

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\U041519\
 Data File : VU031201.D
 Acq On : 15 Apr 2019 22:20
 Operator : JC/SP
 Sample : VSTDICCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 Client Sample ID :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 5/6/2019 1:41:11 PM

Quant Time: Apr 16 04:35:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U041519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Apr 16 04:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	35973	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	14341	1.12	ug/l	0.00
Spiked Amount 1.000			Recovery	=	112.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	13350	1.09	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	150425	10.310	ug/l	100
3) Chloromethane	1.32	50	156747	9.091	ug/l	100
4) Vinyl Chloride	1.40	62	151628	9.216	ug/l	100
5) Bromomethane	1.63	94	90887	11.180	ug/l	100
6) Chloroethane	1.70	64	103750	10.840	ug/l	100
7) Trichlorofluoromethane	1.88	101	220528	11.241	ug/l	100
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	111387	11.276	ug/l	100
9) 1,1-Dichloroethene	2.29	96	111190	11.359	ug/l	100
10) Iodomethane	2.41	142	161747	12.695	ug/l	100
11) Allyl Chloride	2.59	41	225962	10.789	ug/l	100
12) Acrylonitrile	2.94	53	67656	21.256	ug/l	100
13) Acetone	2.33	43	130717	44.771	ug/l	100
14) Carbon Disulfide	2.48	76	414765	11.533	ug/l	100
15) Methylene Chloride	2.70	84	135816	10.172	ug/l	100
16) trans-1,2-Dichloroethene	2.98	96	124148	11.211	ug/l	100
17) 1,1-Dichloroethane	3.44	63	184722	8.523	ug/l	100
18) 2-Butanone	4.27	43	160707	43.187	ug/l	100
19) Cyclohexane	4.99	56	142291	8.139	ug/l	100
20) Methylcyclohexane	6.41	83	158179	10.427	ug/l	100
21) 2,2-Dichloropropane	4.22	77	147744	8.824	ug/l	100
22) cis-1,2-Dichloroethene	4.22	96	108649	9.718	ug/l	100
23) Diethyl Ether	2.10	59	107085	10.870	ug/l	100
24) tert-Butyl Alcohol	2.86	59	115503	100.370	ug/l	100
25) Methyl tert-Butyl Ether	3.00	73	337779	11.037	ug/l	100
26) Bromochloromethane	4.54	128	48644	10.045	ug/l	100
27) Chloroform	4.67	83	186986	9.109	ug/l	100
28) 1,1,1-Trichloroethane	4.91	97	160420	9.492	ug/l	100
29) 1,1-Dichloropropene	5.13	75	142747	9.643	ug/l	100
30) Carbon Tetrachloride	5.13	117	143150	9.699	ug/l	100
31) Isopropyl Ether	3.57	45	279015	7.924	ug/l	100
32) Ethyl-t-butyl ether	4.07	59	249545	8.722	ug/l	100
33) Tert-Amyl methyl ether	5.58	73	246412	10.240	ug/l	100
34) Propionitrile	4.33	54	44756	48.388	ug/l	100
35) Benzene	5.39	78	438381	9.976	ug/l	100
36) 1,2-Dichloroethane	5.40	62	134719	9.638	ug/l	100
37) Trichloroethene	6.18	130	113601	10.622	ug/l	100
38) 1,2-Dichloropropane	6.43	63	117079	9.342	ug/l	100
39) Methacrylonitrile	4.54	41	39777	8.697	ug/l	100
40) Methyl acrylate	4.42	55	59484	10.583	ug/l	100
41) Tetrahydrofuran	4.65	42	40983	16.650	ug/l	100
42) 1-Chlorobutane	5.06	56	209653	9.324	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041519\
 Data File : VU031201.D
 Acq On : 15 Apr 2019 22:20
 Operator : JC/SP
 Sample : VSTDICCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

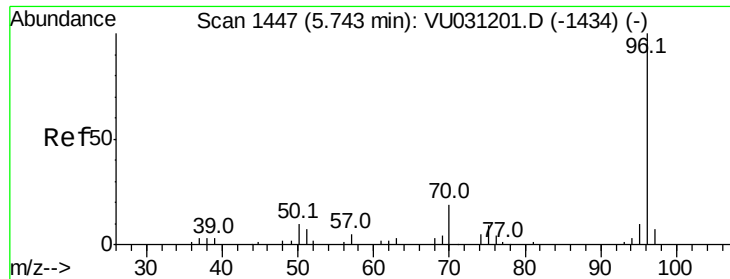
Manual Integrations
 APPROVED

MMDadoda
 5/6/2019 1:41:11 PM

Quant Time: Apr 16 04:35:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U041519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Apr 16 04:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	61388	10.442	ug/l	100
44) Bromodichloromethane	6.75	83	148688	9.683	ug/l	100
45) 4-Methyl-2-Pentanone	7.46	43	409595	48.986	ug/l	100
46) t-1,4-Dichloro-2-butene	10.51	75	59318m	20.607	ug/l	
47) Methyl methacrylate	6.62	69	119562	22.312	ug/l	100
48) Ethyl methacrylate	8.02	69	111848	11.143	ug/l	100
49) Toluene	7.63	92	258512	10.781	ug/l	100
50) t-1,3-Dichloropropene	7.88	75	137649	10.456	ug/l	100
51) cis-1,3-Dichloropropene	7.27	75	158417	10.012	ug/l	100
52) 1,1,2-Trichloroethane	8.06	97	82995	9.896	ug/l	100
53) 1,3-Dichloropropane	8.24	76	146487	9.978	ug/l	100
54) 2-Hexanone	8.36	43	278665	50.239	ug/l	100
55) Dibromochloromethane	8.47	129	99873	10.480	ug/l	100
56) 1,2-Dibromoethane	8.58	107	78468	10.367	ug/l	100
58) Tetrachloroethene	8.22	164	105078	11.055	ug/l	100
59) Chlorobenzene	9.12	112	274058	10.452	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.20	131	99044	10.011	ug/l	100
61) Pentachloroethane	11.10	117	75536	9.964	ug/l	100
62) Hexachloroethane	12.14	117	74212	10.302	ug/l	100
63) Ethyl Benzene	9.25	91	474202	10.921	ug/l	100
64) m/p-Xylenes	9.37	106	371998	23.432	ug/l	100
65) o-Xylene	9.77	106	171174	11.095	ug/l	100
66) Styrene	9.79	104	305577	11.471	ug/l	100
67) Bromoform	9.95	173	59423	10.849	ug/l	100
69) Isopropylbenzene	10.16	105	460059	11.175	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.45	83	106674	9.672	ug/l	100
71) 1,2,3-Trichloropropane	10.49	75	80275m	9.573	ug/l	
72) Bromobenzene	10.45	156	115700	11.118	ug/l	100
73) n-propylbenzene	10.58	120	127022	11.567	ug/l	100
74) 2-Chlorotoluene	10.66	126	113889	11.365	ug/l	100
75) 1,3,5-Trimethylbenzene	10.77	105	399397	11.453	ug/l	100
76) 4-Chlorotoluene	10.77	126	114764	11.221	ug/l	100
77) tert-Butylbenzene	11.10	119	379162	11.158	ug/l	100
78) 1,2,4-Trimethylbenzene	11.14	105	410718	11.562	ug/l	100
79) sec-Butylbenzene	11.32	105	512969	11.109	ug/l	100
80) Nitrobenzene	12.86	77	20899	63.668	ug/l	100
81) p-Isopropyltoluene	11.47	119	420948	11.626	ug/l	100
82) 1,3-Dichlorobenzene	11.41	146	224245	10.880	ug/l	100
83) 1,4-Dichlorobenzene	11.50	146	227418	11.164	ug/l	100
84) n-Butylbenzene	11.89	91	408551	11.227	ug/l	100
85) 1,2-Dichlorobenzene	11.87	146	210945	10.769	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.65	75	17916	10.404	ug/l	100
87) 1,2,4-Trichlorobenzene	13.50	180	140044	11.970	ug/l	100
88) Hexachlorobutadiene	13.69	225	81085	11.548	ug/l	100
89) Naphthalene	13.74	128	264836	12.851	ug/l	100
90) 1,2,3-Trichlorobenzene	13.98	180	137740	11.838	ug/l	100

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1447

Delta R.T. 0.00 min

Lab File: VU031201.D

Acq: 15 Apr 2019 22:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 96 Resp: 35973

Ion Ratio Lower Upper

96 100

70 23.0 18.4 27.6

95 9.5 7.6 11.4

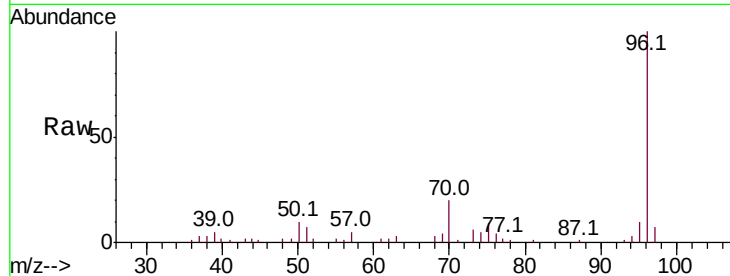
97 0.0 0.0 0.0

Manual Integrations

APPROVED

MMDadoda

5/6/2019 1:41:11 PM

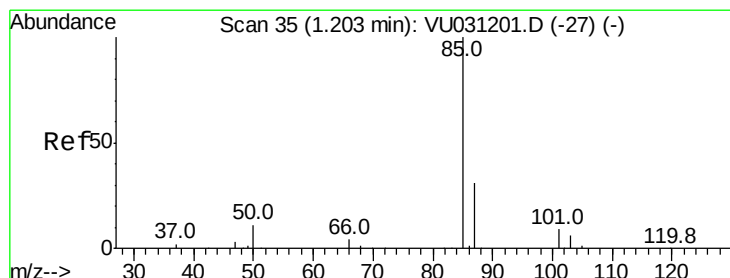
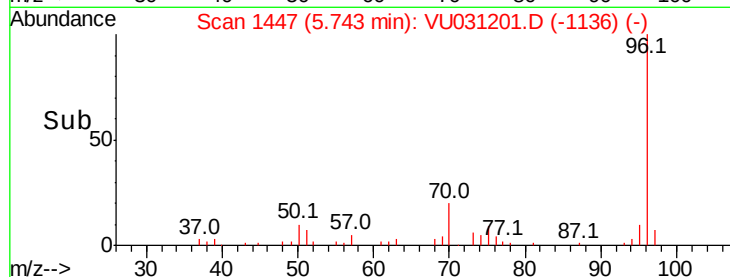
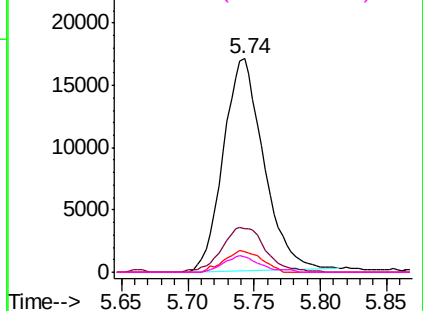


Abundance Ion 96.00 (95.70 to 96.70): VU0

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



#2

Dichlorodifluoromethane

Concen: 10.310 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU031201.D

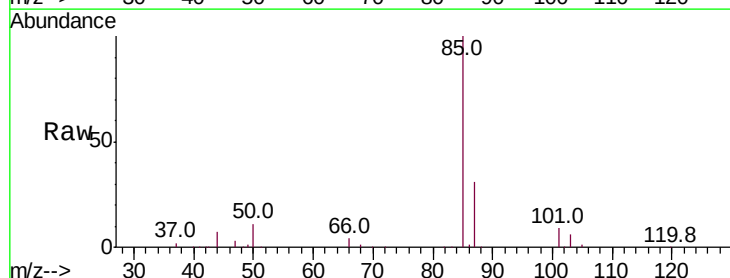
Acq: 15 Apr 2019 22:20

Tgt Ion: 85 Resp: 150425

Ion Ratio Lower Upper

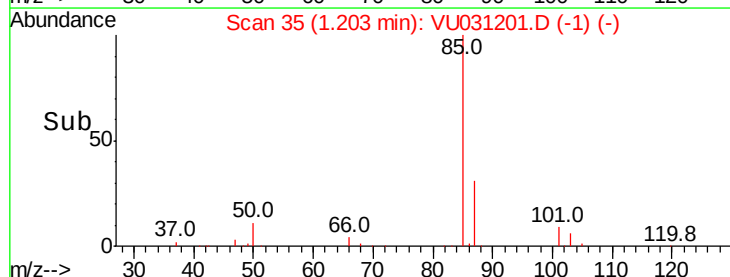
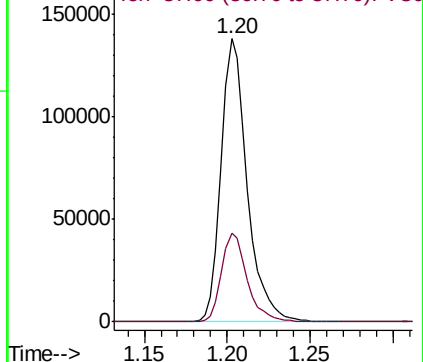
85 100

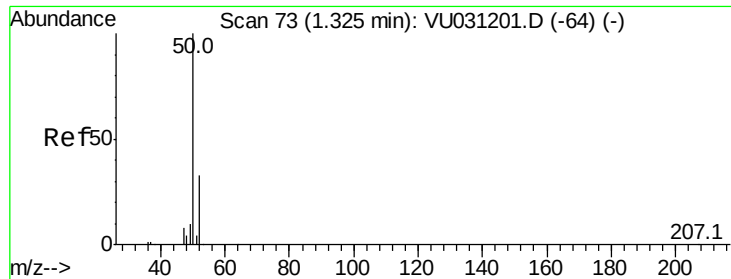
87 31.5 15.8 47.3



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 9.091 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU031201.D

Acq: 15 Apr 2019 22:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 50 Resp: 156747

Ion Ratio Lower Upper

50 100

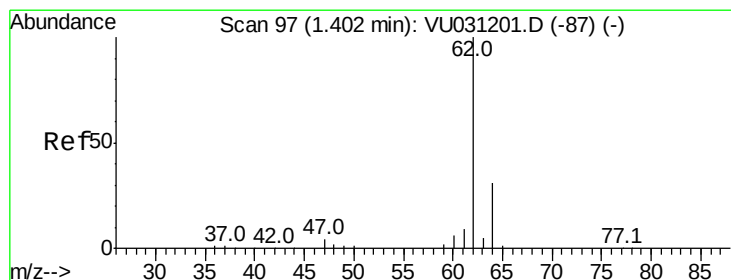
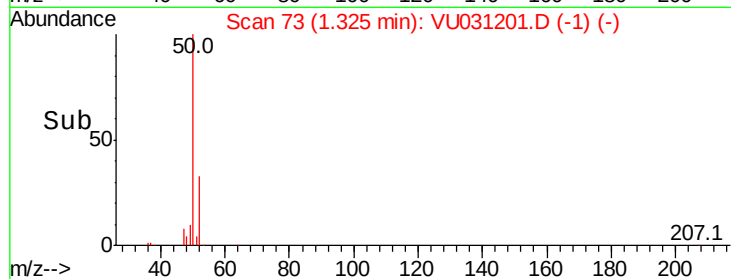
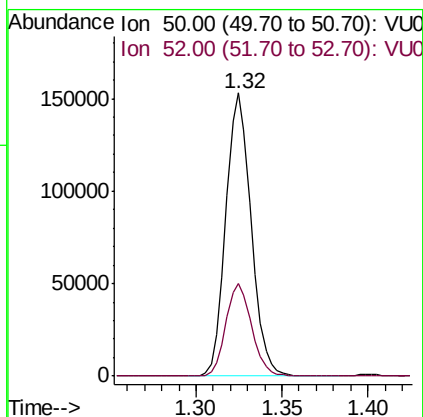
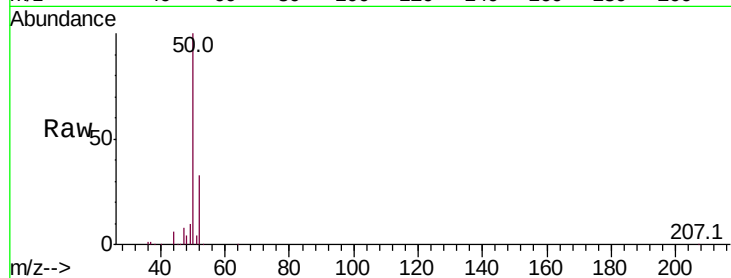
52 32.7 26.2 39.2

Manual Integrations

APPROVED

MMDadoda

5/6/2019 1:41:11 PM



#4

Vinyl Chloride

Concen: 9.216 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU031201.D

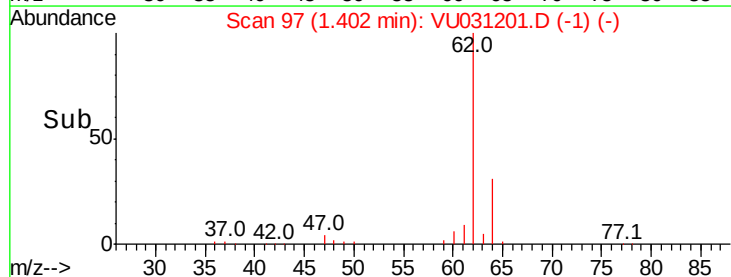
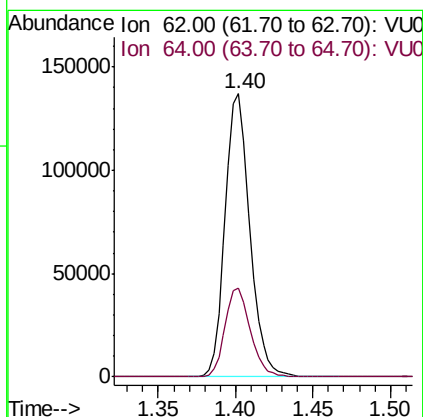
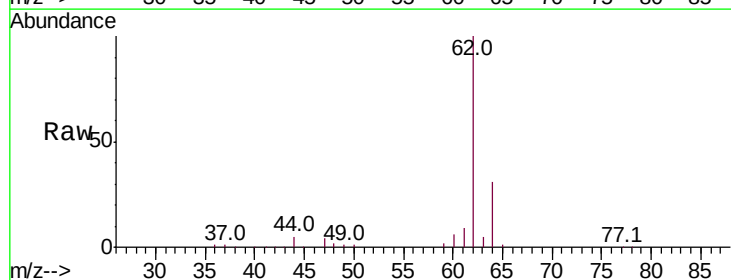
Acq: 15 Apr 2019 22:20

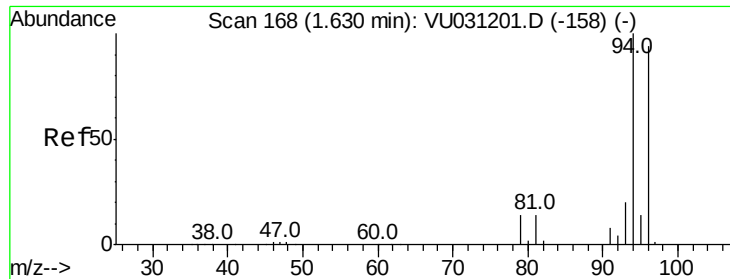
Tgt Ion: 62 Resp: 151628

Ion Ratio Lower Upper

62 100

64 31.3 25.0 37.6





#5

Bromomethane

Concen: 11.180 ug/l

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VU031201.D

Acq: 15 Apr 2019 22:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 94 Resp: 90887

Ion Ratio Lower Upper

94 100

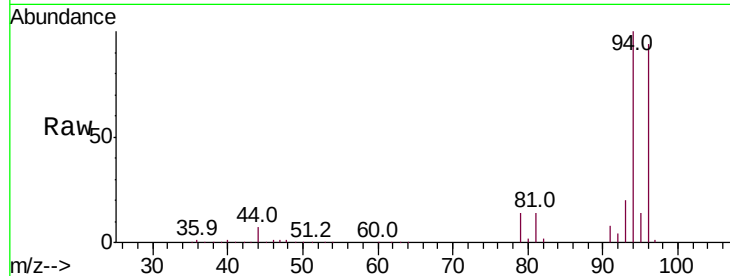
96 93.8 75.0 112.6

Manual Integrations

APPROVED

MMDadoda

5/6/2019 1:41:11 PM

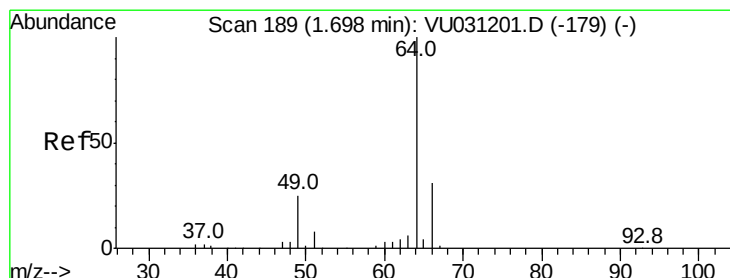
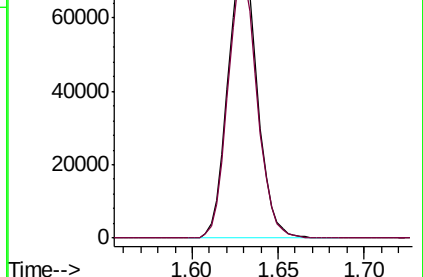
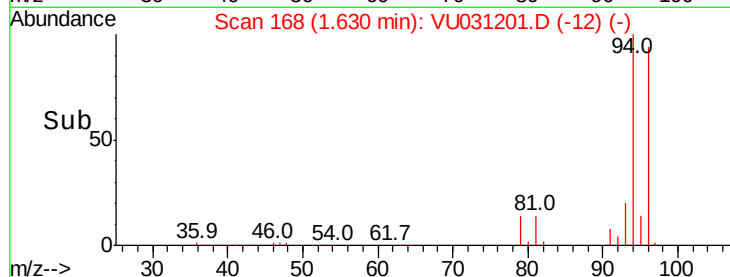


Abundance Ion 94.00 (93.70 to 94.70): VU031201.D (-158) (-)

Ion 96.00 (95.70 to 96.70): VU031201.D (-158) (-)

1.63

Time-->



#6

Chloroethane

Concen: 10.840 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU031201.D

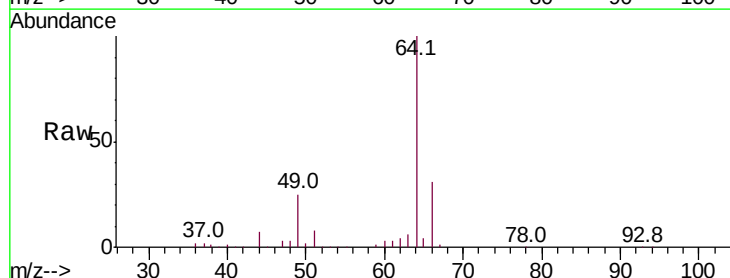
Acq: 15 Apr 2019 22:20

Tgt Ion: 64 Resp: 103750

Ion Ratio Lower Upper

64 100

66 31.4 25.1 37.7

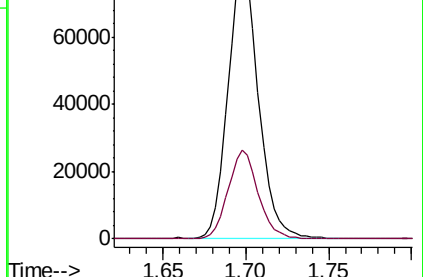
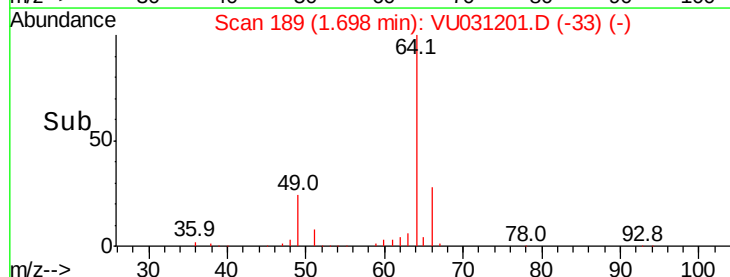


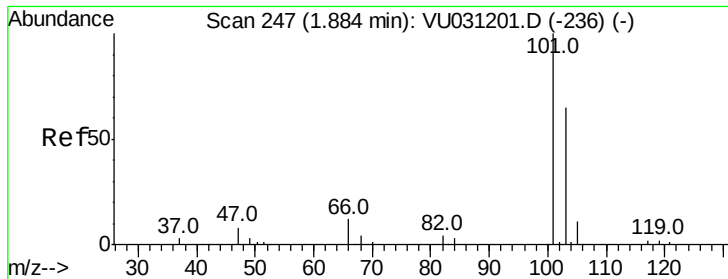
Abundance Ion 64.00 (63.70 to 64.70): VU031201.D (-179) (-)

Ion 66.00 (65.70 to 66.70): VU031201.D (-179) (-)

1.70

Time-->





#7

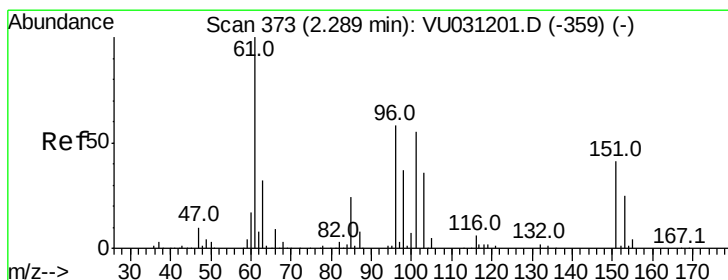
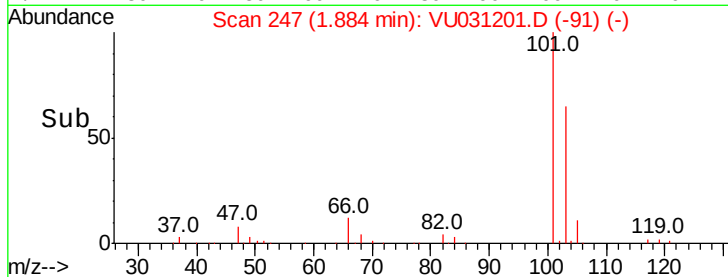
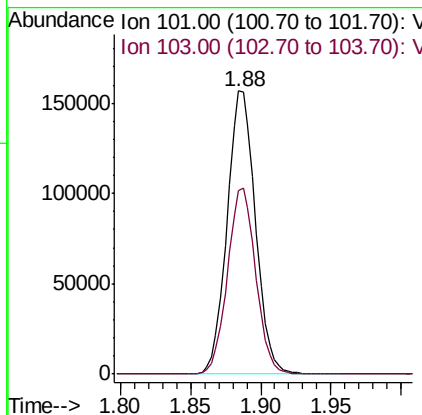
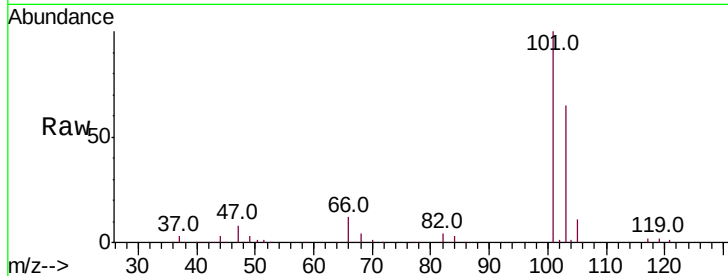
Trichlorofluoromethane
Concen: 11.241 ug/l
RT: 1.88 min Scan# 247
Delta R.T. 0.00 min
Lab File: VU031201.D
Acq: 15 Apr 2019 22:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Resp	Lower	Upper
101	100	220528		
103	64.8		51.8	77.8

Manual Integrations
APPROVED

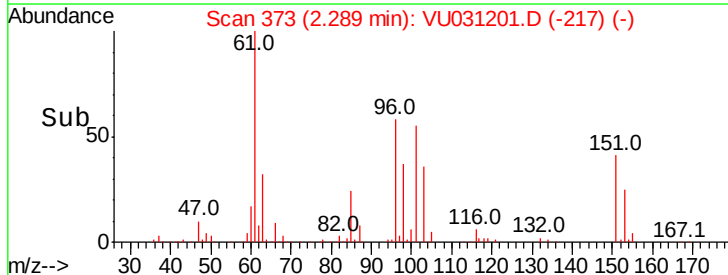
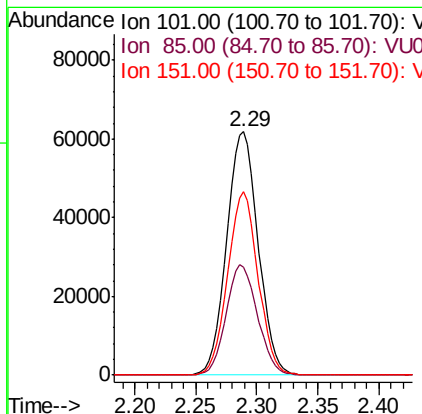
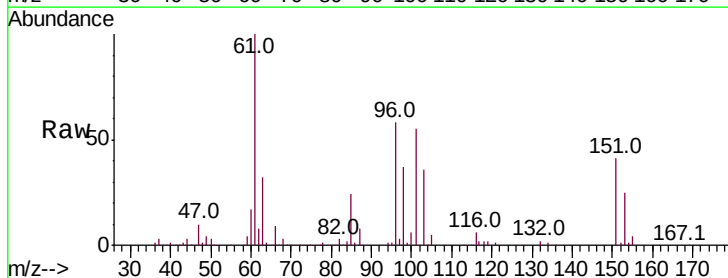
MMDadoda
5/6/2019 1:41:11 PM

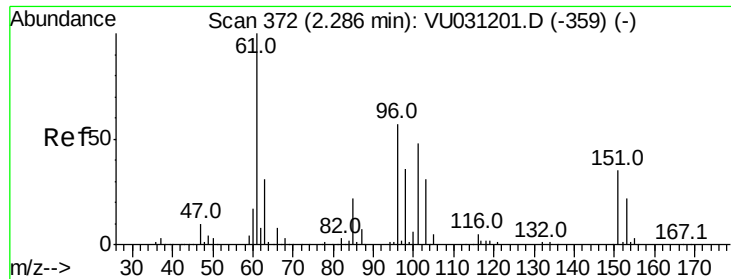


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 11.276 ug/l
RT: 2.29 min Scan# 373
Delta R.T. 0.00 min
Lab File: VU031201.D
Acq: 15 Apr 2019 22:20

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	111387		
85	45.1		36.1	54.1
151	72.7		58.2	87.2





#9

1,1-Dichloroethene

Concen: 11.359 ug/l

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU031201.D

Acq: 15 Apr 2019 22:20

Instrument :

MSVOA_U

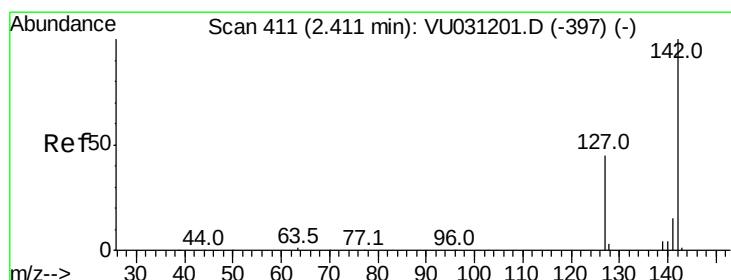
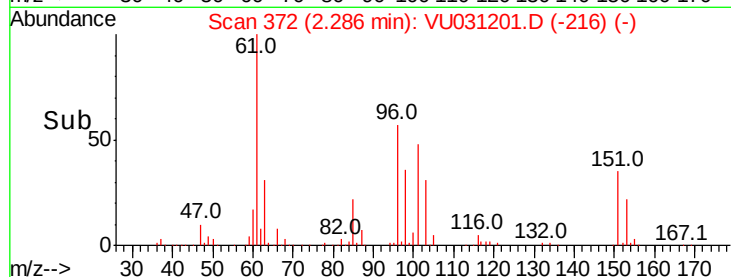
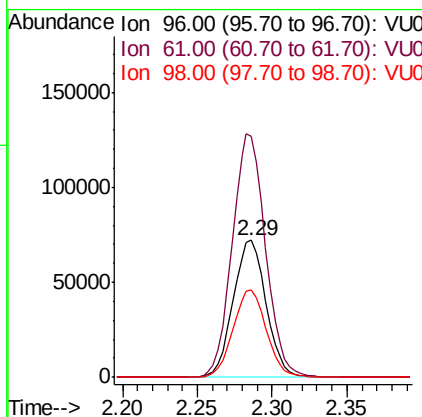
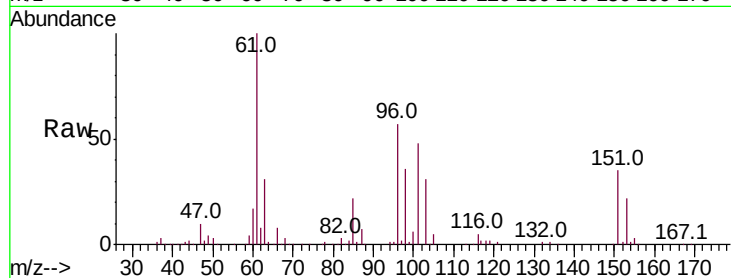
ClientSampleId :

VSTDICCC010

Tot Ion:	96	Resp:	111190
Ion Ratio	Lower	Upper	
96	100		
61	175.9	0.0	527.7
98	63.8	0.0	127.6

Manual Integrations
APPROVED

MMDadoda
5/6/2019 1:41:11 PM



#10

Iodomethane

Concen: 12.695 ug/l

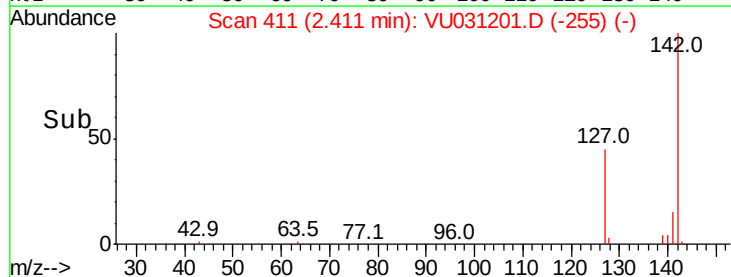
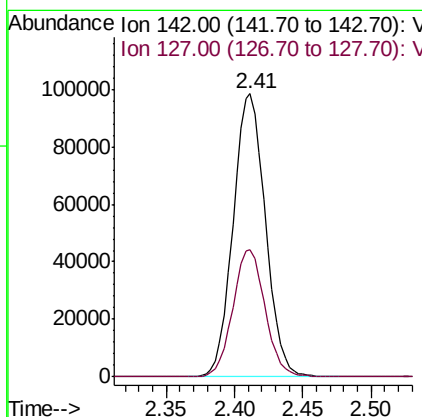
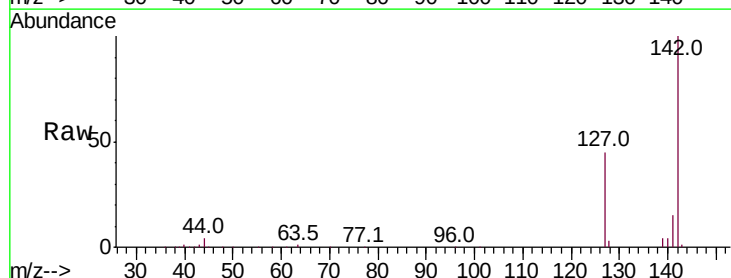
RT: 2.41 min Scan# 411

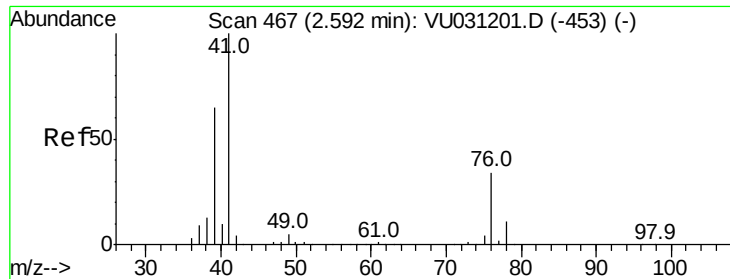
Delta R.T. 0.00 min

Lab File: VU031201.D

Acq: 15 Apr 2019 22:20

Tgt Ion:	142	Resp:	161747
Ion Ratio	Lower	Upper	
142	100		
127	44.9	35.9	53.9





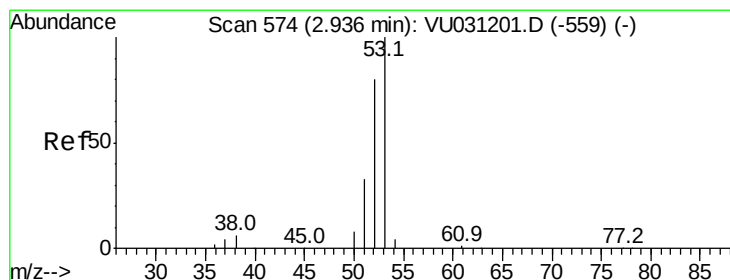
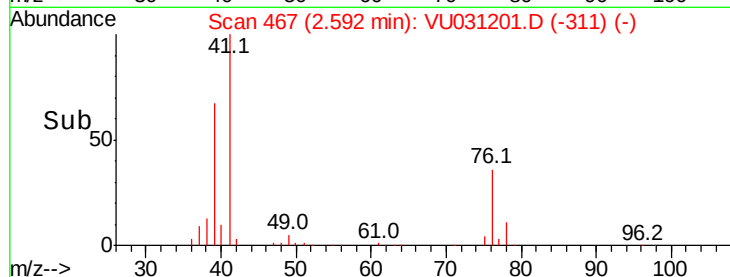
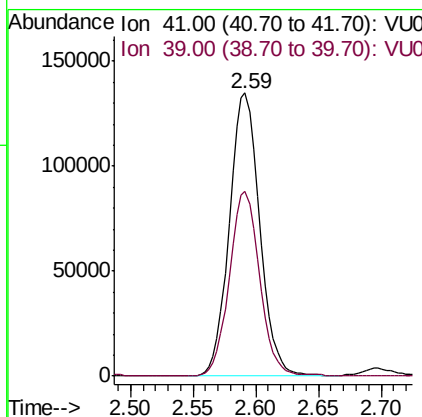
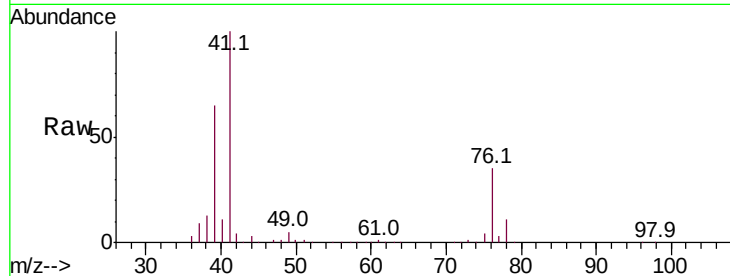
#11
Allvl Chloride
Concen: 10.789 ug/l
RT: 2.59 min Scan# 467
Delta R.T. 0.00 min
Lab File: VU031201.D
Acq: 15 Apr 2019 22:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.9	51.9	77.9

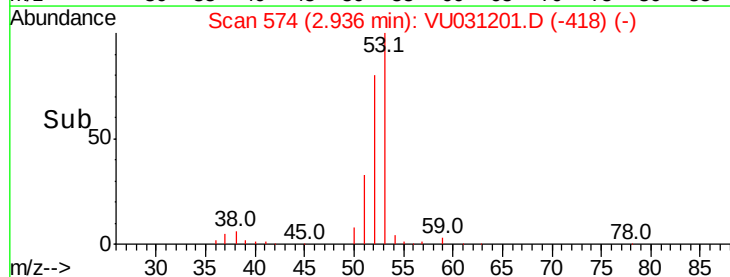
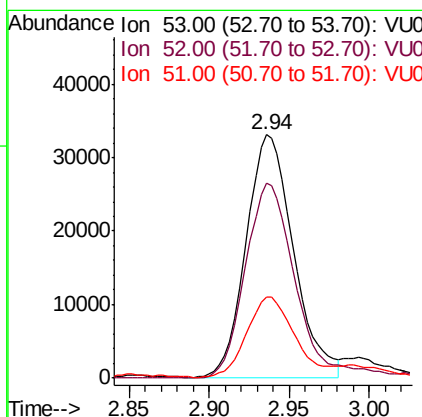
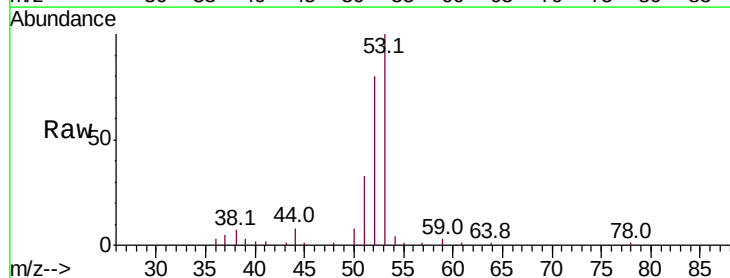
Manual Integrations
APPROVED

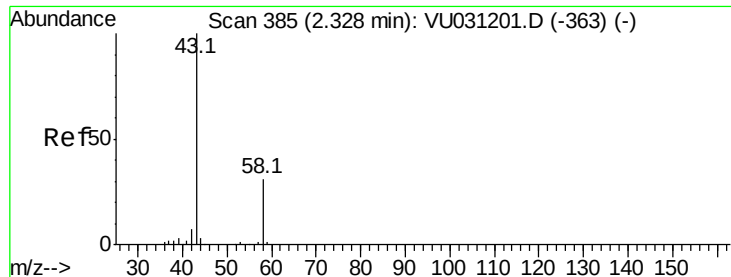
MMDadoda
5/6/2019 1:41:11 PM



#12
Acrylonitrile
Concen: 21.256 ug/l
RT: 2.94 min Scan# 574
Delta R.T. 0.00 min
Lab File: VU031201.D
Acq: 15 Apr 2019 22:20

Tgt Ion	Ratio	Lower	Upper
53	100		
52	84.8	67.8	101.8
51	33.6	26.9	40.3





#13

Acetone

Concen: 44.771 ug/l

RT: 2.33 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU031201.D

Acq: 15 Apr 2019 22:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 130717

Ion Ratio Lower Upper

43 100

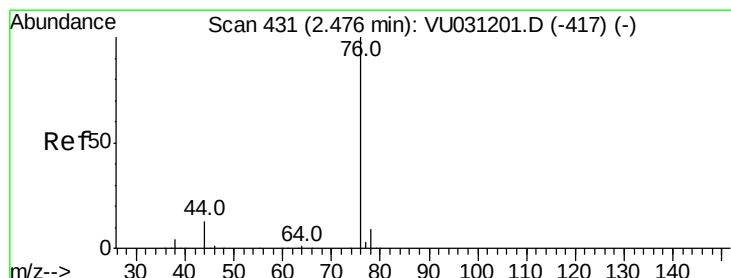
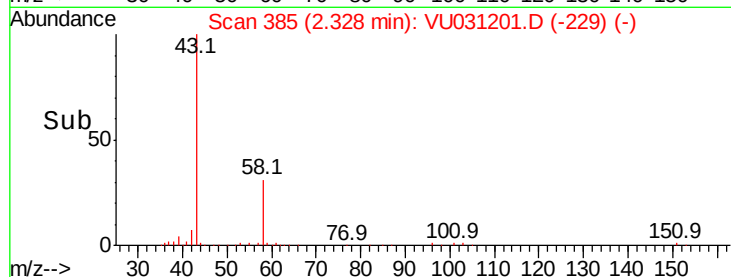
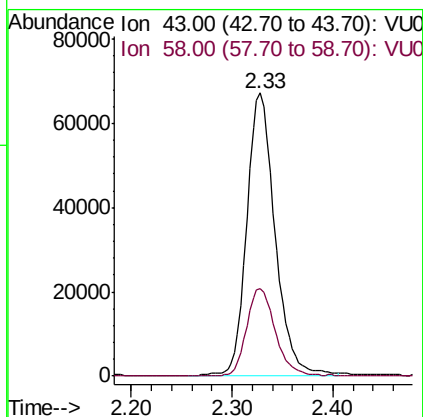
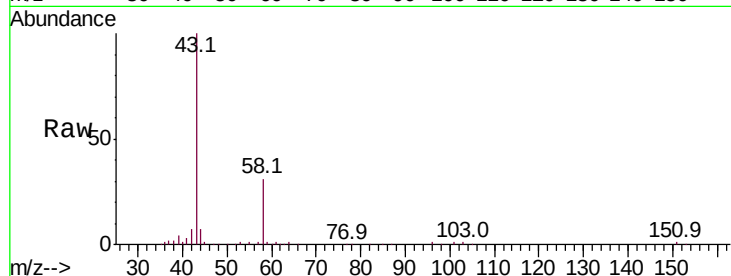
58 30.9 24.7 37.1

Manual Integrations

APPROVED

MMDadoda

5/6/2019 1:41:11 PM



#14

Carbon Disulfide

Concen: 11.533 ug/l

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU031201.D

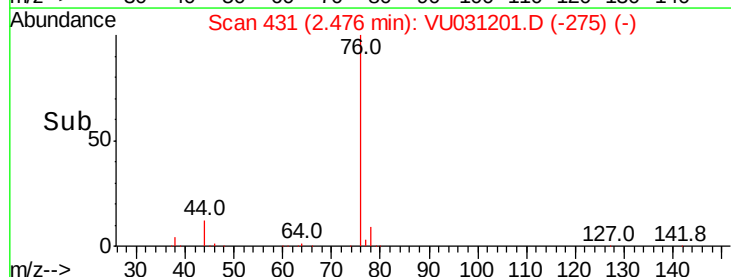
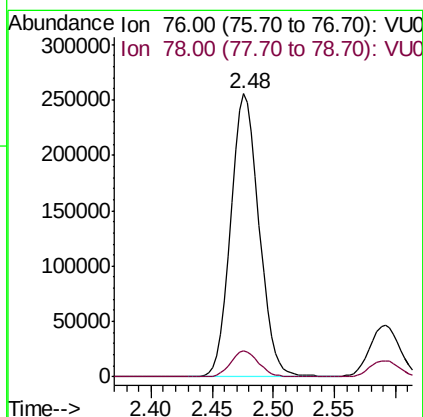
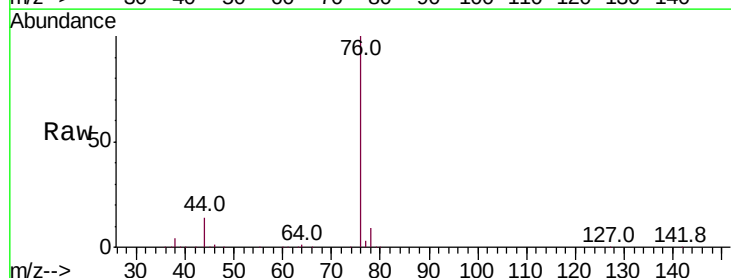
Acq: 15 Apr 2019 22:20

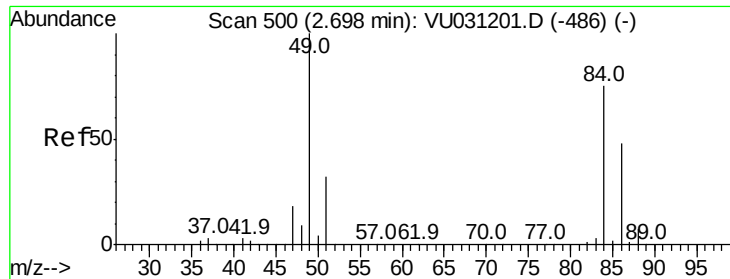
Tgt Ion: 76 Resp: 414765

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8





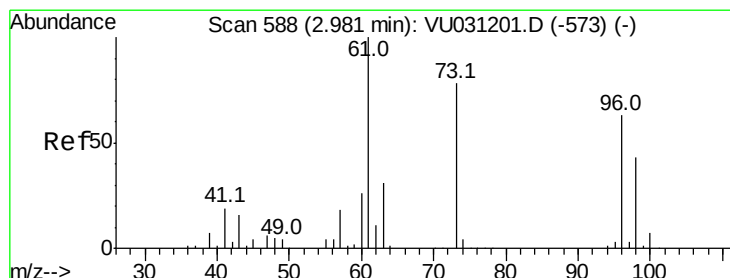
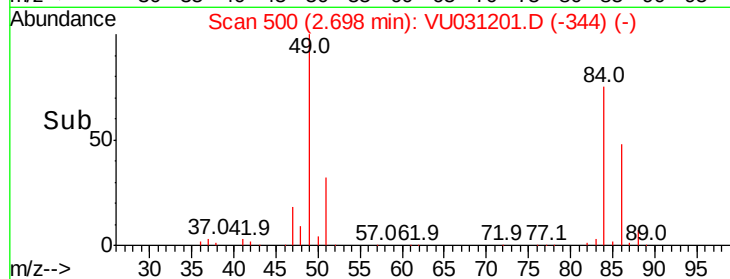
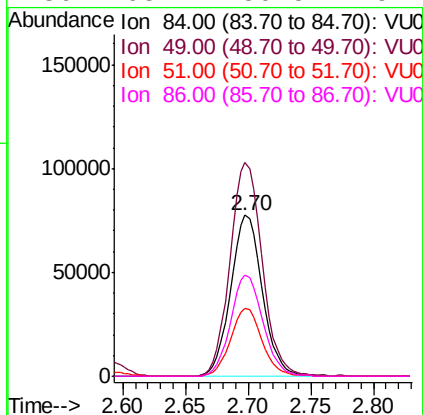
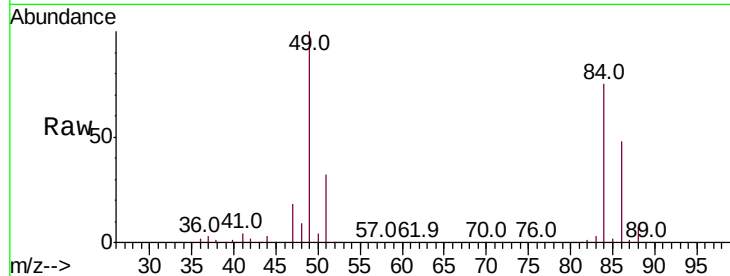
#15
Methylene Chloride
Concen: 10.172 ug/l
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU031201.D
Acq: 15 Apr 2019 22:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
84	100		
49	132.6	106.1	159.1
51	42.1	0.0	84.2
86	63.1	50.5	75.7

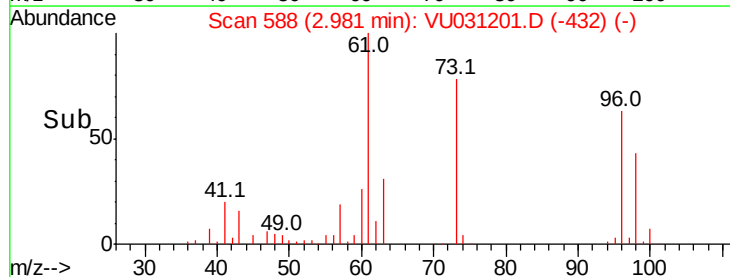
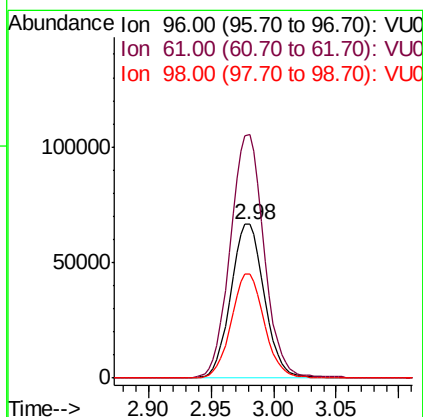
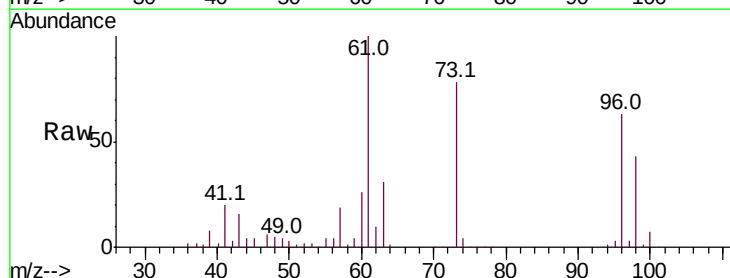
Manual Integrations
APPROVED

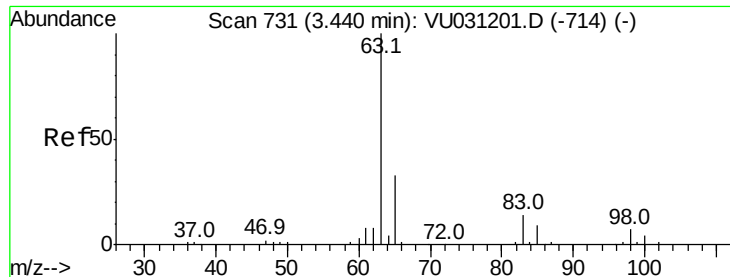
MMDadoda
5/6/2019 1:41:11 PM



#16
trans-1,2-Dichloroethene
Concen: 11.211 ug/l
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU031201.D
Acq: 15 Apr 2019 22:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.2	126.6	189.8
98	67.4	53.9	80.9





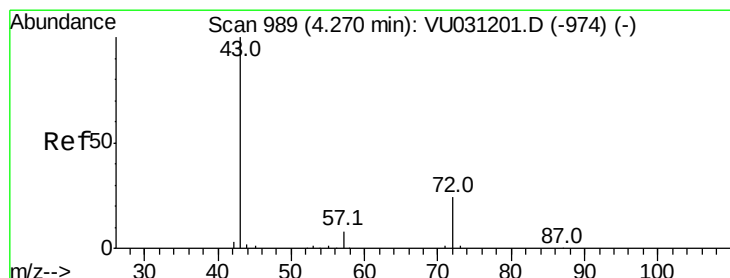
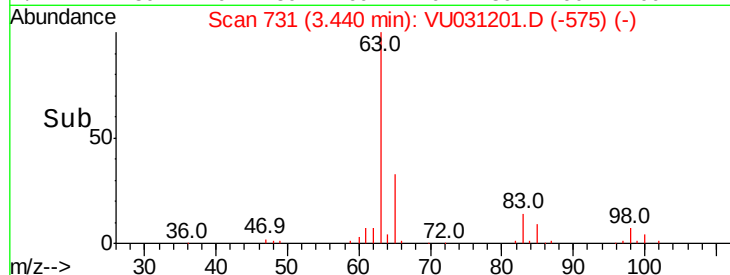
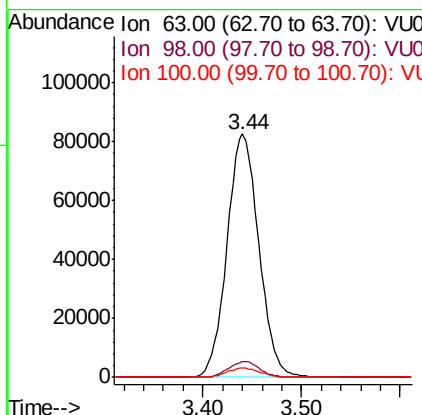
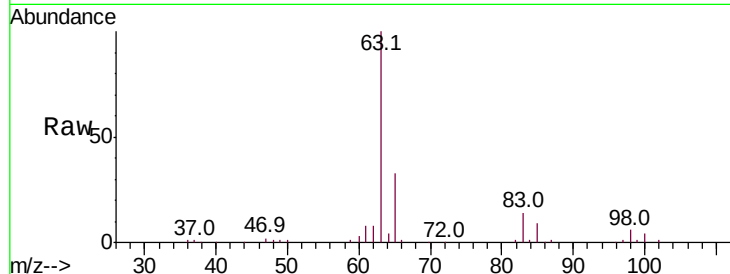
#17
 1,1-Dichloroethane
 Concen: 8.523 ug/l
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU031201.D
 Acq: 15 Apr 2019 22:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Resp	Lower	Upper
63	100	184722		
98	6.5		3.3	9.8
100	3.9		2.0	5.8

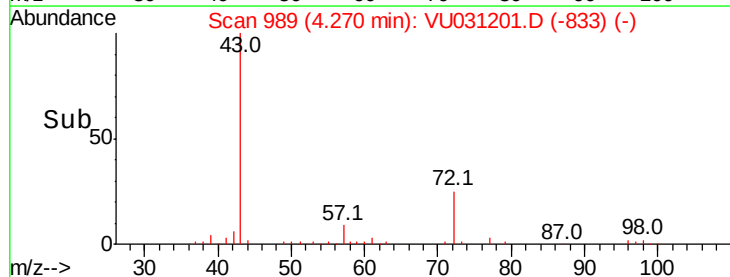
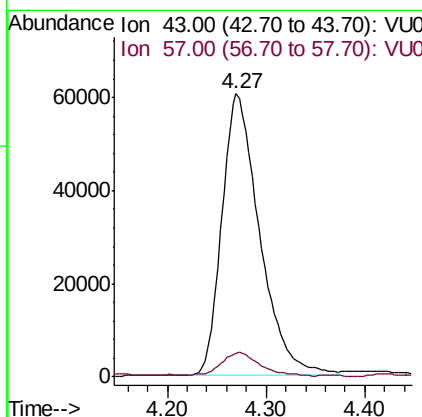
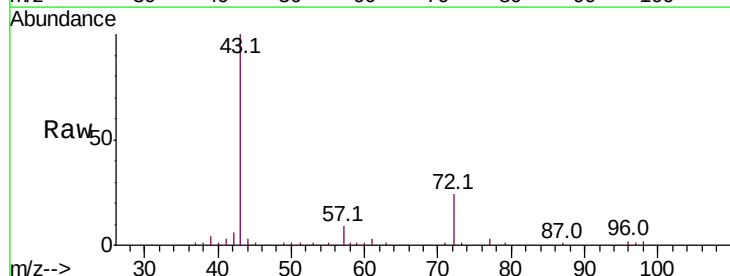
Manual Integrations
 APPROVED

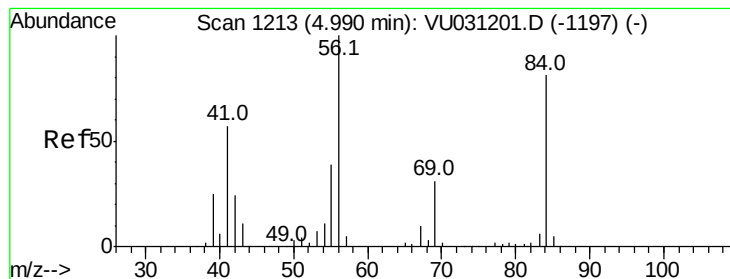
MMDadoda
 5/6/2019 1:41:11 PM



#18
 2-Butanone
 Concen: 43.187 ug/l
 RT: 4.27 min Scan# 989
 Delta R.T. 0.00 min
 Lab File: VU031201.D
 Acq: 15 Apr 2019 22:20

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	160707		
57	8.1		0.0	16.2





#19

Cyclohexane

Concen: 8.139 ug/l

RT: 4.99 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VU031201.D

Acq: 15 Apr 2019 22:20

Instrument :

MSVOA_U

ClientSampled :

VSTDICCC010

Tot Ion: 56 Resp: 142291

Ion Ratio Lower Upper

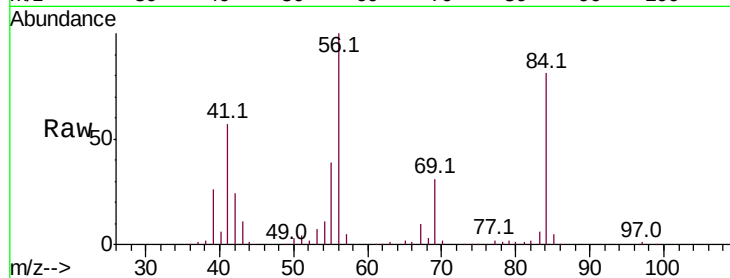
56 100

69 35.4 28.3 42.5

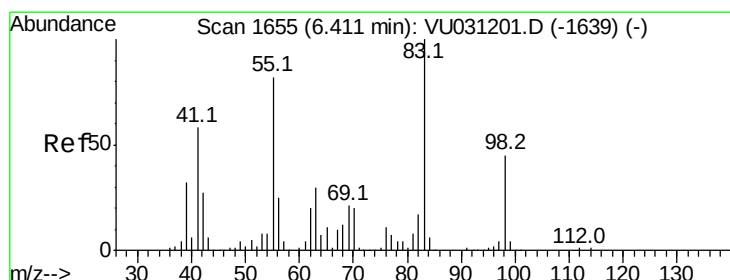
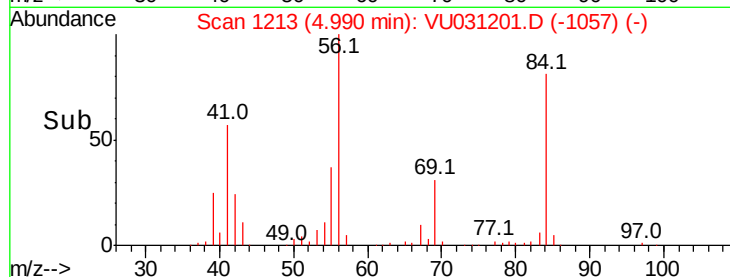
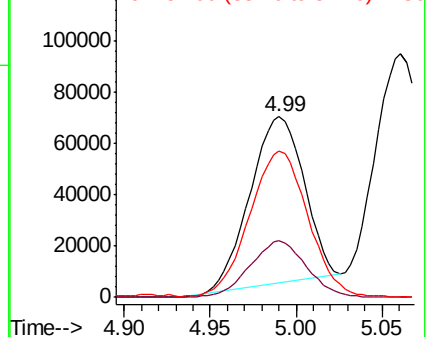
84 94.0 75.2 112.8

Manual Integrations
APPROVED

MMDadoda
5/6/2019 1:41:11 PM



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0



#20

Methylcyclohexane

Concen: 10.427 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU031201.D

Acq: 15 Apr 2019 22:20

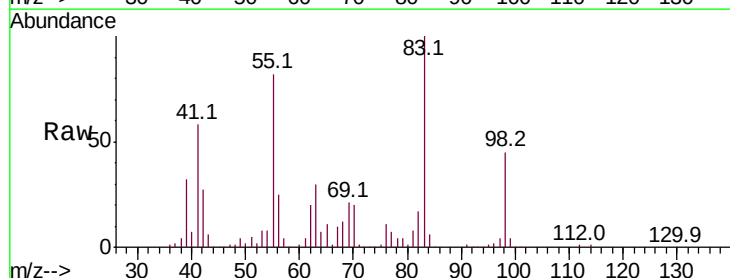
Tgt Ion: 83 Resp: 158179

Ion Ratio Lower Upper

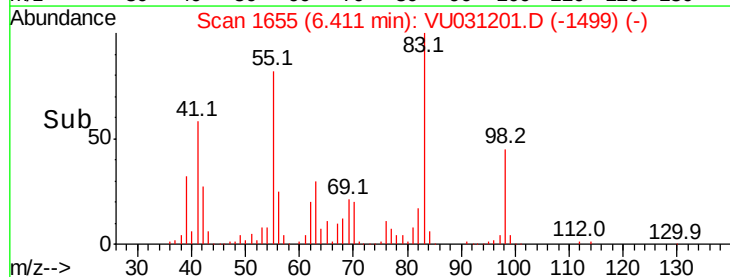
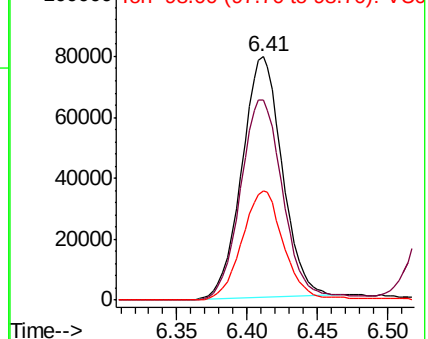
83 100

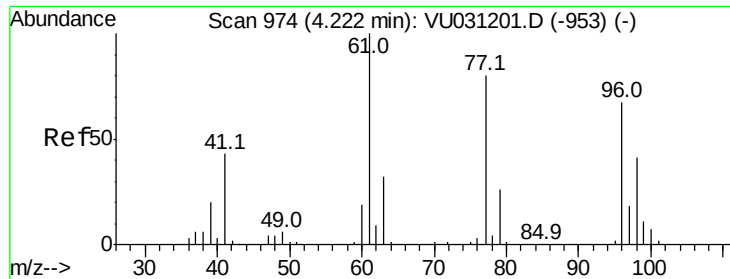
55 85.2 68.2 102.2

98 44.8 35.8 53.8



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0





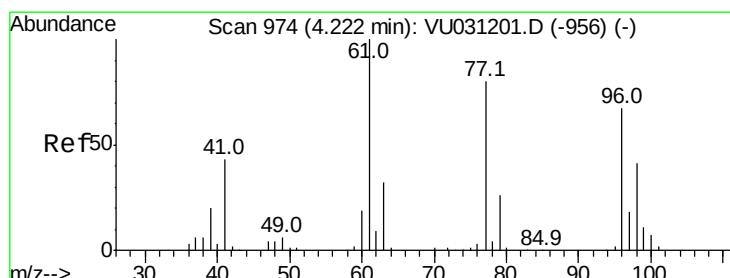
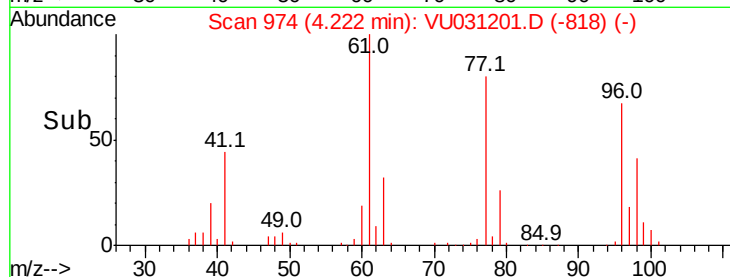
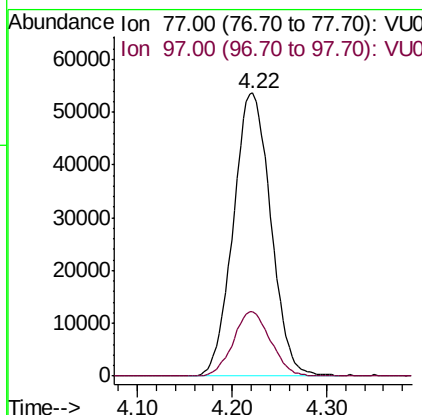
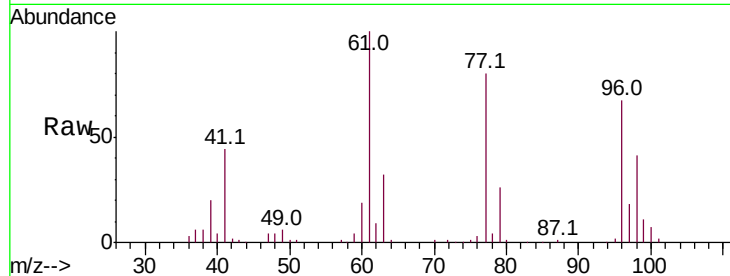
#21
 2,2-Dichloropropane
 Concen: 8.824 ug/l
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU031201.D
 Acq: 15 Apr 2019 22:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion: 77 Resp: 147744
 Ion Ratio Lower Upper
 77 100
 97 22.7 18.2 27.2

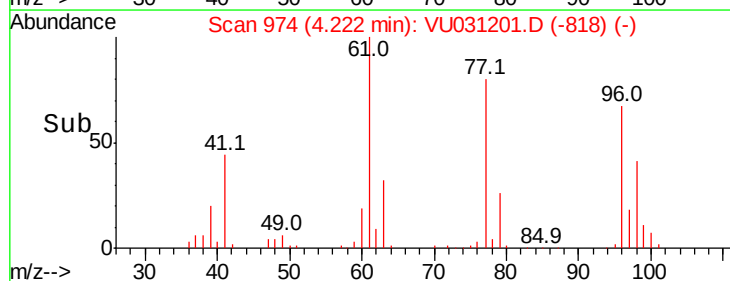
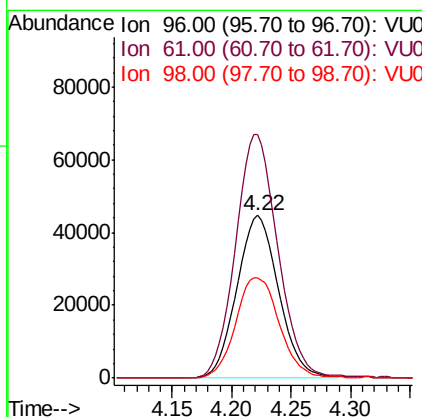
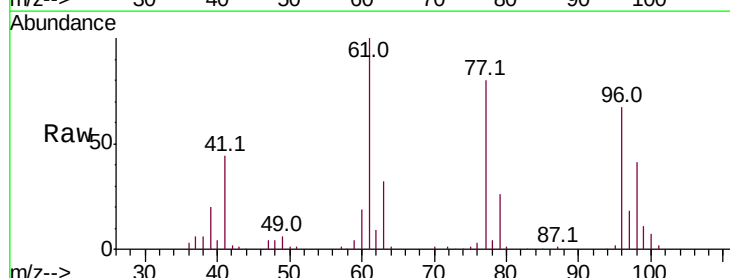
Manual Integrations
 APPROVED

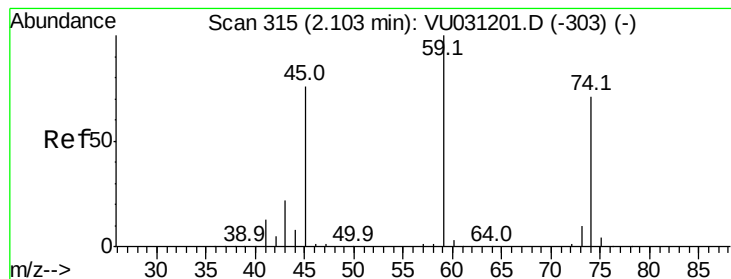
MMDadoda
 5/6/2019 1:41:11 PM



#22
 cis-1,2-Dichloroethene
 Concen: 9.718 ug/l
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU031201.D
 Acq: 15 Apr 2019 22:20

Tgt Ion: 96 Resp: 108649
 Ion Ratio Lower Upper
 96 100
 61 152.0 0.0 380.0
 98 64.6 32.3 96.9





#23

Diethyl Ether

Concen: 10.870 ug/l

RT: 2.10 min Scan# 315

Delta R.T. 0.00 min

Lab File: VU031201.D

Acq: 15 Apr 2019 22:20

Instrument :

MSVOA_U

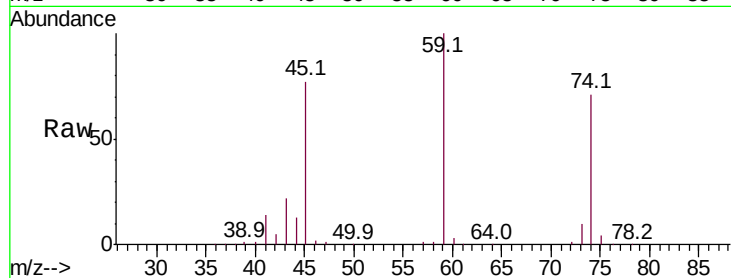
ClientSampleId :

VSTDICCC010

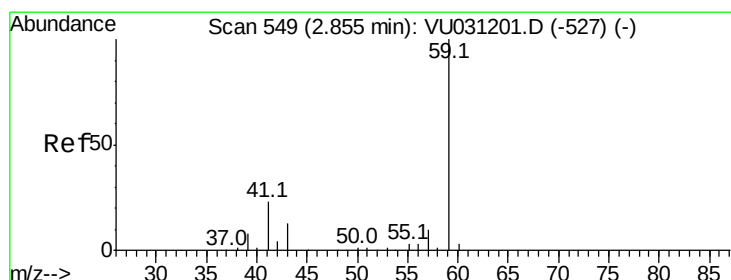
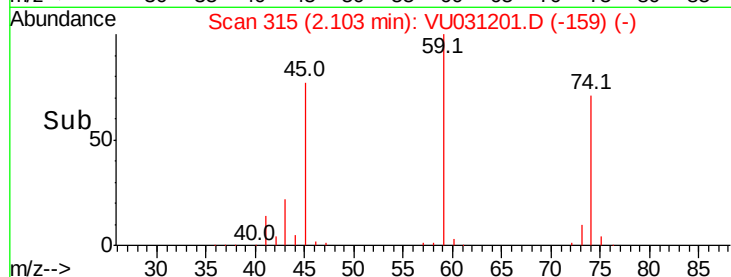
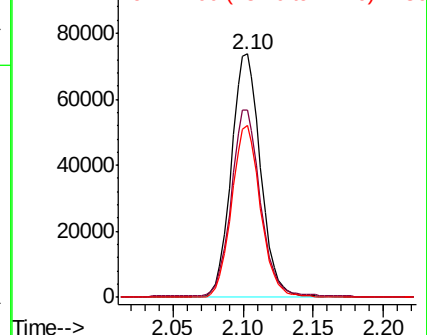
Tot Ion:	59	Resp:	107085
Ion	Ratio	Lower	Upper
59	100		
45	77.2	61.8	92.6
74	69.8	55.8	83.8

Manual Integrations
APPROVED

MMDadoda
5/6/2019 1:41:11 PM



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



#24

tert-Butyl Alcohol

Concen: 100.370 ug/l

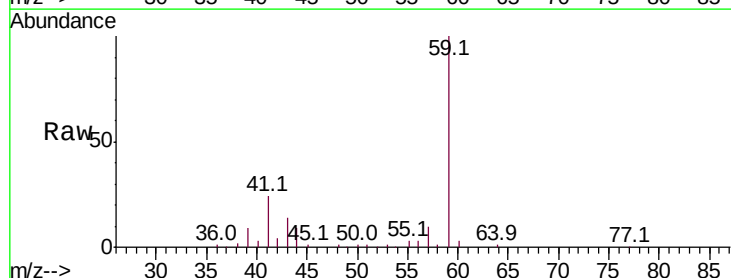
RT: 2.86 min Scan# 549

Delta R.T. 0.00 min

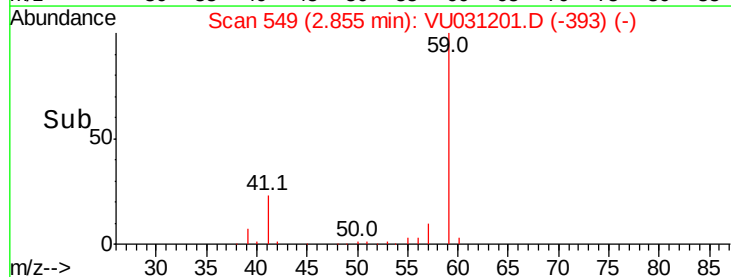
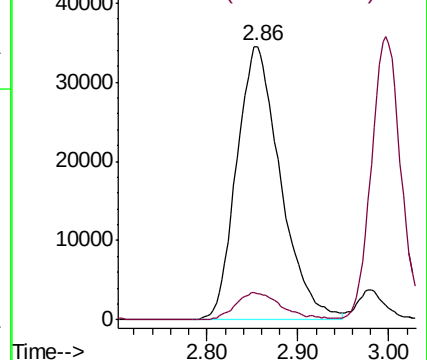
Lab File: VU031201.D

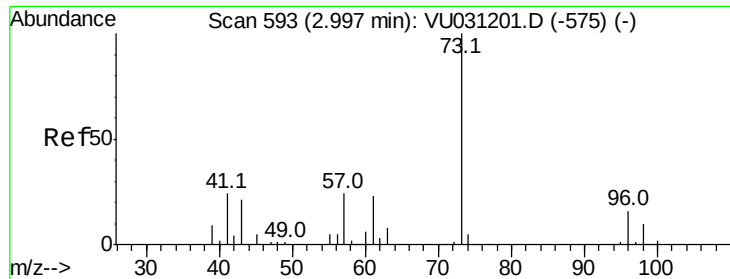
Acq: 15 Apr 2019 22:20

Tgt Ion:	59	Resp:	115503
Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.4	12.6



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





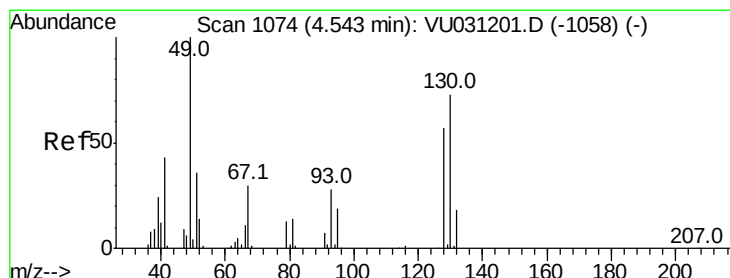
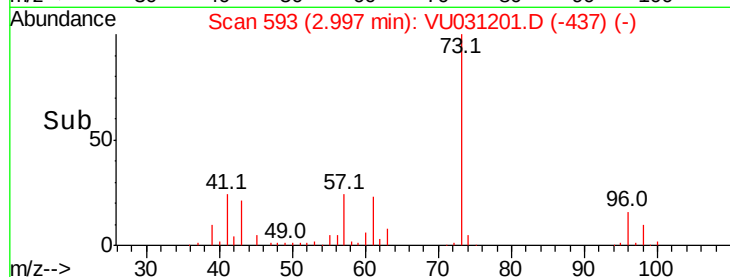
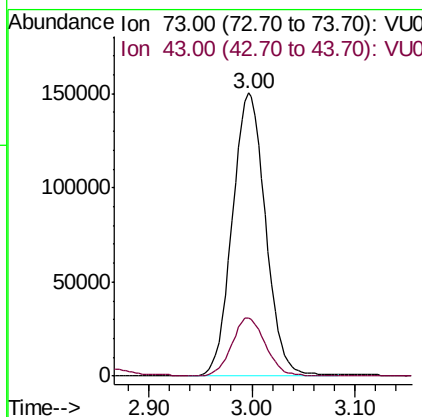
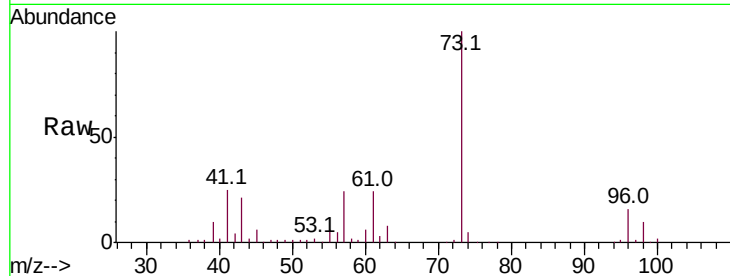
#25
Methyl tert-Butyl Ether
Concen: 11.037 ug/l
RT: 3.00 min Scan# 593
Delta R.T. 0.00 min
Lab File: VU031201.D
Acq: 15 Apr 2019 22:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
73	100		
43	20.3	16.2	24.4

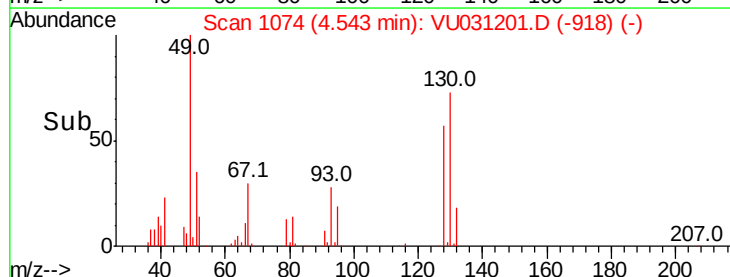
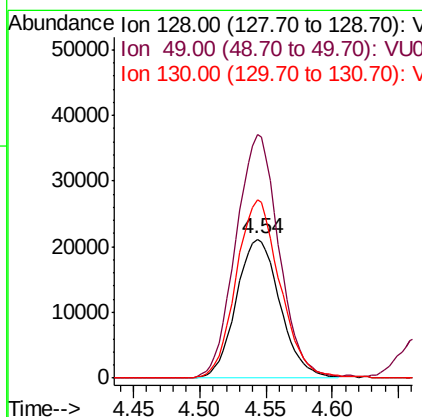
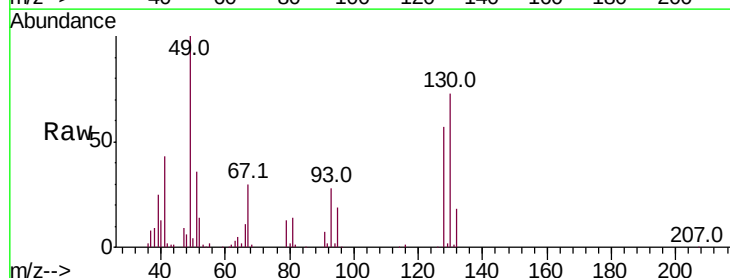
Manual Integrations
APPROVED

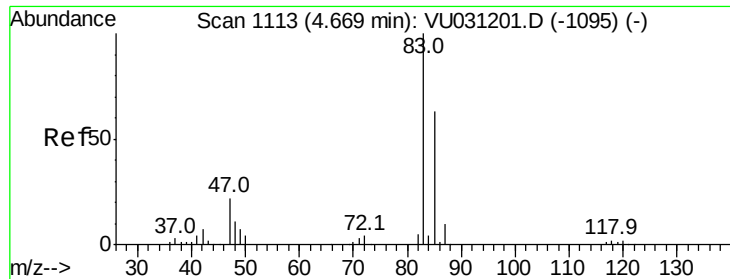
MMDadoda
5/6/2019 1:41:11 PM



#26
Bromochloromethane
Concen: 10.045 ug/l
RT: 4.54 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VU031201.D
Acq: 15 Apr 2019 22:20

Tgt Ion	Ratio	Lower	Upper
128	100		
49	172.9	0.0	345.8
130	129.3	103.4	155.2





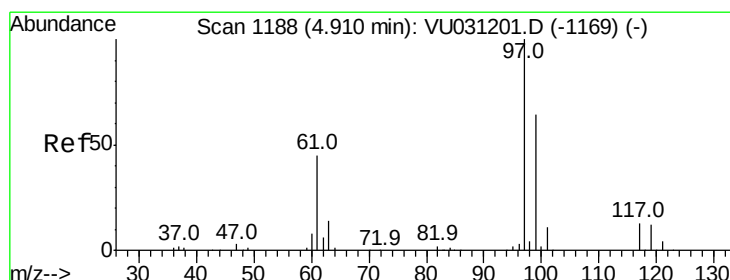
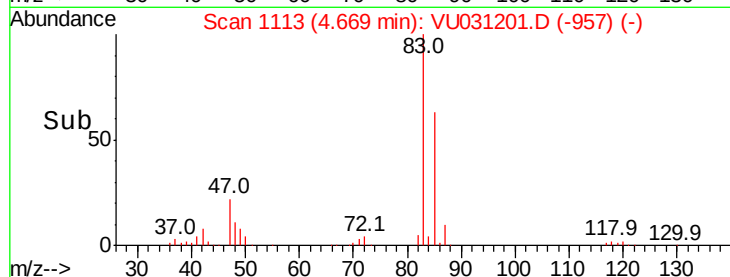
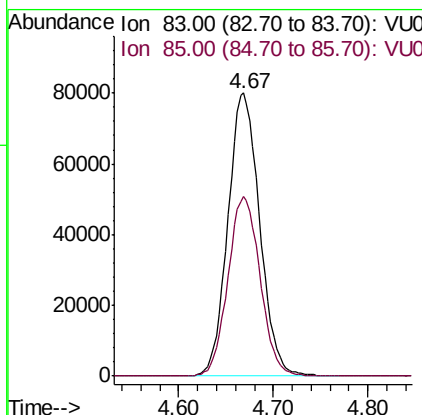
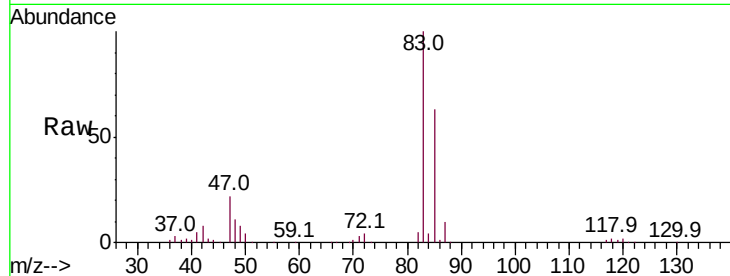
#27
Chloroform
Concen: 9.109 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU031201.D
Acq: 15 Apr 2019 22:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	83	85	Ratio	100	63.3	Resp	186986	Lower	0.0	Upper	126.6
Ion	83	85	Ratio	100	63.3	Resp	186986	Lower	0.0	Upper	126.6

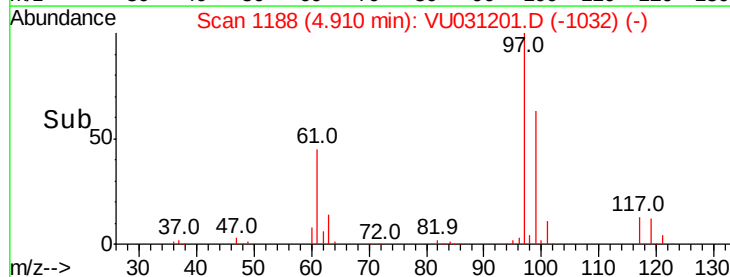
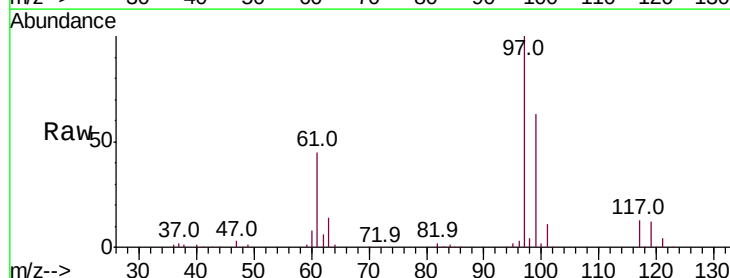
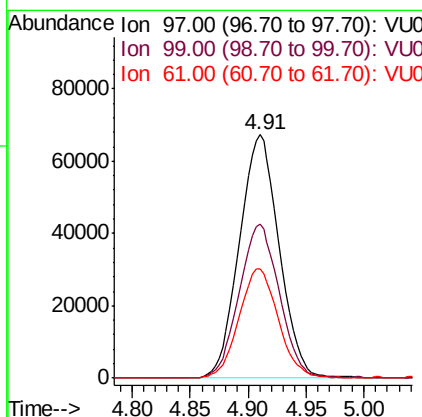
Manual Integrations
APPROVED

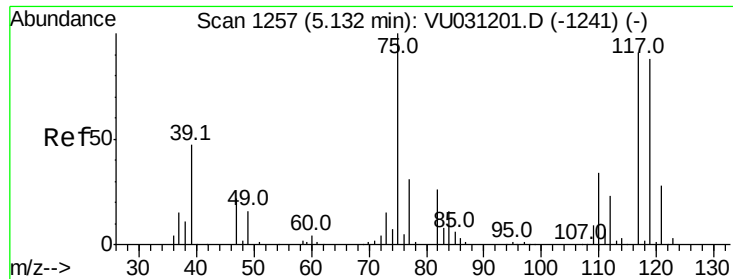
MMDadoda
5/6/2019 1:41:11 PM



#28
1,1,1-Trichloroethane
Concen: 9.492 ug/l
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU031201.D
Acq: 15 Apr 2019 22:20

Tgt Ion	97	99	61	Ratio	100	64.0	44.4	Resp	160420	Lower	32.0	22.2	Upper	96.0	66.6
Ion	97	99	61	Ratio	100	64.0	44.4	Resp	160420	Lower	32.0	22.2	Upper	96.0	66.6





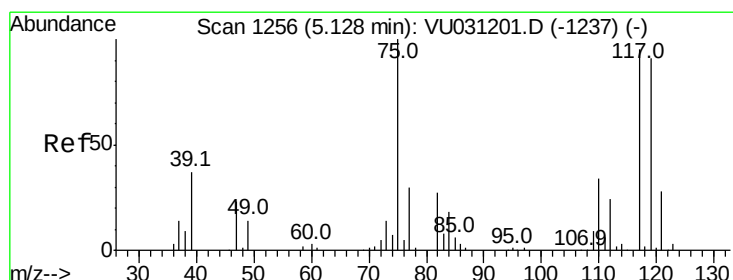
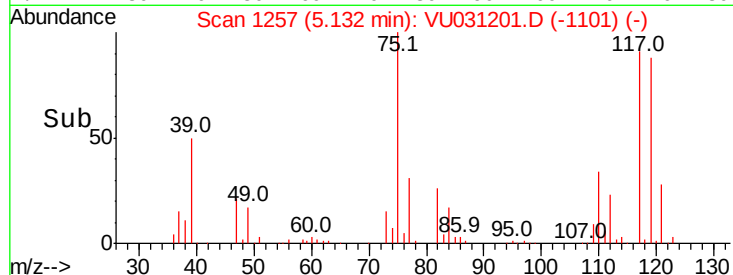
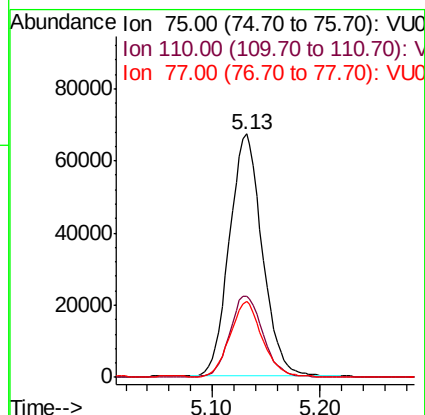
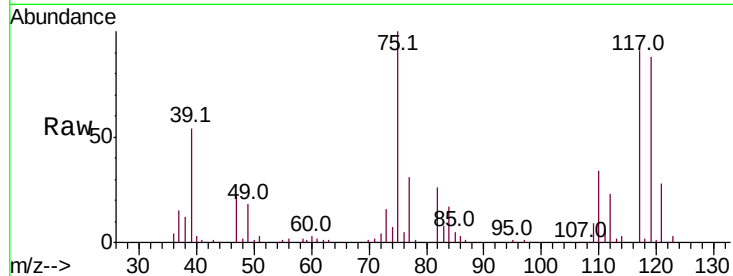
#29
 1,1-Dichloropropene
 Concen: 9.643 ug/l
 RT: 5.13 min Scan# 1257
 Delta R.T. 0.00 min
 Lab File: VU031201.D
 Acq: 15 Apr 2019 22:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
75	100		
110	34.3	17.2	51.5
77	31.1	24.9	37.3

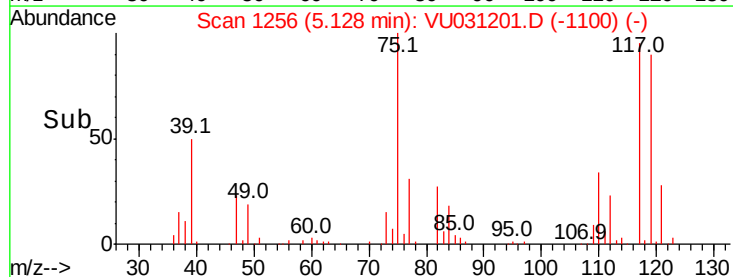
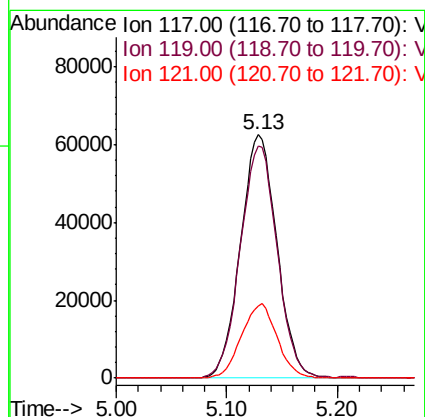
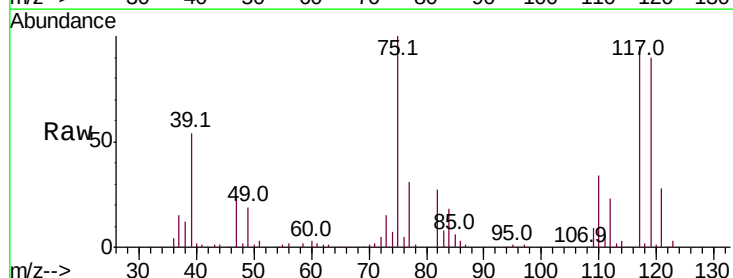
Manual Integrations
 APPROVED

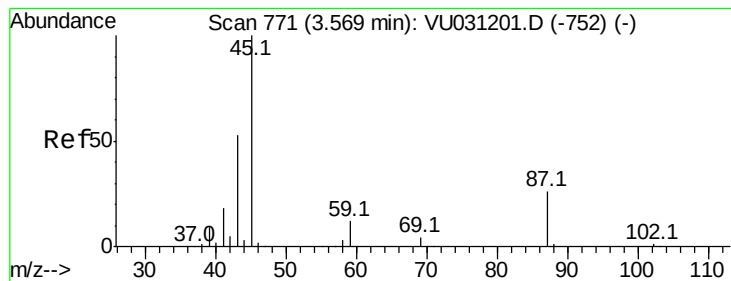
MMDadoda
 5/6/2019 1:41:11 PM



#30
 Carbon Tetrachloride
 Concen: 9.699 ug/l
 RT: 5.13 min Scan# 1256
 Delta R.T. 0.00 min
 Lab File: VU031201.D
 Acq: 15 Apr 2019 22:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	76.2	114.4
121	29.8	23.8	35.8





#31

Isopropyl Ether

Concen: 7.924 ug/l

RT: 3.57 min Scan# 771

Delta R.T. 0.00 min

Lab File: VU031201.D

Acq: 15 Apr 2019 22:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 45 Resp: 279015

Ion Ratio Lower Upper

45 100

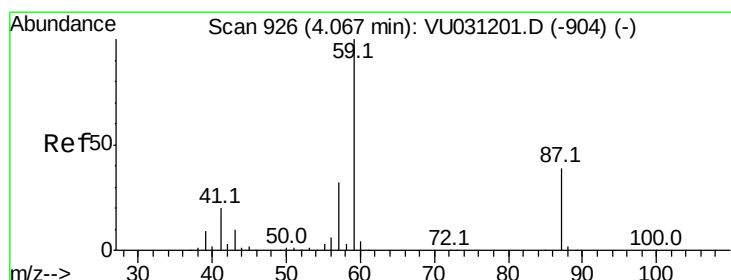
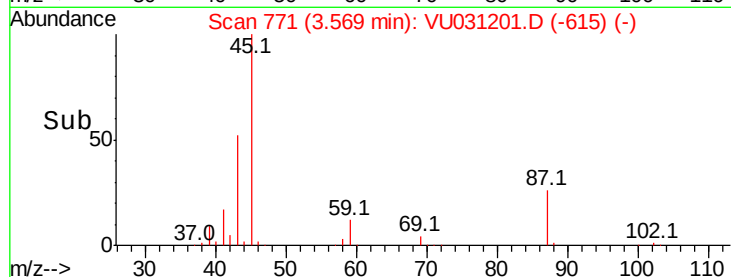
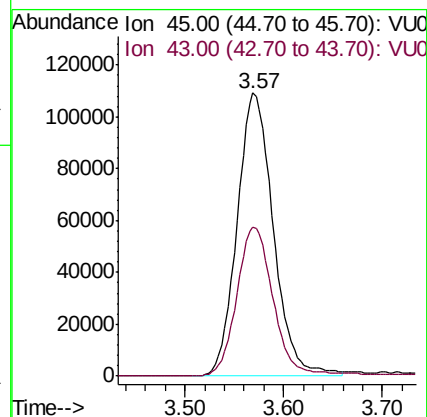
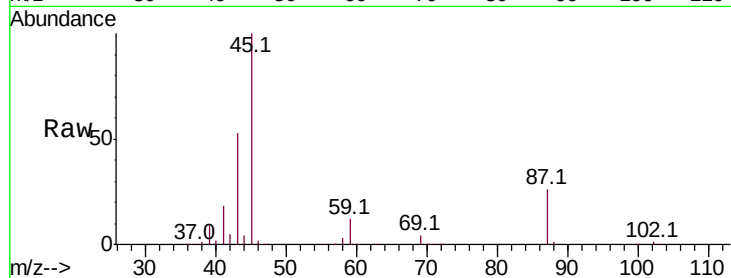
43 52.8 26.4 79.2

Manual Integrations

APPROVED

MMDadoda

5/6/2019 1:41:11 PM



#32

Ethyl-t-butyl ether

Concen: 8.722 ug/l

RT: 4.07 min Scan# 926

Delta R.T. 0.00 min

Lab File: VU031201.D

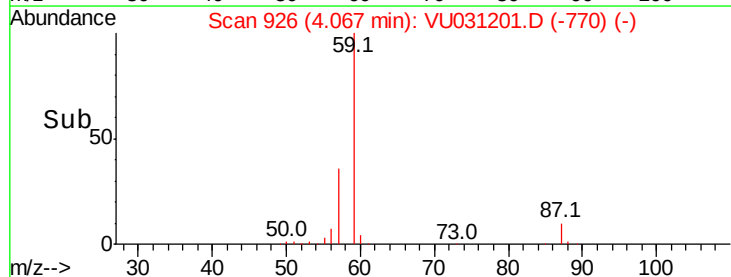
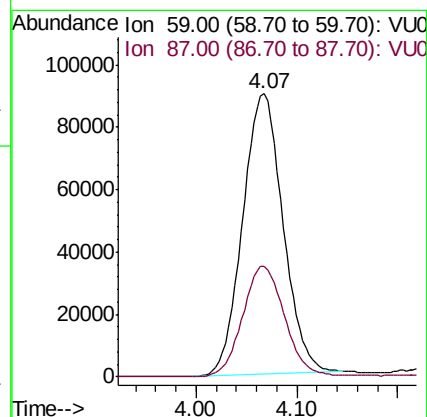
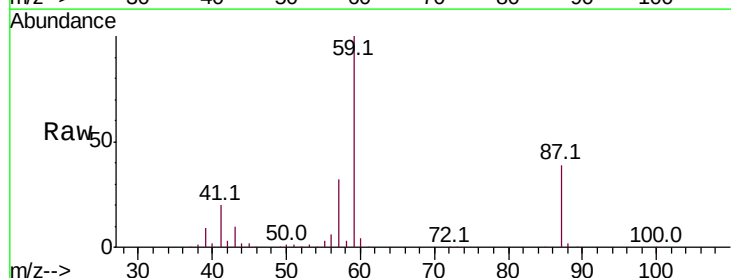
Acq: 15 Apr 2019 22:20

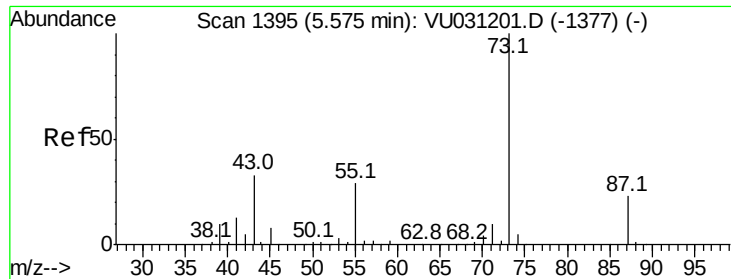
Tgt Ion: 59 Resp: 249545

Ion Ratio Lower Upper

59 100

87 40.2 32.2 48.2





#33

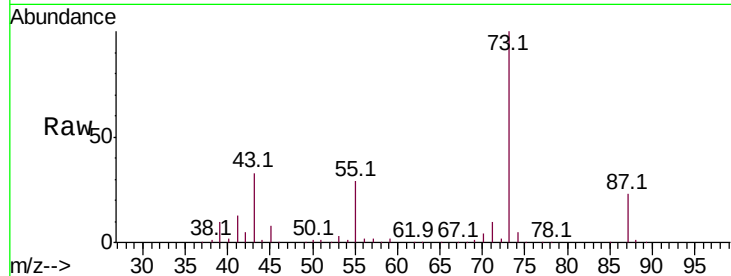
Tert-Butyl methyl ether
 Concen: 10.240 ug/l
 RT: 5.58 min Scan# 1395
 Delta R.T. 0.00 min
 Lab File: VU031201.D
 Acq: 15 Apr 2019 22:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
73	100		
87	23.0	18.4	27.6
71	11.0	8.8	13.2

Manual Integrations
 APPROVED

MMDadoda
 5/6/2019 1:41:11 PM

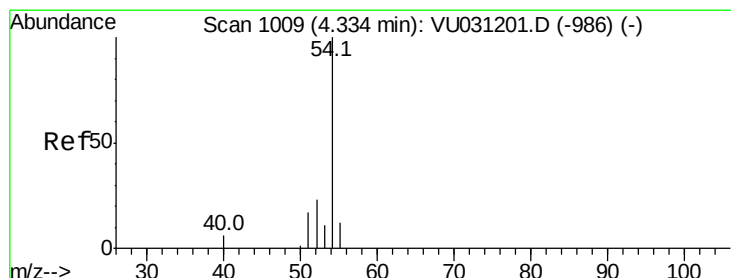
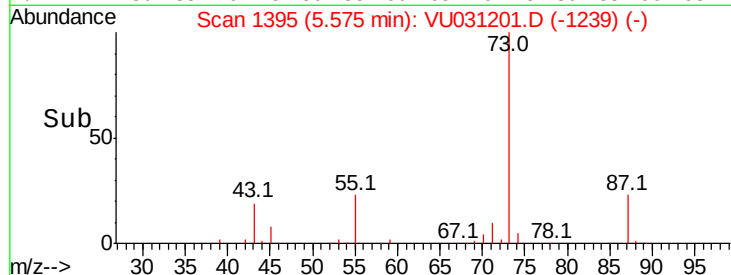
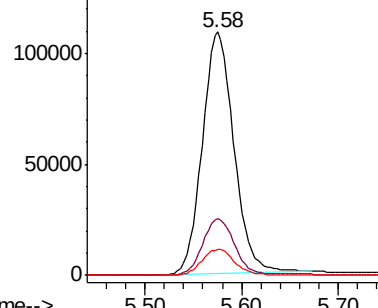


Abundance

Ion 73.00 (72.70 to 73.70): VU031201.D (-1377) (-)

Ion 87.00 (86.70 to 87.70): VU031201.D (-1377) (-)

Ion 71.00 (70.70 to 71.70): VU031201.D (-1377) (-)



#34

Propionitrile
 Concen: 48.388 ug/l
 RT: 4.33 min Scan# 1009
 Delta R.T. 0.00 min
 Lab File: VU031201.D
 Acq: 15 Apr 2019 22:20

Tgt Ion	Ratio	Lower	Upper
54	100		
52	19.9	15.9	23.9
55	11.1	8.9	13.3
40	5.1	4.1	6.1

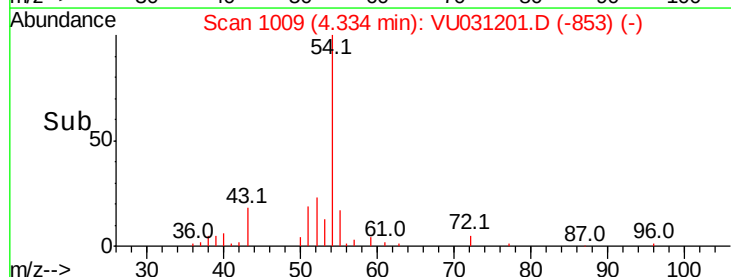
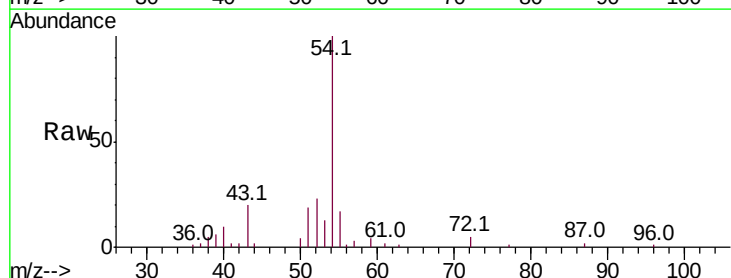
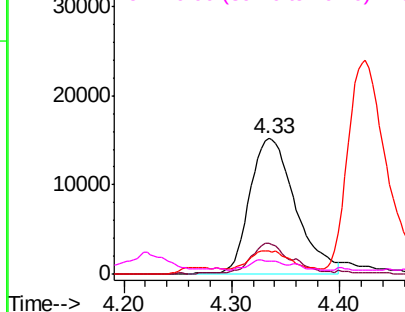
Abundance

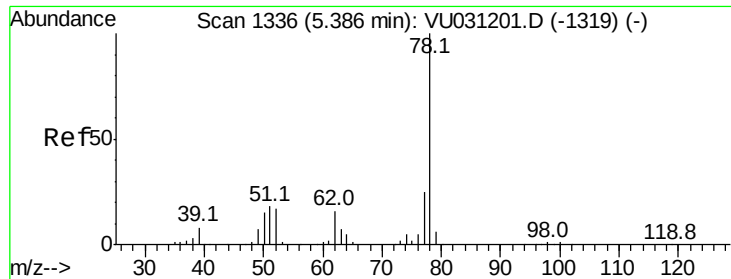
Ion 54.00 (53.70 to 54.70): VU031201.D (-986) (-)

Ion 52.00 (51.70 to 52.70): VU031201.D (-986) (-)

Ion 55.00 (54.70 to 55.70): VU031201.D (-986) (-)

Ion 40.00 (39.70 to 40.70): VU031201.D (-986) (-)





#35

Benzene

Concen: 9.976 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU031201.D

Acq: 15 Apr 2019 22:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 78 Resp: 438381

Ion Ratio Lower Upper

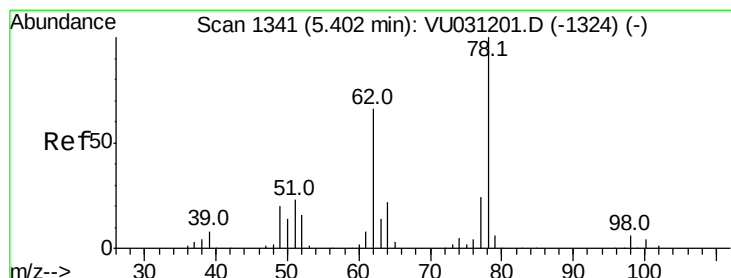
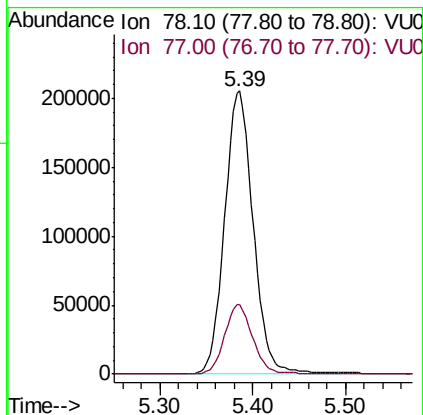
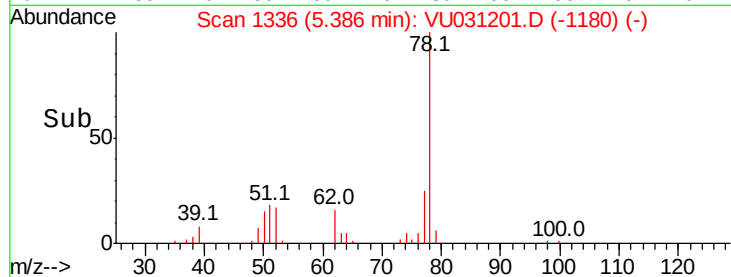
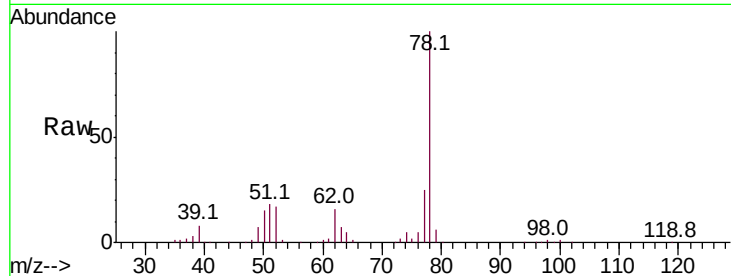
78 100

77 24.5 19.6 29.4

Manual Integrations
APPROVED

MMDadoda

5/6/2019 1:41:11 PM



#36

1,2-Dichloroethane

Concen: 9.638 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VU031201.D

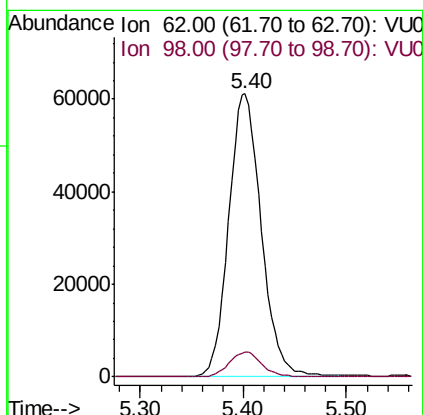
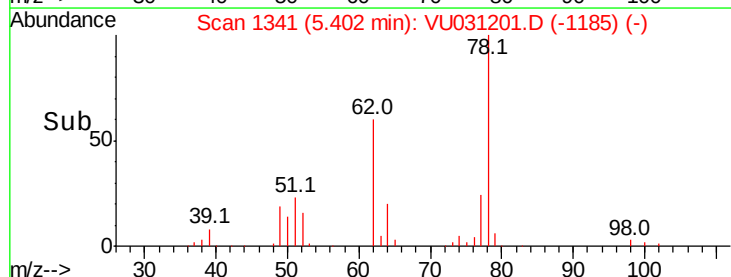
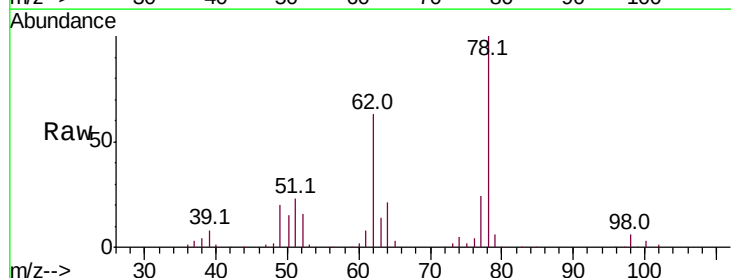
Acq: 15 Apr 2019 22:20

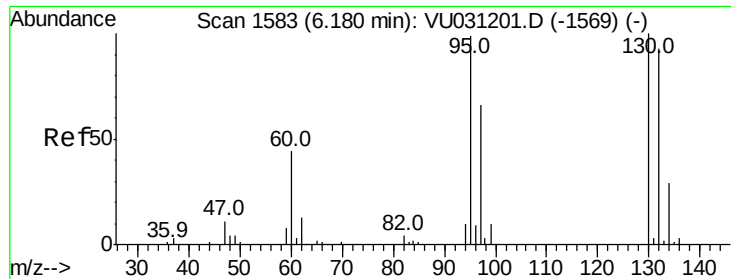
Tgt Ion: 62 Resp: 134719

Ion Ratio Lower Upper

62 100

98 8.8 7.0 10.6





#37

Trichloroethene

Concen: 10.622 ug/l

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU031201.D

Acq: 15 Apr 2019 22:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion:130 Resp: 113601

Ion Ratio Lower Upper

130 100

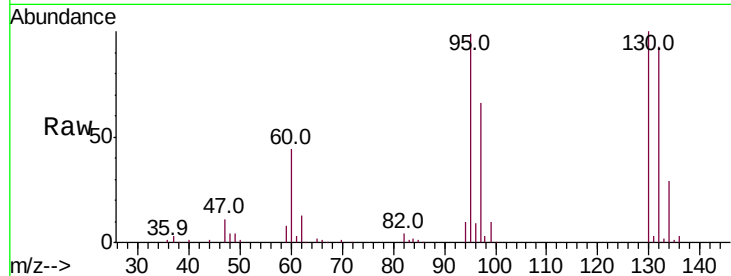
95 99.1 79.3 118.9

Manual Integrations

APPROVED

MMDadoda

5/6/2019 1:41:11 PM



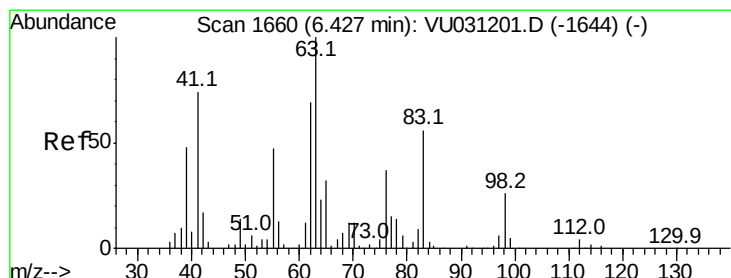
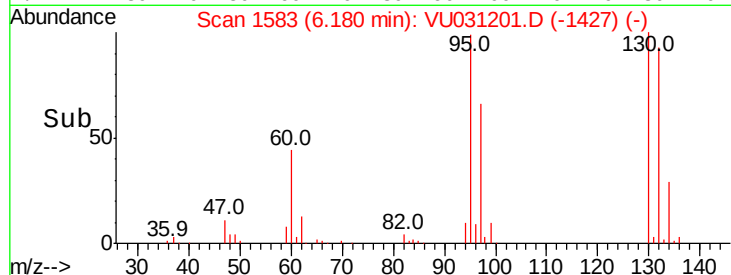
Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VU0

6.18

6.10 6.15 6.20 6.25

Time-->



#38

1,2-Dichloropropane

Concen: 9.342 ug/l

RT: 6.43 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VU031201.D

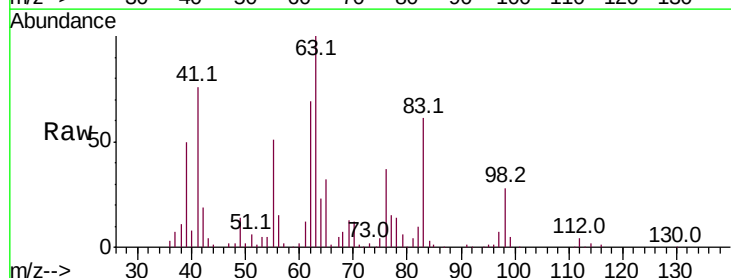
Acq: 15 Apr 2019 22:20

Tgt Ion: 63 Resp: 117079

Ion Ratio Lower Upper

63 100

65 31.9 25.5 38.3



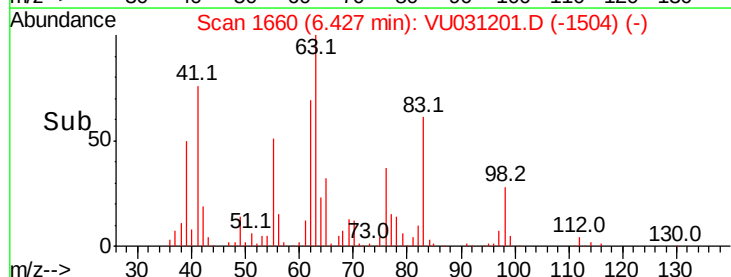
Abundance Ion 63.00 (62.70 to 63.70): VU0

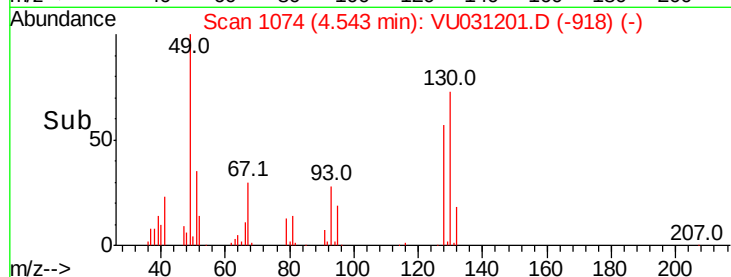
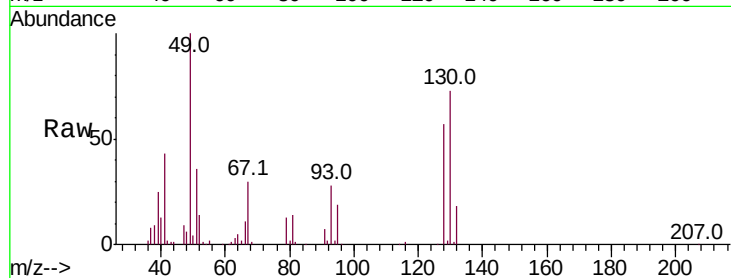
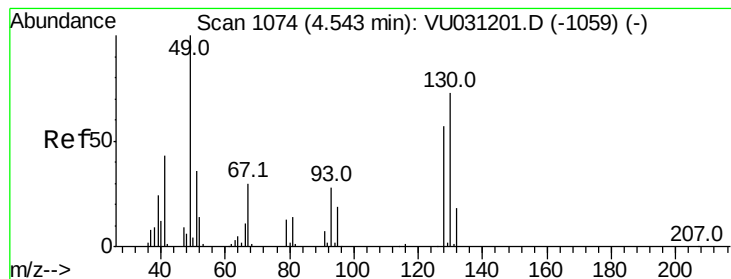
Ion 65.00 (64.70 to 65.70): VU0

6.43

6.40 6.50

Time-->





#39

Methacrylonitrile

Concen: 8.697 ug/l

RT: 4.54 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VU031201.D

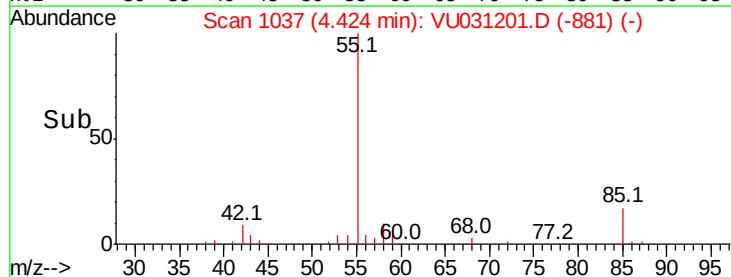
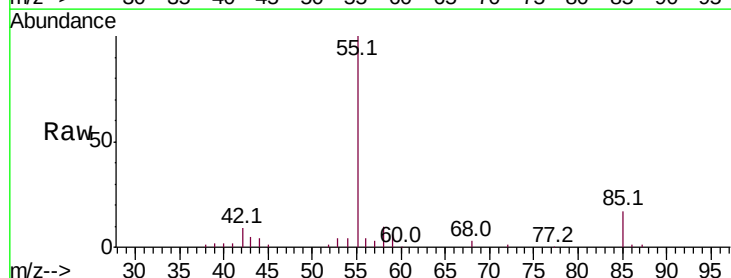
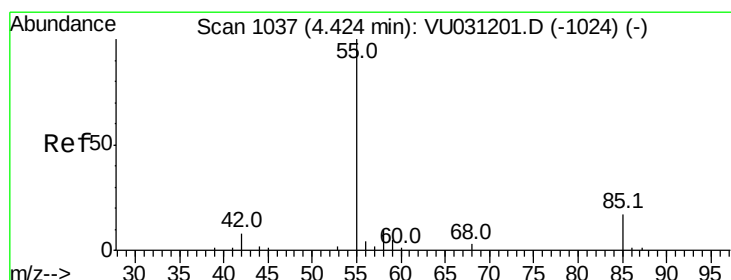
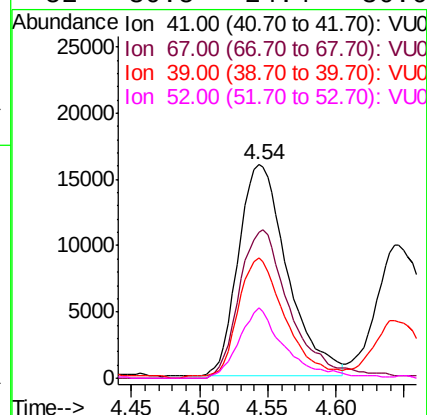
Acq: 15 Apr 2019 22:20

Tot Ion	41	Resp	39777
Ion	Ratio	Lower	Upper
41	100		
67	74.6	59.7	89.5
39	52.7	42.2	63.2
52	30.5	24.4	36.6

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

MMDadoda
5/6/2019 1:41:11 PM



#40

Methyl acrylate

Concen: 10.583 ug/l

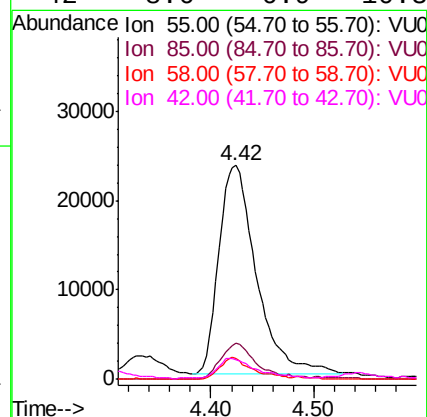
RT: 4.42 min Scan# 1037

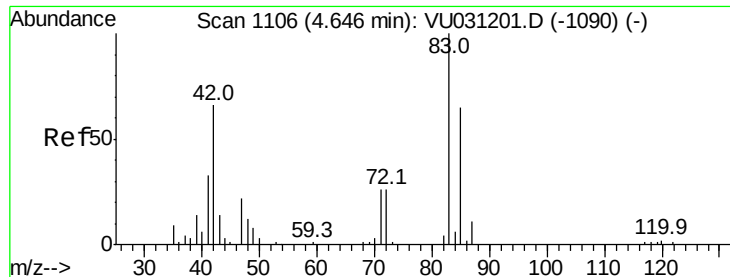
Delta R.T. 0.00 min

Lab File: VU031201.D

Acq: 15 Apr 2019 22:20

Tgt Ion	55	Resp	59484
Ion	Ratio	Lower	Upper
55	100		
85	15.2	12.2	18.2
58	8.8	7.0	10.6
42	8.6	6.9	10.3





#41

Tetrahydrofuran

Concen: 16.650 ug/l

RT: 4.65 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VU031201.D

Acq: 15 Apr 2019 22:20

Instrument :

MSVOA_U

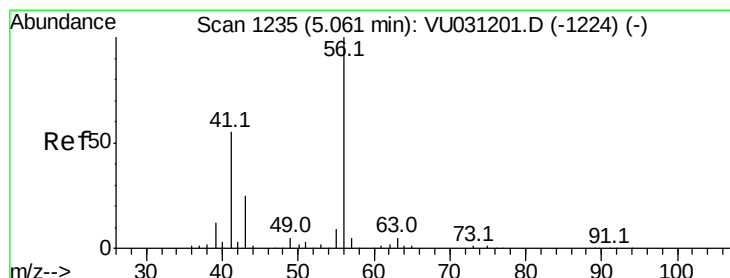
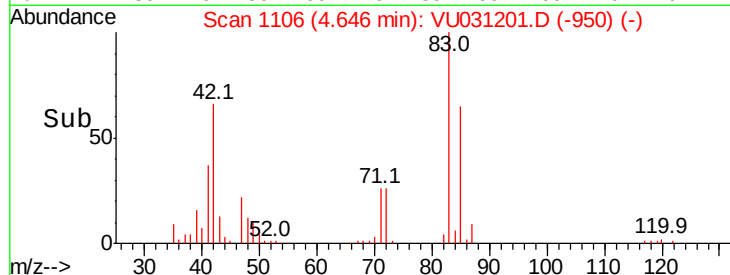
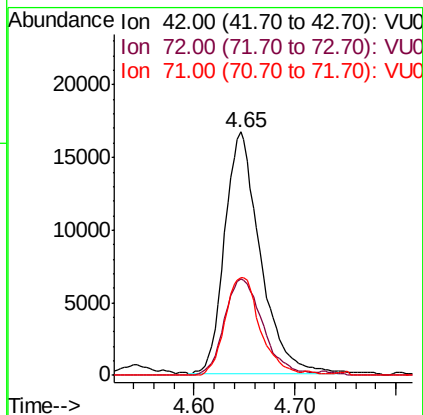
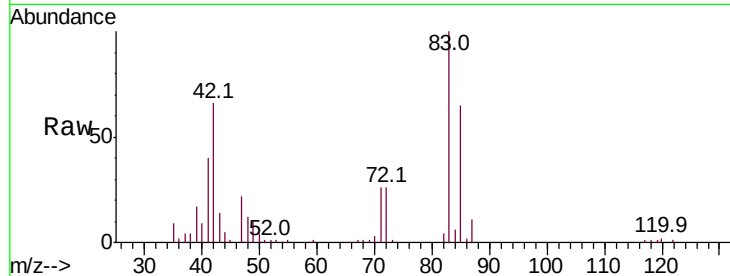
ClientSampleId :

VSTDICCC010

Tot Ion:	42	Resp:	40983
Ion	Ratio	Lower	Upper
42	100		
72	43.0	34.4	51.6
71	40.0	32.0	48.0

Manual Integrations
APPROVED

MMDadoda
5/6/2019 1:41:11 PM



#42

1-Chlorobutane

Concen: 9.324 ug/l

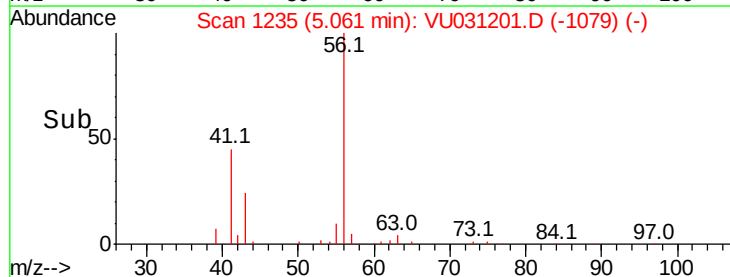
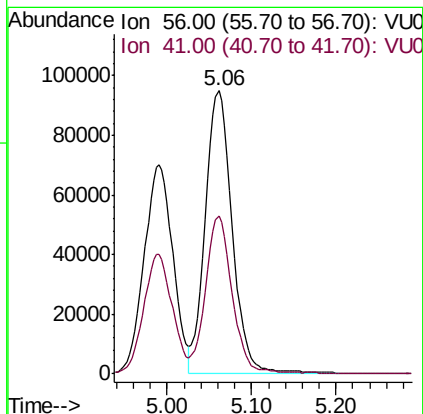
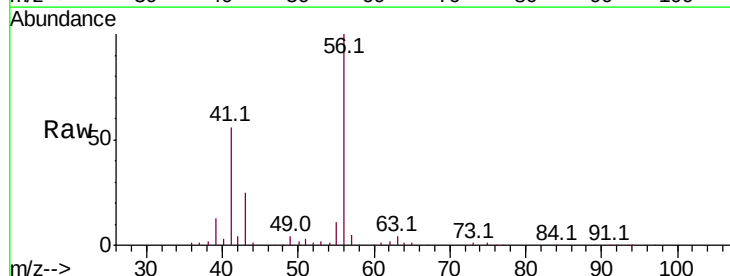
RT: 5.06 min Scan# 1235

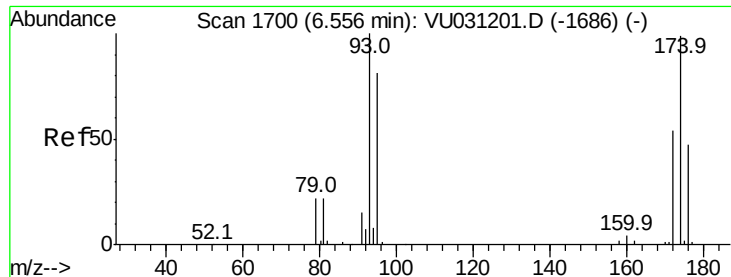
Delta R.T. 0.00 min

Lab File: VU031201.D

Acq: 15 Apr 2019 22:20

Tgt Ion:	56	Resp:	209653
Ion	Ratio	Lower	Upper
56	100		
41	54.6	27.3	81.9





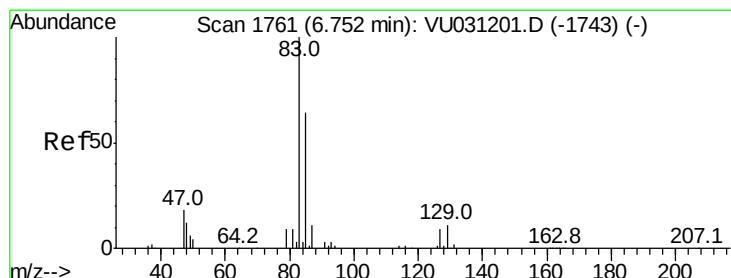
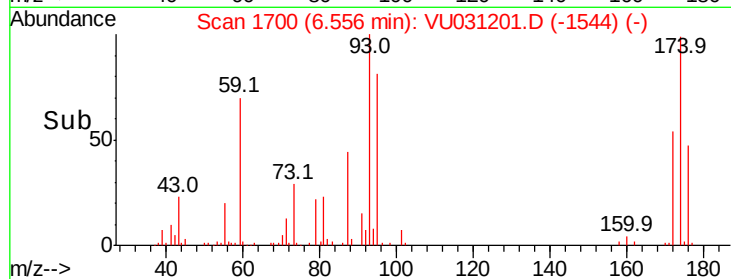
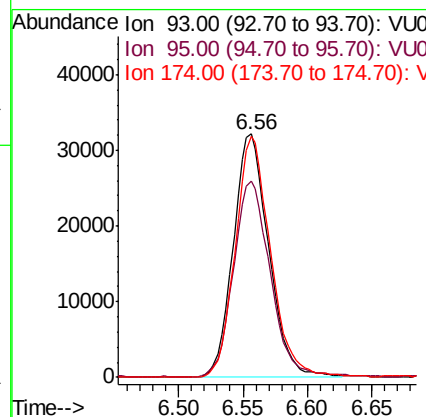
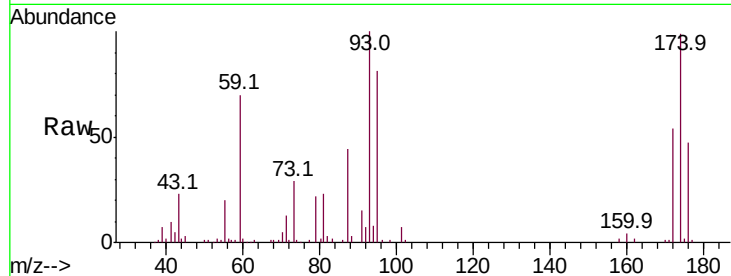
#43
 Dibromomethane
 Concen: 10.442 ug/l
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VU031201.D
 Acq: 15 Apr 2019 22:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
93	100		
95	84.2	67.4	101.0
174	98.9	79.1	118.7

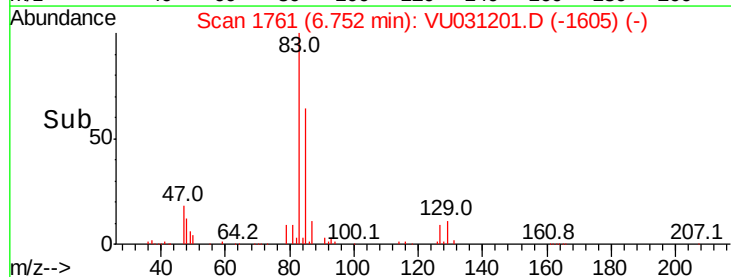
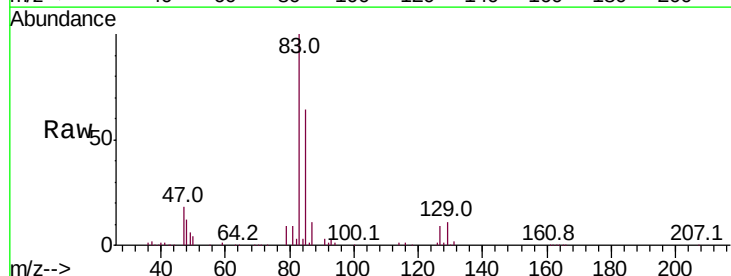
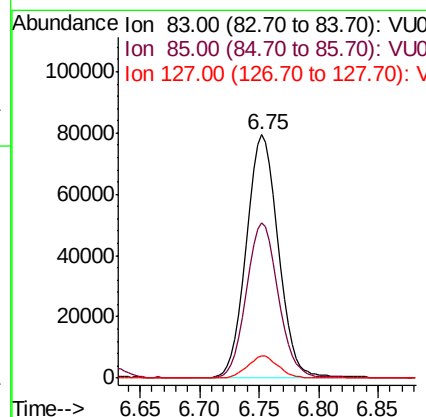
Manual Integrations
 APPROVED

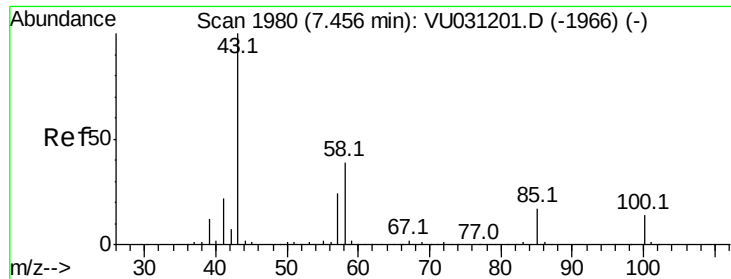
MMDadoda
 5/6/2019 1:41:11 PM



#44
 Bromodichloromethane
 Concen: 9.683 ug/l
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU031201.D
 Acq: 15 Apr 2019 22:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.0	76.6
127	9.2	7.4	11.0





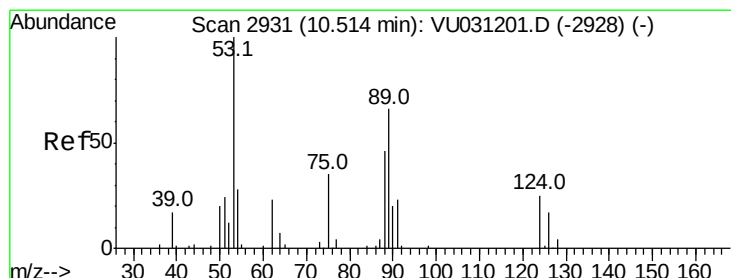
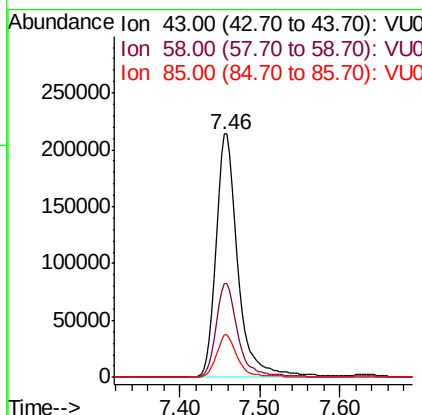
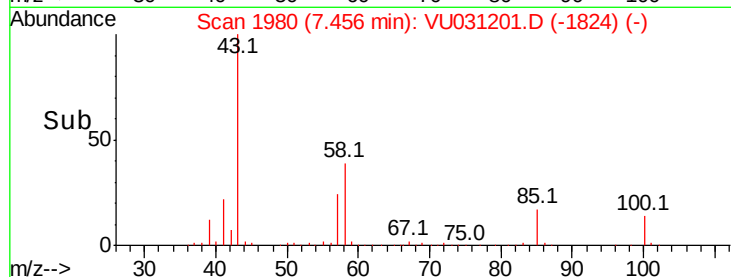
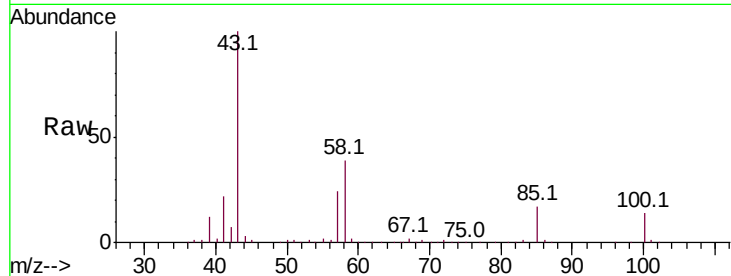
#45
4-Methyl-2-Pentanone
Concen: 48.986 ug/l
RT: 7.46 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VU031201.D
Acq: 15 Apr 2019 22:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.8	19.4	58.2
85	16.5	13.2	19.8

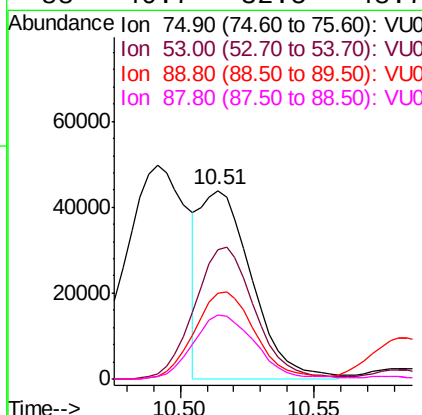
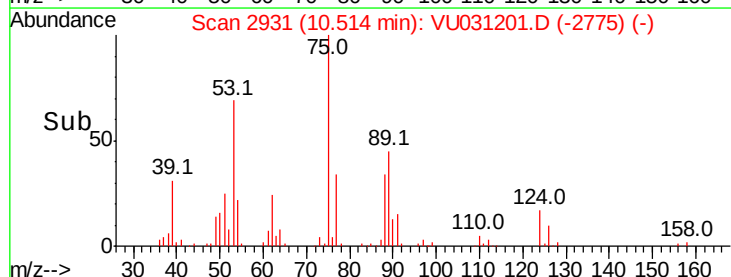
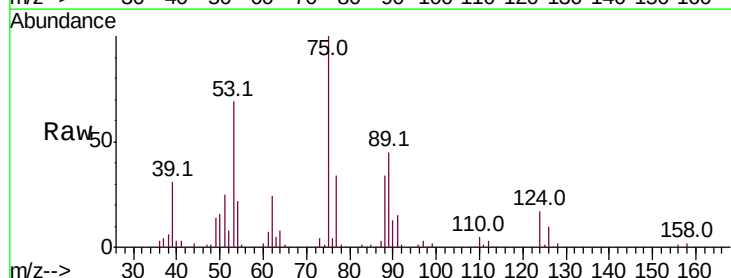
Manual Integrations
APPROVED

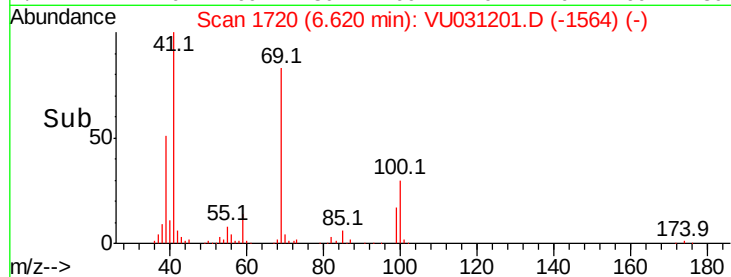
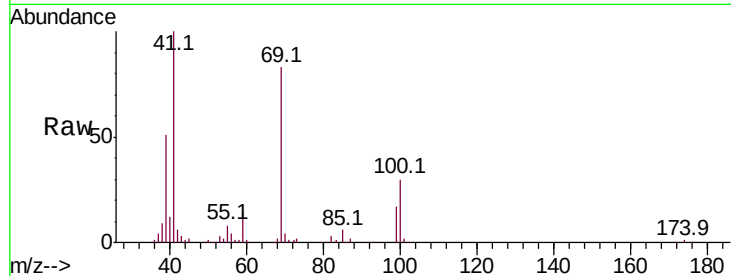
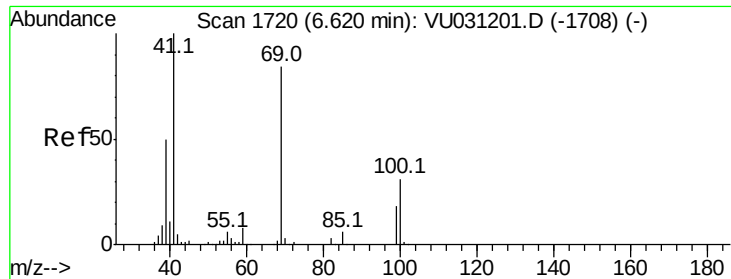
MMDadoda
5/6/2019 1:41:11 PM



#46
t-1,4-Dichloro-2-butene
Concen: 20.607 ug/l m
RT: 10.51 min Scan# 2931
Delta R.T. 0.00 min
Lab File: VU031201.D
Acq: 15 Apr 2019 22:20

Tgt Ion	Ratio	Lower	Upper
75	100		
53	81.7	65.2	97.8
89	53.9	43.0	64.4
88	40.7	32.5	48.7





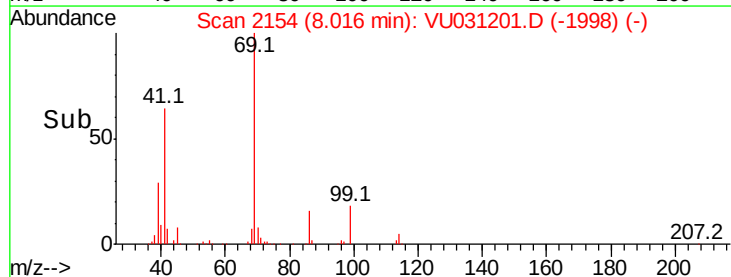
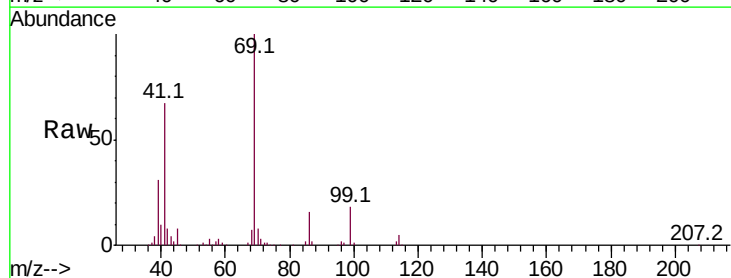
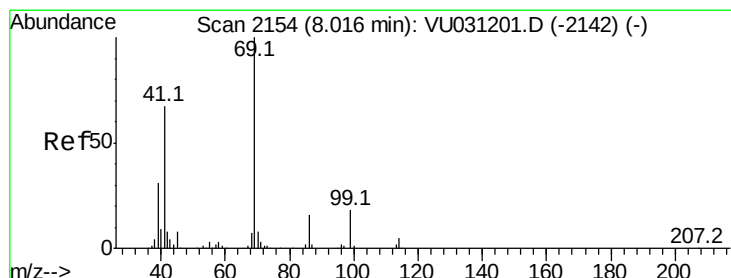
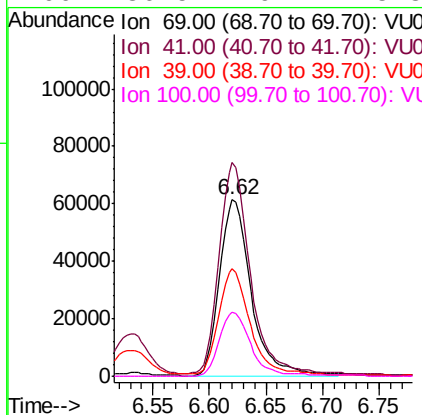
#47
Methyl methacrylate
Concen: 22.312 ug/l
RT: 6.62 min Scan# 1720
Delta R.T. 0.00 min
Lab File: VU031201.D
Acq: 15 Apr 2019 22:20

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	118.6	0.0	237.2		
39	59.3	47.4	71.2		
100	36.5	29.2	43.8		

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

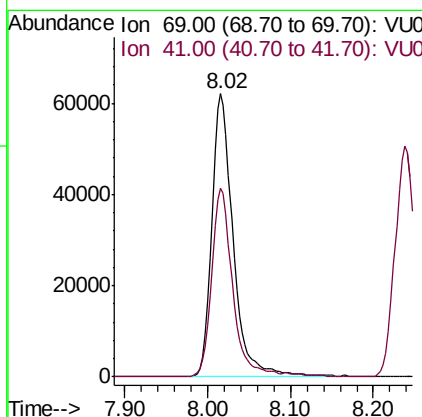
Manual Integrations
APPROVED

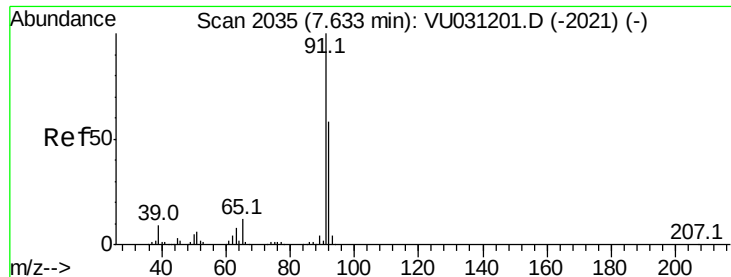
MMDadoda
5/6/2019 1:41:11 PM



#48
Ethyl methacrylate
Concen: 11.143 ug/l
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VU031201.D
Acq: 15 Apr 2019 22:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	65.0	32.5	97.5		





#49

Toluene

Concen: 10.781 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031201.D

Acq: 15 Apr 2019 22:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 92 Resp: 258512

Ion Ratio Lower Upper

92 100

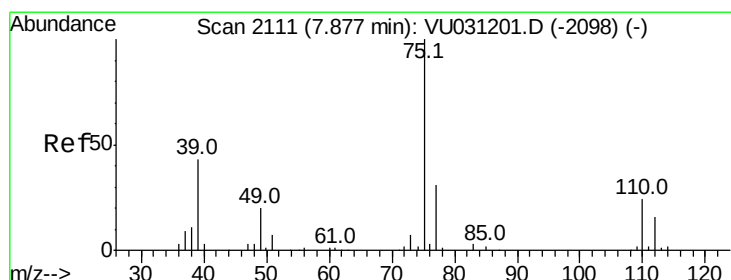
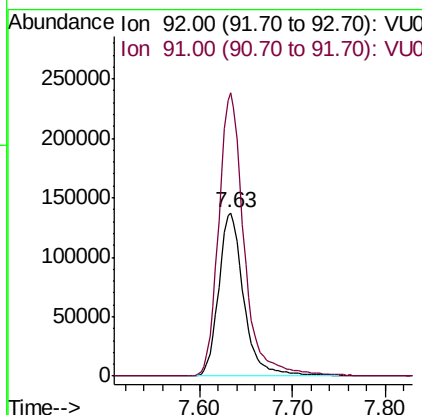
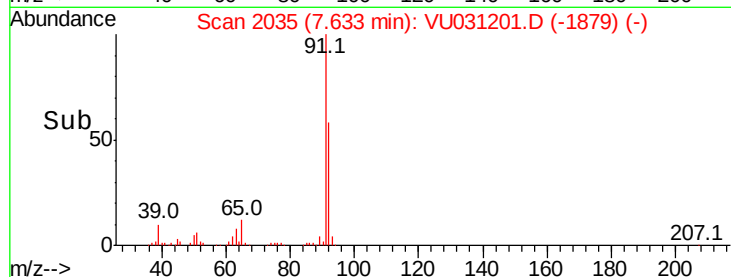
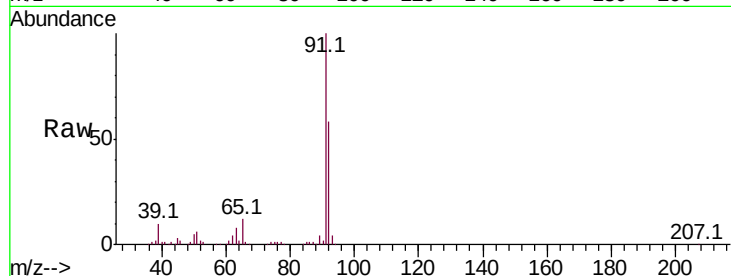
91 175.3 140.2 210.4

Manual Integrations

APPROVED

MMDadoda

5/6/2019 1:41:11 PM



#50

t-1,3-Dichloropropene

Concen: 10.456 ug/l

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU031201.D

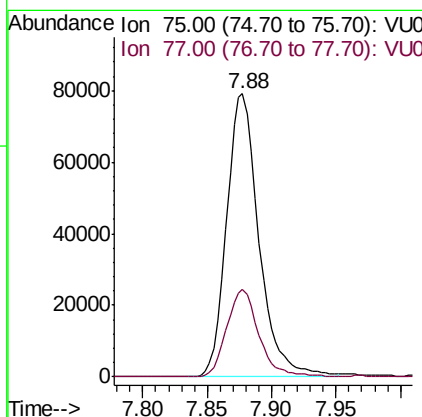
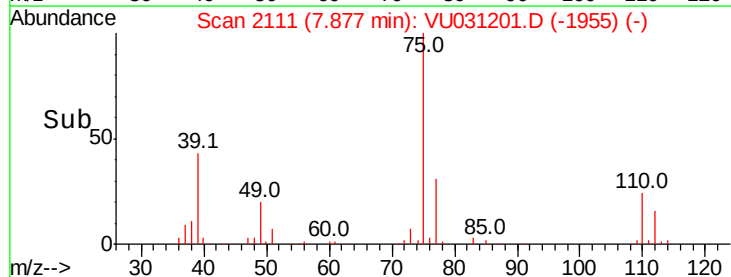
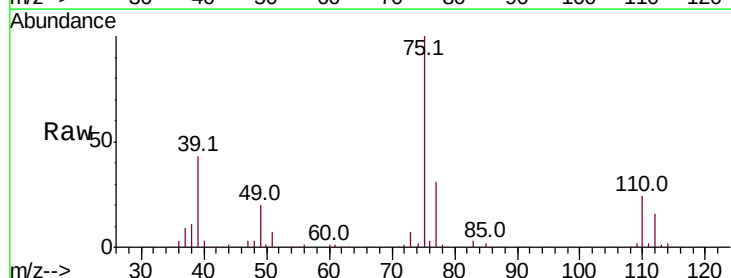
Acq: 15 Apr 2019 22:20

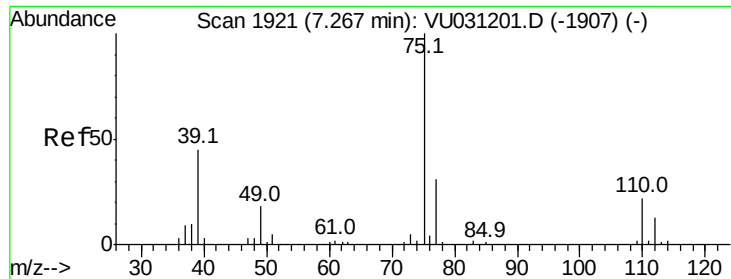
Tgt Ion: 75 Resp: 137649

Ion Ratio Lower Upper

75 100

77 30.8 24.6 37.0





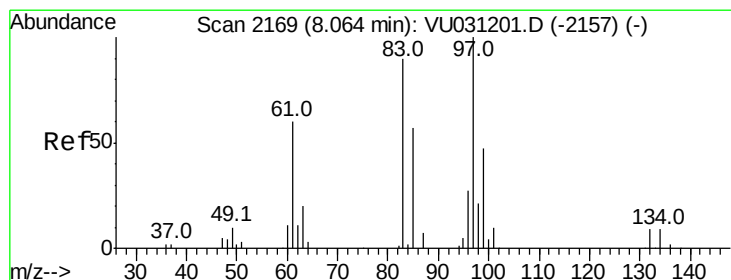
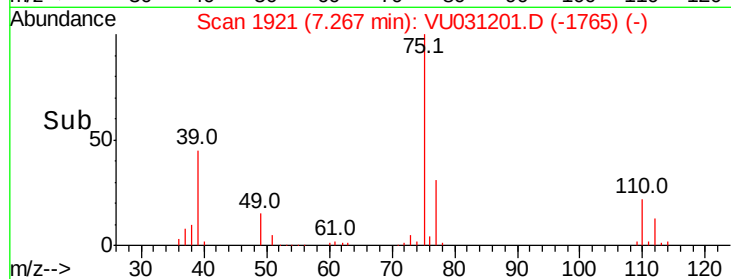
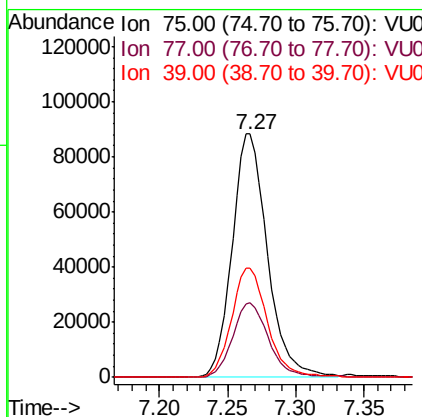
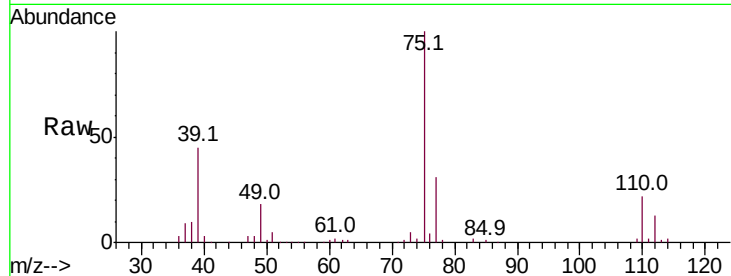
#51
 cis-1,3-Dichloropropene
 Concen: 10.012 ug/l
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU031201.D
 Acq: 15 Apr 2019 22:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.8	24.6	37.0
39	45.1	36.1	54.1

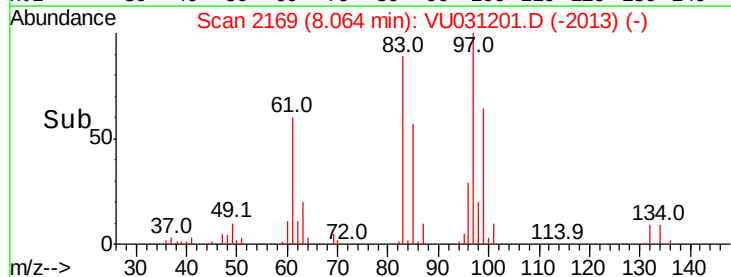
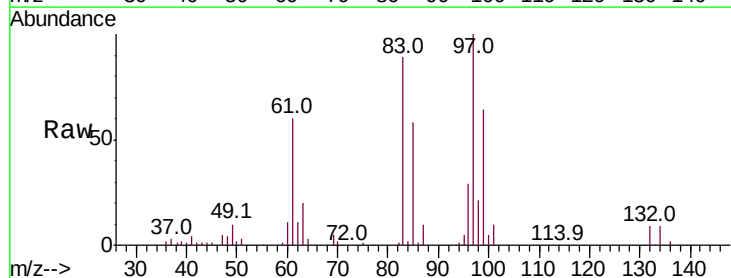
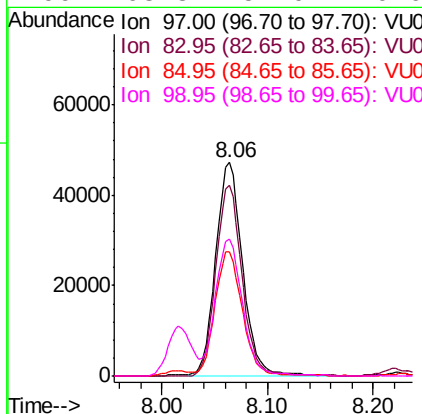
Manual Integrations
 APPROVED

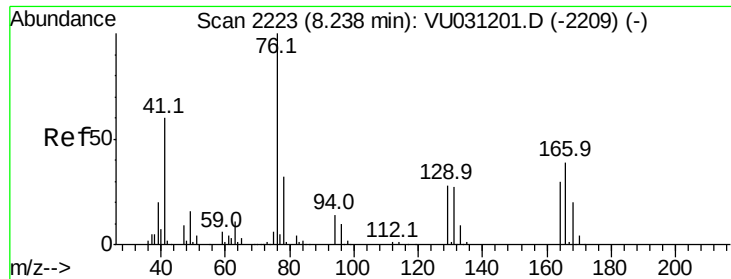
MMDadoda
 5/6/2019 1:41:11 PM



#52
 1,1,2-Trichloroethane
 Concen: 9.896 ug/l
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU031201.D
 Acq: 15 Apr 2019 22:20

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.4	71.5	107.3
85	58.4	46.7	70.1
99	63.8	51.0	76.6





#53

1,3-Dichloropropane

Concen: 9.978 ug/l

RT: 8.24 min Scan# 2223

Delta R.T. 0.00 min

Lab File: VU031201.D

Acq: 15 Apr 2019 22:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 76 Resp: 146487

Ion Ratio Lower Upper

76 100

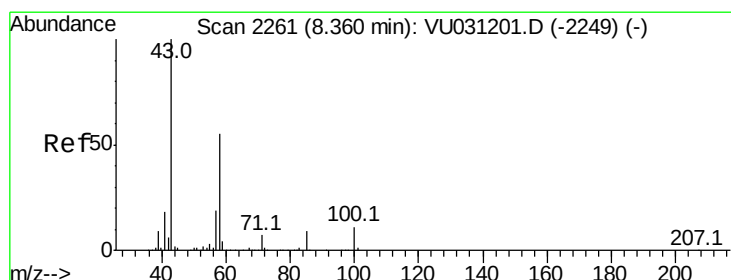
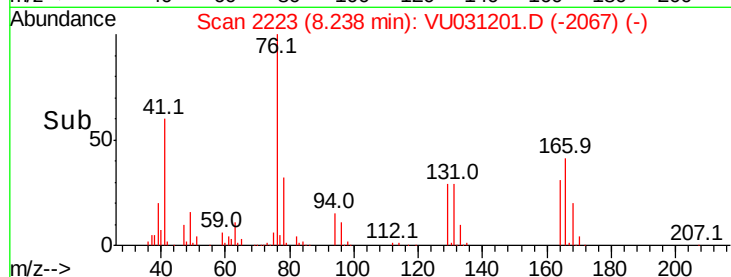
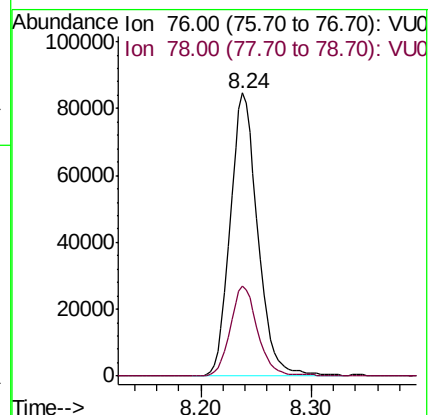
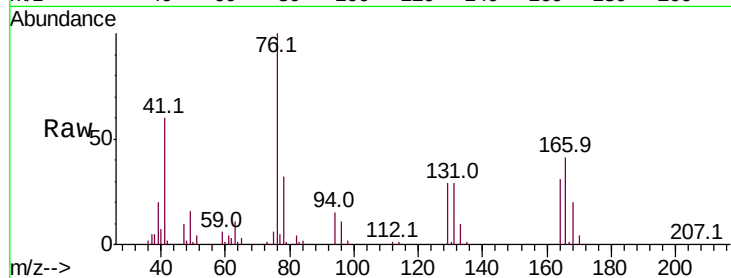
78 31.6 25.3 37.9

Manual Integrations

APPROVED

MMDadoda

5/6/2019 1:41:11 PM



#54

2-Hexanone

Concen: 50.239 ug/l

RT: 8.36 min Scan# 2261

Delta R.T. 0.00 min

Lab File: VU031201.D

Acq: 15 Apr 2019 22:20

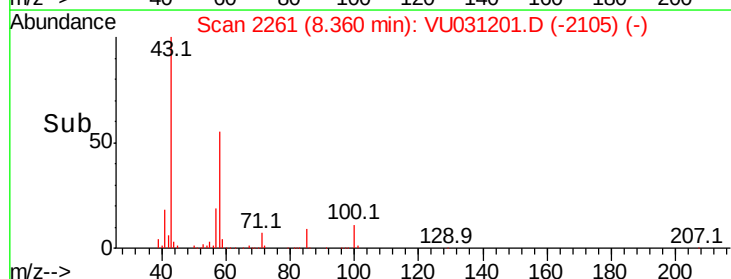
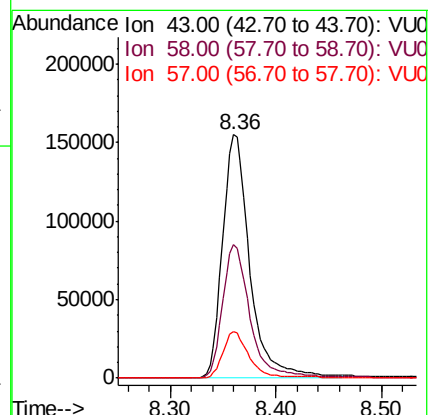
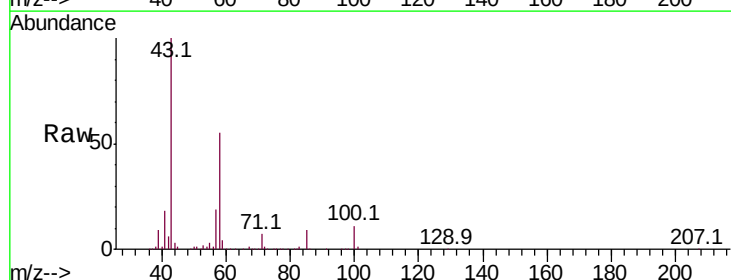
Tgt Ion: 43 Resp: 278665

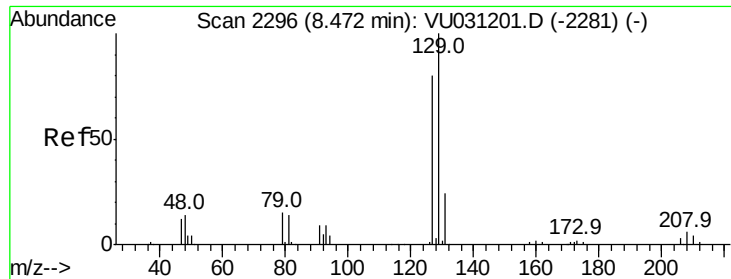
Ion Ratio Lower Upper

43 100

58 55.5 35.5 75.5

57 18.7 0.0 38.7





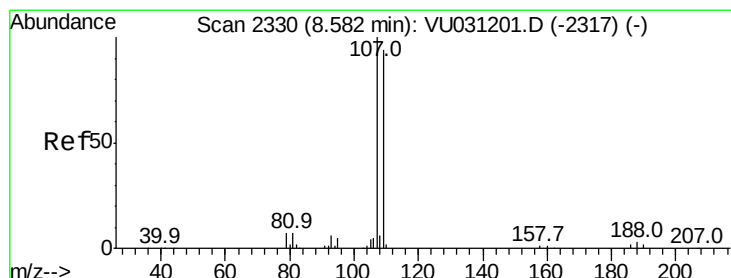
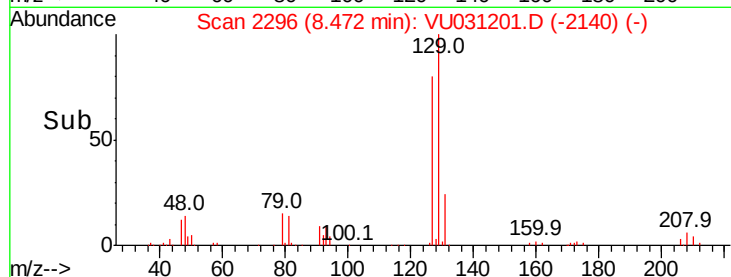
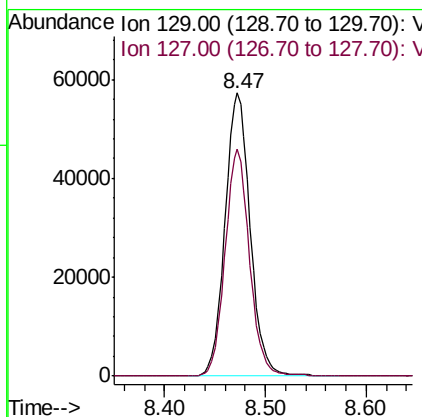
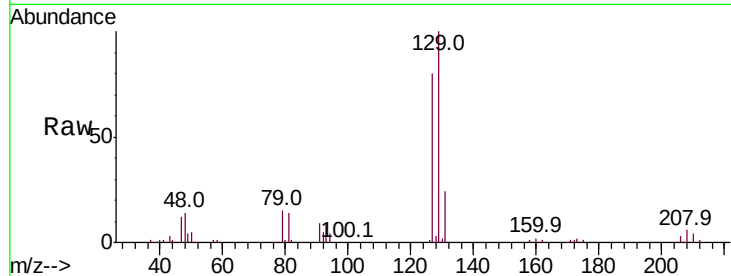
#55
 Dibromochloromethane
 Concen: 10.480 ug/l
 RT: 8.47 min Scan# 2296
 Delta R.T. 0.00 min
 Lab File: VU031201.D
 Acq: 15 Apr 2019 22:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ion	Ratio	Lower	Upper
129	100			
127	77.7	62.2	93.2	

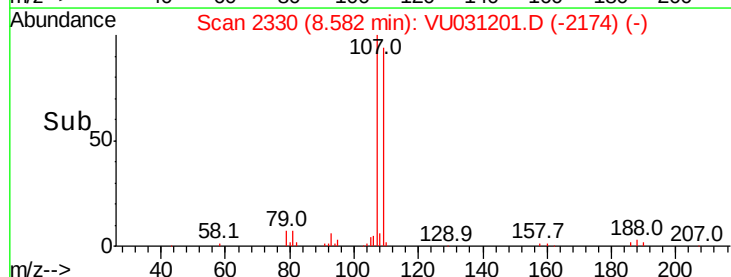
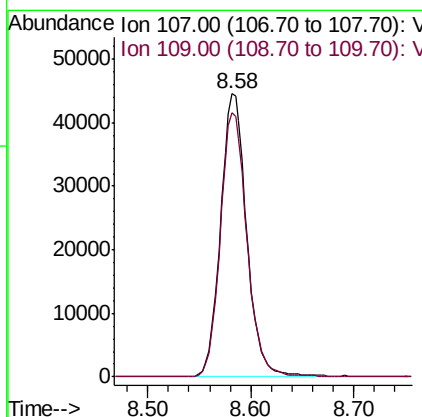
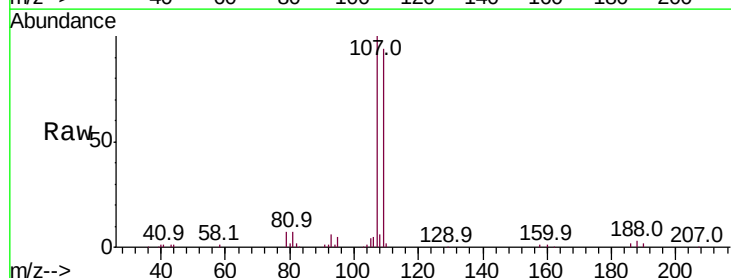
Manual Integrations
 APPROVED

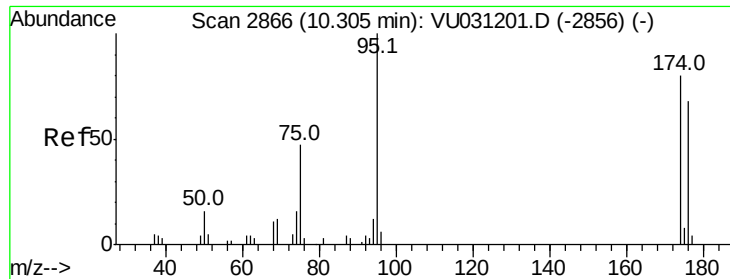
MMDadoda
 5/6/2019 1:41:11 PM



#56
 1,2-Dibromoethane
 Concen: 10.367 ug/l
 RT: 8.58 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VU031201.D
 Acq: 15 Apr 2019 22:20

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
109	94.5	0.0	189.0	





#57

4-Bromofluorobenzene

Concen: 10.367 ug/l

RT: 10.31 min Scan# 2866

Delta R.T. 0.00 min

Lab File: VU031201.D

Acq: 15 Apr 2019 22:20

Instrument :

MSVOA_U

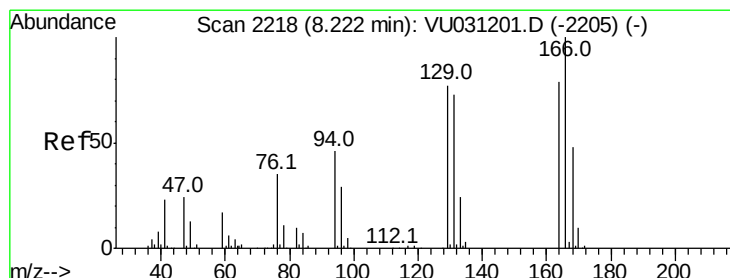
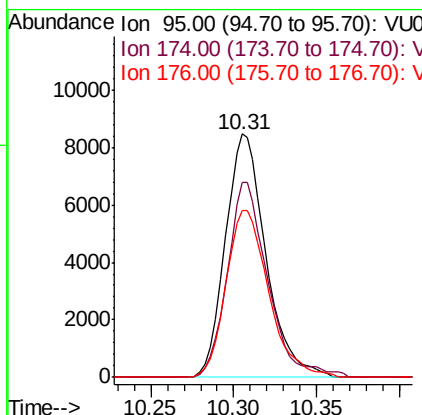
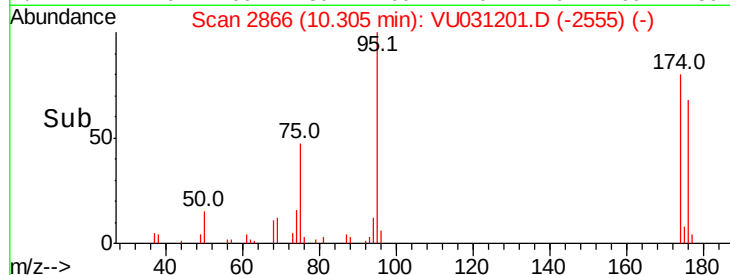
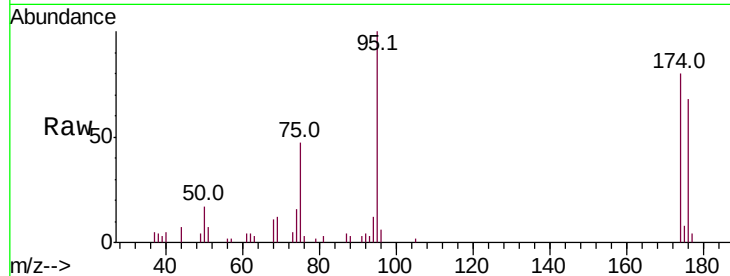
ClientSampleId :

VSTDICCC010

Tot Ion:	95	Resp:	14341
Ion Ratio	Lower	Upper	
95	100		
174	80.2	64.2	96.2
176	72.5	58.0	87.0

Manual Integrations
APPROVED

MMDadoda
5/6/2019 1:41:11 PM



#58

Tetrachloroethene

Concen: 11.055 ug/l

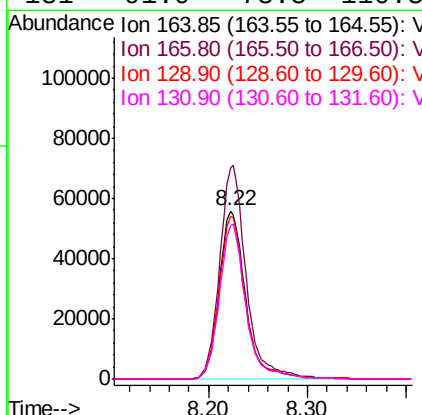
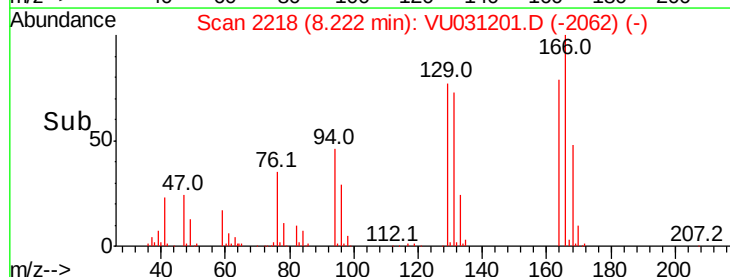
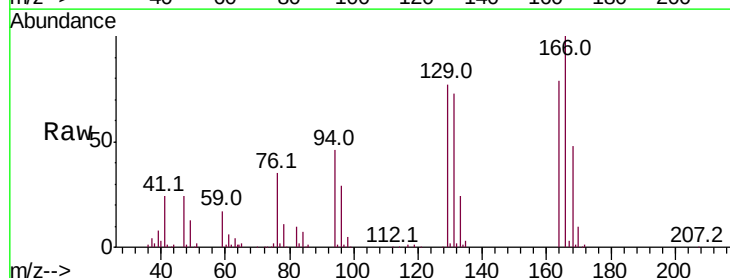
RT: 8.22 min Scan# 2218

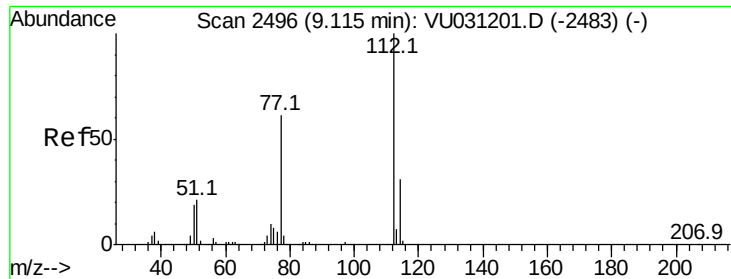
Delta R.T. 0.00 min

Lab File: VU031201.D

Acq: 15 Apr 2019 22:20

Tgt Ion:	164	Resp:	105078
Ion Ratio	Lower	Upper	
164	100		
166	126.1	100.9	151.3
129	97.0	77.6	116.4
131	91.9	73.5	110.3





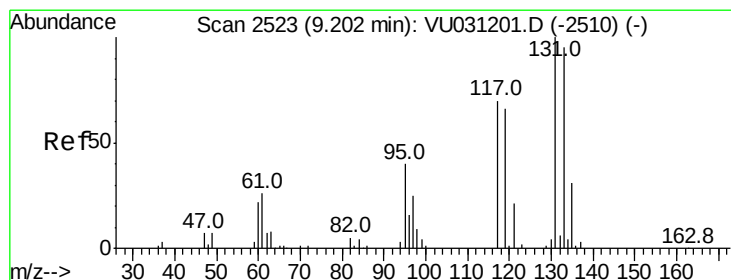
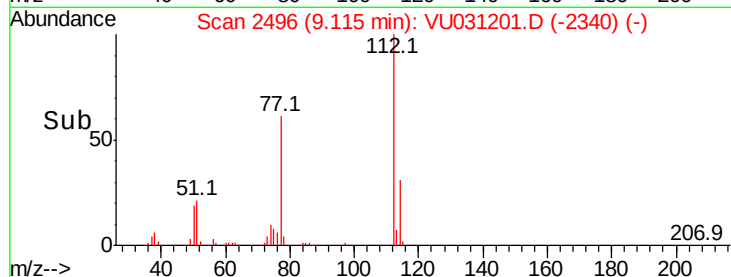
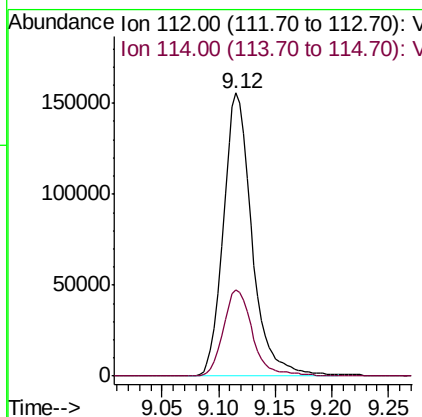
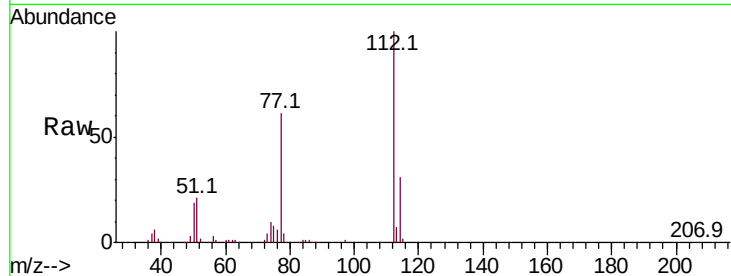
#59
Chlorobenzene
Concen: 10.452 ug/l
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU031201.D
Acq: 15 Apr 2019 22:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.5	24.4	36.6

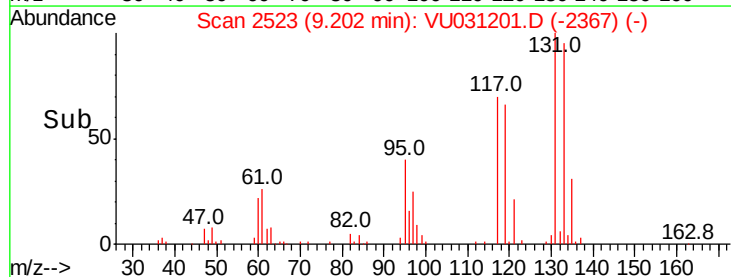
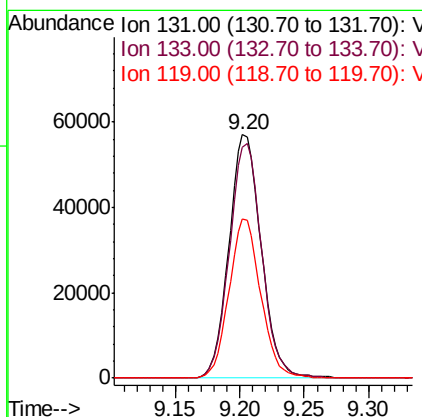
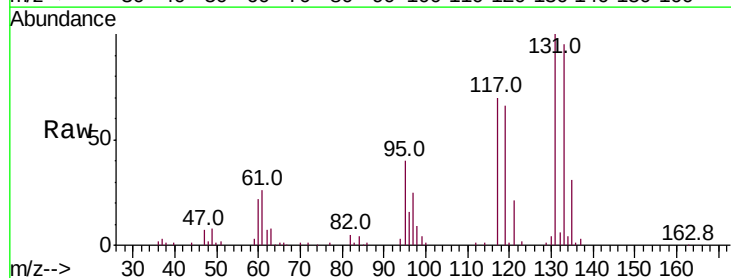
Manual Integrations
APPROVED

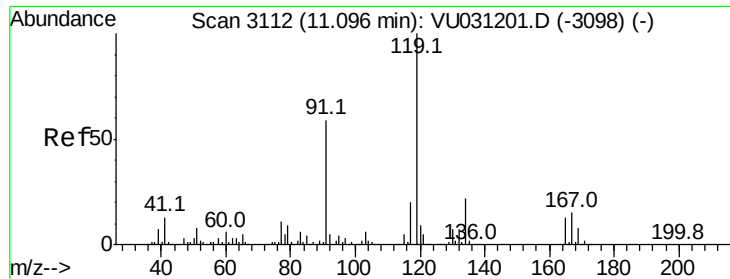
MMDadoda
5/6/2019 1:41:11 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 10.011 ug/l
RT: 9.20 min Scan# 2523
Delta R.T. 0.00 min
Lab File: VU031201.D
Acq: 15 Apr 2019 22:20

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.5	77.2	115.8
119	64.3	51.4	77.2





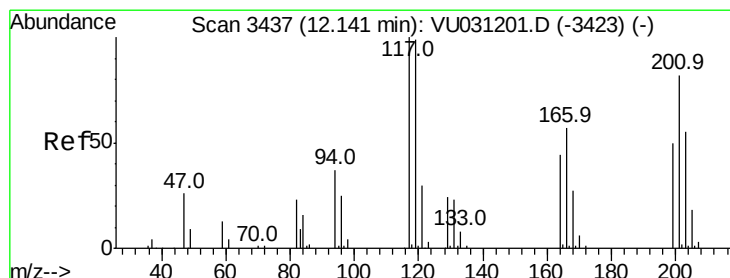
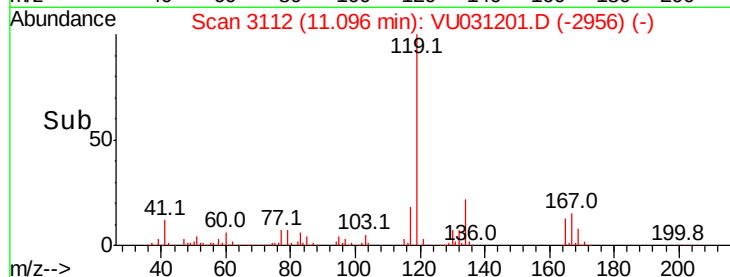
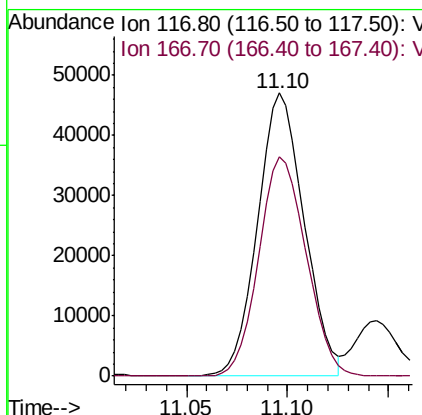
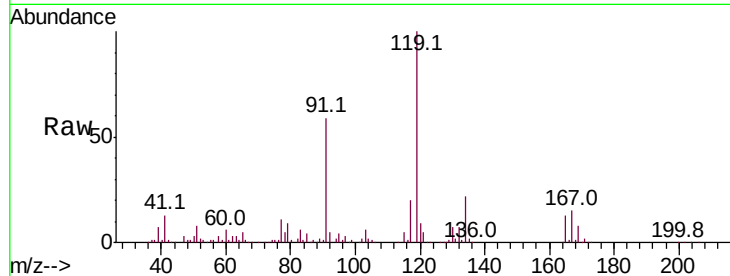
#61
 Pentachloroethane
 Concen: 9.964 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. 0.00 min
 Lab File: VU031201.D
 Acq: 15 Apr 2019 22:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion:117 Resp: 75536
 Ion Ratio Lower Upper
 117 100
 167 78.9 63.1 94.7

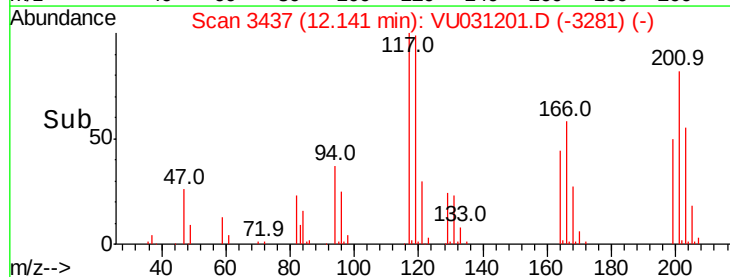
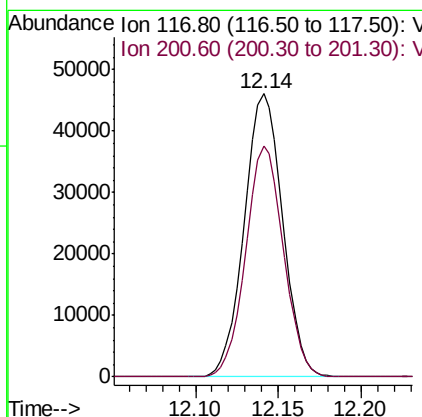
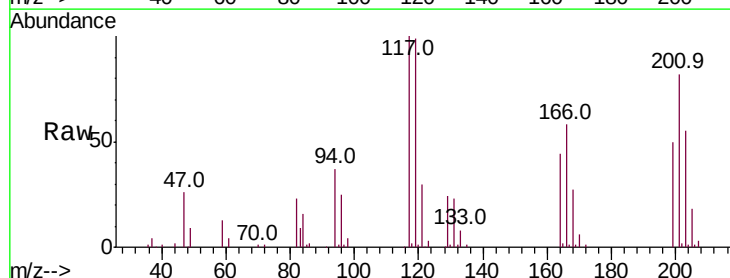
Manual Integrations
 APPROVED

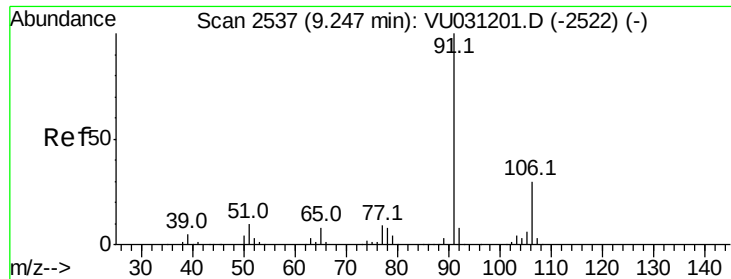
MMDadoda
 5/6/2019 1:41:11 PM



#62
 Hexachloroethane
 Concen: 10.302 ug/l
 RT: 12.14 min Scan# 3437
 Delta R.T. 0.00 min
 Lab File: VU031201.D
 Acq: 15 Apr 2019 22:20

Tgt Ion:117 Resp: 74212
 Ion Ratio Lower Upper
 117 100
 201 79.9 63.9 95.9





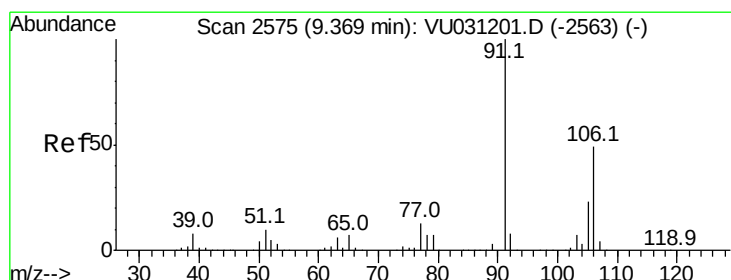
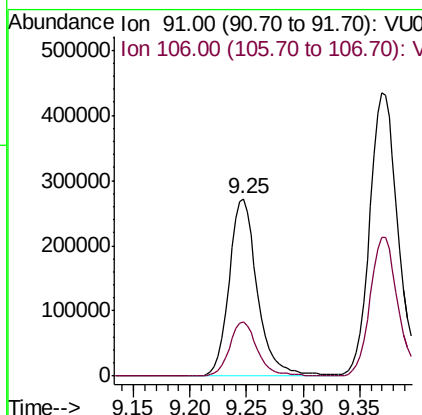
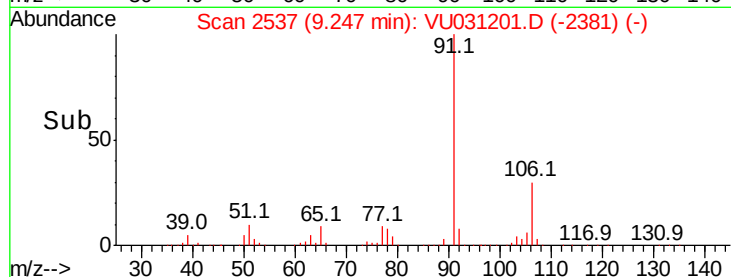
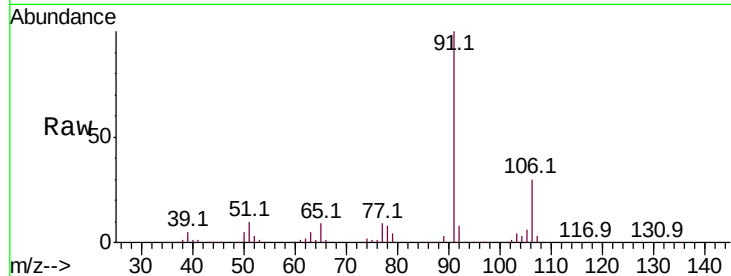
#63
Ethyl Benzene
Concen: 10.921 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. 0.00 min
Lab File: VU031201.D
Acq: 15 Apr 2019 22:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion: 91 Resp: 474202
Ion Ratio Lower Upper
91 100
106 30.4 24.3 36.5

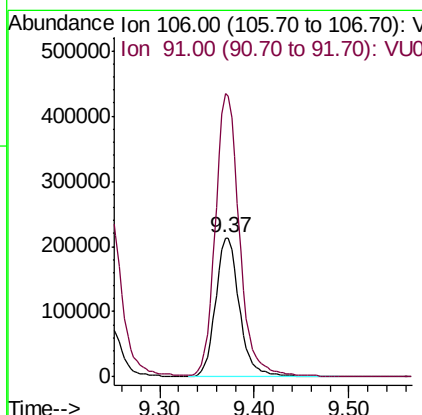
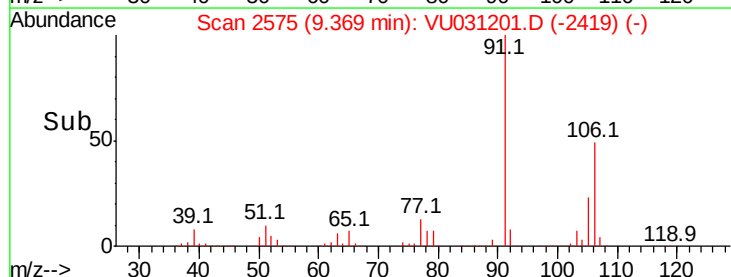
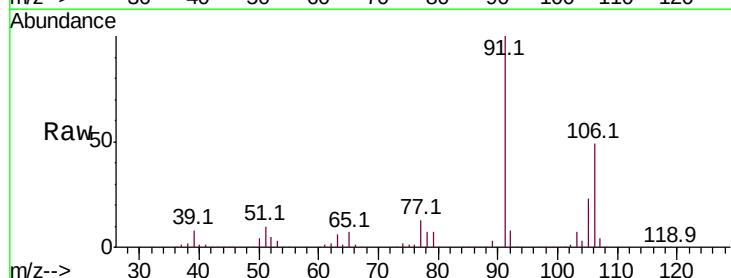
Manual Integrations
APPROVED

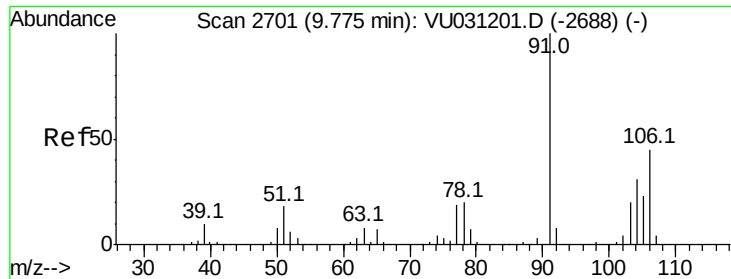
MMDadoda
5/6/2019 1:41:11 PM



#64
m/p-Xylenes
Concen: 23.432 ug/l
RT: 9.37 min Scan# 2575
Delta R.T. 0.00 min
Lab File: VU031201.D
Acq: 15 Apr 2019 22:20

Tgt Ion:106 Resp: 371998
Ion Ratio Lower Upper
106 100
91 207.1 165.7 248.5





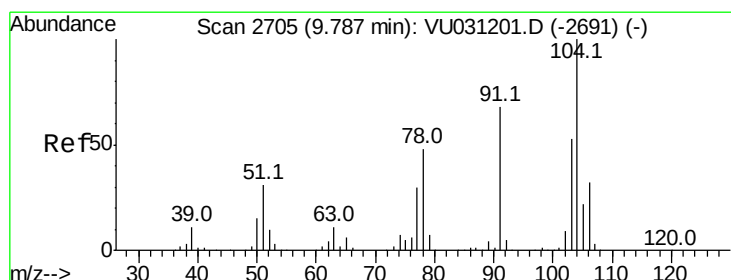
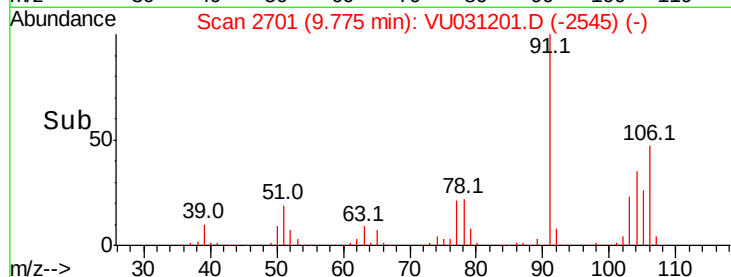
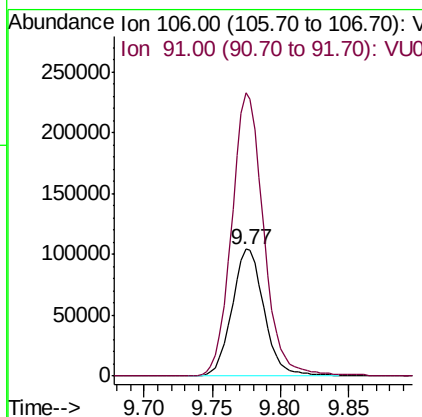
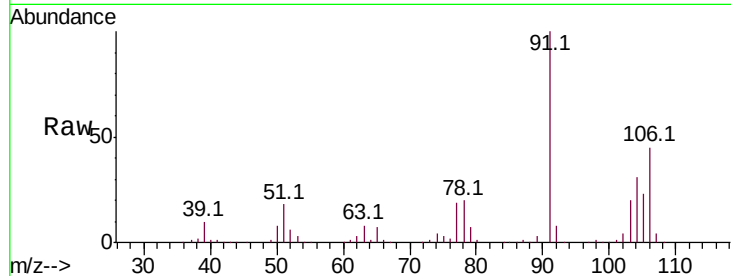
#65
o-Xylene
Concen: 11.095 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU031201.D
Acq: 15 Apr 2019 22:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion:106 Resp: 171174
Ion Ratio Lower Upper
106 100
91 222.5 111.3 333.8

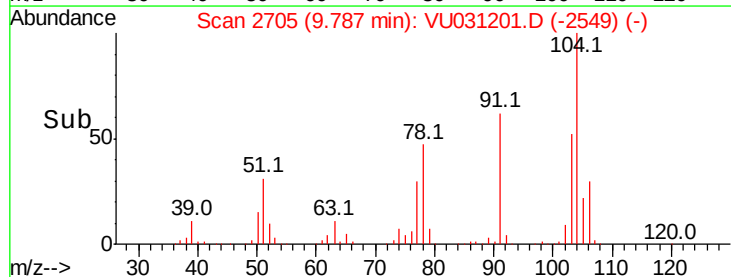
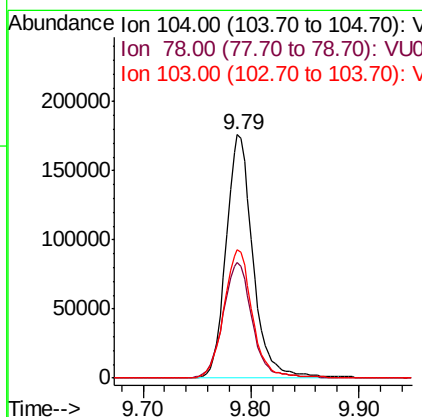
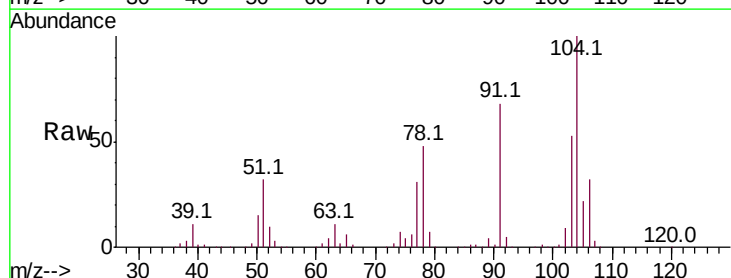
Manual Integrations
APPROVED

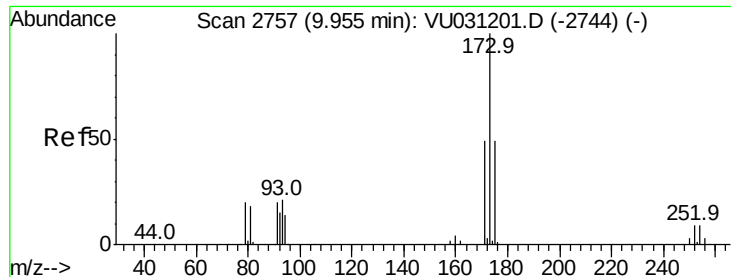
MMDadoda
5/6/2019 1:41:11 PM



#66
Styrene
Concen: 11.471 ug/l
RT: 9.79 min Scan# 2705
Delta R.T. 0.00 min
Lab File: VU031201.D
Acq: 15 Apr 2019 22:20

Tgt Ion:104 Resp: 305577
Ion Ratio Lower Upper
104 100
78 51.7 41.4 62.0
103 56.2 45.0 67.4





#67

Bromoform

Concen: 10.849 ug/l

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU031201.D

Acq: 15 Apr 2019 22:20

Instrument :

MSVOA_U

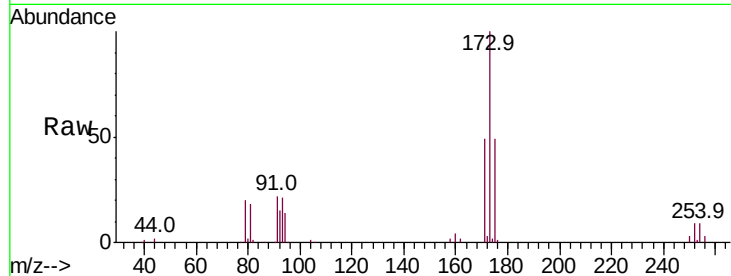
ClientSampleId :

VSTDICCC010

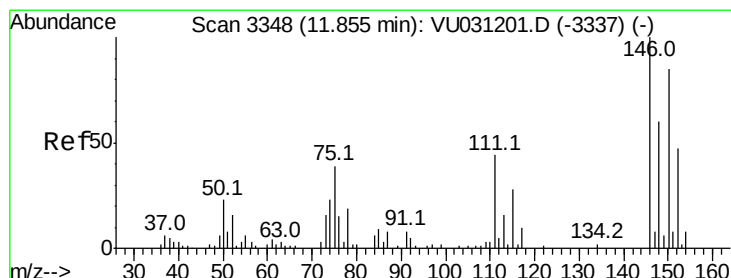
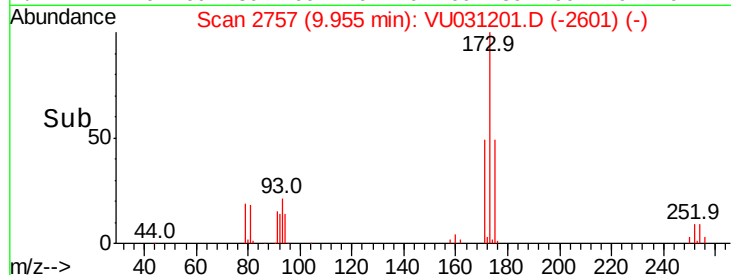
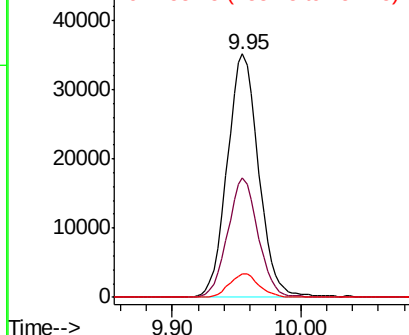
Tot Ion:	173	Resp:	59423
Ion Ratio	Lower	Upper	
173	100		
175	47.5	38.0	57.0
254	8.9	7.1	10.7

Manual Integrations
APPROVED

MMDadoda
5/6/2019 1:41:11 PM



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



#68

1,2-Dichlorobenzene-d4

Concen: 10.849 ug/l

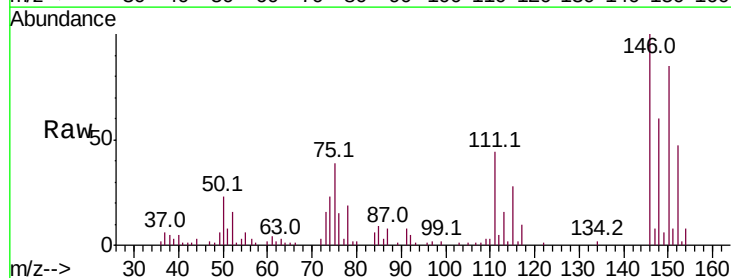
RT: 11.85 min Scan# 3348

Delta R.T. 0.00 min

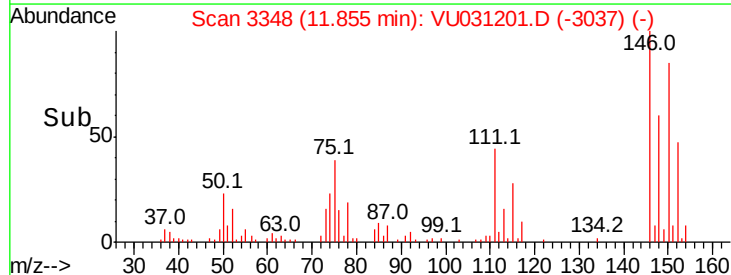
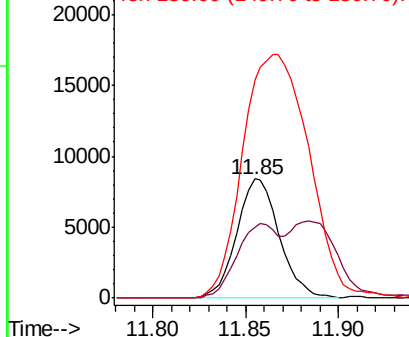
Lab File: VU031201.D

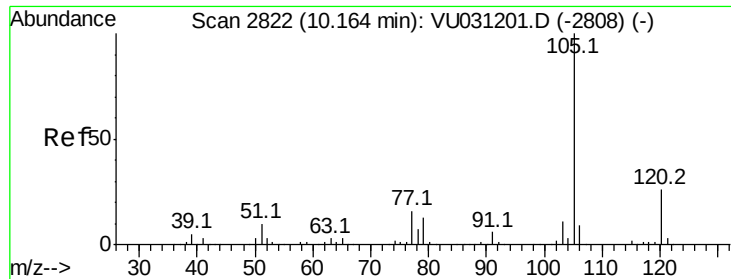
Acq: 15 Apr 2019 22:20

Tgt Ion:	152	Resp:	13350
Ion Ratio	Lower	Upper	
152	100		
115	65.0	0.0	130.0
150	319.5	0.0	639.0



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





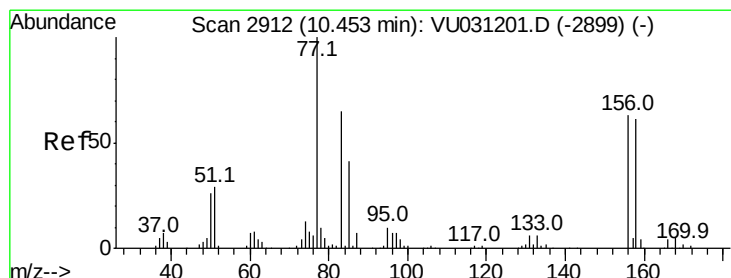
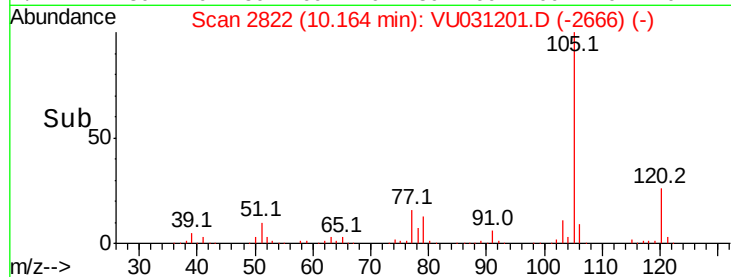
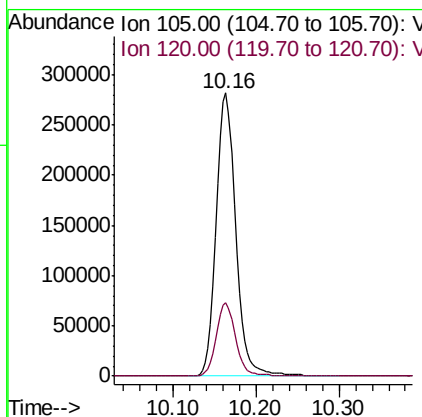
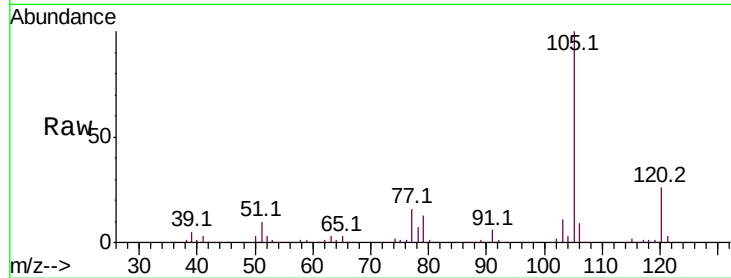
#69
Isopropylbenzene
Concen: 11.175 ug/l
RT: 10.16 min Scan# 2822
Delta R.T. 0.00 min
Lab File: VU031201.D
Acq: 15 Apr 2019 22:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.8	38.3

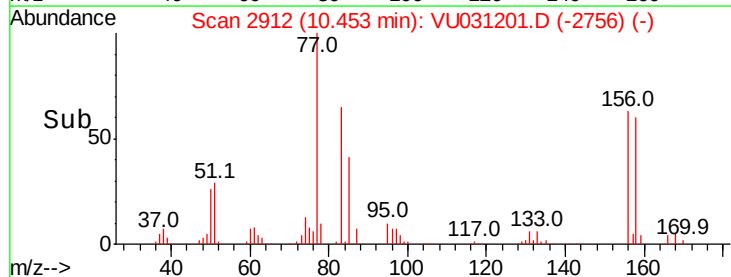
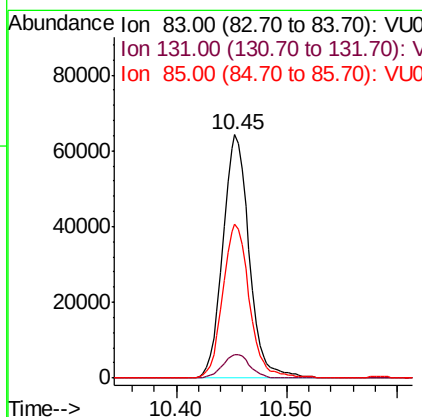
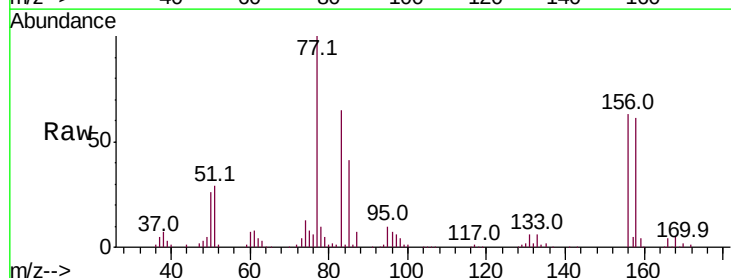
Manual Integrations
APPROVED

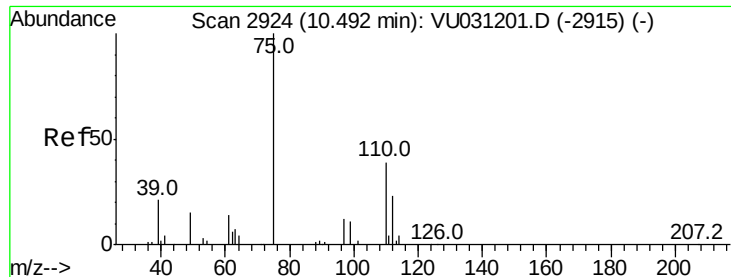
MMDadoda
5/6/2019 1:41:11 PM



#70
1,1,2,2-Tetrachloroethane
Concen: 9.672 ug/l
RT: 10.45 min Scan# 2912
Delta R.T. 0.00 min
Lab File: VU031201.D
Acq: 15 Apr 2019 22:20

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.0	8.0	12.0
85	64.1	51.3	76.9





#71

1,2,3-Trichloropropane

Concen: 9.573 ug/l m

RT: 10.49 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VU031201.D

Acq: 15 Apr 2019 22:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 75 Resp: 80275

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

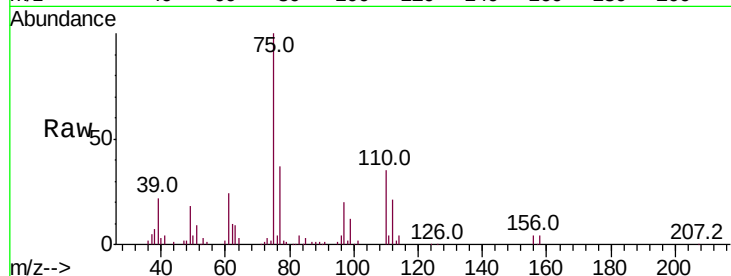
110 35.5 0.0 71.0

97 20.2 0.0 40.4

Manual Integrations
APPROVED

MMDadoda

5/6/2019 1:41:11 PM



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 110.00 (109.70 to 110.70): V

Ion 97.00 (96.70 to 97.70): VU0

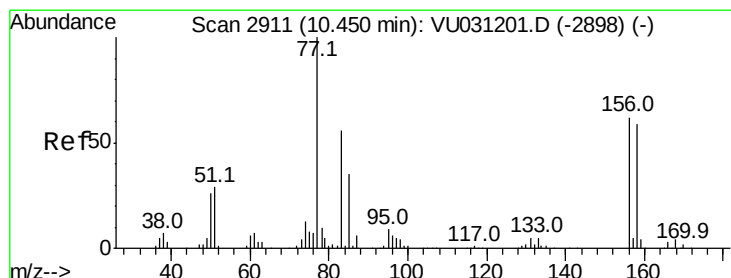
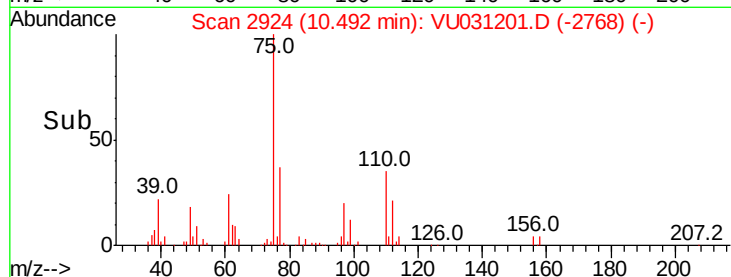
150000

100000

50000

0

Time--> 10.44 10.46 10.48 10.50



#72

Bromobenzene

Concen: 11.118 ug/l

RT: 10.45 min Scan# 2911

Delta R.T. 0.00 min

Lab File: VU031201.D

Acq: 15 Apr 2019 22:20

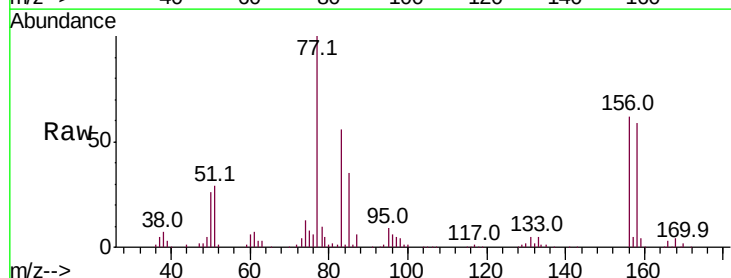
Tgt Ion: 156 Resp: 115700

Ion Ratio Lower Upper

156 100

77 161.3 0.0 322.6

158 95.5 0.0 191.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V

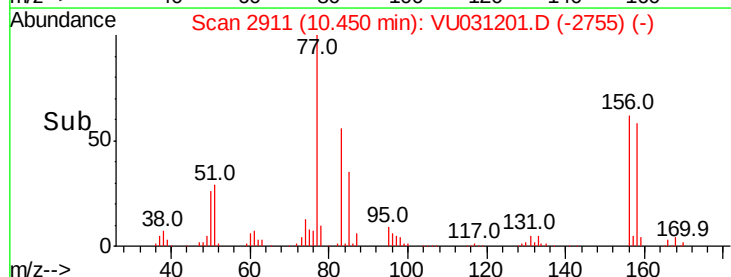
150000

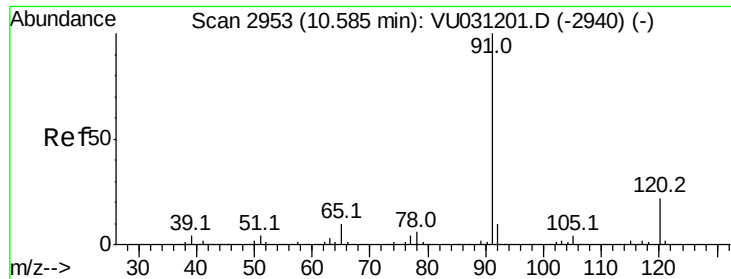
100000

50000

0

Time--> 10.40 10.50





#73

n-propylbenzene

Concen: 11.567 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU031201.D

Acq: 15 Apr 2019 22:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion:120 Resp: 127022

Ion Ratio Lower Upper

120 100

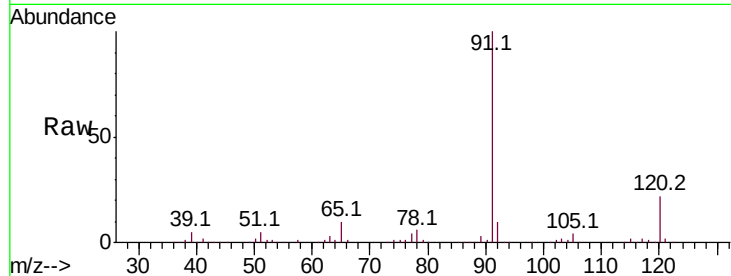
91 456.1 364.9 547.3

Manual Integrations

APPROVED

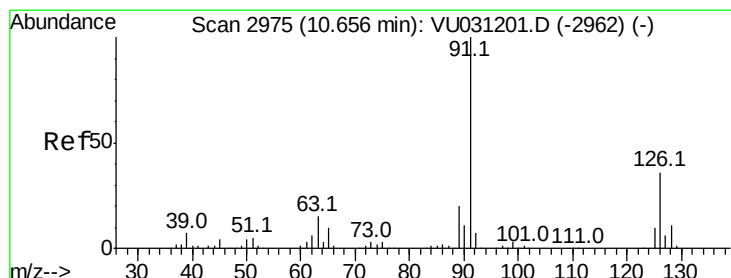
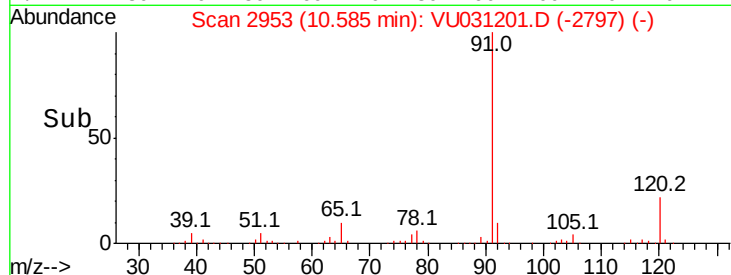
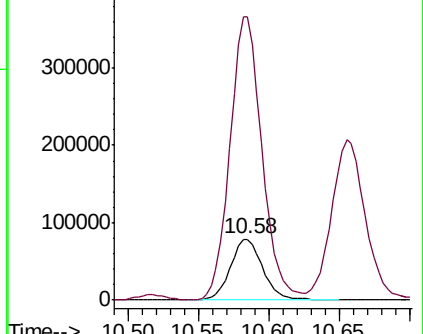
MMDadoda

5/6/2019 1:41:11 PM



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 11.365 ug/l

RT: 10.66 min Scan# 2975

Delta R.T. 0.00 min

Lab File: VU031201.D

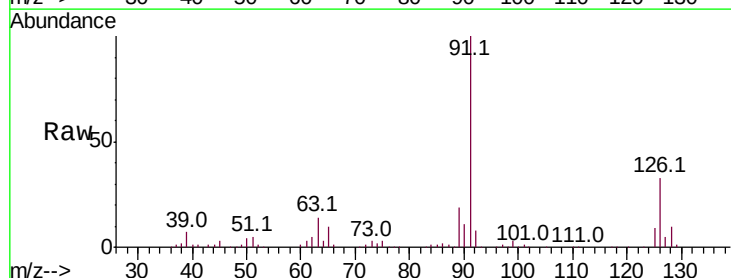
Acq: 15 Apr 2019 22:20

Tgt Ion:126 Resp: 113889

Ion Ratio Lower Upper

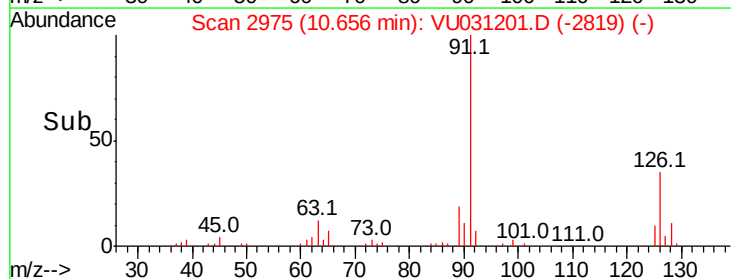
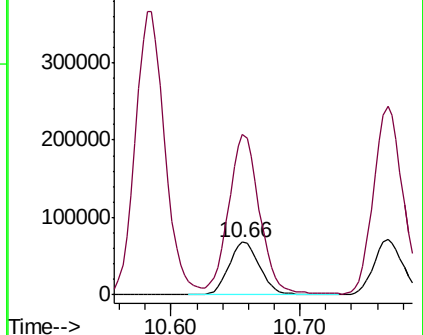
126 100

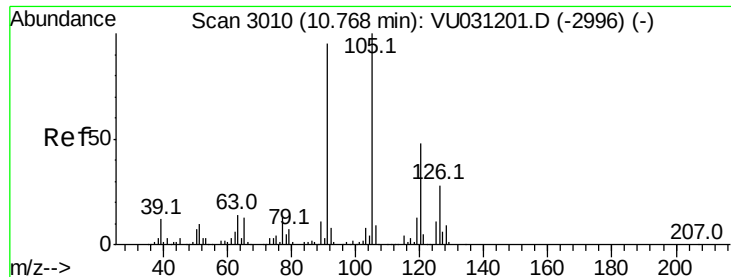
91 306.3 0.0 612.6



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: 11.453 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU031201.D

Acq: 15 Apr 2019 22:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion:105 Resp: 399397

Ion Ratio Lower Upper

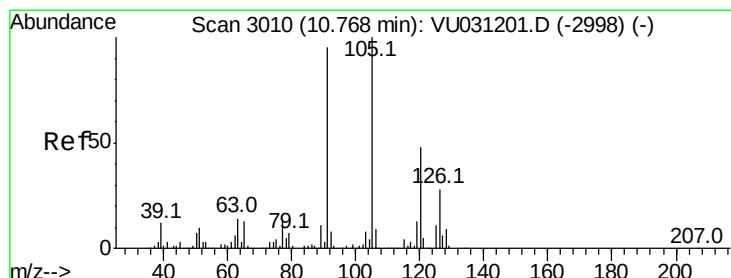
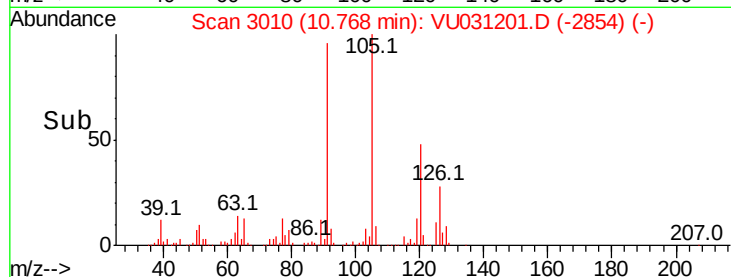
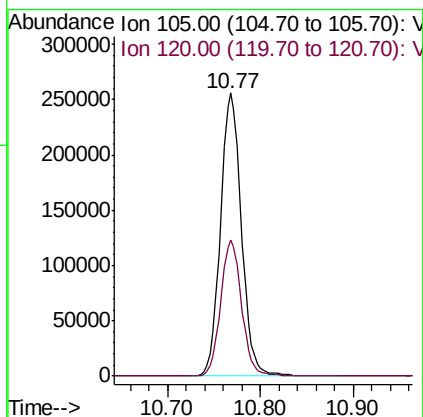
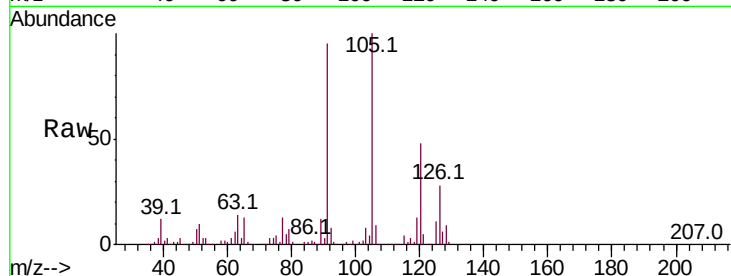
105 100

120 48.4 38.7 58.1

Manual Integrations
APPROVED

MMDadoda

5/6/2019 1:41:11 PM



#76

4-Chlorotoluene

Concen: 11.221 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU031201.D

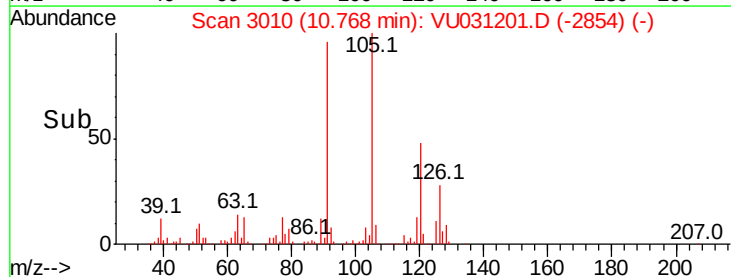
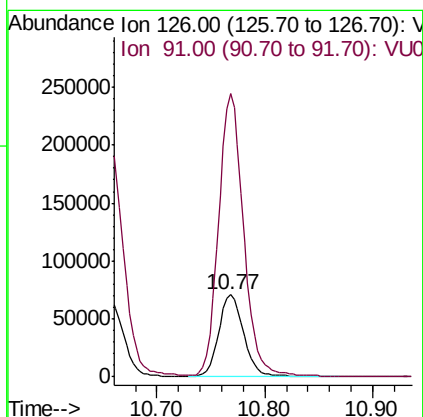
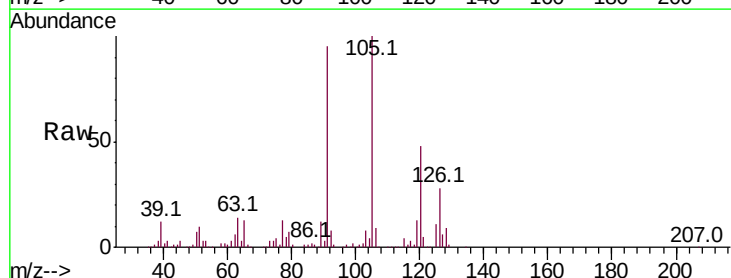
Acq: 15 Apr 2019 22:20

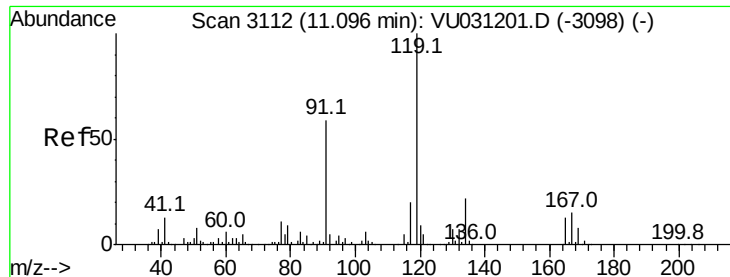
Tgt Ion:126 Resp: 114764

Ion Ratio Lower Upper

126 100

91 341.9 0.0 683.8





#77

tert-Butylbenzene

Concen: 11.158 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VU031201.D

Acq: 15 Apr 2019 22:20

Instrument :

MSVOA_U

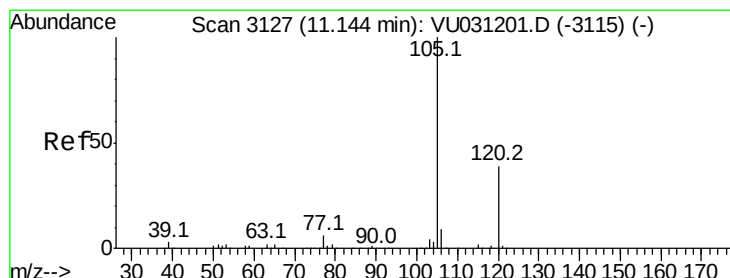
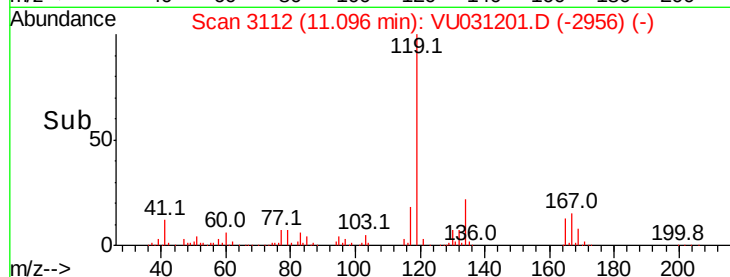
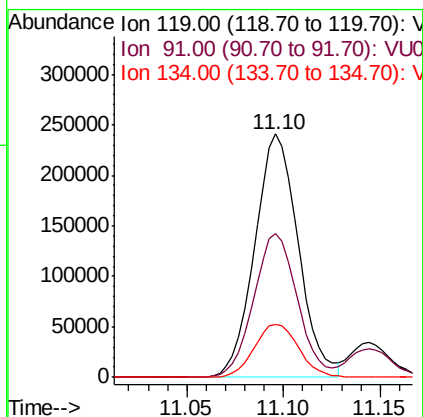
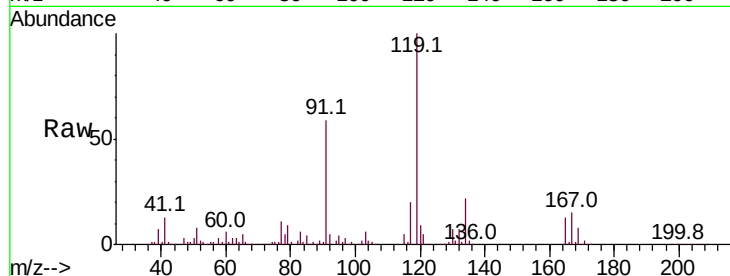
ClientSampleId :

VSTDICCC010

Tot Ion:	119	Resp:	379162
Ion Ratio	Lower	Upper	
119	100		
91	58.9	29.4	88.3
134	22.4	17.9	26.9

Manual Integrations
APPROVED

MMDadoda
5/6/2019 1:41:11 PM



#78

1,2,4-Trimethylbenzene

Concen: 11.562 ug/l

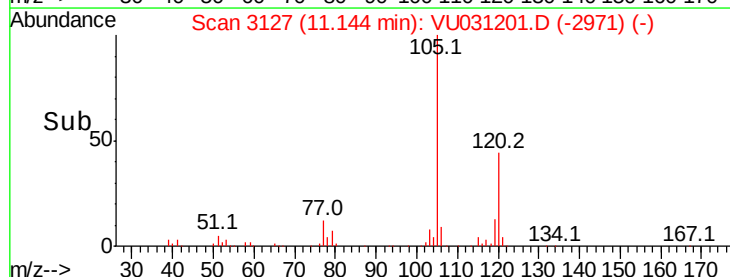
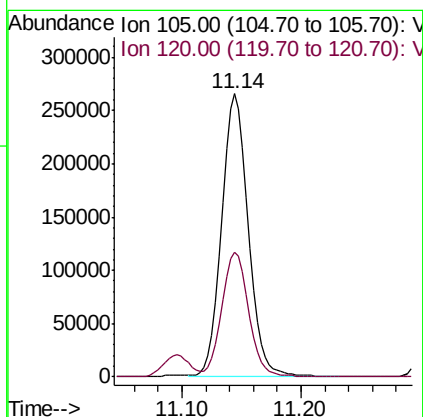
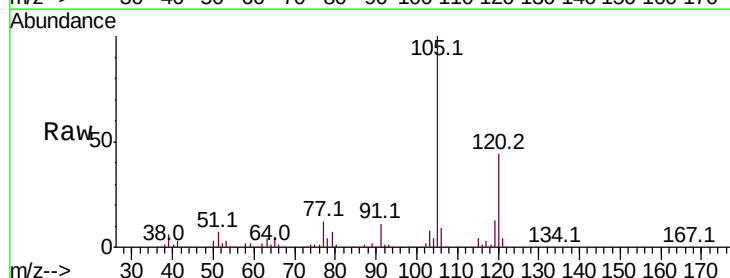
RT: 11.14 min Scan# 3127

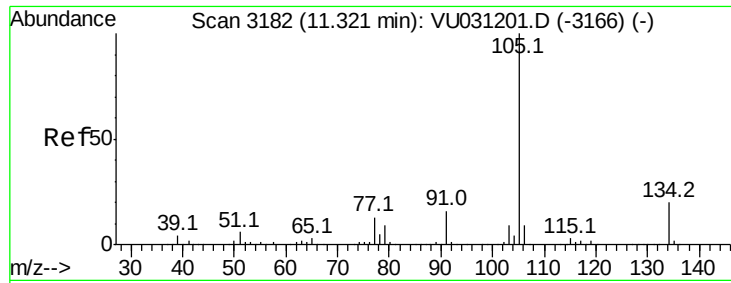
Delta R.T. 0.00 min

Lab File: VU031201.D

Acq: 15 Apr 2019 22:20

Tgt Ion:	105	Resp:	410718
Ion Ratio	Lower	Upper	
105	100		
120	44.7	22.4	67.0





#79

sec-Butylbenzene

Concen: 11.109 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU031201.D

Acq: 15 Apr 2019 22:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion:105 Resp: 512969

Ion Ratio Lower Upper

105 100

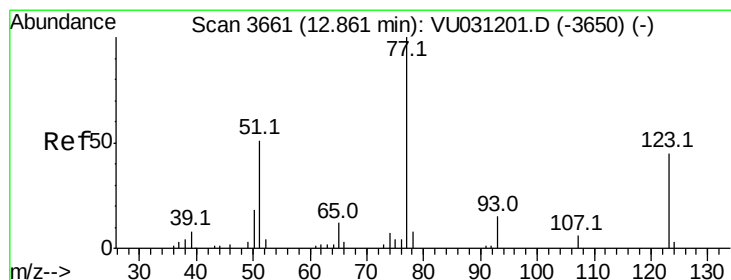
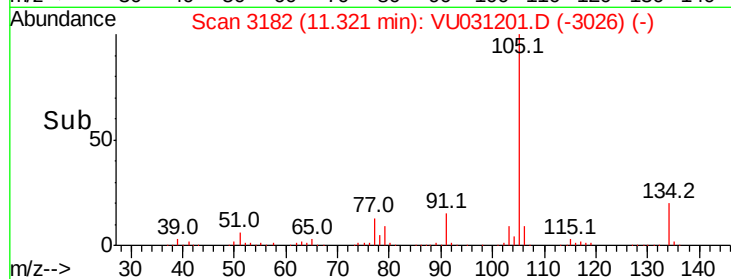
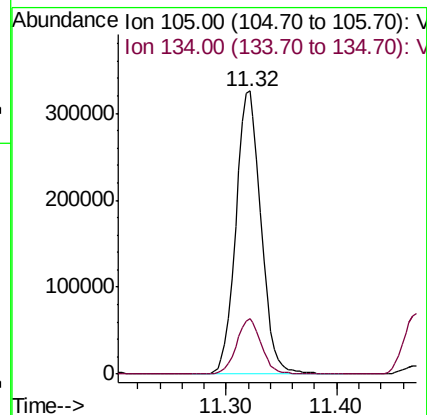
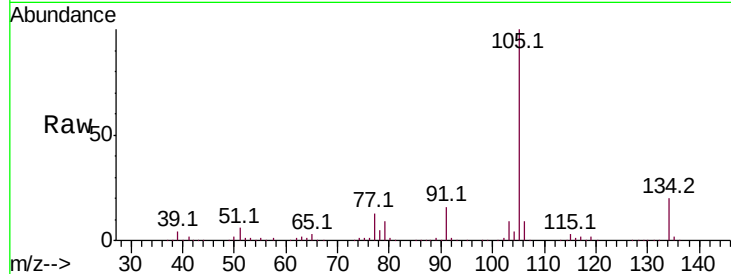
134 19.4 15.5 23.3

Manual Integrations

APPROVED

MMDadoda

5/6/2019 1:41:11 PM



#80

Nitrobenzene

Concen: 63.668 ug/l

RT: 12.86 min Scan# 3661

Delta R.T. 0.00 min

Lab File: VU031201.D

Acq: 15 Apr 2019 22:20

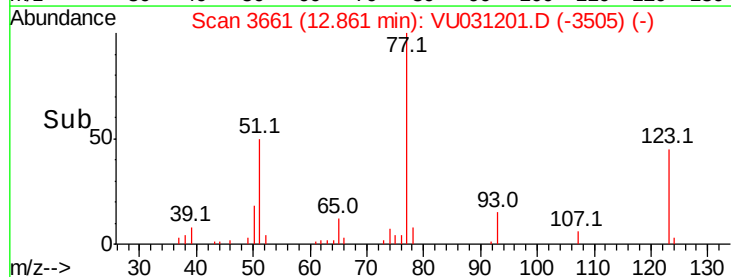
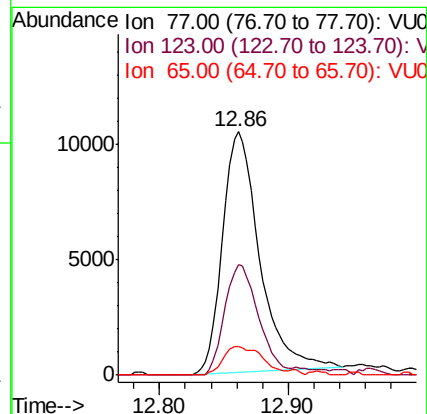
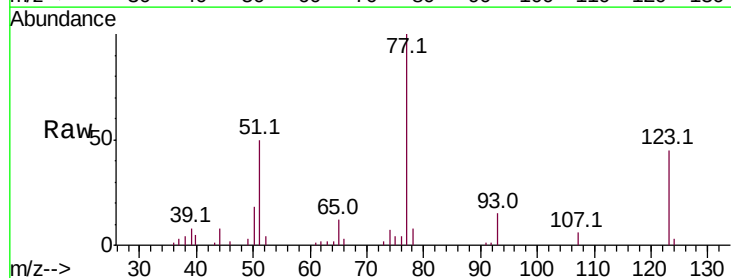
Tgt Ion: 77 Resp: 20899

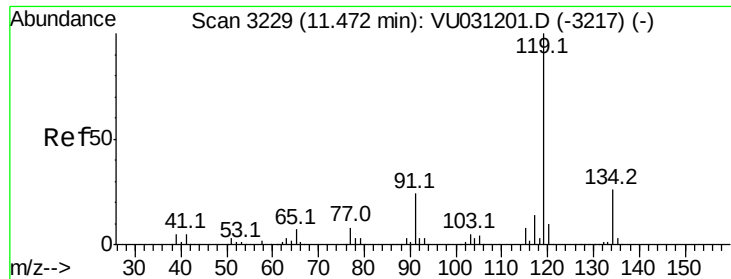
Ion Ratio Lower Upper

77 100

123 38.9 17.1 60.7

65 10.7 9.4 12.0





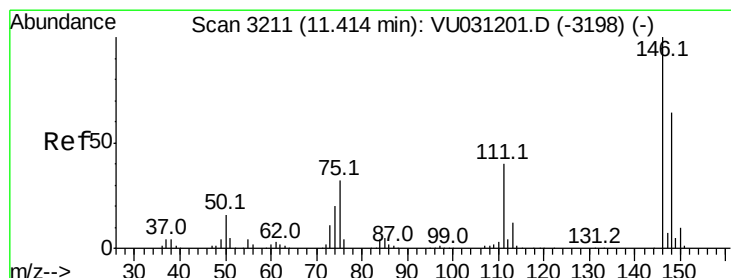
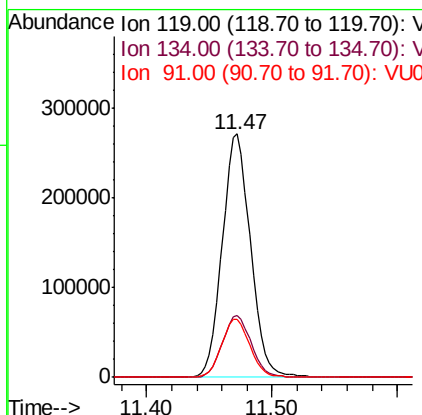
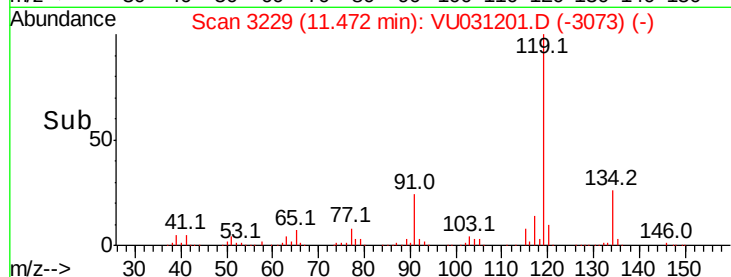
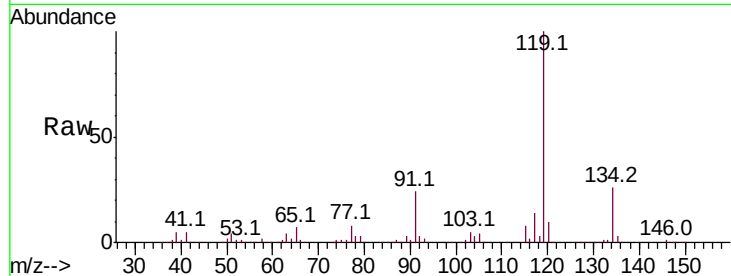
#81
 p-Isopropyltoluene
 Concen: 11.626 ug/l
 RT: 11.47 min Scan# 3229
 Delta R.T. 0.00 min
 Lab File: VU031201.D
 Acq: 15 Apr 2019 22:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion:	119	Resp:	420948
Ion Ratio	Lower	Upper	
119	100		
134	26.2	21.0	31.4
91	24.3	19.4	29.2

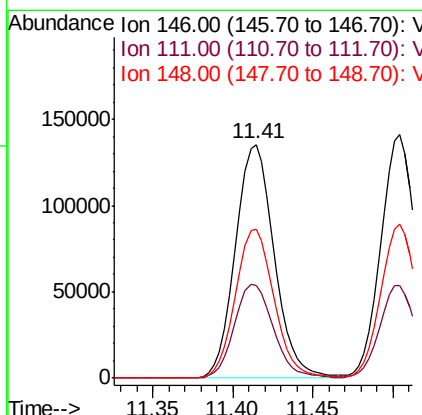
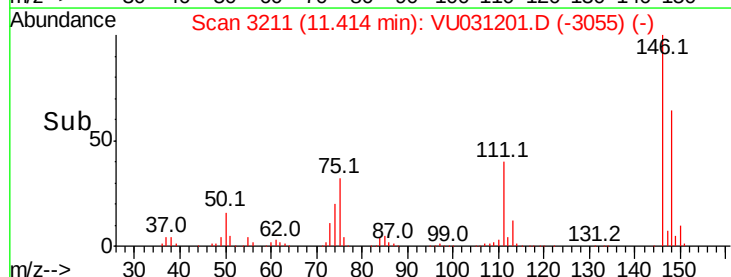
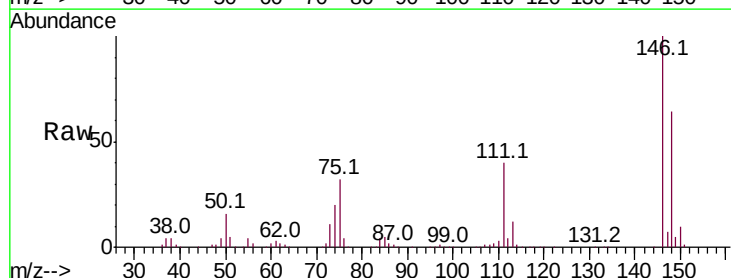
Manual Integrations
 APPROVED

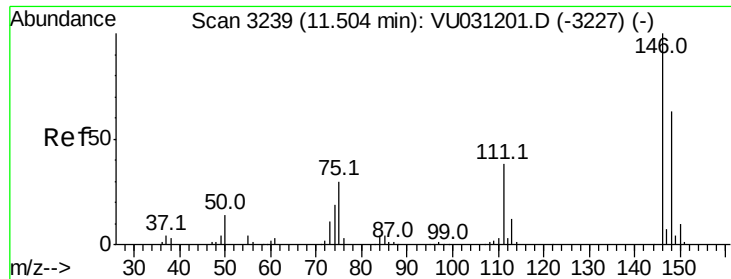
MMDadoda
 5/6/2019 1:41:11 PM



#82
 1,3-Dichlorobenzene
 Concen: 10.880 ug/l
 RT: 11.41 min Scan# 3211
 Delta R.T. 0.00 min
 Lab File: VU031201.D
 Acq: 15 Apr 2019 22:20

Tgt Ion:	146	Resp:	224245
Ion Ratio	Lower	Upper	
146	100		
111	40.5	32.4	48.6
148	63.5	50.8	76.2





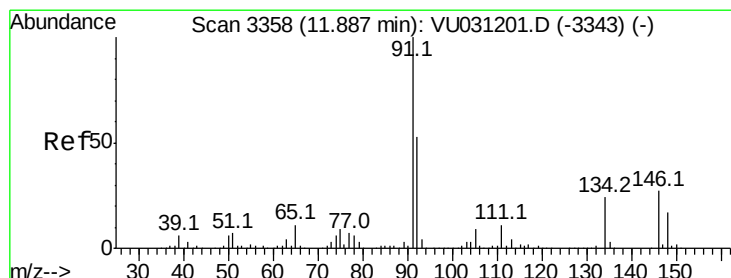
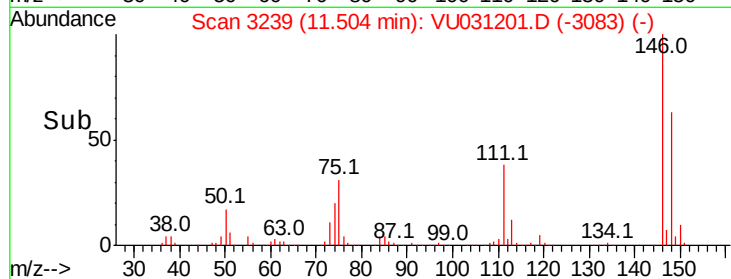
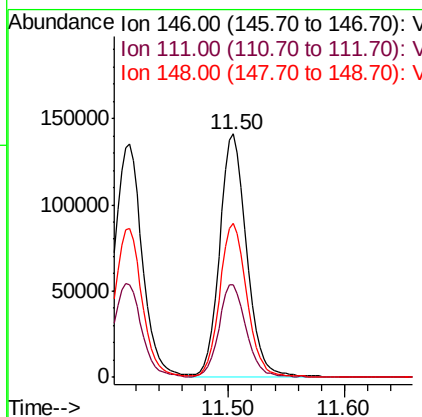
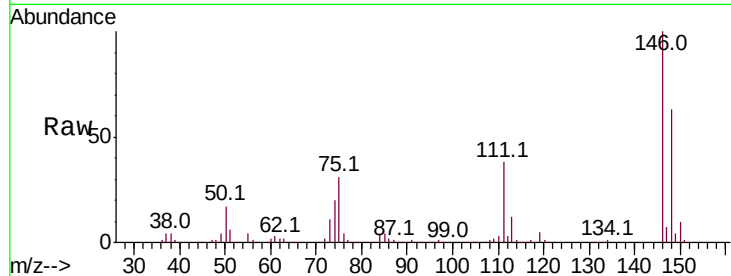
#83
 1,4-Dichlorobenzene
 Concen: 11.164 ug/l
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU031201.D
 Acq: 15 Apr 2019 22:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	30.6	46.0
148	63.9	51.1	76.7

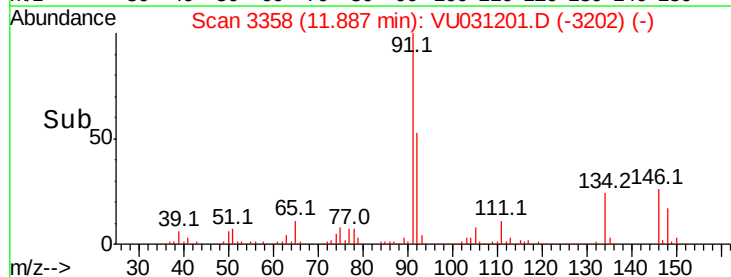
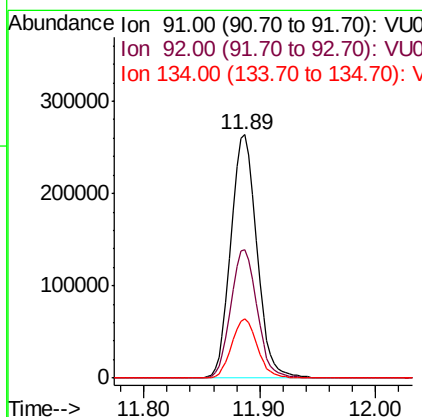
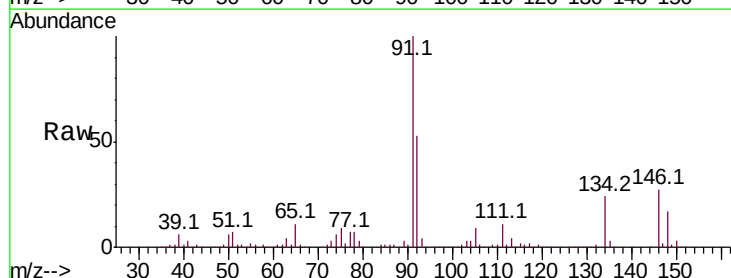
Manual Integrations
 APPROVED

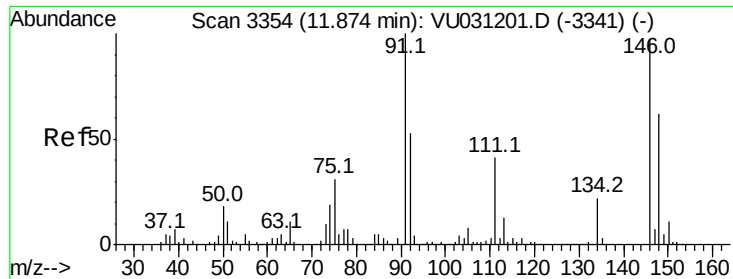
MMDadoda
 5/6/2019 1:41:11 PM



#84
 n-Butylbenzene
 Concen: 11.227 ug/l
 RT: 11.89 min Scan# 3358
 Delta R.T. 0.00 min
 Lab File: VU031201.D
 Acq: 15 Apr 2019 22:20

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.2	42.6	63.8
134	23.9	19.1	28.7





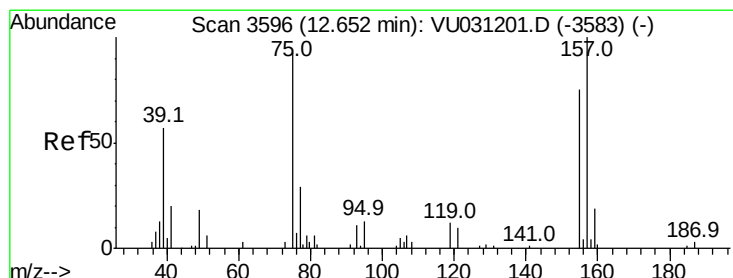
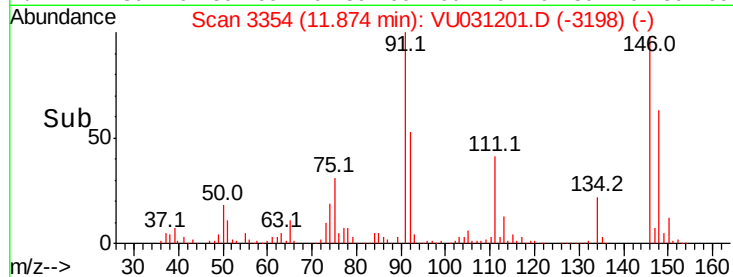
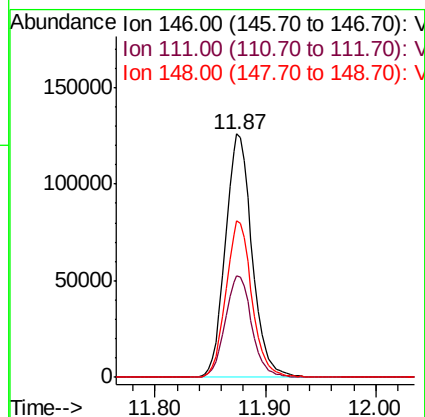
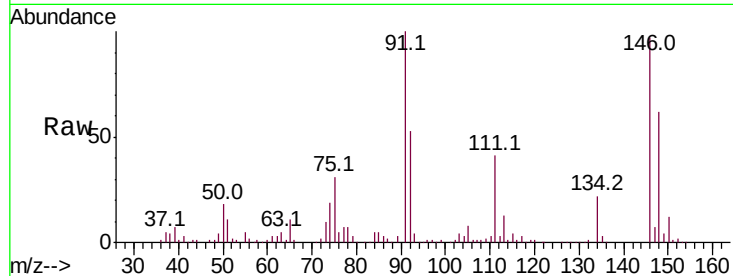
#85
 1,2-Dichlorobenzene
 Concen: 10.769 ug/l
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU031201.D
 Acq: 15 Apr 2019 22:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.8	62.5
148	62.9	31.4	94.3

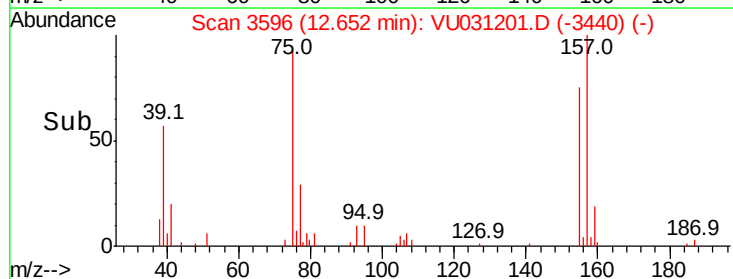
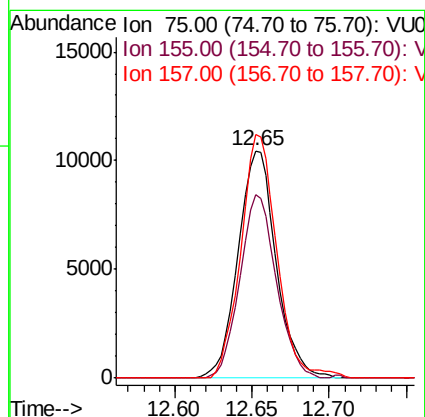
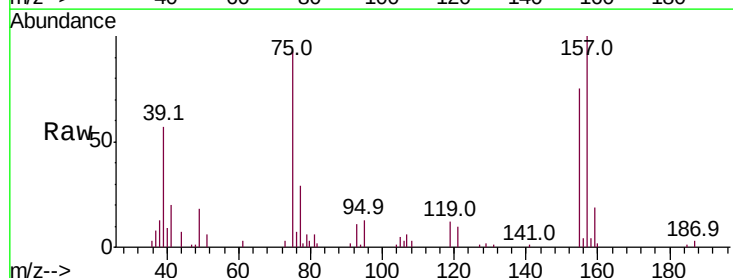
Manual Integrations
 APPROVED

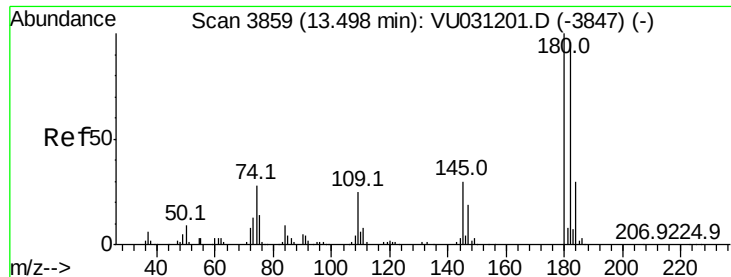
MMDadoda
 5/6/2019 1:41:11 PM



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 10.404 ug/l
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU031201.D
 Acq: 15 Apr 2019 22:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.1	61.7	92.5
157	101.6	81.3	121.9





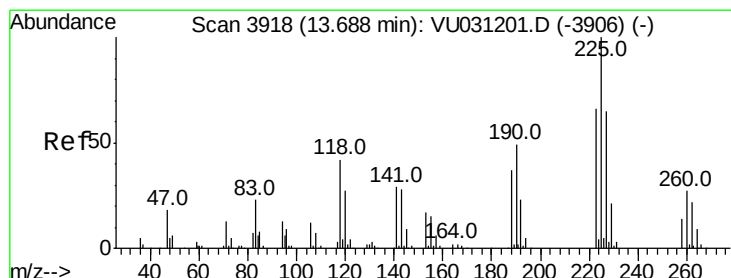
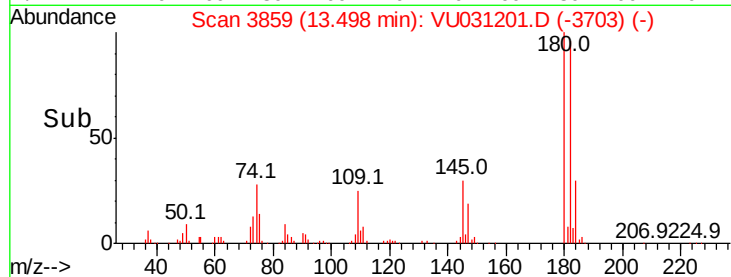
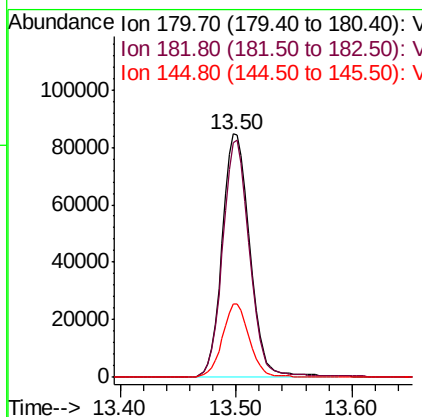
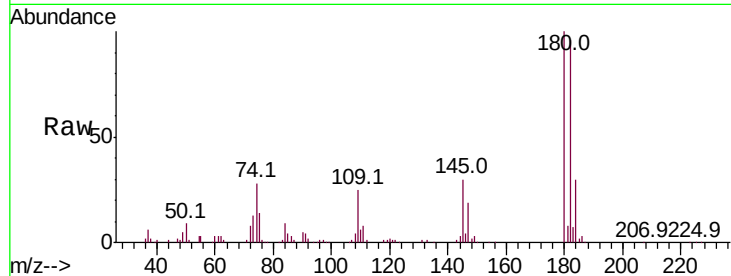
#87
 1,2,4-Trichlorobenzene
 Concen: 11.970 ug/l
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU031201.D
 Acq: 15 Apr 2019 22:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	75.0	112.6
145	29.3	23.4	35.2

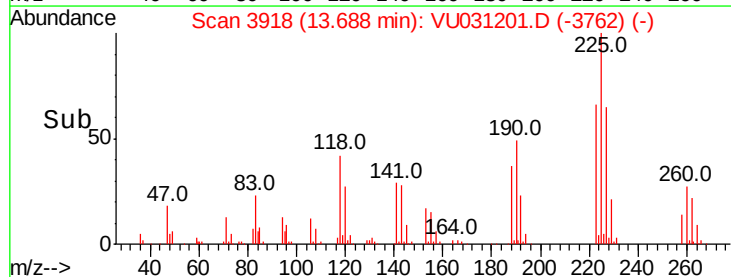
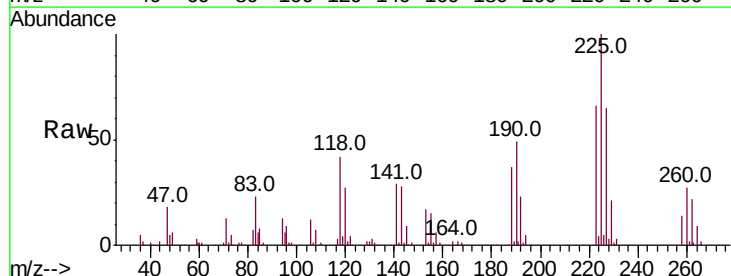
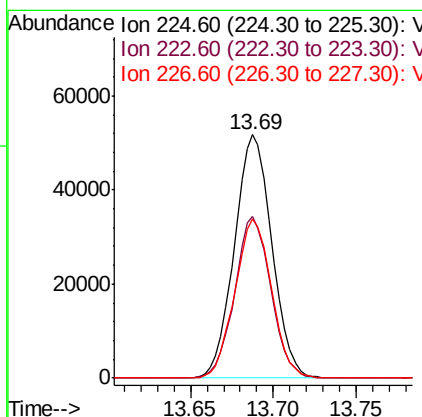
Manual Integrations
 APPROVED

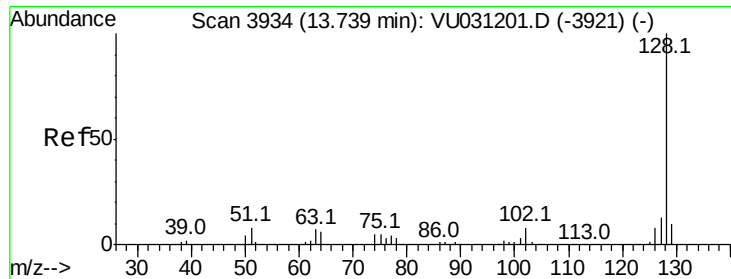
MMDadoda
 5/6/2019 1:41:11 PM



#88
 Hexachlorobutadiene
 Concen: 11.548 ug/l
 RT: 13.69 min Scan# 3918
 Delta R.T. 0.00 min
 Lab File: VU031201.D
 Acq: 15 Apr 2019 22:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	51.4	77.2
227	64.0	51.2	76.8





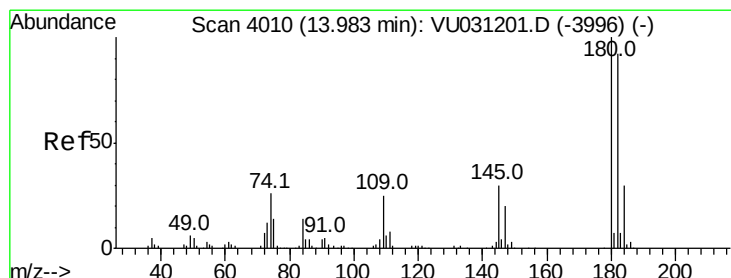
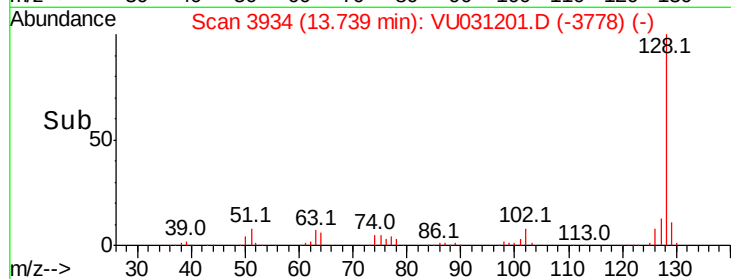
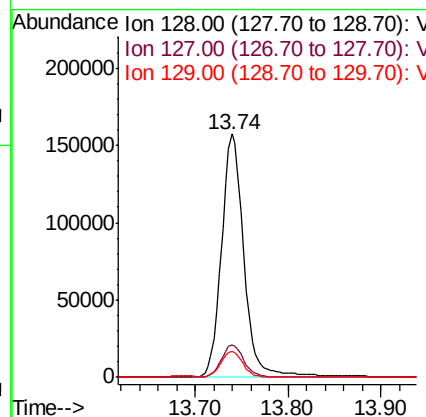
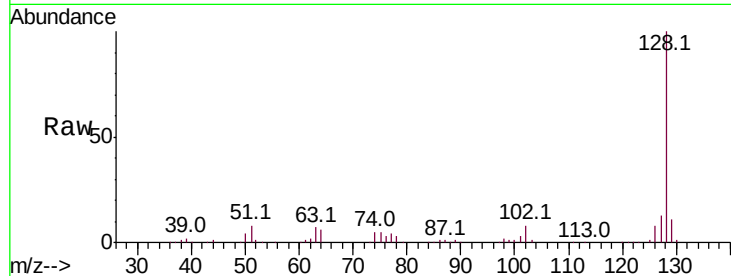
#89
Naphthalene
Concen: 12.851 ug/l
RT: 13.74 min Scan# 3934
Delta R.T. 0.00 min
Lab File: VU031201.D
Acq: 15 Apr 2019 22:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	11.0	16.4
129	10.4	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
5/6/2019 1:41:11 PM



#90
1,2,3-Trichlorobenzene
Concen: 11.838 ug/l
RT: 13.98 min Scan# 4010
Delta R.T. 0.00 min
Lab File: VU031201.D
Acq: 15 Apr 2019 22:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.4	114.6
145	31.6	25.3	37.9

