

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU030719\
 Data File : VU029833.D
 Acq On : 06 Mar 2019 10:47
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 3/11/2019 4:50:08 PM

Quant Time: Mar 08 01:28:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U030719DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Mar 07 01:00:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	63747	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	23633	1.03	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	26518	1.00	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.00%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	103451	4.850	ug/l	98
3) Chloromethane	1.33	50	93369	4.916	ug/l	99
4) Vinyl Chloride	1.40	62	105852	4.954	ug/l	98
5) Bromomethane	1.63	94	68617	4.702	ug/l	98
6) Chloroethane	1.70	64	62829	4.904	ug/l	96
7) Trichlorofluoromethane	1.88	101	145305	4.990	ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	83346	4.920	ug/l	98
9) 1,1-Dichloroethene	2.28	96	81545	4.918	ug/l	99
10) Iodomethane	2.41	142	79764	5.549	ug/l	100
11) Allyl Chloride	2.59	41	115045	4.936	ug/l	99
12) Acrylonitrile	2.94	53	35450	9.805	ug/l	99
13) Acetone	2.32	43	73342	24.493	ug/l	96
14) Carbon Disulfide	2.47	76	265010	4.935	ug/l	99
15) Methylene Chloride	2.70	84	94227	4.736	ug/l	100
16) trans-1,2-Dichloroethene	2.97	96	91777	4.900	ug/l	98
17) 1,1-Dichloroethane	3.44	63	156118	4.981	ug/l	98
18) 2-Butanone	4.27	43	102672	25.230	ug/l	98
19) Cyclohexane	4.99	56	123209m	5.181	ug/l	
20) Methylcyclohexane	6.41	83	144304	5.092	ug/l	98
21) 2,2-Dichloropropane	4.22	77	129621	5.060	ug/l	96
22) cis-1,2-Dichloroethene	4.22	96	99998	5.037	ug/l	98
23) Diethyl Ether	2.10	59	61688	4.962	ug/l	99
24) tert-Butyl Alcohol	2.83	59	62105	48.431	ug/l	99
25) Methyl tert-Butyl Ether	3.00	73	209318	5.013	ug/l	99
26) Bromochloromethane	4.54	128	46089	5.230	ug/l	95
27) Chloroform	4.67	83	156614	4.935	ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	136538	5.074	ug/l	99
29) 1,1-Dichloropropene	5.13	75	119985	5.018	ug/l	100
30) Carbon Tetrachloride	5.13	117	120377	5.128	ug/l	98
31) Isopropyl Ether	3.58	45	215024	4.975	ug/l	97
32) Ethyl-t-butyl ether	4.07	59	210463	5.009	ug/l	100
33) Tert-Amyl methyl ether	5.58	73	200440	5.159	ug/l	99
34) Propionitrile	4.33	54	30511	25.205	ug/l #	96
35) Benzene	5.38	78	357113	5.070	ug/l	99
36) 1,2-Dichloroethane	5.40	62	94781	4.927	ug/l	99
37) Trichloroethene	6.18	130	101865	4.953	ug/l	96
38) 1,2-Dichloropropane	6.43	63	89216	5.004	ug/l	98
39) Methacrylonitrile	4.55	41	25843	5.075	ug/l	99
40) Methyl acrylate	4.43	55	40469	5.028	ug/l	99
41) Tetrahydrofuran	4.65	42	24706	9.276	ug/l	97
42) 1-Chlorobutane	5.06	56	158652	5.194	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU030719\
 Data File : VU029833.D
 Acq On : 06 Mar 2019 10:47
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 3/11/2019 4:50:08 PM

Quant Time: Mar 08 01:28:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U030719DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Mar 07 01:00:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	47422	5.132	ug/l	99
44) Bromodichloromethane	6.75	83	113625	5.007	ug/l	98
45) 4-Methyl-2-Pentanone	7.46	43	248401	25.774	ug/l	99
46) t-1,4-Dichloro-2-butene	10.51	75	43227m	10.304	ug/l	
47) Methyl methacrylate	6.62	69	82063	10.349	ug/l	98
48) Ethyl methacrylate	8.02	69	80506	5.299	ug/l	100
49) Toluene	7.63	92	222317	5.139	ug/l	97
50) t-1,3-Dichloropropene	7.88	75	102449	5.151	ug/l	98
51) cis-1,3-Dichloropropene	7.27	75	125185	5.084	ug/l	99
52) 1,1,2-Trichloroethane	8.06	97	70267	5.137	ug/l	98
53) 1,3-Dichloropropane	8.24	76	112987	5.036	ug/l	98
54) 2-Hexanone	8.36	43	175438	26.210	ug/l	99
55) Dibromochloromethane	8.47	129	83165	5.123	ug/l	99
56) 1,2-Dibromoethane	8.58	107	65972	5.087	ug/l	100
58) Tetrachloroethene	8.22	164	104054	4.953	ug/l	98
59) Chlorobenzene	9.12	112	250973	5.048	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.21	131	90645	5.083	ug/l	99
61) Pentachloroethane	11.10	117	63133	5.085	ug/l	97
62) Hexachloroethane	12.14	117	66524	5.093	ug/l	98
63) Ethyl Benzene	9.25	91	419023	5.145	ug/l	99
64) m/p-Xylenes	9.37	106	338234	10.506	ug/l	100
65) o-Xylene	9.77	106	161293	5.216	ug/l	98
66) Styrene	9.79	104	275298	5.359	ug/l	99
67) Bromoform	9.95	173	49661	5.208	ug/l	97
69) Isopropylbenzene	10.16	105	425870	5.194	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.45	83	85310	5.114	ug/l	99
71) 1,2,3-Trichloropropane	10.49	75	65882m	5.453	ug/l	
72) Bromobenzene	10.45	156	111600	5.142	ug/l	98
73) n-propylbenzene	10.58	120	122493	5.314	ug/l	98
74) 2-Chlorotoluene	10.66	126	105062	5.138	ug/l	98
75) 1,3,5-Trimethylbenzene	10.77	105	363780	5.267	ug/l	100
76) 4-Chlorotoluene	10.77	126	108300	5.194	ug/l	100
77) tert-Butylbenzene	11.10	119	354092	5.181	ug/l	100
78) 1,2,4-Trimethylbenzene	11.14	105	376973	5.401	ug/l	99
79) sec-Butylbenzene	11.32	105	478660	5.285	ug/l	100
80) Nitrobenzene	12.86	77	6813	21.397	ug/l #	91
81) p-Isopropyltoluene	11.47	119	402340	5.306	ug/l	100
82) 1,3-Dichlorobenzene	11.41	146	221056	5.143	ug/l	99
83) 1,4-Dichlorobenzene	11.50	146	218337	5.199	ug/l	98
84) n-Butylbenzene	11.89	91	362714	5.250	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	203492	5.021	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.66	75	12421	5.215	ug/l	99
87) 1,2,4-Trichlorobenzene	13.50	180	135991	5.239	ug/l	99
88) Hexachlorobutadiene	13.69	225	81697	4.997	ug/l	99
89) Naphthalene	13.74	128	227597	5.486	ug/l	99
90) 1,2,3-Trichlorobenzene	13.98	180	127231	5.218	ug/l	96

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

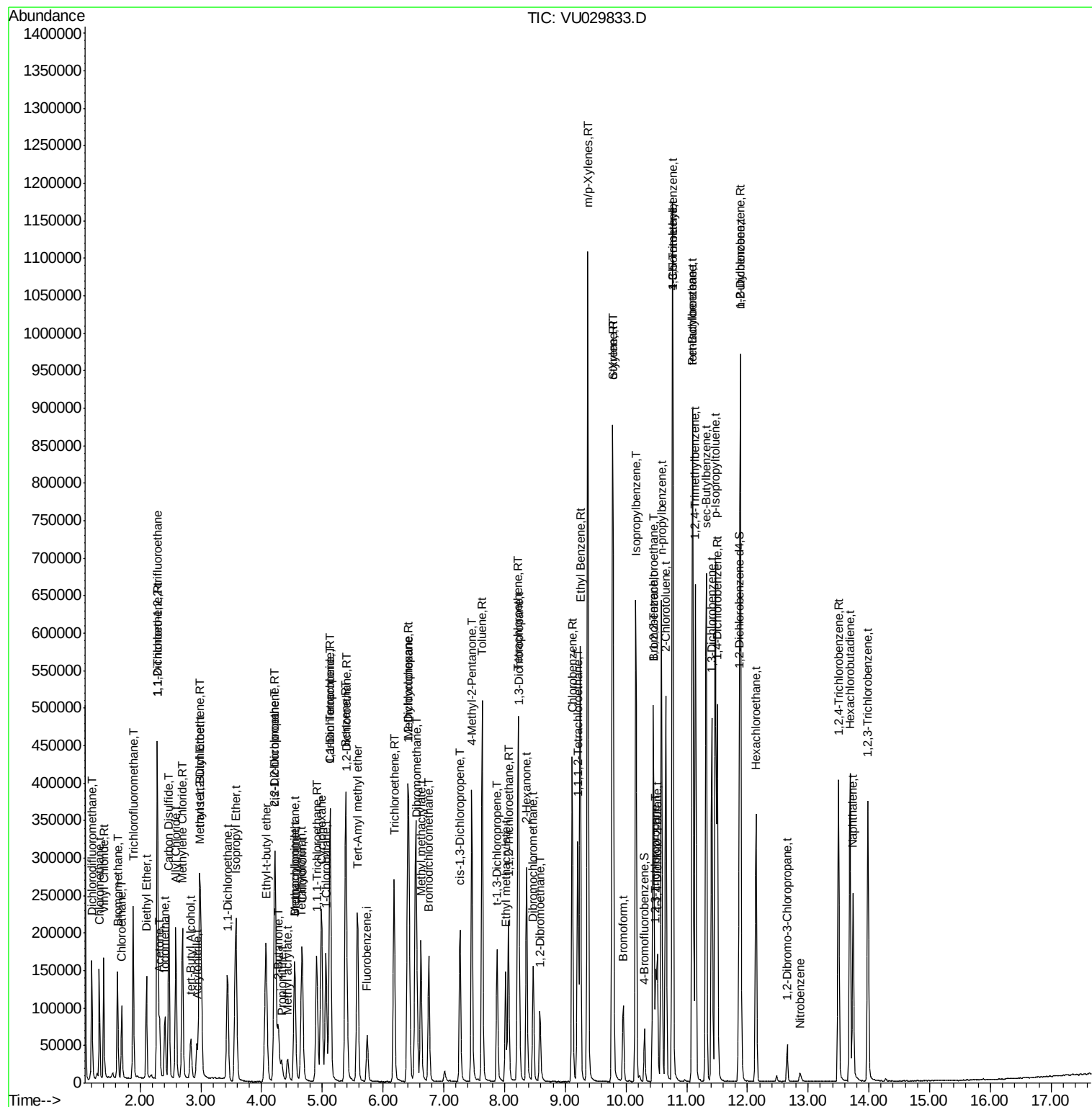
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU030719\
Data File : VU029833.D
Acq On : 06 Mar 2019 10:47
Operator : JC/SP
Sample : VSTDIC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

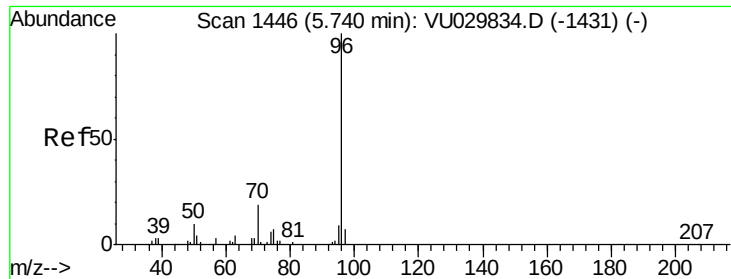
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Manual Integrations
APPROVED

MMDadoda
3/11/2019 4:50:08 PM

Quant Time: Mar 08 01:28:49 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\524U030719DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Mar 07 01:00:11 2019
Response via : Initial Calibration





#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Instrument :

MSVOA_U

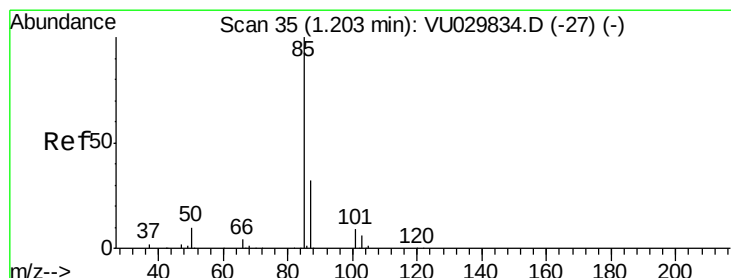
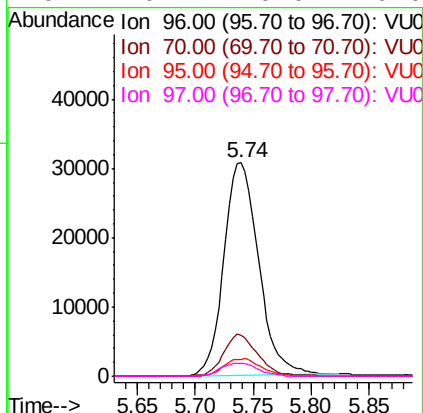
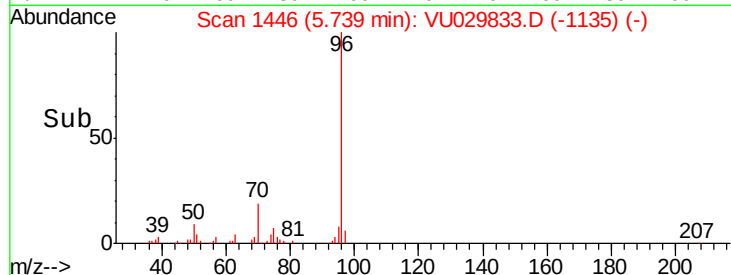
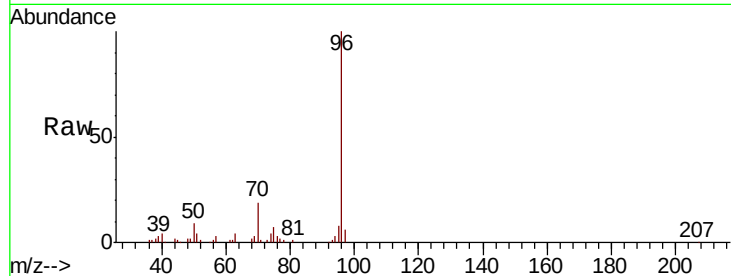
ClientSampleId :

VSTDIC005

Tgt Ion:	96	Resp:	63747
Ion	Ratio	Lower	Upper
96	100		
70	19.7	14.4	21.6
95	8.9	7.0	10.6
97	6.7	0.0	0.0#

Manual Integrations
APPROVED

MMDadoda
3/11/2019 4:50:08 PM



#2

Dichlorodifluoromethane

Concen: 4.850 ug/l

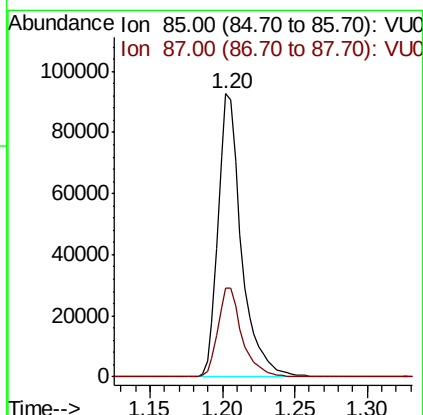
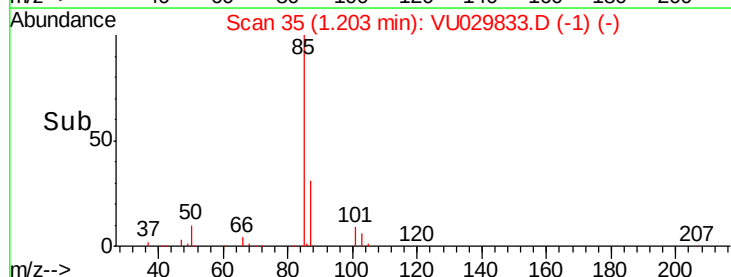
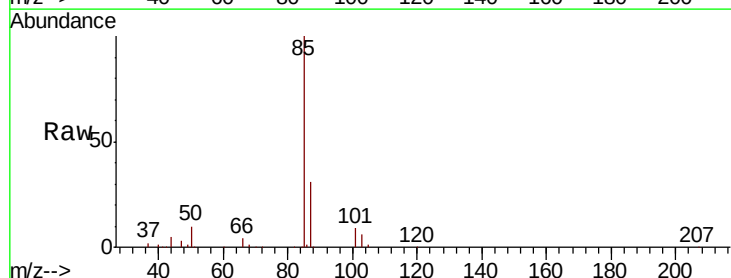
RT: 1.20 min Scan# 35

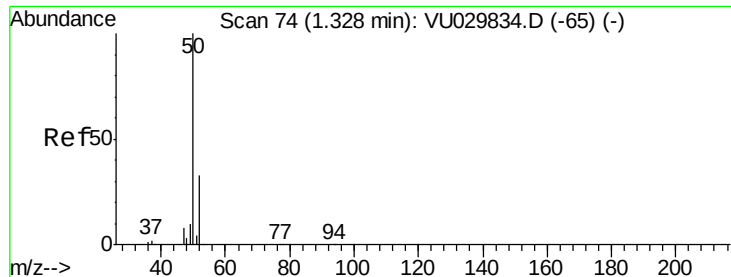
Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Tgt Ion:	85	Resp:	103451
Ion	Ratio	Lower	Upper
85	100		
87	31.4	16.2	48.6





#3

Chloromethane

Concen: 4.916 ug/l

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 50 Resp: 93369

Ion Ratio Lower Upper

50 100

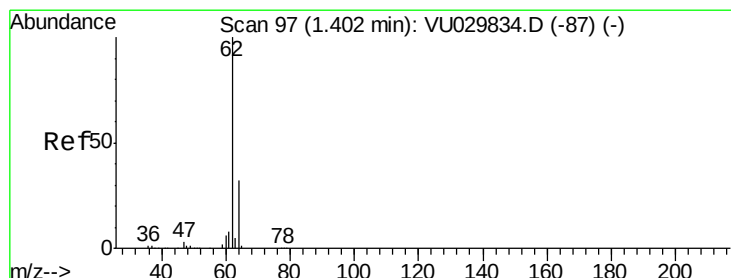
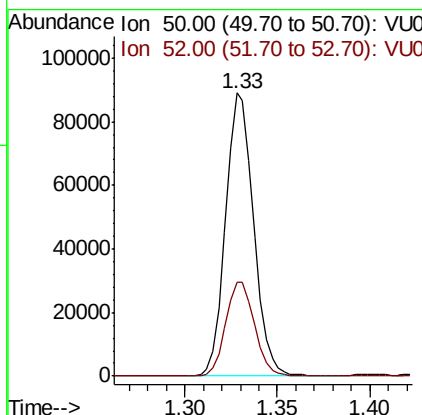
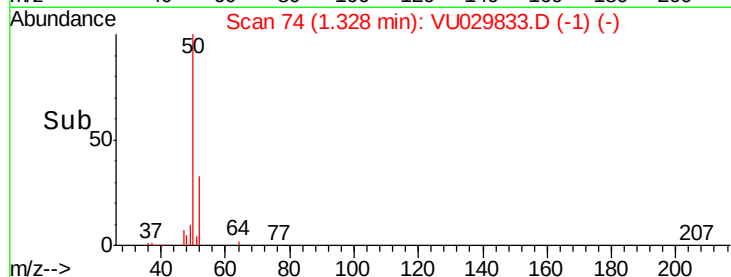
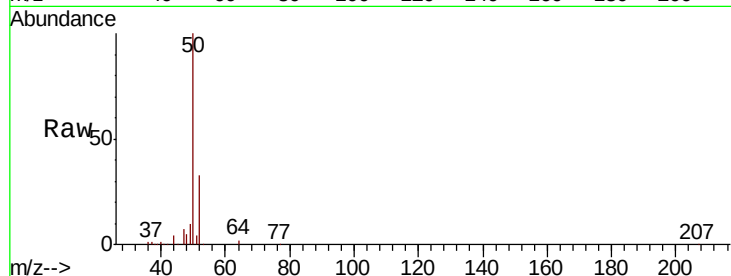
52 33.4 26.5 39.7

Manual Integrations

APPROVED

MMDadoda

3/11/2019 4:50:08 PM



#4

Vinyl Chloride

Concen: 4.954 ug/l

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU029833.D

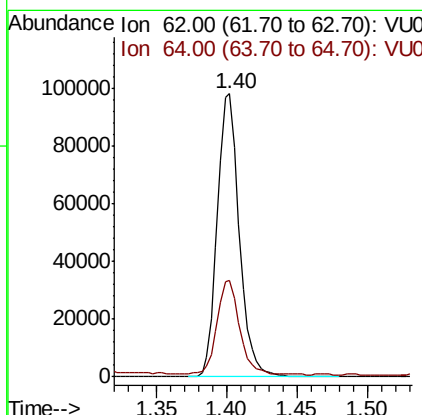
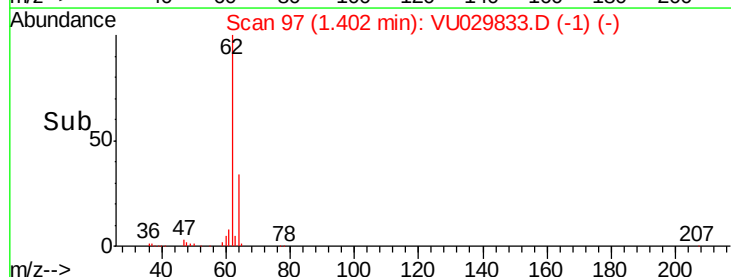
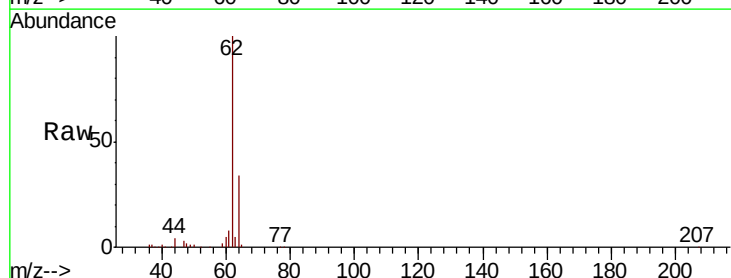
Acq: 06 Mar 2019 10:47

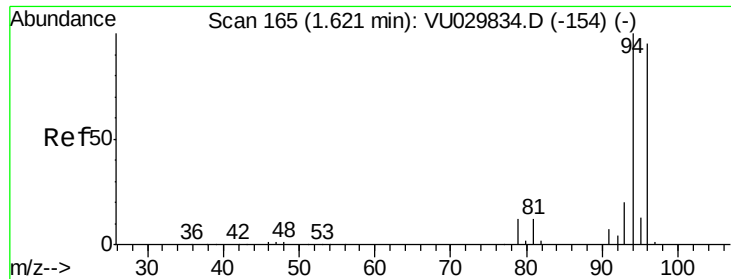
Tgt Ion: 62 Resp: 105852

Ion Ratio Lower Upper

62 100

64 33.3 25.7 38.5





#5

Bromomethane

Concen: 4.702 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.01 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 94 Resp: 68617

Ion Ratio Lower Upper

94 100

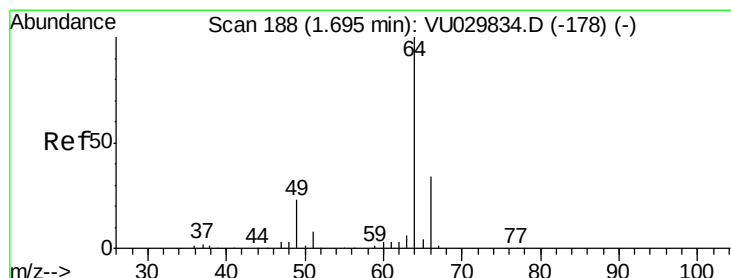
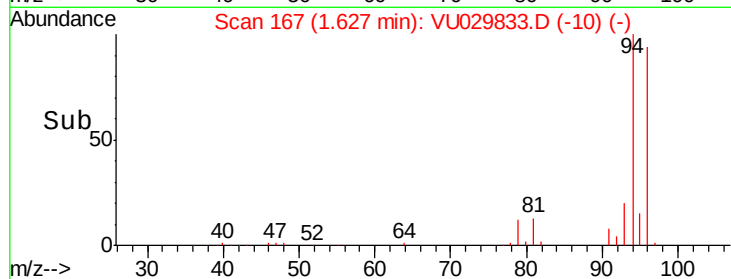
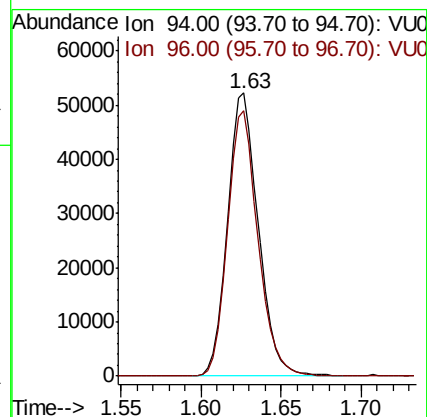
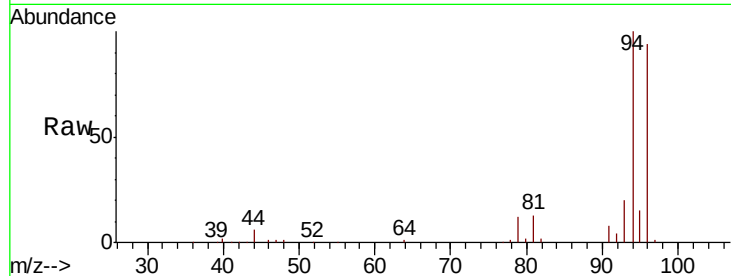
96 93.6 76.4 114.6

Manual Integrations

APPROVED

MMDadoda

3/11/2019 4:50:08 PM



#6

Chloroethane

Concen: 4.904 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU029833.D

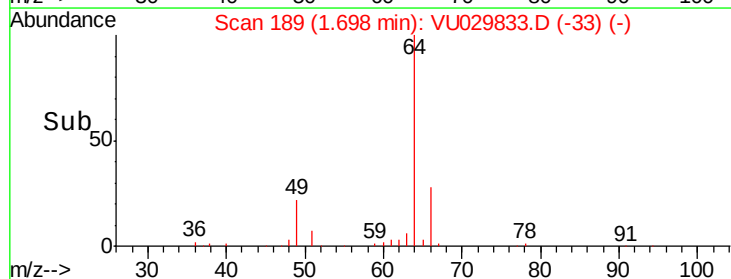
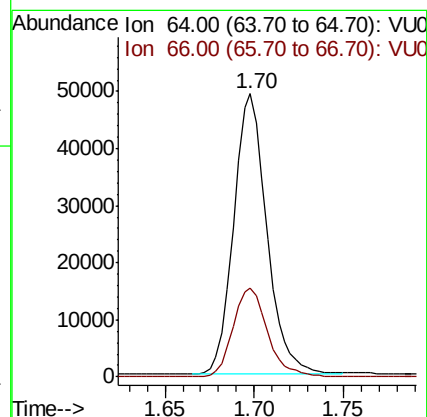
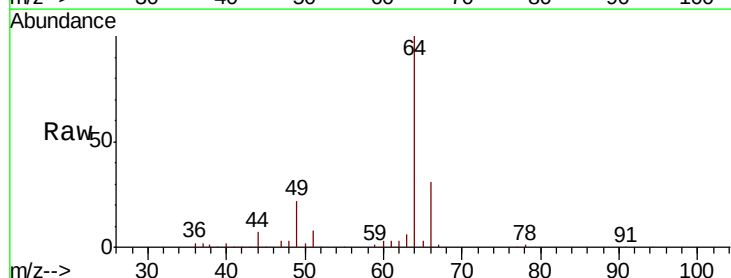
Acq: 06 Mar 2019 10:47

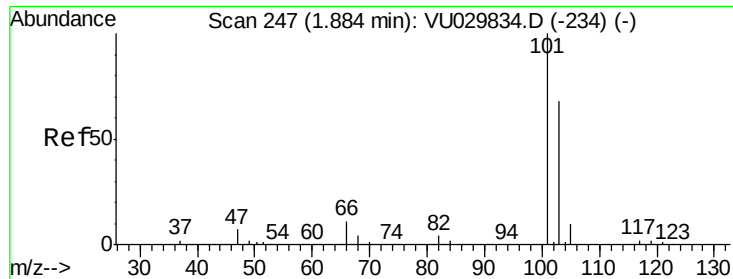
Tgt Ion: 64 Resp: 62829

Ion Ratio Lower Upper

64 100

66 31.8 27.3 40.9





#7

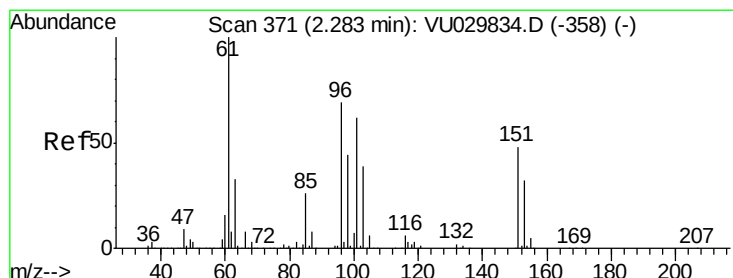
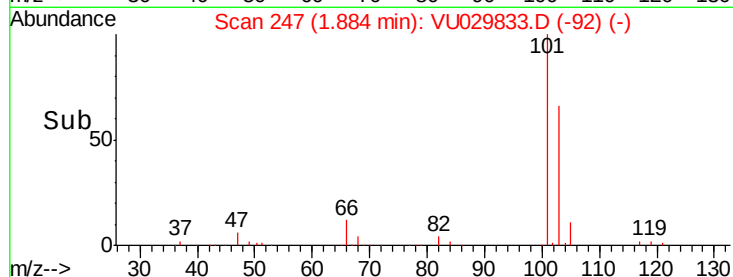
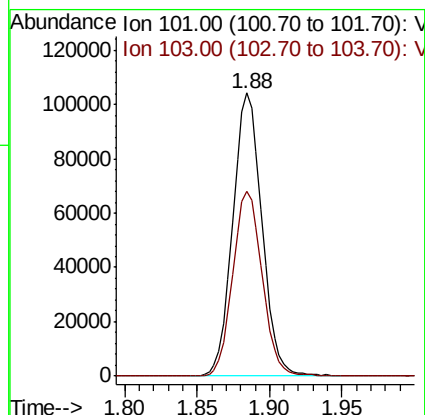
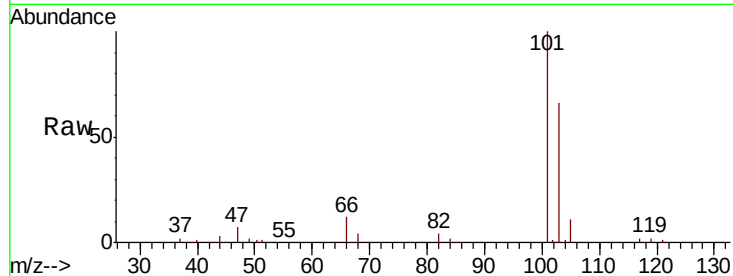
Trichlorofluoromethane
 Concen: 4.990 ug/l
 RT: 1.88 min Scan# 247
 Delta R.T. -0.00 min
 Lab File: VU029833.D
 Acq: 06 Mar 2019 10:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion:101 Resp: 145305
 Ion Ratio Lower Upper
 101 100
 103 65.5 54.2 81.2

Manual Integrations
 APPROVED

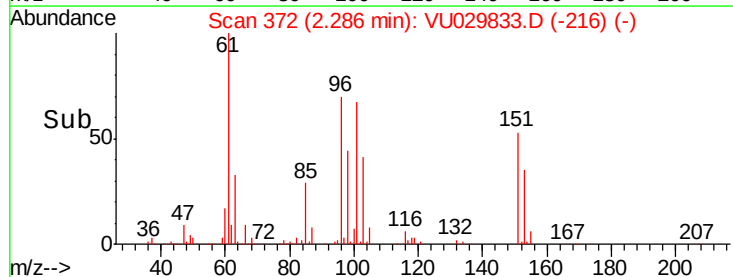
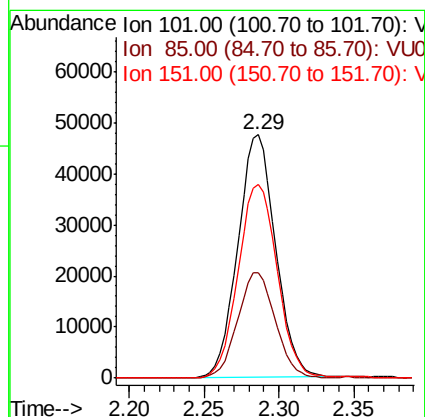
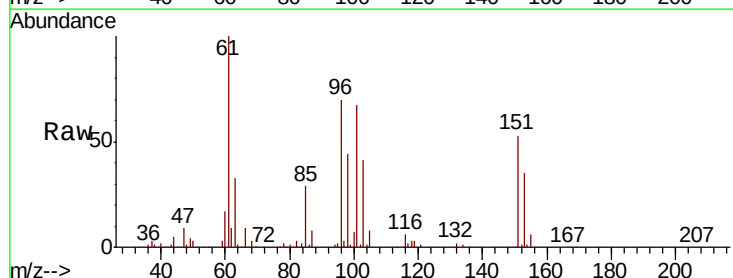
MMDadoda
 3/11/2019 4:50:08 PM

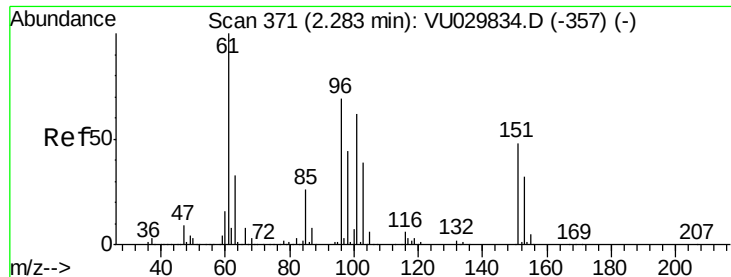


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.920 ug/l
 RT: 2.29 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VU029833.D
 Acq: 06 Mar 2019 10:47

Tgt Ion:101 Resp: 83346
 Ion Ratio Lower Upper
 101 100
 85 43.2 33.4 50.0
 151 81.9 64.6 97.0





#9

1,1-Dichloroethene

Concen: 4.918 ug/l

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Instrument :

MSVOA_U

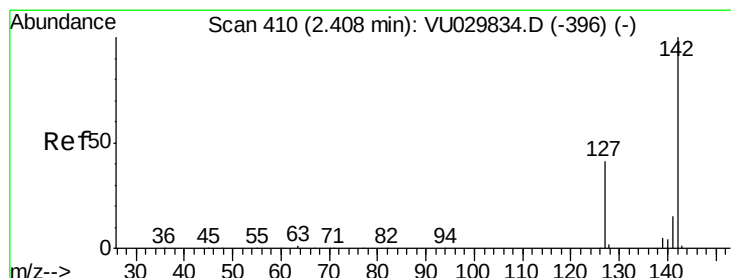
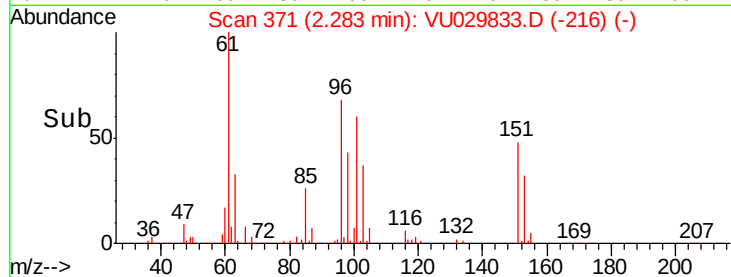
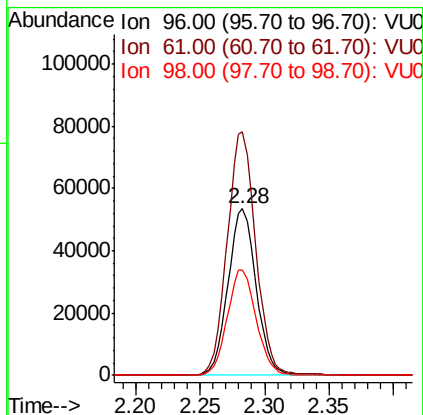
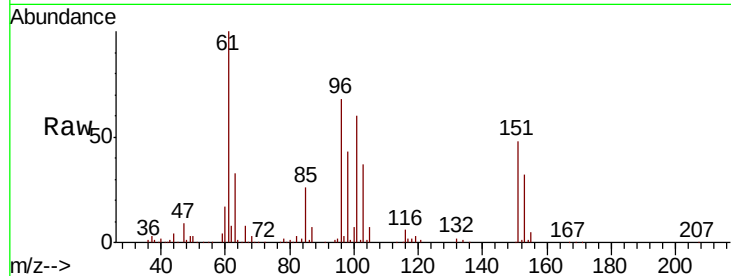
ClientSampled :

VSTDIC005

Tgt Ion:	96	Resp:	81545
Ion	Ratio	Lower	Upper
96	100		
61	146.2	0.0	435.3
98	63.6	0.0	128.6

Manual Integrations
APPROVED

MMDadoda
3/11/2019 4:50:08 PM



#10

Iodomethane

Concen: 5.549 ug/l

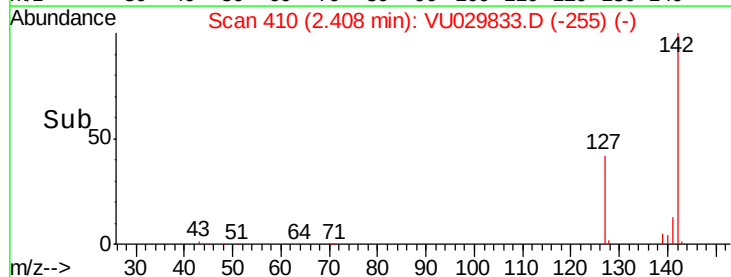
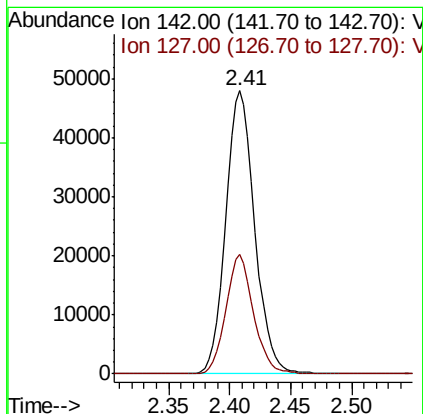
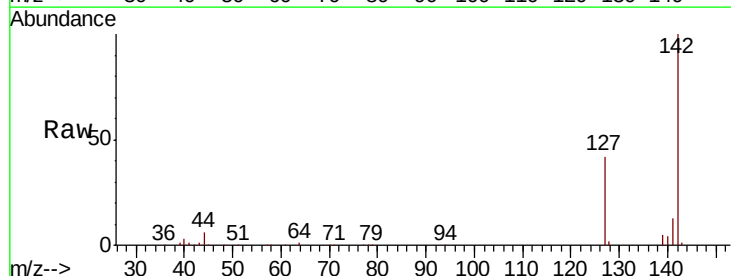
RT: 2.41 min Scan# 410

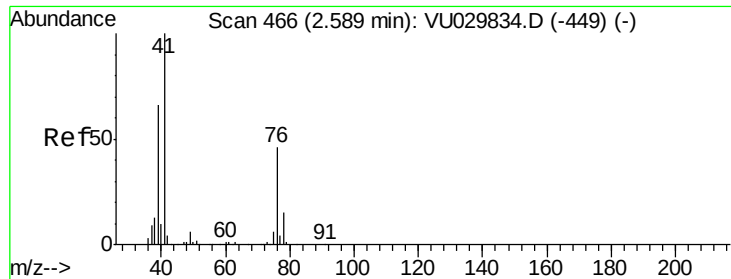
Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Tgt Ion:	142	Resp:	79764
Ion	Ratio	Lower	Upper
142	100		
127	40.1	32.3	48.5





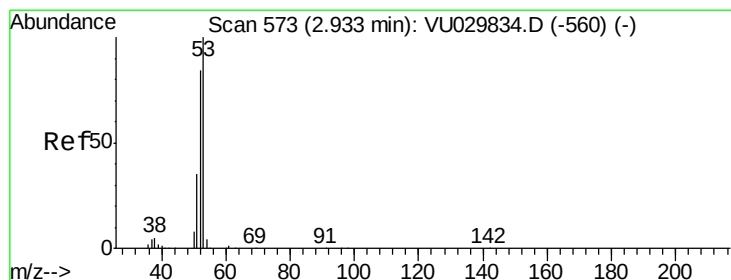
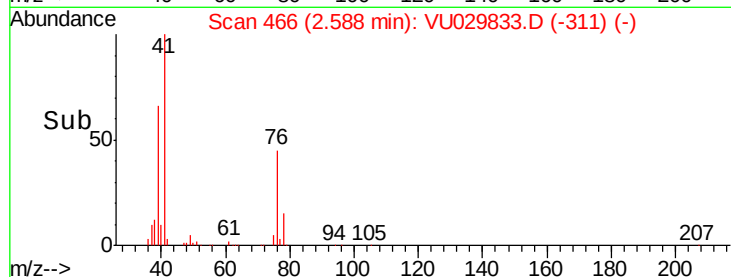
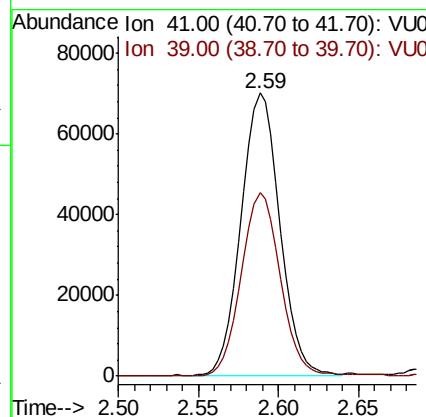
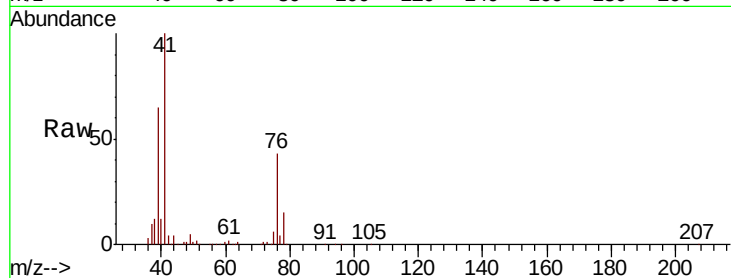
#11
 Allyl Chloride
 Concen: 4.936 ug/l
 RT: 2.59 min Scan# 466
 Delta R.T. -0.00 min
 Lab File: VU029833.D
 Acq: 06 Mar 2019 10:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion: 41 Resp: 115045
 Ion Ratio Lower Upper
 41 100
 39 65.4 51.6 77.4

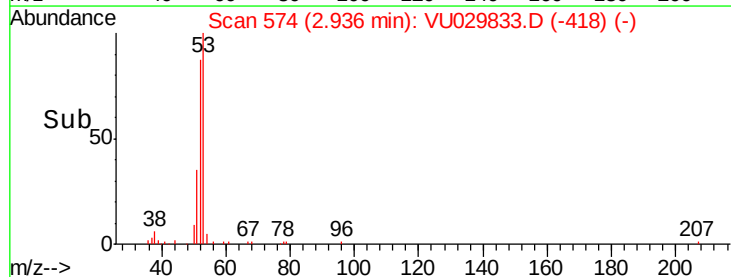
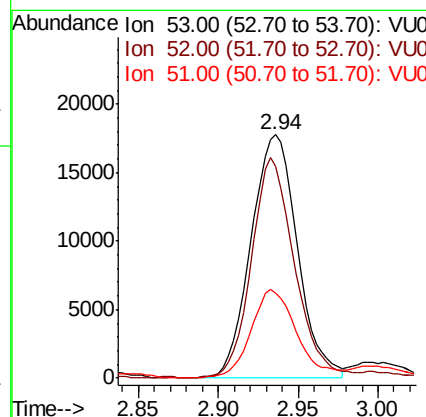
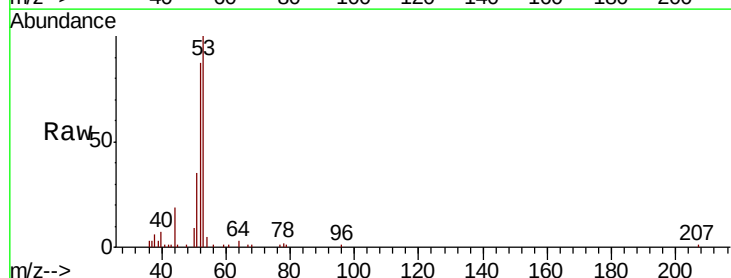
Manual Integrations
 APPROVED

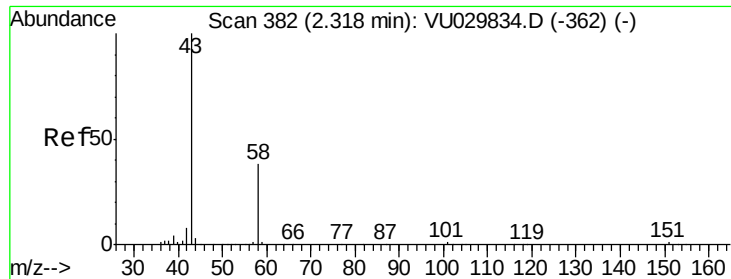
MMDadoda
 3/11/2019 4:50:08 PM



#12
 Acrylonitrile
 Concen: 9.805 ug/l
 RT: 2.94 min Scan# 574
 Delta R.T. 0.00 min
 Lab File: VU029833.D
 Acq: 06 Mar 2019 10:47

Tgt Ion: 53 Resp: 35450
 Ion Ratio Lower Upper
 53 100
 52 83.9 66.5 99.7
 51 36.3 28.6 42.8





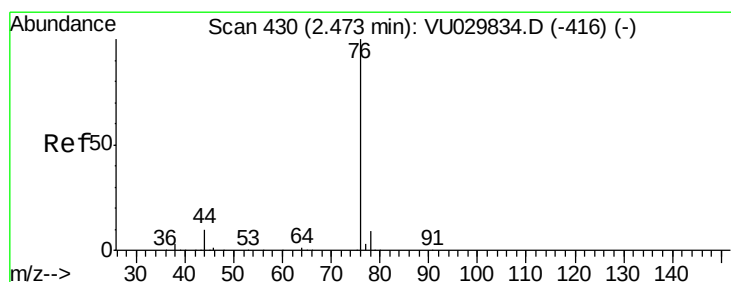
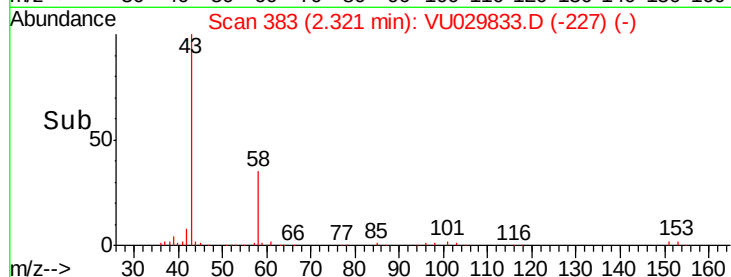
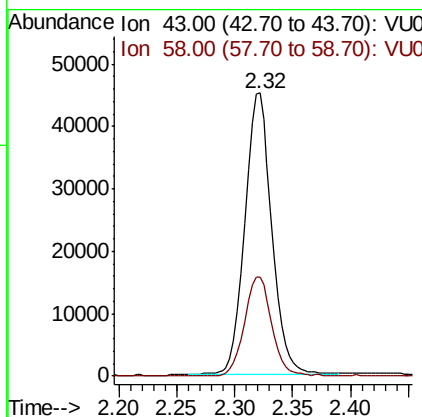
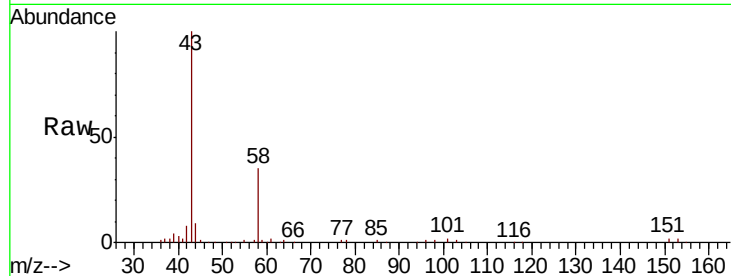
#13
Acetone
Concen: 24.493 ug/l
RT: 2.32 min Scan# 383
Delta R.T. 0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 73342
Ion Ratio Lower Upper
43 100
58 35.2 30.2 45.2

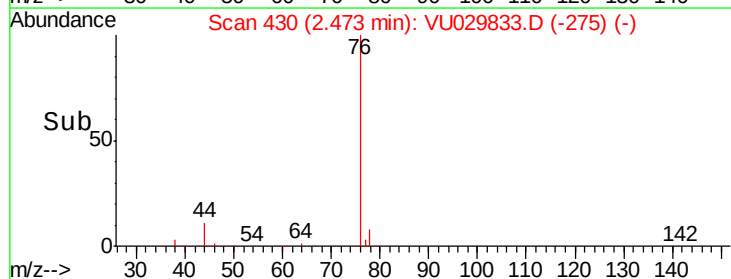
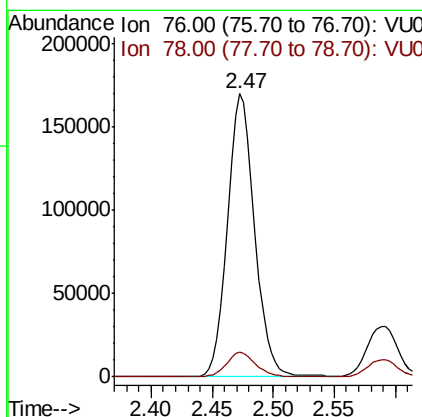
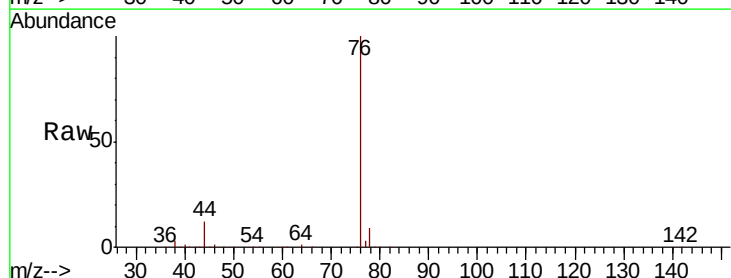
Manual Integrations
APPROVED

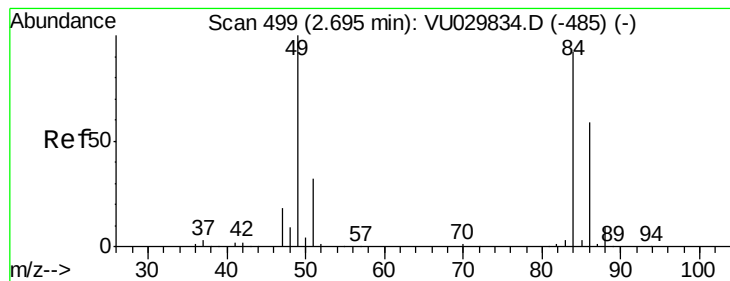
MMDadoda
3/11/2019 4:50:08 PM



#14
Carbon Disulfide
Concen: 4.935 ug/l
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

Tgt Ion: 76 Resp: 265010
Ion Ratio Lower Upper
76 100
78 8.5 7.2 10.8





#15

Methylene Chloride

Concen: 4.736 ug/l

RT: 2.70 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 84 Resp: 94227

Ion Ratio Lower Upper

84 100

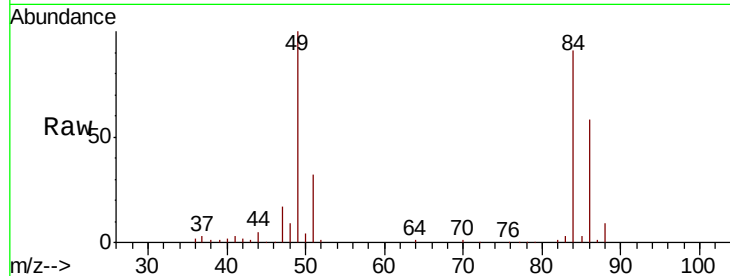
49 109.3 87.2 130.8

51 35.1 0.0 69.0

86 63.8 51.3 76.9

Manual Integrations
APPROVED

MMDadoda
3/11/2019 4:50:08 PM

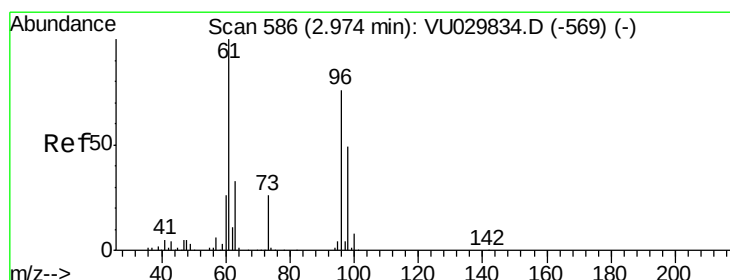
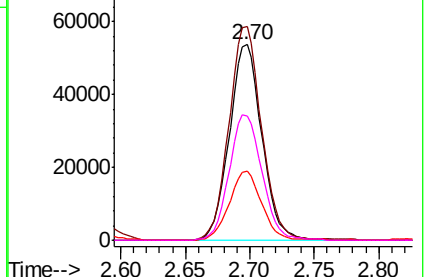
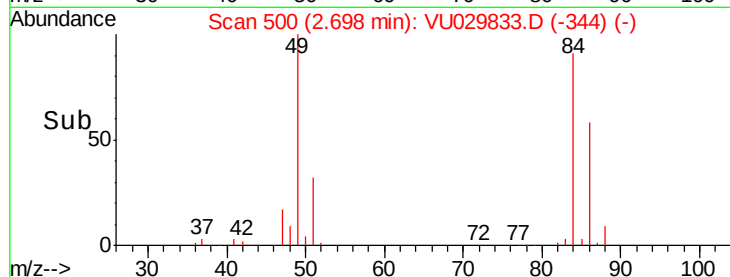


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 49.00 (48.70 to 49.70): VU0

Ion 51.00 (50.70 to 51.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#16

trans-1,2-Dichloroethene

Concen: 4.900 ug/l

RT: 2.97 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

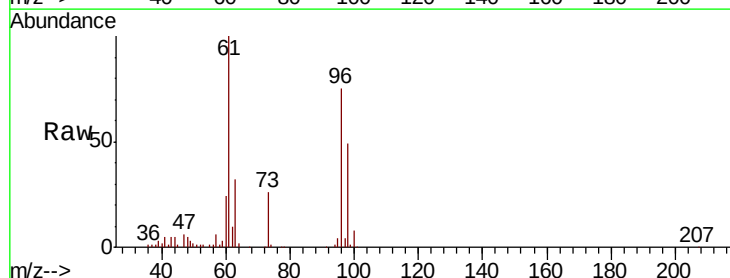
Tgt Ion: 96 Resp: 91777

Ion Ratio Lower Upper

96 100

61 133.3 104.7 157.1

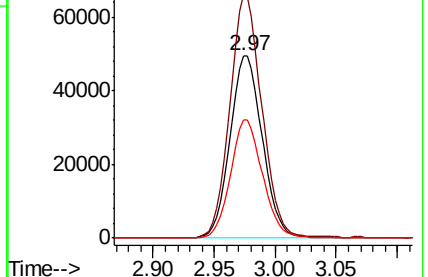
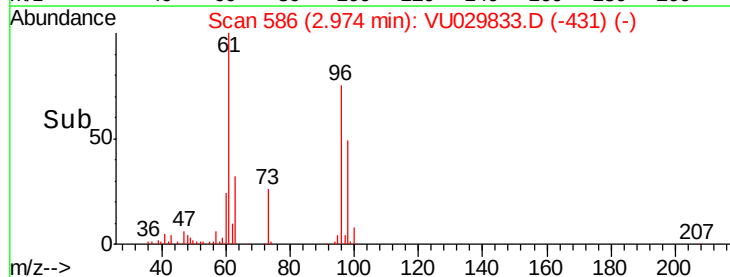
98 64.7 50.9 76.3

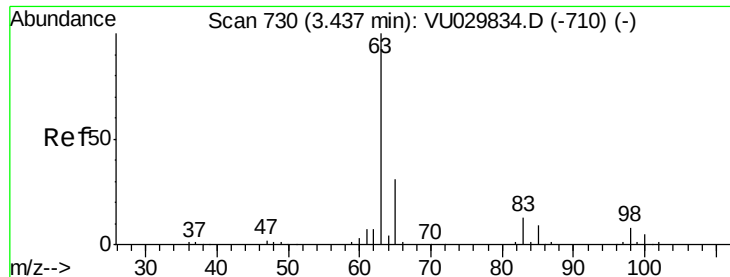


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





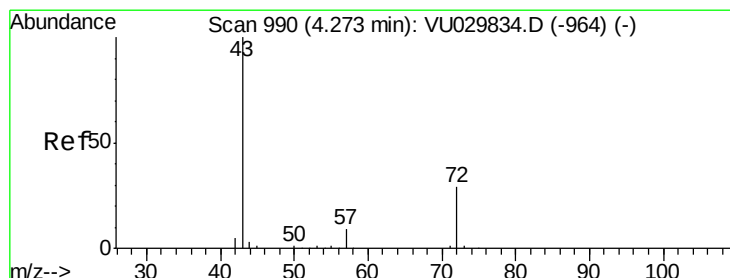
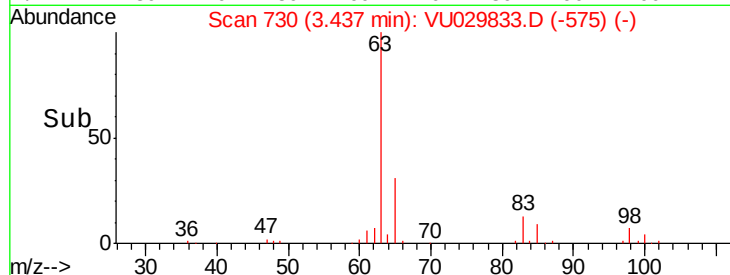
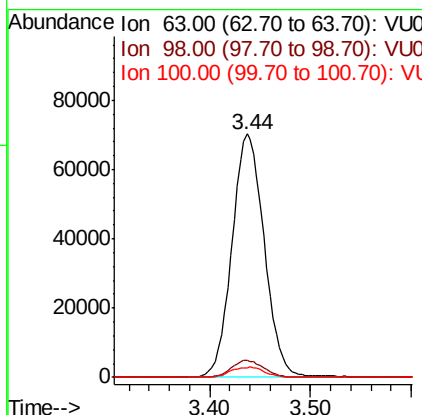
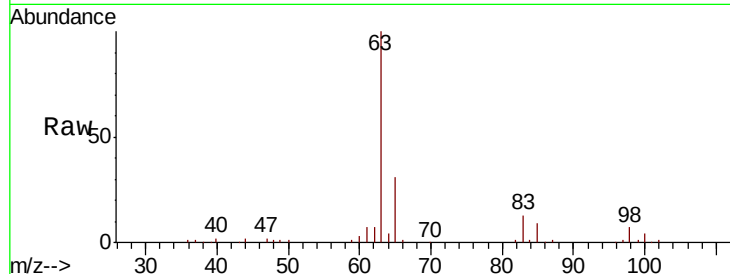
#17
 1,1-Dichloroethane
 Concen: 4.981 ug/l
 RT: 3.44 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU029833.D
 Acq: 06 Mar 2019 10:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion:	63	Resp:	156118
Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.8	11.4
100	4.0	2.4	7.1

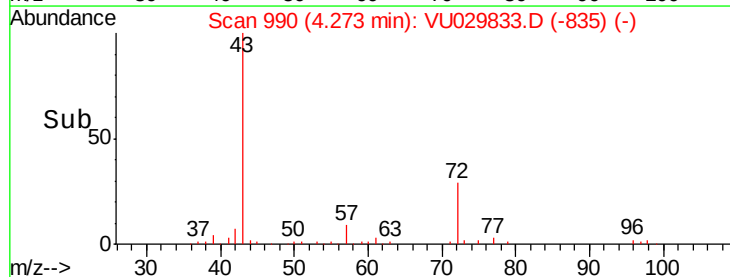
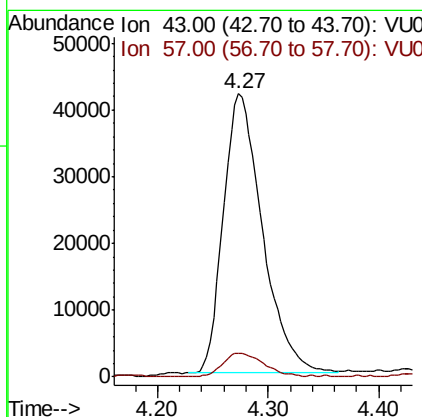
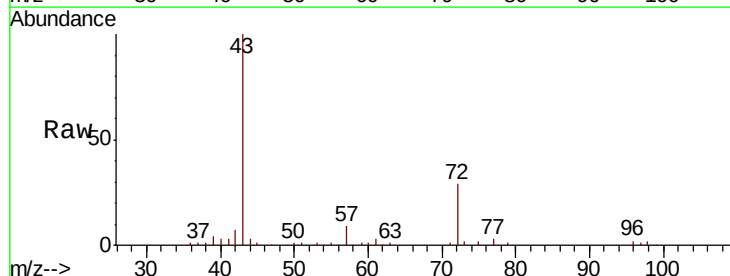
Manual Integrations
 APPROVED

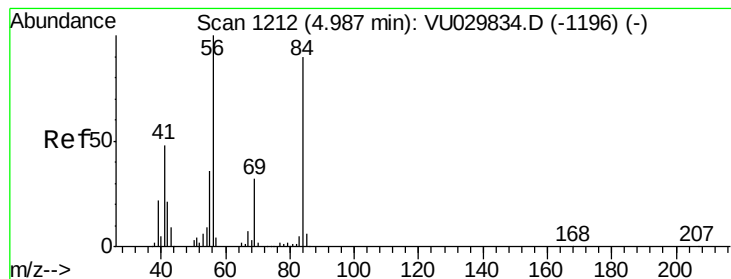
MMDadoda
 3/11/2019 4:50:08 PM



#18
 2-Butanone
 Concen: 25.230 ug/l
 RT: 4.27 min Scan# 990
 Delta R.T. -0.00 min
 Lab File: VU029833.D
 Acq: 06 Mar 2019 10:47

Tgt Ion:	43	Resp:	102672
Ion	Ratio	Lower	Upper
43	100		
57	8.7	0.0	18.6





#19

Cyclohexane

Concen: 5.181 ug/l m

RT: 4.99 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Instrument :

MSVOA_U

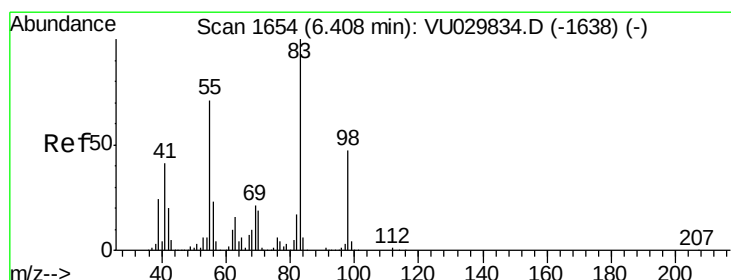
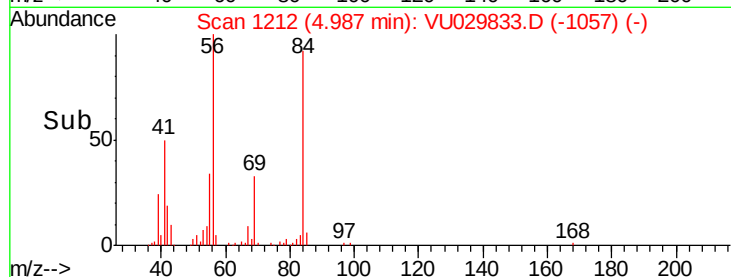
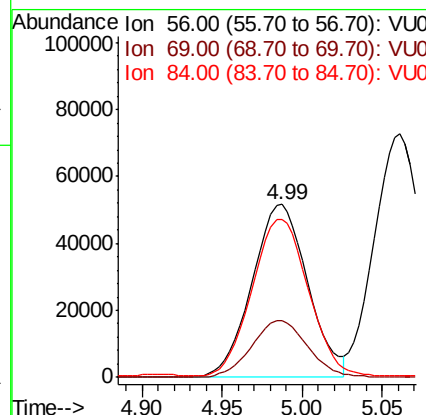
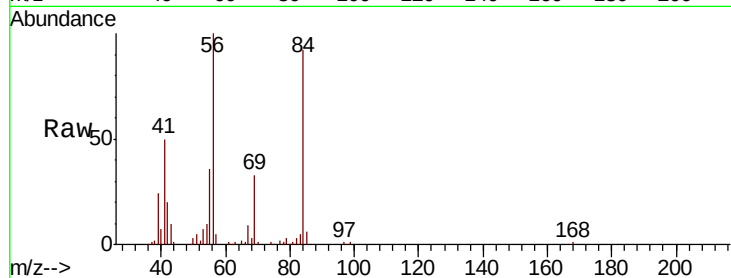
ClientSampleId :

VSTDIC005

Tgt Ion:	56	Resp:	123209
Ion	Ratio	Lower	Upper
56	100		
69	32.7	29.4	44.2
84	91.6	84.6	127.0

Manual Integrations
APPROVED

MMDadoda
3/11/2019 4:50:08 PM



#20

Methylcyclohexane

Concen: 5.092 ug/l

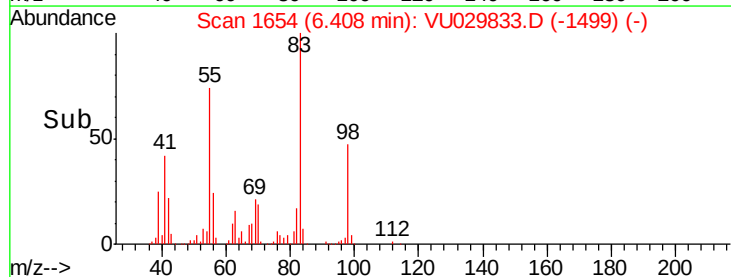
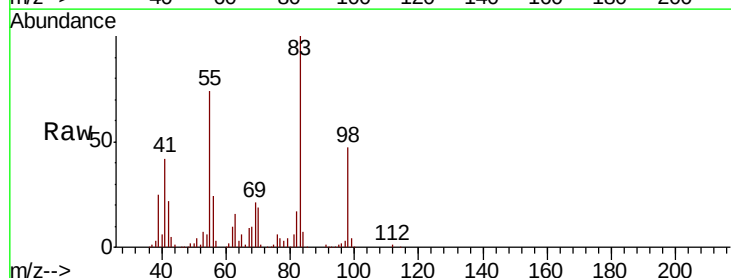
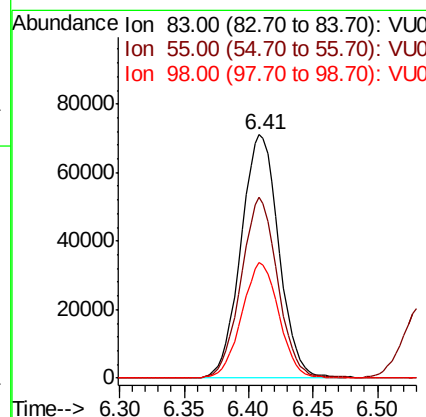
RT: 6.41 min Scan# 1654

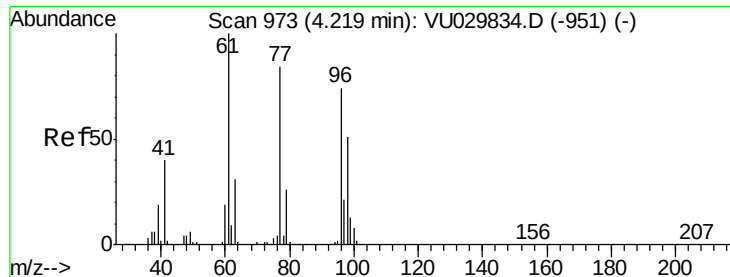
Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Tgt Ion:	83	Resp:	144304
Ion	Ratio	Lower	Upper
83	100		
55	71.8	55.9	83.9
98	47.0	37.0	55.4





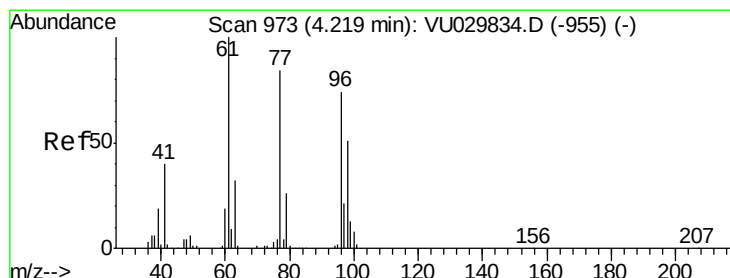
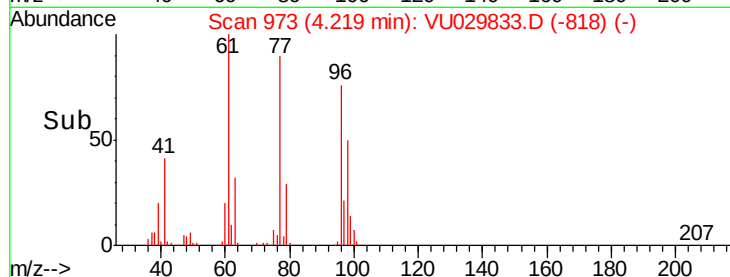
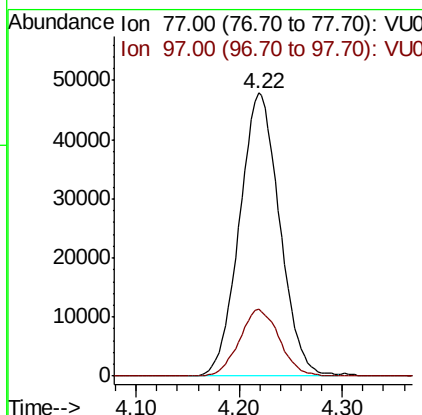
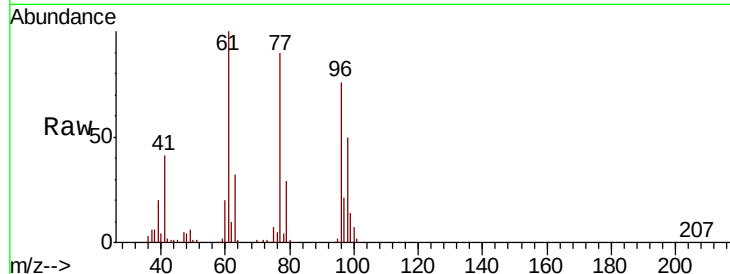
#21
 2,2-Dichloropropane
 Concen: 5.060 ug/l
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU029833.D
 Acq: 06 Mar 2019 10:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion: 77 Resp: 129621
 Ion Ratio Lower Upper
 77 100
 97 23.4 20.2 30.2

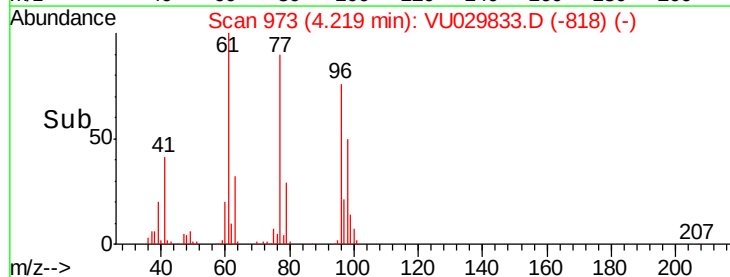
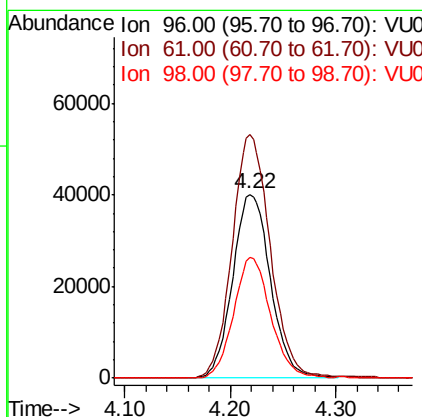
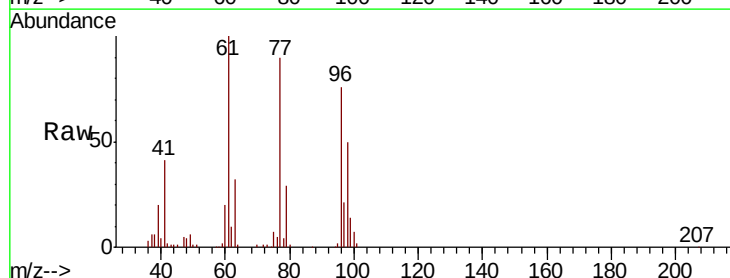
Manual Integrations
 APPROVED

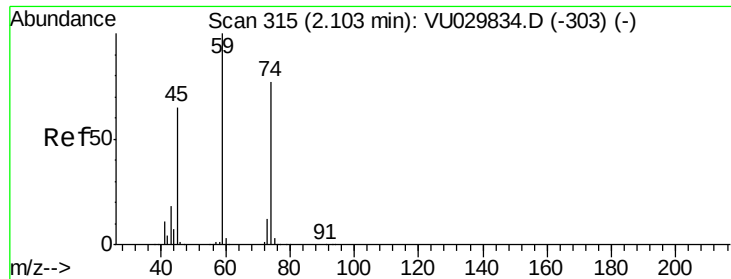
MMDadoda
 3/11/2019 4:50:08 PM



#22
 cis-1,2-Dichloroethene
 Concen: 5.037 ug/l
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU029833.D
 Acq: 06 Mar 2019 10:47

Tgt Ion: 96 Resp: 99998
 Ion Ratio Lower Upper
 96 100
 61 133.9 0.0 339.0
 98 64.3 33.1 99.5





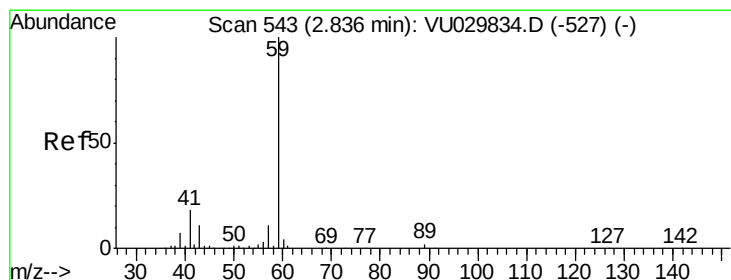
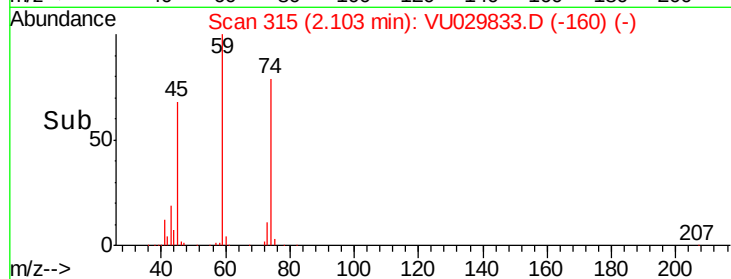
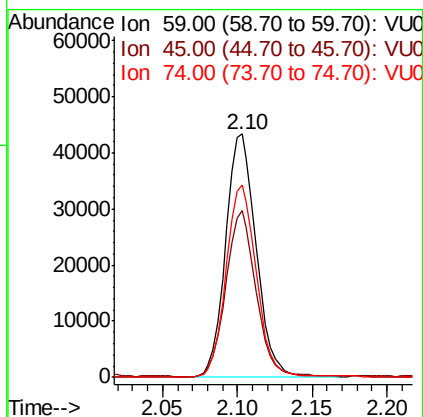
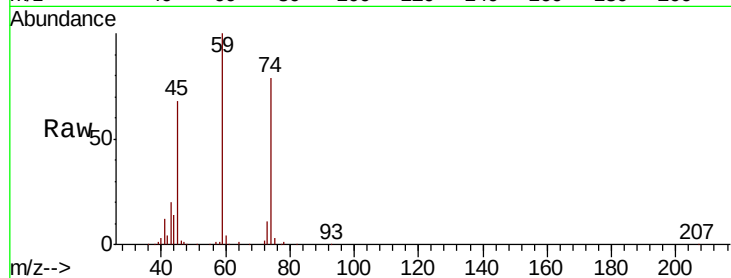
#23
Diethyl Ether
Concen: 4.962 ug/l
RT: 2.10 min Scan# 315
Delta R.T. -0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
59	100		
45	67.2	52.7	79.1
74	77.9	61.8	92.6

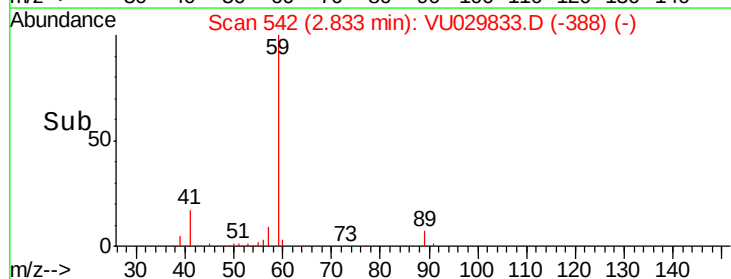
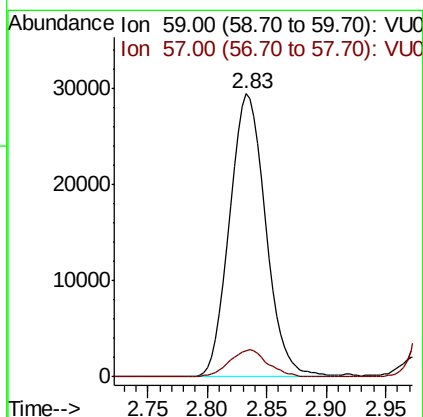
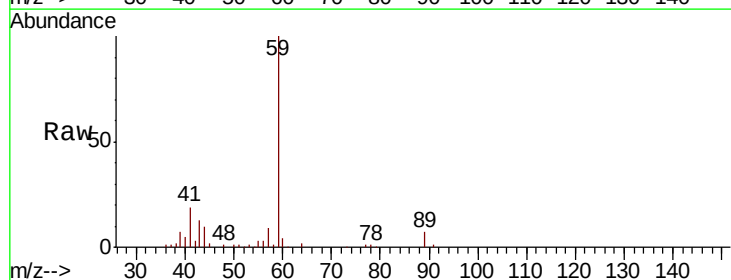
Manual Integrations
APPROVED

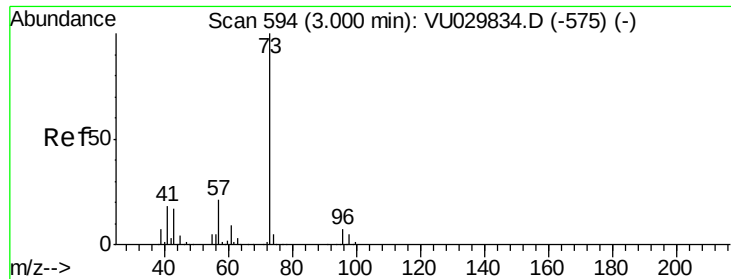
MMDadoda
3/11/2019 4:50:08 PM



#24
tert-Butyl Alcohol
Concen: 48.431 ug/l
RT: 2.83 min Scan# 542
Delta R.T. -0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.5	12.7





#25

Methyl tert-Butyl Ether

Concen: 5.013 ug/l

RT: 3.00 min Scan# 594

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 73 Resp: 209318

Ion Ratio Lower Upper

73 100

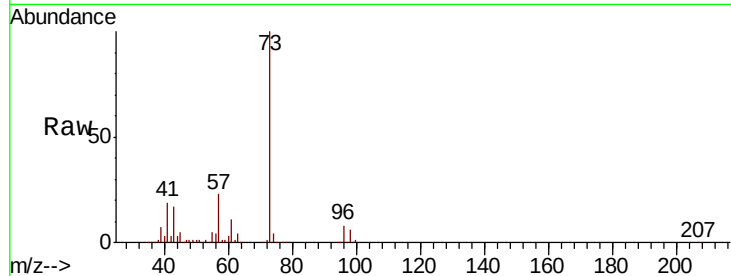
43 16.9 13.1 19.7

Manual Integrations

APPROVED

MMDadoda

3/11/2019 4:50:08 PM

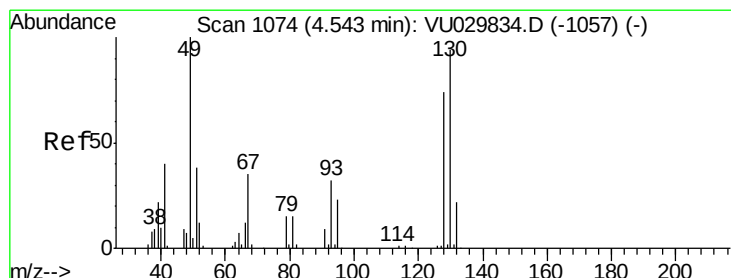
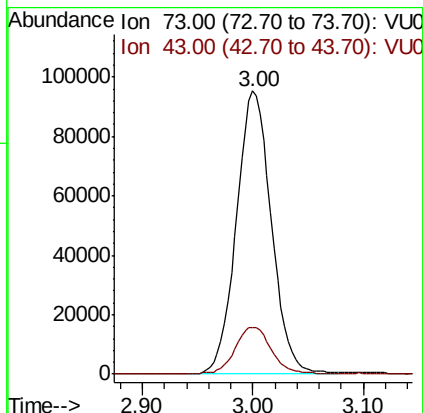
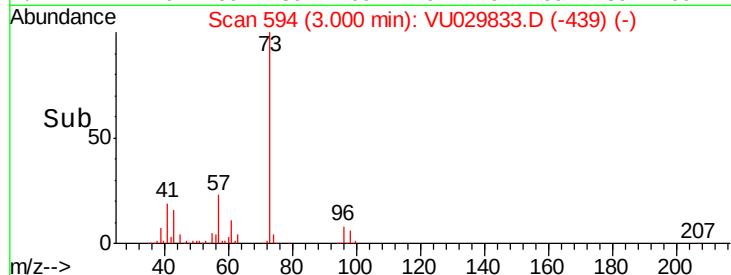


Abundance Ion 73.00 (72.70 to 73.70): VU029833.D (-439) (-)

Ion 43.00 (42.70 to 43.70): VU029833.D (-439) (-)

3.00

Time-->



#26

Bromochloromethane

Concen: 5.230 ug/l

RT: 4.54 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

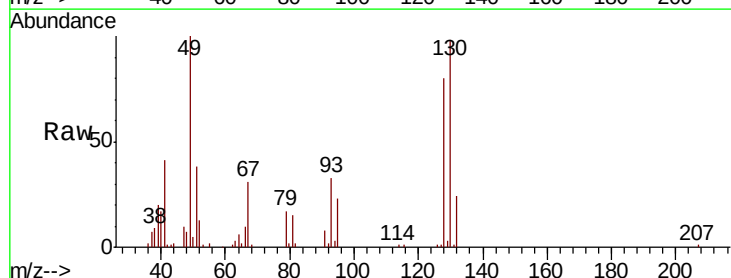
Tgt Ion: 128 Resp: 46089

Ion Ratio Lower Upper

128 100

49 129.6 0.0 270.6

130 123.7 104.2 156.4



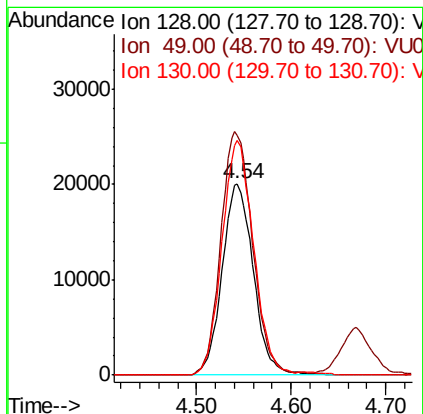
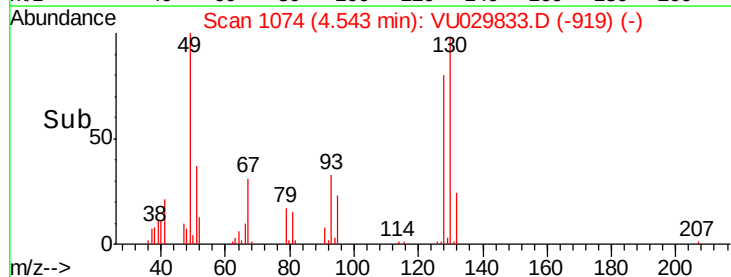
Abundance Ion 128.00 (127.70 to 128.70): VU029833.D (-919) (-)

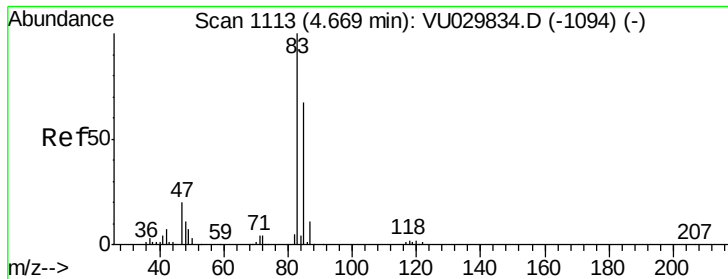
Ion 49.00 (48.70 to 49.70): VU029833.D (-919) (-)

Ion 130.00 (129.70 to 130.70): VU029833.D (-919) (-)

4.54

Time-->





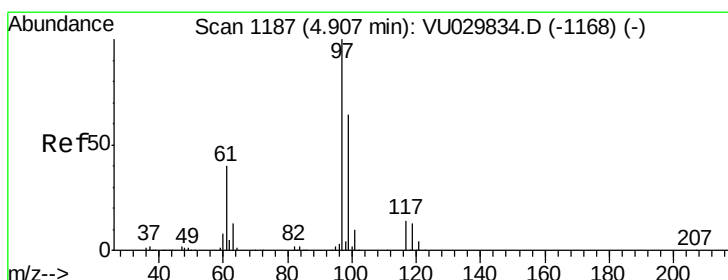
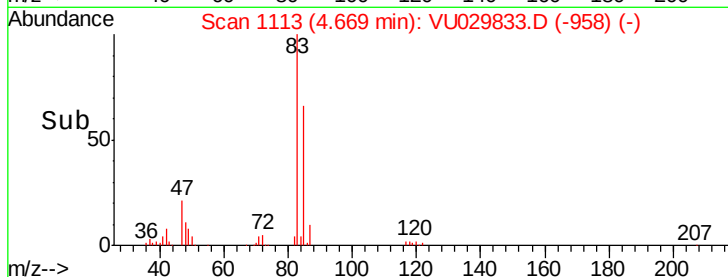
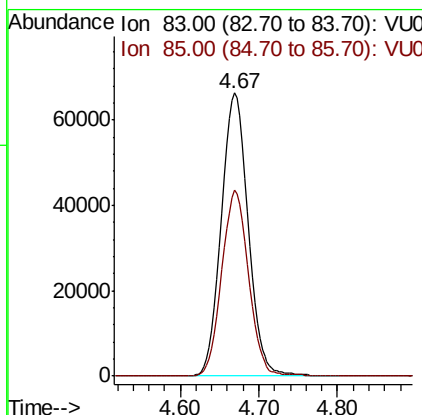
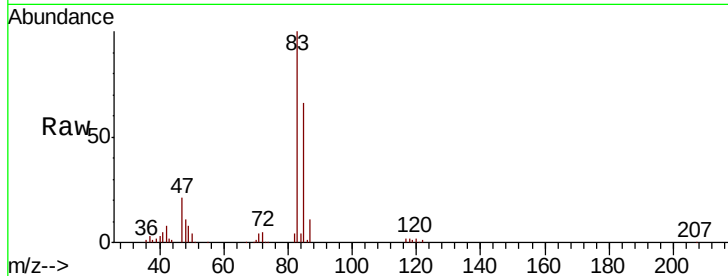
#27
Chloroform
Concen: 4.935 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	156614		
85	65.6	0.0	133.2	

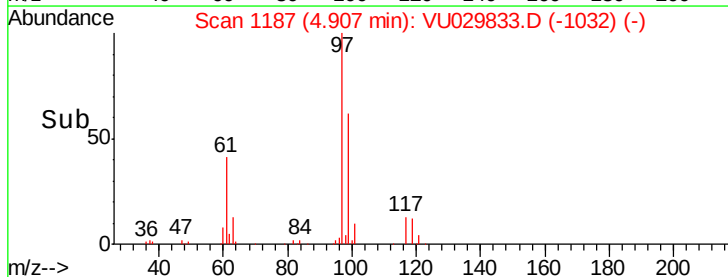
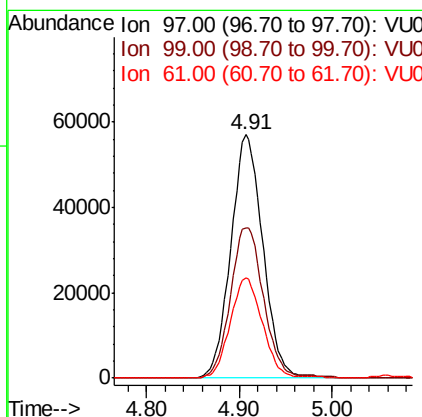
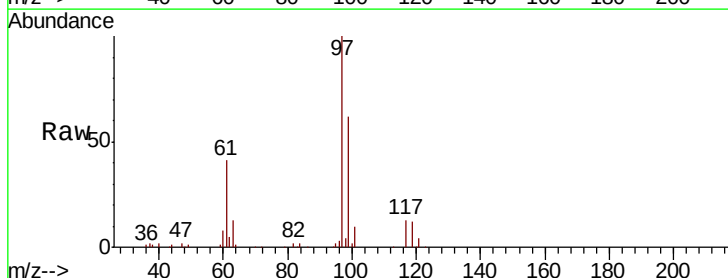
Manual Integrations
APPROVED

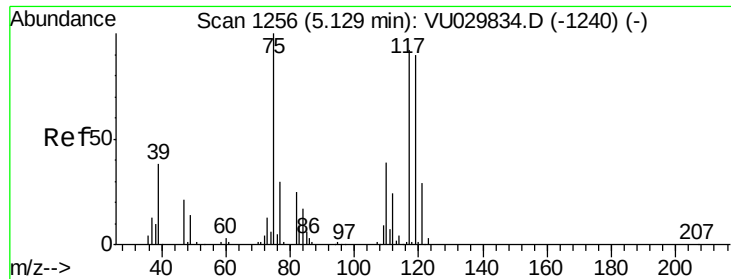
MMDadoda
3/11/2019 4:50:08 PM



#28
1,1,1-Trichloroethane
Concen: 5.074 ug/l
RT: 4.91 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	136538		
99	64.4	31.9	95.9	
61	41.2	20.4	61.3	





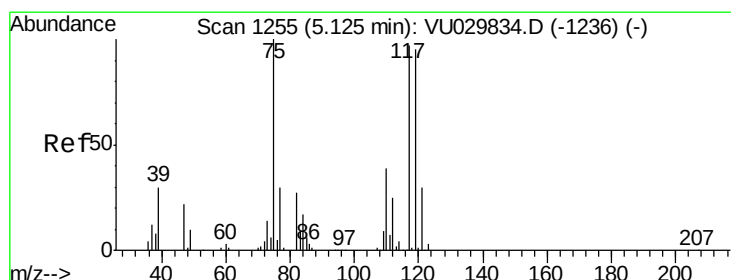
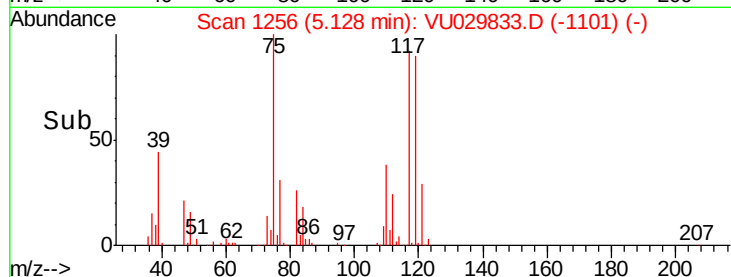
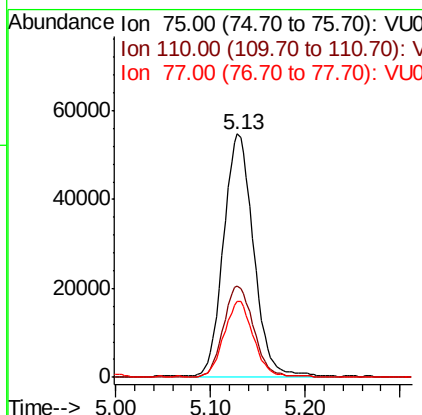
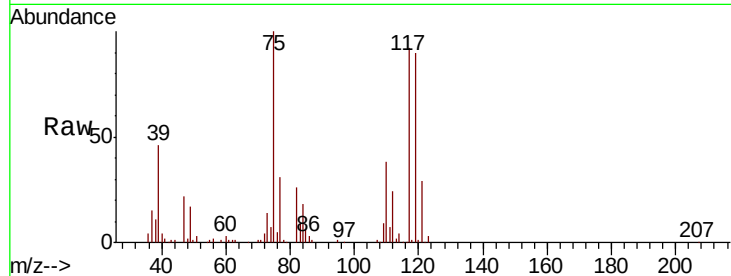
#29
1,1-Dichloropropene
Concen: 5.018 ug/l
RT: 5.13 min Scan# 1256
Delta R.T. -0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	119985		
110	38.3	19.1	57.5	
77	30.4	23.9	35.9	

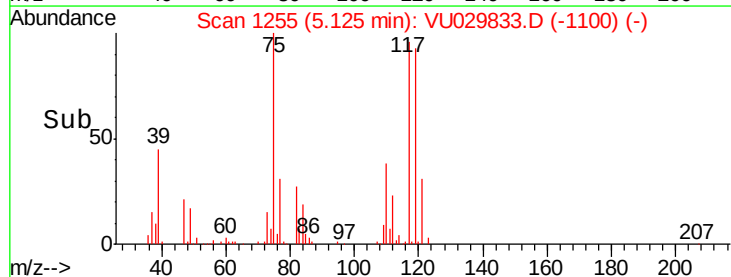
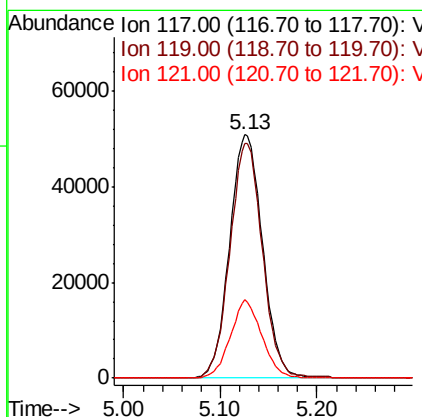
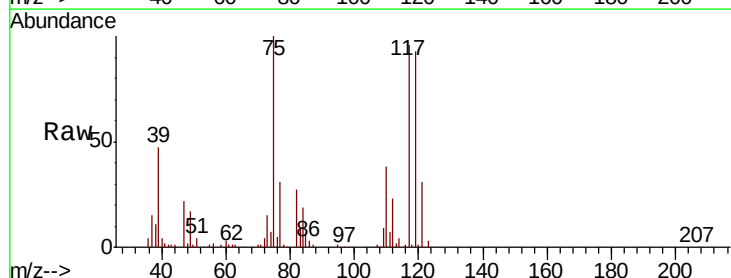
Manual Integrations
APPROVED

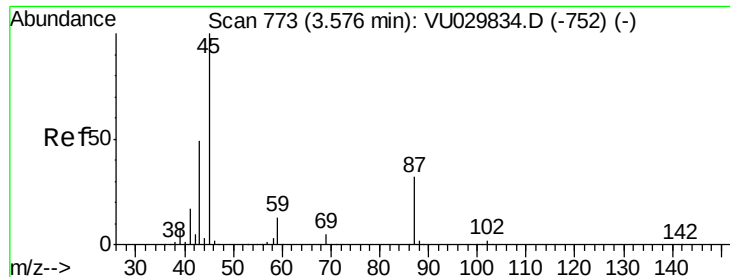
MMDadoda
3/11/2019 4:50:08 PM



#30
Carbon Tetrachloride
Concen: 5.128 ug/l
RT: 5.13 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	120377		
119	96.5	78.4	117.6	
121	32.0	25.0	37.4	





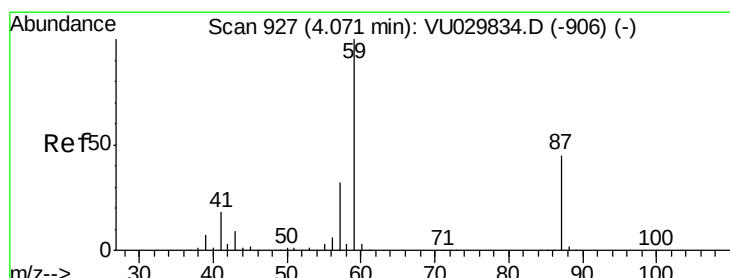
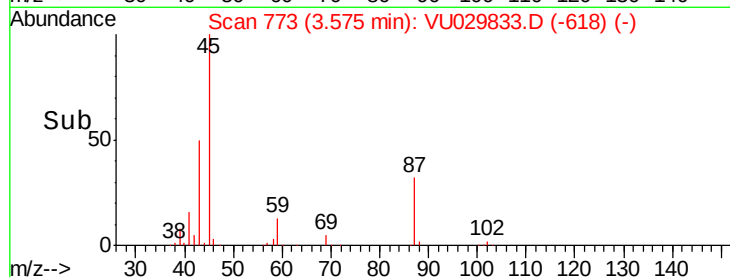
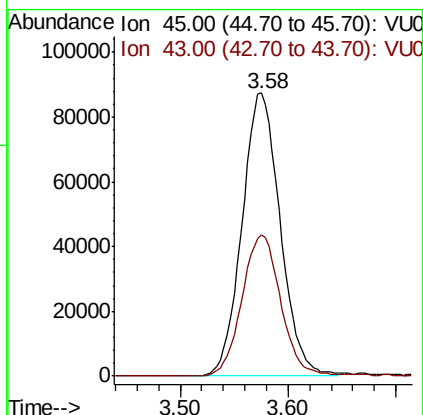
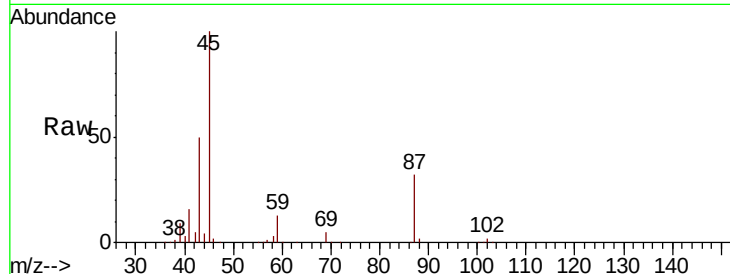
#31
Isopropyl Ether
Concen: 4.975 ug/l
RT: 3.58 min Scan# 773
Delta R.T. -0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion: 45 Resp: 215024
Ion Ratio Lower Upper
45 100
43 50.7 24.3 72.9

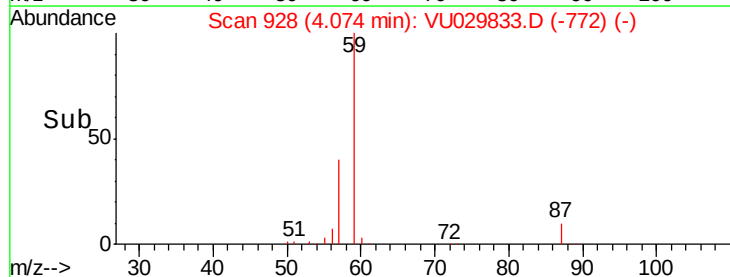
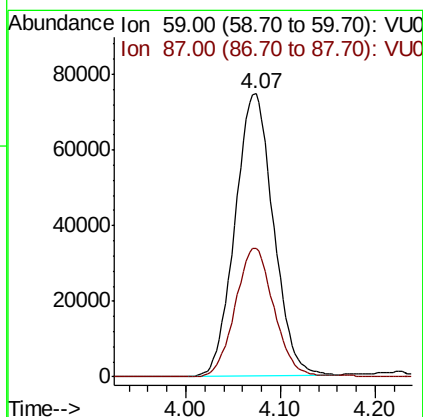
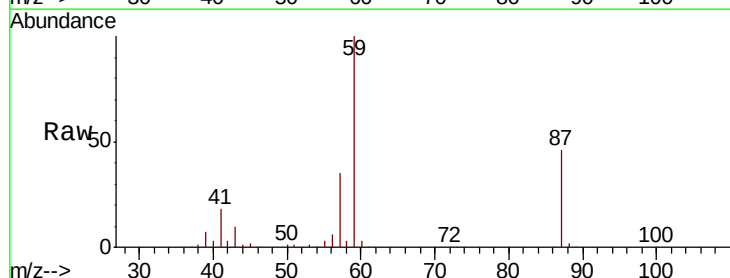
Manual Integrations
APPROVED

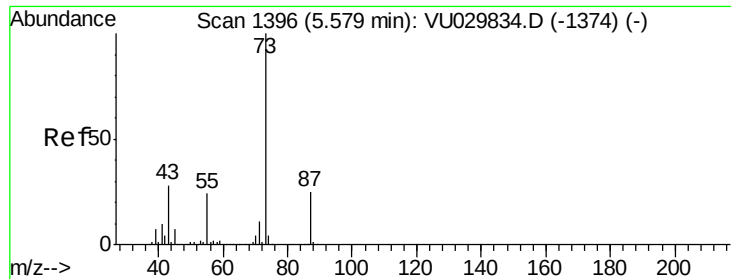
MMDadoda
3/11/2019 4:50:08 PM



#32
Ethyl-t-butyl ether
Concen: 5.009 ug/l
RT: 4.07 min Scan# 928
Delta R.T. 0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

Tgt Ion: 59 Resp: 210463
Ion Ratio Lower Upper
59 100
87 45.5 36.2 54.4





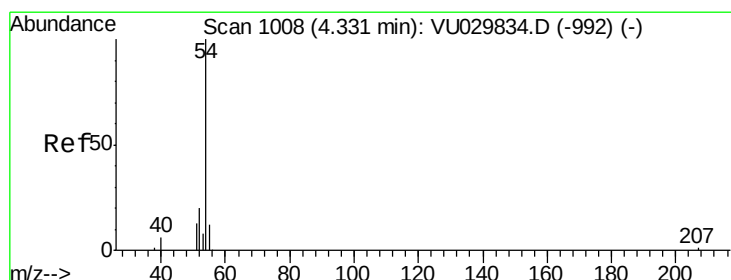
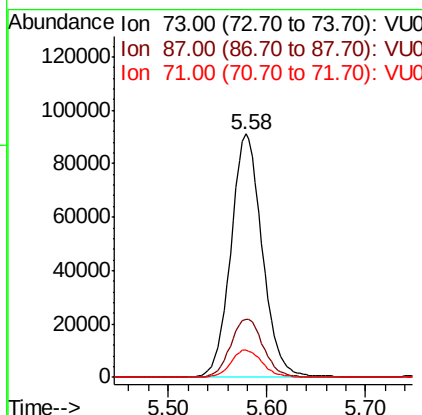
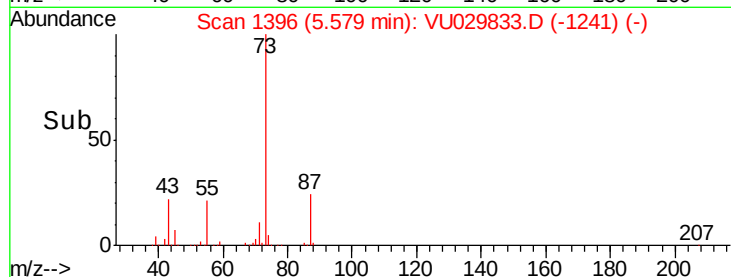
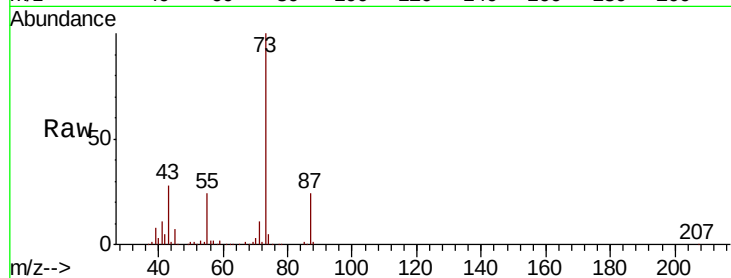
#33
Tert-Amyl methyl ether
Concen: 5.159 ug/l
RT: 5.58 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
73	100		
87	24.8	19.7	29.5
71	11.3	9.4	14.2

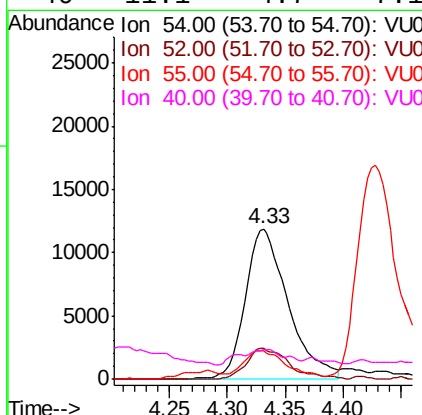
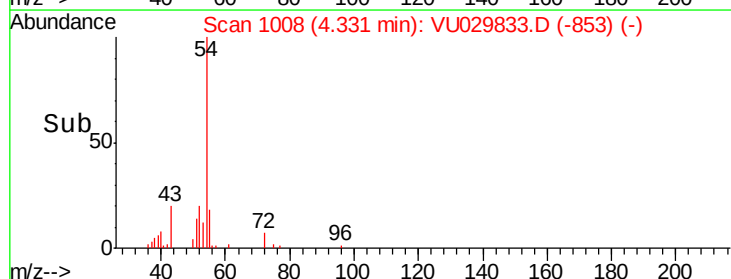
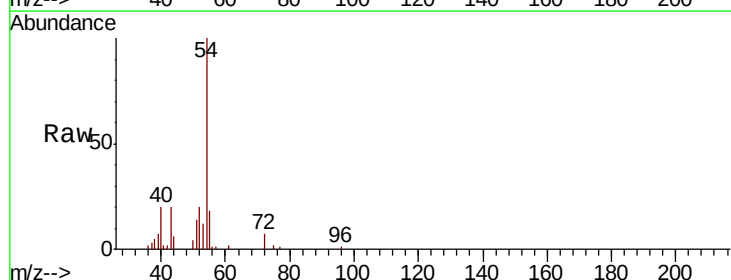
Manual Integrations
APPROVED

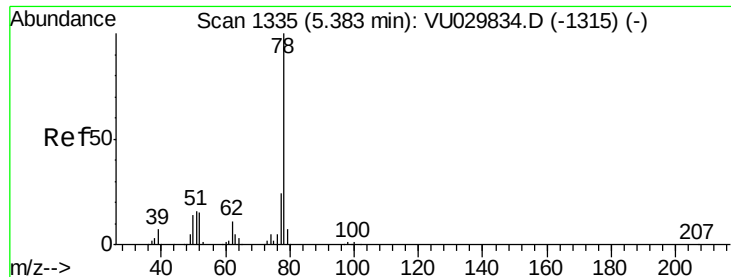
MMDadoda
3/11/2019 4:50:08 PM



#34
Propionitrile
Concen: 25.205 ug/l
RT: 4.33 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

Tgt Ion	Ratio	Lower	Upper
54	100		
52	20.2	16.1	24.1
55	15.7	11.2	16.8
40	11.1	4.7	7.1#





#35

Benzene

Concen: 5.070 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 78 Resp: 357113

Ion Ratio Lower Upper

78 100

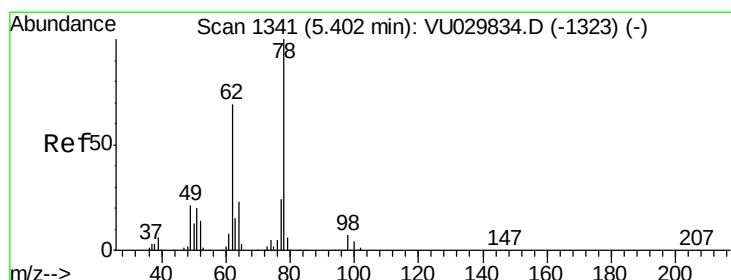
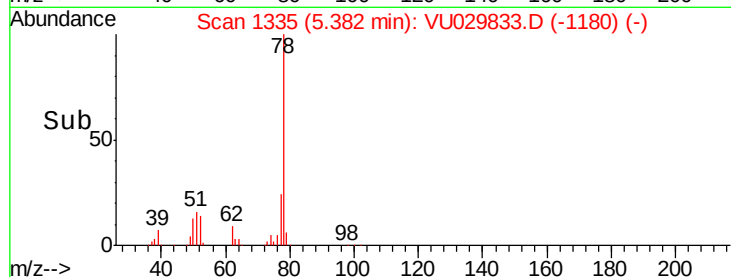
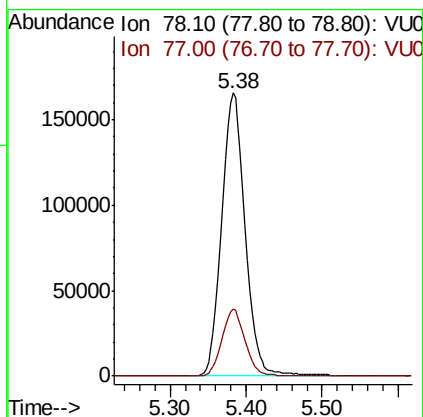
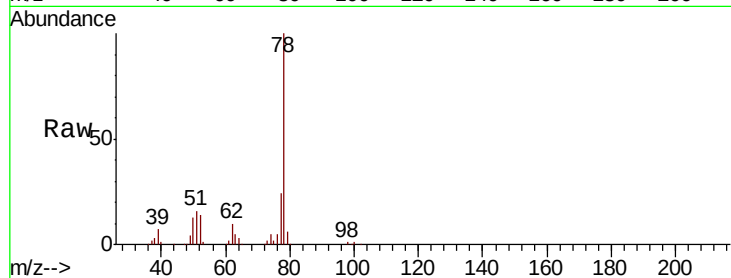
77 23.7 19.2 28.8

Manual Integrations

APPROVED

MMDadoda

3/11/2019 4:50:08 PM



#36

1,2-Dichloroethane

Concen: 4.927 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VU029833.D

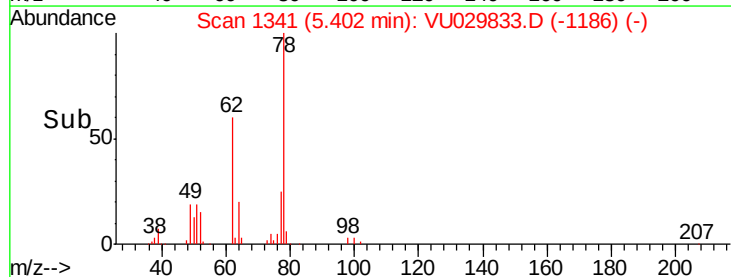
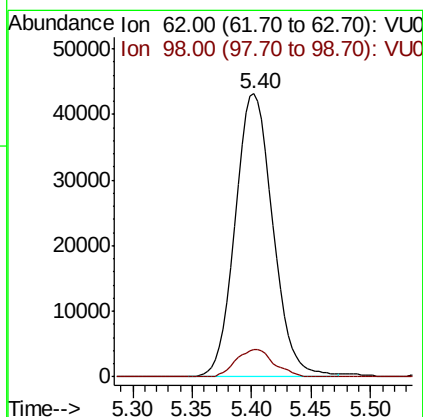
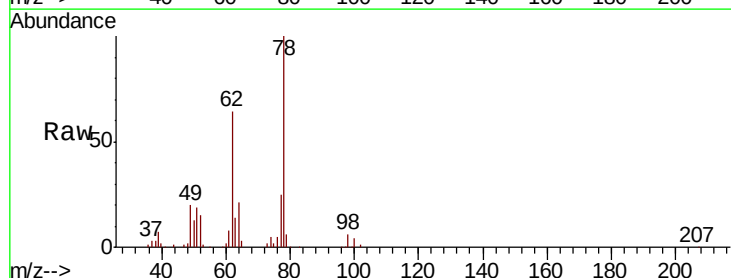
Acq: 06 Mar 2019 10:47

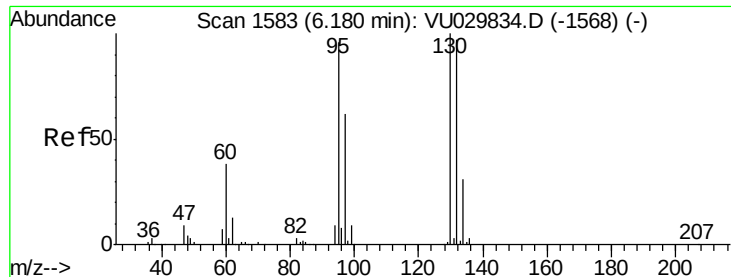
Tgt Ion: 62 Resp: 94781

Ion Ratio Lower Upper

62 100

98 9.8 8.2 12.2





#37

Trichloroethene

Concen: 4.953 ug/l

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion:130 Resp: 101865

Ion Ratio Lower Upper

130 100

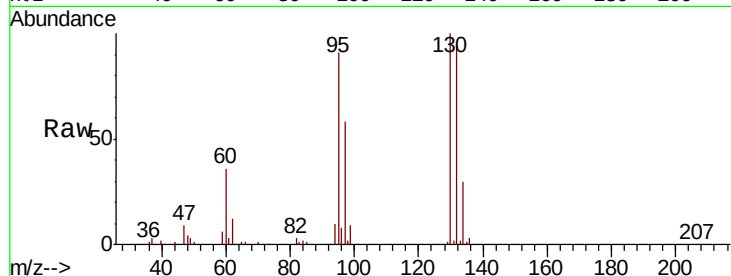
95 91.3 76.6 114.8

Manual Integrations

APPROVED

MMDadoda

3/11/2019 4:50:08 PM

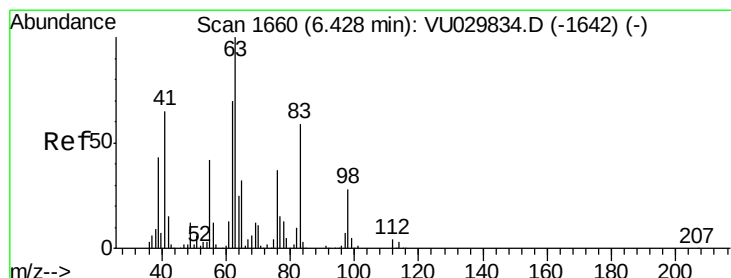
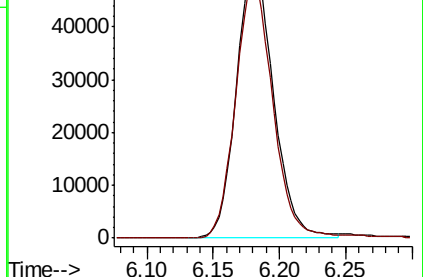
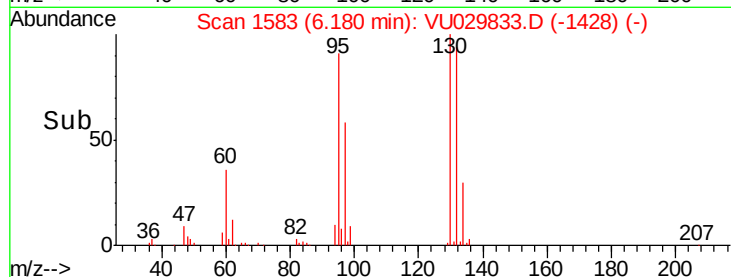


Abundance Ion 129.90 (129.60 to 130.60): VU029833.D (-1428) (-)

Ion 94.90 (94.60 to 95.60): VU029833.D (-1428) (-)

6.18

6.10 6.15 6.20 6.25



#38

1,2-Dichloropropane

Concen: 5.004 ug/l

RT: 6.43 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VU029833.D

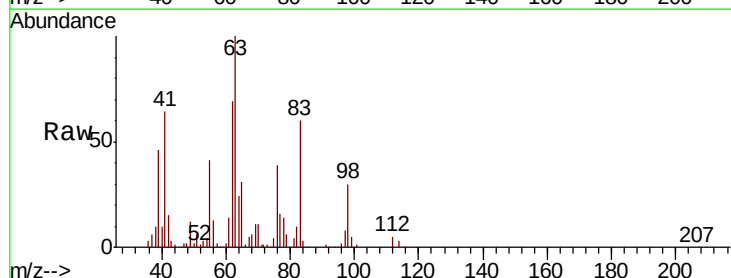
Acq: 06 Mar 2019 10:47

Tgt Ion: 63 Resp: 89216

Ion Ratio Lower Upper

63 100

65 30.8 25.4 38.2

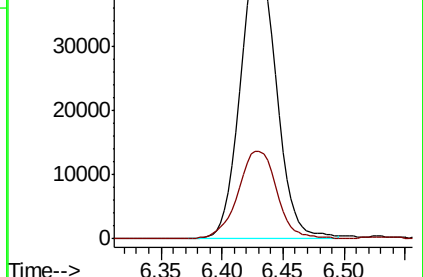
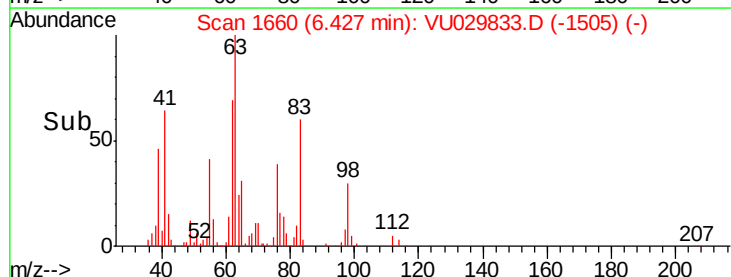


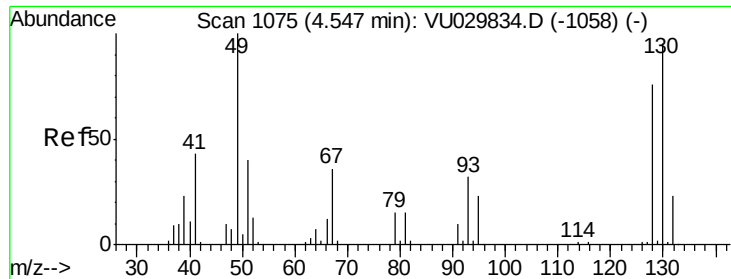
Abundance Ion 63.00 (62.70 to 63.70): VU029833.D (-1505) (-)

Ion 65.00 (64.70 to 65.70): VU029833.D (-1505) (-)

6.43

6.35 6.40 6.45 6.50





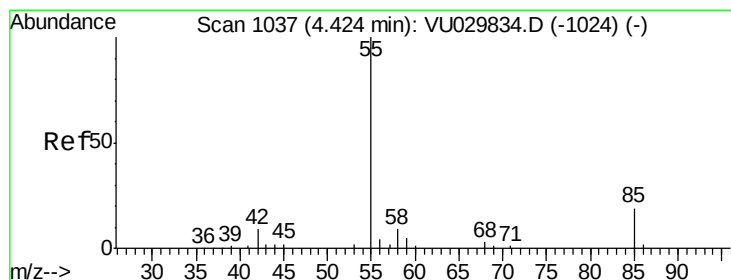
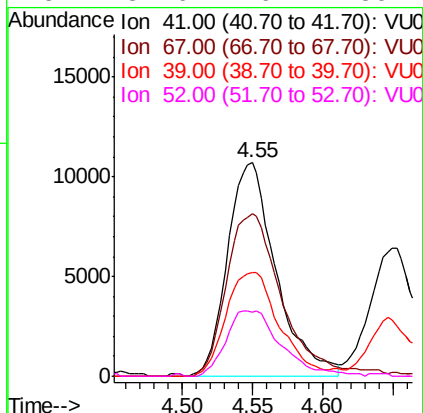
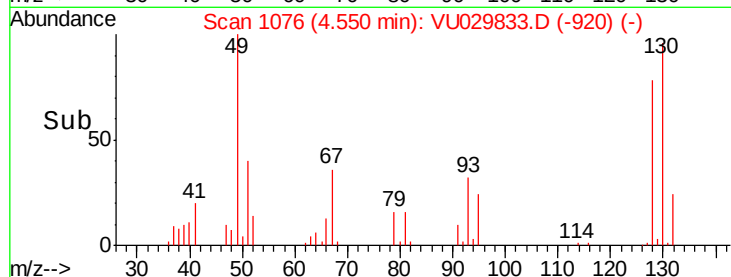
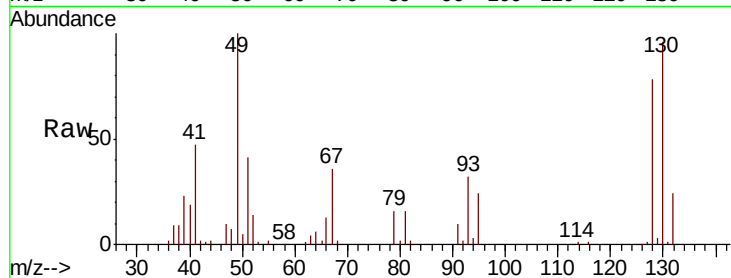
#39
Methacrylonitrile
Concen: 5.075 ug/l
RT: 4.55 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
41	100		
67	86.0	68.4	102.6
39	52.7	42.6	63.8
52	34.6	26.2	39.4

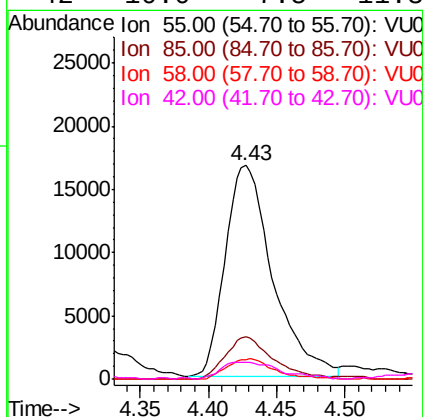
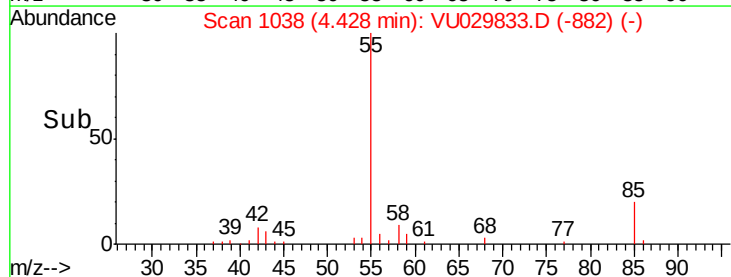
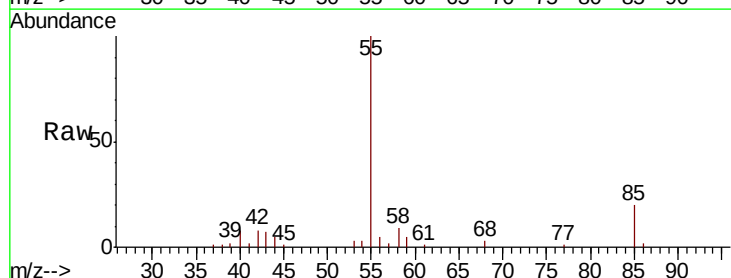
Manual Integrations
APPROVED

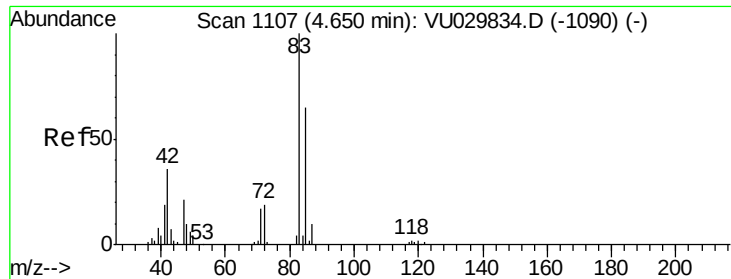
MMDadoda
3/11/2019 4:50:08 PM



#40
Methyl acrylate
Concen: 5.028 ug/l
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

Tgt Ion	Ratio	Lower	Upper
55	100		
85	19.8	15.2	22.8
58	9.4	7.6	11.4
42	10.0	7.5	11.3





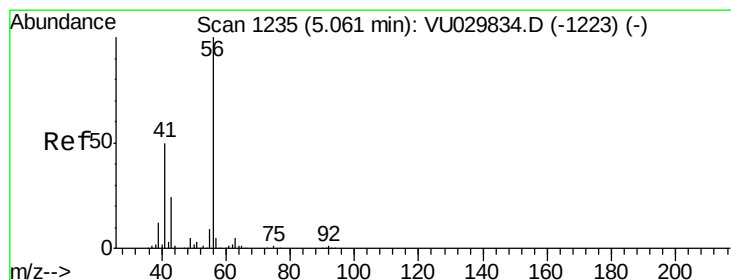
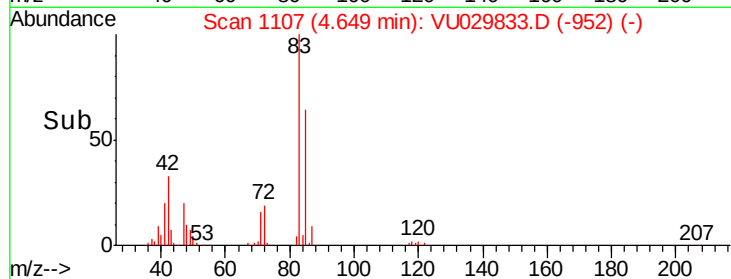
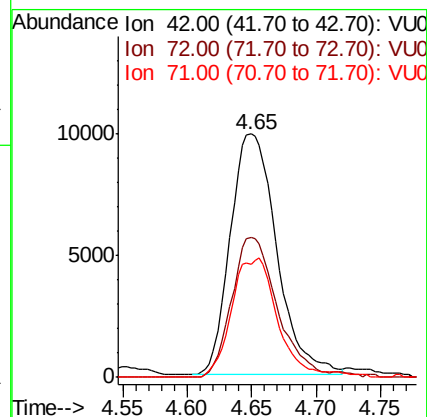
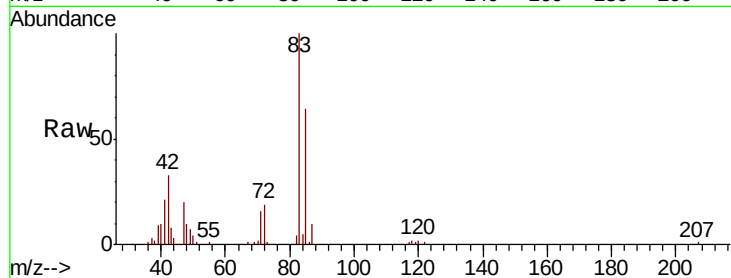
#41
Tetrahydrofuran
Concen: 9.276 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
42	100		
72	56.9	43.6	65.4
71	48.4	37.5	56.3

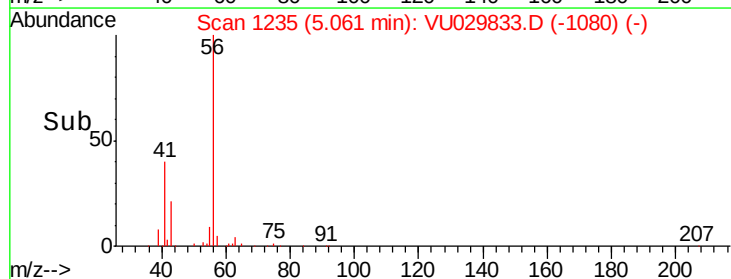
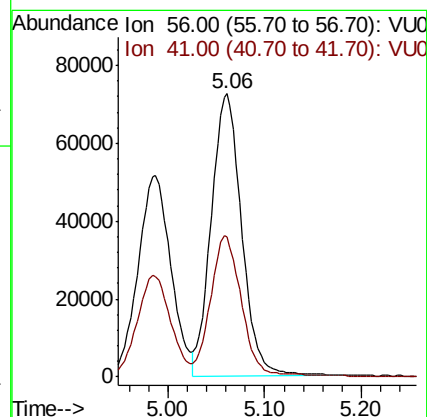
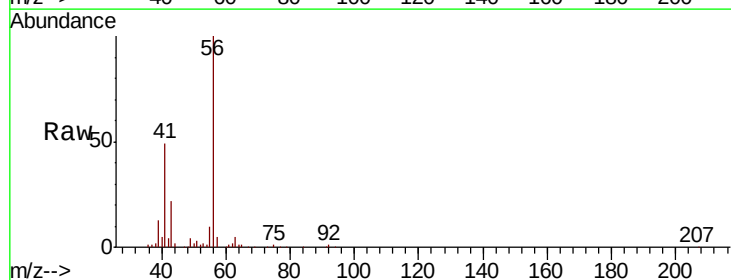
Manual Integrations
APPROVED

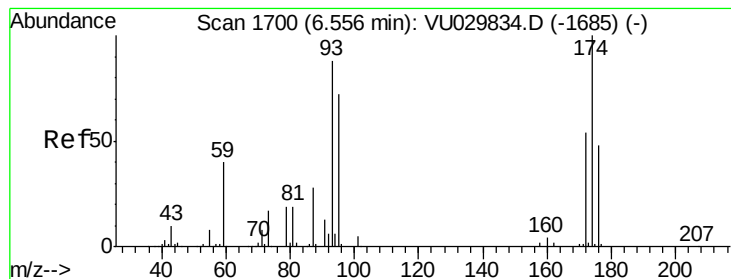
MMDadoda
3/11/2019 4:50:08 PM



#42
1-Chlorobutane
Concen: 5.194 ug/l
RT: 5.06 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

Tgt Ion	Ratio	Lower	Upper
56	100		
41	50.0	25.0	75.0





#43

Dibromomethane

Concen: 5.132 ug/l

RT: 6.56 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Instrument :

MSVOA_U

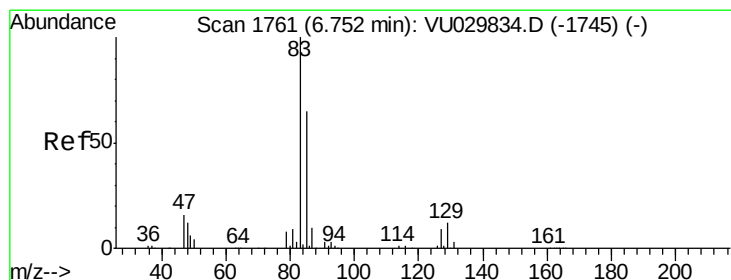
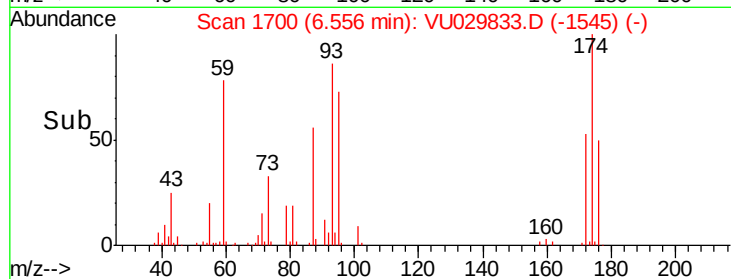
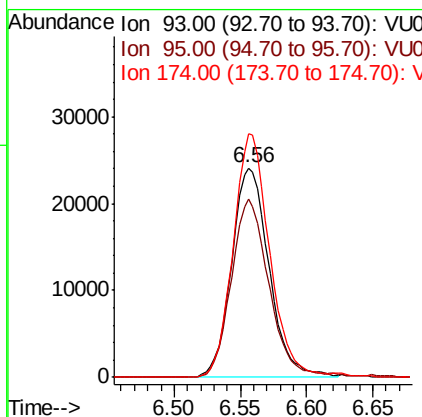
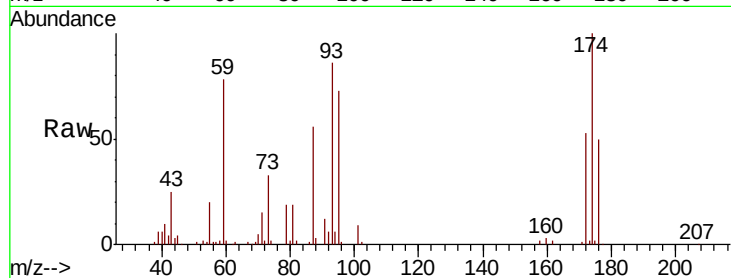
ClientSampleId :

VSTDIC005

Tgt Ion:	93	Resp:	47422
Ion	Ratio	Lower	Upper
93	100		
95	84.7	67.0	100.6
174	112.4	91.4	137.2

Manual Integrations
APPROVED

MMDadoda
3/11/2019 4:50:08 PM



#44

Bromodichloromethane

Concen: 5.007 ug/l

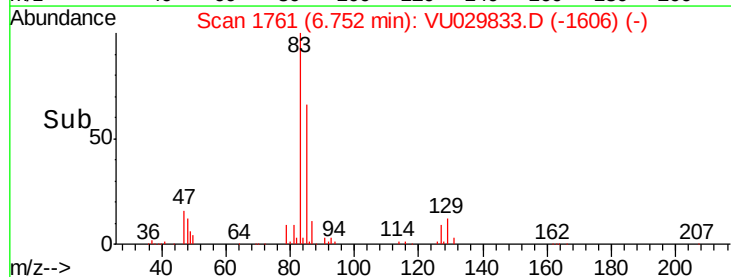
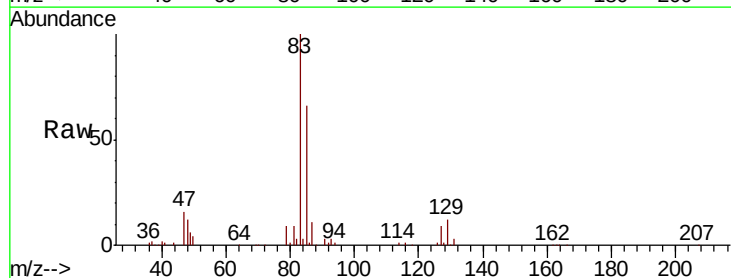
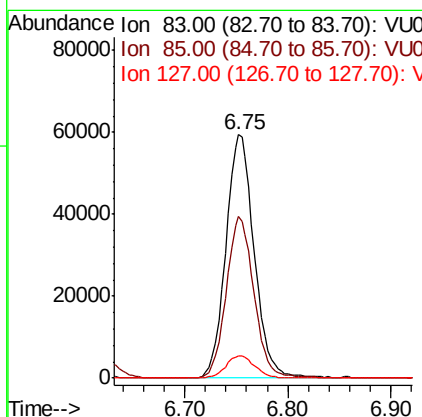
RT: 6.75 min Scan# 1761

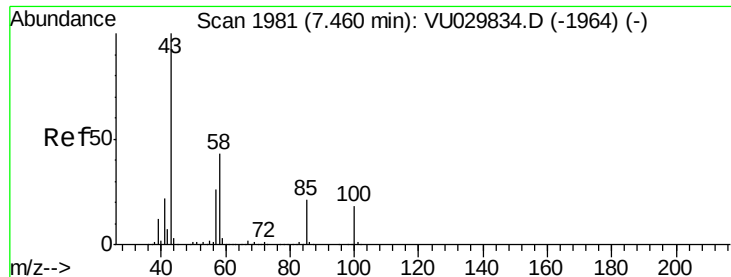
Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Tgt Ion:	83	Resp:	113625
Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.7	77.5
127	9.2	7.4	11.2





#45

4-Methyl-2-Pentanone

Concen: 25.774 ug/l

RT: 7.46 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Instrument :

MSVOA_U

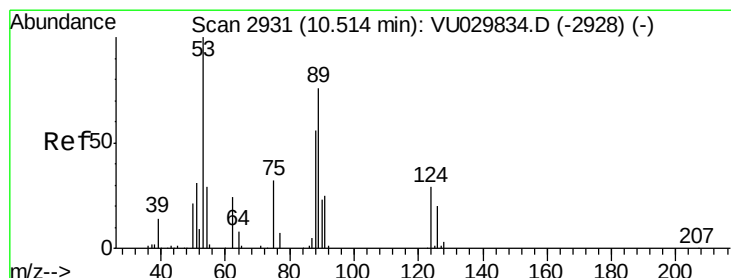
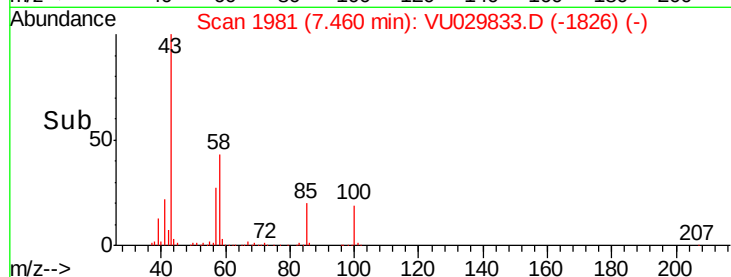
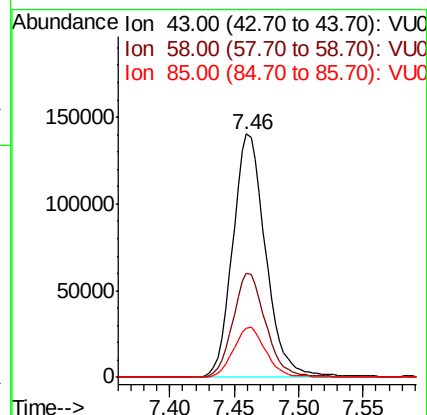
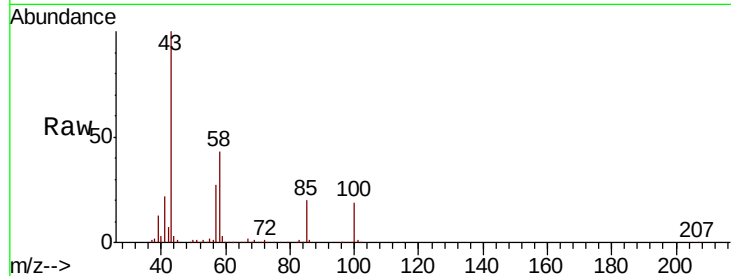
ClientSampleId :

VSTDIC005

Tgt Ion:	43	Resp:	248401
Ion	Ratio	Lower	Upper
43	100		
58	42.9	21.6	65.0
85	20.4	16.5	24.7

Manual Integrations
APPROVED

MMDadoda
3/11/2019 4:50:08 PM



#46

t-1,4-Dichloro-2-butene

Concen: 10.304 ug/l m

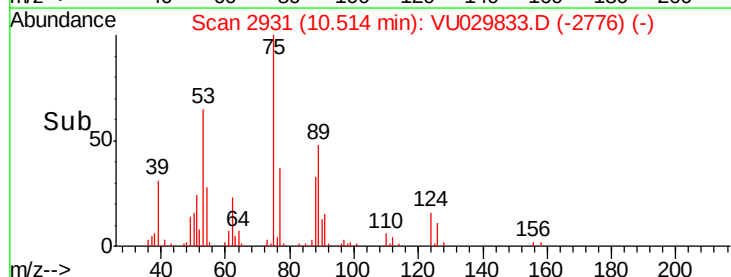
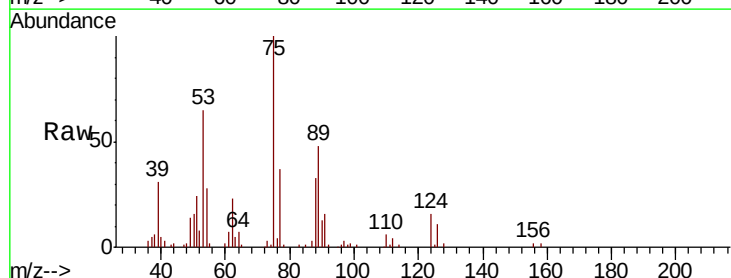
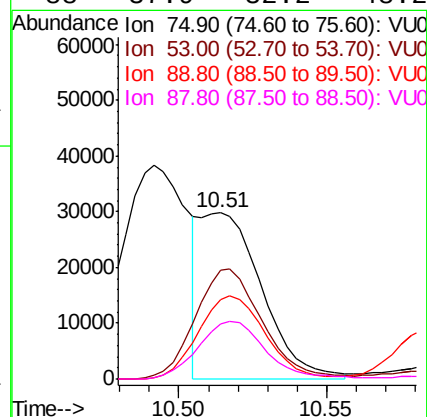
RT: 10.51 min Scan# 2931

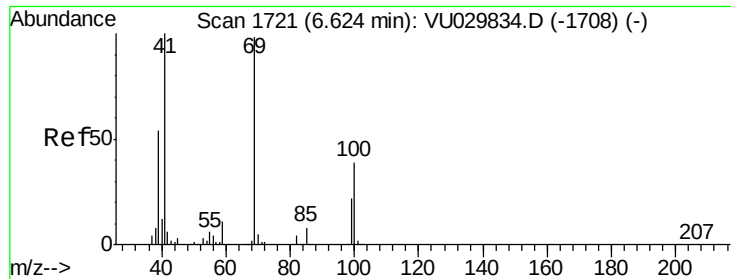
Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Tgt Ion:	75	Resp:	43227
Ion	Ratio	Lower	Upper
75	100		
53	72.0	59.2	88.8
89	54.2	44.9	67.3
88	37.9	32.2	48.2





#47

Methyl methacrylate

Concen: 10.349 ug/l

RT: 6.62 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Instrument :

MSVOA_U

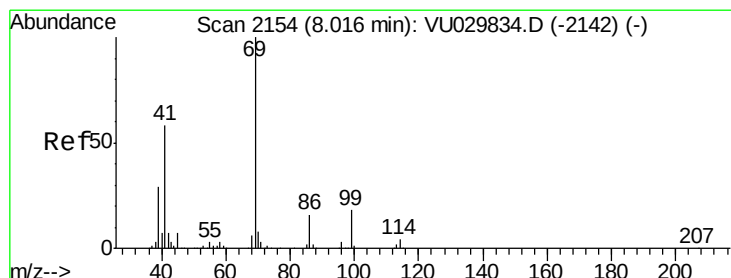
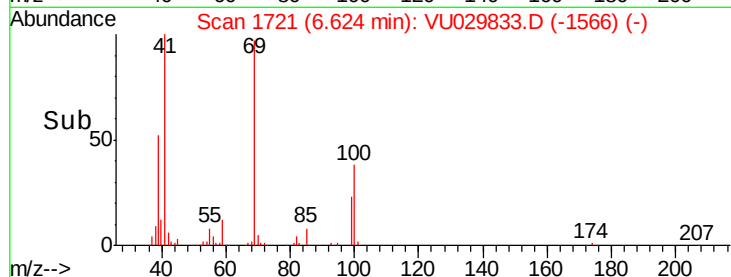
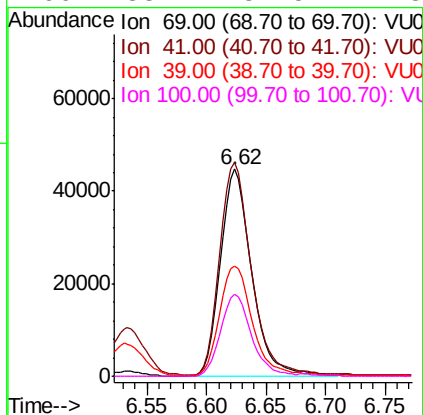
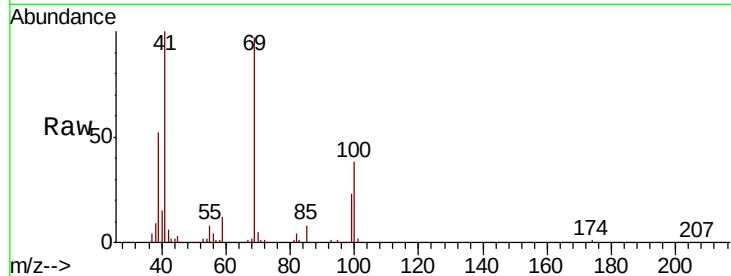
ClientSampleId :

VSTDIC005

Tgt Ion:	69	Resp:	82063
Ion	Ratio	Lower	Upper
69	100		
41	102.8	0.0	201.0
39	55.1	43.3	64.9
100	38.7	31.5	47.3

Manual Integrations
APPROVED

MMDadoda
3/11/2019 4:50:08 PM



#48

Ethyl methacrylate

Concen: 5.299 ug/l

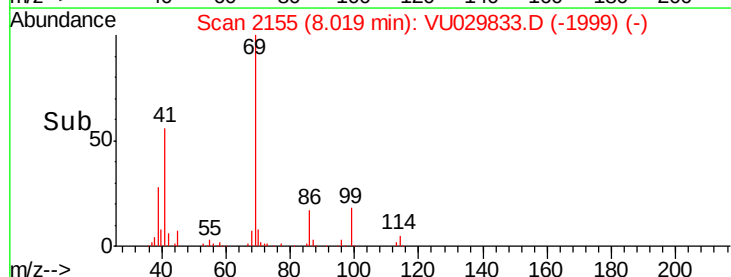
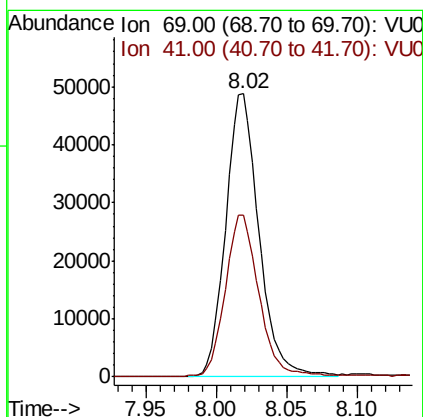
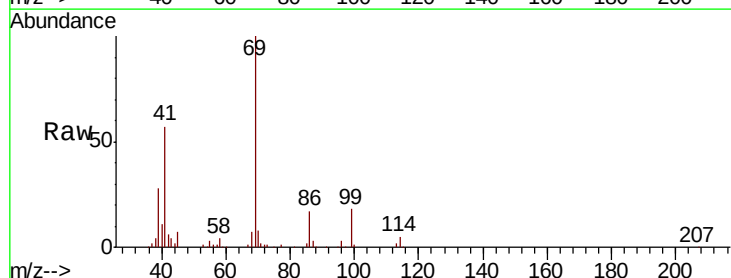
RT: 8.02 min Scan# 2155

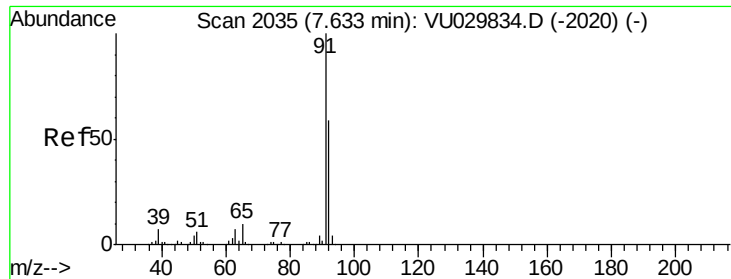
Delta R.T. 0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Tgt Ion:	69	Resp:	80506
Ion	Ratio	Lower	Upper
69	100		
41	58.0	29.0	87.1





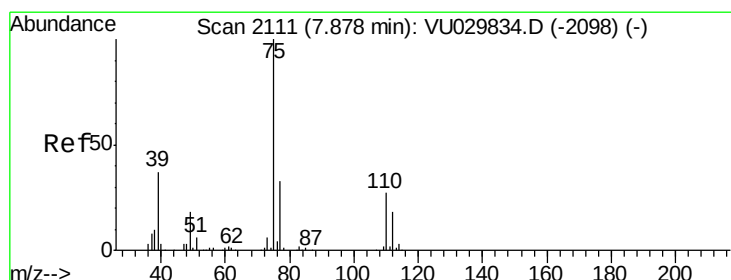
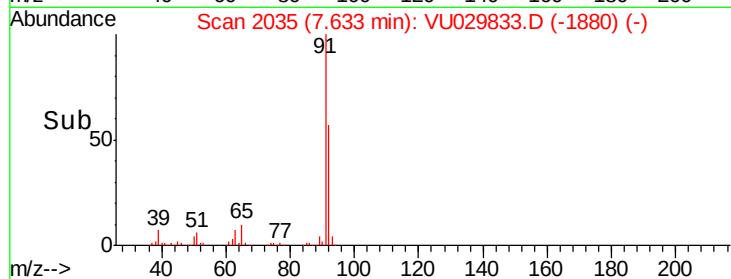
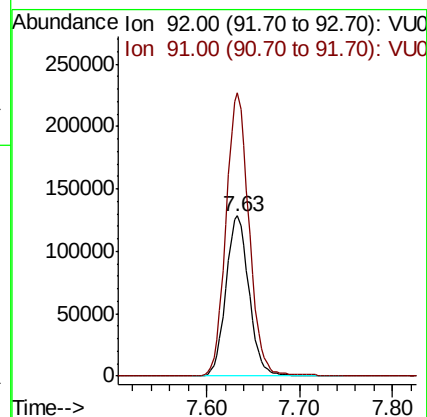
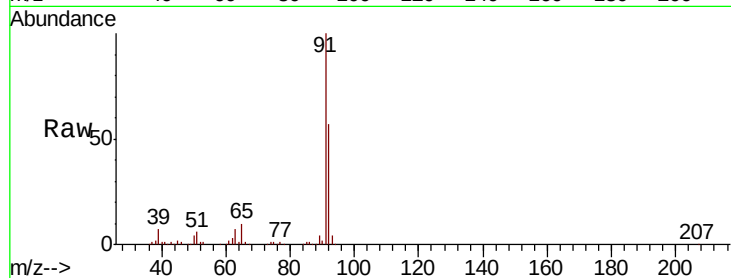
#49
Toluene
Concen: 5.139 ug/l
RT: 7.63 min Scan# 2035
Delta R.T. -0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

Instrument :
MSVOA_U
ClientSampled :
VSTDIC005

Tgt Ion: 92 Resp: 222317
Ion Ratio Lower Upper
92 100
91 176.7 137.8 206.8

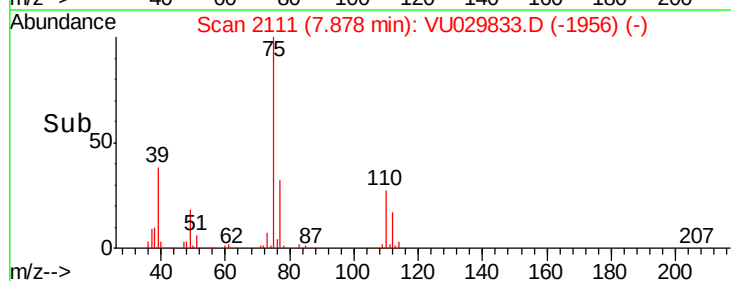
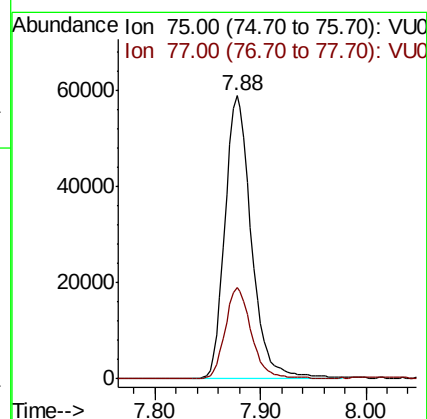
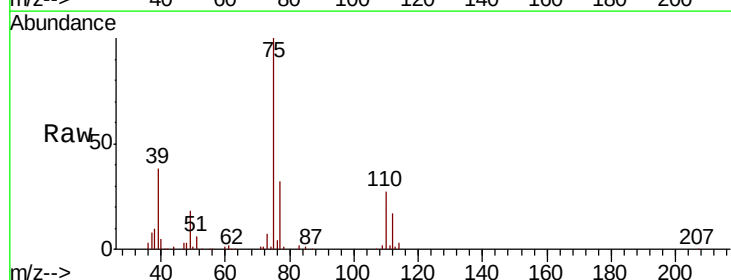
Manual Integrations
APPROVED

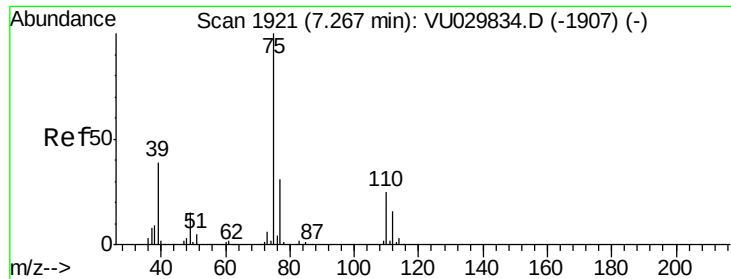
MMDadoda
3/11/2019 4:50:08 PM



#50
t-1,3-Dichloropropene
Concen: 5.151 ug/l
RT: 7.88 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

Tgt Ion: 75 Resp: 102449
Ion Ratio Lower Upper
75 100
77 32.1 26.4 39.6





#51

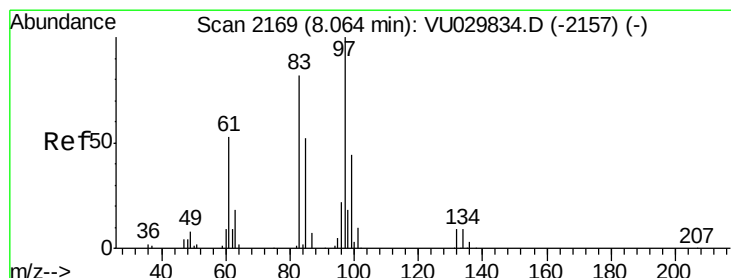
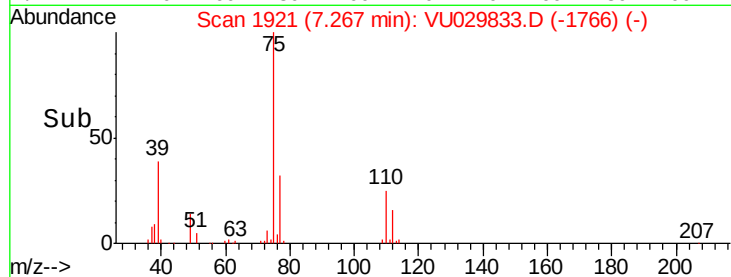
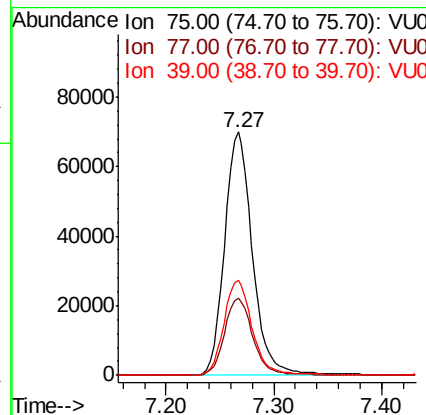
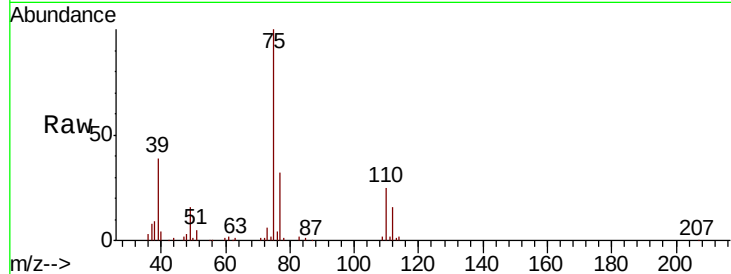
cis-1,3-Dichloropropene
 Concen: 5.084 ug/l
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU029833.D
 Acq: 06 Mar 2019 10:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion:	75	Resp:	125185
Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.9	37.3
39	38.9	30.8	46.2

Manual Integrations
 APPROVED

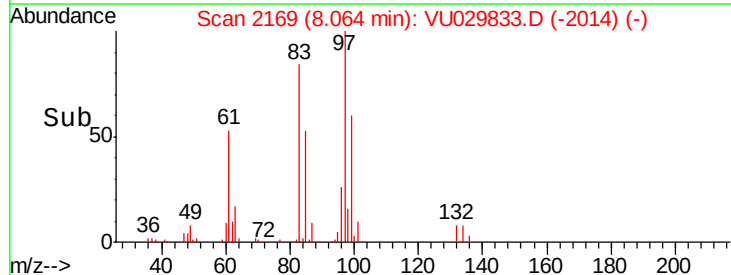
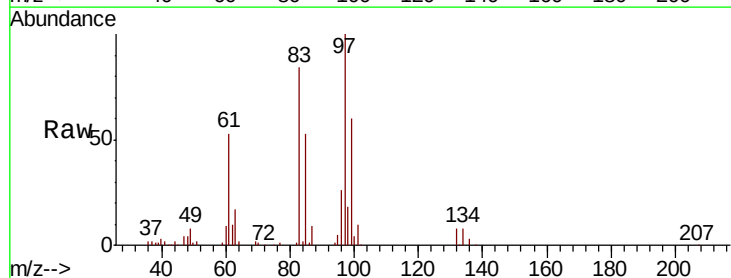
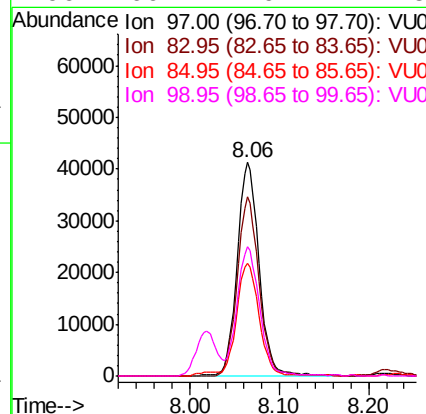
MMDadoda
 3/11/2019 4:50:08 PM

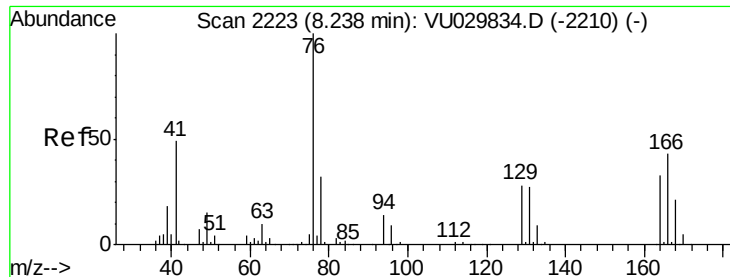


#52

1,1,2-Trichloroethane
 Concen: 5.137 ug/l
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU029833.D
 Acq: 06 Mar 2019 10:47

Tgt Ion:	97	Resp:	70267
Ion	Ratio	Lower	Upper
97	100		
83	84.0	65.9	98.9
85	52.9	43.0	64.6
99	60.4	49.7	74.5





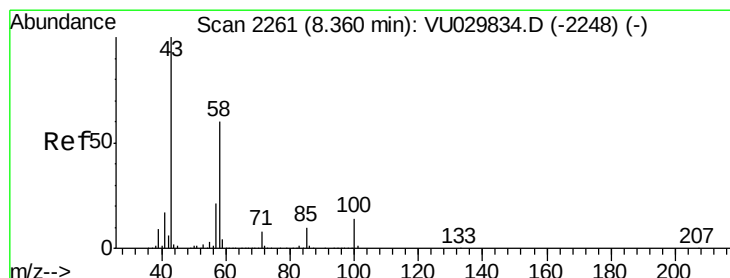
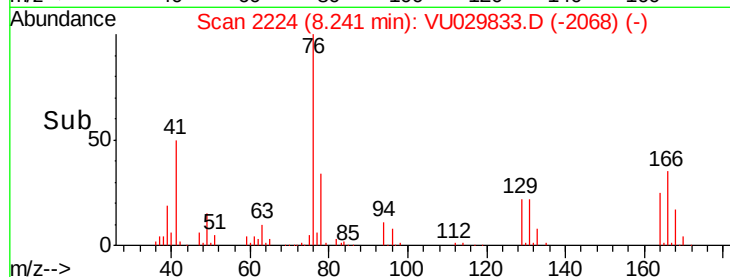
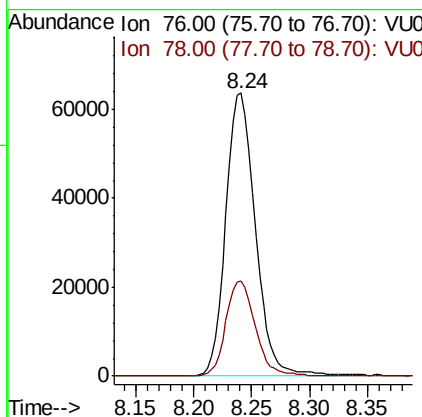
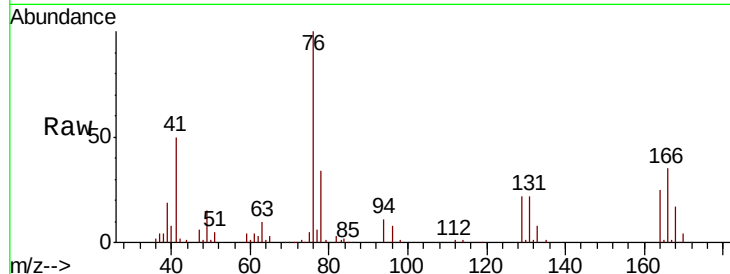
#53
 1,3-Dichloropropane
 Concen: 5.036 ug/l
 RT: 8.24 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VU029833.D
 Acq: 06 Mar 2019 10:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion: 76 Resp: 112987
 Ion Ratio Lower Upper
 76 100
 78 33.5 25.7 38.5

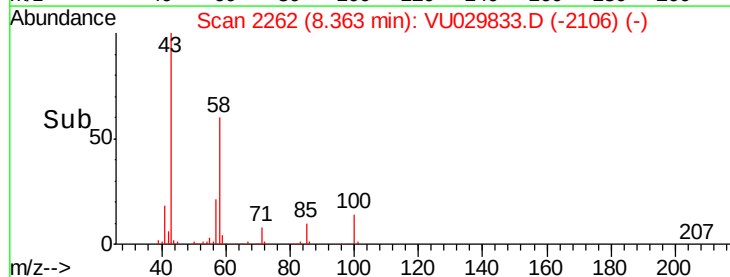
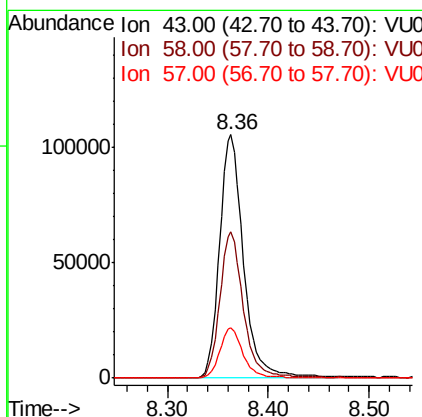
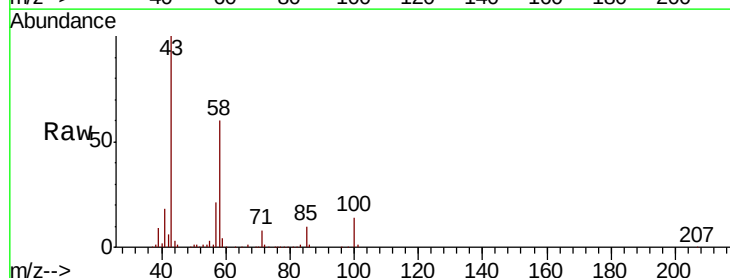
Manual Integrations
 APPROVED

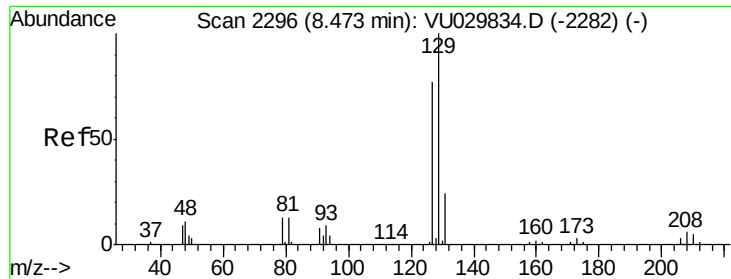
MMDadoda
 3/11/2019 4:50:08 PM



#54
 2-Hexanone
 Concen: 26.210 ug/l
 RT: 8.36 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VU029833.D
 Acq: 06 Mar 2019 10:47

Tgt Ion: 43 Resp: 175438
 Ion Ratio Lower Upper
 43 100
 58 58.6 39.6 79.6
 57 20.3 0.5 40.5





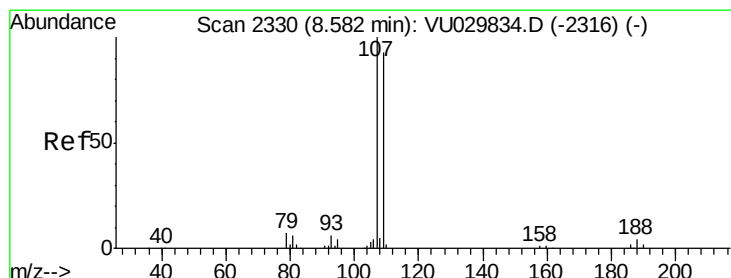
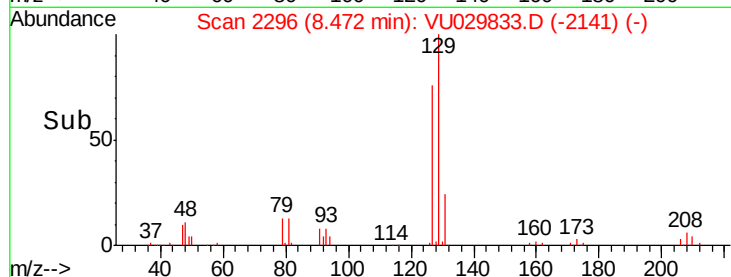
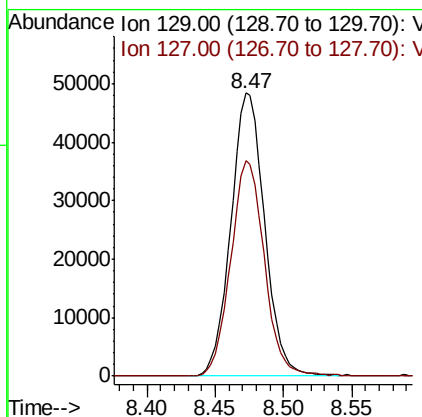
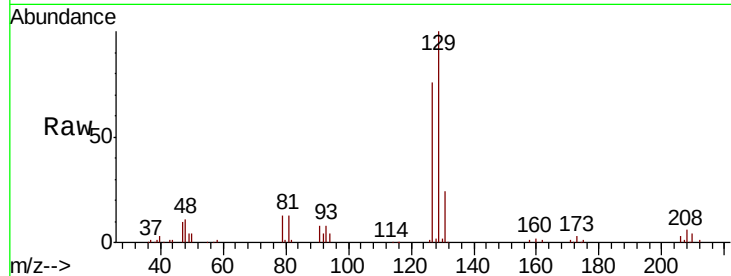
#55
 Dibromochloromethane
 Concen: 5.123 ug/l
 RT: 8.47 min Scan# 2296
 Delta R.T. -0.00 min
 Lab File: VU029833.D
 Acq: 06 Mar 2019 10:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion:129 Resp: 83165
 Ion Ratio Lower Upper
 129 100
 127 76.1 61.6 92.4

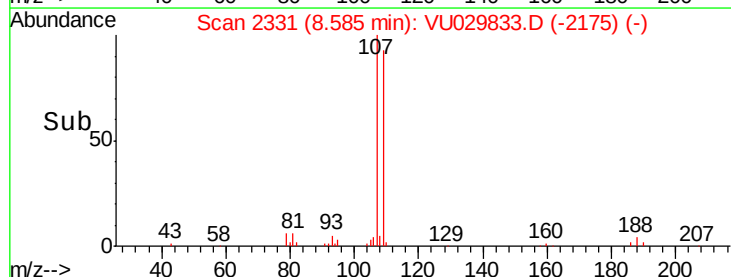
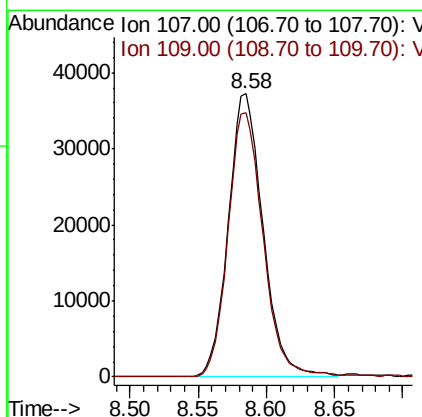
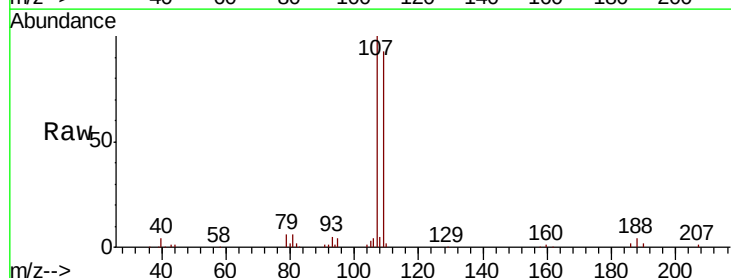
Manual Integrations
 APPROVED

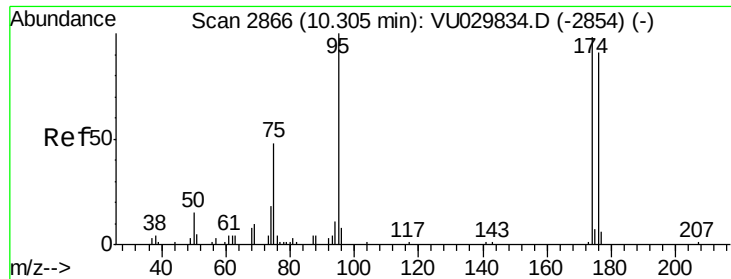
MMDadoda
 3/11/2019 4:50:08 PM



#56
 1,2-Dibromoethane
 Concen: 5.087 ug/l
 RT: 8.58 min Scan# 2331
 Delta R.T. 0.00 min
 Lab File: VU029833.D
 Acq: 06 Mar 2019 10:47

Tgt Ion:107 Resp: 65972
 Ion Ratio Lower Upper
 107 100
 109 93.9 0.0 188.4





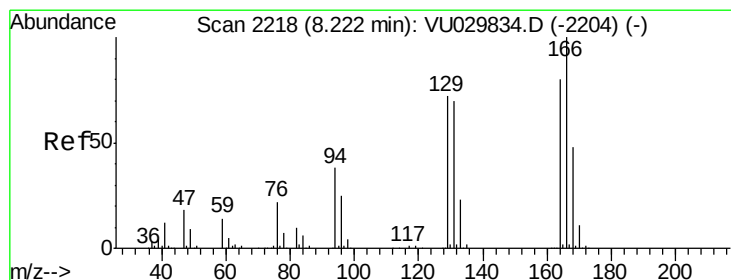
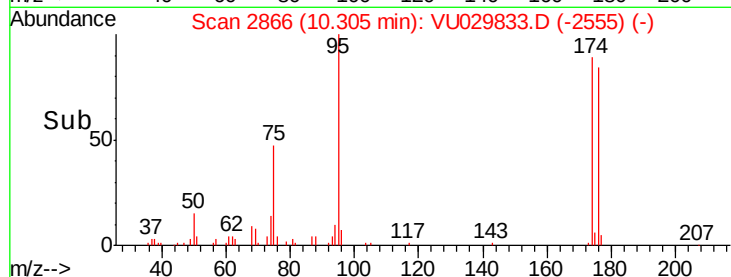
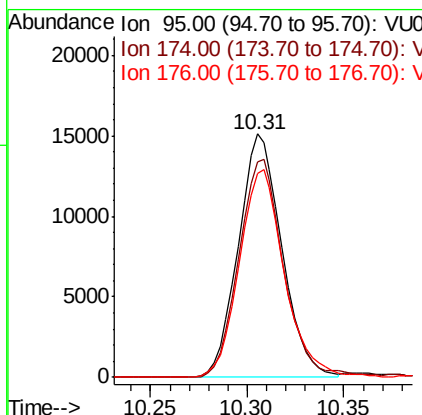
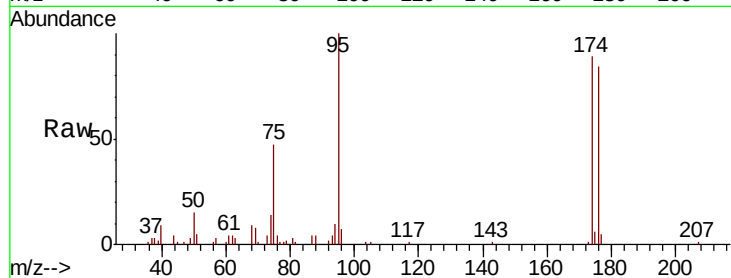
#57
4-Bromofluorobenzene
Concen: 5.087 ug/l
RT: 10.31 min Scan# 2866
Delta R.T. -0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.2	76.5	114.7
176	88.7	74.2	111.2

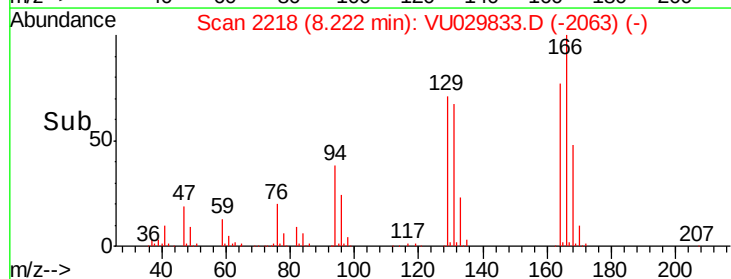
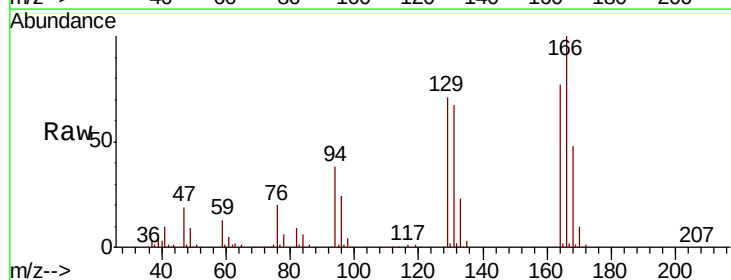
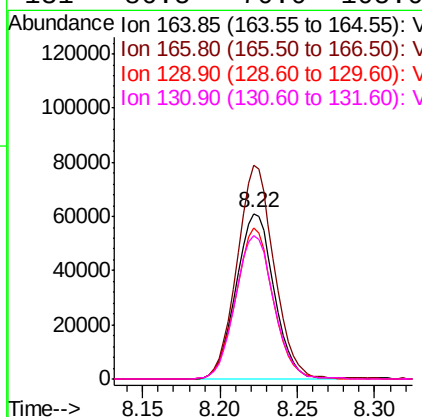
Manual Integrations
APPROVED

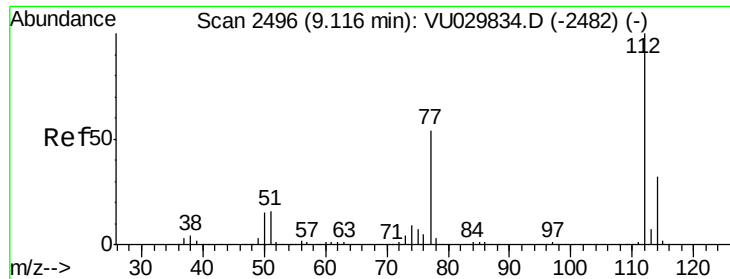
MMDadoda
3/11/2019 4:50:08 PM



#58
Tetrachloroethene
Concen: 4.953 ug/l
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.2	100.5	150.7
129	91.2	72.3	108.5
131	86.5	70.0	105.0





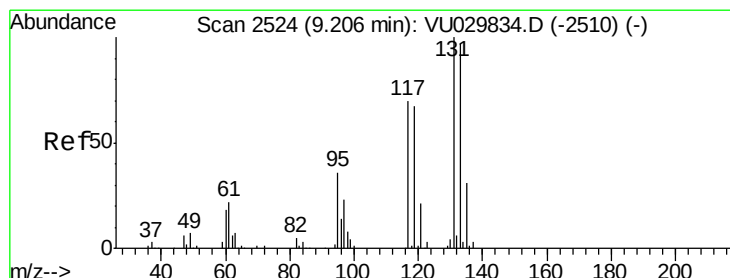
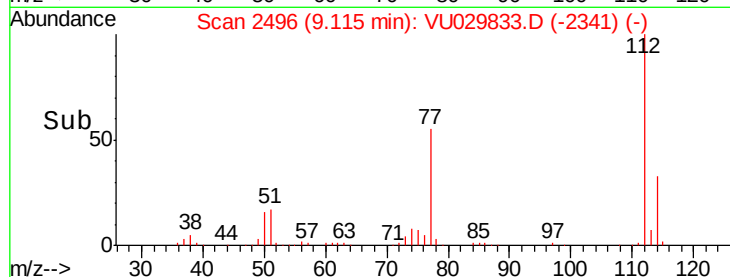
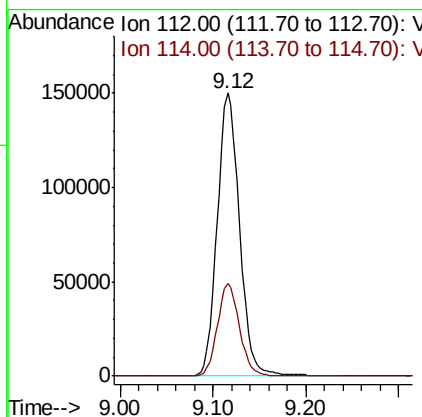
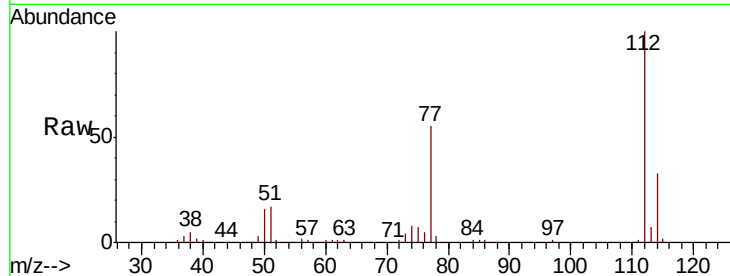
#59
Chlorobenzene
Concen: 5.048 ug/l
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion:112 Resp: 250973
Ion Ratio Lower Upper
112 100
114 32.7 25.4 38.2

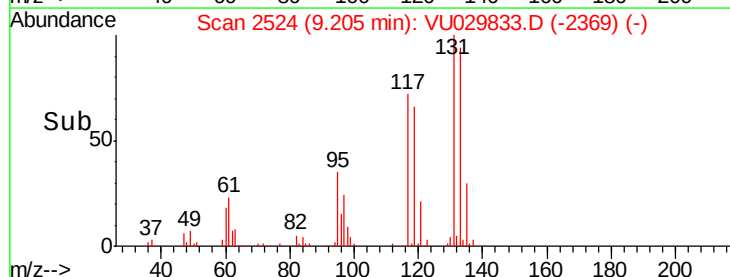
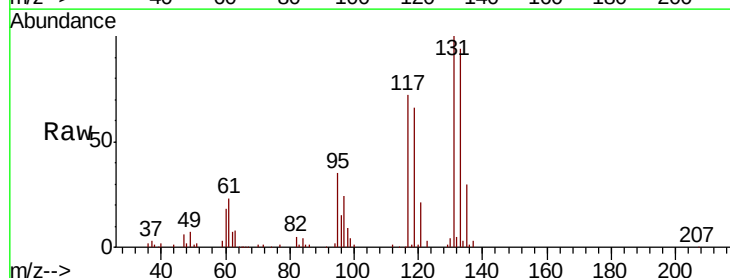
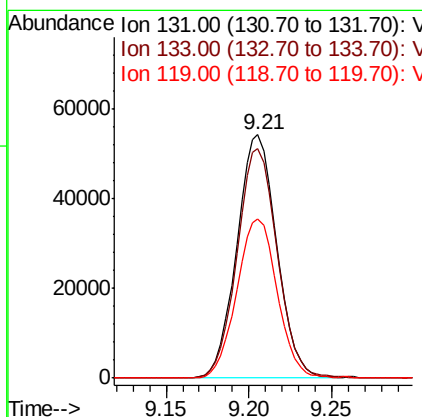
Manual Integrations
APPROVED

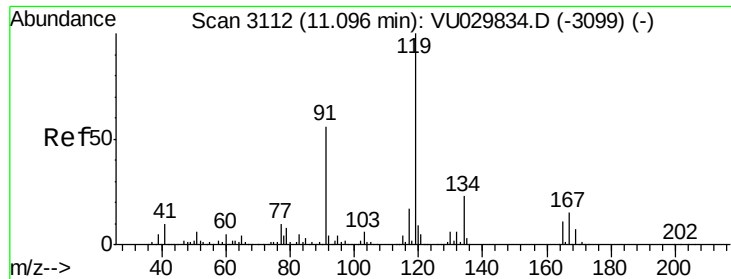
MMDadoda
3/11/2019 4:50:08 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 5.083 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. -0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

Tgt Ion:131 Resp: 90645
Ion Ratio Lower Upper
131 100
133 95.6 76.4 114.6
119 66.2 54.2 81.4





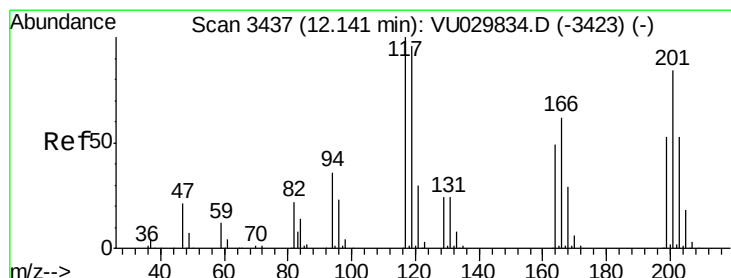
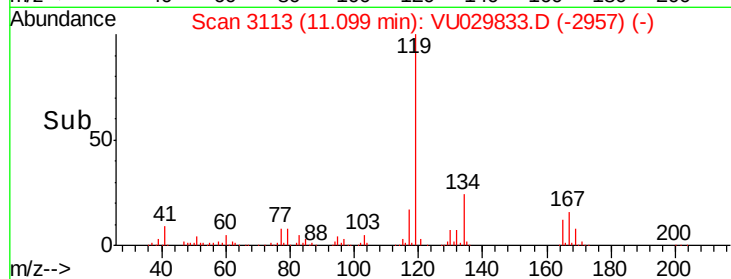
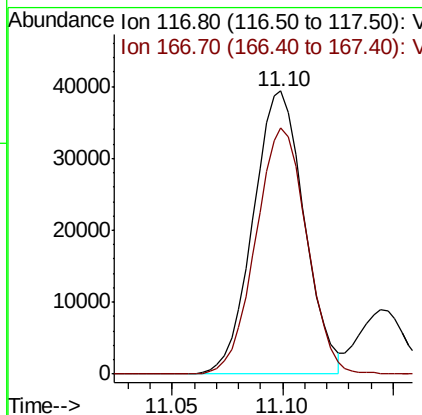
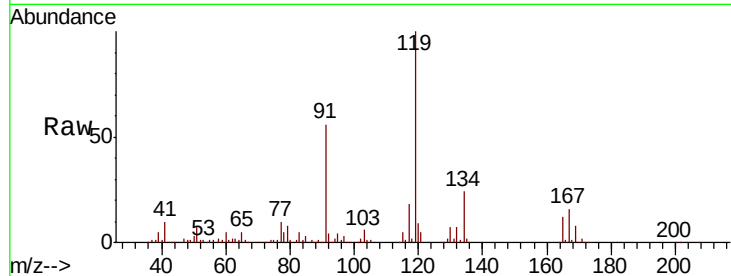
#61
 Pentachloroethane
 Concen: 5.085 ug/l
 RT: 11.10 min Scan# 3113
 Delta R.T. 0.00 min
 Lab File: VU029833.D
 Acq: 06 Mar 2019 10:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion:117 Resp: 63133
 Ion Ratio Lower Upper
 117 100
 167 86.7 71.4 107.2

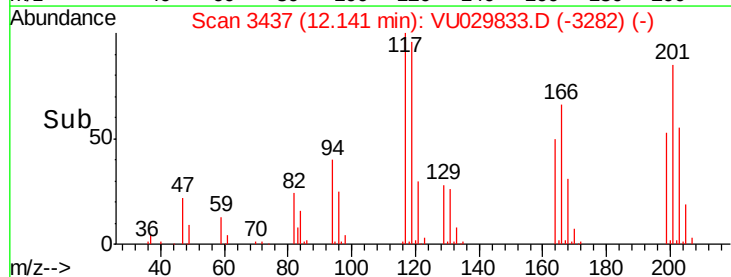
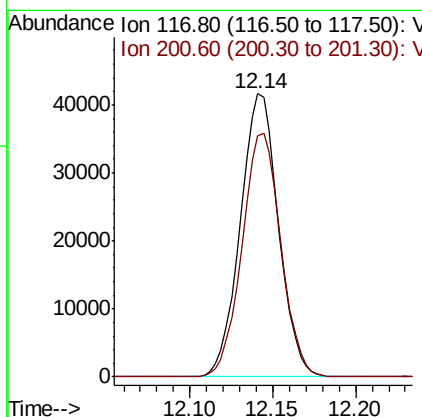
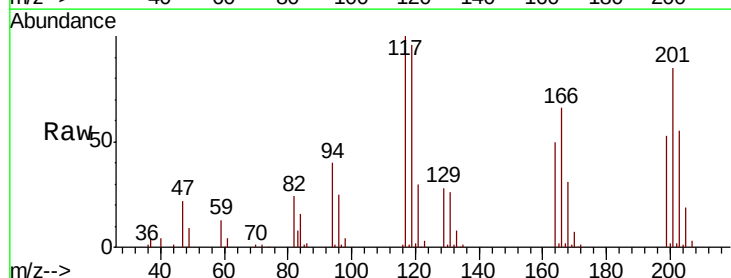
Manual Integrations
 APPROVED

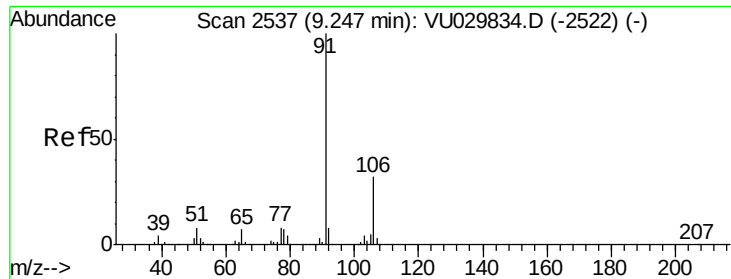
MMDadoda
 3/11/2019 4:50:08 PM



#62
 Hexachloroethane
 Concen: 5.093 ug/l
 RT: 12.14 min Scan# 3437
 Delta R.T. -0.00 min
 Lab File: VU029833.D
 Acq: 06 Mar 2019 10:47

Tgt Ion:117 Resp: 66524
 Ion Ratio Lower Upper
 117 100
 201 87.2 68.2 102.2





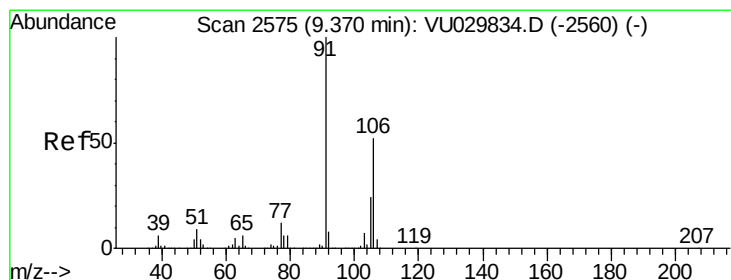
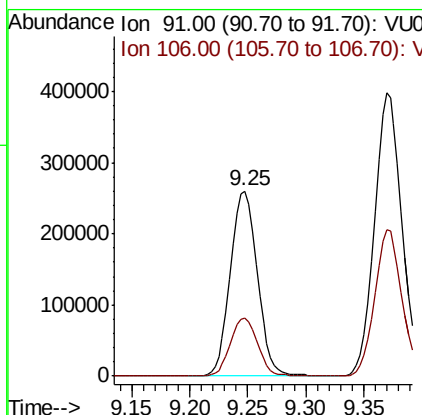
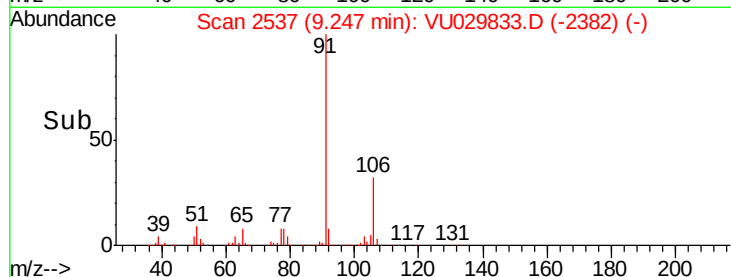
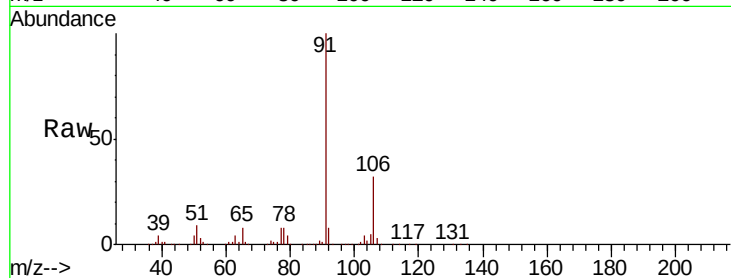
#63
Ethyl Benzene
Concen: 5.145 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. -0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion: 91 Resp: 419023
Ion Ratio Lower Upper
91 100
106 31.8 25.7 38.5

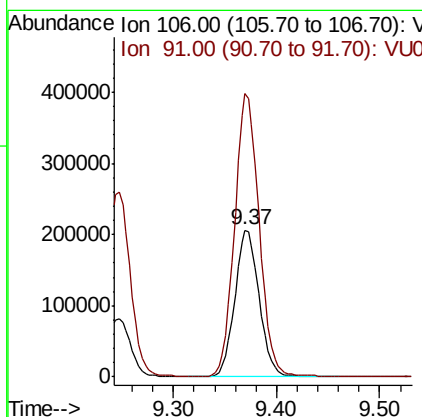
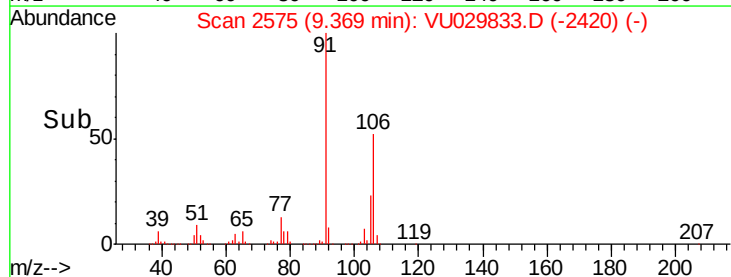
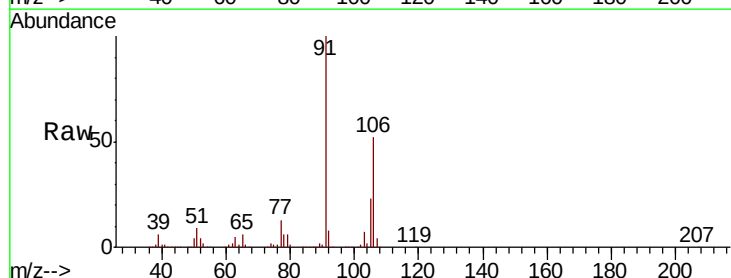
Manual Integrations
APPROVED

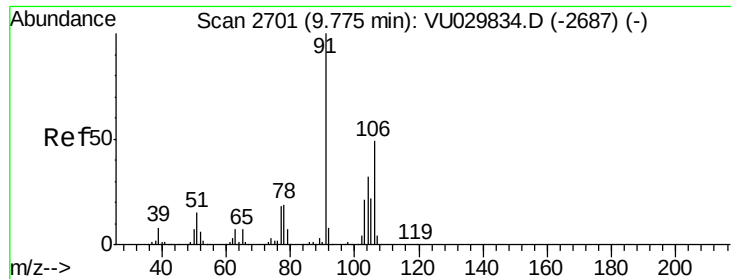
MMDadoda
3/11/2019 4:50:08 PM



#64
m/p-Xylenes
Concen: 10.506 ug/l
RT: 9.37 min Scan# 2575
Delta R.T. -0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

Tgt Ion: 106 Resp: 338234
Ion Ratio Lower Upper
106 100
91 194.8 155.3 232.9





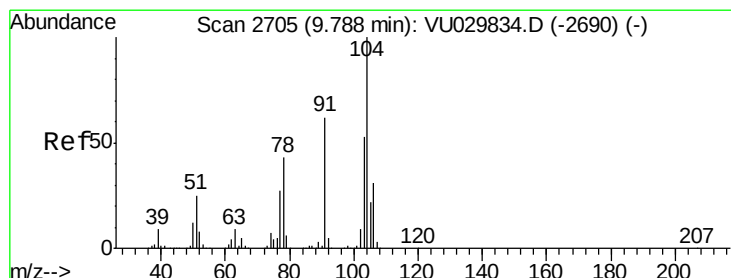
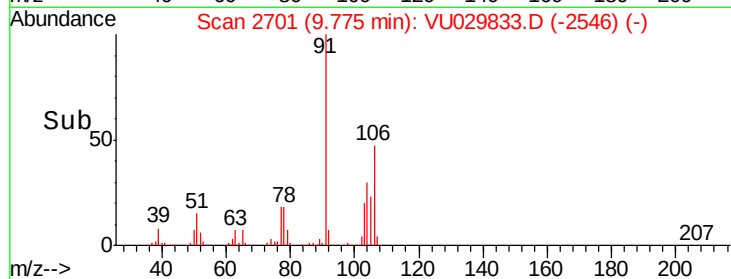
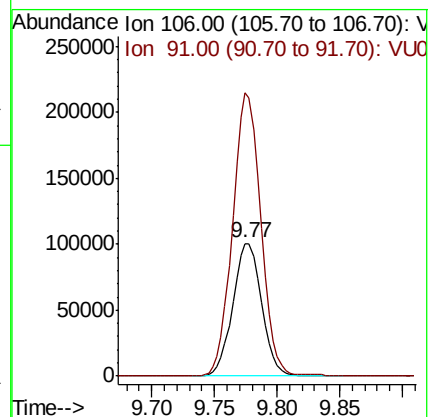
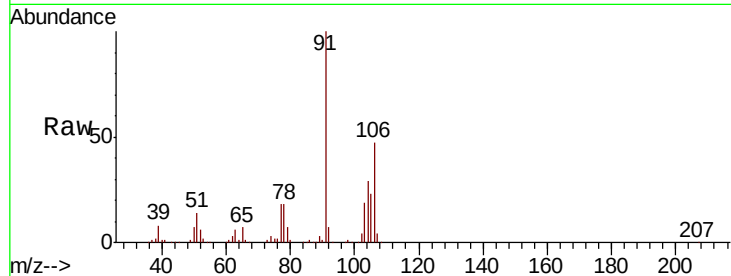
#65
o-Xylene
Concen: 5.216 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
106	100		
91	207.9	102.8	308.3

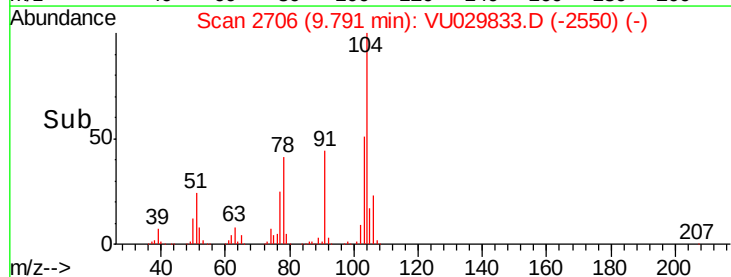
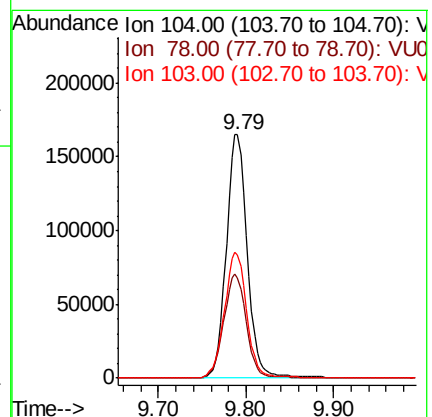
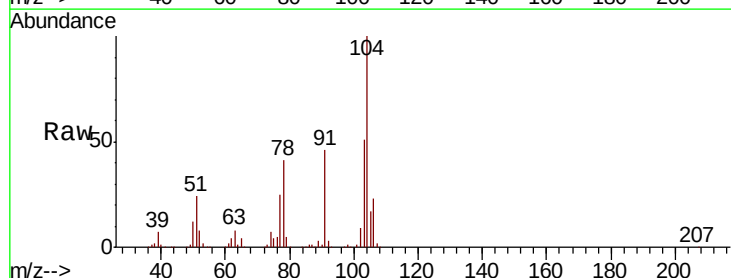
Manual Integrations
APPROVED

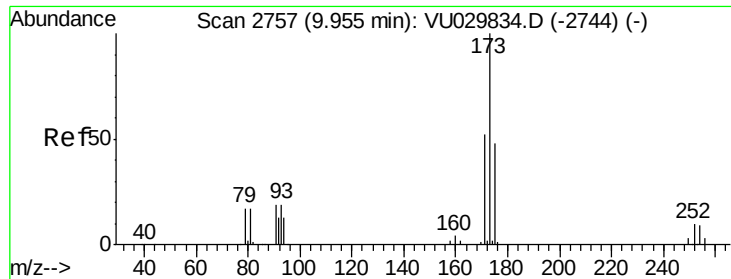
MMDadoda
3/11/2019 4:50:08 PM



#66
Styrene
Concen: 5.359 ug/l
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.2	37.2	55.8
103	55.0	44.7	67.1





#67

Bromoform

Concen: 5.208 ug/l

RT: 9.95 min Scan# 2757

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Instrument :

MSVOA_U

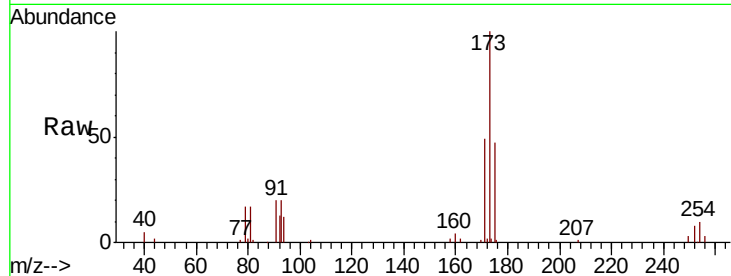
ClientSampleId :

VSTDIC005

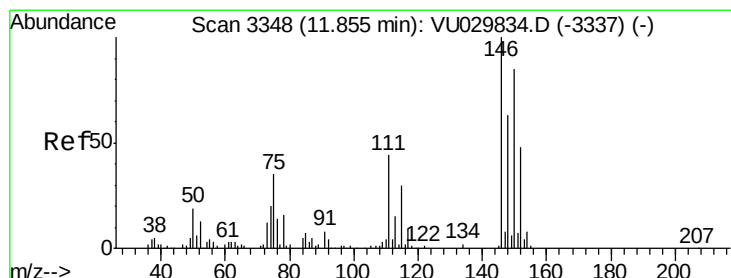
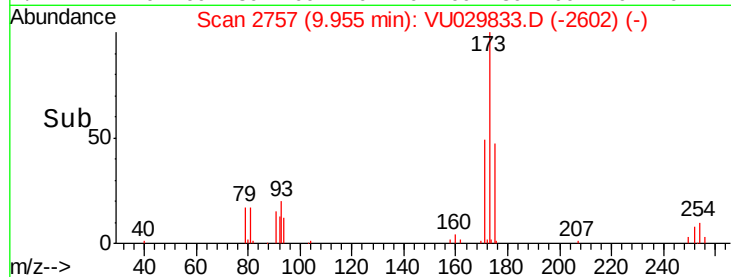
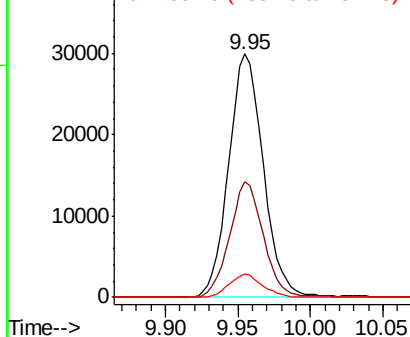
Tgt Ion:	173	Resp:	49661
Ion Ratio	Lower	Upper	
173	100		
175	45.8	38.6	57.8
254	9.1	7.4	11.2

Manual Integrations
APPROVED

MMDadoda
3/11/2019 4:50:08 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: 5.208 ug/l

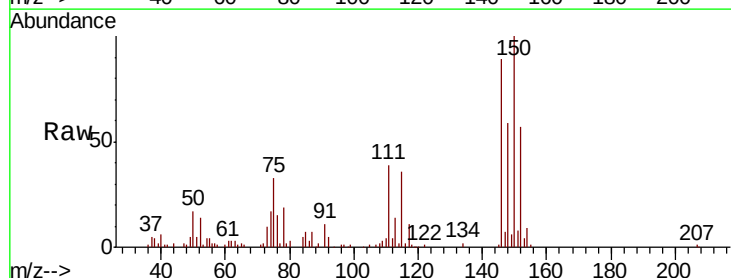
RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

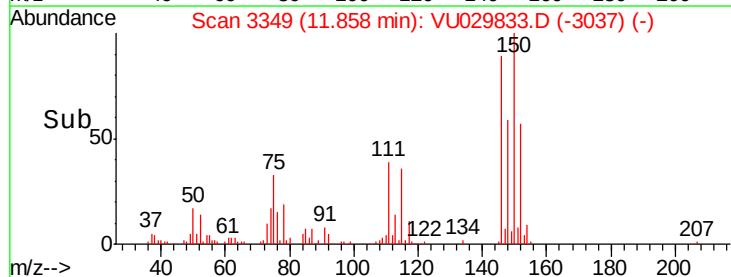
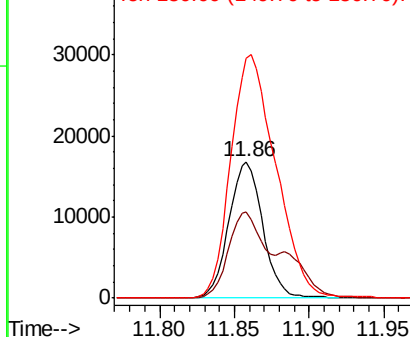
Lab File: VU029833.D

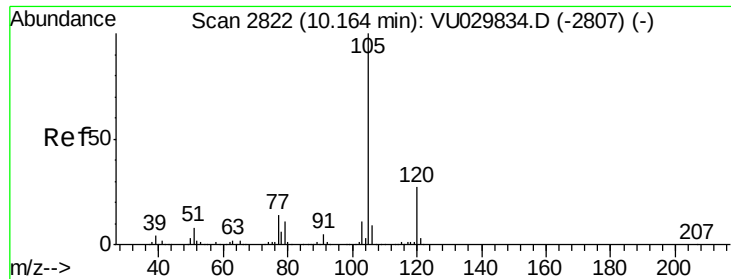
Acq: 06 Mar 2019 10:47

Tgt Ion:	152	Resp:	26518
Ion Ratio	Lower	Upper	
152	100		
115	67.1	0.0	124.0
150	237.2	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





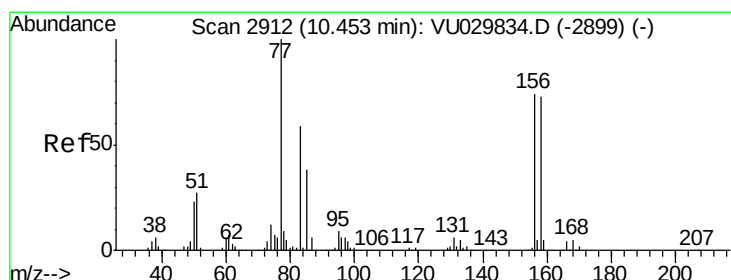
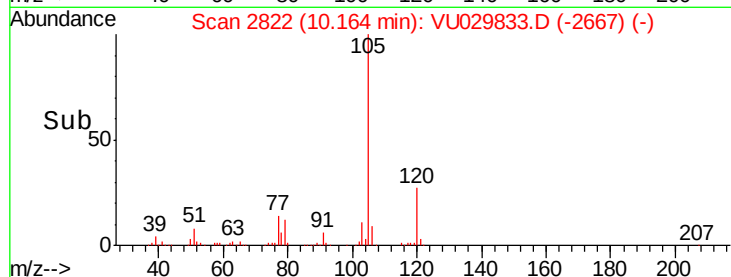
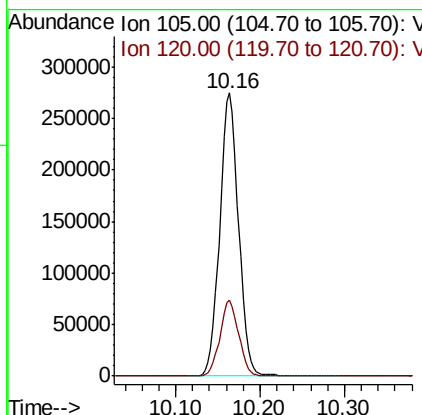
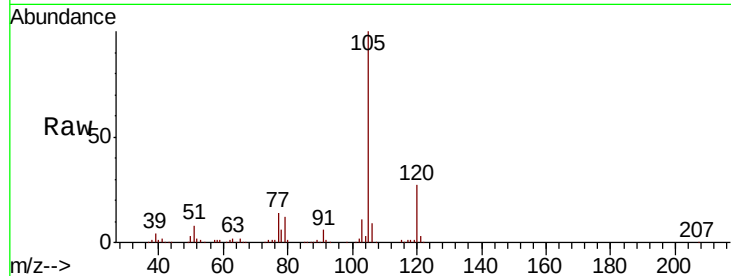
#69
Isopropylbenzene
Concen: 5.194 ug/l
RT: 10.16 min Scan# 2822
Delta R.T. -0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.5	40.5

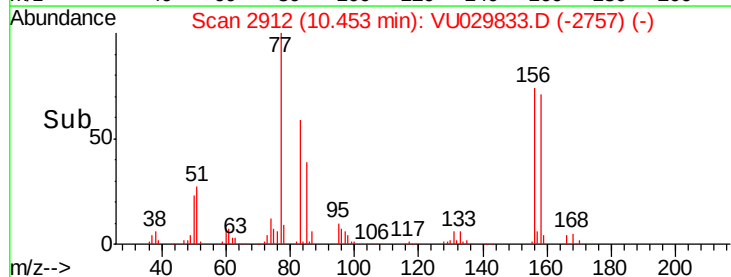
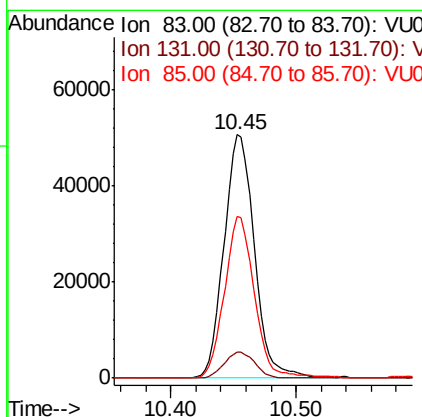
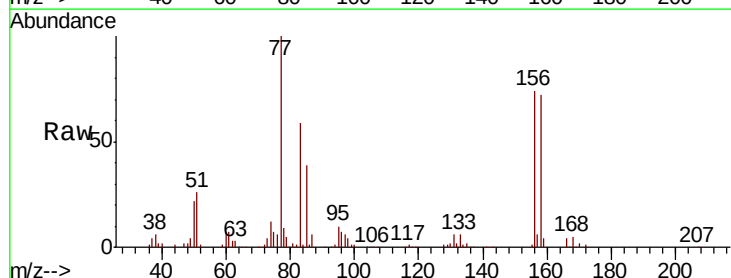
Manual Integrations
APPROVED

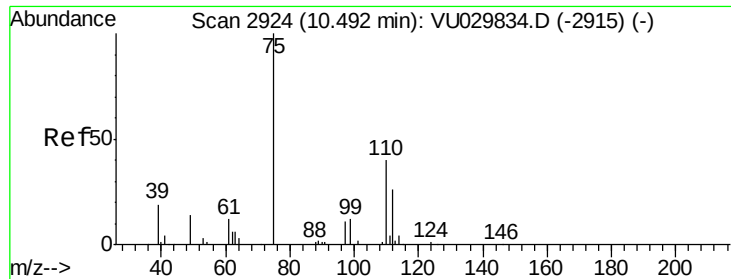
MMDadoda
3/11/2019 4:50:08 PM



#70
1,1,2,2-Tetrachloroethane
Concen: 5.114 ug/l
RT: 10.45 min Scan# 2912
Delta R.T. -0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.8	8.3	12.5
85	65.2	52.5	78.7





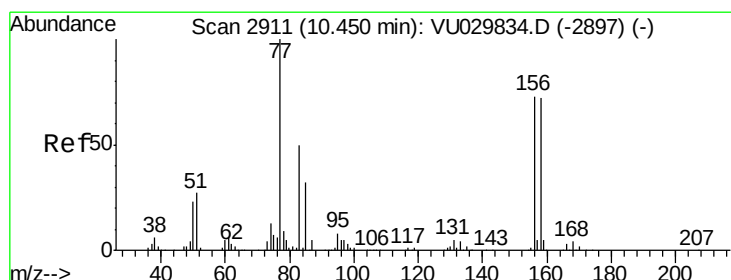
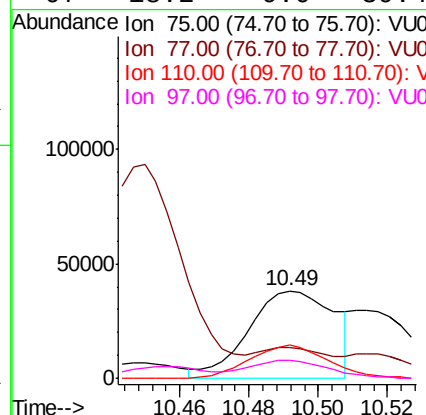
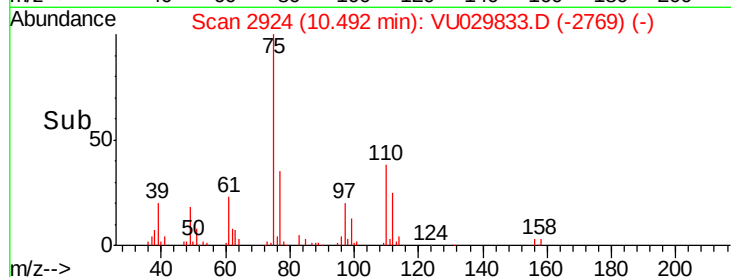
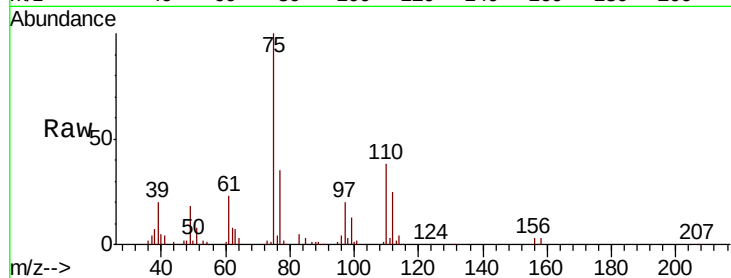
#71
1,2,3-Trichloropropane
Concen: 5.453 ug/l m
RT: 10.49 min Scan# 2924
Delta R.T. -0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	16.4
110	35.1	0.0	74.8
97	18.2	0.0	39.4

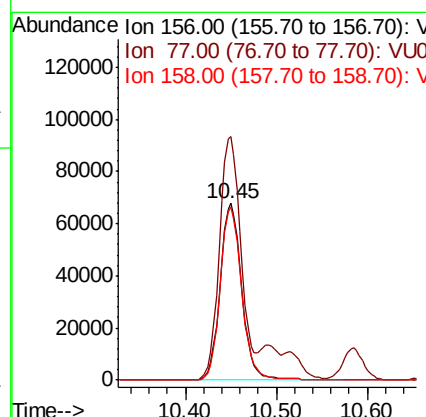
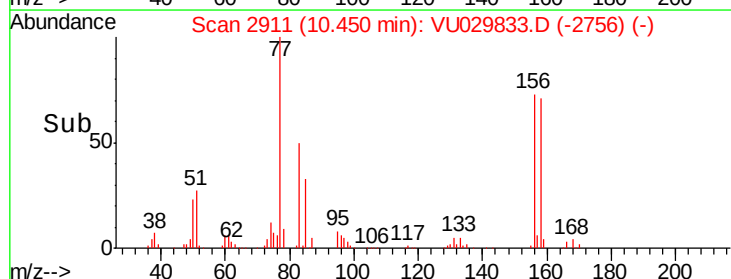
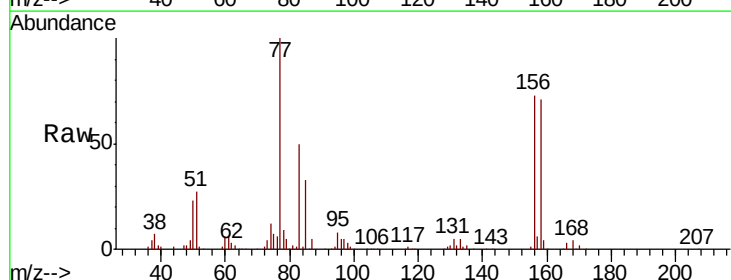
Manual Integrations
APPROVED

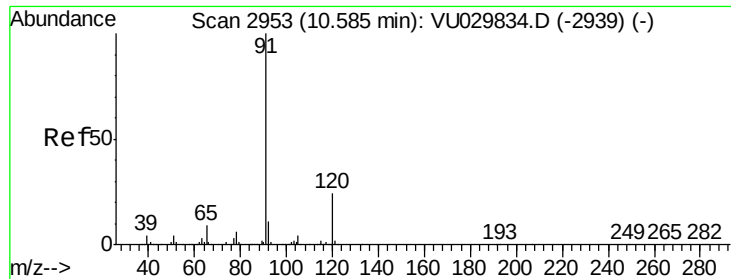
MMDadoda
3/11/2019 4:50:08 PM



#72
Bromobenzene
Concen: 5.142 ug/l
RT: 10.45 min Scan# 2911
Delta R.T. -0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

Tgt Ion	Ratio	Lower	Upper
156	100		
77	138.2	0.0	282.2
158	97.7	0.0	196.2





#73

n-propylbenzene

Concen: 5.314 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion:120 Resp: 122493

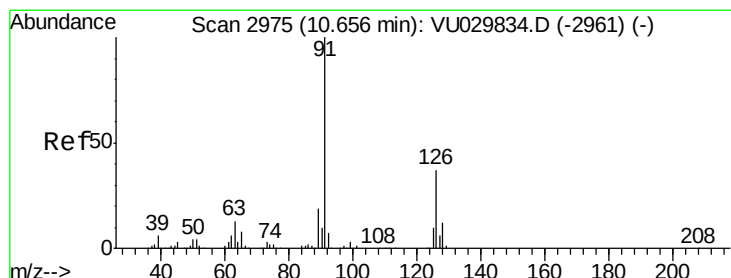
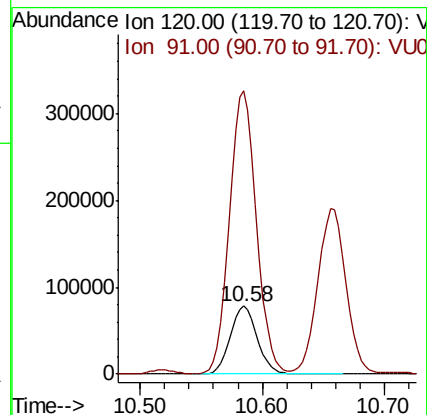
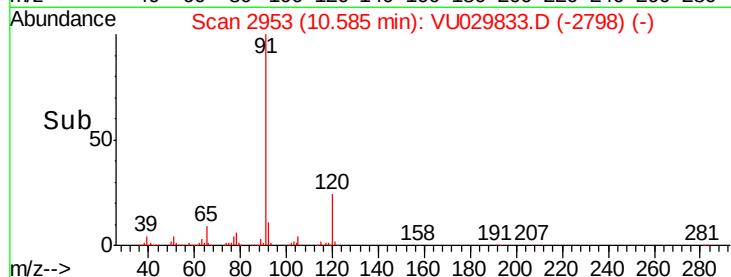
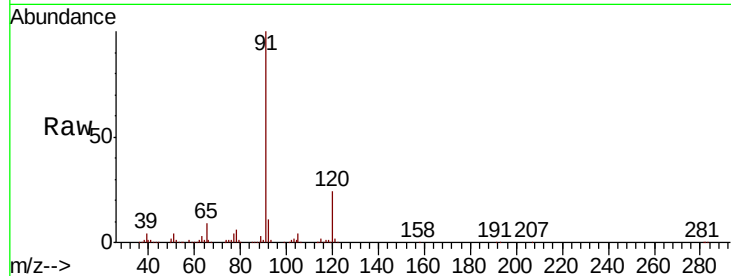
Ion Ratio Lower Upper

120 100

91 412.3 333.4 500.2

Manual Integrations
APPROVED

MMDadoda
3/11/2019 4:50:08 PM



#74

2-Chlorotoluene

Concen: 5.138 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU029833.D

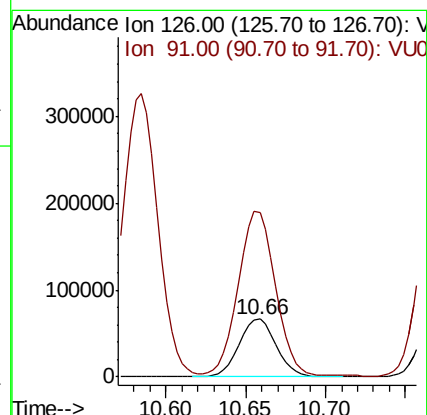
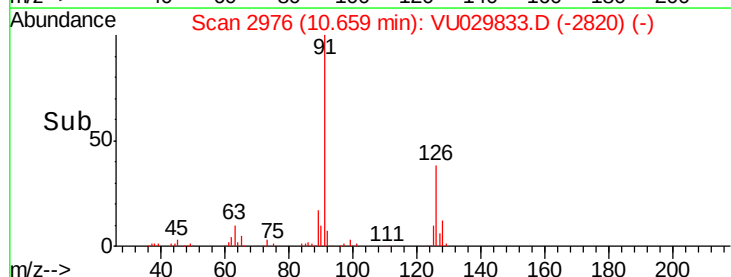
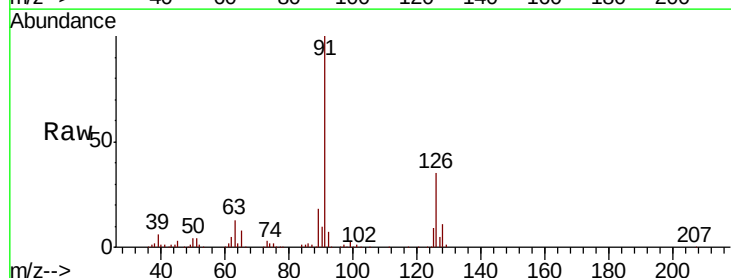
Acq: 06 Mar 2019 10:47

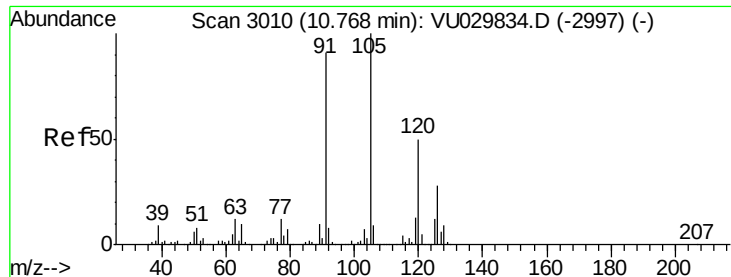
Tgt Ion:126 Resp: 105062

Ion Ratio Lower Upper

126 100

91 288.7 0.0 569.0





#75

1,3,5-Trimethylbenzene

Concen: 5.267 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Instrument :

MSVOA_U

ClientSampled :

VSTDIC005

Tgt Ion:105 Resp: 363780

Ion Ratio Lower Upper

105 100

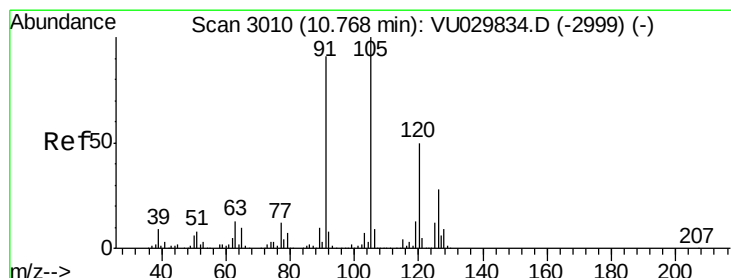
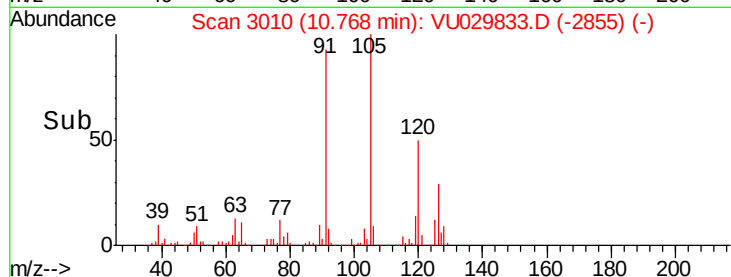
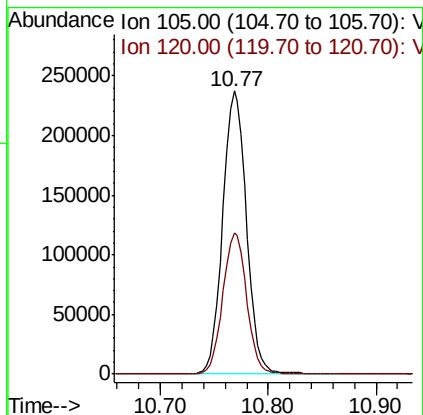
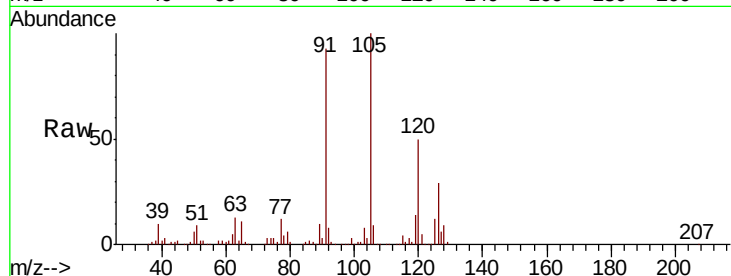
120 50.2 40.0 60.0

Manual Integrations

APPROVED

MMDadoda

3/11/2019 4:50:08 PM



#76

4-Chlorotoluene

Concen: 5.194 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU029833.D

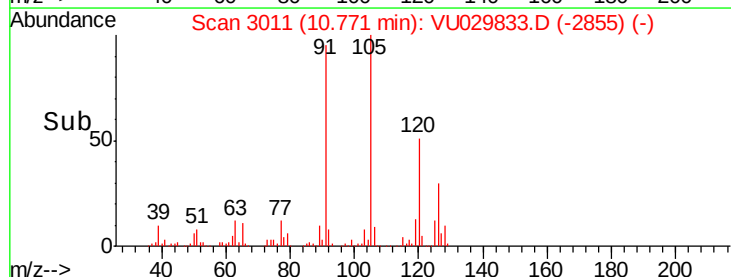
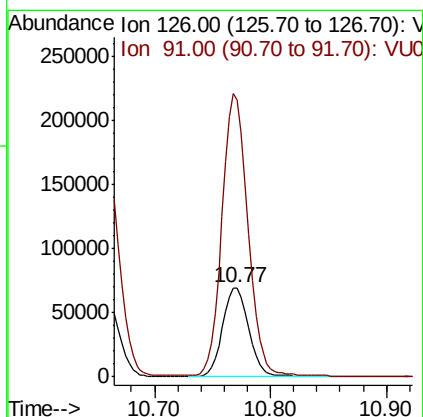
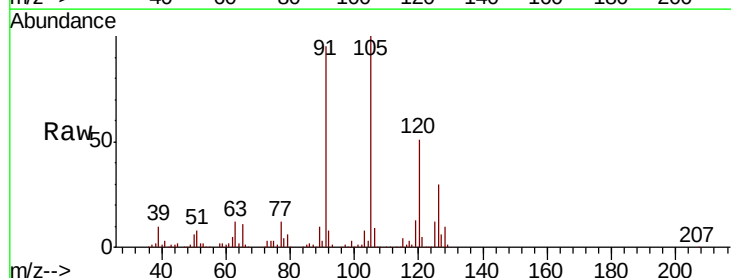
Acq: 06 Mar 2019 10:47

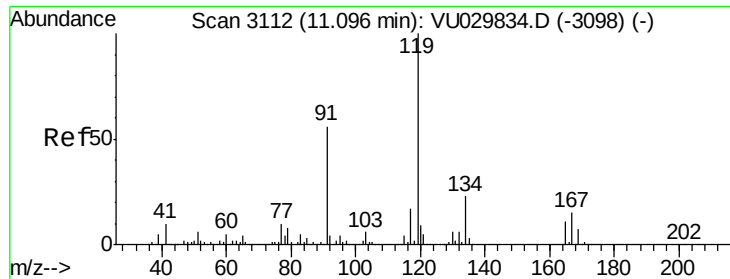
Tgt Ion:126 Resp: 108300

Ion Ratio Lower Upper

126 100

91 316.8 0.0 634.8





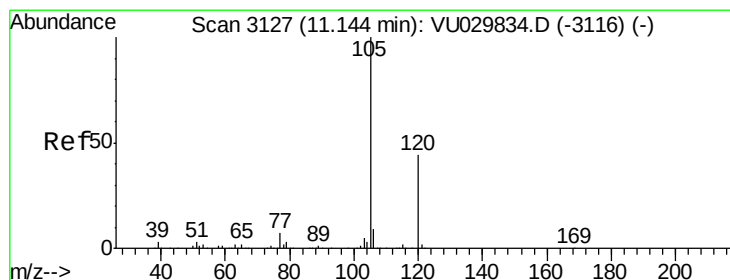
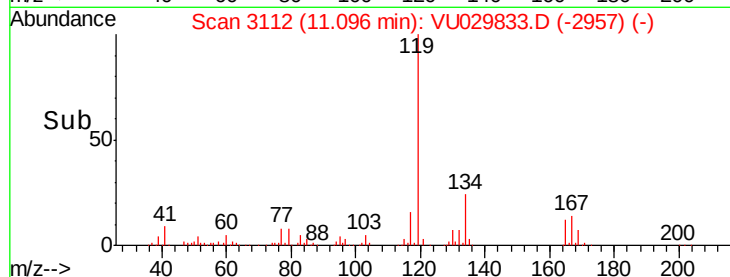
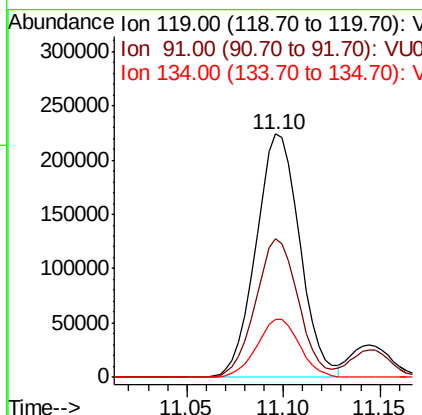
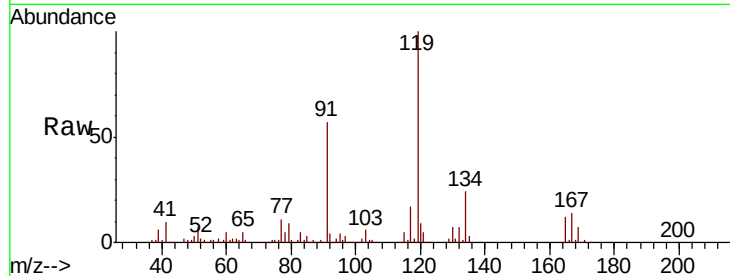
#77
 tert-Butylbenzene
 Concen: 5.181 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. -0.00 min
 Lab File: VU029833.D
 Acq: 06 Mar 2019 10:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
119	100		
91	55.8	27.7	83.1
134	23.6	18.7	28.1

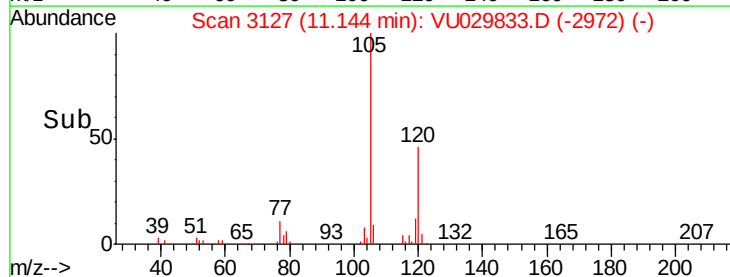
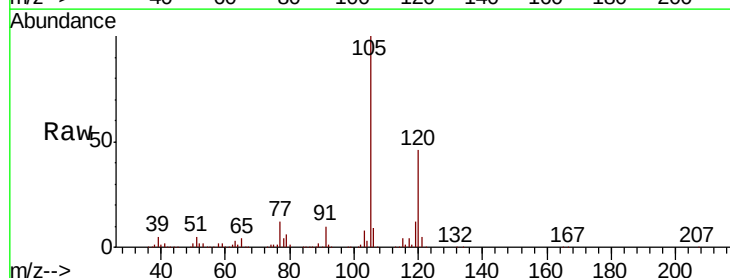
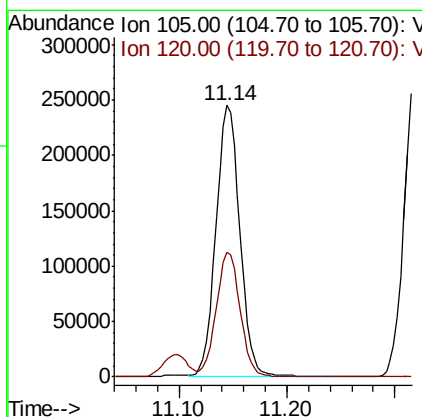
Manual Integrations
 APPROVED

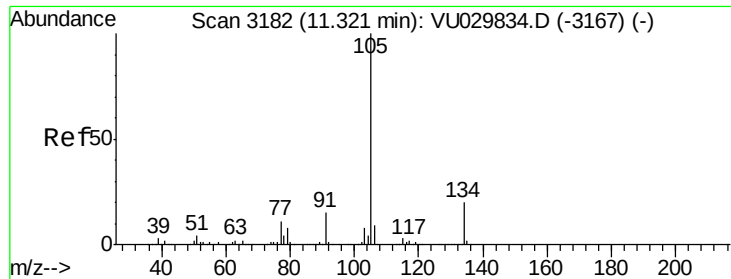
MMDadoda
 3/11/2019 4:50:08 PM



#78
 1,2,4-Trimethylbenzene
 Concen: 5.401 ug/l
 RT: 11.14 min Scan# 3127
 Delta R.T. -0.00 min
 Lab File: VU029833.D
 Acq: 06 Mar 2019 10:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.5	70.5





#79

sec-Butylbenzene

Concen: 5.285 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 105 Resp: 478660

Ion Ratio Lower Upper

105 100

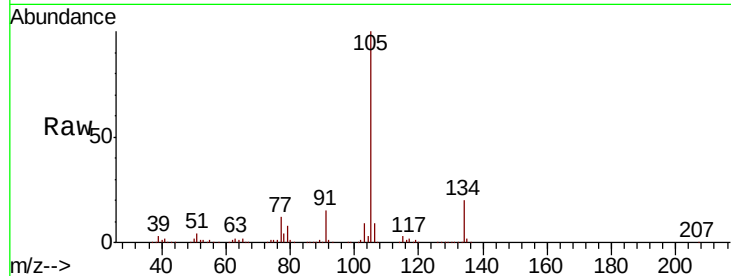
134 20.2 16.3 24.5

Manual Integrations

APPROVED

MMDadoda

3/11/2019 4:50:08 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.32

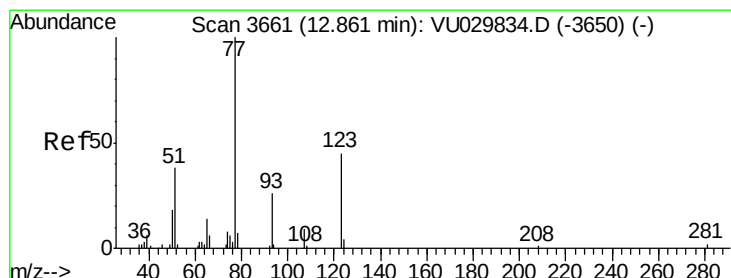
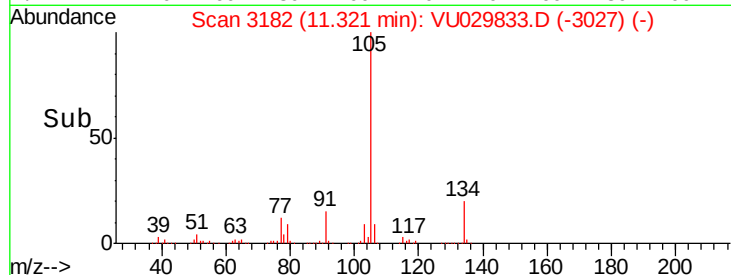
300000

200000

100000

0

Time-->



#80

Nitrobenzene

Concen: 21.397 ug/l

RT: 12.86 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

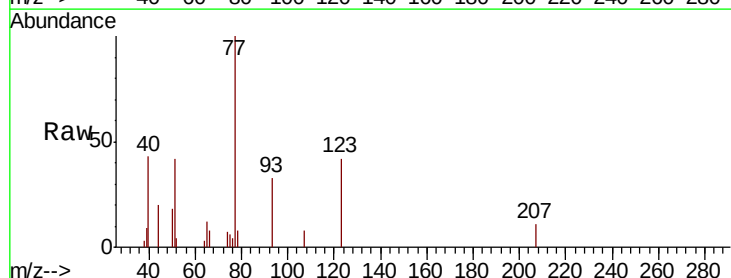
Tgt Ion: 77 Resp: 6813

Ion Ratio Lower Upper

77 100

123 49.1 20.2 71.4

65 7.3 14.0 17.8#



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

12.86

4000

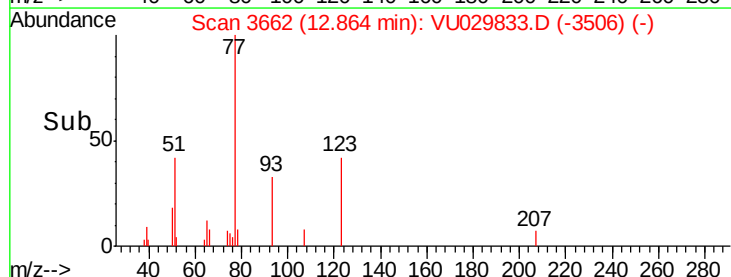
3000

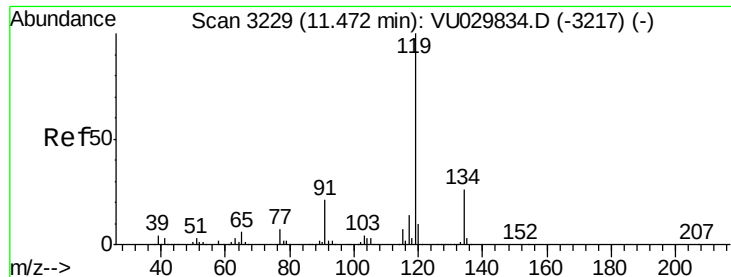
2000

1000

0

Time-->





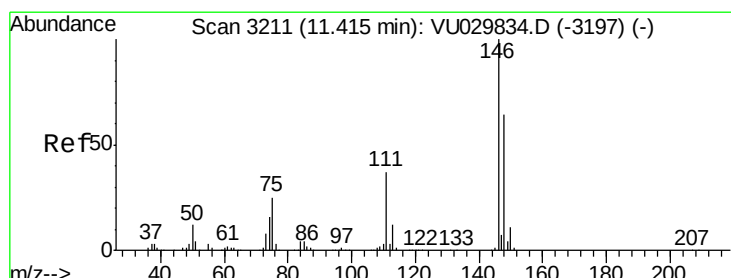
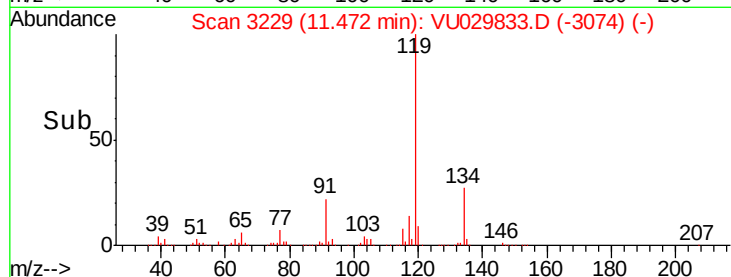
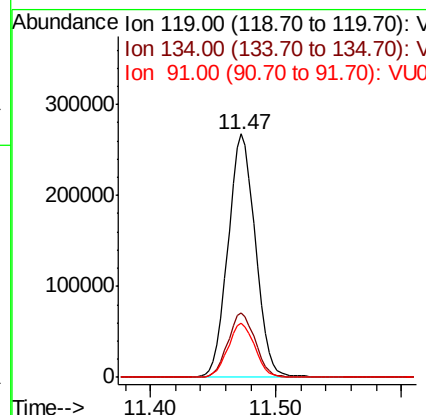
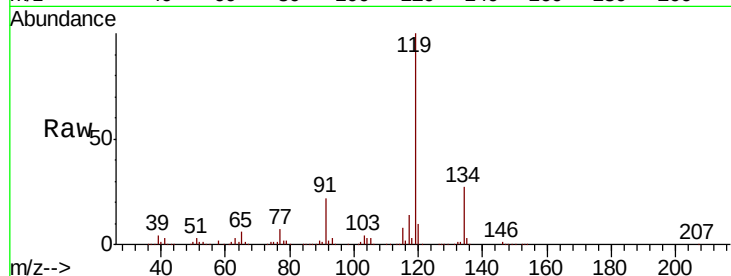
#81
 p-Isopropyltoluene
 Concen: 5.306 ug/l
 RT: 11.47 min Scan# 3229
 Delta R.T. -0.00 min
 Lab File: VU029833.D
 Acq: 06 Mar 2019 10:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	21.2	31.8
91	21.9	17.2	25.8

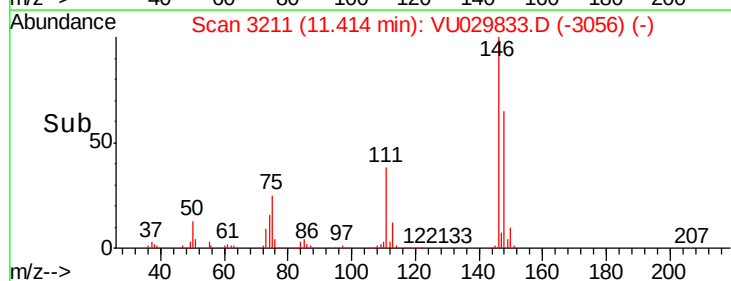
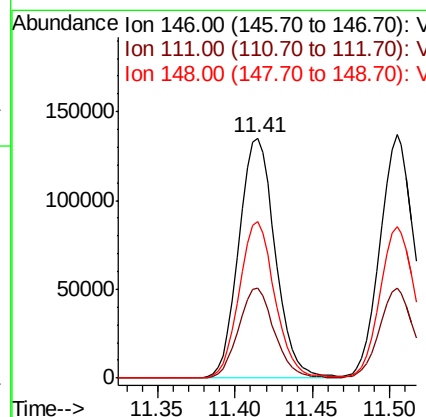
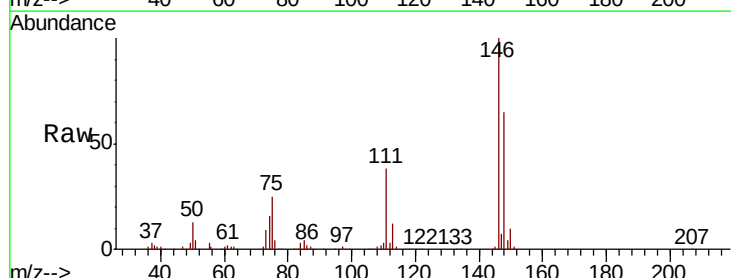
Manual Integrations
 APPROVED

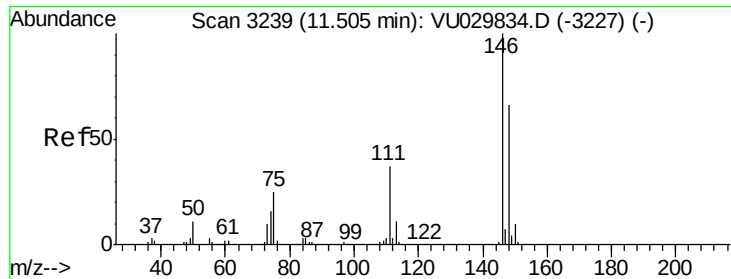
MMDadoda
 3/11/2019 4:50:08 PM



#82
 1,3-Dichlorobenzene
 Concen: 5.143 ug/l
 RT: 11.41 min Scan# 3211
 Delta R.T. -0.00 min
 Lab File: VU029833.D
 Acq: 06 Mar 2019 10:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	30.2	45.4
148	63.7	51.2	76.8





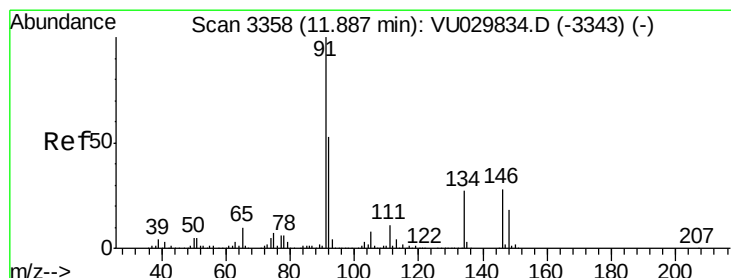
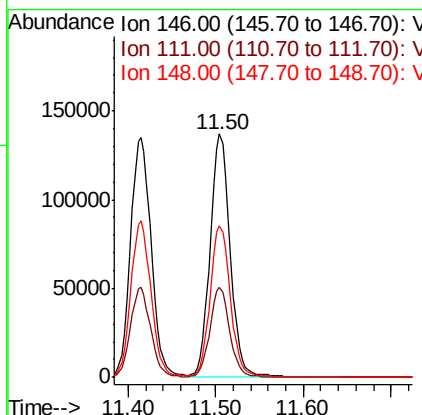
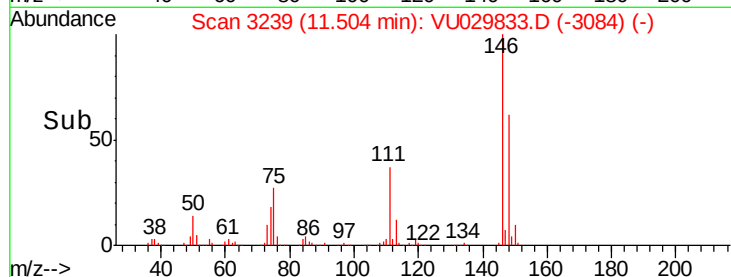
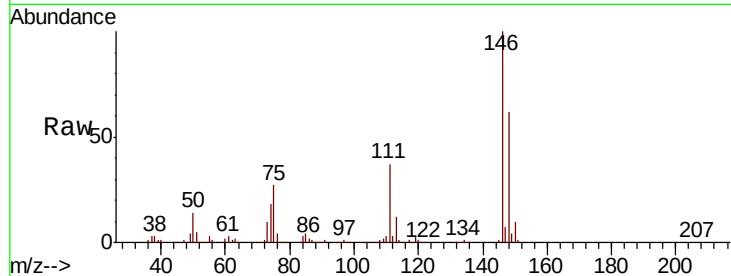
#83
 1,4-Dichlorobenzene
 Concen: 5.199 ug/l
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU029833.D
 Acq: 06 Mar 2019 10:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	29.4	44.2
148	62.5	51.7	77.5

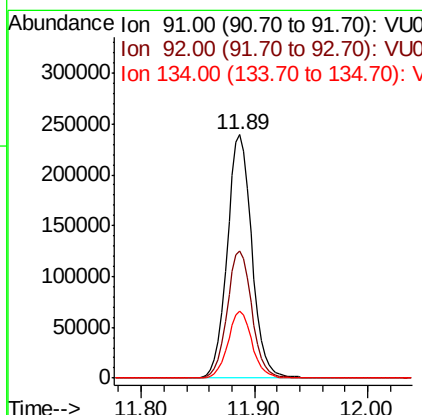
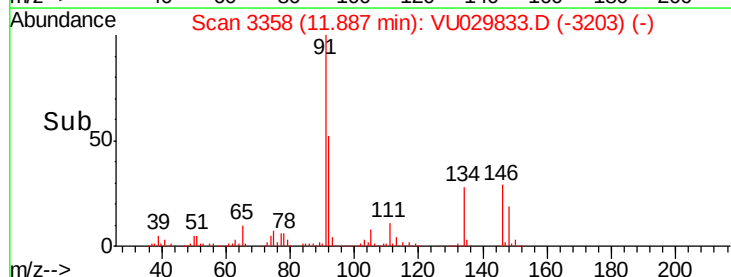
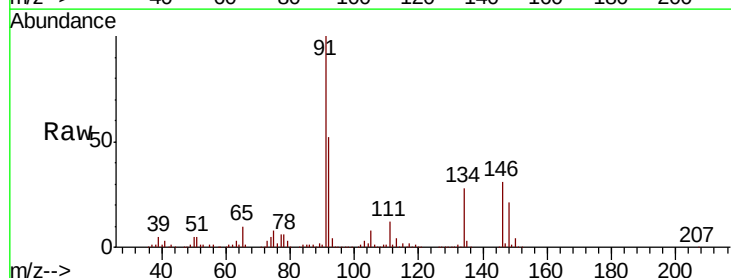
Manual Integrations
 APPROVED

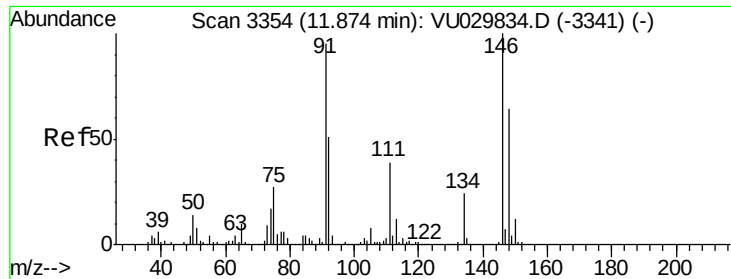
MMDadoda
 3/11/2019 4:50:08 PM



#84
 n-Butylbenzene
 Concen: 5.250 ug/l
 RT: 11.89 min Scan# 3358
 Delta R.T. -0.00 min
 Lab File: VU029833.D
 Acq: 06 Mar 2019 10:47

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.5	42.6	63.8
134	27.0	21.7	32.5





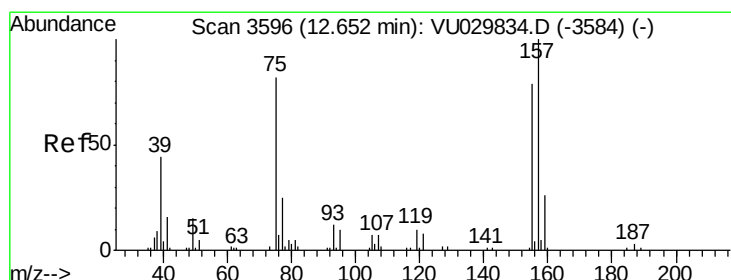
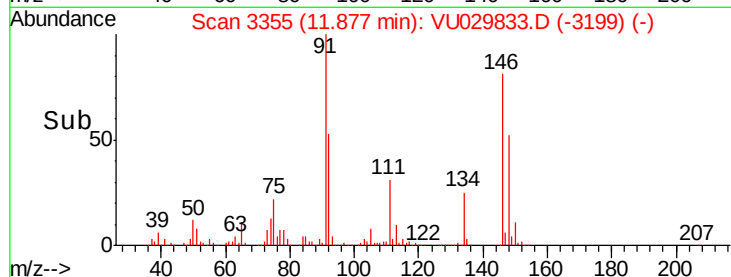
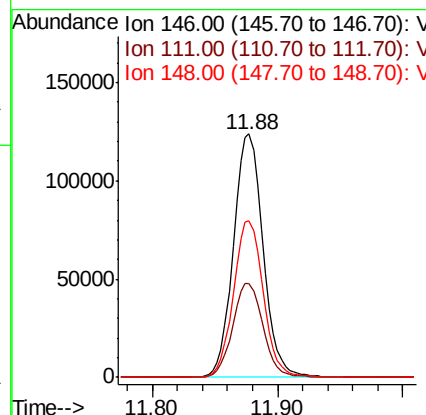
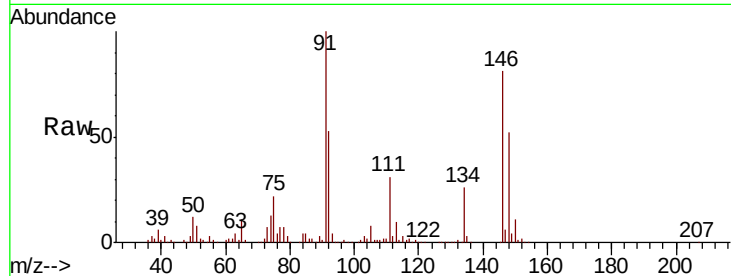
#85
 1,2-Dichlorobenzene
 Concen: 5.021 ug/l
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU029833.D
 Acq: 06 Mar 2019 10:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.9	59.6
148	64.9	32.1	96.3

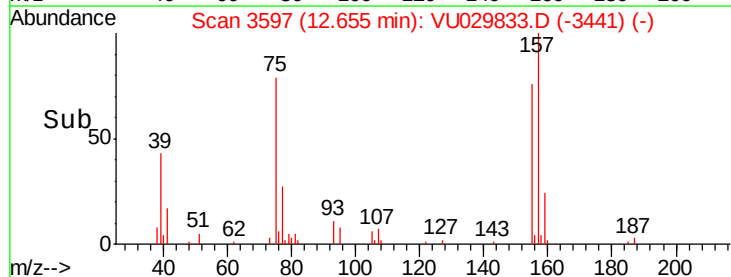
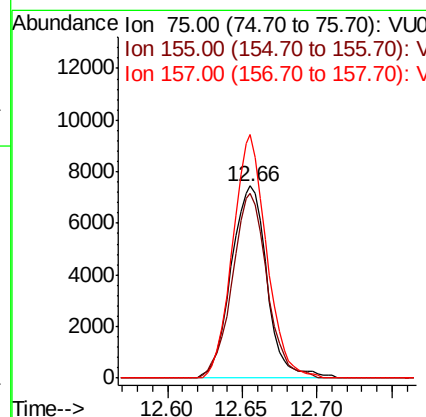
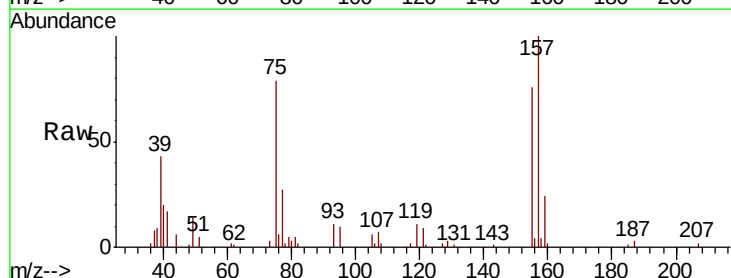
Manual Integrations
 APPROVED

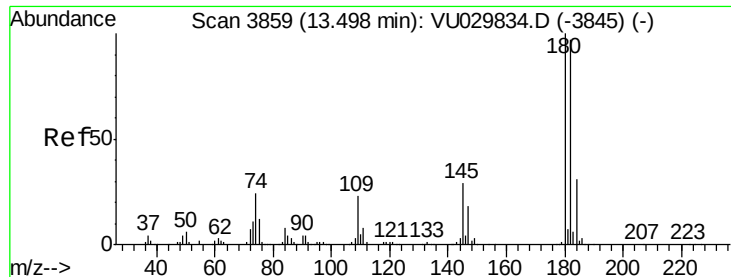
MMDadoda
 3/11/2019 4:50:08 PM



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 5.215 ug/l
 RT: 12.66 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VU029833.D
 Acq: 06 Mar 2019 10:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.6	76.6	114.8
157	119.3	96.2	144.2





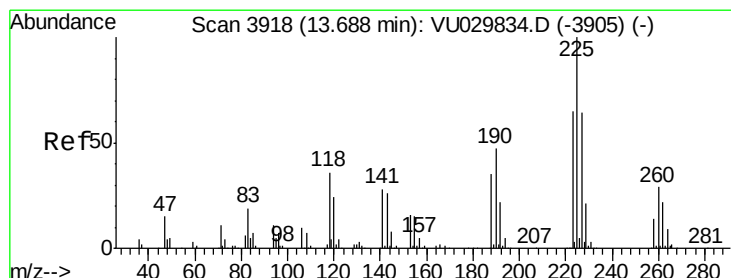
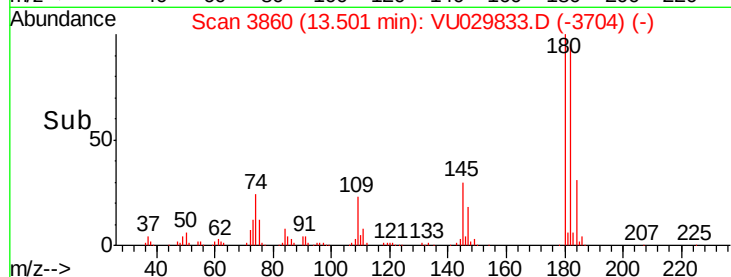
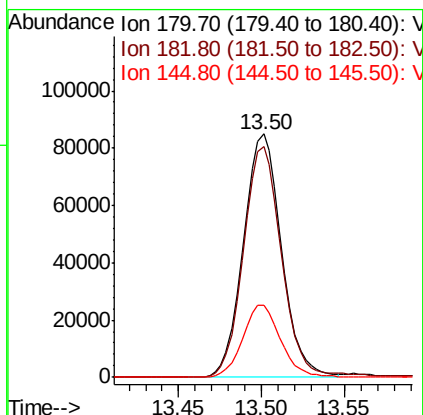
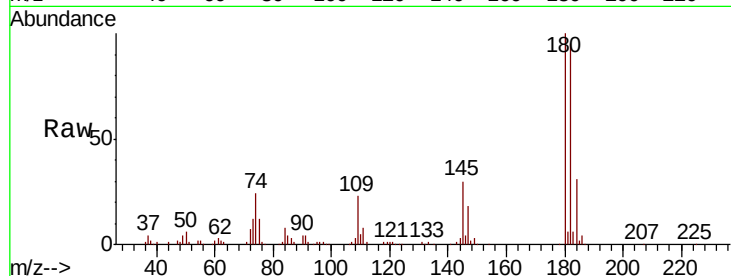
#87
1,2,4-Trichlorobenzene
Concen: 5.239 ug/l
RT: 13.50 min Scan# 3860
Delta R.T. 0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.5	116.3
145	29.6	23.6	35.4

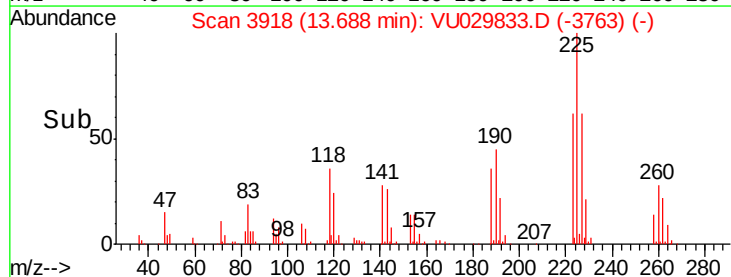
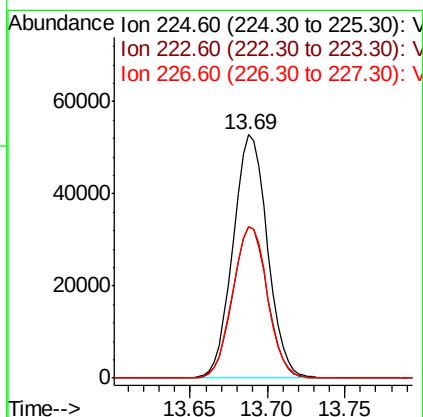
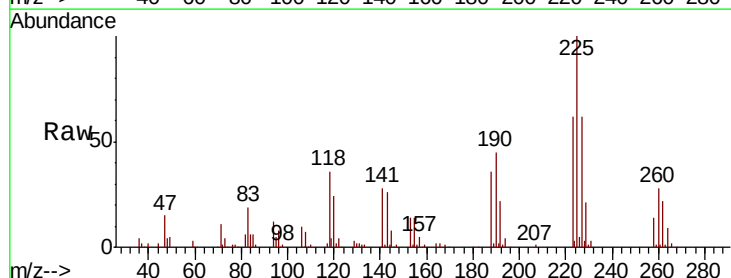
Manual Integrations
APPROVED

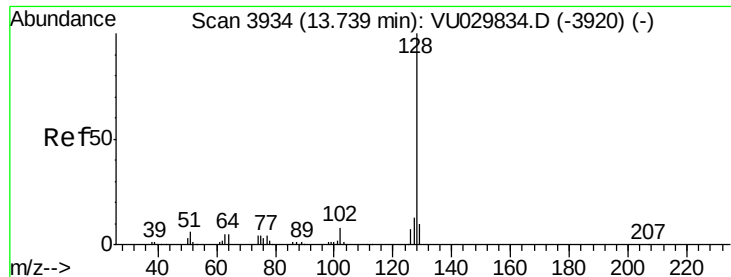
MMDadoda
3/11/2019 4:50:08 PM



#88
Hexachlorobutadiene
Concen: 4.997 ug/l
RT: 13.69 min Scan# 3918
Delta R.T. -0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	51.2	76.8
227	63.2	50.9	76.3





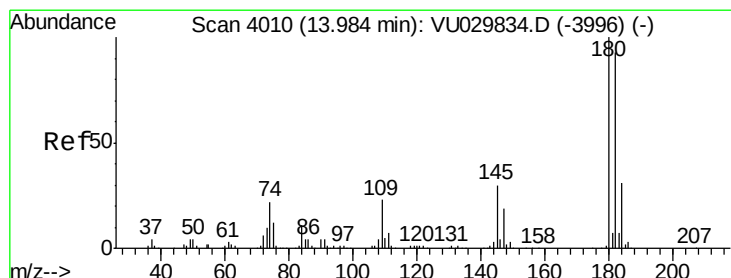
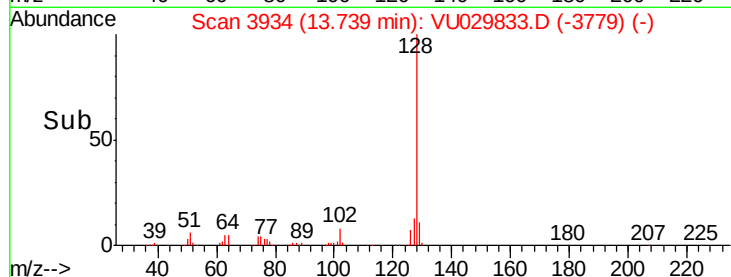
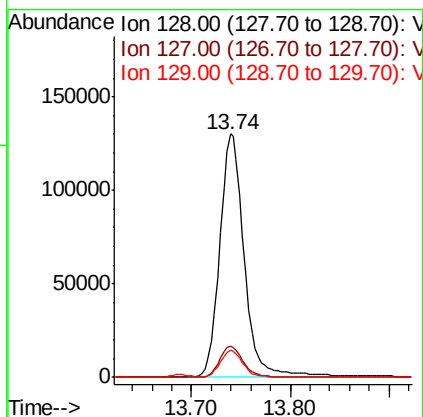
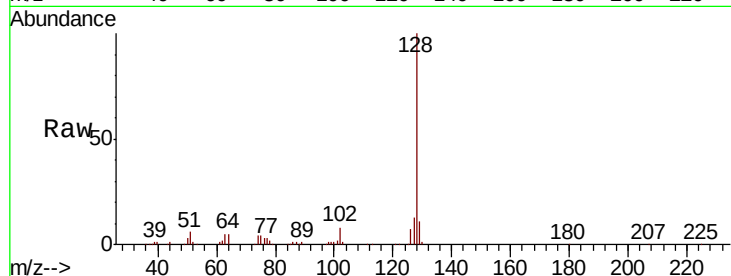
#89
Naphthalene
Concen: 5.486 ug/l
RT: 13.74 min Scan# 3934
Delta R.T. -0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion:	128	Resp:	227597
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.2	15.4
129	10.1	8.2	12.4

Manual Integrations
APPROVED

MMDadoda
3/11/2019 4:50:08 PM



#90
1,2,3-Trichlorobenzene
Concen: 5.218 ug/l
RT: 13.98 min Scan# 4010
Delta R.T. -0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

Tgt Ion:	180	Resp:	127231
Ion Ratio	Lower	Upper	
180	100		
182	98.1	74.8	112.2
145	30.9	24.6	36.8

