

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U033119\
 Data File : VU030575.D
 Acq On : 30 Mar 2019 15:58
 Operator : JC/SP
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 ICVVU033119

Manual Integrations
 APPROVED

MMDadoda
 4/5/2019 2:38:48 PM

Quant Time: Mar 31 01:25:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U033119DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Sun Mar 31 01:11:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	54631	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	21083	1.01	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	21201	1.10	ug/l	0.00
Spiked Amount 1.000			Recovery	=	110.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	167354	7.283	ug/l	100
3) Chloromethane	1.33	50	288881	9.730	ug/l	99
4) Vinyl Chloride	1.40	62	240683	9.382	ug/l	99
5) Bromomethane	1.62	94	97757	8.835	ug/l	99
6) Chloroethane	1.69	64	142272	9.616	ug/l	98
7) Trichlorofluoromethane	1.88	101	289333	10.268	ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	165277	11.547	ug/l	100
9) 1,1-Dichloroethene	2.28	96	166368	11.549	ug/l	96
10) Iodomethane	2.41	142	97464	7.130	ug/l	99
11) Allyl Chloride	2.59	41	340126	10.838	ug/l	98
12) Acrylonitrile	2.93	53	223848	54.712	ug/l	97
13) Acetone	2.32	43	292006	76.180	ug/l	99
14) Carbon Disulfide	2.47	76	572594	10.879	ug/l	100
15) Methylene Chloride	2.69	84	191705	10.493	ug/l	97
16) trans-1,2-Dichloroethene	2.97	96	178039	10.940	ug/l	98
17) 1,1-Dichloroethane	3.43	63	358884	10.861	ug/l	99
18) 2-Butanone	4.28	43	338121	68.231	ug/l	99
19) Cyclohexane	4.98	56	296076	10.621	ug/l	89
20) Methylcyclohexane	6.41	83	301509	12.327	ug/l	99
21) 2,2-Dichloropropane	4.22	77	283347	11.156	ug/l	99
22) cis-1,2-Dichloroethene	4.22	96	192414	11.010	ug/l	98
23) Diethyl Ether	2.10	59	143427	10.476	ug/l	99
24) tert-Butyl Alcohol	2.84	59	81719	57.658	ug/l	100
25) Methyl tert-Butyl Ether	3.00	73	461377	11.063	ug/l	98
26) Bromochloromethane	4.54	128	70676	10.327	ug/l	99
27) Chloroform	4.67	83	336298	10.894	ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	283442	11.123	ug/l	99
29) 1,1-Dichloropropene	5.13	75	253868	11.108	ug/l	99
30) Carbon Tetrachloride	5.13	117	241212	11.341	ug/l	99
31) Isopropyl Ether	3.58	45	644321	11.707	ug/l #	1
34) Propionitrile	4.33	54	166176	123.352	ug/l #	96
35) Benzene	5.38	78	763802	11.300	ug/l	99
36) 1,2-Dichloroethane	5.40	62	225960	10.944	ug/l	100
37) Trichloroethene	6.18	130	177287	10.933	ug/l	99
38) 1,2-Dichloropropane	6.43	63	210080	11.220	ug/l	98
39) Methacrylonitrile	4.55	41	73923	12.163	ug/l	96
40) Methyl acrylate	4.42	55	99769	12.004	ug/l #	95
41) Tetrahydrofuran	4.65	42	205298	59.551	ug/l	96
42) 1-Chlorobutane	5.06	56	388081	11.342	ug/l	98
43) Dibromomethane	6.56	93	95883	11.295	ug/l	99
44) Bromodichloromethane	6.75	83	250624	11.156	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU033119\
 Data File : VU030575.D
 Acq On : 30 Mar 2019 15:58
 Operator : JC/SP
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 ICVVU033119

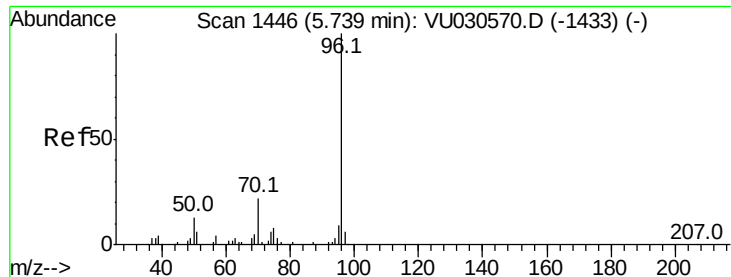
Manual Integrations
 APPROVED

MMDadoda
 4/5/2019 2:38:48 PM

Quant Time: Mar 31 01:25:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U033119DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Sun Mar 31 01:11:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.46	43	692459	59.320	ug/l	100
46) t-1,4-Dichloro-2-butene	10.51	75	42855m	11.440	ug/l	
47) Methyl methacrylate	6.62	69	92480	12.845	ug/l	98
48) Ethyl methacrylate	8.02	69	187396	13.275	ug/l	100
49) Toluene	7.63	92	443267	11.967	ug/l	100
50) t-1,3-Dichloropropene	7.88	75	240239	12.761	ug/l	97
51) cis-1,3-Dichloropropene	7.27	75	285413	12.191	ug/l	99
52) 1,1,2-Trichloroethane	8.06	97	133904	11.575	ug/l	97
53) 1,3-Dichloropropane	8.24	76	237611	11.231	ug/l	99
54) 2-Hexanone	8.36	43	537108	68.130	ug/l	99
55) Dibromochloromethane	8.47	129	150957	11.255	ug/l	99
56) 1,2-Dibromoethane	8.58	107	127118	11.844	ug/l	97
58) Tetrachloroethene	8.22	164	156094	10.763	ug/l	99
59) Chlorobenzene	9.12	112	469321	11.726	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	160144	10.798	ug/l	98
61) Pentachloroethane	11.10	117	130278	11.389	ug/l	95
62) Hexachloroethane	12.14	117	129418	13.000	ug/l	100
63) Ethyl Benzene	9.25	91	889911	12.525	ug/l	98
64) m/p-Xylenes	9.37	106	654866	25.198	ug/l	94
65) o-Xylene	9.77	106	304334	12.180	ug/l	98
66) Styrene	9.79	104	550048	13.062	ug/l	99
67) Bromoform	9.95	173	89294	12.155	ug/l	98
69) Isopropylbenzene	10.16	105	851504	12.524	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.45	83	179602	11.089	ug/l	100
71) 1,2,3-Trichloropropane	10.49	75	127751m	12.372	ug/l	
72) Bromobenzene	10.45	156	191619	11.746	ug/l	99
73) n-propylbenzene	10.58	120	220694	12.664	ug/l	97
74) 2-Chlorotoluene	10.66	126	191356	11.838	ug/l	99
75) 1,3,5-Trimethylbenzene	10.77	105	741949	12.982	ug/l	99
76) 4-Chlorotoluene	10.77	126	201902	12.287	ug/l	99
77) tert-Butylbenzene	11.10	119	665787	12.300	ug/l	99
78) 1,2,4-Trimethylbenzene	11.14	105	733717	12.950	ug/l	99
79) sec-Butylbenzene	11.32	105	859818	11.689	ug/l	99
80) Nitrobenzene	12.87	77	5627m	25.786	ug/l	
81) p-Isopropyltoluene	11.47	119	744823	13.183	ug/l	99
82) 1,3-Dichlorobenzene	11.41	146	366171	11.233	ug/l	100
83) 1,4-Dichlorobenzene	11.50	146	373446	11.431	ug/l	99
84) n-Butylbenzene	11.89	91	742653	13.590	ug/l	100
85) 1,2-Dichlorobenzene	11.88	146	338382	11.031	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.65	75	29188	12.288	ug/l	98
87) 1,2,4-Trichlorobenzene	13.50	180	240656	13.743	ug/l	99
88) Hexachlorobutadiene	13.69	225	136132	12.329	ug/l	98
89) Naphthalene	13.74	128	440267	14.401	ug/l	99
90) 1,2,3-Trichlorobenzene	13.98	180	223198	13.430	ug/l	99

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1445

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Instrument :

MSVOA_U

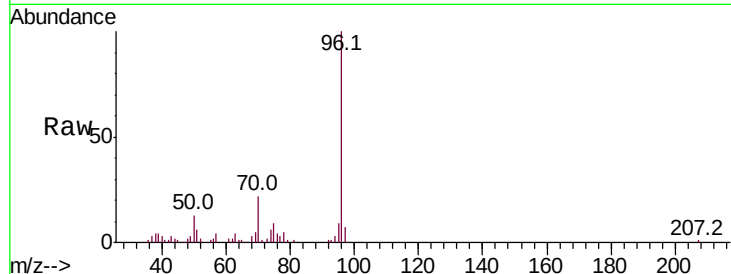
ClientSampleId :

ICVVU033119

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
70	22.0	15.6	23.4	
95	10.1	7.3	10.9	
97	0.0	0.0	0.0	

Manual Integrations
APPROVED

MMDadoda
4/5/2019 2:38:48 PM

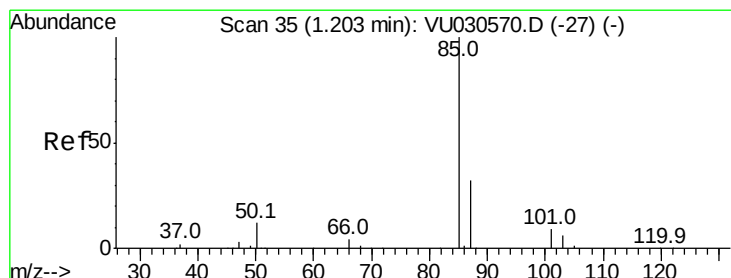
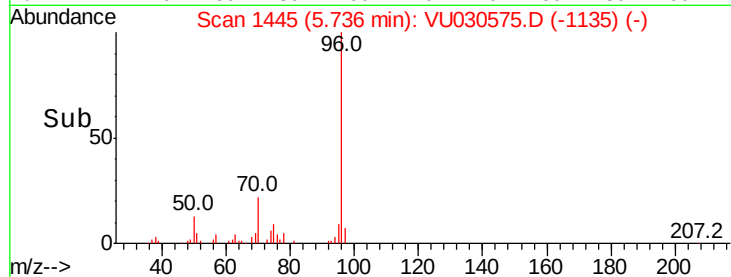
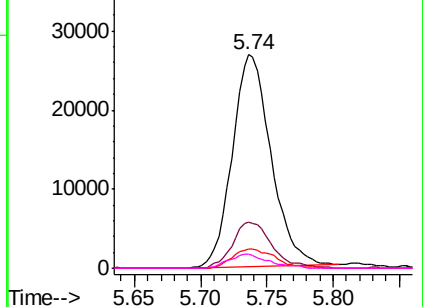


Abundance Ion 96.00 (95.70 to 96.70): VU030575.D (-1135) (-)

Ion 70.00 (69.70 to 70.70): VU030575.D (-1135) (-)

Ion 95.00 (94.70 to 95.70): VU030575.D (-1135) (-)

Ion 97.00 (96.70 to 97.70): VU030575.D (-1135) (-)



#2

Dichlorodifluoromethane

Concen: 7.283 ug/l

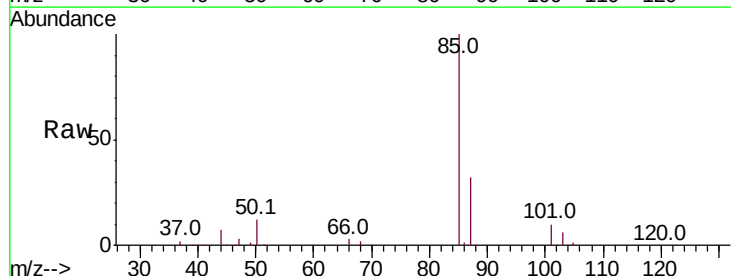
RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU030575.D

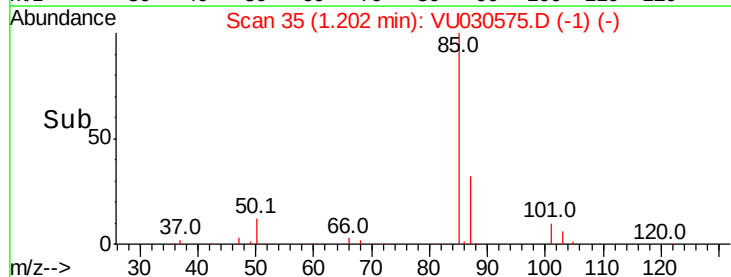
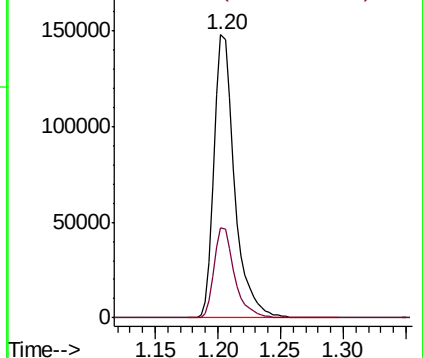
Acq: 30 Mar 2019 15:58

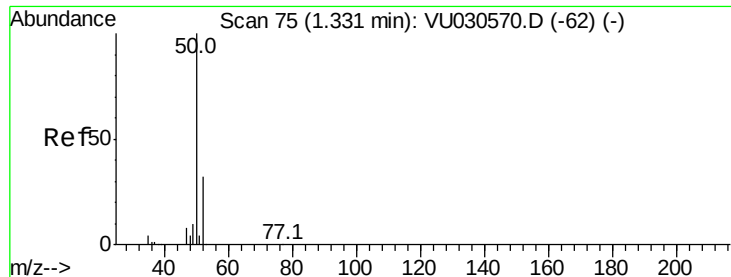
Tgt Ion	Ion	Ratio	Lower	Upper
85	100			
87	31.8	15.9	47.6	



Abundance Ion 85.00 (84.70 to 85.70): VU030575.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU030575.D (-1) (-)





#3

Chloromethane

Concen: 9.730 ug/l

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Instrument :

MSVOA_U

ClientSampleId :

ICVVU033119

Tot Ion: 50 Resp: 288881

Ion Ratio Lower Upper

50 100

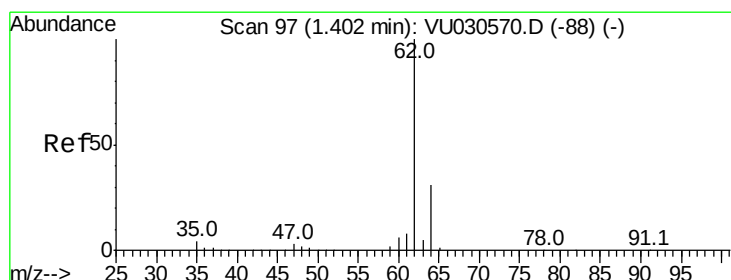
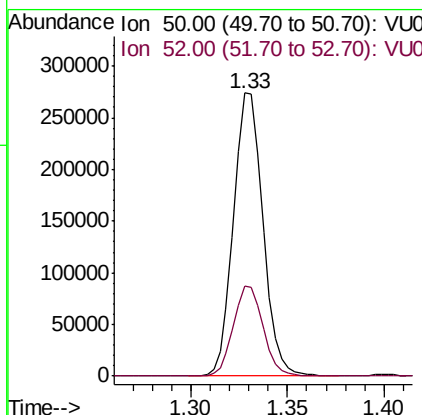
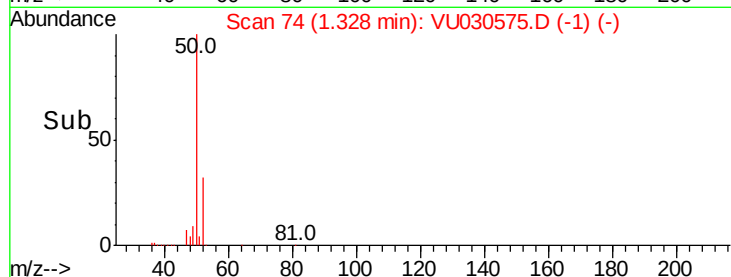
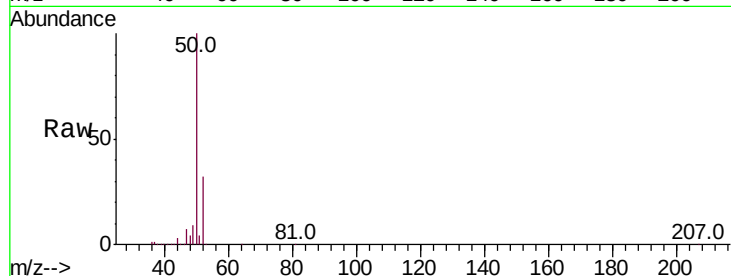
52 31.7 25.8 38.8

Manual Integrations

APPROVED

MMDadoda

4/5/2019 2:38:48 PM



#4

Vinyl Chloride

Concen: 9.382 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU030575.D

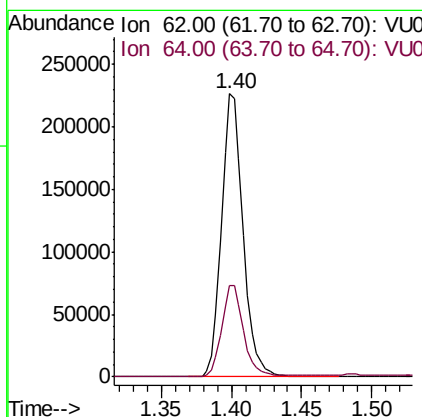
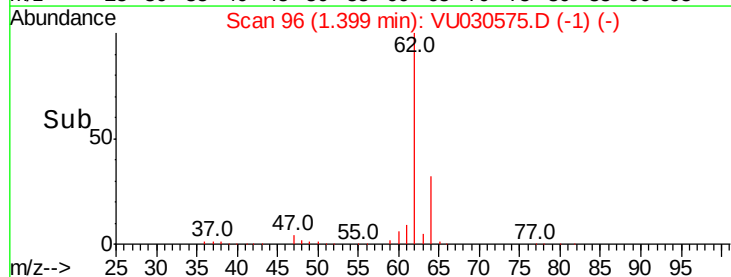
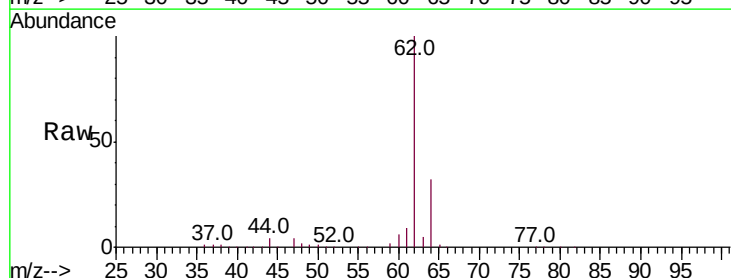
Acq: 30 Mar 2019 15:58

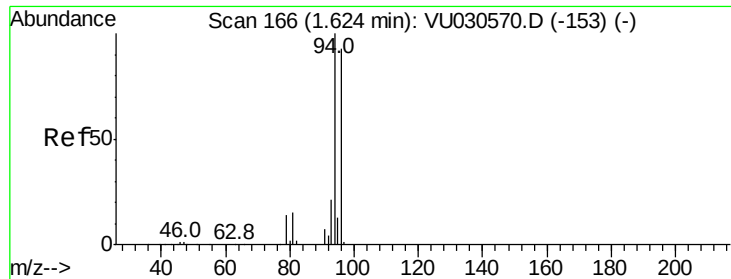
Tgt Ion: 62 Resp: 240683

Ion Ratio Lower Upper

62 100

64 32.1 25.1 37.7





#5

Bromomethane

Concen: 8.835 ug/l

RT: 1.62 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Instrument :

MSVOA_U

ClientSampleId :

ICVVU033119

Tot Ion: 94 Resp: 97757

Ion Ratio Lower Upper

94 100

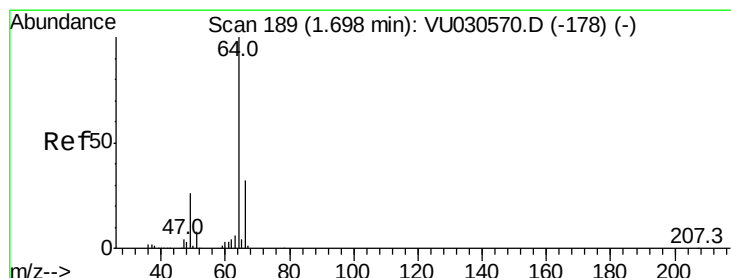
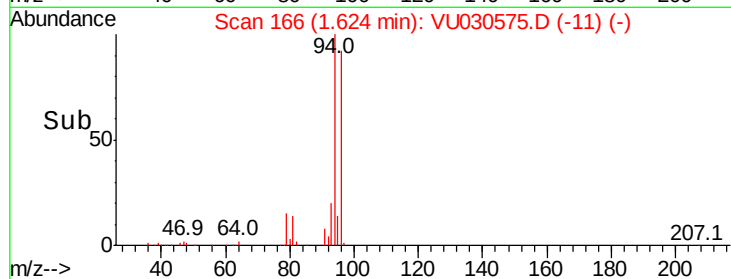
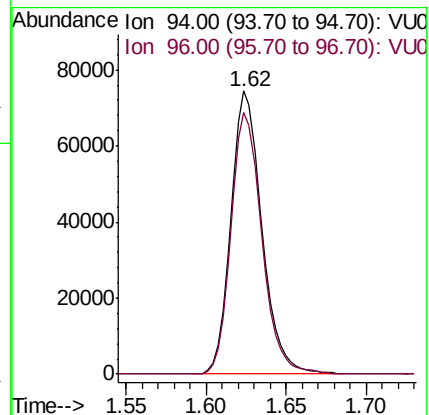
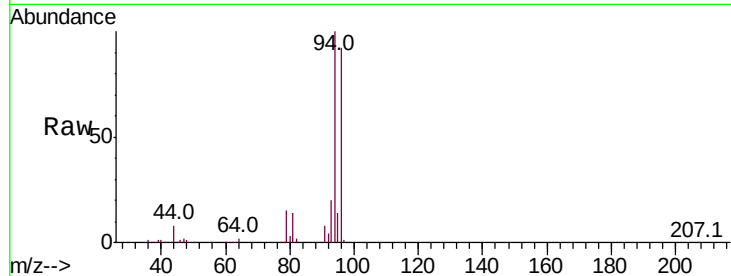
96 92.4 74.8 112.2

Manual Integrations

APPROVED

MMDadoda

4/5/2019 2:38:48 PM



#6

Chloroethane

Concen: 9.616 ug/l

RT: 1.69 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU030575.D

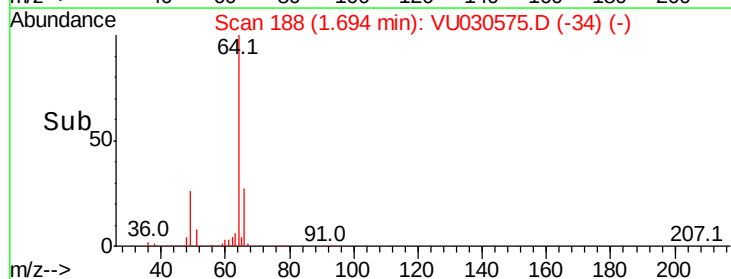
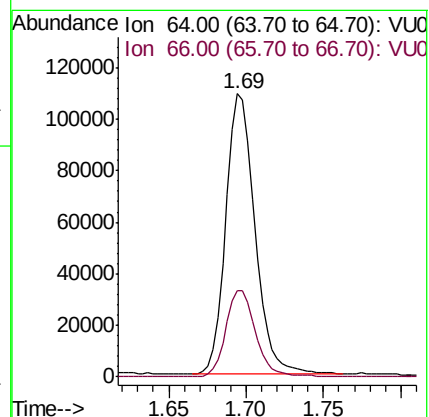
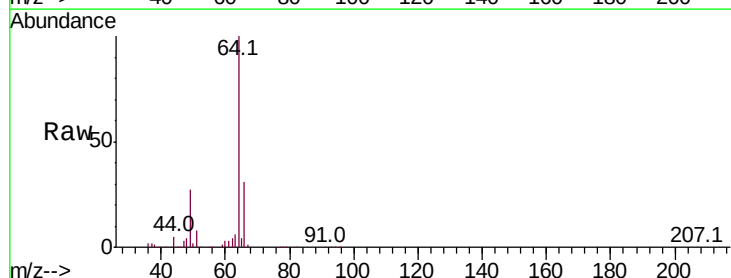
Acq: 30 Mar 2019 15:58

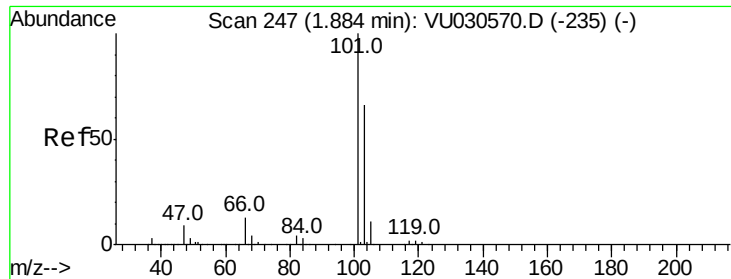
Tgt Ion: 64 Resp: 142272

Ion Ratio Lower Upper

64 100

66 30.9 25.5 38.3





#7

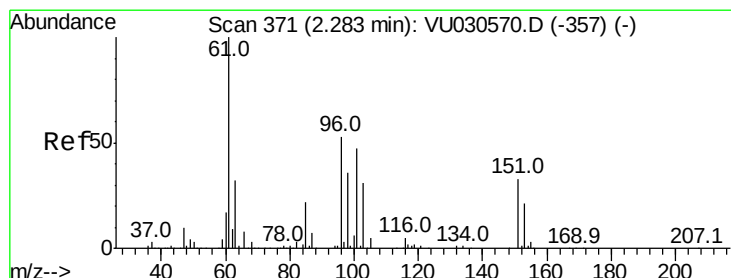
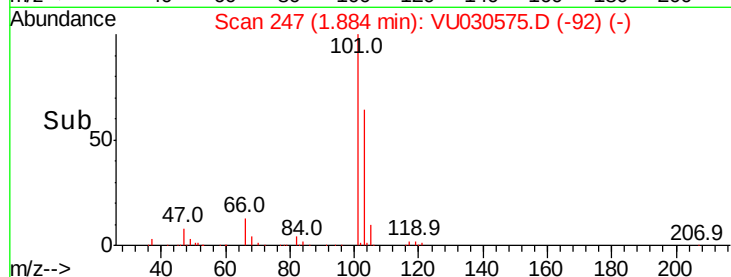
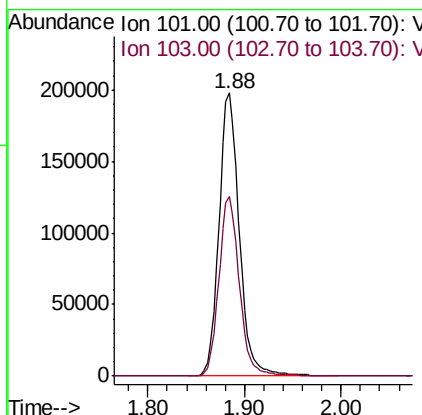
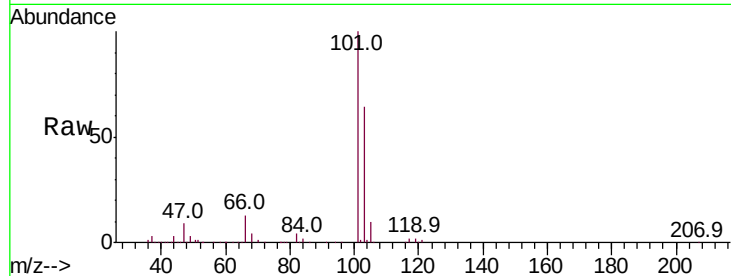
Trichlorofluoromethane
Concen: 10.268 ug/l
RT: 1.88 min Scan# 247
Delta R.T. -0.00 min
Lab File: VU030575.D
Acq: 30 Mar 2019 15:58

Instrument :
MSVOA_U
ClientSampleId :
ICVVU033119

Tot Ion	Ratio	Resp	Lower	Upper
101	100	289333		
103	63.5	52.6	79.0	

Manual Integrations
APPROVED

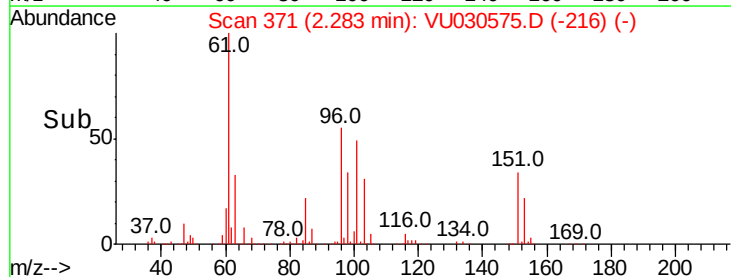
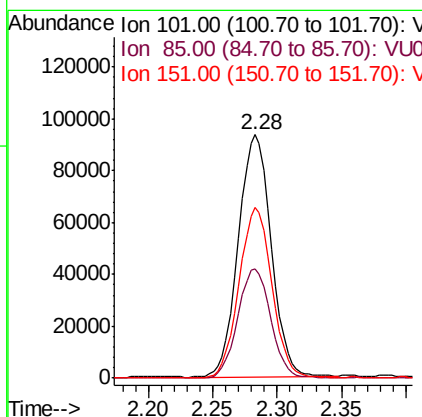
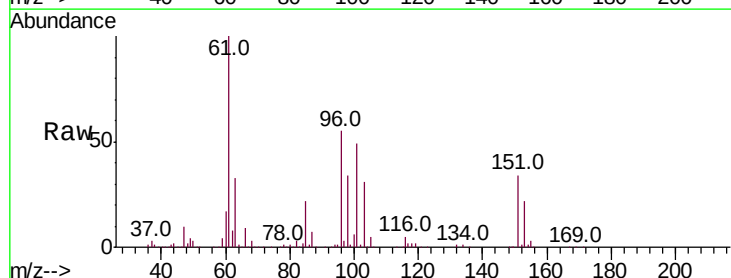
MMDadoda
4/5/2019 2:38:48 PM

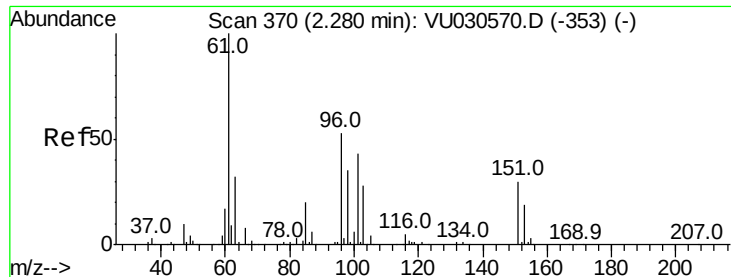


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 11.547 ug/l
RT: 2.28 min Scan# 371
Delta R.T. -0.00 min
Lab File: VU030575.D
Acq: 30 Mar 2019 15:58

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	165277		
85	45.0	36.5	54.7	
151	70.5	56.5	84.7	





#9

1,1-Dichloroethene

Concen: 11.549 ug/l

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Instrument :

MSVOA_U

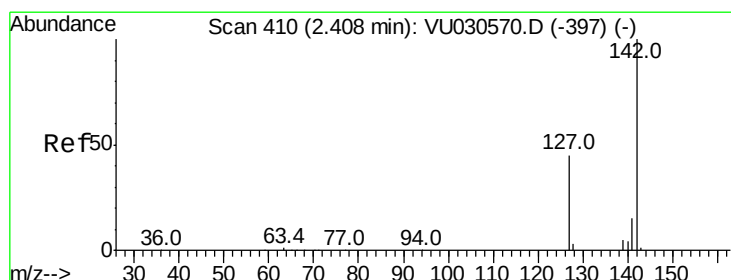
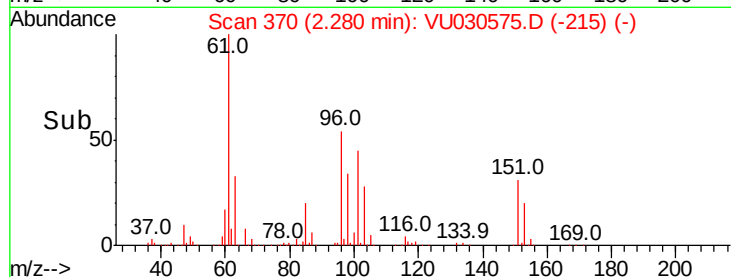
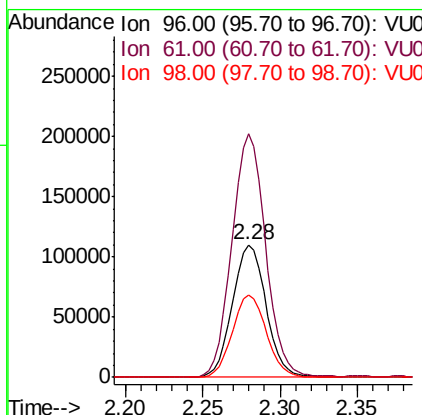
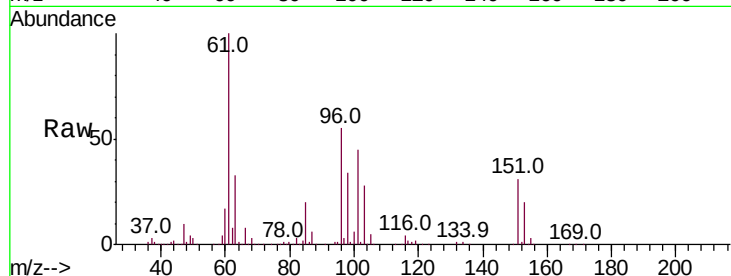
ClientSampleId :

ICVVU033119

Tot Ion:	96	Resp:	166368
Ion	Ratio	Lower	Upper
96	100		
61	183.2	0.0	567.0
98	62.4	0.0	132.2

Manual Integrations
APPROVED

MMDadoda
4/5/2019 2:38:48 PM



#10

Iodomethane

Concen: 7.130 ug/l

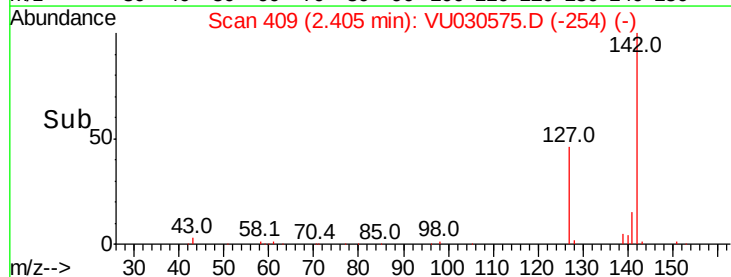
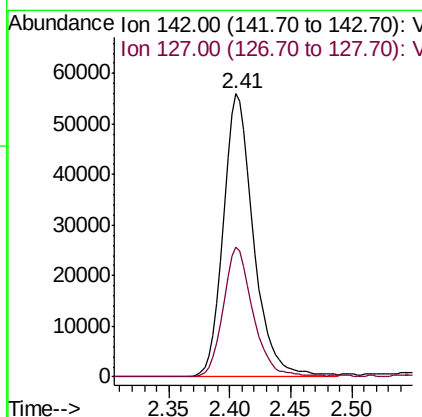
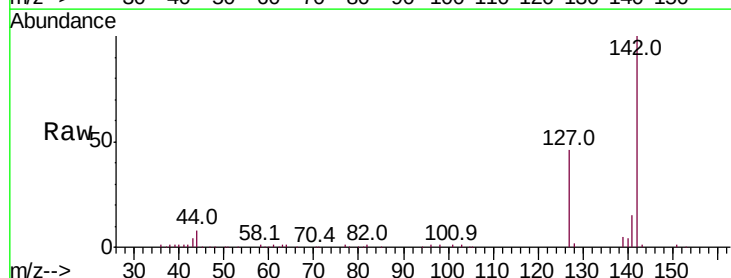
RT: 2.41 min Scan# 409

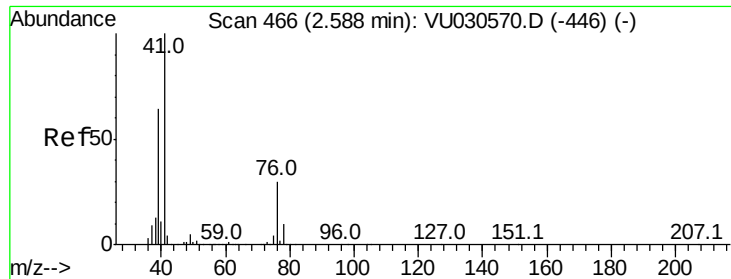
Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Tgt Ion:	142	Resp:	97464
Ion	Ratio	Lower	Upper
142	100		
127	45.1	36.8	55.2





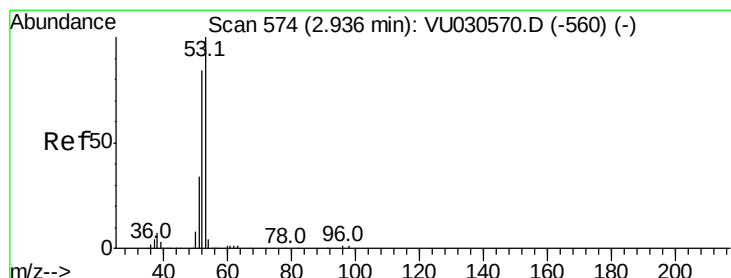
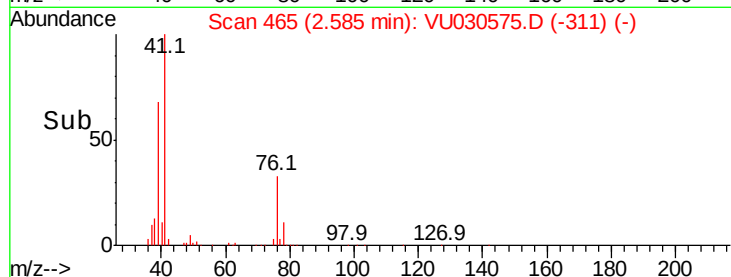
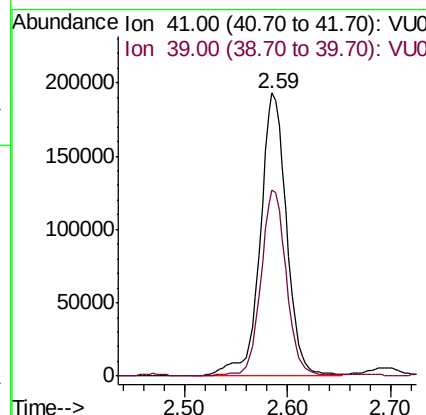
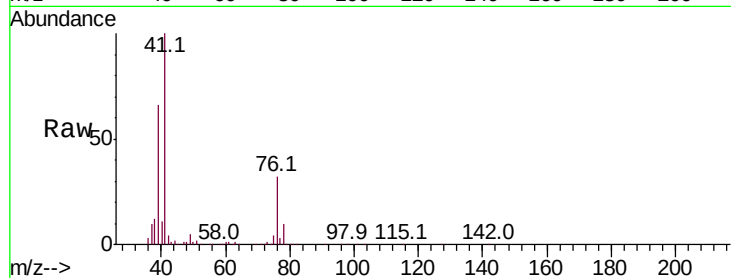
#11
 Allvl Chloride
 Concen: 10.838 ug/l
 RT: 2.59 min Scan# 465
 Delta R.T. -0.00 min
 Lab File: VU030575.D
 Acq: 30 Mar 2019 15:58

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU033119

Tot Ion: 41 Resp: 340126
 Ion Ratio Lower Upper
 41 100
 39 62.8 51.8 77.6

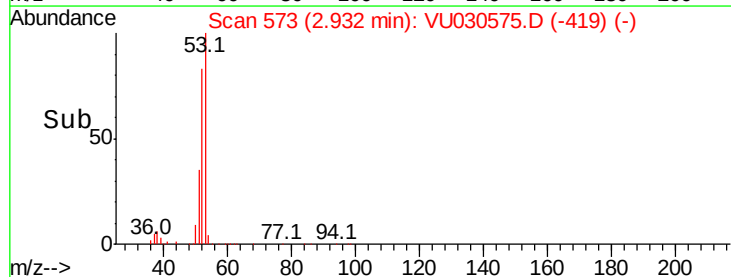
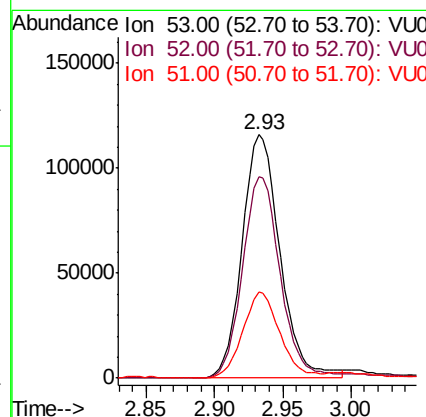
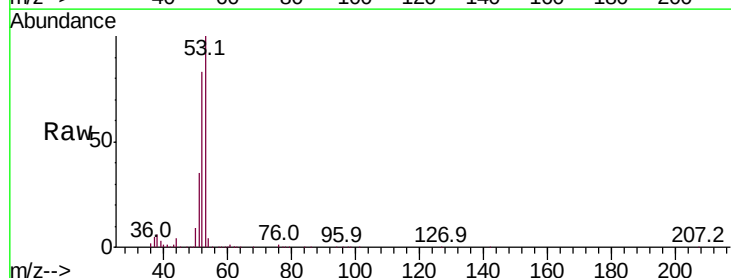
Manual Integrations
 APPROVED

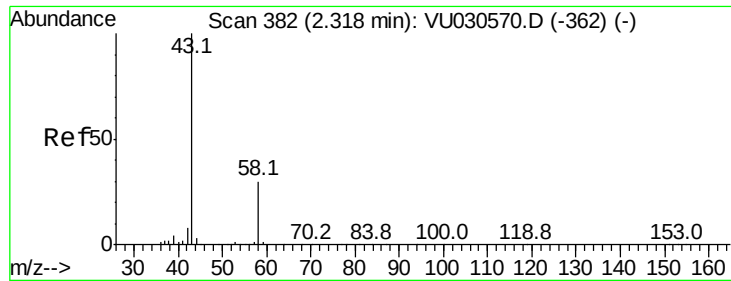
MMDadoda
 4/5/2019 2:38:48 PM



#12
 Acrylonitrile
 Concen: 54.712 ug/l
 RT: 2.93 min Scan# 573
 Delta R.T. -0.00 min
 Lab File: VU030575.D
 Acq: 30 Mar 2019 15:58

Tgt Ion: 53 Resp: 223848
 Ion Ratio Lower Upper
 53 100
 52 82.5 69.1 103.7
 51 34.4 27.9 41.9





#13

Acetone

Concen: 76.180 ug/l

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Instrument :

MSVOA_U

ClientSampleId :

ICVVU033119

Tot Ion: 43 Resp: 292006

Ion Ratio Lower Upper

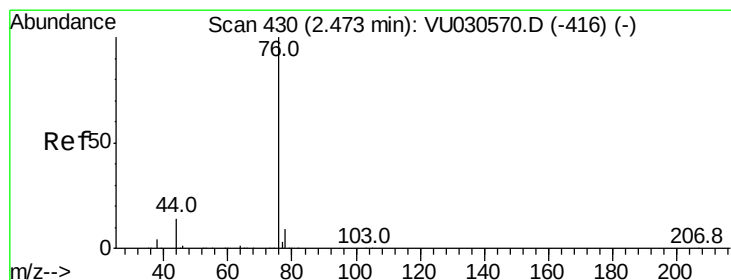
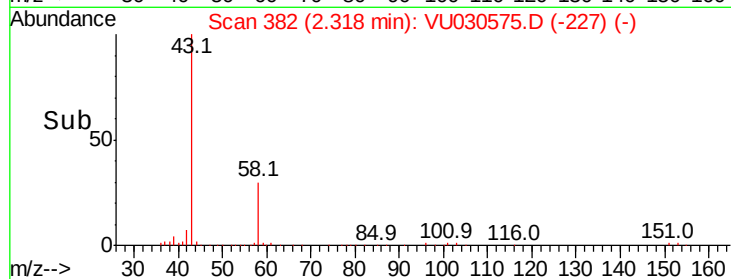
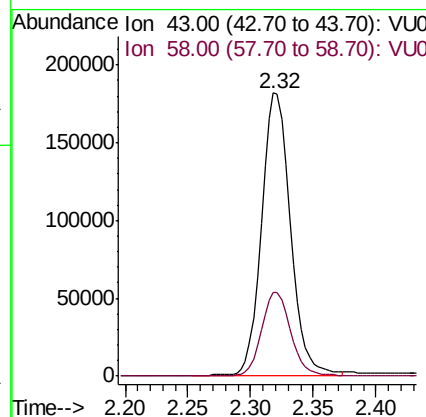
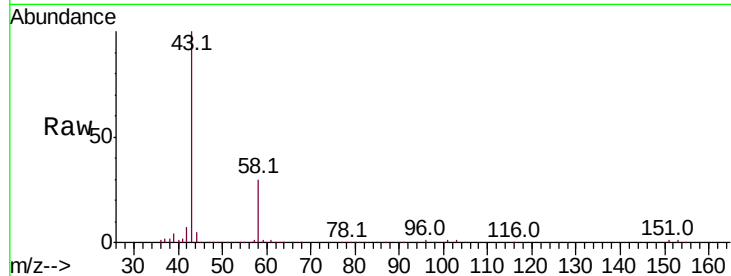
43 100

58 29.7 24.2 36.4

Manual Integrations
APPROVED

MMDadoda

4/5/2019 2:38:48 PM



#14

Carbon Disulfide

Concen: 10.879 ug/l

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VU030575.D

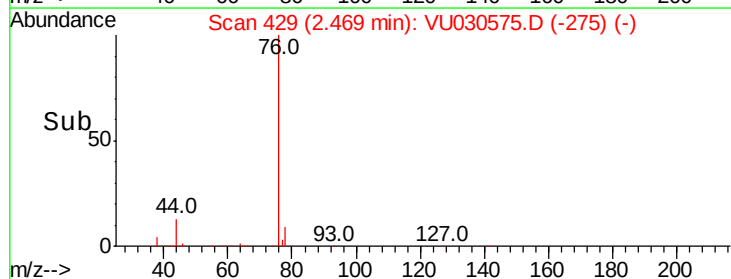
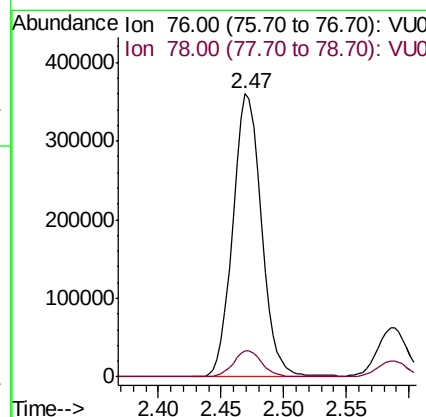
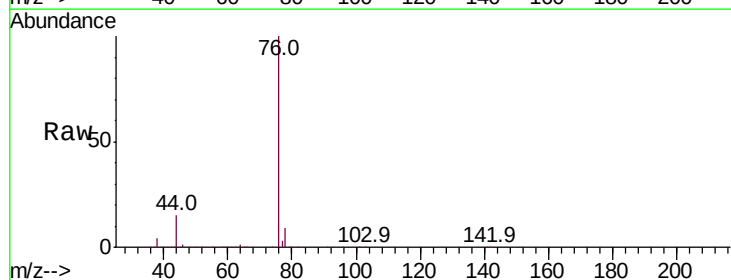
Acq: 30 Mar 2019 15:58

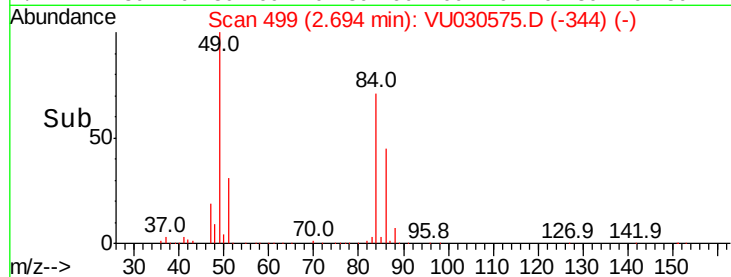
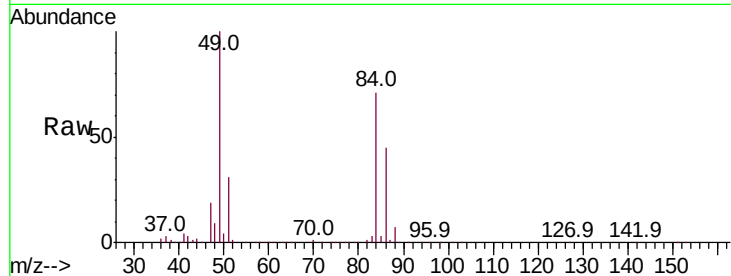
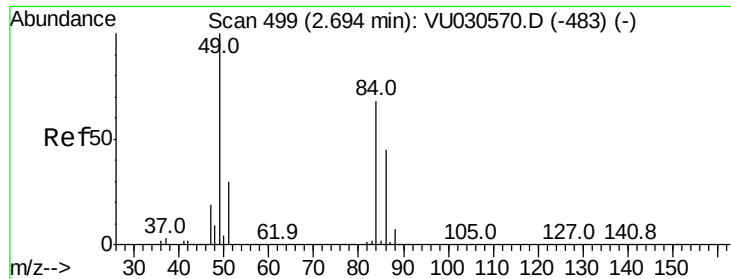
Tgt Ion: 76 Resp: 572594

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9





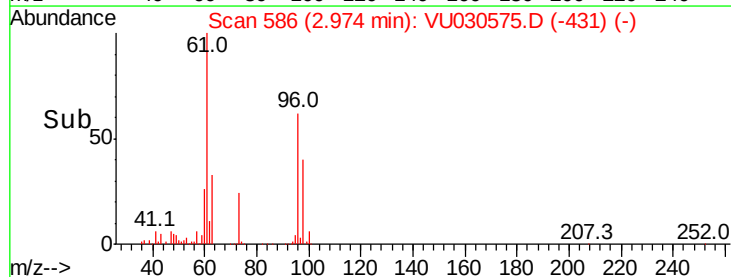
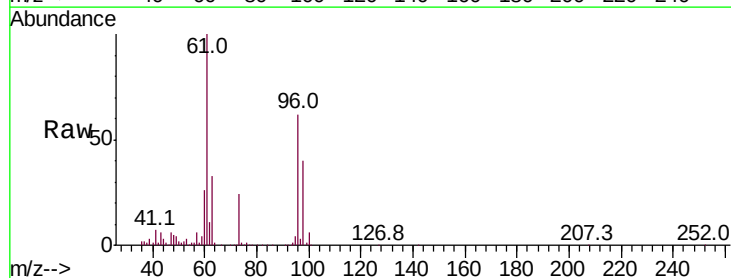
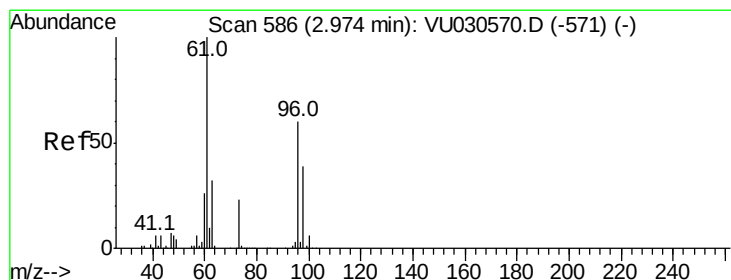
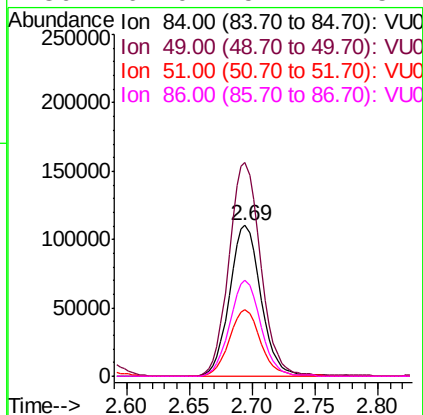
#15
Methylene Chloride
Concen: 10.493 ug/l
RT: 2.69 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU030575.D
Acq: 30 Mar 2019 15:58

Tot Ion	84	Resp	191705
Ion Ratio	Lower	Upper	
84	100		
49	141.5	117.0	175.6
51	43.9	0.0	88.6
86	64.0	52.2	78.2

Instrument :
MSVOA_U
ClientSampleId :
ICVVU033119

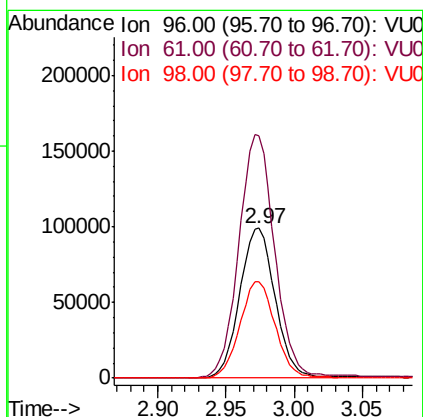
Manual Integrations
APPROVED

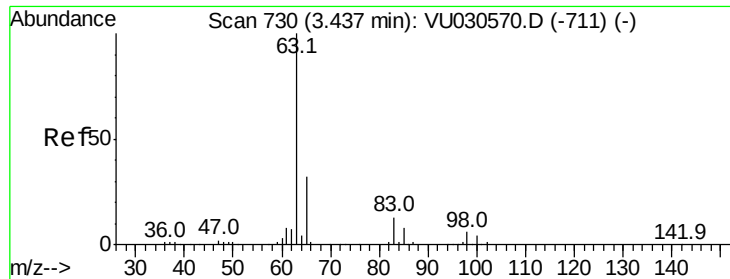
MMDadoda
4/5/2019 2:38:48 PM



#16
trans-1,2-Dichloroethene
Concen: 10.940 ug/l
RT: 2.97 min Scan# 586
Delta R.T. -0.00 min
Lab File: VU030575.D
Acq: 30 Mar 2019 15:58

Tgt Ion	96	Resp	178039
Ion Ratio	Lower	Upper	
96	100		
61	161.9	132.3	198.5
98	64.7	51.3	76.9





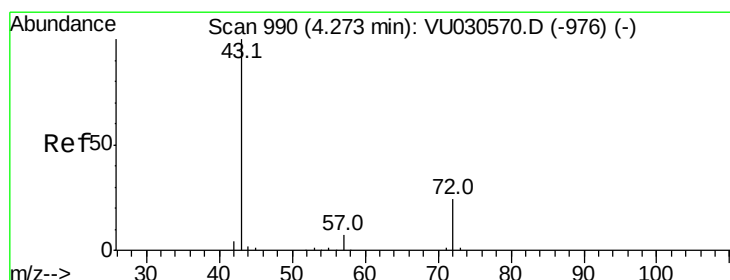
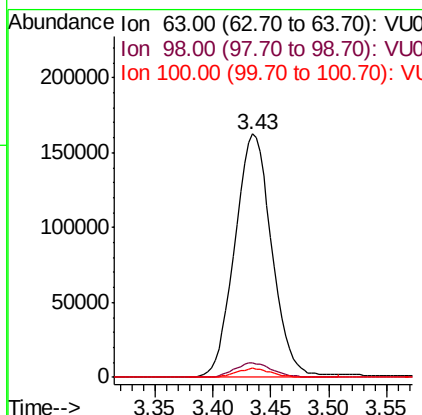
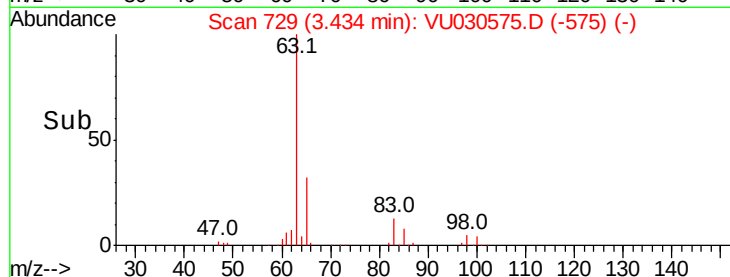
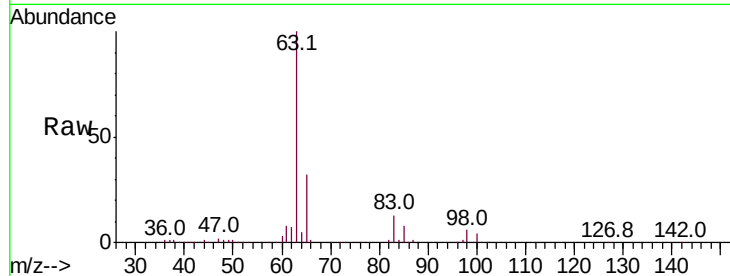
#17
 1,1-Dichloroethane
 Concen: 10.861 ug/l
 RT: 3.43 min Scan# 729
 Delta R.T. -0.00 min
 Lab File: VU030575.D
 Acq: 30 Mar 2019 15:58

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU033119

Tot Ion	Ratio	Lower	Upper
63	100		
98	5.7	3.0	9.0
100	3.6	1.8	5.5

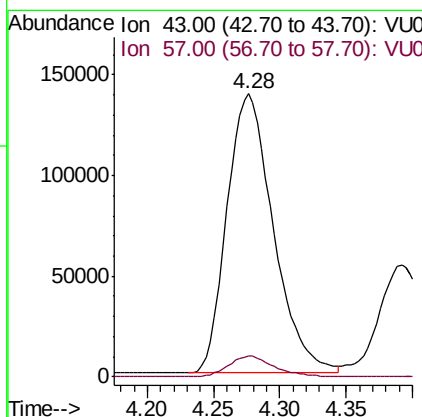
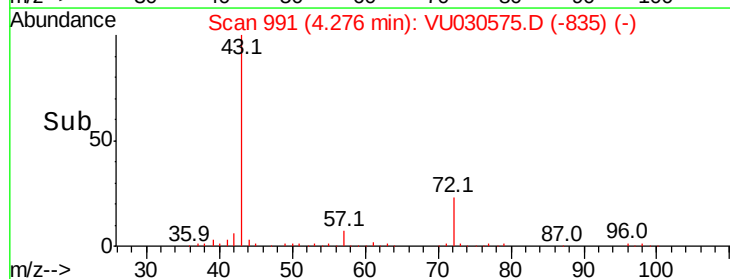
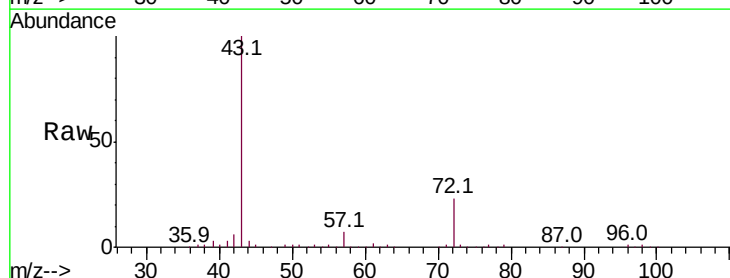
Manual Integrations
 APPROVED

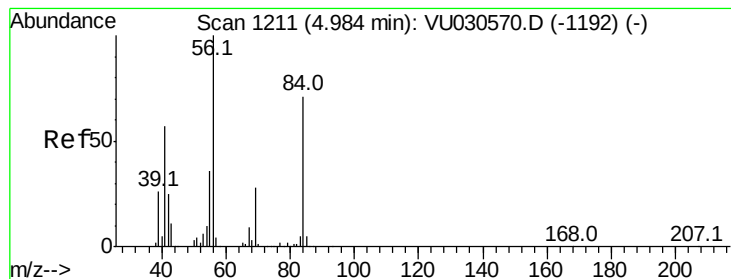
MMDadoda
 4/5/2019 2:38:48 PM



#18
 2-Butanone
 Concen: 68.231 ug/l
 RT: 4.28 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VU030575.D
 Acq: 30 Mar 2019 15:58

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.5	0.0	14.4





#19

Cyclohexane

Concen: 10.621 ug/l

RT: 4.98 min Scan# 1211

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Instrument :

MSVOA_U

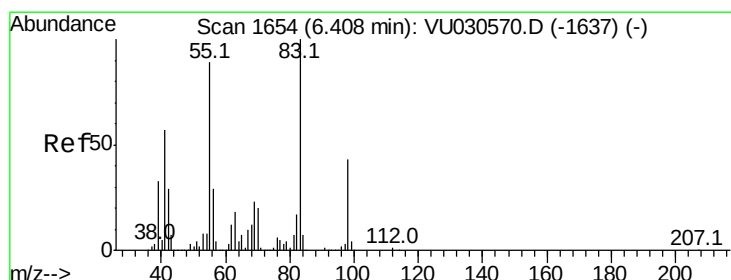
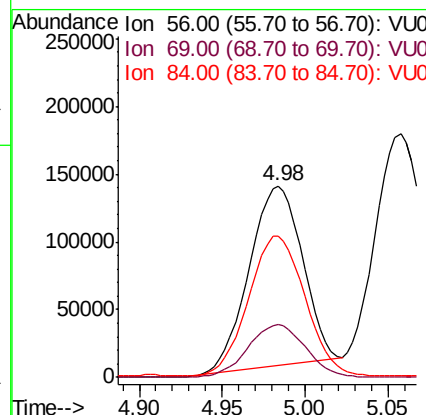
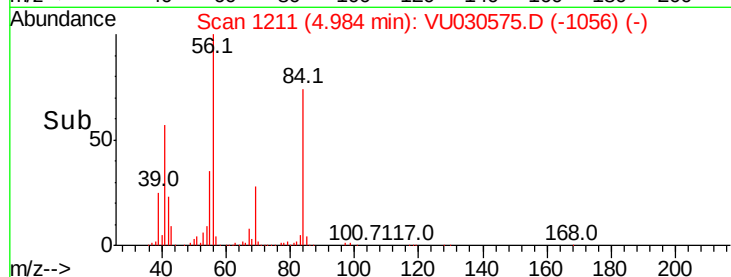
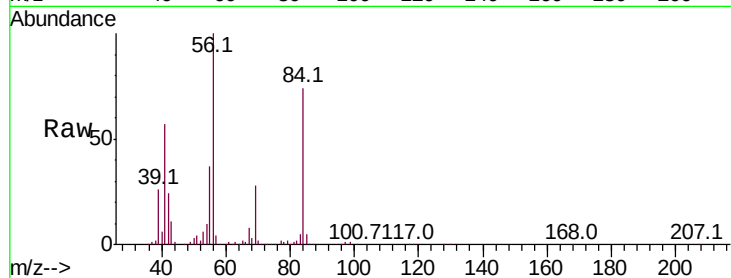
ClientSampleId :

ICVVU033119

Tot Ion:	56	Resp:	296076
Ion Ratio	Lower	Upper	
56	100		
69	31.6	22.3	33.5
84	82.5	57.6	86.4

Manual Integrations
APPROVED

MMDadoda
4/5/2019 2:38:48 PM



#20

Methylcyclohexane

Concen: 12.327 ug/l

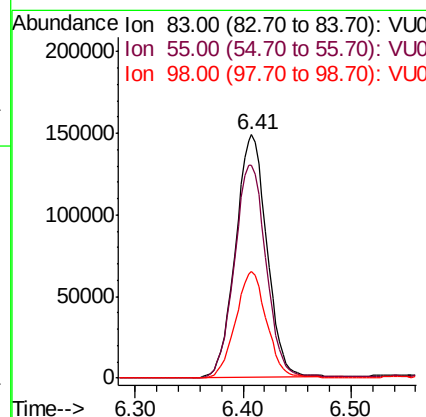
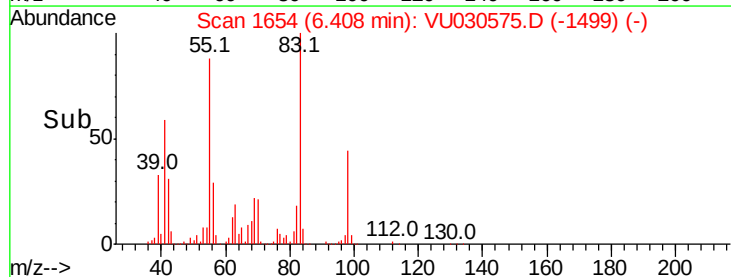
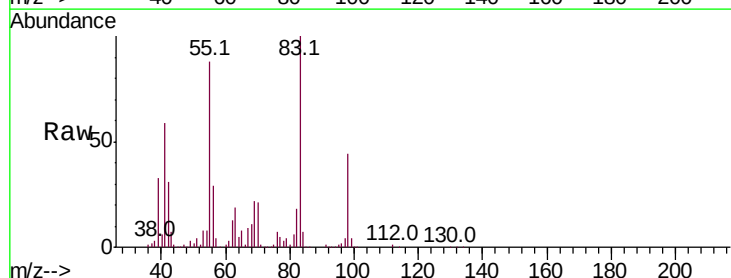
RT: 6.41 min Scan# 1654

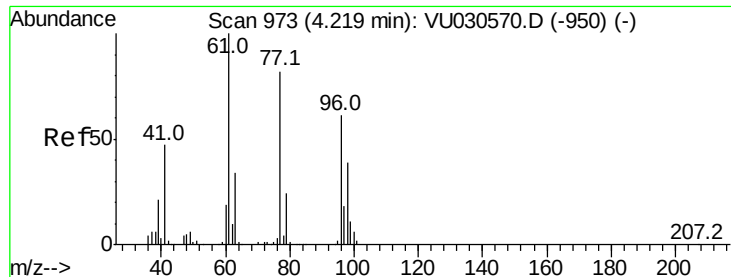
Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Tgt Ion:	83	Resp:	301509
Ion Ratio	Lower	Upper	
83	100		
55	88.7	72.0	108.0
98	43.4	35.0	52.4





#21

2,2-Dichloropropane

Concen: 11.156 ug/l

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Instrument :

MSVOA_U

ClientSampleId :

ICVVU033119

Tot Ion: 77 Resp: 283347

Ion Ratio Lower Upper

77 100

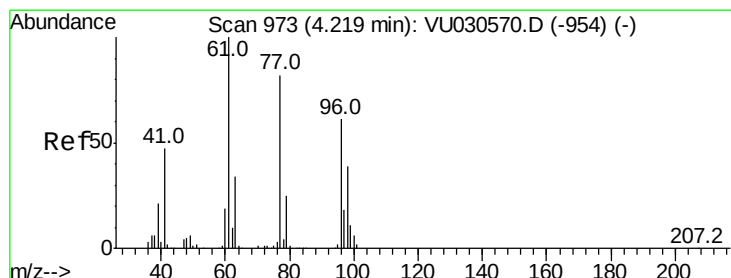
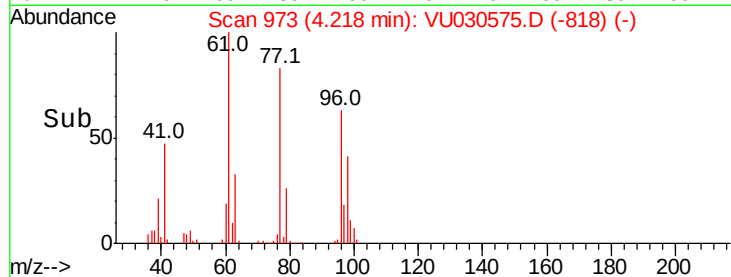
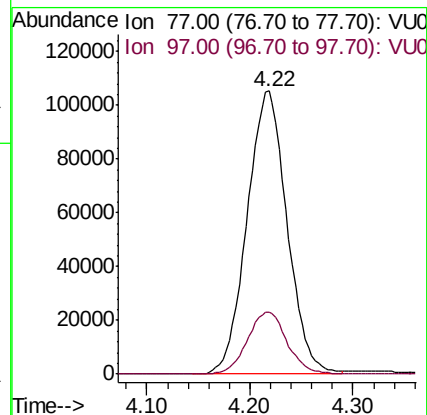
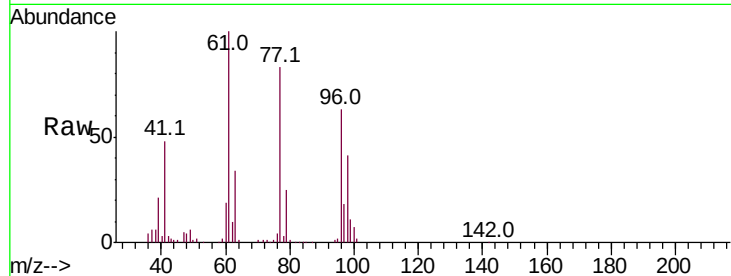
97 21.6 17.6 26.4

Manual Integrations

APPROVED

MMDadoda

4/5/2019 2:38:48 PM



#22

cis-1,2-Dichloroethene

Concen: 11.010 ug/l

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

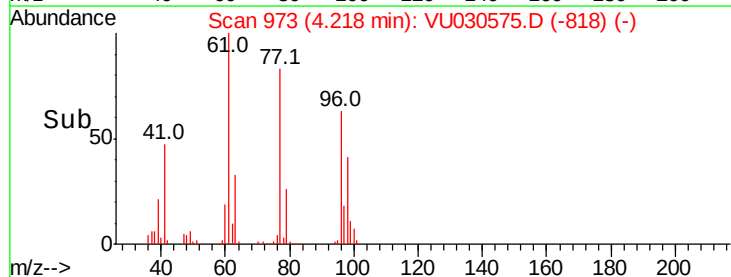
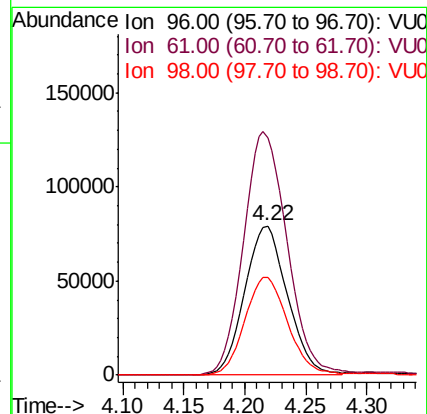
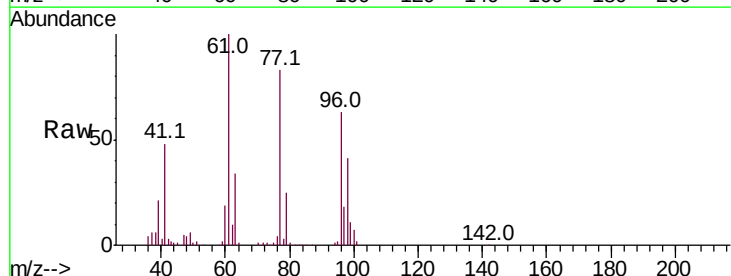
Tgt Ion: 96 Resp: 192414

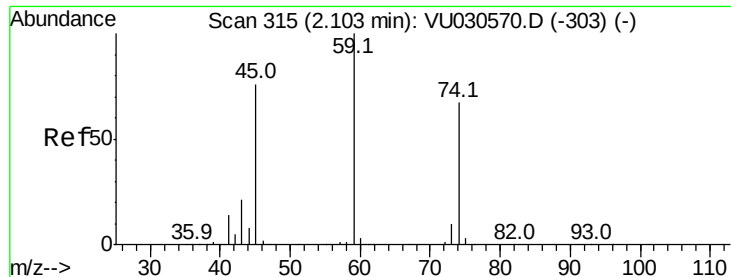
Ion Ratio Lower Upper

96 100

61 166.9 0.0 427.0

98 66.1 32.5 97.4





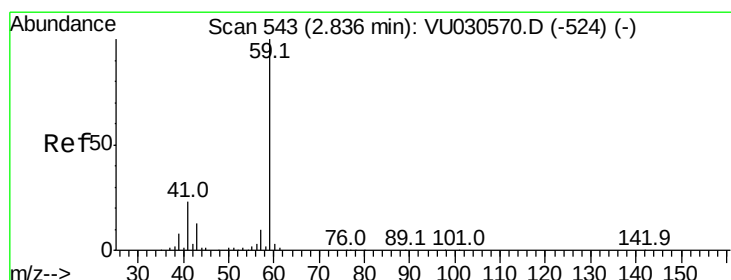
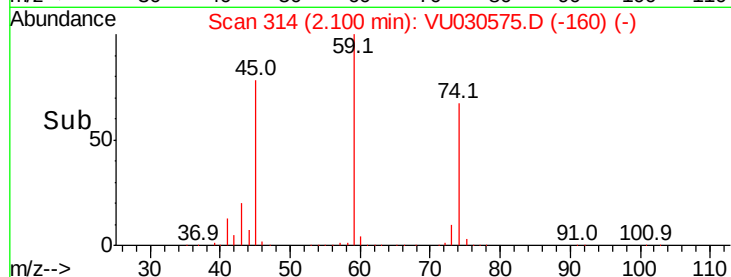
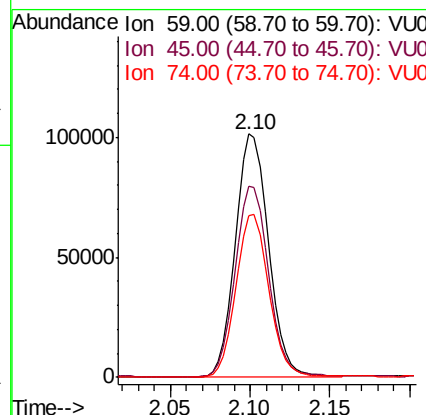
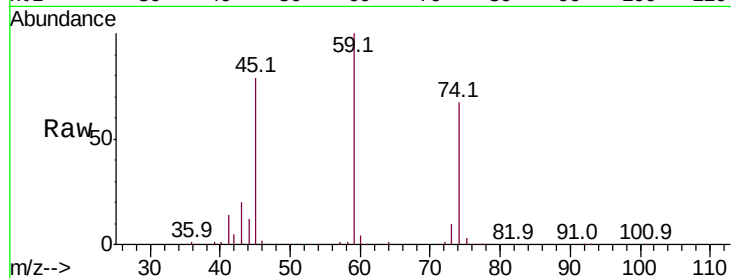
#23
Diethyl Ether
Concen: 10.476 ug/l
RT: 2.10 min Scan# 314
Delta R.T. -0.00 min
Lab File: VU030575.D
Acq: 30 Mar 2019 15:58

Instrument :
MSVOA_U
ClientSampleId :
ICVVU033119

Tot Ion	Ratio	Lower	Upper
59	100		
45	79.4	61.6	92.4
74	66.5	53.2	79.8

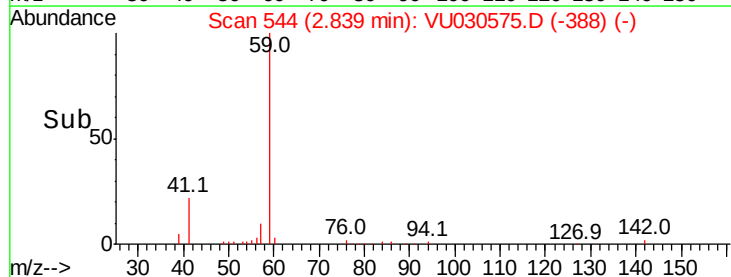
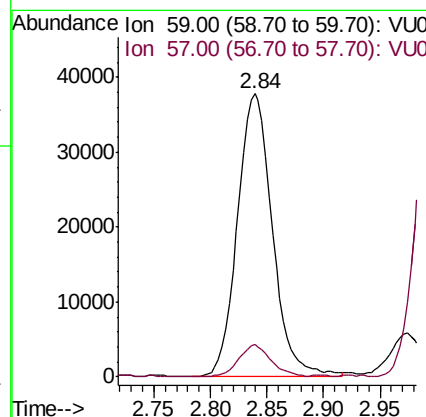
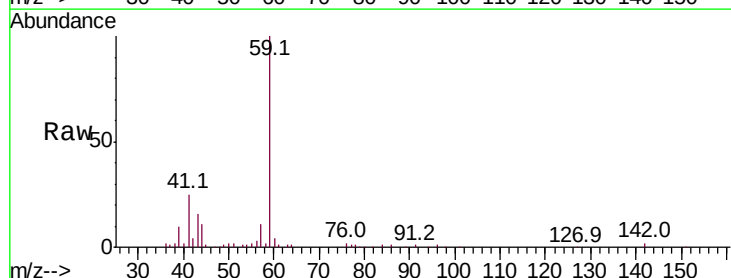
Manual Integrations
APPROVED

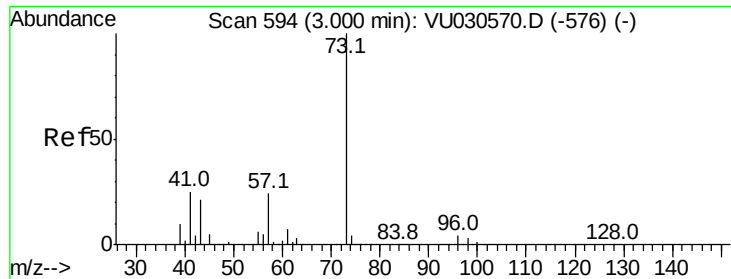
MMDadoda
4/5/2019 2:38:48 PM



#24
tert-Butyl Alcohol
Concen: 57.658 ug/l
RT: 2.84 min Scan# 544
Delta R.T. 0.00 min
Lab File: VU030575.D
Acq: 30 Mar 2019 15:58

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.4	12.6





#25

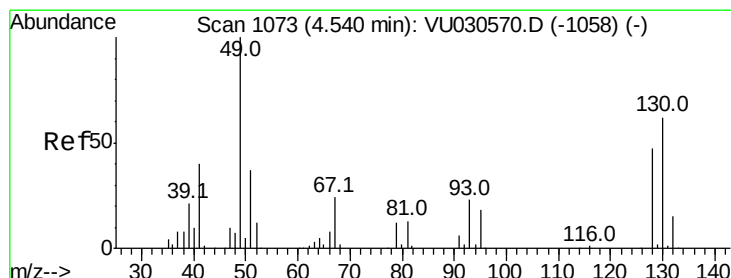
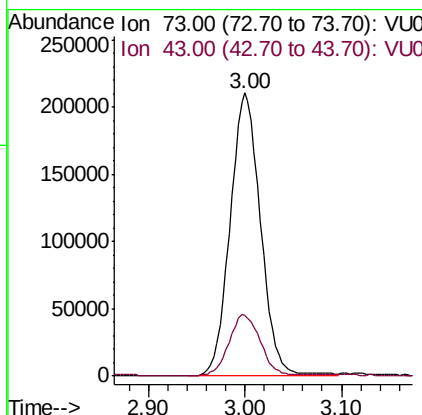
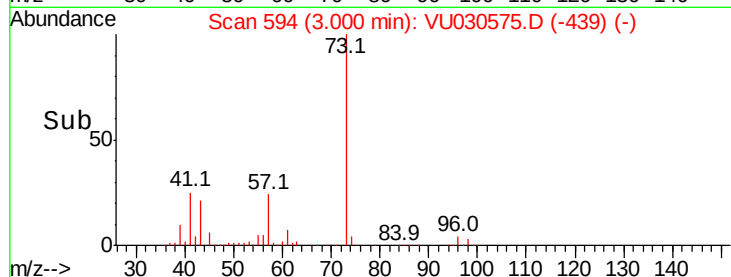
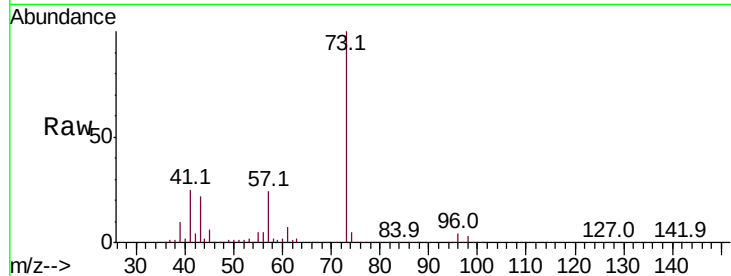
Methyl tert-Butyl Ether
 Concen: 11.063 ug/l
 RT: 3.00 min Scan# 594
 Delta R.T. -0.00 min
 Lab File: VU030575.D
 Acq: 30 Mar 2019 15:58

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU033119

Tot Ion	73	Resp	461377
Ion Ratio	100	Lower	Upper
73	100		
43	21.8	16.6	24.8

Manual Integrations
 APPROVED

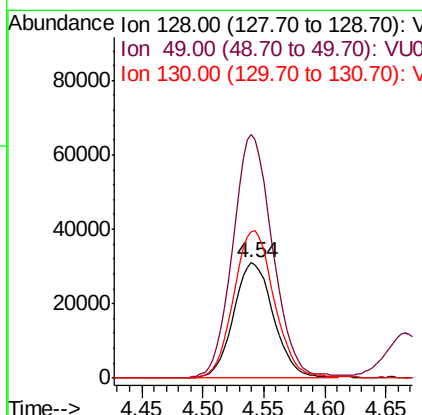
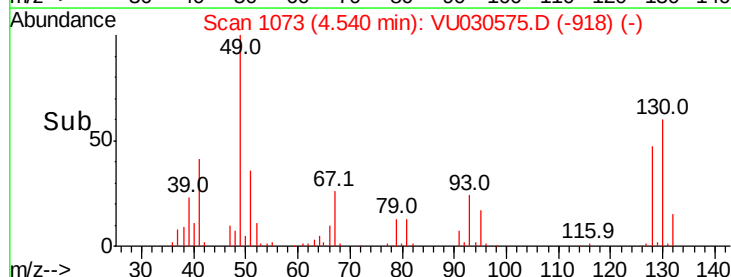
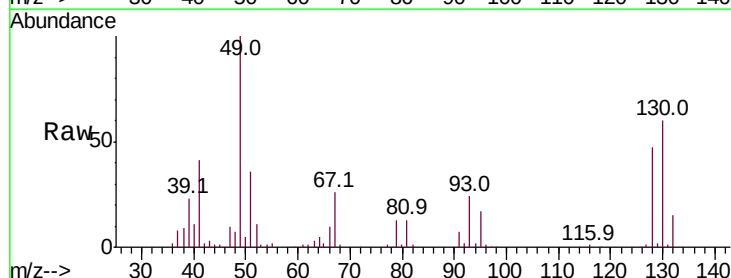
MMDadoda
 4/5/2019 2:38:48 PM

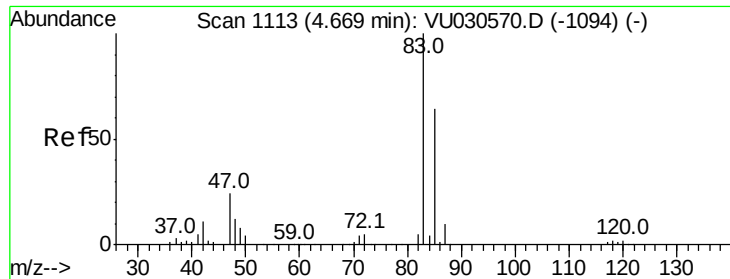


#26

Bromochloromethane
 Concen: 10.327 ug/l
 RT: 4.54 min Scan# 1073
 Delta R.T. -0.00 min
 Lab File: VU030575.D
 Acq: 30 Mar 2019 15:58

Tgt Ion	128	Resp	70676
Ion Ratio	100	Lower	Upper
128	100		
49	210.6	0.0	418.2
130	129.4	103.4	155.0





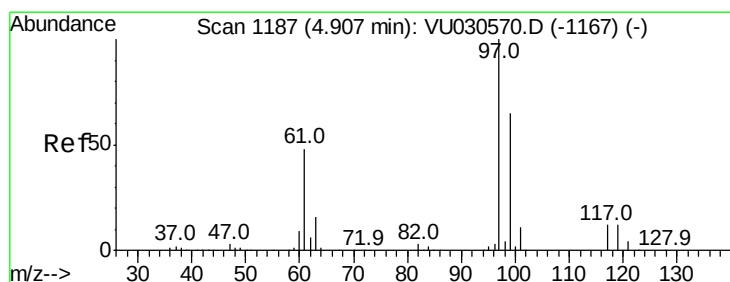
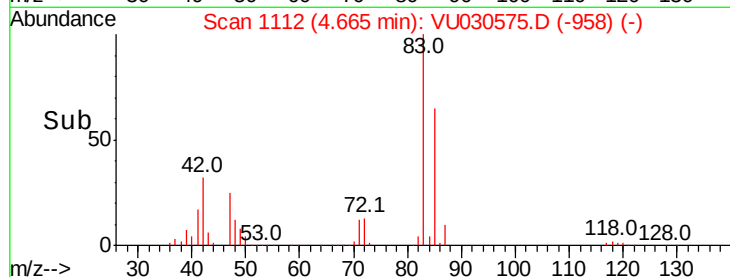
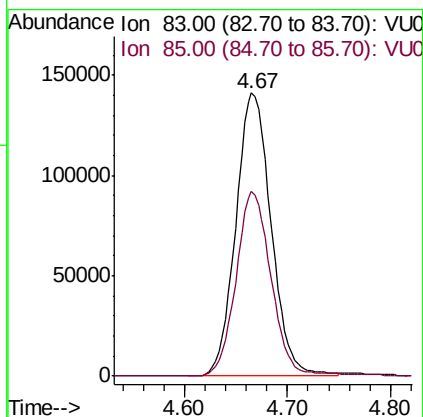
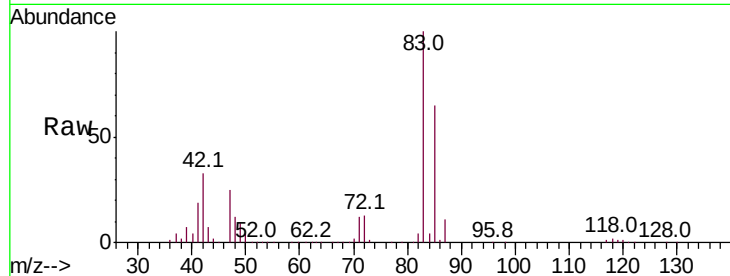
#27
Chloroform
Concen: 10.894 ug/l
RT: 4.67 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VU030575.D
Acq: 30 Mar 2019 15:58

Instrument :
MSVOA_U
ClientSampleId :
ICVVU033119

Tot Ion: 83 Resp: 336298
Ion Ratio Lower Upper
83 100
85 65.3 0.0 128.4

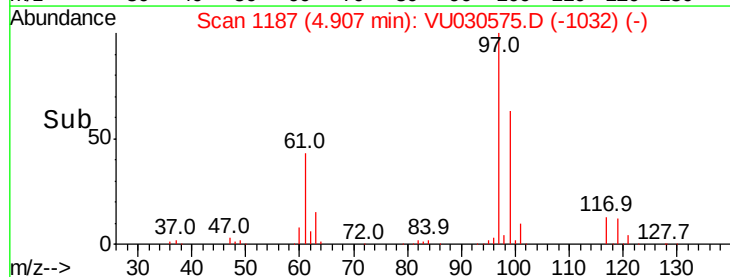
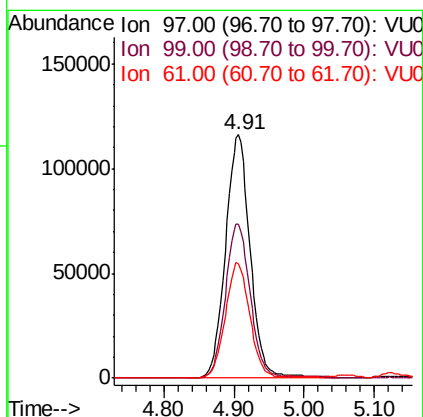
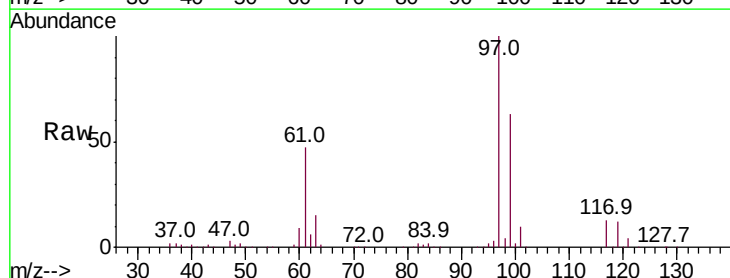
Manual Integrations
APPROVED

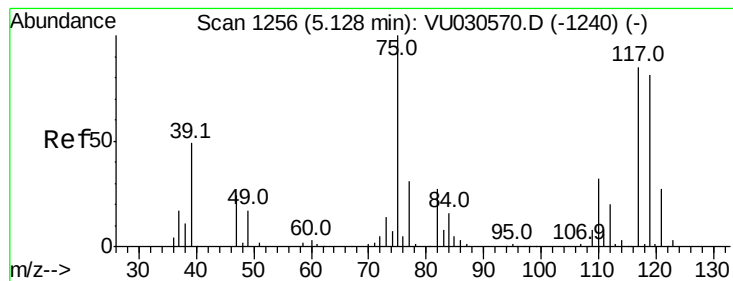
MMDadoda
4/5/2019 2:38:48 PM



#28
1,1,1-Trichloroethane
Concen: 11.123 ug/l
RT: 4.91 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU030575.D
Acq: 30 Mar 2019 15:58

Tgt Ion: 97 Resp: 283442
Ion Ratio Lower Upper
97 100
99 63.9 32.0 96.0
61 46.5 24.0 72.0





#29

1,1-Dichloropropene

Concen: 11.108 ug/l

RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Instrument :

MSVOA_U

ClientSampleId :

ICVVU033119

Tot Ion: 75 Resp: 253868

Ion Ratio Lower Upper

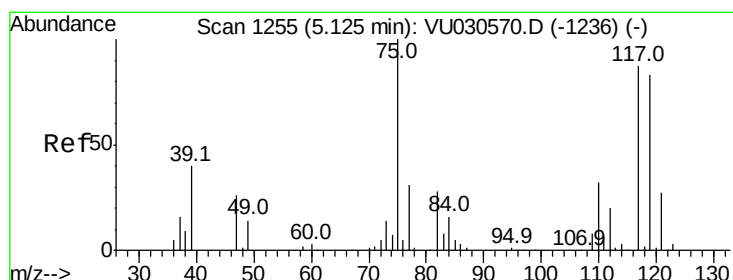
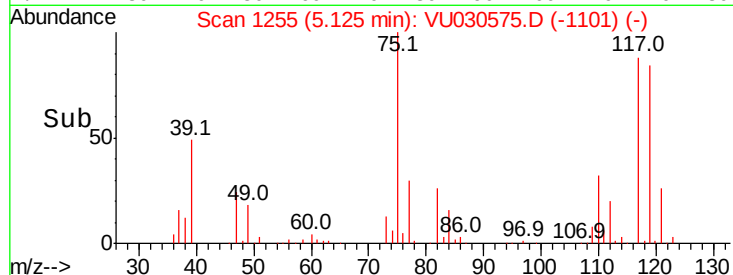
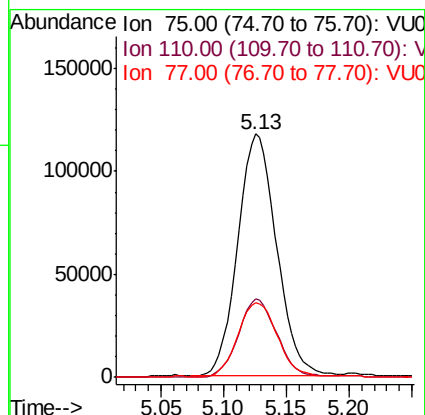
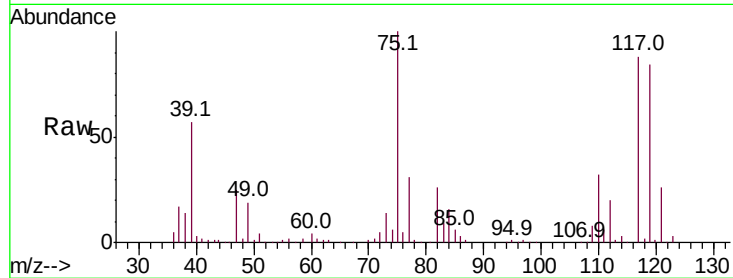
75 100

110 32.4 16.0 48.0

77 31.3 24.8 37.2

Manual Integrations
APPROVED

MMDadoda
4/5/2019 2:38:48 PM



#30

Carbon Tetrachloride

Concen: 11.341 ug/l

RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

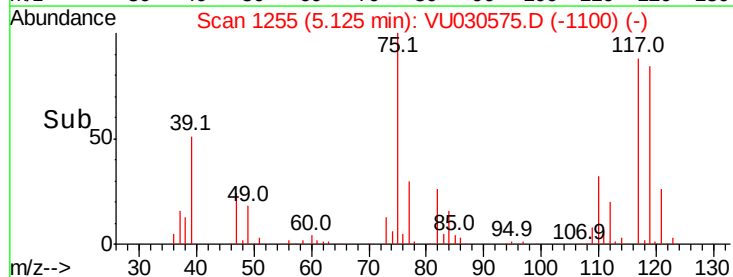
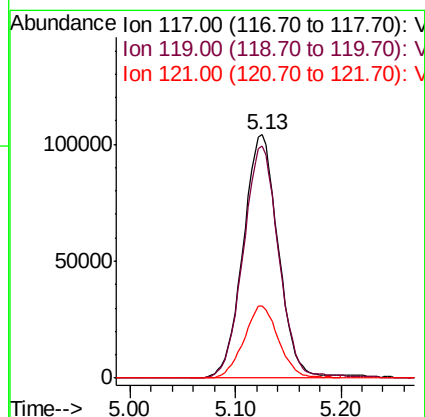
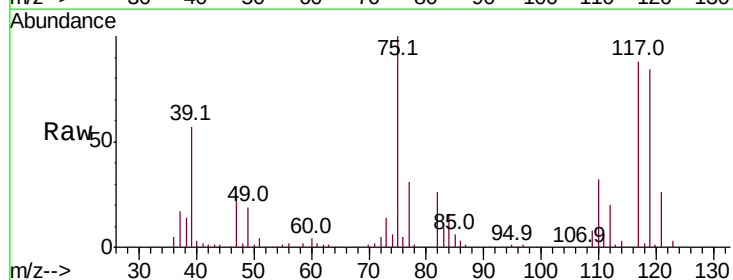
Tgt Ion: 117 Resp: 241212

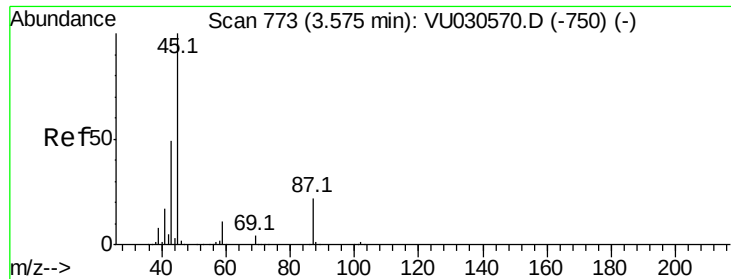
Ion Ratio Lower Upper

117 100

119 95.3 76.4 114.6

121 29.7 24.7 37.1





#31

Isopropyl Ether

Concen: 11.707 ug/l

RT: 3.58 min Scan# 773

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Instrument :

MSVOA_U

ClientSampleId :

ICVVU033119

Tot Ion: 45 Resp: 644321

Ion Ratio Lower Upper

45 100

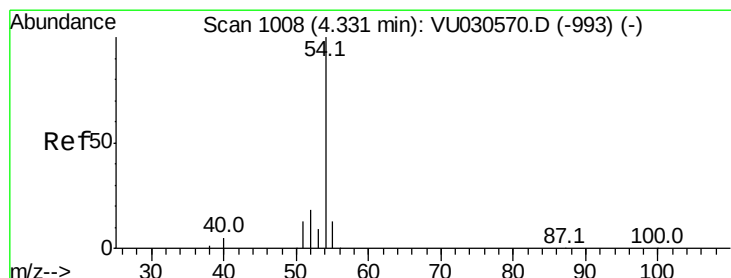
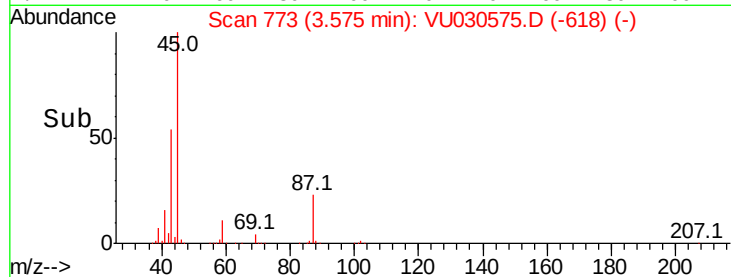
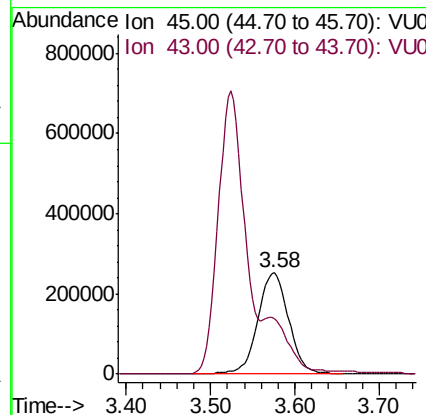
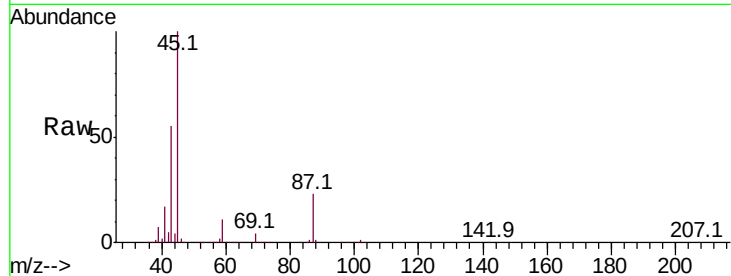
43 237.4 25.0 75.0#

Manual Integrations

APPROVED

MMDadoda

4/5/2019 2:38:48 PM



#34

Propionitrile

Concen: 123.352 ug/l

RT: 4.33 min Scan# 1008

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Tgt Ion: 54 Resp: 166176

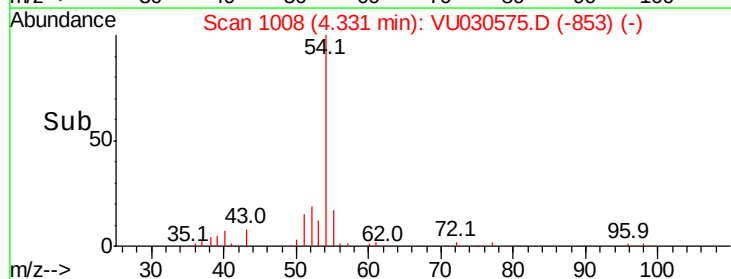
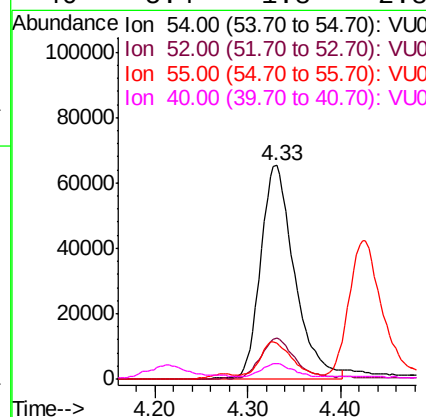
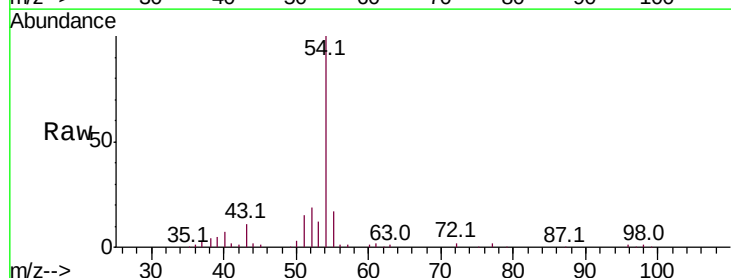
Ion Ratio Lower Upper

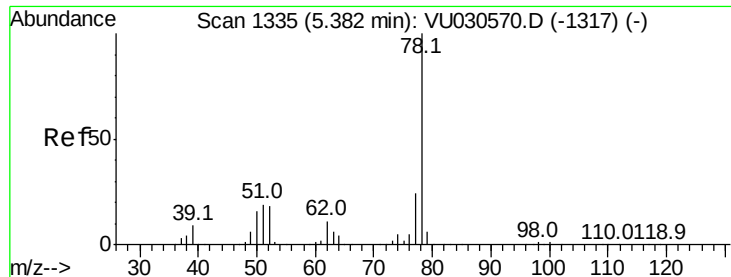
54 100

52 18.8 14.1 21.1

55 14.6 10.4 15.6

40 5.4 1.8 2.8#





#35

Benzene

Concen: 11.300 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Instrument :

MSVOA_U

ClientSampleId :

ICVVU033119

Tot Ion: 78 Resp: 763802

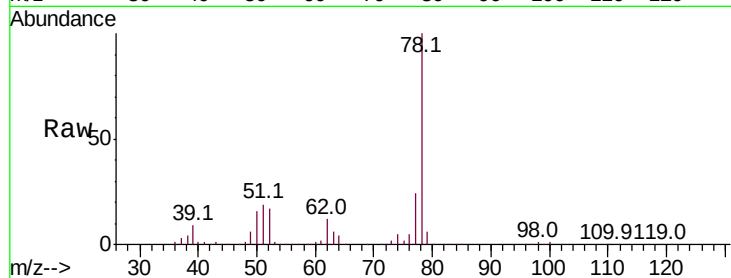
Ion Ratio Lower Upper

78 100

77 24.1 19.5 29.3

Manual Integrations
APPROVED

MMDadoda
4/5/2019 2:38:48 PM



Abundance Ion 78.10 (77.80 to 78.80): VU030575.D (-1317) (-)

Ion 77.00 (76.70 to 77.70): VU030575.D (-1317) (-)

5.38

400000

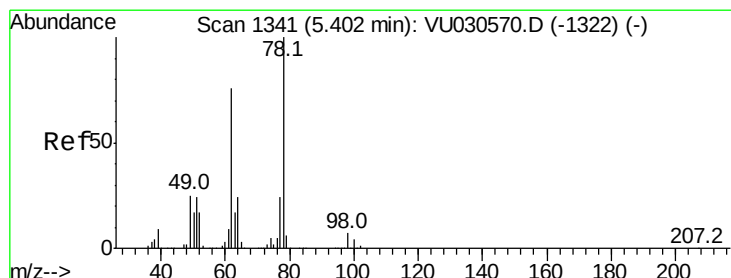
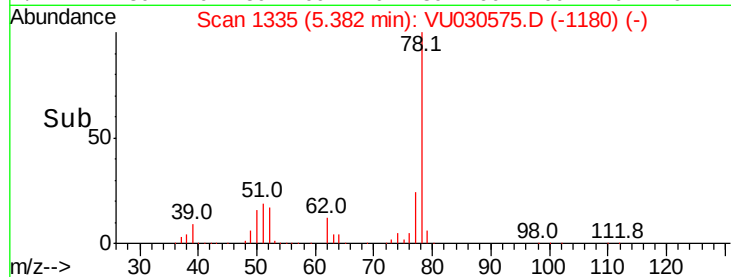
300000

200000

100000

0

Time-->



#36

1,2-Dichloroethane

Concen: 10.944 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VU030575.D

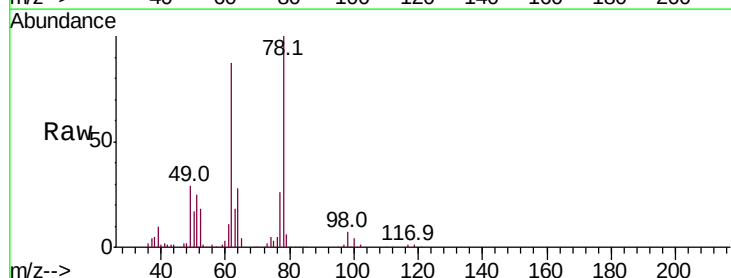
Acq: 30 Mar 2019 15:58

Tgt Ion: 62 Resp: 225960

Ion Ratio Lower Upper

62 100

98 8.4 6.8 10.2



Abundance Ion 62.00 (61.70 to 62.70): VU030575.D (-1322) (-)

Ion 98.00 (97.70 to 98.70): VU030575.D (-1322) (-)

5.40

120000

100000

80000

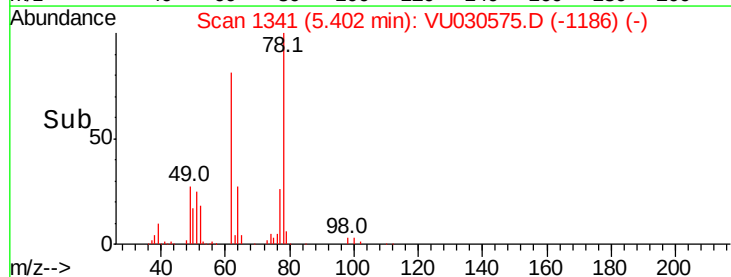
60000

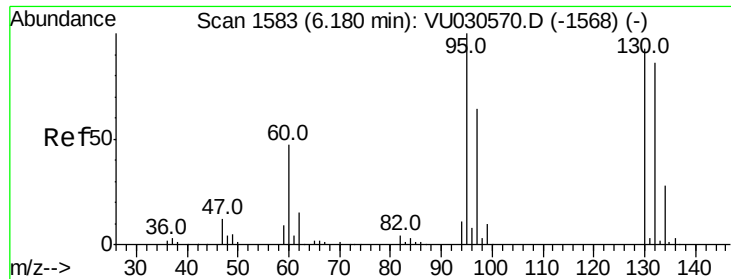
40000

20000

0

Time-->





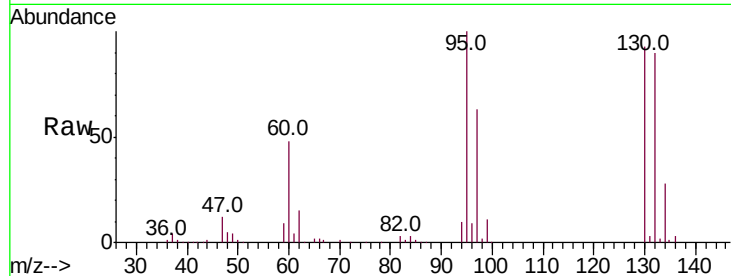
#37
 Trichloroethene
 Concen: 10.933 ug/l
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VU030575.D
 Acq: 30 Mar 2019 15:58

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU033119

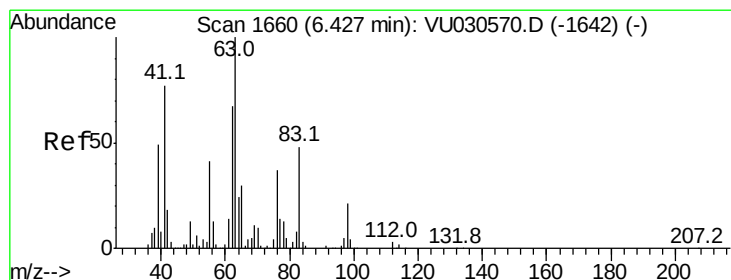
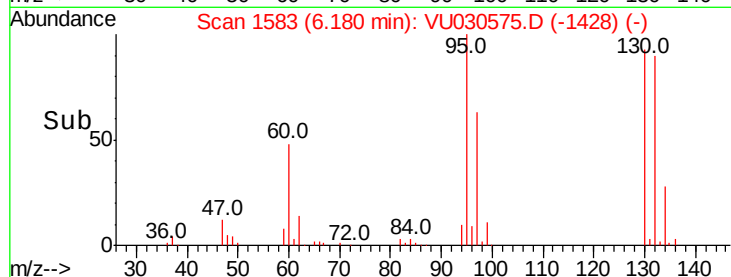
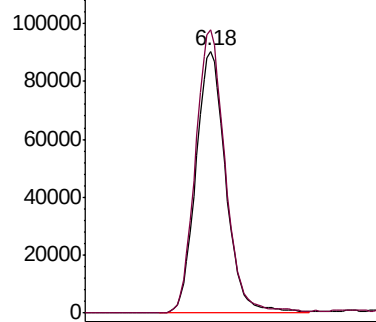
Tot Ion:130 Resp: 177287
 Ion Ratio Lower Upper
 130 100
 95 108.0 85.8 128.8

Manual Integrations
 APPROVED

MMDadoda
 4/5/2019 2:38:48 PM

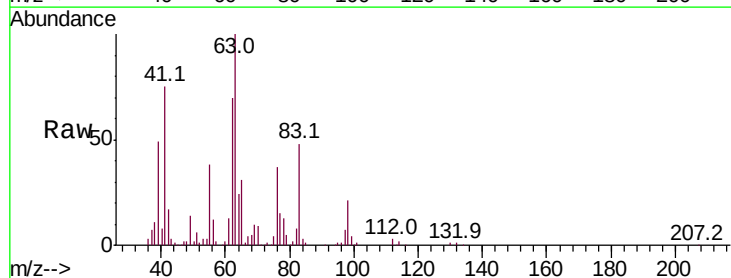


Abundance Ion 129.90 (129.60 to 130.60): VU030570.D (-1568) (-)
 Ion 94.90 (94.60 to 95.60): VU030570.D (-1568) (-)

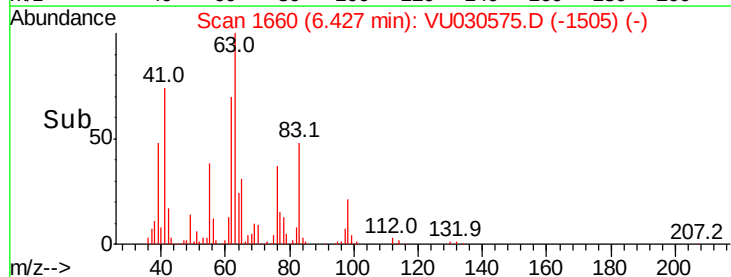
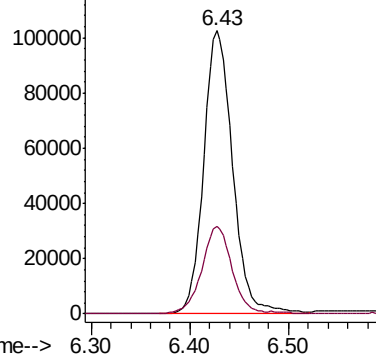


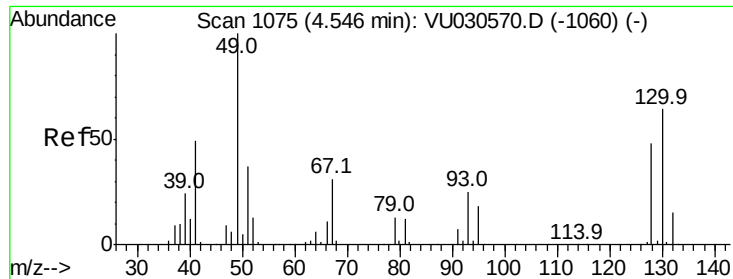
#38
 1,2-Dichloropropane
 Concen: 11.220 ug/l
 RT: 6.43 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VU030575.D
 Acq: 30 Mar 2019 15:58

Tgt Ion: 63 Resp: 210080
 Ion Ratio Lower Upper
 63 100
 65 30.7 23.9 35.9



Abundance Ion 63.00 (62.70 to 63.70): VU030570.D (-1642) (-)
 Ion 65.00 (64.70 to 65.70): VU030570.D (-1642) (-)





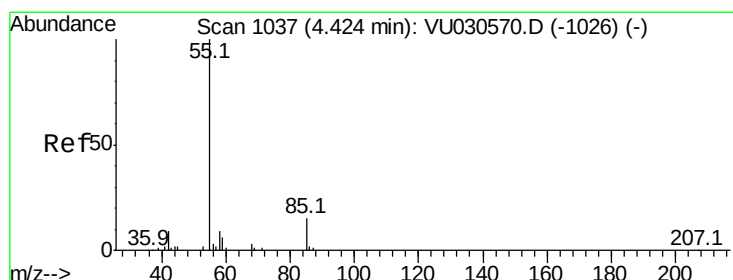
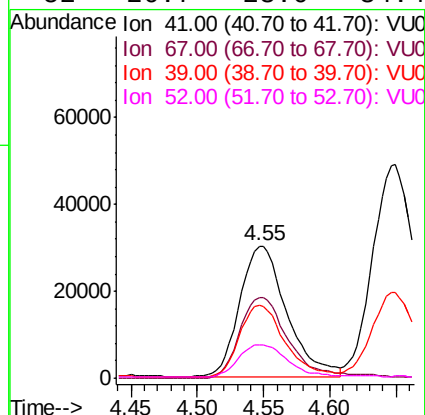
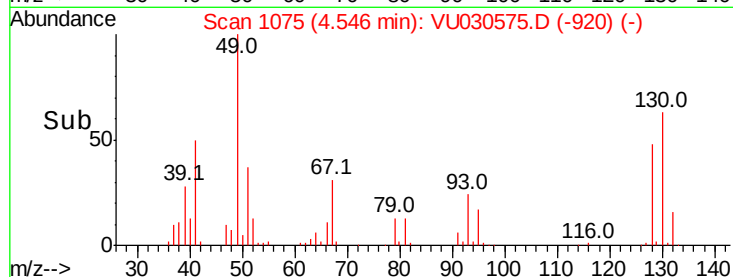
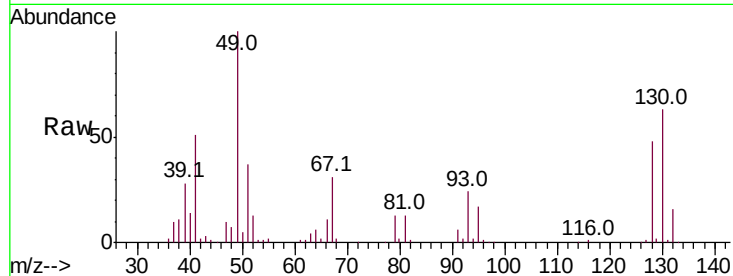
#39
Methacrylonitrile
Concen: 12.163 ug/l
RT: 4.55 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VU030575.D
Acq: 30 Mar 2019 15:58

Instrument :
MSVOA_U
ClientSampleId :
ICVVU033119

Tot Ion	41	Resp	73923
Ion	Ratio	Lower	Upper
41	100		
67	65.7	50.2	75.4
39	53.2	40.7	61.1
52	26.7	23.0	34.4

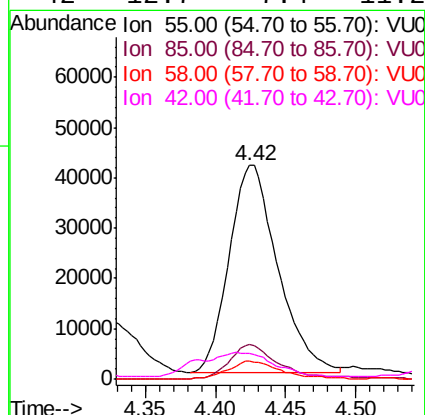
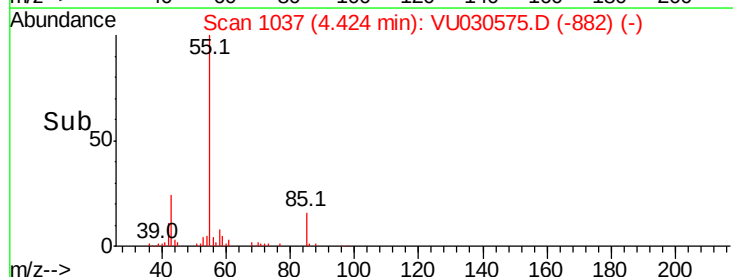
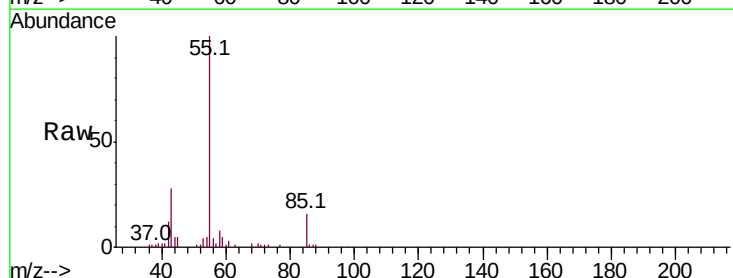
Manual Integrations
APPROVED

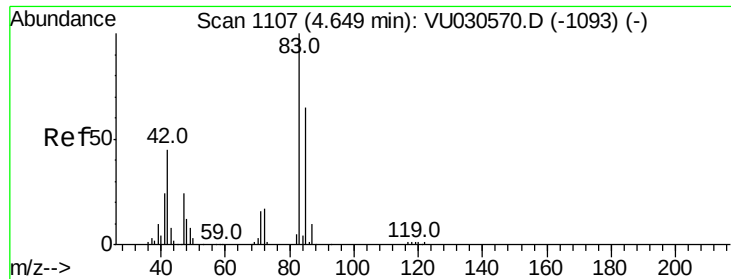
MMDadoda
4/5/2019 2:38:48 PM



#40
Methyl acrylate
Concen: 12.004 ug/l
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VU030575.D
Acq: 30 Mar 2019 15:58

Tgt Ion	55	Resp	99769
Ion	Ratio	Lower	Upper
55	100		
85	16.8	12.5	18.7
58	9.2	6.3	9.5
42	12.7	7.4	11.2#





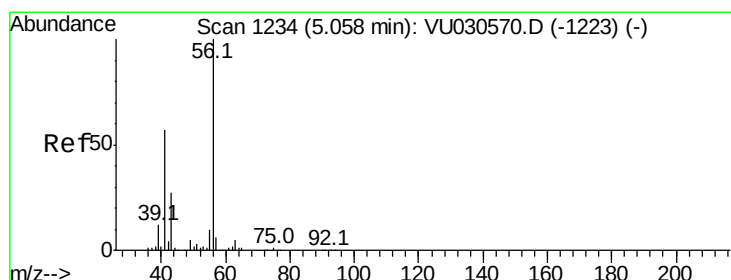
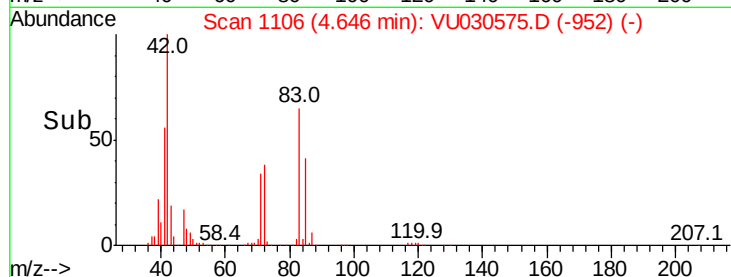
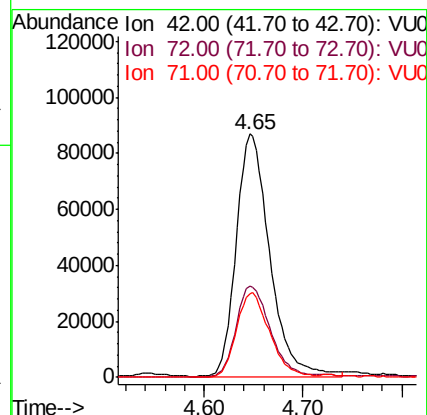
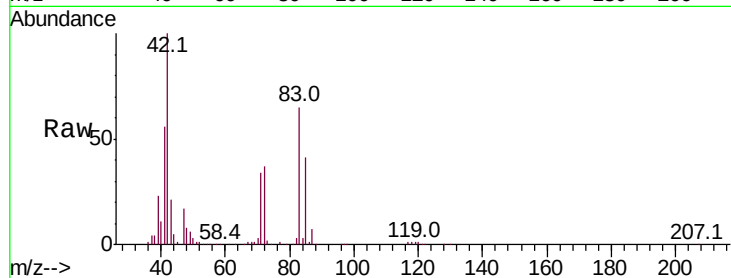
#41
Tetrahydrofuran
Concen: 59.551 ug/l
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU030575.D
Acq: 30 Mar 2019 15:58

Instrument :
MSVOA_U
ClientSampleId :
ICVVU033119

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.4	33.4	50.0
71	34.6	28.8	43.2

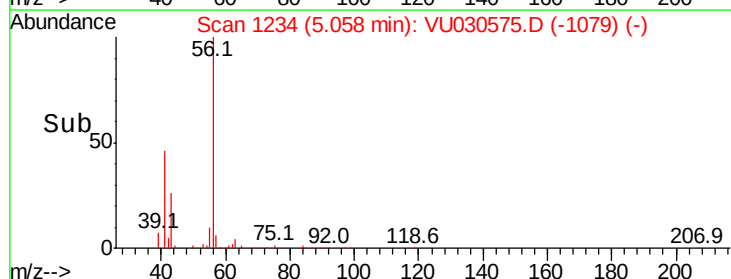
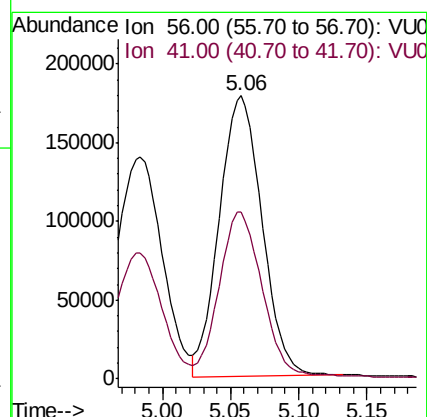
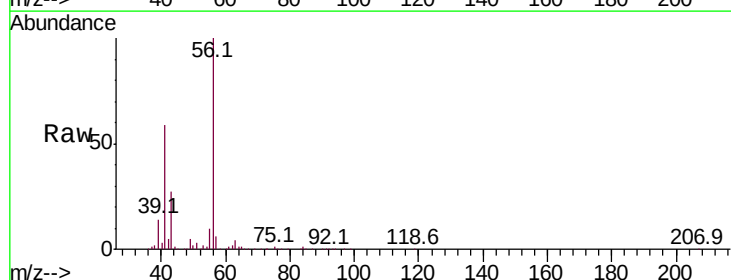
Manual Integrations
APPROVED

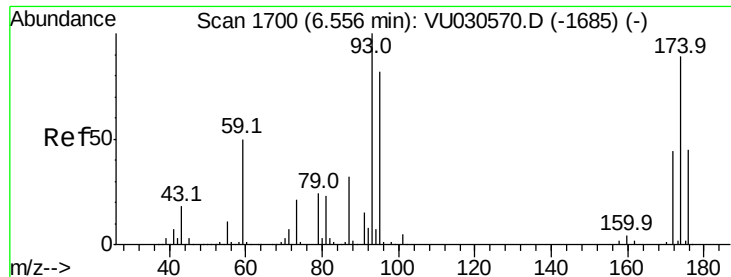
MMDadoda
4/5/2019 2:38:48 PM



#42
1-Chlorobutane
Concen: 11.342 ug/l
RT: 5.06 min Scan# 1234
Delta R.T. -0.00 min
Lab File: VU030575.D
Acq: 30 Mar 2019 15:58

Tgt Ion	Ratio	Lower	Upper
56	100		
41	58.4	28.5	85.6





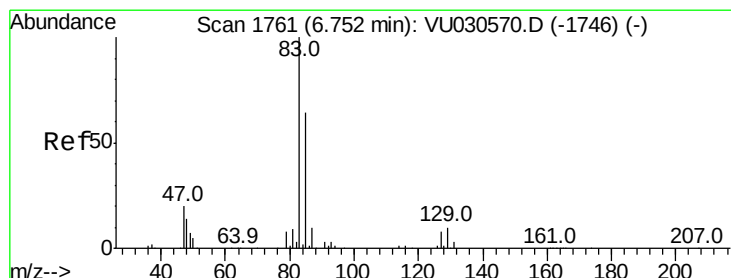
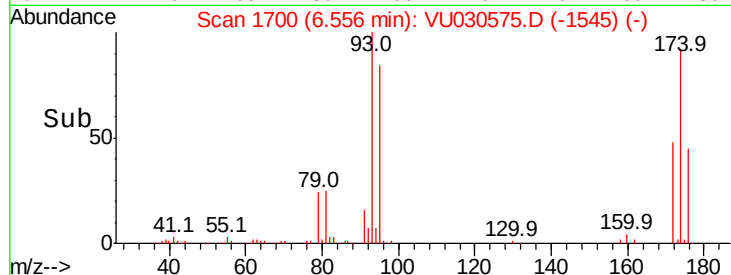
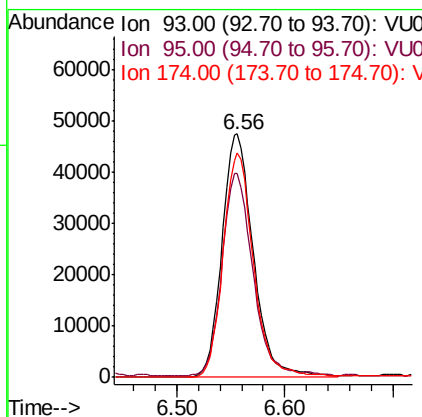
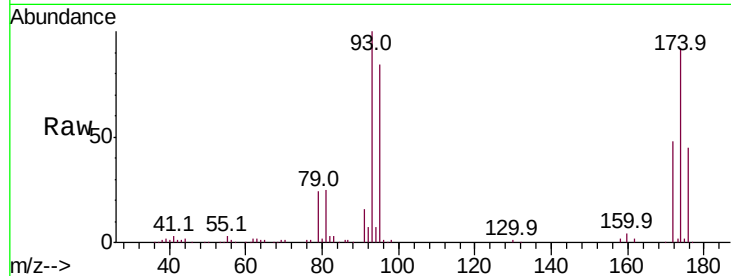
#43
 Dibromomethane
 Concen: 11.295 ug/l
 RT: 6.56 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VU030575.D
 Acq: 30 Mar 2019 15:58

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU033119

Tot Ion	Ratio	Lower	Upper
93	100		
95	80.8	63.9	95.9
174	89.7	71.0	106.4

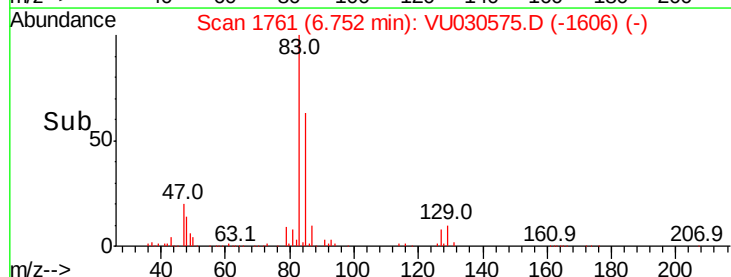
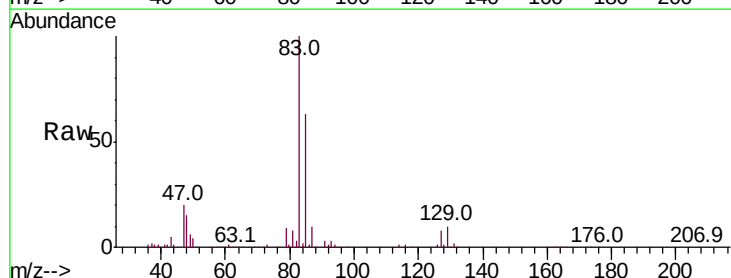
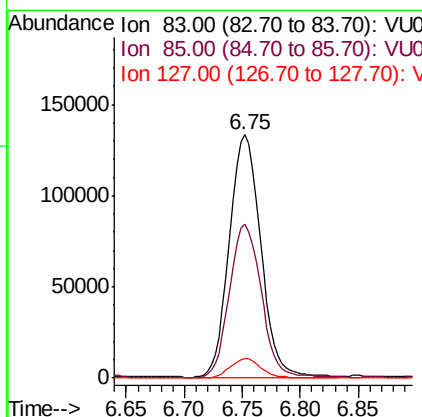
Manual Integrations
 APPROVED

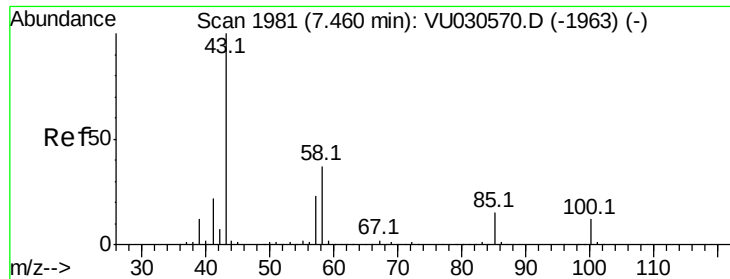
MMDadoda
 4/5/2019 2:38:48 PM



#44
 Bromodichloromethane
 Concen: 11.156 ug/l
 RT: 6.75 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: VU030575.D
 Acq: 30 Mar 2019 15:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.1	76.7
127	8.0	6.1	9.1





#45

4-Methyl-2-Pentanone

Concen: 59.320 ug/l

RT: 7.46 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Instrument :

MSVOA_U

ClientSampleId :

ICVVU033119

Tot Ion: 43 Resp: 692459

Ion Ratio Lower Upper

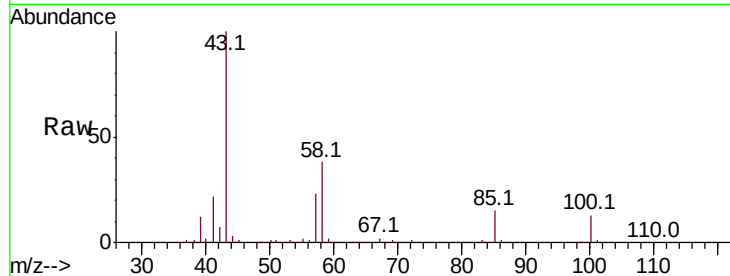
43 100

58 37.3 18.6 55.8

85 14.4 11.8 17.6

Manual Integrations
APPROVED

MMDadoda
4/5/2019 2:38:48 PM

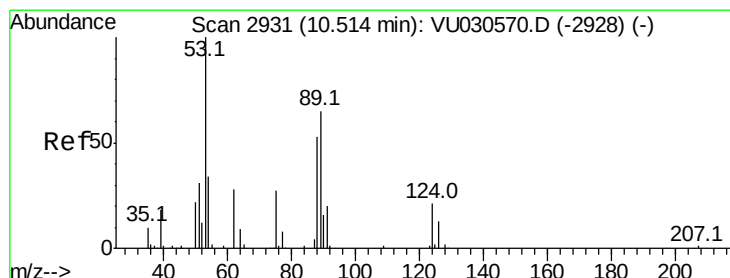
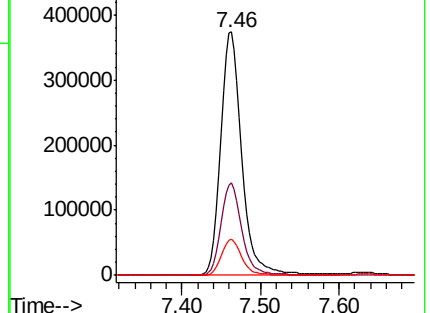
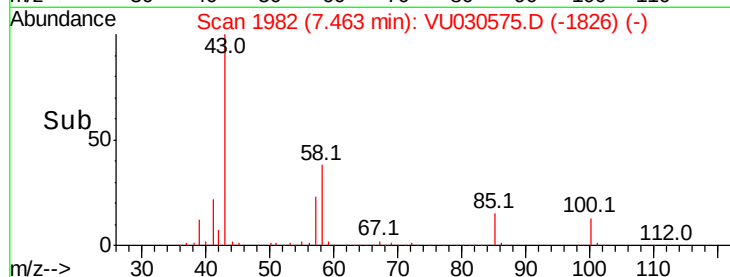


Abundance Ion 43.00 (42.70 to 43.70): VU030570.D (-1963) (-)

Ion 58.00 (57.70 to 58.70): VU030570.D (-1963) (-)

Ion 85.00 (84.70 to 85.70): VU030570.D (-1963) (-)

Time-->



#46

t-1,4-Dichloro-2-butene

Concen: 11.440 ug/l m

RT: 10.51 min Scan# 2930

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Tgt Ion: 75 Resp: 42855

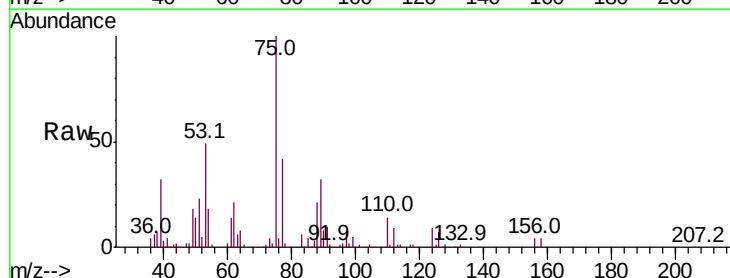
Ion Ratio Lower Upper

75 100

53 90.7 63.4 95.2

89 55.7 39.1 58.7

88 41.2 30.4 45.6



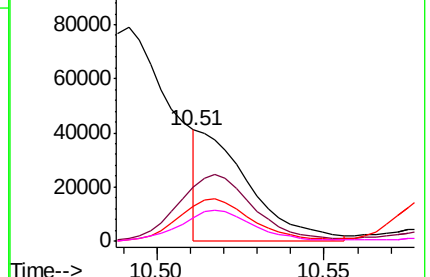
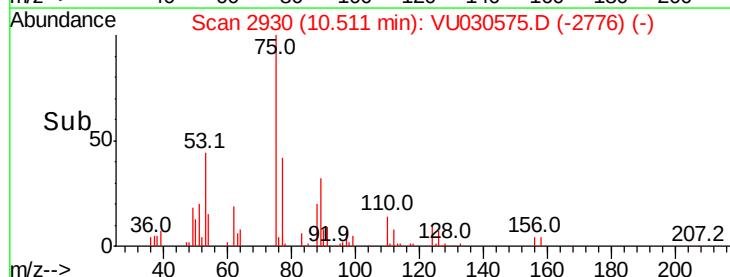
Abundance Ion 74.90 (74.60 to 75.60): VU030570.D (-2928) (-)

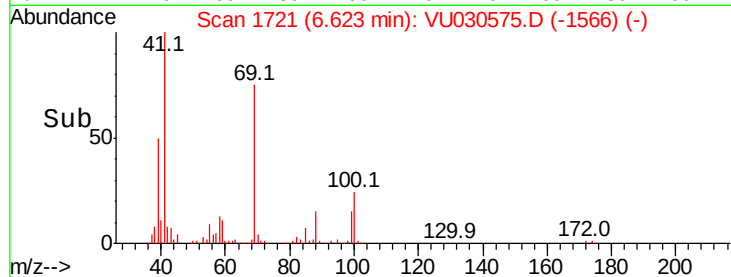
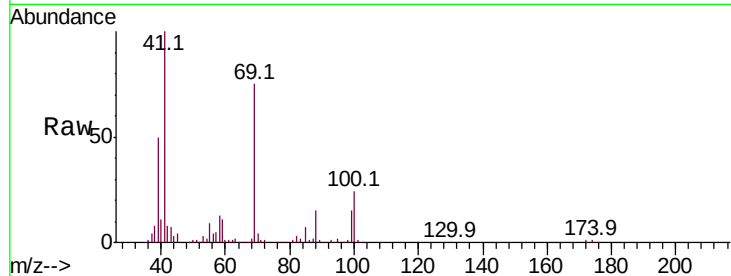
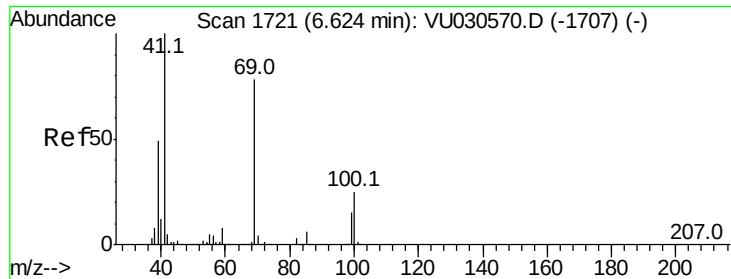
Ion 53.00 (52.70 to 53.70): VU030570.D (-2928) (-)

Ion 88.80 (88.50 to 89.50): VU030570.D (-2928) (-)

Ion 87.80 (87.50 to 88.50): VU030570.D (-2928) (-)

Time-->





#47

Methyl methacrylate

Concen: 12.845 ug/l

RT: 6.62 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Tot Ion:	69	Resp:	92480
Ion	Ratio	Lower	Upper
69	100		
41	125.5	0.0	258.0
39	63.1	51.0	76.4
100	32.2	25.9	38.9

Instrument :

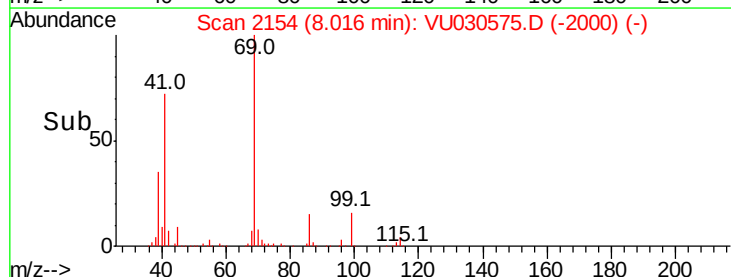
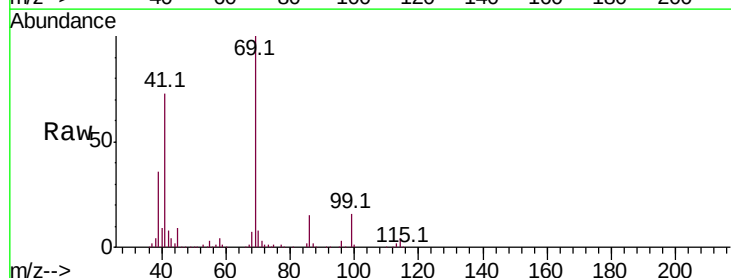
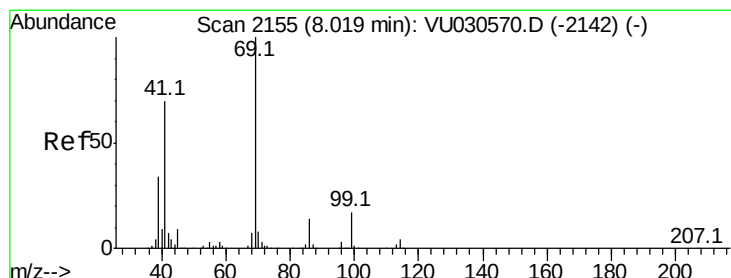
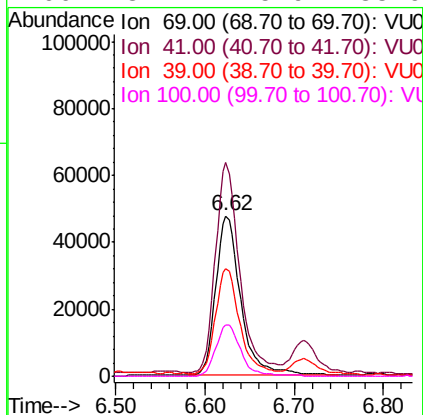
MSVOA_U

ClientSampleId :

ICVVU033119

Manual Integrations
APPROVED

MMDadoda
4/5/2019 2:38:48 PM



#48

Ethyl methacrylate

Concen: 13.275 ug/l

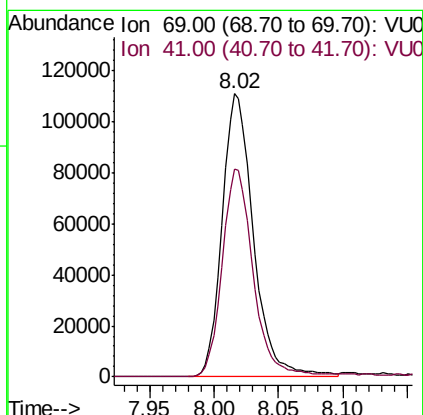
RT: 8.02 min Scan# 2154

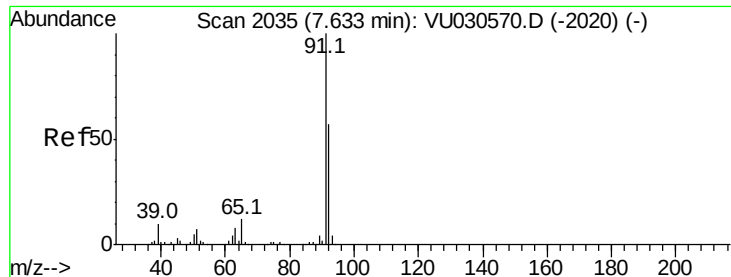
Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Tgt Ion:	69	Resp:	187396
Ion	Ratio	Lower	Upper
69	100		
41	71.9	36.1	108.5





#49

Toluene

Concen: 11.967 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Instrument :

MSVOA_U

ClientSampleId :

ICVVU033119

Tot Ion: 92 Resp: 443267

Ion Ratio Lower Upper

92 100

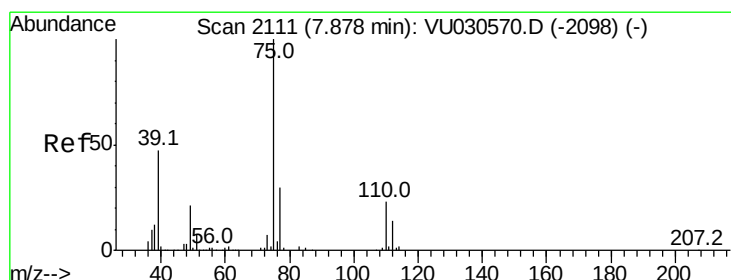
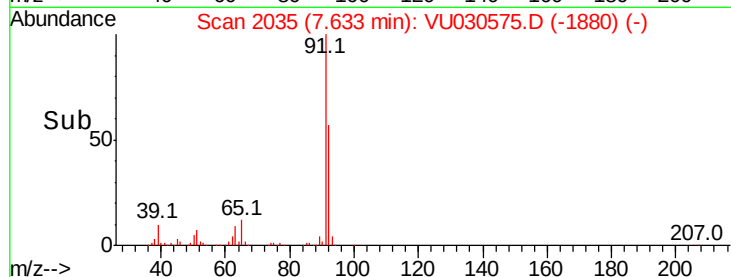
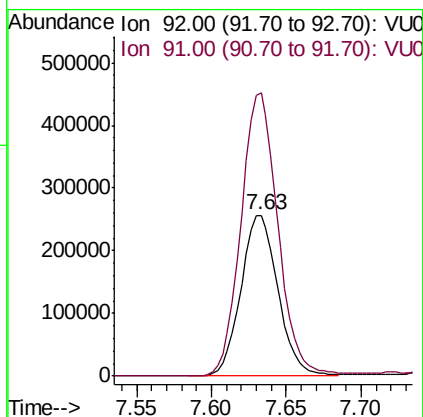
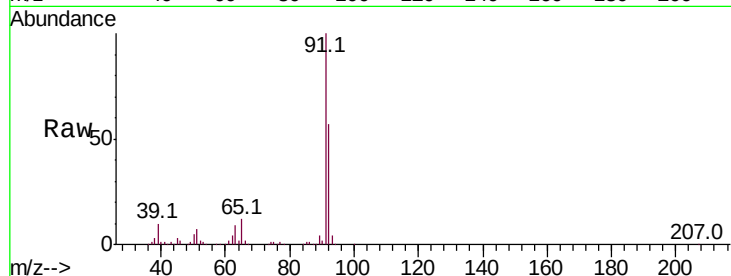
91 175.5 140.2 210.4

Manual Integrations

APPROVED

MMDadoda

4/5/2019 2:38:48 PM



#50

t-1,3-Dichloropropene

Concen: 12.761 ug/l

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VU030575.D

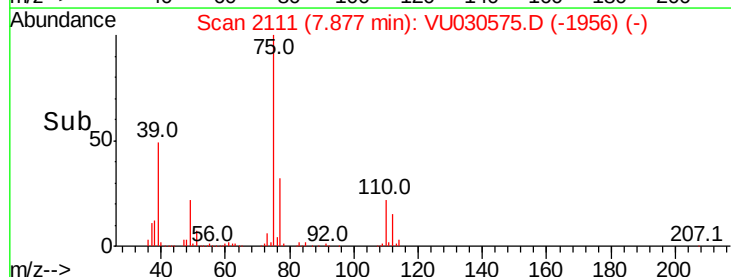
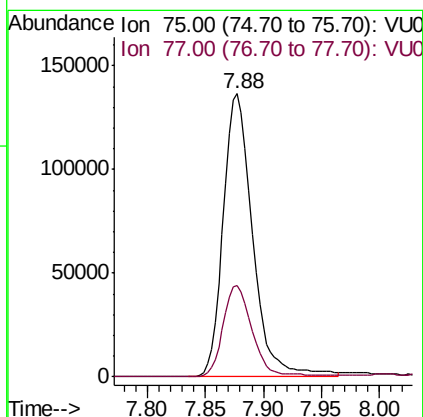
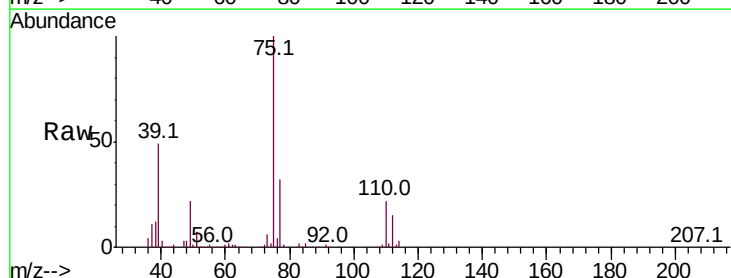
Acq: 30 Mar 2019 15:58

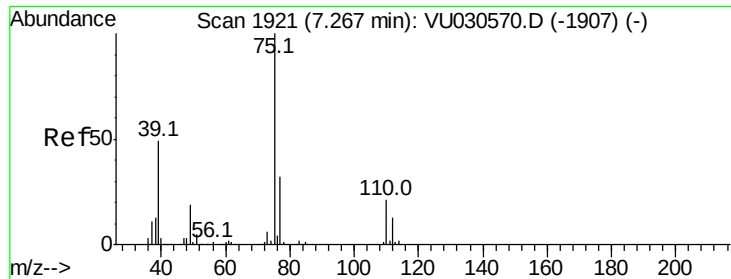
Tgt Ion: 75 Resp: 240239

Ion Ratio Lower Upper

75 100

77 32.3 24.4 36.6





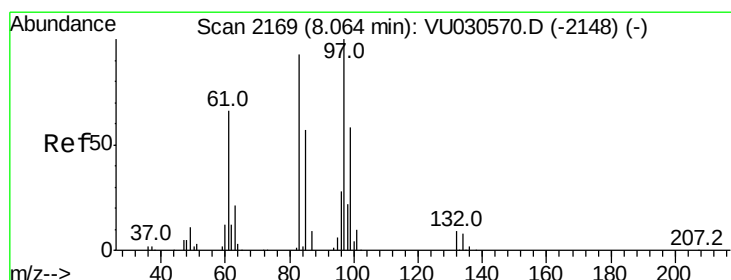
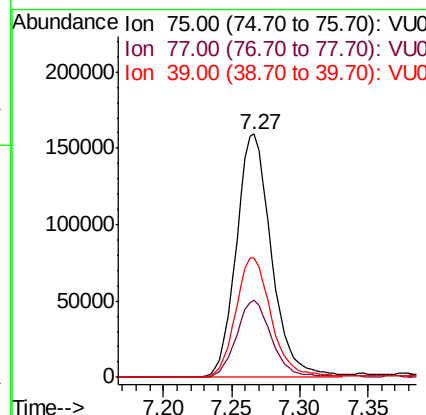
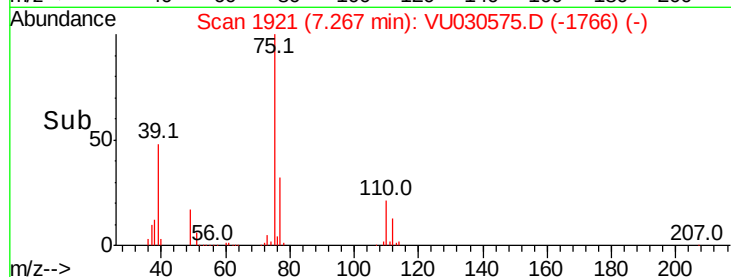
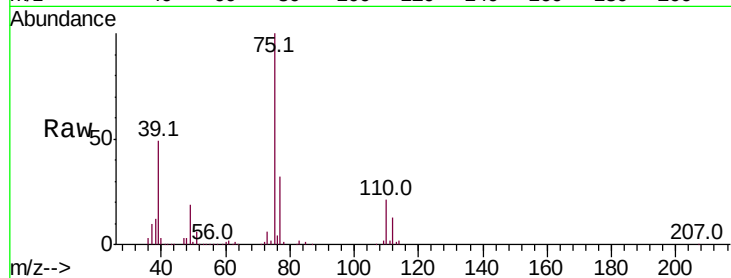
#51
 cis-1,3-Dichloropropene
 Concen: 12.191 ug/l
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU030575.D
 Acq: 30 Mar 2019 15:58

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU033119

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.8	38.6
39	48.8	39.3	58.9

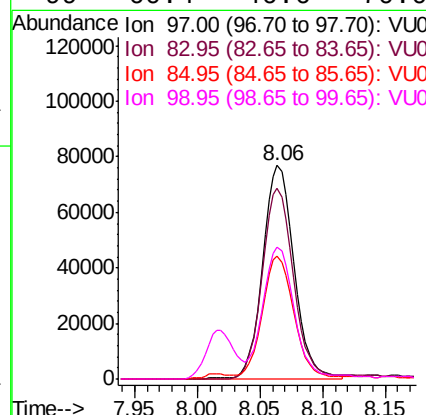
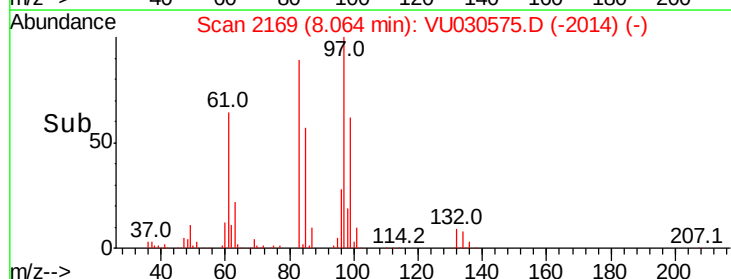
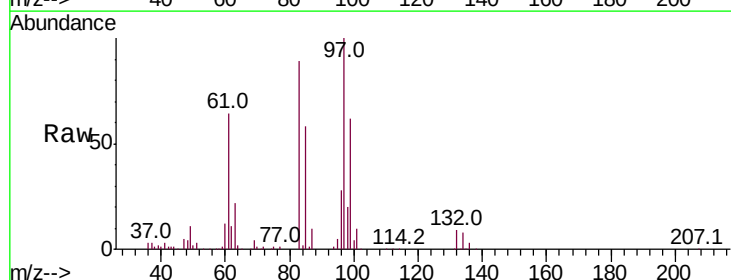
Manual Integrations
 APPROVED

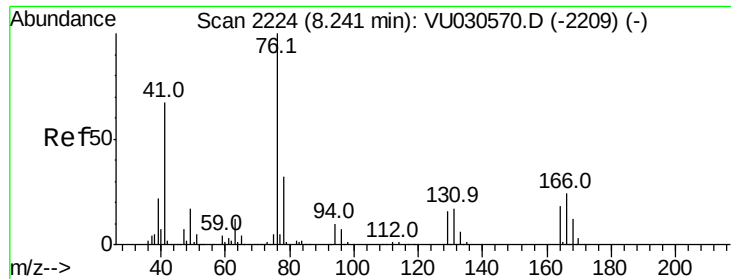
MMDadoda
 4/5/2019 2:38:48 PM



#52
 1,1,2-Trichloroethane
 Concen: 11.575 ug/l
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU030575.D
 Acq: 30 Mar 2019 15:58

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.5	74.3	111.5
85	57.2	45.4	68.0
99	60.4	46.6	70.0





#53

1,3-Dichloropropane

Concen: 11.231 ug/l

RT: 8.24 min Scan# 2224

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Instrument :

MSVOA_U

ClientSampleId :

ICVVU033119

Tot Ion: 76 Resp: 237611

Ion Ratio Lower Upper

76 100

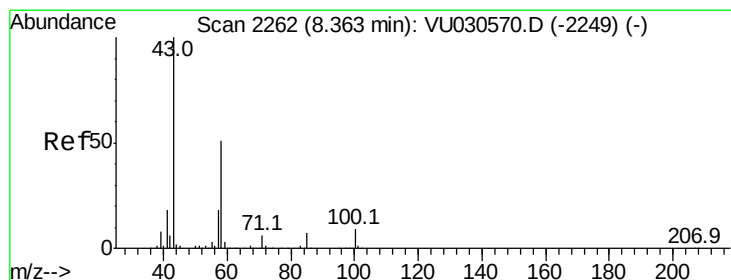
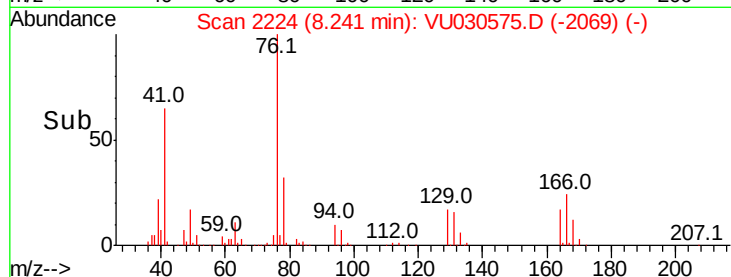
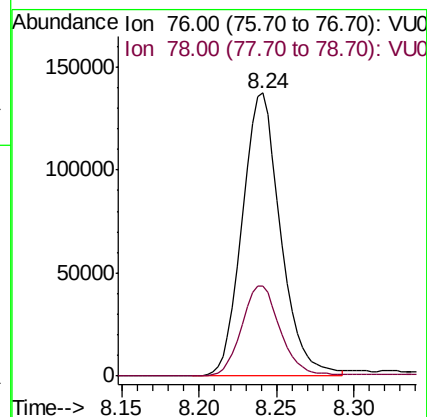
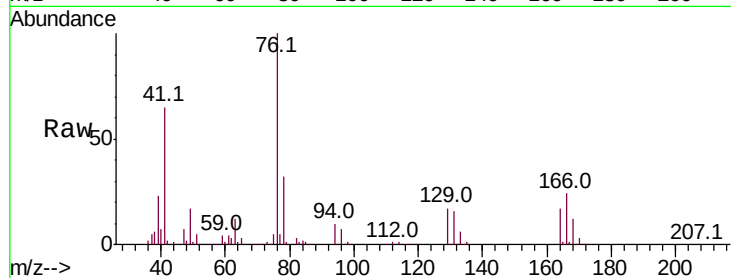
78 32.2 25.3 37.9

Manual Integrations

APPROVED

MMDadoda

4/5/2019 2:38:48 PM



#54

2-Hexanone

Concen: 68.130 ug/l

RT: 8.36 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

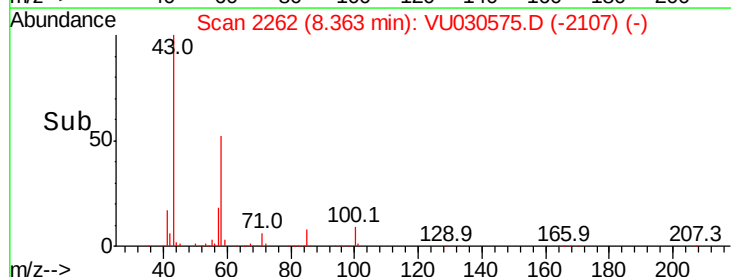
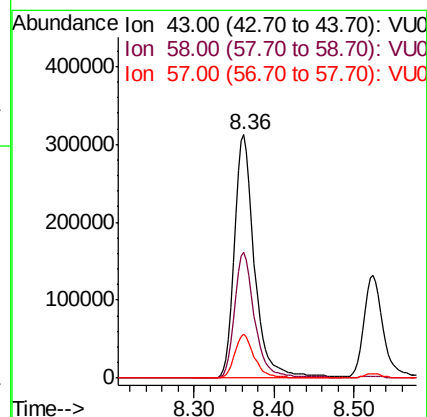
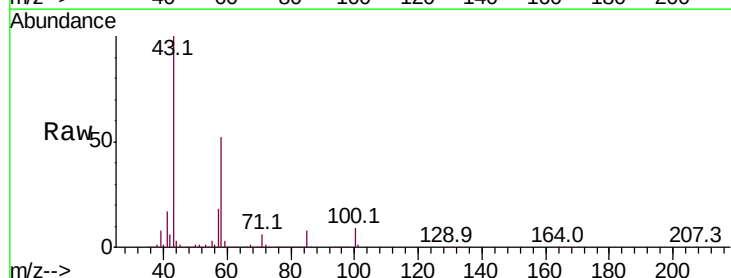
Tgt Ion: 43 Resp: 537108

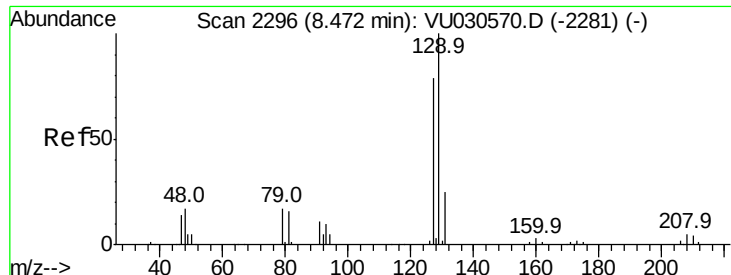
Ion Ratio Lower Upper

43 100

58 51.3 32.5 72.5

57 17.8 0.0 37.6





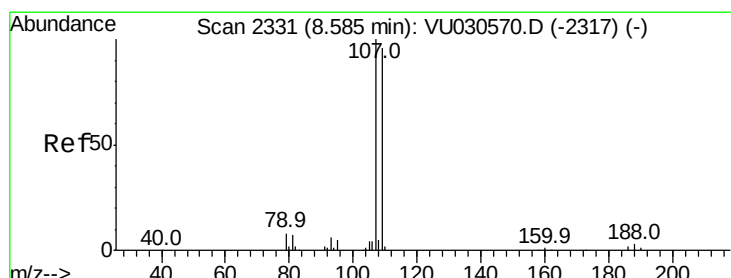
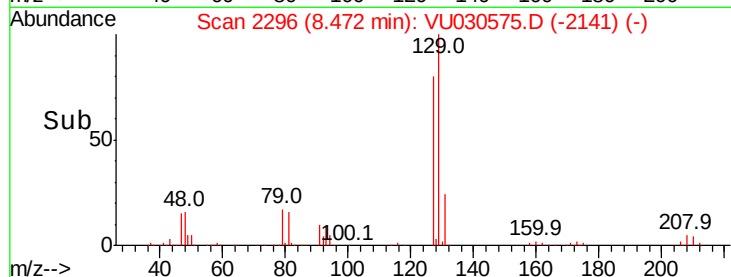
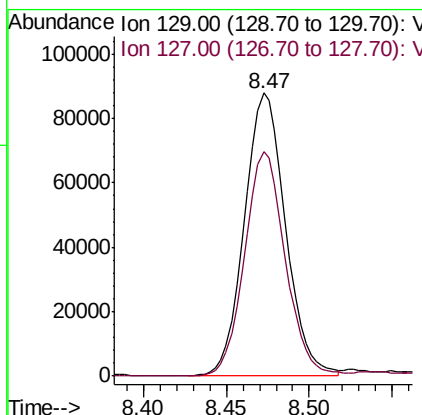
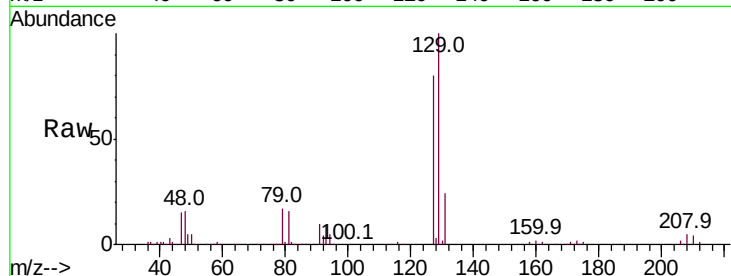
#55
Dibromochloromethane
Concen: 11.255 ug/l
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU030575.D
Acq: 30 Mar 2019 15:58

Instrument :
MSVOA_U
ClientSampleId :
ICVVU033119

Tot Ion	Ratio	Lower	Upper
129	100		
127	78.7	62.2	93.4

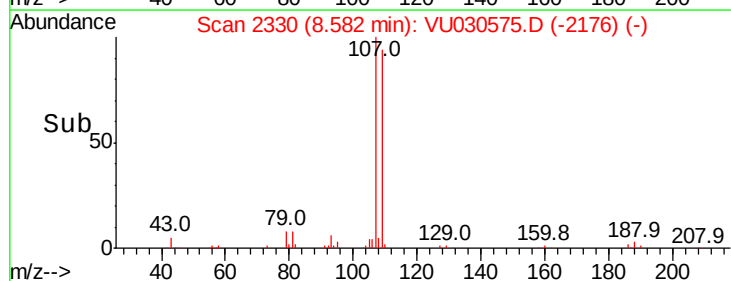
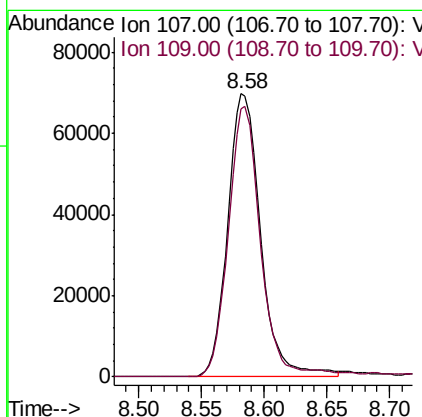
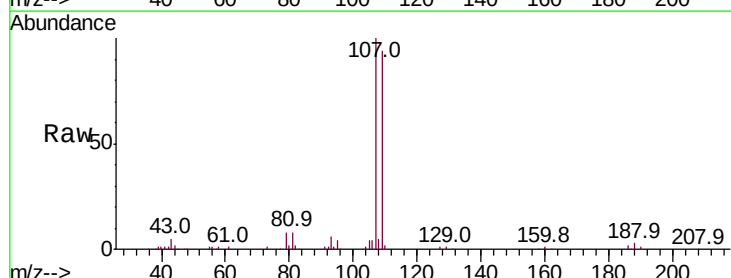
Manual Integrations
APPROVED

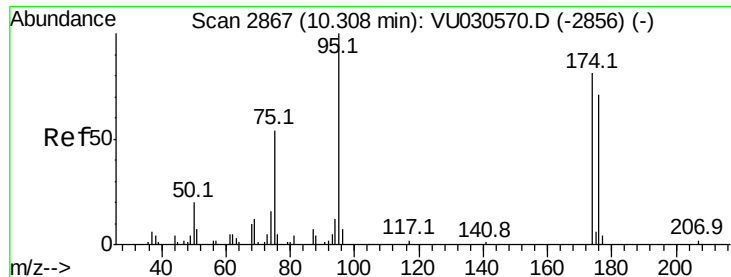
MMDadoda
4/5/2019 2:38:48 PM



#56
1,2-Dibromoethane
Concen: 11.844 ug/l
RT: 8.58 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU030575.D
Acq: 30 Mar 2019 15:58

Tgt Ion	Ratio	Lower	Upper
107	100		
109	91.7	0.0	190.0





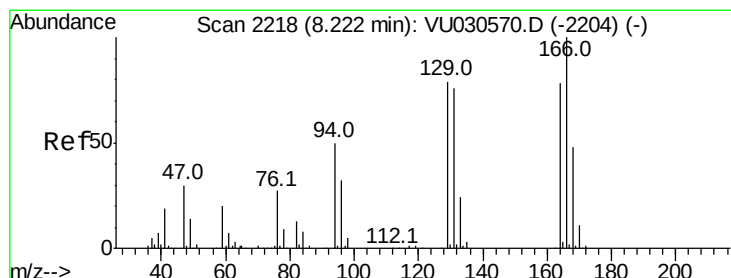
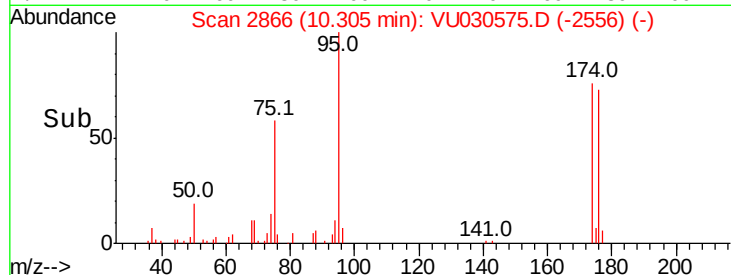
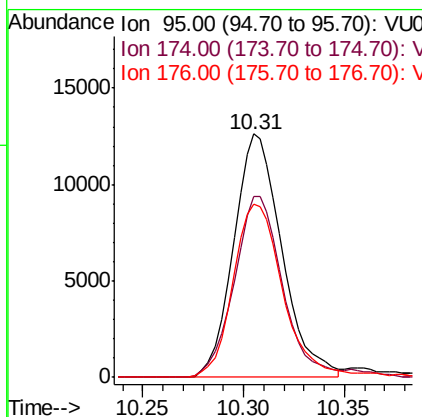
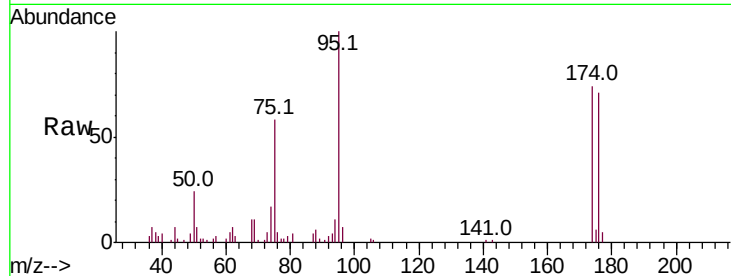
#57
4-Bromofluorobenzene
Concen: 11.844 ug/l
RT: 10.31 min Scan# 2866
Delta R.T. -0.00 min
Lab File: VU030575.D
Acq: 30 Mar 2019 15:58

Instrument :
MSVOA_U
ClientSampleId :
ICVVU033119

Tot Ion	Ratio	Lower	Upper
95	100		
174	74.5	60.5	90.7
176	73.3	57.9	86.9

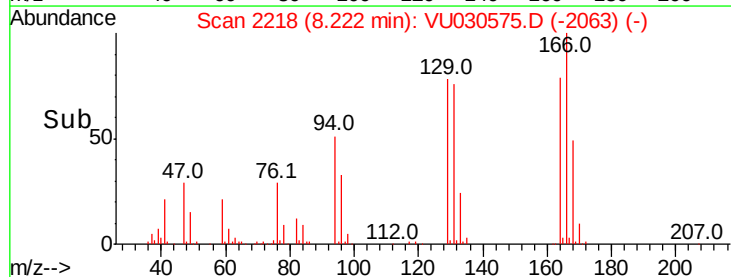
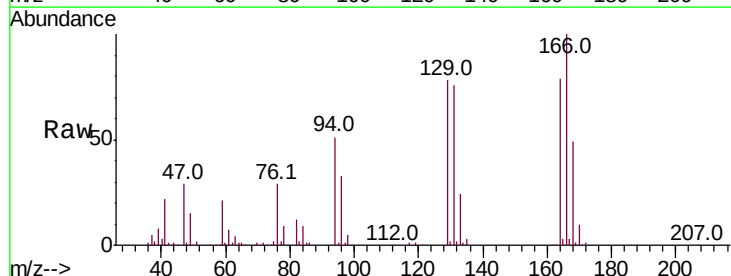
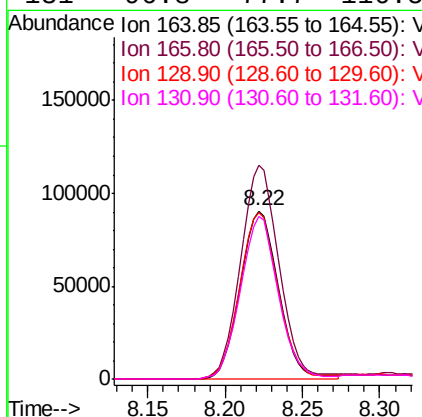
Manual Integrations
APPROVED

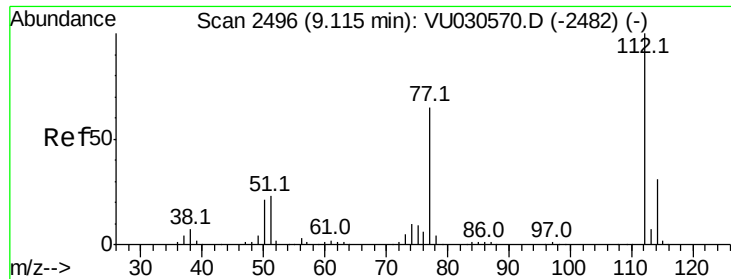
MMDadoda
4/5/2019 2:38:48 PM



#58
Tetrachloroethene
Concen: 10.763 ug/l
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VU030575.D
Acq: 30 Mar 2019 15:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.9	102.4	153.6
129	99.1	81.4	122.0
131	96.8	77.7	116.5





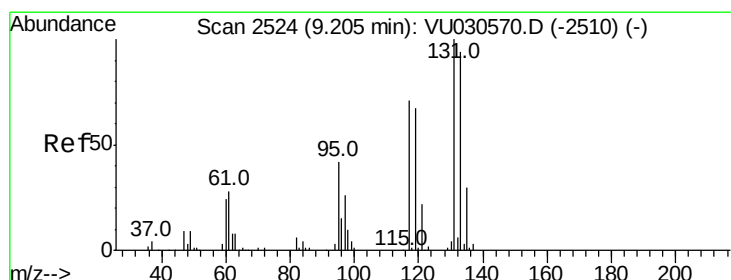
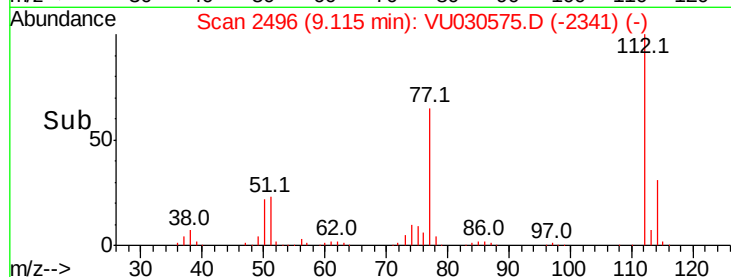
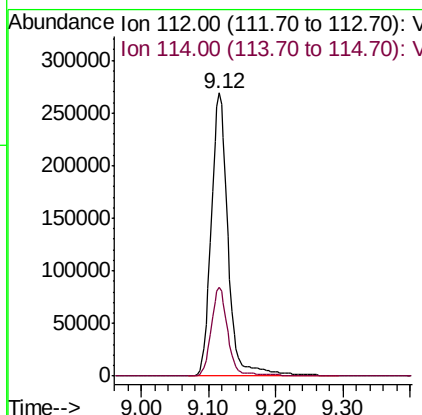
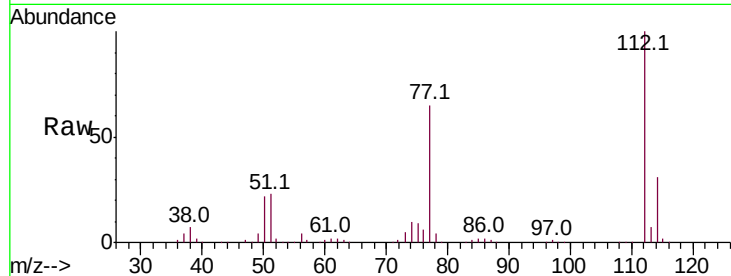
#59
Chlorobenzene
Concen: 11.726 ug/l
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU030575.D
Acq: 30 Mar 2019 15:58

Instrument :
MSVOA_U
ClientSampleId :
ICVVU033119

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	24.9	37.3

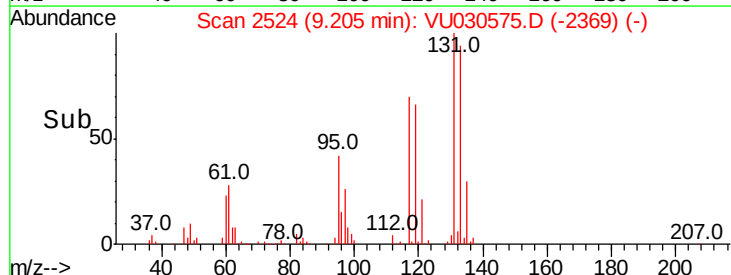
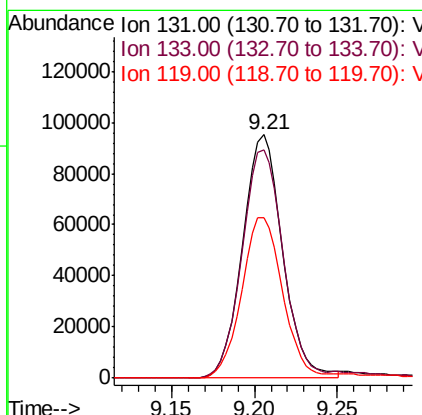
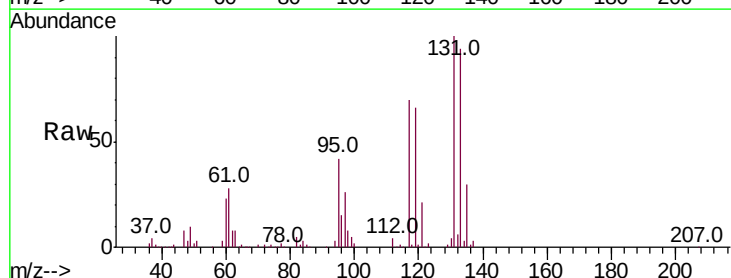
Manual Integrations
APPROVED

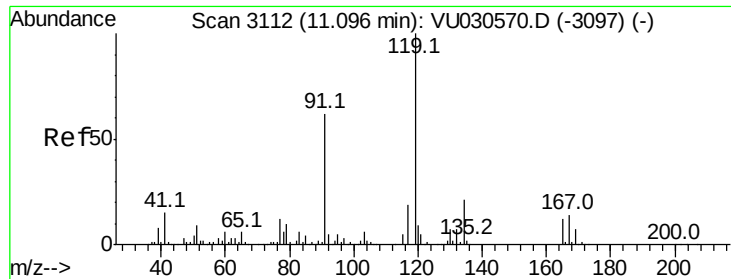
MMDadoda
4/5/2019 2:38:48 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 10.798 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. -0.00 min
Lab File: VU030575.D
Acq: 30 Mar 2019 15:58

Tgt Ion	Ratio	Lower	Upper
131	100		
133	100.0	77.5	116.3
119	67.3	53.2	79.8





#61

Pentachloroethane

Concen: 11.389 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Instrument :

MSVOA_U

ClientSampleId :

ICVVU033119

Tot Ion:117 Resp: 130278

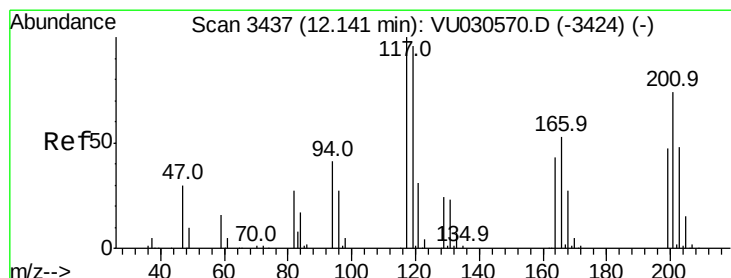
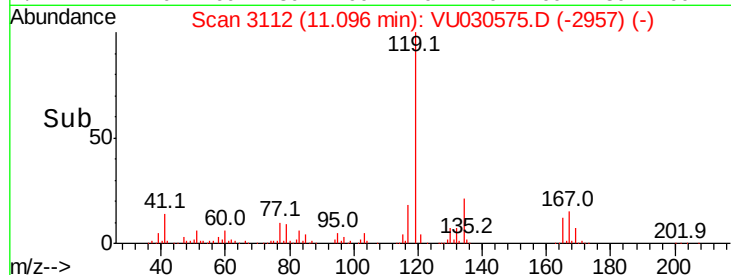
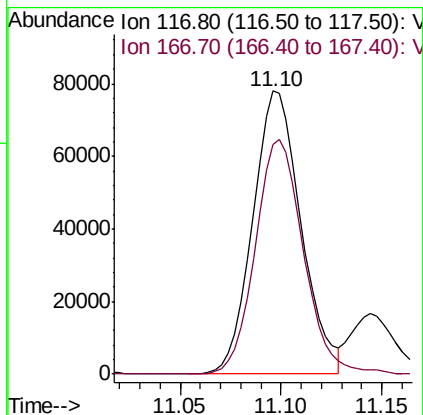
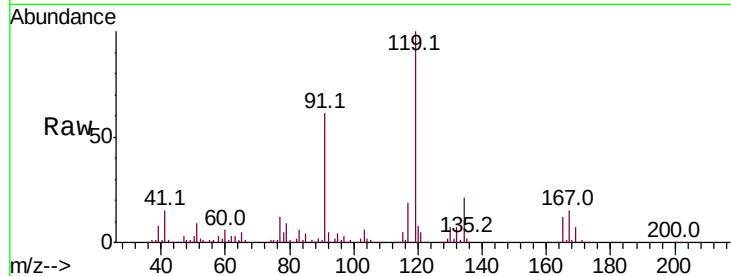
Ion Ratio Lower Upper

117 100

167 82.8 62.6 93.8

Manual Integrations
APPROVED

MMDadoda
4/5/2019 2:38:48 PM



#62

Hexachloroethane

Concen: 13.000 ug/l

RT: 12.14 min Scan# 3437

Delta R.T. -0.00 min

Lab File: VU030575.D

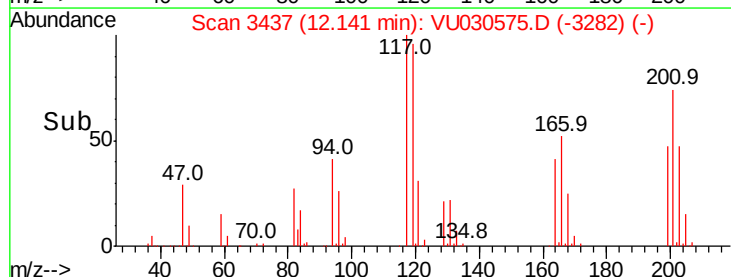
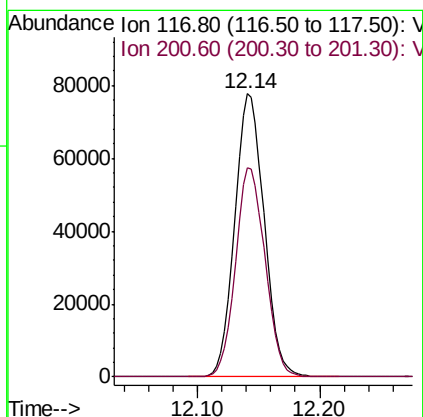
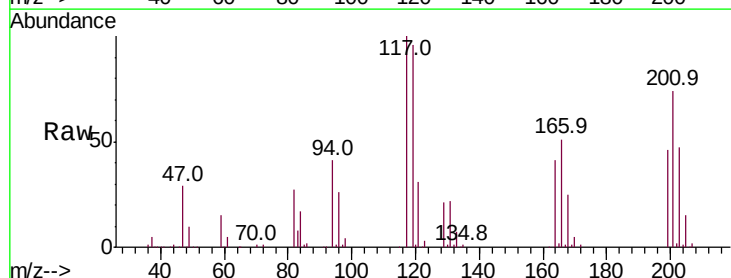
Acq: 30 Mar 2019 15:58

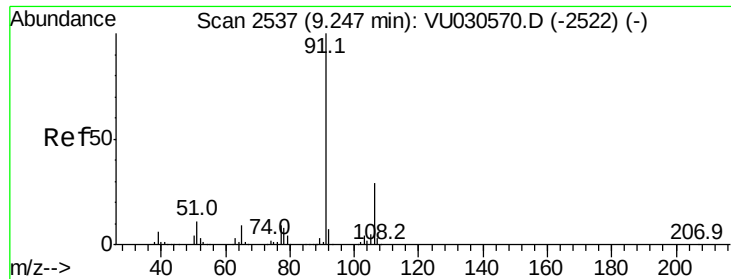
Tgt Ion:117 Resp: 129418

Ion Ratio Lower Upper

117 100

201 74.1 59.1 88.7





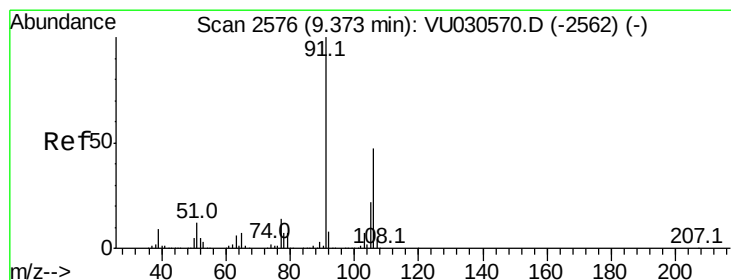
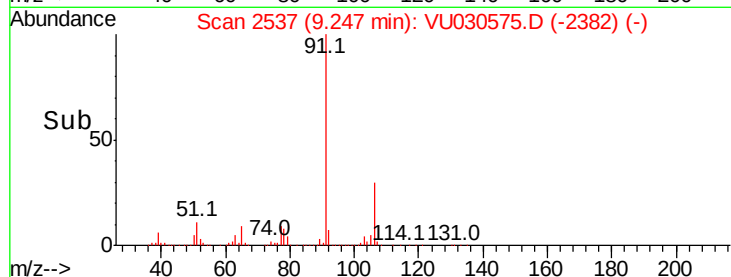
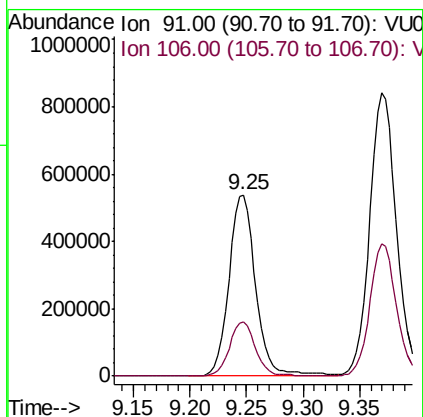
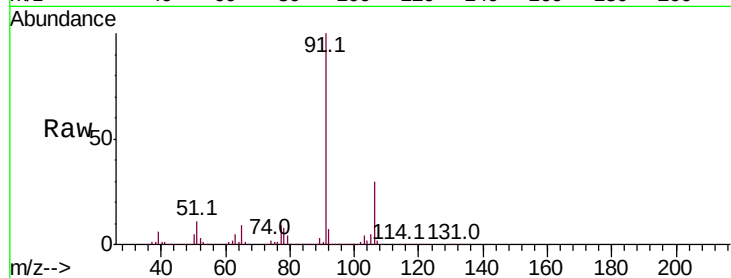
#63
Ethyl Benzene
Concen: 12.525 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. -0.00 min
Lab File: VU030575.D
Acq: 30 Mar 2019 15:58

Instrument :
MSVOA_U
ClientSampleId :
ICVVU033119

Tot Ion: 91 Resp: 889911
Ion Ratio Lower Upper
91 100
106 29.9 23.1 34.7

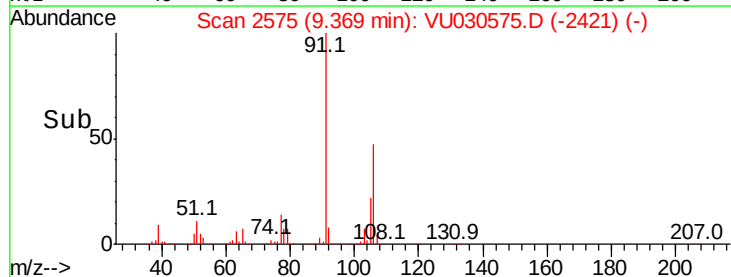
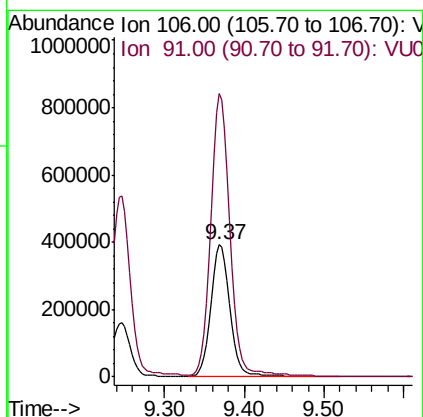
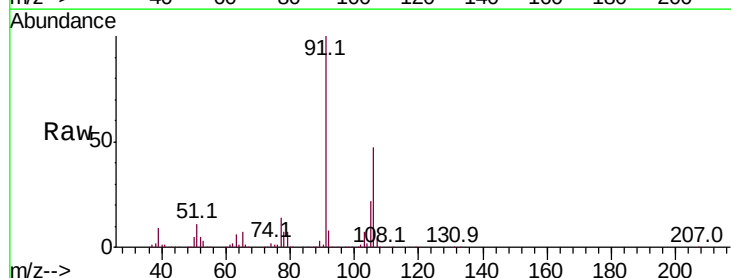
Manual Integrations
APPROVED

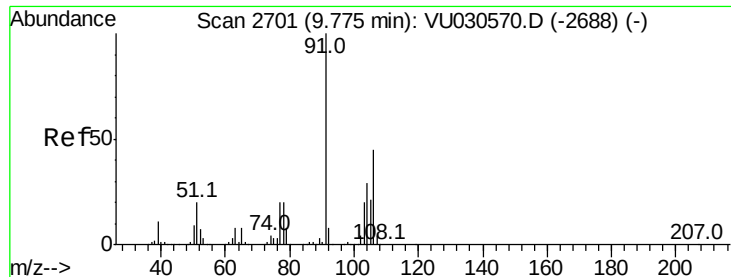
MMDadoda
4/5/2019 2:38:48 PM



#64
m/p-Xylenes
Concen: 25.198 ug/l
RT: 9.37 min Scan# 2575
Delta R.T. -0.00 min
Lab File: VU030575.D
Acq: 30 Mar 2019 15:58

Tgt Ion: 106 Resp: 654866
Ion Ratio Lower Upper
106 100
91 214.3 179.4 269.0





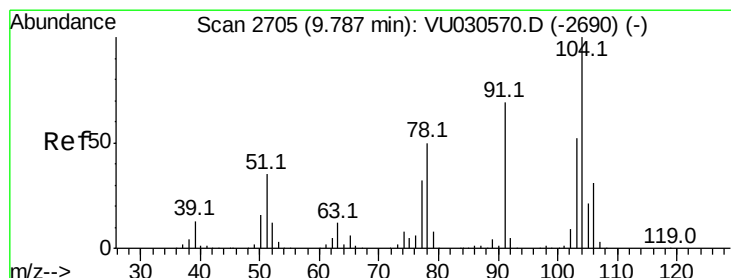
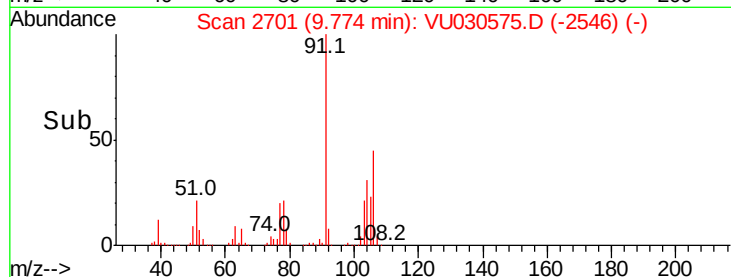
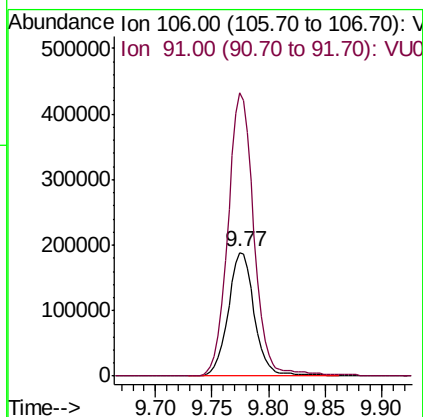
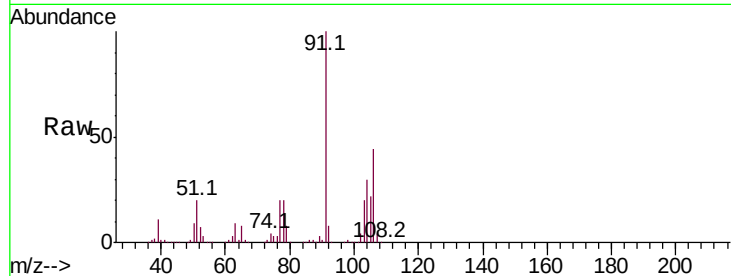
#65
o-Xylene
Concen: 12.180 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU030575.D
Acq: 30 Mar 2019 15:58

Instrument :
MSVOA_U
ClientSampleId :
ICVVU033119

Tot Ion	Ratio	Lower	Upper
106	100		
91	227.9	115.5	346.4

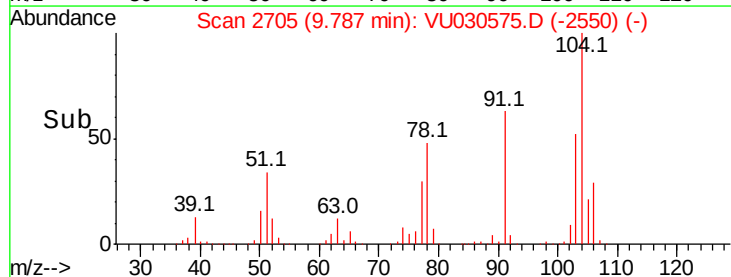
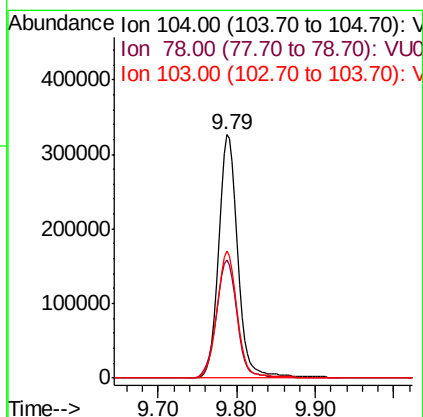
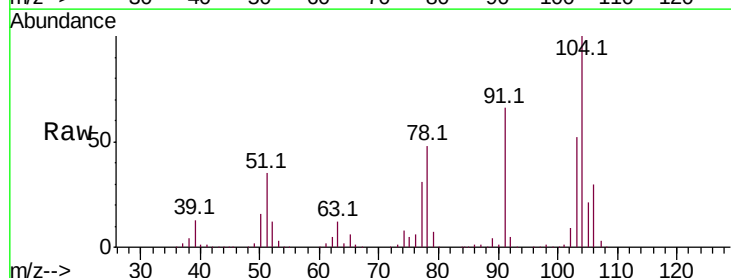
Manual Integrations
APPROVED

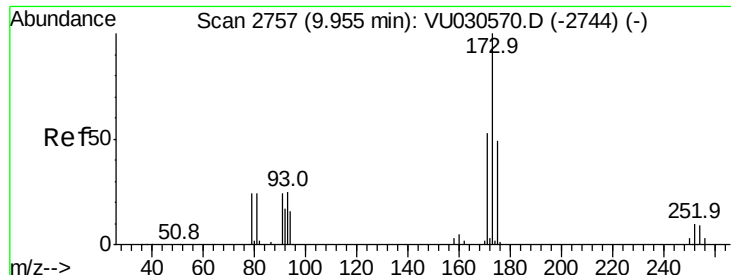
MMDadoda
4/5/2019 2:38:48 PM



#66
Styrene
Concen: 13.062 ug/l
RT: 9.79 min Scan# 2705
Delta R.T. -0.00 min
Lab File: VU030575.D
Acq: 30 Mar 2019 15:58

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.9	42.3	63.5
103	55.2	44.7	67.1





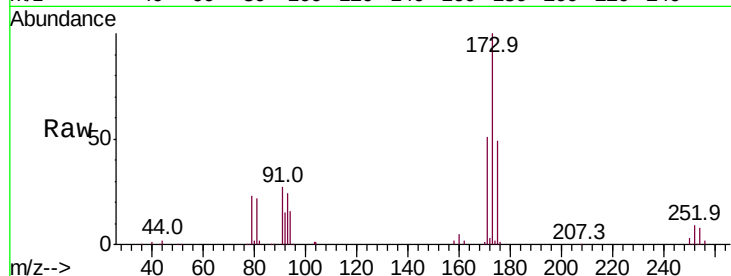
#67
Bromoform
Concen: 12.155 ug/l
RT: 9.95 min Scan# 2757
Delta R.T. -0.00 min
Lab File: VU030575.D
Acq: 30 Mar 2019 15:58

Instrument :
MSVOA_U
ClientSampleId :
ICVVU033119

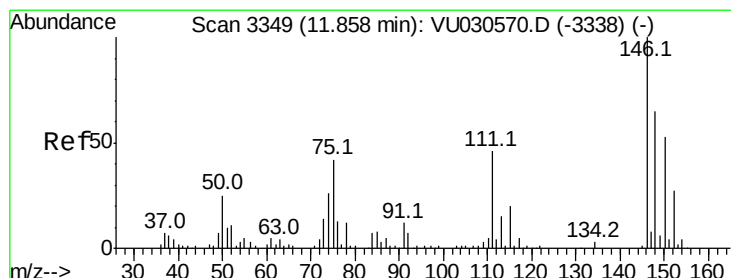
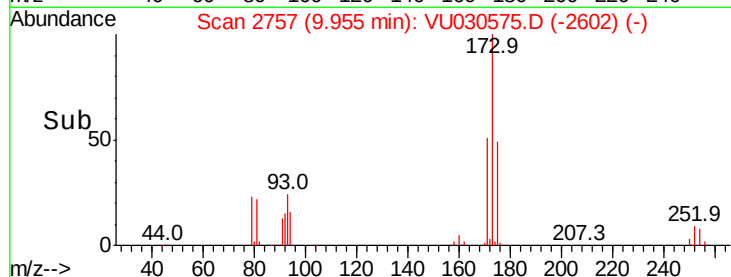
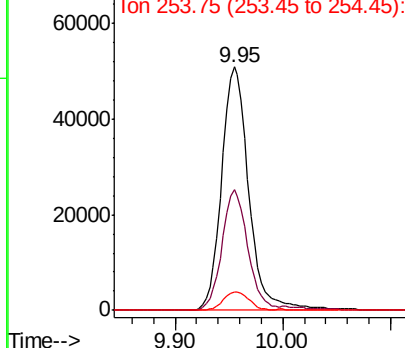
Tot Ion	Ratio	Lower	Upper
173	100		
175	46.9	38.6	57.8
254	7.4	6.9	10.3

Manual Integrations
APPROVED

MMDadoda
4/5/2019 2:38:48 PM

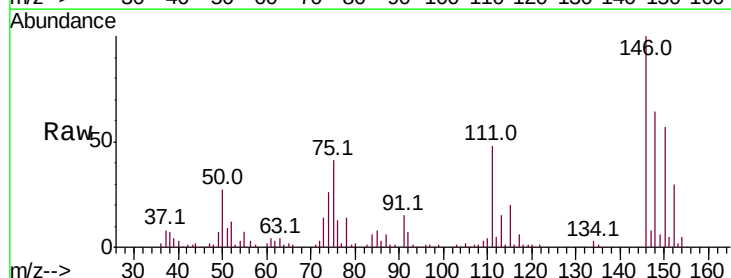


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

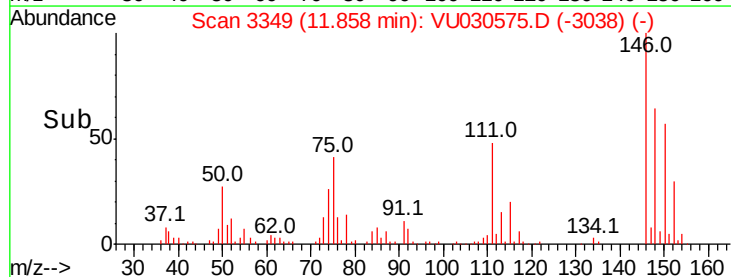
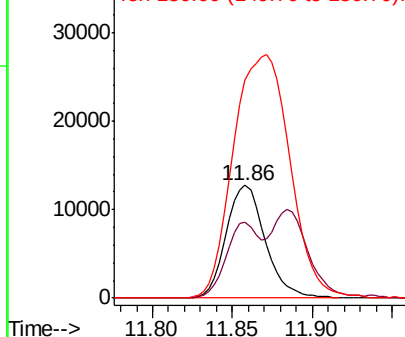


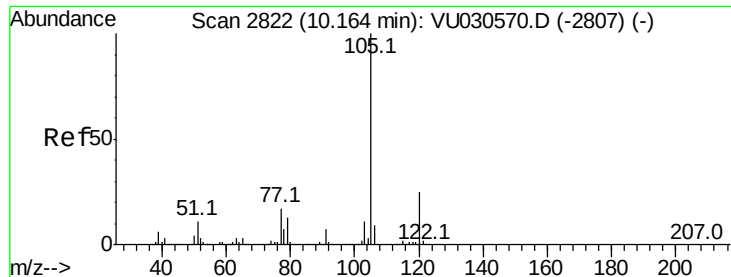
#68
1,2-Dichlorobenzene-d4
Concen: 12.155 ug/l
RT: 11.86 min Scan# 3349
Delta R.T. -0.00 min
Lab File: VU030575.D
Acq: 30 Mar 2019 15:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	0.0	136.2
150	314.6	0.0	634.6



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: 12.524 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Instrument :

MSVOA_U

ClientSampleId :

ICVVU033119

Tot Ion:105 Resp: 851504

Ion Ratio Lower Upper

105 100

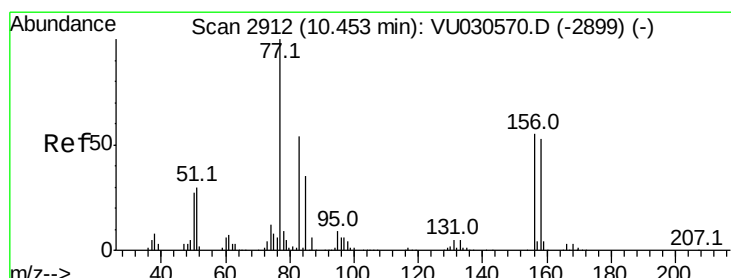
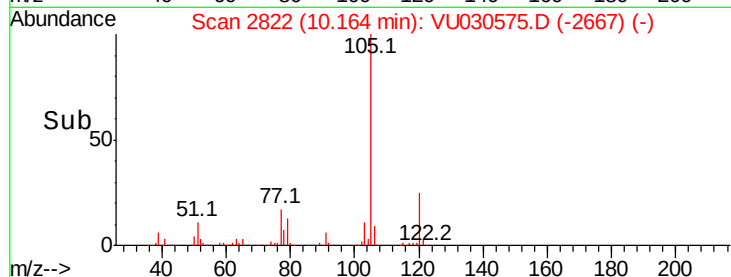
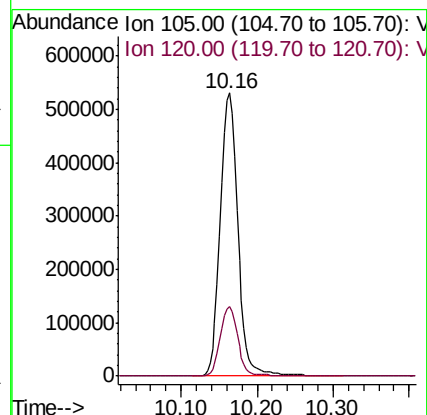
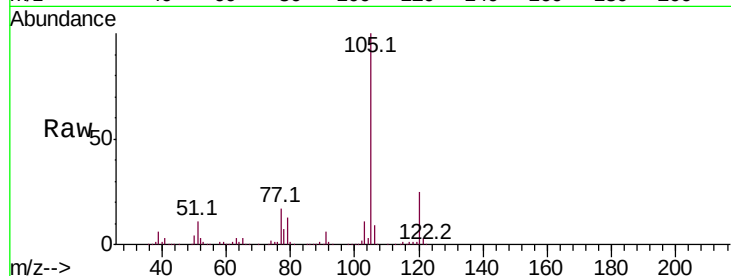
120 24.8 12.6 37.6

Manual Integrations

APPROVED

MMDadoda

4/5/2019 2:38:48 PM



#70

1,1,2,2-Tetrachloroethane

Concen: 11.089 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

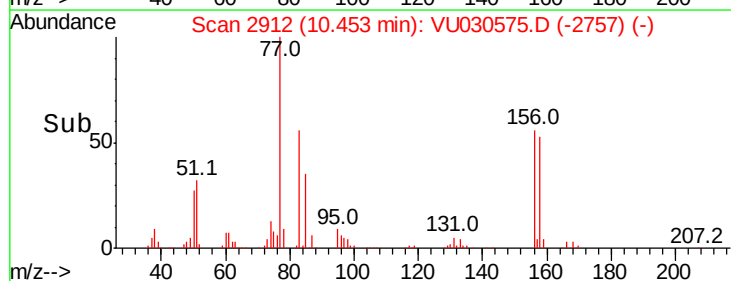
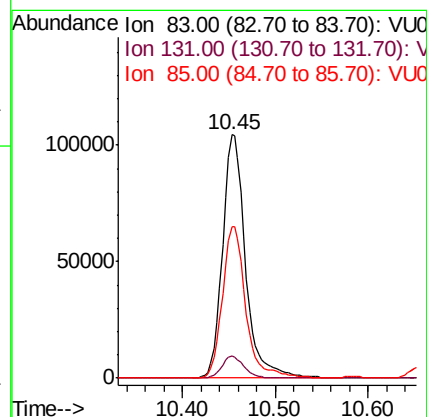
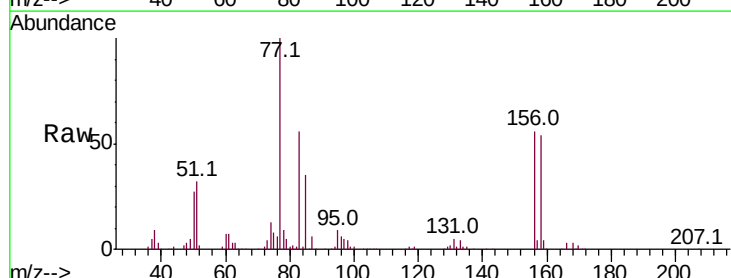
Tgt Ion: 83 Resp: 179602

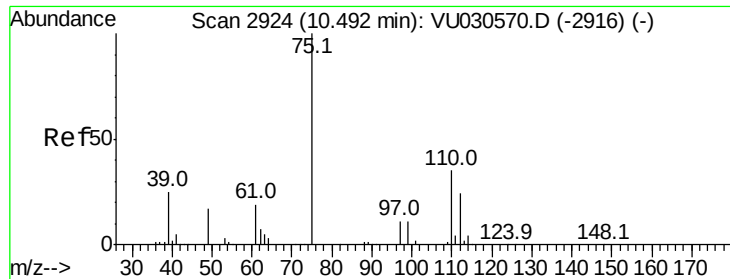
Ion Ratio Lower Upper

83 100

131 8.9 7.0 10.6

85 63.4 51.0 76.4





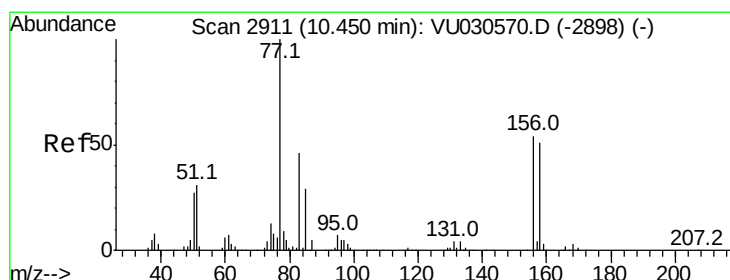
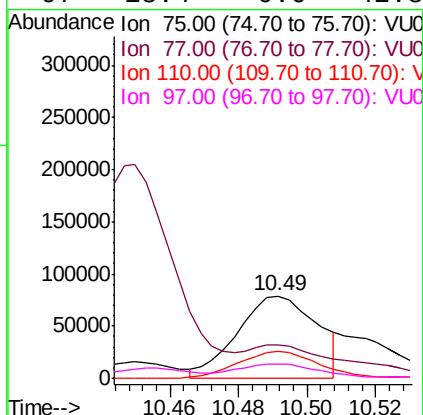
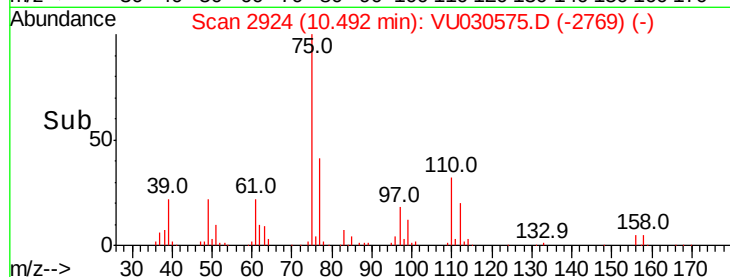
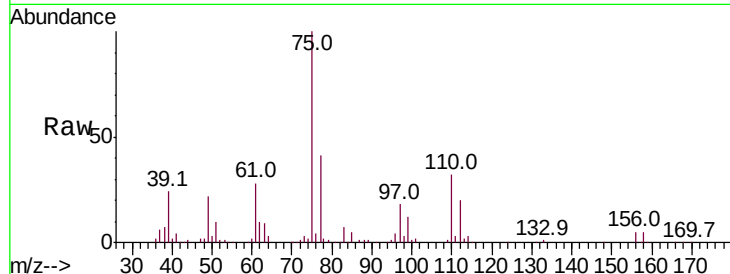
#71
 1,2,3-Trichloropropane
 Concen: 12.372 ug/l m
 RT: 10.49 min Scan# 2924
 Delta R.T. -0.00 min
 Lab File: VU030575.D
 Acq: 30 Mar 2019 15:58

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU033119

Tot Ion	Ion	Ratio	Lower	Upper
75	100			
77	48.4	0.0	0.0	#
110	33.4	0.0	83.8	
97	18.4	0.0	42.8	

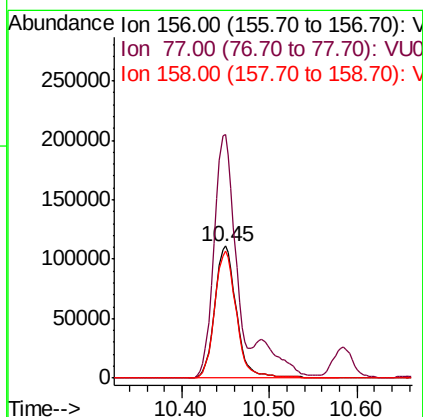
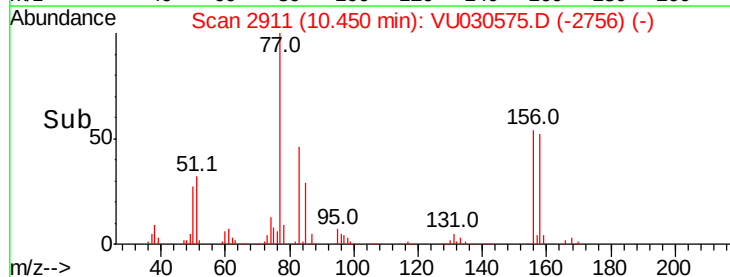
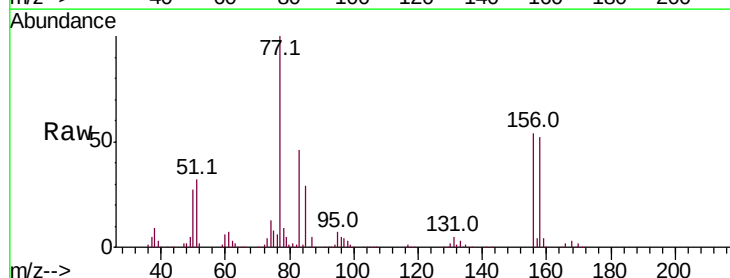
Manual Integrations
 APPROVED

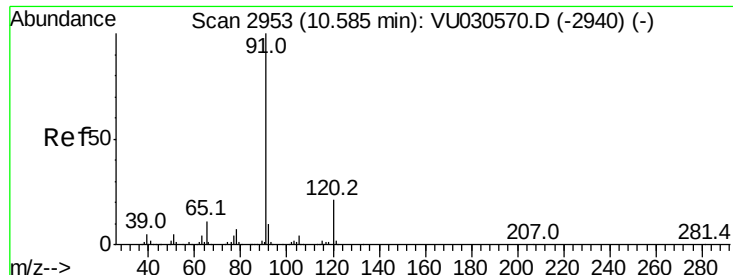
MMDadoda
 4/5/2019 2:38:48 PM



#72
 Bromobenzene
 Concen: 11.746 ug/l
 RT: 10.45 min Scan# 2911
 Delta R.T. -0.00 min
 Lab File: VU030575.D
 Acq: 30 Mar 2019 15:58

Tgt Ion	Ion	Ratio	Lower	Upper
156	100			
77	179.3	0.0	363.0	
158	96.4	0.0	193.2	





#73

n-propylbenzene

Concen: 12.664 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Instrument :

MSVOA_U

ClientSampleId :

ICVVU033119

Tot Ion:120 Resp: 220694

Ion Ratio Lower Upper

120 100

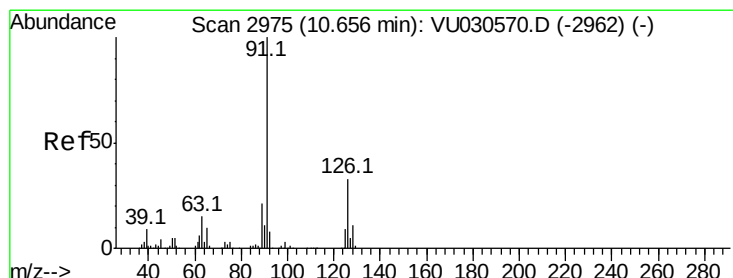
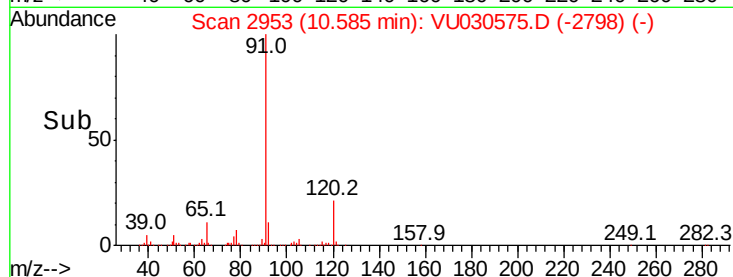
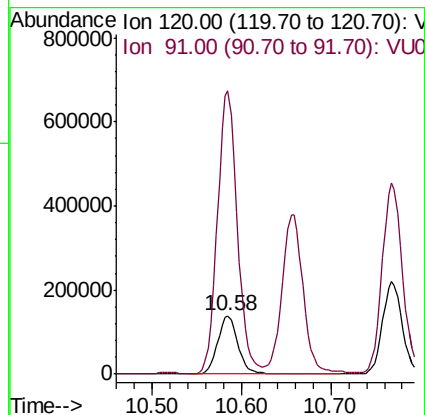
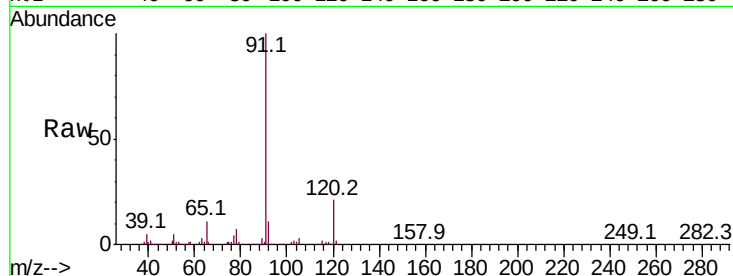
91 471.7 371.6 557.4

Manual Integrations

APPROVED

MMDadoda

4/5/2019 2:38:48 PM



#74

2-Chlorotoluene

Concen: 11.838 ug/l

RT: 10.66 min Scan# 2975

Delta R.T. -0.00 min

Lab File: VU030575.D

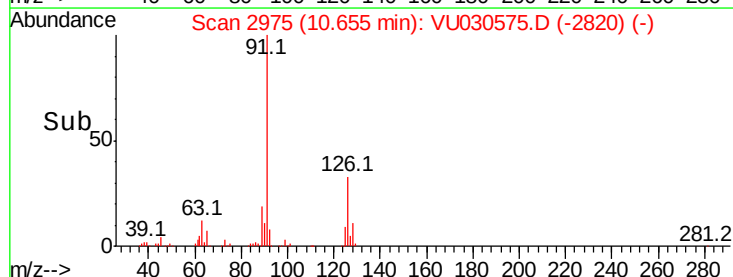
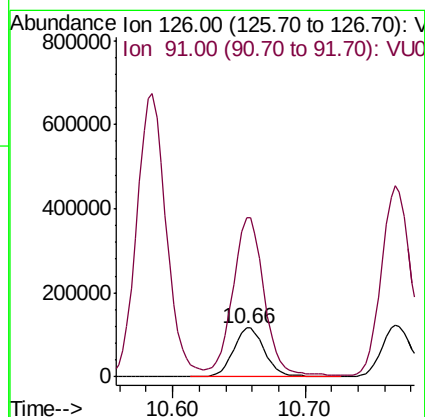
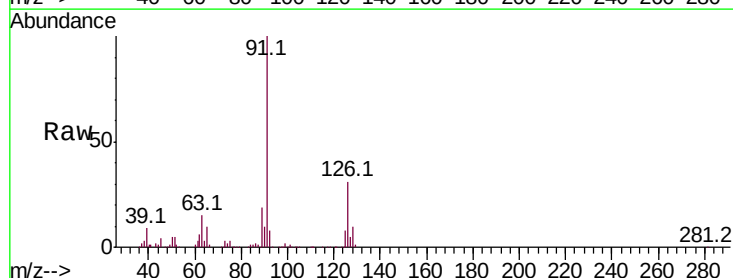
Acq: 30 Mar 2019 15:58

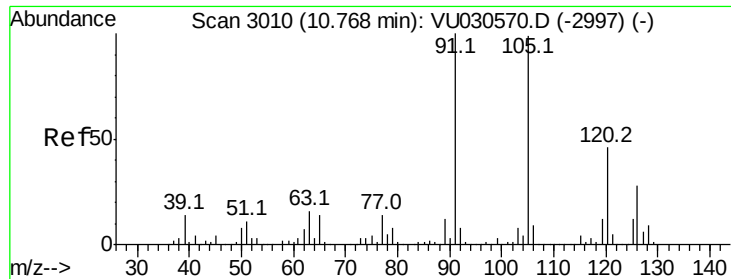
Tgt Ion:126 Resp: 191356

Ion Ratio Lower Upper

126 100

91 329.5 0.0 656.8





#75

1,3,5-Trimethylbenzene

Concen: 12.982 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Instrument :

MSVOA_U

ClientSampleId :

ICVVU033119

Tot Ion:105 Resp: 741949

Ion Ratio Lower Upper

105 100

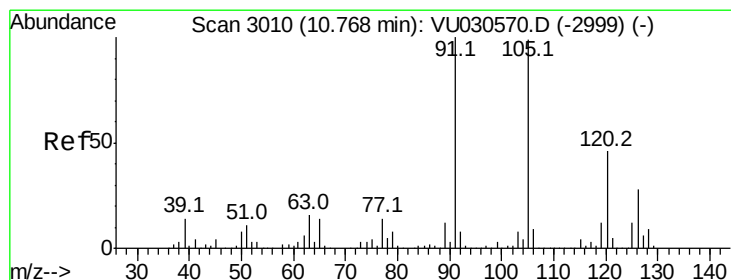
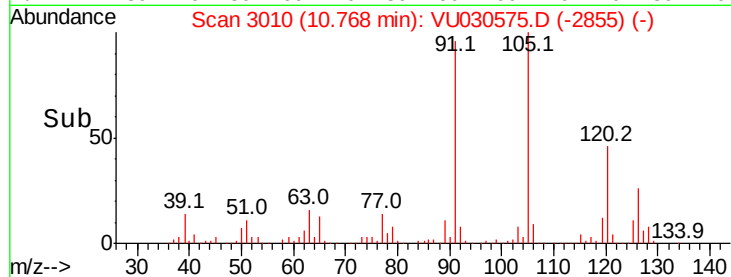
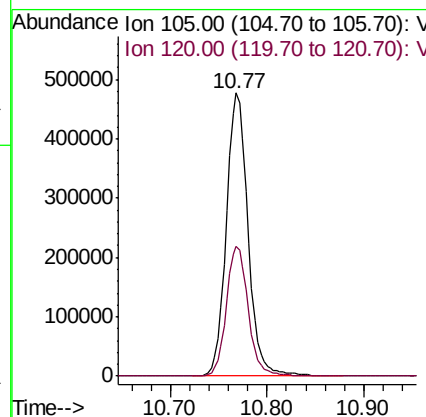
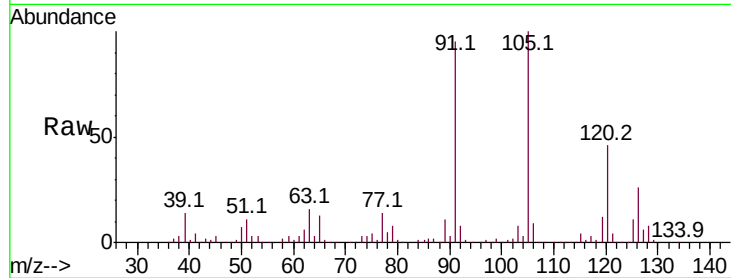
120 46.4 37.6 56.4

Manual Integrations

APPROVED

MMDadoda

4/5/2019 2:38:48 PM



#76

4-Chlorotoluene

Concen: 12.287 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU030575.D

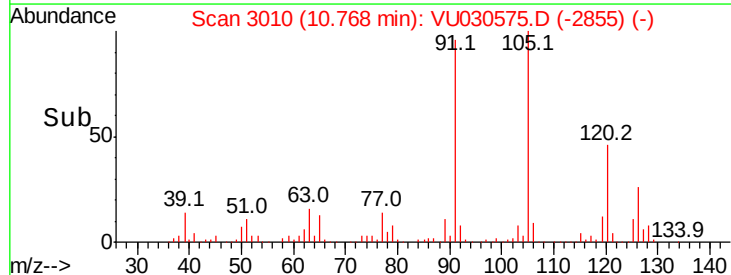
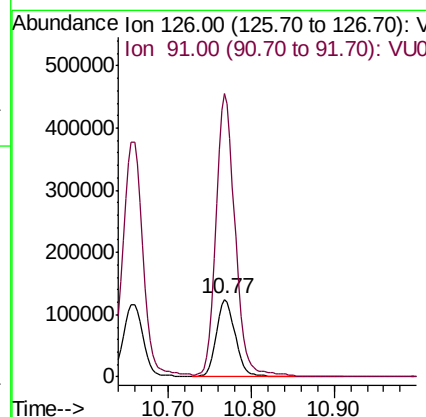
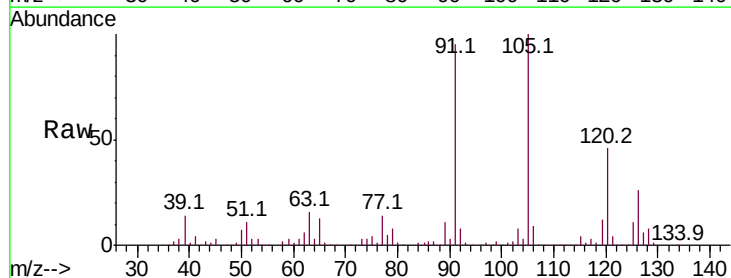
Acq: 30 Mar 2019 15:58

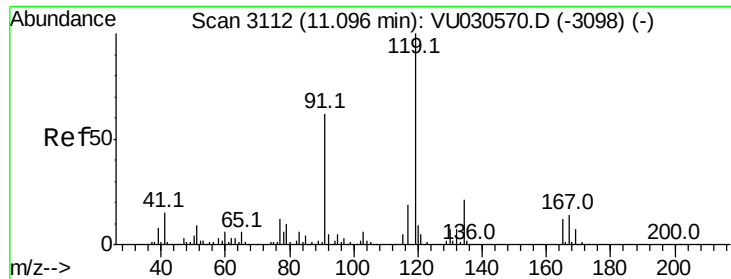
Tgt Ion:126 Resp: 201902

Ion Ratio Lower Upper

126 100

91 363.1 0.0 721.6





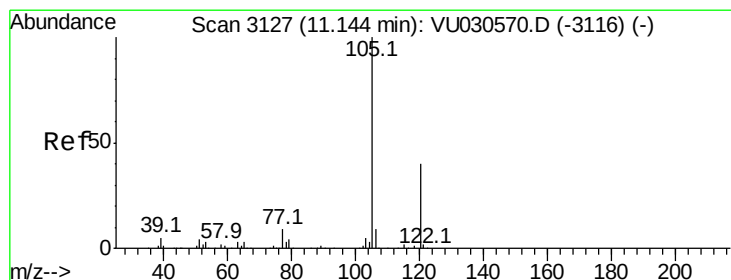
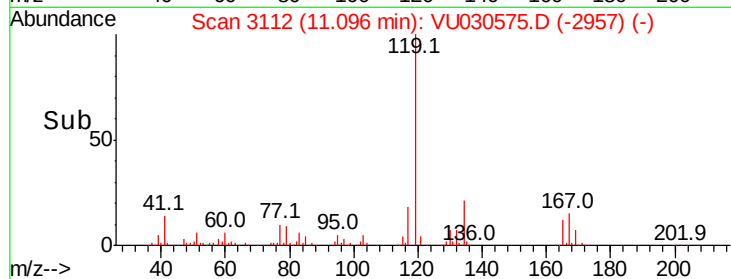
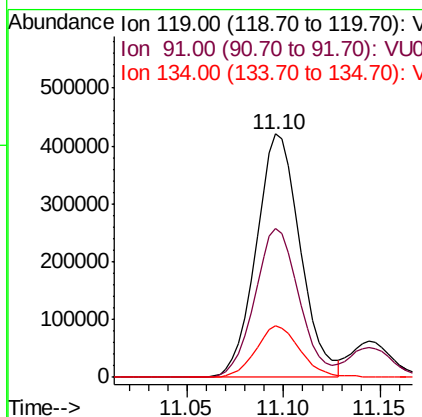
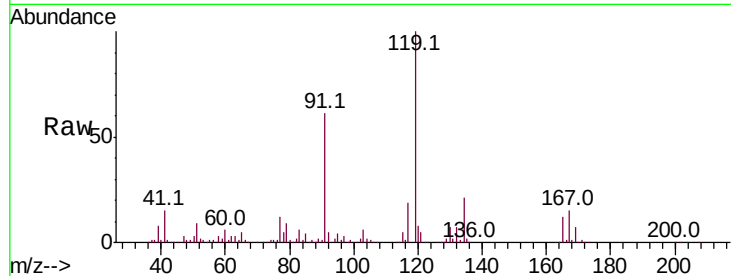
#77
tert-Butylbenzene
Concen: 12.300 ug/l
RT: 11.10 min Scan# 3112
Delta R.T. -0.00 min
Lab File: VU030575.D
Acq: 30 Mar 2019 15:58

Instrument :
MSVOA_U
ClientSampleId :
ICVVU033119

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.1	30.9	92.8
134	21.5	17.6	26.4

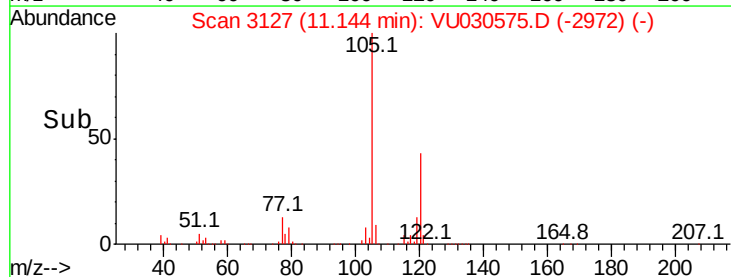
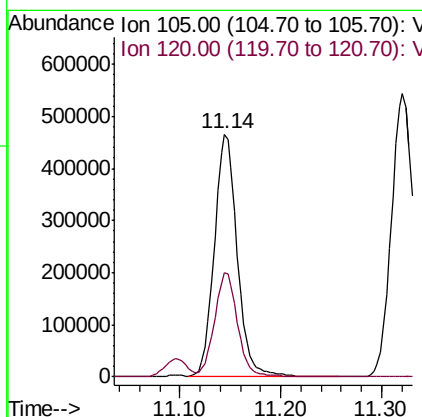
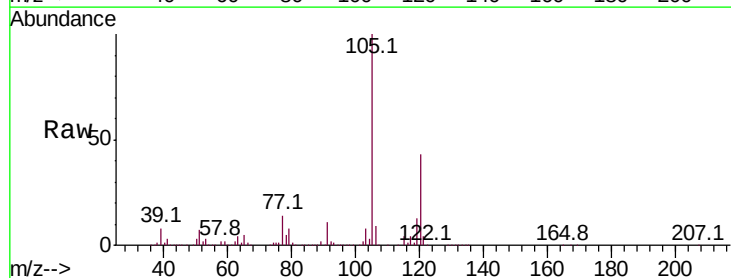
Manual Integrations
APPROVED

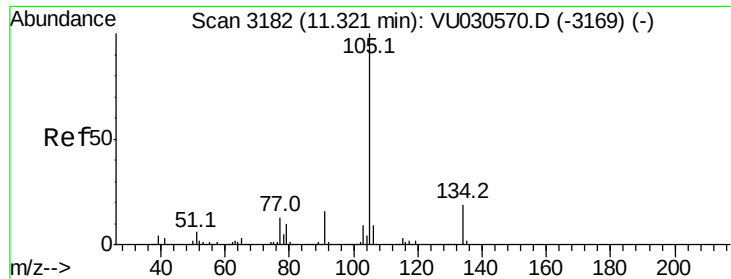
MMDadoda
4/5/2019 2:38:48 PM



#78
1,2,4-Trimethylbenzene
Concen: 12.950 ug/l
RT: 11.14 min Scan# 3127
Delta R.T. -0.00 min
Lab File: VU030575.D
Acq: 30 Mar 2019 15:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.1	66.5





#79

sec-Butylbenzene

Concen: 11.689 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Instrument :

MSVOA_U

ClientSampleId :

ICVVU033119

Tot Ion:105 Resp: 859818

Ion Ratio Lower Upper

105 100

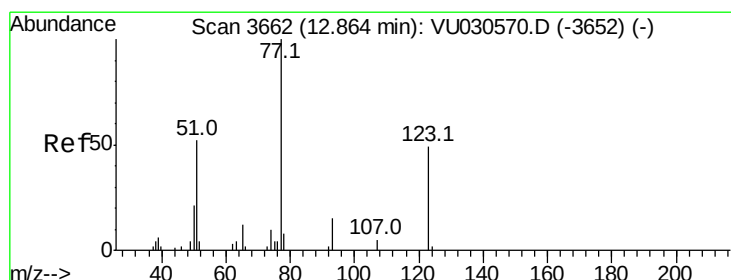
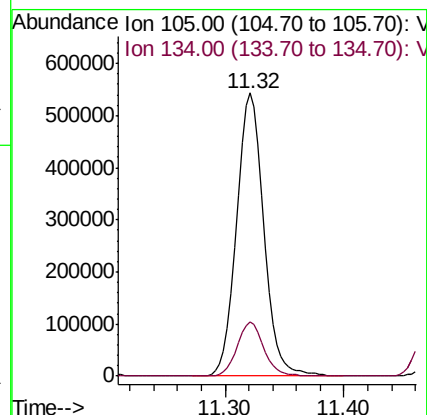
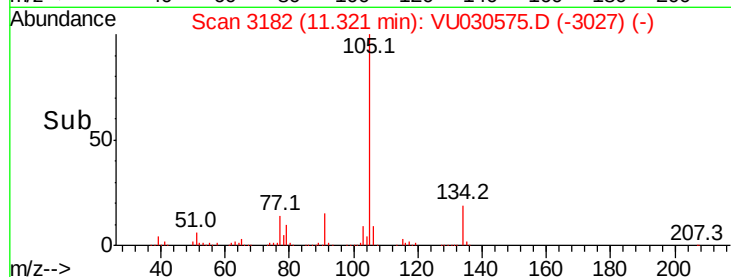
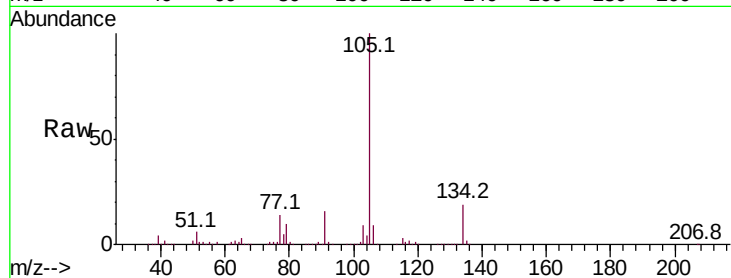
134 18.8 14.7 22.1

Manual Integrations

APPROVED

MMDadoda

4/5/2019 2:38:48 PM



#80

Nitrobenzene

Concen: 25.786 ug/l m

RT: 12.87 min Scan# 3664

Delta R.T. 0.01 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

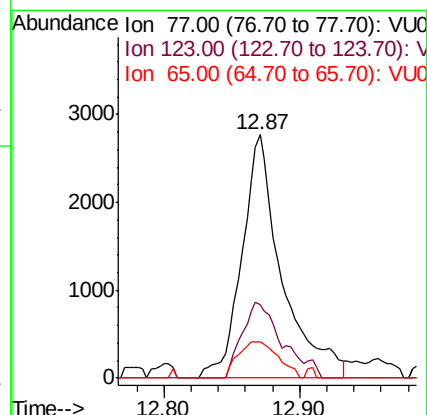
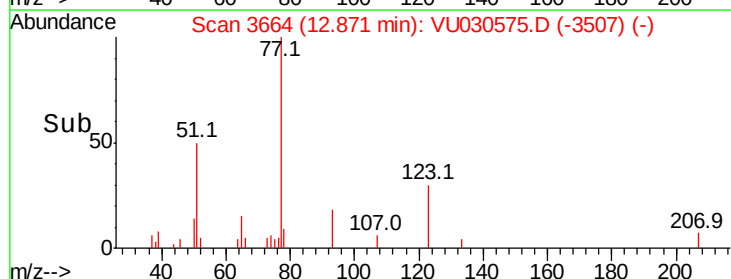
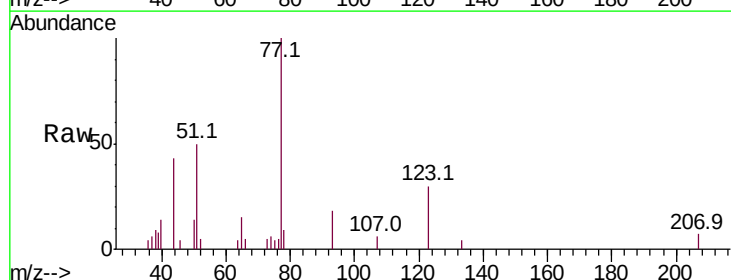
Tgt Ion: 77 Resp: 5627

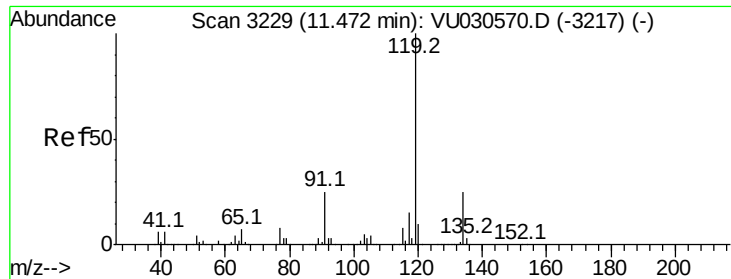
Ion Ratio Lower Upper

77 100

123 31.7 17.5 62.1

65 15.1 8.1 10.3#





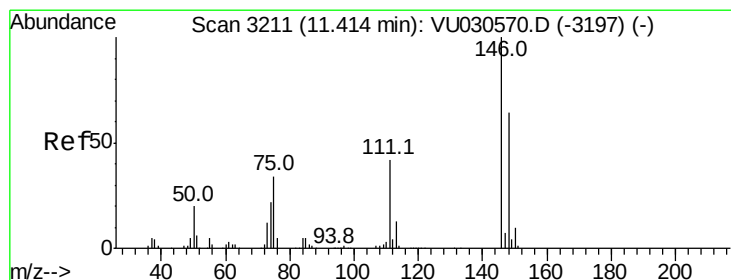
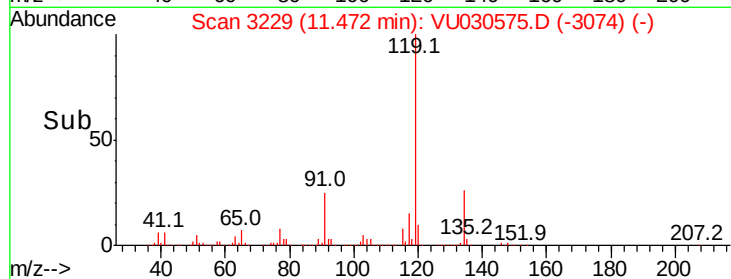
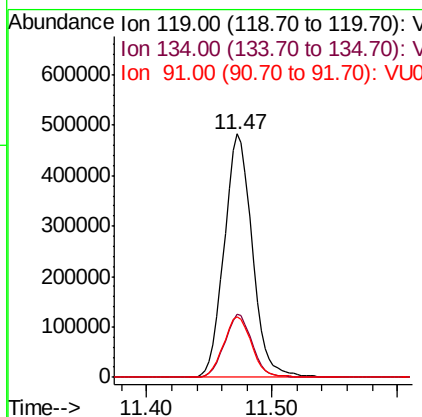
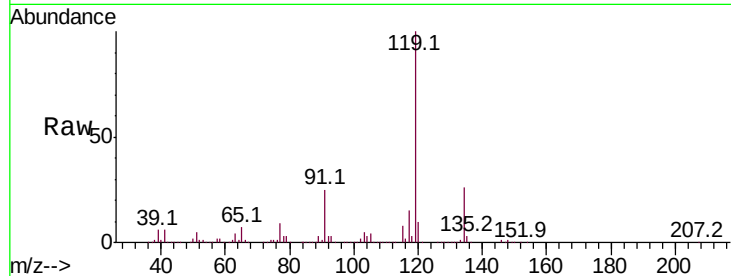
#81
 p-Isopropyltoluene
 Concen: 13.183 ug/l
 RT: 11.47 min Scan# 3229
 Delta R.T. -0.00 min
 Lab File: VU030575.D
 Acq: 30 Mar 2019 15:58

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU033119

Tot Ion	Ratio	Resp	Lower	Upper
119	100	744823		
134	25.6		20.6	31.0
91	25.0		20.4	30.6

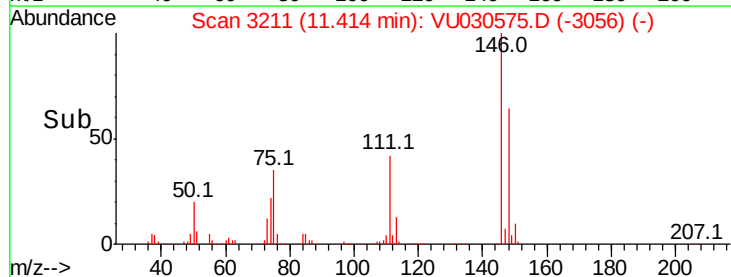
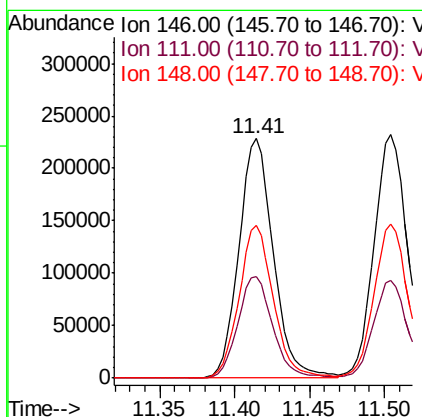
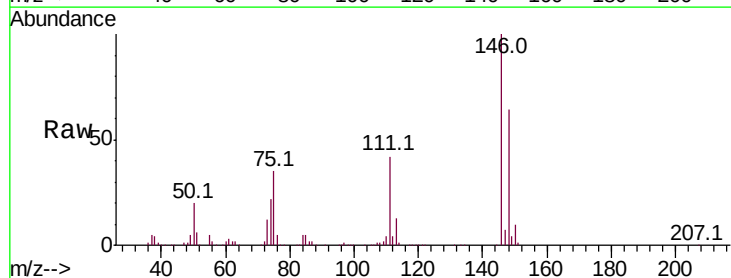
Manual Integrations
 APPROVED

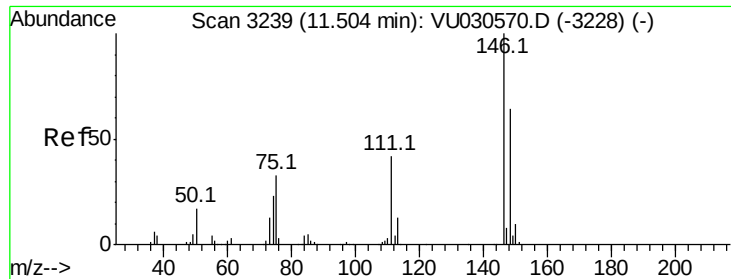
MMDadoda
 4/5/2019 2:38:48 PM



#82
 1,3-Dichlorobenzene
 Concen: 11.233 ug/l
 RT: 11.41 min Scan# 3211
 Delta R.T. -0.00 min
 Lab File: VU030575.D
 Acq: 30 Mar 2019 15:58

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	366171		
111	42.9		34.0	51.0
148	63.5		51.0	76.6





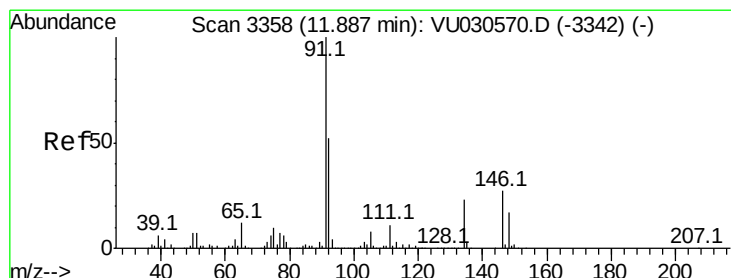
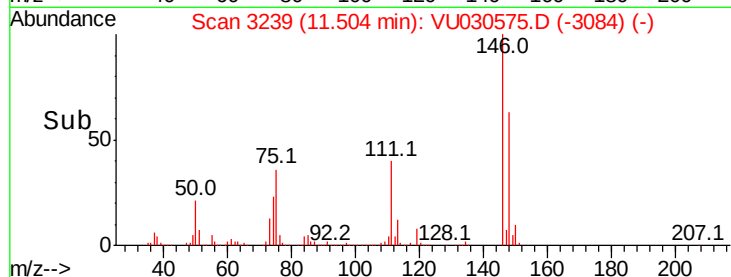
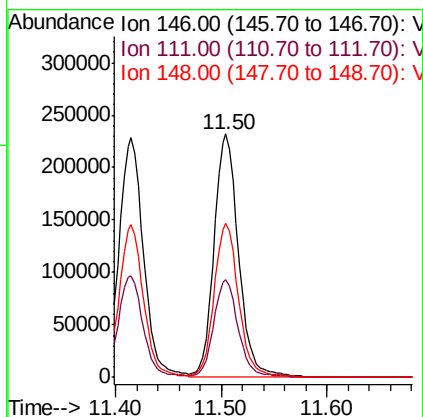
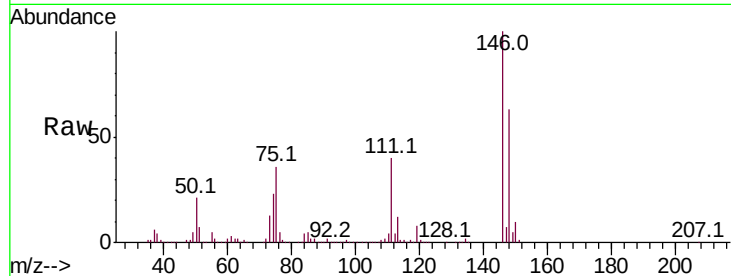
#83
1,4-Dichlorobenzene
Concen: 11.431 ug/l
RT: 11.50 min Scan# 3239
Delta R.T. -0.00 min
Lab File: VU030575.D
Acq: 30 Mar 2019 15:58

Instrument :
MSVOA_U
ClientSampleId :
ICVVU033119

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	32.8	49.2
148	63.5	50.5	75.7

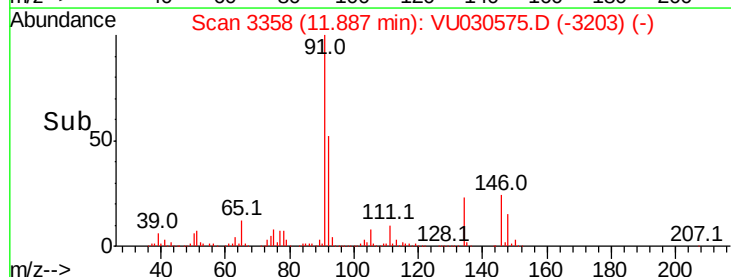
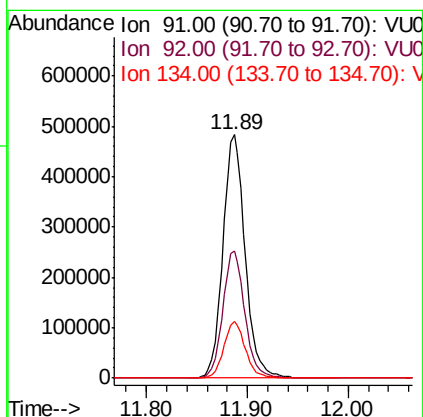
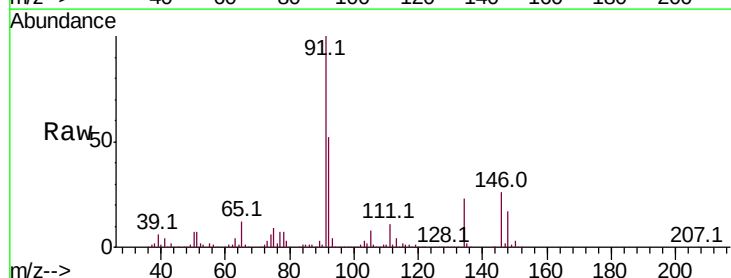
Manual Integrations
APPROVED

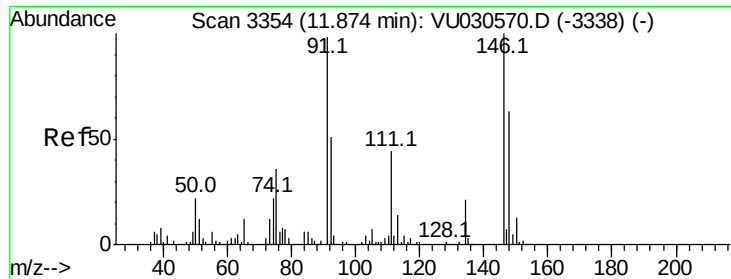
MMDadoda
4/5/2019 2:38:48 PM



#84
n-Butylbenzene
Concen: 13.590 ug/l
RT: 11.89 min Scan# 3358
Delta R.T. -0.00 min
Lab File: VU030575.D
Acq: 30 Mar 2019 15:58

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.9	41.7	62.5
134	22.8	18.3	27.5





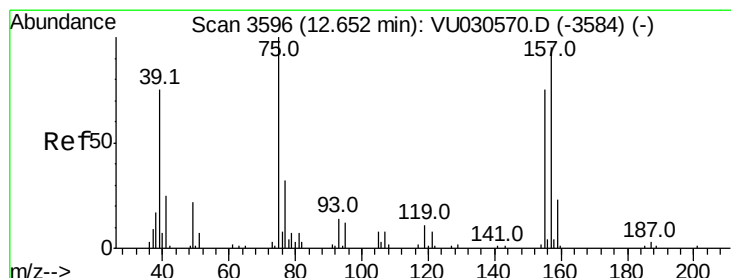
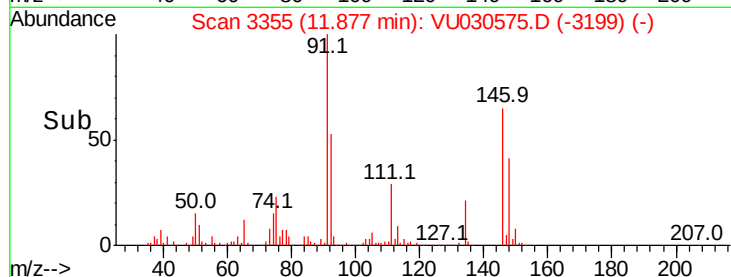
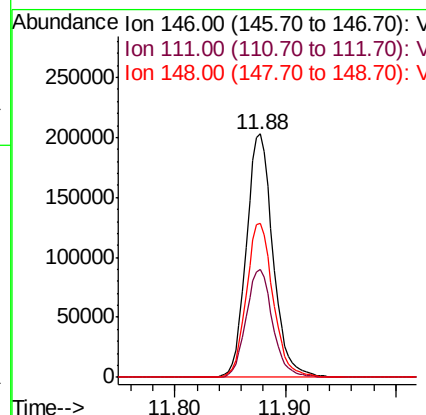
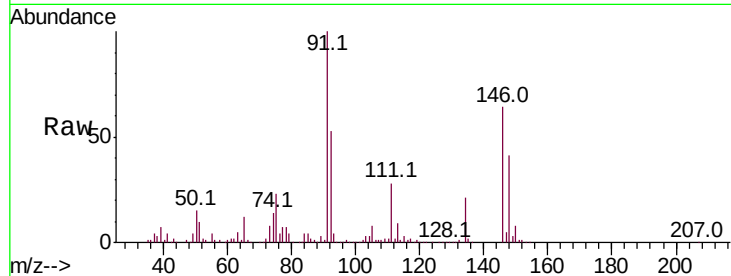
#85
 1,2-Dichlorobenzene
 Concen: 11.031 ug/l
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU030575.D
 Acq: 30 Mar 2019 15:58

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU033119

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.9	65.5
148	64.0	31.5	94.5

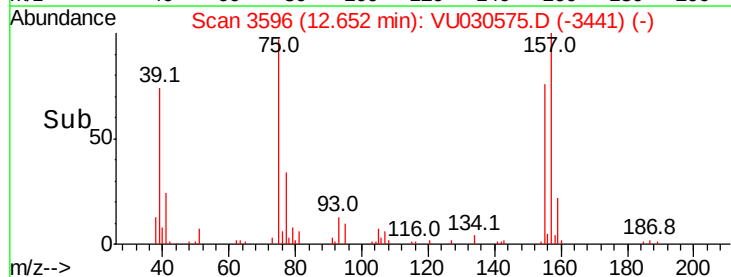
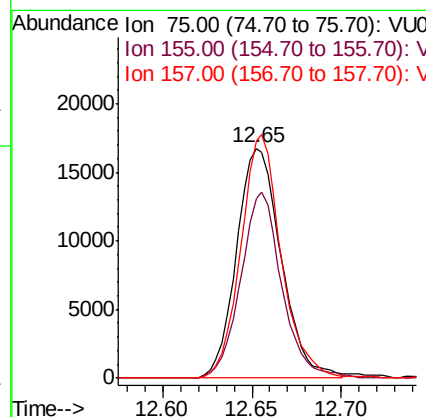
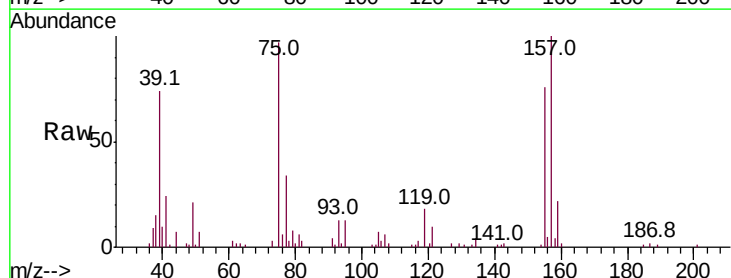
Manual Integrations
 APPROVED

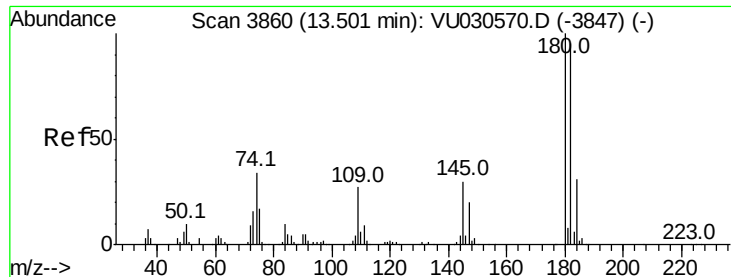
MMDadoda
 4/5/2019 2:38:48 PM



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 12.288 ug/l
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU030575.D
 Acq: 30 Mar 2019 15:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.7	59.7	89.5
157	96.1	73.7	110.5





#87

1,2,4-Trichlorobenzene

Concen: 13.743 ug/l

RT: 13.50 min Scan# 3860

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Instrument :

MSVOA_U

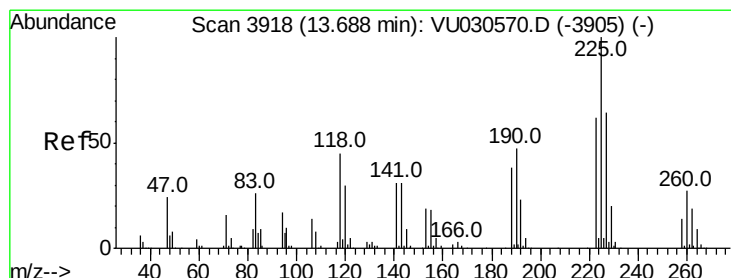
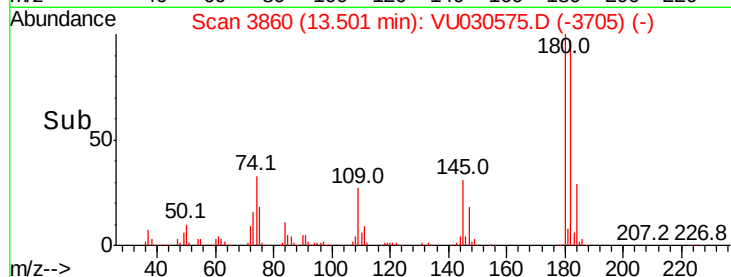
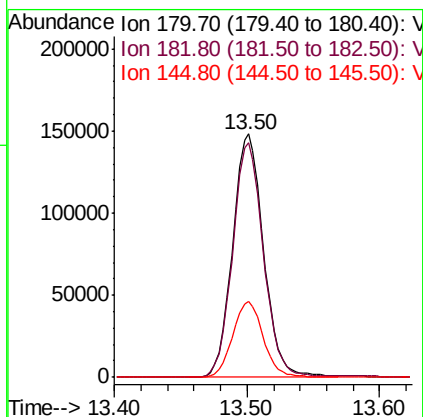
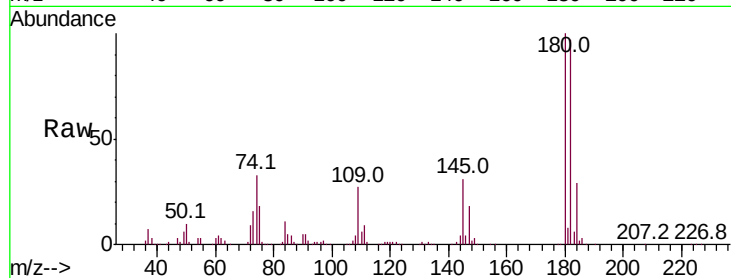
ClientSampleId :

ICVVU033119

Tot Ion:	180	Resp:	240656
Ion Ratio	Lower	Upper	
180	100		
182	96.0	76.0	114.0
145	30.7	24.3	36.5

Manual Integrations
APPROVED

MMDadoda
4/5/2019 2:38:48 PM



#88

Hexachlorobutadiene

Concen: 12.329 ug/l

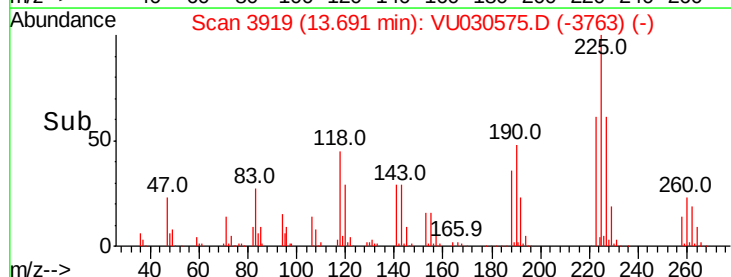
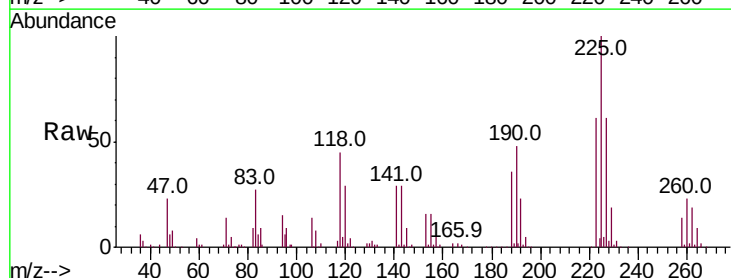
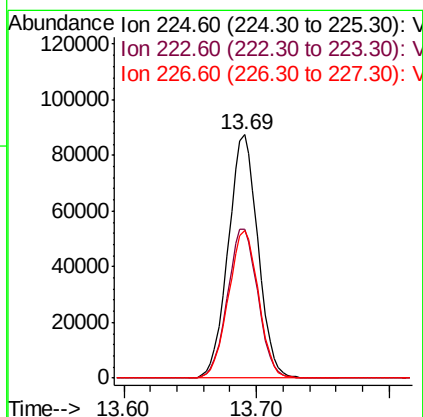
RT: 13.69 min Scan# 3919

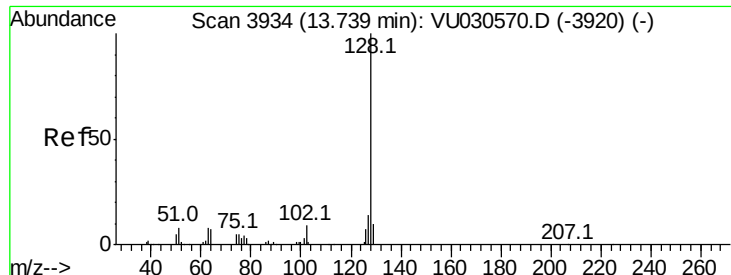
Delta R.T. 0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Tgt Ion:	225	Resp:	136132
Ion Ratio	Lower	Upper	
225	100		
223	62.7	50.7	76.1
227	61.5	50.8	76.2





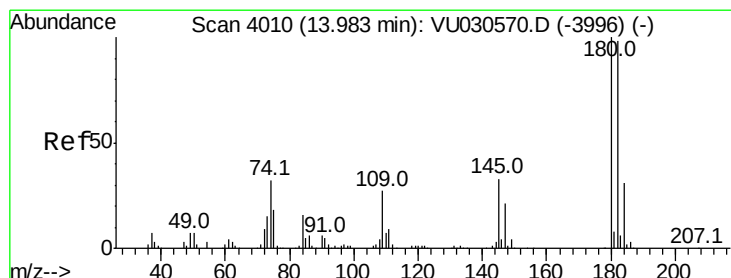
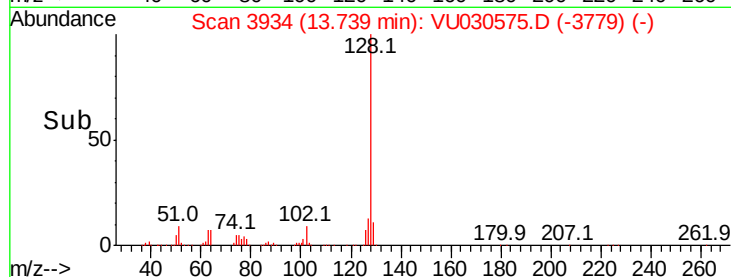
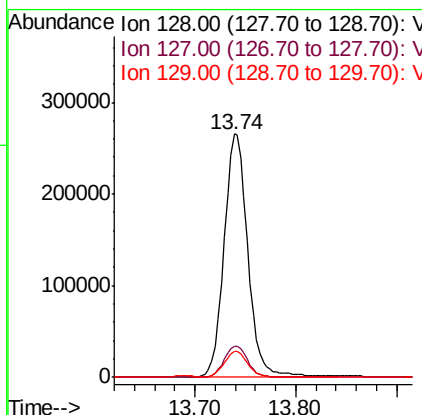
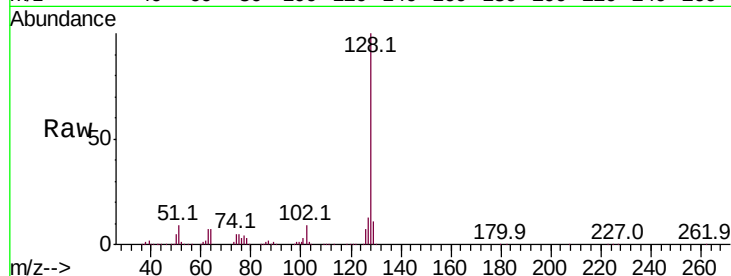
#89
Naphthalene
Concen: 14.401 ug/l
RT: 13.74 min Scan# 3934
Delta R.T. -0.00 min
Lab File: VU030575.D
Acq: 30 Mar 2019 15:58

Instrument :
MSVOA_U
ClientSampleId :
ICVVU033119

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.4	7.8	11.8

Manual Integrations
APPROVED

MMDadoda
4/5/2019 2:38:48 PM



#90
1,2,3-Trichlorobenzene
Concen: 13.430 ug/l
RT: 13.98 min Scan# 4010
Delta R.T. -0.00 min
Lab File: VU030575.D
Acq: 30 Mar 2019 15:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.6	114.8
145	30.9	25.9	38.9

