

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022619\
 Data File : VU029674.D
 Acq On : 26 Feb 2019 11:41
 Operator : JC/SP
 Sample : VU0226WBSD01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VU0226WBSD01

Manual Integrations
 APPROVED

MMDadoda

Quant Time: Feb 27 00:42:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U020519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Feb 08 10:52:46 2019
 Response via : Initial Calibration

3/5/2019 9:31:51 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	61290	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	21865	0.91	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	25525	1.04	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	41121	1.798	ug/l	99
3) Chloromethane	1.33	50	34471	1.649	ug/l	99
4) Vinyl Chloride	1.40	62	43177	1.762	ug/l	99
5) Bromomethane	1.63	94	27042	1.984	ug/l	97
6) Chloroethane	1.70	64	26099	1.823	ug/l	96
7) Trichlorofluoromethane	1.88	101	60430	1.766	ug/l	95
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	33851	1.874	ug/l	87
9) 1,1-Dichloroethene	2.28	96	33023	1.868	ug/l	69
10) Iodomethane	2.41	142	18518	0.979	ug/l #	75
11) Allyl Chloride	2.59	41	46145	1.556	ug/l #	80
12) Acrylonitrile	2.94	53	14325	3.615	ug/l	97
13) Acetone	2.32	43	30349	7.946	ug/l #	81
14) Carbon Disulfide	2.47	76	107646	1.724	ug/l	99
15) Methylene Chloride	2.70	84	39431	1.839	ug/l #	76
16) trans-1,2-Dichloroethene	2.98	96	37337	1.888	ug/l #	77
17) 1,1-Dichloroethane	3.44	63	66509	2.123	ug/l	96
18) 2-Butanone	4.28	43	39202	9.184	ug/l	98
19) Cyclohexane	4.99	56	40540	1.396	ug/l #	81
20) Methylcyclohexane	6.41	83	57467	1.883	ug/l #	85
21) 2,2-Dichloropropane	4.22	77	49753	1.716	ug/l #	90
22) cis-1,2-Dichloroethene	4.22	96	39086	2.099	ug/l	74
23) Diethyl Ether	2.10	59	24981	1.759	ug/l	86
24) tert-Butyl Alcohol	2.84	59	25644	17.380	ug/l	100
25) Methyl tert-Butyl Ether	3.00	73	85836	1.724	ug/l #	79
26) Bromochloromethane	4.54	128	17261	2.098	ug/l	70
27) Chloroform	4.67	83	59898	1.966	ug/l	100
28) 1,1,1-Trichloroethane	4.91	97	53201	1.884	ug/l	93
29) 1,1-Dichloropropene	5.13	75	45459	1.854	ug/l	92
30) Carbon Tetrachloride	5.13	117	44463	1.739	ug/l	98
31) Isopropyl Ether	3.58	45	83995	1.777	ug/l	89
32) Ethyl-t-butyl ether	4.07	59	85727	1.809	ug/l	90
33) Tert-Amyl methyl ether	5.58	73	76674	1.790	ug/l	97
34) Propionitrile	4.33	54	11954	10.654	ug/l #	94
35) Benzene	5.38	78	136566	2.014	ug/l	96
36) 1,2-Dichloroethane	5.40	62	37102	1.809	ug/l #	89
37) Trichloroethene	6.18	130	40797	2.097	ug/l	86
38) 1,2-Dichloropropane	6.43	63	33611	1.906	ug/l	97
39) Methacrylonitrile	4.55	41	10031	1.746	ug/l #	88
40) Methyl acrylate	4.43	55	15522	1.790	ug/l #	90
41) Tetrahydrofuran	4.65	42	10002	3.456	ug/l #	86
42) 1-Chlorobutane	5.06	56	60186	1.832	ug/l	83

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022619\
 Data File : VU029674.D
 Acq On : 26 Feb 2019 11:41
 Operator : JC/SP
 Sample : VU0226WBSD01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VU0226WBSD01

Manual Integrations
 APPROVED

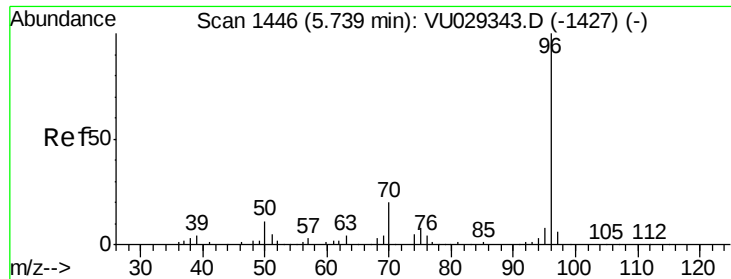
MMDadoda

Quant Time: Feb 27 00:42:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U020519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Feb 08 10:52:46 2019
 Response via : Initial Calibration

3/5/2019 9:31:51 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	18285	1.945	ug/l	93
44) Bromodichloromethane	6.75	83	42048	1.756	ug/l	96
45) 4-Methyl-2-Pentanone	7.46	43	92991	8.440	ug/l #	88
46) t-1,4-Dichloro-2-butene	10.50	75	15401m	2.869	ug/l	
47) Methyl methacrylate	6.63	69	30950	3.743	ug/l #	70
48) Ethyl methacrylate	8.02	69	29390	1.657	ug/l	77
49) Toluene	7.63	92	85124	1.962	ug/l	97
50) t-1,3-Dichloropropene	7.88	75	37724	1.607	ug/l	92
51) cis-1,3-Dichloropropene	7.27	75	47083	1.688	ug/l #	87
52) 1,1,2-Trichloroethane	8.06	97	25990	2.089	ug/l	99
53) 1,3-Dichloropropane	8.24	76	41314	1.890	ug/l	100
54) 2-Hexanone	8.36	43	64653	8.371	ug/l	85
55) Dibromochloromethane	8.47	129	31217	1.765	ug/l	96
56) 1,2-Dibromoethane	8.58	107	24900	1.950	ug/l	100
58) Tetrachloroethene	8.22	164	39325	2.172	ug/l	90
59) Chlorobenzene	9.12	112	97389	1.993	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	33973	1.881	ug/l	96
61) Pentachloroethane	11.10	117	24029	1.717	ug/l	95
62) Hexachloroethane	12.14	117	24037	1.573	ug/l	99
63) Ethyl Benzene	9.25	91	158000	1.862	ug/l	95
64) m/p-Xylenes	9.37	106	126492	3.835	ug/l	86
65) o-Xylene	9.77	106	60475	1.868	ug/l	91
66) Styrene	9.79	104	101101	1.873	ug/l #	91
67) Bromoform	9.95	173	18123	1.647	ug/l	94
69) Isopropylbenzene	10.16	105	162342	1.877	ug/l	95
70) 1,1,2,2-Tetrachloroethane	10.45	83	32244	2.022	ug/l	99
71) 1,2,3-Trichloropropane	10.49	75	24568m	2.243	ug/l	
72) Bromobenzene	10.45	156	42253	2.015	ug/l	85
73) n-propylbenzene	10.58	120	44473	1.846	ug/l	84
74) 2-Chlorotoluene	10.66	126	39696	1.935	ug/l	81
75) 1,3,5-Trimethylbenzene	10.77	105	135090	1.811	ug/l	93
76) 4-Chlorotoluene	10.77	126	39636	1.861	ug/l	76
77) tert-Butylbenzene	11.10	119	134597	1.826	ug/l	92
78) 1,2,4-Trimethylbenzene	11.14	105	139092	1.842	ug/l	95
79) sec-Butylbenzene	11.32	105	183075	1.898	ug/l	97
80) Nitrobenzene	12.88	77	1780m	2.505	ug/l	
81) p-Isopropyltoluene	11.47	119	152109	1.860	ug/l	94
82) 1,3-Dichlorobenzene	11.41	146	83522	2.030	ug/l	96
83) 1,4-Dichlorobenzene	11.50	146	82554	2.015	ug/l	97
84) n-Butylbenzene	11.89	91	132229	1.762	ug/l	96
85) 1,2-Dichlorobenzene	11.88	146	77425	1.991	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.66	75	4443	1.493	ug/l #	61
87) 1,2,4-Trichlorobenzene	13.50	180	51858	1.898	ug/l	97
88) Hexachlorobutadiene	13.69	225	32228	2.037	ug/l	99
89) Naphthalene	13.74	128	81924	1.768	ug/l	98
90) 1,2,3-Trichlorobenzene	13.99	180	48489	1.942	ug/l	96

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. 0.00 min

Lab File: VU029674.D

Acq: 26 Feb 2019 11:41

Instrument :

MSVOA_U

ClientSampleId :

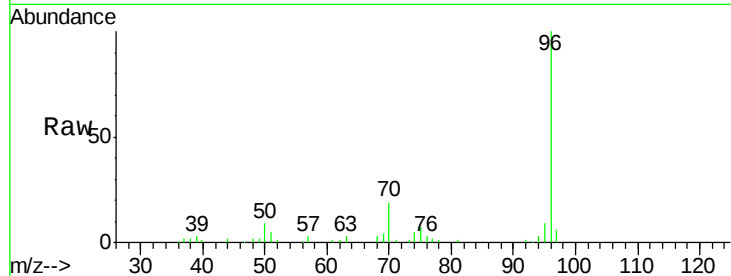
VU0226WBSD01

Tot Ion: 96 Resp: 61290

Ion	Ratio	Lower	Upper
96	100		
70	18.7	16.2	24.2
95	8.9	7.4	11.2
97	5.8	0.0	0.0#

Manual Integrations
APPROVED

MM Dadoda

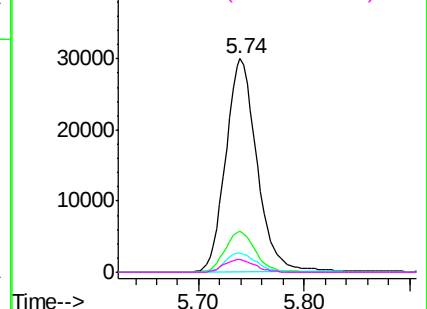
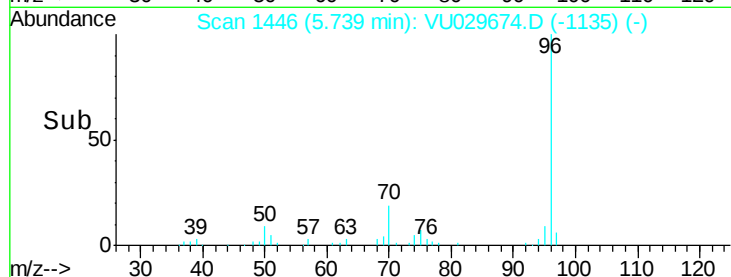


Abundance Ion 96.00 (95.70 to 96.70): VU0

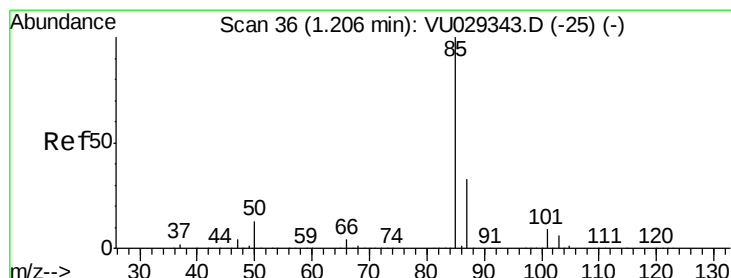
Ion 70.00 (69.70 to 70.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



3/5/2019 9:31:51 AM



#2

Dichlorodifluoromethane

Concen: 1.798 ug/l

RT: 1.21 min Scan# 36

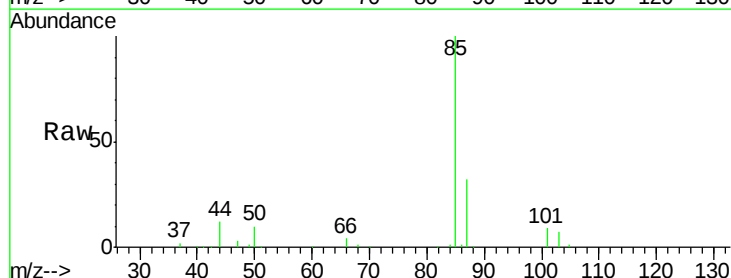
Delta R.T. 0.00 min

Lab File: VU029674.D

Acq: 26 Feb 2019 11:41

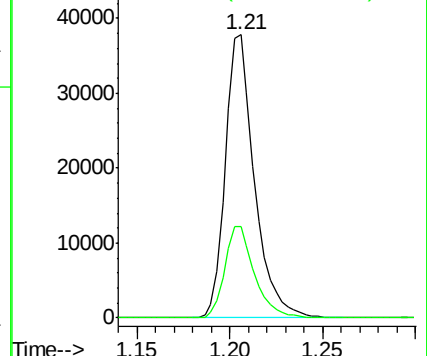
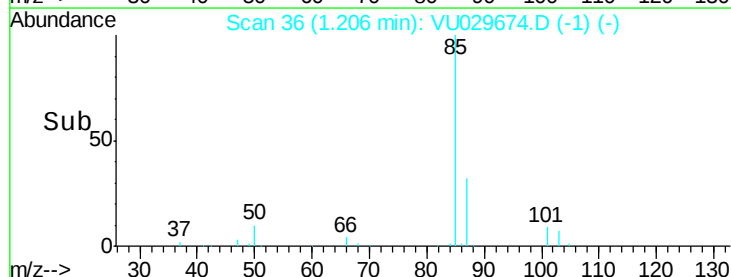
Tgt Ion: 85 Resp: 41121

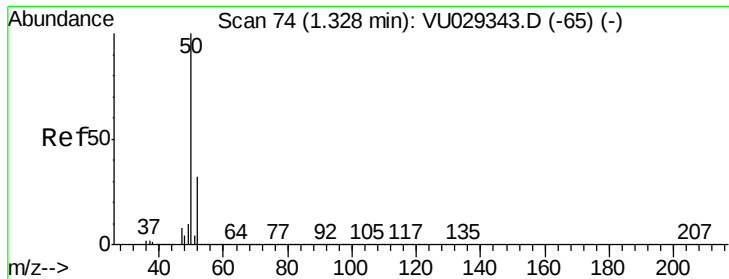
Ion	Ratio	Lower	Upper
85	100		
87	32.4	15.9	47.6



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 1.649 ug/l

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU029674.D

Acq: 26 Feb 2019 11:41

Instrument :

MSVOA_U

ClientSampleId :

VU0226WBSD01

Tot Ion: 50 Resp: 34471

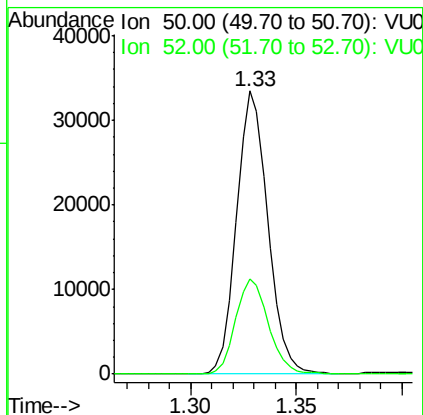
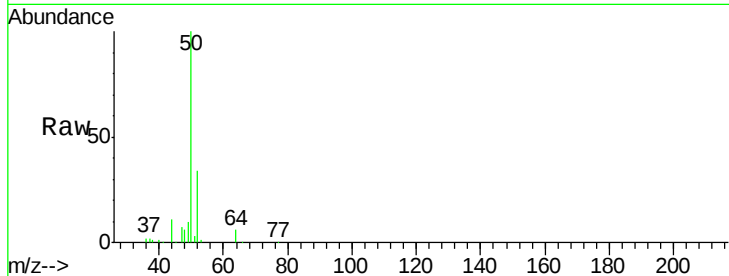
Ion Ratio Lower Upper

50 100

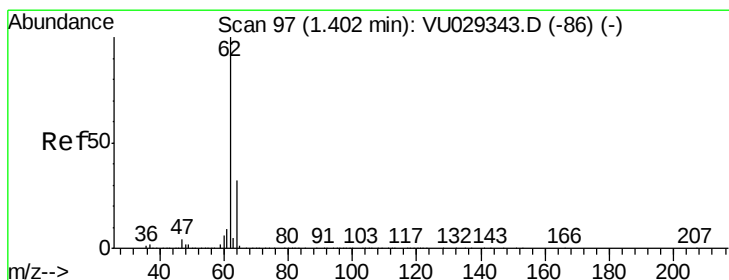
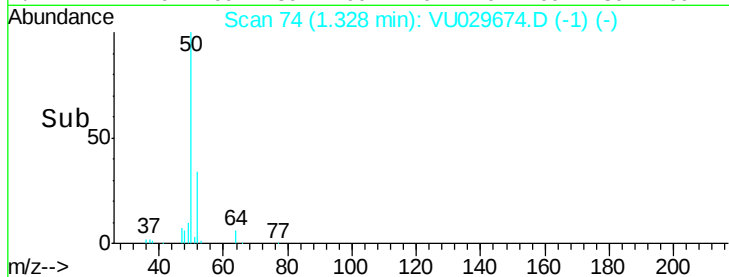
52 33.8 27.3 40.9

Manual Integrations
APPROVED

MMDadoda



3/5/2019 9:31:51 AM



#4

Vinyl Chloride

Concen: 1.762 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029674.D

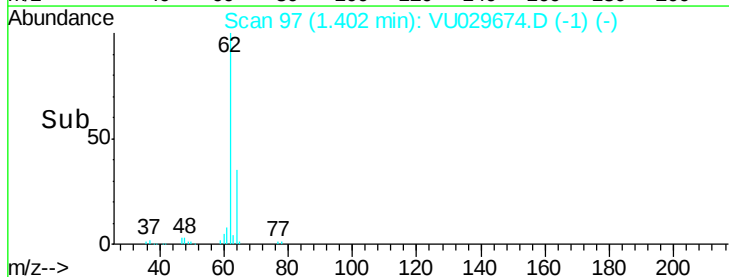
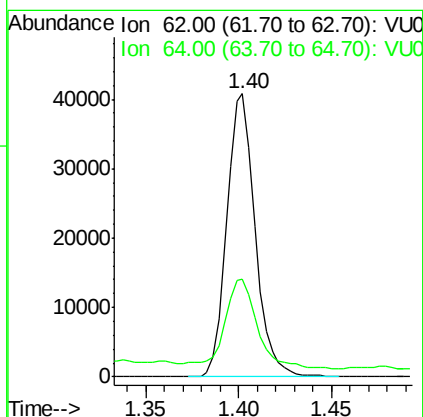
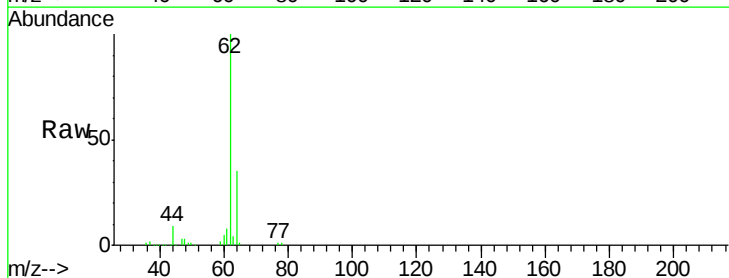
Acq: 26 Feb 2019 11:41

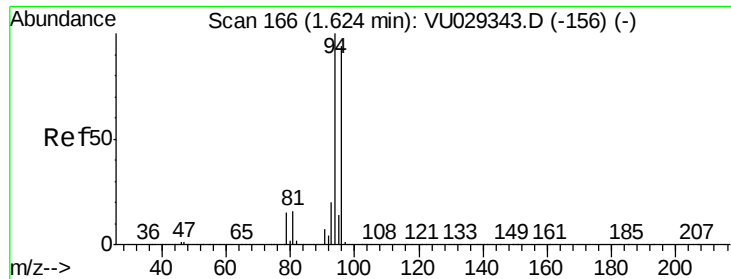
Tgt Ion: 62 Resp: 43177

Ion Ratio Lower Upper

62 100

64 31.8 25.2 37.8





#5

Bromomethane

Concen: 1.984 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU029674.D

Acq: 26 Feb 2019 11:41

Instrument :

MSVOA_U

ClientSampleId :

VU0226WBSD01

Tot Ion: 94 Resp: 27042

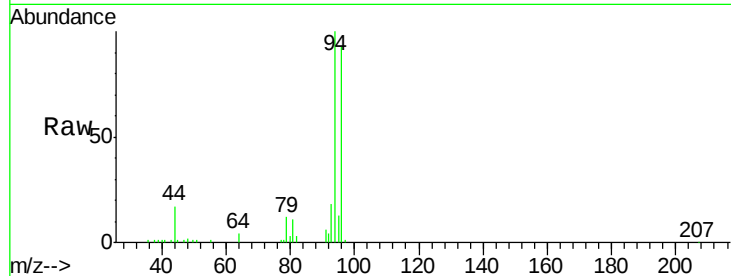
Ion Ratio Lower Upper

94 100

96 92.8 71.7 107.5

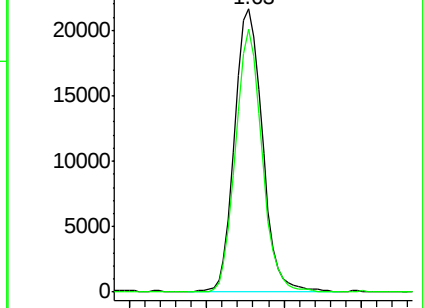
Manual Integrations
APPROVED

MMDadoda

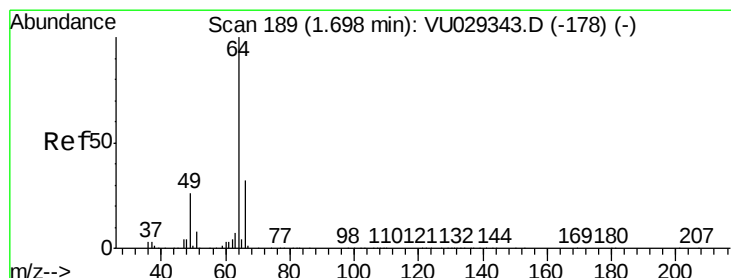
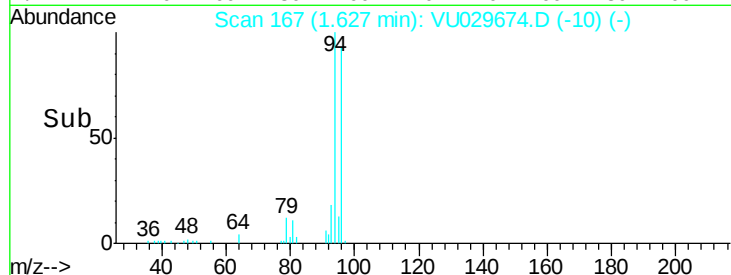


Abundance Ion 94.00 (93.70 to 94.70): VU029674.D (-10) (-)

Ion 96.00 (95.70 to 96.70): VU029674.D (-10) (-)



3/5/2019 9:31:51 AM



#6

Chloroethane

Concen: 1.823 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU029674.D

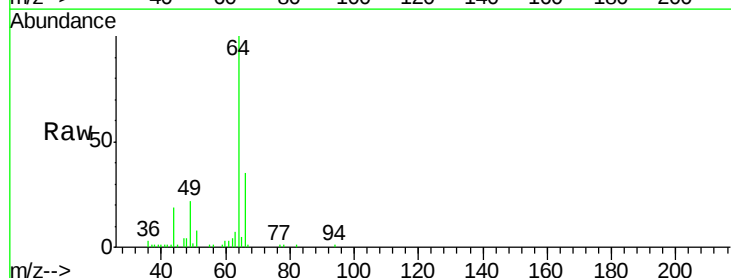
Acq: 26 Feb 2019 11:41

Tgt Ion: 64 Resp: 26099

Ion Ratio Lower Upper

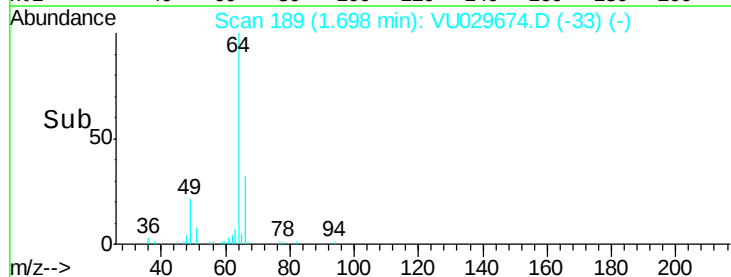
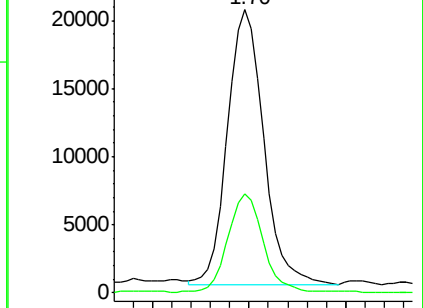
64 100

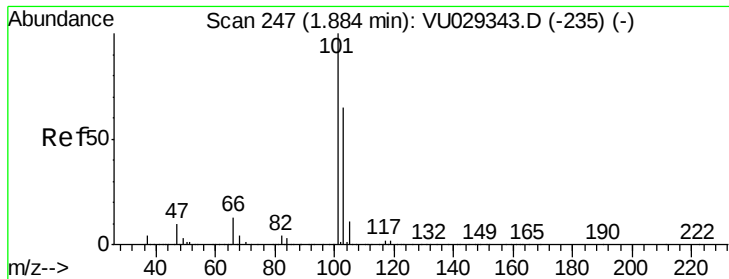
66 35.4 26.3 39.5



Abundance Ion 64.00 (63.70 to 64.70): VU029674.D (-33) (-)

Ion 66.00 (65.70 to 66.70): VU029674.D (-33) (-)





#7

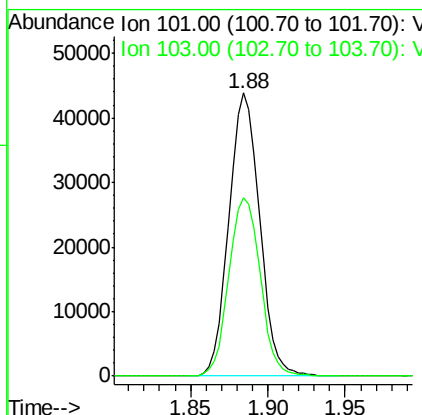
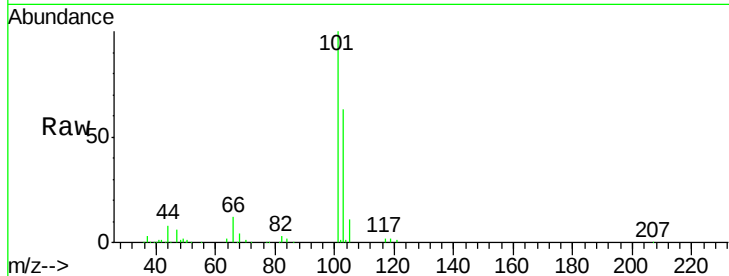
Trichlorofluoromethane
Concen: 1.766 ug/l
RT: 1.88 min Scan# 247
Delta R.T. 0.00 min
Lab File: VU029674.D
Acq: 26 Feb 2019 11:41

Instrument :
MSVOA_U
ClientSampleId :
VU0226WBSD01

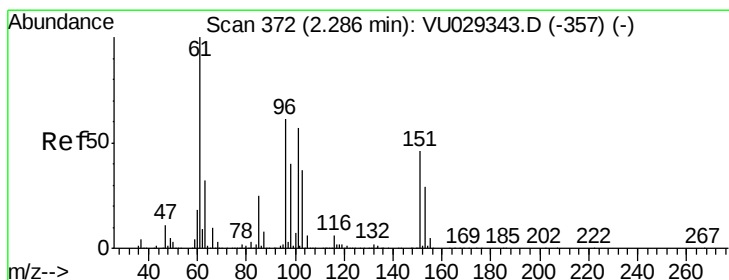
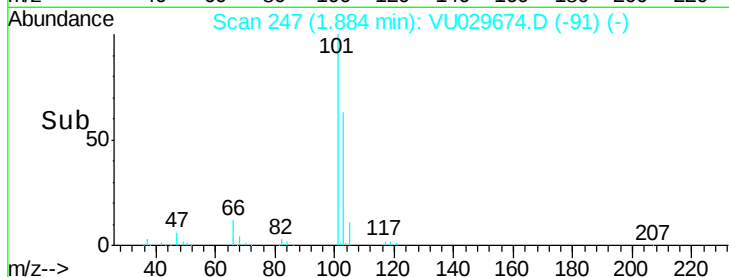
Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		60430		
103	63.2	53.9	80.9		

Manual Integrations
APPROVED

MMDadoda



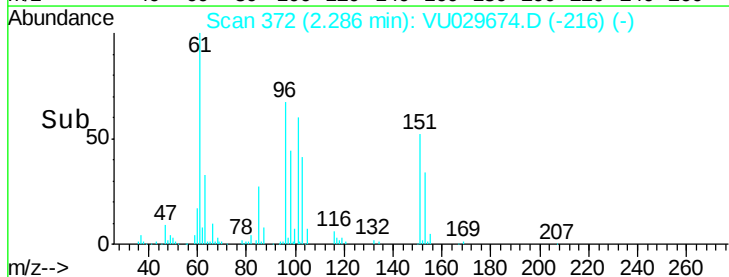
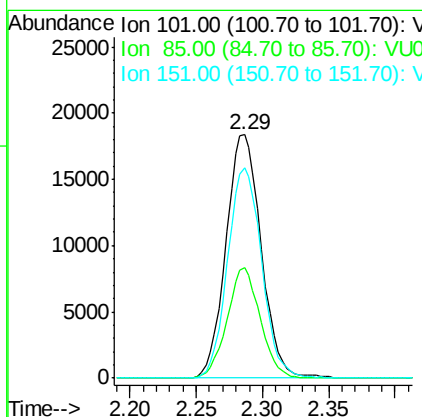
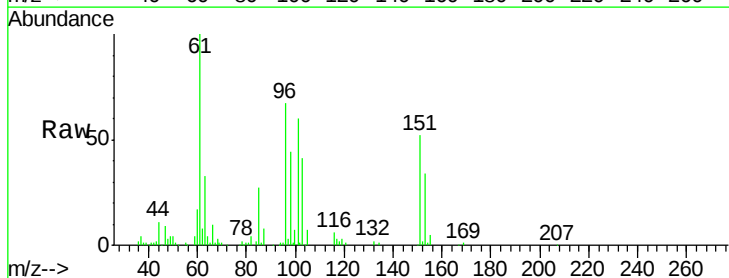
3/5/2019 9:31:51 AM

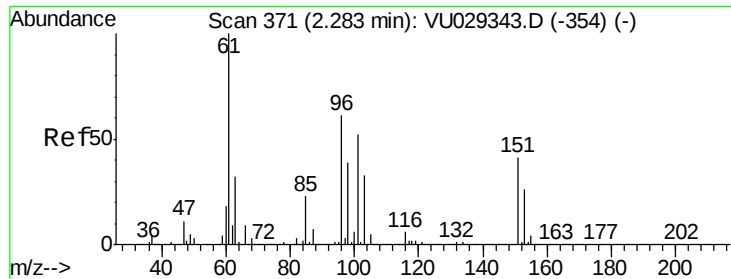


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.874 ug/l
RT: 2.29 min Scan# 372
Delta R.T. 0.00 min
Lab File: VU029674.D
Acq: 26 Feb 2019 11:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
101	100		33851		
85	42.6	40.3	60.5		
151	83.8	58.1	87.1		





#9

1,1-Dichloroethene

Concen: 1.868 ug/l

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU029674.D

Acq: 26 Feb 2019 11:41

Instrument :

MSVOA_U

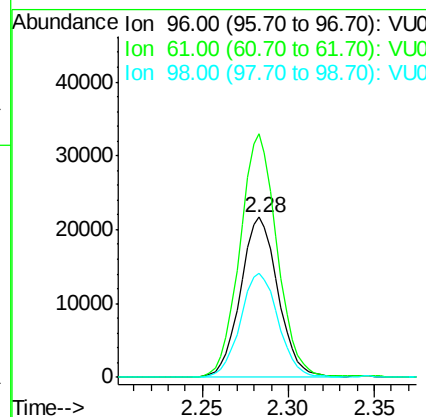
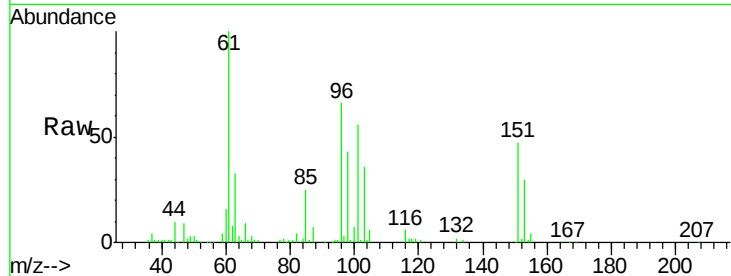
ClientSampleId :

VU0226WBSD01

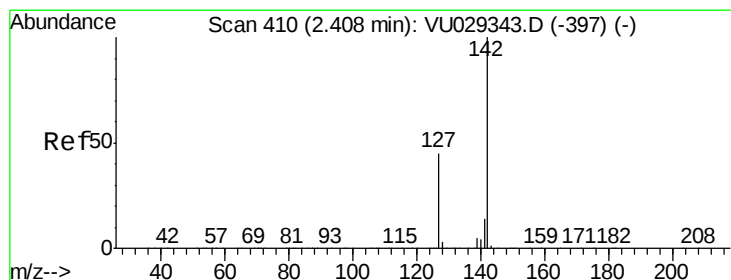
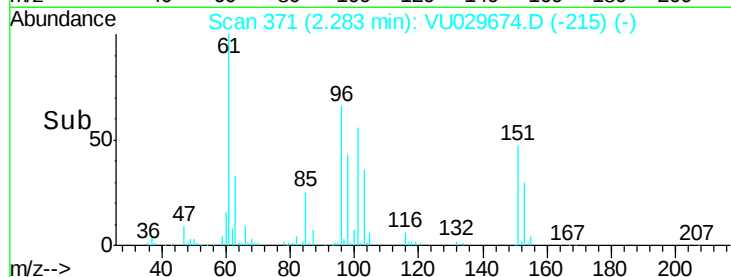
Tot Ion:	96	Resp:	33023
Ion	Ratio	Lower	Upper
96	100		
61	152.0	0.0	641.4
98	64.6	0.0	122.6

Manual Integrations
APPROVED

MMDadoda



3/5/2019 9:31:51 AM



#10

Iodomethane

Concen: 0.979 ug/l

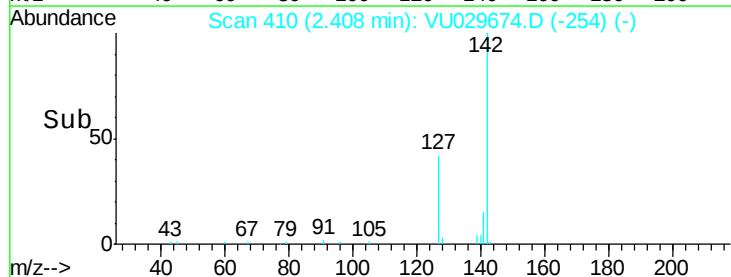
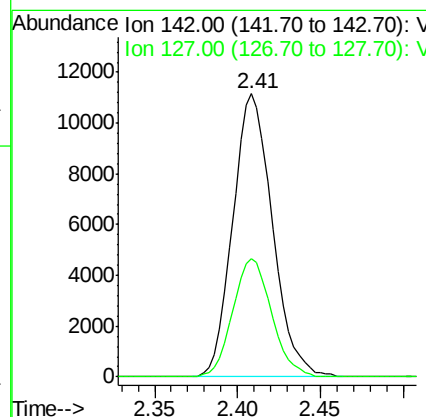
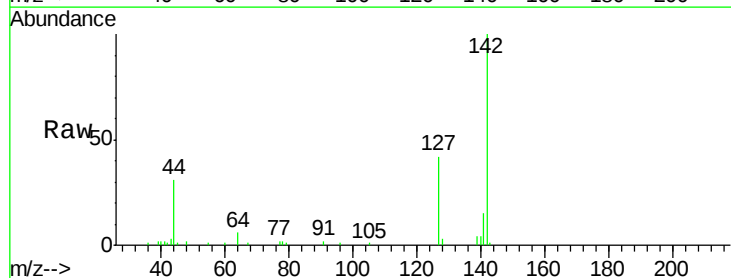
RT: 2.41 min Scan# 410

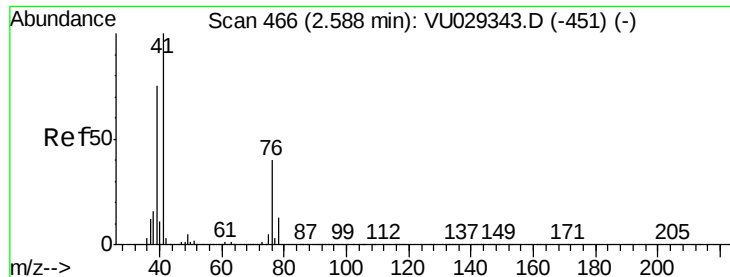
Delta R.T. 0.00 min

Lab File: VU029674.D

Acq: 26 Feb 2019 11:41

Tgt Ion:	142	Resp:	18518
Ion	Ratio	Lower	Upper
142	100		
127	40.8	47.6	71.4#





#11

Allvl Chloride

Concen: 1.556 ug/l

RT: 2.59 min Scan# 466

Delta R.T. 0.00 min

Lab File: VU029674.D

Acq: 26 Feb 2019 11:41

Instrument :

MSVOA_U

ClientSampleId :

VU0226WBSD01

Tot Ion: 41 Resp: 46145

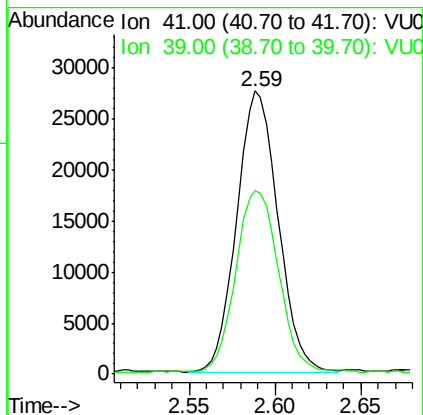
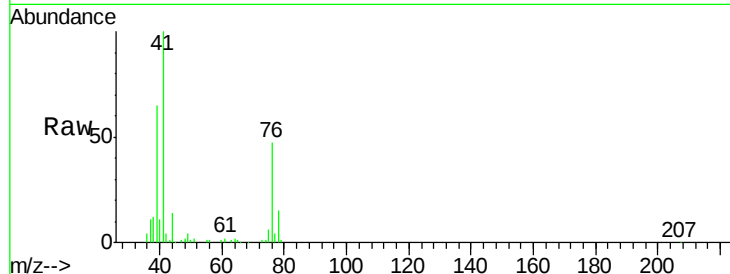
Ion Ratio Lower Upper

41 100

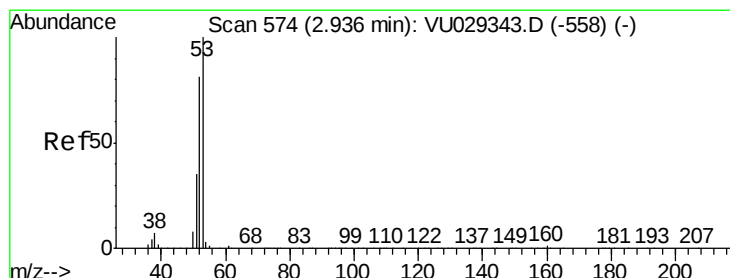
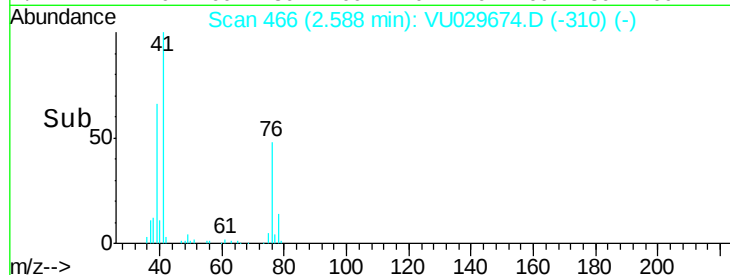
39 65.9 67.2 100.8#

Manual Integrations
APPROVED

MMDadoda



3/5/2019 9:31:51 AM



#12

Acrylonitrile

Concen: 3.615 ug/l

RT: 2.94 min Scan# 574

Delta R.T. 0.00 min

Lab File: VU029674.D

Acq: 26 Feb 2019 11:41

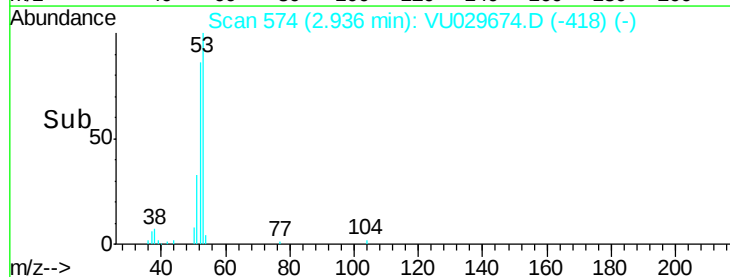
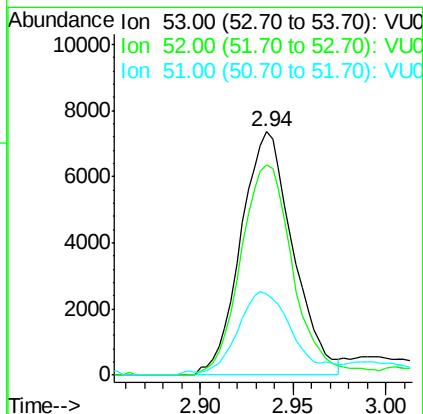
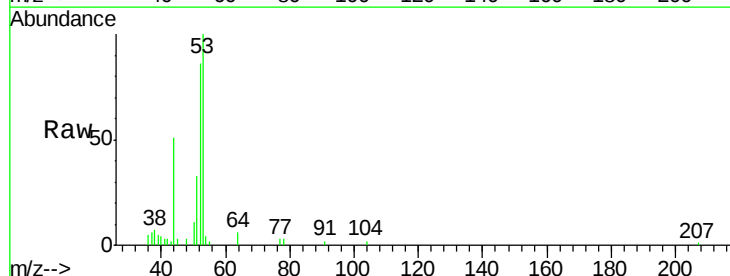
Tgt Ion: 53 Resp: 14325

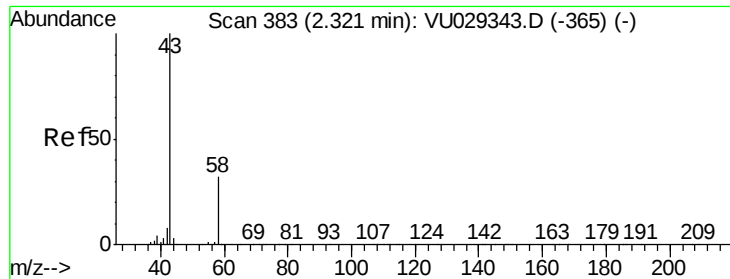
Ion Ratio Lower Upper

53 100

52 86.8 67.6 101.4

51 36.4 31.0 46.4





#13

Acetone

Concen: 7.946 ug/l

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU029674.D

Acq: 26 Feb 2019 11:41

Instrument :

MSVOA_U

ClientSampleId :

VU0226WBSD01

Tot Ion: 43 Resp: 30349

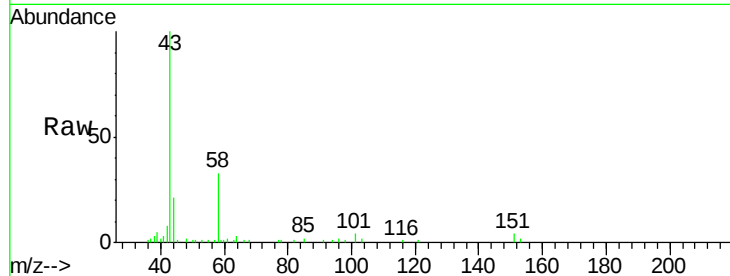
Ion Ratio Lower Upper

43 100

58 33.2 19.2 28.8#

Manual Integrations
APPROVED

MMDadoda



Abundance Ion 43.00 (42.70 to 43.70): VU029343.D (-365) (-)

Ion 58.00 (57.70 to 58.70): VU029343.D (-365) (-)

2.32

20000

15000

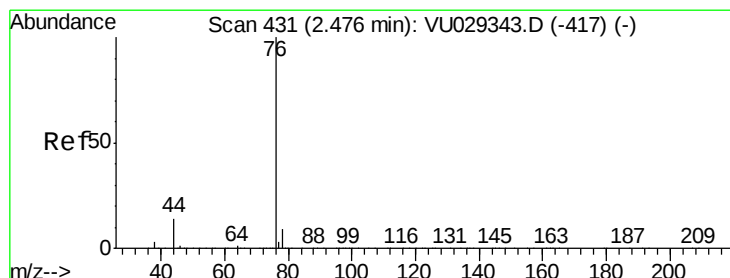
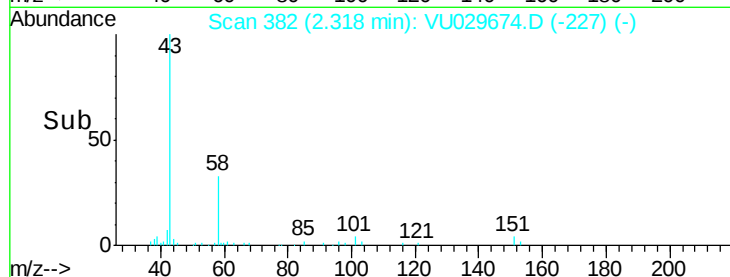
10000

5000

0

Time--> 2.20 2.25 2.30 2.35 2.40

3/5/2019 9:31:51 AM



#14

Carbon Disulfide

Concen: 1.724 ug/l

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU029674.D

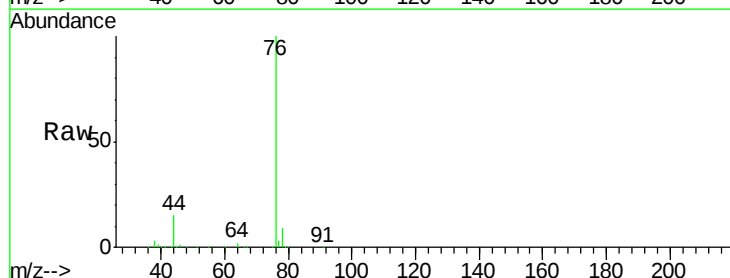
Acq: 26 Feb 2019 11:41

Tgt Ion: 76 Resp: 107646

Ion Ratio Lower Upper

76 100

78 8.5 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU029343.D (-417) (-)

Ion 78.00 (77.70 to 78.70): VU029343.D (-417) (-)

2.47

80000

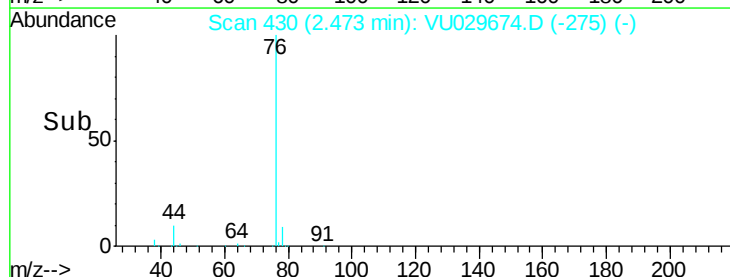
60000

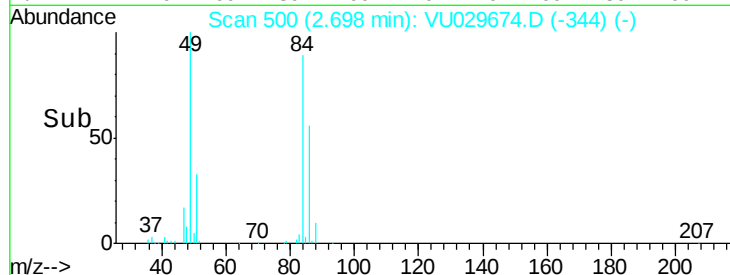
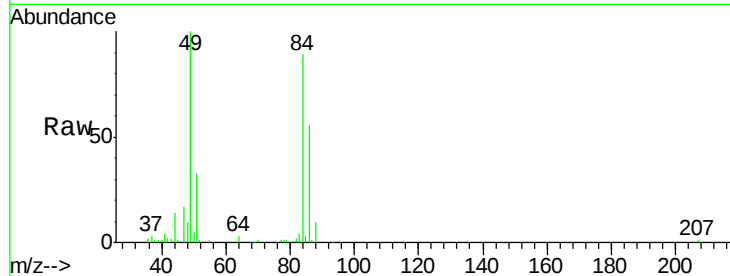
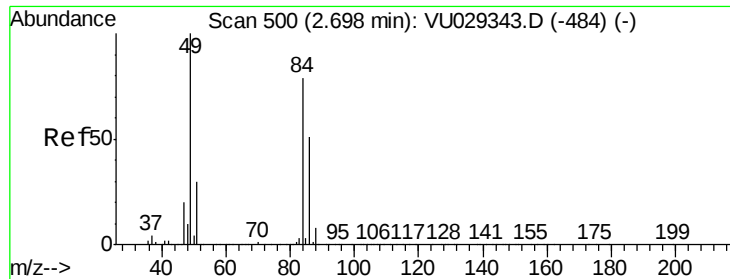
40000

20000

0

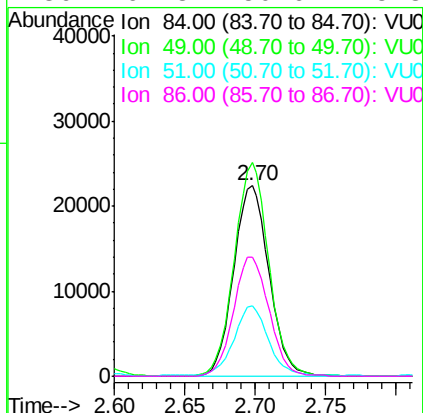
Time--> 2.40 2.45 2.50 2.55





#15
Methvlene Chloride
Concen: 1.839 ug/l
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU029674.D
Acq: 26 Feb 2019 11:41

Tot Ion	84	Resp	39431
Ion Ratio	Lower	Upper	
84	100		
49	112.2	127.0	190.6#
51	36.5	0.0	93.4
86	62.8	50.6	75.8

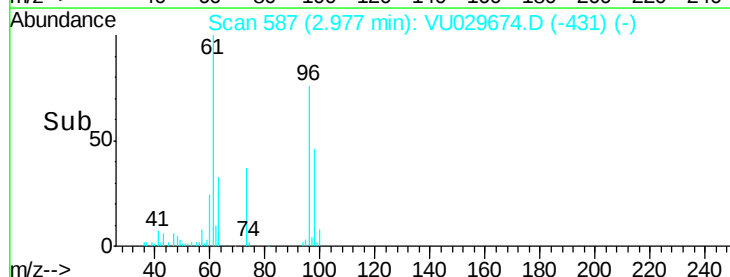
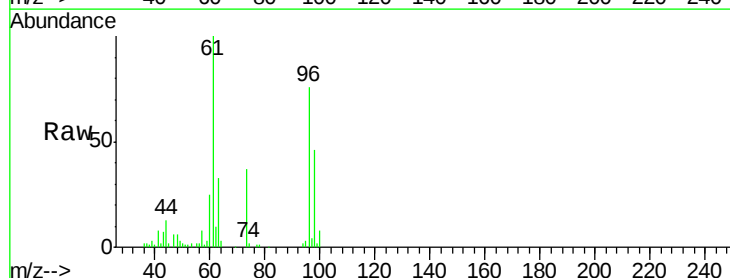
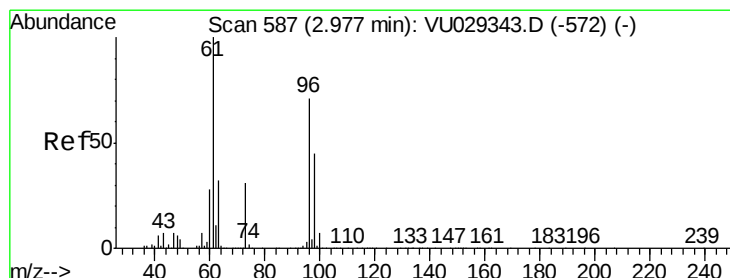


Instrument :
MSVOA_U
ClientSampleId :
VU0226WBSD01

Manual Integrations
APPROVED

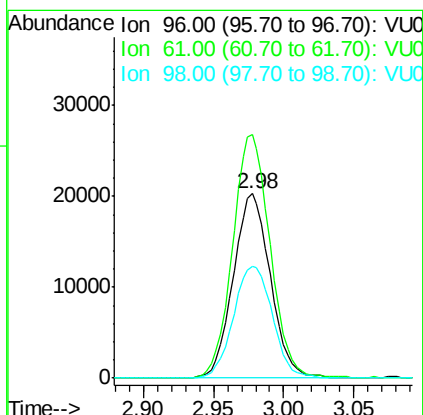
MMDadoda

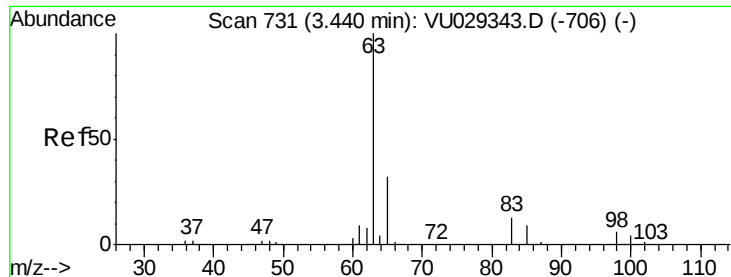
3/5/2019 9:31:51 AM



#16
trans-1,2-Dichloroethene
Concen: 1.888 ug/l
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU029674.D
Acq: 26 Feb 2019 11:41

Tgt Ion	96	Resp	37337
Ion Ratio	Lower	Upper	
96	100		
61	132.1	140.6	210.8#
98	60.7	49.3	73.9





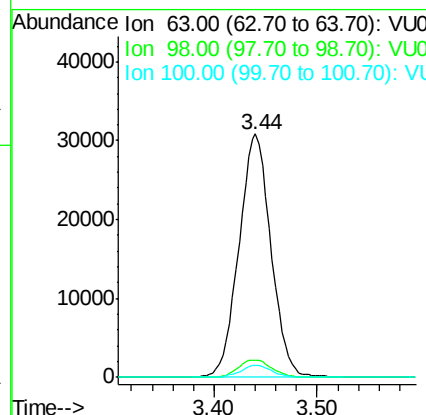
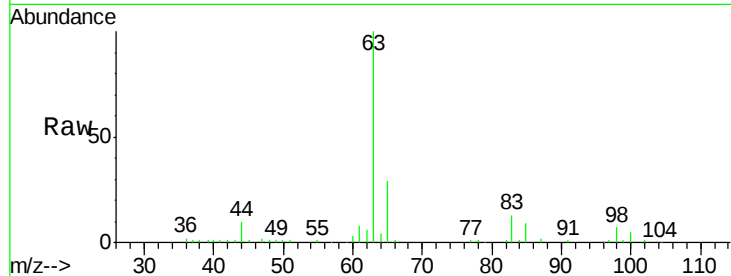
#17
 1,1-Dichloroethane
 Concen: 2.123 ug/l
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU029674.D
 Acq: 26 Feb 2019 11:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0226WBSD01

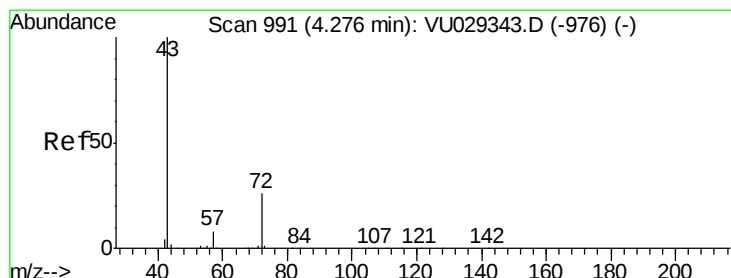
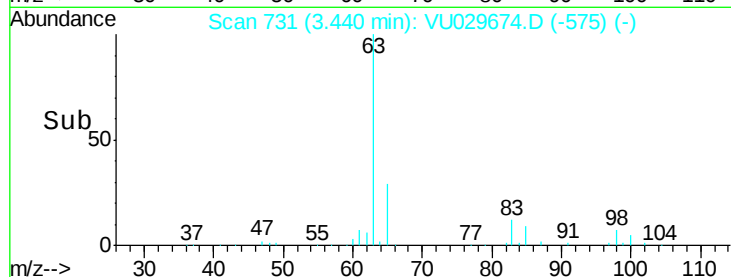
Tot Ion	Ion	Ratio	Resp Lower	Resp Upper
63	100			
98	7.1	2.9	8.8	
100	4.9	1.7	5.1	

Manual Integrations
 APPROVED

MMDadoda

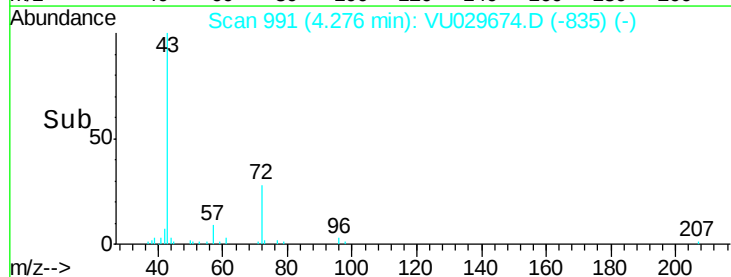
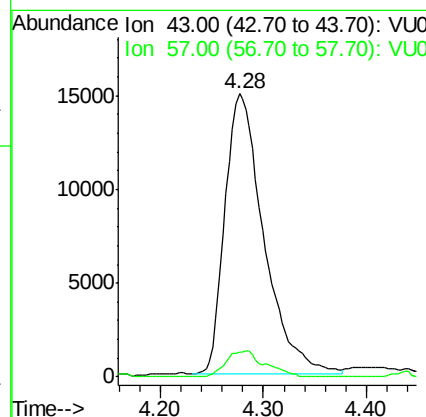
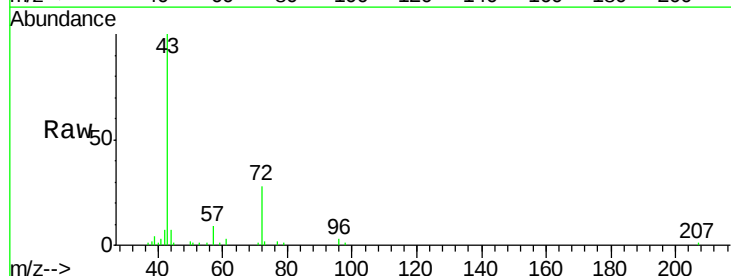


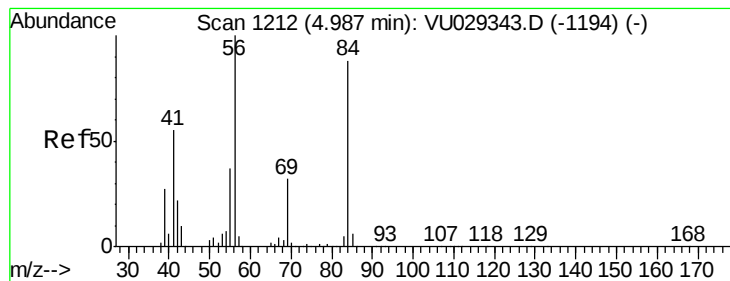
3/5/2019 9:31:51 AM



#18
 2-Butanone
 Concen: 9.184 ug/l
 RT: 4.28 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VU029674.D
 Acq: 26 Feb 2019 11:41

Tgt Ion	Ion	Ratio	Resp Lower	Resp Upper
43	100			
57	8.7	0.0	15.8	





#19

Cyclohexane

Concen: 1.396 ug/l

RT: 4.99 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VU029674.D

Acq: 26 Feb 2019 11:41

Instrument :

MSVOA_U

ClientSampleId :

VU0226WBSD01

Tot Ion: 56 Resp: 40540

Ion Ratio Lower Upper

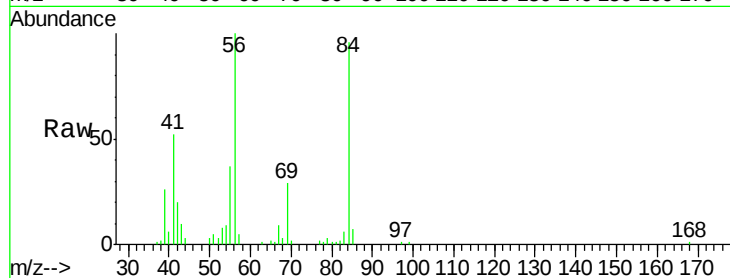
56 100

69 37.2 26.8 40.2

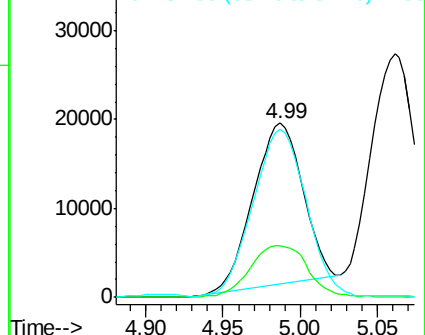
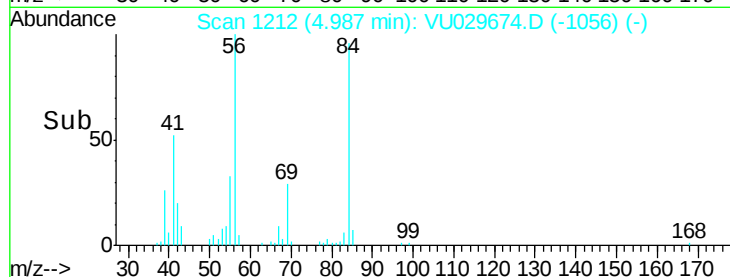
84 111.4 71.5 107.3#

Manual Integrations
APPROVED

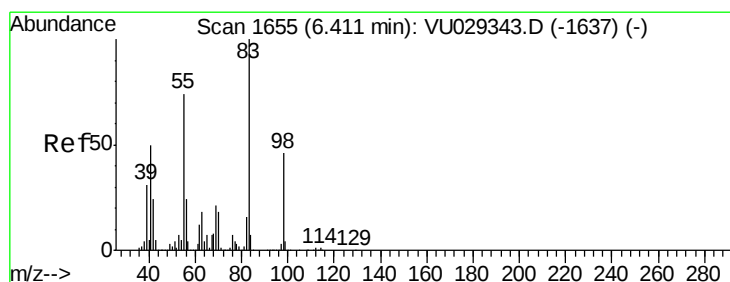
MMDadoda



Abundance Ion 56.00 (55.70 to 56.70): VU029674.D (-1056) (-)



3/5/2019 9:31:51 AM



#20

Methylcyclohexane

Concen: 1.883 ug/l

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU029674.D

Acq: 26 Feb 2019 11:41

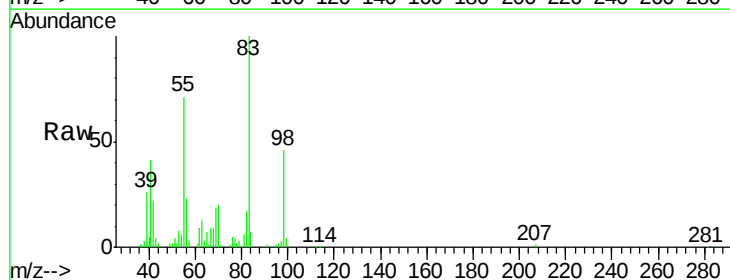
Tgt Ion: 83 Resp: 57467

Ion Ratio Lower Upper

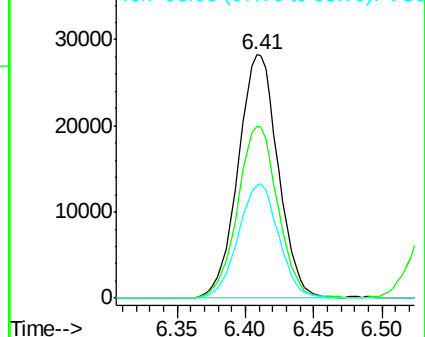
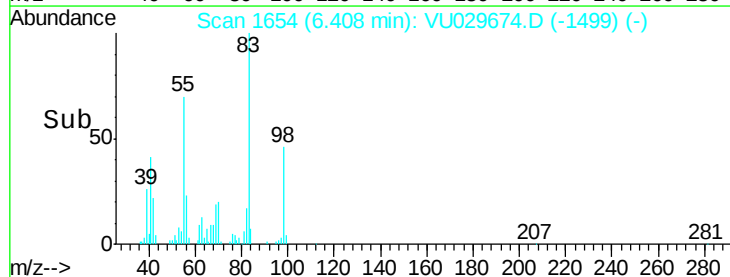
83 100

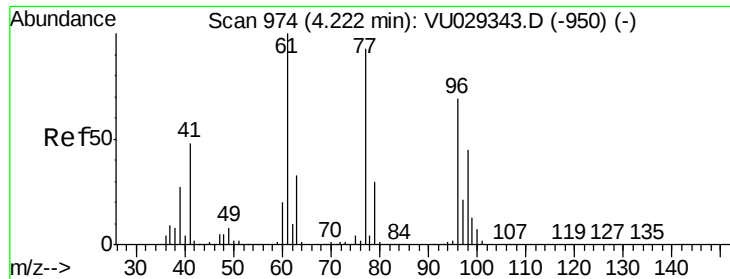
55 70.9 72.4 108.6#

98 47.4 36.6 54.8



Abundance Ion 83.00 (82.70 to 83.70): VU029674.D (-1499) (-)





#21

2,2-Dichloropropane

Concen: 1.716 ug/l

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU029674.D

Acq: 26 Feb 2019 11:41

Instrument :

MSVOA_U

ClientSampleId :

VU0226WBSD01

Tot Ion: 77 Resp: 49753

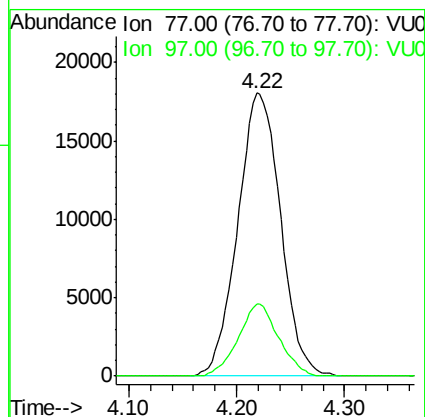
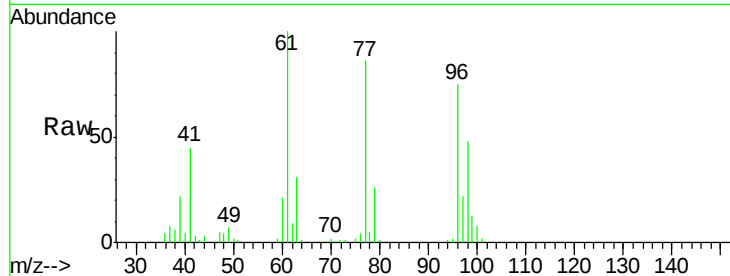
Ion Ratio Lower Upper

77 100

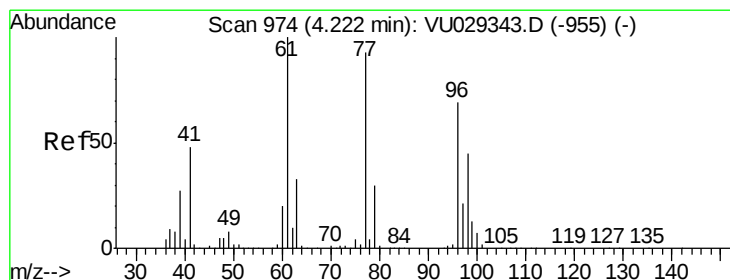
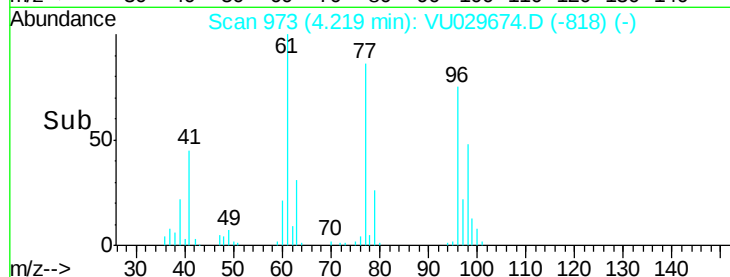
97 23.9 15.6 23.4#

Manual Integrations
APPROVED

MMDadoda



3/5/2019 9:31:51 AM



#22

cis-1,2-Dichloroethene

Concen: 2.099 ug/l

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU029674.D

Acq: 26 Feb 2019 11:41

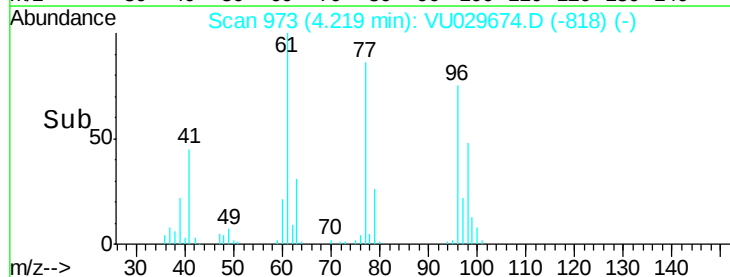
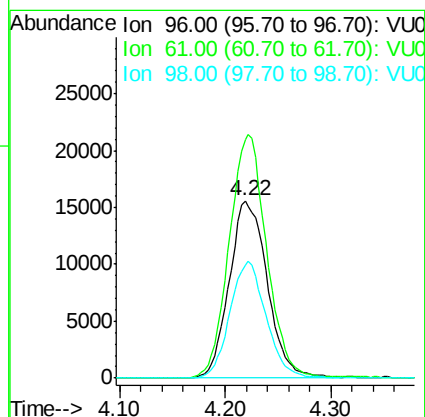
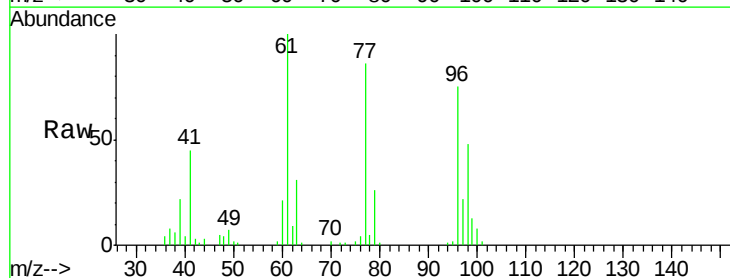
Tgt Ion: 96 Resp: 39086

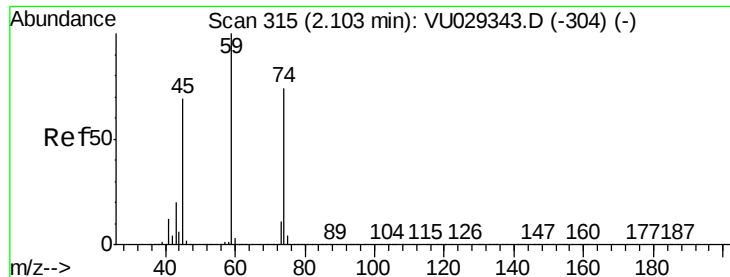
Ion Ratio Lower Upper

96 100

61 134.2 0.0 460.0

98 62.4 32.6 97.7





#23

Diethyl Ether

Concen: 1.759 ug/l

RT: 2.10 min Scan# 315

Delta R.T. 0.00 min

Lab File: VU029674.D

Acq: 26 Feb 2019 11:41

Instrument :

MSVOA_U

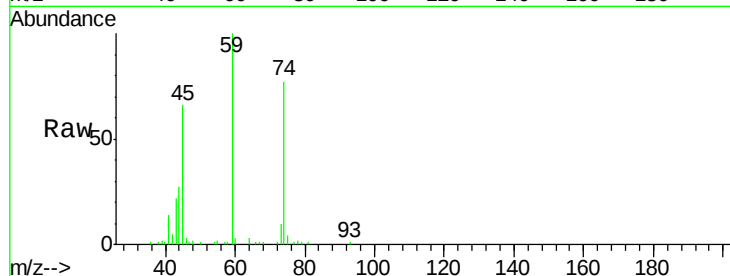
ClientSampleId :

VU0226WBSD01

Tot Ion:	59	Resp:	24981
Ion Ratio	Lower	Upper	
59	100		
45	65.2	64.2	96.4
74	77.6	55.3	82.9

Manual Integrations
APPROVED

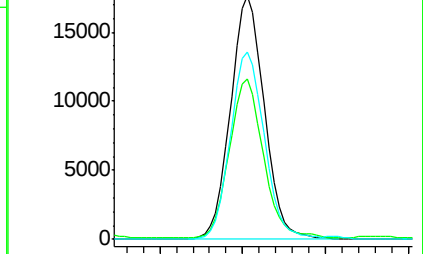
MMDadoda



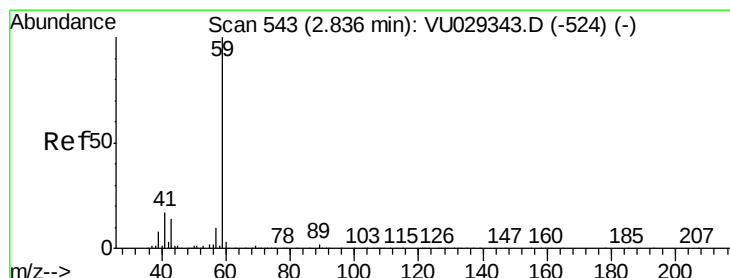
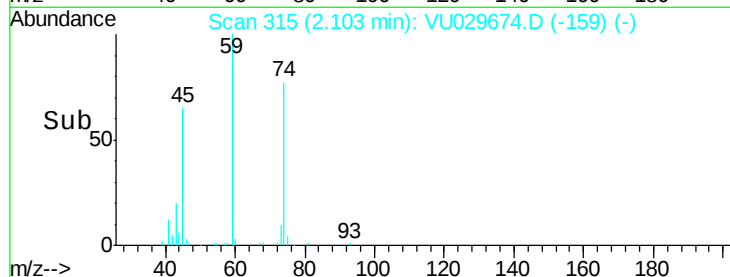
Abundance Ion 59.00 (58.70 to 59.70): VU029343.D (-304) (-)

Ion 45.00 (44.70 to 45.70): VU029343.D (-304) (-)

Ion 74.00 (73.70 to 74.70): VU029343.D (-304) (-)



3/5/2019 9:31:51 AM



#24

tert-Butyl Alcohol

Concen: 17.380 ug/l

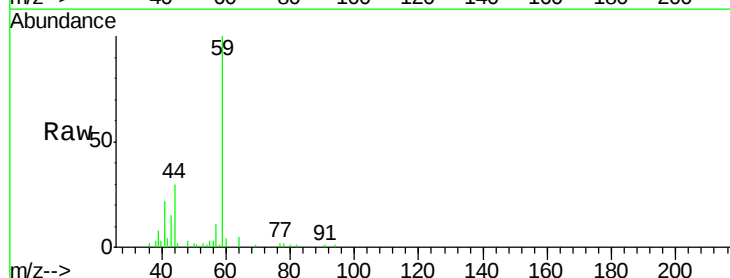
RT: 2.84 min Scan# 543

Delta R.T. 0.00 min

Lab File: VU029674.D

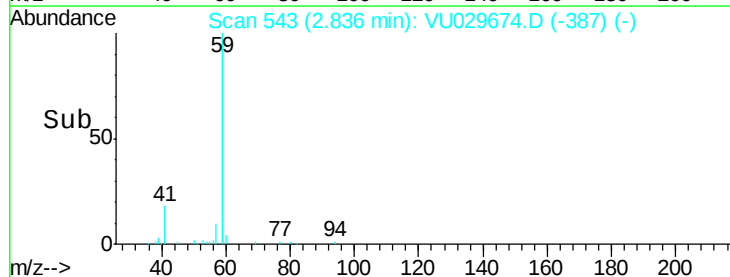
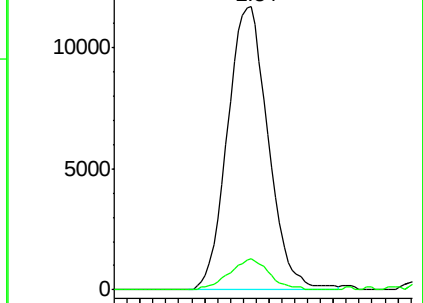
Acq: 26 Feb 2019 11:41

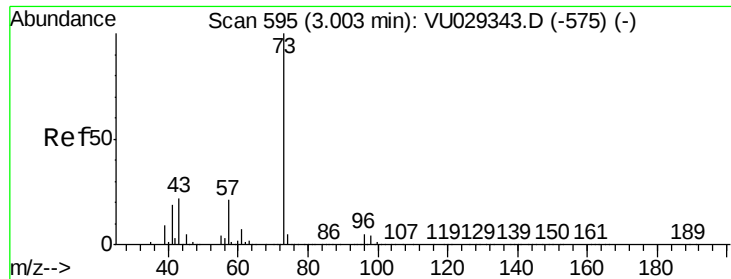
Tgt Ion:	59	Resp:	25644
Ion Ratio	Lower	Upper	
59	100		
57	10.9	8.8	13.2



Abundance Ion 59.00 (58.70 to 59.70): VU029343.D (-524) (-)

Ion 57.00 (56.70 to 57.70): VU029343.D (-524) (-)





#25

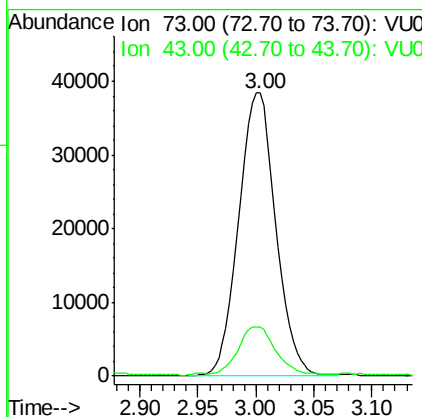
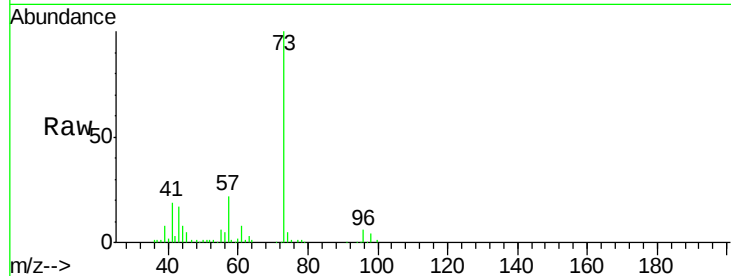
Methyl tert-Butyl Ether
Concen: 1.724 ug/l
RT: 3.00 min Scan# 595
Delta R.T. 0.00 min
Lab File: VU029674.D
Acq: 26 Feb 2019 11:41

Instrument :
MSVOA_U
ClientSampleId :
VU0226WBSD01

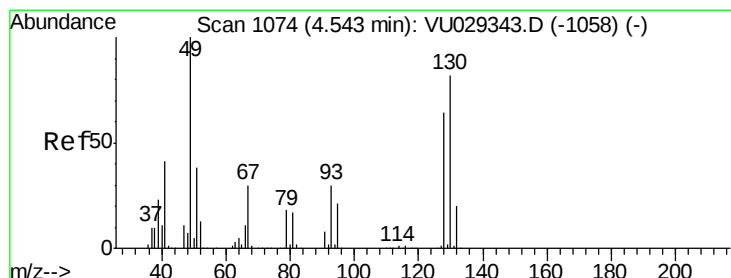
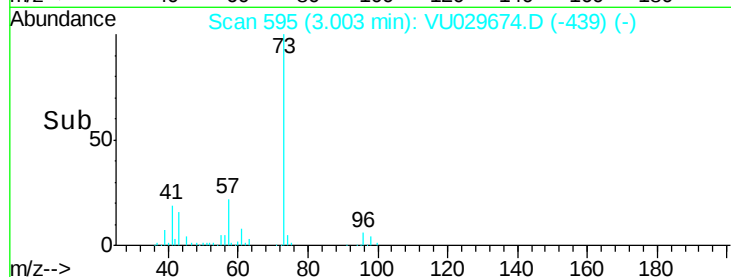
Tot Ion	Ratio	Lower	Upper
73	100		
43	16.8	22.1	33.1#

Manual Integrations
APPROVED

MMDadoda



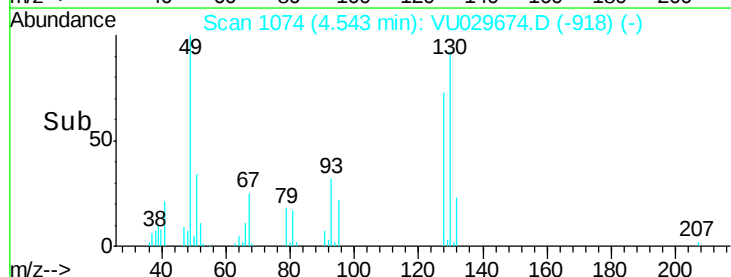
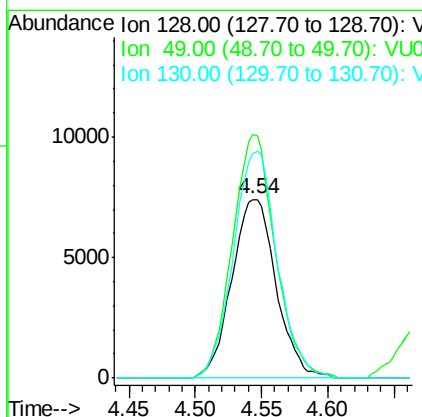
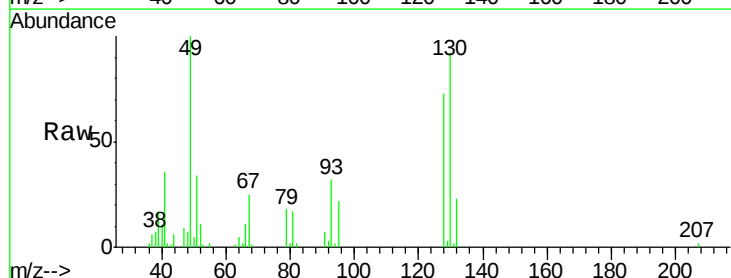
3/5/2019 9:31:51 AM

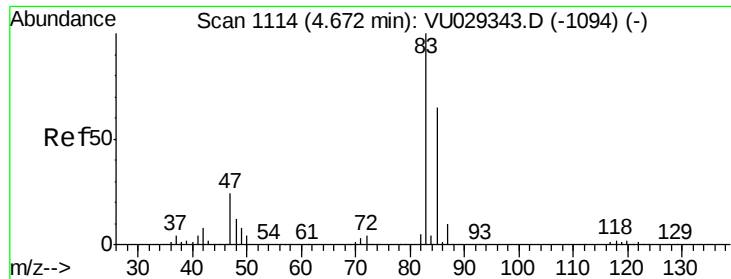


#26

Bromochloromethane
Concen: 2.098 ug/l
RT: 4.54 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VU029674.D
Acq: 26 Feb 2019 11:41

Tgt Ion	Ratio	Lower	Upper
128	100		
49	132.4	0.0	401.6
130	125.6	108.0	162.0





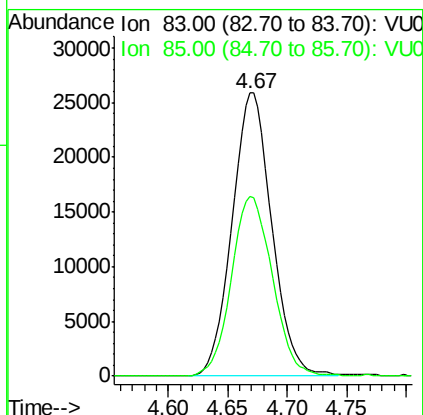
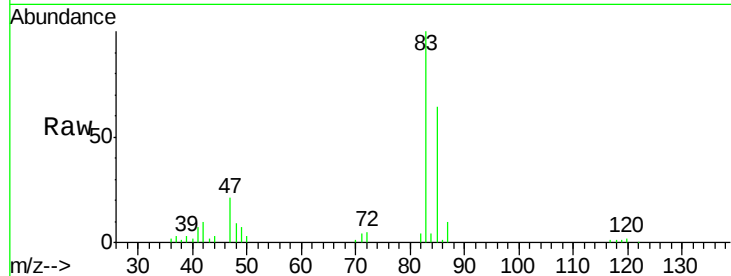
#27
Chloroform
Concen: 1.966 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU029674.D
Acq: 26 Feb 2019 11:41

Instrument :
MSVOA_U
ClientSampleId :
VU0226WBSD01

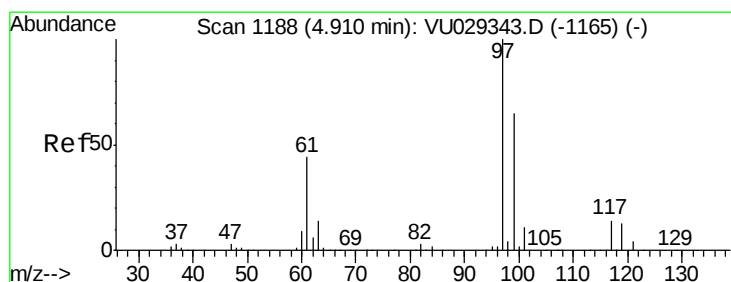
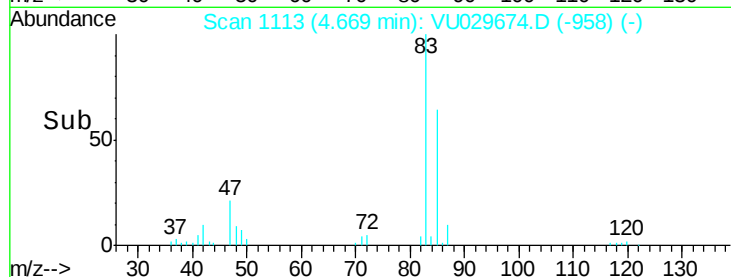
Tot Ion	83	Resp	59898
Ion Ratio	100	Lower	Upper
85	63.6	0.0	126.6

Manual Integrations
APPROVED

MM Dadoda

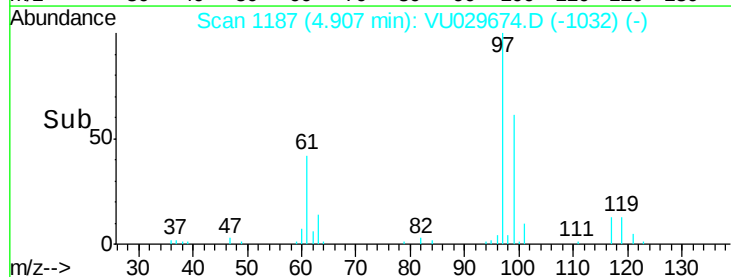
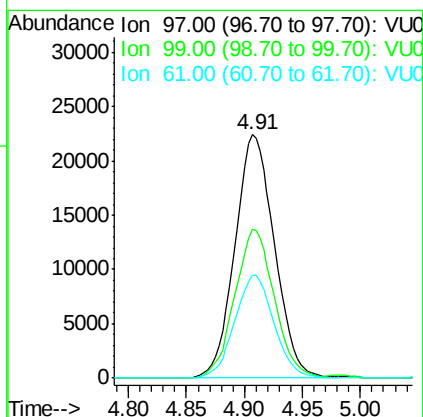
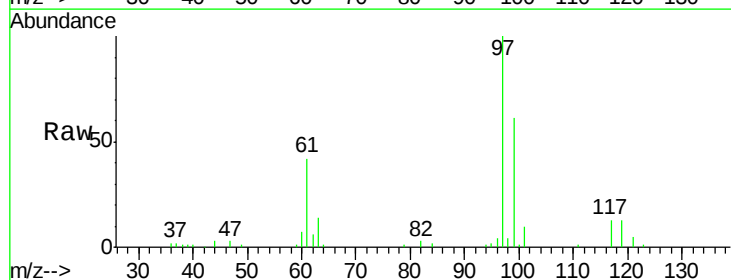


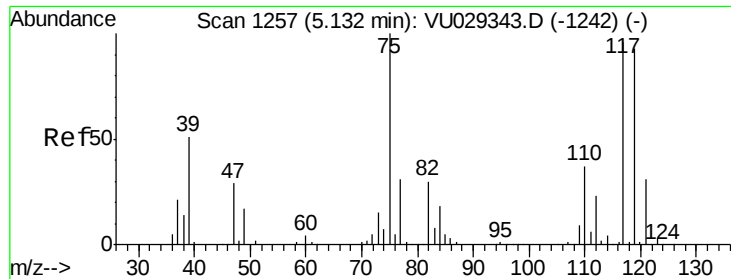
3/5/2019 9:31:51 AM



#28
1,1,1-Trichloroethane
Concen: 1.884 ug/l
RT: 4.91 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU029674.D
Acq: 26 Feb 2019 11:41

Tgt Ion	97	Resp	53201
Ion Ratio	100	Lower	Upper
99	61.1	32.4	97.2
61	41.8	24.4	73.2





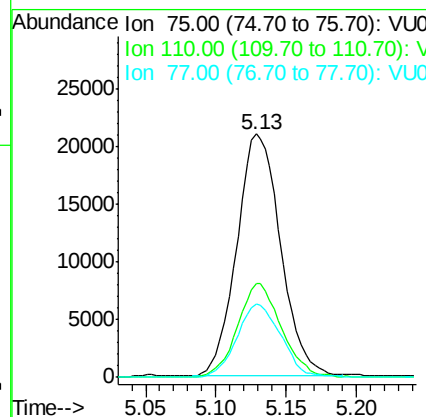
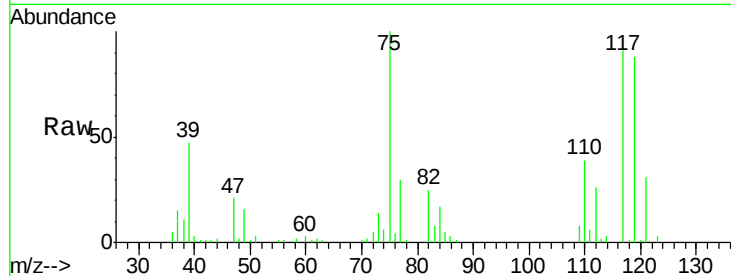
#29
 1,1-Dichloropropene
 Concen: 1.854 ug/l
 RT: 5.13 min Scan# 1256
 Delta R.T. -0.00 min
 Lab File: VU029674.D
 Acq: 26 Feb 2019 11:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0226WBSD01

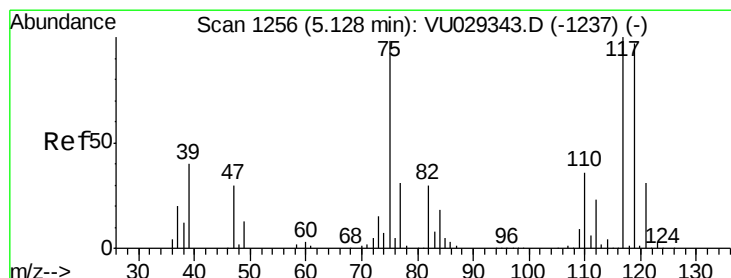
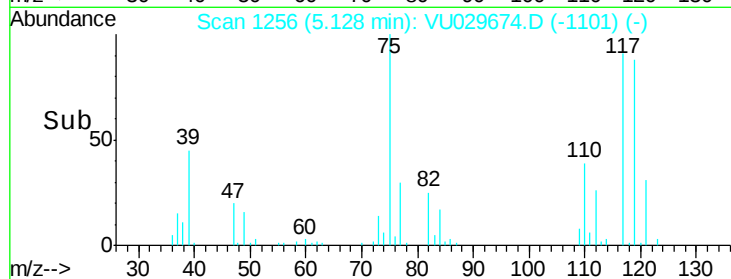
Tot Ion	Ratio	Lower	Upper
75	100		
110	38.7	15.4	46.2
77	30.5	24.1	36.1

Manual Integrations
 APPROVED

MM Dadoda

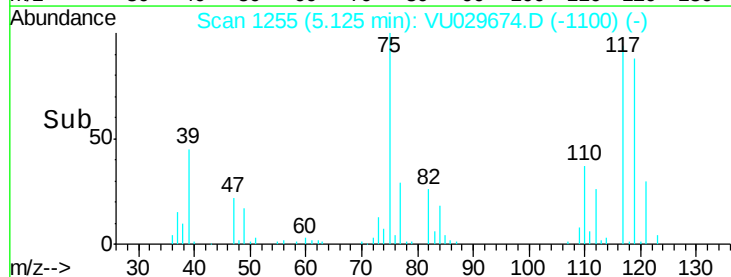
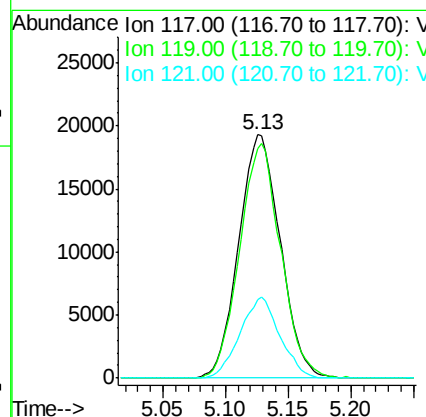
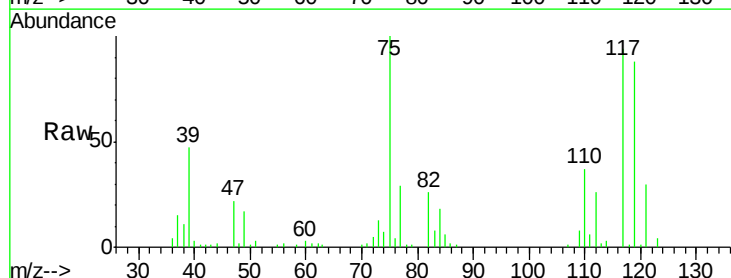


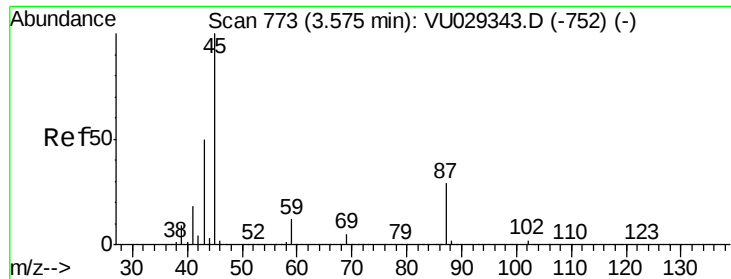
3/5/2019 9:31:51 AM



#30
 Carbon Tetrachloride
 Concen: 1.739 ug/l
 RT: 5.13 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: VU029674.D
 Acq: 26 Feb 2019 11:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.4	76.8	115.2
121	32.3	24.4	36.6





#31

Isopropyl Ether

Concen: 1.777 ug/l

RT: 3.58 min Scan# 773

Delta R.T. 0.00 min

Lab File: VU029674.D

Acq: 26 Feb 2019 11:41

Tot Ion: 45 Resp: 83995

Ion Ratio Lower Upper

45 100

43 49.0 28.4 85.3

Instrument :

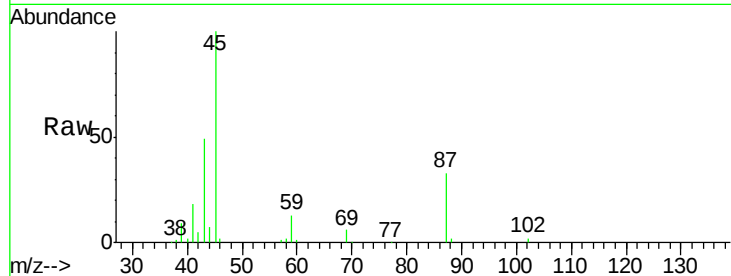
MSVOA_U

ClientSampled :

VU0226WBSD01

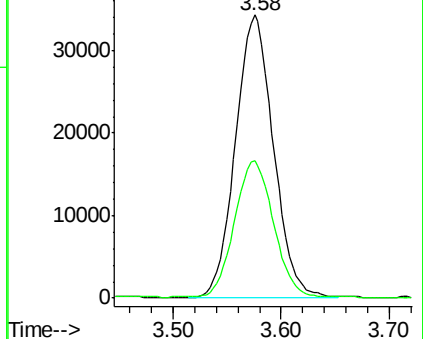
Manual Integrations
APPROVED

MMDadoda

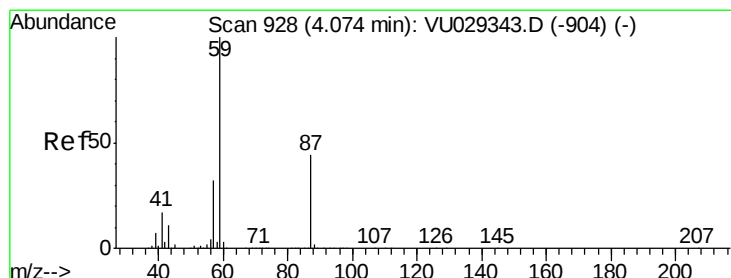
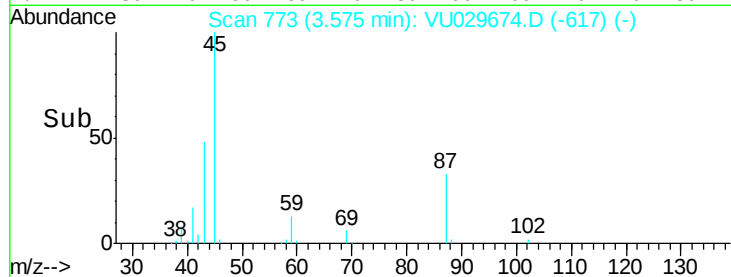


Abundance Ion 45.00 (44.70 to 45.70): VU029674.D (-617) (-)

Ion 43.00 (42.70 to 43.70): VU029674.D (-617) (-)



3/5/2019 9:31:51 AM



#32

Ethyl-t-butyl ether

Concen: 1.809 ug/l

RT: 4.07 min Scan# 927

Delta R.T. -0.00 min

Lab File: VU029674.D

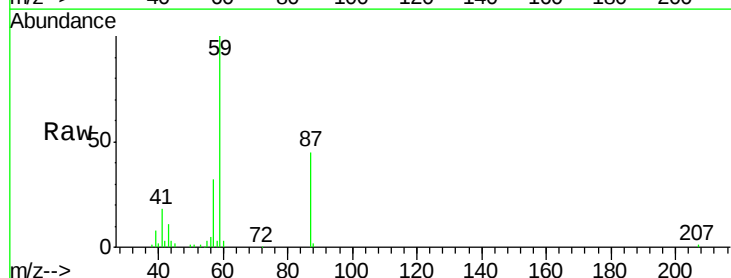
Acq: 26 Feb 2019 11:41

Tgt Ion: 59 Resp: 85727

Ion Ratio Lower Upper

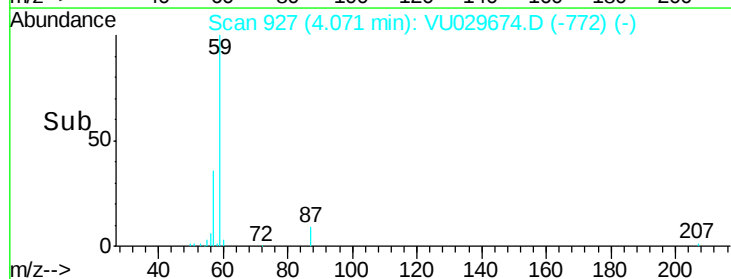
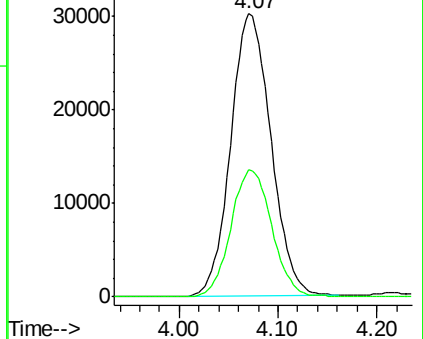
59 100

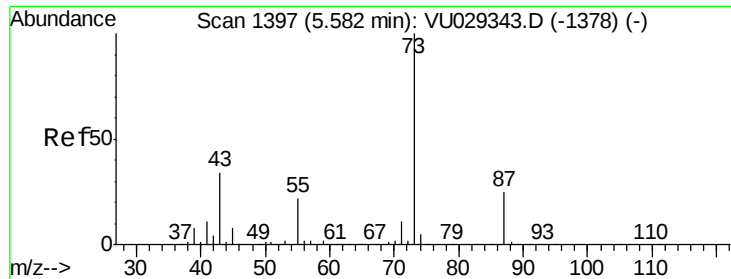
87 44.9 31.1 46.7



Abundance Ion 59.00 (58.70 to 59.70): VU029674.D (-772) (-)

Ion 87.00 (86.70 to 87.70): VU029674.D (-772) (-)





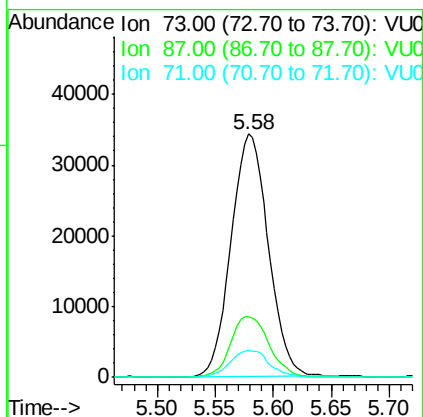
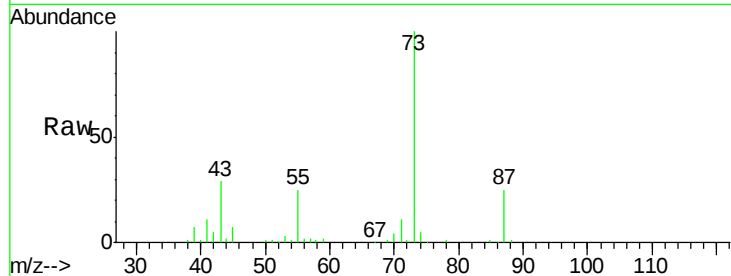
#33
Tert-Butyl methyl ether
Concen: 1.790 ug/l
RT: 5.58 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU029674.D
Acq: 26 Feb 2019 11:41

Instrument :
MSVOA_U
ClientSampleId :
VU0226WBSD01

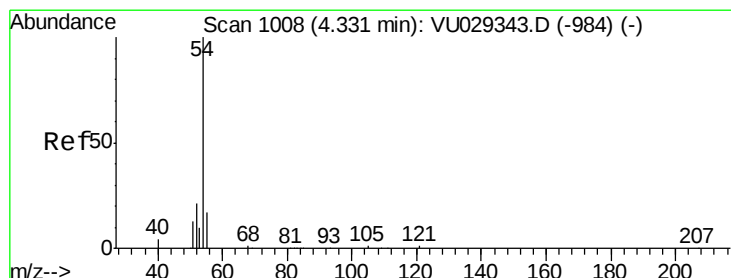
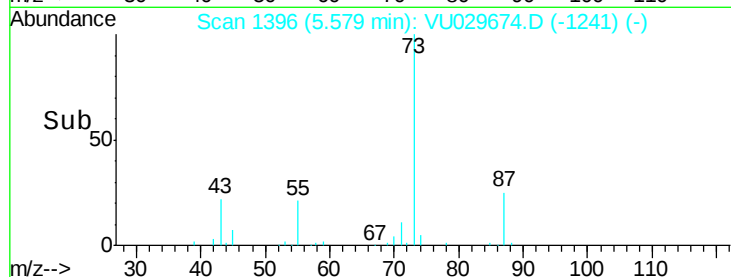
Tot Ion:	73	Resp:	76674
Ion	Ratio	Lower	Upper
73	100		
87	25.9	19.4	29.0
71	11.6	9.0	13.4

Manual Integrations
APPROVED

MMDadoda

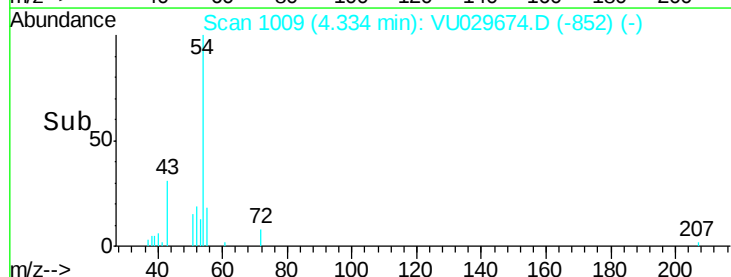
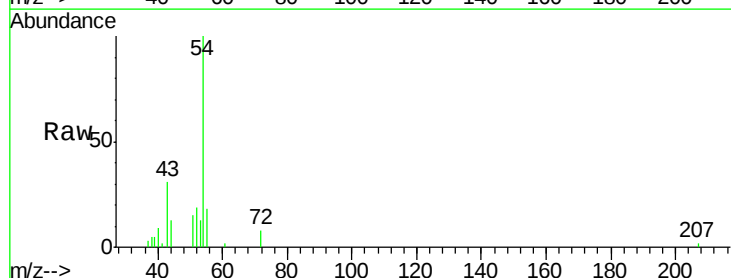
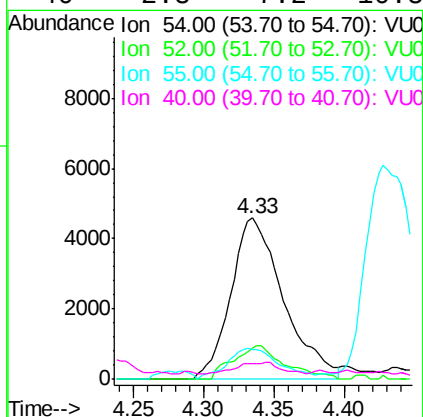


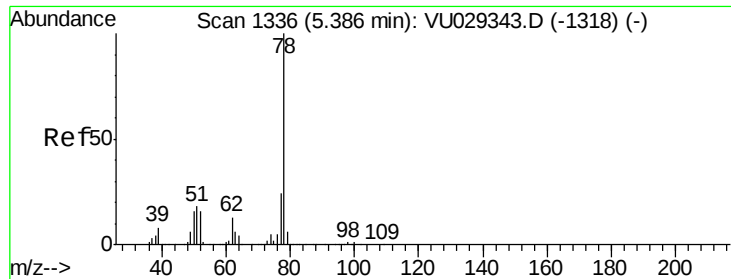
3/5/2019 9:31:51 AM



#34
Propionitrile
Concen: 10.654 ug/l
RT: 4.33 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VU029674.D
Acq: 26 Feb 2019 11:41

Tgt Ion:	54	Resp:	11954
Ion	Ratio	Lower	Upper
54	100		
52	20.0	18.9	28.3
55	18.8	15.1	22.7
40	2.8	7.2	10.8





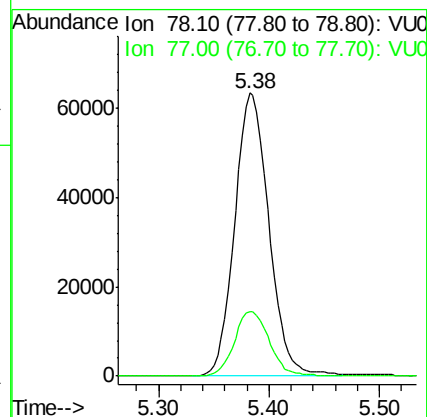
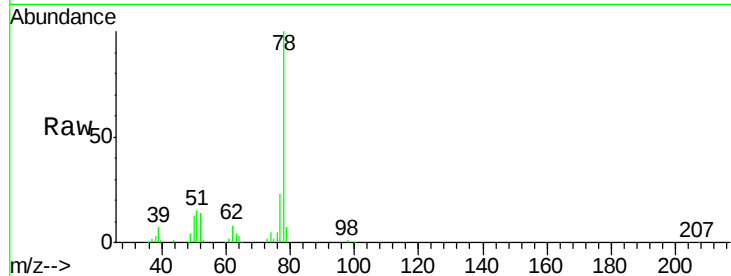
#35
Benzene
Concen: 2.014 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU029674.D
Acq: 26 Feb 2019 11:41

Instrument :
MSVOA_U
ClientSampleId :
VU0226WBSD01

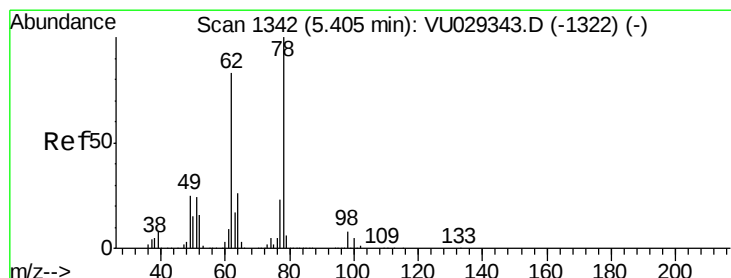
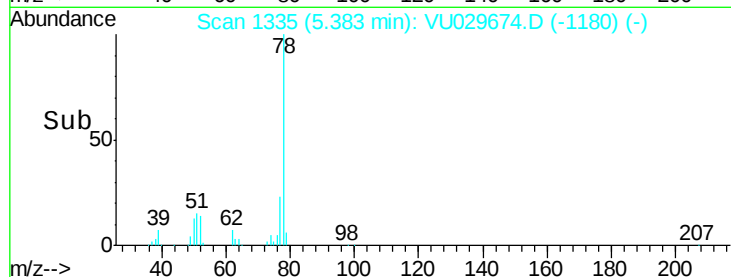
Tot Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.8	29.8

Manual Integrations
APPROVED

MM Dadoda

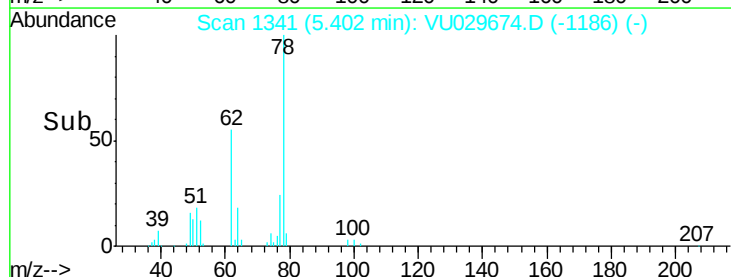
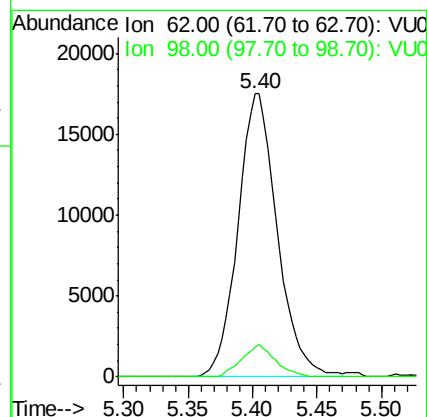
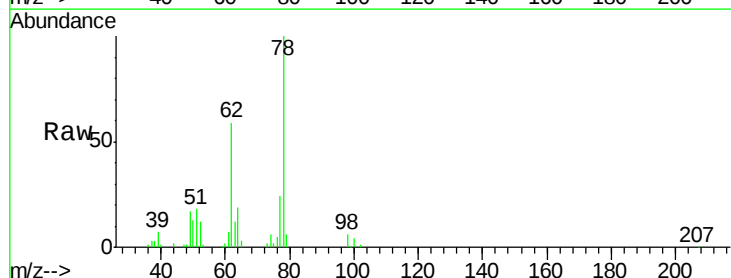


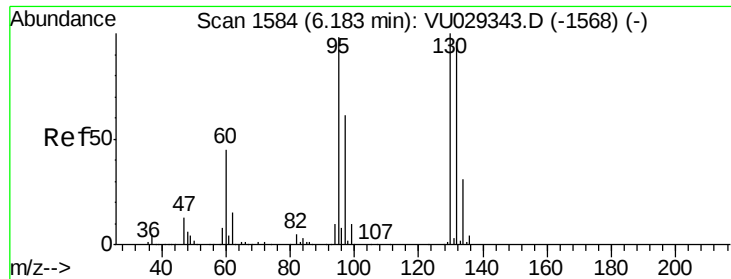
3/5/2019 9:31:51 AM



#36
1,2-Dichloroethane
Concen: 1.809 ug/l
RT: 5.40 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VU029674.D
Acq: 26 Feb 2019 11:41

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	4.9	7.3#





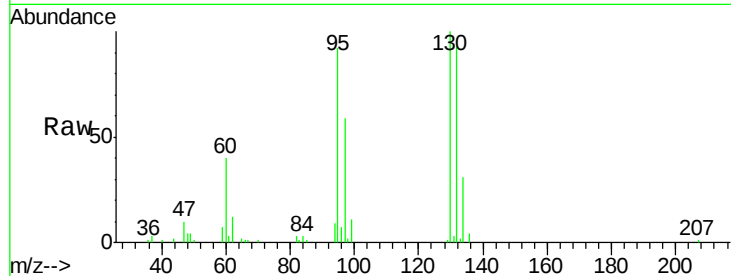
#37
 Trichloroethene
 Concen: 2.097 ug/l
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VU029674.D
 Acq: 26 Feb 2019 11:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0226WBSD01

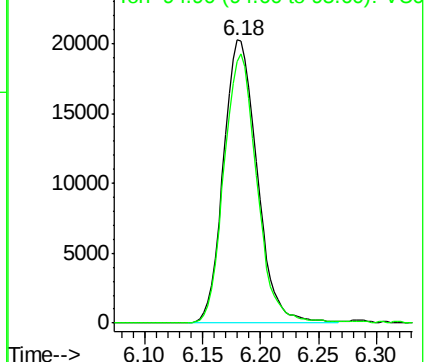
Tot Ion:130 Resp: 40797
 Ion Ratio Lower Upper
 130 100
 95 92.4 85.4 128.0

Manual Integrations
 APPROVED

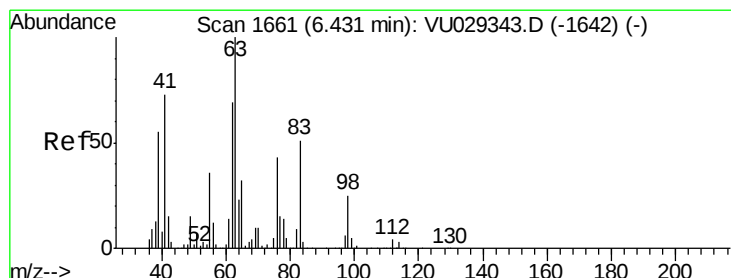
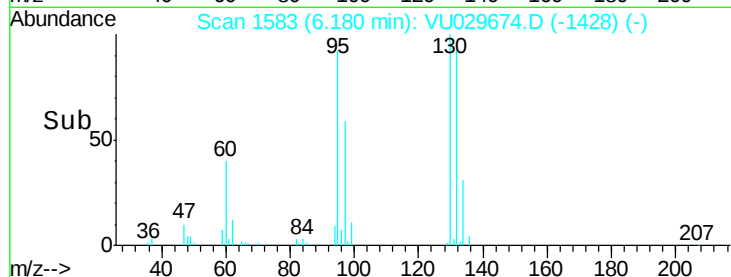
MMDadoda



Abundance Ion 129.90 (129.60 to 130.60): VU029343.D (-1568) (-)
 Ion 94.90 (94.60 to 95.60): VU029343.D (-1568) (-)

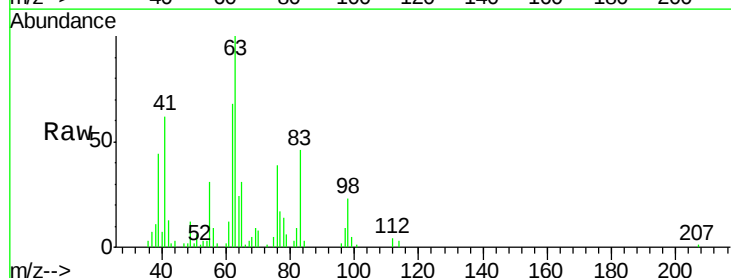


3/5/2019 9:31:51 AM

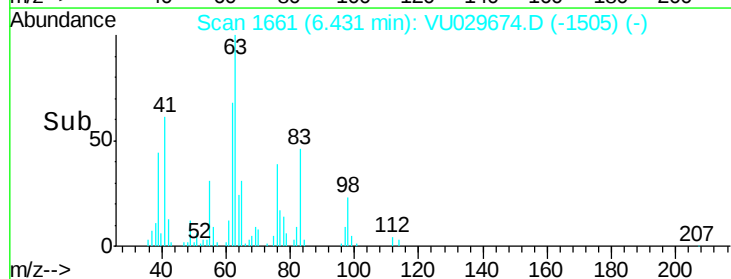
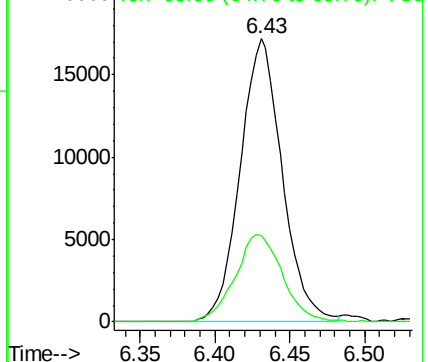


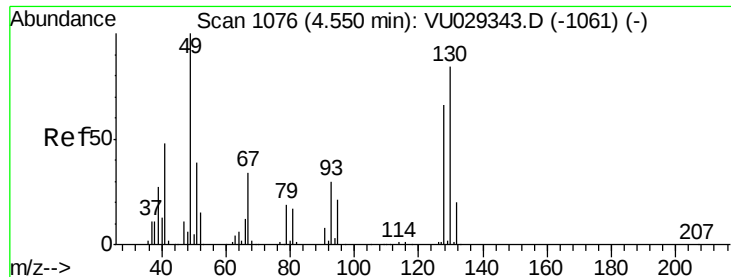
#38
 1,2-Dichloropropane
 Concen: 1.906 ug/l
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU029674.D
 Acq: 26 Feb 2019 11:41

Tgt Ion: 63 Resp: 33611
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.5 38.3



Abundance Ion 63.00 (62.70 to 63.70): VU029343.D (-1642) (-)
 Ion 65.00 (64.70 to 65.70): VU029343.D (-1642) (-)





#39
Methacrylonitrile
Concen: 1.746 ug/l
RT: 4.55 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VU029674.D
Acq: 26 Feb 2019 11:41

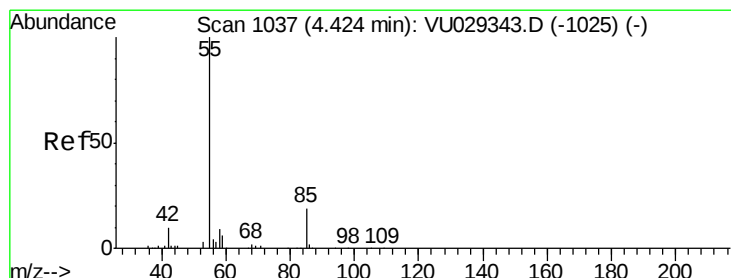
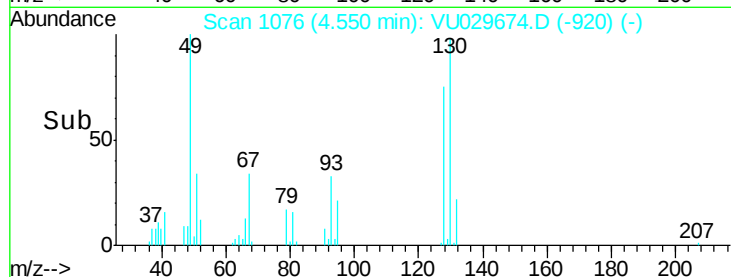
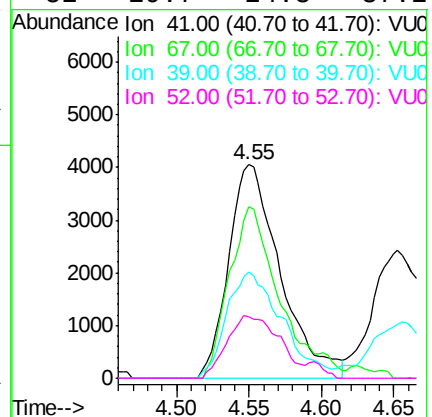
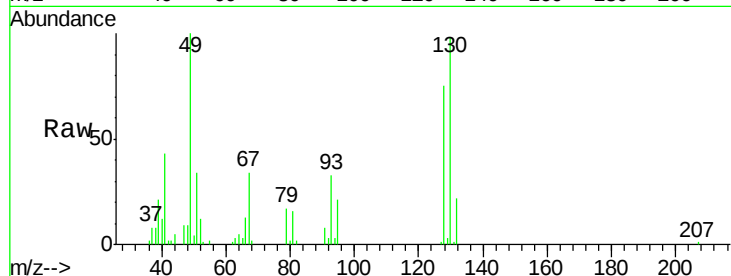
Instrument :
MSVOA_U
ClientSampleId :
VU0226WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
67	78.4	50.1	75.1#
39	53.1	47.9	71.9
52	29.7	24.8	37.2

Manual Integrations
APPROVED

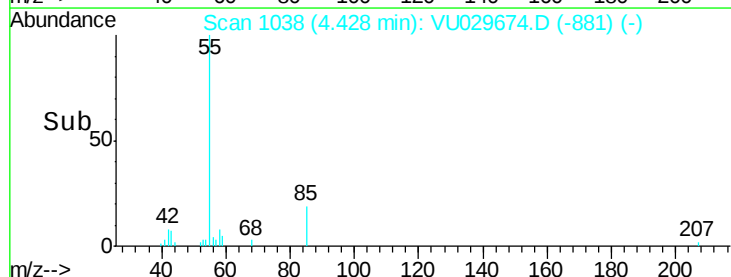
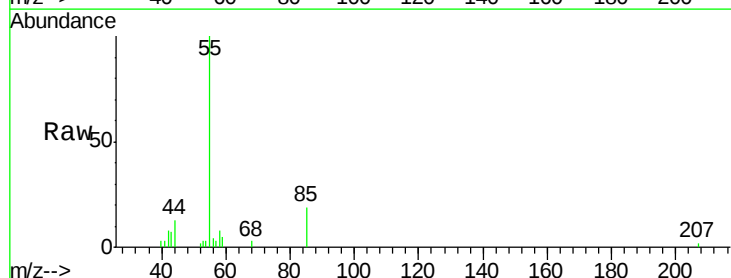
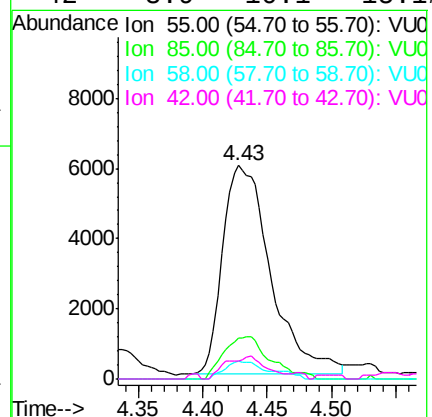
MMDadoda

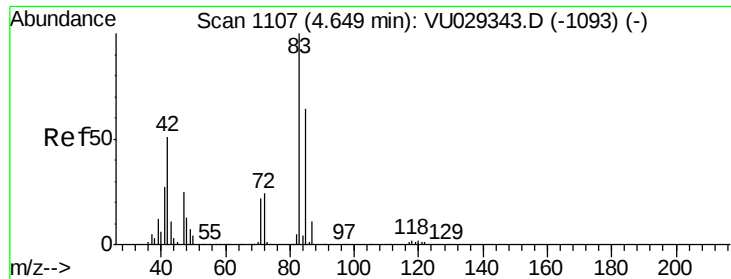
3/5/2019 9:31:51 AM



#40
Methyl acrylate
Concen: 1.790 ug/l
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VU029674.D
Acq: 26 Feb 2019 11:41

Tgt Ion	Ratio	Lower	Upper
55	100		
85	19.3	11.3	16.9#
58	6.4	6.2	9.4
42	8.9	10.1	15.1#





#41

Tetrahydrofuran

Concen: 3.456 ug/l

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VU029674.D

Acq: 26 Feb 2019 11:41

Instrument :

MSVOA_U

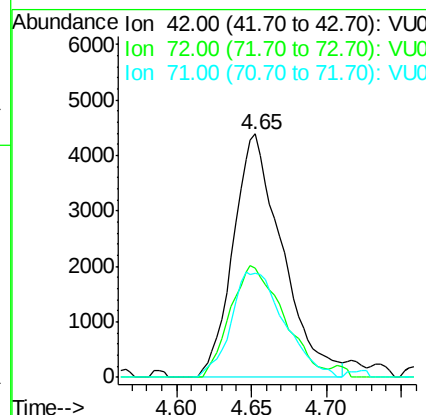
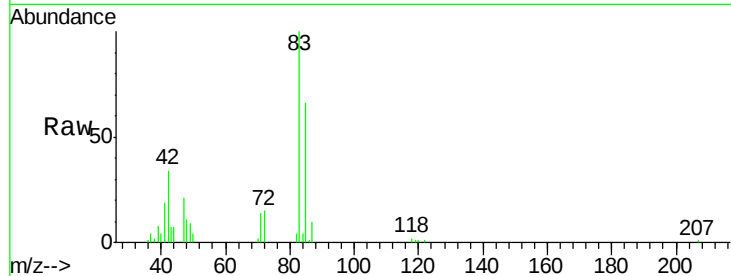
ClientSampleId :

VU0226WBSD01

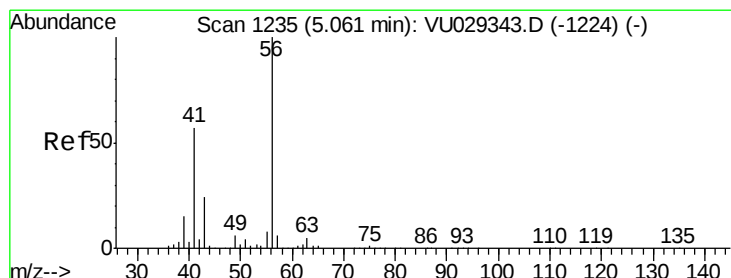
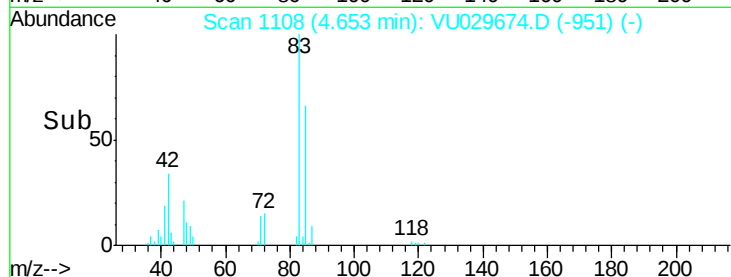
Tot Ion	Ion	Ratio	Resp	Lower	Upper
42	100				
72	49.9	33.1	49.7#		
71	46.9	30.2	45.2#		

Manual Integrations
APPROVED

MM Dadoda



3/5/2019 9:31:51 AM



#42

1-Chlorobutane

Concen: 1.832 ug/l

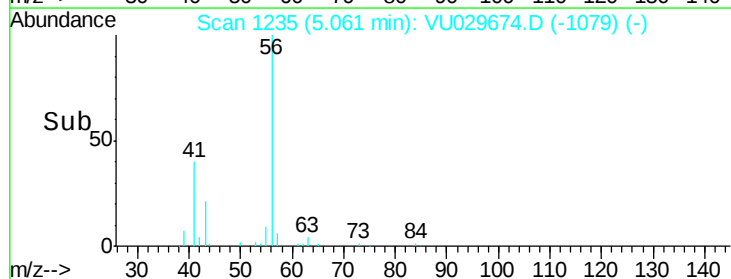
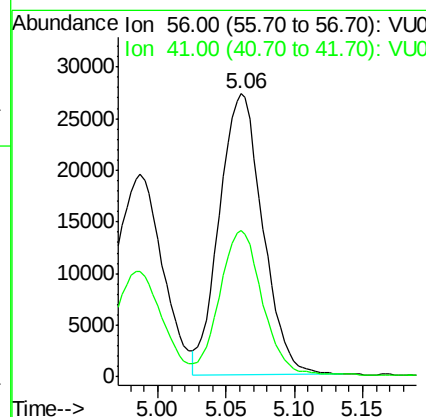
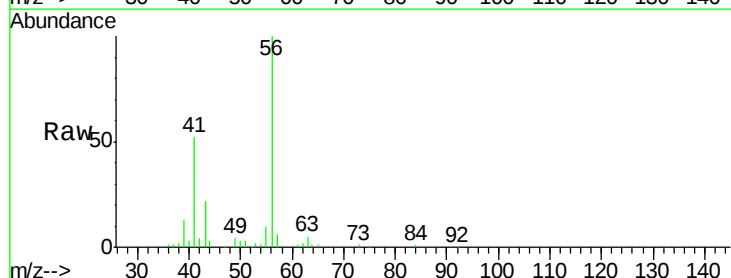
RT: 5.06 min Scan# 1235

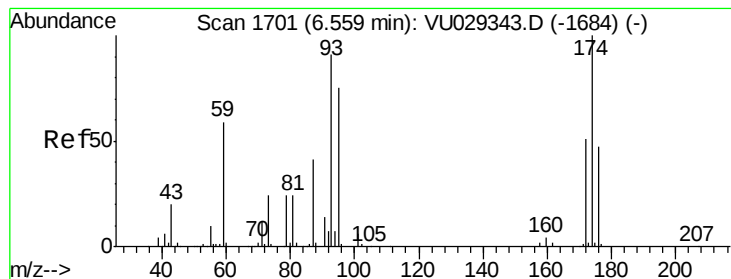
Delta R.T. 0.00 min

Lab File: VU029674.D

Acq: 26 Feb 2019 11:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
56	100				
41	49.7	31.3	93.8		





#43

Dibromomethane

Concen: 1.945 ug/l

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VU029674.D

Acq: 26 Feb 2019 11:41

Instrument :

MSVOA_U

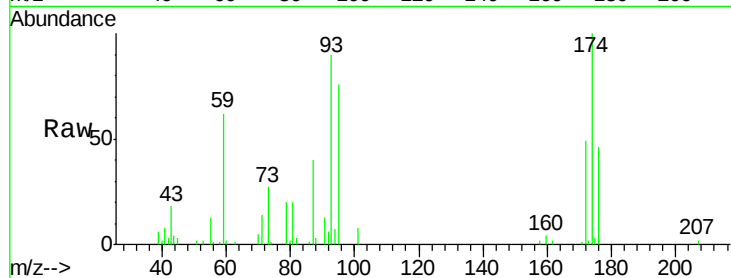
ClientSampled :

VU0226WBSD01

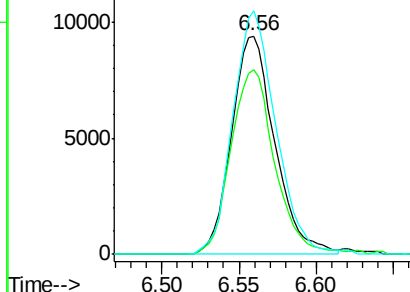
Tot Ion:	93	Resp:	18285
Ion	Ratio	Lower	Upper
93	100		
95	85.3	68.2	102.2
174	110.7	77.6	116.4

Manual Integrations
APPROVED

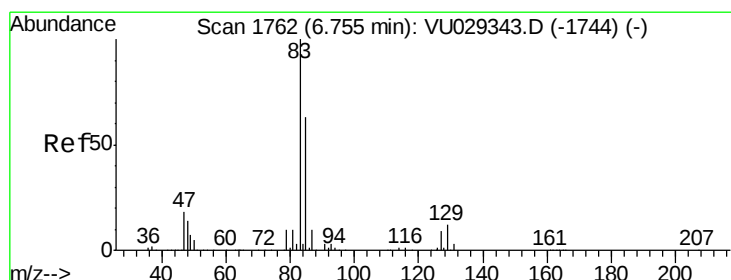
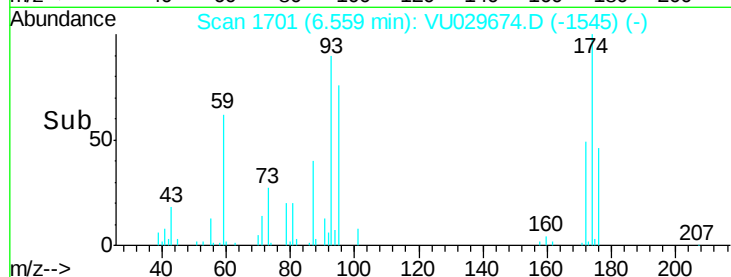
MM Dadoda



Abundance Ion 93.00 (92.70 to 93.70): VU0
Ion 95.00 (94.70 to 95.70): VU0
Ion 174.00 (173.70 to 174.70): V



3/5/2019 9:31:51 AM



#44

Bromodichloromethane

Concen: 1.756 ug/l

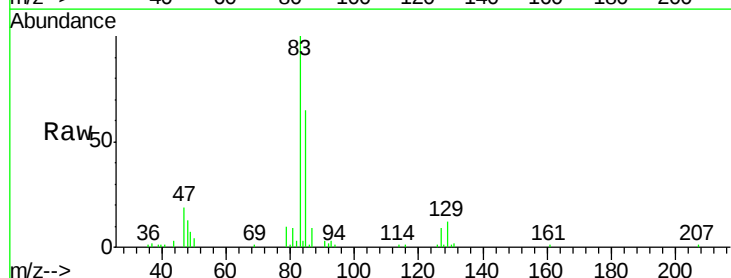
RT: 6.75 min Scan# 1761

Delta R.T. -0.00 min

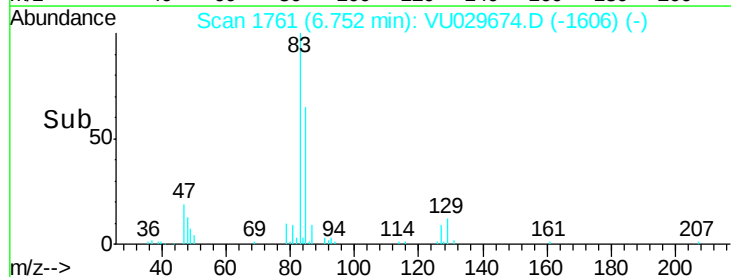
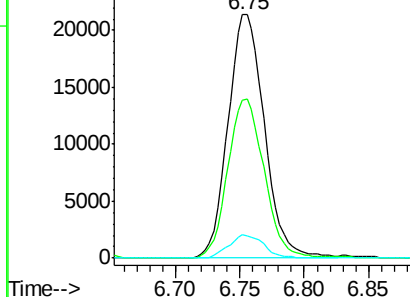
Lab File: VU029674.D

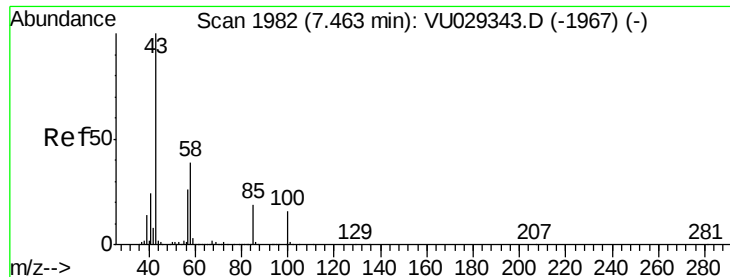
Acq: 26 Feb 2019 11:41

Tgt Ion:	83	Resp:	42048
Ion	Ratio	Lower	Upper
83	100		
85	64.6	49.2	73.8
127	9.4	7.0	10.6



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 127.00 (126.70 to 127.70): V





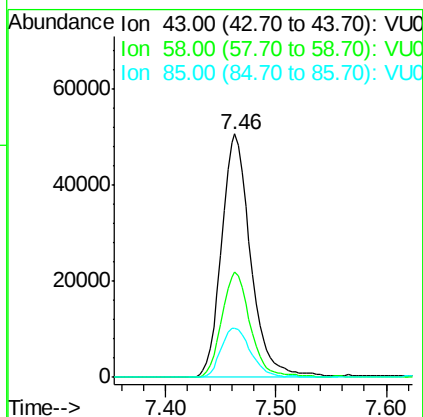
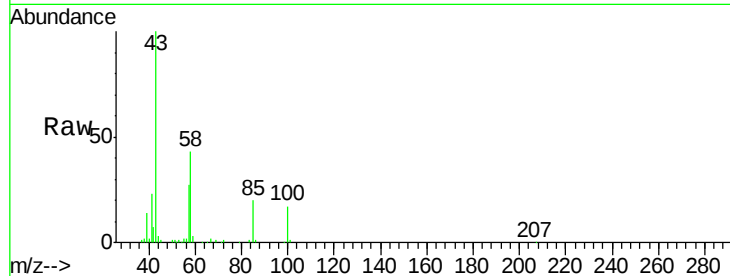
#45
4-Methyl-2-Pentanone
Concen: 8.440 ug/l
RT: 7.46 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VU029674.D
Acq: 26 Feb 2019 11:41

Instrument :
MSVOA_U
ClientSampleId :
VU0226WBSD01

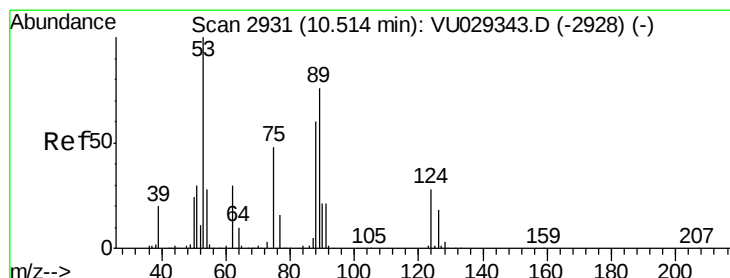
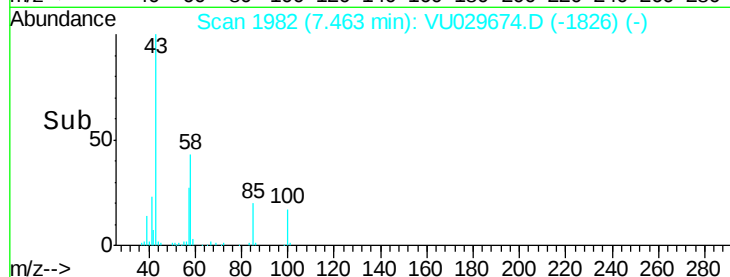
Tot Ion	Ratio	Lower	Upper
43	100		
58	42.3	17.6	52.8
85	20.4	12.3	18.5

Manual Integrations
APPROVED

MMDadoda

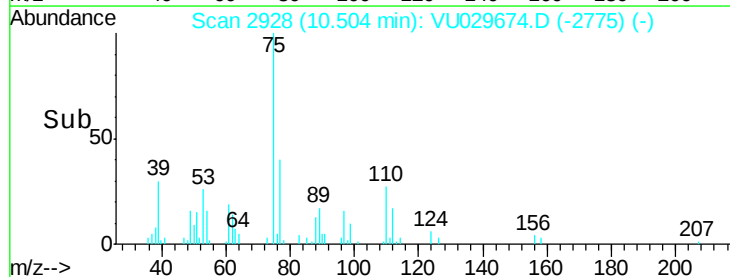
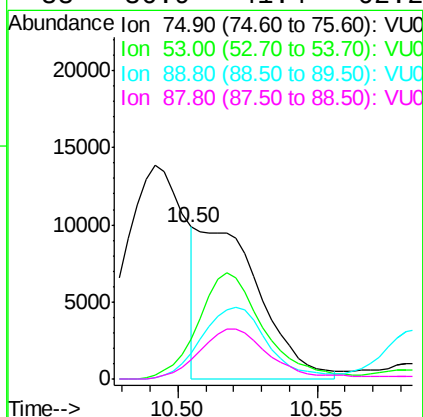
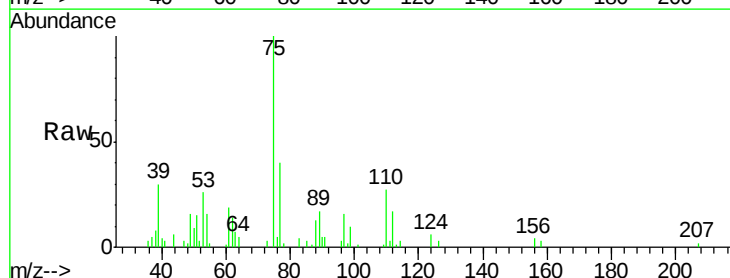


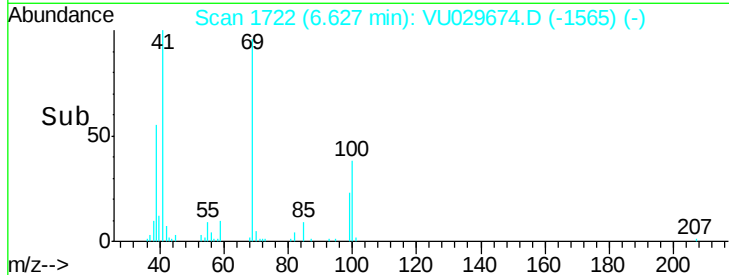
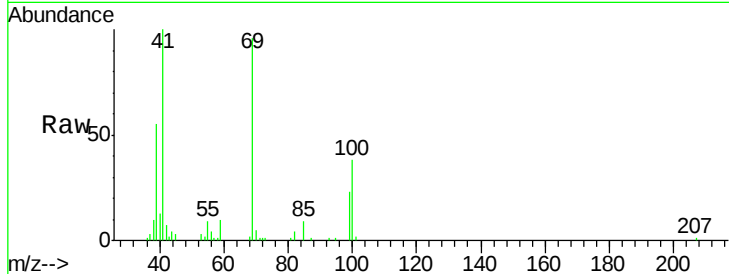
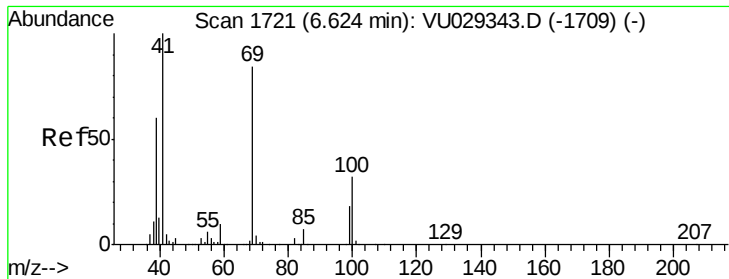
3/5/2019 9:31:51 AM



#46
t-1,4-Dichloro-2-butene
Concen: 2.869 ug/l m
RT: 10.50 min Scan# 2928
Delta R.T. -0.01 min
Lab File: VU029674.D
Acq: 26 Feb 2019 11:41

Tgt Ion	Ratio	Lower	Upper
75	100		
53	73.0	78.2	117.4
89	50.1	44.2	66.4
88	36.9	41.4	62.2





#47
Methyl methacrylate
Concen: 3.743 ug/l
RT: 6.63 min Scan# 1722
Delta R.T. 0.00 min
Lab File: VU029674.D
Acq: 26 Feb 2019 11:41

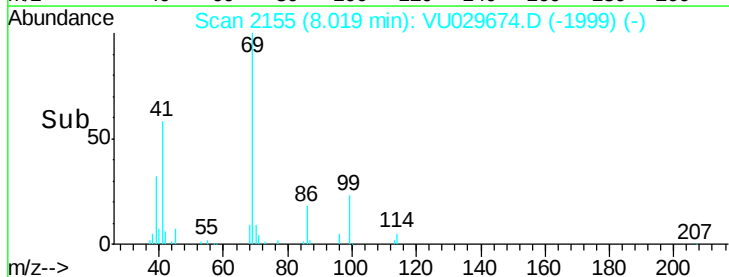
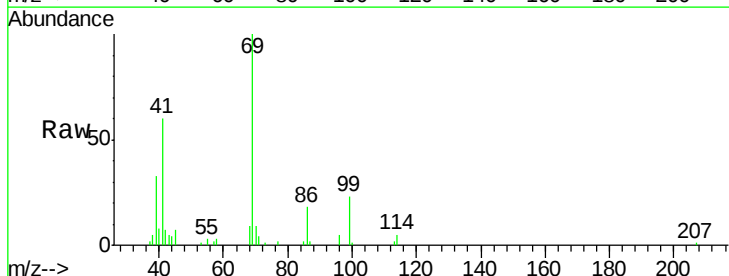
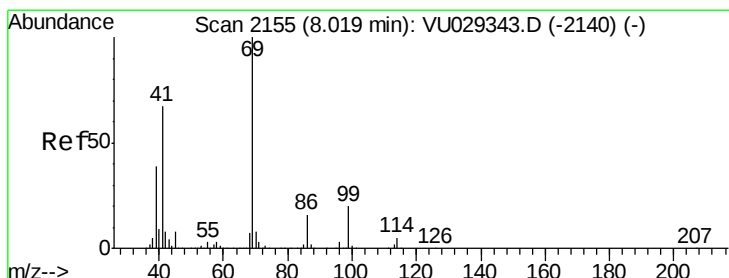
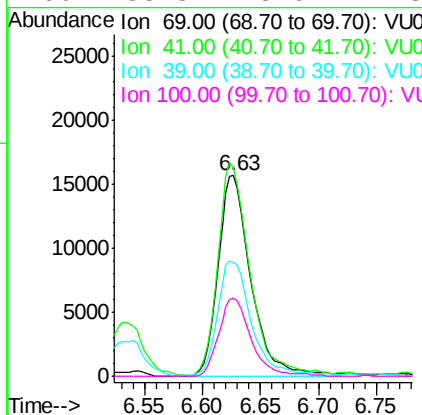
Tot Ion	Ratio	Lower	Upper
69	100		
41	104.8	0.0	296.2
39	58.7	71.2	106.8
100	38.3	28.6	42.8

Instrument :
MSVOA_U
ClientSampleId :
VU0226WBSD01

Manual Integrations
APPROVED

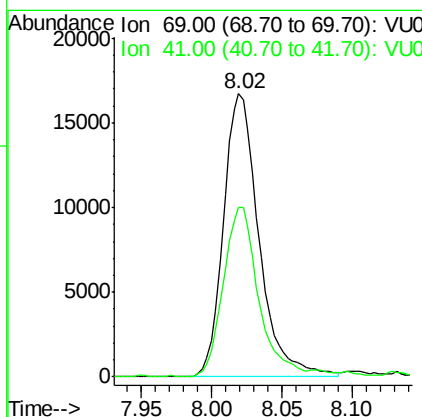
MMDadoda

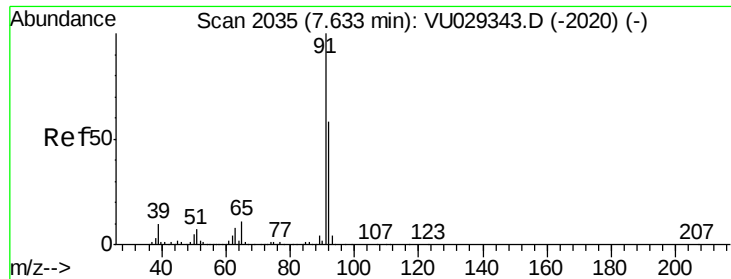
3/5/2019 9:31:51 AM



#48
Ethyl methacrylate
Concen: 1.657 ug/l
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VU029674.D
Acq: 26 Feb 2019 11:41

Tgt Ion	Ratio	Lower	Upper
69	100		
41	59.3	39.9	119.7





#49

Toluene

Concen: 1.962 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU029674.D

Acq: 26 Feb 2019 11:41

Instrument :

MSVOA_U

ClientSampleId :

VU0226WBSD01

Tot Ion: 92 Resp: 85124

Ion Ratio Lower Upper

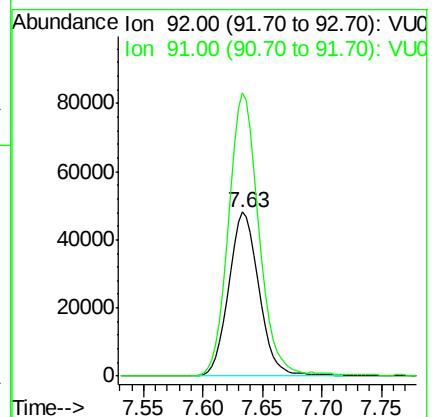
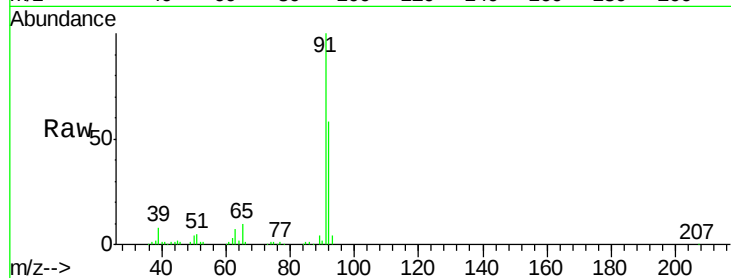
92 100

91 171.4 140.7 211.1

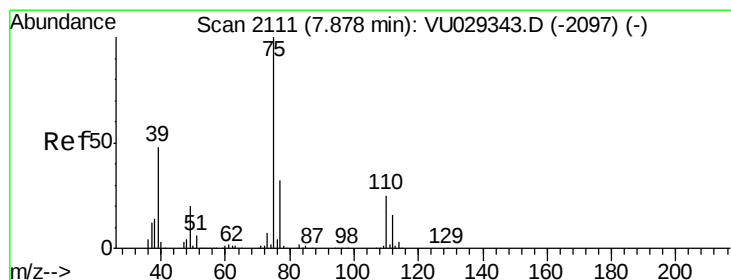
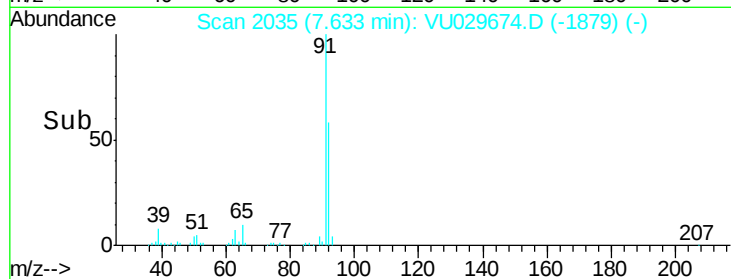
Manual Integrations

APPROVED

MMDadoda



3/5/2019 9:31:51 AM



#50

t-1,3-Dichloropropene

Concen: 1.607 ug/l

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VU029674.D

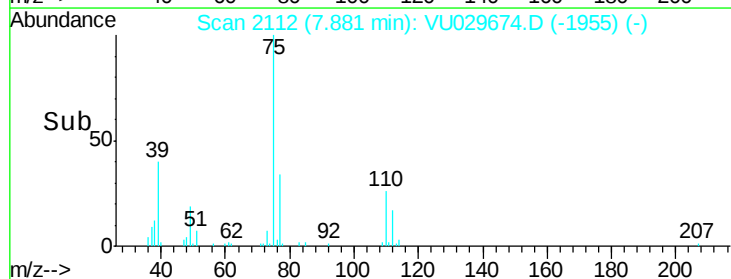
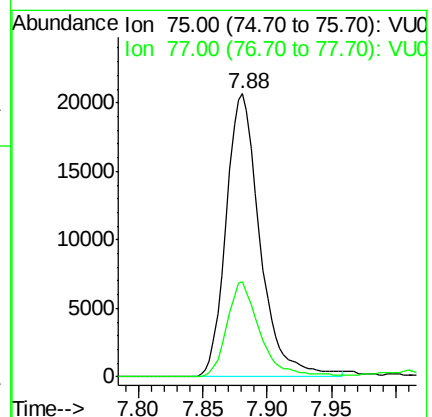
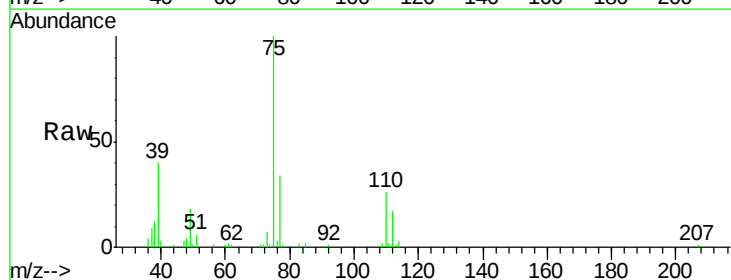
Acq: 26 Feb 2019 11:41

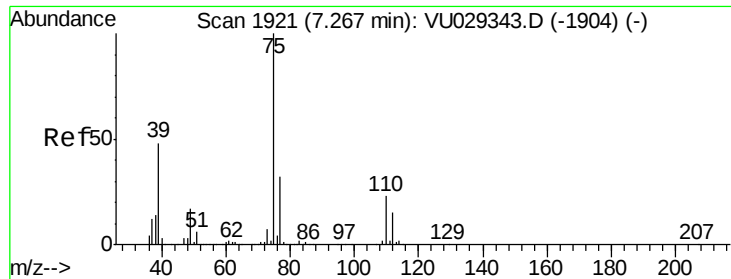
Tgt Ion: 75 Resp: 37724

Ion Ratio Lower Upper

75 100

77 33.5 23.6 35.4





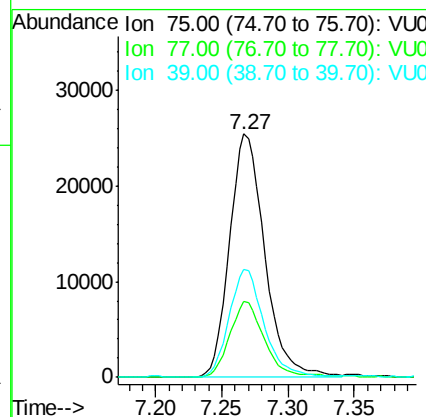
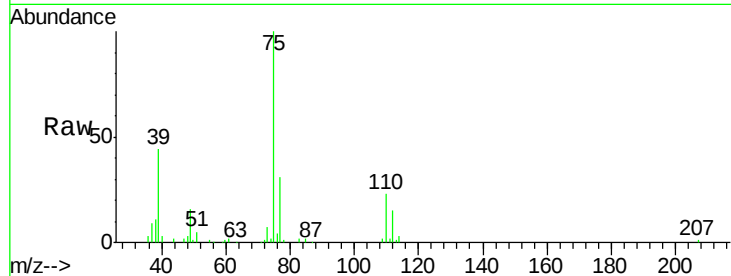
#51
 cis-1,3-Dichloropropene
 Concen: 1.688 ug/l
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU029674.D
 Acq: 26 Feb 2019 11:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0226WBSD01

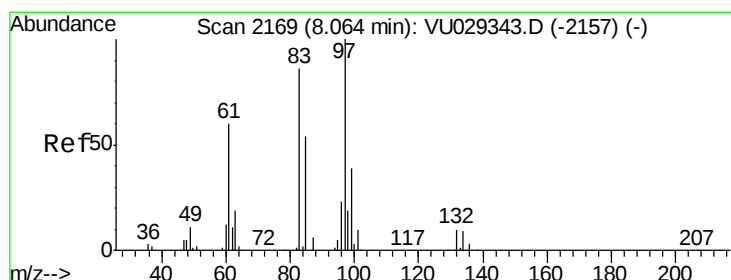
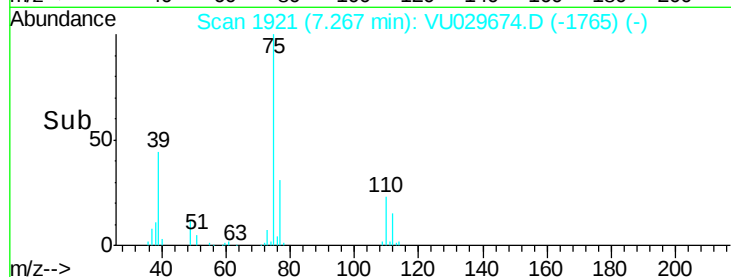
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.9	37.3
39	44.2	47.2	70.8#

Manual Integrations
 APPROVED

MMDadoda

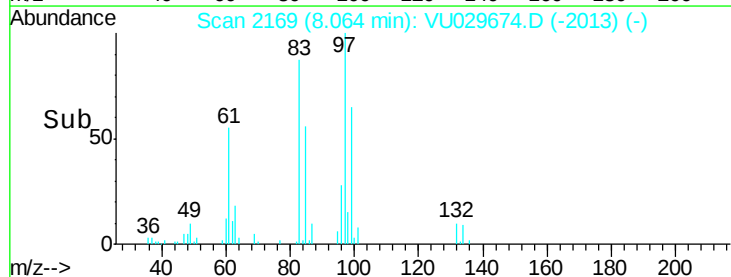
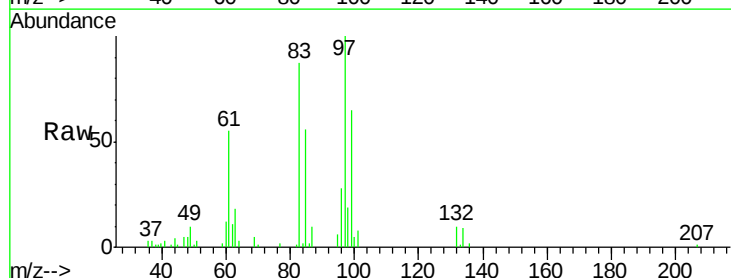
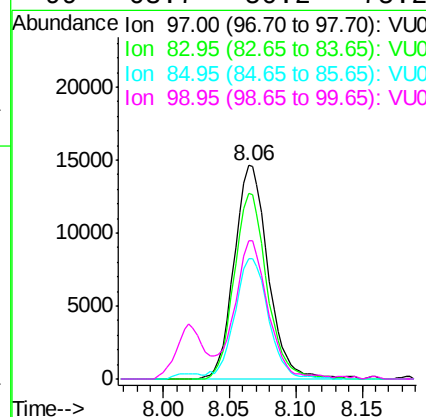


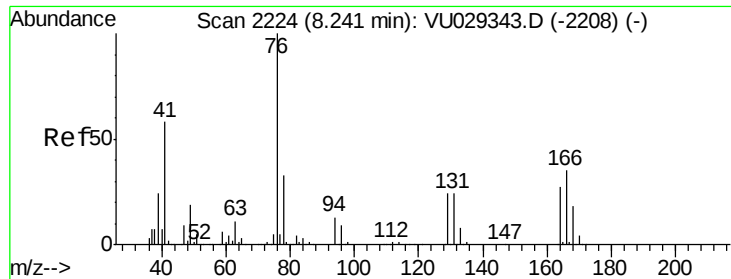
3/5/2019 9:31:51 AM



#52
 1,1,2-Trichloroethane
 Concen: 2.089 ug/l
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU029674.D
 Acq: 26 Feb 2019 11:41

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.0	69.9	104.9
85	56.3	45.8	68.6
99	63.7	50.2	75.2





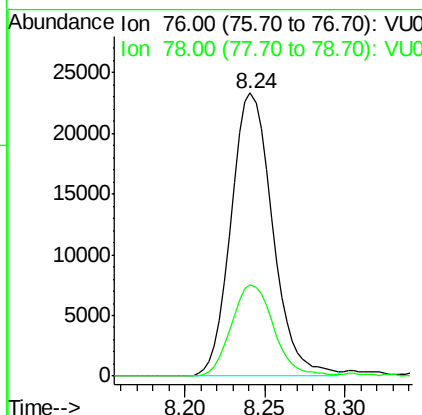
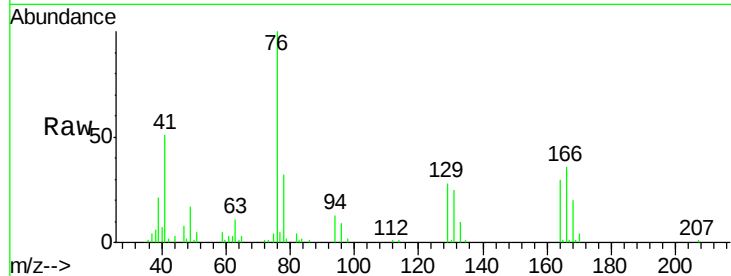
#53
 1,3-Dichloropropane
 Concen: 1.890 ug/l
 RT: 8.24 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VU029674.D
 Acq: 26 Feb 2019 11:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0226WBSD01

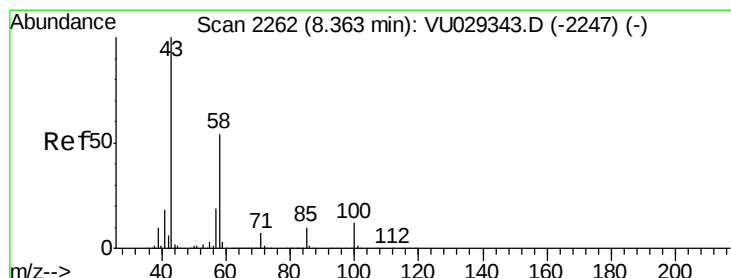
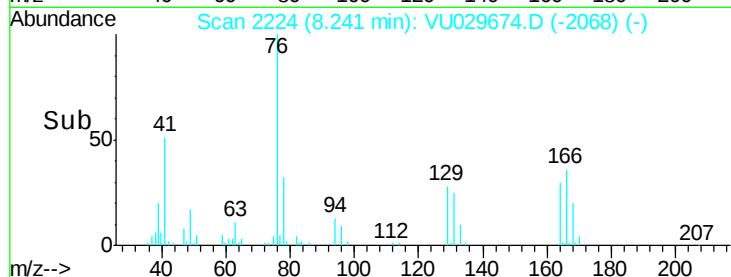
Tot Ion	Ratio	Lower	Upper
76	100		
78	32.9	26.3	39.5

Manual Integrations
 APPROVED

MMDadoda

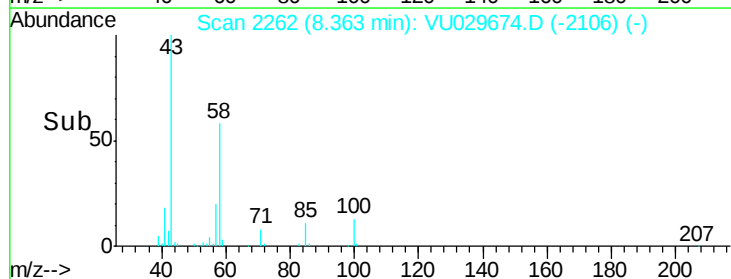
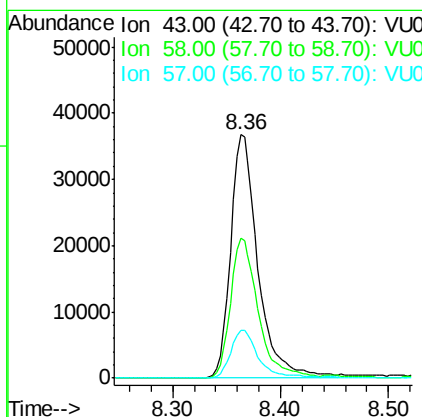
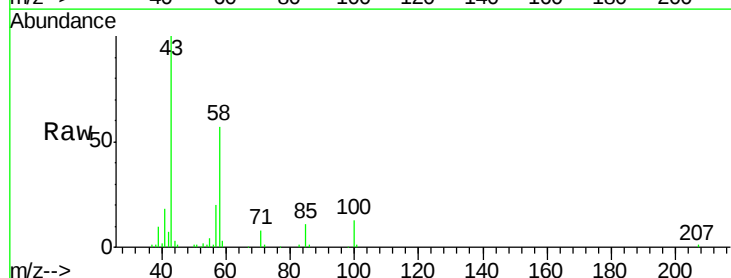


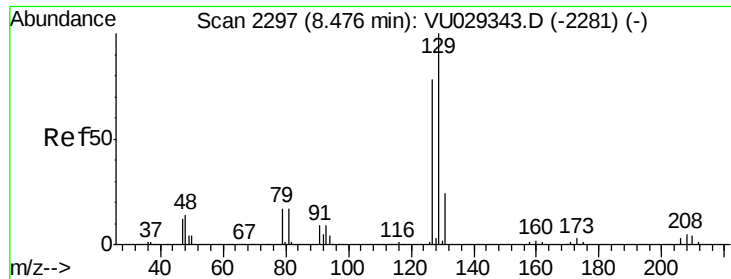
3/5/2019 9:31:51 AM



#54
 2-Hexanone
 Concen: 8.371 ug/l
 RT: 8.36 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VU029674.D
 Acq: 26 Feb 2019 11:41

Tgt Ion	Ratio	Lower	Upper
43	100		
58	58.0	26.0	66.0
57	19.8	0.0	37.7





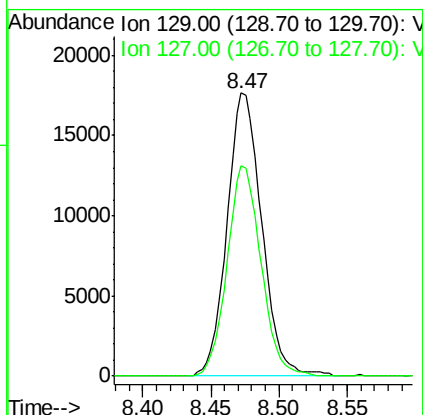
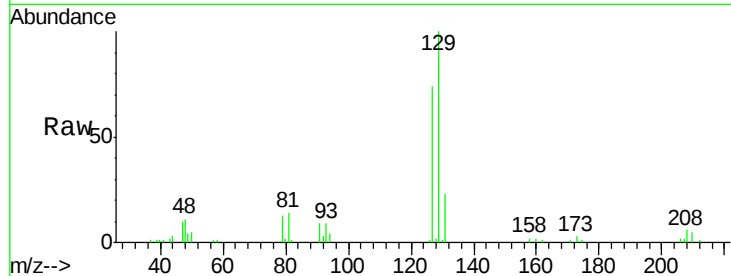
#55
 Dibromochloromethane
 Concen: 1.765 ug/l
 RT: 8.47 min Scan# 2296
 Delta R.T. -0.00 min
 Lab File: VU029674.D
 Acq: 26 Feb 2019 11:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0226WBSD01

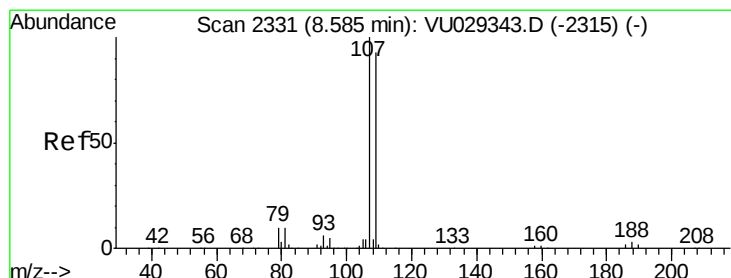
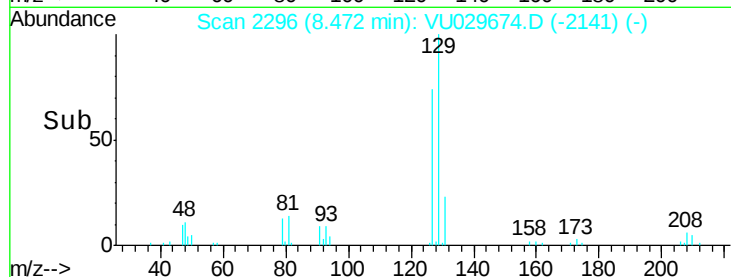
Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		31217		
127	72.6		60.5	90.7	

Manual Integrations
 APPROVED

MM Dadoda

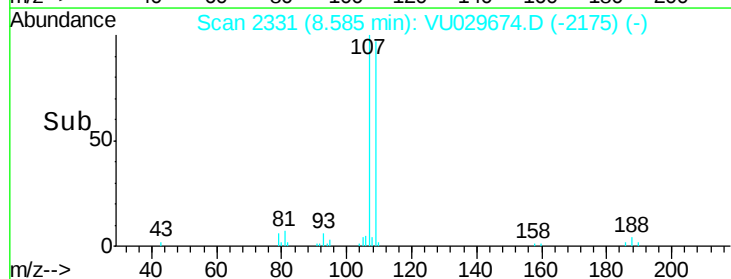
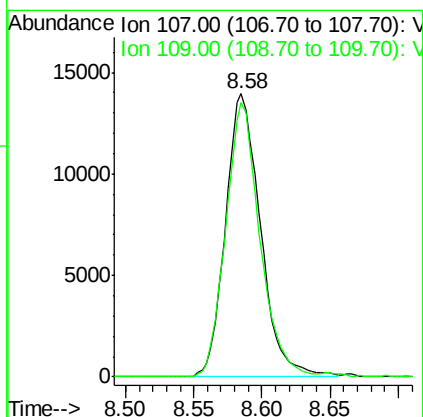
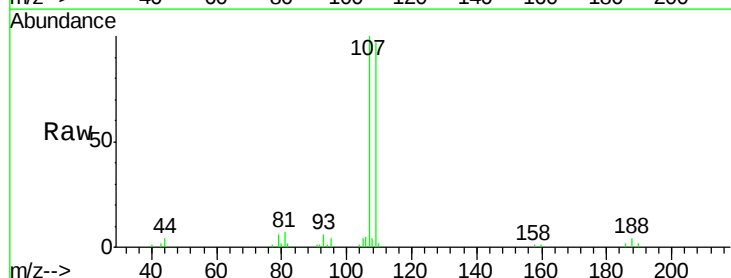


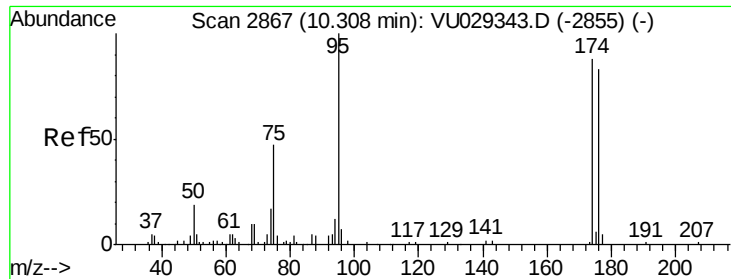
3/5/2019 9:31:51 AM



#56
 1,2-Dibromoethane
 Concen: 1.950 ug/l
 RT: 8.58 min Scan# 2331
 Delta R.T. 0.00 min
 Lab File: VU029674.D
 Acq: 26 Feb 2019 11:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		24900		
109	94.5		0.0	189.6	





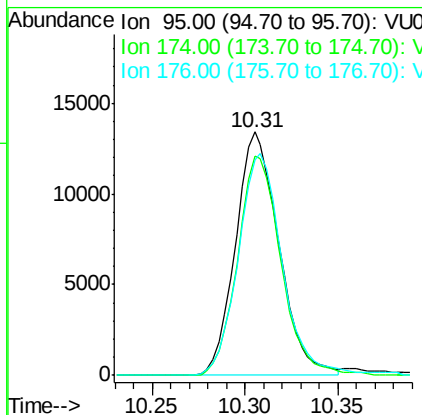
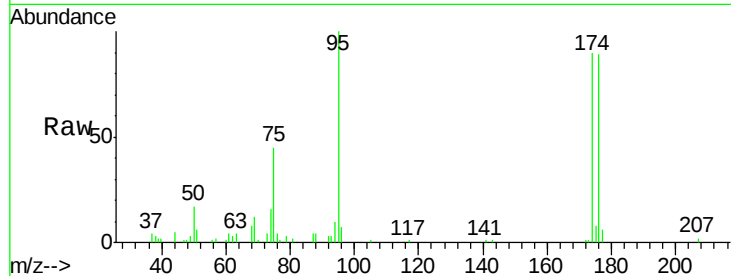
#57
4-Bromofluorobenzene
Concen: 1.950 ug/l
RT: 10.31 min Scan# 2866
Delta R.T. -0.00 min
Lab File: VU029674.D
Acq: 26 Feb 2019 11:41

Instrument :
MSVOA_U
ClientSampleId :
VU0226WBSD01

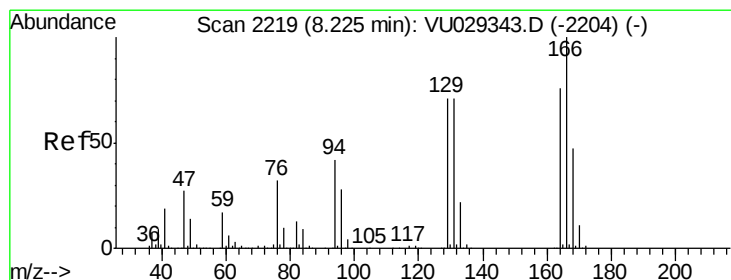
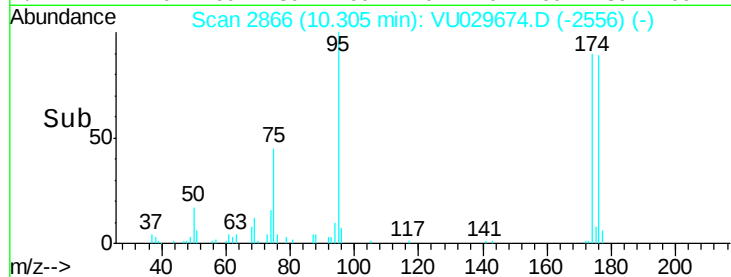
Tot Ion:	95	Resp:	21865
Ion Ratio	Lower	Upper	
95	100		
174	90.2	64.2	96.2
176	92.5	62.3	93.5

Manual Integrations
APPROVED

MM Dadoda

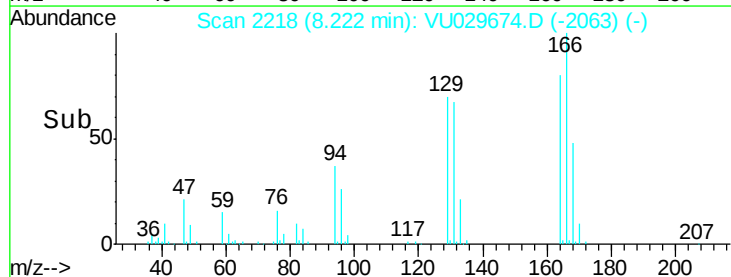
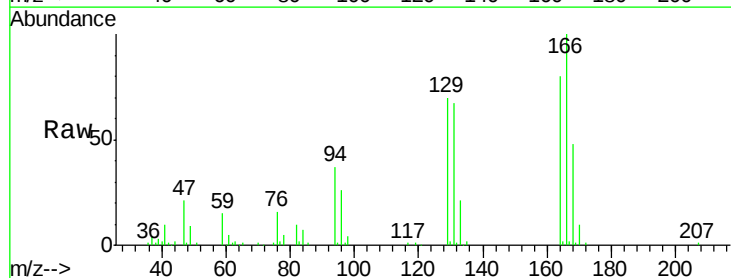
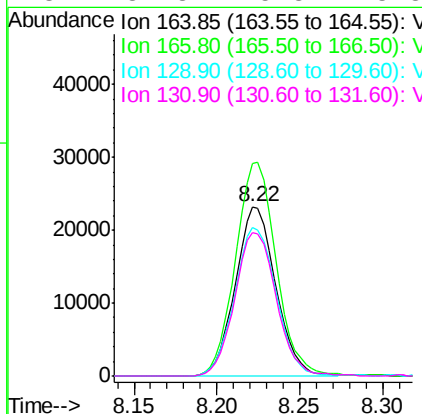


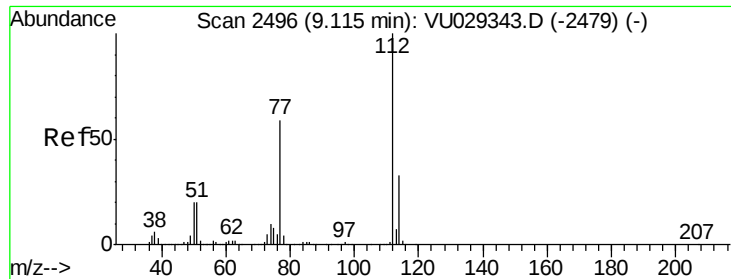
3/5/2019 9:31:51 AM



#58
Tetrachloroethene
Concen: 2.172 ug/l
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VU029674.D
Acq: 26 Feb 2019 11:41

Tgt Ion:	164	Resp:	39325
Ion Ratio	Lower	Upper	
164	100		
166	125.3	106.6	159.8
129	87.5	79.9	119.9
131	84.3	75.8	113.8





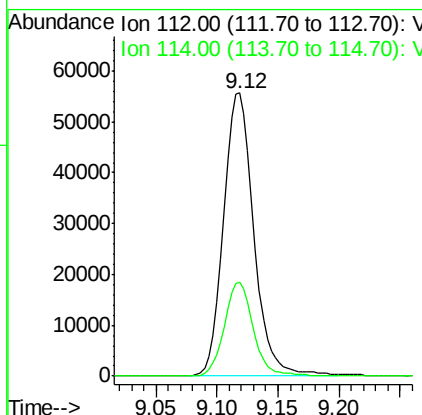
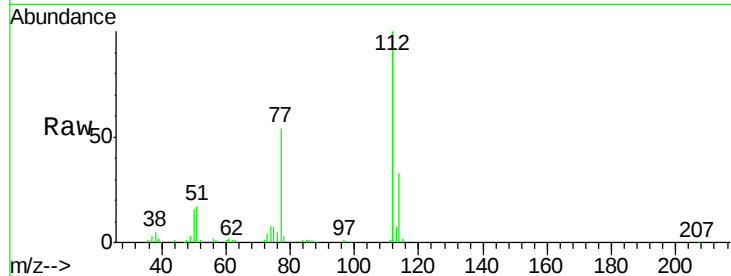
#59
Chlorobenzene
Concen: 1.993 ug/l
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU029674.D
Acq: 26 Feb 2019 11:41

Instrument :
MSVOA_U
ClientSampleId :
VU0226WBSD01

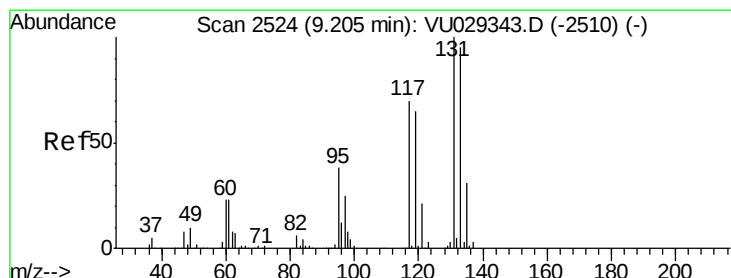
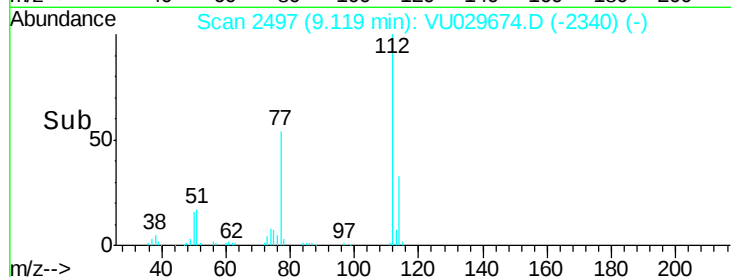
Tot Ion	Ratio	Lower	Upper
112	100		
114	33.3	26.2	39.4

Manual Integrations
APPROVED

MMDadoda

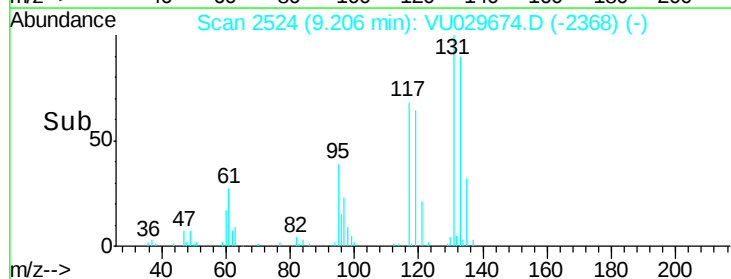
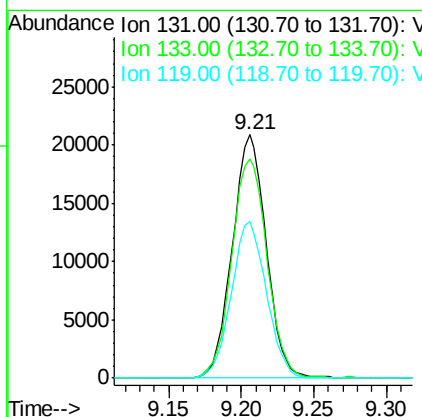
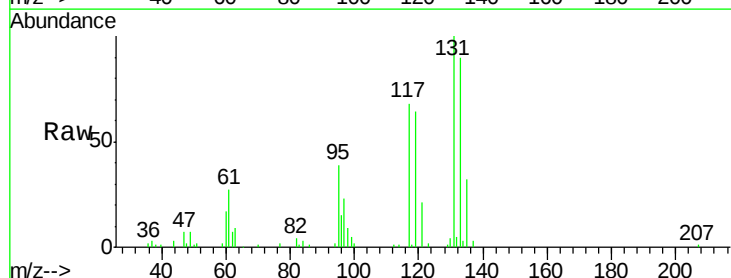


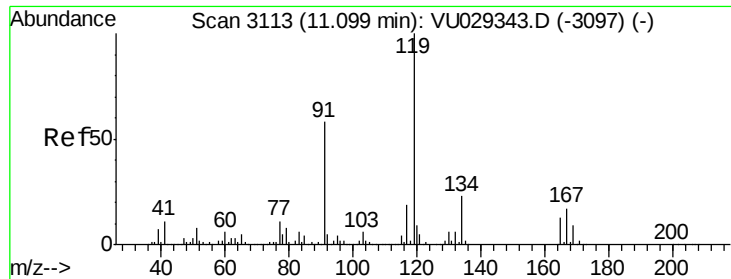
3/5/2019 9:31:51 AM



#60
1,1,1,2-Tetrachloroethane
Concen: 1.881 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. 0.00 min
Lab File: VU029674.D
Acq: 26 Feb 2019 11:41

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.0	77.3	115.9
119	66.0	48.9	73.3





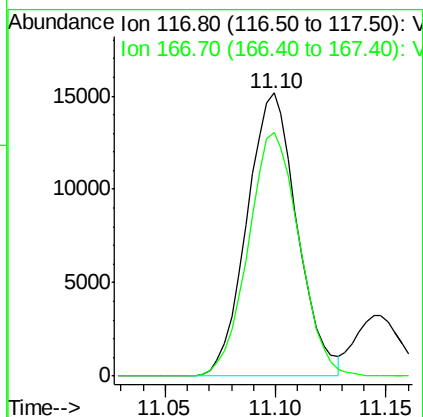
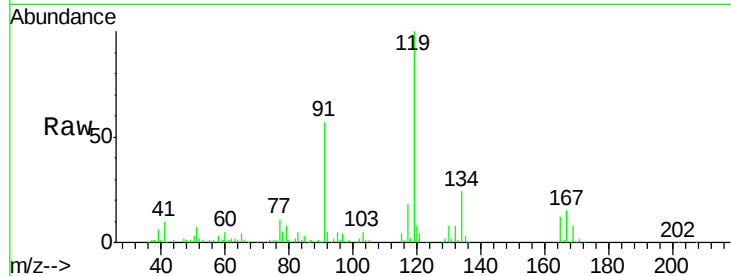
#61
 Pentachloroethane
 Concen: 1.717 ug/l
 RT: 11.10 min Scan# 3113
 Delta R.T. 0.00 min
 Lab File: VU029674.D
 Acq: 26 Feb 2019 11:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0226WBSD01

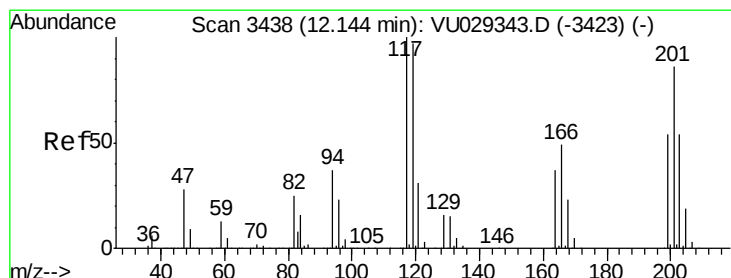
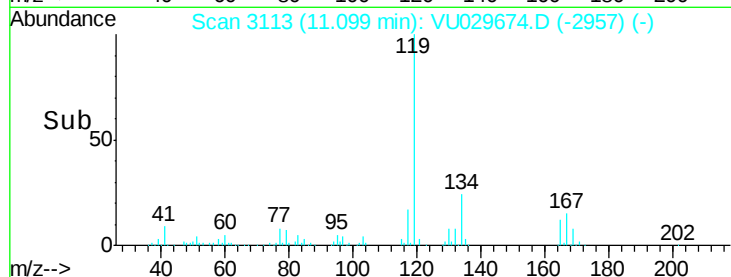
Tot Ion:117 Resp: 24029
 Ion Ratio Lower Upper
 117 100
 167 87.0 65.9 98.9

Manual Integrations
 APPROVED

MMDadoda

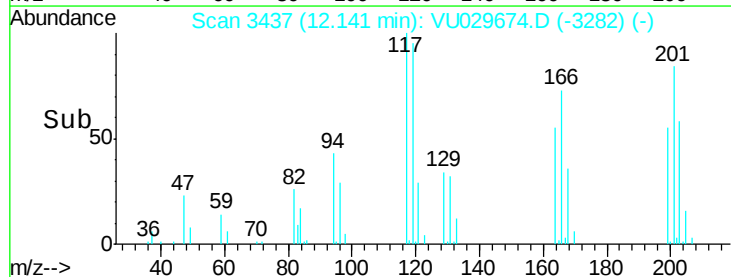
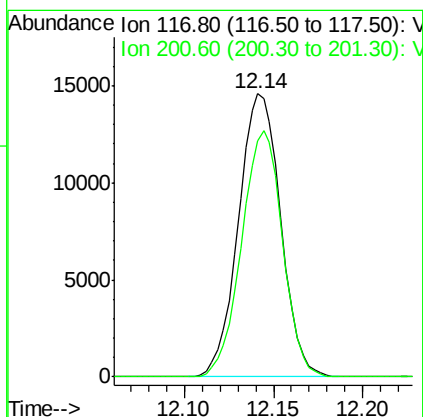
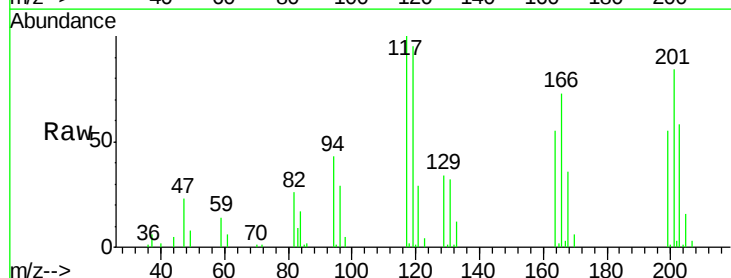


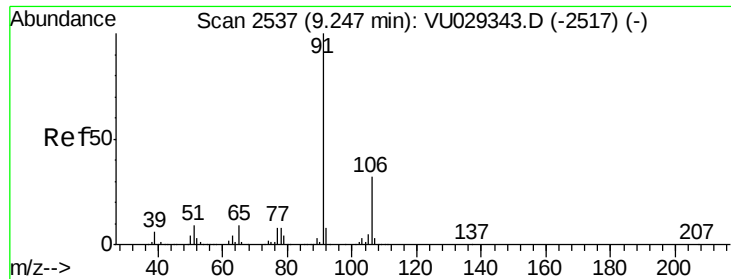
3/5/2019 9:31:51 AM



#62
 Hexachloroethane
 Concen: 1.573 ug/l
 RT: 12.14 min Scan# 3437
 Delta R.T. -0.00 min
 Lab File: VU029674.D
 Acq: 26 Feb 2019 11:41

Tgt Ion:117 Resp: 24037
 Ion Ratio Lower Upper
 117 100
 201 84.2 68.2 102.2





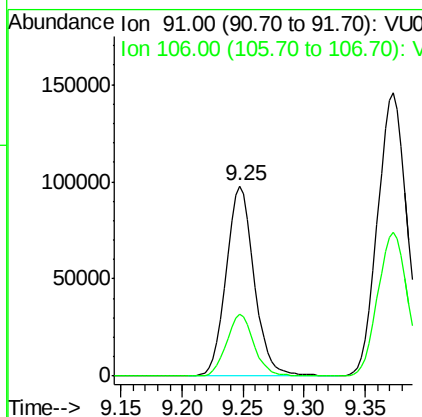
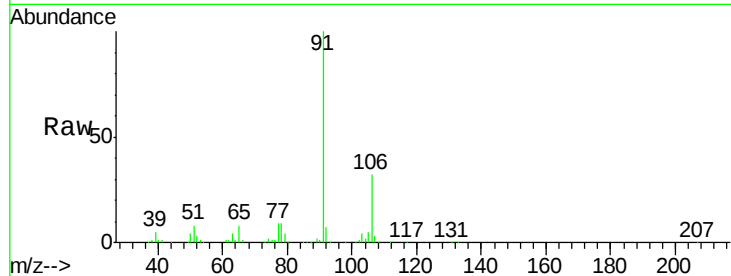
#63
Ethyl Benzene
Concen: 1.862 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. 0.00 min
Lab File: VU029674.D
Acq: 26 Feb 2019 11:41

Instrument :
MSVOA_U
ClientSampleId :
VU0226WBSD01

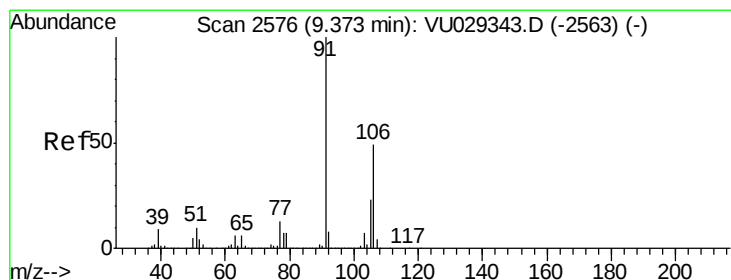
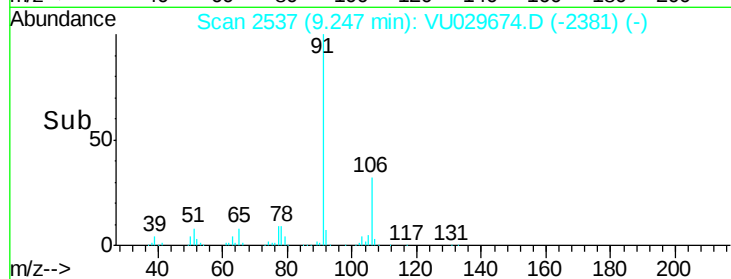
Tot Ion: 91 Resp: 158000
Ion Ratio Lower Upper
91 100
106 32.2 23.8 35.6

Manual Integrations
APPROVED

MM Dadoda

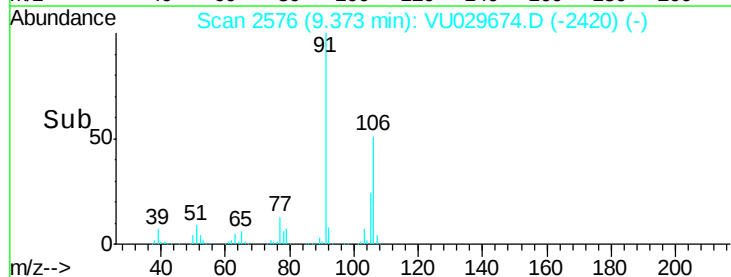
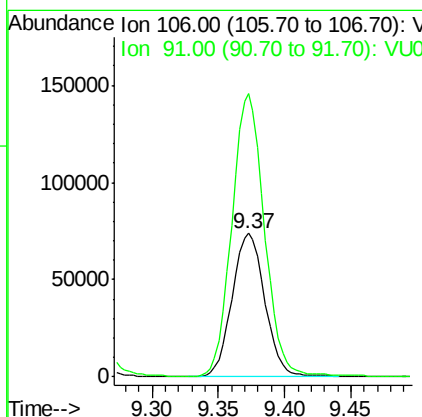
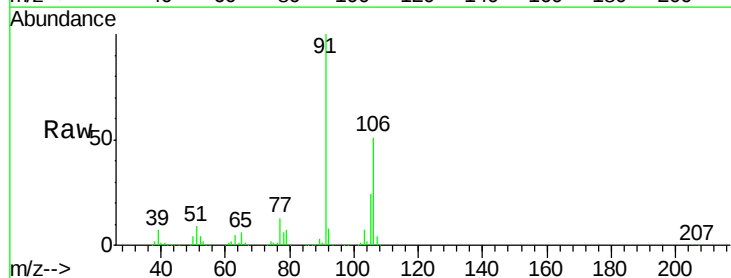


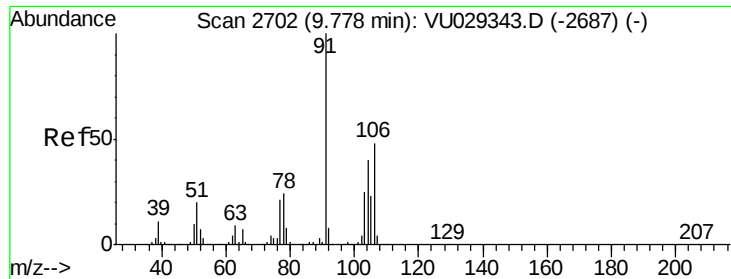
3/5/2019 9:31:51 AM



#64
m/p-Xylenes
Concen: 3.835 ug/l
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU029674.D
Acq: 26 Feb 2019 11:41

Tgt Ion: 106 Resp: 126492
Ion Ratio Lower Upper
106 100
91 195.8 174.6 261.8





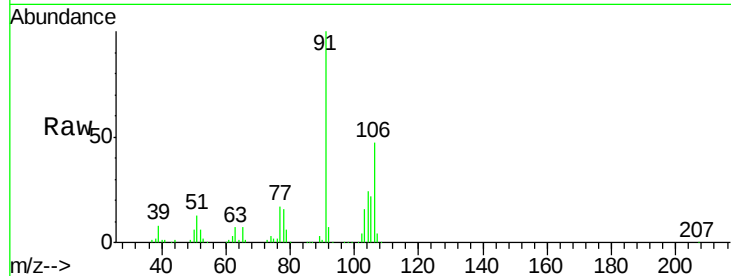
#65
o-Xylene
Concen: 1.868 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU029674.D
Acq: 26 Feb 2019 11:41

Instrument :
MSVOA_U
ClientSampleId :
VU0226WBSD01

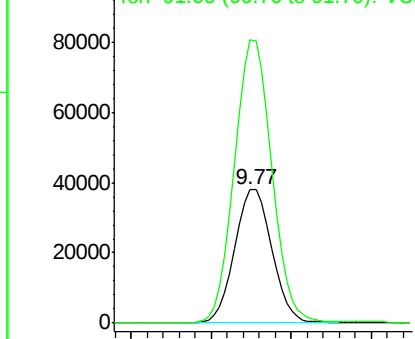
Tot Ion:106 Resp: 60475
Ion Ratio Lower Upper
106 100
91 213.3 114.5 343.4

Manual Integrations
APPROVED

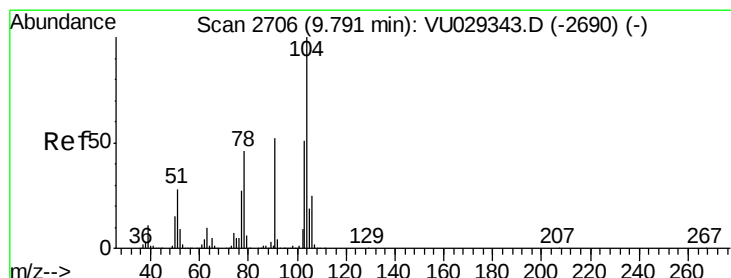
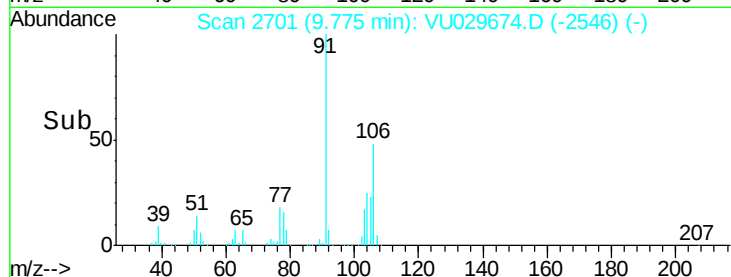
MMDadoda



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

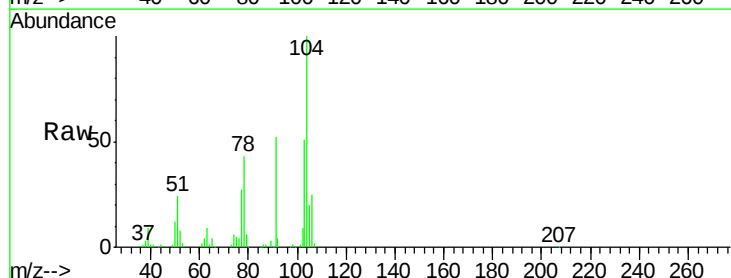


3/5/2019 9:31:51 AM

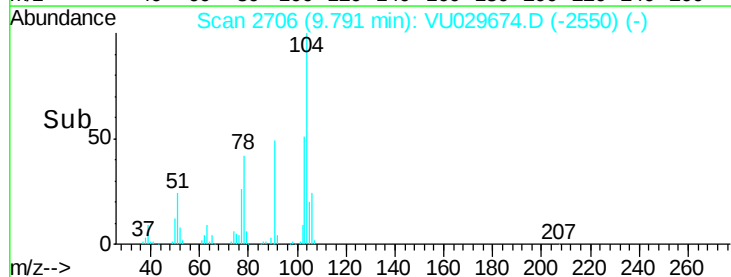
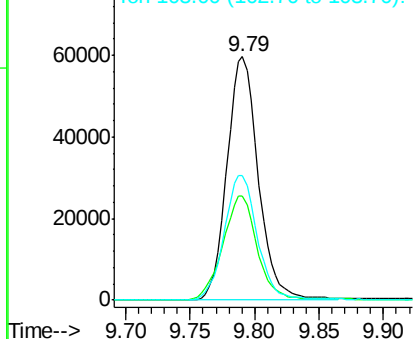


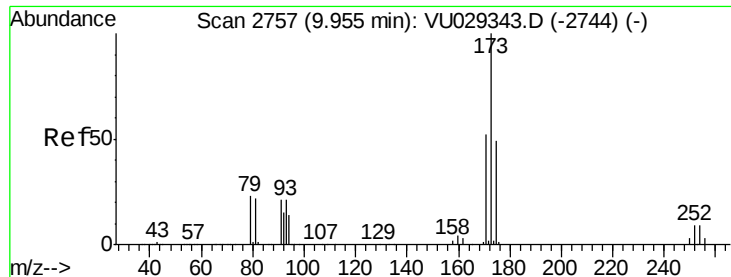
#66
Styrene
Concen: 1.873 ug/l
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VU029674.D
Acq: 26 Feb 2019 11:41

Tgt Ion:104 Resp: 101101
Ion Ratio Lower Upper
104 100
78 46.4 46.5 69.7#
103 54.4 44.7 67.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 1.647 ug/l

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU029674.D

Acq: 26 Feb 2019 11:41

Instrument :

MSVOA_U

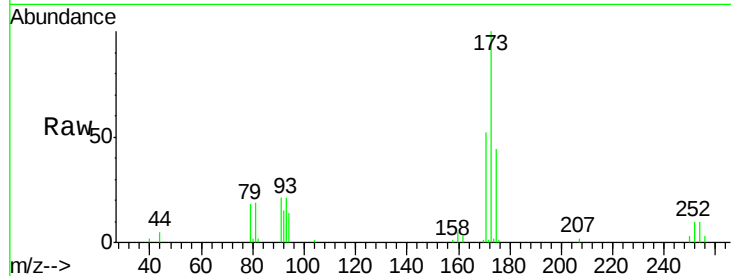
ClientSampleId :

VU0226WBSD01

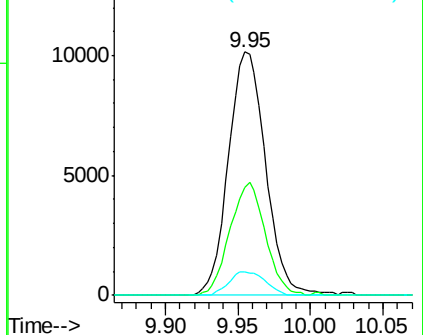
Tot Ion:	173	Resp:	18123
Ion Ratio	Lower	Upper	
173	100		
175	44.0	38.9	58.3
254	9.4	7.4	11.2

Manual Integrations
APPROVED

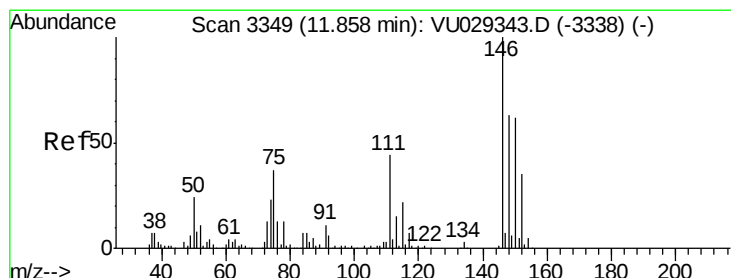
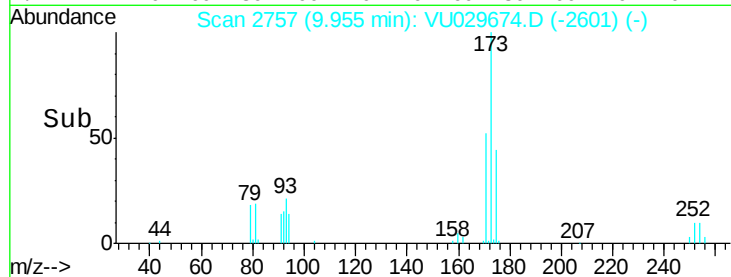
MMDadoda



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



3/5/2019 9:31:51 AM



#68

1,2-Dichlorobenzene-d4

Concen: 1.647 ug/l

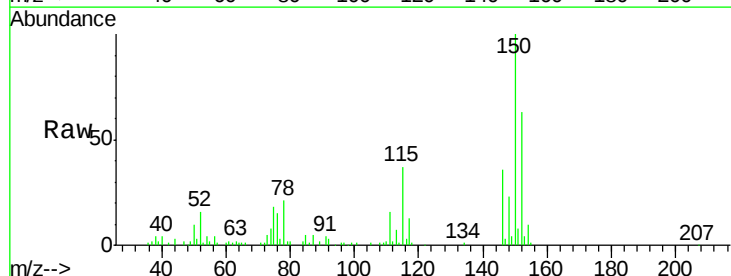
RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

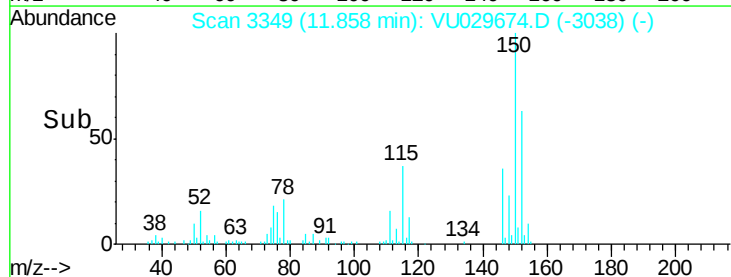
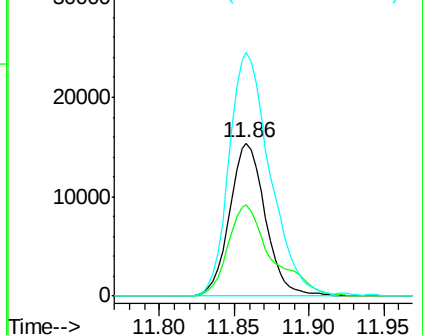
Lab File: VU029674.D

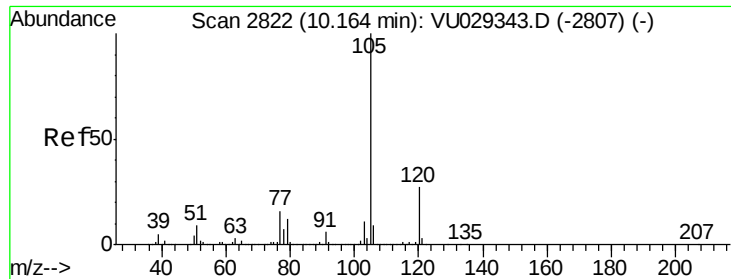
Acq: 26 Feb 2019 11:41

Tgt Ion:	152	Resp:	25525
Ion Ratio	Lower	Upper	
152	100		
115	72.8	0.0	133.4
150	182.9	0.0	670.8



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





#69

Isopropylbenzene

Concen: 1.877 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU029674.D

Acq: 26 Feb 2019 11:41

Instrument :

MSVOA_U

ClientSampleId :

VU0226WBSD01

Tot Ion: 105 Resp: 162342

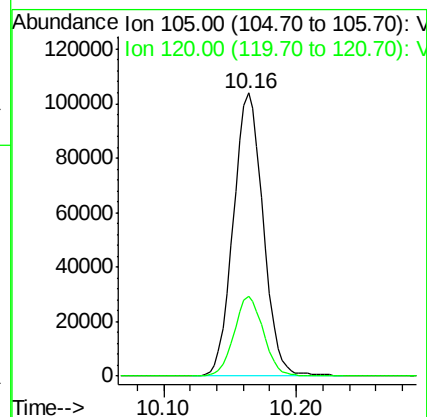
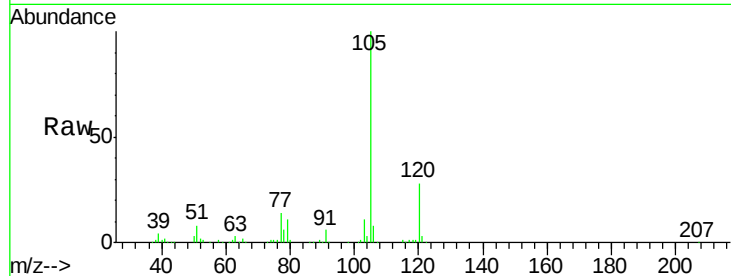
Ion Ratio Lower Upper

105 100

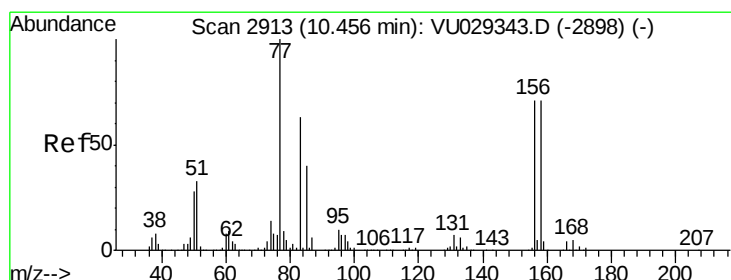
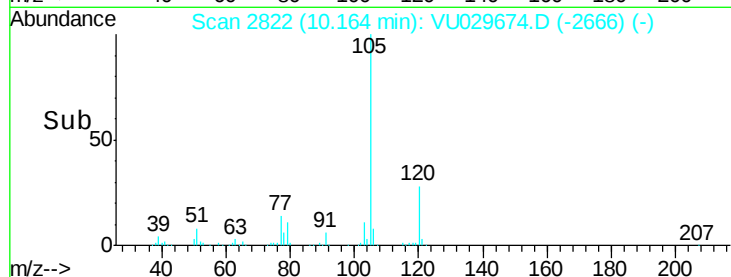
120 27.7 12.6 37.6

Manual Integrations
APPROVED

MMDadoda



3/5/2019 9:31:51 AM



#70

1,1,2,2-Tetrachloroethane

Concen: 2.022 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU029674.D

Acq: 26 Feb 2019 11:41

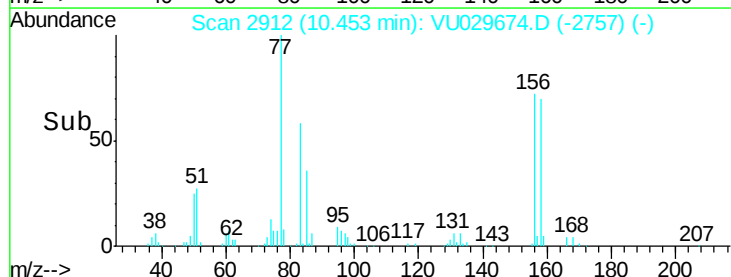
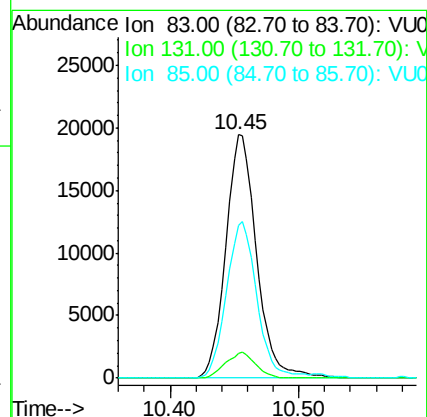
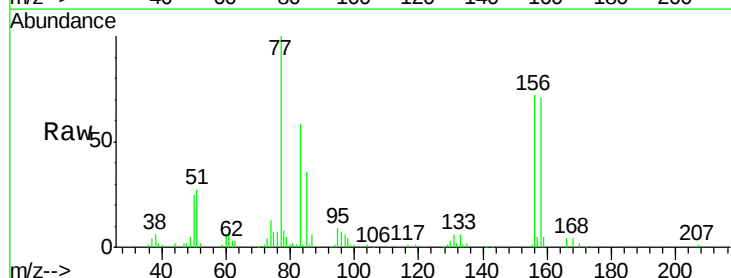
Tgt Ion: 83 Resp: 32244

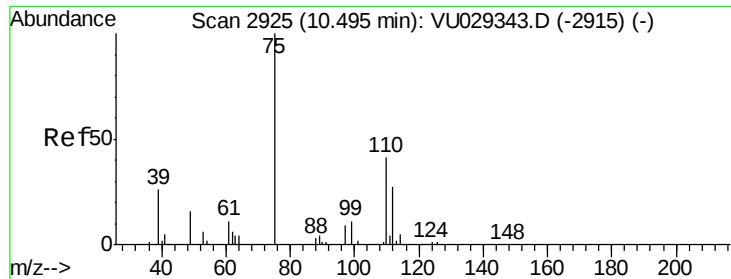
Ion Ratio Lower Upper

83 100

131 10.4 8.1 12.1

85 63.4 50.3 75.5





#71

1,2,3-Trichloropropane

Concen: 2.243 ug/l m

RT: 10.49 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VU029674.D

Acq: 26 Feb 2019 11:41

Instrument :

MSVOA_U

ClientSampleId :

VU0226WBSD01

Tot Ion: 75 Resp: 24568

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

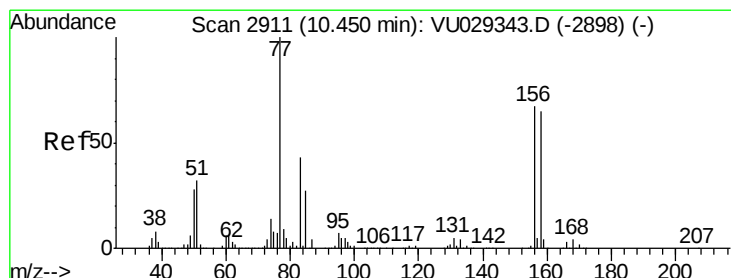
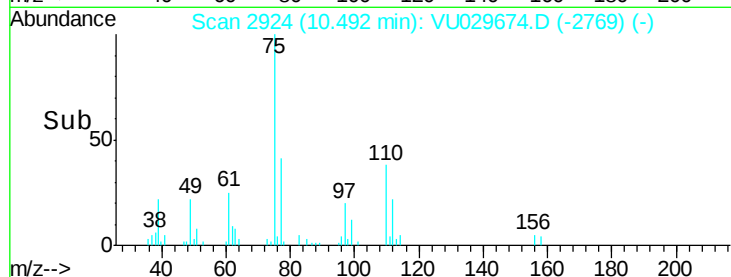
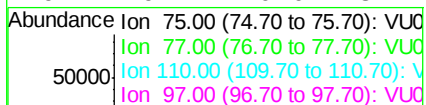
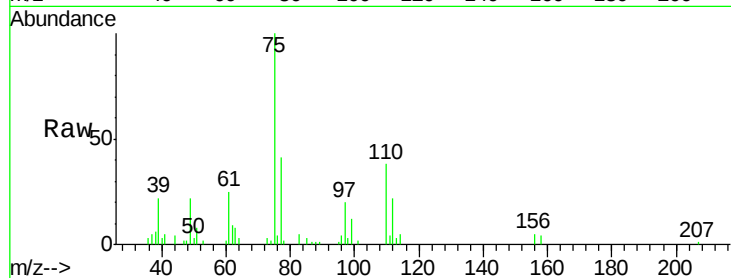
110 36.0 0.0 63.6

97 19.1 0.0 31.4

Manual Integrations
APPROVED

MMDadoda

3/5/2019 9:31:51 AM



#72

Bromobenzene

Concen: 2.015 ug/l

RT: 10.45 min Scan# 2911

Delta R.T. 0.00 min

Lab File: VU029674.D

Acq: 26 Feb 2019 11:41

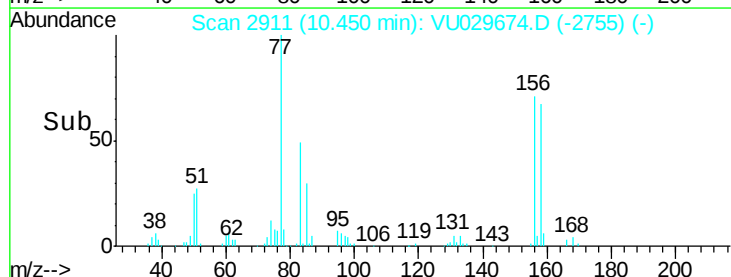
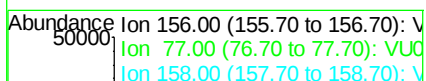
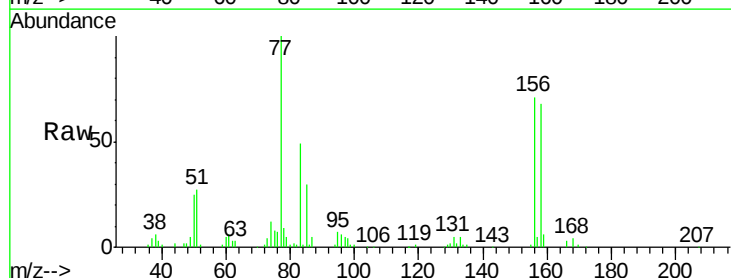
Tgt Ion: 156 Resp: 42253

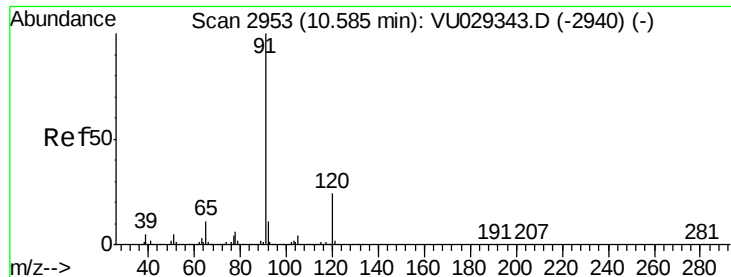
Ion Ratio Lower Upper

156 100

77 140.4 0.0 343.8

158 95.8 0.0 195.0





#73

n-propylbenzene

Concen: 1.846 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU029674.D

Acq: 26 Feb 2019 11:41

Instrument :

MSVOA_U

ClientSampleId :

VU0226WBSD01

Tot Ion:120 Resp: 44473

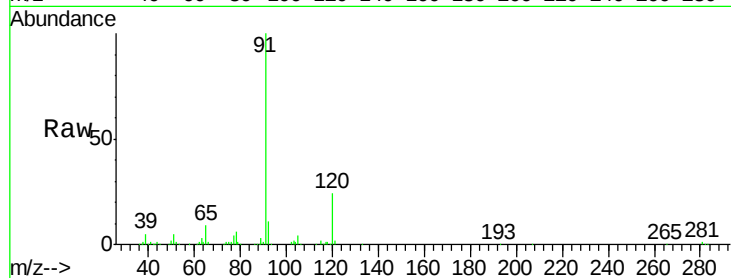
Ion Ratio Lower Upper

120 100

91 421.4 370.0 555.0

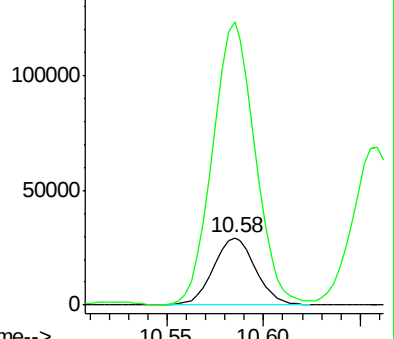
Manual Integrations
APPROVED

MMDadoda

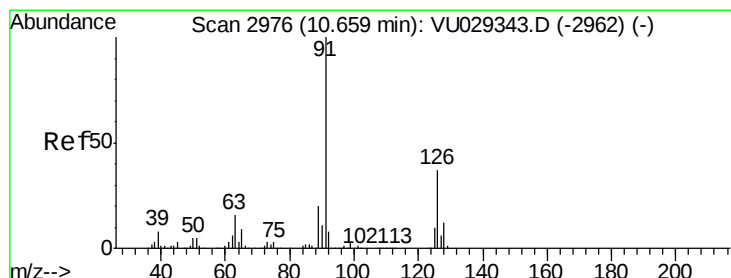
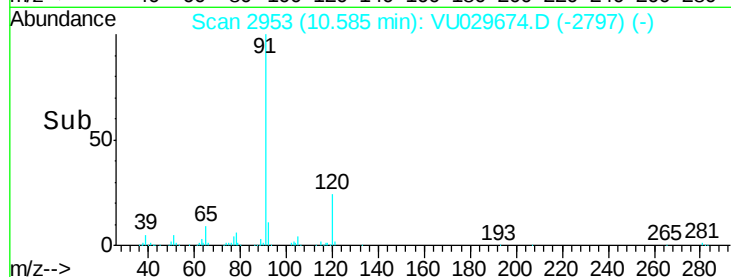


Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



3/5/2019 9:31:51 AM



#74

2-Chlorotoluene

Concen: 1.935 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU029674.D

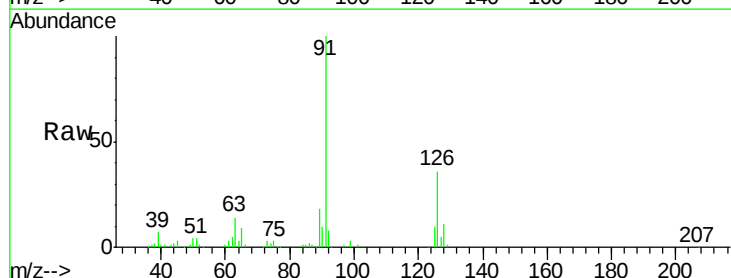
Acq: 26 Feb 2019 11:41

Tgt Ion:126 Resp: 39696

Ion Ratio Lower Upper

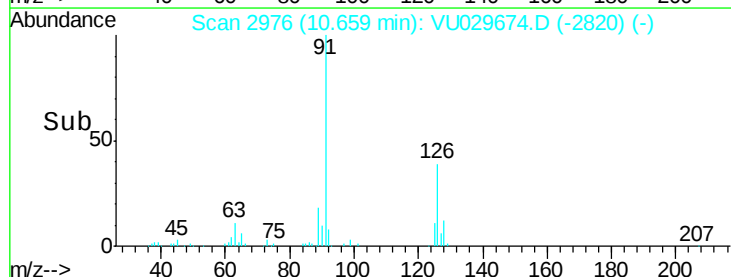
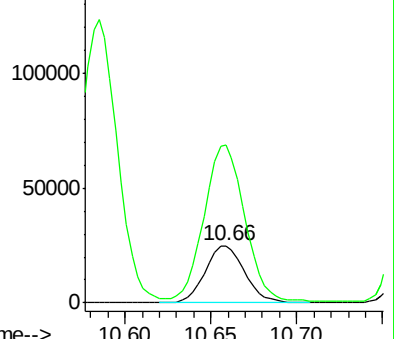
126 100

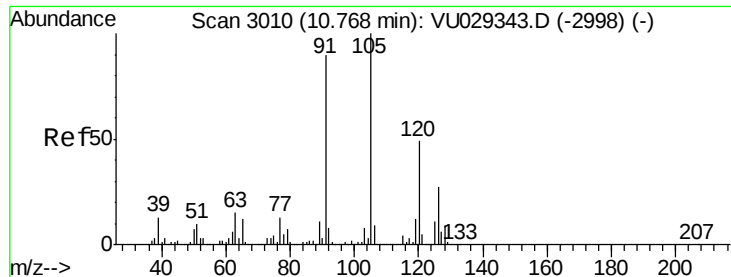
91 281.7 0.0 643.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 1.811 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU029674.D

Acq: 26 Feb 2019 11:41

Instrument :

MSVOA_U

ClientSampleId :

VU0226WBSD01

Tot Ion:105 Resp: 135090

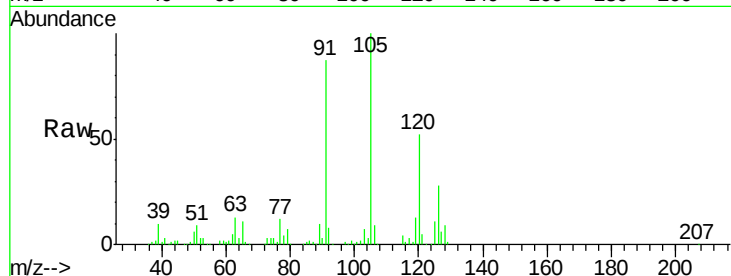
Ion Ratio Lower Upper

105 100

120 51.2 37.3 55.9

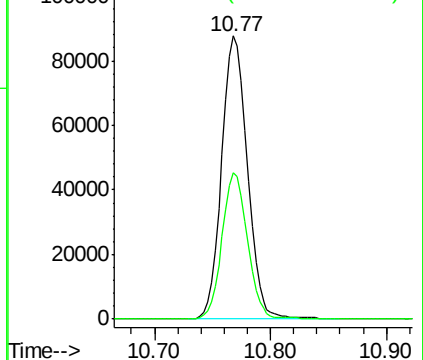
Manual Integrations
APPROVED

MMDadoda

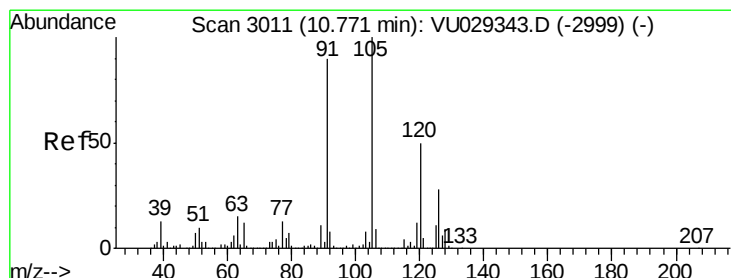
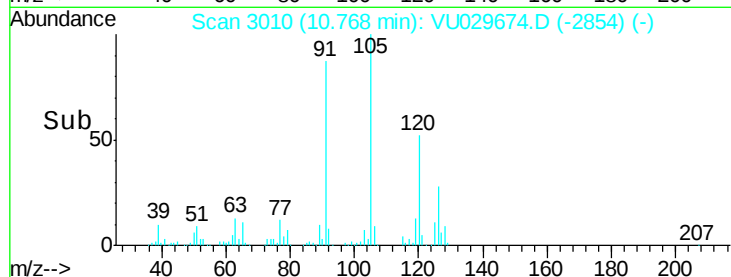


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



3/5/2019 9:31:51 AM



#76

4-Chlorotoluene

Concen: 1.861 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU029674.D

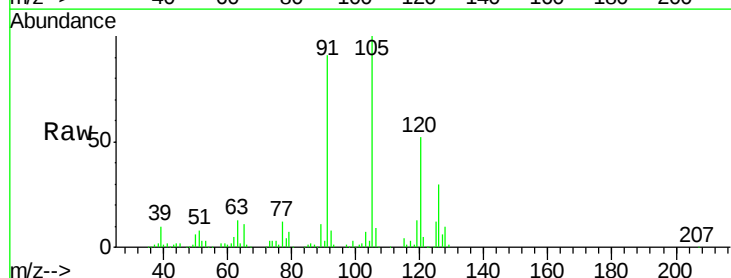
Acq: 26 Feb 2019 11:41

Tgt Ion:126 Resp: 39636

Ion Ratio Lower Upper

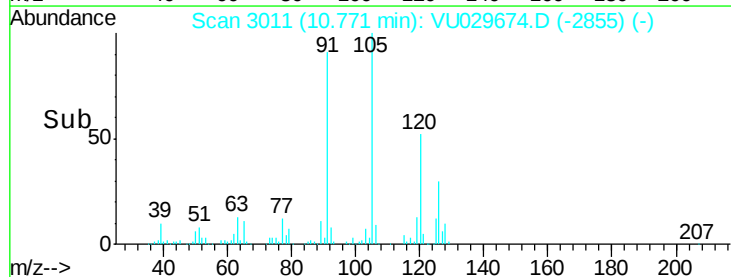
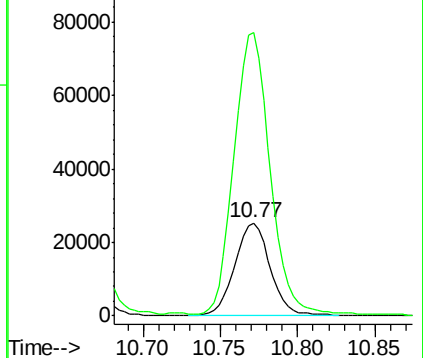
126 100

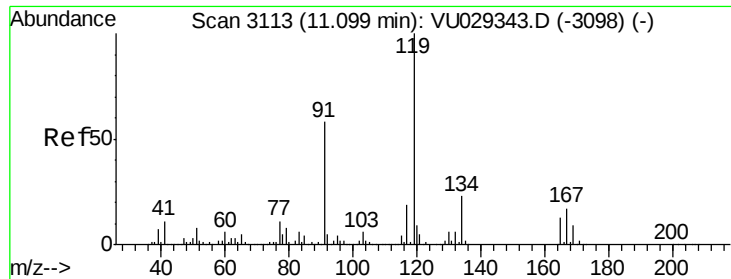
91 310.6 0.0 727.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





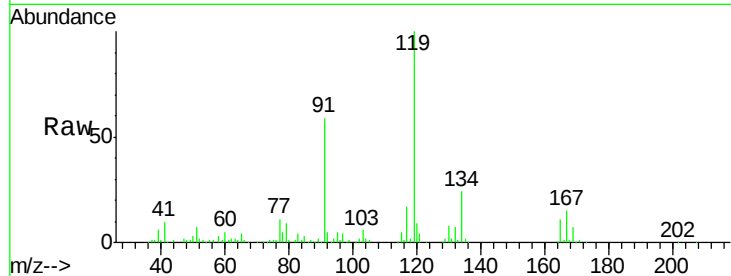
#77
 tert-Butylbenzene
 Concen: 1.826 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. -0.00 min
 Lab File: VU029674.D
 Acq: 26 Feb 2019 11:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0226WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	134597		
91	57.2		32.2	96.6
134	24.1		17.6	26.4

Manual Integrations
 APPROVED

MM Dadoda

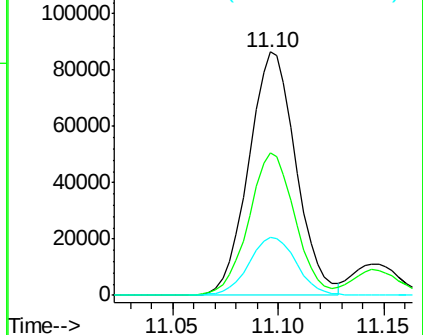


Abundance

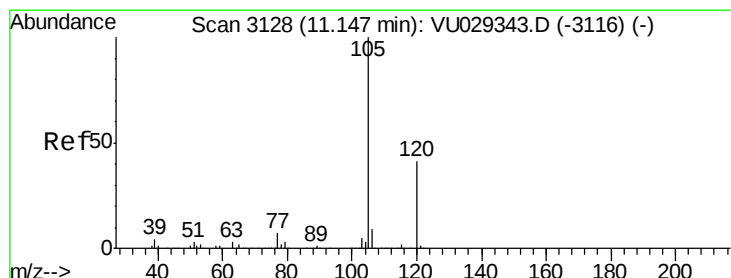
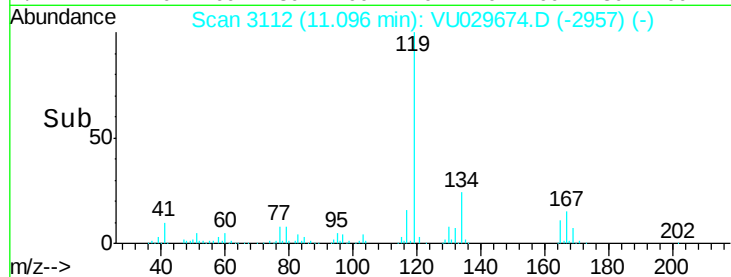
Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V

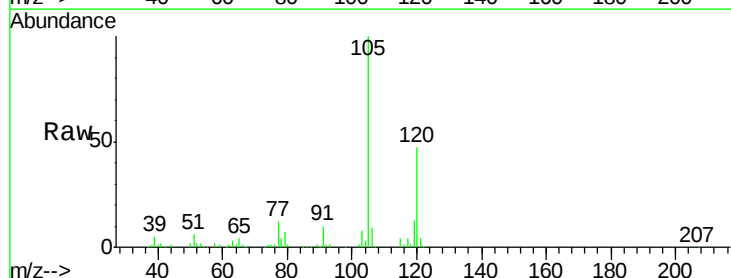


3/5/2019 9:31:51 AM



#78
 1,2,4-Trimethylbenzene
 Concen: 1.842 ug/l
 RT: 11.14 min Scan# 3127
 Delta R.T. -0.00 min
 Lab File: VU029674.D
 Acq: 26 Feb 2019 11:41

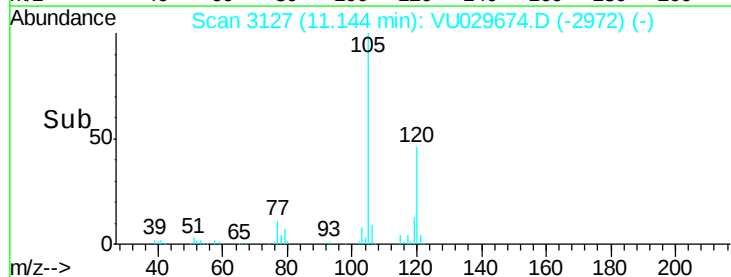
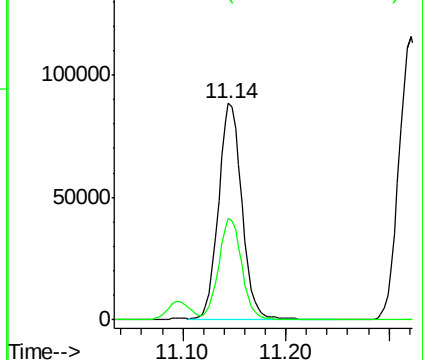
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	139092		
120	45.8		21.4	64.3

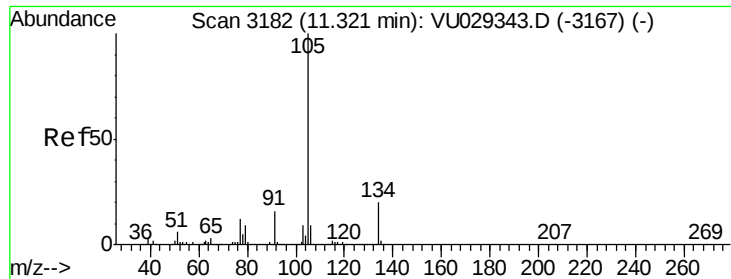


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 1.898 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU029674.D

Acq: 26 Feb 2019 11:41

Instrument :

MSVOA_U

ClientSampleId :

VU0226WBSD01

Tot Ion: 105 Resp: 183075

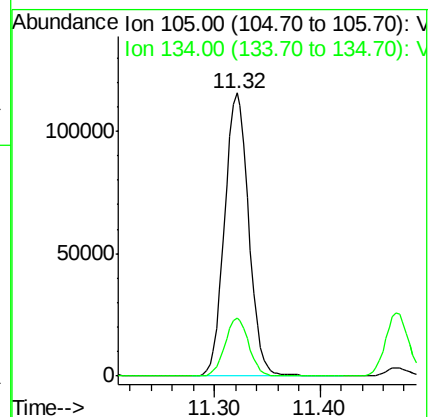
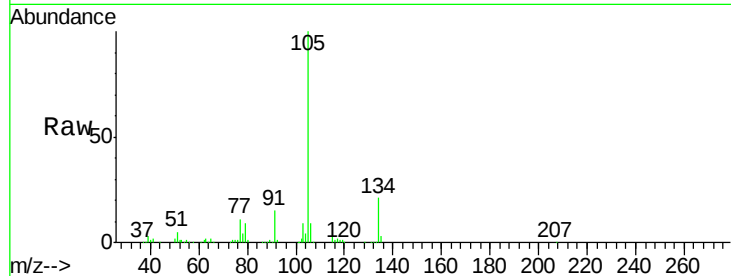
Ion Ratio Lower Upper

105 100

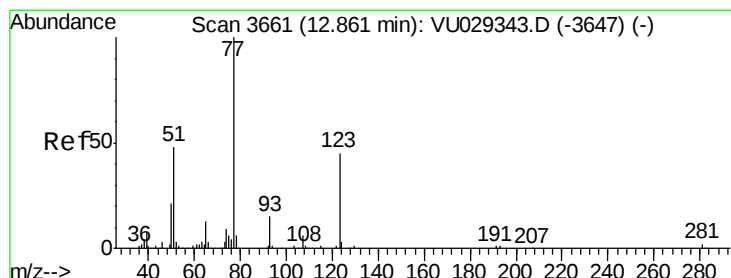
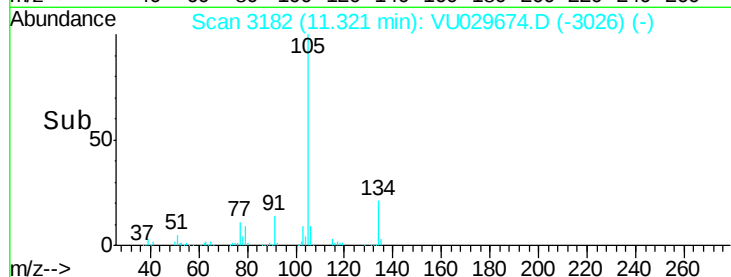
134 20.2 15.0 22.6

Manual Integrations
APPROVED

MMDadoda



3/5/2019 9:31:51 AM



#80

Nitrobenzene

Concen: 2.505 ug/l m

RT: 12.88 min Scan# 3666

Delta R.T. 0.02 min

Lab File: VU029674.D

Acq: 26 Feb 2019 11:41

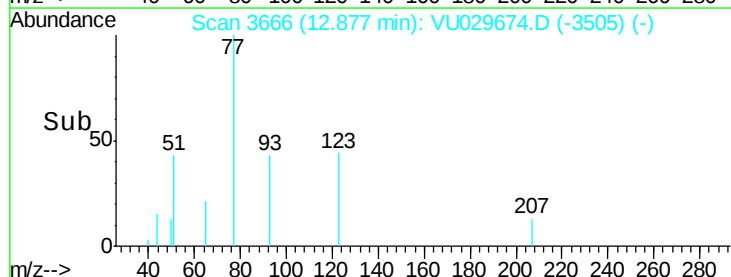
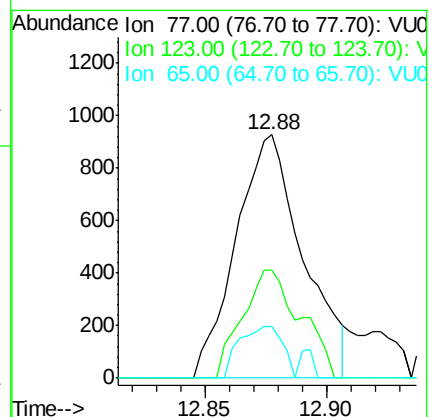
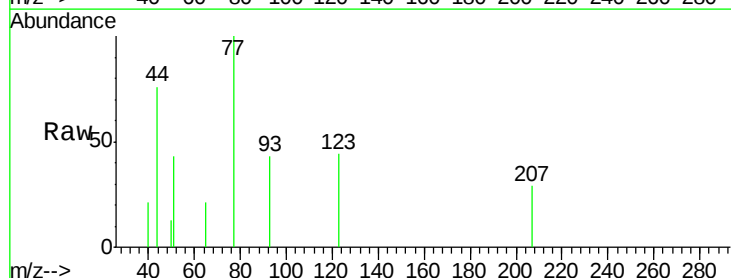
Tgt Ion: 77 Resp: 1780

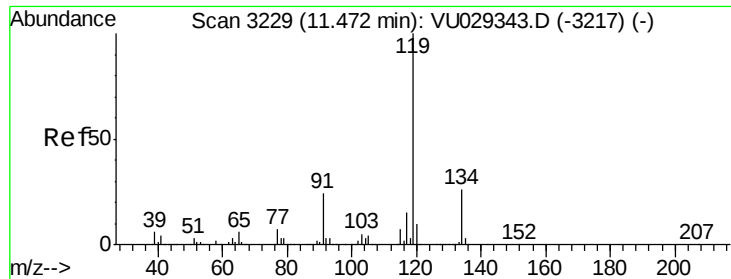
Ion Ratio Lower Upper

77 100

123 38.5 17.5 61.9

65 13.6 10.8 13.8





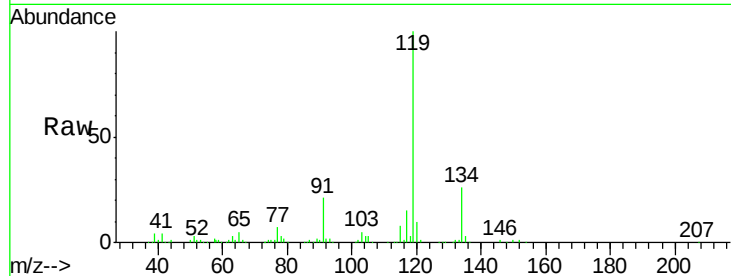
#81
 p-Isopropyltoluene
 Concen: 1.860 ug/l
 RT: 11.47 min Scan# 3229
 Delta R.T. 0.00 min
 Lab File: VU029674.D
 Acq: 26 Feb 2019 11:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0226WBSD01

Tot Ion	Ratio	Resp Lower	Upper
119	100		
134	26.3	19.8	29.6
91	22.0	21.5	32.3

Manual Integrations
 APPROVED

MM Dadoda

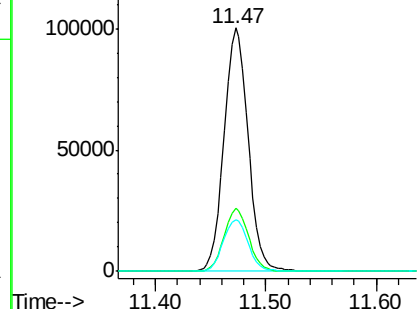
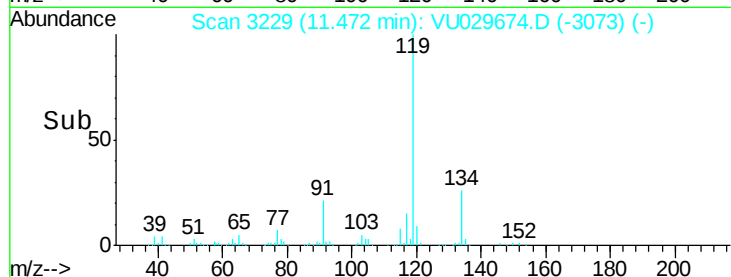


Abundance

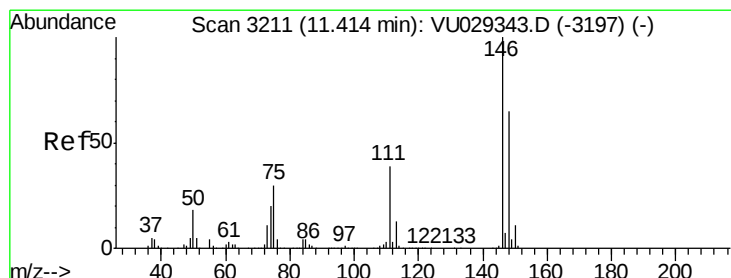
Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

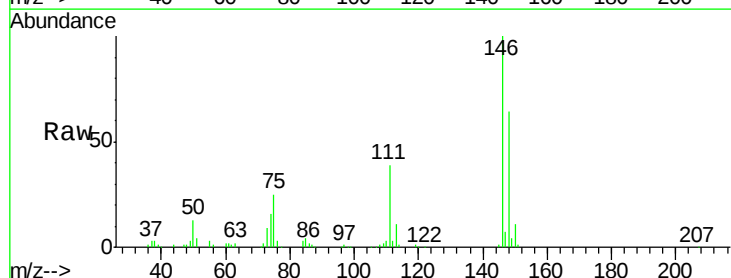


3/5/2019 9:31:51 AM



#82
 1,3-Dichlorobenzene
 Concen: 2.030 ug/l
 RT: 11.41 min Scan# 3211
 Delta R.T. 0.00 min
 Lab File: VU029674.D
 Acq: 26 Feb 2019 11:41

Tgt Ion	Ratio	Resp Lower	Upper
146	100		
111	38.5	34.1	51.1
148	63.9	52.3	78.5

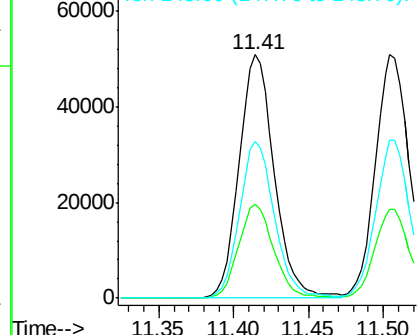
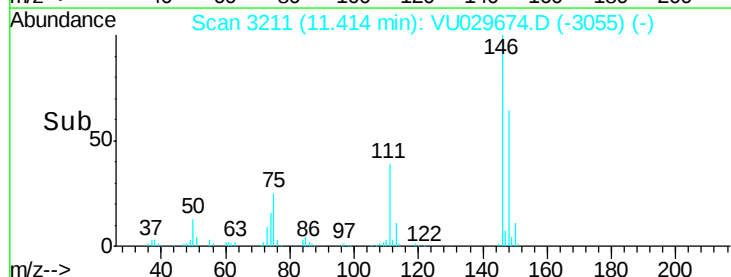


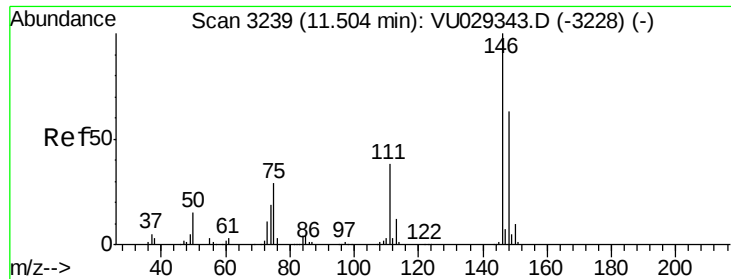
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





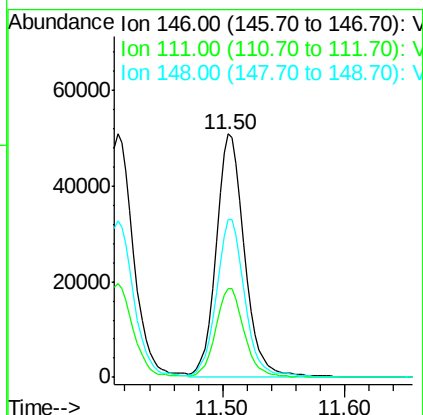
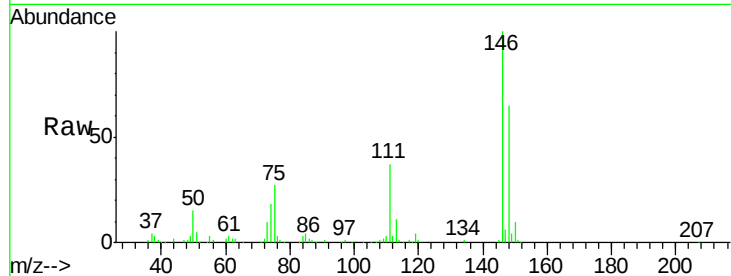
#83
1,4-Dichlorobenzene
Concen: 2.015 ug/l
RT: 11.50 min Scan# 3239
Delta R.T. 0.00 min
Lab File: VU029674.D
Acq: 26 Feb 2019 11:41

Instrument :
MSVOA_U
ClientSampleId :
VU0226WBSD01

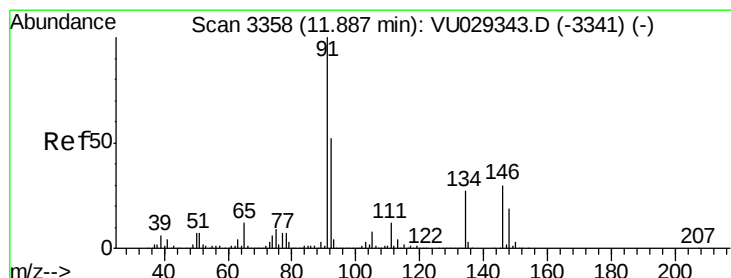
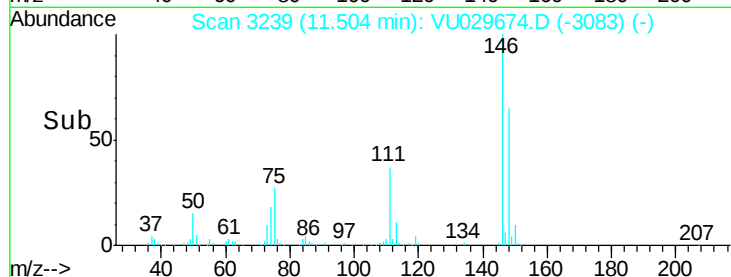
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.1	32.9	49.3
148	64.9	51.8	77.6

Manual Integrations
APPROVED

MM Dadoda

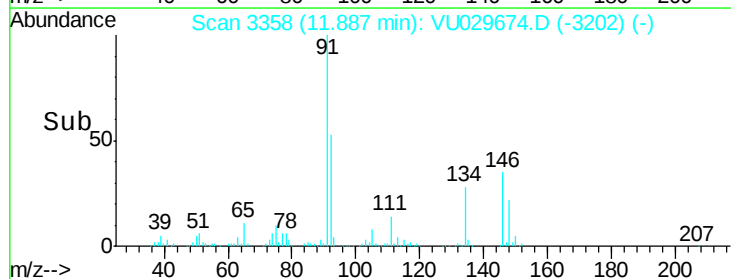
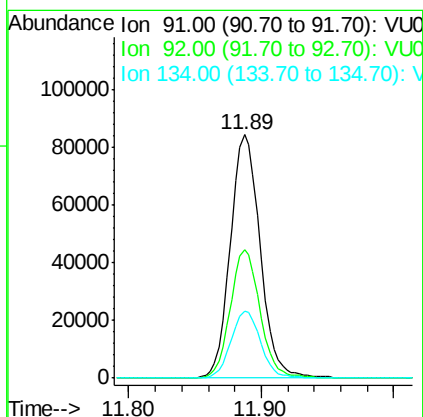
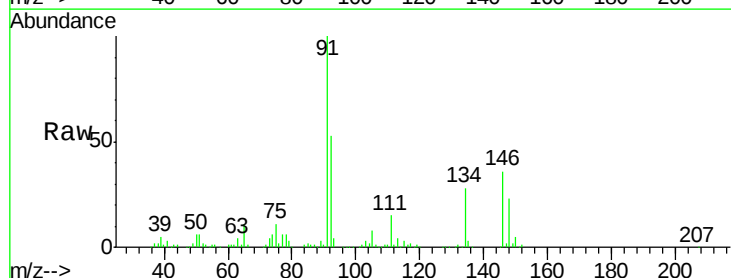


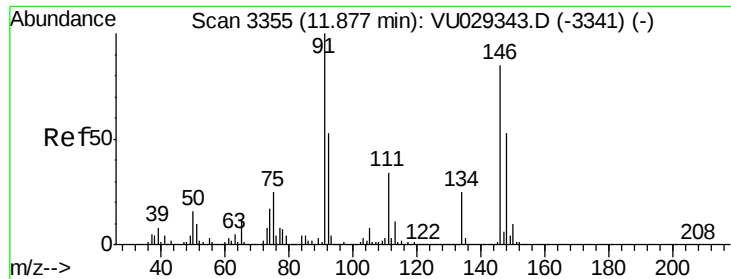
3/5/2019 9:31:51 AM



#84
n-Butylbenzene
Concen: 1.762 ug/l
RT: 11.89 min Scan# 3358
Delta R.T. 0.00 min
Lab File: VU029674.D
Acq: 26 Feb 2019 11:41

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.6	41.0	61.6
134	27.4	19.1	28.7





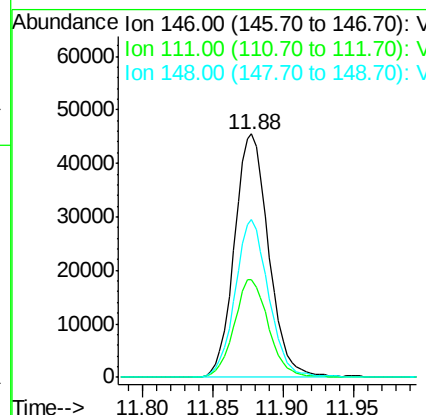
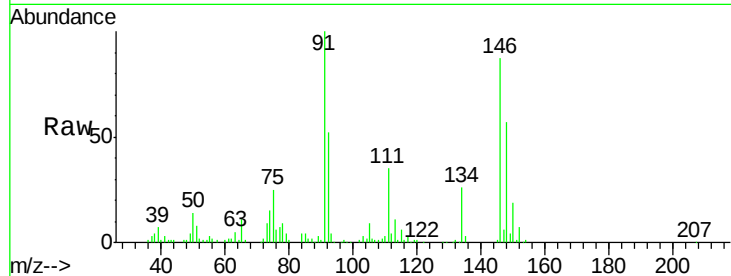
#85
 1,2-Dichlorobenzene
 Concen: 1.991 ug/l
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU029674.D
 Acq: 26 Feb 2019 11:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0226WBSD01

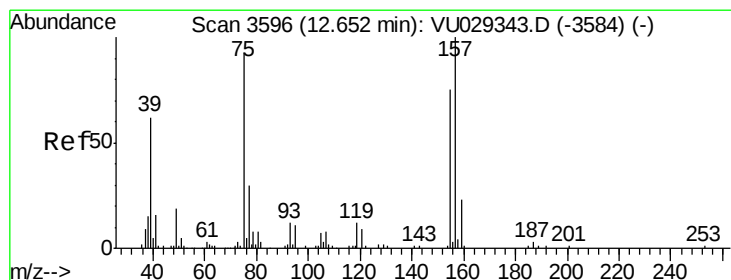
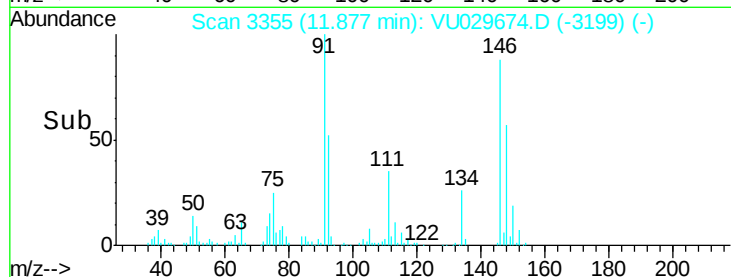
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	21.9	65.8
148	63.7	31.8	95.3

Manual Integrations
 APPROVED

MM Dadoda

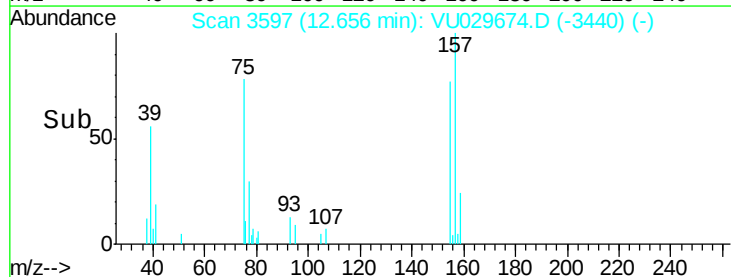
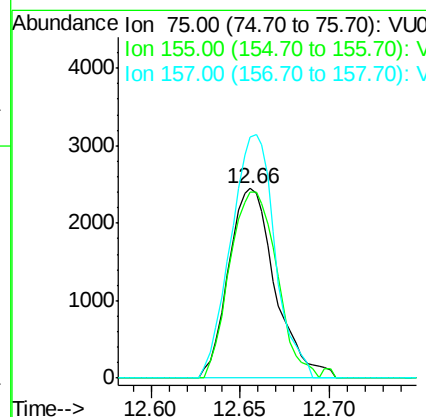
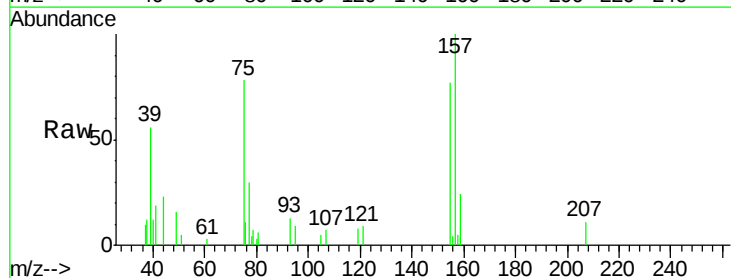


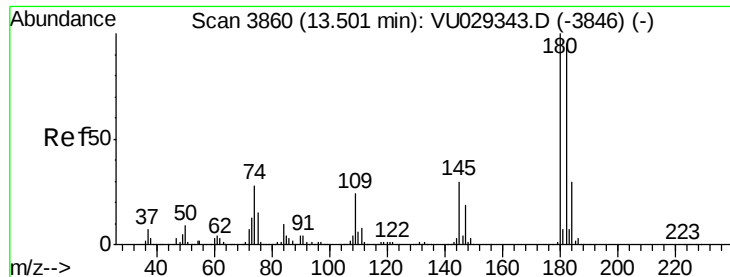
3/5/2019 9:31:51 AM



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 1.493 ug/l
 RT: 12.66 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VU029674.D
 Acq: 26 Feb 2019 11:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.7	53.8	80.8#
157	122.3	69.2	103.8#





#87

1,2,4-Trichlorobenzene

Concen: 1.898 ug/l

RT: 13.50 min Scan# 3860

Delta R.T. 0.00 min

Lab File: VU029674.D

Acq: 26 Feb 2019 11:41

Instrument :

MSVOA_U

ClientSampleId :

VU0226WBSD01

Tot Ion:180 Resp: 51858

Ion Ratio Lower Upper

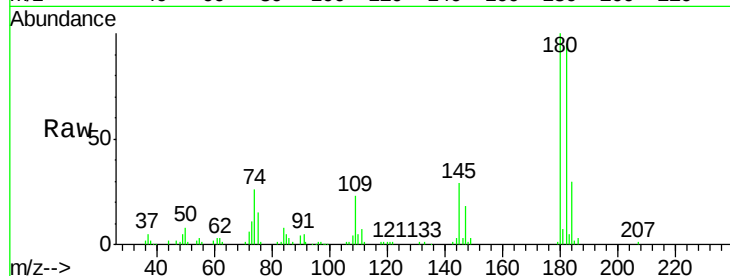
180 100

182 93.3 76.6 114.8

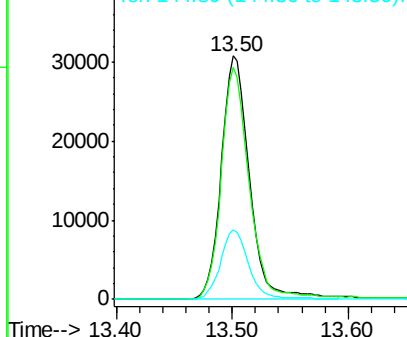
145 28.5 24.6 36.8

Manual Integrations
APPROVED

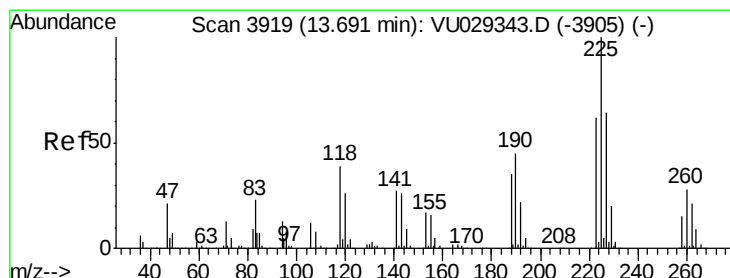
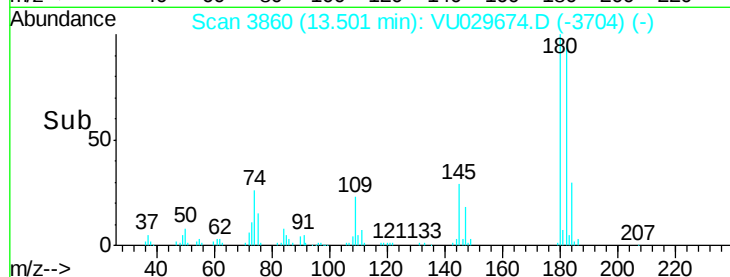
MMDadoda



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



3/5/2019 9:31:51 AM



#88

Hexachlorobutadiene

Concen: 2.037 ug/l

RT: 13.69 min Scan# 3919

Delta R.T. 0.00 min

Lab File: VU029674.D

Acq: 26 Feb 2019 11:41

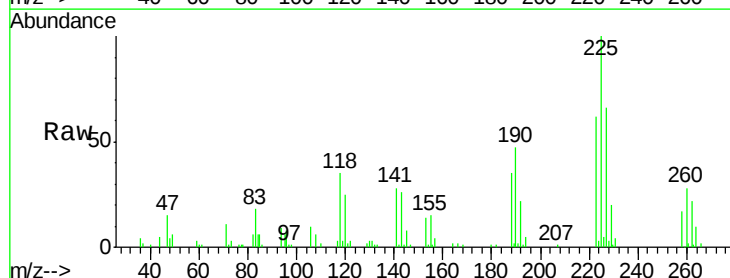
Tgt Ion:225 Resp: 32228

Ion Ratio Lower Upper

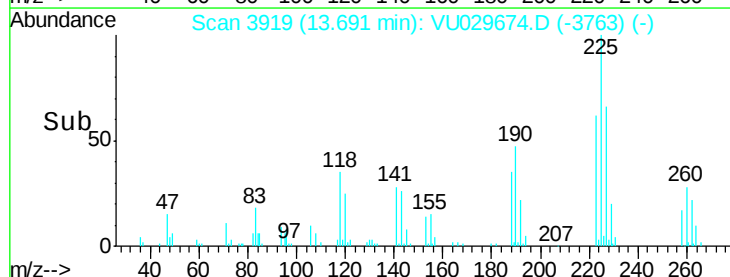
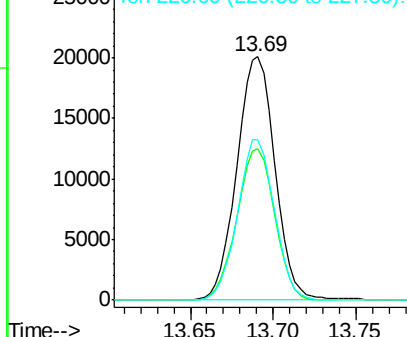
225 100

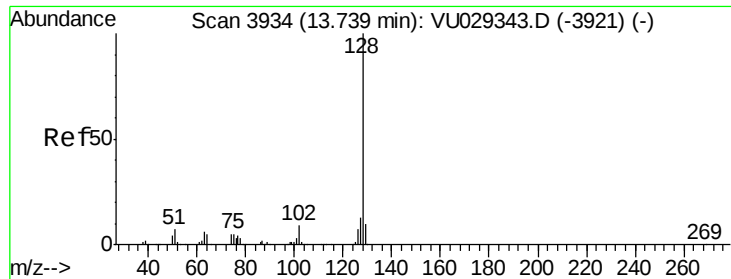
223 61.6 49.5 74.3

227 63.5 50.4 75.6



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





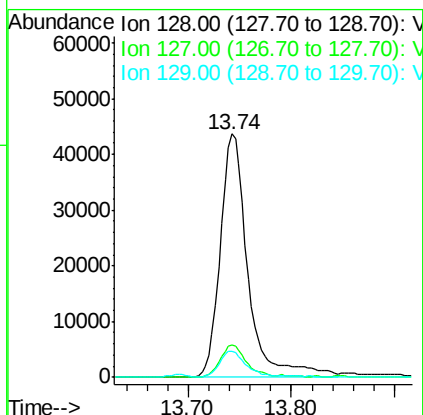
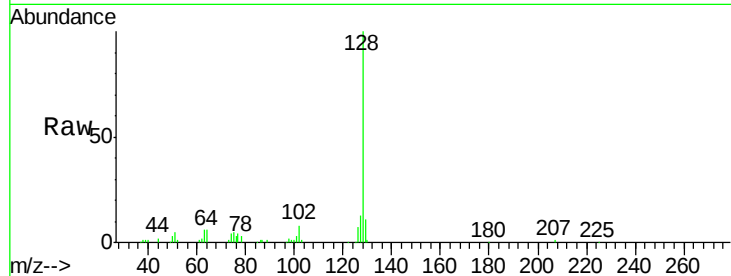
#89
Naphthalene
Concen: 1.768 ug/l
RT: 13.74 min Scan# 3935
Delta R.T. 0.00 min
Lab File: VU029674.D
Acq: 26 Feb 2019 11:41

Instrument :
MSVOA_U
ClientSampleId :
VU0226WBSD01

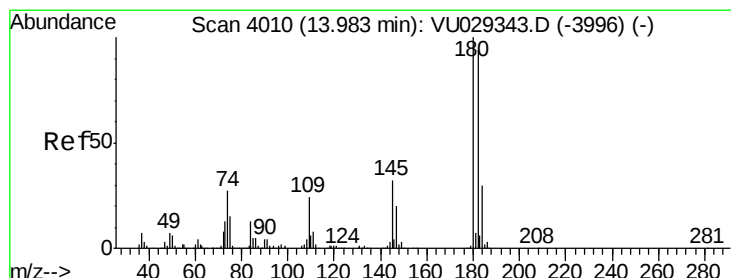
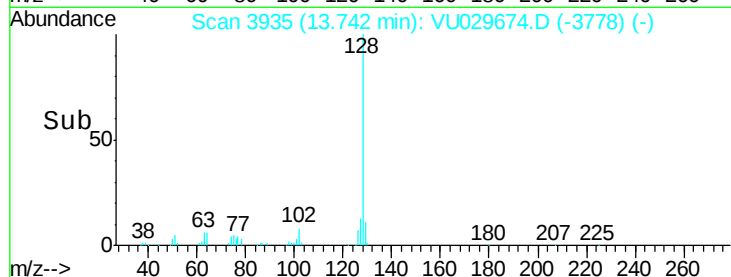
Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.7	16.1
129	10.0	8.2	12.4

Manual Integrations
APPROVED

MM Dadoda



3/5/2019 9:31:51 AM



#90
1,2,3-Trichlorobenzene
Concen: 1.942 ug/l
RT: 13.99 min Scan# 4011
Delta R.T. 0.00 min
Lab File: VU029674.D
Acq: 26 Feb 2019 11:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	78.0	117.0
145	29.5	26.6	39.8

