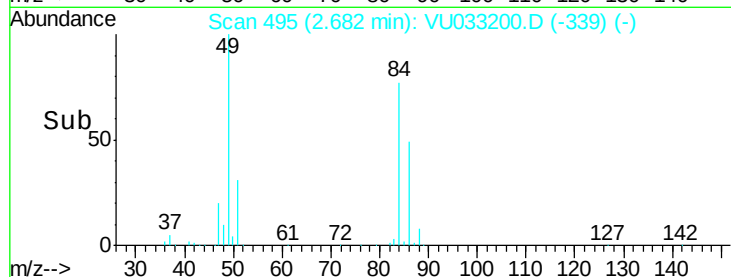
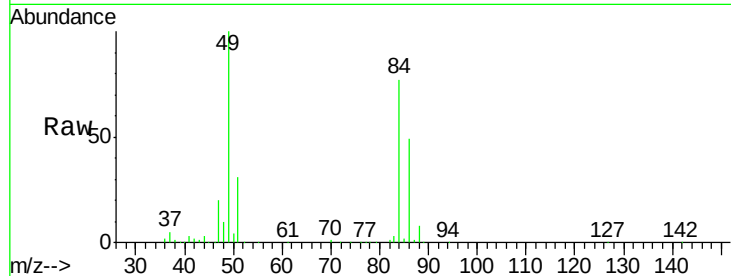
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion:	84	Resp:	200823
Ion	Ratio	Lower	Upper
84	100		
49	130.7	105.8	158.8
51	40.7	0.0	82.0
86	64.1	50.7	76.1

Manual Integrations
APPROVED

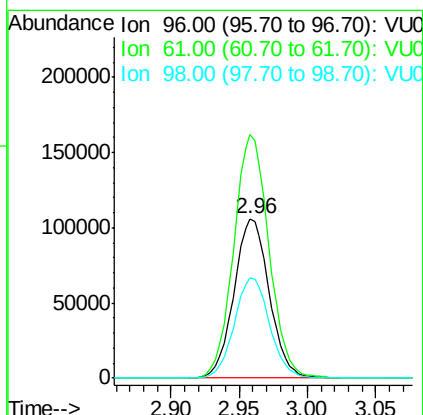
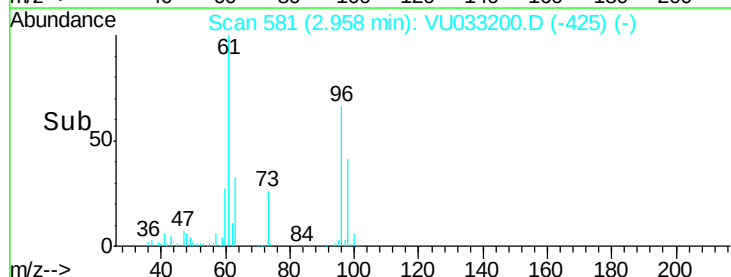
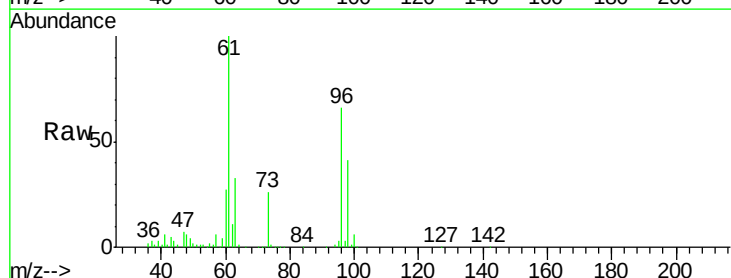
MMDadoda

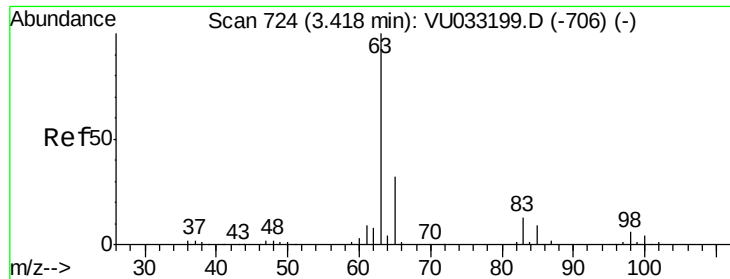
7/16/2019 4:03:28 PM



#16
trans-1,2-Dichloroethene
Concen: 13.265 ug/l
RT: 2.96 min Scan# 581
Delta R.T. -0.00 min
Lab File: VU033200.D
Acq: 11 Jul 2019 19:09

Tgt Ion:	96	Resp:	189707
Ion	Ratio	Lower	Upper
96	100		
61	152.8	122.6	184.0
98	63.1	52.0	78.0





#17
 1,1-Dichloroethane
 Concen: 13.448 ug/l
 RT: 3.42 min Scan# 724
 Delta R.T. 0.00 min
 Lab File: VU033200.D
 Acq: 11 Jul 2019 19:09

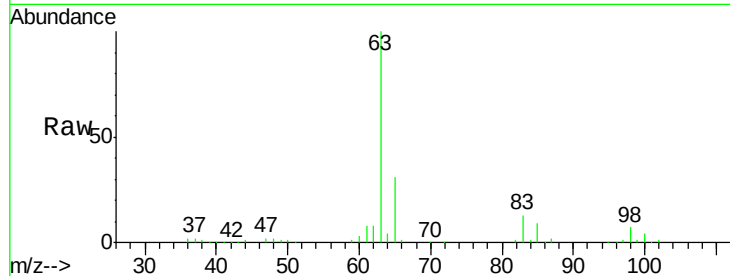
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Resp	Lower	Upper
63	100	282906		
98	6.5		3.3	9.8
100	3.8		1.8	5.4

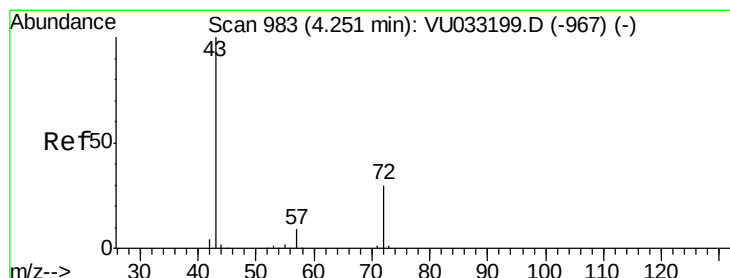
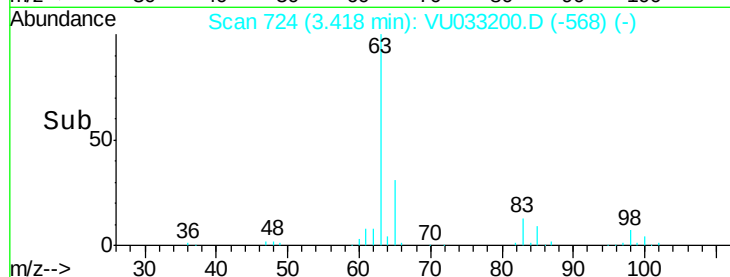
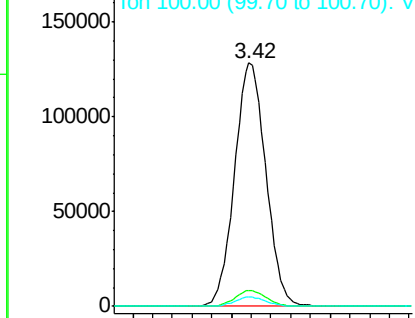
Manual Integrations
 APPROVED

MMDadoda

7/16/2019 4:03:28 PM

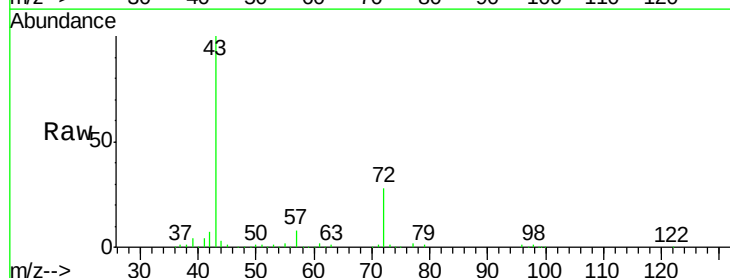


Abundance Ion 63.00 (62.70 to 63.70): VU033200.D (-568) (-)
 Ion 98.00 (97.70 to 98.70): VU033200.D (-568) (-)
 Ion 100.00 (99.70 to 100.70): VU033200.D (-568) (-)

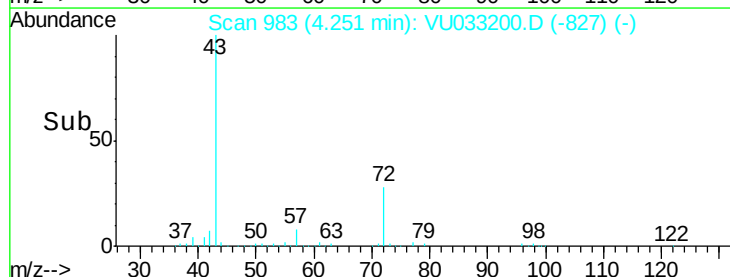
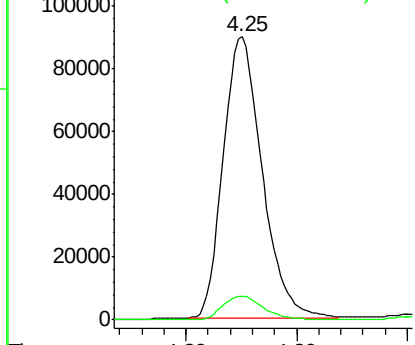


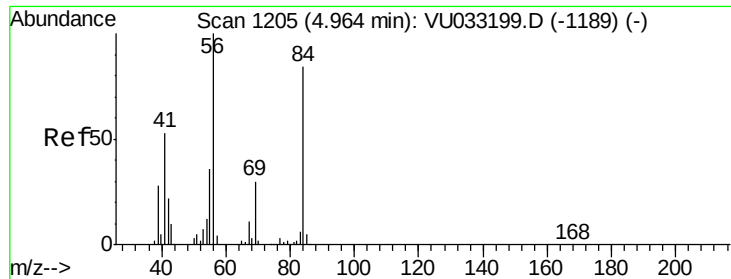
#18
 2-Butanone
 Concen: 79.847 ug/l
 RT: 4.25 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: VU033200.D
 Acq: 11 Jul 2019 19:09

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	219272		
57	8.4		0.0	18.4



Abundance Ion 43.00 (42.70 to 43.70): VU033200.D (-827) (-)
 Ion 57.00 (56.70 to 57.70): VU033200.D (-827) (-)





#19
Cyclohexane
Concen: 15.136 ug/l m
RT: 4.97 min Scan# 1206
Delta R.T. 0.00 min
Lab File: VU033200.D
Acq: 11 Jul 2019 19:09

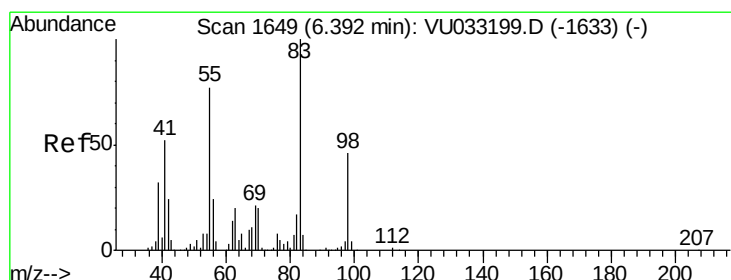
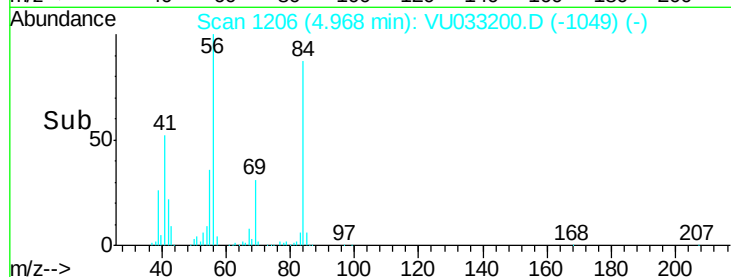
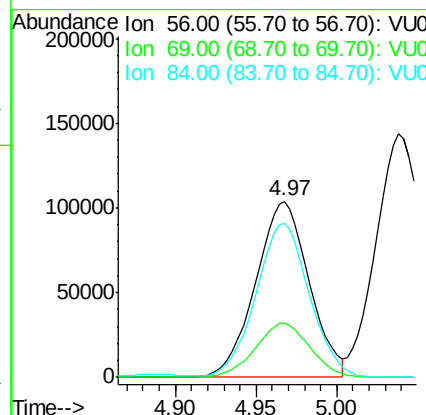
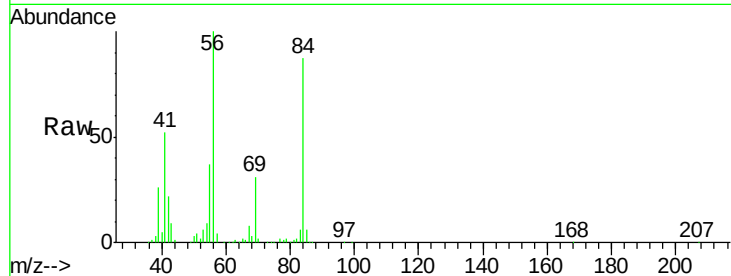
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.4	24.6	37.0
84	86.6	67.5	101.3

Manual Integrations
APPROVED

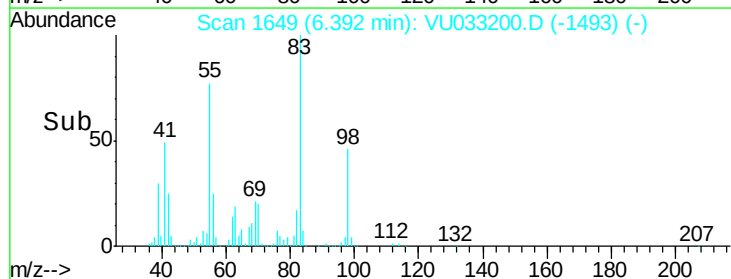
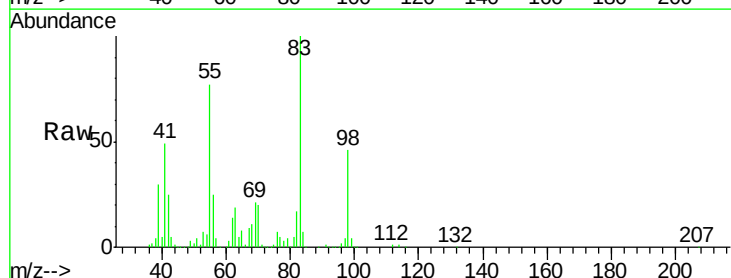
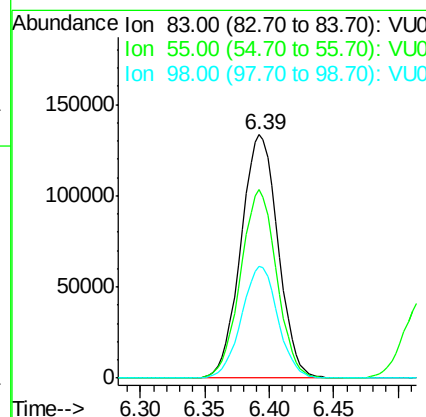
MMDadoda

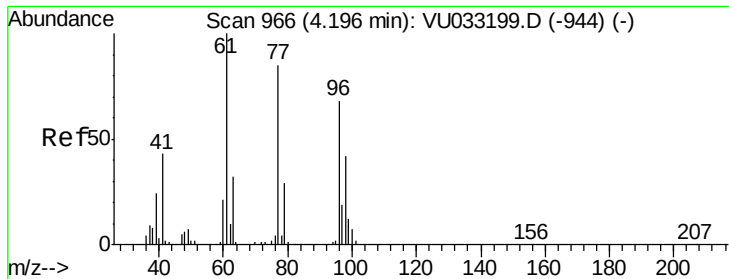
7/16/2019 4:03:28 PM



#20
Methylcyclohexane
Concen: 16.935 ug/l
RT: 6.39 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VU033200.D
Acq: 11 Jul 2019 19:09

Tgt Ion	Ratio	Lower	Upper
83	100		
55	75.4	62.0	93.0
98	45.2	36.3	54.5





#21

2,2-Dichloropropane

Concen: 12.641 ug/l

RT: 4.20 min Scan# 966

Delta R.T. -0.00 min

Lab File: VU033200.D

Acq: 11 Jul 2019 19:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion: 77 Resp: 231921

Ion Ratio Lower Upper

77 100

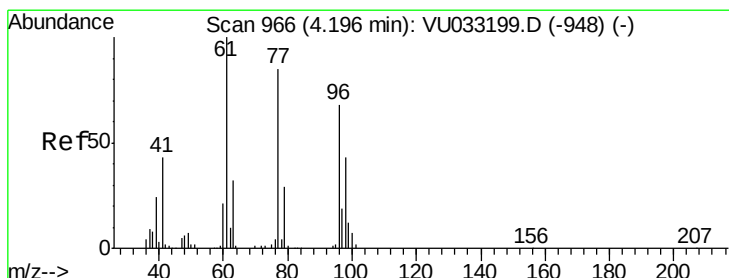
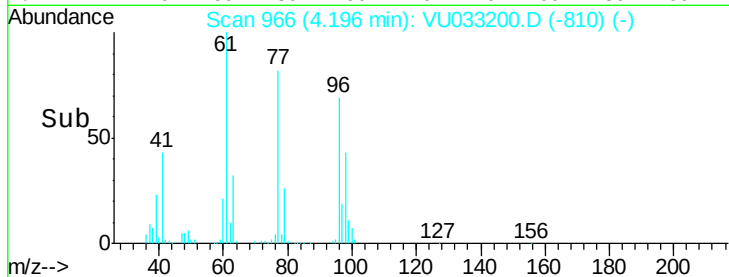
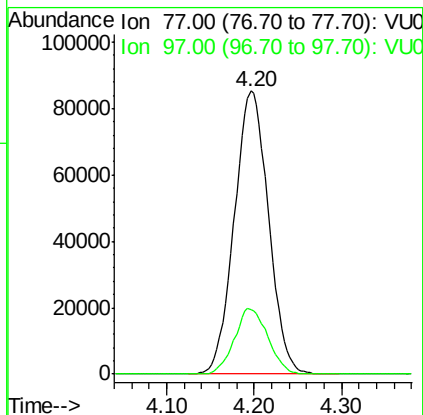
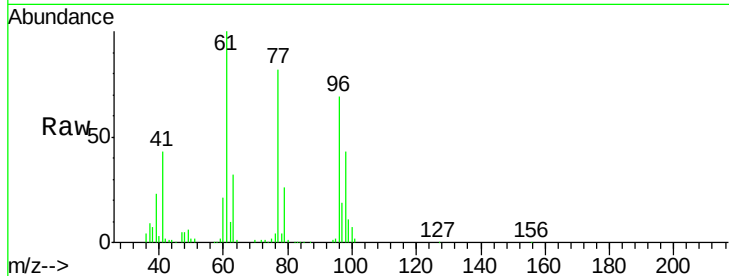
97 22.6 17.6 26.4

Manual Integrations

APPROVED

MMDadoda

7/16/2019 4:03:28 PM



#22

cis-1,2-Dichloroethene

Concen: 14.491 ug/l

RT: 4.20 min Scan# 966

Delta R.T. -0.00 min

Lab File: VU033200.D

Acq: 11 Jul 2019 19:09

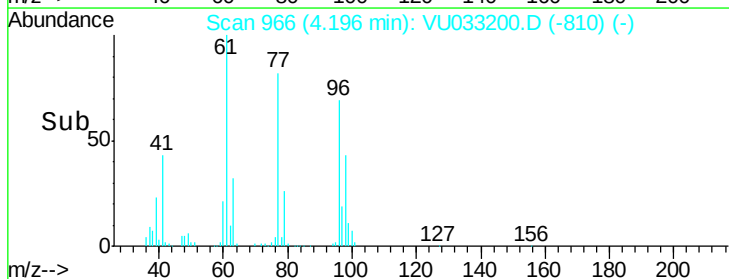
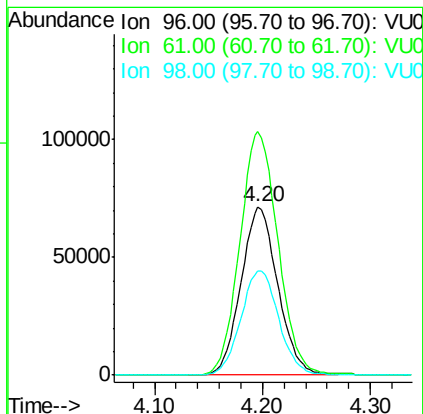
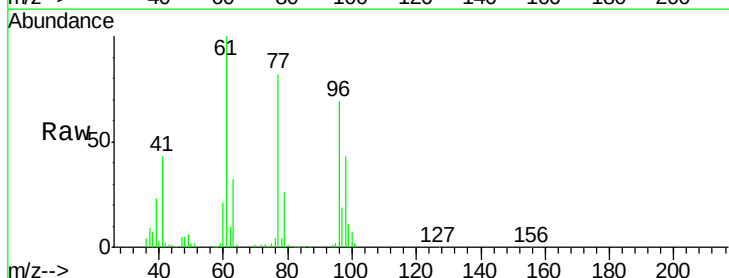
Tgt Ion: 96 Resp: 169017

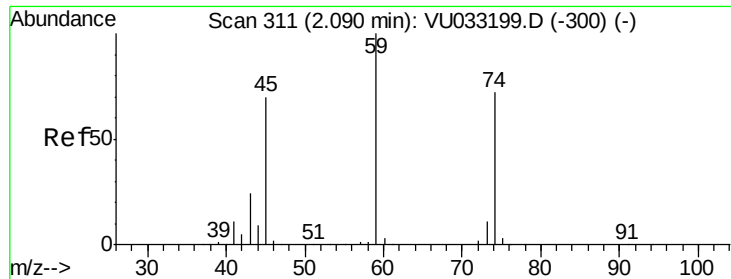
Ion Ratio Lower Upper

96 100

61 150.0 0.0 377.3

98 63.8 32.3 96.8





#23
Diethyl Ether
Concen: 13.907 ug/l
RT: 2.09 min Scan# 311
Delta R.T. -0.00 min
Lab File: VU033200.D
Acq: 11 Jul 2019 19:09

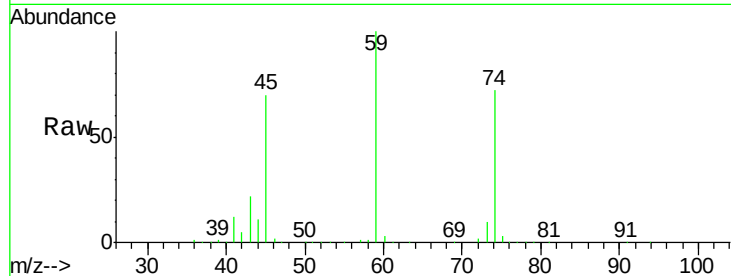
Instrument :
MSVOA_U
ClientSampled :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
59	100		
45	70.5	55.7	83.5
74	72.8	58.1	87.1

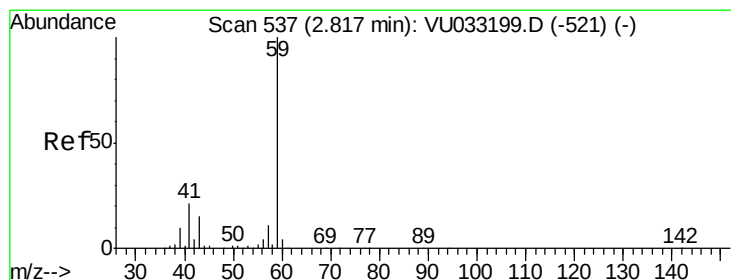
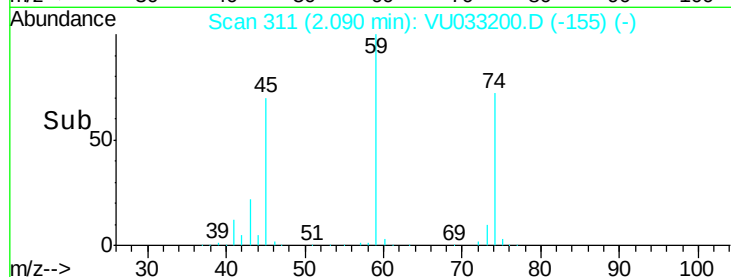
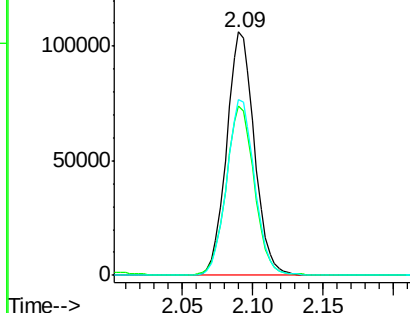
Manual Integrations
APPROVED

MMDadoda

7/16/2019 4:03:28 PM

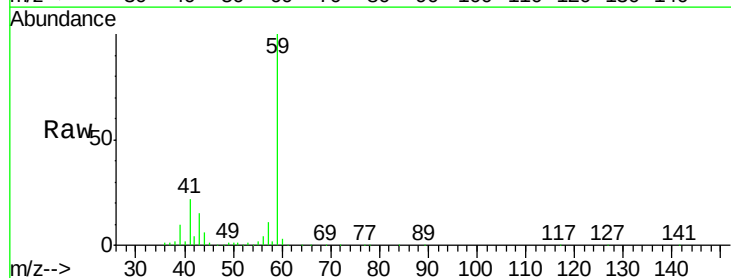


Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

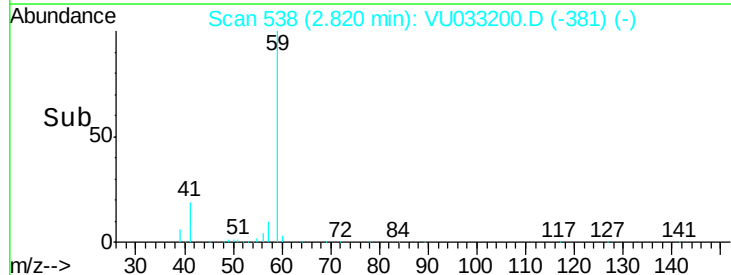
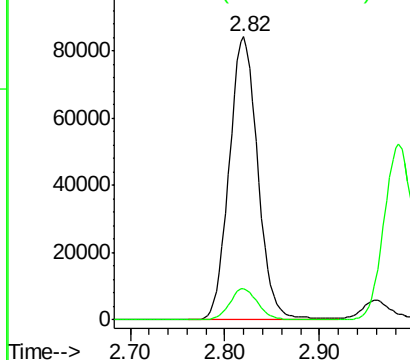


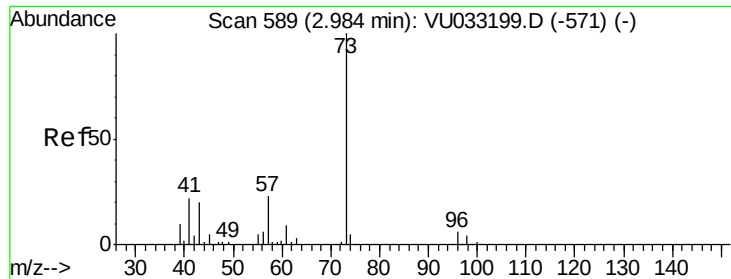
#24
tert-Butyl Alcohol
Concen: 132.768 ug/l
RT: 2.82 min Scan# 538
Delta R.T. 0.00 min
Lab File: VU033200.D
Acq: 11 Jul 2019 19:09

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.5	12.7



Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





#25

Methyl tert-Butyl Ether
 Concen: 13.989 ug/l
 RT: 2.98 min Scan# 589
 Delta R.T. 0.00 min
 Lab File: VU033200.D
 Acq: 11 Jul 2019 19:09

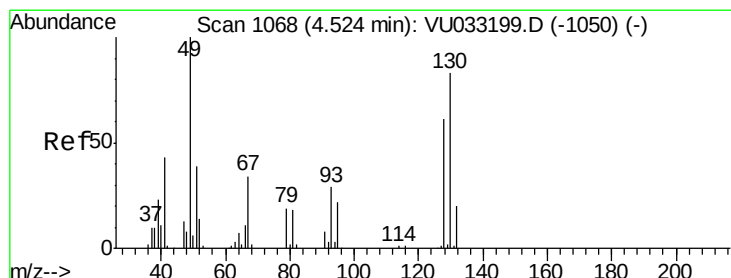
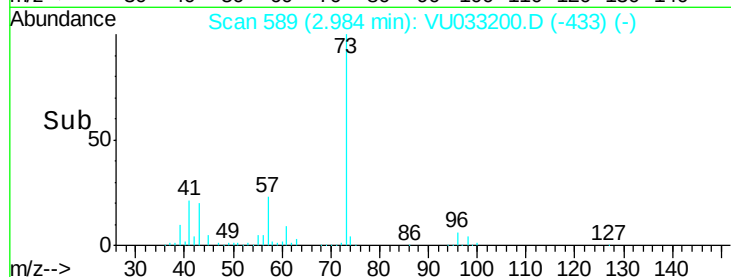
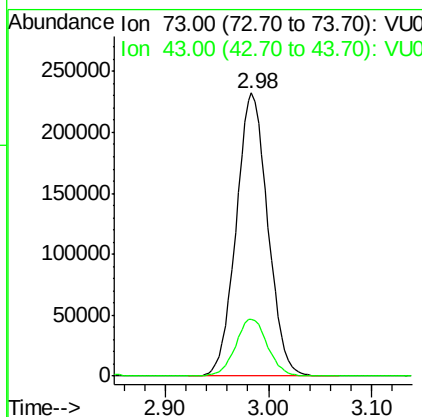
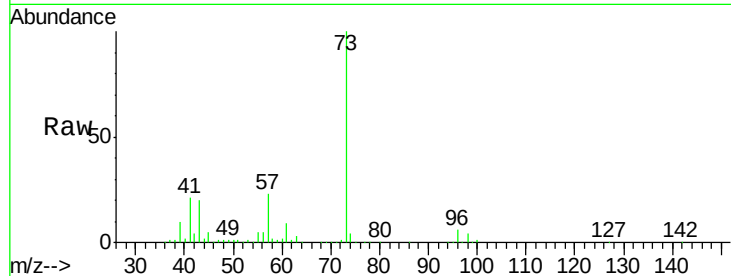
Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
73	100		
43	20.2	16.1	24.1

Manual Integrations
 APPROVED

MMDadoda

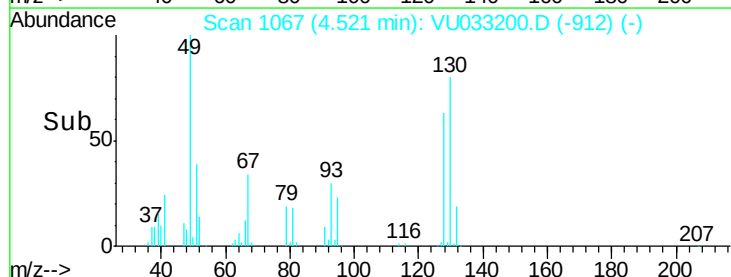
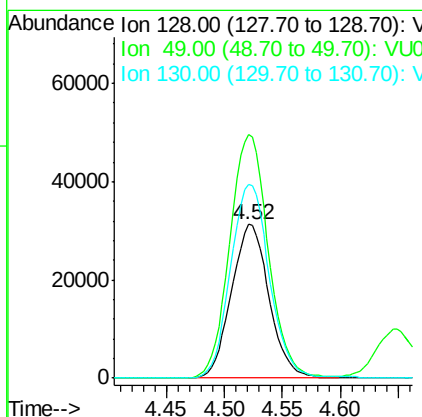
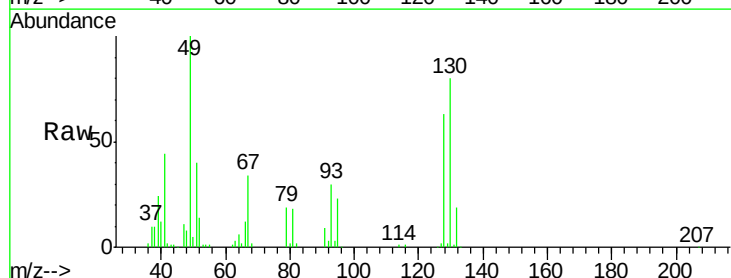
7/16/2019 4:03:28 PM

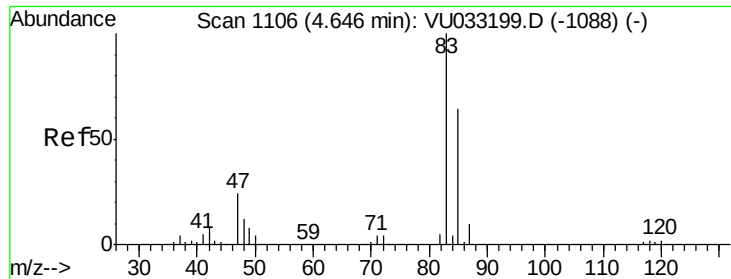


#26

Bromochloromethane
 Concen: 13.577 ug/l
 RT: 4.52 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VU033200.D
 Acq: 11 Jul 2019 19:09

Tgt Ion	Ratio	Lower	Upper
128	100		
49	162.0	0.0	328.6
130	129.9	104.1	156.1





#27
Chloroform
Concen: 12.513 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033200.D
Acq: 11 Jul 2019 19:09

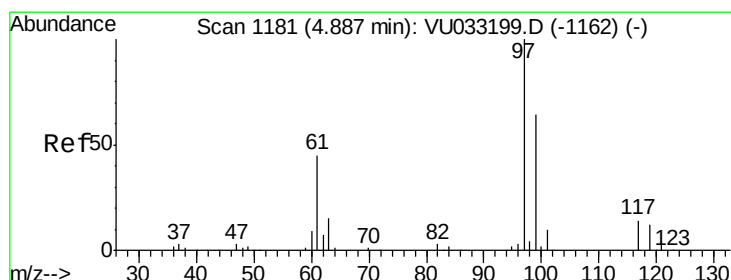
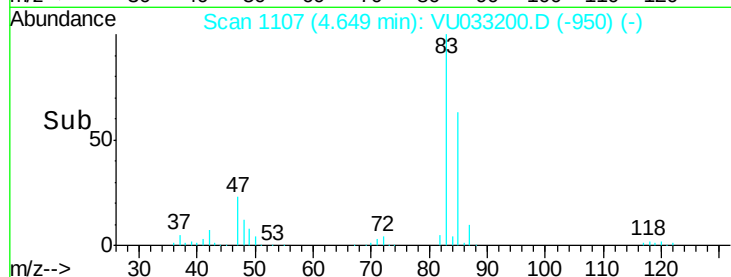
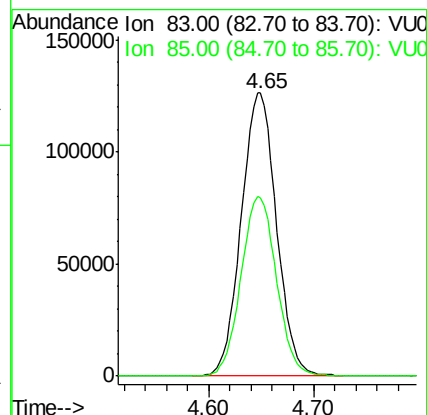
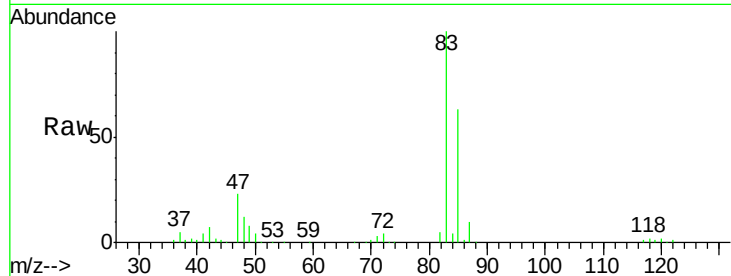
Instrument :
MSVOA_U
ClientSampled :
VSTDIC015

Tot Ion	83	Resp	293777
Ion Ratio	100	Lower	Upper
85	63.0	0.0	128.4

Manual Integrations
APPROVED

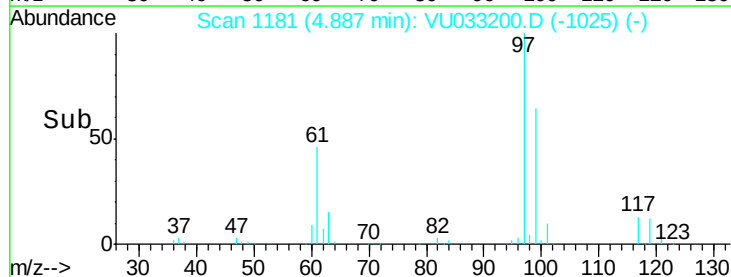
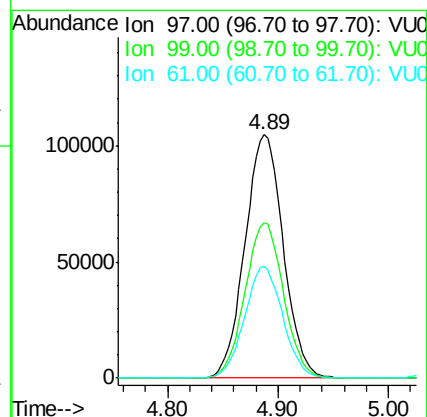
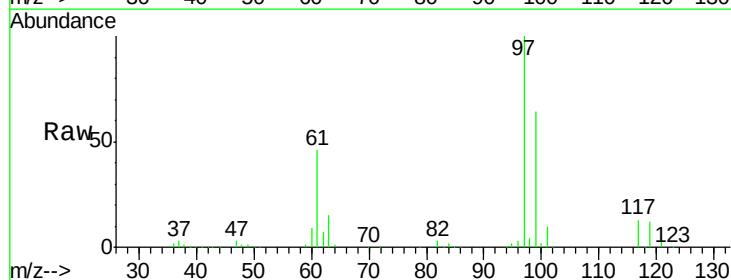
MMDadoda

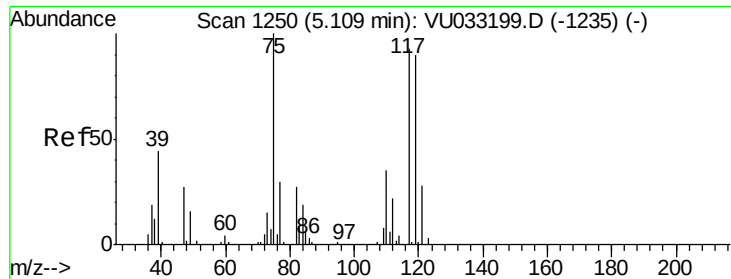
7/16/2019 4:03:28 PM



#28
1,1,1-Trichloroethane
Concen: 13.704 ug/l
RT: 4.89 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU033200.D
Acq: 11 Jul 2019 19:09

Tgt Ion	97	Resp	252090
Ion Ratio	100	Lower	Upper
99	64.1	31.9	95.5
61	45.7	22.6	67.7





#29

1,1-Dichloropropene

Concen: 14.679 ug/l

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU033200.D

Acq: 11 Jul 2019 19:09

Instrument :

MSVOA_U

ClientSampleId :

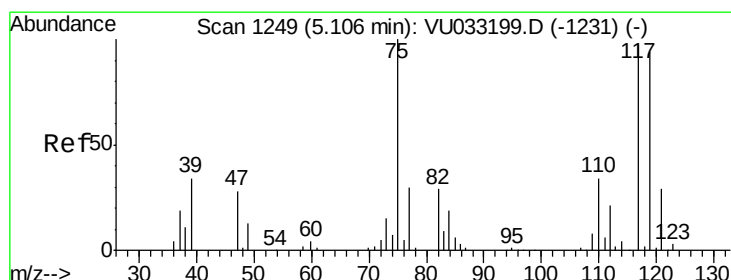
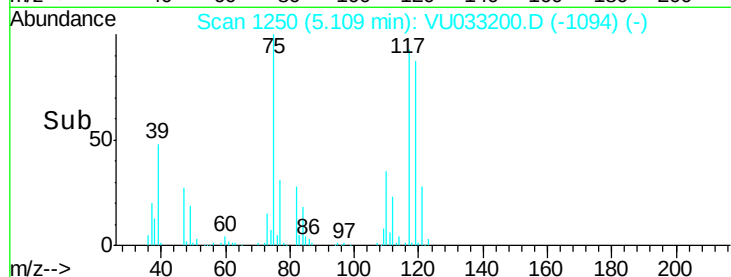
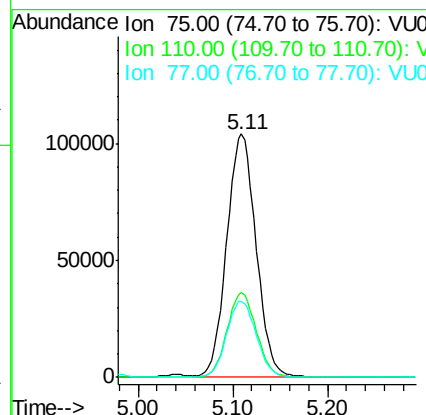
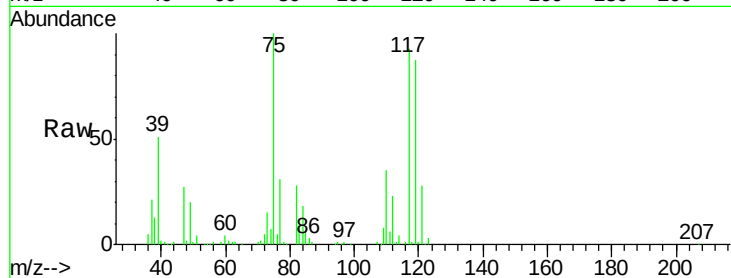
VSTDIC015

Tot Ion:	75	Resp:	223447
Ion Ratio	Lower	Upper	
75	100		
110	35.0	17.5	52.6
77	32.1	24.6	37.0

Manual Integrations
APPROVED

MMDadoda

7/16/2019 4:03:28 PM



#30

Carbon Tetrachloride

Concen: 13.529 ug/l

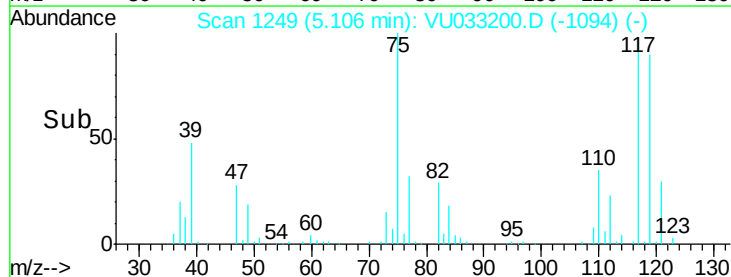
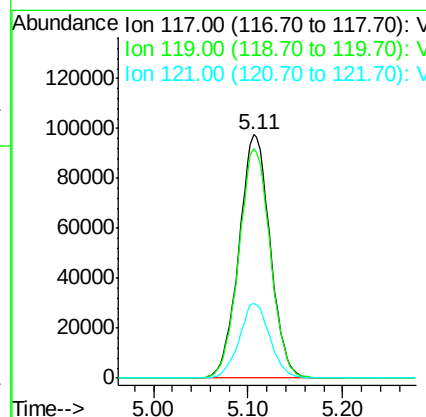
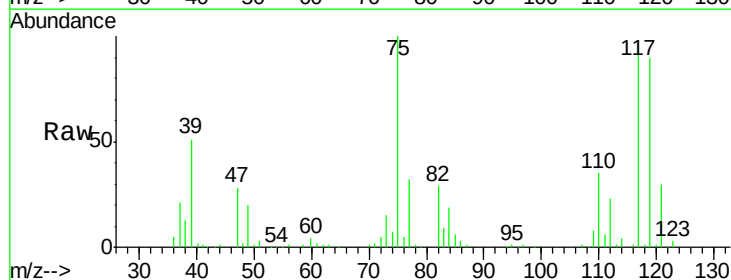
RT: 5.11 min Scan# 1249

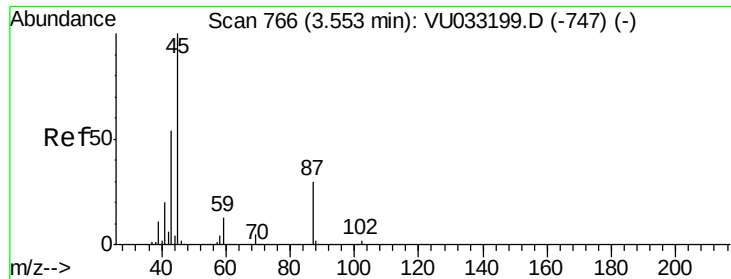
Delta R.T. -0.00 min

Lab File: VU033200.D

Acq: 11 Jul 2019 19:09

Tgt Ion:	117	Resp:	222516
Ion Ratio	Lower	Upper	
117	100		
119	94.3	77.4	116.0
121	30.9	24.2	36.2





#31

Isopropyl Ether

Concen: 14.660 ug/l

RT: 3.56 min Scan# 767

Delta R.T. 0.00 min

Lab File: VU033200.D

Acq: 11 Jul 2019 19:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion: 45 Resp: 407398

Ion Ratio Lower Upper

45 100

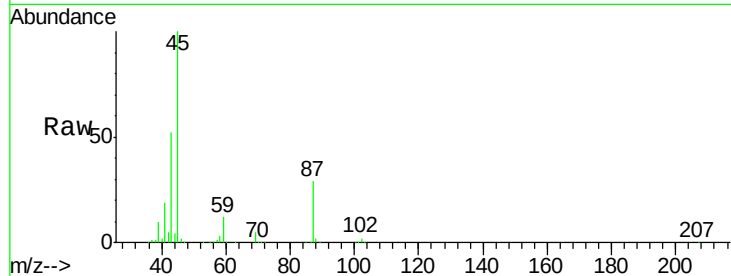
43 53.4 27.3 81.8

Manual Integrations

APPROVED

MMDadoda

7/16/2019 4:03:28 PM



Abundance Ion 45.00 (44.70 to 45.70): VU033200.D (-610) (-)

Ion 43.00 (42.70 to 43.70): VU033200.D (-610) (-)

3.56

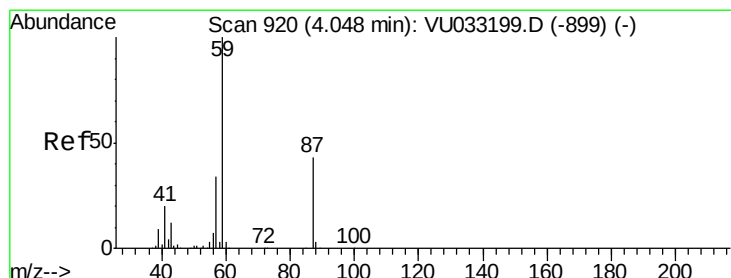
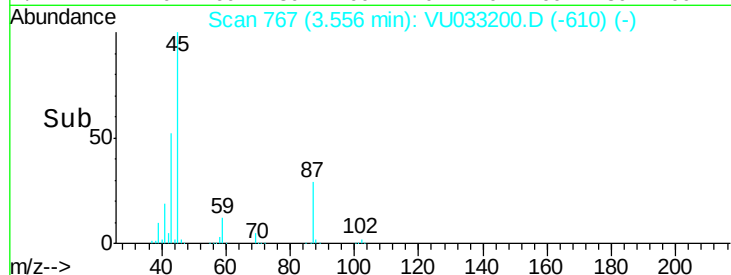
150000

100000

50000

0

Time--> 3.40 3.50 3.60 3.70



#32

Ethyl-t-butyl ether

Concen: 15.440 ug/l

RT: 4.05 min Scan# 920

Delta R.T. 0.00 min

Lab File: VU033200.D

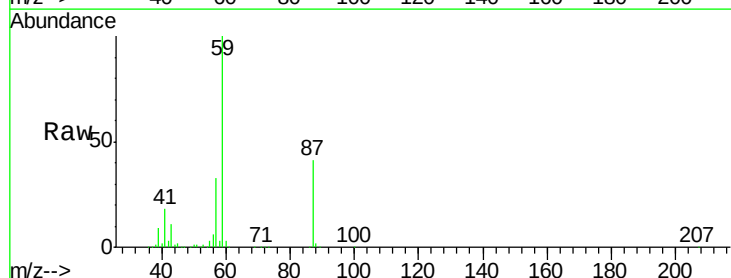
Acq: 11 Jul 2019 19:09

Tgt Ion: 59 Resp: 409064

Ion Ratio Lower Upper

59 100

87 41.8 34.5 51.7



Abundance Ion 59.00 (58.70 to 59.70): VU033200.D (-764) (-)

Ion 87.00 (86.70 to 87.70): VU033200.D (-764) (-)

4.05

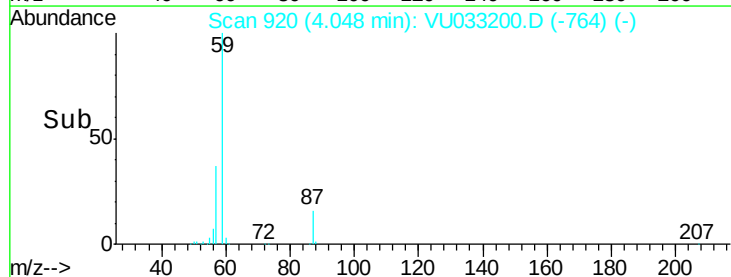
150000

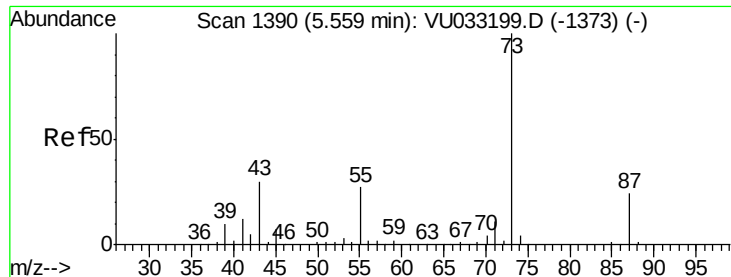
100000

50000

0

Time--> 4.00 4.10





#33
Tert-Butyl methyl ether
Concen: 16.144 ug/l
RT: 5.56 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU033200.D
Acq: 11 Jul 2019 19:09

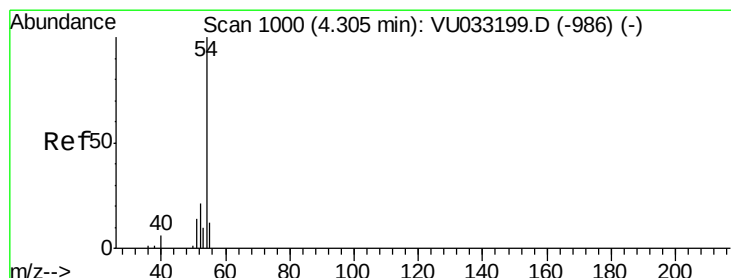
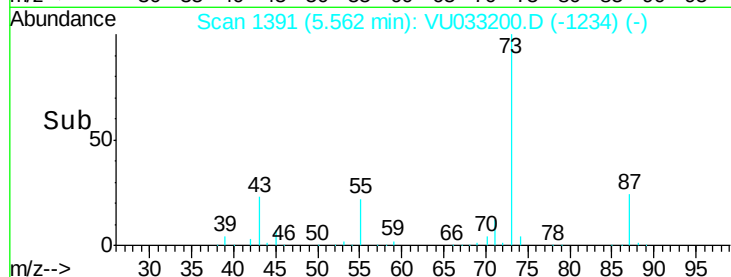
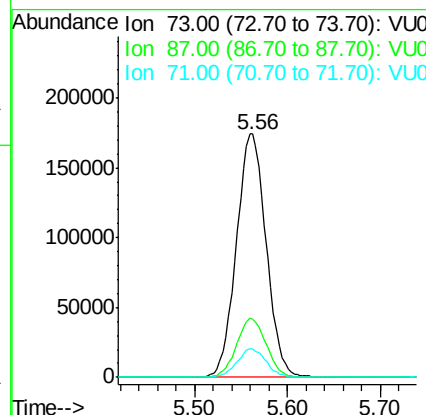
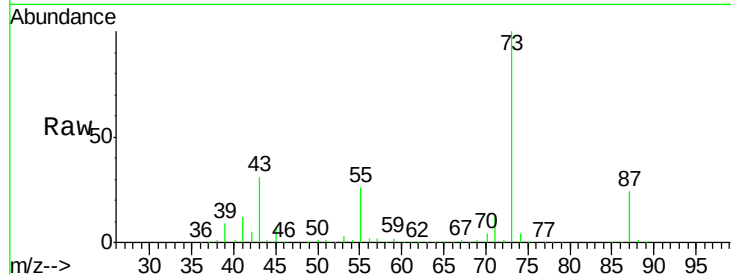
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
73	100		
87	24.3	19.8	29.6
71	11.6	9.1	13.7

Manual Integrations
APPROVED

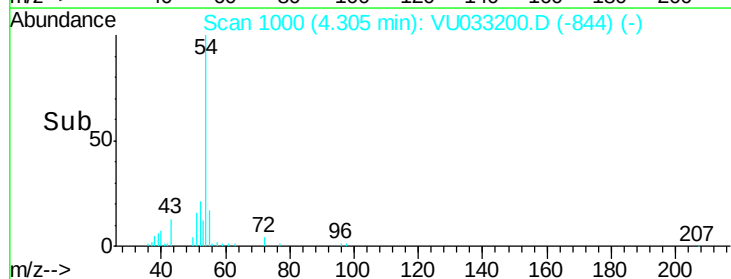
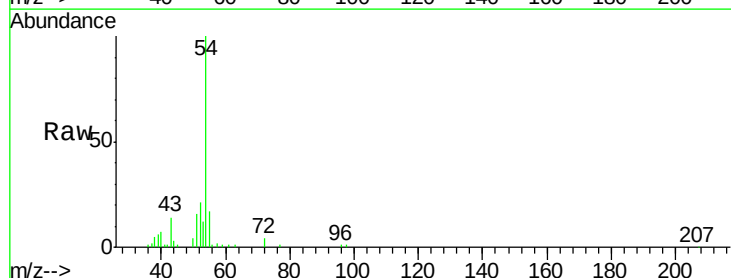
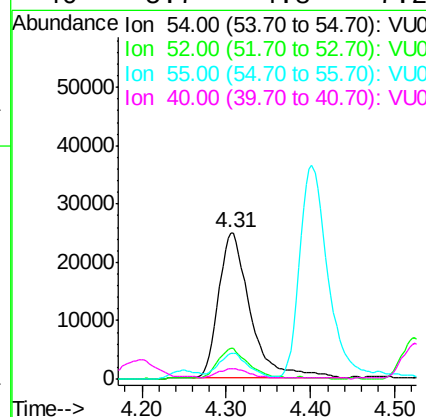
MMDadoda

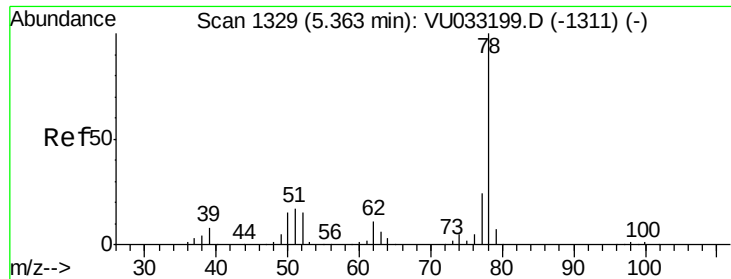
7/16/2019 4:03:28 PM



#34
Propionitrile
Concen: 80.910 ug/l
RT: 4.31 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VU033200.D
Acq: 11 Jul 2019 19:09

Tgt Ion	Ratio	Lower	Upper
54	100		
52	20.9	16.7	25.1
55	14.7	12.9	19.3
40	5.7	4.8	7.2





#35

Benzene

Concen: 14.380 ug/l

RT: 5.36 min Scan# 1329

Delta R.T. -0.00 min

Lab File: VU033200.D

Acq: 11 Jul 2019 19:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion: 78 Resp: 636682

Ion Ratio Lower Upper

78 100

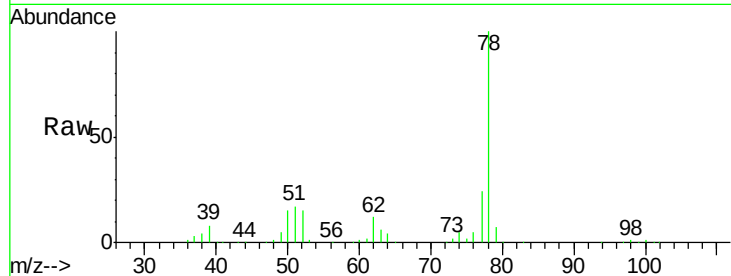
77 24.0 19.3 28.9

Manual Integrations

APPROVED

MMDadoda

7/16/2019 4:03:28 PM



Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0

300000

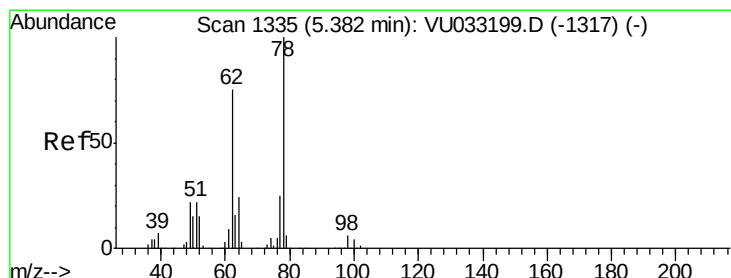
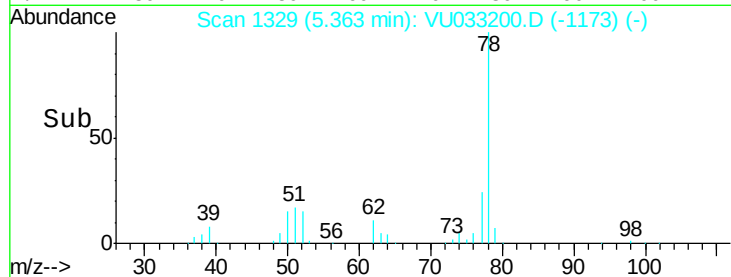
200000

100000

0

5.30 5.40 5.50

Time-->



#36

1,2-Dichloroethane

Concen: 13.896 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU033200.D

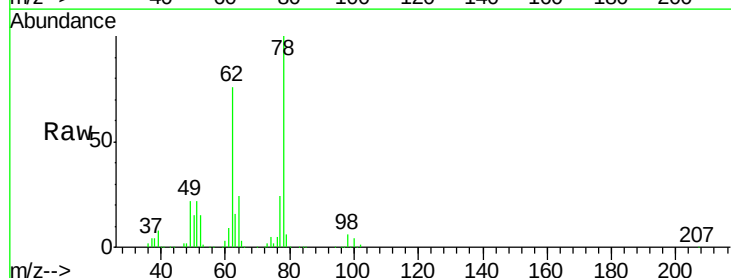
Acq: 11 Jul 2019 19:09

Tgt Ion: 62 Resp: 198664

Ion Ratio Lower Upper

62 100

98 8.5 6.7 10.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

100000

80000

60000

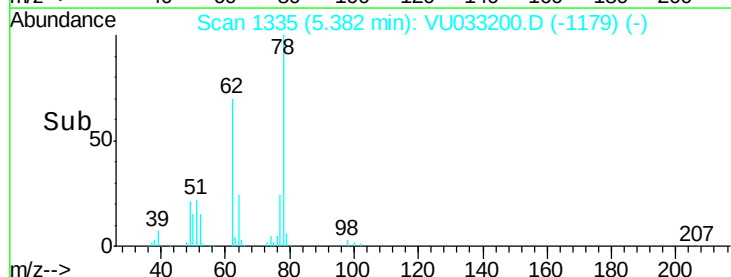
40000

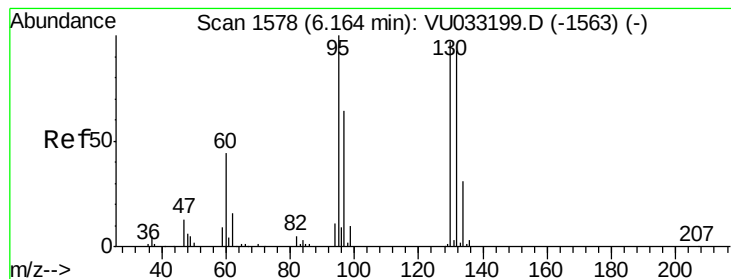
20000

0

5.30 5.35 5.40 5.45 5.50

Time-->





#37

Trichloroethene

Concen: 14.620 ug/l

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033200.D

Acq: 11 Jul 2019 19:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion:130 Resp: 167028

Ion Ratio Lower Upper

130 100

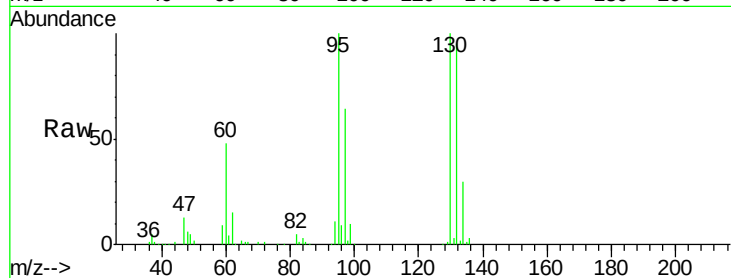
95 100.1 82.4 123.6

Manual Integrations

APPROVED

MMDadoda

7/16/2019 4:03:28 PM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VU0

6.16

100000

80000

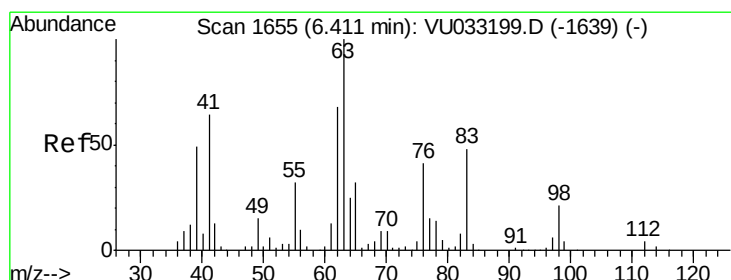
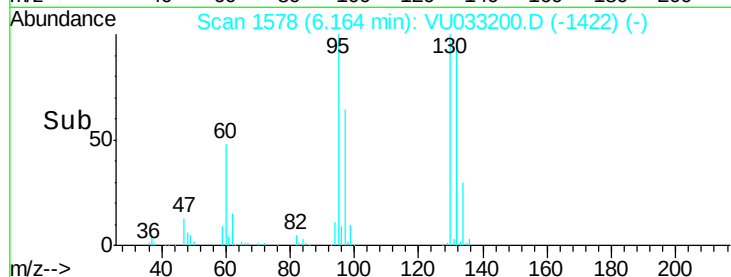
60000

40000

20000

0

Time-->



#38

1,2-Dichloropropane

Concen: 13.906 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU033200.D

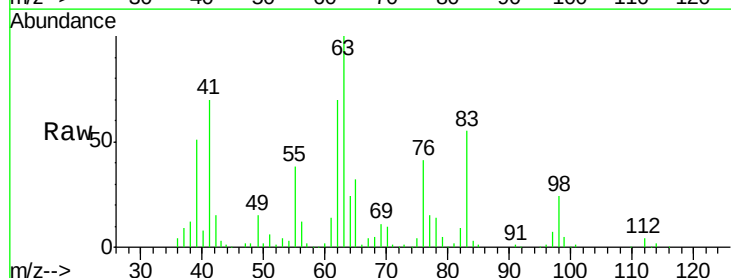
Acq: 11 Jul 2019 19:09

Tgt Ion: 63 Resp: 169571

Ion Ratio Lower Upper

63 100

65 32.5 25.3 37.9



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 65.00 (64.70 to 65.70): VU0

6.41

100000

80000

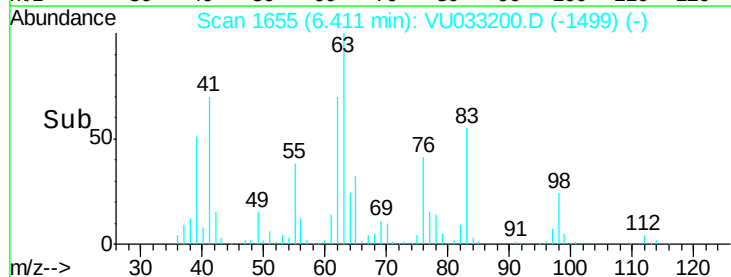
60000

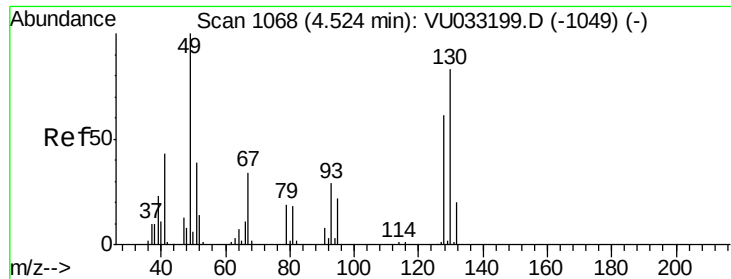
40000

20000

0

Time-->





#39
Methacrylonitrile
Concen: 15.765 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU033200.D
Acq: 11 Jul 2019 19:09

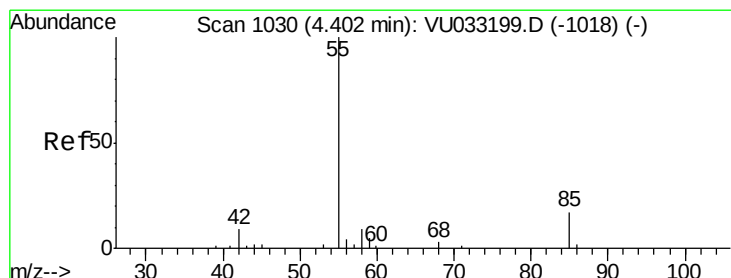
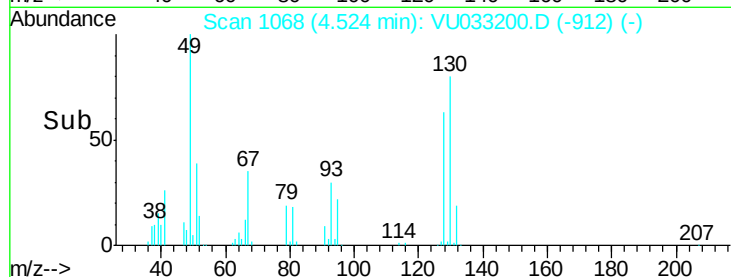
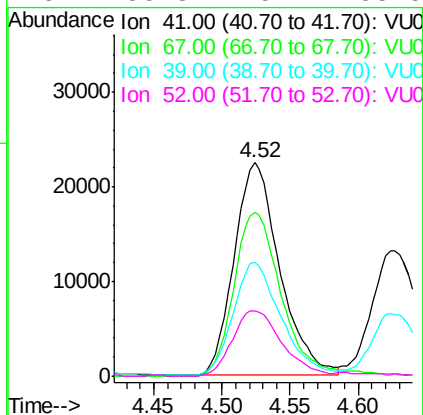
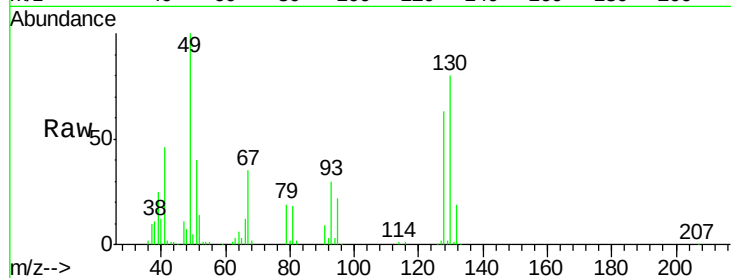
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	41	Resp	51994
Ion	Ratio	Lower	Upper
41	100		
67	80.9	61.0	91.4
39	55.3	44.4	66.6
52	33.3	25.7	38.5

Manual Integrations
APPROVED

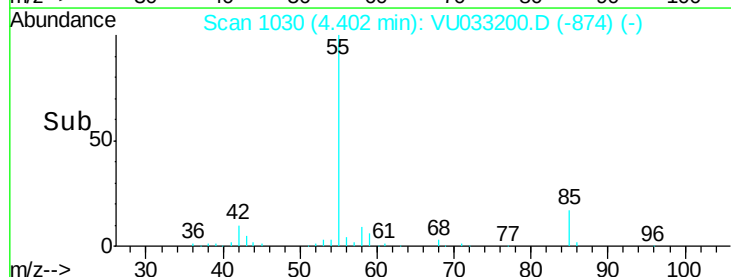
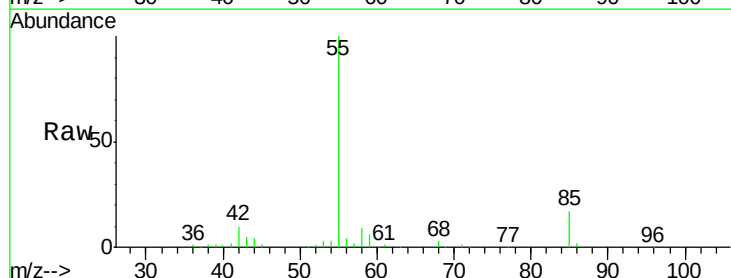
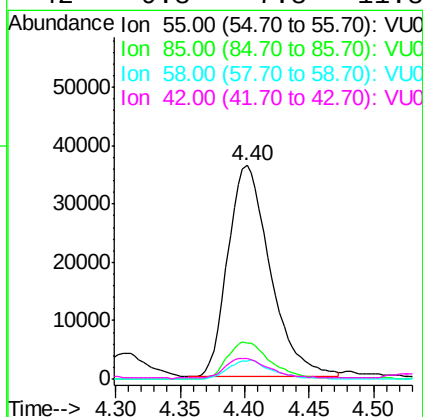
MMDadoda

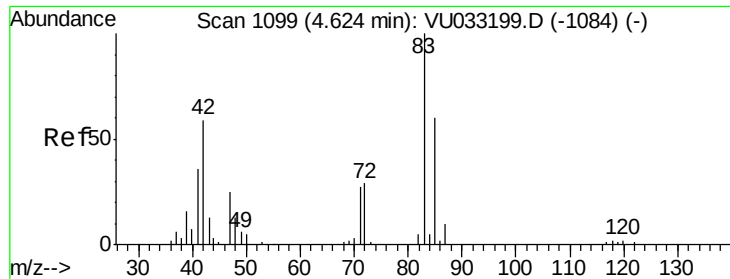
7/16/2019 4:03:28 PM



#40
Methyl acrylate
Concen: 16.645 ug/l
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VU033200.D
Acq: 11 Jul 2019 19:09

Tgt Ion	55	Resp	82815
Ion	Ratio	Lower	Upper
55	100		
85	17.6	13.0	19.6
58	9.0	7.0	10.4
42	9.8	7.8	11.8





#41

Tetrahydrofuran

Concen: 32.058 ug/l

RT: 4.63 min Scan# 1100

Delta R.T. 0.00 min

Lab File: VU033200.D

Acq: 11 Jul 2019 19:09

Instrument :

MSVOA_U

ClientSampleId :

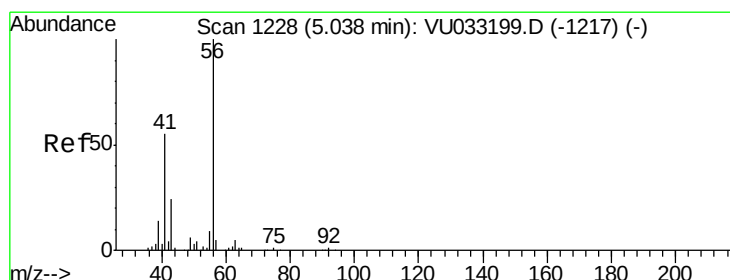
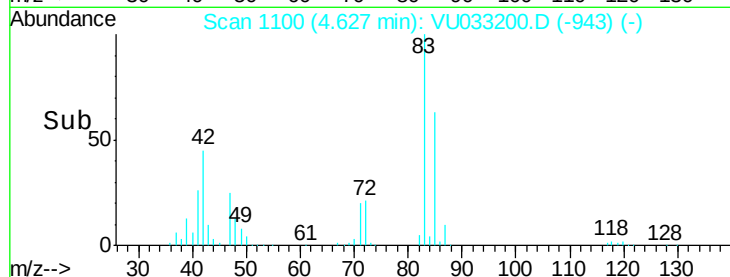
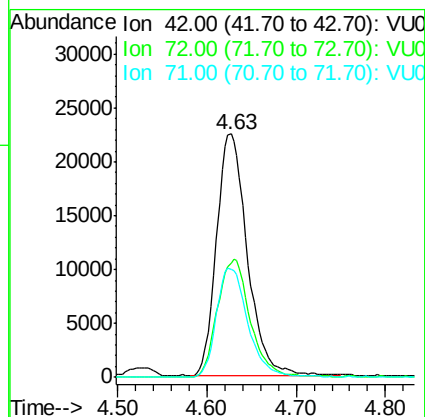
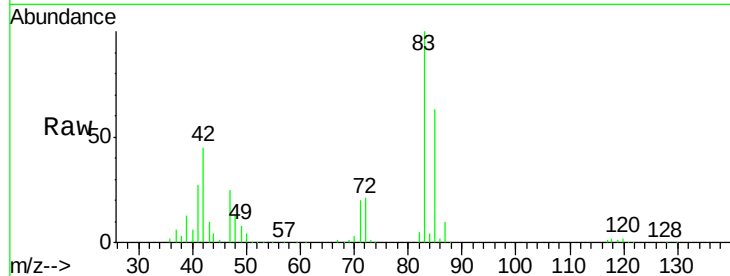
VSTDIC015

Tot Ion:	42	Resp:	53930
Ion	Ratio	Lower	Upper
42	100		
72	52.0	40.7	61.1
71	45.8	35.4	53.0

Manual Integrations
APPROVED

MMDadoda

7/16/2019 4:03:28 PM



#42

1-Chlorobutane

Concen: 14.606 ug/l

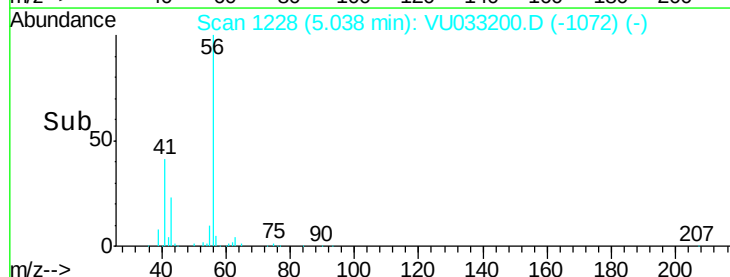
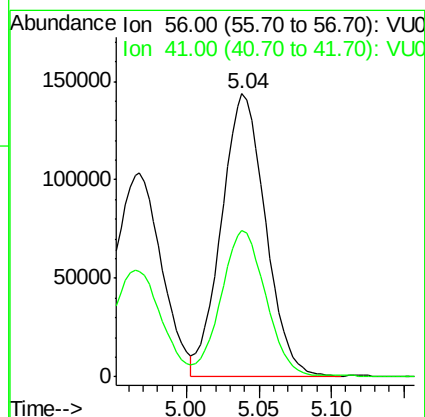
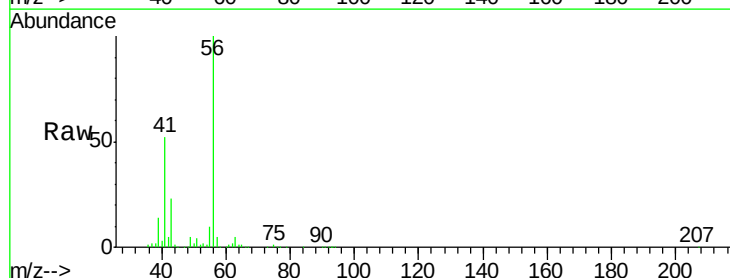
RT: 5.04 min Scan# 1228

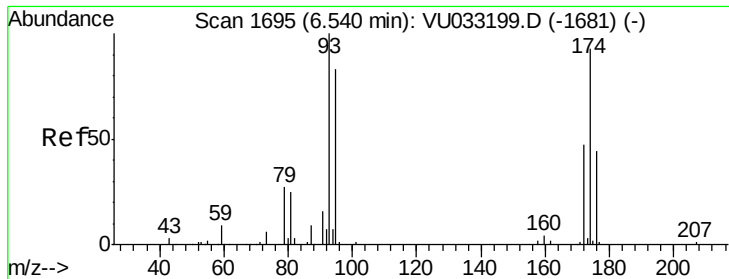
Delta R.T. -0.00 min

Lab File: VU033200.D

Acq: 11 Jul 2019 19:09

Tgt Ion:	56	Resp:	302157
Ion	Ratio	Lower	Upper
56	100		
41	51.5	26.5	79.4





#43

Dibromomethane

Concen: 14.258 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU033200.D

Acq: 11 Jul 2019 19:09

Instrument :

MSVOA_U

ClientSampleId :

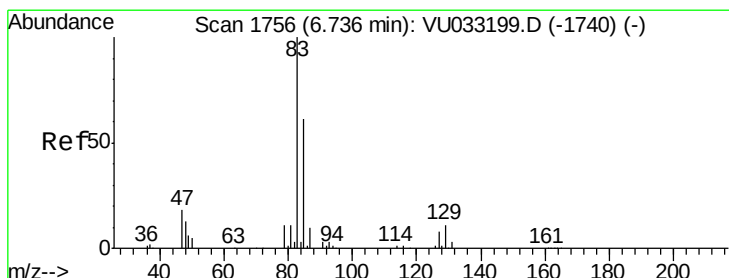
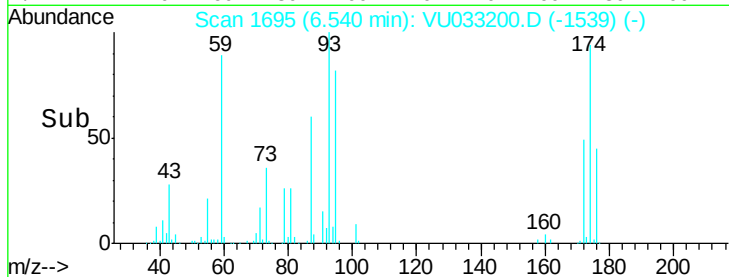
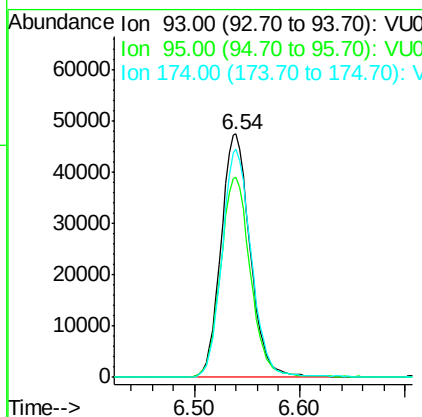
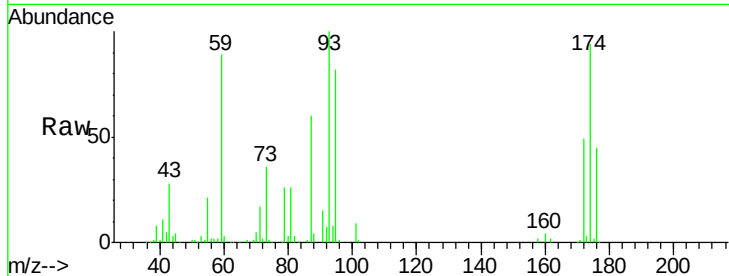
VSTDIC015

Tot Ion	Ratio	Lower	Upper
93	100		
95	83.7	67.5	101.3
174	93.0	74.2	111.2

Manual Integrations
APPROVED

MMDadoda

7/16/2019 4:03:28 PM



#44

Bromodichloromethane

Concen: 13.818 ug/l

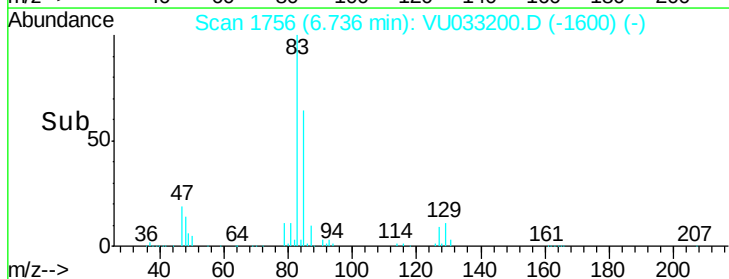
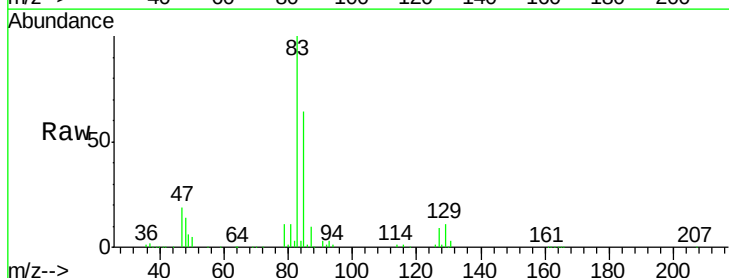
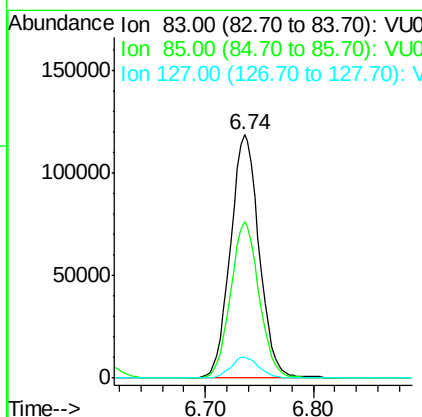
RT: 6.74 min Scan# 1756

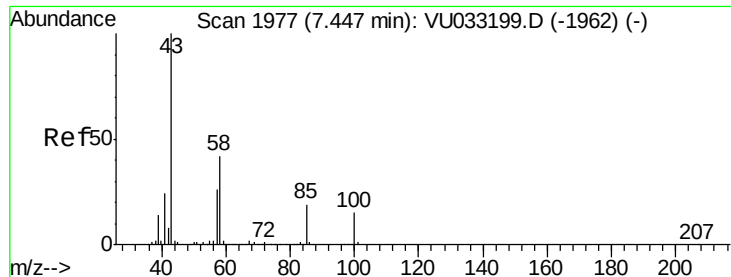
Delta R.T. -0.00 min

Lab File: VU033200.D

Acq: 11 Jul 2019 19:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	49.1	73.7
127	8.6	6.6	9.8





#45
4-Methyl-2-Pentanone
Concen: 81.828 ug/l
RT: 7.45 min Scan# 1977
Delta R.T. -0.00 min
Lab File: VU033200.D
Acq: 11 Jul 2019 19:09

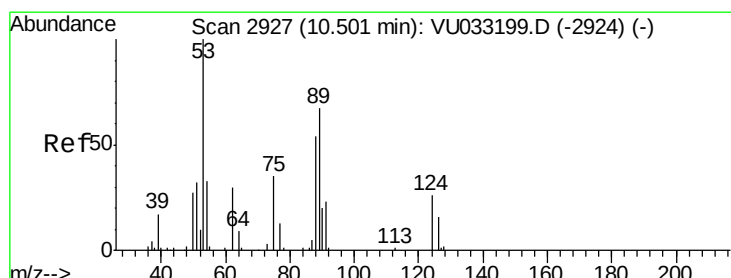
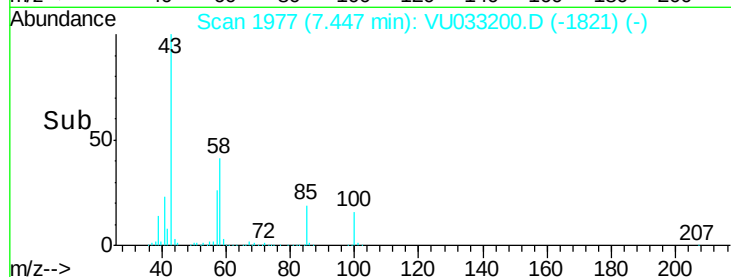
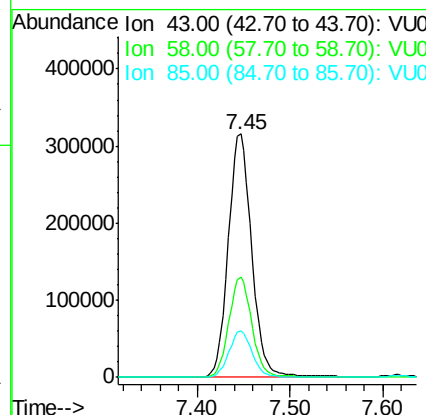
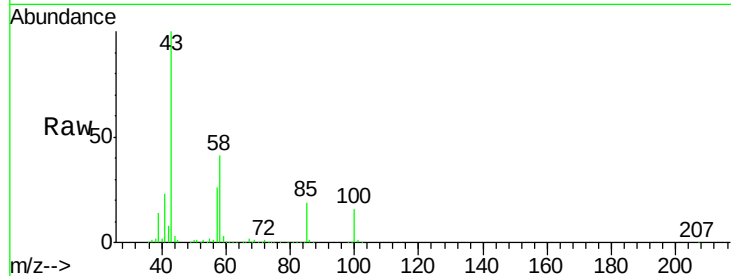
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Resp	Lower	Upper
43	100	555280		
58	40.7		20.4	61.2
85	19.0		14.7	22.1

Manual Integrations
APPROVED

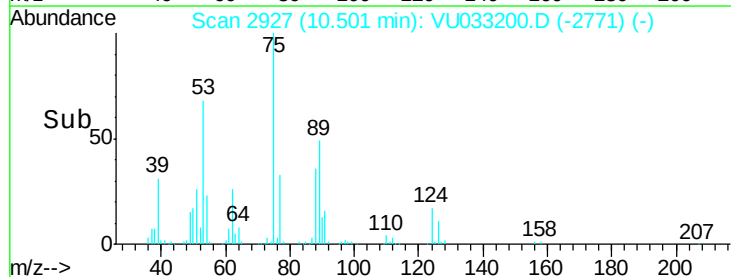
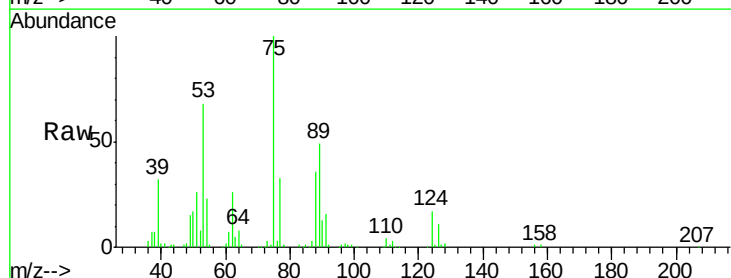
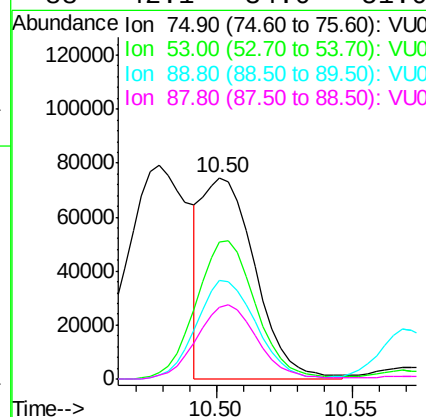
MMDadoda

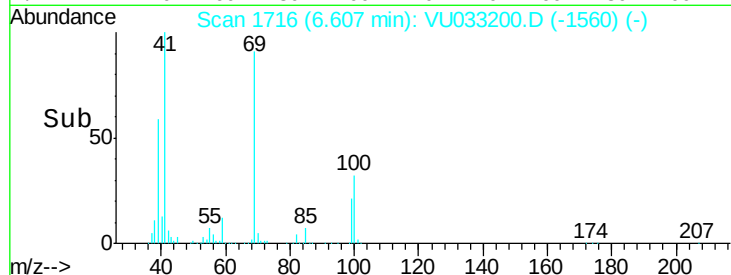
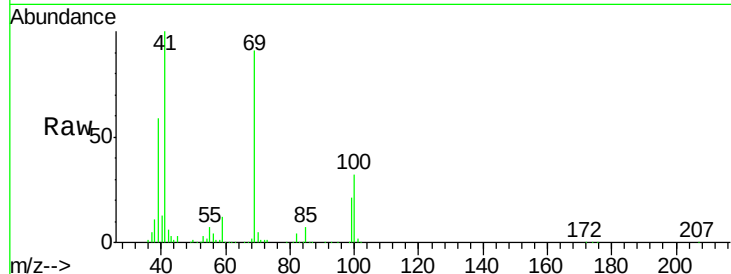
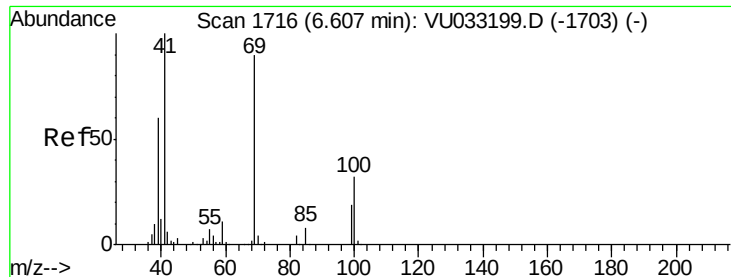
7/16/2019 4:03:28 PM



#46
t-1,4-Dichloro-2-butene
Concen: 33.289 ug/l m
RT: 10.50 min Scan# 2927
Delta R.T. 0.00 min
Lab File: VU033200.D
Acq: 11 Jul 2019 19:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	101987		
53	77.5		63.8	95.6
89	55.2		44.0	66.0
88	42.1		34.0	51.0





#47
Methyl methacrylate
Concen: 33.785 ug/l
RT: 6.61 min Scan# 1716
Delta R.T. 0.00 min
Lab File: VU033200.D
Acq: 11 Jul 2019 19:09

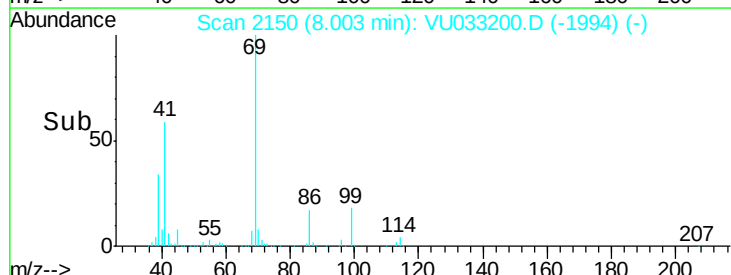
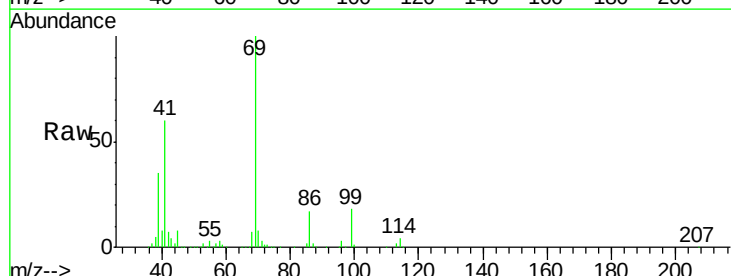
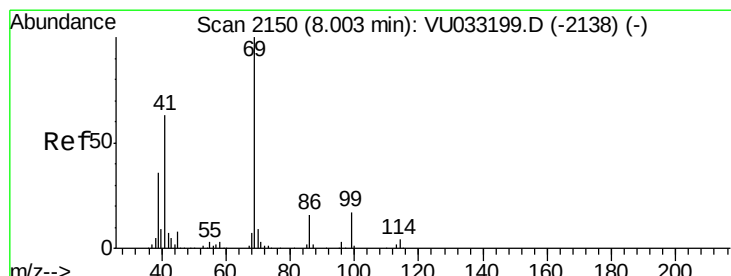
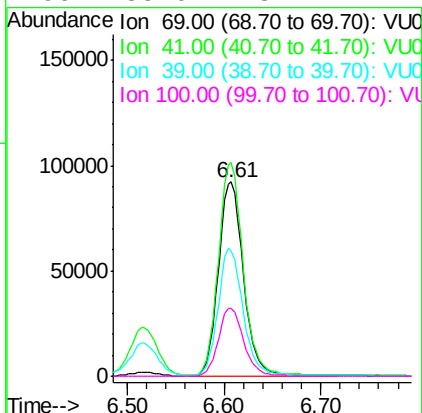
Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100		167701		
41	106.9	0.0	217.0		
39	64.4	52.1	78.1		
100	35.0	28.2	42.4		

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Manual Integrations
APPROVED

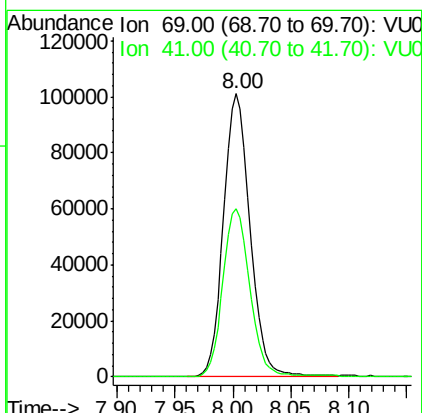
MMDadoda

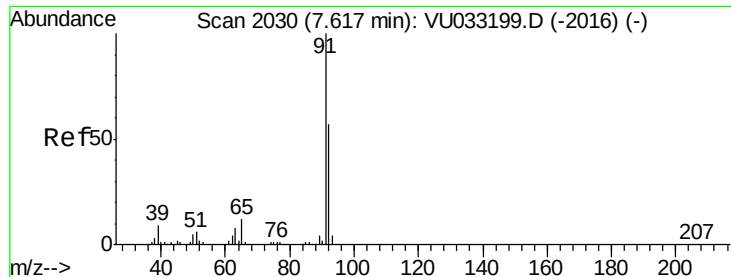
7/16/2019 4:03:28 PM



#48
Ethyl methacrylate
Concen: 17.441 ug/l
RT: 8.00 min Scan# 2150
Delta R.T. -0.00 min
Lab File: VU033200.D
Acq: 11 Jul 2019 19:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		160281		
41	60.6	31.3	93.8		





#49

Toluene

Concen: 15.316 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU033200.D

Acq: 11 Jul 2019 19:09

Instrument :

MSVOA_U

ClientSampled :

VSTDIC015

Tot Ion: 92 Resp: 399465

Ion Ratio Lower Upper

92 100

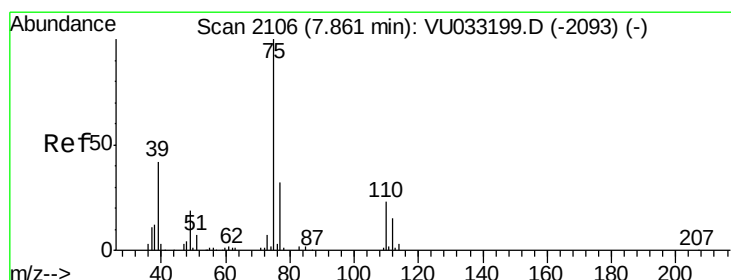
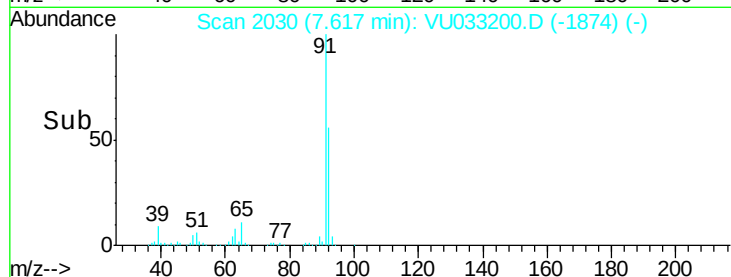
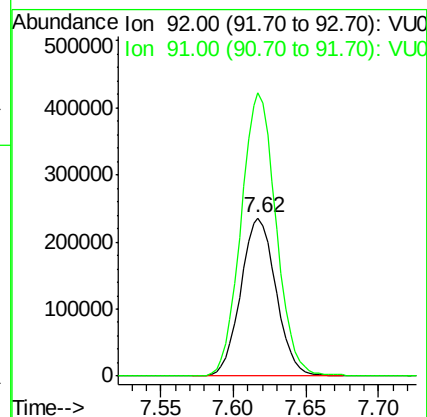
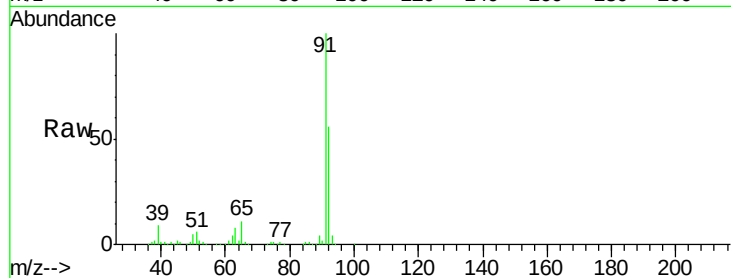
91 178.6 141.2 211.8

Manual Integrations

APPROVED

MMDadoda

7/16/2019 4:03:28 PM



#50

t-1,3-Dichloropropene

Concen: 15.364 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU033200.D

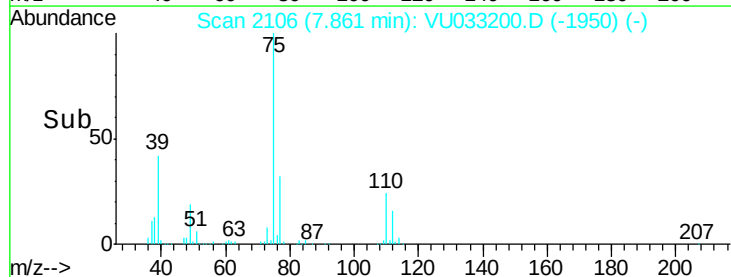
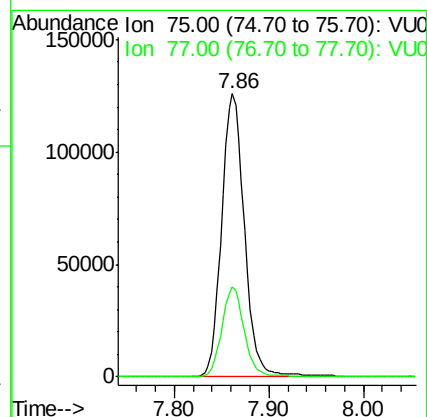
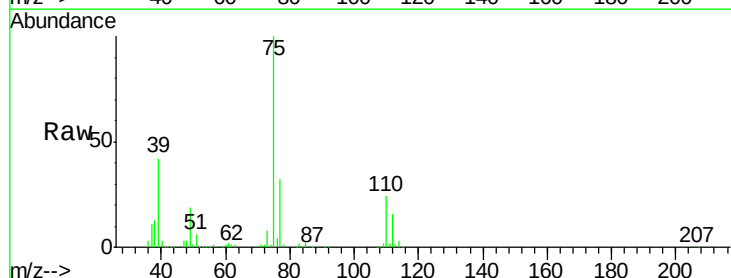
Acq: 11 Jul 2019 19:09

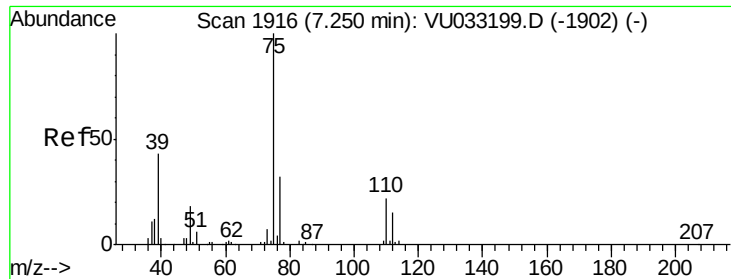
Tgt Ion: 75 Resp: 211064

Ion Ratio Lower Upper

75 100

77 31.7 25.2 37.8





#51
 cis-1,3-Dichloropropene
 Concen: 15.041 ug/l
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VU033200.D
 Acq: 11 Jul 2019 19:09

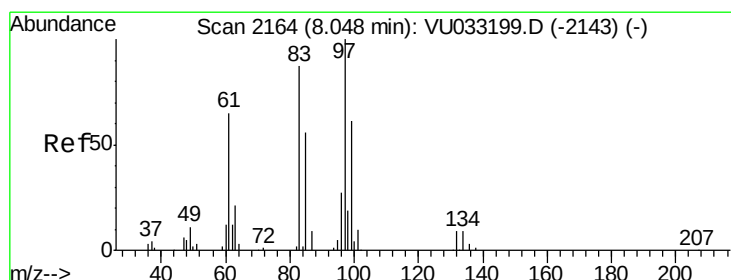
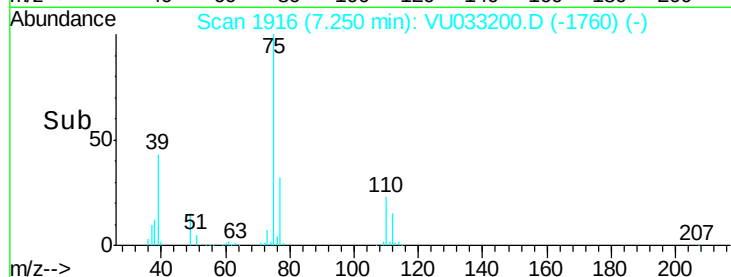
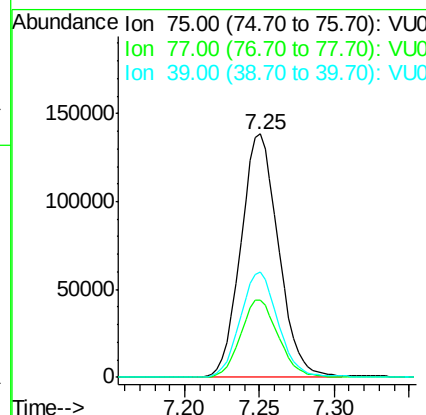
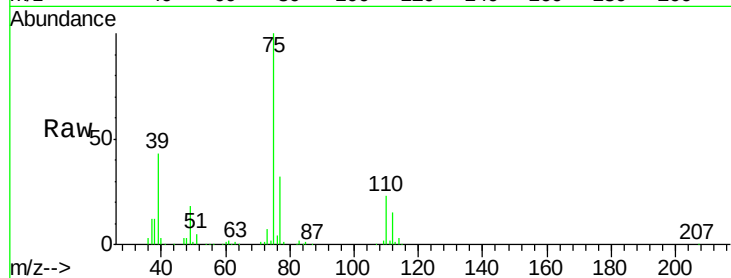
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tot Ion:	75	Resp:	242911
Ion Ratio	Lower	Upper	
75	100		
77	31.7	25.4	38.0
39	42.9	34.5	51.7

Manual Integrations
 APPROVED

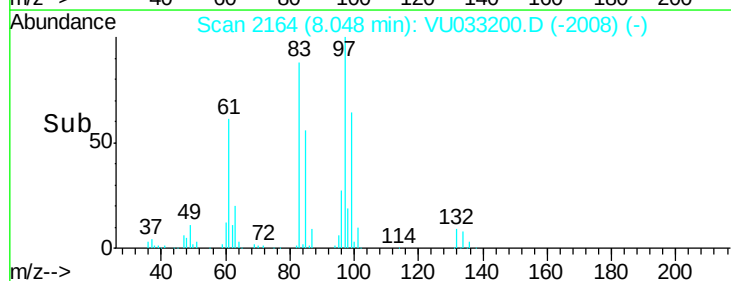
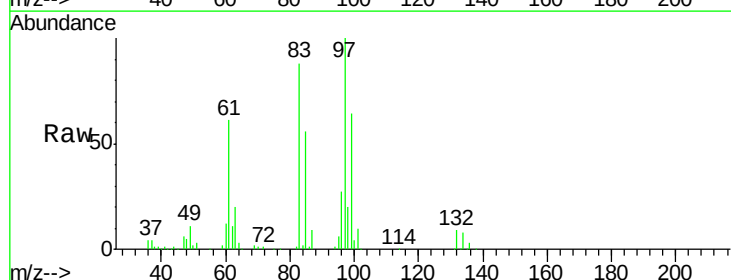
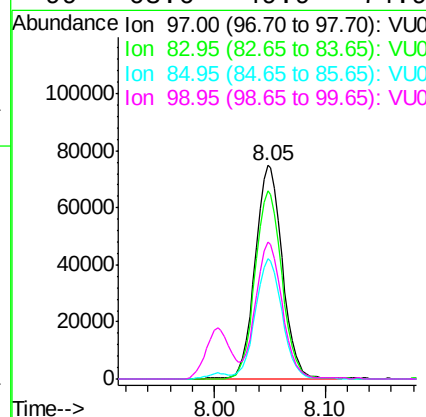
MMDadoda

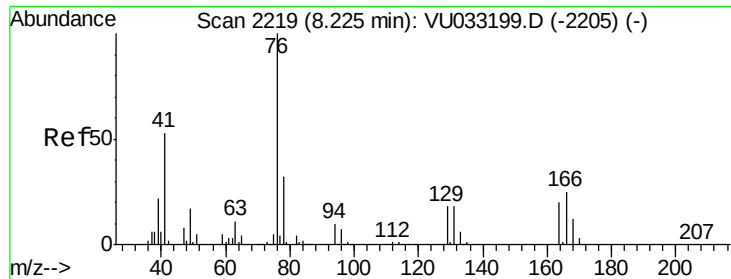
7/16/2019 4:03:28 PM



#52
 1,1,2-Trichloroethane
 Concen: 14.506 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VU033200.D
 Acq: 11 Jul 2019 19:09

Tgt Ion:	97	Resp:	127923
Ion Ratio	Lower	Upper	
97	100		
83	88.0	69.9	104.9
85	56.0	45.2	67.8
99	63.6	49.9	74.9





#53

1,3-Dichloropropane

Concen: 14.808 ug/l

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU033200.D

Acq: 11 Jul 2019 19:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion: 76 Resp: 219384

Ion Ratio Lower Upper

76 100

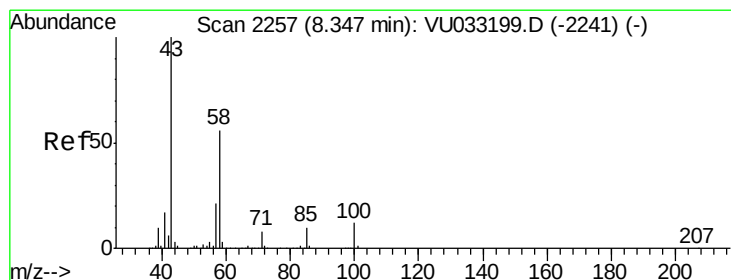
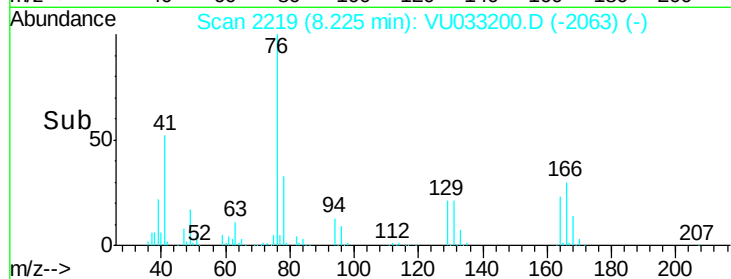
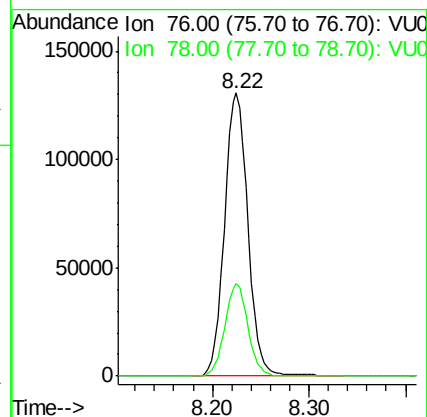
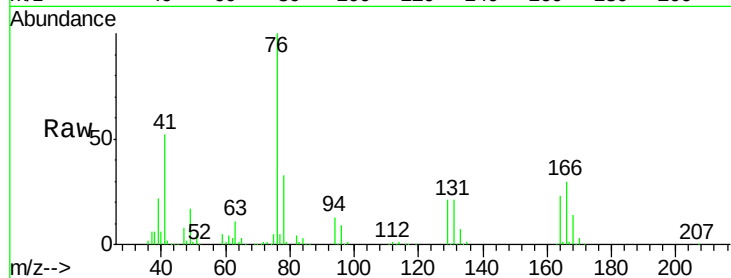
78 32.0 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

7/16/2019 4:03:28 PM



#54

2-Hexanone

Concen: 86.400 ug/l

RT: 8.35 min Scan# 2257

Delta R.T. -0.00 min

Lab File: VU033200.D

Acq: 11 Jul 2019 19:09

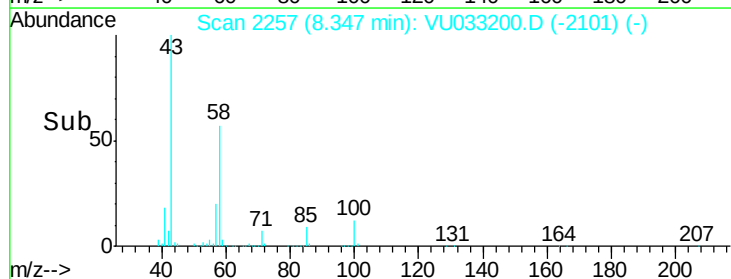
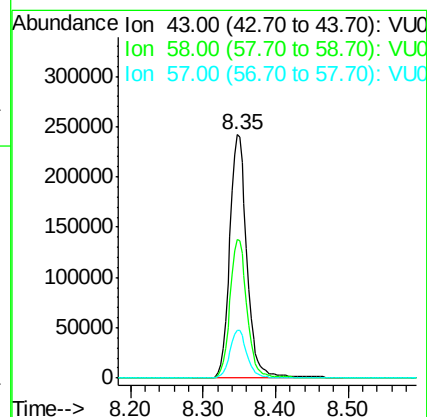
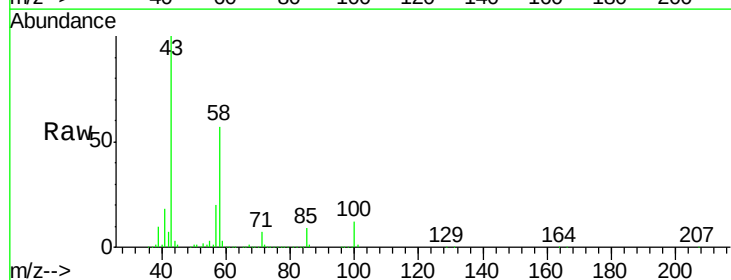
Tgt Ion: 43 Resp: 399292

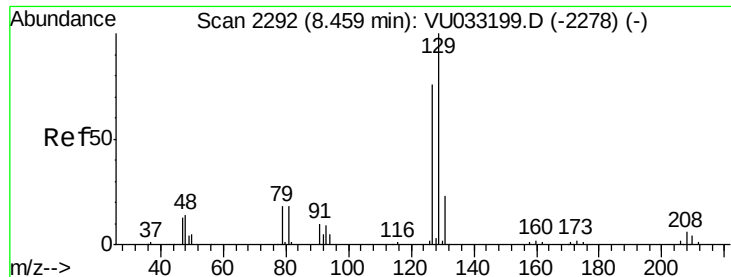
Ion Ratio Lower Upper

43 100

58 56.3 35.8 75.8

57 19.5 0.2 40.2





#55

Dibromochloromethane

Concen: 14.613 ug/l

RT: 8.46 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VU033200.D

Acq: 11 Jul 2019 19:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion:129 Resp: 150521

Ion Ratio Lower Upper

129 100

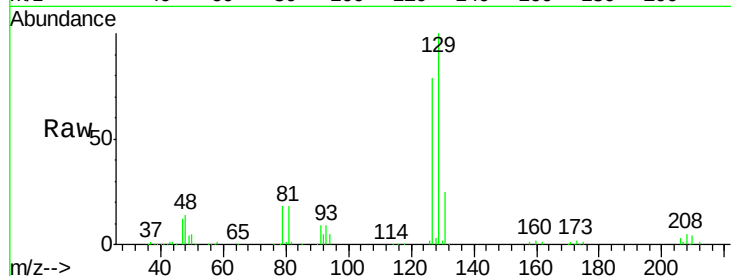
127 78.1 62.9 94.3

Manual Integrations

APPROVED

MMDadoda

7/16/2019 4:03:28 PM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.46

100000

80000

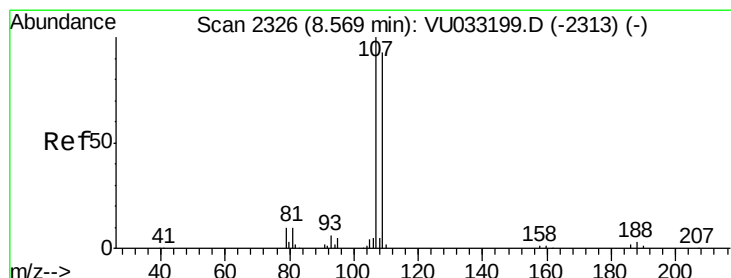
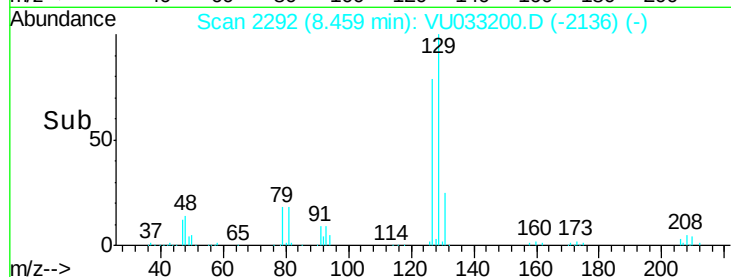
60000

40000

20000

0

Time-->



#56

1,2-Dibromoethane

Concen: 14.916 ug/l

RT: 8.57 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VU033200.D

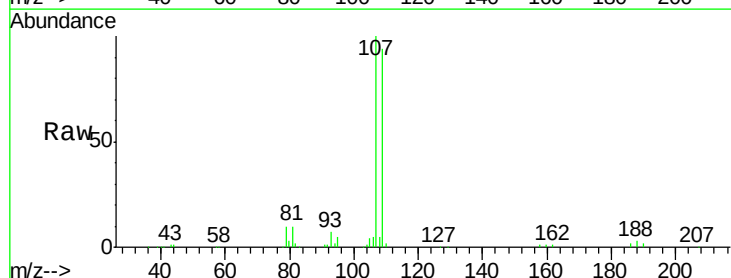
Acq: 11 Jul 2019 19:09

Tgt Ion:107 Resp: 120280

Ion Ratio Lower Upper

107 100

109 94.2 0.0 189.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.57

80000

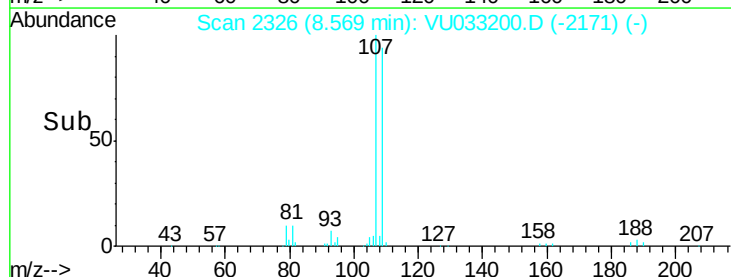
60000

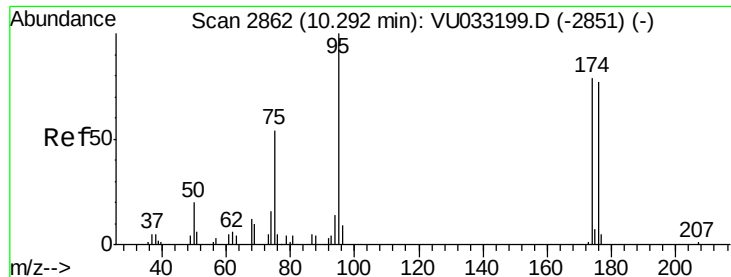
40000

20000

0

Time-->





#57
4-Bromofluorobenzene
Concen: 1.007 ug/l
RT: 10.29 min Scan# 2862
Delta R.T. -0.00 min
Lab File: VU033200.D
Acq: 11 Jul 2019 19:09

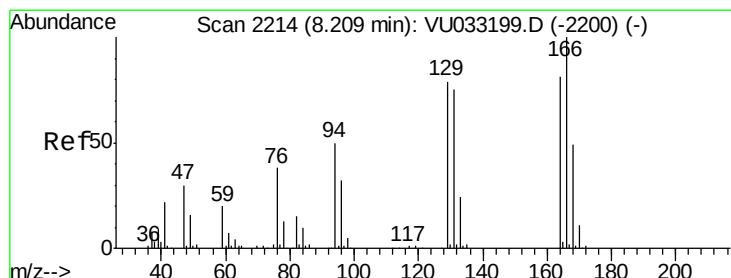
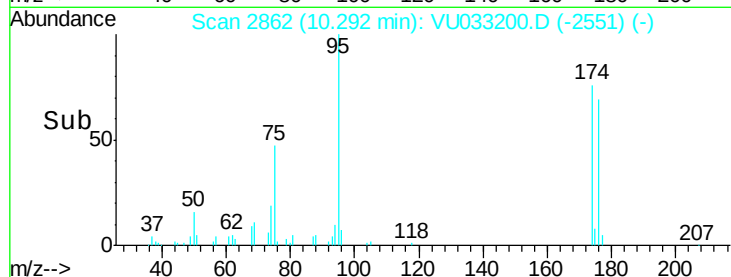
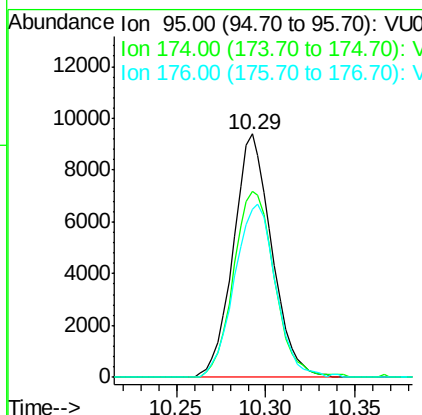
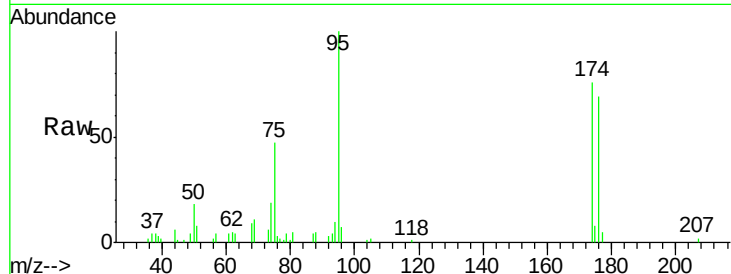
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
95	100		
174	81.1	63.8	95.8
176	76.1	64.5	96.7

Manual Integrations
APPROVED

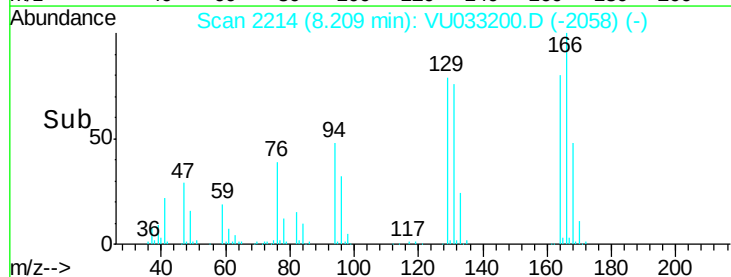
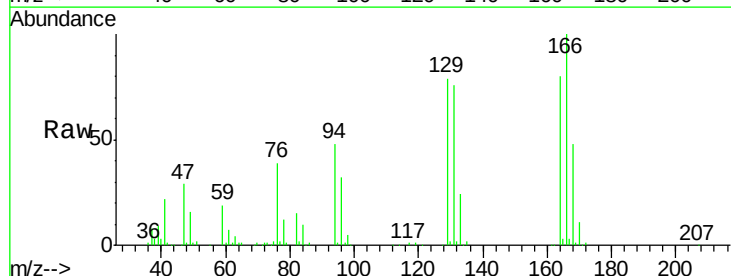
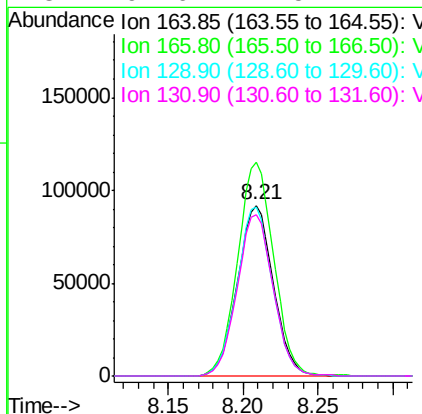
MMDadoda

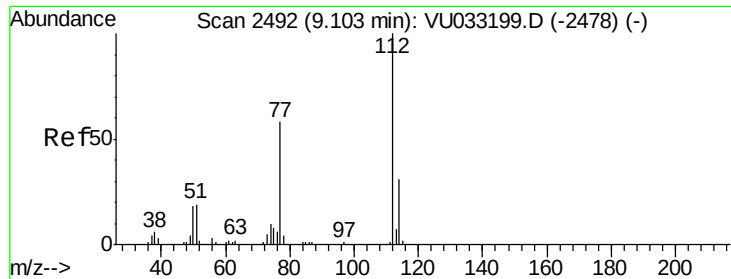
7/16/2019 4:03:28 PM



#58
Tetrachloroethene
Concen: 14.654 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VU033200.D
Acq: 11 Jul 2019 19:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.2	99.3	148.9
129	99.1	78.0	117.0
131	94.6	74.5	111.7





#59
Chlorobenzene
Concen: 15.602 ug/l
RT: 9.10 min Scan# 2492
Delta R.T. -0.00 min
Lab File: VU033200.D
Acq: 11 Jul 2019 19:09

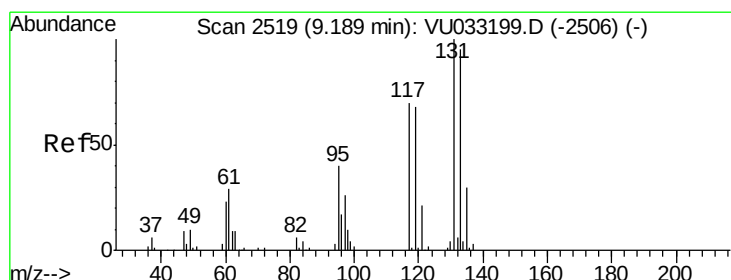
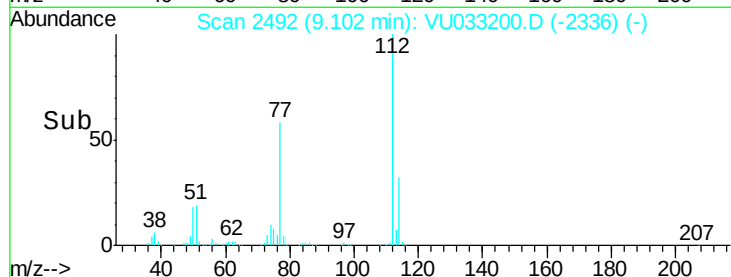
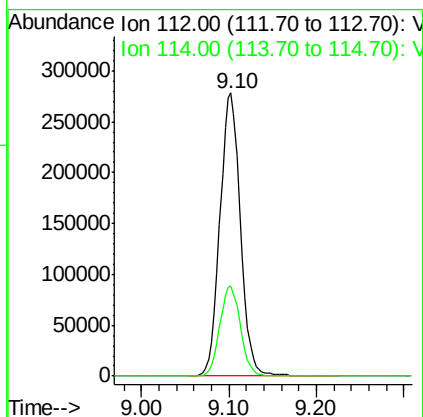
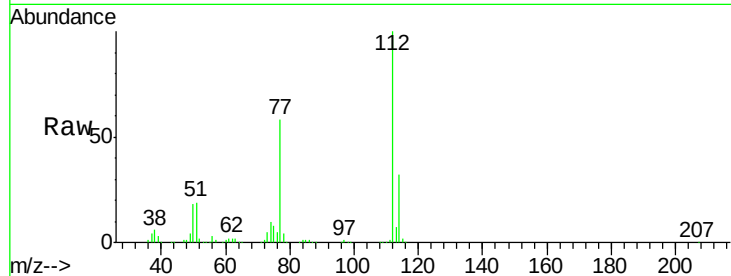
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion:112 Resp: 453023
Ion Ratio Lower Upper
112 100
114 31.6 25.1 37.7

Manual Integrations
APPROVED

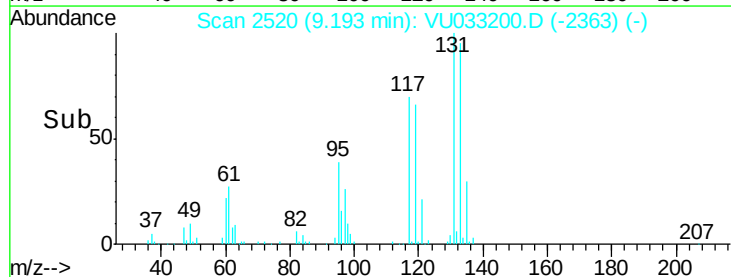
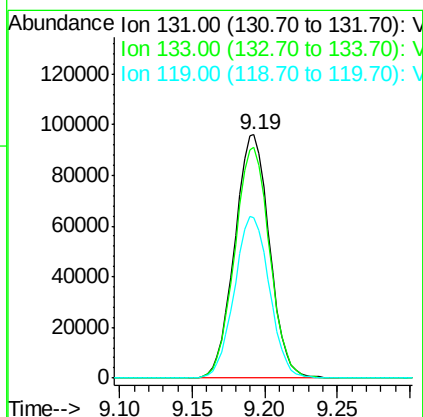
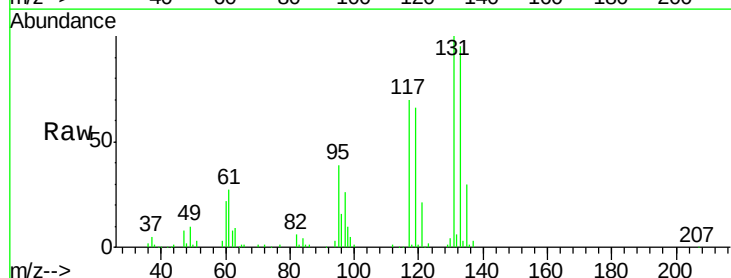
MMDadoda

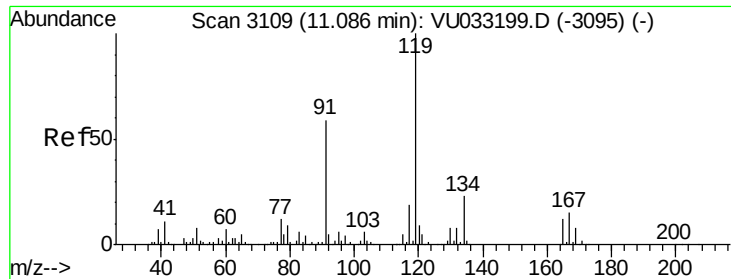
7/16/2019 4:03:28 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 14.476 ug/l
RT: 9.19 min Scan# 2520
Delta R.T. 0.00 min
Lab File: VU033200.D
Acq: 11 Jul 2019 19:09

Tgt Ion:131 Resp: 160923
Ion Ratio Lower Upper
131 100
133 95.0 76.7 115.1
119 66.7 54.2 81.2





#61
 Pentachloroethane
 Concen: 14.274 ug/l
 RT: 11.09 min Scan# 3109
 Delta R.T. -0.00 min
 Lab File: VU033200.D
 Acq: 11 Jul 2019 19:09

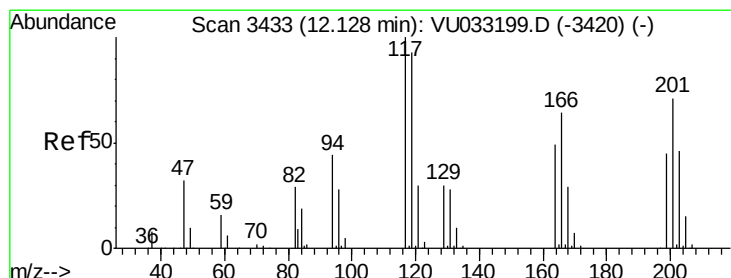
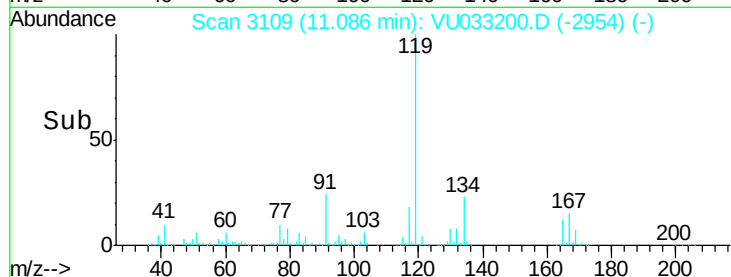
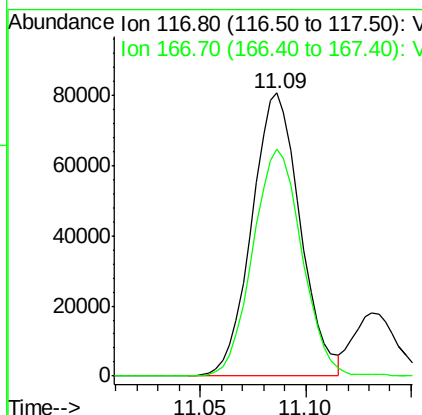
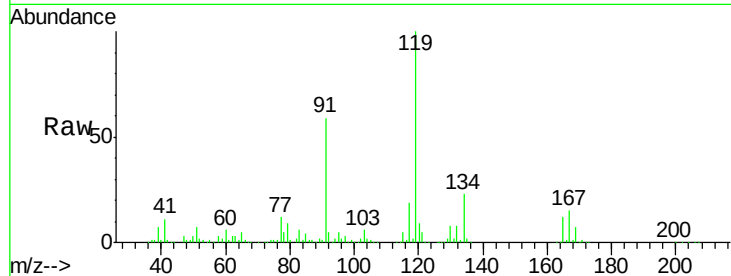
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tot Ion:117 Resp: 128906
 Ion Ratio Lower Upper
 117 100
 167 81.5 63.6 95.4

Manual Integrations
 APPROVED

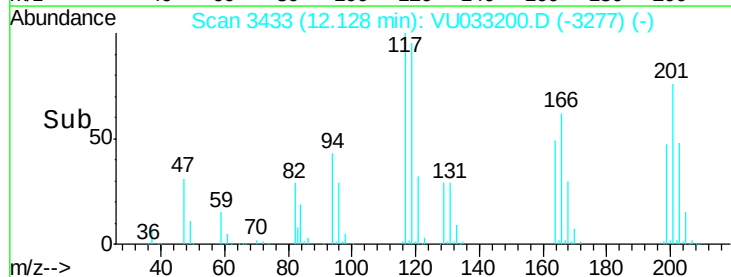
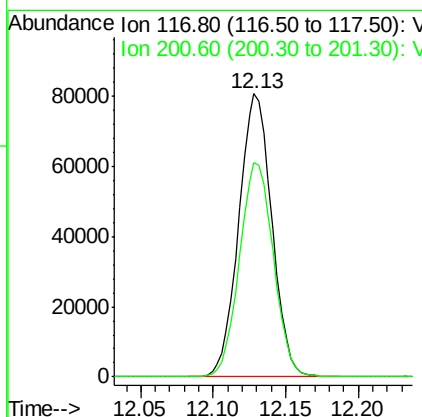
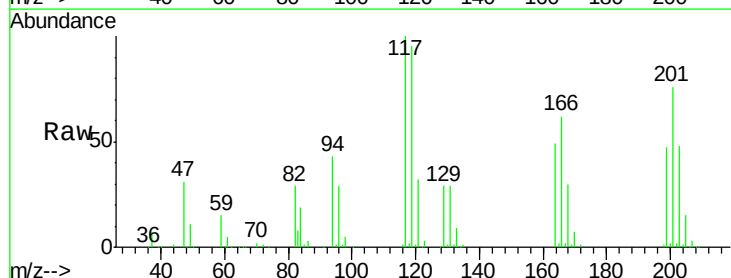
MMDadoda

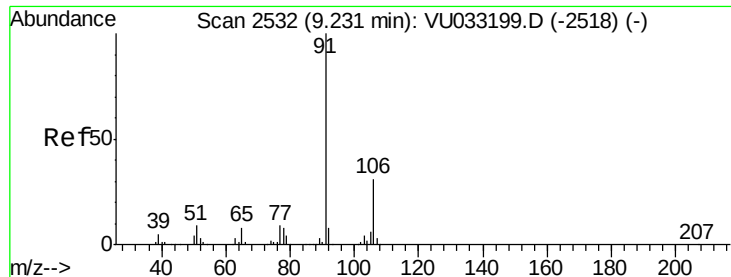
7/16/2019 4:03:28 PM



#62
 Hexachloroethane
 Concen: 14.766 ug/l
 RT: 12.13 min Scan# 3433
 Delta R.T. -0.00 min
 Lab File: VU033200.D
 Acq: 11 Jul 2019 19:09

Tgt Ion:117 Resp: 128045
 Ion Ratio Lower Upper
 117 100
 201 77.5 58.5 87.7





#63
Ethyl Benzene
Concen: 16.439 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. -0.00 min
Lab File: VU033200.D
Acq: 11 Jul 2019 19:09

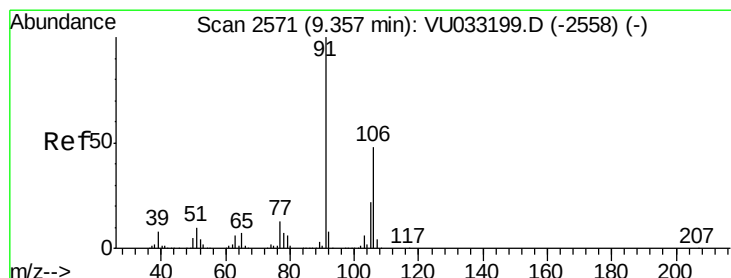
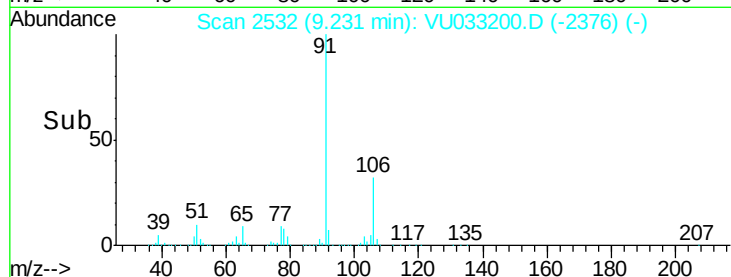
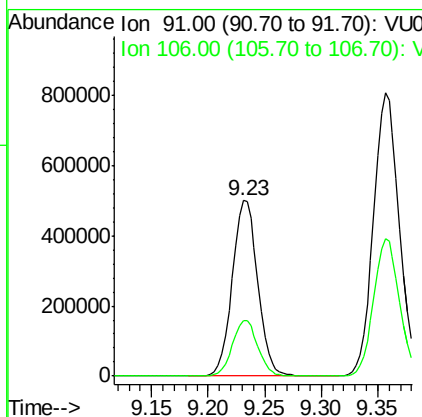
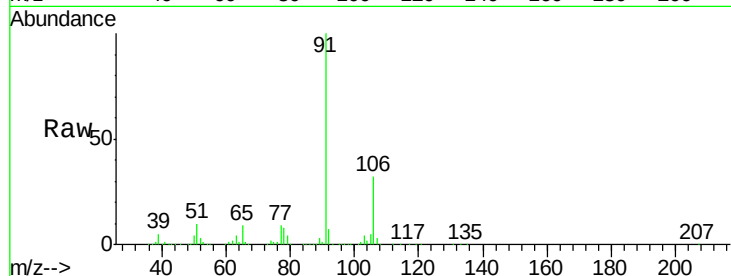
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	91	Resp	786309
Ion Ratio	100	Lower	Upper
106	31.5	24.9	37.3

Manual Integrations
APPROVED

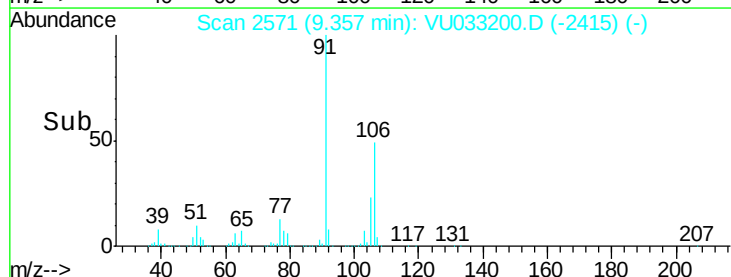
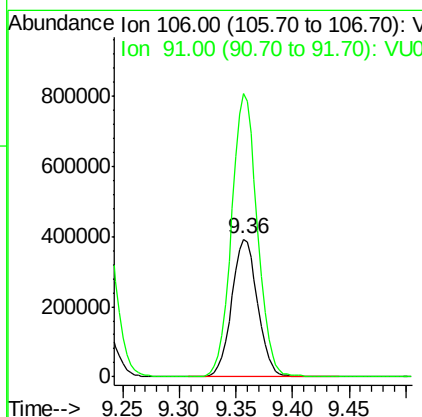
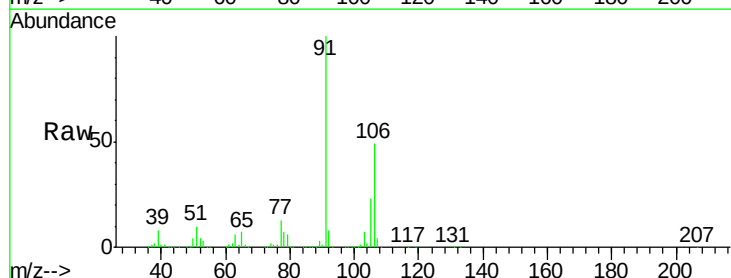
MMDadoda

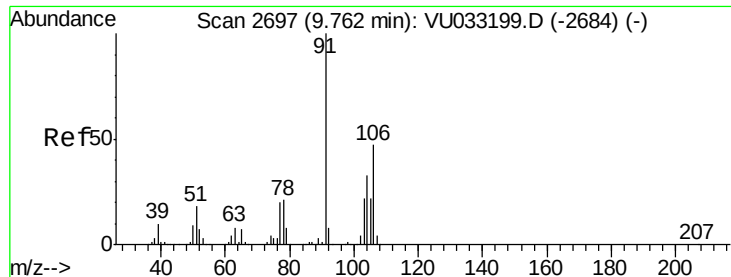
7/16/2019 4:03:28 PM



#64
m/p-Xylenes
Concen: 33.413 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU033200.D
Acq: 11 Jul 2019 19:09

Tgt Ion	106	Resp	622753
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
91	204.5	164.8	247.2





#65

o-Xylene

Concen: 16.618 ug/l

RT: 9.76 min Scan# 2697

Delta R.T. -0.00 min

Lab File: VU033200.D

Acq: 11 Jul 2019 19:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion:106 Resp: 297431

Ion Ratio Lower Upper

106 100

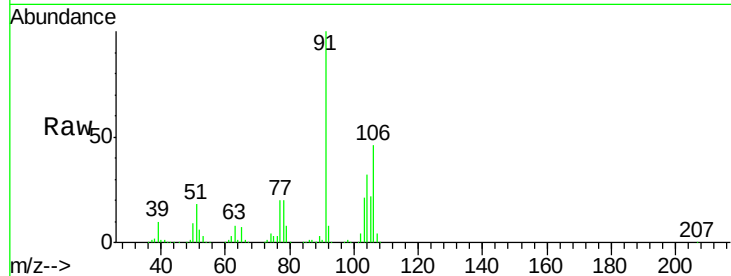
91 214.8 108.6 325.8

Manual Integrations

APPROVED

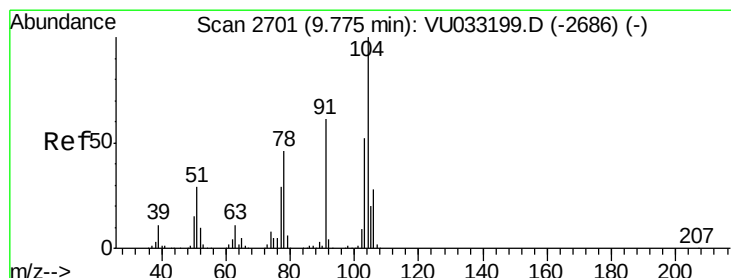
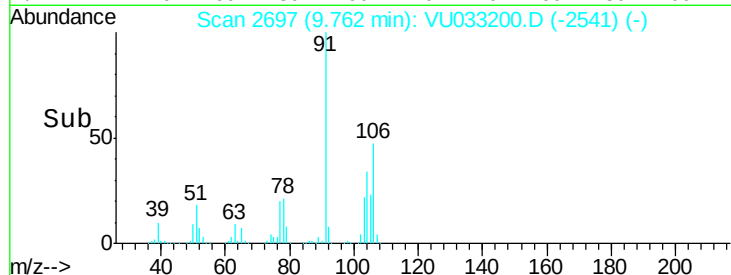
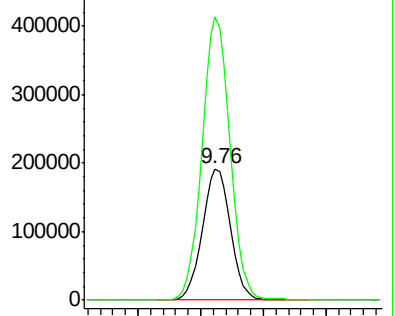
MMDadoda

7/16/2019 4:03:28 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 17.102 ug/l

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU033200.D

Acq: 11 Jul 2019 19:09

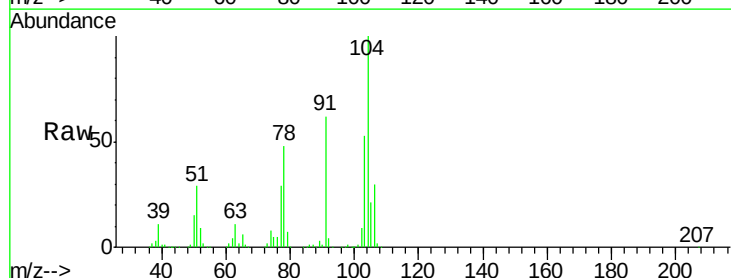
Tgt Ion:104 Resp: 515406

Ion Ratio Lower Upper

104 100

78 50.9 40.4 60.6

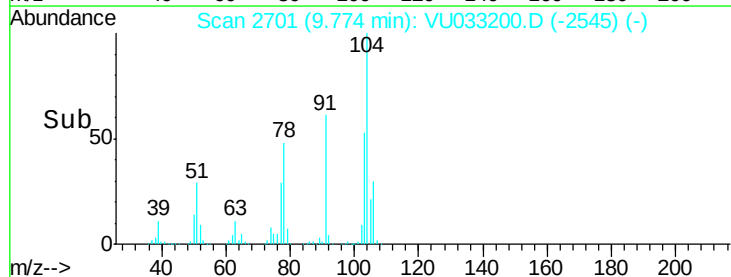
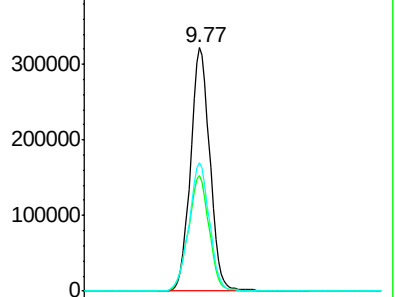
103 55.6 44.3 66.5

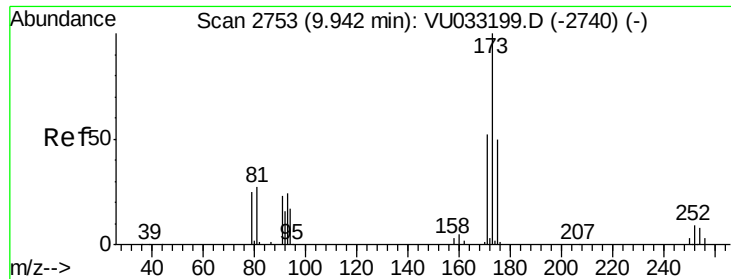


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 15.814 ug/l

RT: 9.94 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VU033200.D

Acq: 11 Jul 2019 19:09

Instrument :

MSVOA_U

ClientSampleId :

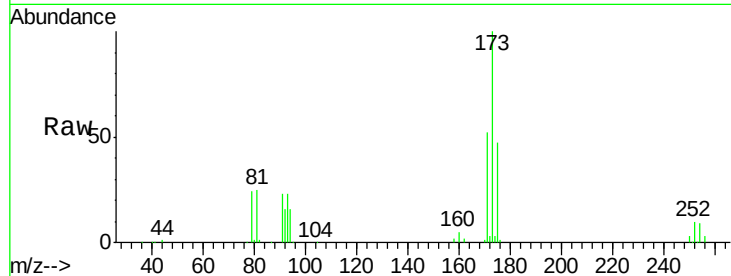
VSTDIC015

Tot Ion:	173	Resp:	89179
Ion Ratio	Lower	Upper	
173	100		
175	48.6	39.4	59.0
254	8.6	6.9	10.3

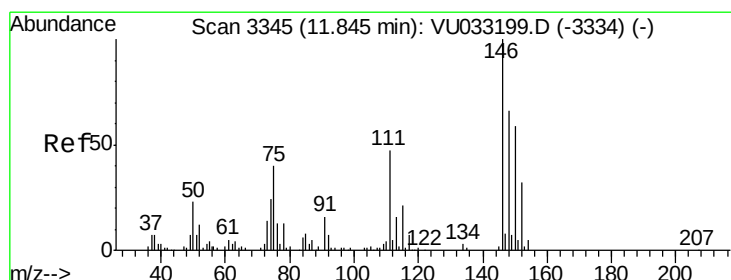
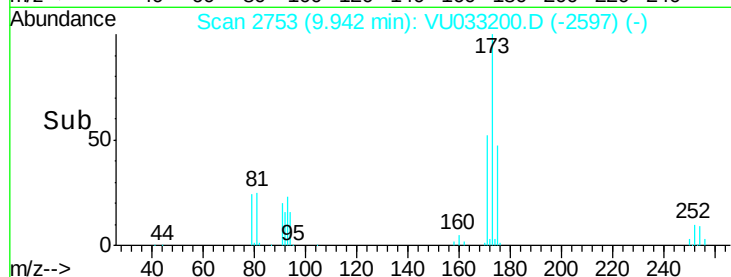
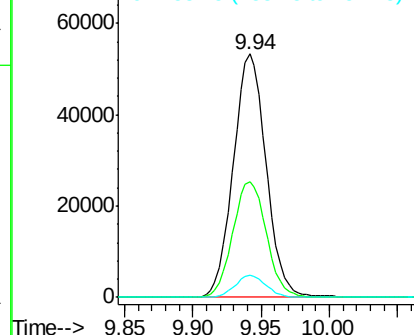
Manual Integrations
APPROVED

MMDadoda

7/16/2019 4:03:28 PM



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 1.083 ug/l

RT: 11.85 min Scan# 3345

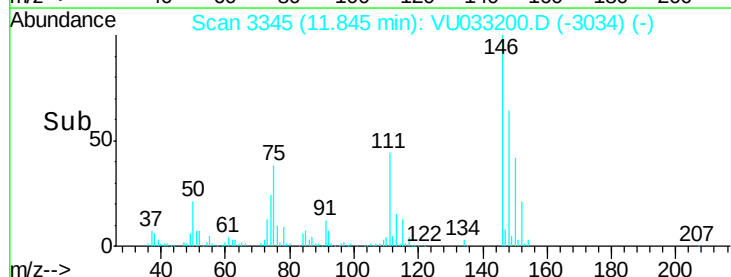
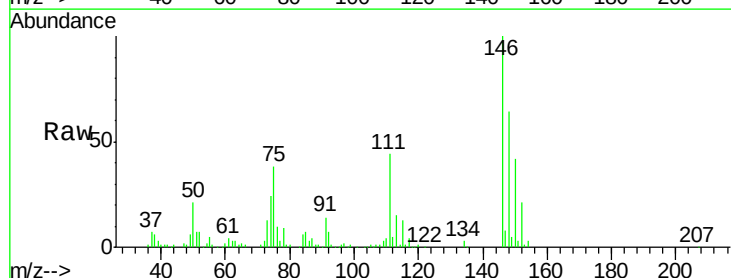
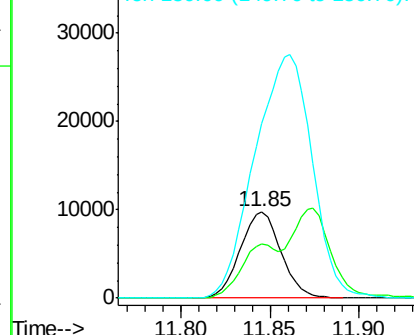
Delta R.T. -0.00 min

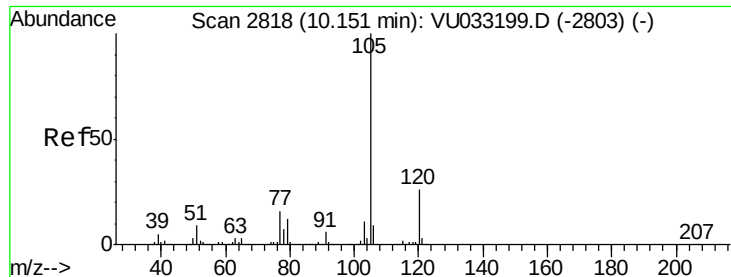
Lab File: VU033200.D

Acq: 11 Jul 2019 19:09

Tgt Ion:	152	Resp:	15647
Ion Ratio	Lower	Upper	
152	100		
115	55.5	0.0	131.0
150	0.0	0.0	634.4

Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 16.859 ug/l

RT: 10.15 min Scan# 2818

Delta R.T. 0.00 min

Lab File: VU033200.D

Acq: 11 Jul 2019 19:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion:105 Resp: 787953

Ion Ratio Lower Upper

105 100

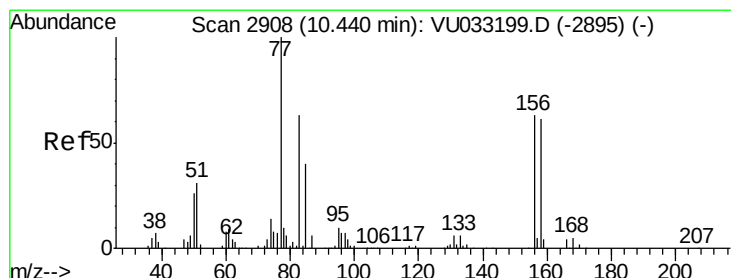
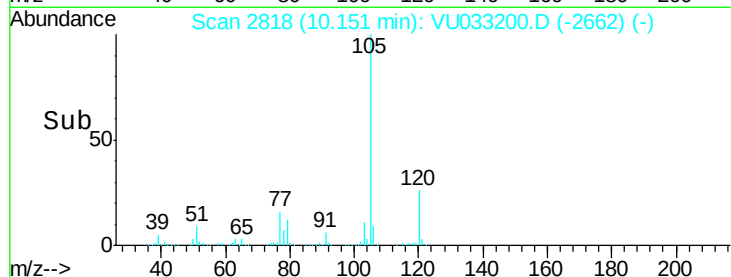
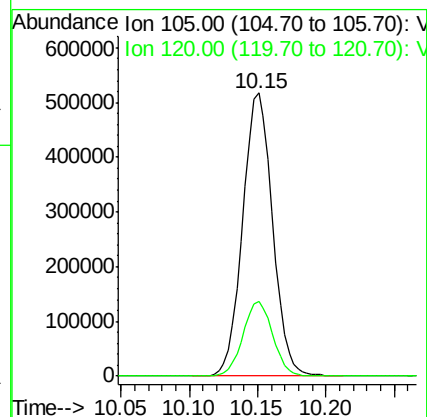
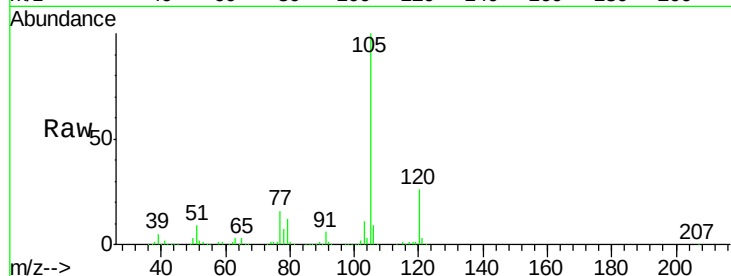
120 26.3 13.2 39.6

Manual Integrations

APPROVED

MMDadoda

7/16/2019 4:03:28 PM



#70

1,1,2,2-Tetrachloroethane

Concen: 14.901 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VU033200.D

Acq: 11 Jul 2019 19:09

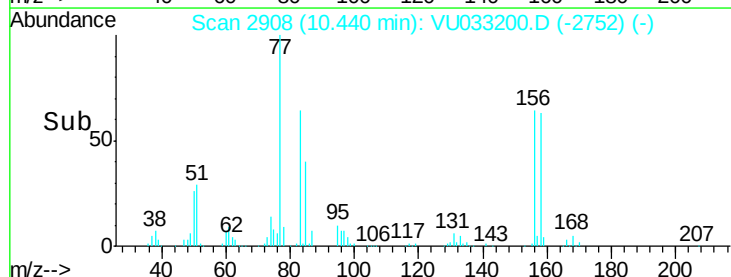
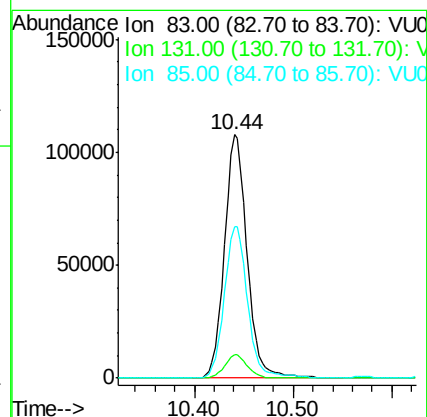
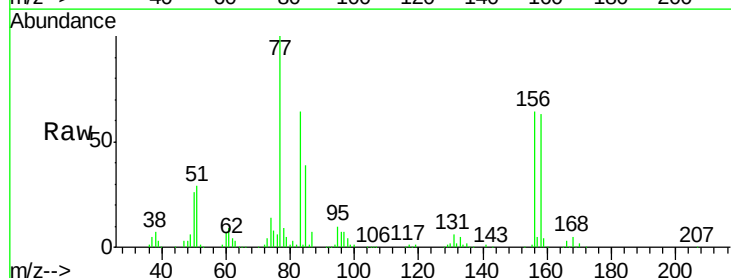
Tgt Ion: 83 Resp: 173844

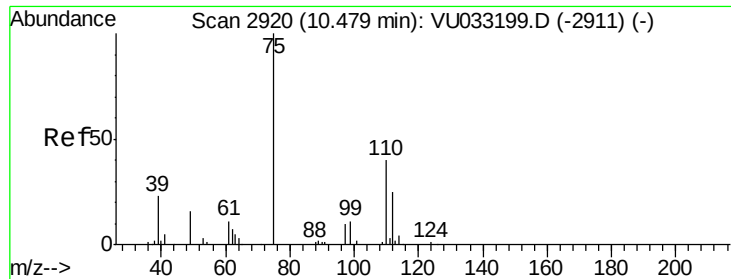
Ion Ratio Lower Upper

83 100

131 9.7 8.0 12.0

85 64.3 50.6 76.0





#71
1,2,3-Trichloropropane
Concen: 15.150 ug/l m
RT: 10.48 min Scan# 2920
Delta R.T. -0.00 min
Lab File: VU033200.D
Acq: 11 Jul 2019 19:09

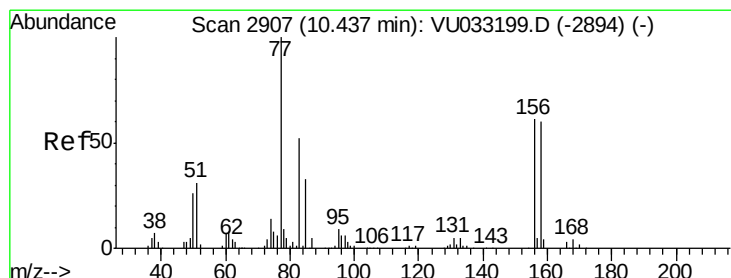
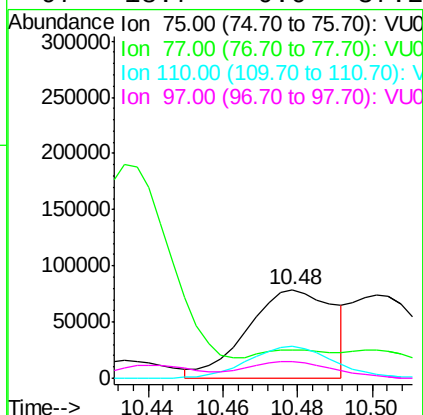
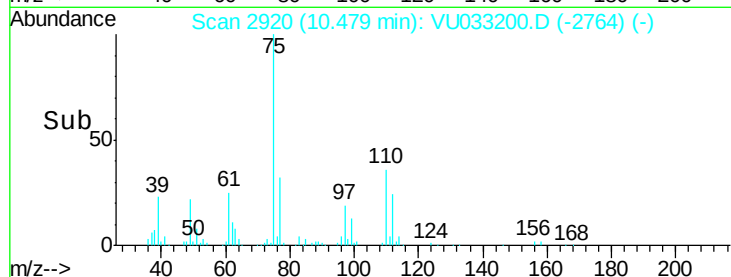
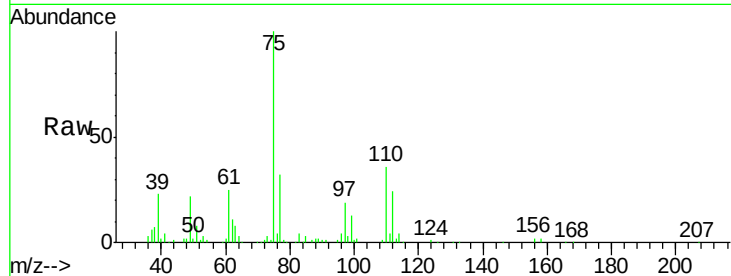
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	15.4
110	35.9	0.0	72.2
97	18.7	0.0	37.2

Manual Integrations
APPROVED

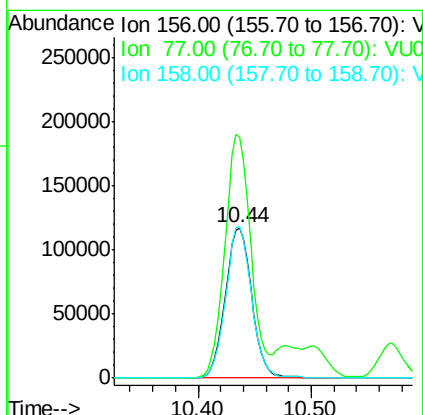
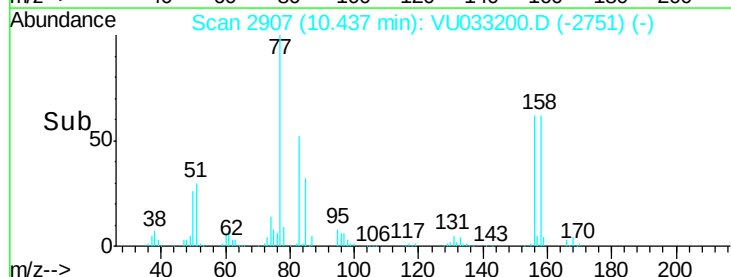
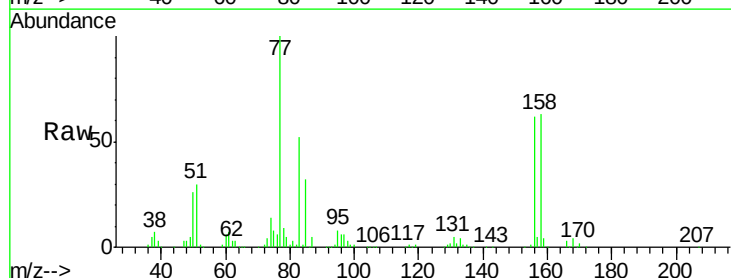
MMDadoda

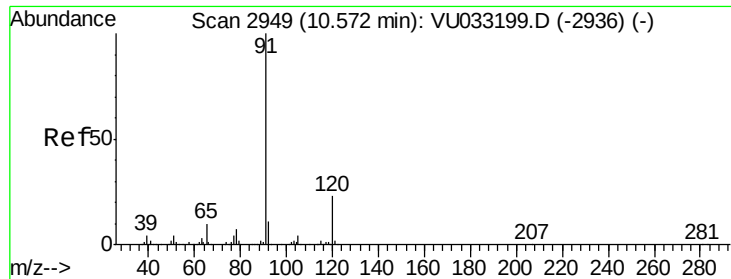
7/16/2019 4:03:28 PM



#72
Bromobenzene
Concen: 16.045 ug/l
RT: 10.44 min Scan# 2907
Delta R.T. -0.00 min
Lab File: VU033200.D
Acq: 11 Jul 2019 19:09

Tgt Ion	Ratio	Lower	Upper
156	100		
77	158.7	0.0	326.0
158	98.4	0.0	193.2





#73

n-propylbenzene

Concen: 17.369 ug/l

RT: 10.57 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU033200.D

Acq: 11 Jul 2019 19:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion:120 Resp: 225726

Ion Ratio Lower Upper

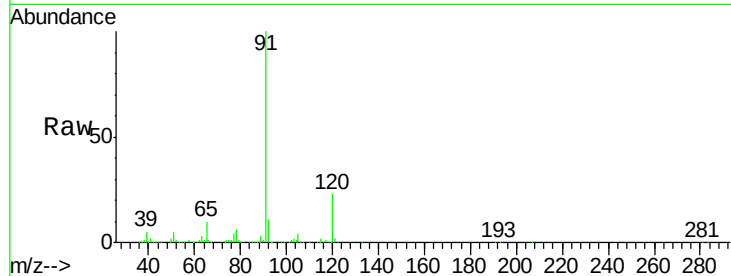
120 100

91 437.6 349.0 523.4

Manual Integrations
APPROVED

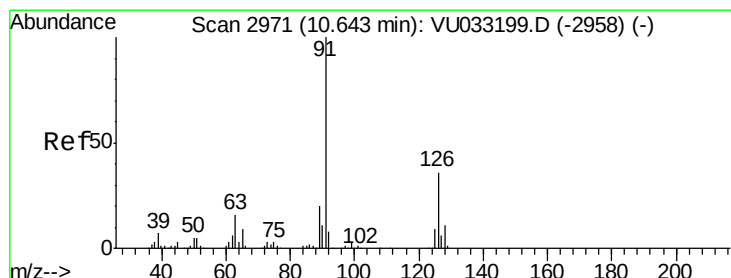
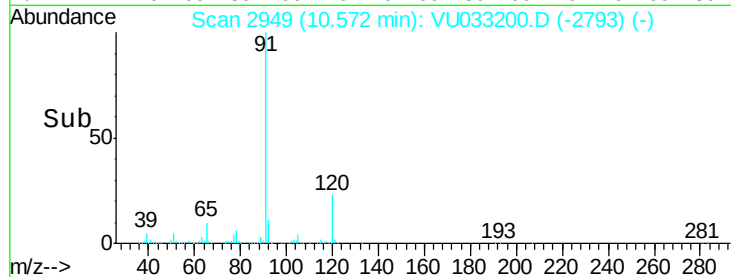
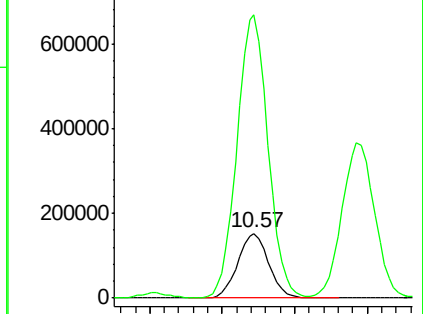
MMDadoda

7/16/2019 4:03:28 PM



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 16.122 ug/l

RT: 10.65 min Scan# 2972

Delta R.T. 0.00 min

Lab File: VU033200.D

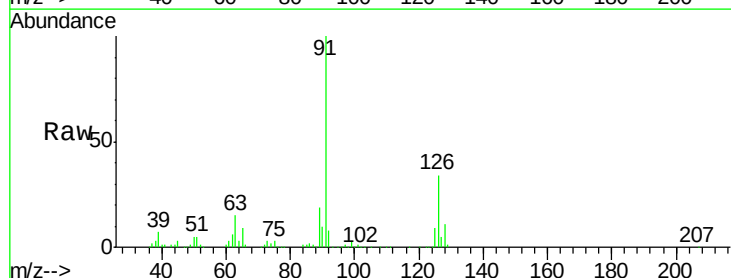
Acq: 11 Jul 2019 19:09

Tgt Ion:126 Resp: 191587

Ion Ratio Lower Upper

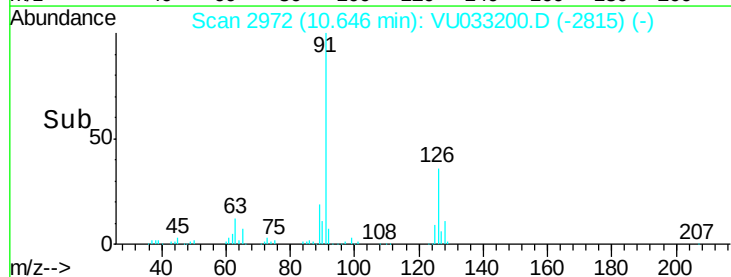
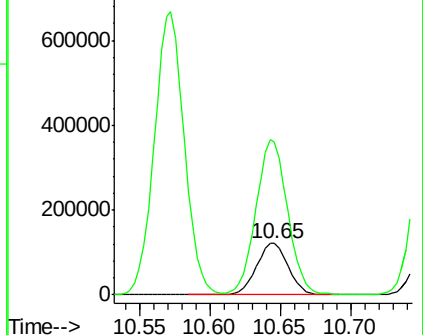
126 100

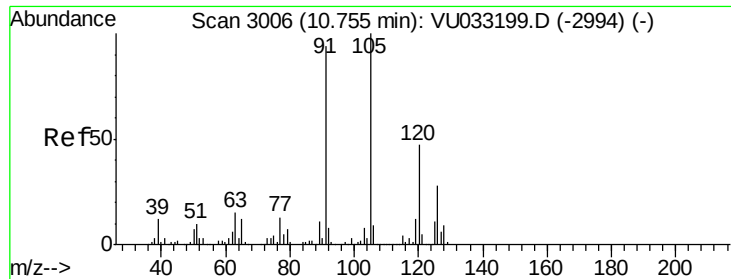
91 299.4 0.0 592.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 16.898 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU033200.D

Acq: 11 Jul 2019 19:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion:105 Resp: 699608

Ion Ratio Lower Upper

105 100

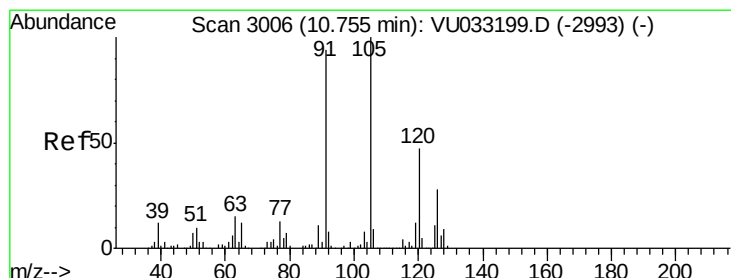
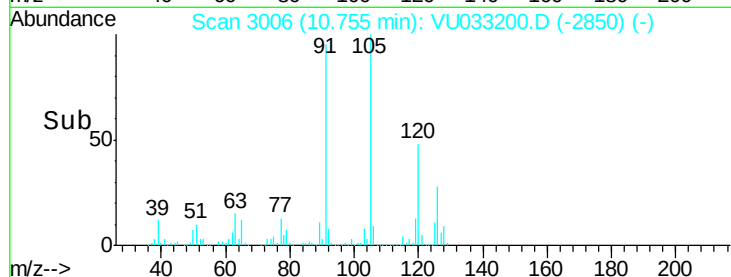
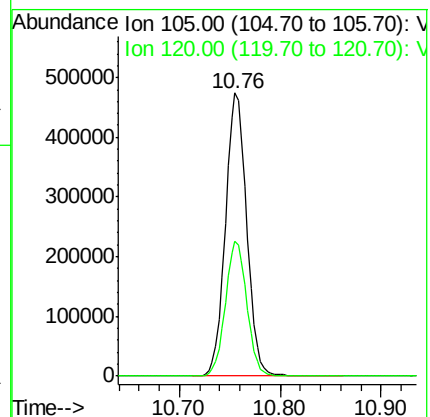
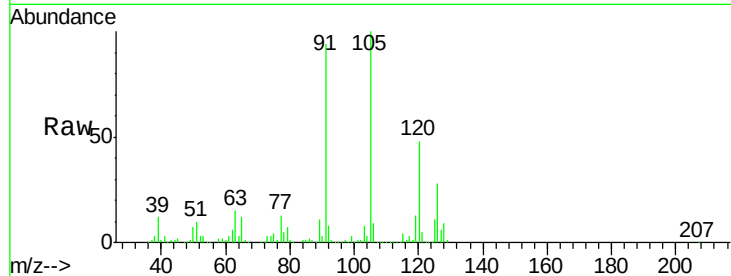
120 48.0 37.8 56.8

Manual Integrations

APPROVED

MMDadoda

7/16/2019 4:03:28 PM



#76

4-Chlorotoluene

Concen: 15.984 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU033200.D

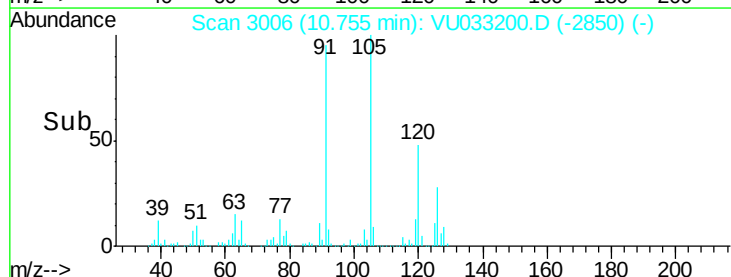
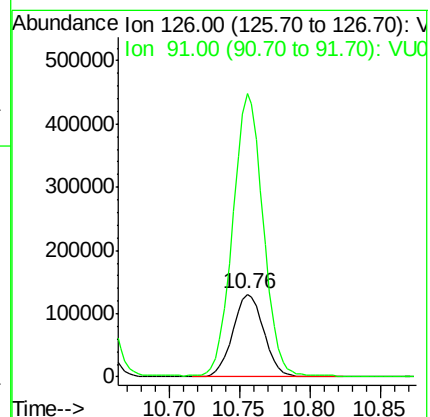
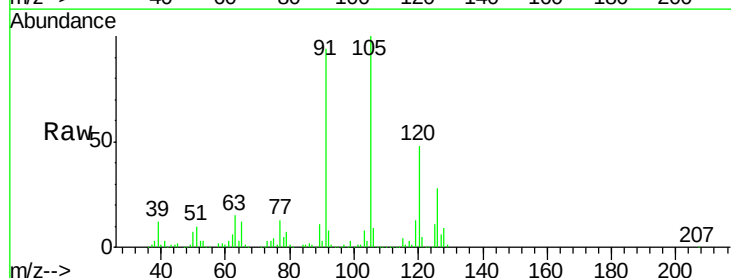
Acq: 11 Jul 2019 19:09

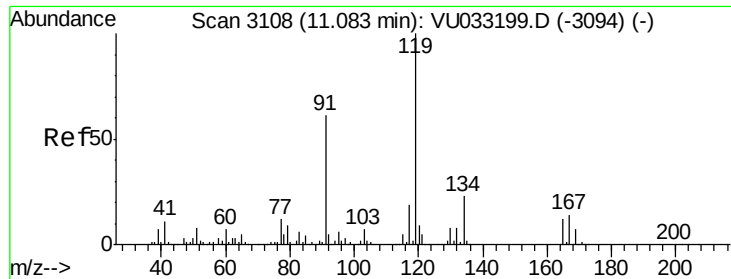
Tgt Ion:126 Resp: 199077

Ion Ratio Lower Upper

126 100

91 341.4 0.0 663.4





#77
tert-Butylbenzene
Concen: 16.809 ug/l
RT: 11.08 min Scan# 3108
Delta R.T. -0.00 min
Lab File: VU033200.D
Acq: 11 Jul 2019 19:09

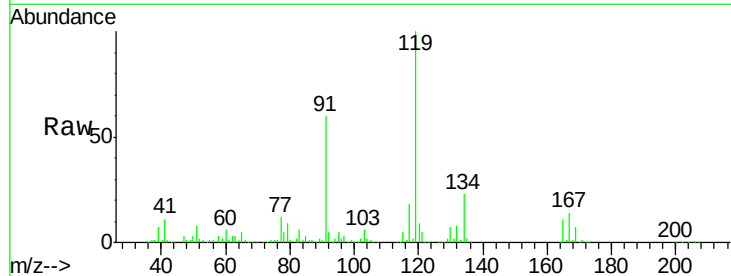
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.1	29.8	89.5
134	23.0	18.2	27.4

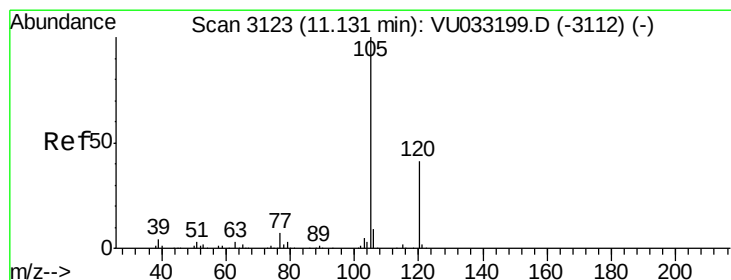
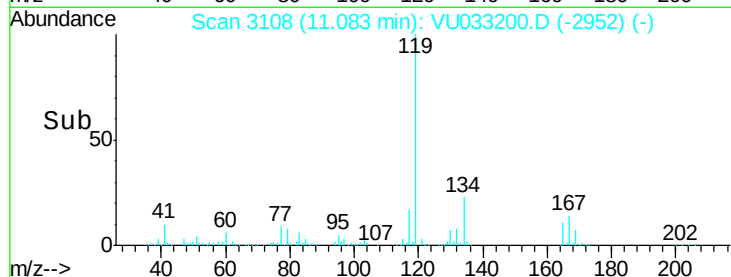
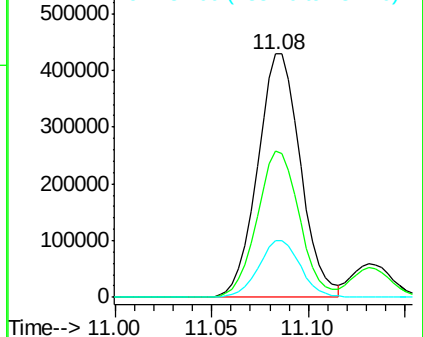
Manual Integrations
APPROVED

MMDadoda

7/16/2019 4:03:28 PM

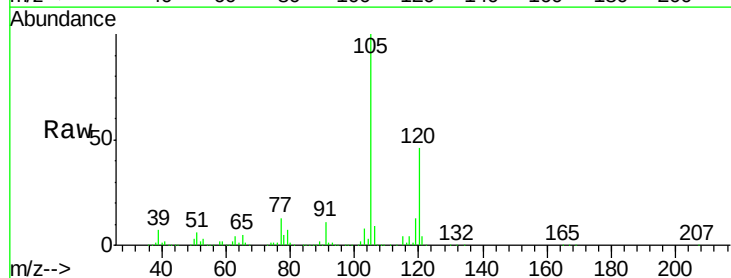


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

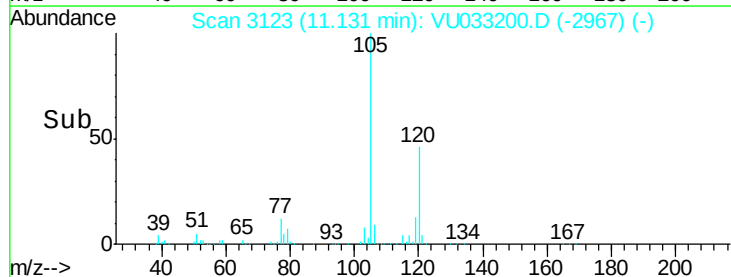
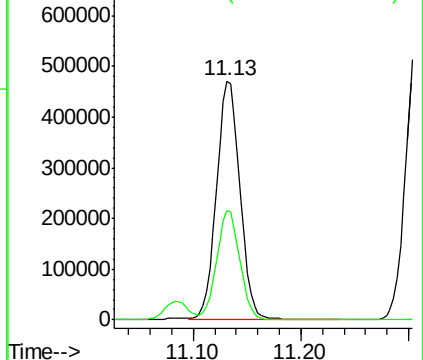


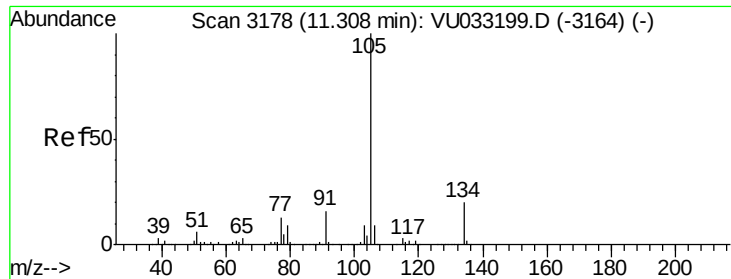
#78
1,2,4-Trimethylbenzene
Concen: 17.010 ug/l
RT: 11.13 min Scan# 3123
Delta R.T. 0.00 min
Lab File: VU033200.D
Acq: 11 Jul 2019 19:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.6	67.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#79
 sec-Butylbenzene
 Concen: 16.632 ug/l
 RT: 11.31 min Scan# 3178
 Delta R.T. -0.00 min
 Lab File: VU033200.D
 Acq: 11 Jul 2019 19:09

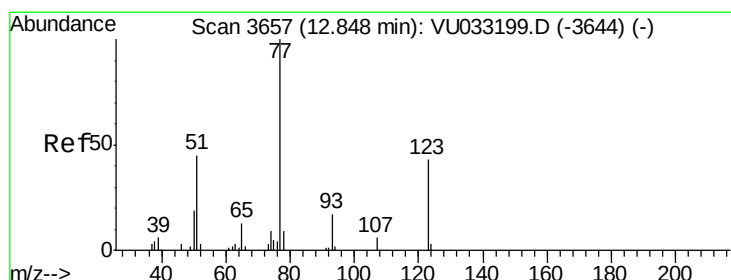
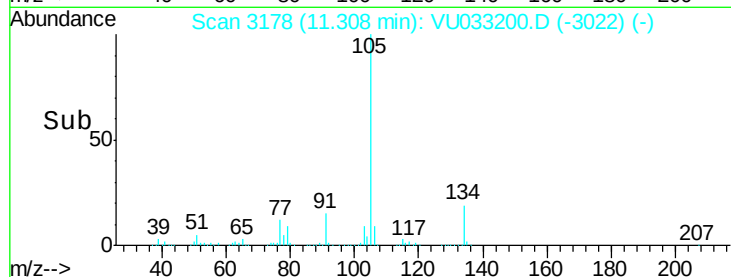
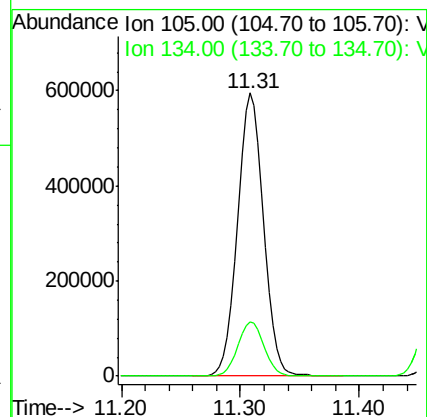
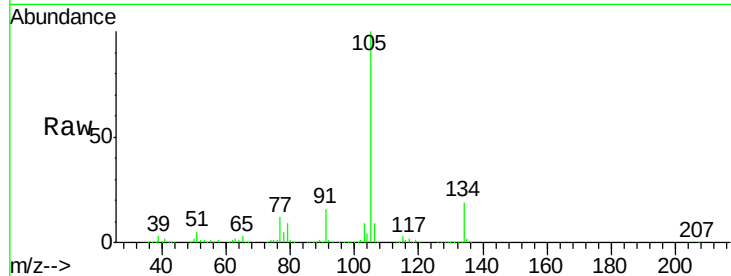
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	15.8	23.8

Manual Integrations
 APPROVED

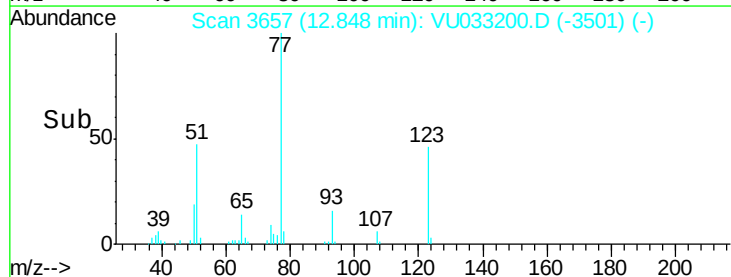
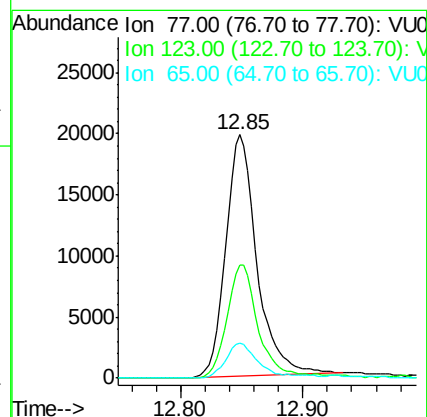
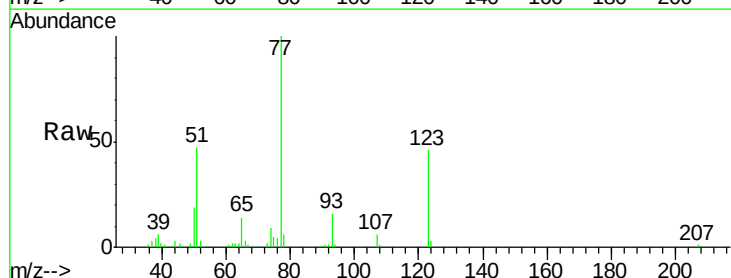
MMDadoda

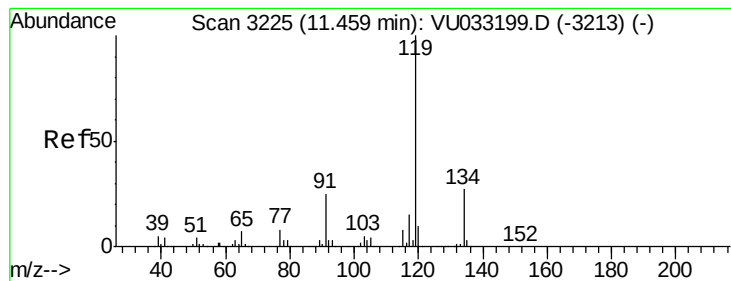
7/16/2019 4:03:28 PM



#80
 Nitrobenzene
 Concen: 123.210 ug/l
 RT: 12.85 min Scan# 3657
 Delta R.T. -0.00 min
 Lab File: VU033200.D
 Acq: 11 Jul 2019 19:09

Tgt Ion	Ratio	Lower	Upper
77	100		
123	44.2	20.9	74.1
65	14.2	10.7	13.7





#81

p-Isopropyltoluene

Concen: 17.473 ug/l

RT: 11.46 min Scan# 3225

Delta R.T. -0.00 min

Lab File: VU033200.D

Acq: 11 Jul 2019 19:09

Instrument :

MSVOA_U

ClientSampleId :

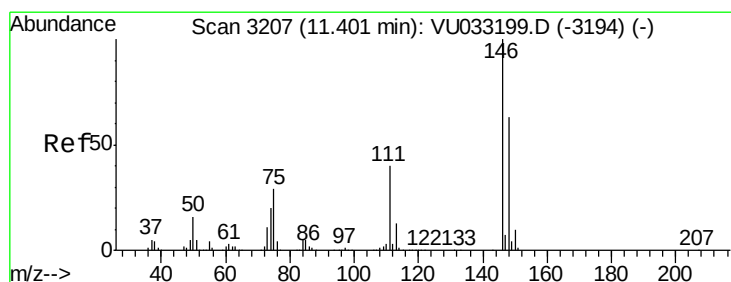
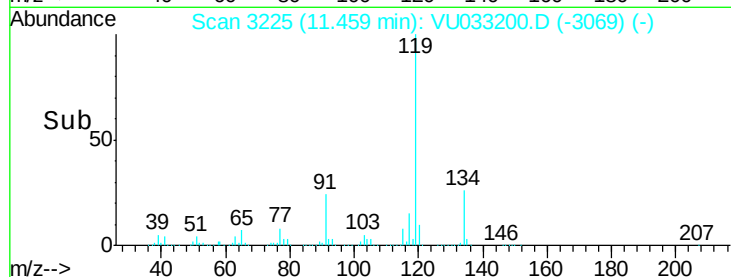
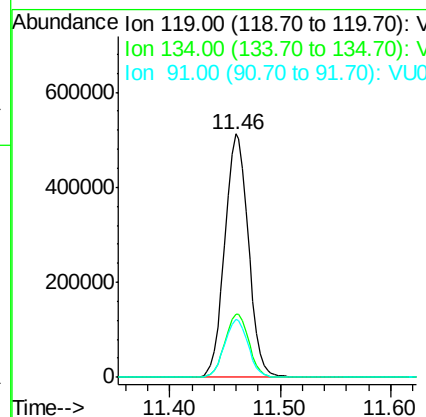
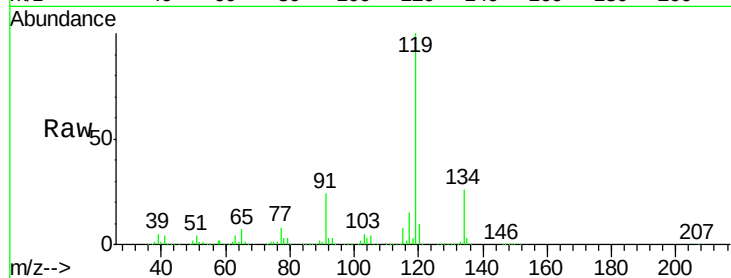
VSTDIC015

Tot Ion:	119	Resp:	758874
Ion Ratio	Lower	Upper	
119	100		
134	26.4	21.1	31.7
91	23.8	19.7	29.5

Manual Integrations
APPROVED

MMDadoda

7/16/2019 4:03:28 PM



#82

1,3-Dichlorobenzene

Concen: 15.526 ug/l

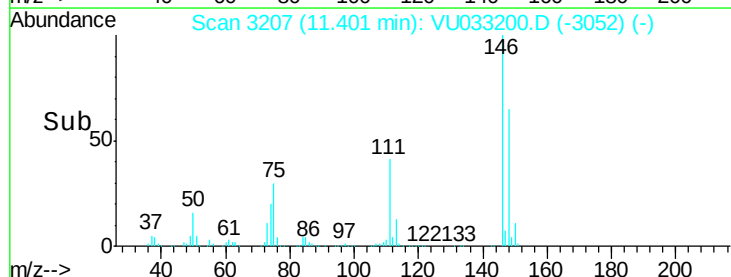
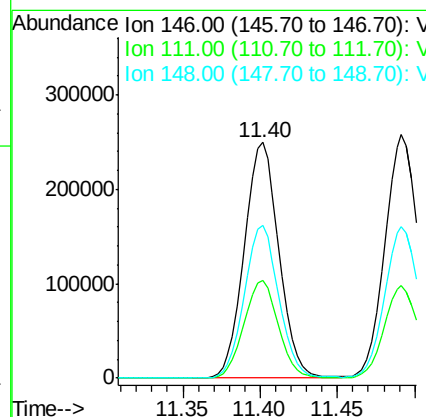
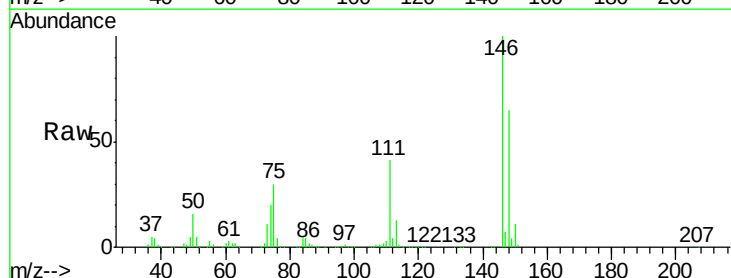
RT: 11.40 min Scan# 3207

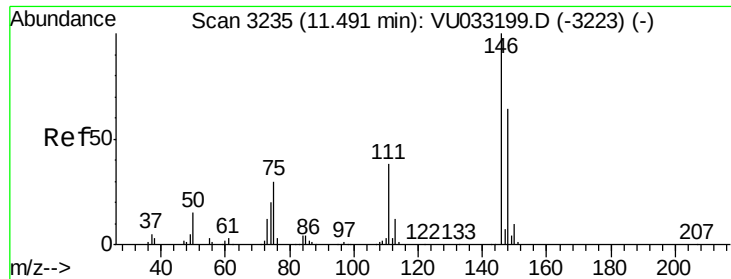
Delta R.T. -0.00 min

Lab File: VU033200.D

Acq: 11 Jul 2019 19:09

Tgt Ion:	146	Resp:	389110
Ion Ratio	Lower	Upper	
146	100		
111	41.3	32.2	48.4
148	64.2	50.8	76.2





#83
 1,4-Dichlorobenzene
 Concen: 16.058 ug/l
 RT: 11.49 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU033200.D
 Acq: 11 Jul 2019 19:09

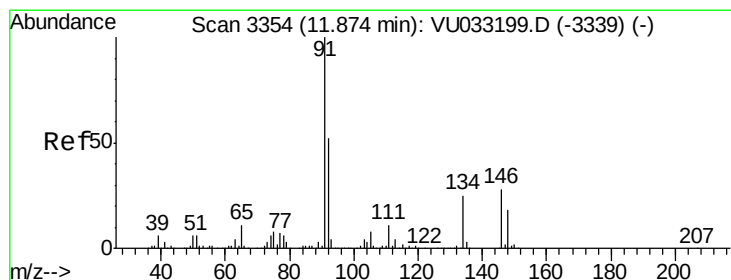
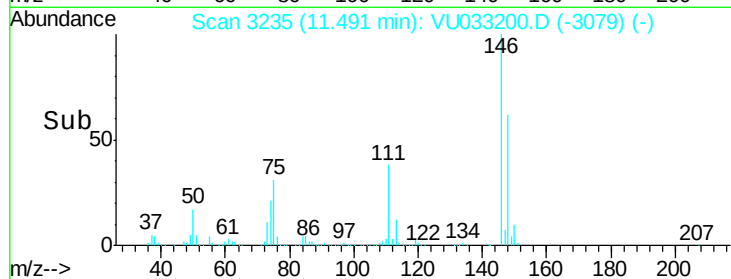
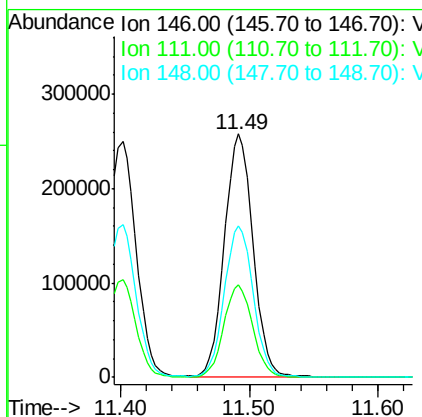
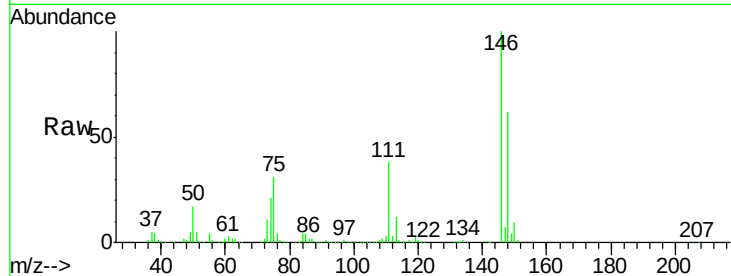
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Resp	Lower	Upper
146	100	396673		
111	38.4		30.8	46.2
148	63.1		50.6	76.0

Manual Integrations
 APPROVED

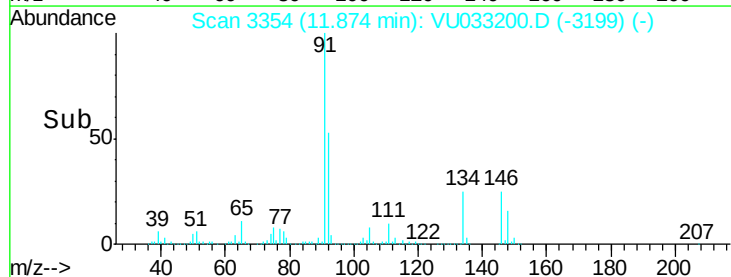
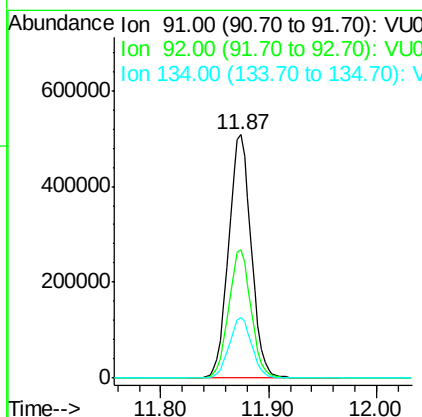
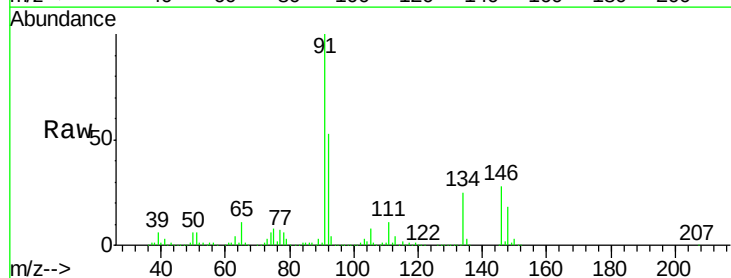
MMDadoda

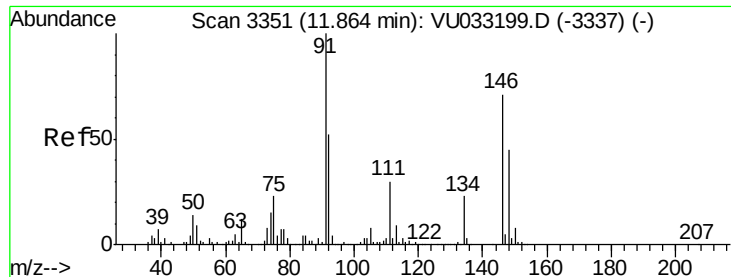
7/16/2019 4:03:28 PM



#84
 n-Butylbenzene
 Concen: 17.473 ug/l
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU033200.D
 Acq: 11 Jul 2019 19:09

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	741384		
92	52.2		41.5	62.3
134	24.8		19.6	29.4





#85

1,2-Dichlorobenzene

Concen: 15.922 ug/l

RT: 11.86 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VU033200.D

Acq: 11 Jul 2019 19:09

Instrument :

MSVOA_U

ClientSampled :

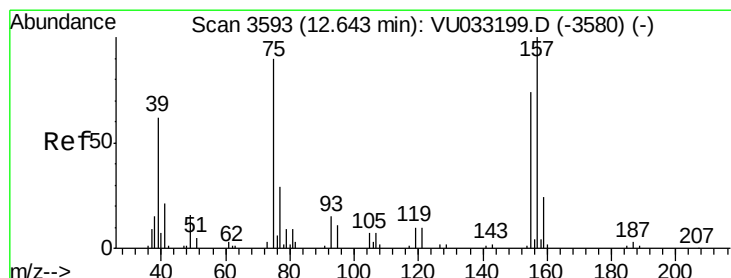
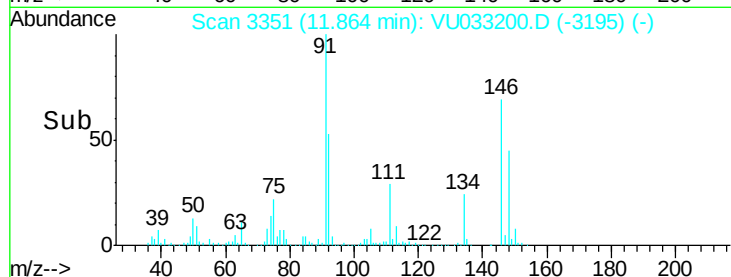
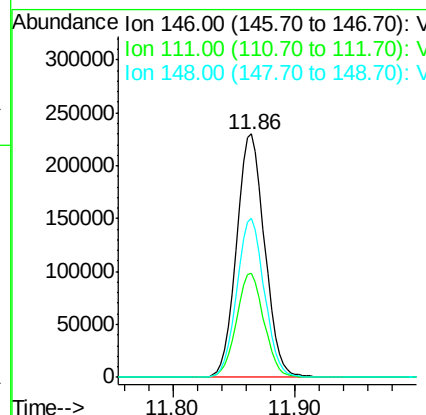
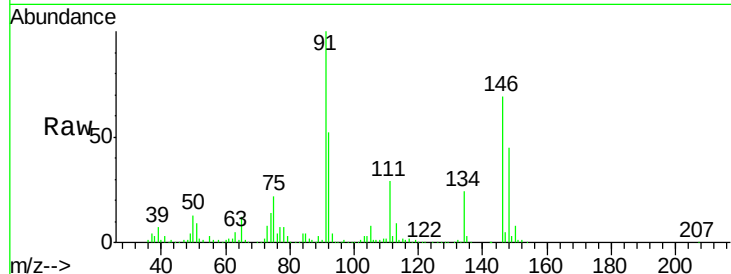
VSTDIC015

Tot Ion:	146	Resp:	369524
Ion Ratio	Lower	Upper	
146	100		
111	42.0	21.3	63.7
148	64.0	32.0	96.0

Manual Integrations
APPROVED

MMDadoda

7/16/2019 4:03:28 PM



#86

1,2-Dibromo-3-Chloropropane

Concen: 16.013 ug/l

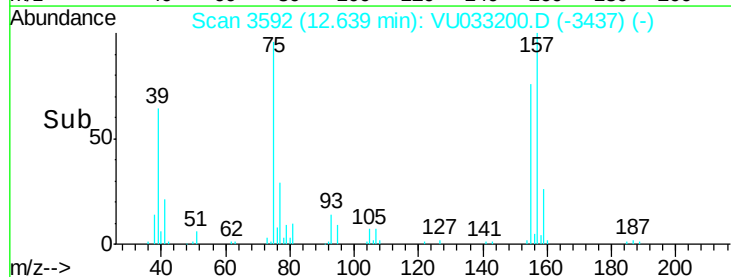
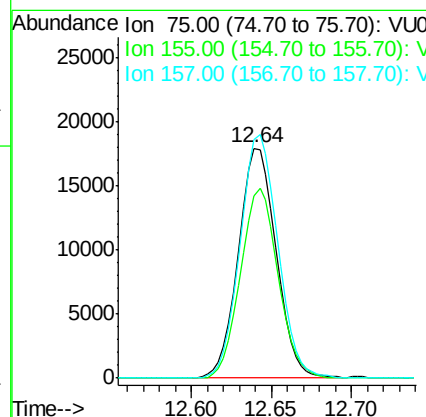
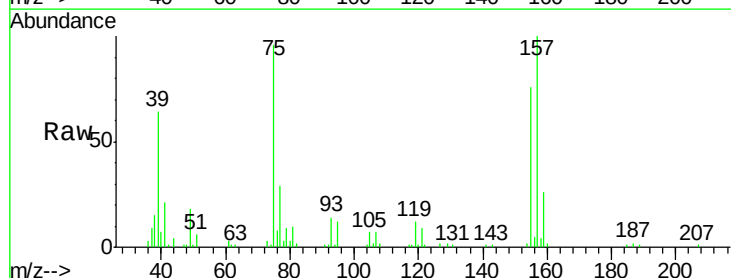
RT: 12.64 min Scan# 3592

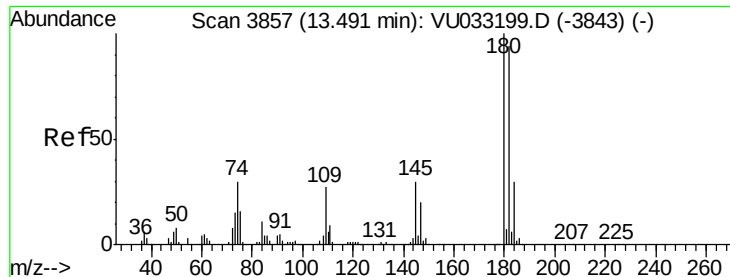
Delta R.T. -0.00 min

Lab File: VU033200.D

Acq: 11 Jul 2019 19:09

Tgt Ion:	75	Resp:	28843
Ion Ratio	Lower	Upper	
75	100		
155	81.8	60.6	90.8
157	105.7	82.5	123.7





#87
 1,2,4-Trichlorobenzene
 Concen: 19.786 ug/l
 RT: 13.49 min Scan# 3856
 Delta R.T. -0.00 min
 Lab File: VU033200.D
 Acq: 11 Jul 2019 19:09

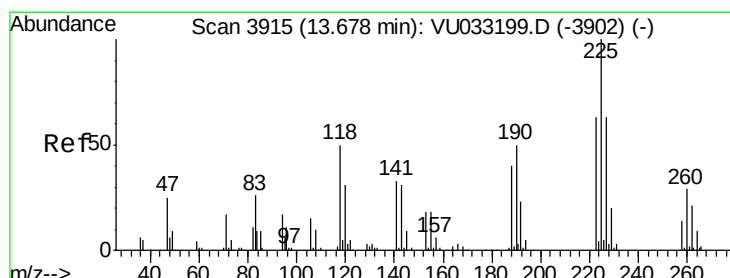
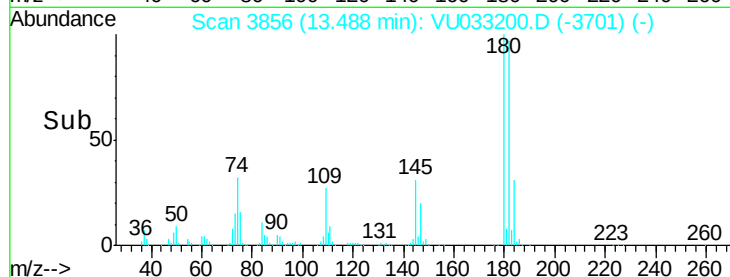
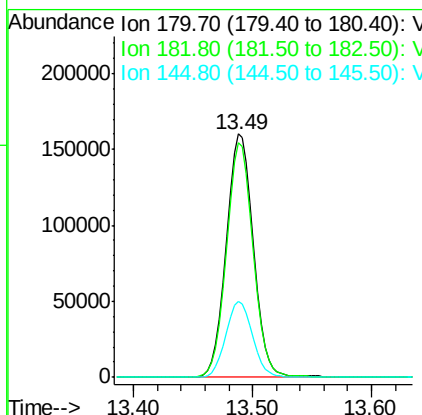
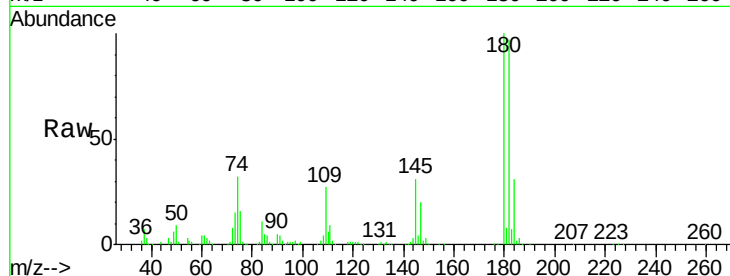
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Resp	Lower	Upper
180	100	252810		
182	95.0		75.4	113.2
145	30.6		24.5	36.7

Manual Integrations
 APPROVED

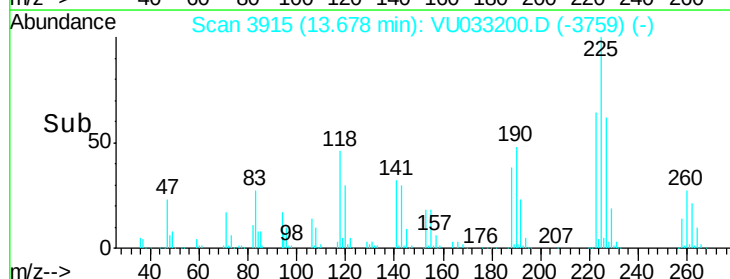
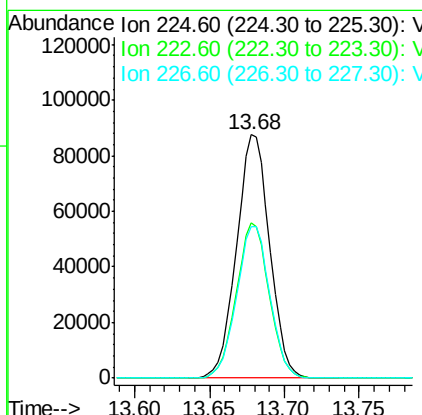
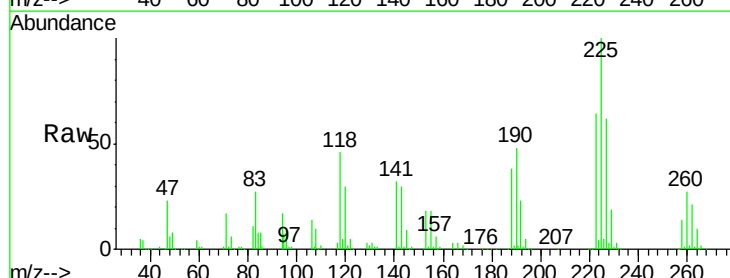
MMDadoda

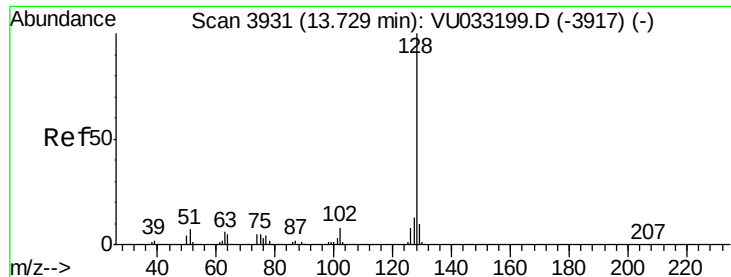
7/16/2019 4:03:28 PM



#88
 Hexachlorobutadiene
 Concen: 16.236 ug/l
 RT: 13.68 min Scan# 3915
 Delta R.T. -0.00 min
 Lab File: VU033200.D
 Acq: 11 Jul 2019 19:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	134572		
223	63.3		51.1	76.7
227	62.6		51.2	76.8





#89
Naphthalene
Concen: 23.026 ug/l
RT: 13.73 min Scan# 3931
Delta R.T. 0.00 min
Lab File: VU033200.D
Acq: 11 Jul 2019 19:09

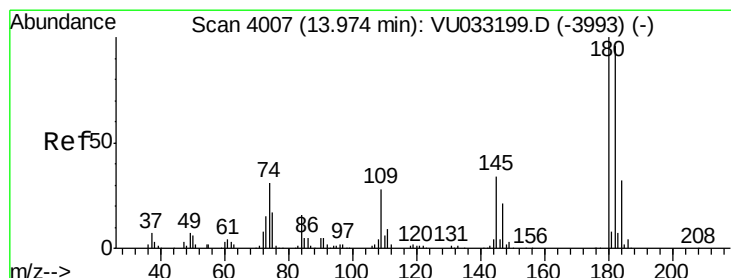
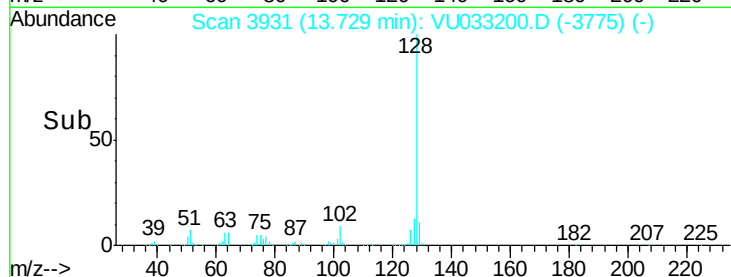
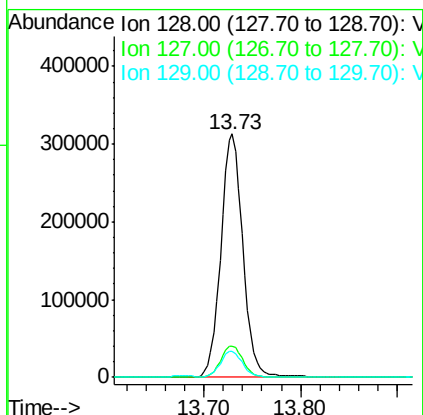
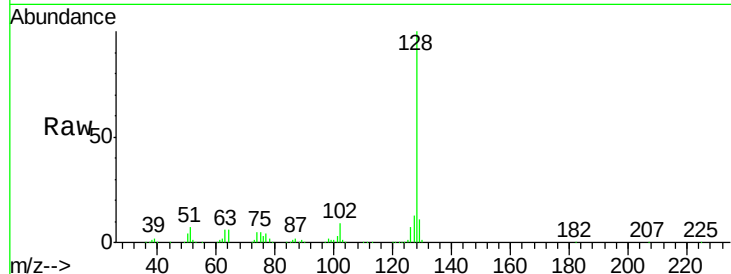
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda

7/16/2019 4:03:28 PM



#90
1,2,3-Trichlorobenzene
Concen: 19.352 ug/l
RT: 13.97 min Scan# 4007
Delta R.T. -0.00 min
Lab File: VU033200.D
Acq: 11 Jul 2019 19:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.2	114.4
145	31.9	26.6	40.0

