

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031019\
 Data File : VU029880.D
 Acq On : 08 Mar 2019 11:31
 Operator : JC/SP
 Sample : VU0310WBSD01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0310WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/11/2019 6:55:55 PM

Quant Time: Mar 08 23:01:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U030719DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Mar 08 00:30:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	58967	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	21198	1.00	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	24943	1.02	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	36442	1.847	ug/l	98
3) Chloromethane	1.33	50	31737	1.806	ug/l	98
4) Vinyl Chloride	1.40	62	37334	1.889	ug/l	99
5) Bromomethane	1.63	94	23620	1.750	ug/l	99
6) Chloroethane	1.70	64	22289	1.881	ug/l	93
7) Trichlorofluoromethane	1.88	101	51344	1.906	ug/l	93
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	30133	1.923	ug/l	97
9) 1,1-Dichloroethene	2.28	96	28848	1.881	ug/l	100
10) Iodomethane	2.41	142	19006	1.626	ug/l	97
11) Allyl Chloride	2.59	41	39172	1.817	ug/l	99
12) Acrylonitrile	2.94	53	12857	3.844	ug/l	95
13) Acetone	2.32	43	25279	9.126	ug/l	97
14) Carbon Disulfide	2.47	76	87050	1.752	ug/l	99
15) Methylene Chloride	2.70	84	33784	1.836	ug/l	97
16) trans-1,2-Dichloroethene	2.98	96	31394	1.812	ug/l	99
17) 1,1-Dichloroethane	3.44	63	54551	1.882	ug/l	99
18) 2-Butanone	4.28	43	34888	9.268	ug/l	99
19) Cyclohexane	4.99	56	42073m	1.869	ug/l	
20) Methylcyclohexane	6.41	83	46815	1.786	ug/l	97
21) 2,2-Dichloropropane	4.22	77	43062	1.817	ug/l	100
22) cis-1,2-Dichloroethene	4.22	96	35061	1.909	ug/l	96
23) Diethyl Ether	2.10	59	21912	1.906	ug/l	98
24) tert-Butyl Alcohol	2.84	59	24511	20.664	ug/l	95
25) Methyl tert-Butyl Ether	3.00	73	73087	1.892	ug/l	99
26) Bromochloromethane	4.55	128	15985	1.961	ug/l	96
27) Chloroform	4.67	83	54883	1.870	ug/l	100
28) 1,1,1-Trichloroethane	4.91	97	47449	1.906	ug/l	99
29) 1,1-Dichloropropene	5.13	75	40653	1.838	ug/l	98
30) Carbon Tetrachloride	5.13	117	39564	1.822	ug/l	96
31) Isopropyl Ether	3.58	45	77310	1.934	ug/l	97
32) Ethyl-t-butyl ether	4.07	59	73260	1.885	ug/l	99
33) Tert-Amyl methyl ether	5.58	73	69204	1.926	ug/l	99
34) Propionitrile	4.34	54	10644	9.506	ug/l #	98
35) Benzene	5.38	78	122420	1.879	ug/l	99
36) 1,2-Dichloroethane	5.40	62	33520	1.884	ug/l	100
37) Trichloroethene	6.18	130	34266	1.801	ug/l	98
38) 1,2-Dichloropropane	6.43	63	30426	1.845	ug/l	99
39) Methacrylonitrile	4.55	41	8599	1.826	ug/l	99
40) Methyl acrylate	4.43	55	12940	1.738	ug/l #	87
41) Tetrahydrofuran	4.65	42	9140	3.710	ug/l	96
42) 1-Chlorobutane	5.06	56	50985	1.804	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031019\
 Data File : VU029880.D
 Acq On : 08 Mar 2019 11:31
 Operator : JC/SP
 Sample : VU0310WBSD01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0310WBSD01

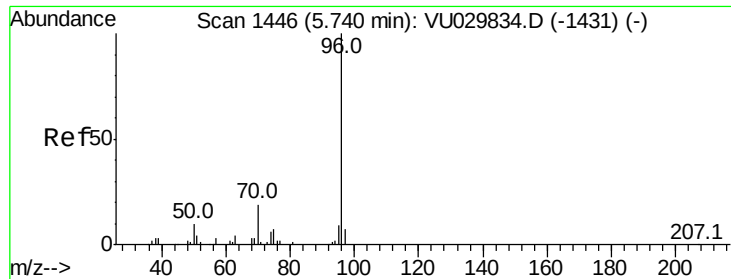
Manual Integrations
 APPROVED

MMDadoda
 3/11/2019 6:55:55 PM

Quant Time: Mar 08 23:01:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U030719DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Mar 08 00:30:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	16534	1.934	ug/l	98
44) Bromodichloromethane	6.76	83	39242	1.869	ug/l	98
45) 4-Methyl-2-Pentanone	7.46	43	83314	9.345	ug/l	98
46) t-1,4-Dichloro-2-butene	10.51	75	11566m	3.103	ug/l	
47) Methyl methacrylate	6.63	69	27162	3.703	ug/l	99
48) Ethyl methacrylate	8.02	69	26326	1.873	ug/l	94
49) Toluene	7.63	92	74427	1.860	ug/l	99
50) t-1,3-Dichloropropene	7.88	75	33059	1.797	ug/l	99
51) cis-1,3-Dichloropropene	7.27	75	41226	1.810	ug/l	100
52) 1,1,2-Trichloroethane	8.07	97	24288	1.920	ug/l	97
53) 1,3-Dichloropropane	8.24	76	39078	1.883	ug/l	100
54) 2-Hexanone	8.37	43	55006	8.884	ug/l	99
55) Dibromochloromethane	8.48	129	26725	1.780	ug/l	96
56) 1,2-Dibromoethane	8.58	107	22246	1.854	ug/l	97
58) Tetrachloroethene	8.22	164	38747	1.994	ug/l	98
59) Chlorobenzene	9.12	112	86477	1.880	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.21	131	30601	1.855	ug/l	97
61) Pentachloroethane	11.10	117	19594	1.706	ug/l	93
62) Hexachloroethane	12.14	117	20143	1.667	ug/l	96
63) Ethyl Benzene	9.25	91	136402	1.811	ug/l	100
64) m/p-Xylenes	9.37	106	107138	3.598	ug/l	96
65) o-Xylene	9.78	106	53248	1.862	ug/l	100
66) Styrene	9.79	104	85882	1.807	ug/l	97
67) Bromoform	9.95	173	16490	1.870	ug/l	95
69) Isopropylbenzene	10.16	105	139753	1.843	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.46	83	29055	1.883	ug/l	99
71) 1,2,3-Trichloropropane	10.49	75	21165m	1.846	ug/l	
72) Bromobenzene	10.45	156	37456	1.866	ug/l	98
73) n-propylbenzene	10.58	120	38663	1.813	ug/l	99
74) 2-Chlorotoluene	10.66	126	35574	1.881	ug/l	99
75) 1,3,5-Trimethylbenzene	10.77	105	119609	1.872	ug/l	99
76) 4-Chlorotoluene	10.77	126	37675	1.953	ug/l	93
77) tert-Butylbenzene	11.10	119	113613	1.797	ug/l	97
78) 1,2,4-Trimethylbenzene	11.14	105	118457	1.835	ug/l	100
79) sec-Butylbenzene	11.32	105	159939	1.909	ug/l	100
80) Nitrobenzene	12.88	77	1686m	6.019	ug/l	
81) p-Isopropyltoluene	11.47	119	130269	1.857	ug/l	99
82) 1,3-Dichlorobenzene	11.41	146	72669	1.828	ug/l	99
83) 1,4-Dichlorobenzene	11.50	146	73242	1.885	ug/l	98
84) n-Butylbenzene	11.89	91	114157	1.786	ug/l	97
85) 1,2-Dichlorobenzene	11.88	146	70418	1.878	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.66	75	3963	1.799	ug/l	99
87) 1,2,4-Trichlorobenzene	13.50	180	43244	1.801	ug/l	98
88) Hexachlorobutadiene	13.69	225	28054	1.855	ug/l	99
89) Naphthalene	13.74	128	67378	1.841	ug/l	98
90) 1,2,3-Trichlorobenzene	13.99	180	42243	1.873	ug/l	99

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. -0.00 min

Lab File: VU029880.D

Acq: 08 Mar 2019 11:31

Instrument :

MSVOA_U

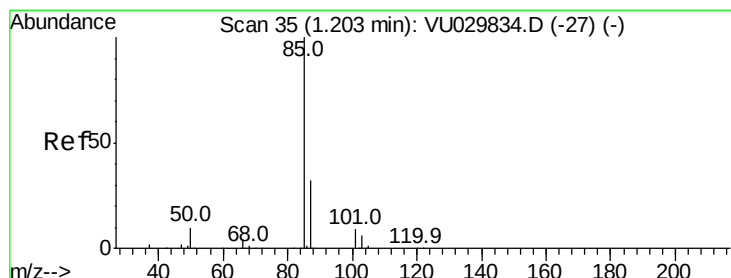
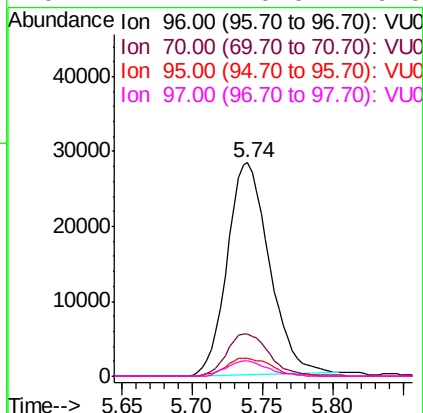
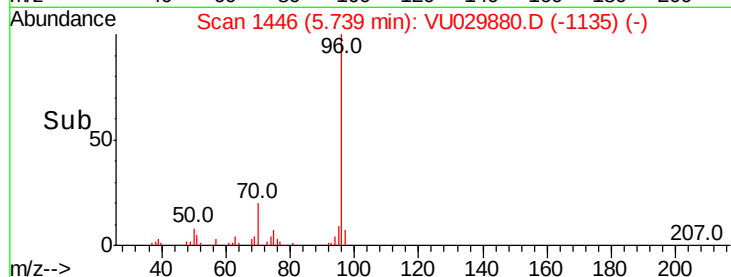
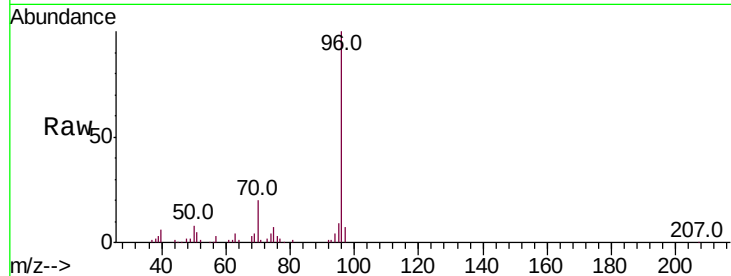
ClientSampleId :

VU0310WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
70	20.5	14.4	21.6	
95	9.3	7.0	10.6	
97	7.1	0.0	0.0	

Manual Integrations
APPROVED

MMDadoda
3/11/2019 6:55:55 PM



#2

Dichlorodifluoromethane

Concen: 1.847 ug/l

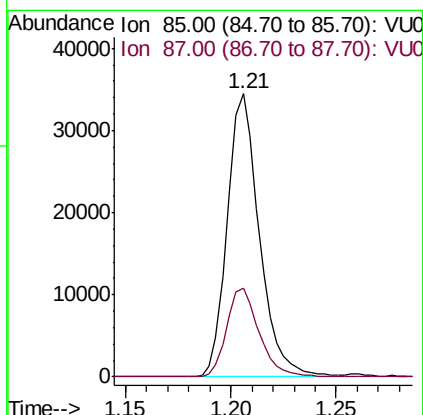
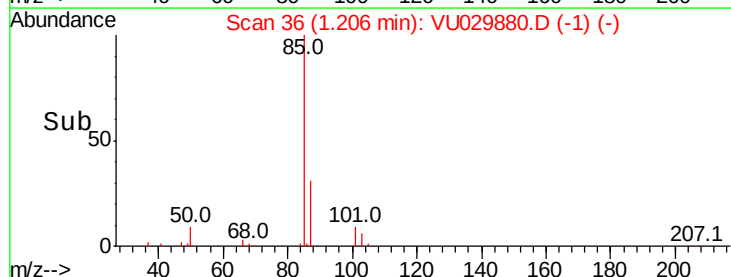
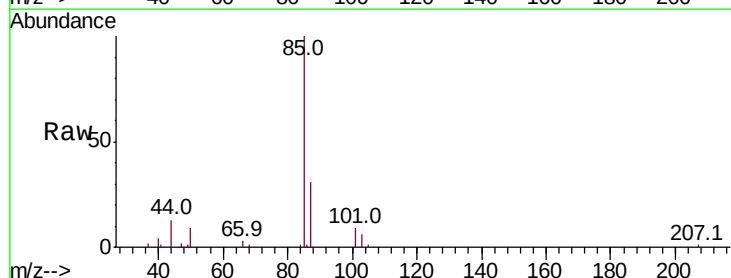
RT: 1.21 min Scan# 36

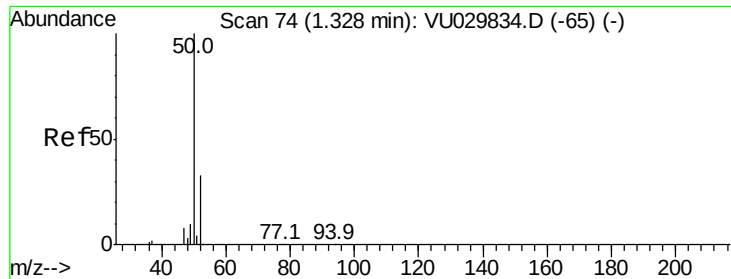
Delta R.T. 0.00 min

Lab File: VU029880.D

Acq: 08 Mar 2019 11:31

Tgt Ion	Ion	Ratio	Lower	Upper
85	100			
87	31.3	16.2	48.6	





#3

Chloromethane

Concen: 1.806 ug/l

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU029880.D

Acq: 08 Mar 2019 11:31

Instrument :

MSVOA_U

ClientSampleId :

VU0310WBSD01

Tot Ion: 50 Resp: 31737

Ion Ratio Lower Upper

50 100

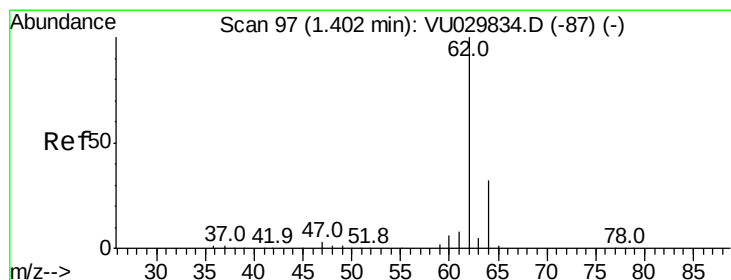
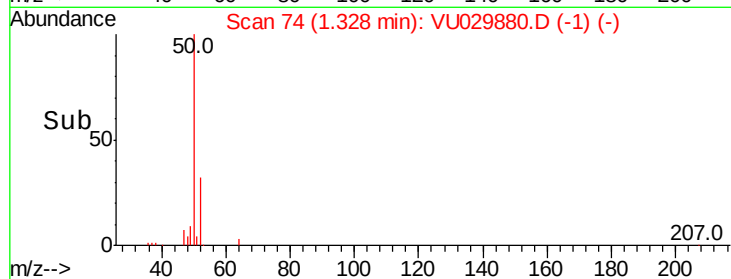
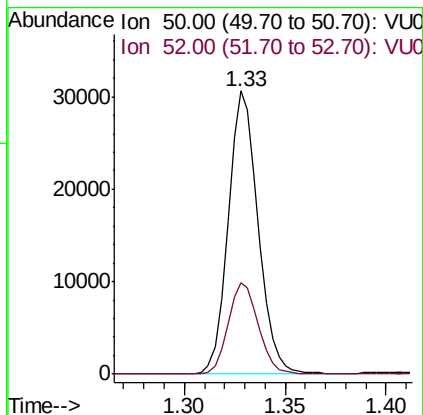
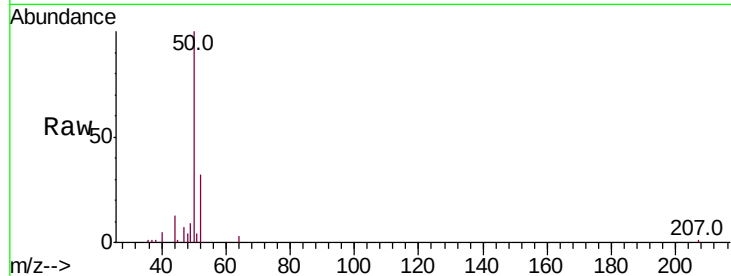
52 32.2 26.5 39.7

Manual Integrations

APPROVED

MMDadoda

3/11/2019 6:55:55 PM



#4

Vinyl Chloride

Concen: 1.889 ug/l

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU029880.D

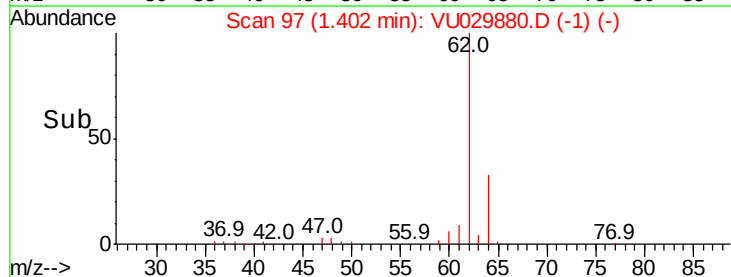
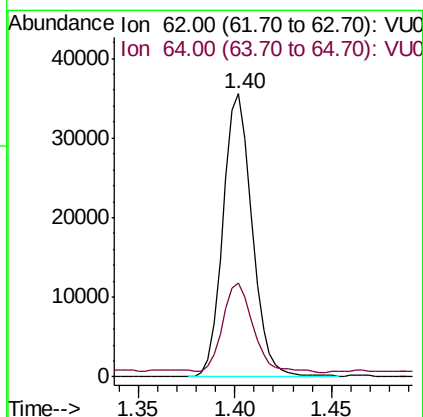
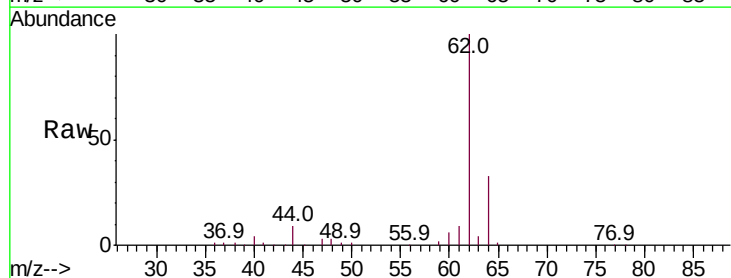
Acq: 08 Mar 2019 11:31

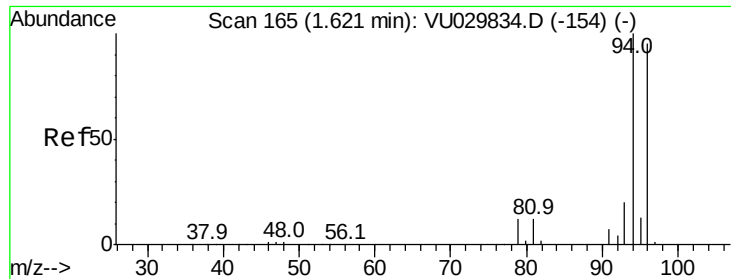
Tgt Ion: 62 Resp: 37334

Ion Ratio Lower Upper

62 100

64 31.4 25.7 38.5





#5

Bromomethane

Concen: 1.750 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.01 min

Lab File: VU029880.D

Acq: 08 Mar 2019 11:31

Instrument :

MSVOA_U

ClientSampleId :

VU0310WBSD01

Tot Ion: 94 Resp: 23620

Ion Ratio Lower Upper

94 100

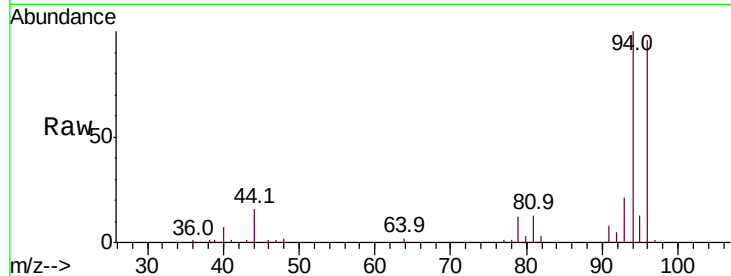
96 96.3 76.4 114.6

Manual Integrations

APPROVED

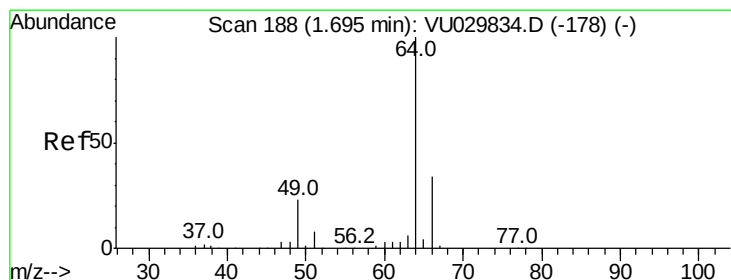
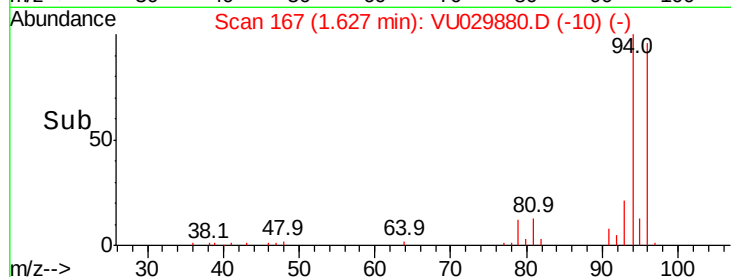
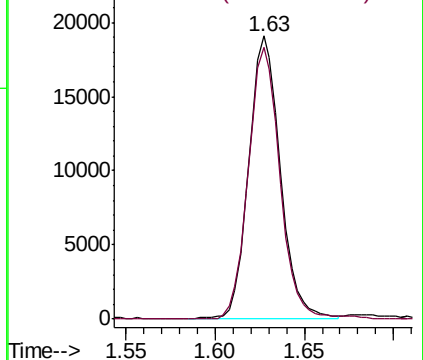
MMDadoda

3/11/2019 6:55:55 PM



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 1.881 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU029880.D

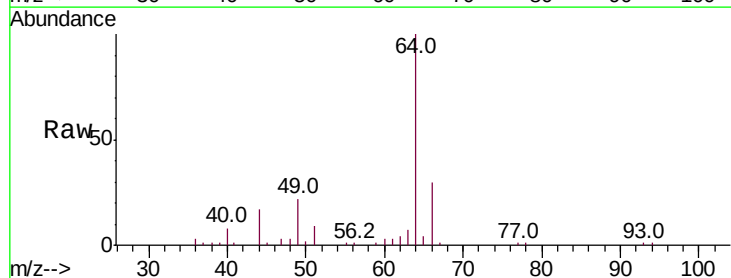
Acq: 08 Mar 2019 11:31

Tgt Ion: 64 Resp: 22289

Ion Ratio Lower Upper

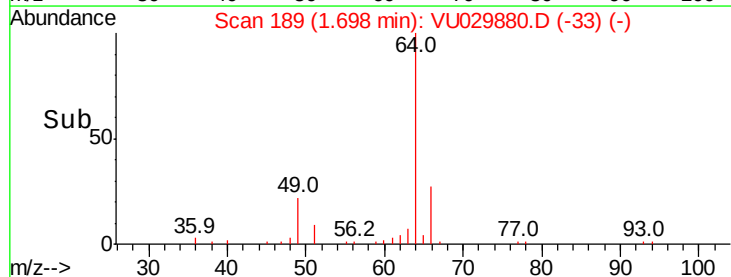
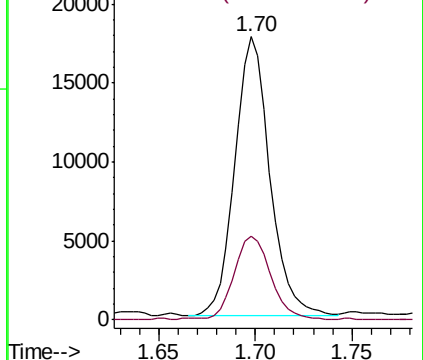
64 100

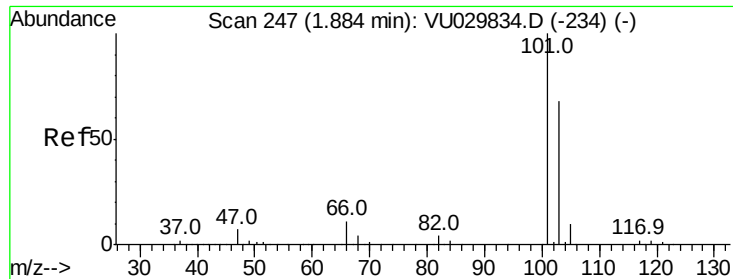
66 30.1 27.3 40.9



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#7

Trichlorofluoromethane

Concen: 1.906 ug/l

RT: 1.88 min Scan# 247

Delta R.T. -0.00 min

Lab File: VU029880.D

Acq: 08 Mar 2019 11:31

Instrument :

MSVOA_U

ClientSampleId :

VU0310WBSD01

Tot Ion:101 Resp: 51344

Ion Ratio Lower Upper

101 100

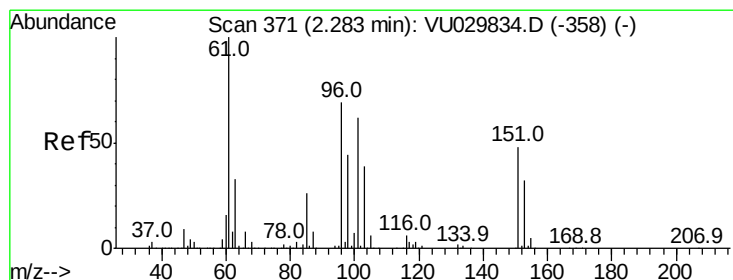
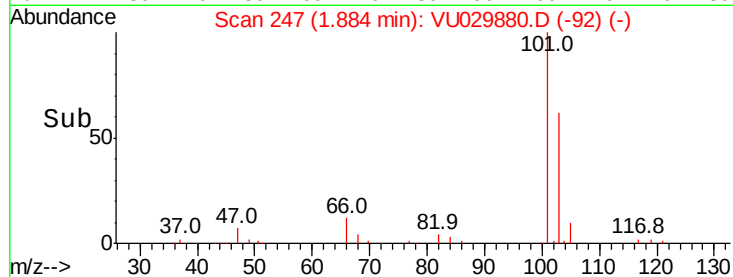
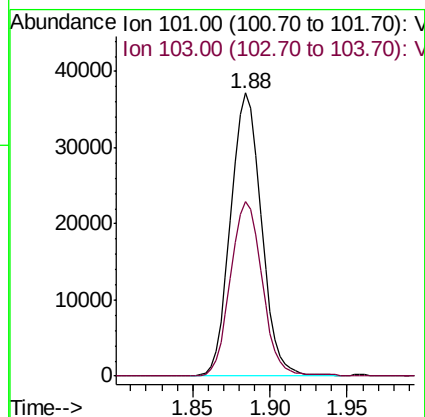
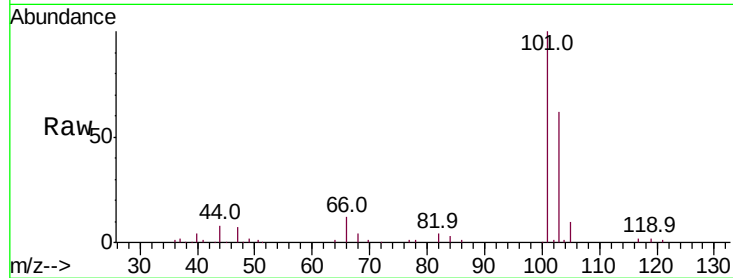
103 61.8 54.2 81.2

Manual Integrations

APPROVED

MMDadoda

3/11/2019 6:55:55 PM



#8

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.923 ug/l

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU029880.D

Acq: 08 Mar 2019 11:31

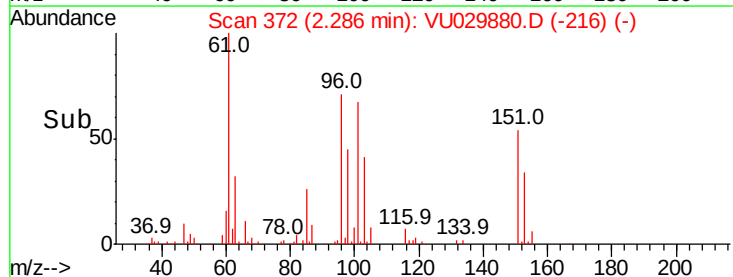
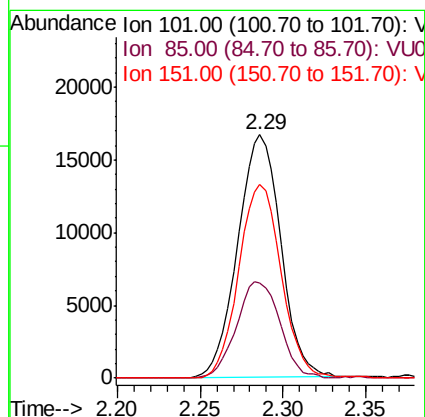
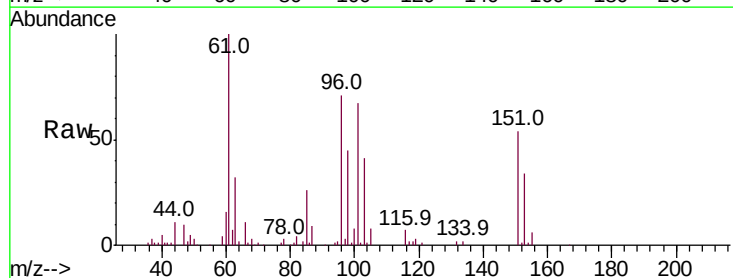
Tgt Ion:101 Resp: 30133

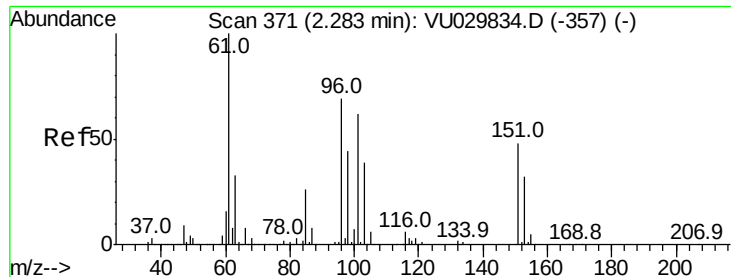
Ion Ratio Lower Upper

101 100

85 40.1 33.4 50.0

151 77.9 64.6 97.0





#9

1,1-Dichloroethene

Concen: 1.881 ug/l

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029880.D

Acq: 08 Mar 2019 11:31

Instrument :

MSVOA_U

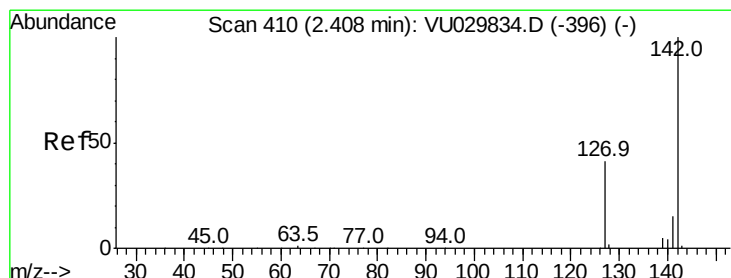
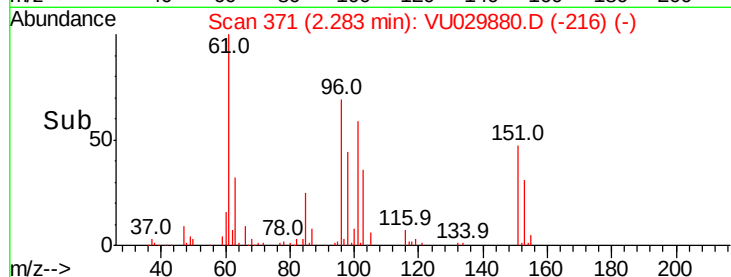
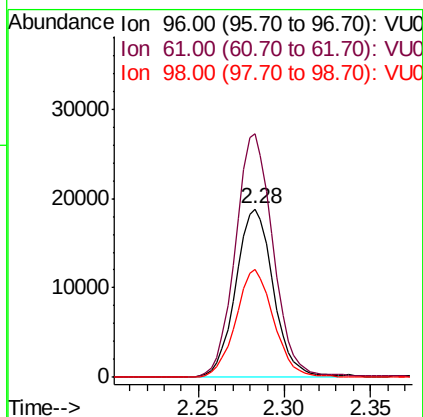
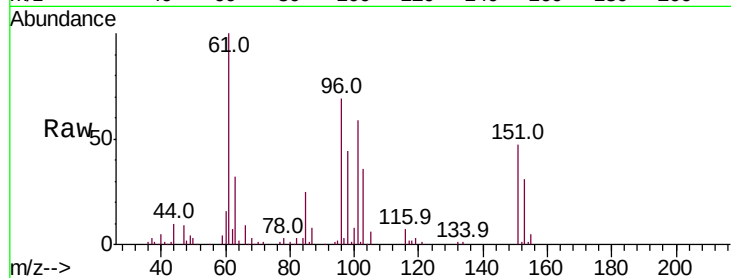
ClientSampleId :

VU0310WBSD01

Tot Ion:	96	Resp:	28848
Ion	Ratio	Lower	Upper
96	100		
61	144.7	0.0	435.3
98	64.2	0.0	128.6

Manual Integrations
APPROVED

MMDadoda
3/11/2019 6:55:55 PM



#10

Iodomethane

Concen: 1.626 ug/l

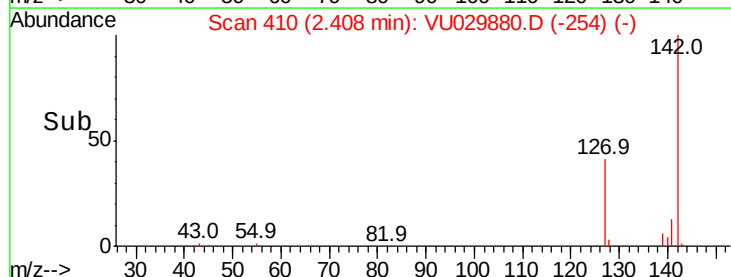
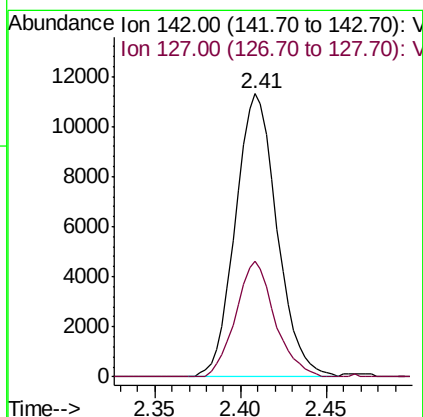
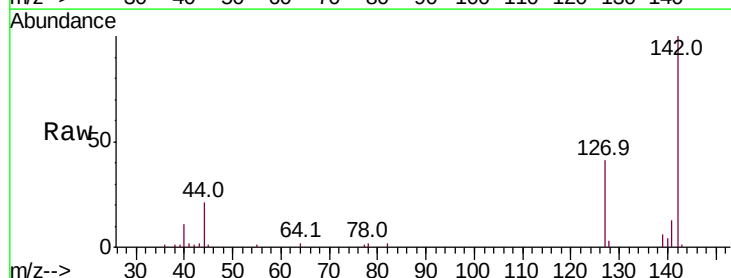
RT: 2.41 min Scan# 410

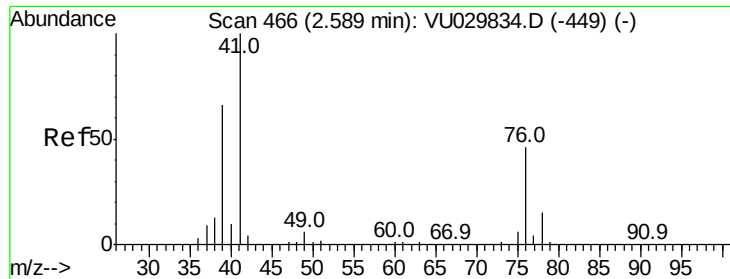
Delta R.T. 0.00 min

Lab File: VU029880.D

Acq: 08 Mar 2019 11:31

Tgt Ion:	142	Resp:	19006
Ion	Ratio	Lower	Upper
142	100		
127	38.3	32.3	48.5





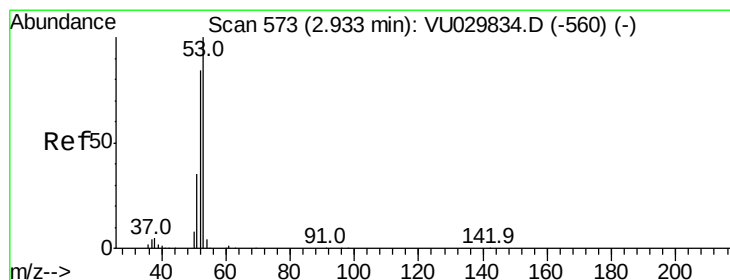
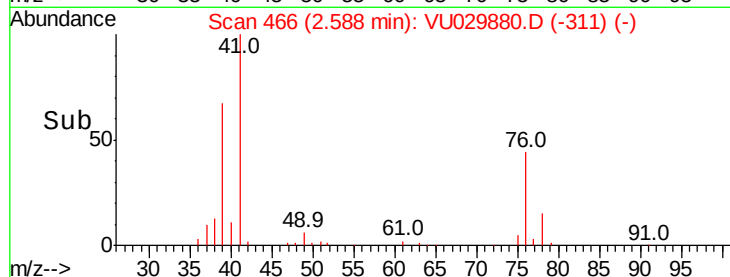
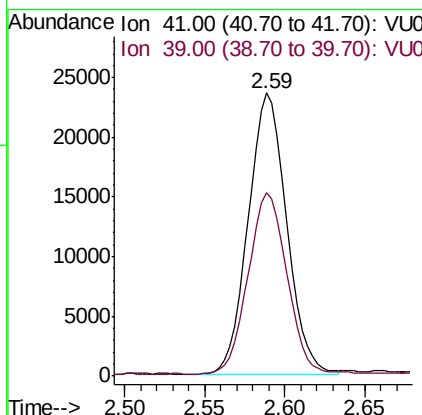
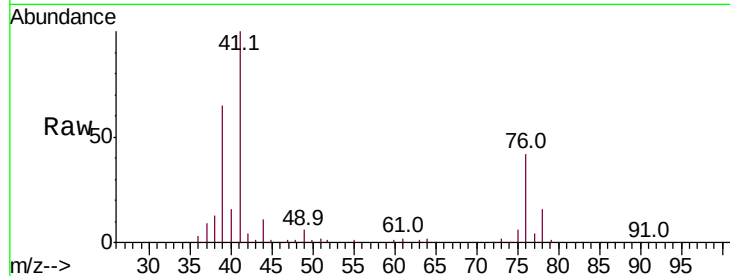
#11
Allvl Chloride
Concen: 1.817 ug/l
RT: 2.59 min Scan# 466
Delta R.T. -0.00 min
Lab File: VU029880.D
Acq: 08 Mar 2019 11:31

Instrument :
MSVOA_U
ClientSampleId :
VU0310WBSD01

Tot Ion: 41 Resp: 39172
Ion Ratio Lower Upper
41 100
39 65.3 51.6 77.4

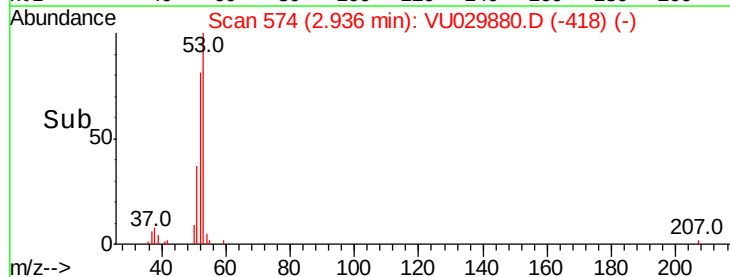
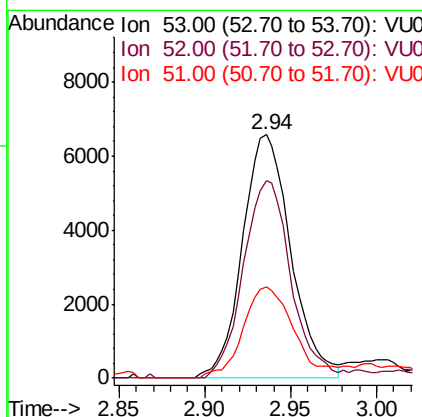
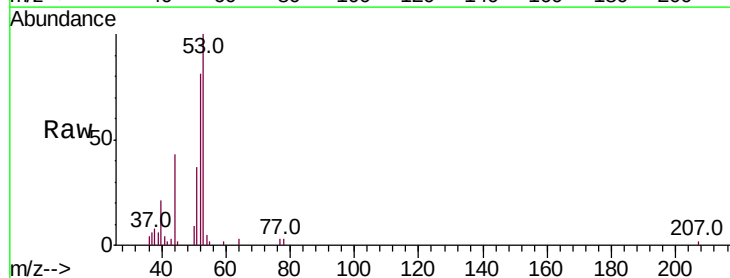
Manual Integrations
APPROVED

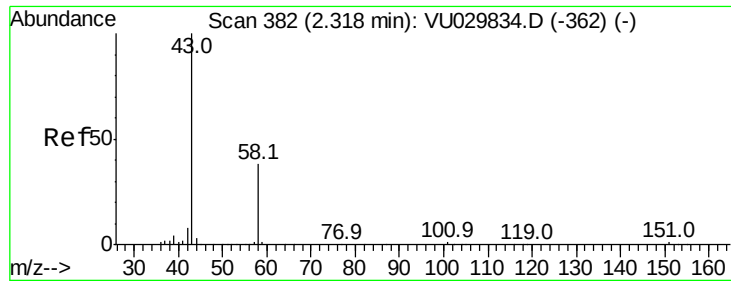
MMDadoda
3/11/2019 6:55:55 PM



#12
Acrylonitrile
Concen: 3.844 ug/l
RT: 2.94 min Scan# 574
Delta R.T. 0.00 min
Lab File: VU029880.D
Acq: 08 Mar 2019 11:31

Tgt Ion: 53 Resp: 12857
Ion Ratio Lower Upper
53 100
52 79.1 66.5 99.7
51 39.4 28.6 42.8





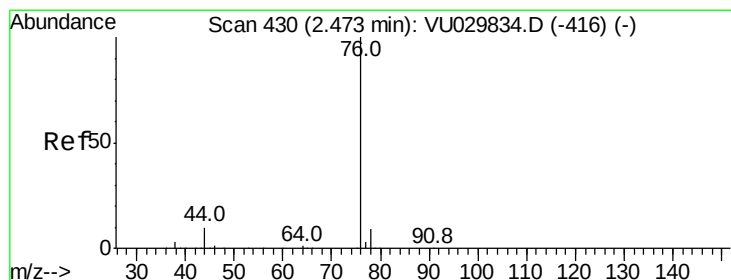
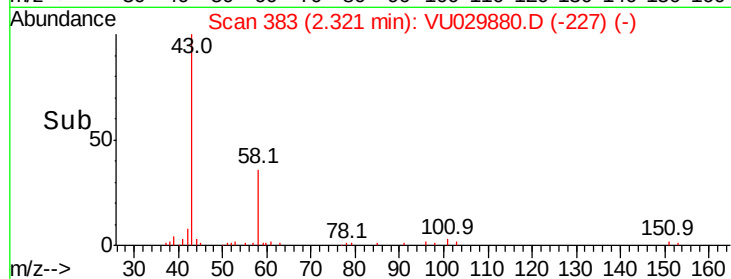
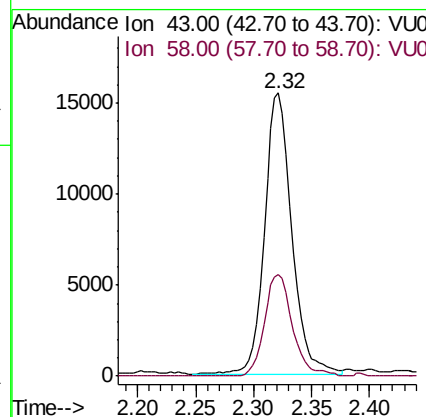
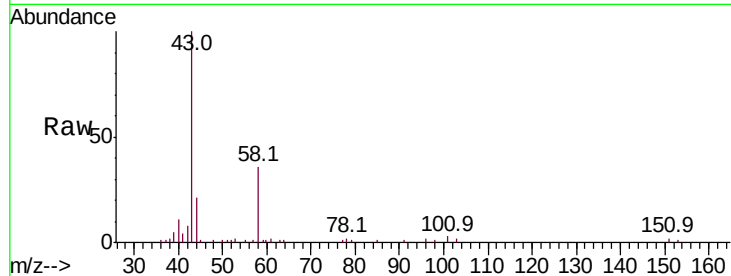
#13
Acetone
Concen: 9.126 ug/l
RT: 2.32 min Scan# 383
Delta R.T. 0.00 min
Lab File: VU029880.D
Acq: 08 Mar 2019 11:31

Instrument :
MSVOA_U
ClientSampleId :
VU0310WBSD01

Tot Ion: 43 Resp: 25279
Ion Ratio Lower Upper
43 100
58 36.1 30.2 45.2

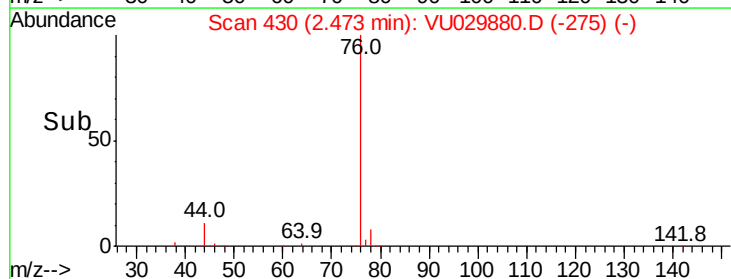
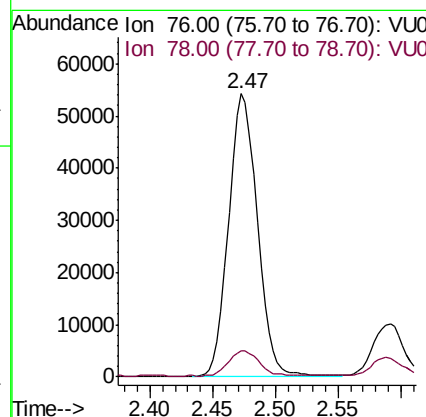
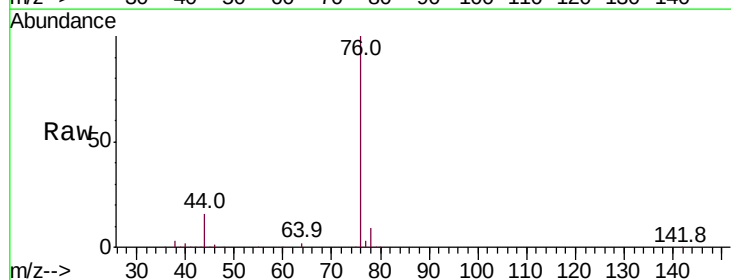
Manual Integrations
APPROVED

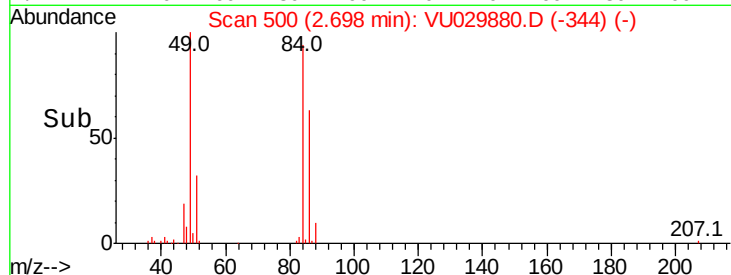
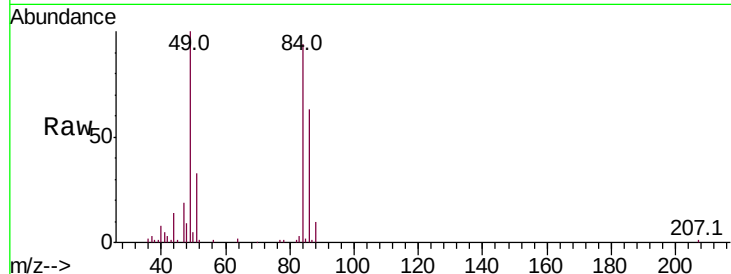
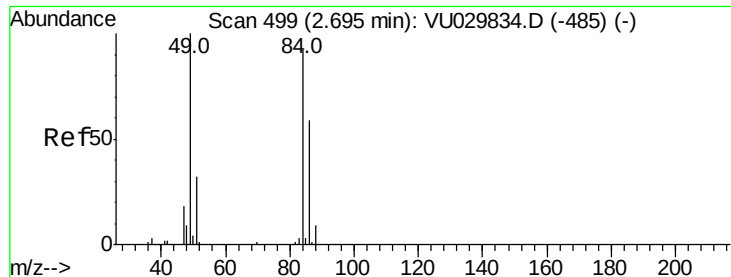
MMDadoda
3/11/2019 6:55:55 PM



#14
Carbon Disulfide
Concen: 1.752 ug/l
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VU029880.D
Acq: 08 Mar 2019 11:31

Tgt Ion: 76 Resp: 87050
Ion Ratio Lower Upper
76 100
78 8.7 7.2 10.8





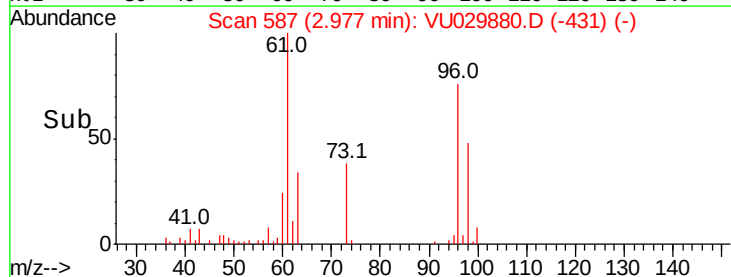
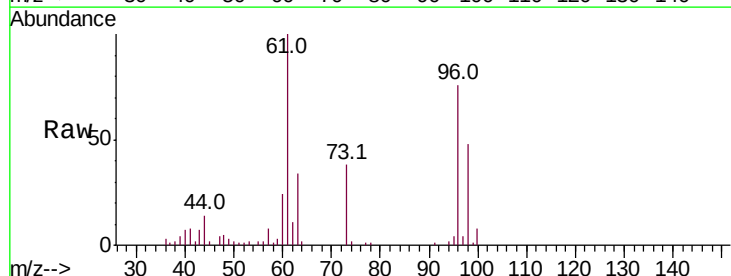
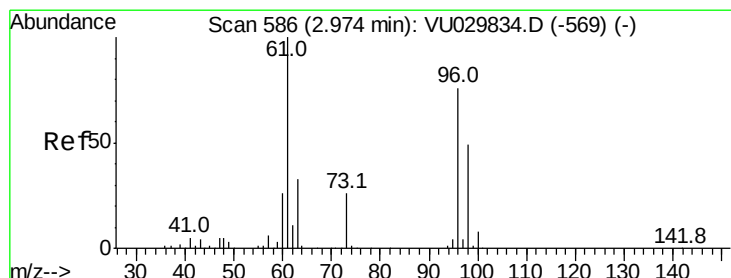
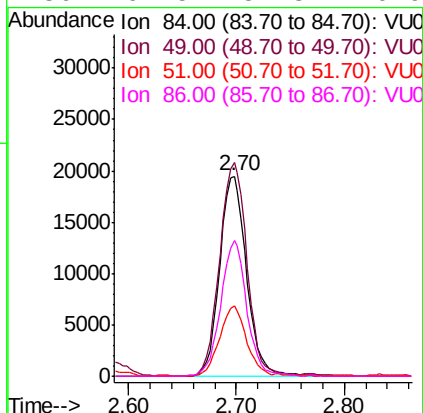
#15
Methvlene Chloride
Concen: 1.836 ug/l
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU029880.D
Acq: 08 Mar 2019 11:31

Tot Ion:	84	Resp:	33784
Ion	Ratio	Lower	Upper
84	100		
49	106.6	87.2	130.8
51	34.9	0.0	69.0
86	67.5	51.3	76.9

Instrument :
MSVOA_U
ClientSampleId :
VU0310WBSD01

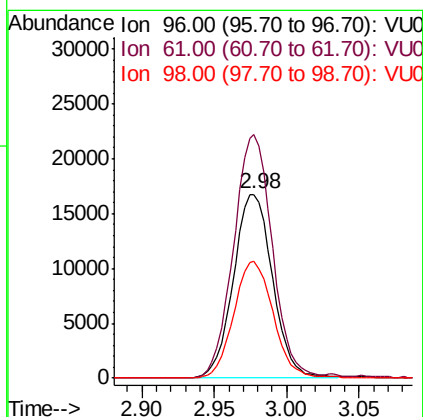
Manual Integrations
APPROVED

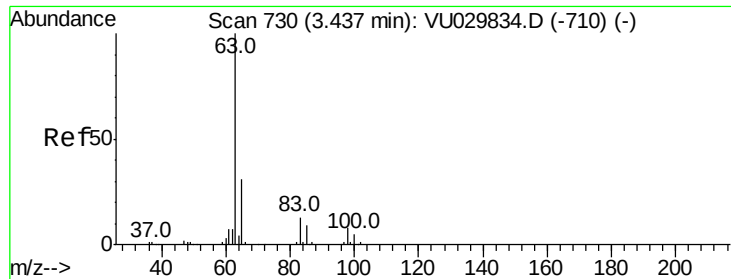
MMDadoda
3/11/2019 6:55:55 PM



#16
trans-1,2-Dichloroethene
Concen: 1.812 ug/l
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU029880.D
Acq: 08 Mar 2019 11:31

Tgt Ion:	96	Resp:	31394
Ion	Ratio	Lower	Upper
96	100		
61	132.3	104.7	157.1
98	63.2	50.9	76.3





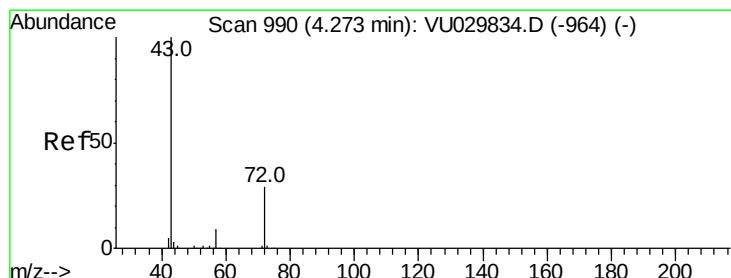
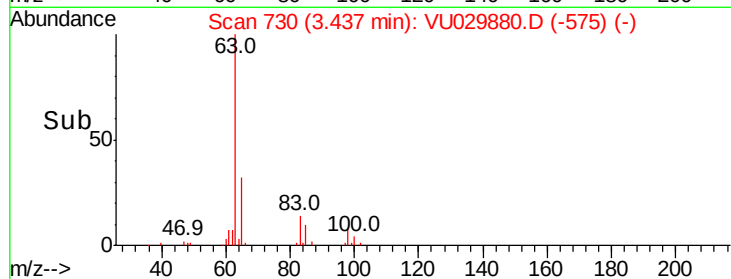
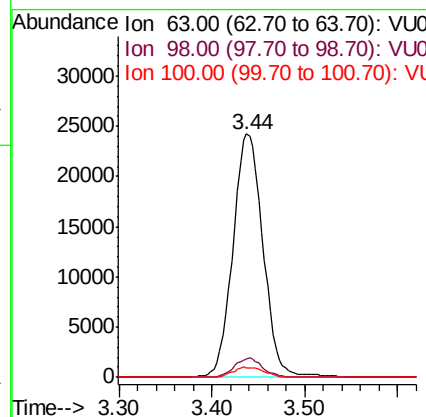
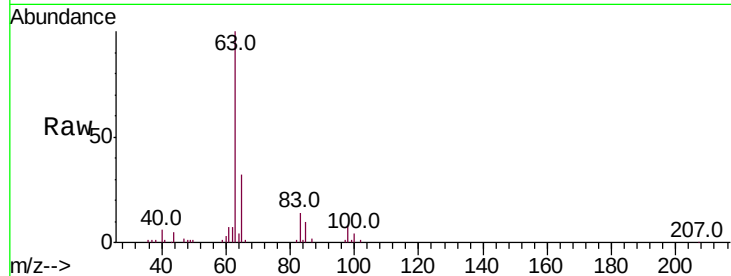
#17
 1,1-Dichloroethane
 Concen: 1.882 ug/l
 RT: 3.44 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU029880.D
 Acq: 08 Mar 2019 11:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0310WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	7.7	3.8	11.4	
100	4.0	2.4	7.1	

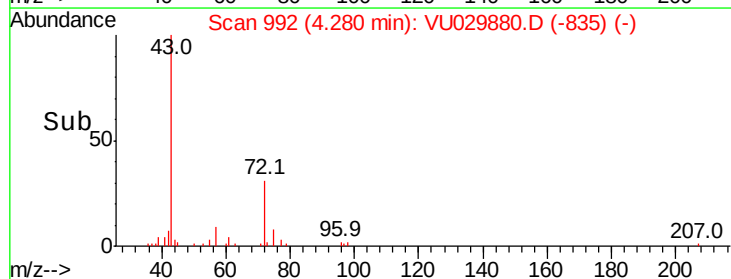
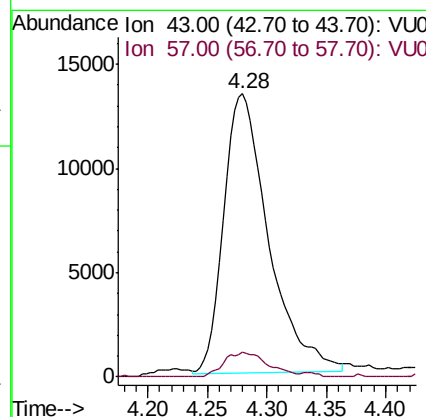
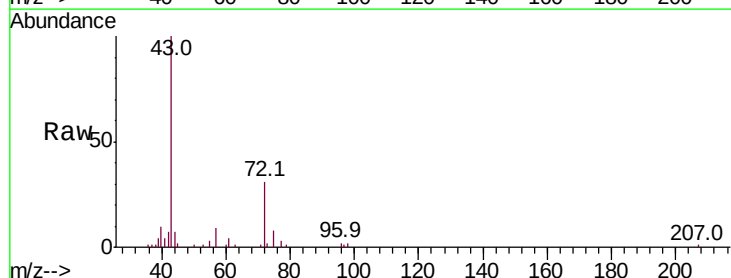
Manual Integrations
 APPROVED

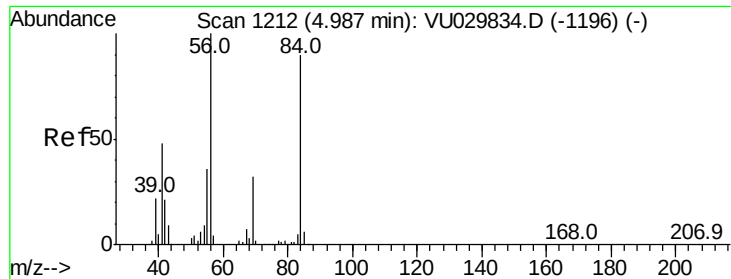
MMDadoda
 3/11/2019 6:55:55 PM



#18
 2-Butanone
 Concen: 9.268 ug/l
 RT: 4.28 min Scan# 992
 Delta R.T. 0.01 min
 Lab File: VU029880.D
 Acq: 08 Mar 2019 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
57	8.9	0.0	18.6	





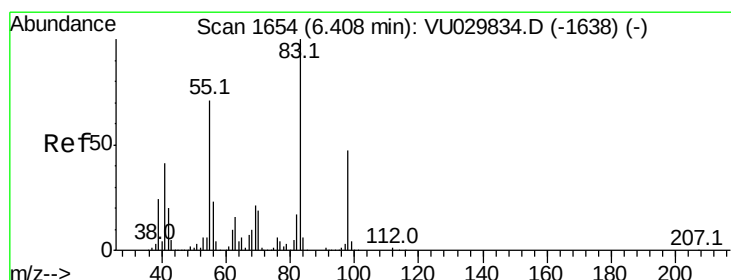
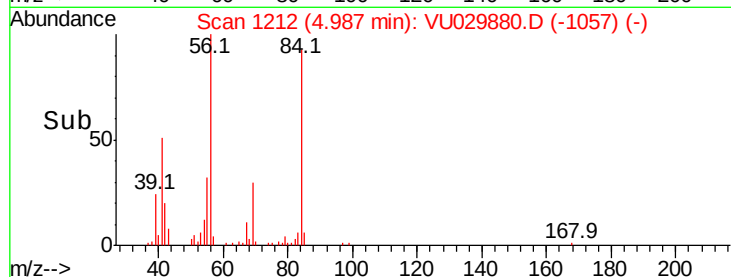
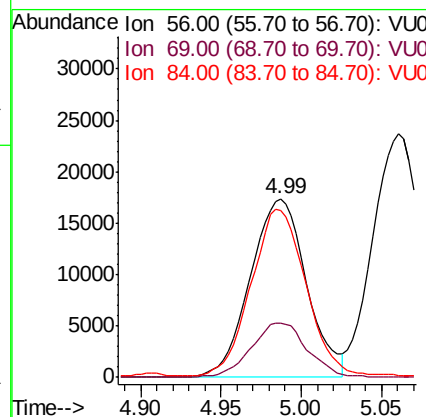
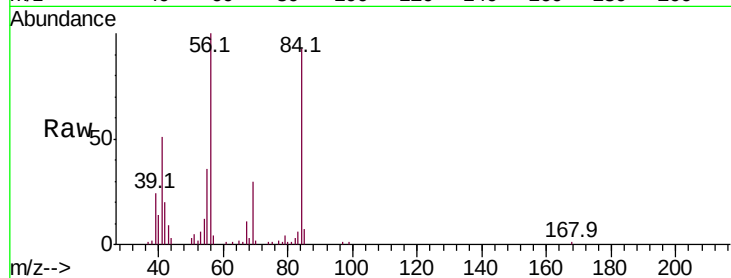
#19
Cyclohexane
Concen: 1.869 ug/l m
RT: 4.99 min Scan# 1212
Delta R.T. -0.00 min
Lab File: VU029880.D
Acq: 08 Mar 2019 11:31

Instrument :
MSVOA_U
ClientSampleId :
VU0310WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.5	29.4	44.2
84	90.5	84.6	127.0

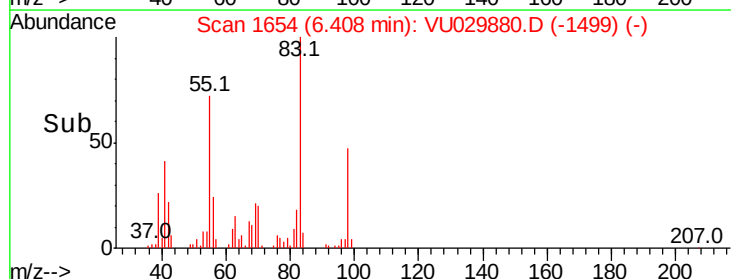
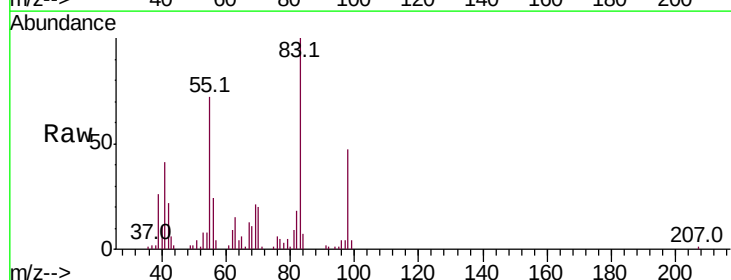
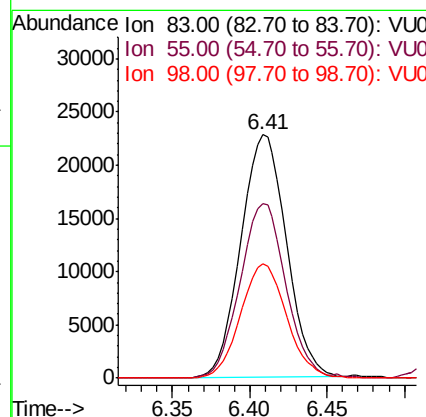
Manual Integrations
APPROVED

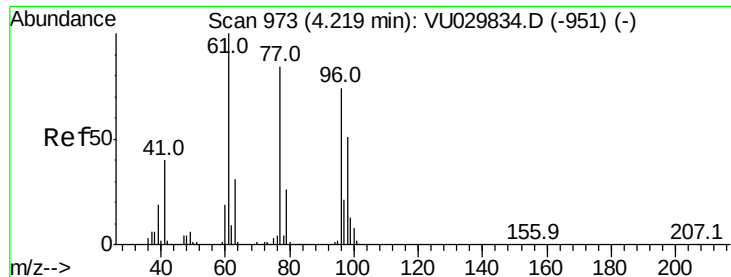
MMDadoda
3/11/2019 6:55:55 PM



#20
Methylcyclohexane
Concen: 1.786 ug/l
RT: 6.41 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VU029880.D
Acq: 08 Mar 2019 11:31

Tgt Ion	Ratio	Lower	Upper
83	100		
55	72.3	55.9	83.9
98	47.6	37.0	55.4





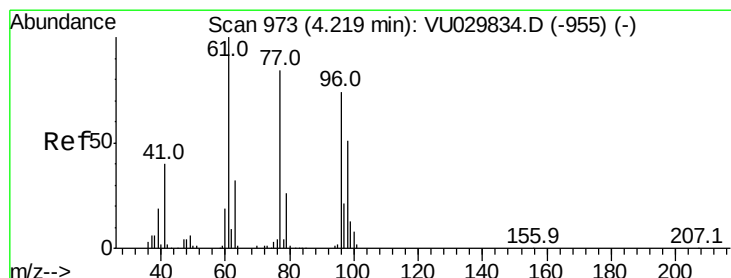
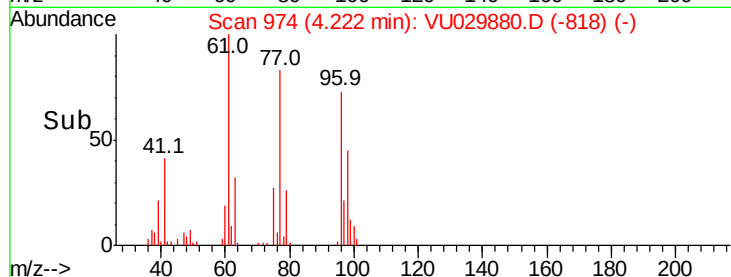
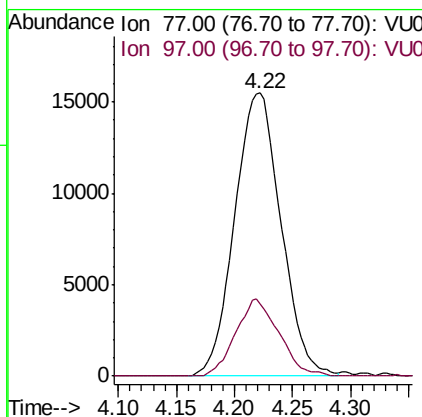
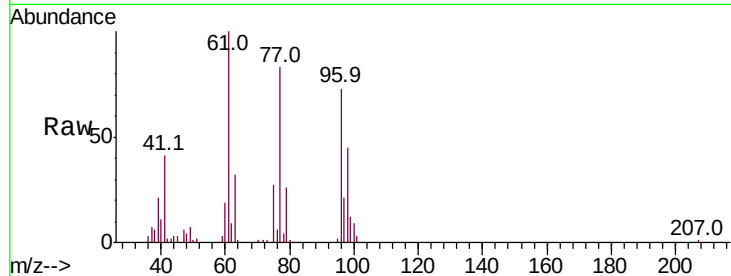
#21
2,2-Dichloropropane
Concen: 1.817 ug/l
RT: 4.22 min Scan# 974
Delta R.T. 0.00 min
Lab File: VU029880.D
Acq: 08 Mar 2019 11:31

Instrument :
MSVOA_U
ClientSampleId :
VU0310WBSD01

Tot Ion: 77 Resp: 43062
Ion Ratio Lower Upper
77 100
97 25.4 20.2 30.2

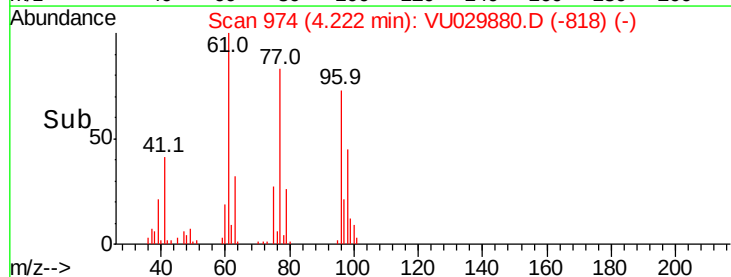
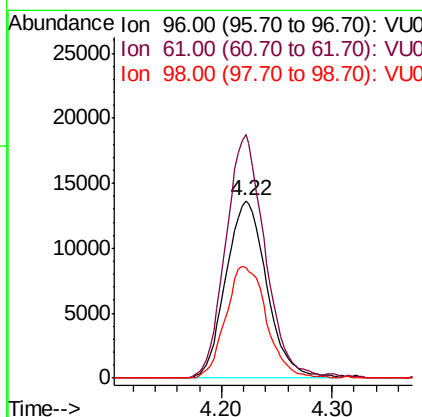
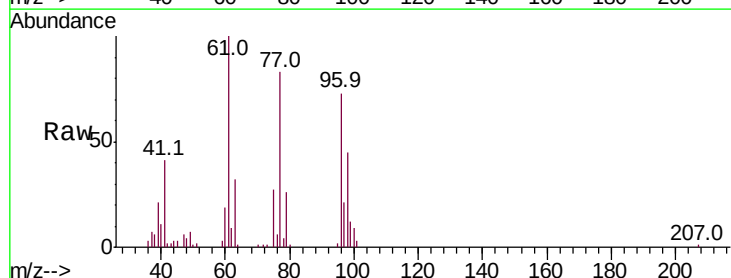
Manual Integrations
APPROVED

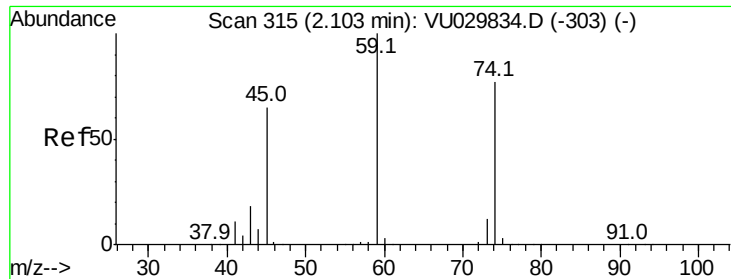
MMDadoda
3/11/2019 6:55:55 PM



#22
cis-1,2-Dichloroethene
Concen: 1.909 ug/l
RT: 4.22 min Scan# 974
Delta R.T. 0.00 min
Lab File: VU029880.D
Acq: 08 Mar 2019 11:31

Tgt Ion: 96 Resp: 35061
Ion Ratio Lower Upper
96 100
61 131.4 0.0 339.0
98 62.7 33.1 99.5





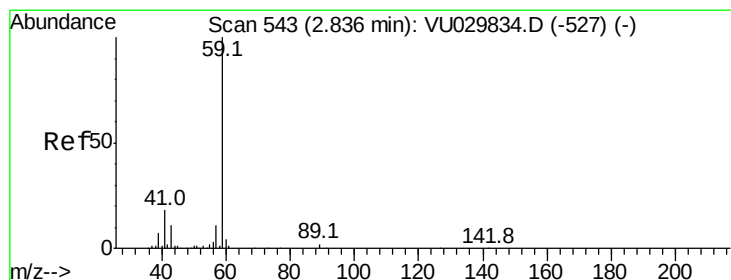
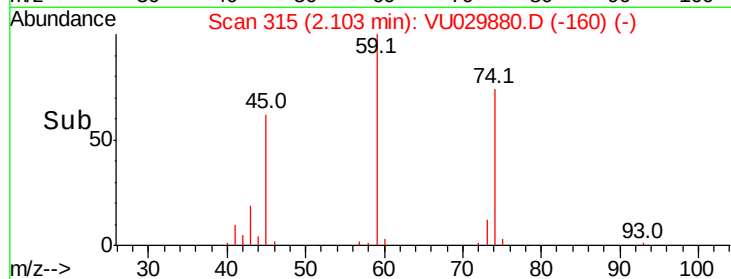
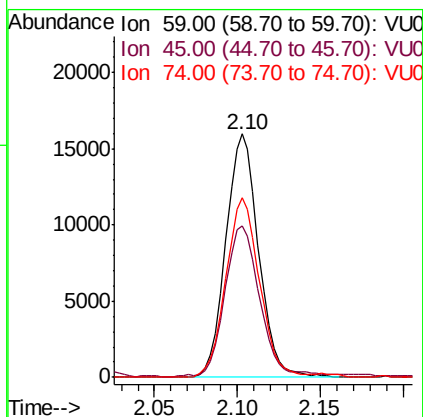
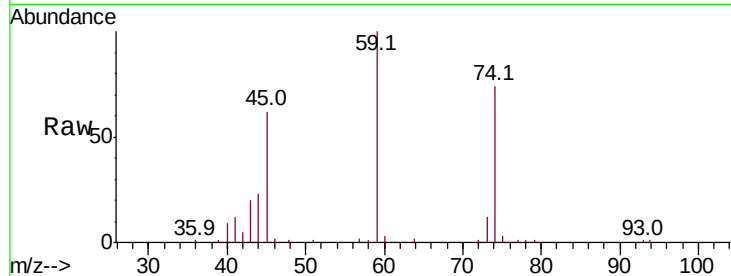
#23
Diethyl Ether
Concen: 1.906 ug/l
RT: 2.10 min Scan# 315
Delta R.T. -0.00 min
Lab File: VU029880.D
Acq: 08 Mar 2019 11:31

Instrument :
MSVOA_U
ClientSampleId :
VU0310WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
45	67.1	52.7	79.1
74	75.7	61.8	92.6

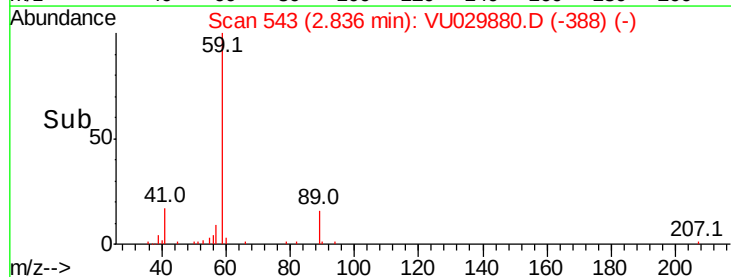
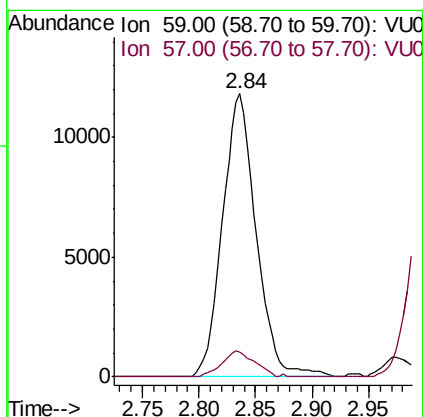
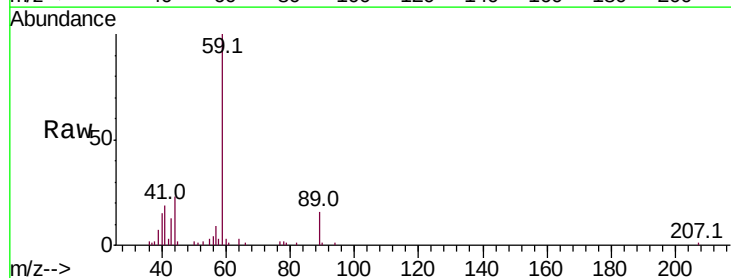
Manual Integrations
APPROVED

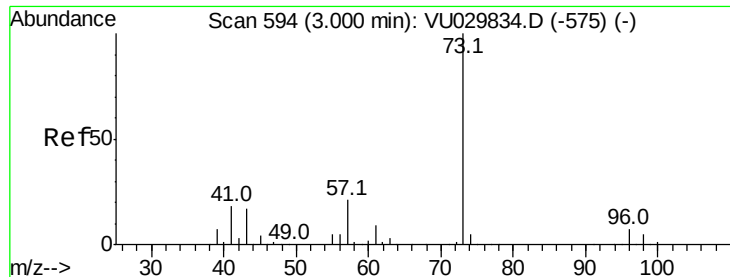
MMDadoda
3/11/2019 6:55:55 PM



#24
tert-Butyl Alcohol
Concen: 20.664 ug/l
RT: 2.84 min Scan# 543
Delta R.T. -0.00 min
Lab File: VU029880.D
Acq: 08 Mar 2019 11:31

Tgt Ion	Ratio	Lower	Upper
59	100		
57	8.9	8.5	12.7





#25

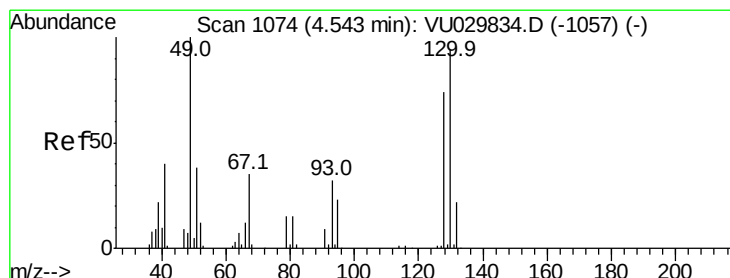
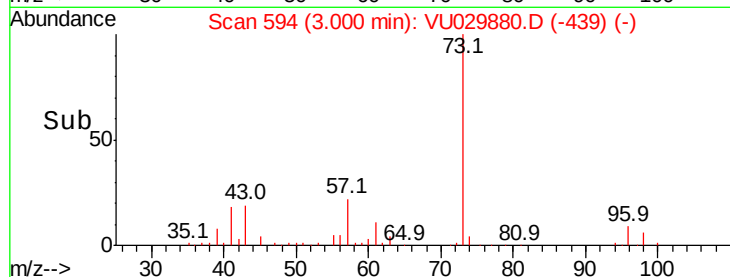
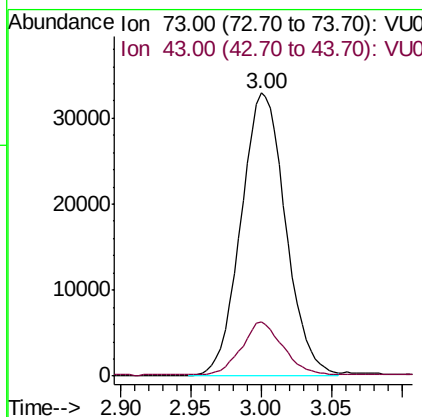
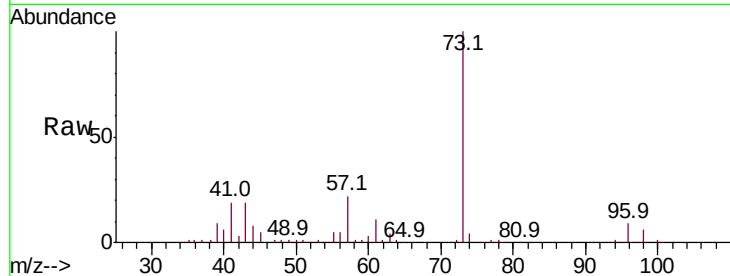
Methyl tert-Butyl Ether
Concen: 1.892 ug/l
RT: 3.00 min Scan# 594
Delta R.T. -0.00 min
Lab File: VU029880.D
Acq: 08 Mar 2019 11:31

Instrument :
MSVOA_U
ClientSampleId :
VU0310WBSD01

Tot Ion: 73 Resp: 73087
Ion Ratio Lower Upper
73 100
43 16.6 13.1 19.7

Manual Integrations
APPROVED

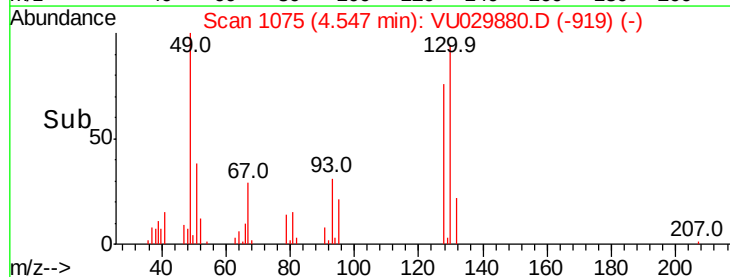
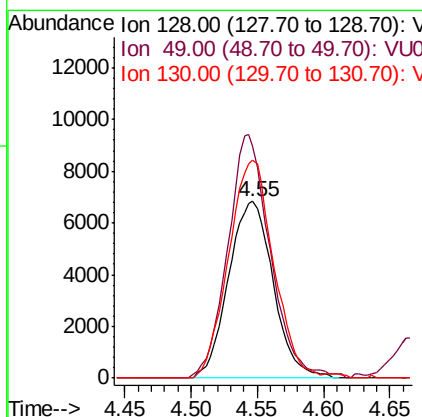
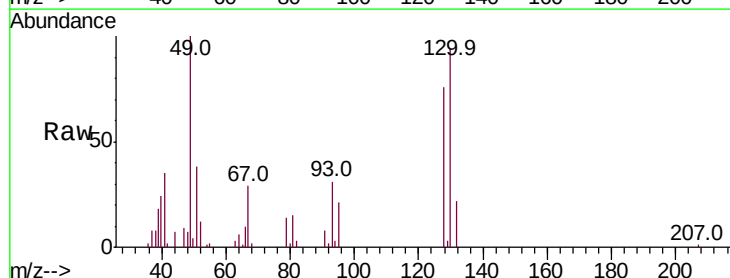
MMDadoda
3/11/2019 6:55:55 PM

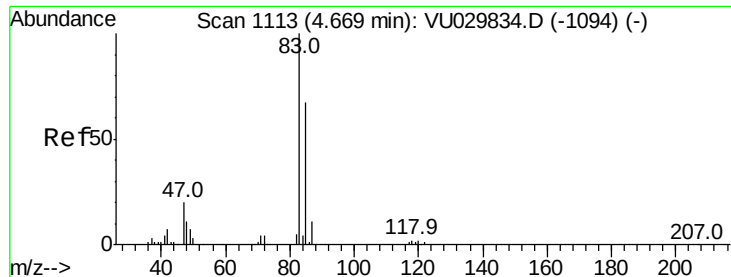


#26

Bromochloromethane
Concen: 1.961 ug/l
RT: 4.55 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VU029880.D
Acq: 08 Mar 2019 11:31

Tgt Ion: 128 Resp: 15985
Ion Ratio Lower Upper
128 100
49 131.4 0.0 270.6
130 124.3 104.2 156.4





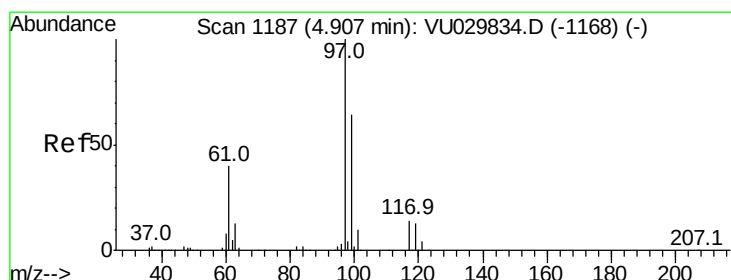
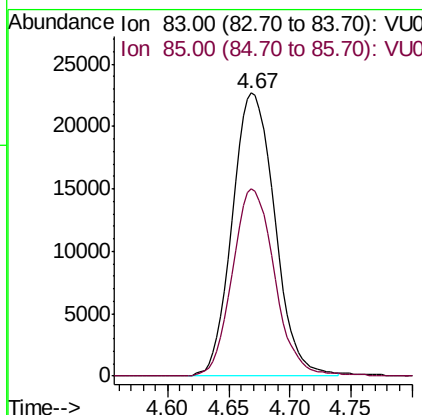
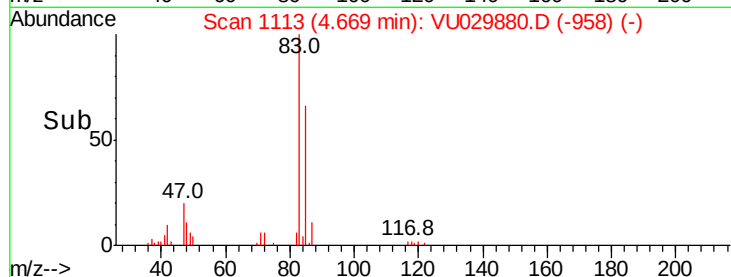
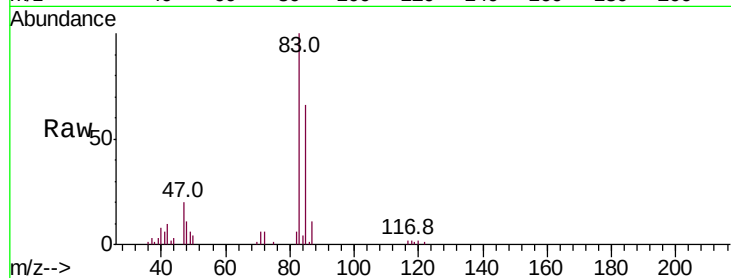
#27
Chloroform
Concen: 1.870 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU029880.D
Acq: 08 Mar 2019 11:31

Instrument :
MSVOA_U
ClientSampleId :
VU0310WBSD01

Tot Ion	83	Resp	54883
Ion Ratio	100	Lower	Upper
85	66.3	0.0	133.2

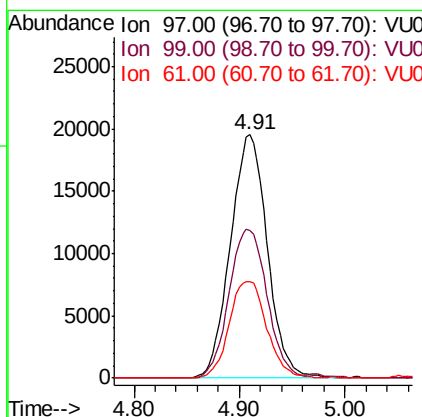
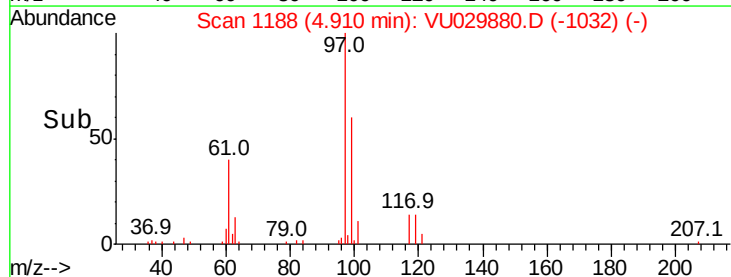
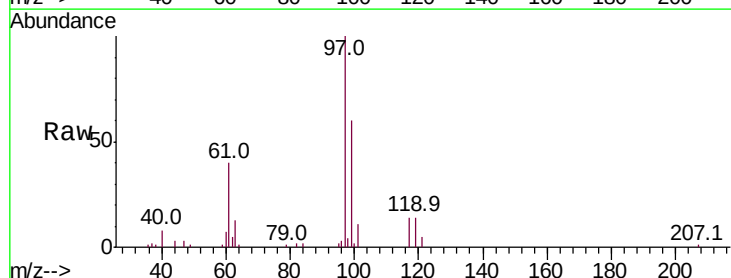
Manual Integrations
APPROVED

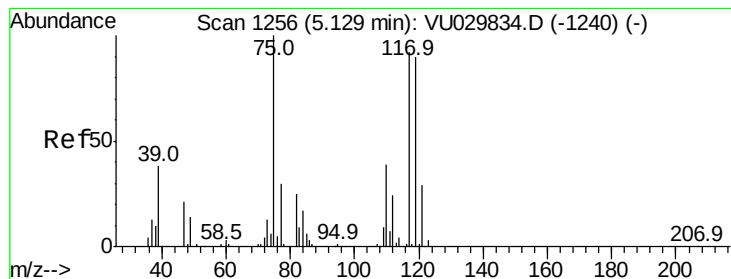
MMDadoda
3/11/2019 6:55:55 PM



#28
1,1,1-Trichloroethane
Concen: 1.906 ug/l
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU029880.D
Acq: 08 Mar 2019 11:31

Tgt Ion	97	Resp	47449
Ion Ratio	100	Lower	Upper
99	63.1	31.9	95.9
61	40.4	20.4	61.3





#29

1,1-Dichloropropene

Concen: 1.838 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU029880.D

Acq: 08 Mar 2019 11:31

Instrument :

MSVOA_U

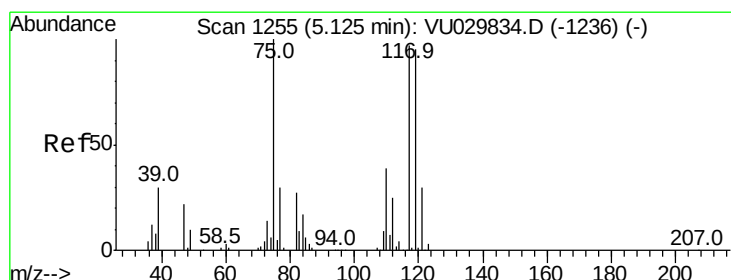
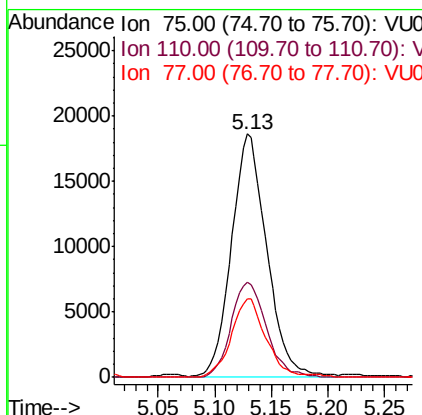
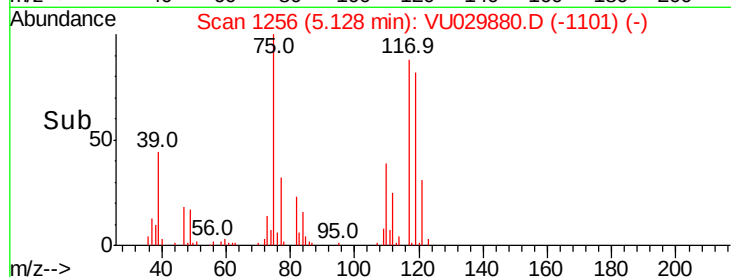
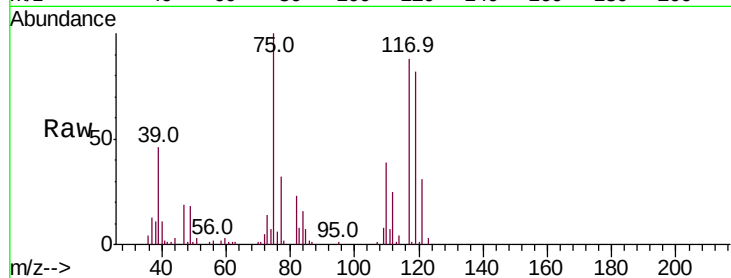
ClientSampleId :

VU0310WBSD01

Tot Ion:	75	Resp:	40653
Ion Ratio	Lower	Upper	
75	100		
110	38.7	19.1	57.5
77	31.7	23.9	35.9

Manual Integrations
APPROVED

MMDadoda
3/11/2019 6:55:55 PM



#30

Carbon Tetrachloride

Concen: 1.822 ug/l

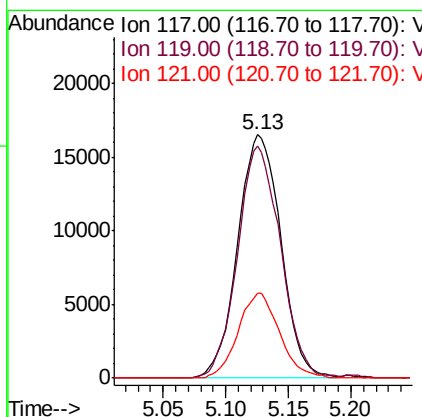
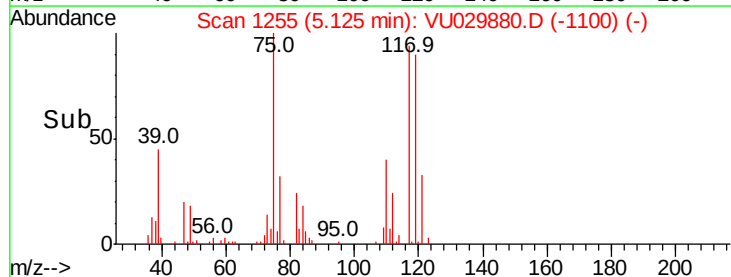
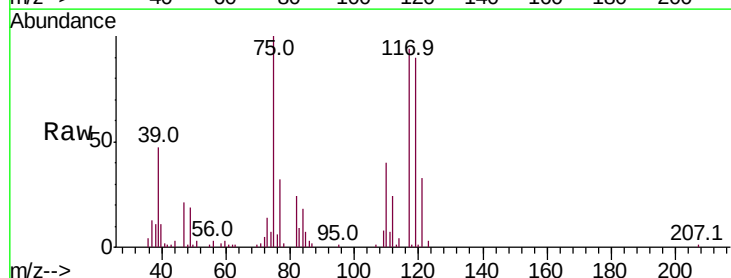
RT: 5.13 min Scan# 1255

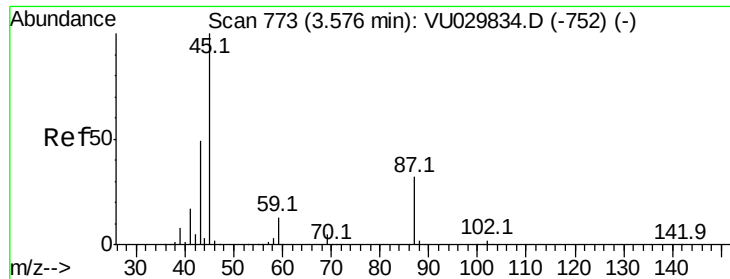
Delta R.T. -0.00 min

Lab File: VU029880.D

Acq: 08 Mar 2019 11:31

Tgt Ion:	117	Resp:	39564
Ion Ratio	Lower	Upper	
117	100		
119	95.1	78.4	117.6
121	34.8	25.0	37.4





#31

Isopropyl Ether

Concen: 1.934 ug/l

RT: 3.58 min Scan# 773

Delta R.T. -0.00 min

Lab File: VU029880.D

Acq: 08 Mar 2019 11:31

Instrument :

MSVOA_U

ClientSampleId :

VU0310WBSD01

Tot Ion: 45 Resp: 77310

Ion Ratio Lower Upper

45 100

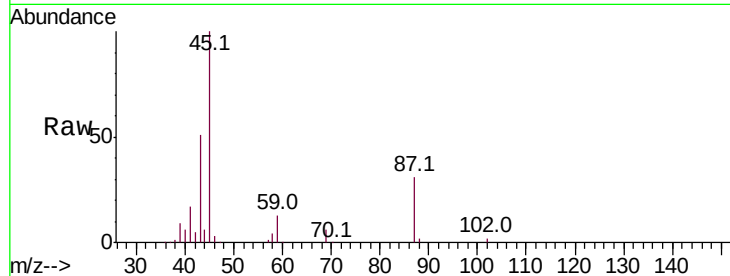
43 50.7 24.3 72.9

Manual Integrations

APPROVED

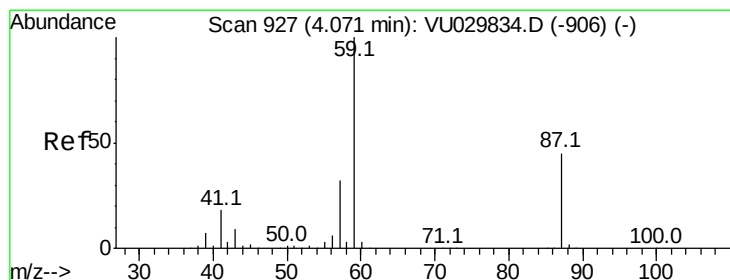
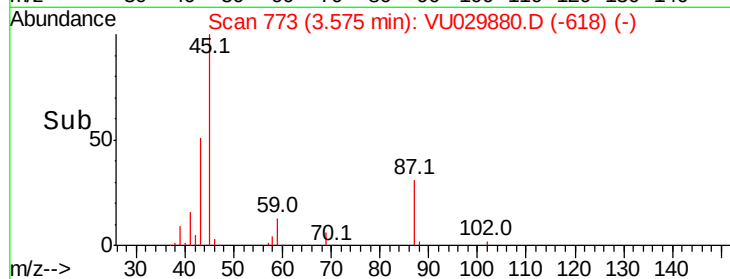
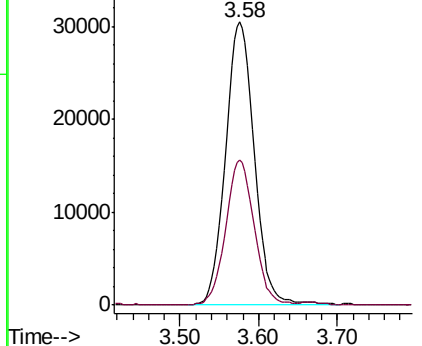
MMDadoda

3/11/2019 6:55:55 PM



Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0



#32

Ethyl-t-butyl ether

Concen: 1.885 ug/l

RT: 4.07 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU029880.D

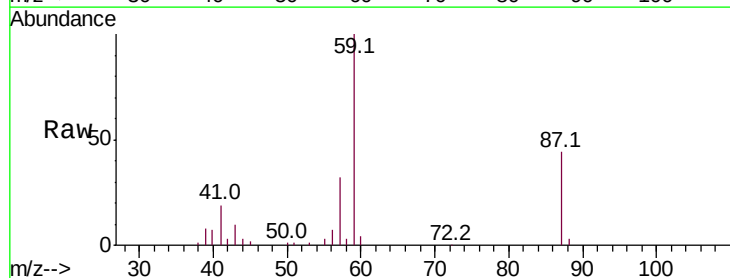
Acq: 08 Mar 2019 11:31

Tgt Ion: 59 Resp: 73260

Ion Ratio Lower Upper

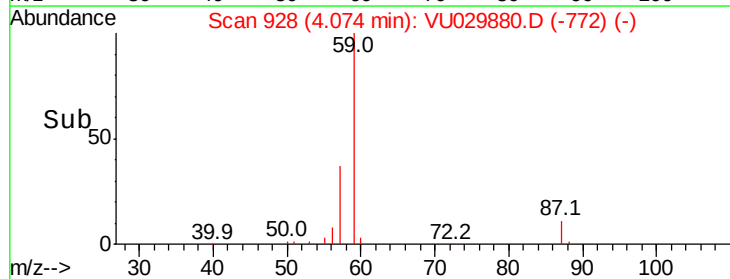
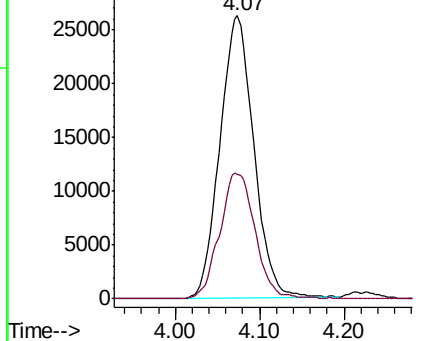
59 100

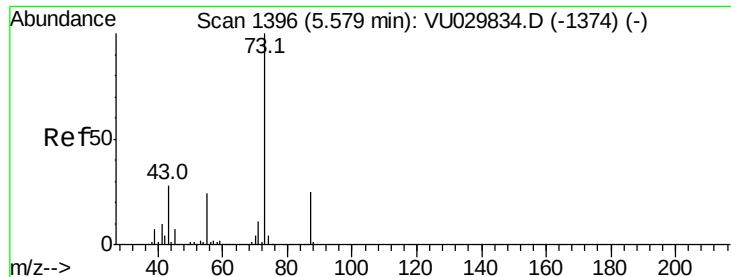
87 45.9 36.2 54.4



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#33

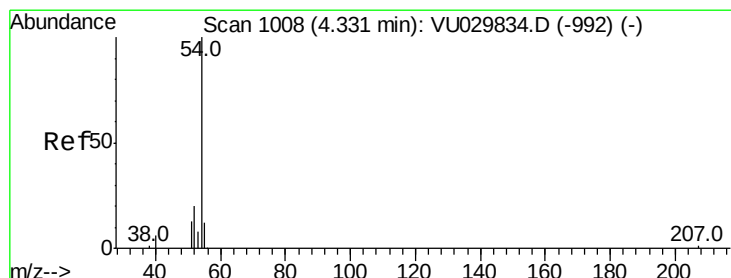
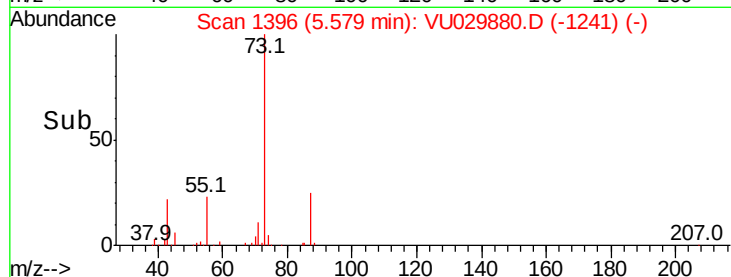
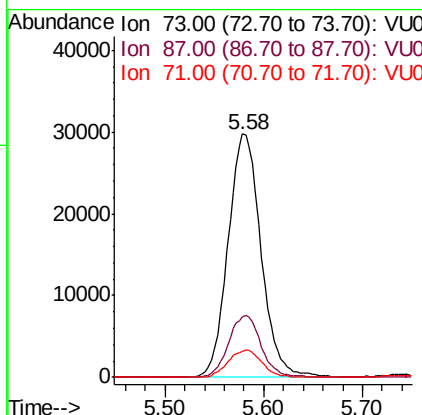
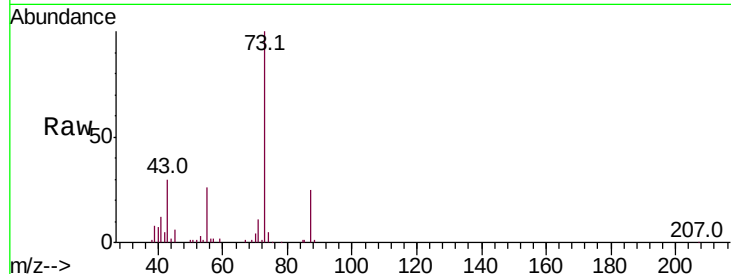
Tert-Butyl methyl ether
 Concen: 1.926 ug/l
 RT: 5.58 min Scan# 1396
 Delta R.T. -0.00 min
 Lab File: VU029880.D
 Acq: 08 Mar 2019 11:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0310WBSD01

Tot Ion	73	Resp	69204
Ion	Ratio	Lower	Upper
73	100		
87	25.0	19.7	29.5
71	11.4	9.4	14.2

Manual Integrations
 APPROVED

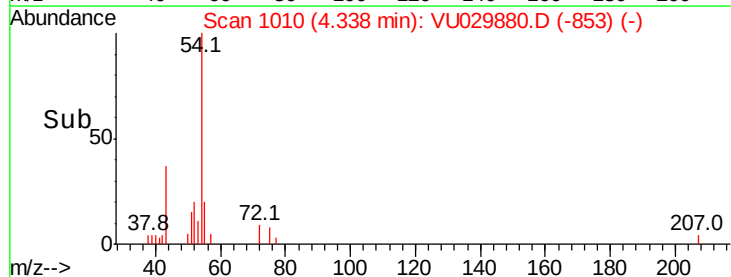
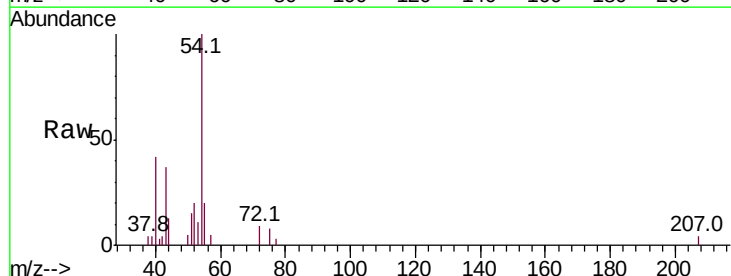
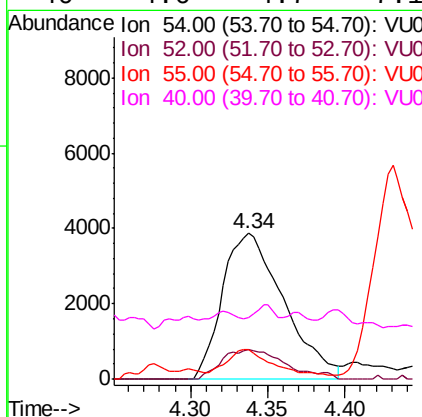
MMDadoda
 3/11/2019 6:55:55 PM

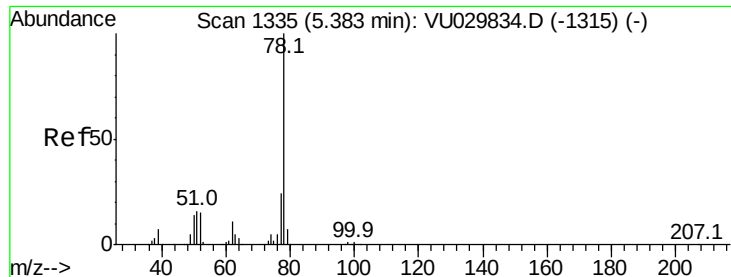


#34

Propionitrile
 Concen: 9.506 ug/l
 RT: 4.34 min Scan# 1010
 Delta R.T. 0.01 min
 Lab File: VU029880.D
 Acq: 08 Mar 2019 11:31

Tgt Ion	54	Resp	10644
Ion	Ratio	Lower	Upper
54	100		
52	20.2	16.1	24.1
55	12.2	11.2	16.8
40	4.6	4.7	7.1#





#35

Benzene

Concen: 1.879 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU029880.D

Acq: 08 Mar 2019 11:31

Instrument :

MSVOA_U

ClientSampleId :

VU0310WBSD01

Tot Ion: 78 Resp: 122420

Ion Ratio Lower Upper

78 100

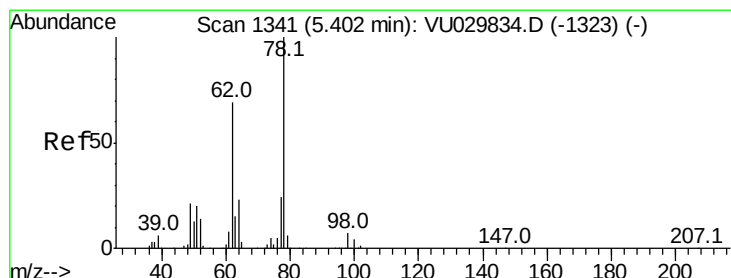
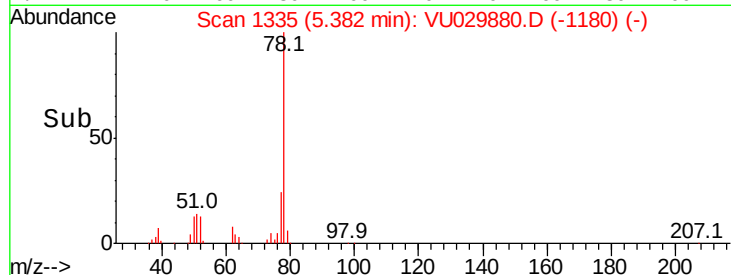
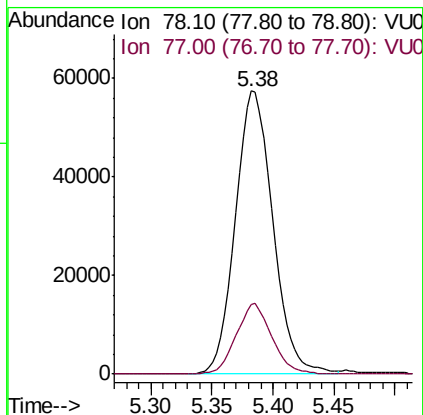
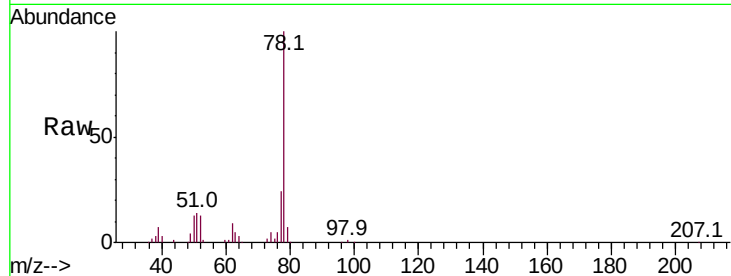
77 24.5 19.2 28.8

Manual Integrations

APPROVED

MMDadoda

3/11/2019 6:55:55 PM



#36

1,2-Dichloroethane

Concen: 1.884 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VU029880.D

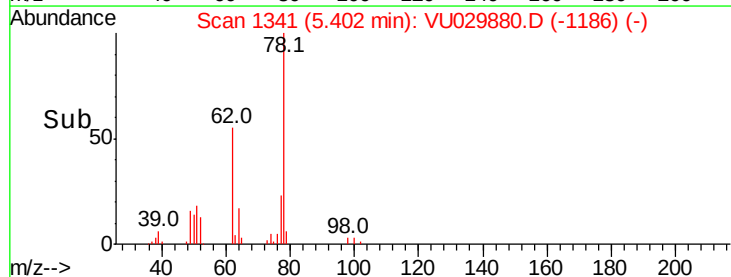
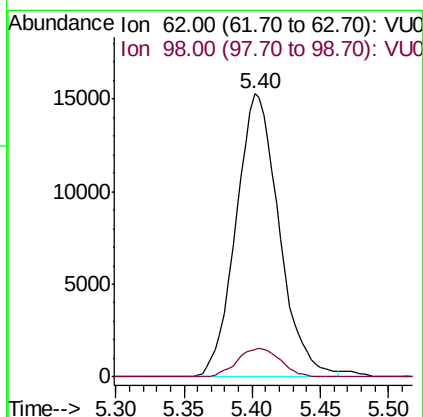
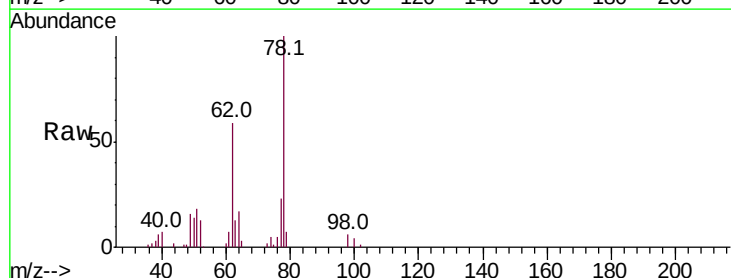
Acq: 08 Mar 2019 11:31

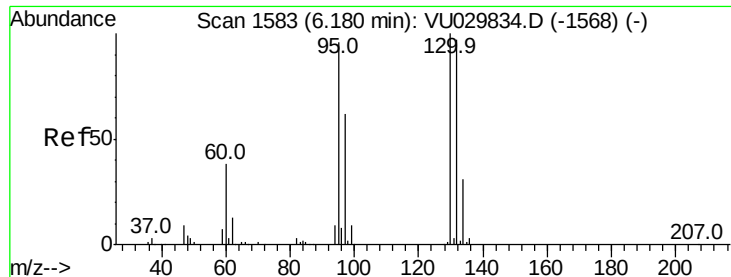
Tgt Ion: 62 Resp: 33520

Ion Ratio Lower Upper

62 100

98 10.1 8.2 12.2





#37

Trichloroethene

Concen: 1.801 ug/l

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU029880.D

Acq: 08 Mar 2019 11:31

Instrument :

MSVOA_U

ClientSampleId :

VU0310WBSD01

Tot Ion:130 Resp: 34266

Ion Ratio Lower Upper

130 100

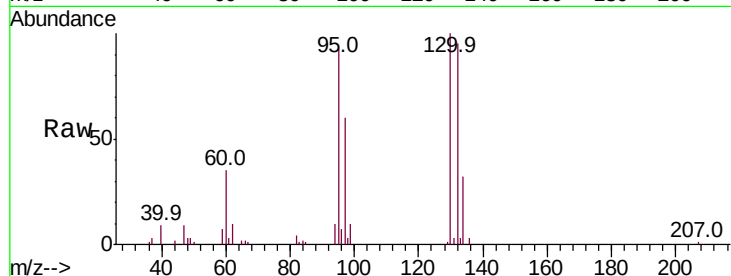
95 93.4 76.6 114.8

Manual Integrations

APPROVED

MMDadoda

3/11/2019 6:55:55 PM



Abundance Ion 129.90 (129.60 to 130.60): VU029834.D (-1568) (-)

Ion 94.90 (94.60 to 95.60): VU029834.D (-1568) (-)

6.18

20000

15000

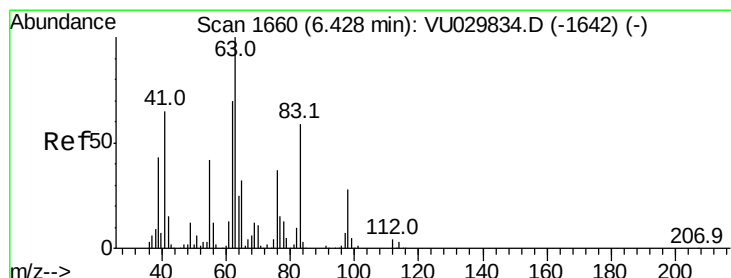
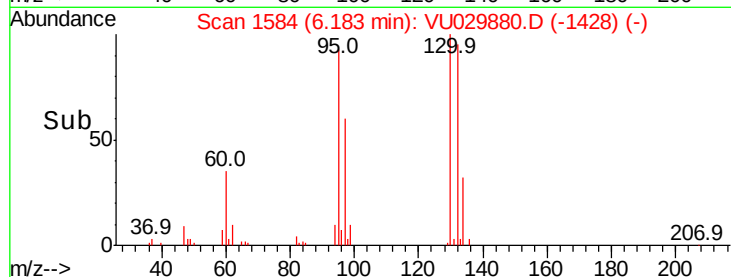
10000

5000

0

6.10 6.15 6.20 6.25

Time-->



#38

1,2-Dichloropropane

Concen: 1.845 ug/l

RT: 6.43 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VU029880.D

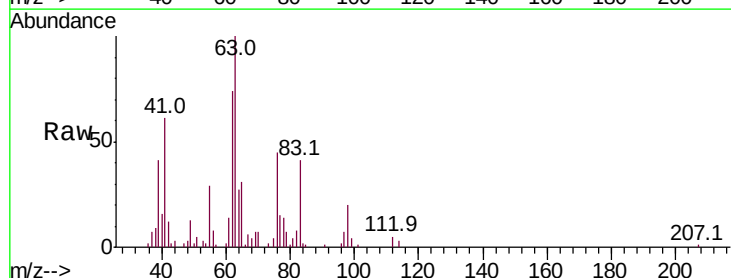
Acq: 08 Mar 2019 11:31

Tgt Ion: 63 Resp: 30426

Ion Ratio Lower Upper

63 100

65 31.2 25.4 38.2



Abundance Ion 63.00 (62.70 to 63.70): VU029834.D (-1642) (-)

Ion 65.00 (64.70 to 65.70): VU029834.D (-1642) (-)

6.43

15000

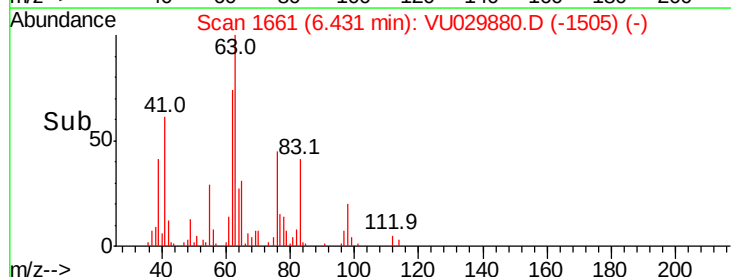
10000

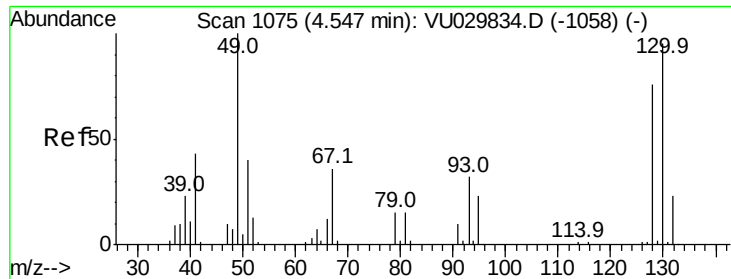
5000

0

6.35 6.40 6.45 6.50

Time-->





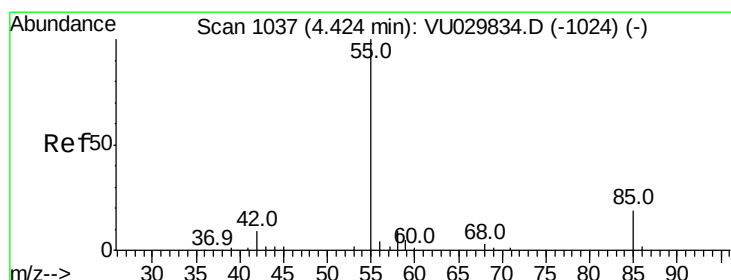
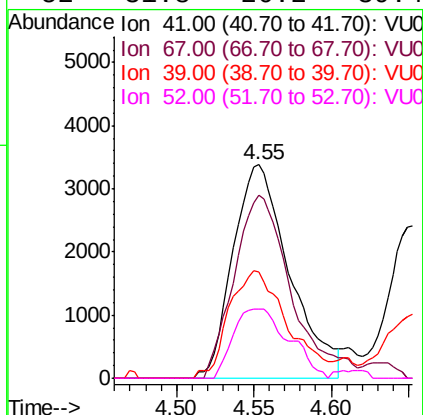
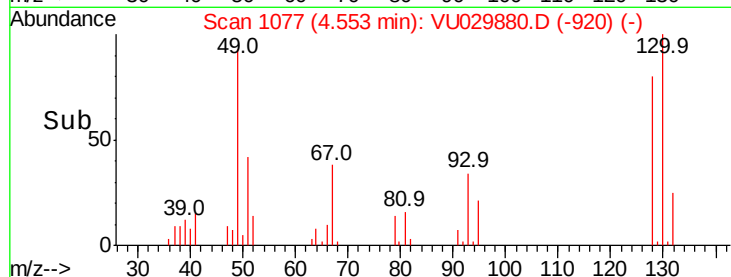
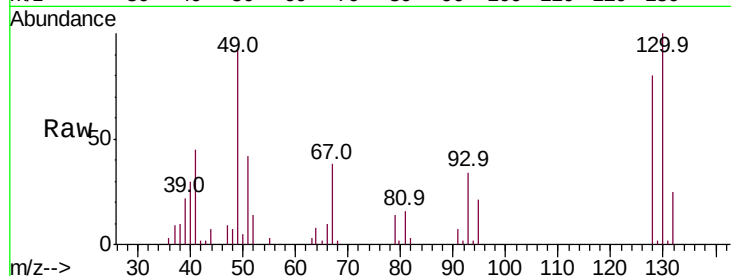
#39
Methacrylonitrile
Concen: 1.826 ug/l
RT: 4.55 min Scan# 1077
Delta R.T. 0.01 min
Lab File: VU029880.D
Acq: 08 Mar 2019 11:31

Instrument :
MSVOA_U
ClientSampled :
VU0310WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
67	86.3	68.4	102.6
39	51.8	42.6	63.8
52	31.8	26.2	39.4

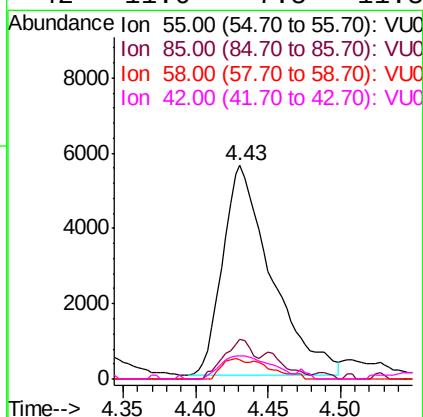
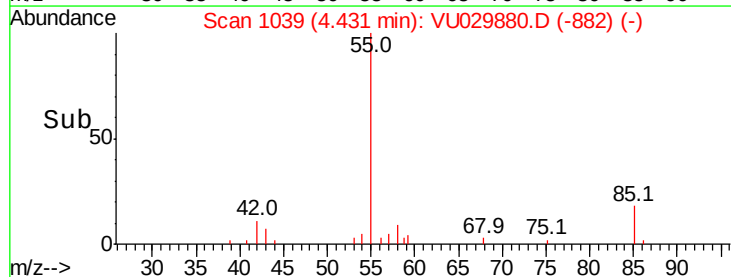
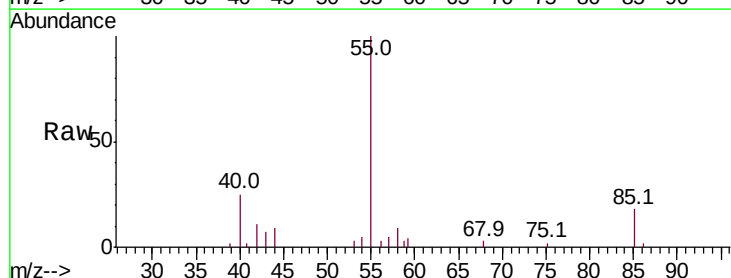
Manual Integrations
APPROVED

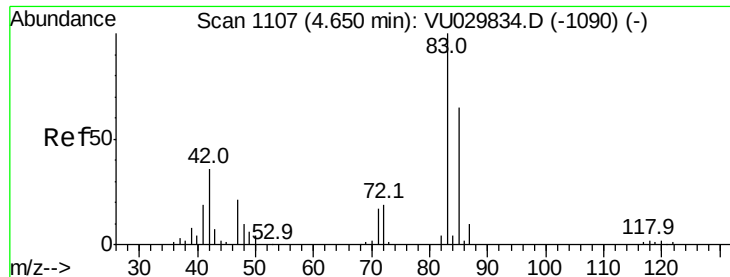
MMDadoda
3/11/2019 6:55:55 PM



#40
Methyl acrylate
Concen: 1.738 ug/l
RT: 4.43 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VU029880.D
Acq: 08 Mar 2019 11:31

Tgt Ion	Ratio	Lower	Upper
55	100		
85	11.5	15.2	22.8#
58	5.1	7.6	11.4#
42	11.6	7.5	11.3#





#41

Tetrahydrofuran

Concen: 3.710 ug/l

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VU029880.D

Acq: 08 Mar 2019 11:31

Instrument :

MSVOA_U

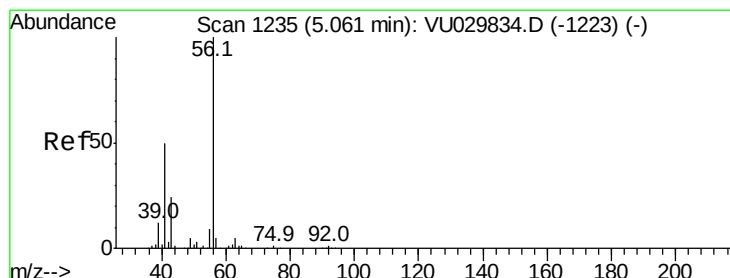
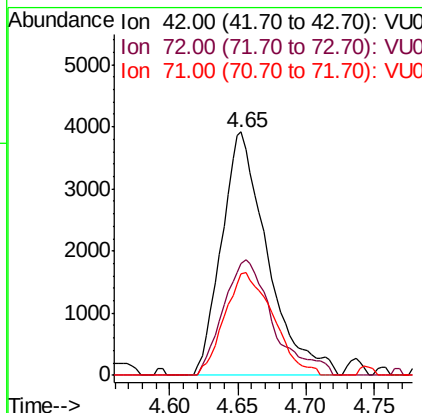
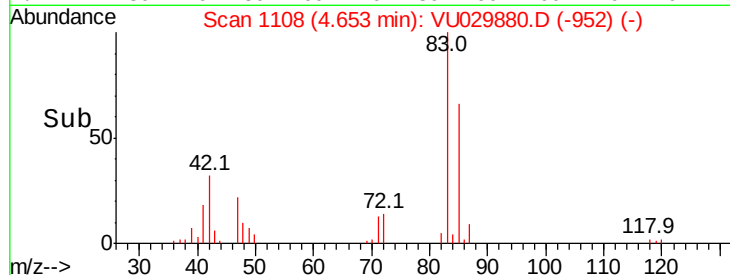
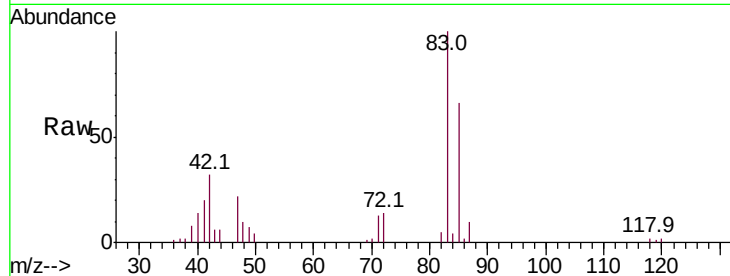
ClientSampleId :

VU0310WBSD01

Tot Ion:	42	Resp:	9140
Ion	Ratio	Lower	Upper
42	100		
72	51.2	43.6	65.4
71	44.5	37.5	56.3

Manual Integrations
APPROVED

MMDadoda
3/11/2019 6:55:55 PM



#42

1-Chlorobutane

Concen: 1.804 ug/l

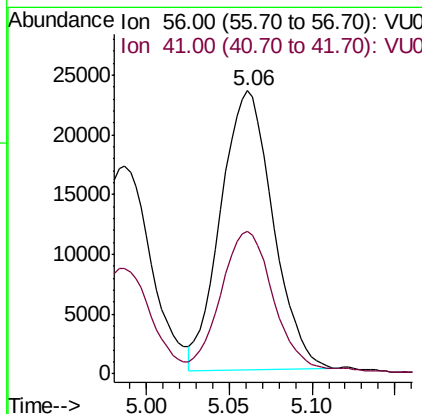
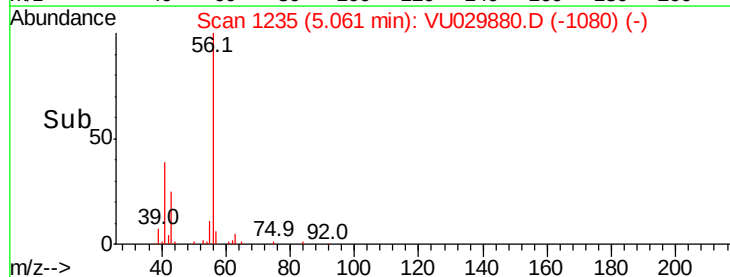
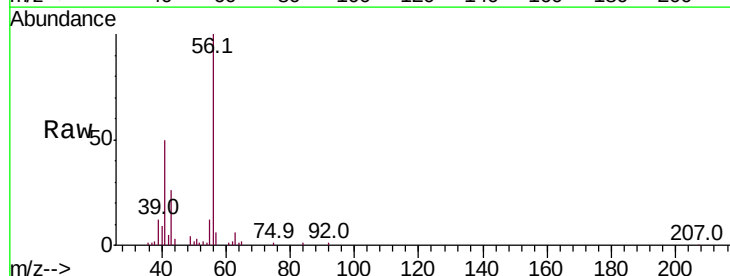
RT: 5.06 min Scan# 1235

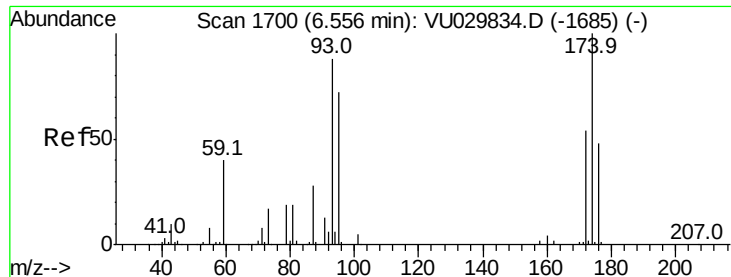
Delta R.T. -0.00 min

Lab File: VU029880.D

Acq: 08 Mar 2019 11:31

Tgt Ion:	56	Resp:	50985
Ion	Ratio	Lower	Upper
56	100		
41	49.5	25.0	75.0





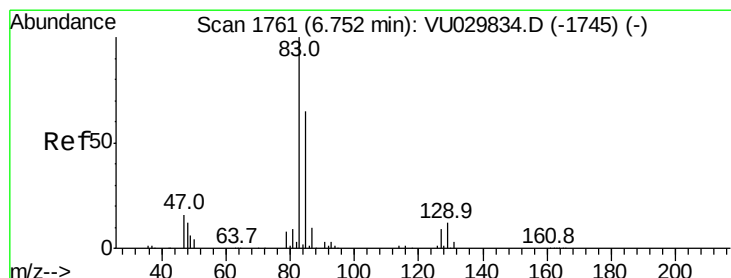
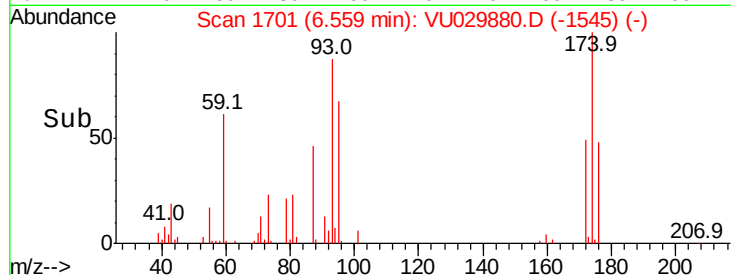
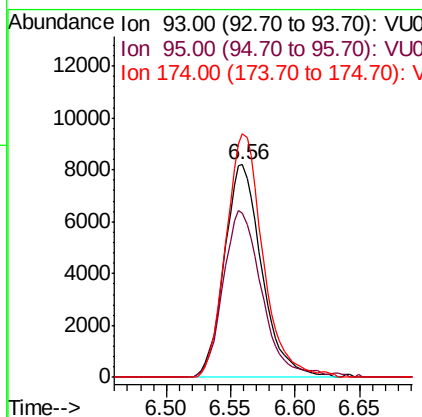
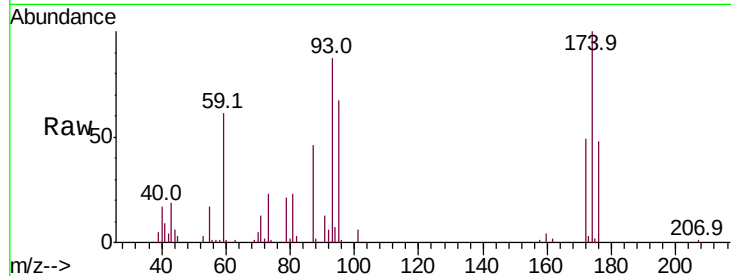
#43
Dibromomethane
Concen: 1.934 ug/l
RT: 6.56 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VU029880.D
Acq: 08 Mar 2019 11:31

Instrument :
MSVOA_U
ClientSampleId :
VU0310WBSD01

Tot Ion: 93 Resp: 16534
Ion Ratio Lower Upper
93 100
95 81.1 67.0 100.6
174 113.5 91.4 137.2

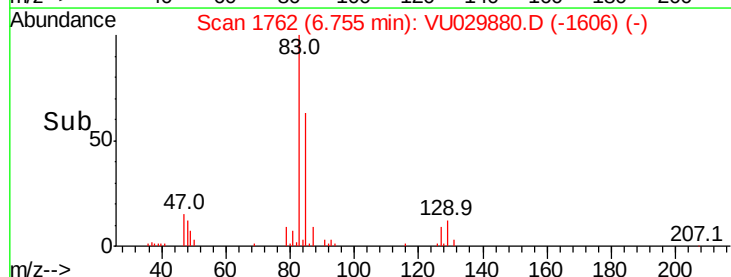
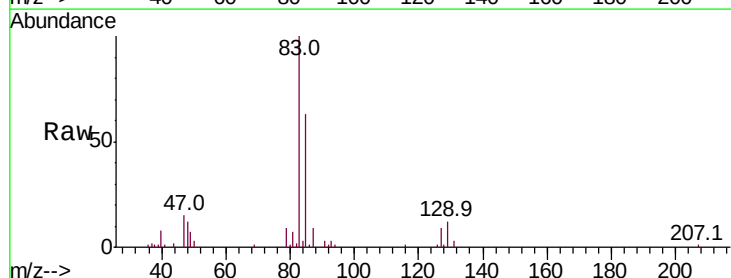
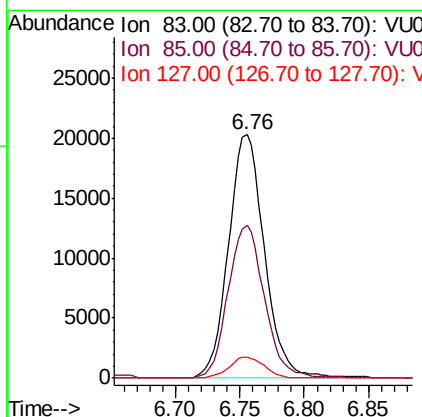
Manual Integrations
APPROVED

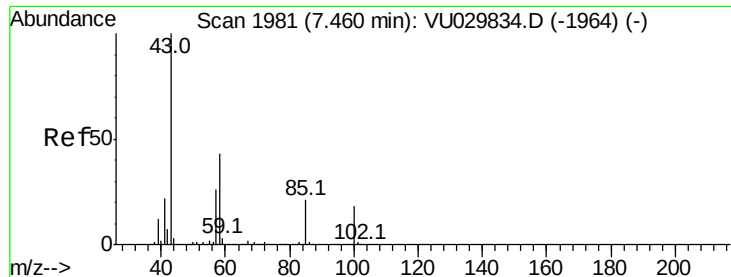
MMDadoda
3/11/2019 6:55:55 PM



#44
Bromodichloromethane
Concen: 1.869 ug/l
RT: 6.76 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VU029880.D
Acq: 08 Mar 2019 11:31

Tgt Ion: 83 Resp: 39242
Ion Ratio Lower Upper
83 100
85 62.8 51.7 77.5
127 8.8 7.4 11.2





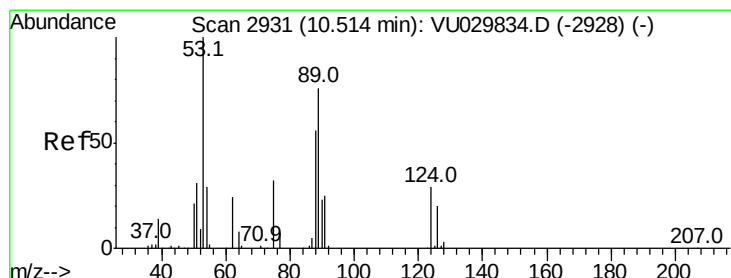
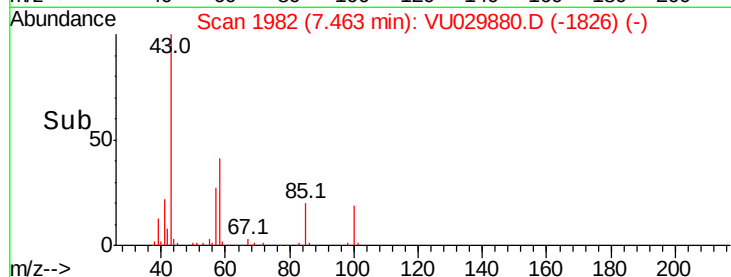
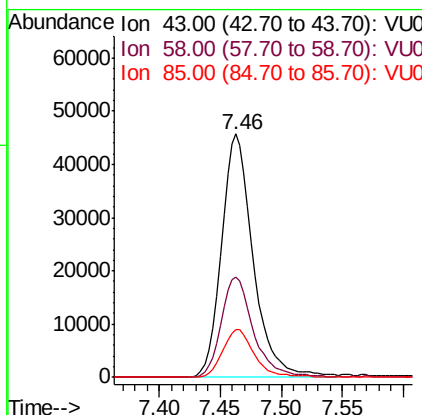
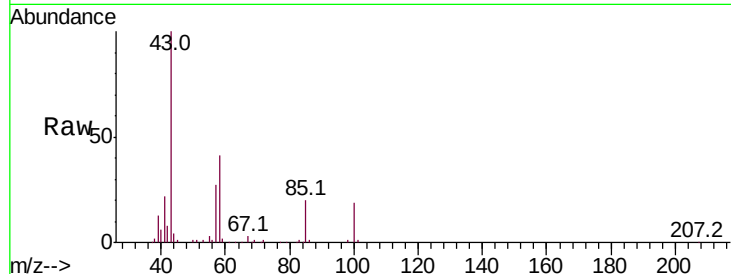
#45
4-Methyl-2-Pentanone
Concen: 9.345 ug/l
RT: 7.46 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VU029880.D
Acq: 08 Mar 2019 11:31

Instrument :
MSVOA_U
ClientSampleId :
VU0310WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.8	21.6	65.0
85	19.6	16.5	24.7

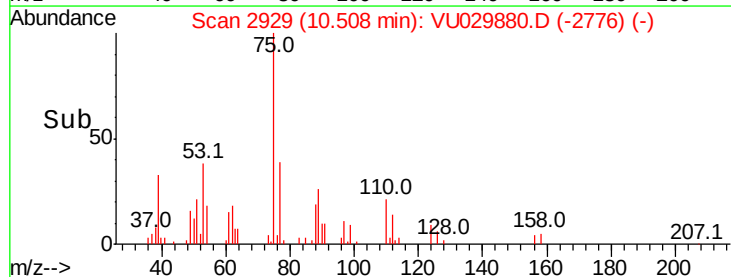
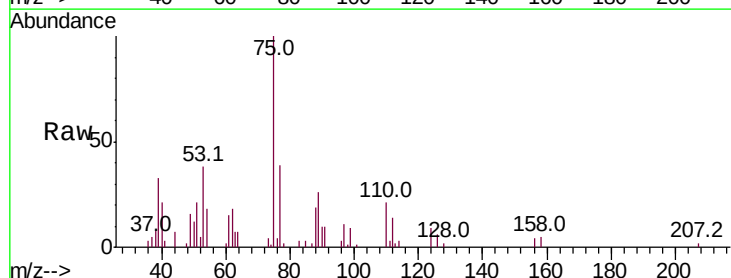
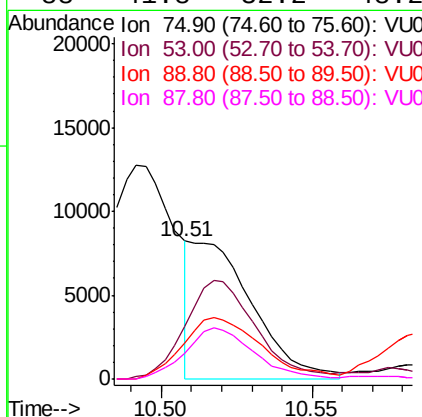
Manual Integrations
APPROVED

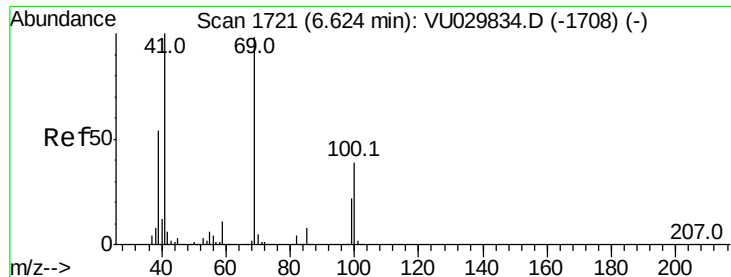
MMDadoda
3/11/2019 6:55:55 PM



#46
t-1,4-Dichloro-2-butene
Concen: 3.103 ug/l m
RT: 10.51 min Scan# 2929
Delta R.T. -0.01 min
Lab File: VU029880.D
Acq: 08 Mar 2019 11:31

Tgt Ion	Ratio	Lower	Upper
75	100		
53	82.6	59.2	88.8
89	57.8	44.9	67.3
88	41.8	32.2	48.2





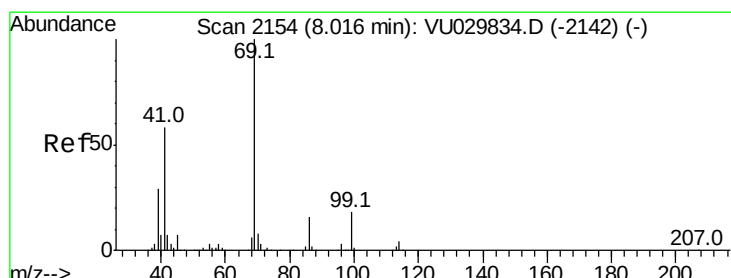
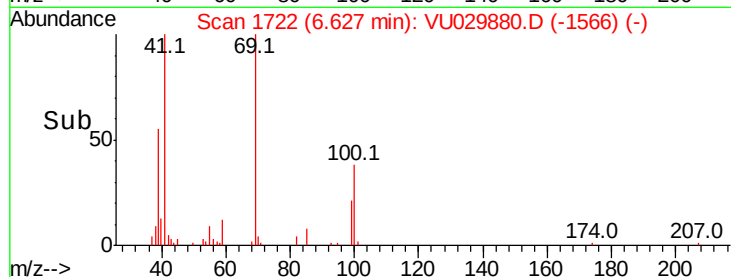
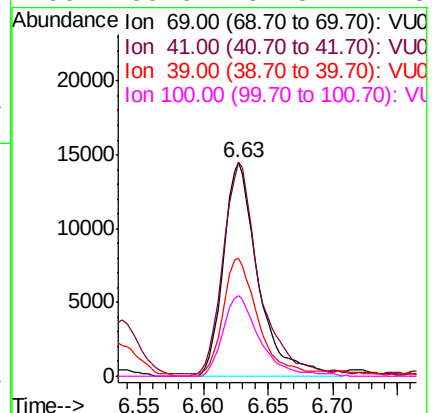
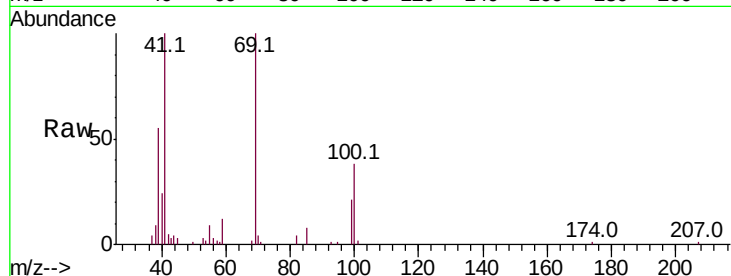
#47
Methvl methacrylate
Concen: 3.703 ug/l
RT: 6.63 min Scan# 1722
Delta R.T. 0.00 min
Lab File: VU029880.D
Acq: 08 Mar 2019 11:31

Instrument :
MSVOA_U
ClientSampleId :
VU0310WBSD01

Tot Ion	Ratio	Lower	Upper
69	100		
41	101.2	0.0	201.0
39	55.6	43.3	64.9
100	39.6	31.5	47.3

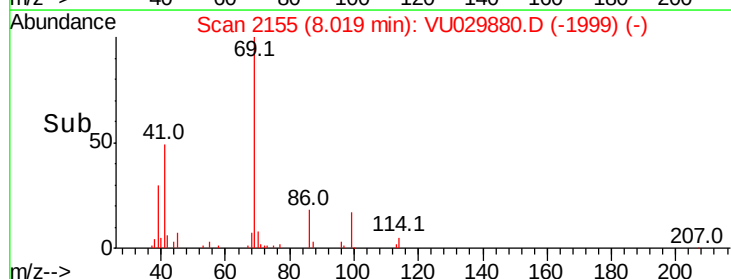
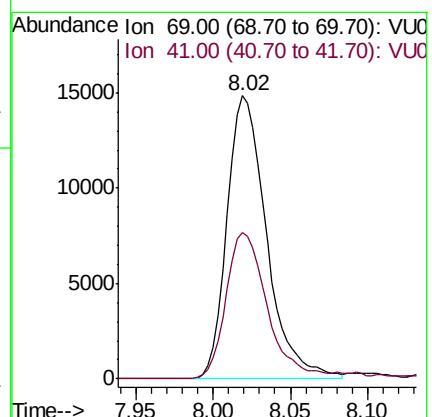
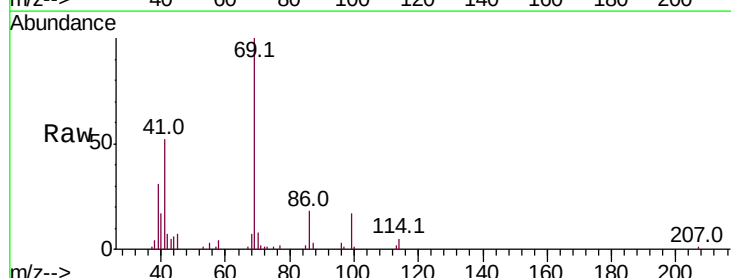
Manual Integrations
APPROVED

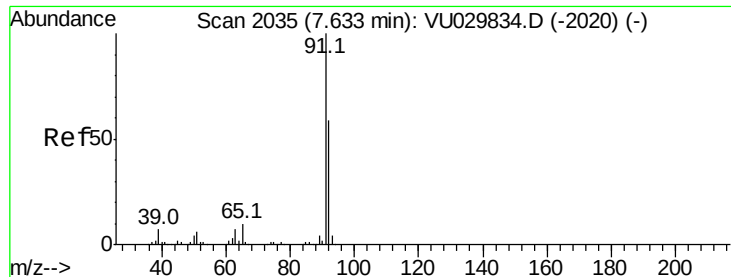
MMDadoda
3/11/2019 6:55:55 PM



#48
Ethyl methacrylate
Concen: 1.873 ug/l
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VU029880.D
Acq: 08 Mar 2019 11:31

Tgt Ion	Ratio	Lower	Upper
69	100		
41	53.8	29.0	87.1





#49

Toluene

Concen: 1.860 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU029880.D

Acq: 08 Mar 2019 11:31

Instrument :

MSVOA_U

ClientSampleId :

VU0310WBSD01

Tot Ion: 92 Resp: 74427

Ion Ratio Lower Upper

92 100

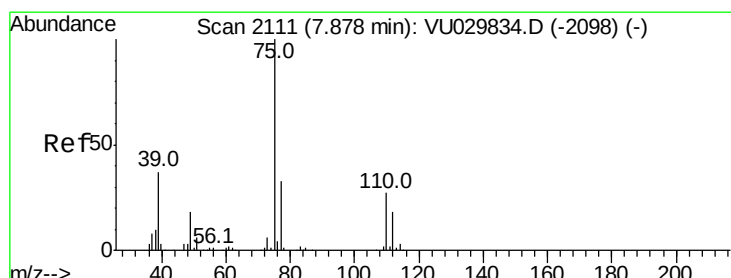
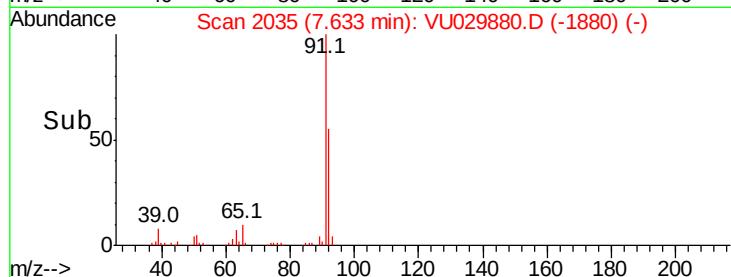
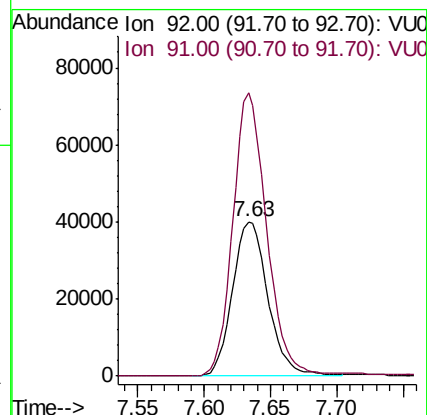
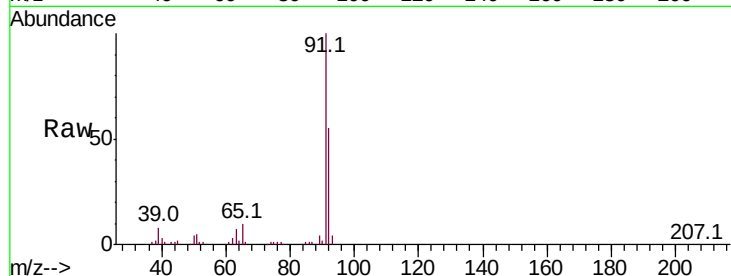
91 174.3 137.8 206.8

Manual Integrations

APPROVED

MMDadoda

3/11/2019 6:55:55 PM



#50

t-1,3-Dichloropropene

Concen: 1.797 ug/l

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VU029880.D

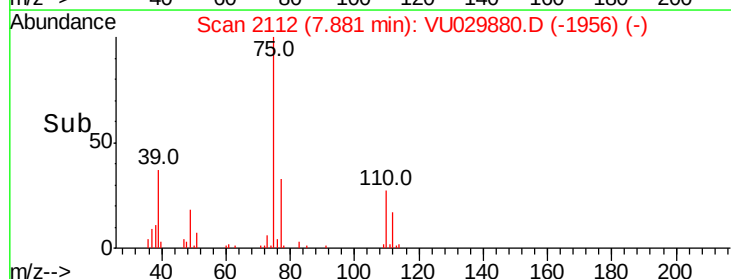
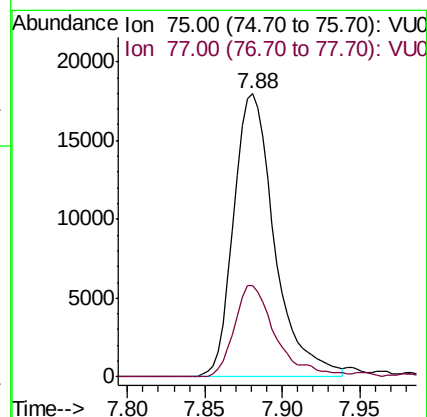
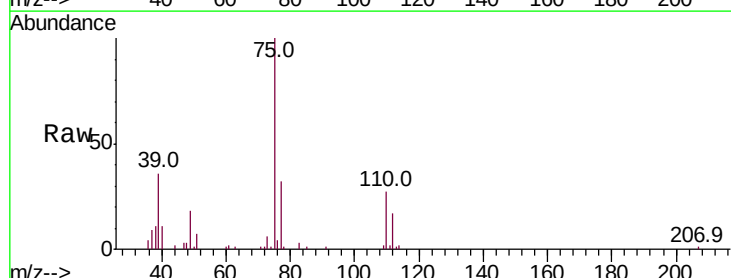
Acq: 08 Mar 2019 11:31

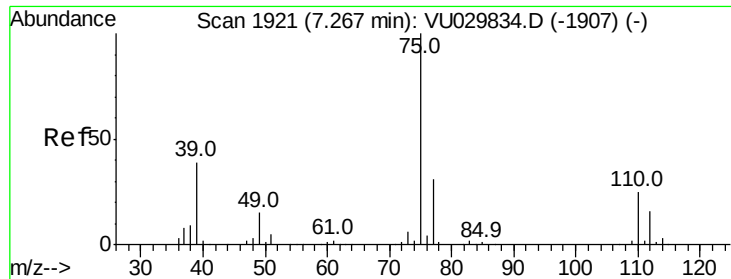
Tgt Ion: 75 Resp: 33059

Ion Ratio Lower Upper

75 100

77 32.2 26.4 39.6





#51

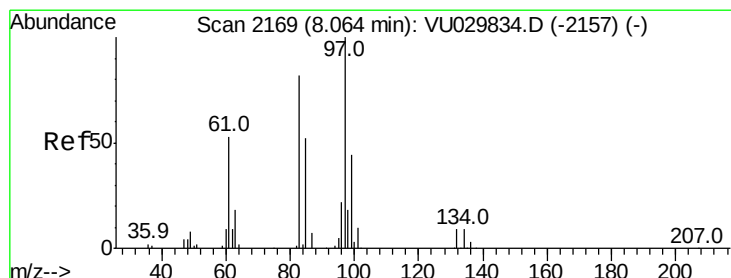
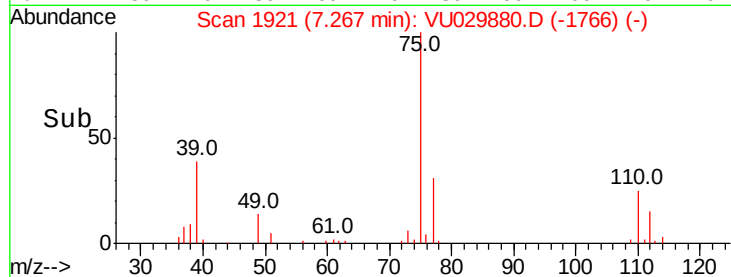
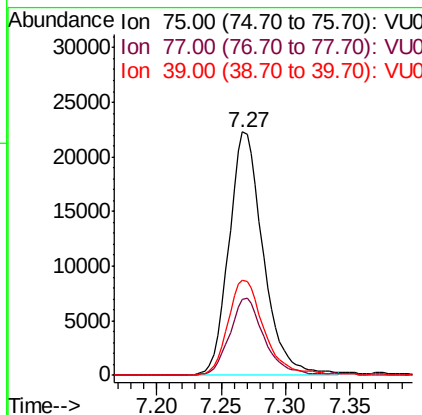
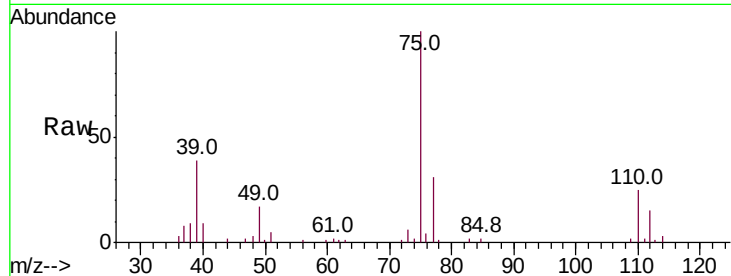
cis-1,3-Dichloropropene
Concen: 1.810 ug/l
RT: 7.27 min Scan# 1921
Delta R.T. -0.00 min
Lab File: VU029880.D
Acq: 08 Mar 2019 11:31

Instrument :
MSVOA_U
ClientSampleId :
VU0310WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	24.9	37.3
39	38.9	30.8	46.2

Manual Integrations
APPROVED

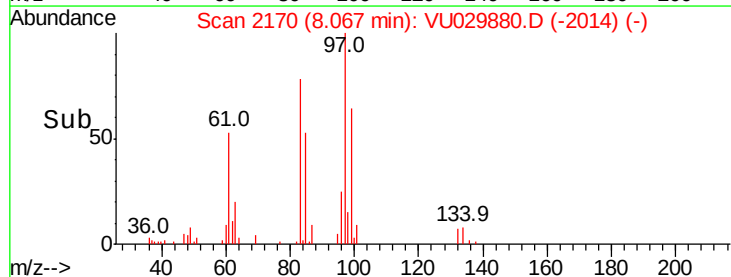
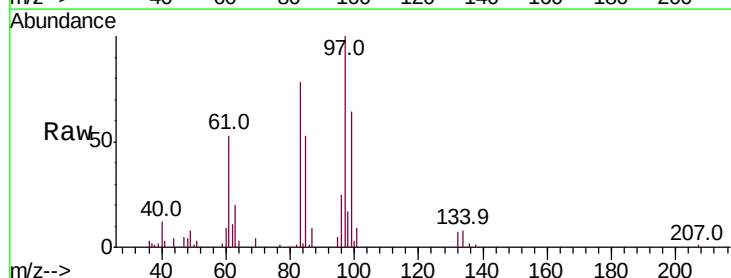
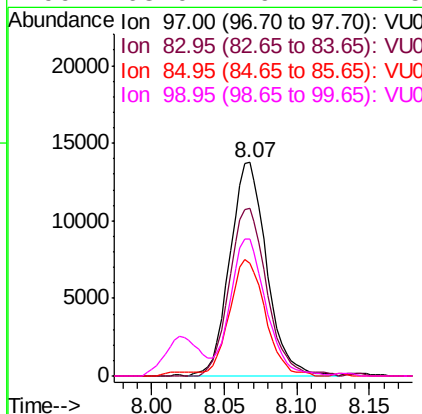
MMDadoda
3/11/2019 6:55:55 PM

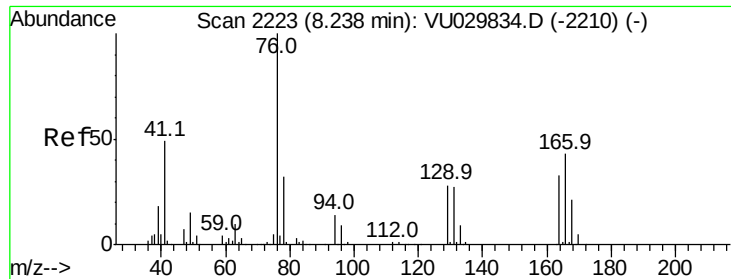


#52

1,1,2-Trichloroethane
Concen: 1.920 ug/l
RT: 8.07 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU029880.D
Acq: 08 Mar 2019 11:31

Tgt Ion	Ratio	Lower	Upper
97	100		
83	78.2	65.9	98.9
85	52.0	43.0	64.6
99	63.0	49.7	74.5





#53

1,3-Dichloropropane

Concen: 1.883 ug/l

RT: 8.24 min Scan# 2224

Delta R.T. 0.00 min

Lab File: VU029880.D

Acq: 08 Mar 2019 11:31

Instrument :

MSVOA_U

ClientSampleId :

VU0310WBSD01

Tot Ion: 76 Resp: 39078

Ion Ratio Lower Upper

76 100

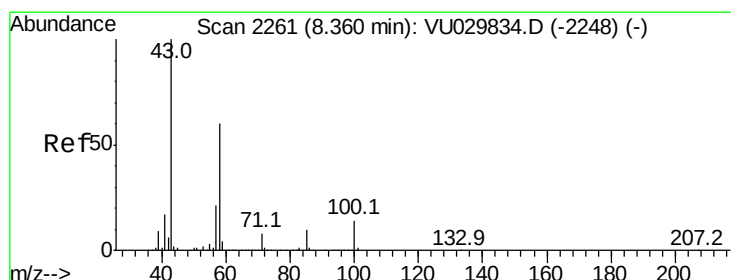
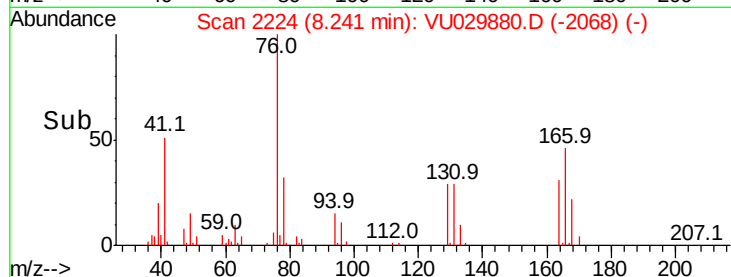
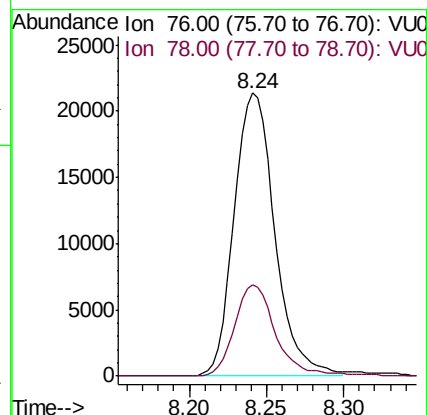
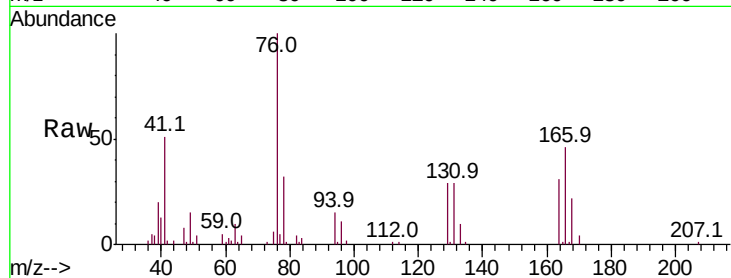
78 32.3 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

3/11/2019 6:55:55 PM



#54

2-Hexanone

Concen: 8.884 ug/l

RT: 8.37 min Scan# 2263

Delta R.T. 0.01 min

Lab File: VU029880.D

Acq: 08 Mar 2019 11:31

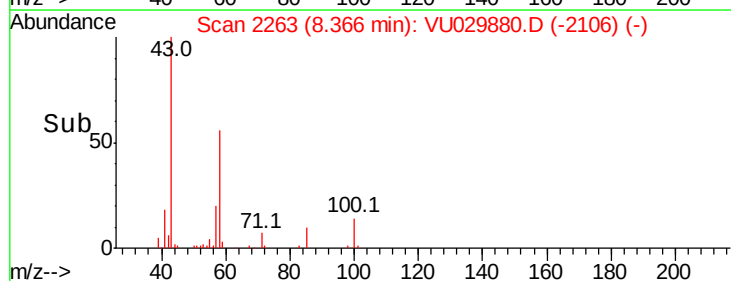
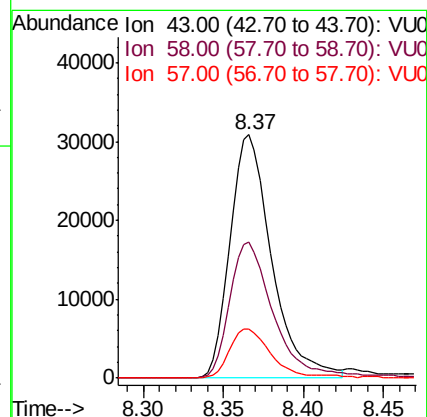
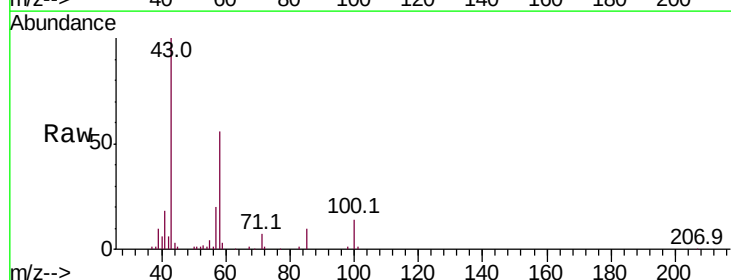
Tgt Ion: 43 Resp: 55006

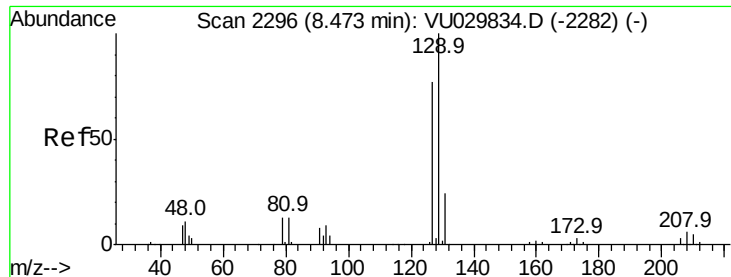
Ion Ratio Lower Upper

43 100

58 58.9 39.6 79.6

57 19.8 0.5 40.5





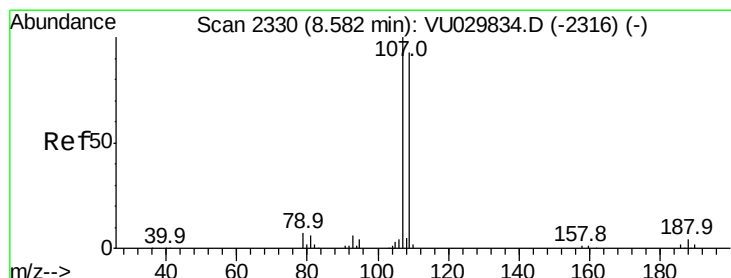
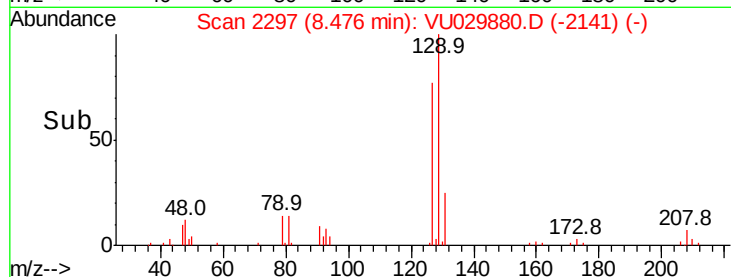
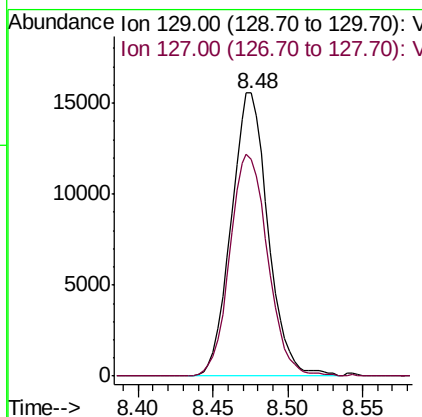
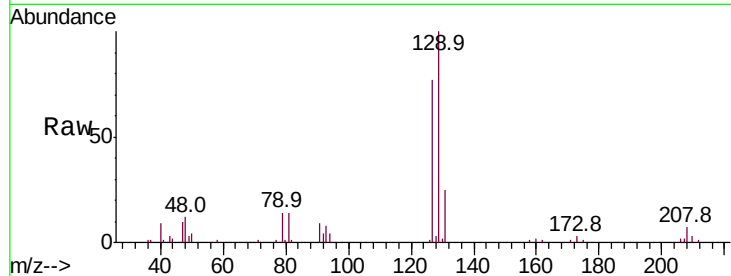
#55
Dibromochloromethane
Concen: 1.780 ug/l
RT: 8.48 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU029880.D
Acq: 08 Mar 2019 11:31

Instrument :
MSVOA_U
ClientSampleId :
VU0310WBSD01

Tot Ion	Ratio	Lower	Upper
129	100		
127	80.3	61.6	92.4

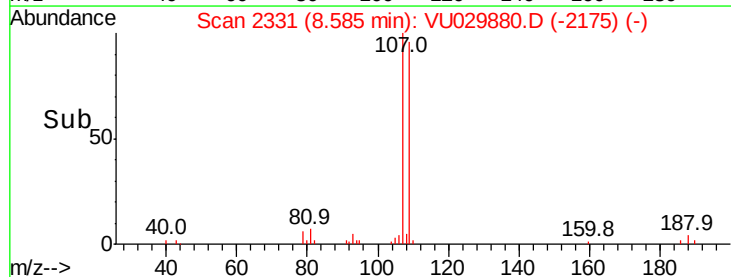
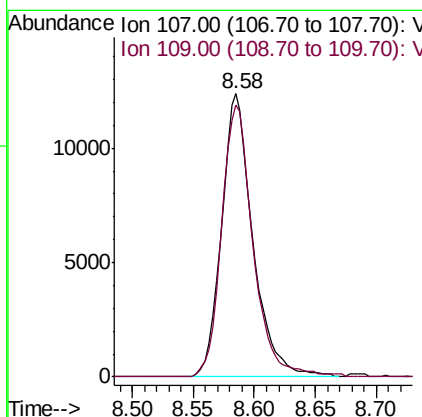
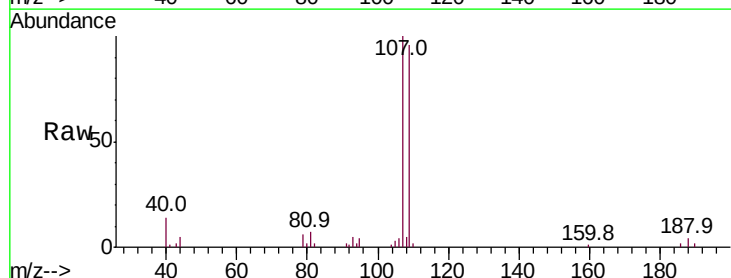
Manual Integrations
APPROVED

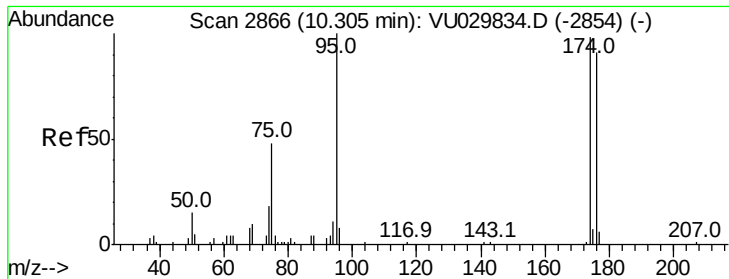
MMDadoda
3/11/2019 6:55:55 PM



#56
1,2-Dibromoethane
Concen: 1.854 ug/l
RT: 8.58 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU029880.D
Acq: 08 Mar 2019 11:31

Tgt Ion	Ratio	Lower	Upper
107	100		
109	96.7	0.0	188.4





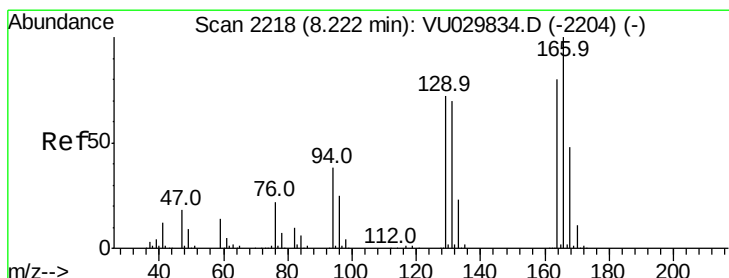
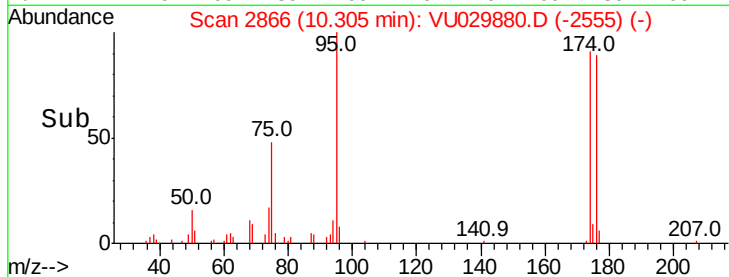
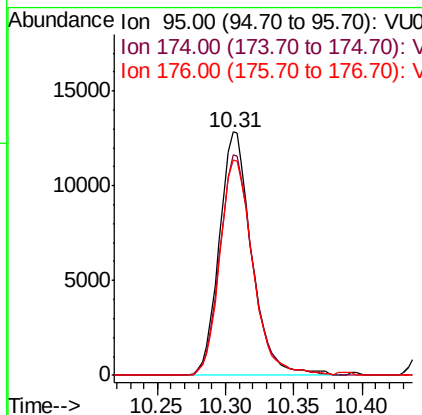
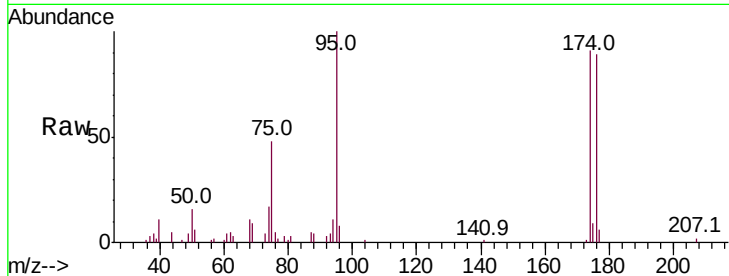
#57
4-Bromofluorobenzene
Concen: 1.854 ug/l
RT: 10.31 min Scan# 2866
Delta R.T. -0.00 min
Lab File: VU029880.D
Acq: 08 Mar 2019 11:31

Instrument :
MSVOA_U
ClientSampleId :
VU0310WBSD01

Tot Ion	Ratio	Lower	Upper
95	100		
174	92.2	76.5	114.7
176	90.2	74.2	111.2

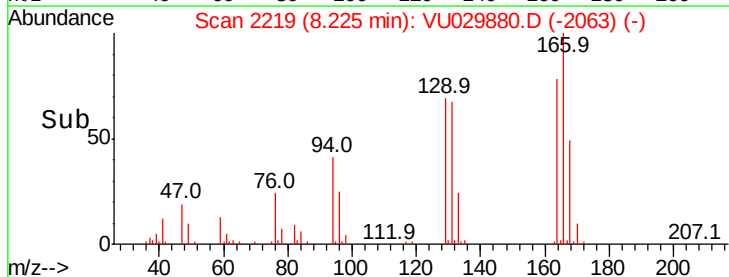
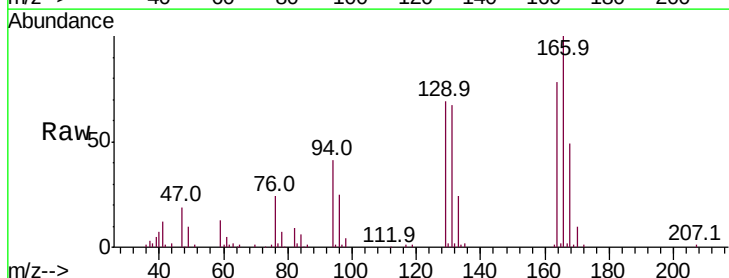
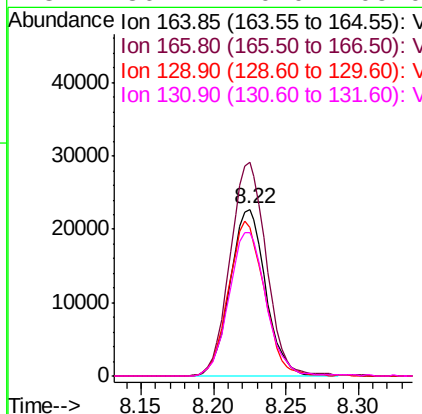
Manual Integrations
APPROVED

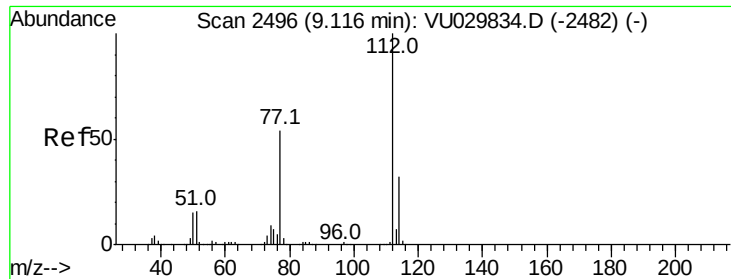
MMDadoda
3/11/2019 6:55:55 PM



#58
Tetrachloroethene
Concen: 1.994 ug/l
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU029880.D
Acq: 08 Mar 2019 11:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	100.5	150.7
129	88.9	72.3	108.5
131	86.2	70.0	105.0





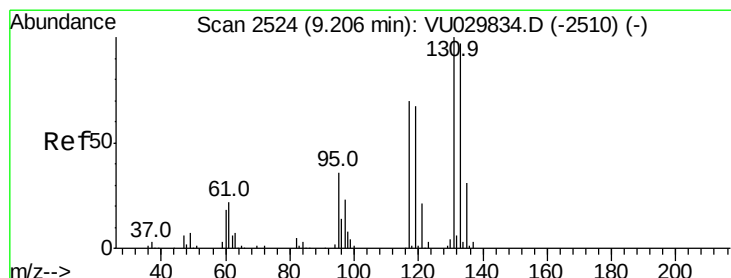
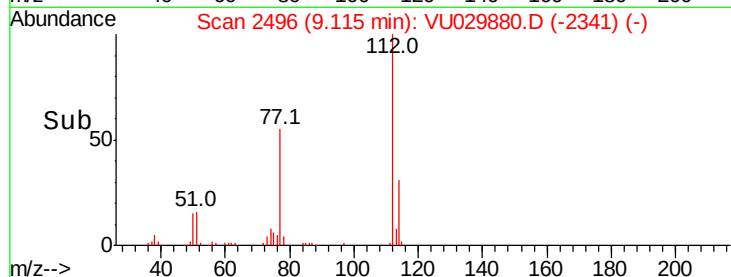
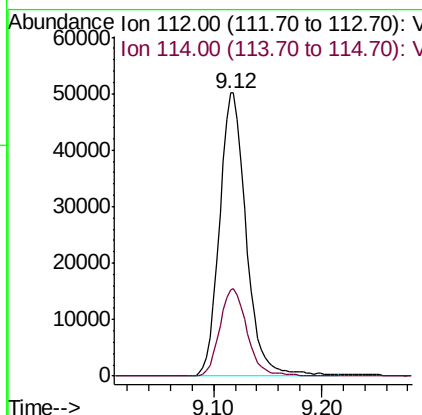
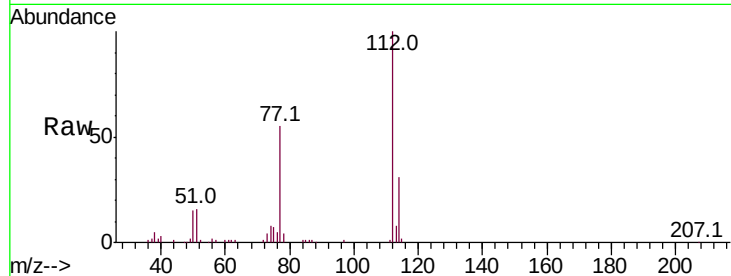
#59
Chlorobenzene
Concen: 1.880 ug/l
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU029880.D
Acq: 08 Mar 2019 11:31

Instrument :
MSVOA_U
ClientSampleId :
VU0310WBSD01

Tot Ion:112 Resp: 86477
Ion Ratio Lower Upper
112 100
114 30.6 25.4 38.2

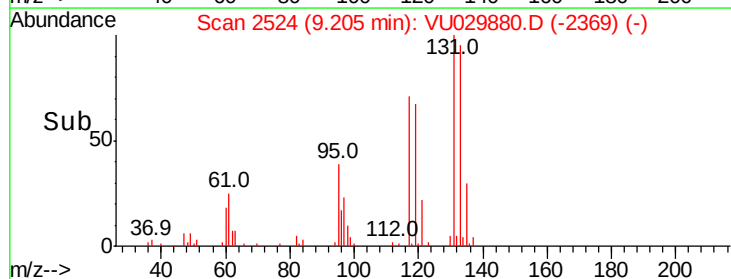
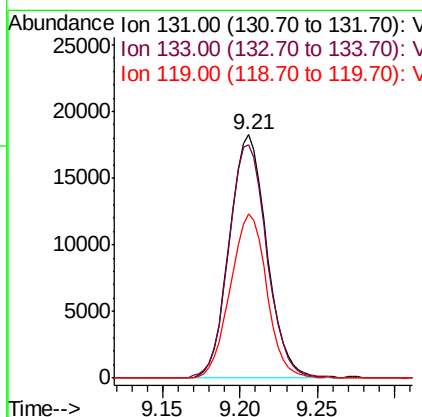
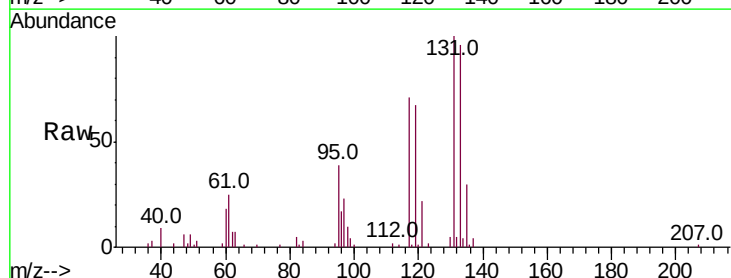
Manual Integrations
APPROVED

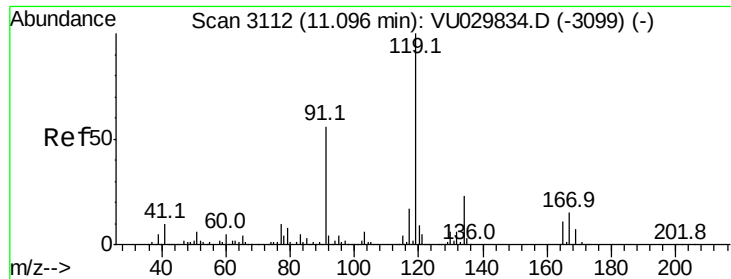
MMDadoda
3/11/2019 6:55:55 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 1.855 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. -0.00 min
Lab File: VU029880.D
Acq: 08 Mar 2019 11:31

Tgt Ion:131 Resp: 30601
Ion Ratio Lower Upper
131 100
133 97.8 76.4 114.6
119 65.5 54.2 81.4





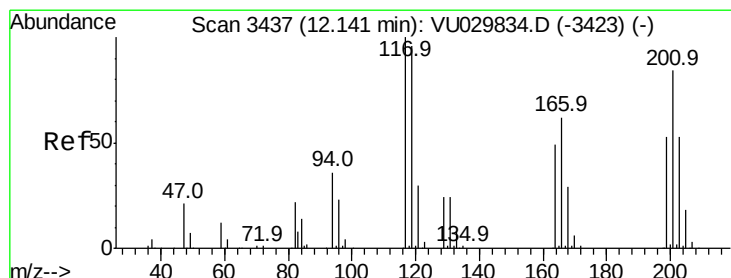
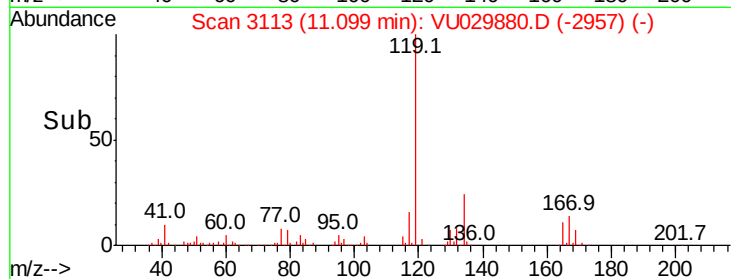
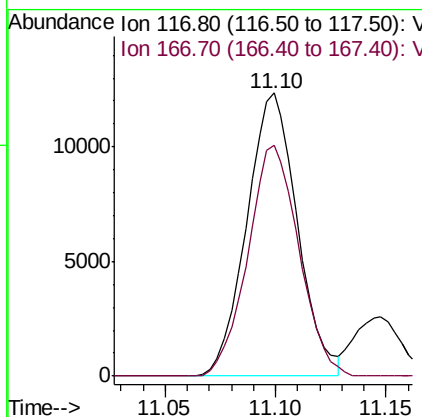
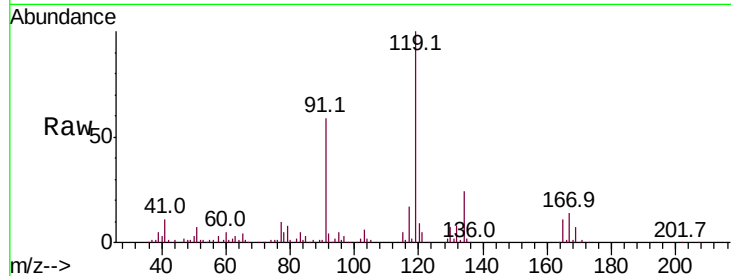
#61
 Pentachloroethane
 Concen: 1.706 ug/l
 RT: 11.10 min Scan# 3113
 Delta R.T. 0.00 min
 Lab File: VU029880.D
 Acq: 08 Mar 2019 11:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0310WBSD01

Tot Ion:117 Resp: 19594
 Ion Ratio Lower Upper
 117 100
 167 82.3 71.4 107.2

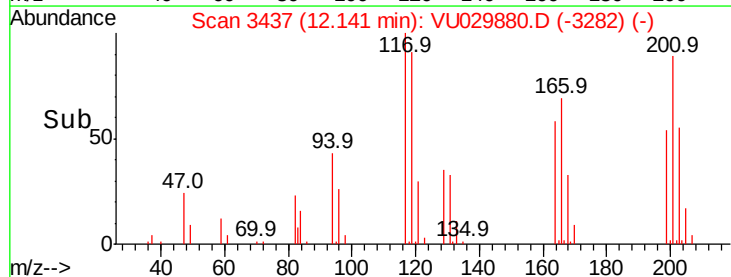
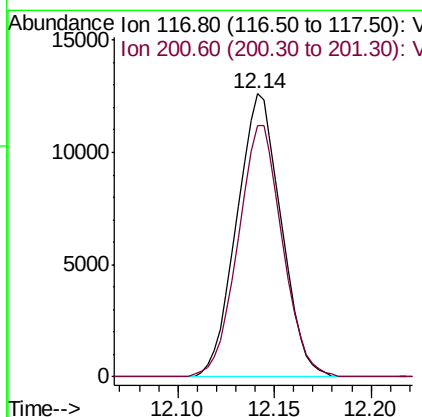
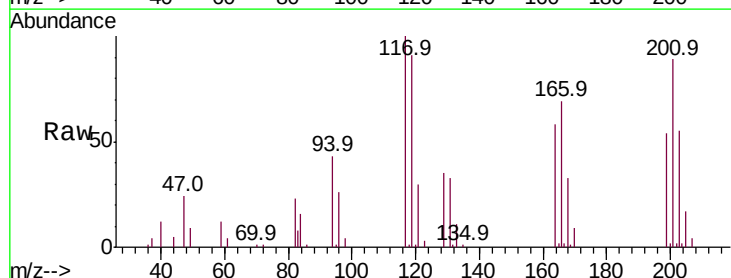
Manual Integrations
 APPROVED

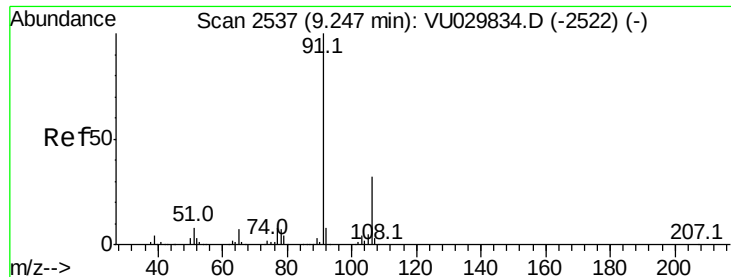
MMDadoda
 3/11/2019 6:55:55 PM



#62
 Hexachloroethane
 Concen: 1.667 ug/l
 RT: 12.14 min Scan# 3437
 Delta R.T. -0.00 min
 Lab File: VU029880.D
 Acq: 08 Mar 2019 11:31

Tgt Ion:117 Resp: 20143
 Ion Ratio Lower Upper
 117 100
 201 88.8 68.2 102.2





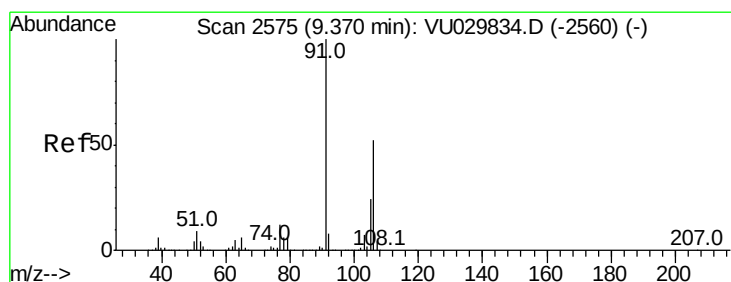
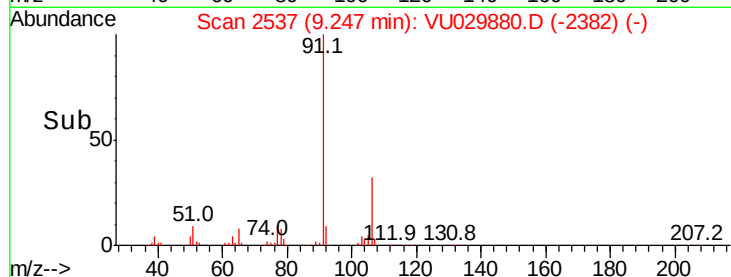
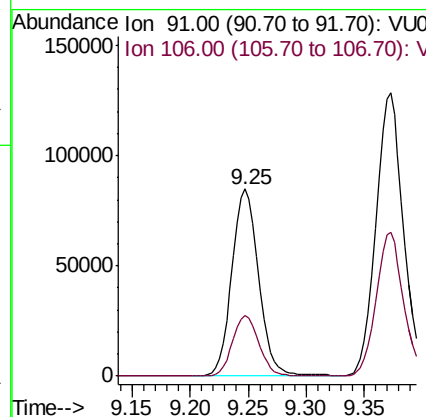
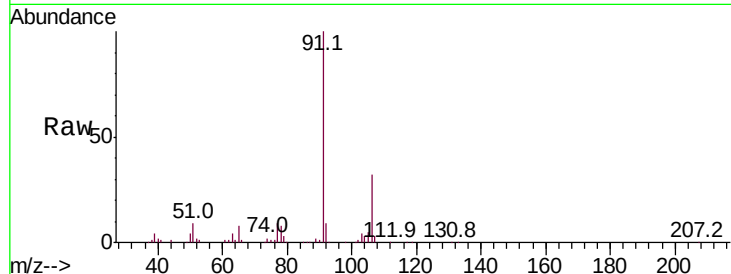
#63
Ethyl Benzene
Concen: 1.811 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. -0.00 min
Lab File: VU029880.D
Acq: 08 Mar 2019 11:31

Instrument :
MSVOA_U
ClientSampleId :
VU0310WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.2	25.7	38.5

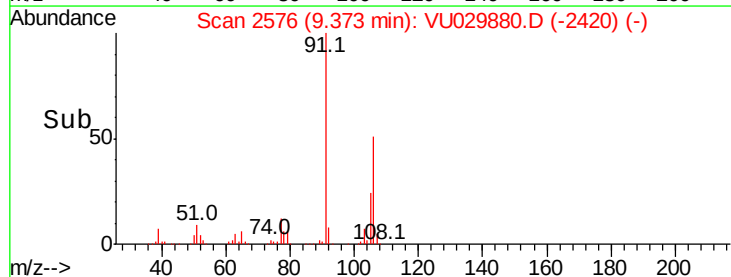
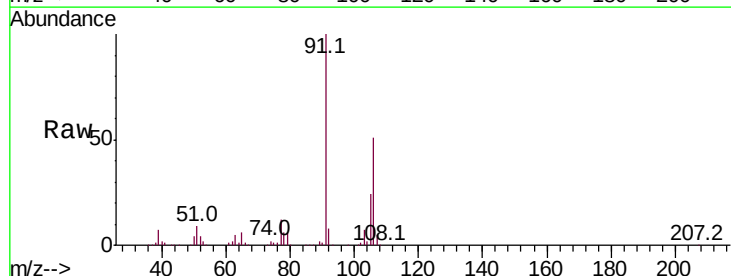
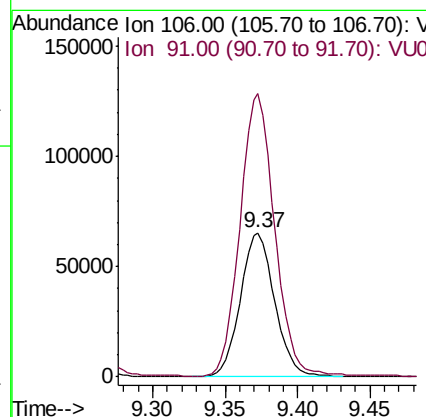
Manual Integrations
APPROVED

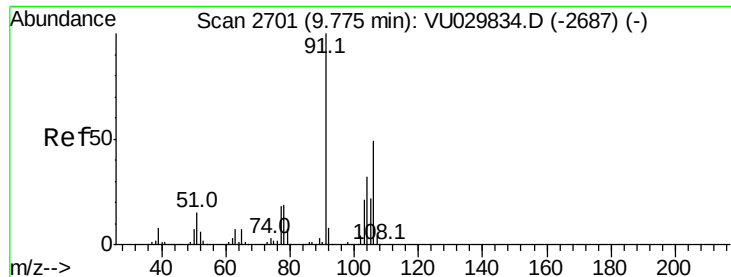
MMDadoda
3/11/2019 6:55:55 PM



#64
m/p-Xylenes
Concen: 3.598 ug/l
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU029880.D
Acq: 08 Mar 2019 11:31

Tgt Ion	Ratio	Lower	Upper
106	100		
91	200.0	155.3	232.9





#65

o-Xylene

Concen: 1.862 ug/l

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU029880.D

Acq: 08 Mar 2019 11:31

Instrument :

MSVOA_U

ClientSampleId :

VU0310WBSD01

Tot Ion:106 Resp: 53248

Ion Ratio Lower Upper

106 100

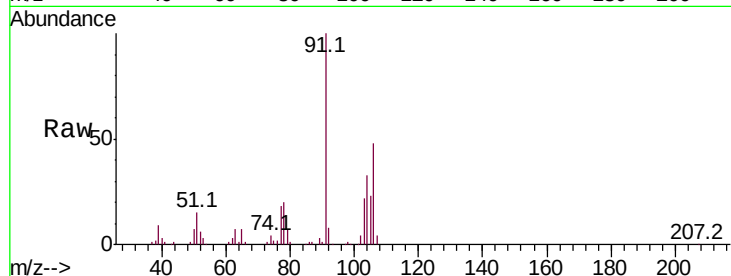
91 206.1 102.8 308.3

Manual Integrations

APPROVED

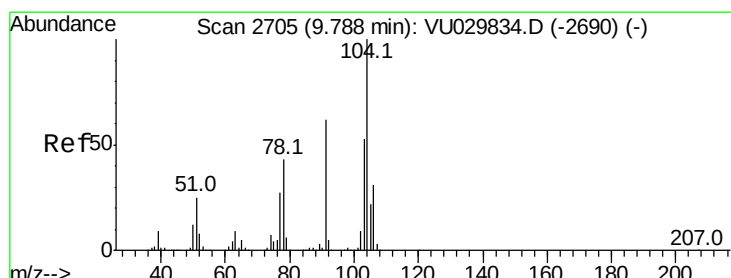
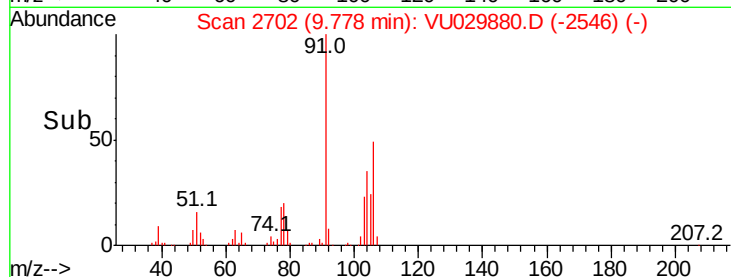
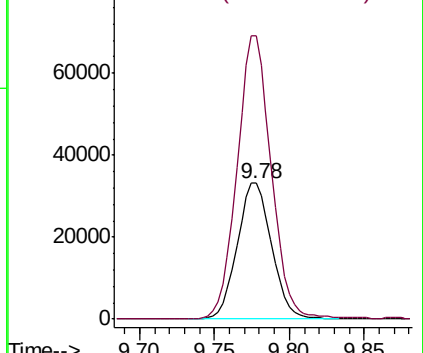
MMDadoda

3/11/2019 6:55:55 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 1.807 ug/l

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU029880.D

Acq: 08 Mar 2019 11:31

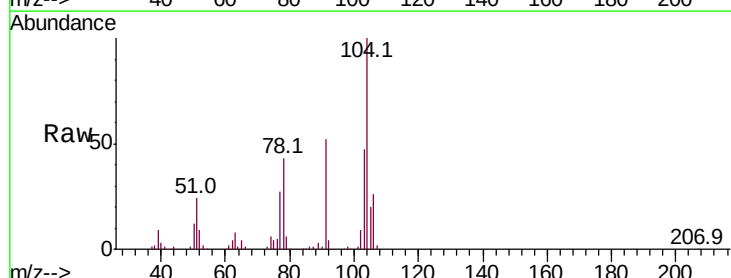
Tgt Ion:104 Resp: 85882

Ion Ratio Lower Upper

104 100

78 47.3 37.2 55.8

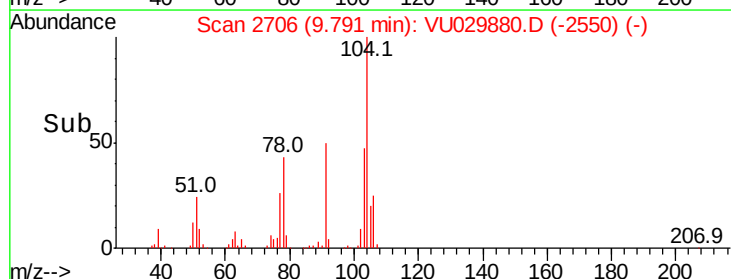
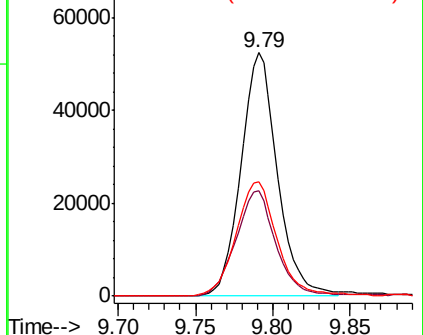
103 53.2 44.7 67.1

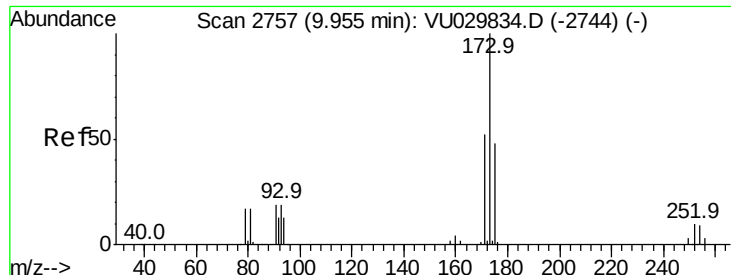


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 1.870 ug/l

RT: 9.95 min Scan# 2757

Delta R.T. -0.00 min

Lab File: VU029880.D

Acq: 08 Mar 2019 11:31

Instrument :

MSVOA_U

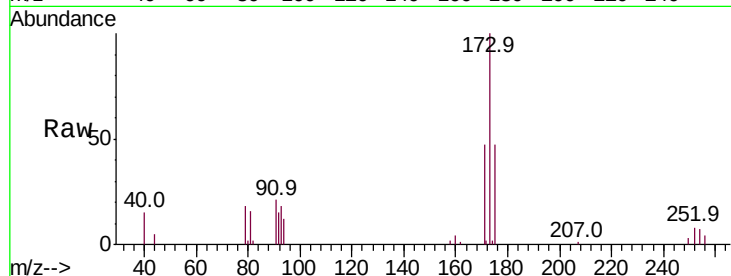
ClientSampled :

VU0310WBSD01

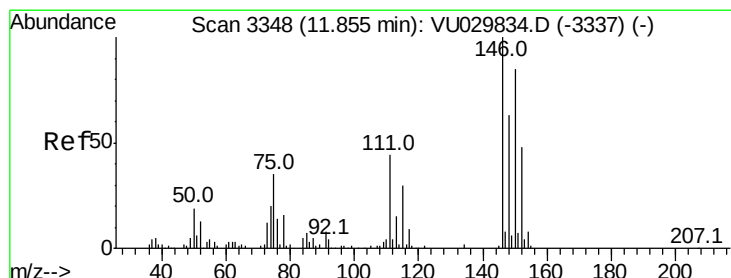
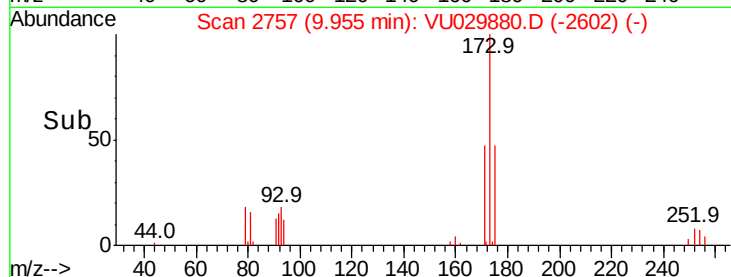
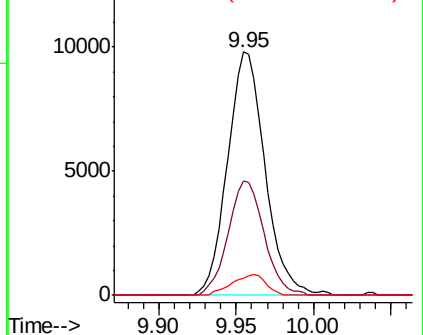
Tot Ion:	173	Resp:	16490
Ion Ratio	Lower	Upper	
173	100		
175	45.0	38.6	57.8
254	7.7	7.4	11.2

Manual Integrations
APPROVED

MMDadoda
3/11/2019 6:55:55 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: 1.870 ug/l

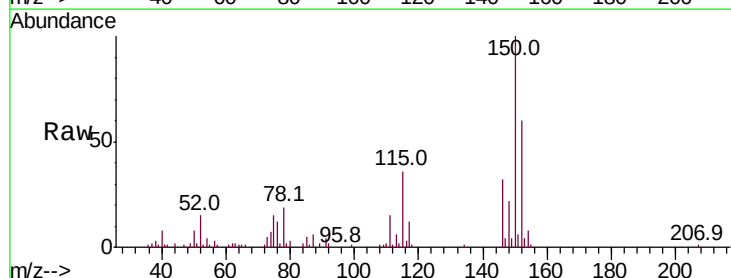
RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

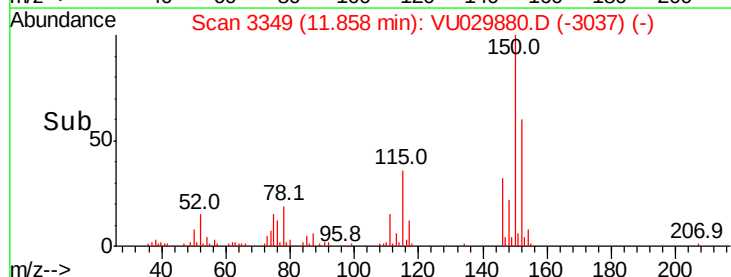
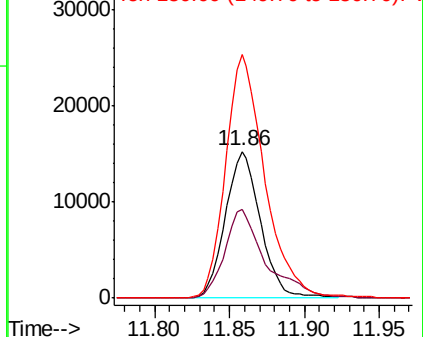
Lab File: VU029880.D

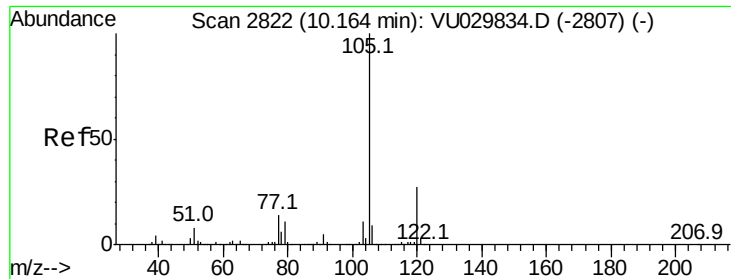
Acq: 08 Mar 2019 11:31

Tgt Ion:	152	Resp:	24943
Ion Ratio	Lower	Upper	
152	100		
115	70.2	0.0	124.0
150	184.7	0.0	631.2



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: 1.843 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU029880.D

Acq: 08 Mar 2019 11:31

Instrument :

MSVOA_U

ClientSampleId :

VU0310WBSD01

Tot Ion: 105 Resp: 139753

Ion Ratio Lower Upper

105 100

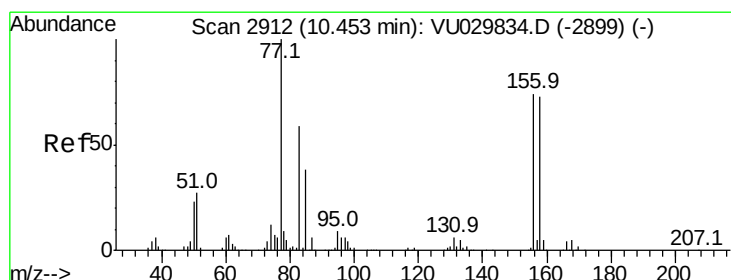
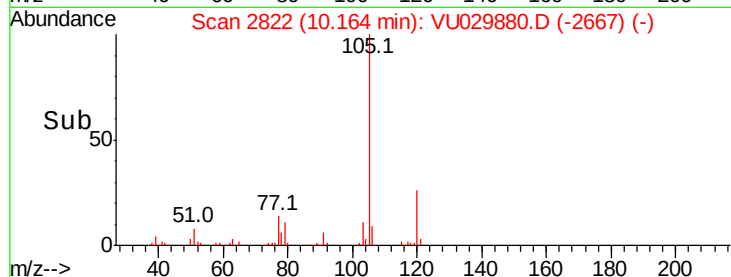
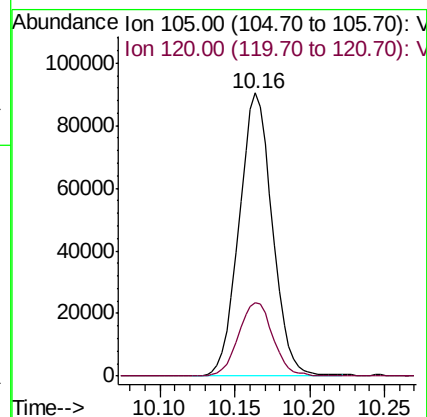
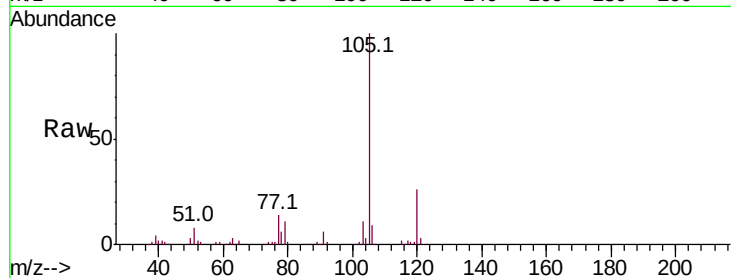
120 27.0 13.5 40.5

Manual Integrations

APPROVED

MMDadoda

3/11/2019 6:55:55 PM



#70

1,1,2,2-Tetrachloroethane

Concen: 1.883 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU029880.D

Acq: 08 Mar 2019 11:31

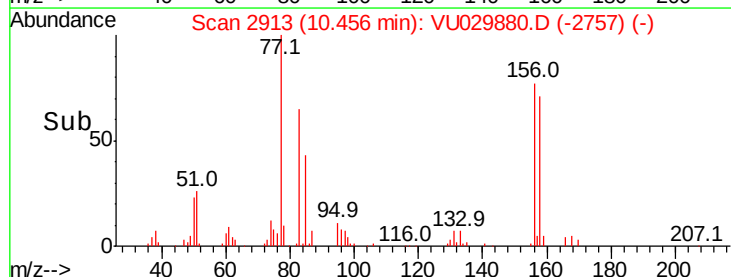
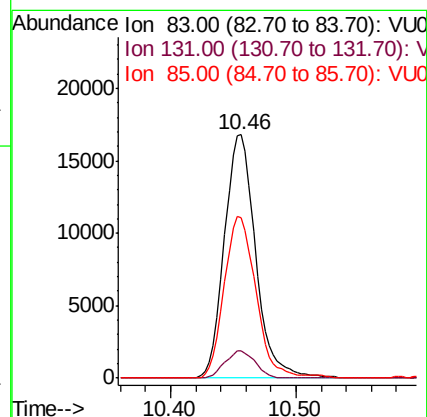
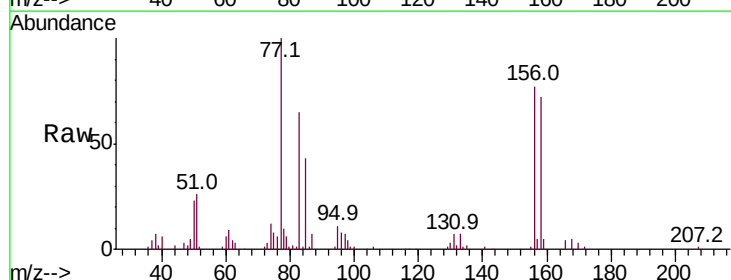
Tgt Ion: 83 Resp: 29055

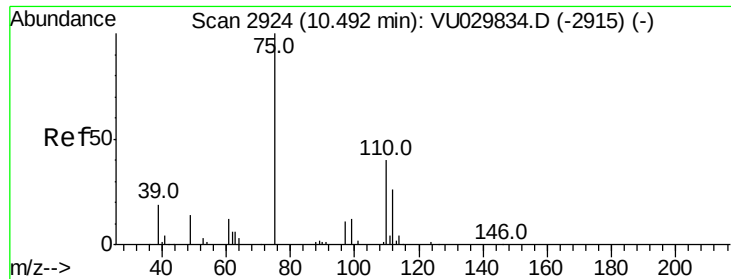
Ion Ratio Lower Upper

83 100

131 10.8 8.3 12.5

85 66.8 52.5 78.7





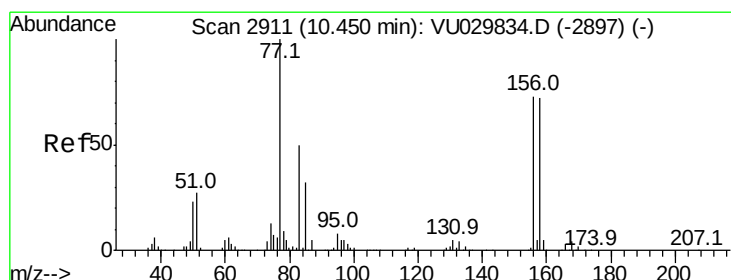
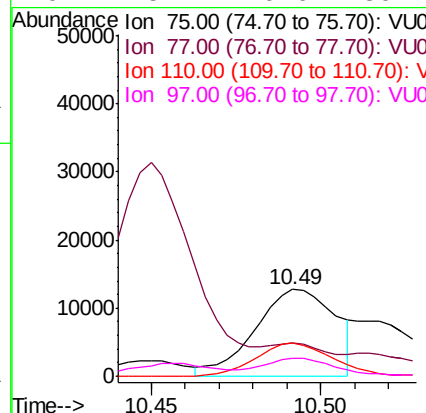
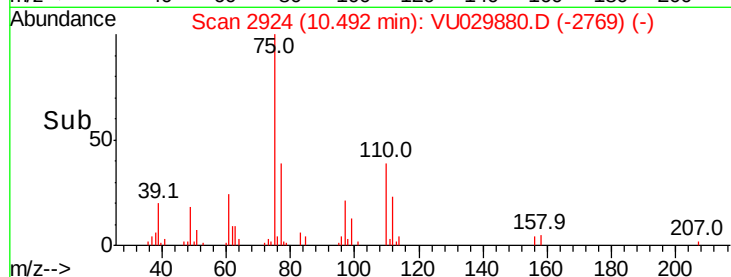
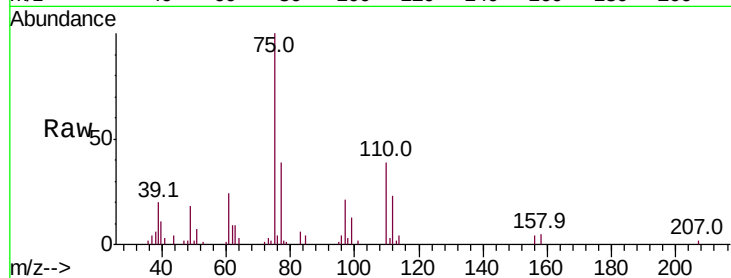
#71
 1,2,3-Trichloropropane
 Concen: 1.846 ug/l m
 RT: 10.49 min Scan# 2924
 Delta R.T. -0.00 min
 Lab File: VU029880.D
 Acq: 08 Mar 2019 11:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0310WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	16.4
110	36.7	0.0	74.8
97	18.7	0.0	39.4

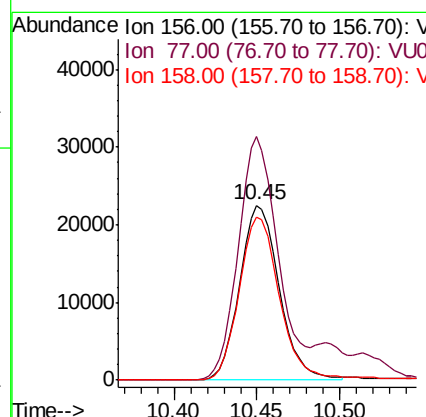
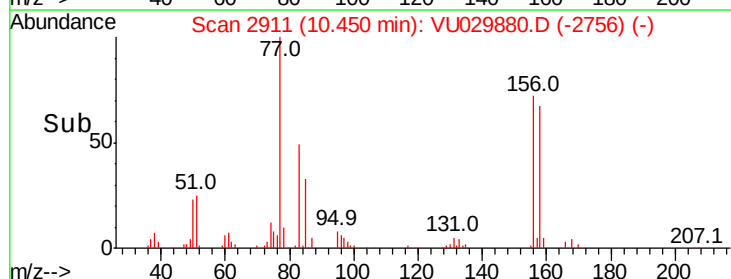
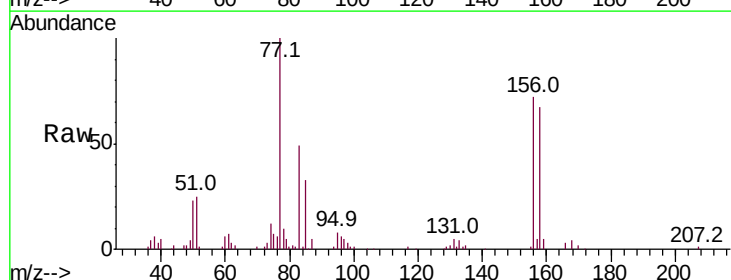
Manual Integrations
 APPROVED

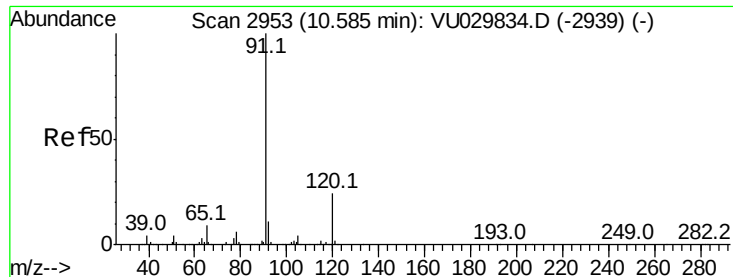
MMDadoda
 3/11/2019 6:55:55 PM



#72
 Bromobenzene
 Concen: 1.866 ug/l
 RT: 10.45 min Scan# 2911
 Delta R.T. -0.00 min
 Lab File: VU029880.D
 Acq: 08 Mar 2019 11:31

Tgt Ion	Ratio	Lower	Upper
156	100		
77	140.4	0.0	282.2
158	94.8	0.0	196.2





#73

n-propylbenzene

Concen: 1.813 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. -0.00 min

Lab File: VU029880.D

Acq: 08 Mar 2019 11:31

Instrument :

MSVOA_U

ClientSampleId :

VU0310WBSD01

Tot Ion:120 Resp: 38663

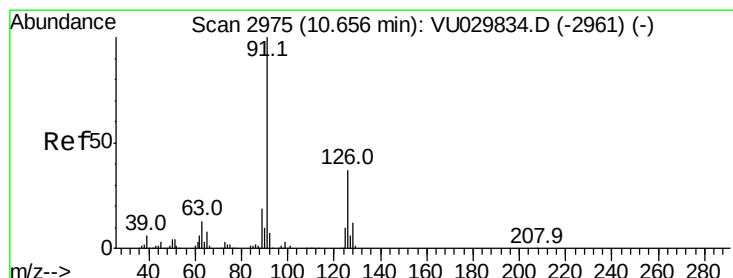
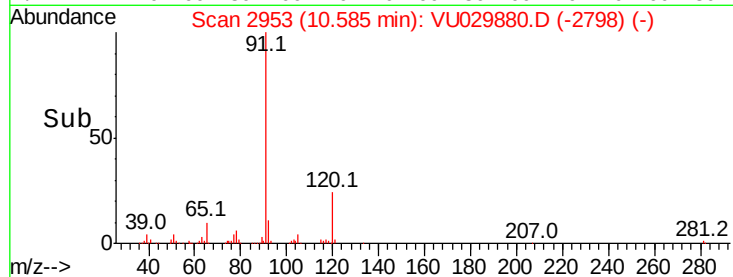
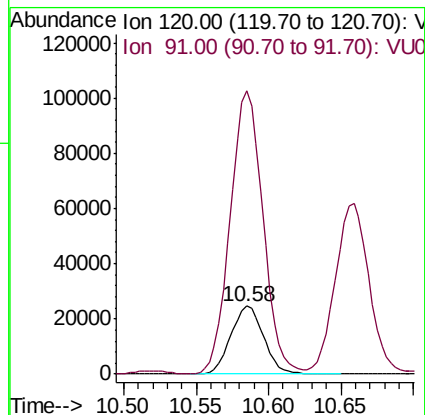
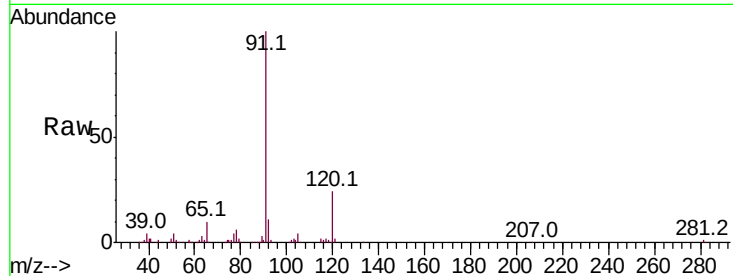
Ion Ratio Lower Upper

120 100

91 414.1 333.4 500.2

Manual Integrations
APPROVED

MMDadoda
3/11/2019 6:55:55 PM



#74

2-Chlorotoluene

Concen: 1.881 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU029880.D

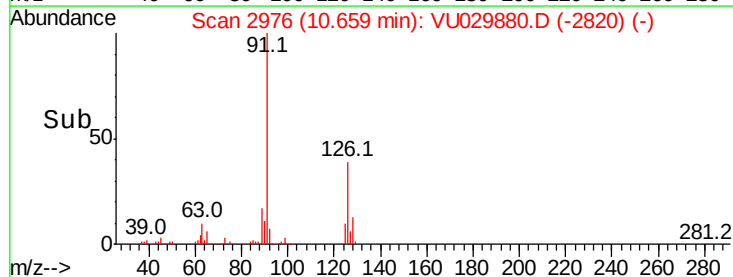
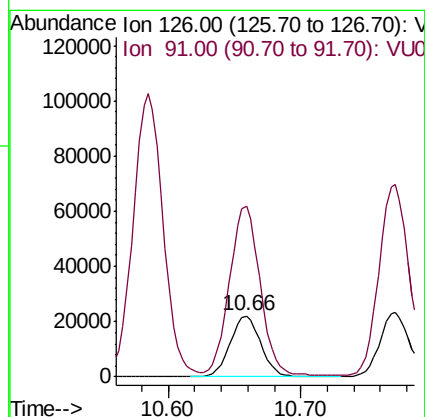
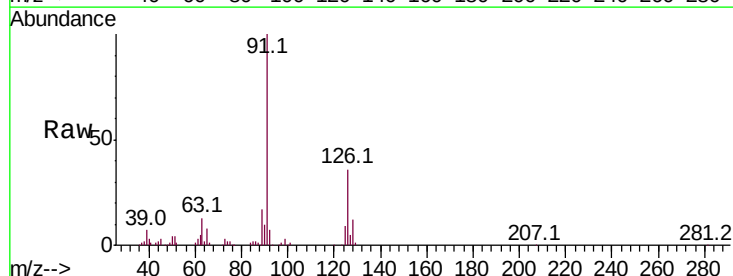
Acq: 08 Mar 2019 11:31

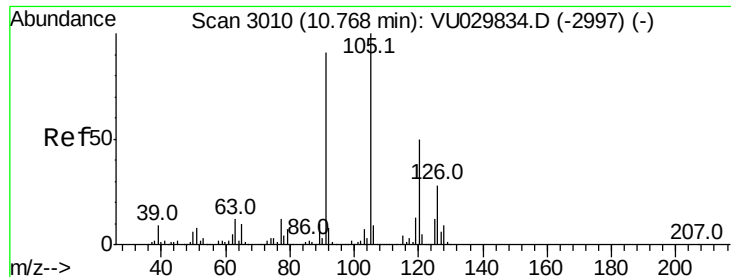
Tgt Ion:126 Resp: 35574

Ion Ratio Lower Upper

126 100

91 282.8 0.0 569.0





#75

1,3,5-Trimethylbenzene

Concen: 1.872 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU029880.D

Acq: 08 Mar 2019 11:31

Instrument :

MSVOA_U

ClientSampleId :

VU0310WBSD01

Tot Ion:105 Resp: 119609

Ion Ratio Lower Upper

105 100

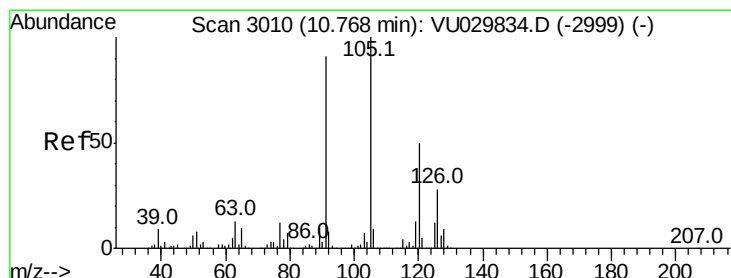
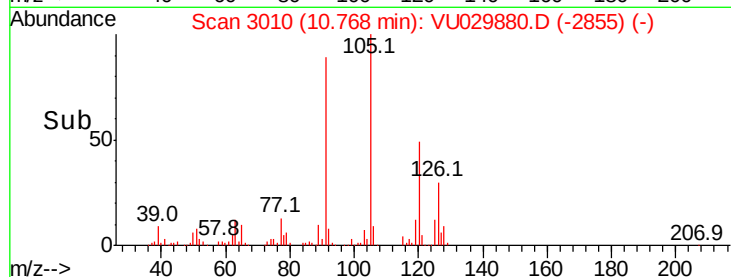
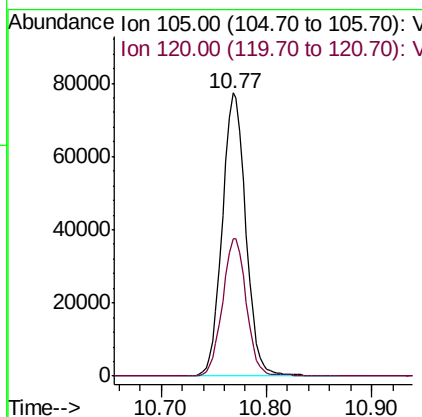
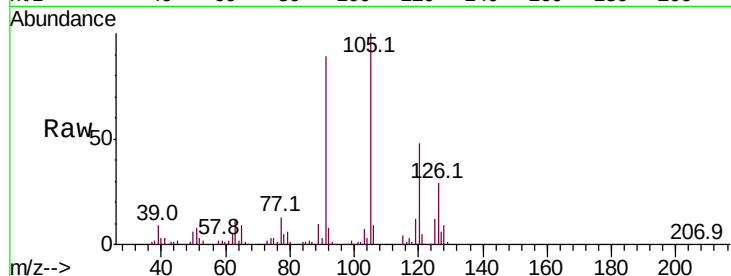
120 49.2 40.0 60.0

Manual Integrations

APPROVED

MMDadoda

3/11/2019 6:55:55 PM



#76

4-Chlorotoluene

Concen: 1.953 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU029880.D

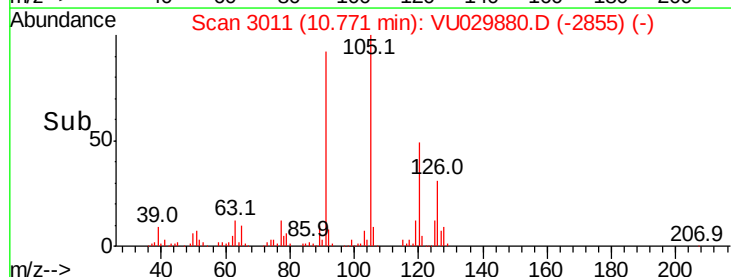
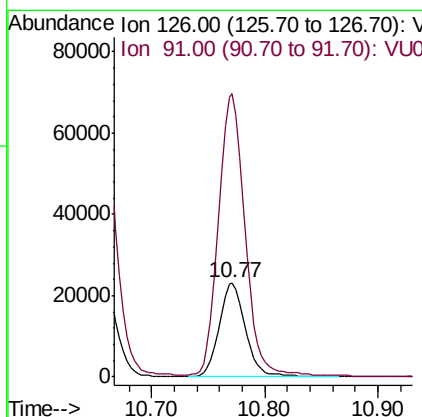
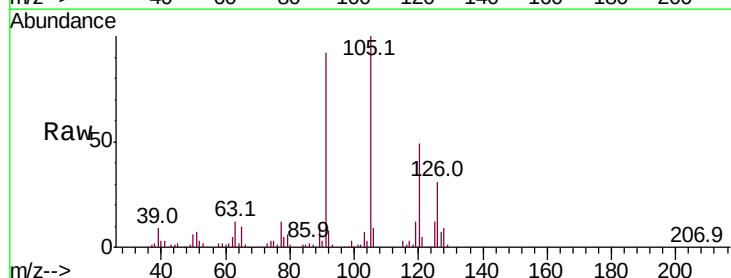
Acq: 08 Mar 2019 11:31

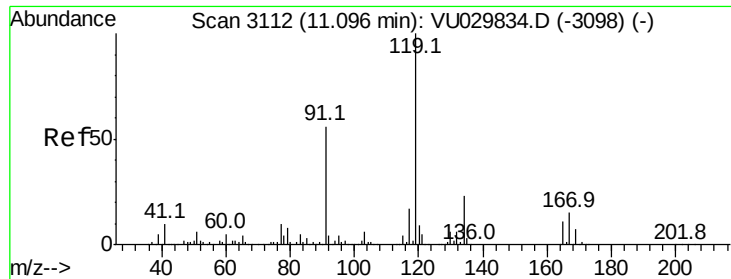
Tgt Ion:126 Resp: 37675

Ion Ratio Lower Upper

126 100

91 303.9 0.0 634.8





#77

tert-Butylbenzene

Concen: 1.797 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. -0.00 min

Lab File: VU029880.D

Acq: 08 Mar 2019 11:31

Instrument :

MSVOA_U

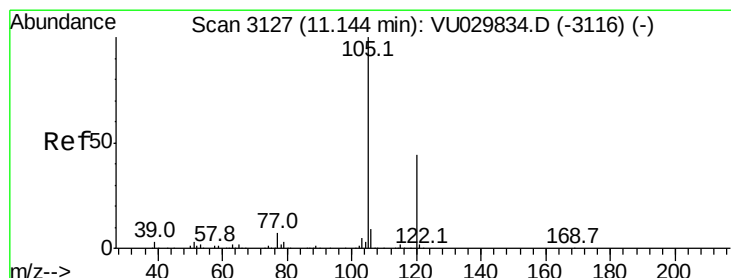
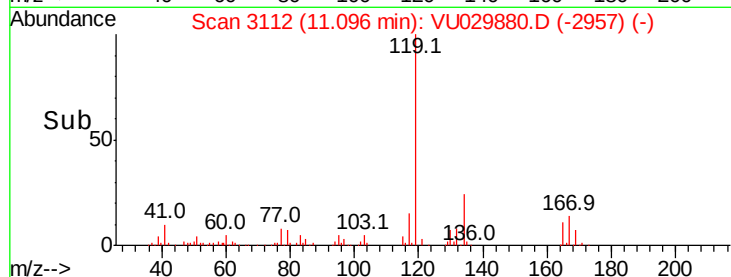
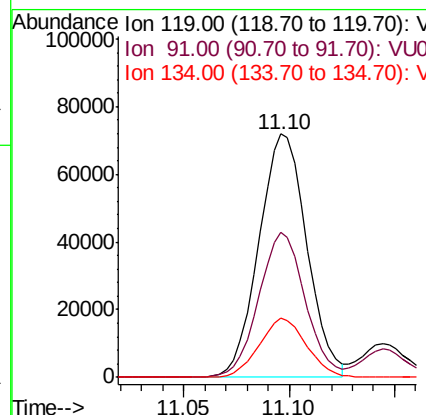
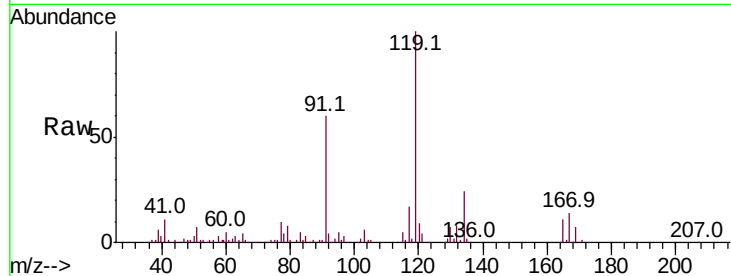
ClientSampleId :

VU0310WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	113613		
91	57.8	27.7	83.1	
134	24.1	18.7	28.1	

Manual Integrations
APPROVED

MMDadoda
3/11/2019 6:55:55 PM



#78

1,2,4-Trimethylbenzene

Concen: 1.835 ug/l

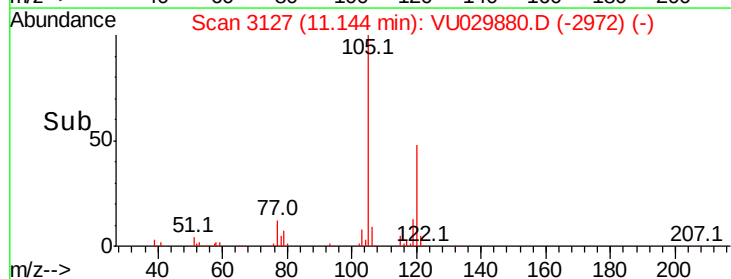
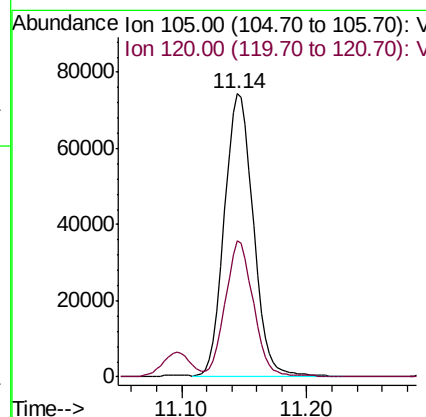
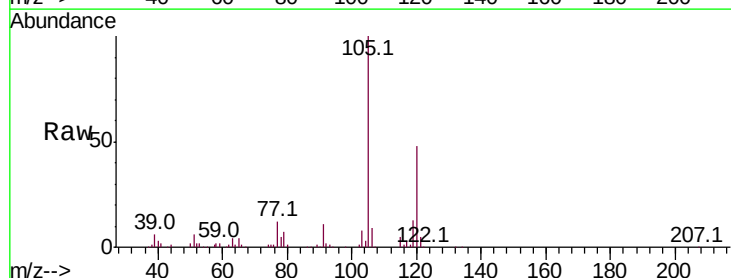
RT: 11.14 min Scan# 3127

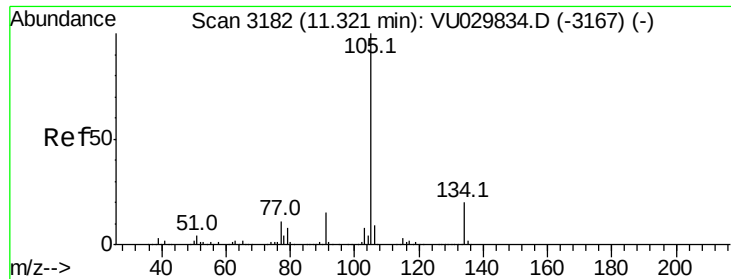
Delta R.T. -0.00 min

Lab File: VU029880.D

Acq: 08 Mar 2019 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	118457		
120	47.2	23.5	70.5	





#79

sec-Butylbenzene

Concen: 1.909 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VU029880.D

Acq: 08 Mar 2019 11:31

Instrument :

MSVOA_U

ClientSampleId :

VU0310WBSD01

Tot Ion:105 Resp: 159939

Ion Ratio Lower Upper

105 100

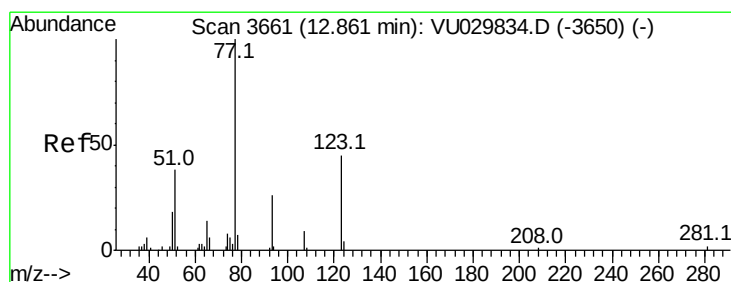
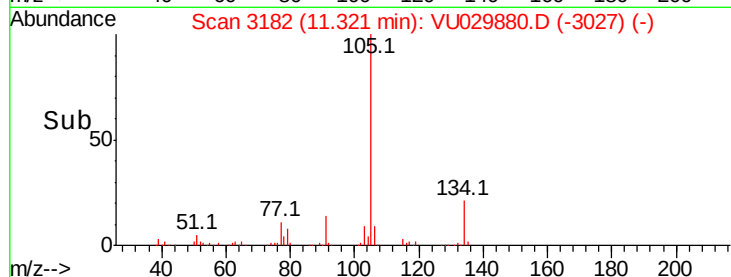
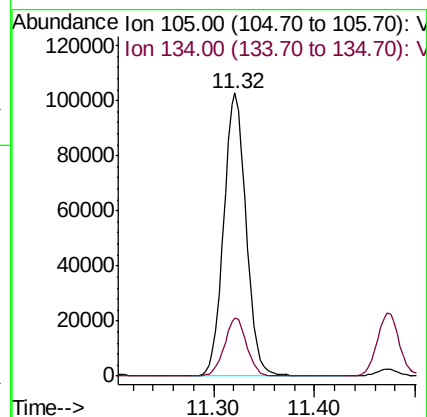
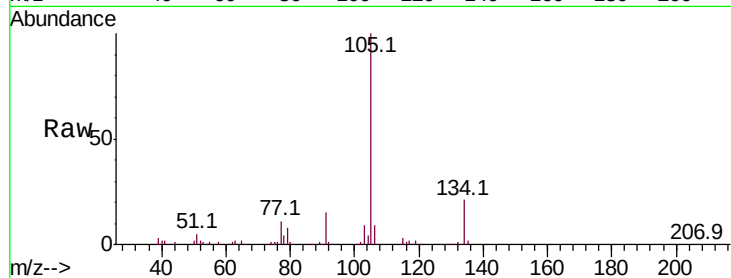
134 20.3 16.3 24.5

Manual Integrations

APPROVED

MMDadoda

3/11/2019 6:55:55 PM



#80

Nitrobenzene

Concen: 6.019 ug/l m

RT: 12.88 min Scan# 3667

Delta R.T. 0.02 min

Lab File: VU029880.D

Acq: 08 Mar 2019 11:31

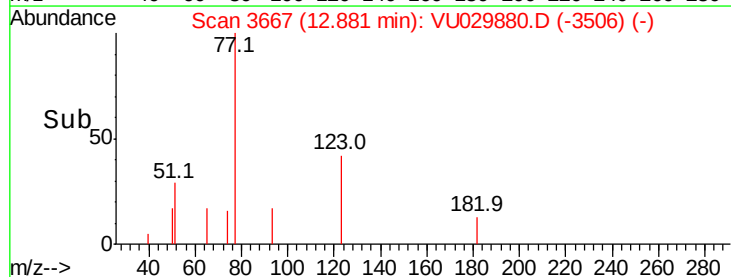
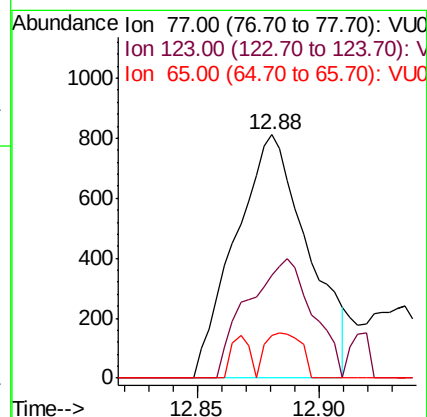
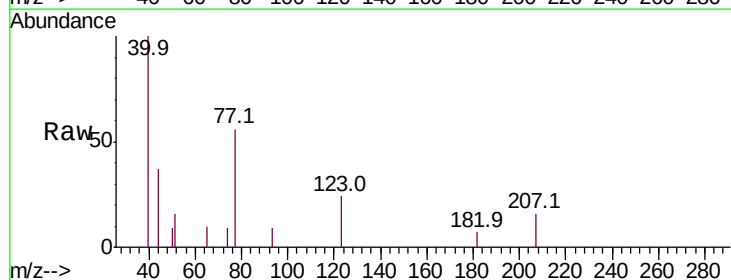
Tgt Ion: 77 Resp: 1686

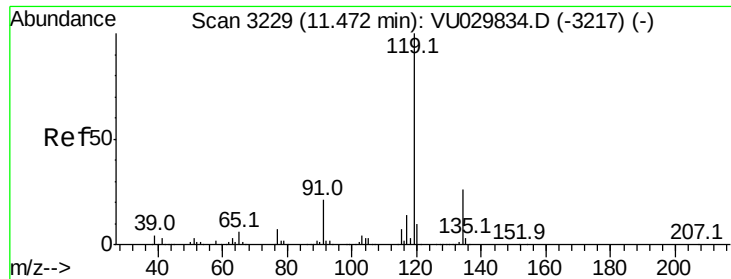
Ion Ratio Lower Upper

77 100

123 43.8 20.2 71.4

65 9.1 14.0 17.8#





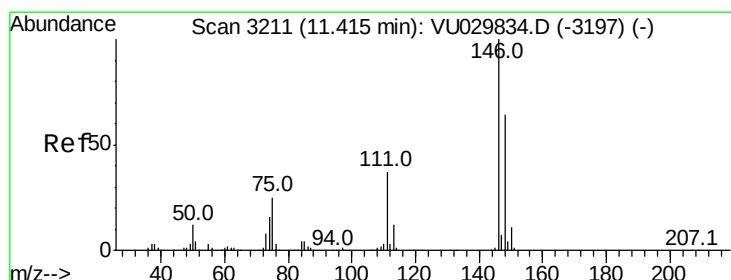
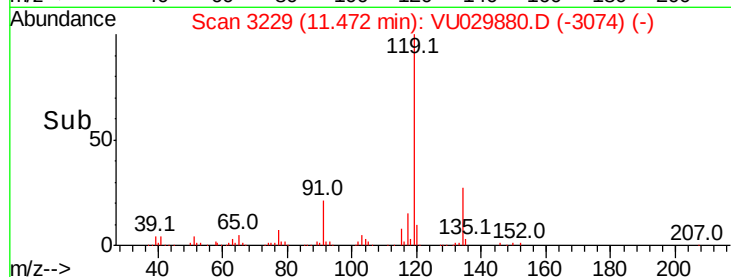
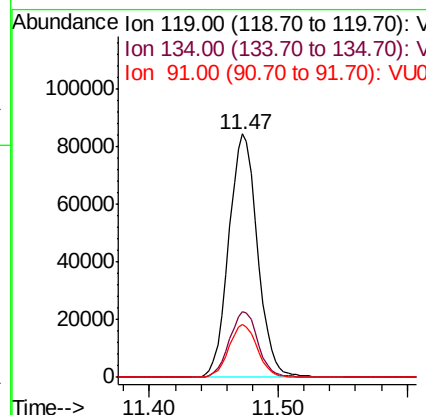
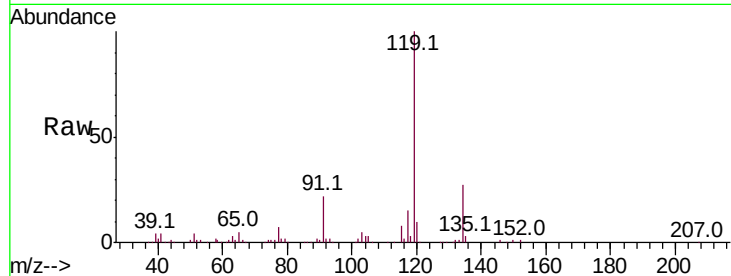
#81
 p-Isopropyltoluene
 Concen: 1.857 ug/l
 RT: 11.47 min Scan# 3229
 Delta R.T. -0.00 min
 Lab File: VU029880.D
 Acq: 08 Mar 2019 11:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0310WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.3	21.2	31.8
91	21.7	17.2	25.8

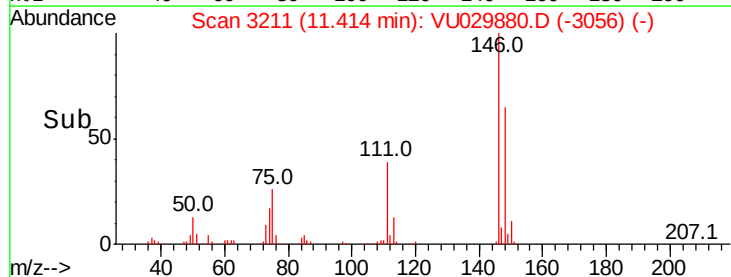
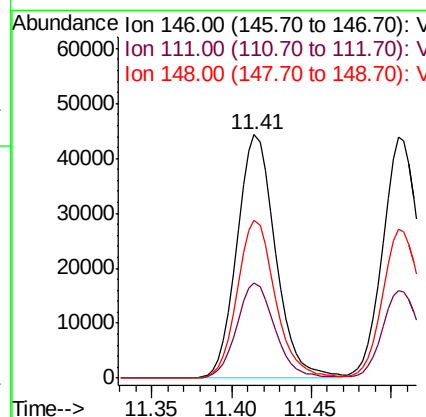
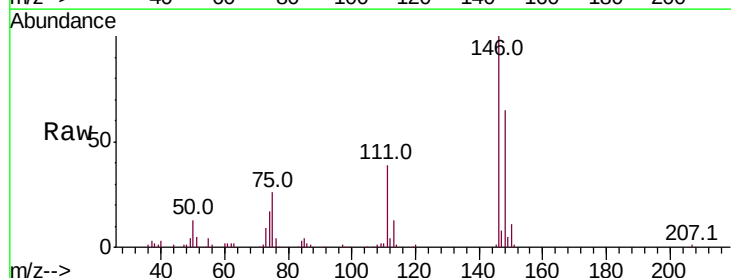
Manual Integrations
 APPROVED

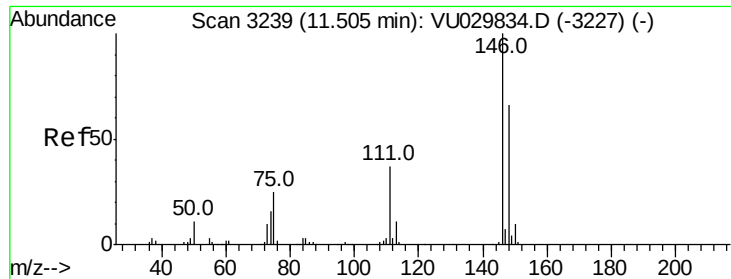
MMDadoda
 3/11/2019 6:55:55 PM



#82
 1,3-Dichlorobenzene
 Concen: 1.828 ug/l
 RT: 11.41 min Scan# 3211
 Delta R.T. -0.00 min
 Lab File: VU029880.D
 Acq: 08 Mar 2019 11:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	30.2	45.4
148	63.9	51.2	76.8





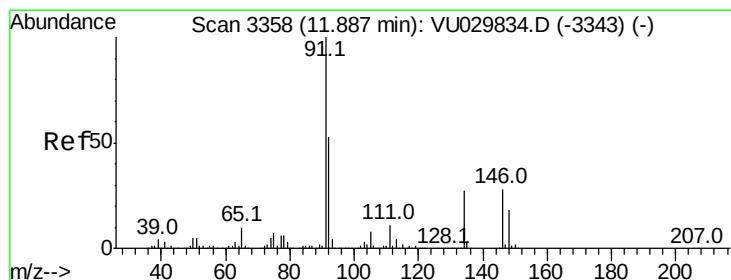
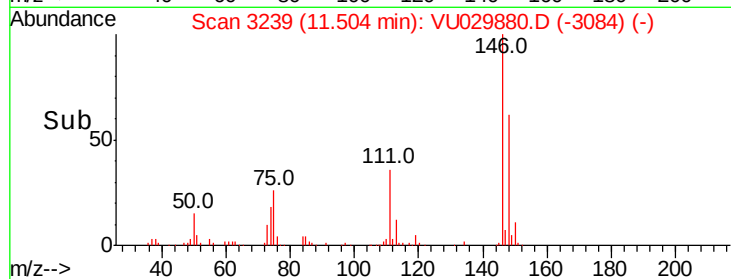
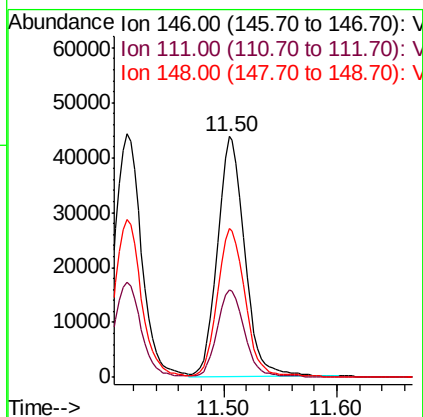
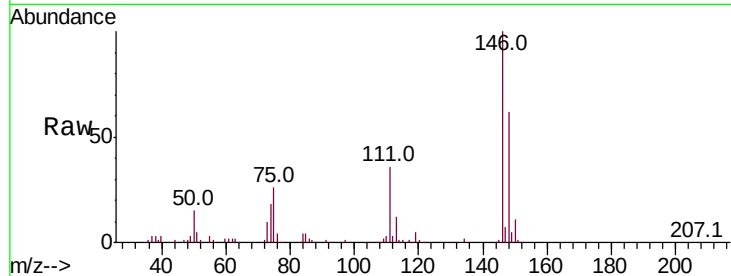
#83
1,4-Dichlorobenzene
Concen: 1.885 ug/l
RT: 11.50 min Scan# 3239
Delta R.T. -0.00 min
Lab File: VU029880.D
Acq: 08 Mar 2019 11:31

Instrument :
MSVOA_U
ClientSampleId :
VU0310WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.9	29.4	44.2
148	63.8	51.7	77.5

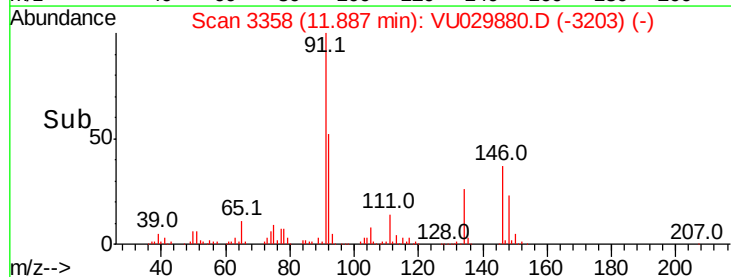
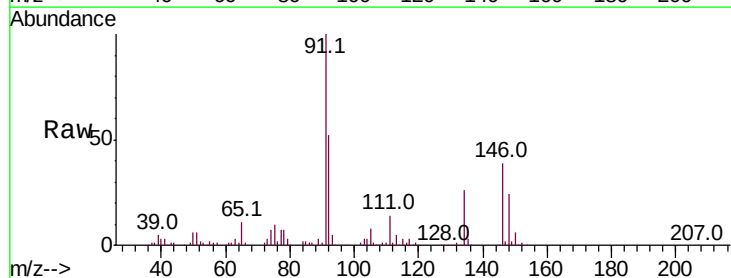
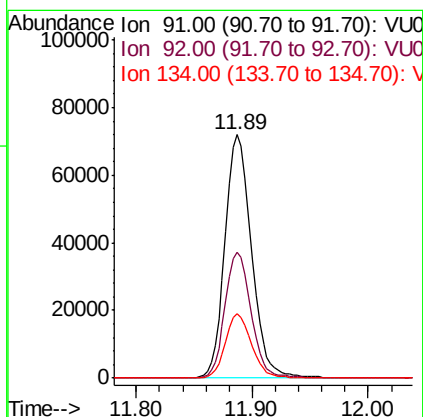
Manual Integrations
APPROVED

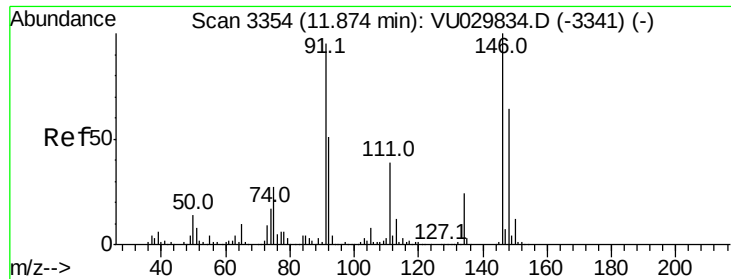
MMDadoda
3/11/2019 6:55:55 PM



#84
n-Butylbenzene
Concen: 1.786 ug/l
RT: 11.89 min Scan# 3358
Delta R.T. -0.00 min
Lab File: VU029880.D
Acq: 08 Mar 2019 11:31

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.0	42.6	63.8
134	25.8	21.7	32.5





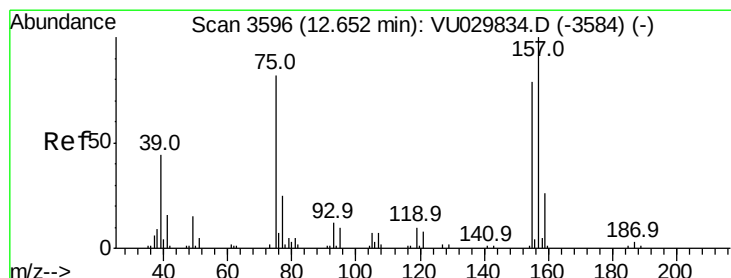
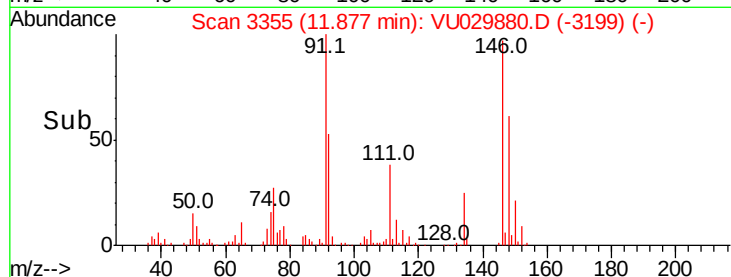
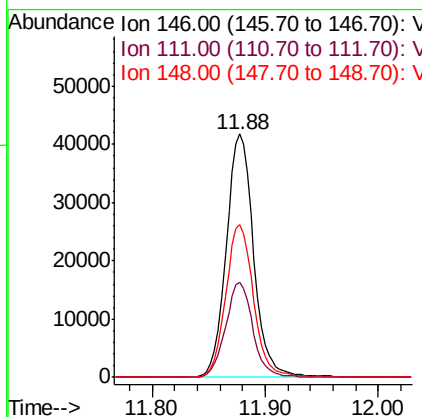
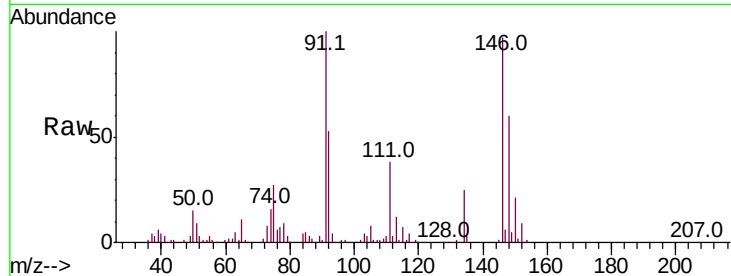
#85
 1,2-Dichlorobenzene
 Concen: 1.878 ug/l
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU029880.D
 Acq: 08 Mar 2019 11:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0310WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.9	59.6
148	63.3	32.1	96.3

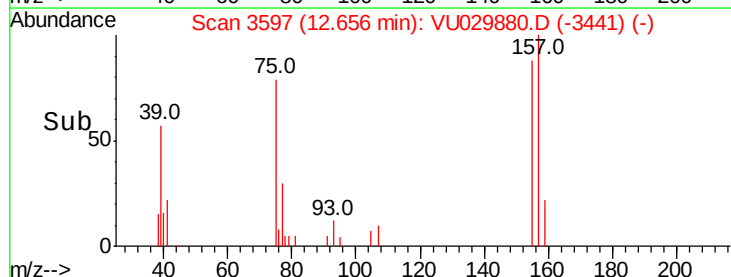
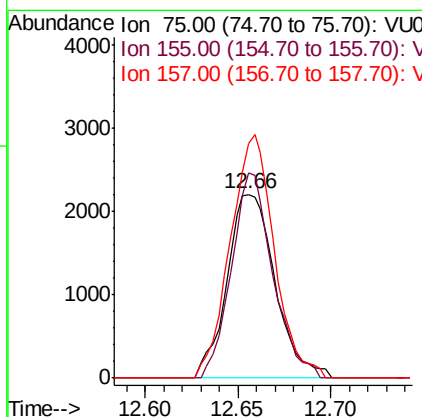
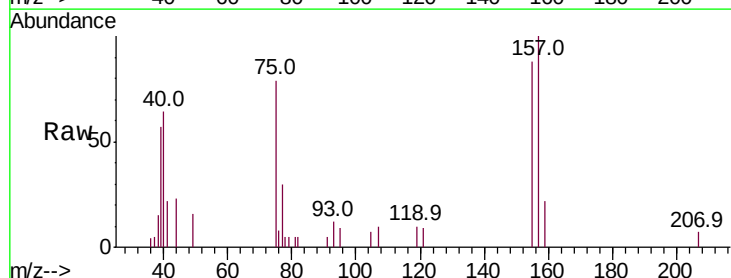
Manual Integrations
 APPROVED

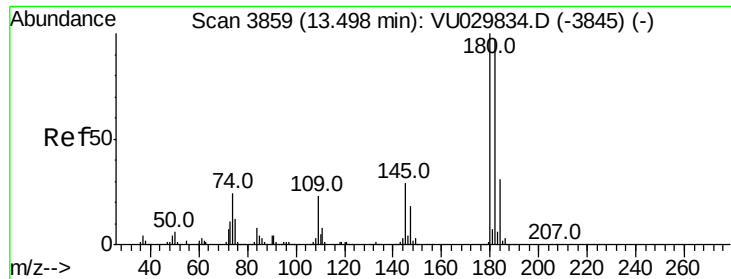
MMDadoda
 3/11/2019 6:55:55 PM



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 1.799 ug/l
 RT: 12.66 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VU029880.D
 Acq: 08 Mar 2019 11:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.0	76.6	114.8
157	121.0	96.2	144.2





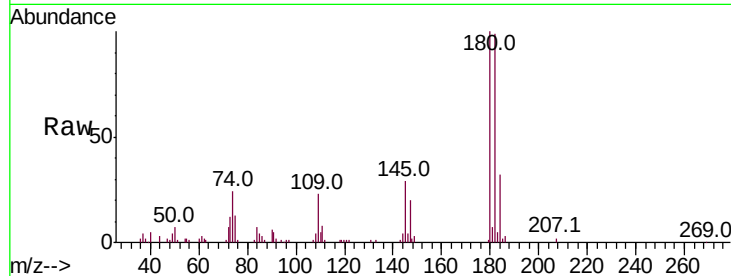
#87
 1,2,4-Trichlorobenzene
 Concen: 1.801 ug/l
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU029880.D
 Acq: 08 Mar 2019 11:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0310WBSD01

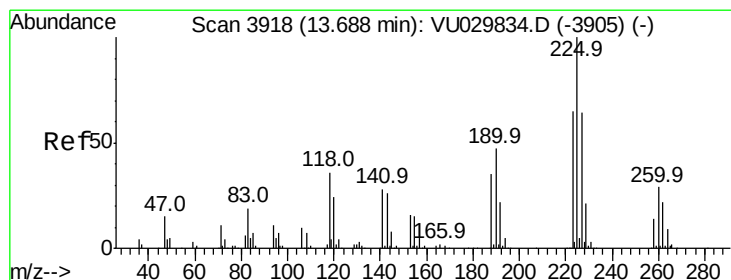
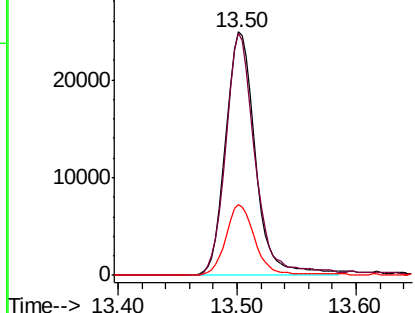
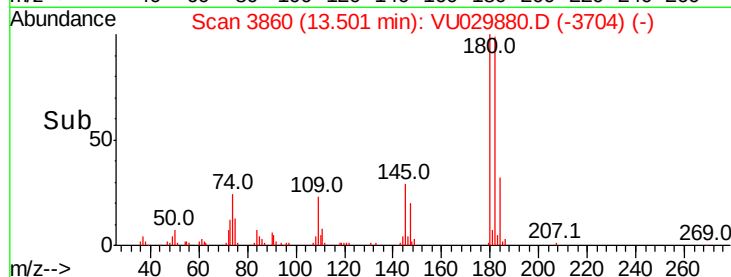
Tot Ion	Ratio	Lower	Upper
180	100		
182	98.2	77.5	116.3
145	28.0	23.6	35.4

Manual Integrations
 APPROVED

MMDadoda
 3/11/2019 6:55:55 PM

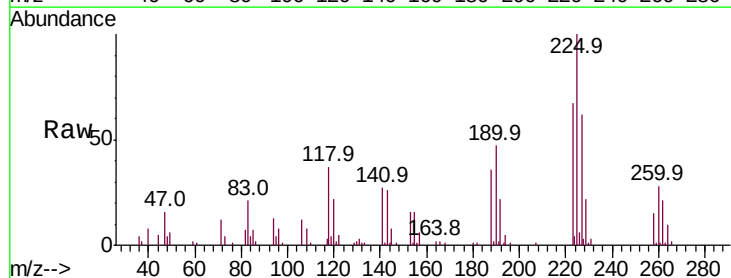


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

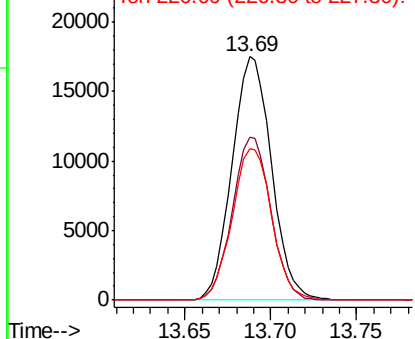
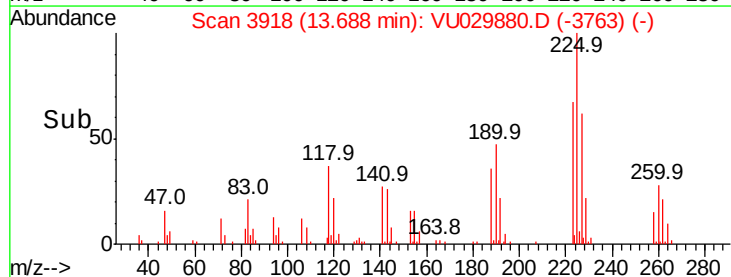


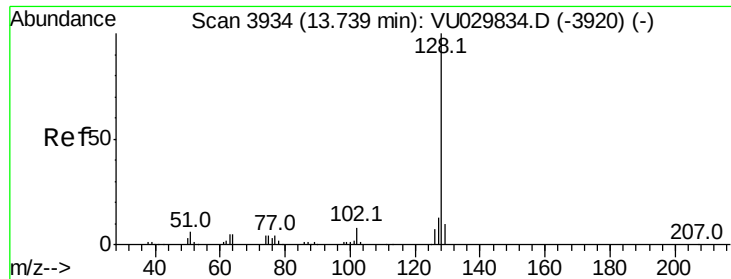
#88
 Hexachlorobutadiene
 Concen: 1.855 ug/l
 RT: 13.69 min Scan# 3918
 Delta R.T. -0.00 min
 Lab File: VU029880.D
 Acq: 08 Mar 2019 11:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.9	51.2	76.8
227	62.6	50.9	76.3



Abundance Ion 224.60 (224.30 to 225.30): V
 Ion 222.60 (222.30 to 223.30): V
 Ion 226.60 (226.30 to 227.30): V





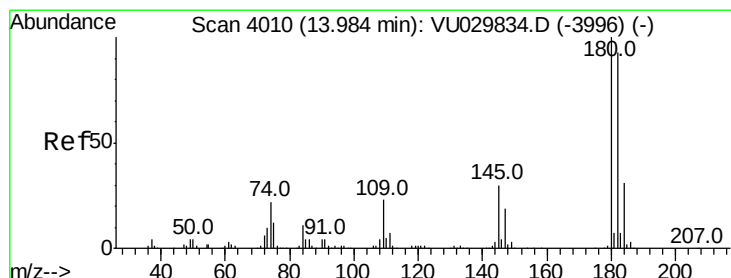
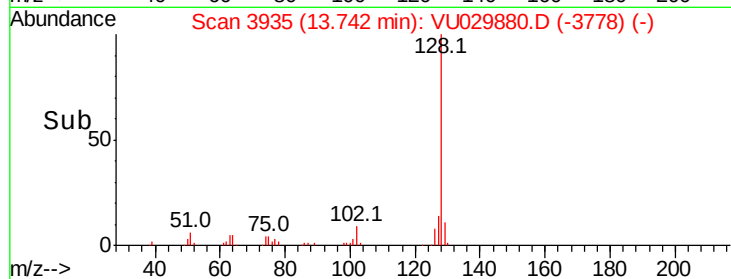
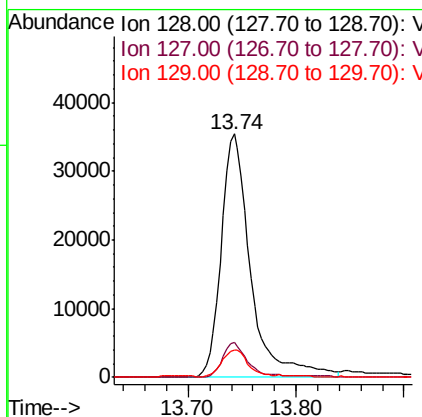
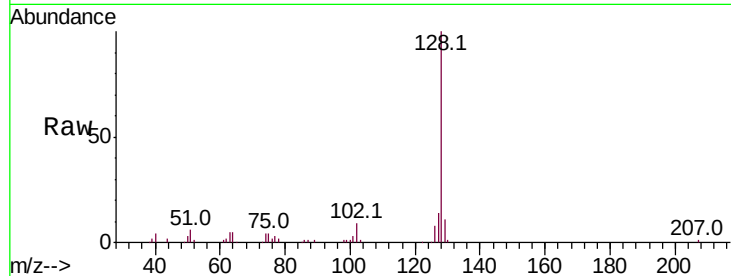
#89
Naphthalene
Concen: 1.841 ug/l
RT: 13.74 min Scan# 3935
Delta R.T. 0.00 min
Lab File: VU029880.D
Acq: 08 Mar 2019 11:31

Instrument :
MSVOA_U
ClientSampleId :
VU0310WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.2	15.4
129	10.9	8.2	12.4

Manual Integrations
APPROVED

MMDadoda
3/11/2019 6:55:55 PM



#90
1,2,3-Trichlorobenzene
Concen: 1.873 ug/l
RT: 13.99 min Scan# 4011
Delta R.T. 0.00 min
Lab File: VU029880.D
Acq: 08 Mar 2019 11:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	74.8	112.2
145	30.5	24.6	36.8

