

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U050520\
 Data File : VU038009.D
 Acq On : 05 May 2020 10:29
 Operator : JC/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

apatel
 5/6/2020 10:39:11 AM

Quant Time: May 06 01:02:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U050420DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue May 05 02:20:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	6.15	96	86212	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.65	95	37186	1.11	ug/l	0.00
Spiked Amount 1.000			Recovery	=	111.00%	
68) 1,2-Dichlorobenzene-d4	12.21	152	31428	0.97	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.39	85	292562	9.998	ug/l	99
3) Chloromethane	1.54	50	333226	9.618	ug/l	100
4) Vinyl Chloride	1.62	62	340821	9.876	ug/l	99
5) Bromomethane	1.87	94	174517	8.428	ug/l	99
6) Chloroethane	1.95	64	200568	9.729	ug/l	97
7) Trichlorofluoromethane	2.16	101	363454	10.103	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.61	101	230055	10.258	ug/l	98
9) 1,1-Dichloroethene	2.60	96	221955	9.857	ug/l	99
10) Iodomethane	2.75	142	221801	10.237	ug/l	99
11) Allyl Chloride	2.95	41	421511	10.090	ug/l	99
12) Acrylonitrile	3.35	53	129241	20.996	ug/l	98
13) Acetone	2.65	43	257870	52.374	ug/l	99
14) Carbon Disulfide	2.82	76	800997	9.742	ug/l	100
15) Methylene Chloride	3.07	84	256193	9.738	ug/l	99
16) trans-1,2-Dichloroethene	3.38	96	245530	9.965	ug/l	97
17) 1,1-Dichloroethane	3.91	63	469479	10.046	ug/l	99
18) 2-Butanone	4.75	43	373412	50.580	ug/l	100
19) Cyclohexane	5.42	56	452779m	9.991	ug/l	
20) Methylcyclohexane	6.79	83	460144	10.358	ug/l	99
21) 2,2-Dichloropropane	4.70	77	388873	9.957	ug/l	100
22) cis-1,2-Dichloroethene	4.71	96	261497	10.039	ug/l	98
23) Diethyl Ether	2.40	59	201341	10.195	ug/l	99
24) tert-Butyl Alcohol	3.22	59	186387	85.048	ug/l	98
25) Methyl tert-Butyl Ether	3.40	73	623515	10.106	ug/l	99
26) Bromochloromethane	5.01	128	104760	9.993	ug/l	97
27) Chloroform	5.13	83	432131	9.860	ug/l	100
28) 1,1,1-Trichloroethane	5.35	97	360832	9.991	ug/l	99
29) 1,1-Dichloropropene	5.56	75	365213	10.047	ug/l	99
30) Carbon Tetrachloride	5.56	117	303733	10.051	ug/l	99
31) Isopropyl Ether	4.04	45	777516	10.110	ug/l	99
32) Ethyl-t-butyl ether	4.55	59	679381	9.783	ug/l	99
33) Tert-Amyl methyl ether	5.98	73	588286	9.829	ug/l	100
34) Propionitrile	4.82	54	100555	47.574	ug/l	99
35) Benzene	5.81	78	1016048	9.989	ug/l	100
36) 1,2-Dichloroethane	5.83	62	302943	10.067	ug/l	100
37) Trichloroethene	6.57	130	256443	9.602	ug/l	96
38) 1,2-Dichloropropane	6.82	63	271482	9.919	ug/l	98
39) Methacrylonitrile	5.02	41	96363	9.733	ug/l	99
40) Methyl acrylate	4.89	55	150391	10.308	ug/l	99
41) Tetrahydrofuran	5.10	42	93305	18.893	ug/l	99
42) 1-Chlorobutane	5.49	56	525542	10.035	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050520\
 Data File : VU038009.D
 Acq On : 05 May 2020 10:29
 Operator : JC/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

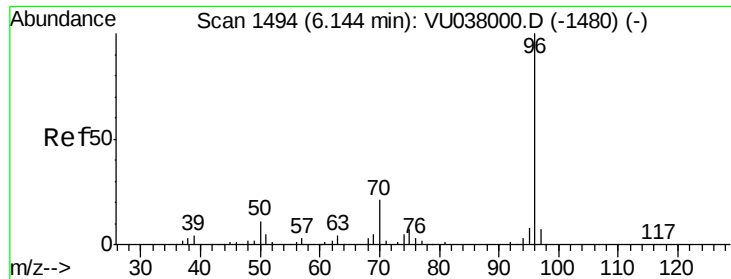
Manual Integrations
 APPROVED

apatel
 5/6/2020 10:39:11 AM

Quant Time: May 06 01:02:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U050420DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue May 05 02:20:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.95	93	128873	10.107	ug/l	98
44) Bromodichloromethane	7.13	83	325721	10.170	ug/l	100
45) 4-Methyl-2-Pentanone	7.82	43	878120	50.531	ug/l	99
46) t-1,4-Dichloro-2-butene	10.85	75	117980m	21.956	ug/l	
47) Methyl methacrylate	6.99	69	268243	20.687	ug/l	98
48) Ethyl methacrylate	8.36	69	245671	10.234	ug/l	99
49) Toluene	7.99	92	648947	10.091	ug/l	99
50) t-1,3-Dichloropropene	8.23	75	329394	10.067	ug/l	100
51) cis-1,3-Dichloropropene	7.63	75	398815	10.150	ug/l	99
52) 1,1,2-Trichloroethane	8.43	97	181119	10.031	ug/l	98
53) 1,3-Dichloropropane	8.60	76	344386	10.160	ug/l	100
54) 2-Hexanone	8.71	43	614511	50.099	ug/l	100
55) Dibromochloromethane	8.83	129	204676	10.231	ug/l	100
56) 1,2-Dibromoethane	8.95	107	169486	9.951	ug/l	99
58) Tetrachloroethene	8.57	164	252735	10.139	ug/l	99
59) Chlorobenzene	9.47	112	682009	9.988	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.56	131	207618	10.015	ug/l	98
61) Pentachloroethane	11.45	117	150217	9.674	ug/l	98
62) Hexachloroethane	12.49	117	156174	9.663	ug/l	99
63) Ethyl Benzene	9.59	91	1236129	10.175	ug/l	100
64) m/p-Xylenes	9.71	106	962014	20.574	ug/l	100
65) o-Xylene	10.12	106	456503	10.016	ug/l	99
66) Styrene	10.13	104	779139	10.375	ug/l	99
67) Bromoform	10.31	173	106744	10.144	ug/l	99
69) Isopropylbenzene	10.50	105	1205331	10.128	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.80	83	233096	10.074	ug/l	96
71) 1,2,3-Trichloropropane	10.84	75	150106m	8.773	ug/l	
72) Bromobenzene	10.80	156	266550	10.027	ug/l	99
73) n-propylbenzene	10.92	120	334778	10.251	ug/l	96
74) 2-Chlorotoluene	11.00	126	274712	10.022	ug/l	99
75) 1,3,5-Trimethylbenzene	11.10	105	1023942	10.395	ug/l	99
76) 4-Chlorotoluene	11.11	126	289526	10.170	ug/l	100
77) tert-Butylbenzene	11.44	119	937341	9.997	ug/l	99
78) 1,2,4-Trimethylbenzene	11.48	105	1038832	10.242	ug/l	99
79) sec-Butylbenzene	11.66	105	1375249	10.240	ug/l	100
80) Nitrobenzene	13.23	77	32108	46.808	ug/l	98
81) p-Isopropyltoluene	11.81	119	1125097	10.380	ug/l	100
82) 1,3-Dichlorobenzene	11.76	146	541113	9.831	ug/l	100
83) 1,4-Dichlorobenzene	11.85	146	539266	9.678	ug/l	100
84) n-Butylbenzene	12.22	91	1131766	10.459	ug/l	100
85) 1,2-Dichlorobenzene	12.23	146	508482	9.925	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	13.02	75	36356	9.979	ug/l	97
87) 1,2,4-Trichlorobenzene	13.87	180	358045	9.558	ug/l	99
88) Hexachlorobutadiene	14.06	225	155507	9.285	ug/l	97
89) Naphthalene	14.12	128	718473	9.975	ug/l	100
90) 1,2,3-Trichlorobenzene	14.37	180	326748	9.791	ug/l	99

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.15 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VU038009.D

Acq: 05 May 2020 10:29

Instrument :

MSVOA_U

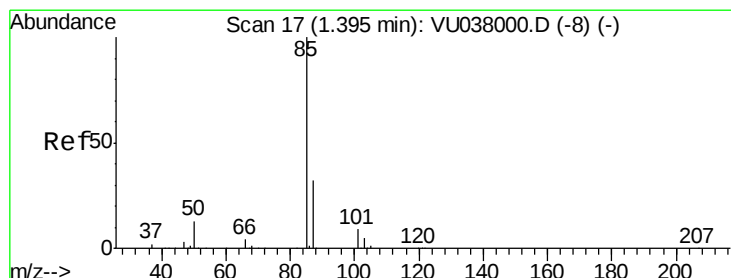
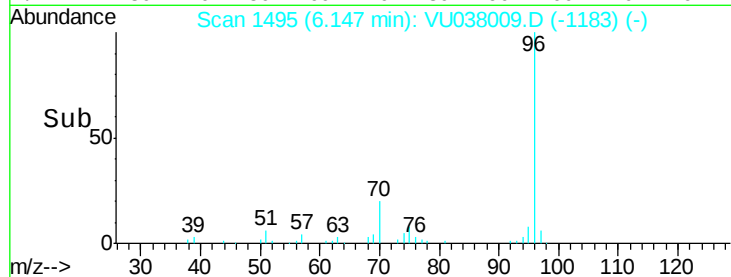
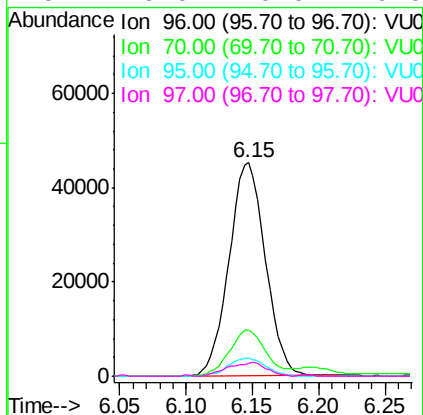
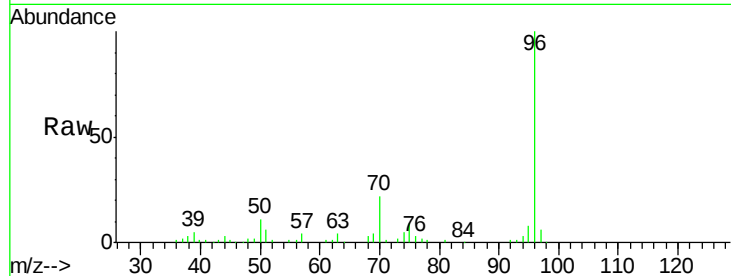
ClientSampleId :

VSTDCCC010

Tot Ion:	96	Resp:	86212
Ion Ratio	Lower	Upper	
96	100		
70	17.8	14.4	21.6
95	8.7	7.1	10.7
97	0.0	0.0	0.0

Manual Integrations
APPROVED

apatel
5/6/2020 10:39:11 AM



#2

Dichlorodifluoromethane

Concen: 9.998 ug/l

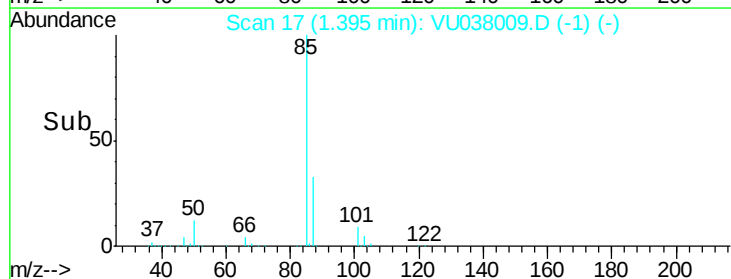
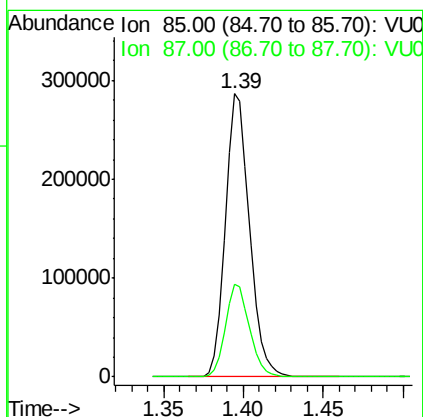
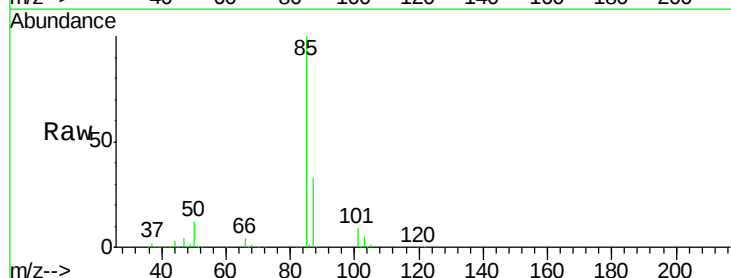
RT: 1.39 min Scan# 17

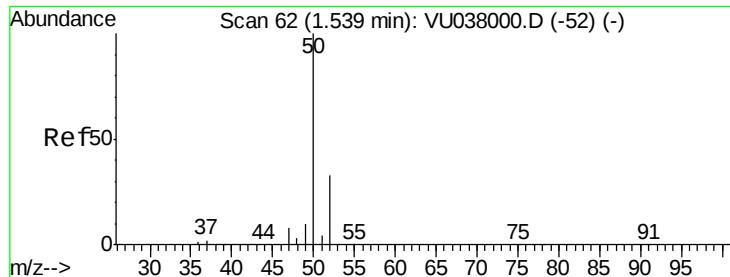
Delta R.T. 0.00 min

Lab File: VU038009.D

Acq: 05 May 2020 10:29

Tgt Ion:	85	Resp:	292562
Ion Ratio	Lower	Upper	
85	100		
87	32.9	16.2	48.5





#3

Chloromethane

Concen: 9.618 ug/l

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU038009.D

Acq: 05 May 2020 10:29

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 50 Resp: 333226

Ion Ratio Lower Upper

50 100

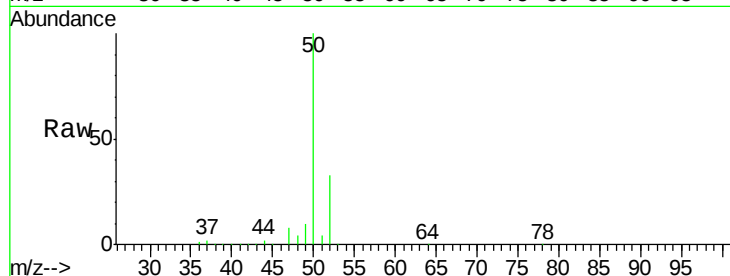
52 32.7 26.1 39.1

Manual Integrations

APPROVED

apatel

5/6/2020 10:39:11 AM



Abundance Ion 50.00 (49.70 to 50.70): VU038009.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU038009.D (-1) (-)

1.54

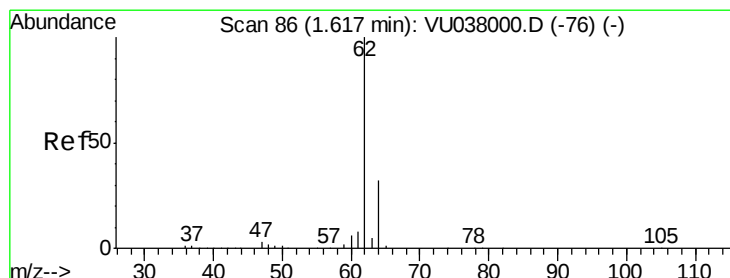
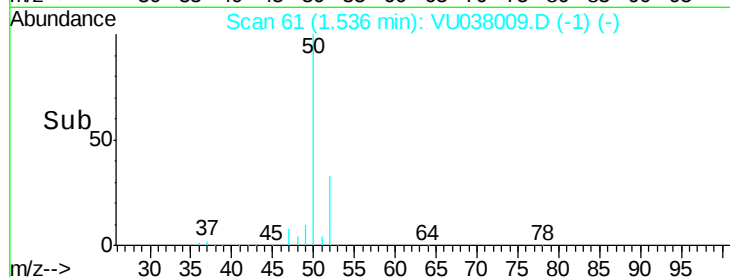
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 9.876 ug/l

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038009.D

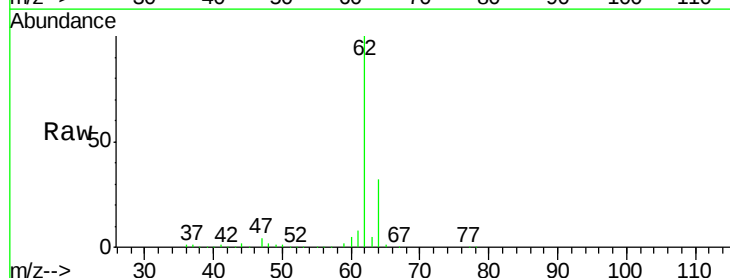
Acq: 05 May 2020 10:29

Tgt Ion: 62 Resp: 340821

Ion Ratio Lower Upper

62 100

64 31.6 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VU038009.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU038009.D (-1) (-)

1.62

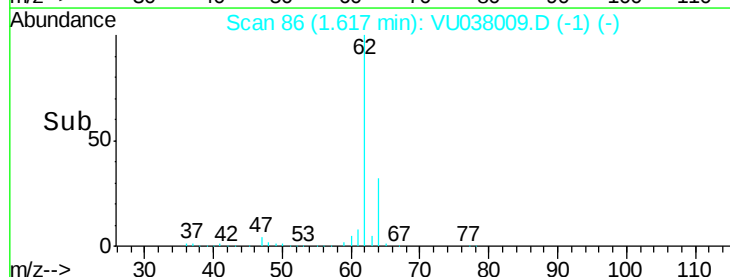
300000

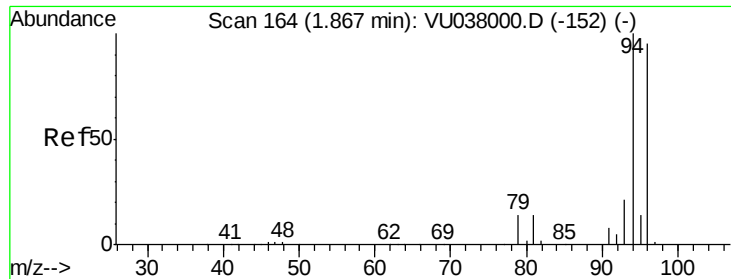
200000

100000

0

Time-->





#5

Bromomethane

Concen: 8.428 ug/l

RT: 1.87 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU038009.D

Acq: 05 May 2020 10:29

Instrument :

MSVOA_U

ClientSampled :

VSTDCCC010

Tot Ion: 94 Resp: 174517

Ion Ratio Lower Upper

94 100

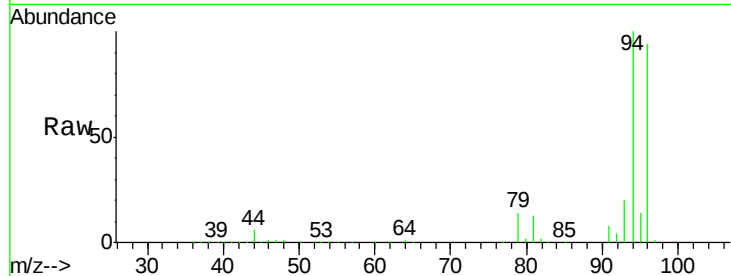
96 94.3 76.1 114.1

Manual Integrations

APPROVED

apatel

5/6/2020 10:39:11 AM



Abundance Ion 94.00 (93.70 to 94.70): VU038009.D (-152) (-)

Ion 96.00 (95.70 to 96.70): VU038009.D (-152) (-)

150000

100000

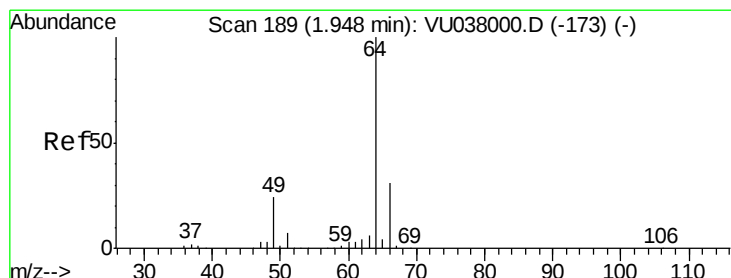
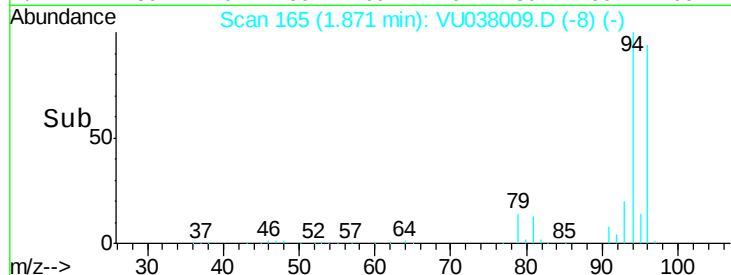
50000

0

1.87

1.80 1.85 1.90 1.95

Time-->



#6

Chloroethane

Concen: 9.729 ug/l

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU038009.D

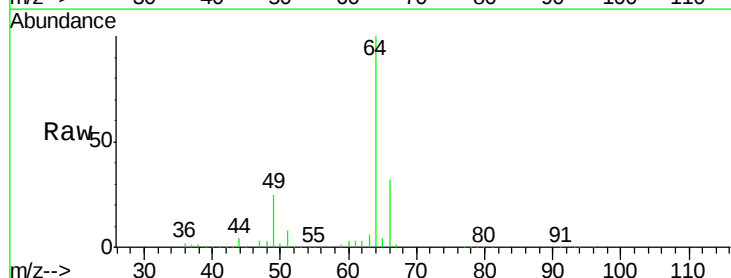
Acq: 05 May 2020 10:29

Tgt Ion: 64 Resp: 200568

Ion Ratio Lower Upper

64 100

66 32.6 24.8 37.2



Abundance Ion 64.00 (63.70 to 64.70): VU038009.D (-33) (-)

Ion 66.00 (65.70 to 66.70): VU038009.D (-33) (-)

150000

100000

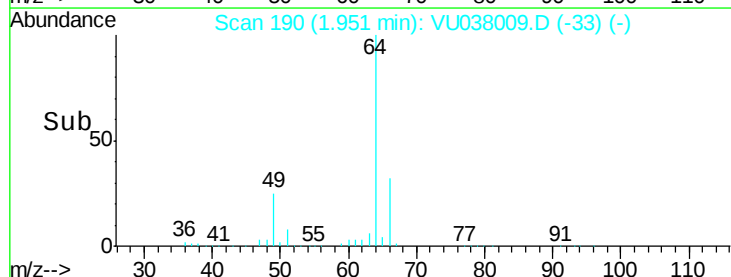
50000

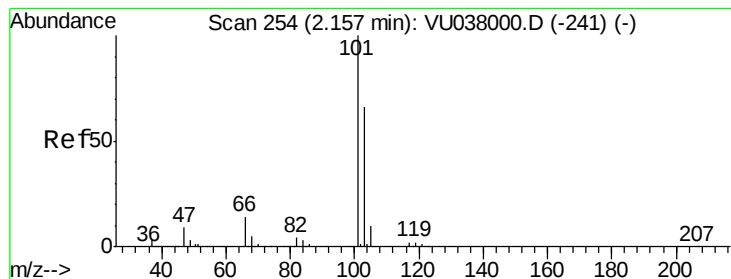
0

1.95

1.90 1.95 2.00 2.05

Time-->





#7

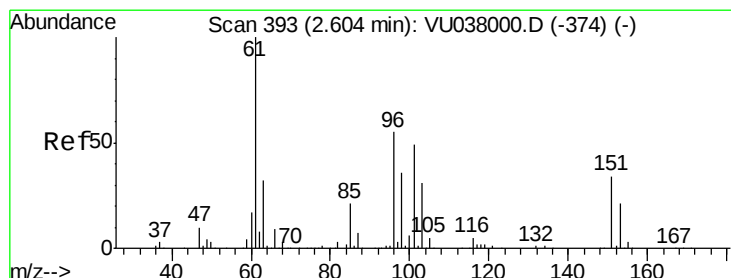
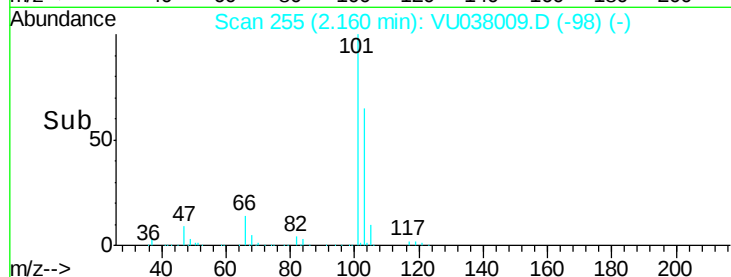
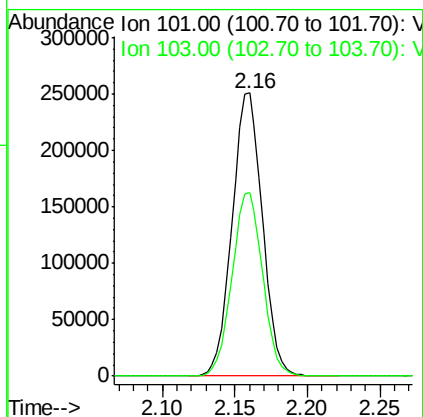
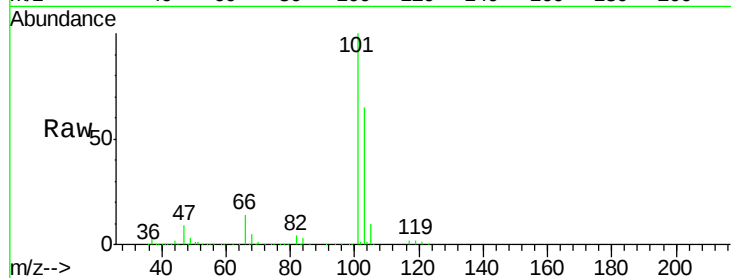
Trichlorofluoromethane
Concen: 10.103 ug/l
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU038009.D
Acq: 05 May 2020 10:29

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.6	78.8

Manual Integrations
APPROVED

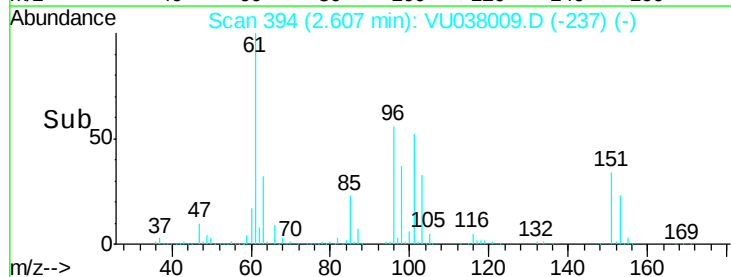
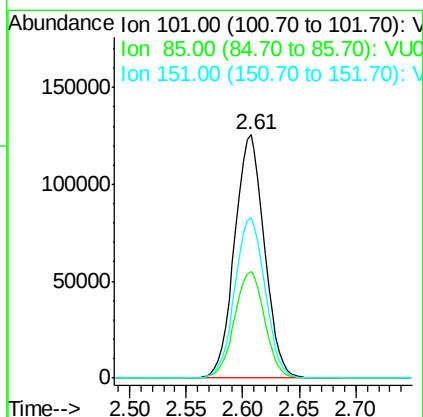
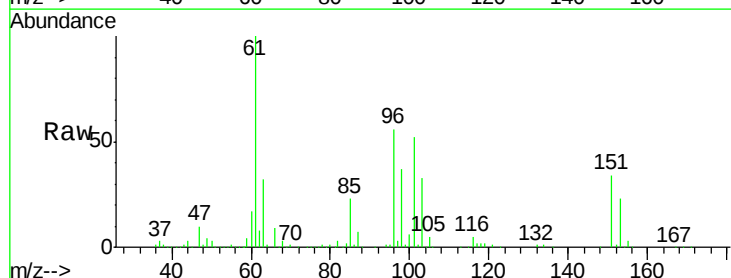
apatel
5/6/2020 10:39:11 AM

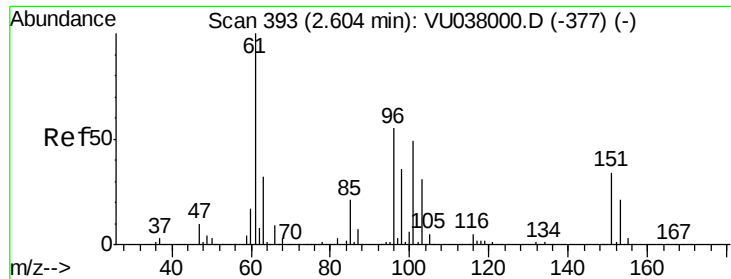


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 10.258 ug/l
RT: 2.61 min Scan# 394
Delta R.T. 0.00 min
Lab File: VU038009.D
Acq: 05 May 2020 10:29

Tgt Ion	Ratio	Lower	Upper
101	100		
85	44.3	35.5	53.3
151	67.0	55.2	82.8





#9

1,1-Dichloroethene

Concen: 9.857 ug/l

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU038009.D

Acq: 05 May 2020 10:29

Instrument :

MSVOA_U

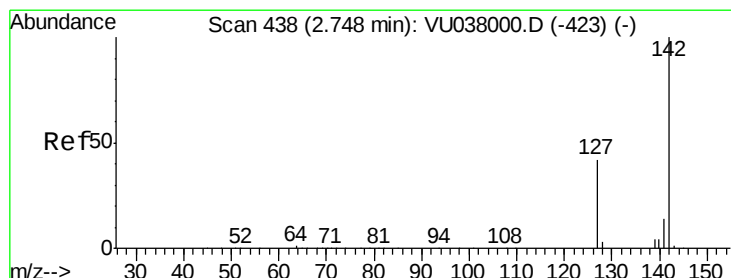
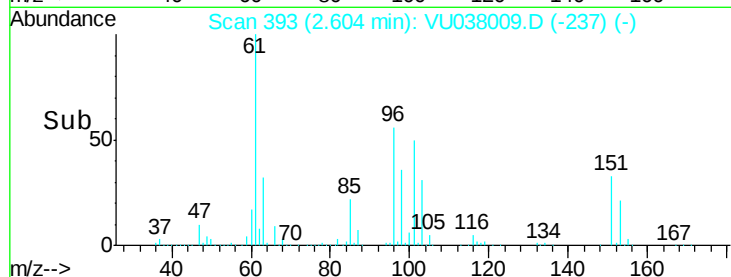
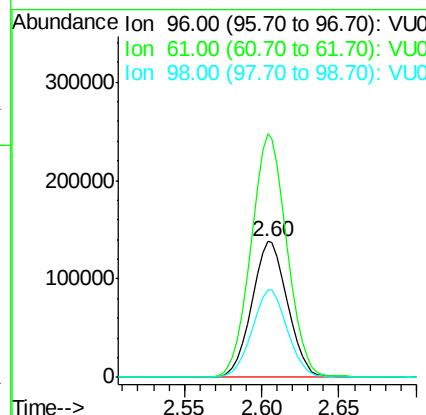
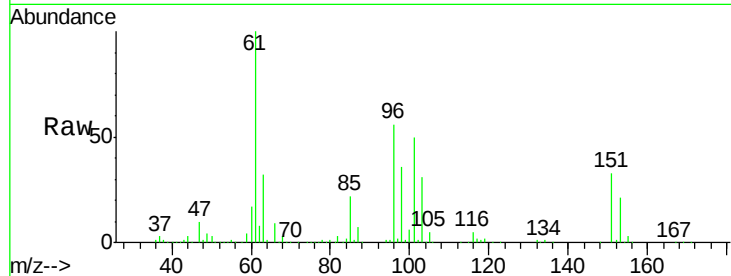
ClientSampleId :

VSTDCCC010

Tot Ion:	96	Resp:	221955
Ion Ratio	Lower	Upper	
96	100		
61	179.5	0.0	543.0
98	64.4	0.0	129.4

Manual Integrations
APPROVED

apatel
5/6/2020 10:39:11 AM



#10

Iodomethane

Concen: 10.237 ug/l

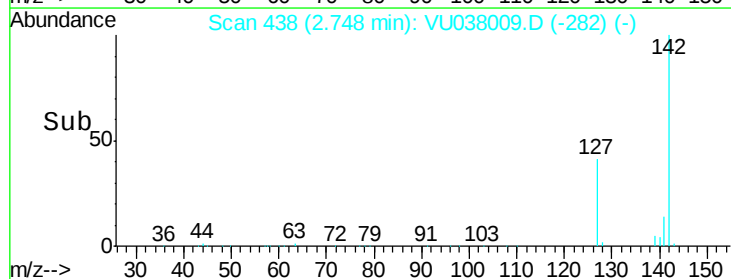
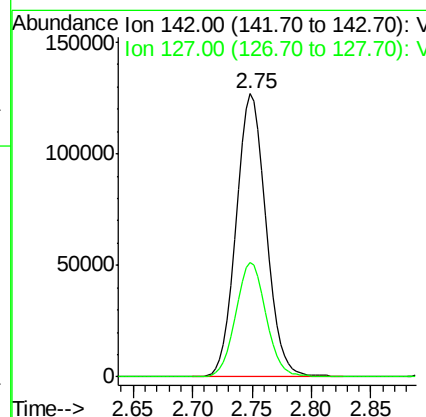
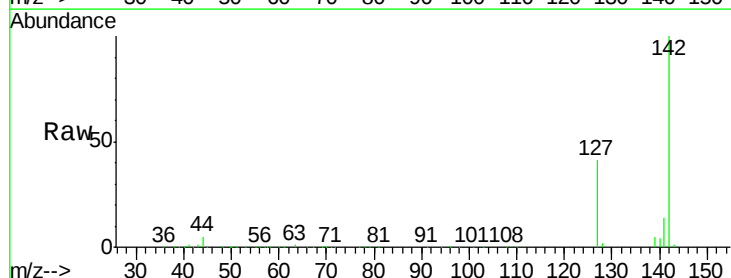
RT: 2.75 min Scan# 438

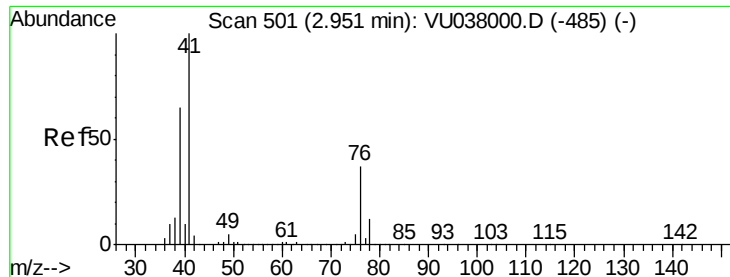
Delta R.T. 0.00 min

Lab File: VU038009.D

Acq: 05 May 2020 10:29

Tgt Ion:	142	Resp:	221801
Ion Ratio	Lower	Upper	
142	100		
127	41.1	33.5	50.3





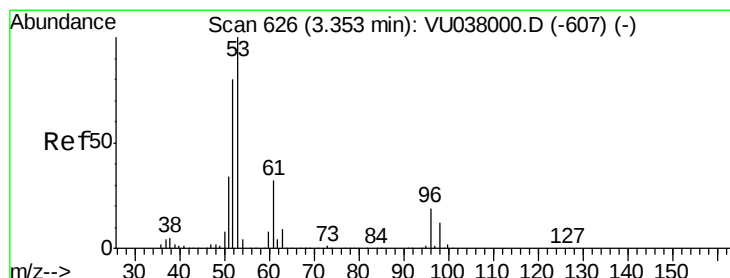
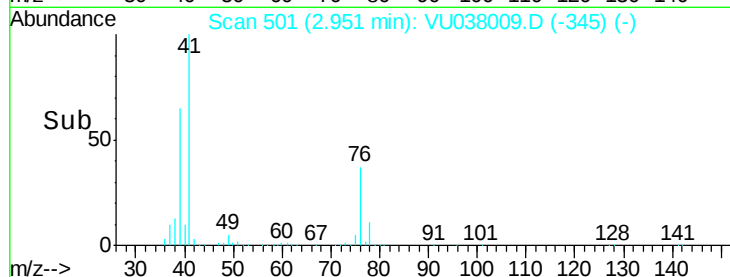
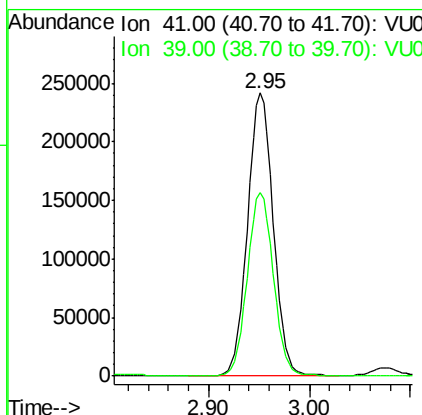
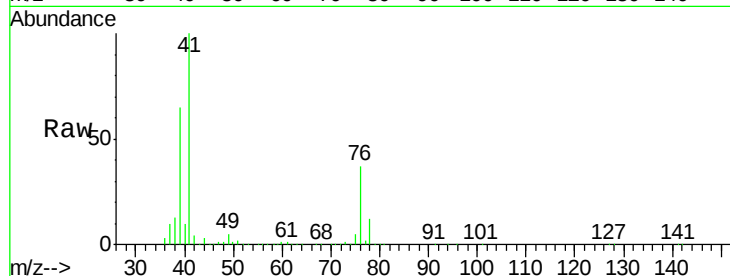
#11
Allvl Chloride
Concen: 10.090 ug/l
RT: 2.95 min Scan# 501
Delta R.T. 0.00 min
Lab File: VU038009.D
Acq: 05 May 2020 10:29

Instrument :
MSVOA_U
ClientSampled :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
41	100		
39	65.5	51.7	77.5

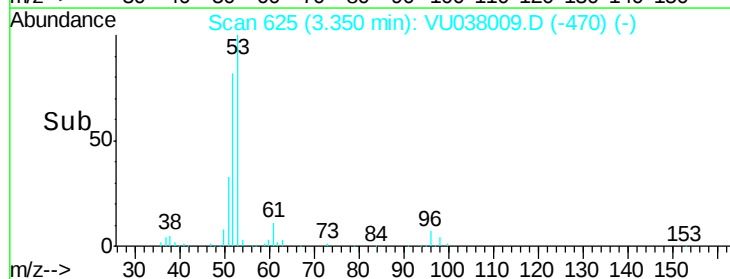
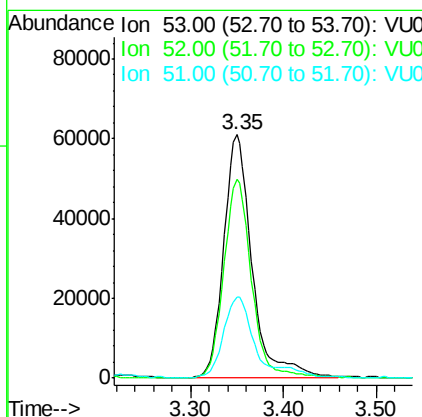
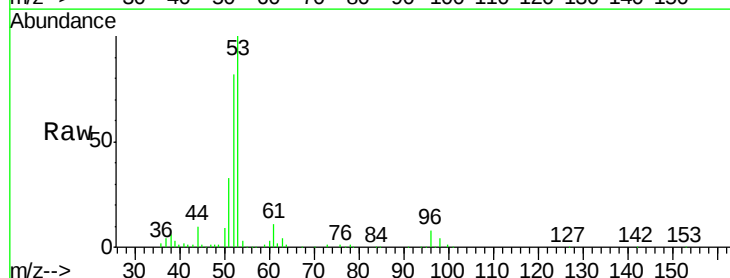
Manual Integrations
APPROVED

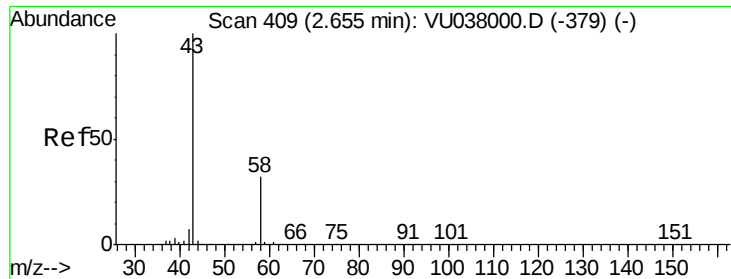
apatel
5/6/2020 10:39:11 AM



#12
Acrylonitrile
Concen: 20.996 ug/l
RT: 3.35 min Scan# 625
Delta R.T. -0.00 min
Lab File: VU038009.D
Acq: 05 May 2020 10:29

Tgt Ion	Ratio	Lower	Upper
53	100		
52	79.6	63.3	94.9
51	33.9	30.2	45.2





#13

Acetone

Concen: 52.374 ug/l

RT: 2.65 min Scan# 408

Delta R.T. -0.00 min

Lab File: VU038009.D

Acq: 05 May 2020 10:29

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 257870

Ion Ratio Lower Upper

43 100

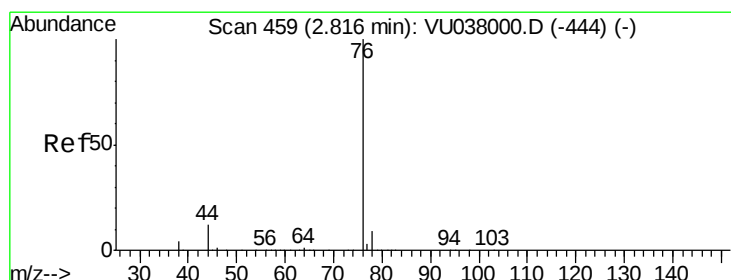
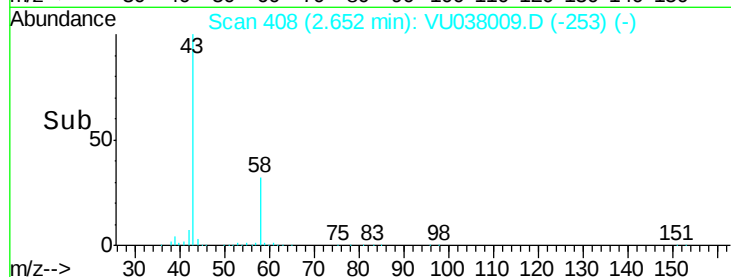
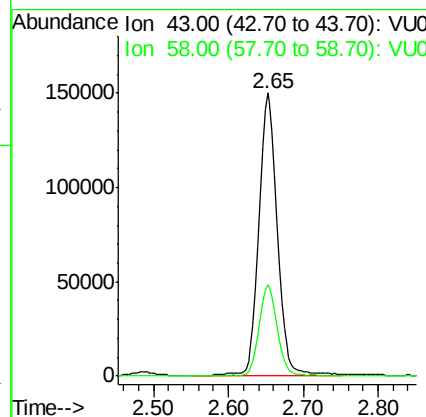
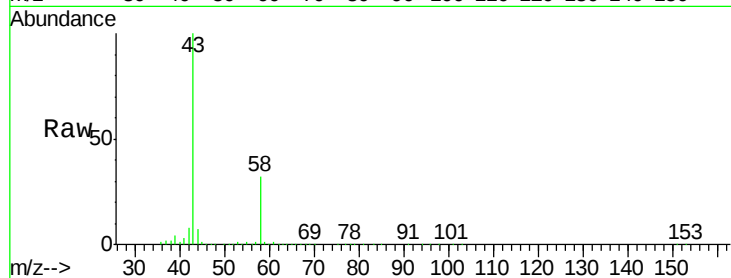
58 32.2 25.2 37.8

Manual Integrations

APPROVED

apatel

5/6/2020 10:39:11 AM



#14

Carbon Disulfide

Concen: 9.742 ug/l

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU038009.D

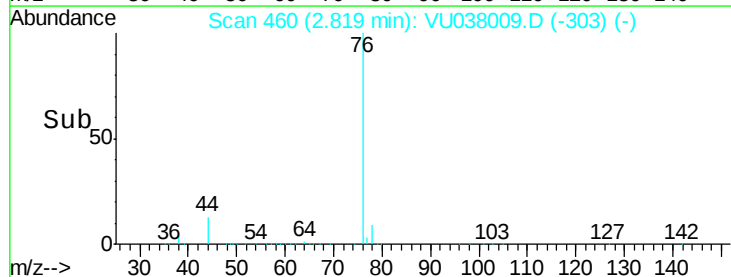
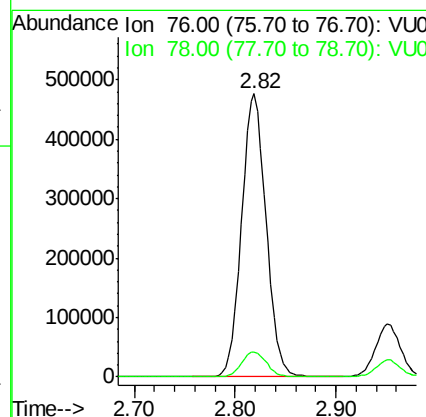
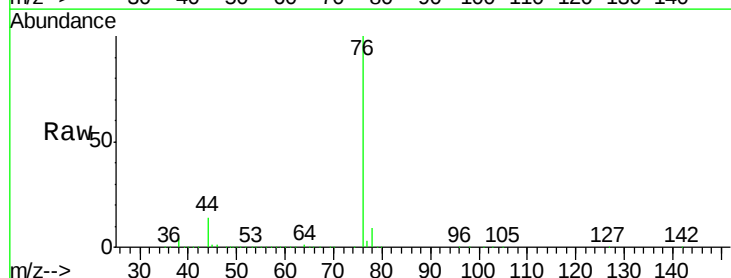
Acq: 05 May 2020 10:29

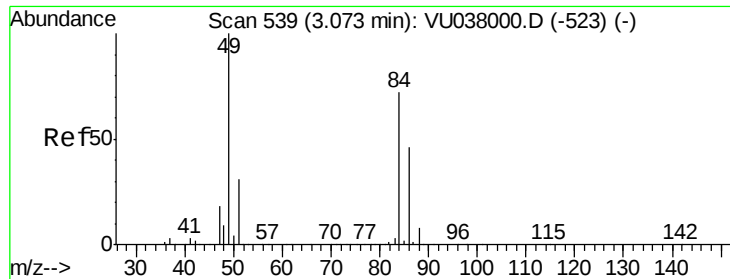
Tgt Ion: 76 Resp: 800997

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6





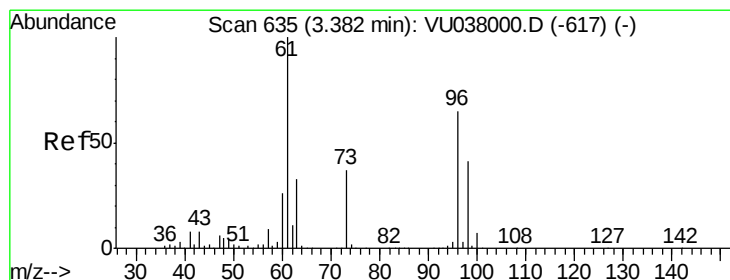
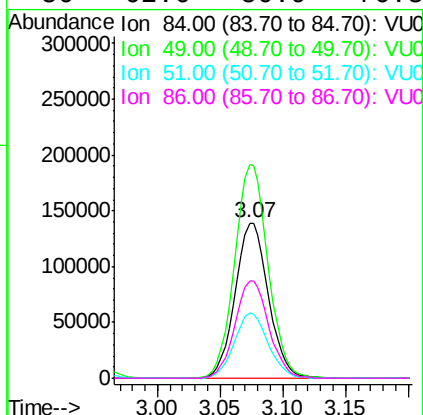
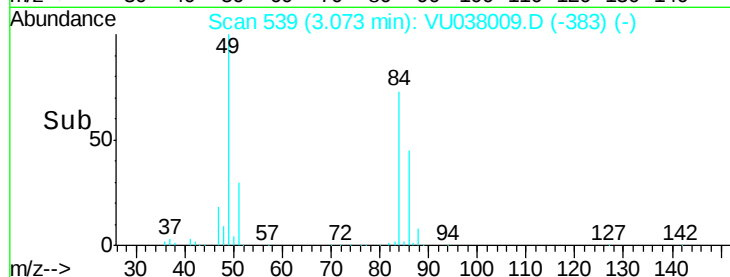
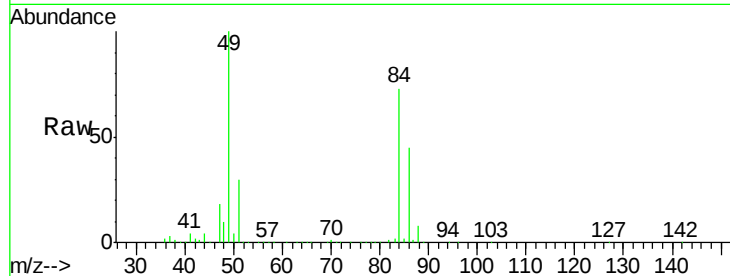
#15
Methvlene Chloride
Concen: 9.738 ug/l
RT: 3.07 min Scan# 539
Delta R.T. 0.00 min
Lab File: VU038009.D
Acq: 05 May 2020 10:29

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion:	84	Resp:	256193
Ion	Ratio	Lower	Upper
84	100		
49	137.7	110.6	166.0
51	41.8	0.0	85.4
86	62.6	50.9	76.3

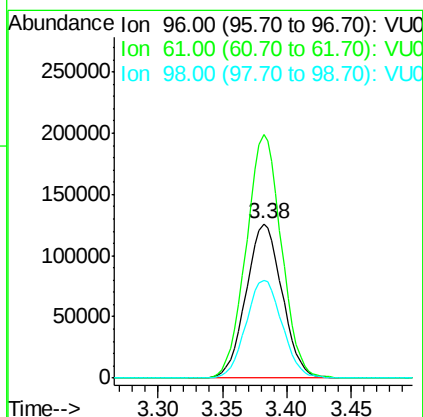
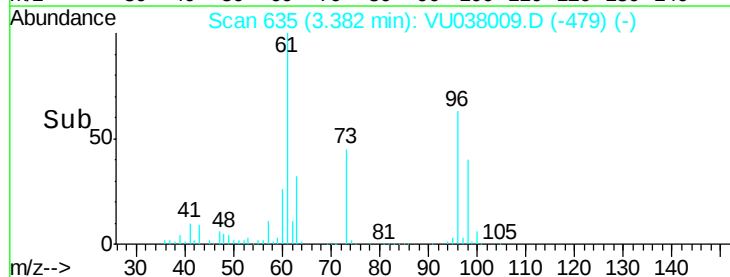
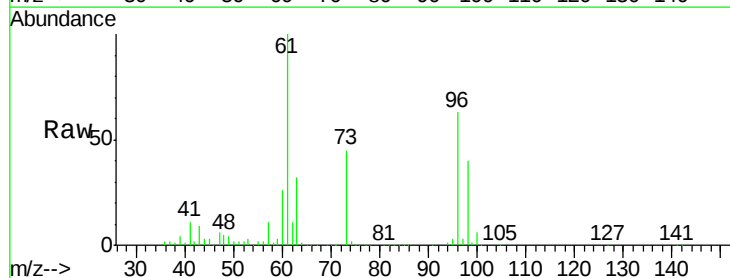
Manual Integrations
APPROVED

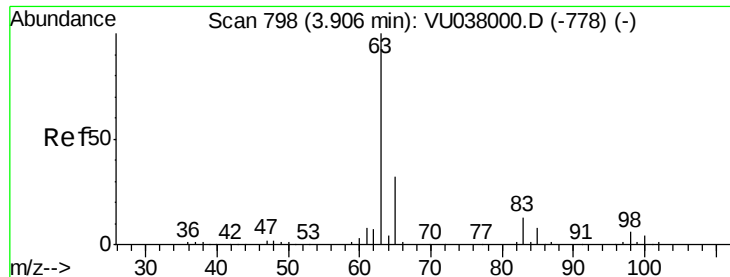
apatel
5/6/2020 10:39:11 AM



#16
trans-1,2-Dichloroethene
Concen: 9.965 ug/l
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU038009.D
Acq: 05 May 2020 10:29

Tgt Ion:	96	Resp:	245530
Ion	Ratio	Lower	Upper
96	100		
61	157.6	122.4	183.6
98	63.6	50.1	75.1





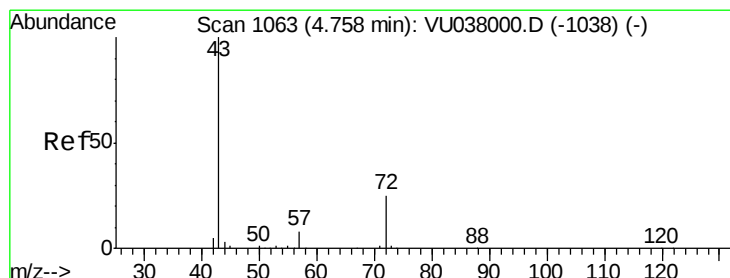
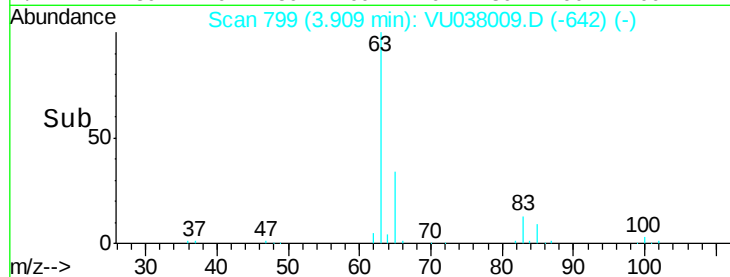
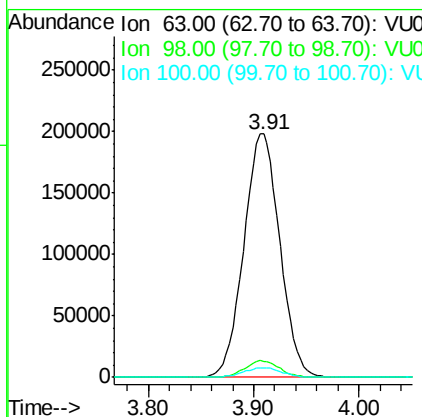
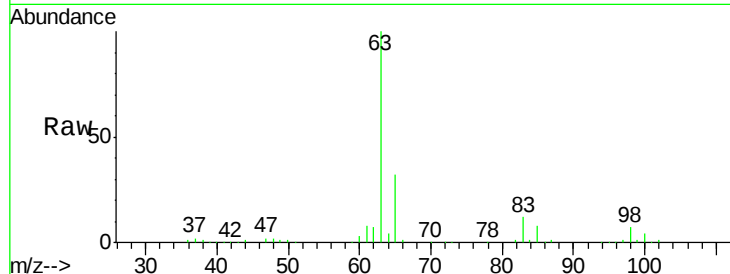
#17
 1,1-Dichloroethane
 Concen: 10.046 ug/l
 RT: 3.91 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: VU038009.D
 Acq: 05 May 2020 10:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion:	63	Resp:	469479
Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.1	9.4
100	4.1	2.2	6.6

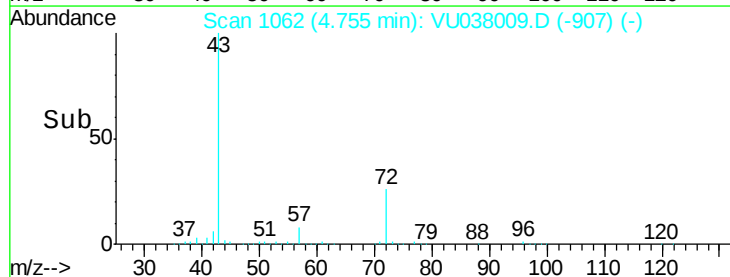
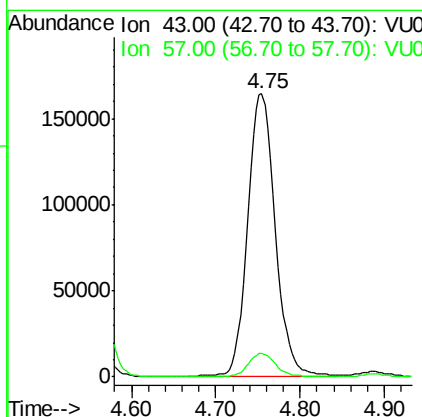
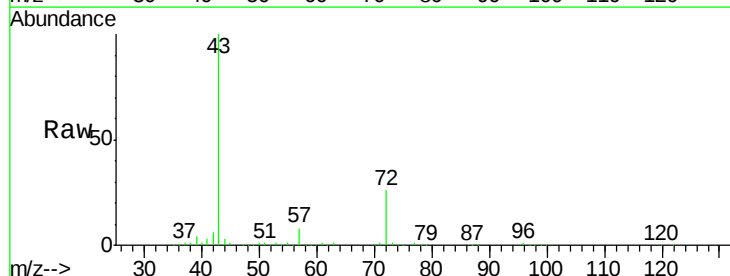
Manual Integrations
 APPROVED

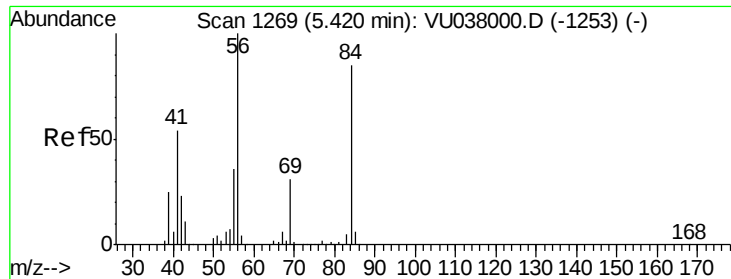
apatel
 5/6/2020 10:39:11 AM



#18
 2-Butanone
 Concen: 50.580 ug/l
 RT: 4.75 min Scan# 1062
 Delta R.T. -0.00 min
 Lab File: VU038009.D
 Acq: 05 May 2020 10:29

Tgt Ion:	43	Resp:	373412
Ion	Ratio	Lower	Upper
43	100		
57	8.4	0.0	16.6





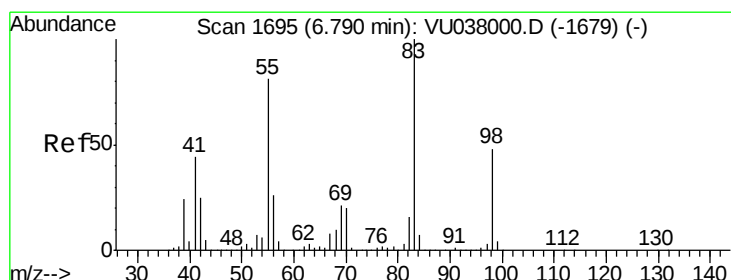
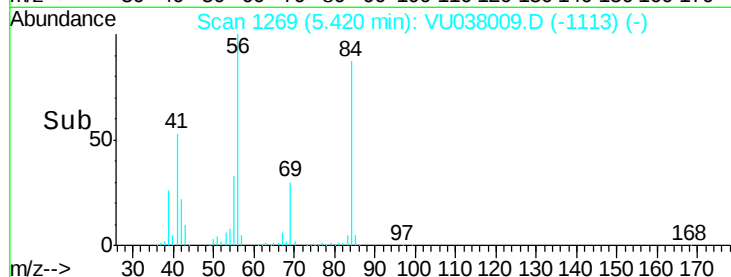
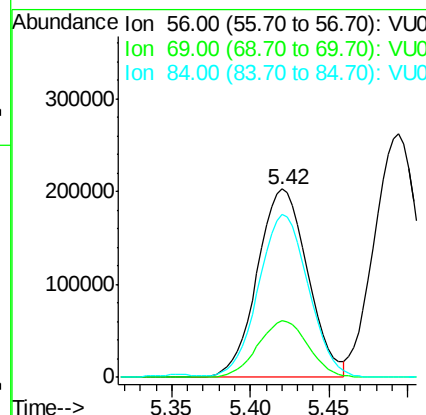
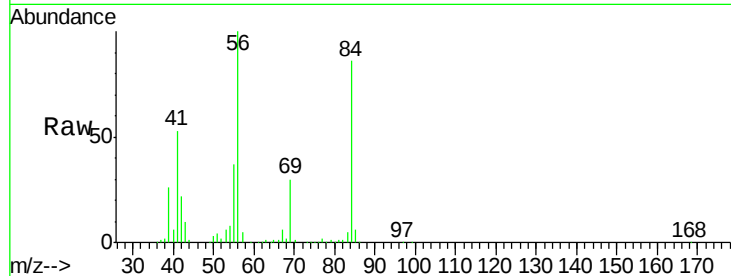
#19
Cyclohexane
Concen: 9.991 ug/l m
RT: 5.42 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VU038009.D
Acq: 05 May 2020 10:29

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.8	24.3	36.5
84	83.9	66.3	99.5

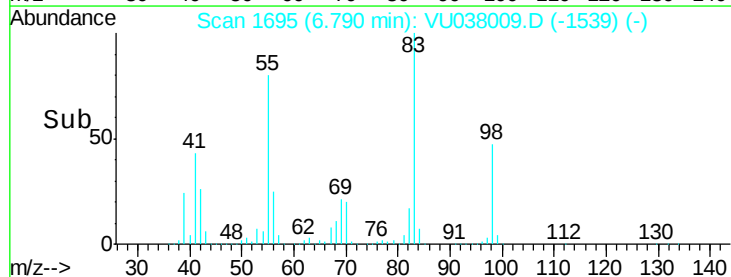
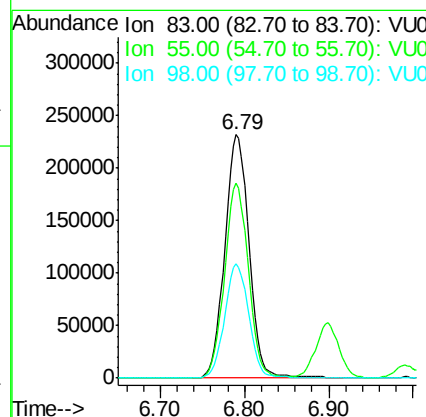
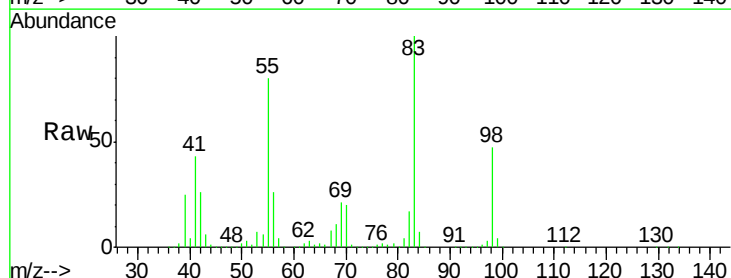
Manual Integrations
APPROVED

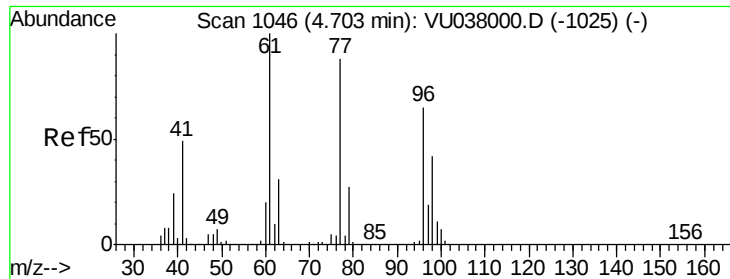
apatel
5/6/2020 10:39:11 AM



#20
Methylcyclohexane
Concen: 10.358 ug/l
RT: 6.79 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU038009.D
Acq: 05 May 2020 10:29

Tgt Ion	Ratio	Lower	Upper
83	100		
55	77.8	61.5	92.3
98	46.6	37.3	55.9





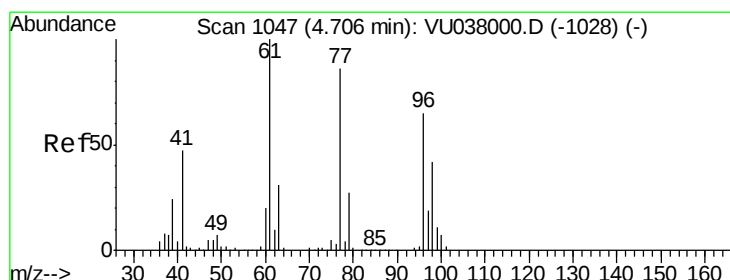
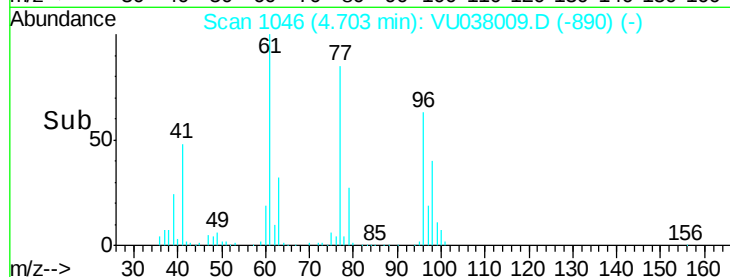
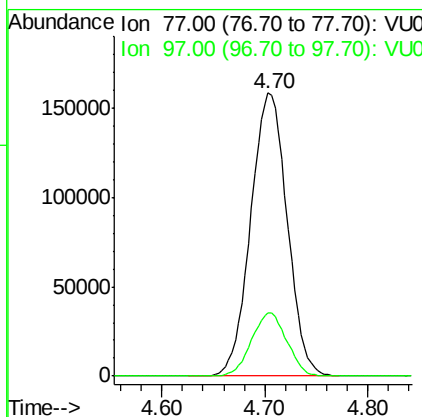
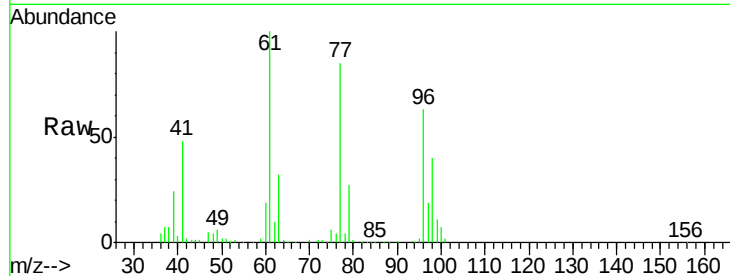
#21
 2,2-Dichloropropane
 Concen: 9.957 ug/l
 RT: 4.70 min Scan# 1046
 Delta R.T. 0.00 min
 Lab File: VU038009.D
 Acq: 05 May 2020 10:29

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDCCC010

Tot Ion: 77 Resp: 388873
 Ion Ratio Lower Upper
 77 100
 97 21.7 17.4 26.2

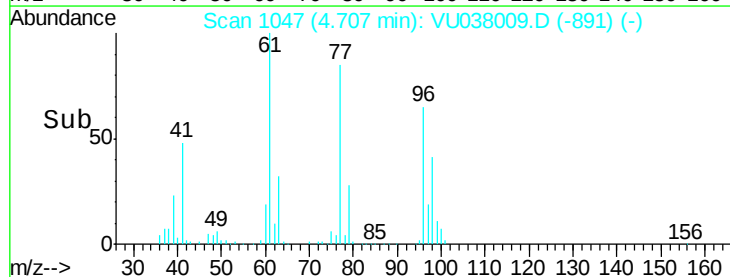
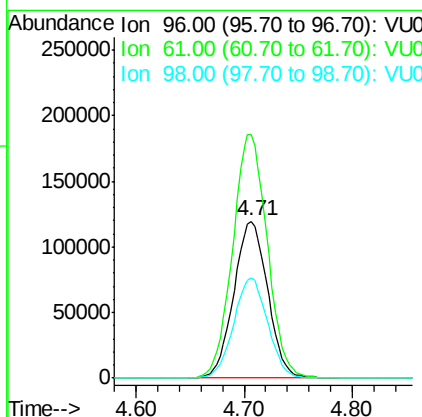
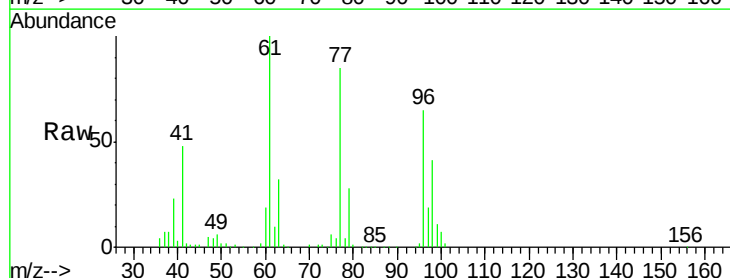
Manual Integrations
 APPROVED

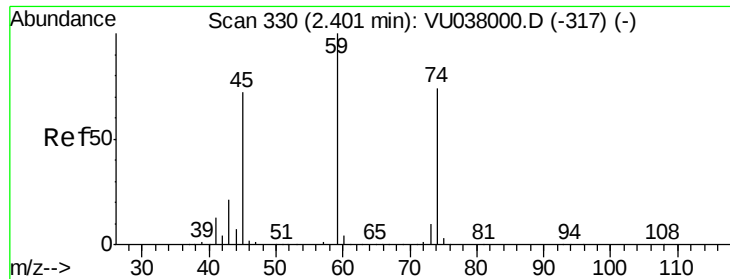
apatel
 5/6/2020 10:39:11 AM



#22
 cis-1,2-Dichloroethene
 Concen: 10.039 ug/l
 RT: 4.71 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: VU038009.D
 Acq: 05 May 2020 10:29

Tgt Ion: 96 Resp: 261497
 Ion Ratio Lower Upper
 96 100
 61 158.5 0.0 389.3
 98 64.2 32.1 96.3





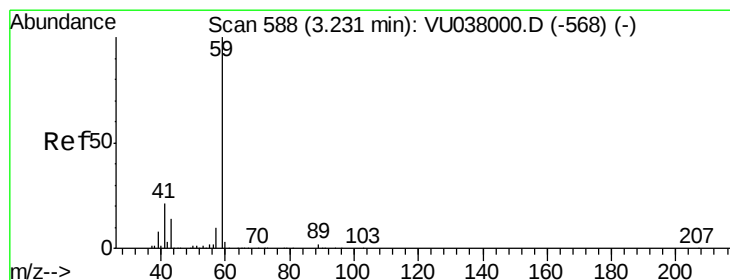
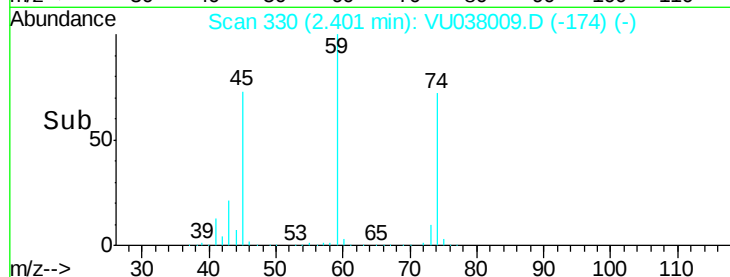
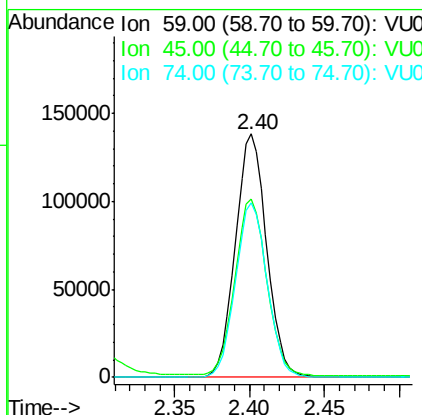
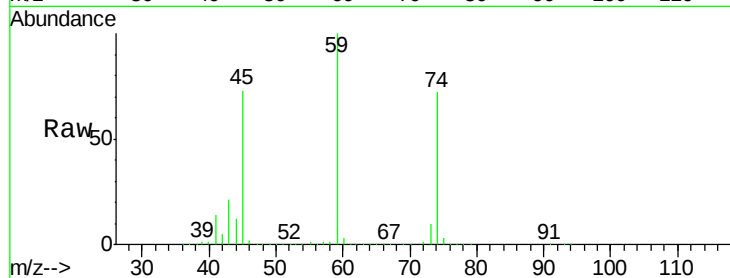
#23
Diethyl Ether
Concen: 10.195 ug/l
RT: 2.40 min Scan# 330
Delta R.T. 0.00 min
Lab File: VU038009.D
Acq: 05 May 2020 10:29

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
59	100		
45	73.7	59.8	89.6
74	72.7	58.2	87.4

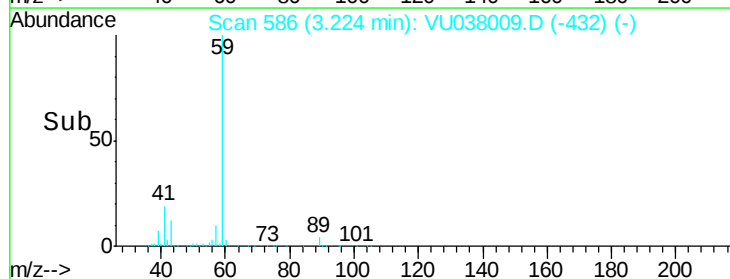
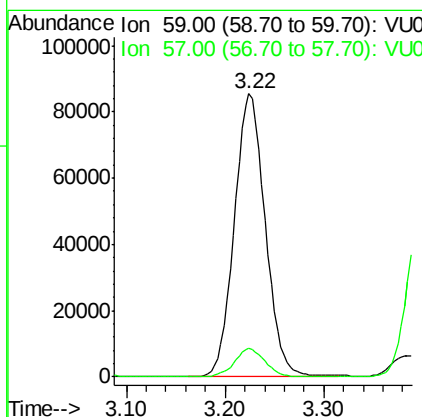
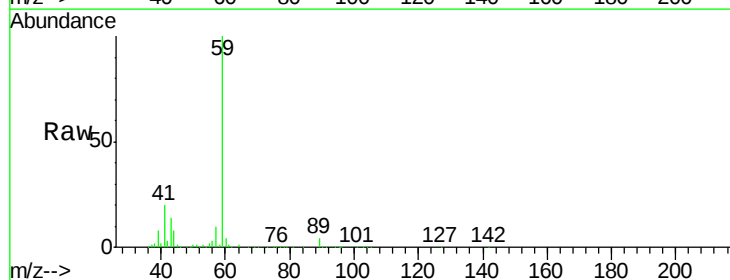
Manual Integrations
APPROVED

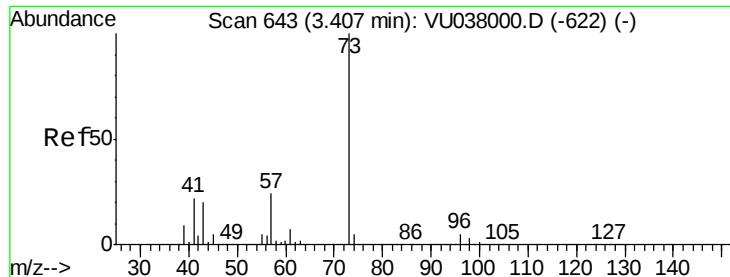
apatel
5/6/2020 10:39:11 AM



#24
tert-Butyl Alcohol
Concen: 85.048 ug/l
RT: 3.22 min Scan# 586
Delta R.T. -0.01 min
Lab File: VU038009.D
Acq: 05 May 2020 10:29

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.5	8.2	12.4





#25

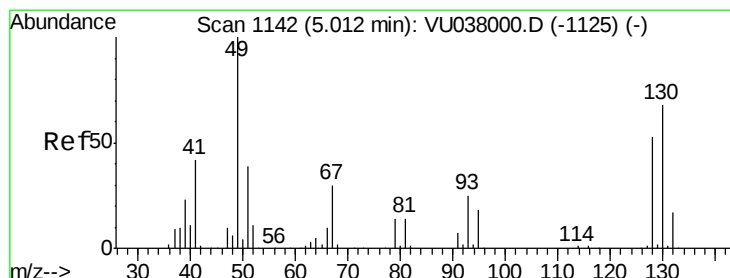
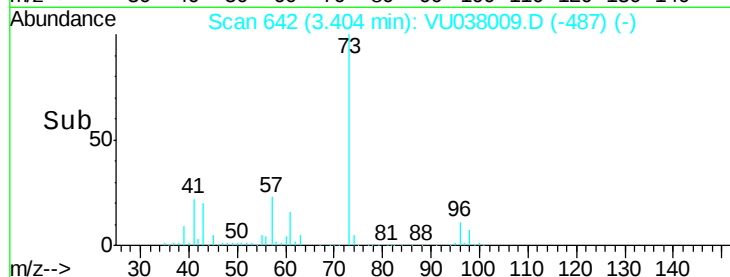
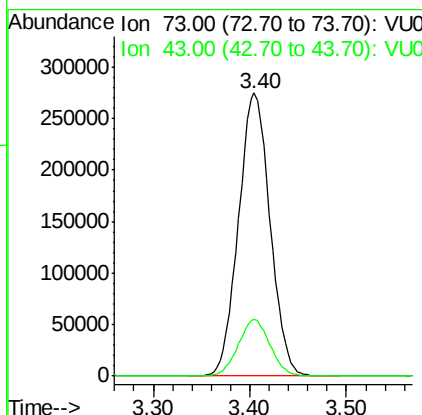
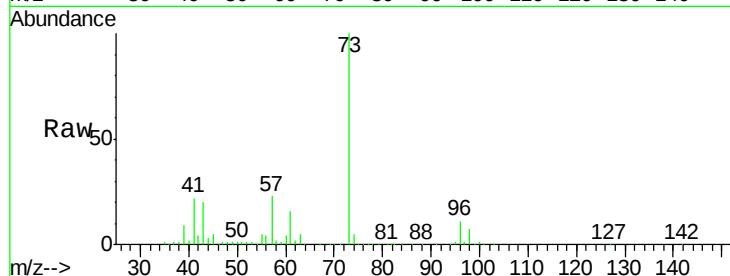
Methyl tert-Butyl Ether
 Concen: 10.106 ug/l
 RT: 3.40 min Scan# 642
 Delta R.T. -0.00 min
 Lab File: VU038009.D
 Acq: 05 May 2020 10:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	73	Resp	623515
Ion Ratio	100	Lower	Upper
73	100		
43	19.8	16.2	24.2

Manual Integrations
 APPROVED

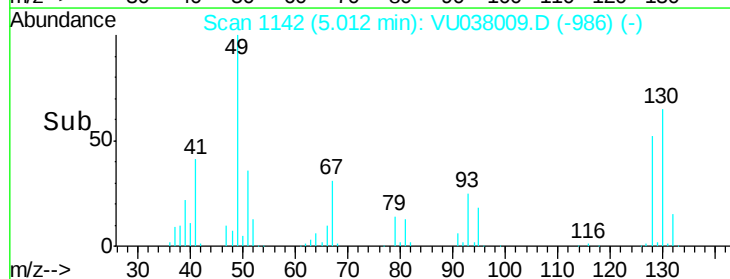
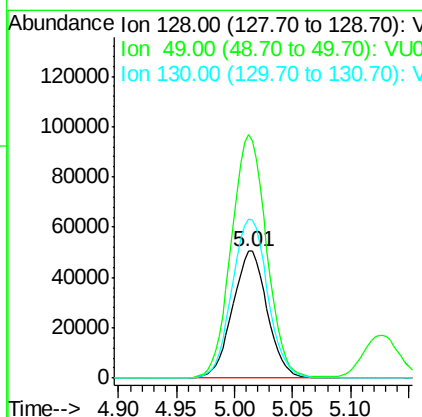
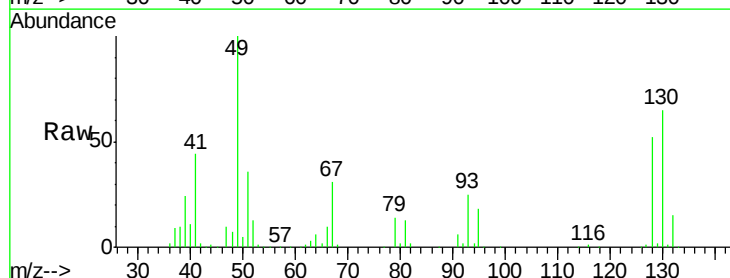
apatel
 5/6/2020 10:39:11 AM

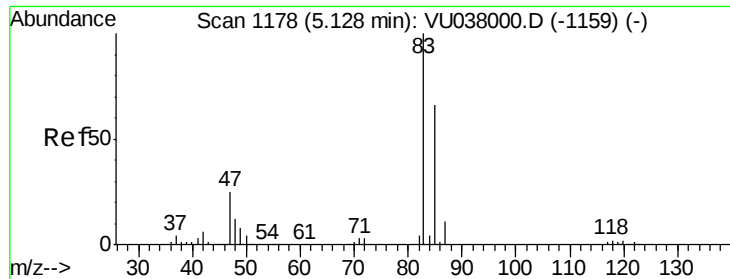


#26

Bromochloromethane
 Concen: 9.993 ug/l
 RT: 5.01 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VU038009.D
 Acq: 05 May 2020 10:29

Tgt Ion	128	Resp	104760
Ion Ratio	100	Lower	Upper
128	100		
49	194.6	0.0	376.0
130	129.9	102.6	153.8





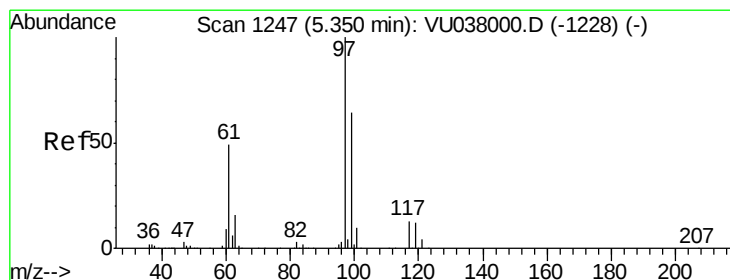
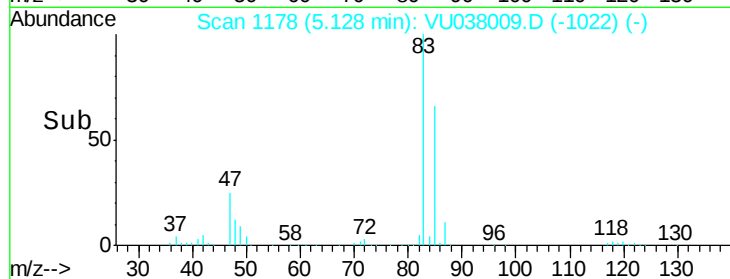
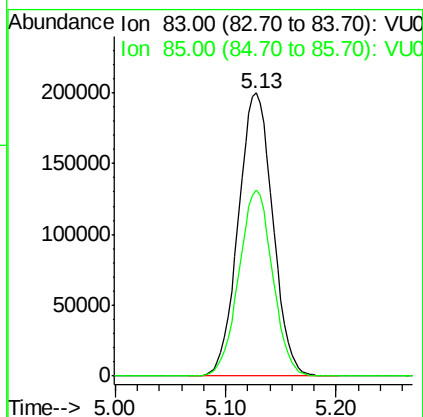
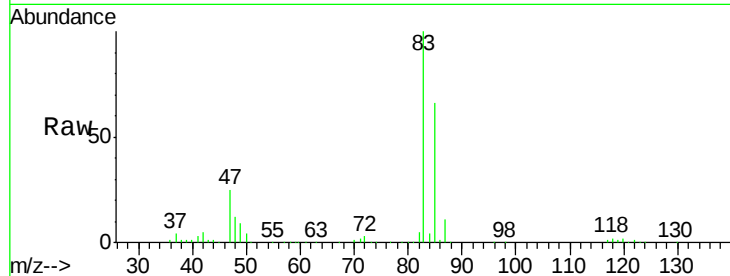
#27
Chloroform
Concen: 9.860 ug/l
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU038009.D
Acq: 05 May 2020 10:29

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	83	Resp	432131
Ion Ratio	100	Lower	Upper
85	65.6	0.0	132.0

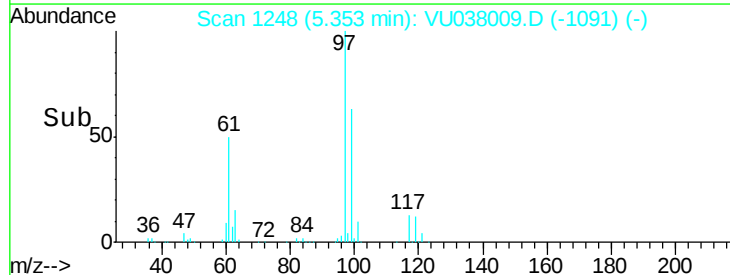
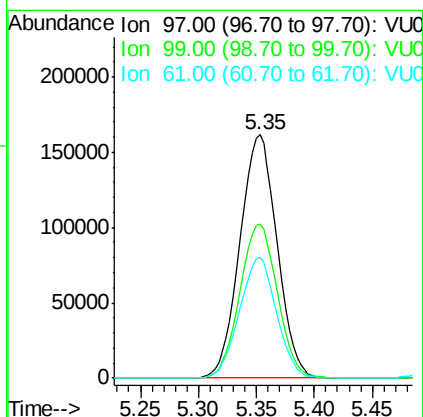
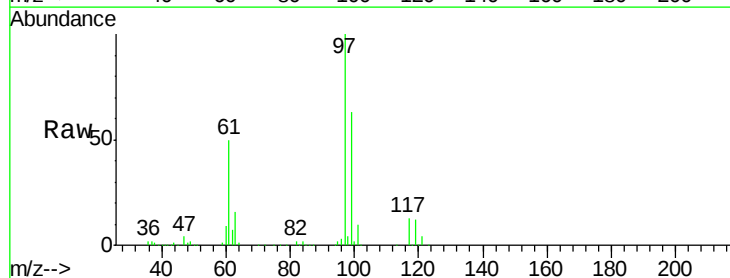
Manual Integrations
APPROVED

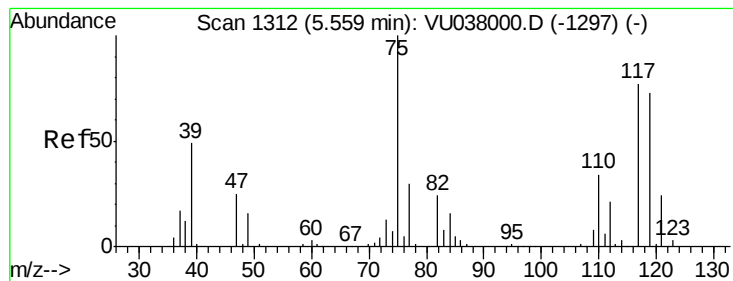
apatel
5/6/2020 10:39:11 AM



#28
1,1,1-Trichloroethane
Concen: 9.991 ug/l
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU038009.D
Acq: 05 May 2020 10:29

Tgt Ion	97	Resp	360832
Ion Ratio	100	Lower	Upper
99	63.9	31.9	95.9
61	49.4	24.1	72.4





#29

1,1-Dichloropropene

Concen: 10.047 ug/l

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU038009.D

Acq: 05 May 2020 10:29

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 75 Resp: 365213

Ion Ratio Lower Upper

75 100

110 32.8 16.7 50.1

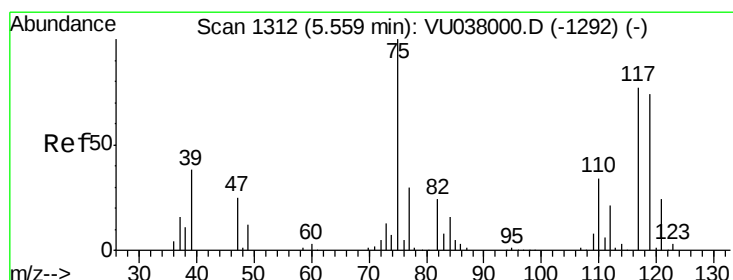
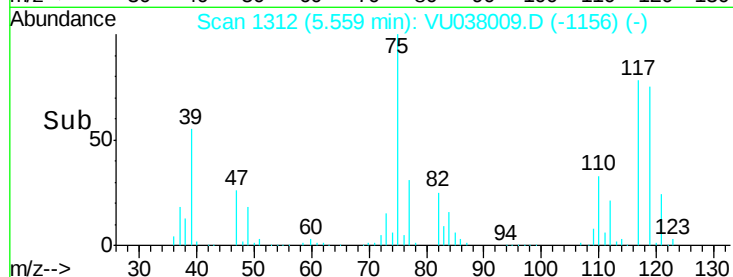
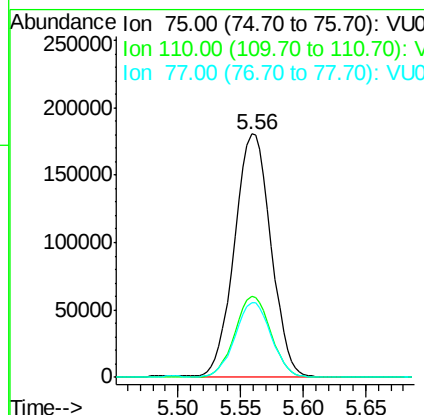
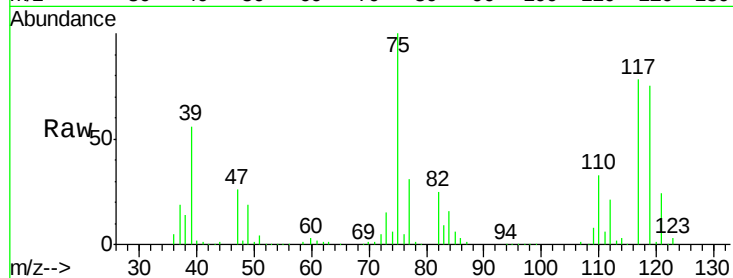
77 30.6 24.5 36.7

Manual Integrations

APPROVED

apatel

5/6/2020 10:39:11 AM



#30

Carbon Tetrachloride

Concen: 10.051 ug/l

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU038009.D

Acq: 05 May 2020 10:29

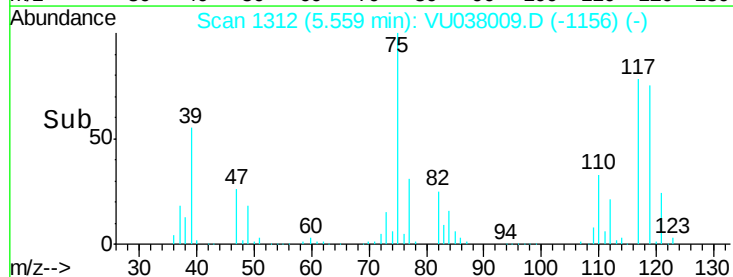
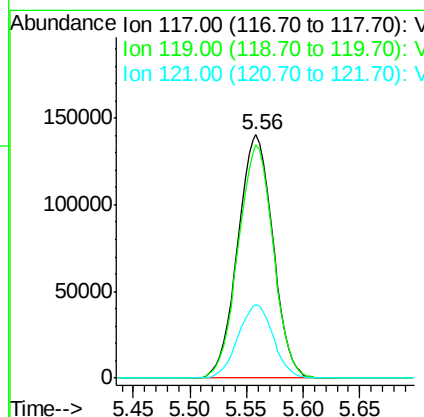
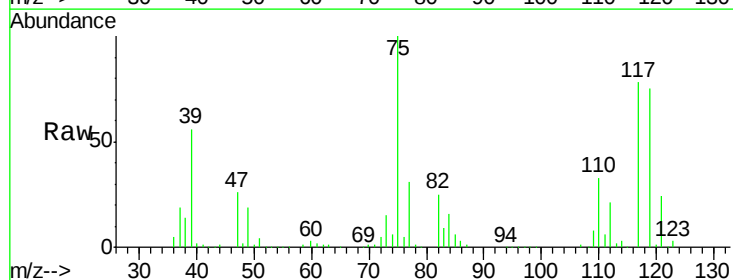
Tgt Ion: 117 Resp: 303733

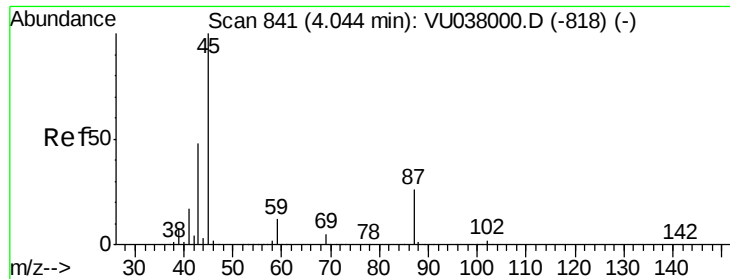
Ion Ratio Lower Upper

117 100

119 95.9 76.3 114.5

121 30.3 24.7 37.1





#31

Isopropyl Ether

Concen: 10.110 ug/l

RT: 4.04 min Scan# 840

Delta R.T. -0.00 min

Lab File: VU038009.D

Acq: 05 May 2020 10:29

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 777516

Ion Ratio Lower Upper

45 100

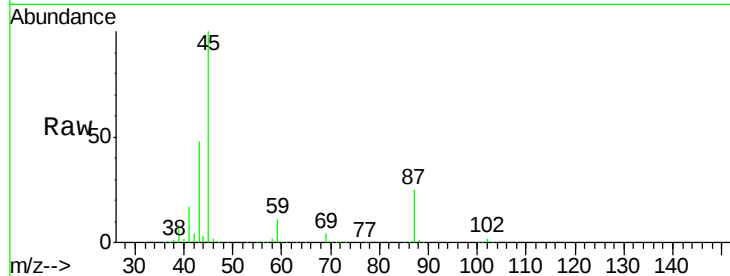
43 47.9 24.2 72.6

Manual Integrations

APPROVED

apatel

5/6/2020 10:39:11 AM



Abundance Ion 45.00 (44.70 to 45.70): VU038009.D (-818) (-)

Ion 43.00 (42.70 to 43.70): VU038009.D (-818) (-)

4.04

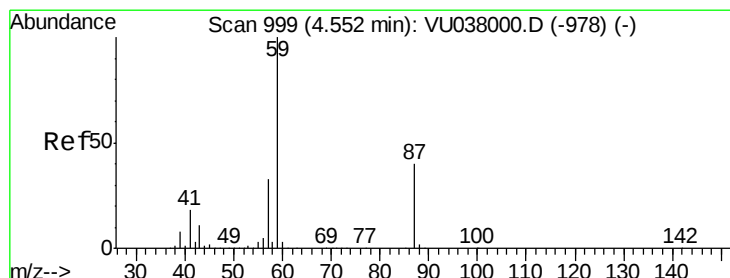
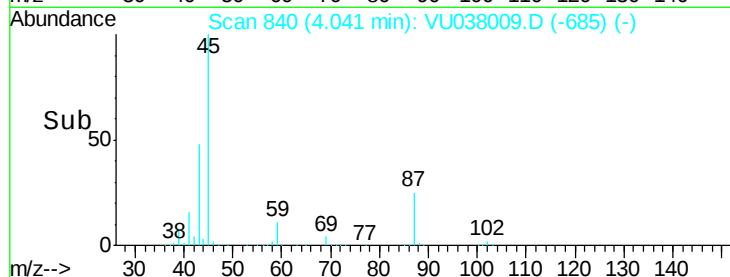
300000

200000

100000

0

Time-->



#32

Ethyl-t-butyl ether

Concen: 9.783 ug/l

RT: 4.55 min Scan# 998

Delta R.T. -0.00 min

Lab File: VU038009.D

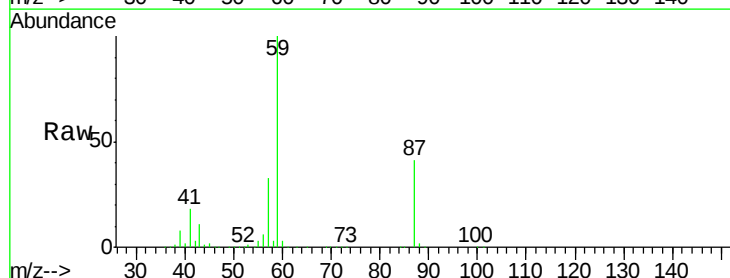
Acq: 05 May 2020 10:29

Tgt Ion: 59 Resp: 679381

Ion Ratio Lower Upper

59 100

87 41.0 32.4 48.6



Abundance Ion 59.00 (58.70 to 59.70): VU038009.D (-843) (-)

Ion 87.00 (86.70 to 87.70): VU038009.D (-843) (-)

4.55

300000

250000

200000

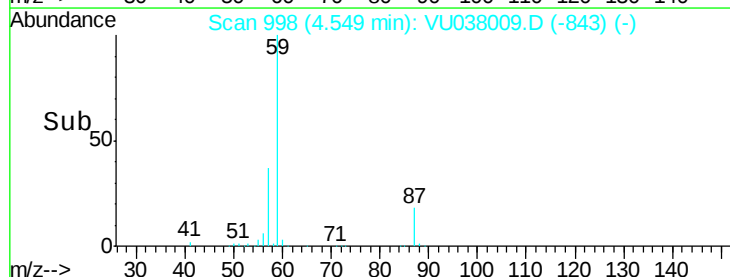
150000

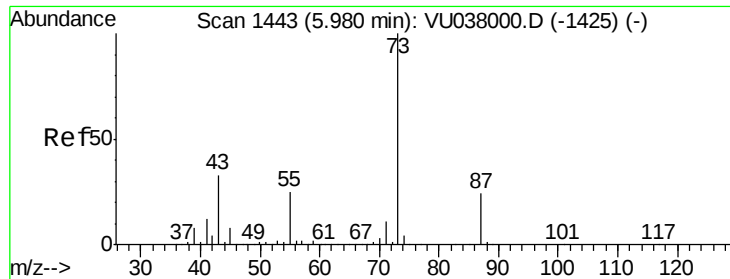
100000

50000

0

Time-->





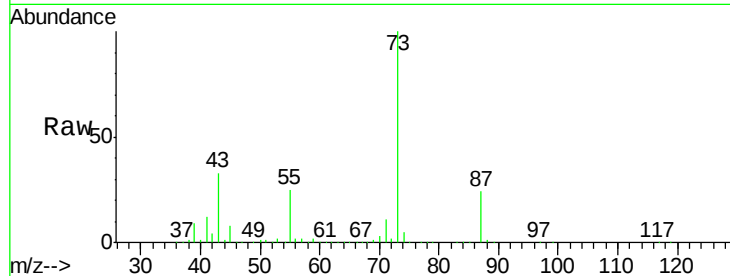
#33
Tert-Butyl methyl ether
Concen: 9.829 ug/l
RT: 5.98 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VU038009.D
Acq: 05 May 2020 10:29

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

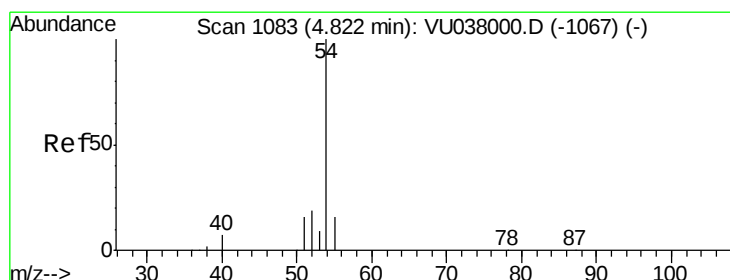
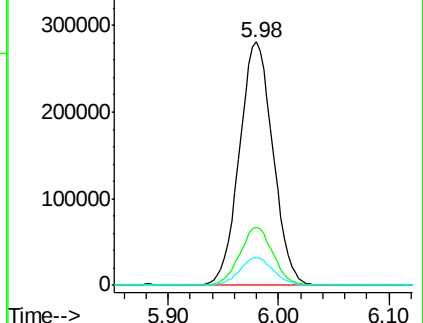
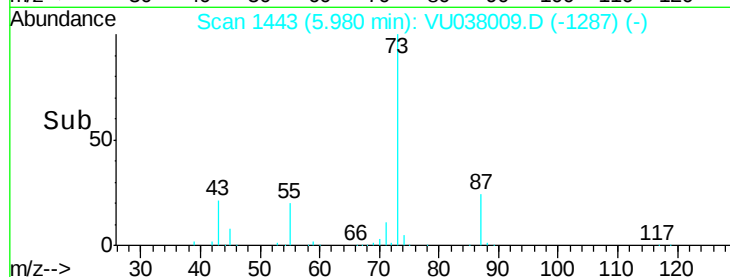
Tot Ion	Ratio	Lower	Upper
73	100		
87	23.6	18.9	28.3
71	11.4	9.1	13.7

Manual Integrations
APPROVED

apatel
5/6/2020 10:39:11 AM

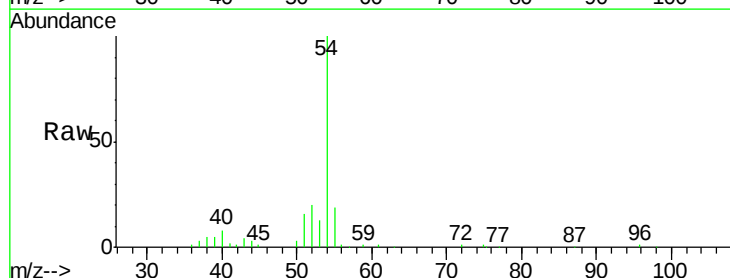


Abundance Ion 73.00 (72.70 to 73.70): VU038009.D (-1287) (-)
Ion 87.00 (86.70 to 87.70): VU038009.D (-1287) (-)
Ion 71.00 (70.70 to 71.70): VU038009.D (-1287) (-)

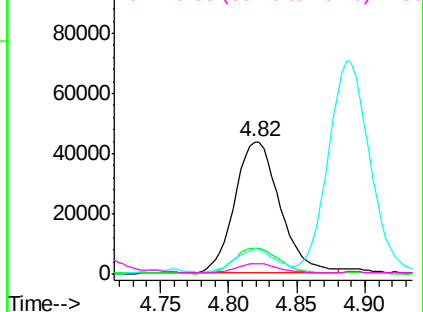
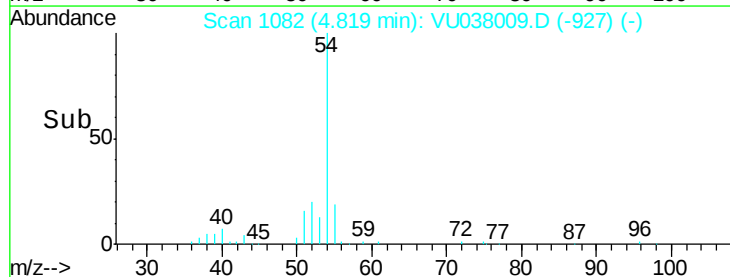


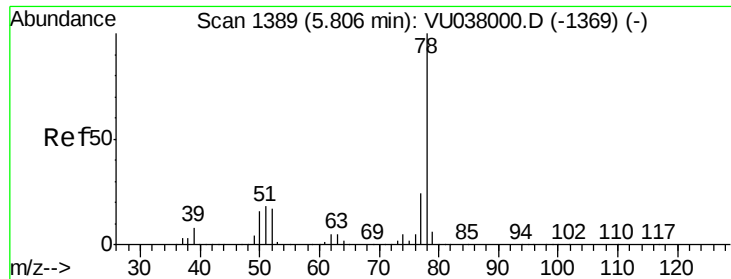
#34
Propionitrile
Concen: 47.574 ug/l
RT: 4.82 min Scan# 1082
Delta R.T. -0.00 min
Lab File: VU038009.D
Acq: 05 May 2020 10:29

Tgt Ion	Ratio	Lower	Upper
54	100		
52	19.2	15.8	23.8
55	17.2	13.2	19.8
40	6.8	5.2	7.8



Abundance Ion 54.00 (53.70 to 54.70): VU038009.D (-927) (-)
Ion 52.00 (51.70 to 52.70): VU038009.D (-927) (-)
Ion 55.00 (54.70 to 55.70): VU038009.D (-927) (-)
Ion 40.00 (39.70 to 40.70): VU038009.D (-927) (-)





#35

Benzene

Concen: 9.989 ug/l

RT: 5.81 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VU038009.D

Acq: 05 May 2020 10:29

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 78 Resp: 1016048

Ion Ratio Lower Upper

78 100

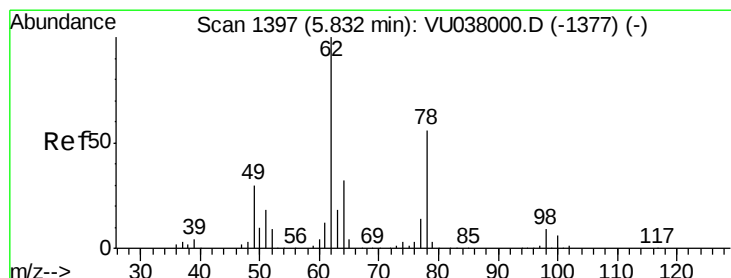
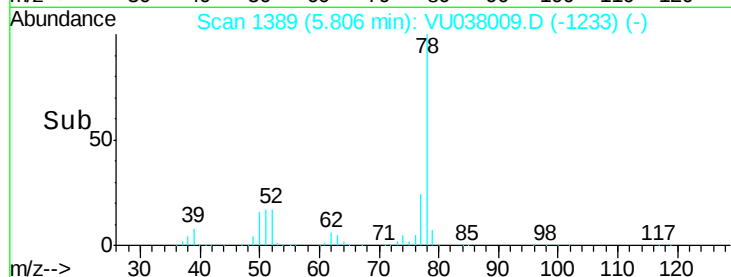
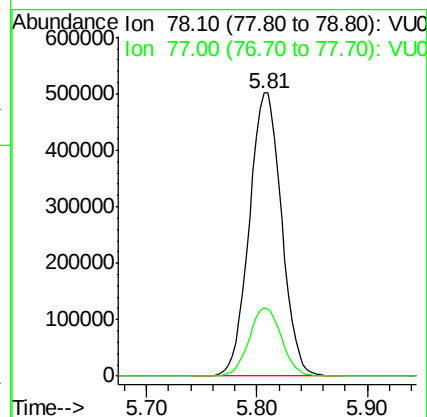
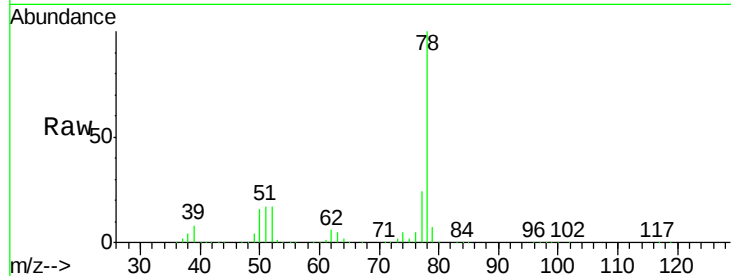
77 24.0 19.3 28.9

Manual Integrations

APPROVED

apatel

5/6/2020 10:39:11 AM



#36

1,2-Dichloroethane

Concen: 10.067 ug/l

RT: 5.83 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VU038009.D

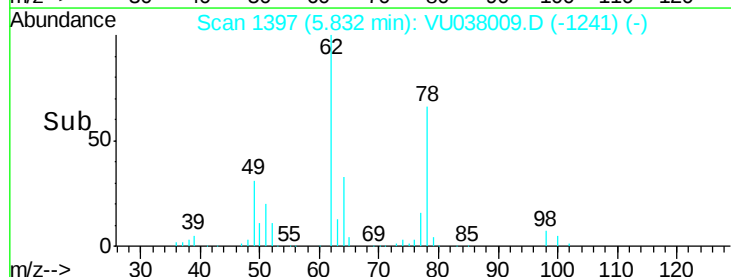
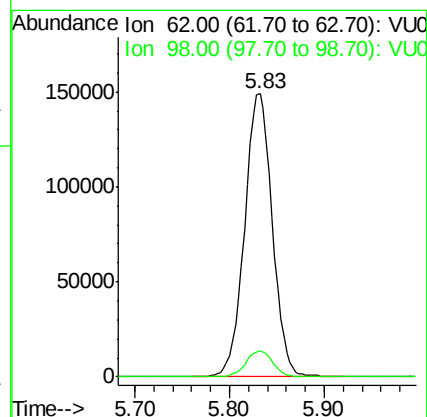
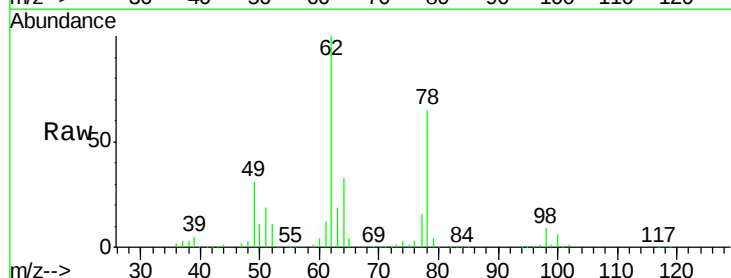
Acq: 05 May 2020 10:29

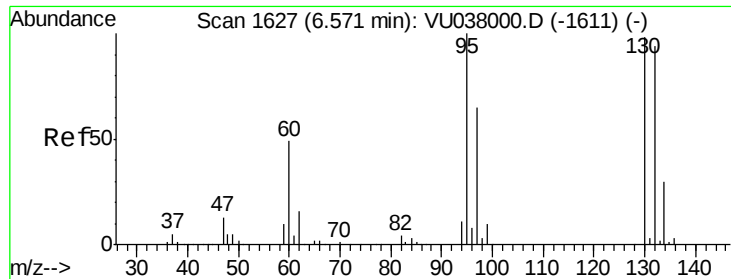
Tgt Ion: 62 Resp: 302943

Ion Ratio Lower Upper

62 100

98 9.0 7.3 10.9





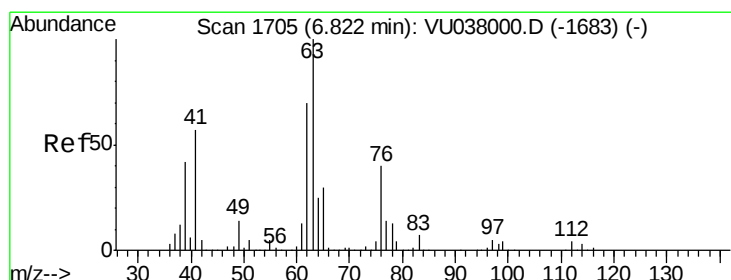
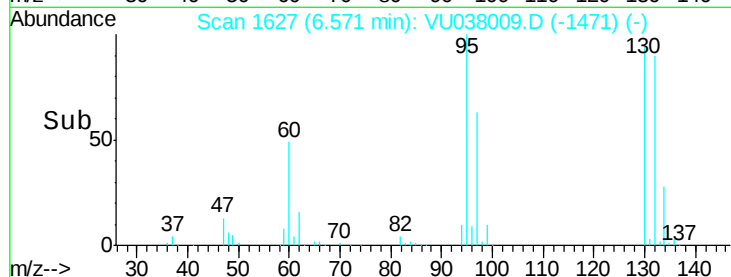
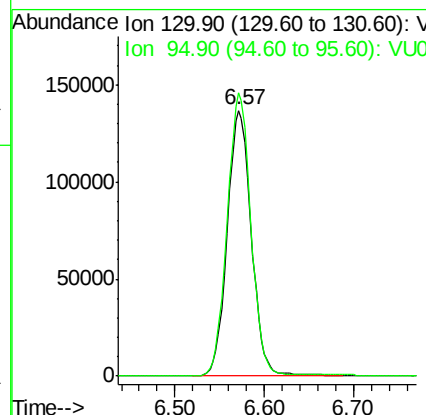
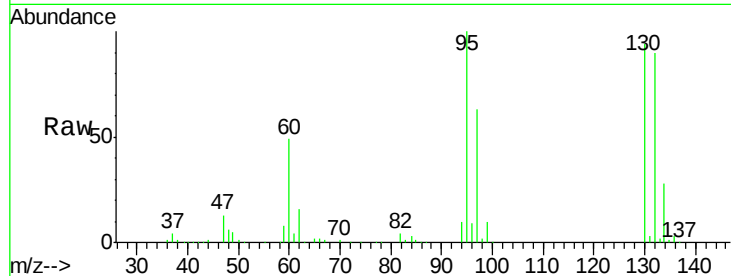
#37
 Trichloroethene
 Concen: 9.602 ug/l
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038009.D
 Acq: 05 May 2020 10:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion:130 Resp: 256443
 Ion Ratio Lower Upper
 130 100
 95 106.4 81.6 122.4

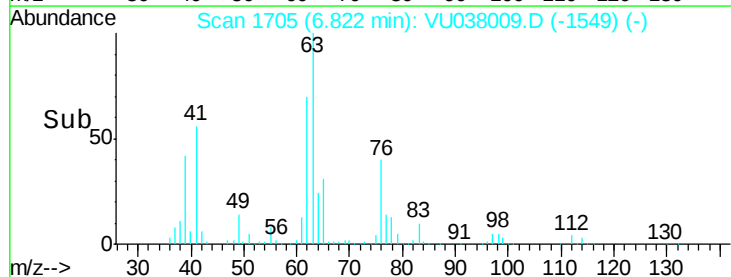
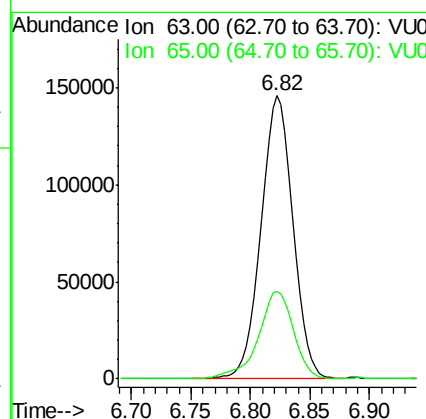
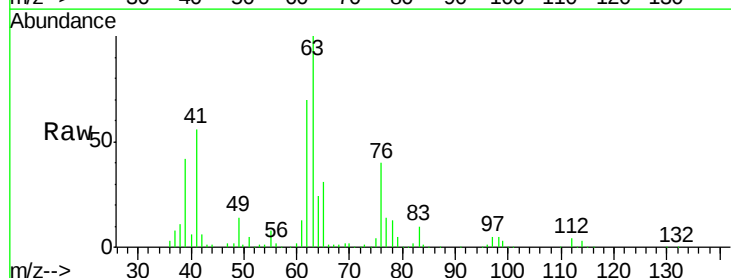
Manual Integrations
 APPROVED

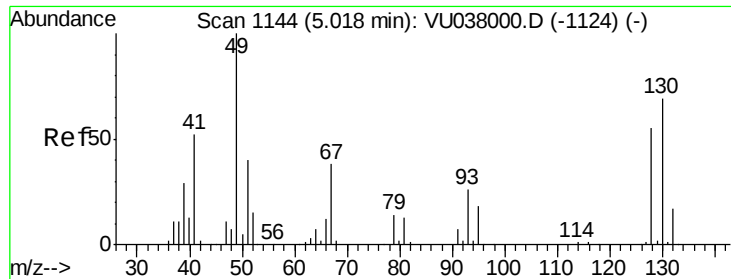
apatel
 5/6/2020 10:39:11 AM



#38
 1,2-Dichloropropane
 Concen: 9.919 ug/l
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU038009.D
 Acq: 05 May 2020 10:29

Tgt Ion: 63 Resp: 271482
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.1 36.1





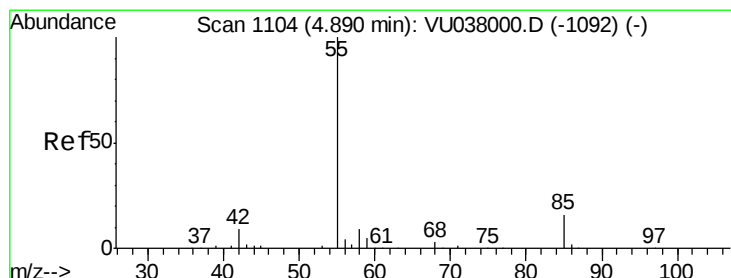
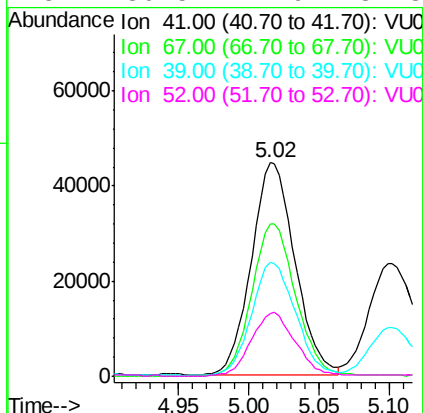
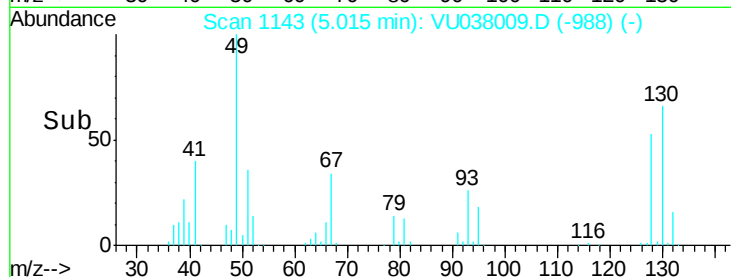
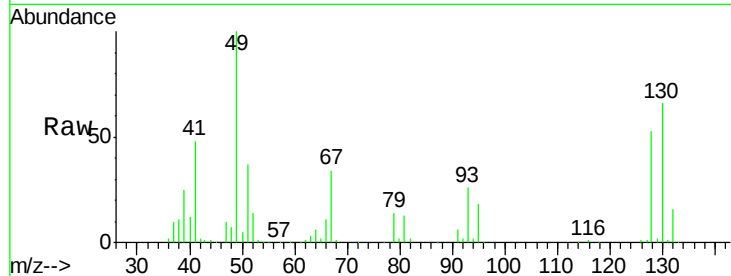
#39
Methacrylonitrile
Concen: 9.733 ug/l
RT: 5.02 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VU038009.D
Acq: 05 May 2020 10:29

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	41	Resp	96363
Ion	Ratio	Lower	Upper
41	100		
67	72.8	58.0	87.0
39	54.0	43.2	64.8
52	30.5	22.9	34.3

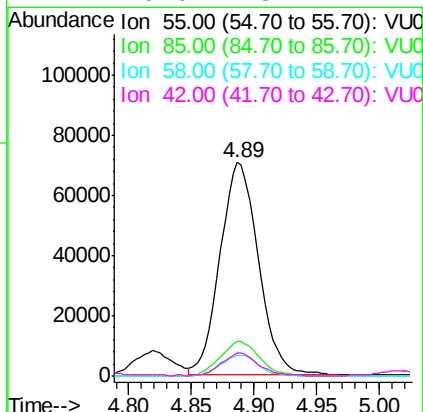
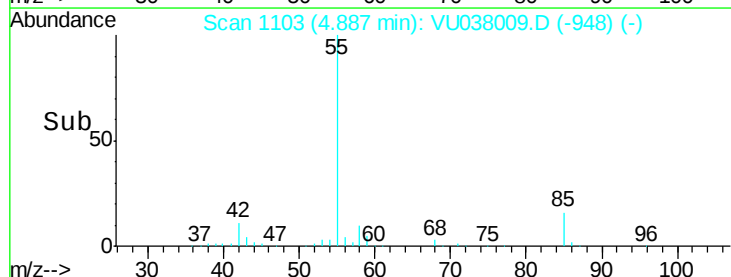
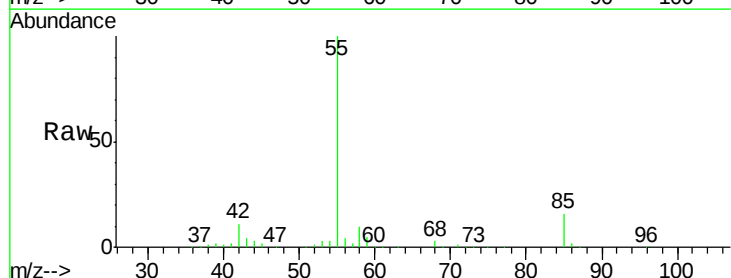
Manual Integrations
APPROVED

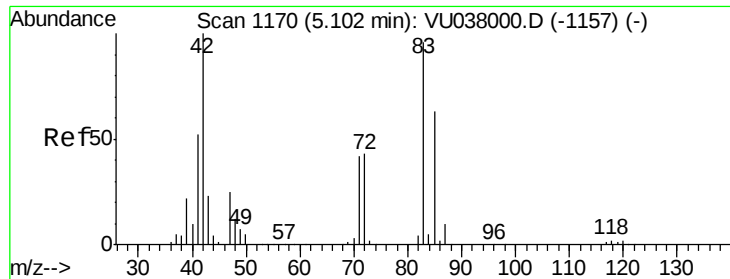
apatel
5/6/2020 10:39:11 AM



#40
Methyl acrylate
Concen: 10.308 ug/l
RT: 4.89 min Scan# 1103
Delta R.T. -0.00 min
Lab File: VU038009.D
Acq: 05 May 2020 10:29

Tgt Ion	55	Resp	150391
Ion	Ratio	Lower	Upper
55	100		
85	16.5	12.9	19.3
58	9.6	7.2	10.8
42	10.0	8.1	12.1





#41

Tetrahydrofuran

Concen: 18.893 ug/l

RT: 5.10 min Scan# 1169

Delta R.T. -0.00 min

Lab File: VU038009.D

Acq: 05 May 2020 10:29

Instrument :

MSVOA_U

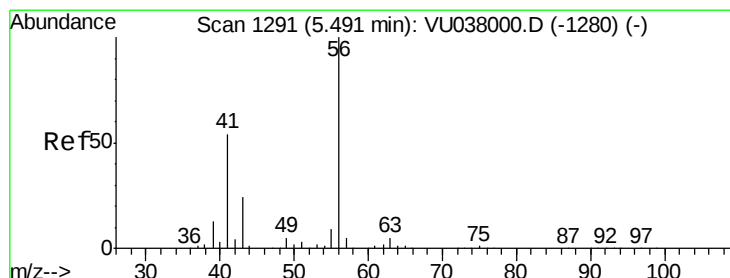
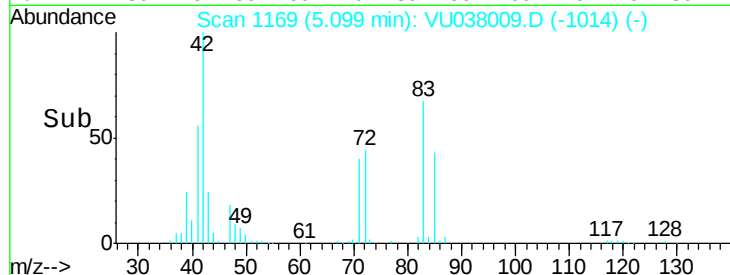
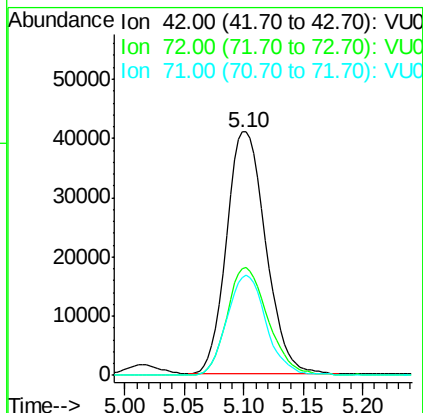
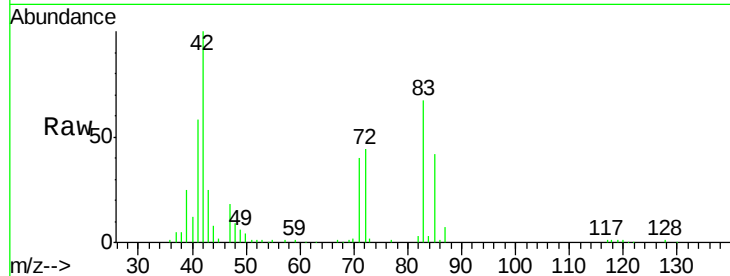
ClientSampleId :

VSTDCCC010

Tot Ion:	42	Resp:	93305
Ion	Ratio	Lower	Upper
42	100		
72	46.6	37.4	56.2
71	41.5	32.8	49.2

Manual Integrations
APPROVED

apatel
5/6/2020 10:39:11 AM



#42

1-Chlorobutane

Concen: 10.035 ug/l

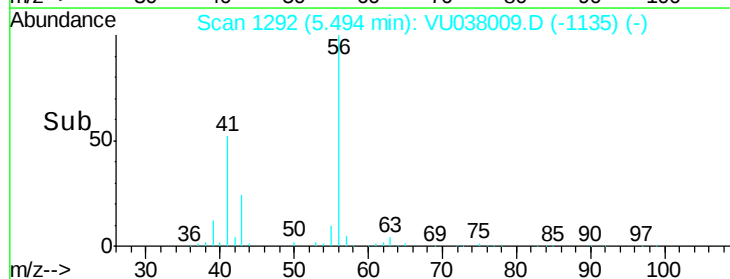
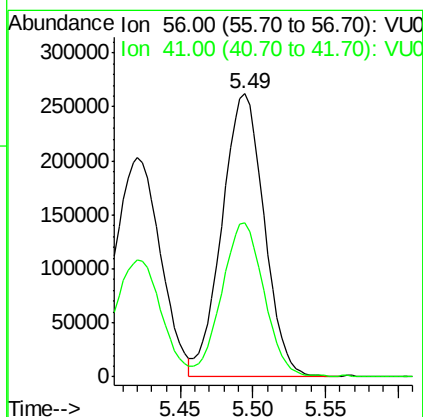
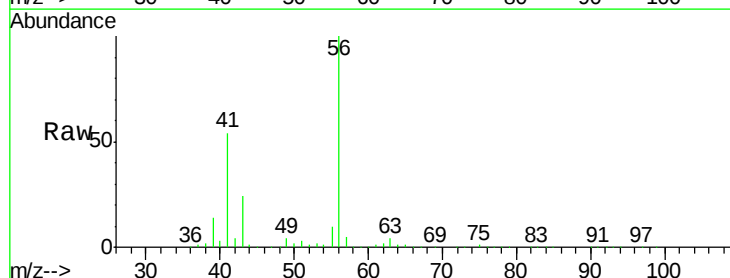
RT: 5.49 min Scan# 1292

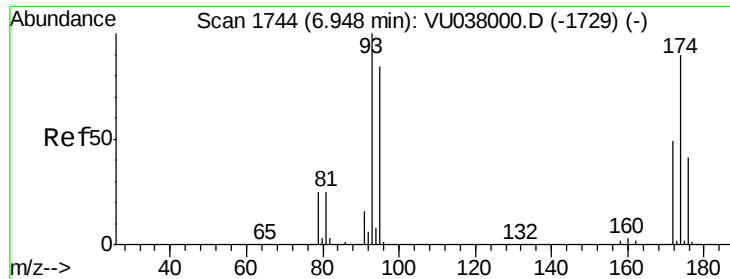
Delta R.T. 0.00 min

Lab File: VU038009.D

Acq: 05 May 2020 10:29

Tgt Ion:	56	Resp:	525542
Ion	Ratio	Lower	Upper
56	100		
41	53.8	26.8	80.4





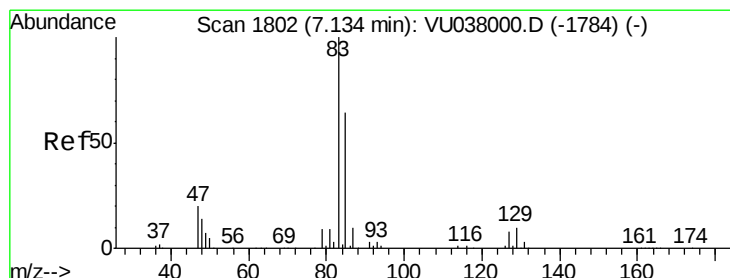
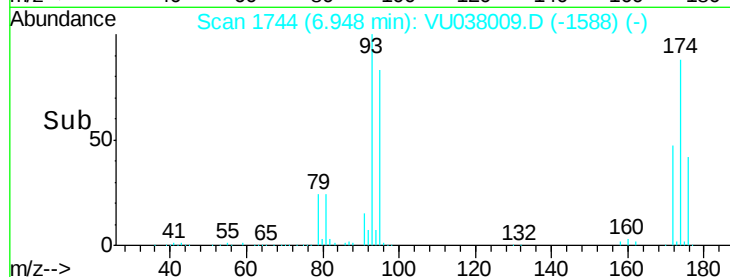
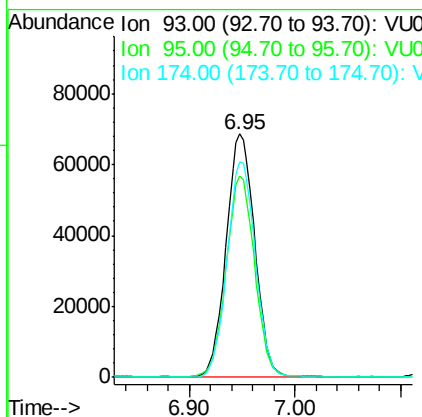
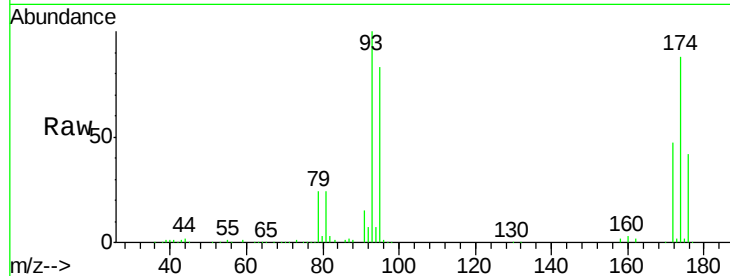
#43
Dibromomethane
Concen: 10.107 ug/l
RT: 6.95 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VU038009.D
Acq: 05 May 2020 10:29

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
93	100		
95	81.3	66.1	99.1
174	87.8	72.8	109.2

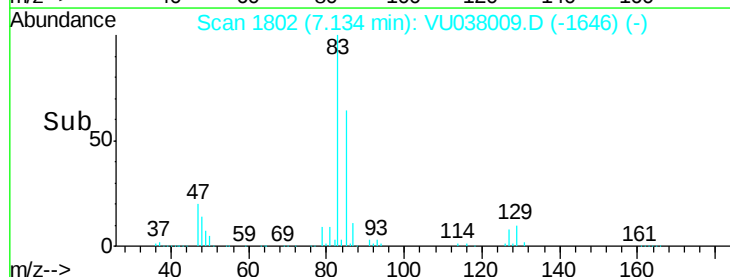
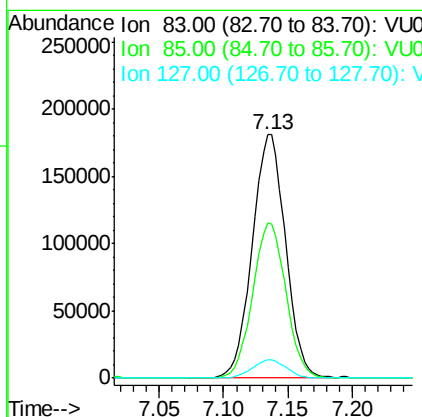
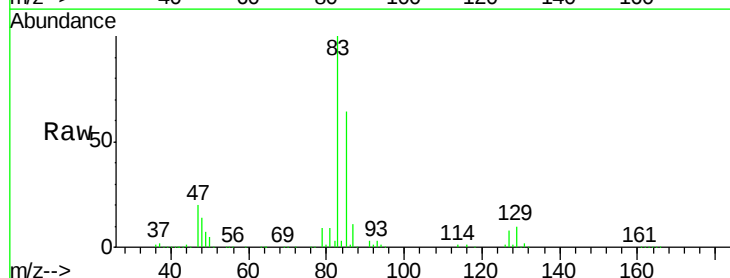
Manual Integrations
APPROVED

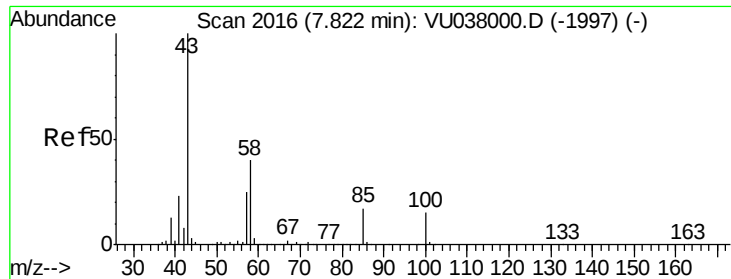
apatel
5/6/2020 10:39:11 AM



#44
Bromodichloromethane
Concen: 10.170 ug/l
RT: 7.13 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VU038009.D
Acq: 05 May 2020 10:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.4	77.0
127	7.7	6.2	9.2





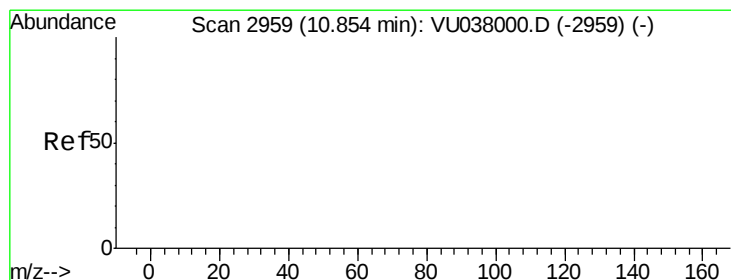
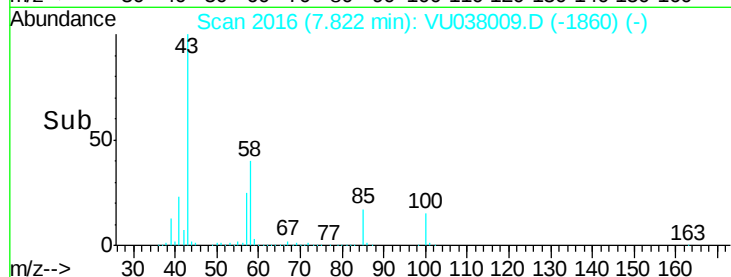
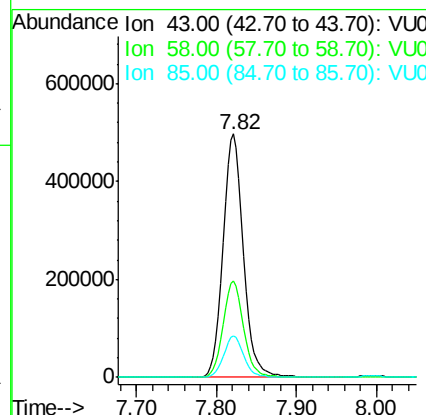
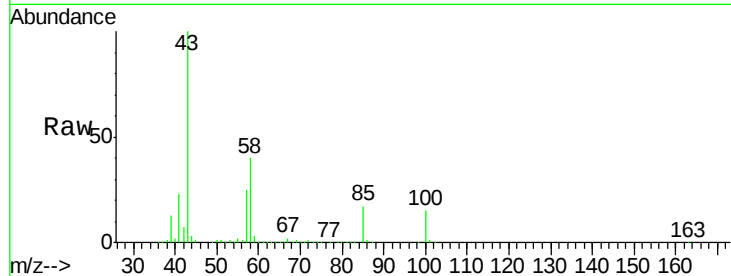
#45
 4-Methyl-2-Pentanone
 Concen: 50.531 ug/l
 RT: 7.82 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VU038009.D
 Acq: 05 May 2020 10:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.9	20.1	60.3
85	16.9	13.7	20.5

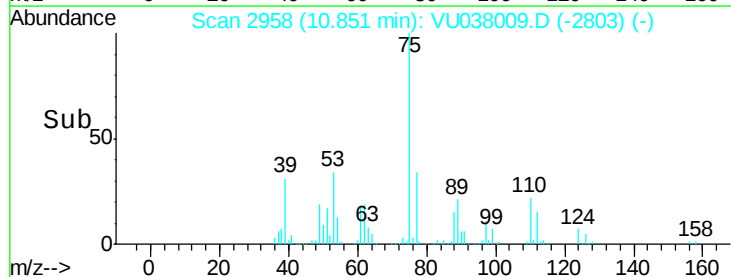
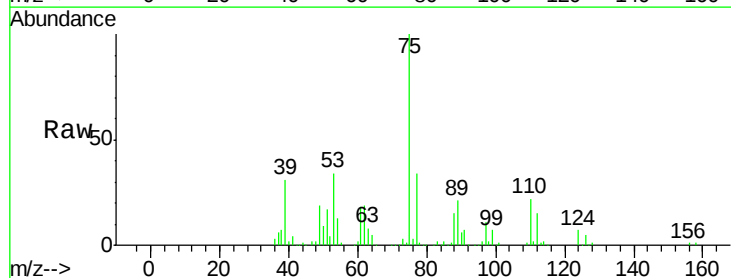
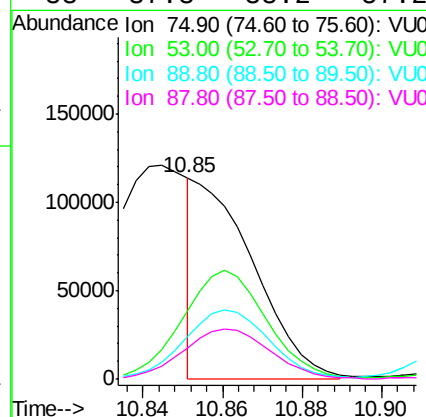
Manual Integrations
 APPROVED

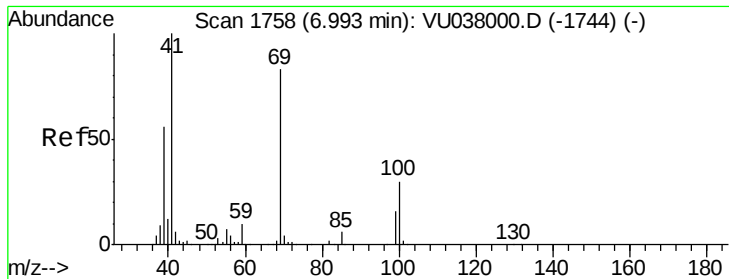
apatel
 5/6/2020 10:39:11 AM



#46
 t-1,4-Dichloro-2-butene
 Concen: 21.956 ug/l m
 RT: 10.85 min Scan# 2958
 Delta R.T. -0.00 min
 Lab File: VU038009.D
 Acq: 05 May 2020 10:29

Tgt Ion	Ratio	Lower	Upper
75	100		
53	77.9	81.1	121.7#
89	50.5	53.2	79.8#
88	37.3	38.2	57.2#





#47

Methvl methacrylate

Concen: 20.687 ug/l

RT: 6.99 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VU038009.D

Acq: 05 May 2020 10:29

Instrument :

MSVOA_U

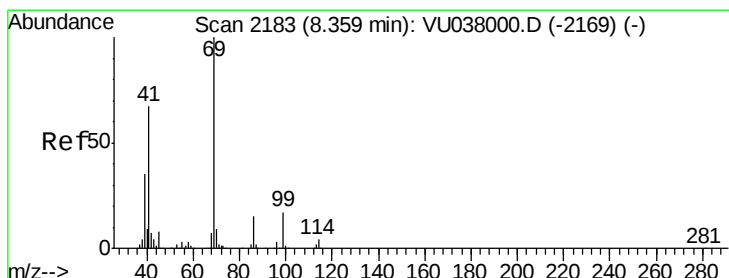
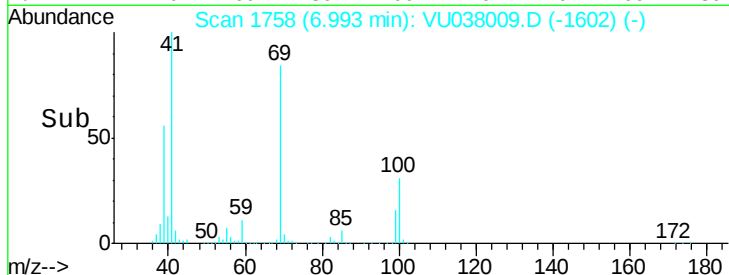
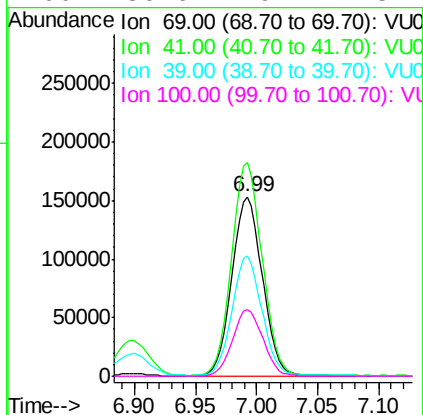
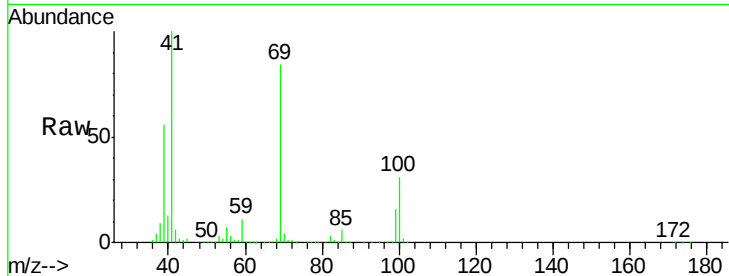
ClientSampleId :

VSTDCCC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	117.7	0.0	241.6		
39	64.8	52.9	79.3		
100	36.6	29.1	43.7		

Manual Integrations
APPROVED

apatel
5/6/2020 10:39:11 AM



#48

Ethyl methacrylate

Concen: 10.234 ug/l

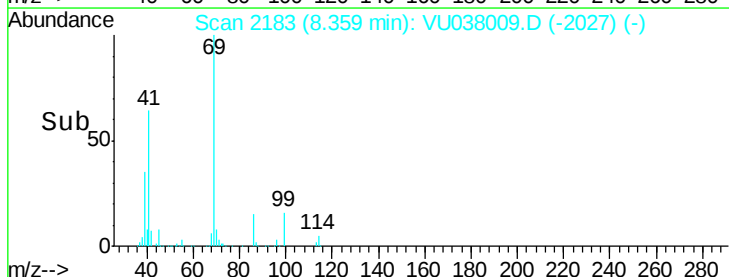
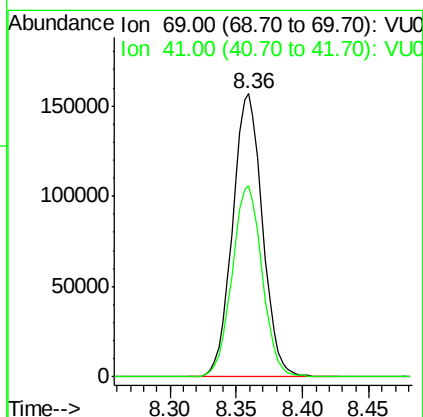
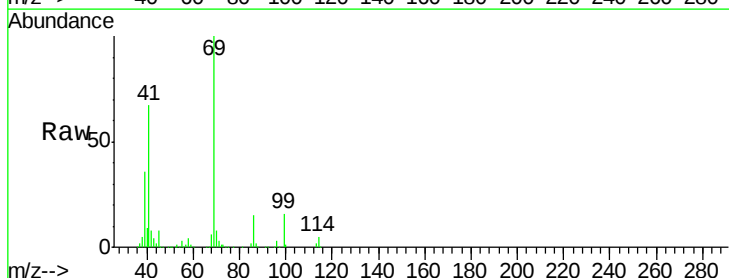
RT: 8.36 min Scan# 2183

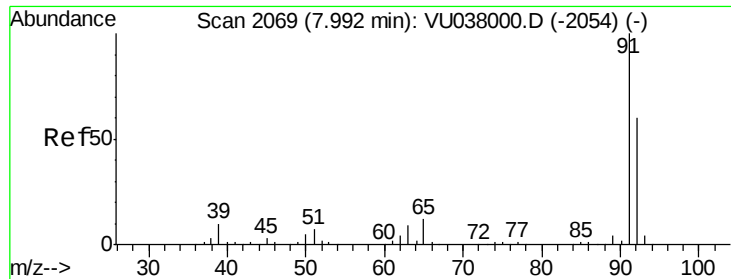
Delta R.T. 0.00 min

Lab File: VU038009.D

Acq: 05 May 2020 10:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	67.8	33.6	100.8		





#49

Toluene

Concen: 10.091 ug/l

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU038009.D

Acq: 05 May 2020 10:29

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 92 Resp: 648947

Ion Ratio Lower Upper

92 100

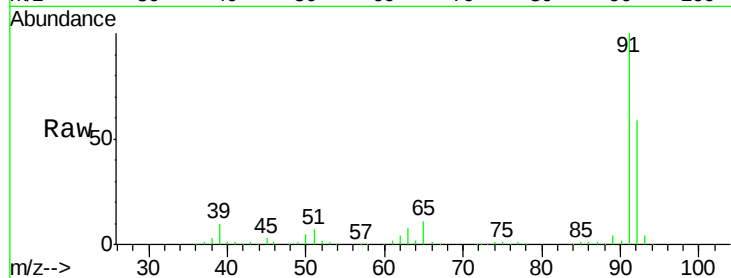
91 168.8 134.4 201.6

Manual Integrations

APPROVED

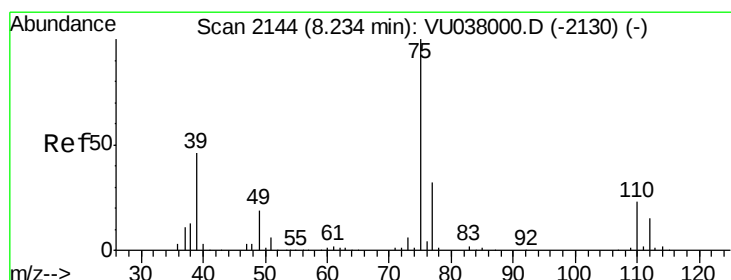
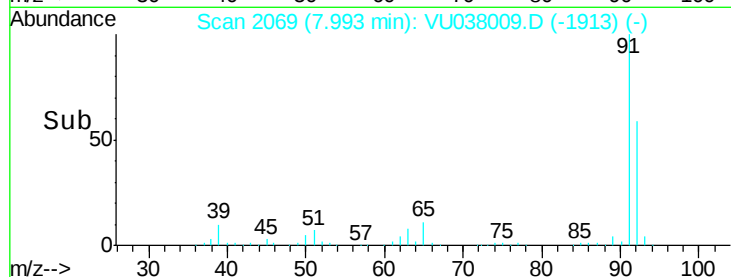
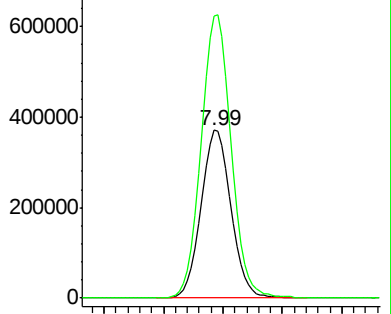
apatel

5/6/2020 10:39:11 AM



Abundance Ion 92.00 (91.70 to 92.70): VU038000.D (-2054) (-)

Ion 91.00 (90.70 to 91.70): VU038000.D (-2054) (-)



#50

t-1,3-Dichloropropene

Concen: 10.067 ug/l

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU038009.D

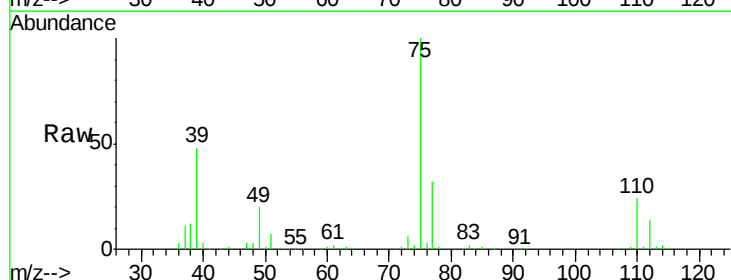
Acq: 05 May 2020 10:29

Tgt Ion: 75 Resp: 329394

Ion Ratio Lower Upper

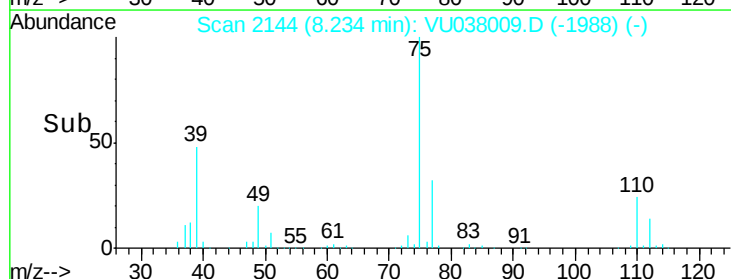
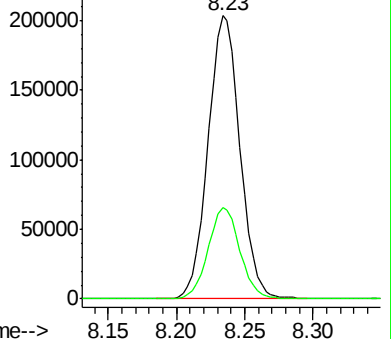
75 100

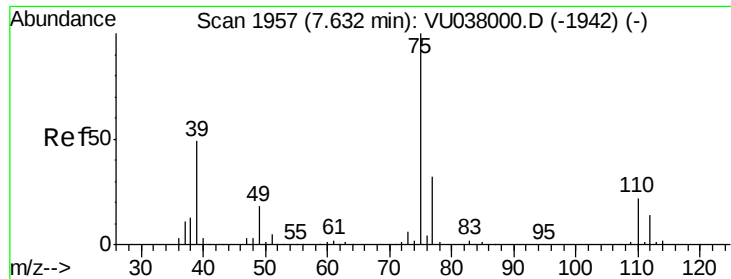
77 32.1 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VU038000.D (-2130) (-)

Ion 77.00 (76.70 to 77.70): VU038000.D (-2130) (-)





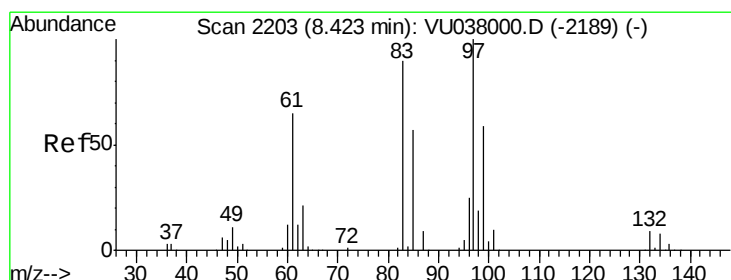
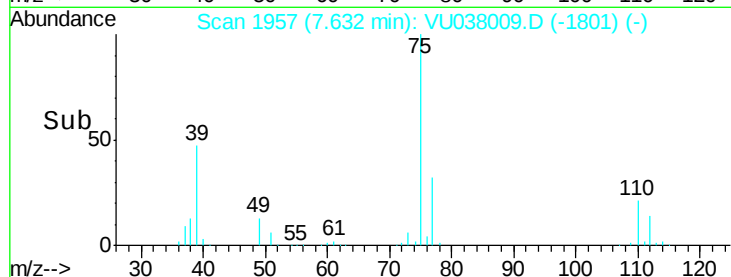
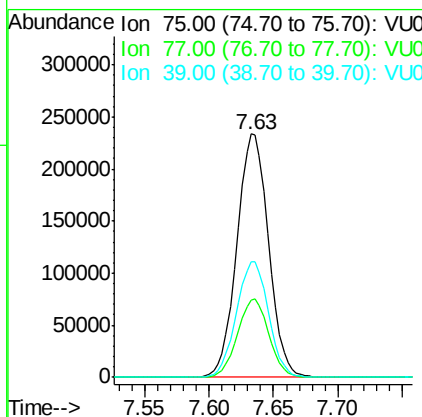
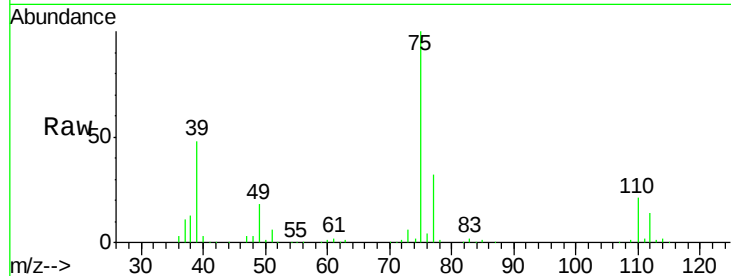
#51
 cis-1,3-Dichloropropene
 Concen: 10.150 ug/l
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU038009.D
 Acq: 05 May 2020 10:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
77	31.9	25.5	38.3	
39	47.6	39.0	58.4	

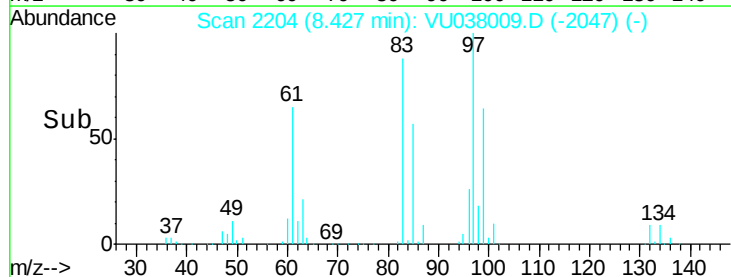
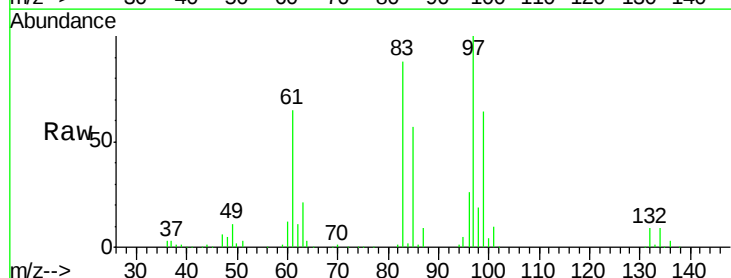
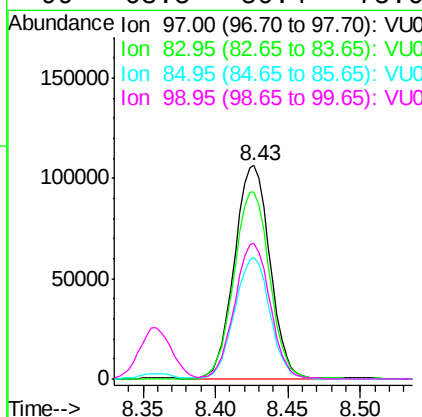
Manual Integrations
 APPROVED

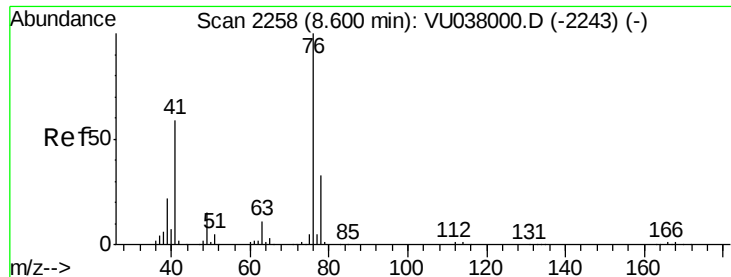
apatel
 5/6/2020 10:39:11 AM



#52
 1,1,2-Trichloroethane
 Concen: 10.031 ug/l
 RT: 8.43 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VU038009.D
 Acq: 05 May 2020 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
83	87.9	72.4	108.6	
85	57.0	46.0	69.0	
99	63.5	50.4	75.6	





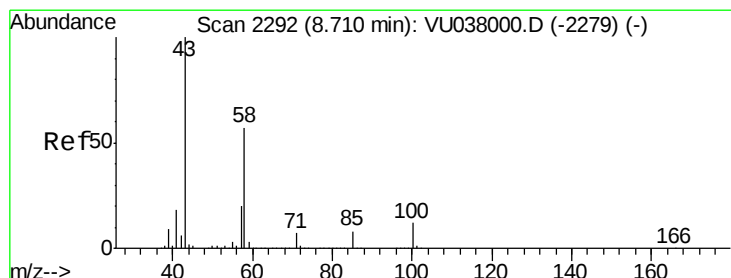
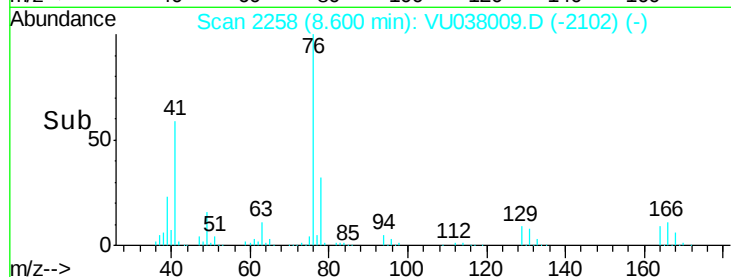
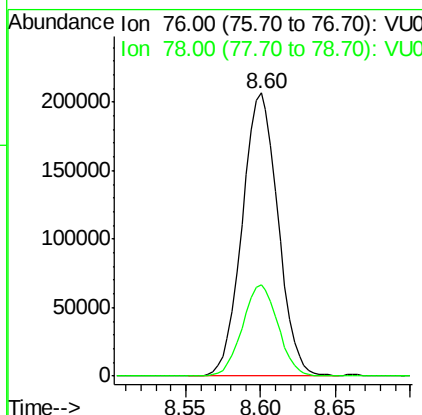
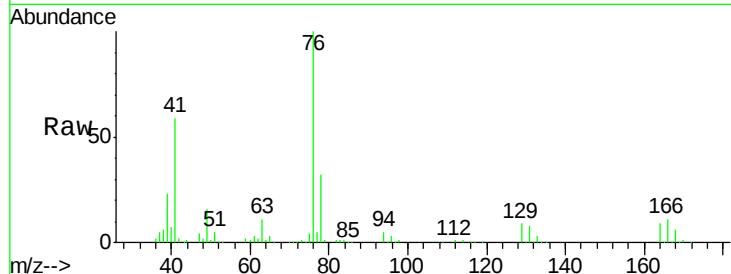
#53
 1,3-Dichloropropane
 Concen: 10.160 ug/l
 RT: 8.60 min Scan# 2258
 Delta R.T. 0.00 min
 Lab File: VU038009.D
 Acq: 05 May 2020 10:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.6

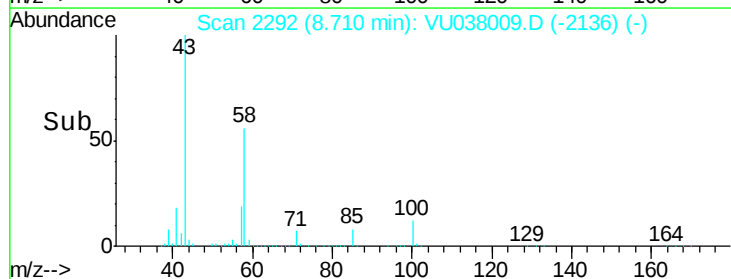
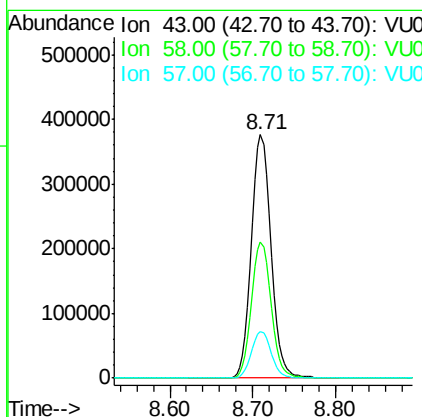
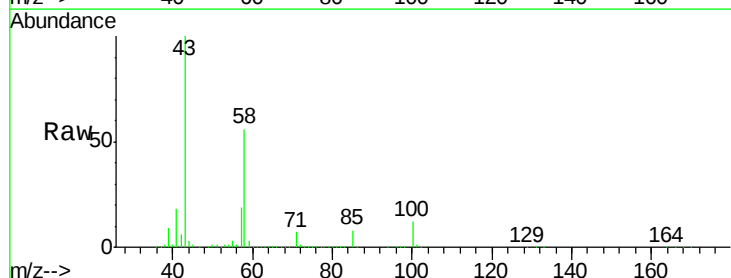
Manual Integrations
 APPROVED

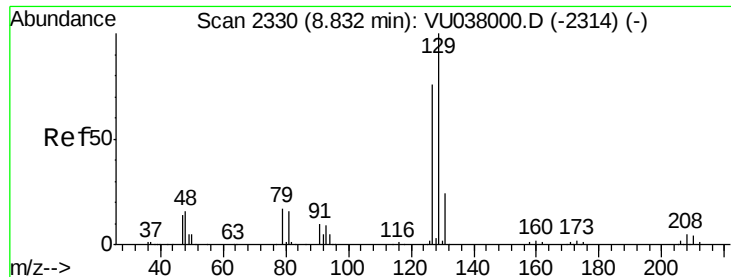
apatel
 5/6/2020 10:39:11 AM



#54
 2-Hexanone
 Concen: 50.099 ug/l
 RT: 8.71 min Scan# 2292
 Delta R.T. 0.00 min
 Lab File: VU038009.D
 Acq: 05 May 2020 10:29

Tgt Ion	Ratio	Lower	Upper
43	100		
58	56.2	36.5	76.5
57	19.3	0.0	39.5





#55

Dibromochloromethane

Concen: 10.231 ug/l

RT: 8.83 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VU038009.D

Acq: 05 May 2020 10:29

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion:129 Resp: 204676

Ion Ratio Lower Upper

129 100

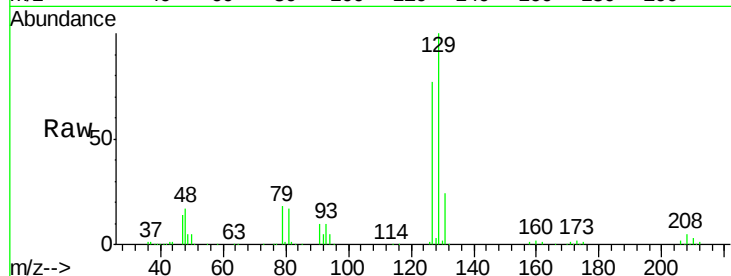
127 77.8 62.2 93.2

Manual Integrations

APPROVED

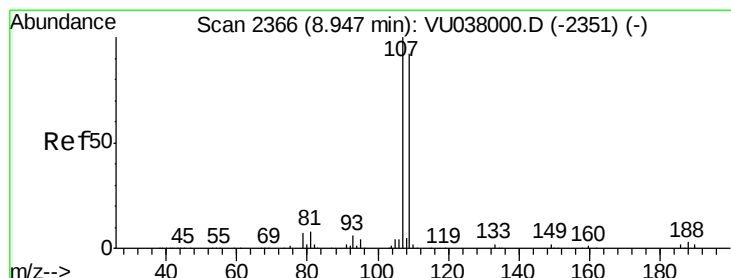
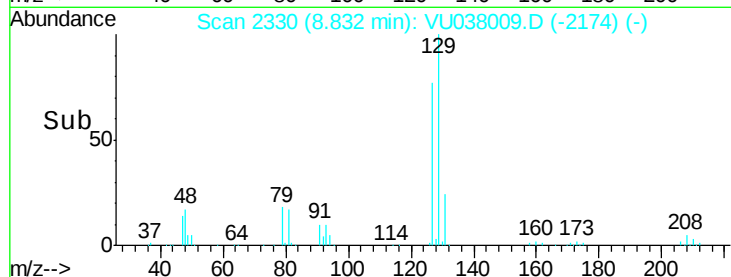
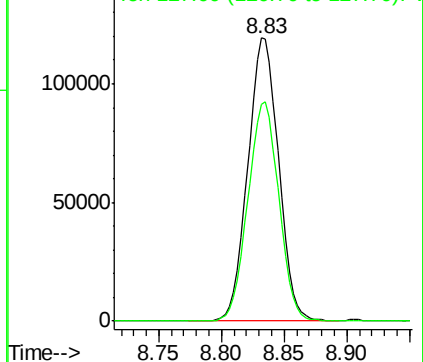
apatel

5/6/2020 10:39:11 AM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 9.951 ug/l

RT: 8.95 min Scan# 2366

Delta R.T. 0.00 min

Lab File: VU038009.D

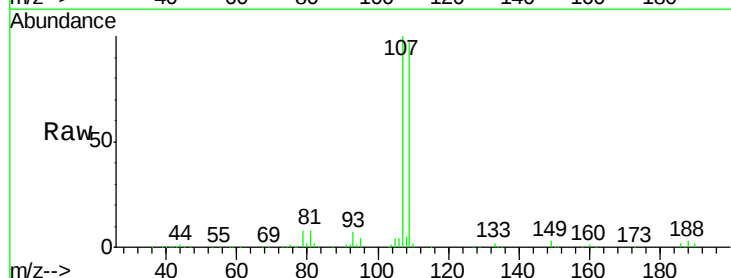
Acq: 05 May 2020 10:29

Tgt Ion:107 Resp: 169486

Ion Ratio Lower Upper

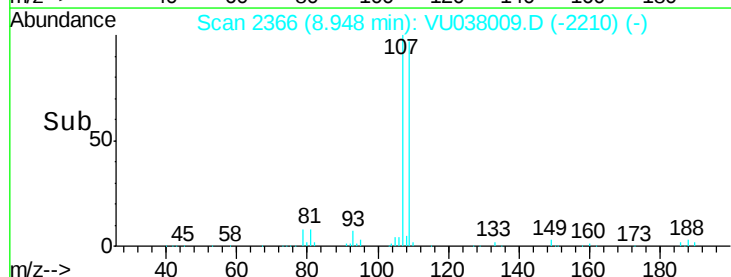
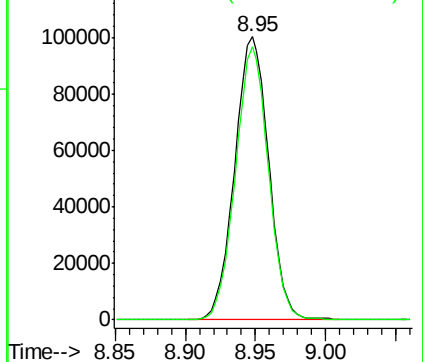
107 100

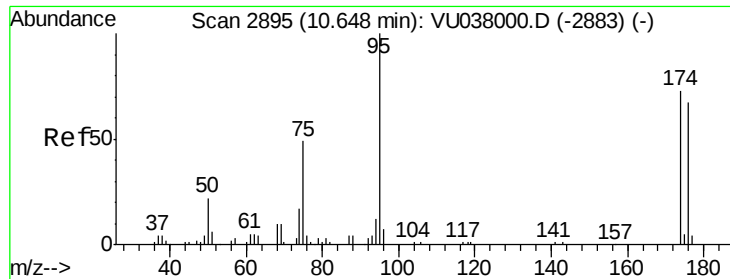
109 93.6 0.0 184.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





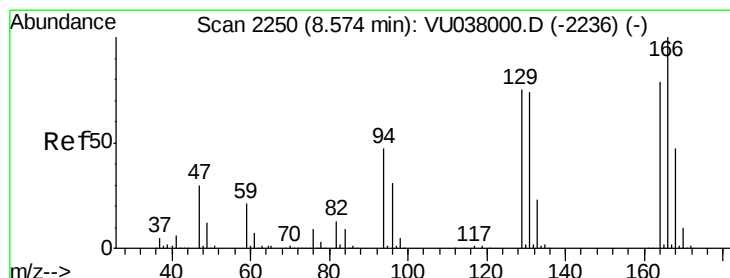
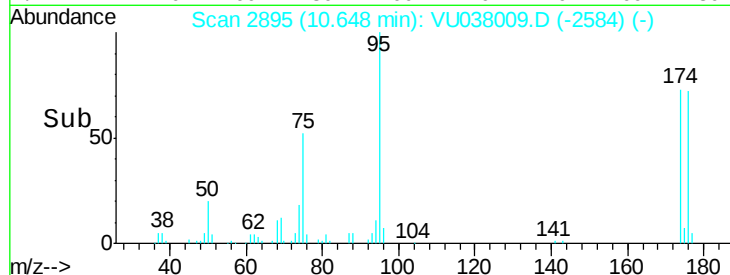
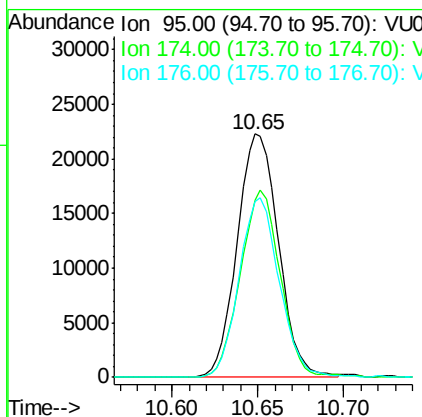
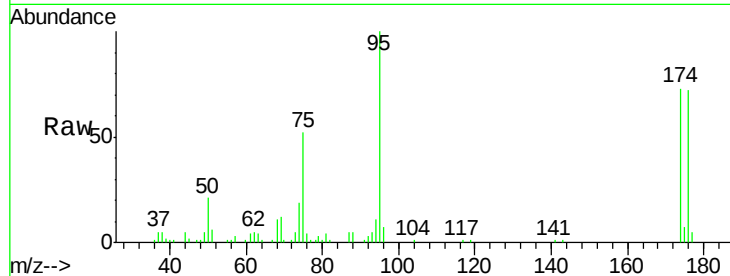
#57
4-Bromofluorobenzene
Concen: 1.112 ug/l
RT: 10.65 min Scan# 2895
Delta R.T. 0.00 min
Lab File: VU038009.D
Acq: 05 May 2020 10:29

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Resp	Lower	Upper
95	100	37186		
174	74.2	61.2	91.8	
176	71.8	57.1	85.7	

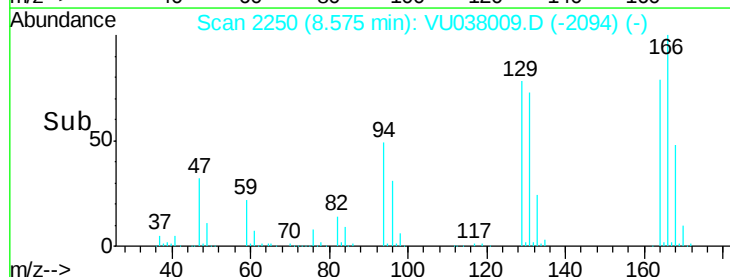
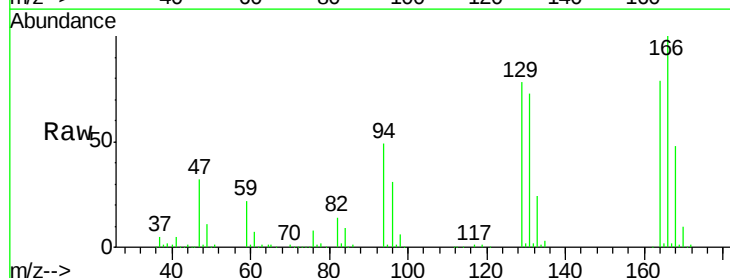
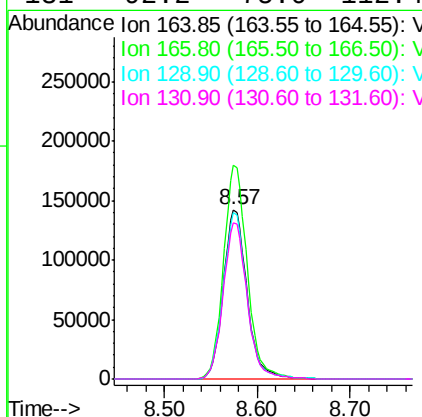
Manual Integrations
APPROVED

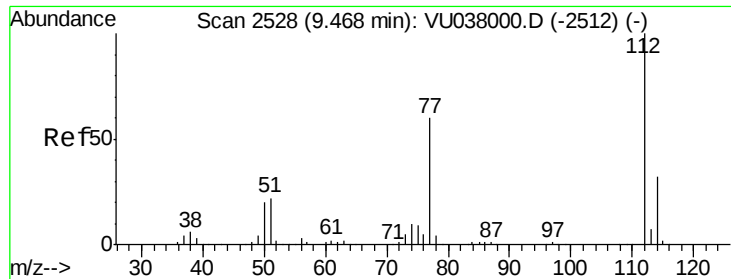
apatel
5/6/2020 10:39:11 AM



#58
Tetrachloroethene
Concen: 10.139 ug/l
RT: 8.57 min Scan# 2250
Delta R.T. 0.00 min
Lab File: VU038009.D
Acq: 05 May 2020 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	252735		
166	126.0	101.5	152.3	
129	97.9	76.6	114.8	
131	92.2	75.0	112.4	





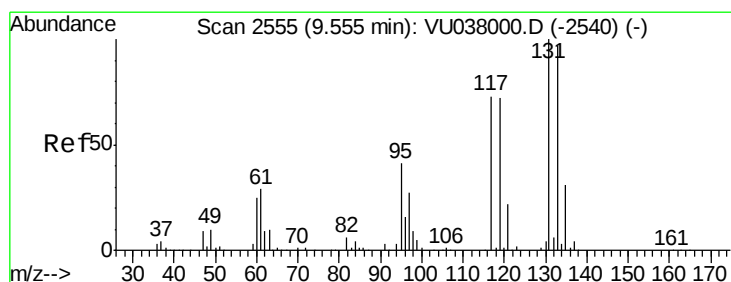
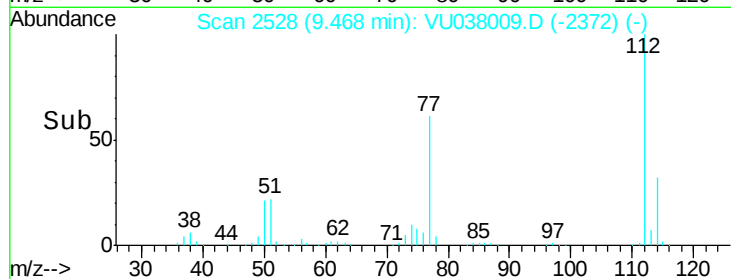
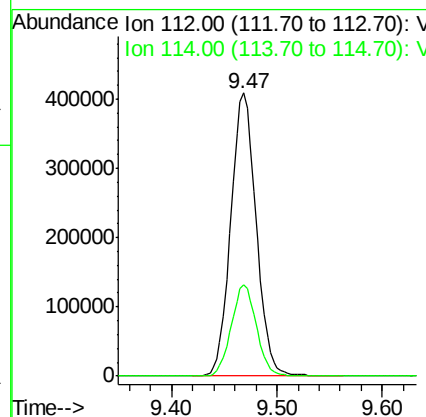
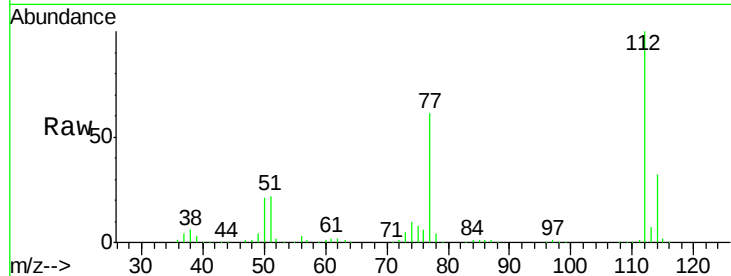
#59
Chlorobenzene
Concen: 9.988 ug/l
RT: 9.47 min Scan# 2528
Delta R.T. 0.00 min
Lab File: VU038009.D
Acq: 05 May 2020 10:29

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion:112 Resp: 682009
Ion Ratio Lower Upper
112 100
114 32.3 25.7 38.5

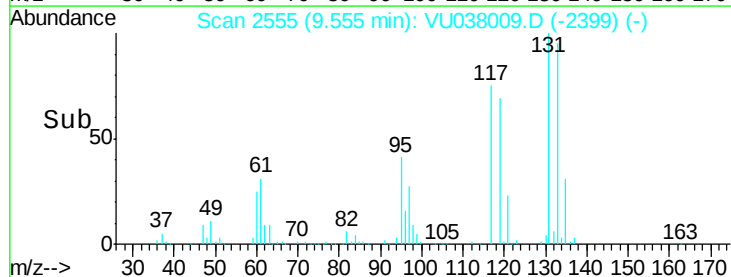
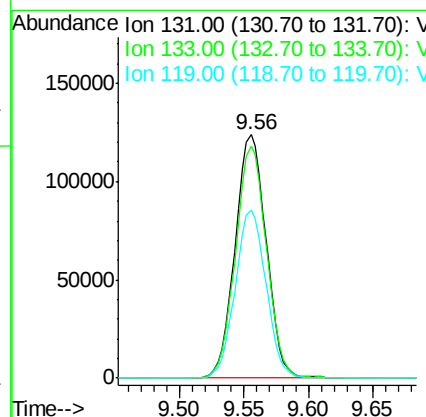
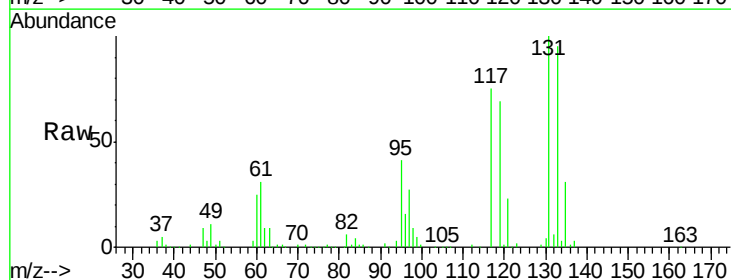
Manual Integrations
APPROVED

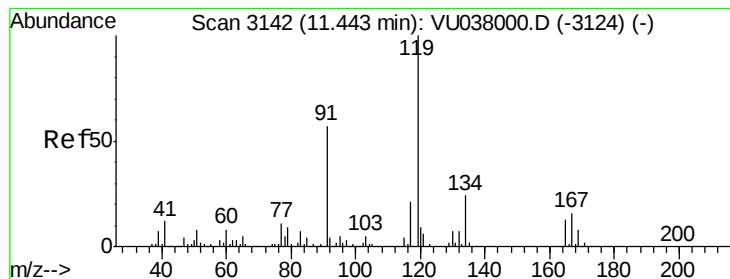
apatel
5/6/2020 10:39:11 AM



#60
1,1,1,2-Tetrachloroethane
Concen: 10.015 ug/l
RT: 9.56 min Scan# 2555
Delta R.T. 0.00 min
Lab File: VU038009.D
Acq: 05 May 2020 10:29

Tgt Ion:131 Resp: 207618
Ion Ratio Lower Upper
131 100
133 94.8 76.8 115.2
119 68.3 56.7 85.1





#61

Pentachloroethane

Concen: 9.674 ug/l

RT: 11.45 min Scan# 3143

Delta R.T. 0.00 min

Lab File: VU038009.D

Acq: 05 May 2020 10:29

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 150217

Ion Ratio Lower Upper

117 100

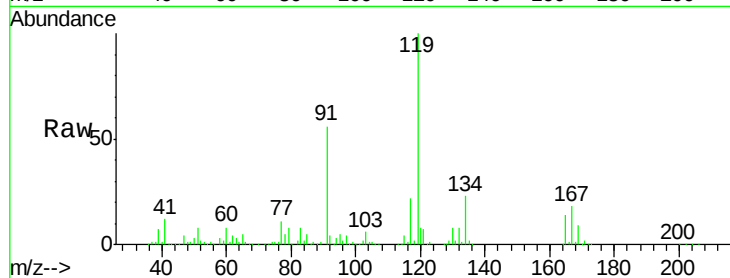
167 73.6 60.3 90.5

Manual Integrations

APPROVED

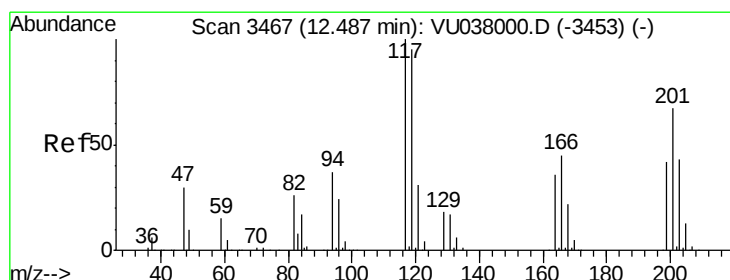
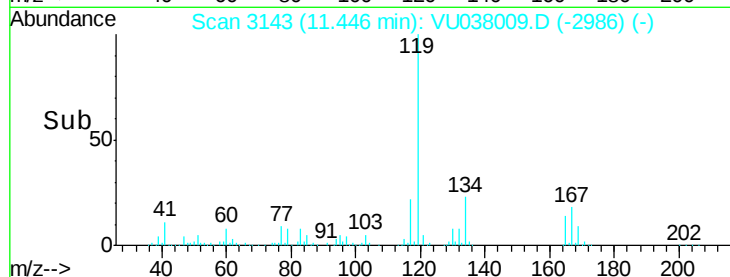
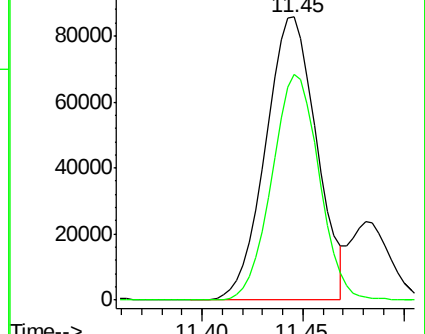
apatel

5/6/2020 10:39:11 AM



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 9.663 ug/l

RT: 12.49 min Scan# 3468

Delta R.T. 0.00 min

Lab File: VU038009.D

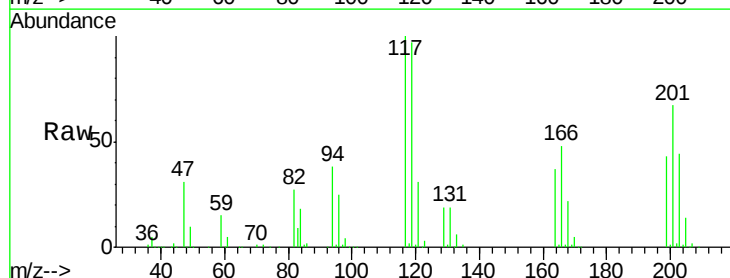
Acq: 05 May 2020 10:29

Tgt Ion:117 Resp: 156174

Ion Ratio Lower Upper

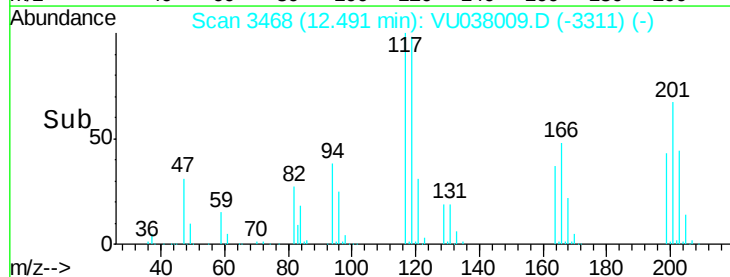
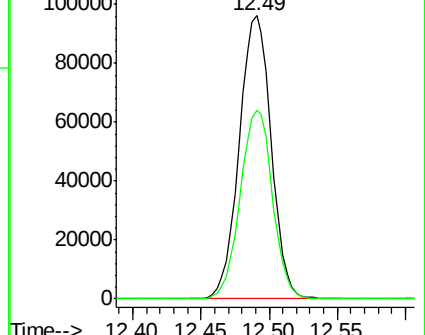
117 100

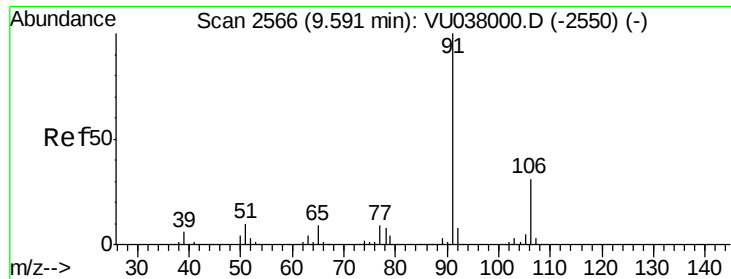
201 67.3 54.7 82.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





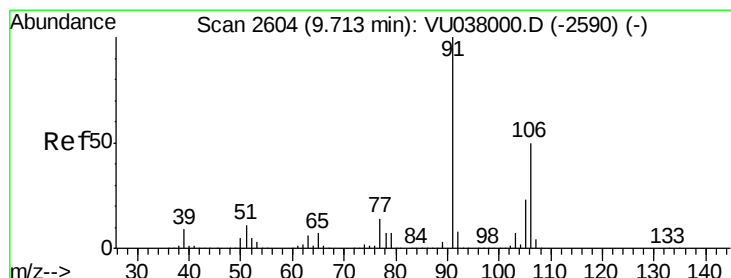
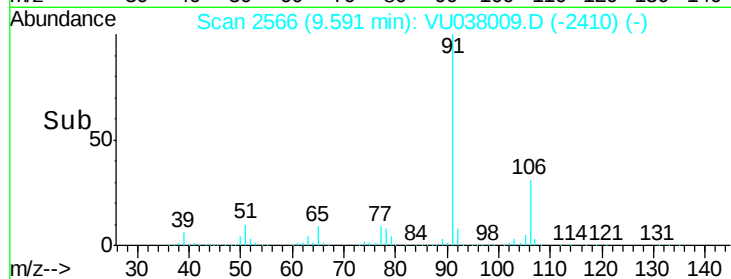
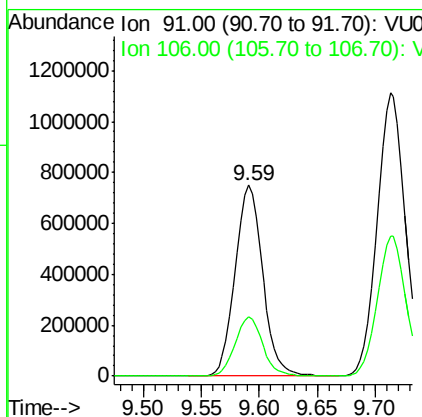
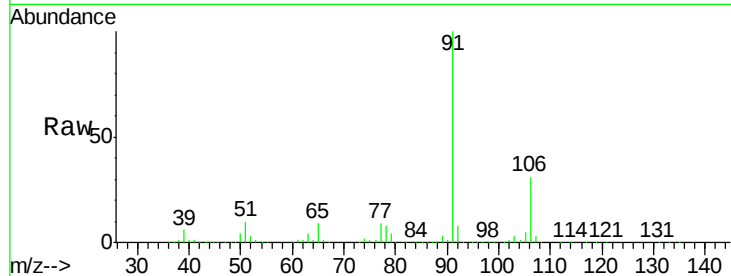
#63
Ethyl Benzene
Concen: 10.175 ug/l
RT: 9.59 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VU038009.D
Acq: 05 May 2020 10:29

Instrument :
MSVOA_U
ClientSampled :
VSTDCCC010

Tot Ion: 91 Resp: 1236129
Ion Ratio Lower Upper
91 100
106 31.0 24.9 37.3

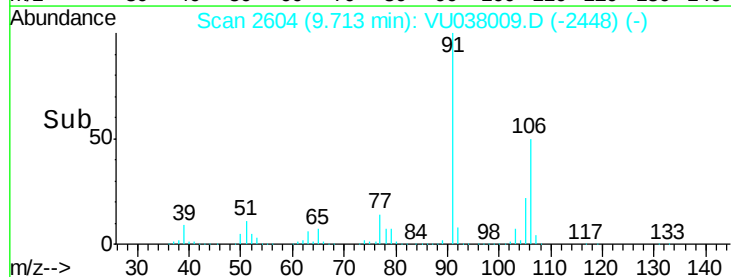
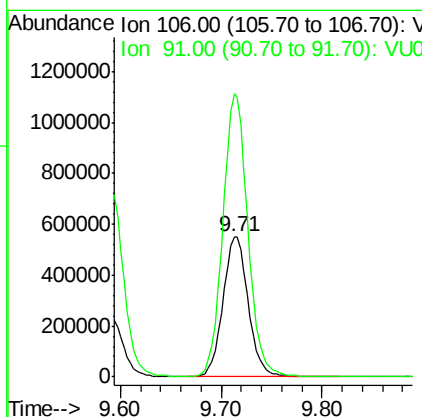
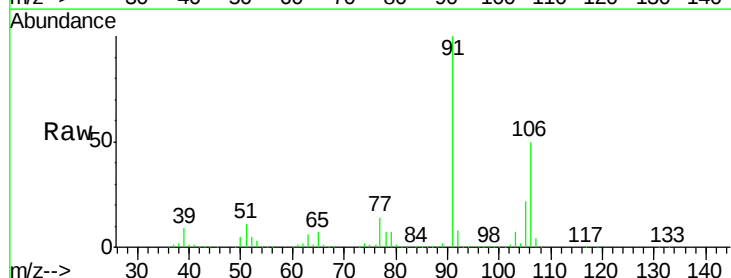
Manual Integrations
APPROVED

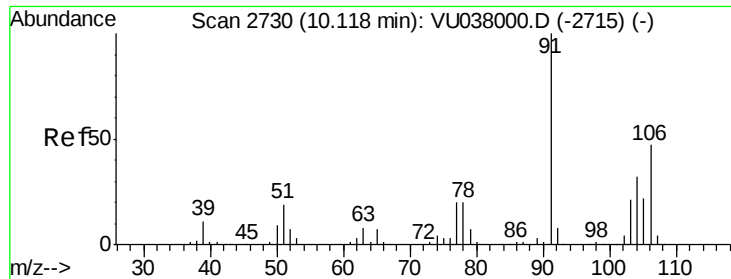
apatel
5/6/2020 10:39:11 AM



#64
m/p-Xylenes
Concen: 20.574 ug/l
RT: 9.71 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VU038009.D
Acq: 05 May 2020 10:29

Tgt Ion: 106 Resp: 962014
Ion Ratio Lower Upper
106 100
91 199.9 159.5 239.3





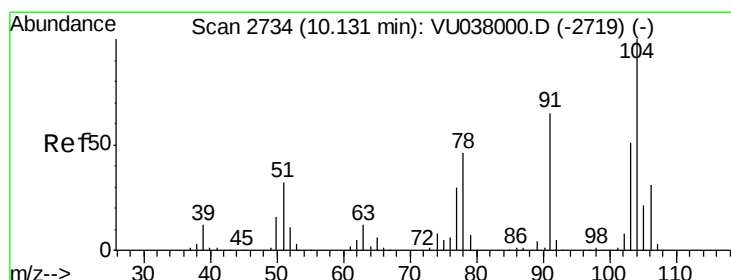
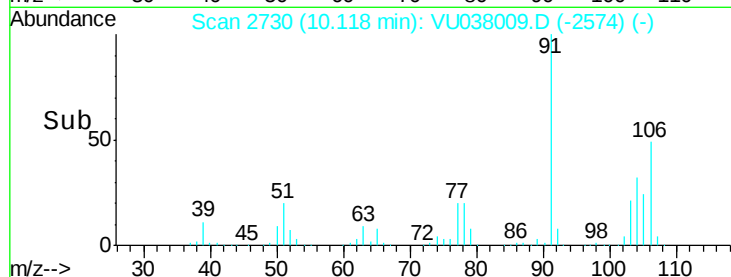
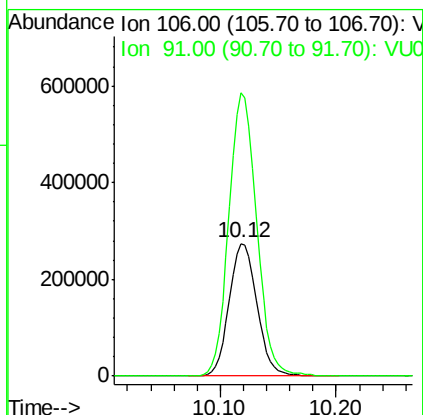
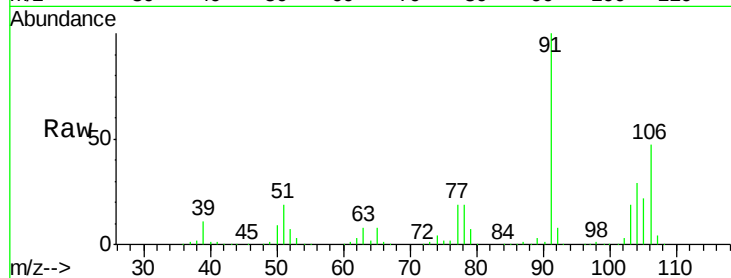
#65
o-Xylene
Concen: 10.016 ug/l
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU038009.D
Acq: 05 May 2020 10:29

Instrument :
MSVOA_U
ClientSampled :
VSTDCCC010

Tot Ion:106 Resp: 456503
Ion Ratio Lower Upper
106 100
91 213.6 105.7 317.0

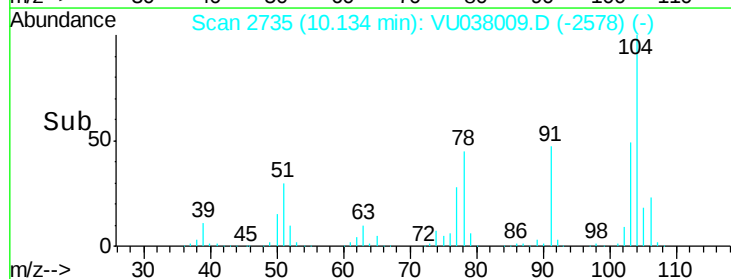
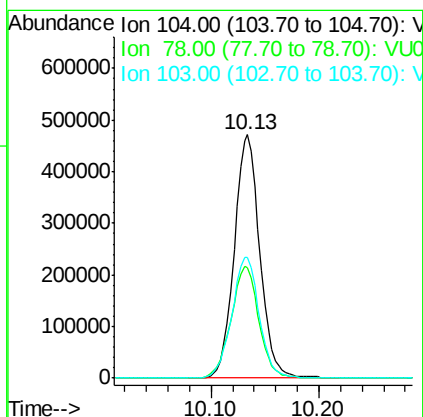
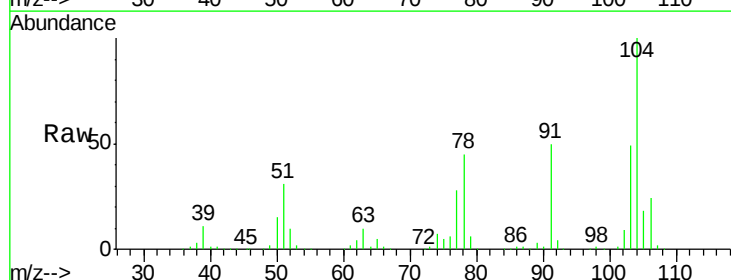
Manual Integrations
APPROVED

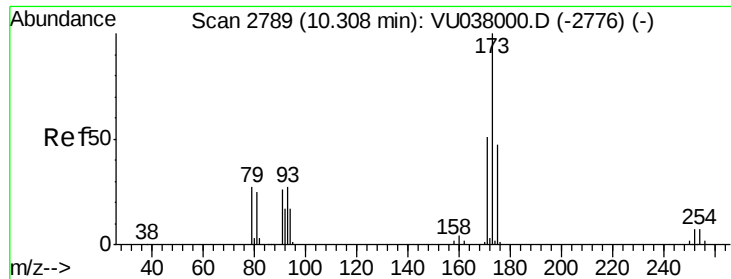
apatel
5/6/2020 10:39:11 AM



#66
Styrene
Concen: 10.375 ug/l
RT: 10.13 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VU038009.D
Acq: 05 May 2020 10:29

Tgt Ion:104 Resp: 779139
Ion Ratio Lower Upper
104 100
78 50.1 39.9 59.9
103 53.5 43.4 65.2





#67

Bromoform

Concen: 10.144 ug/l

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU038009.D

Acq: 05 May 2020 10:29

Instrument :

MSVOA_U

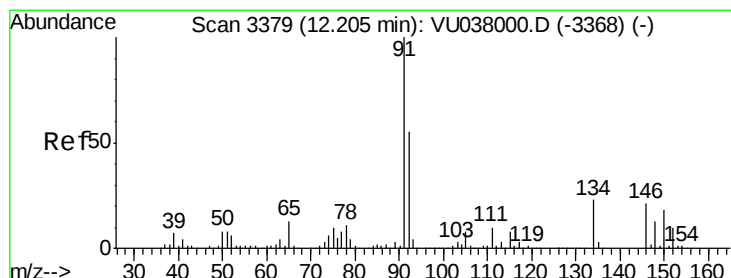
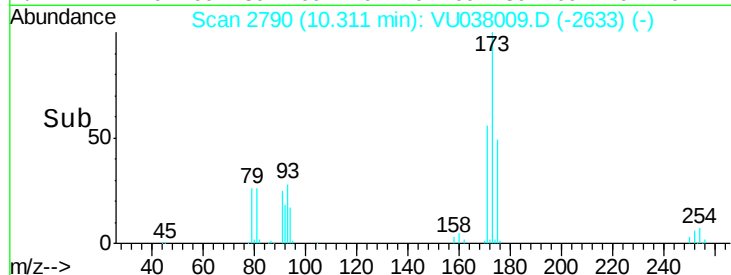
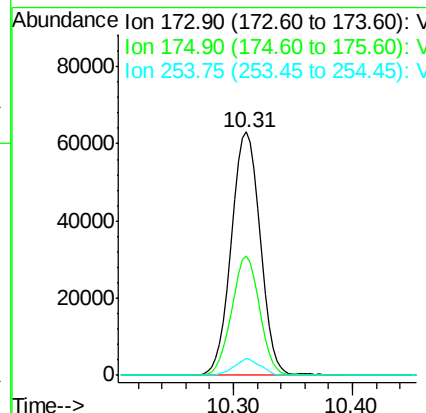
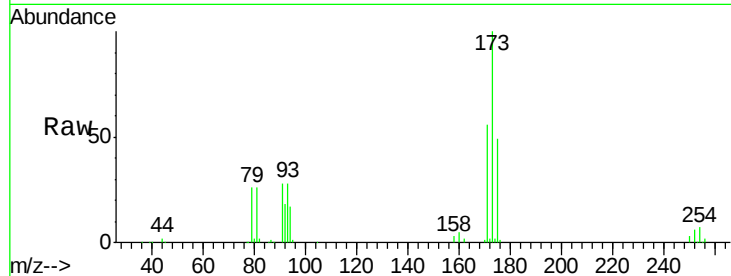
ClientSampleId :

VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
173	100			
175	47.4	37.6	56.4	
254	6.1	5.5	8.3	

Manual Integrations
APPROVED

apatel
5/6/2020 10:39:11 AM



#68

1,2-Dichlorobenzene-d4

Concen: 0.971 ug/l

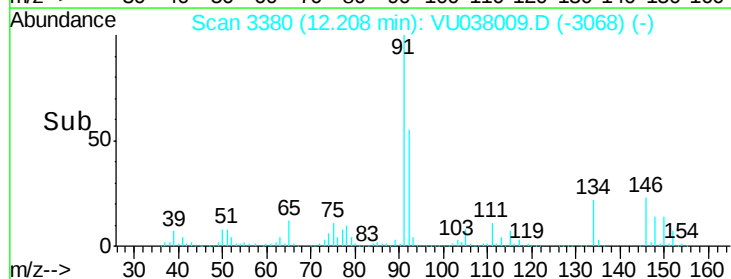
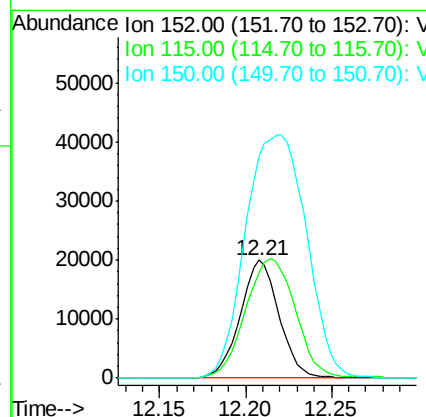
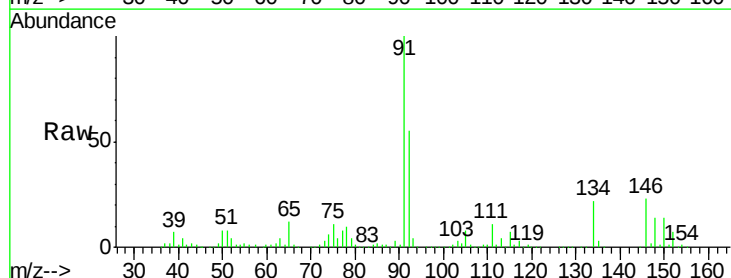
RT: 12.21 min Scan# 3380

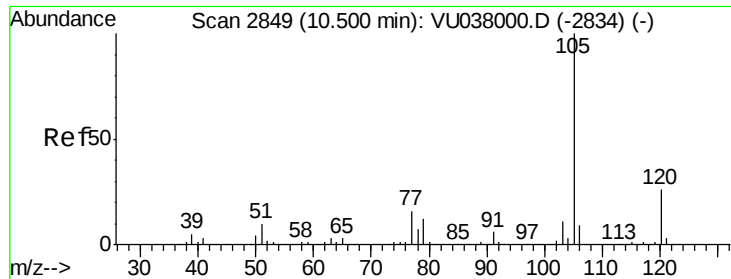
Delta R.T. 0.00 min

Lab File: VU038009.D

Acq: 05 May 2020 10:29

Tgt Ion	Ion	Ratio	Lower	Upper
152	100			
115	129.7	0.0	261.0	
150	322.4	0.0	650.2	





#69

Isopropylbenzene

Concen: 10.128 ug/l

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU038009.D

Acq: 05 May 2020 10:29

Instrument :

MSVOA_U

ClientSampled :

VSTDCCC010

Tot Ion:105 Resp: 1205331

Ion Ratio Lower Upper

105 100

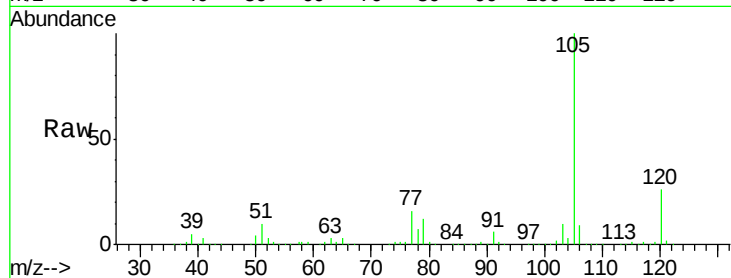
120 25.9 13.1 39.3

Manual Integrations

APPROVED

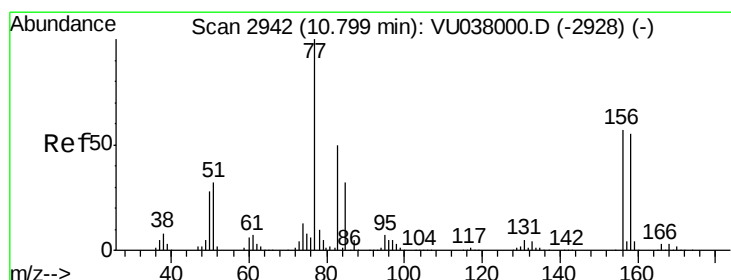
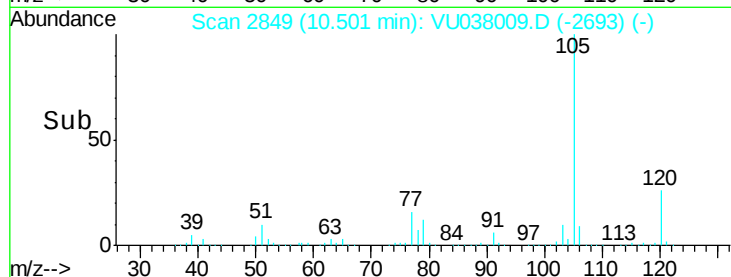
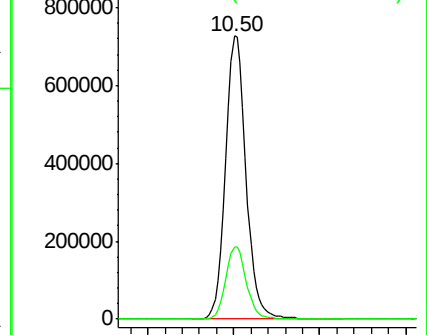
apatel

5/6/2020 10:39:11 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#70

1,1,2,2-Tetrachloroethane

Concen: 10.074 ug/l

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU038009.D

Acq: 05 May 2020 10:29

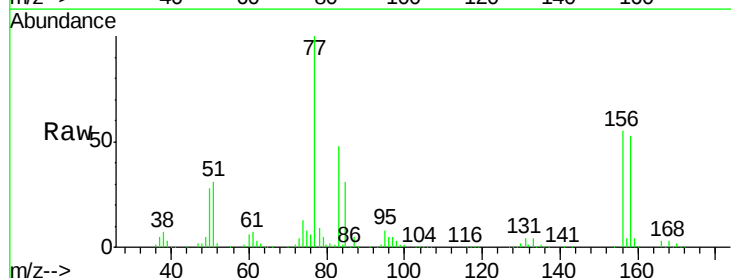
Tgt Ion: 83 Resp: 233096

Ion Ratio Lower Upper

83 100

131 8.8 7.2 10.8

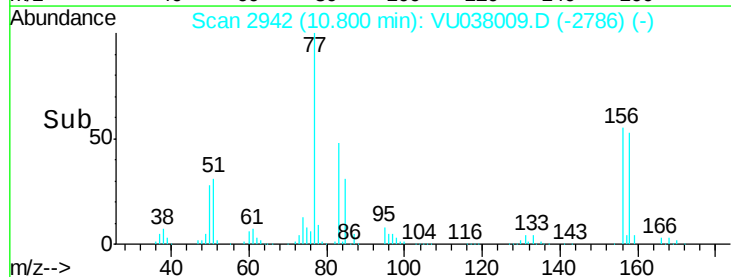
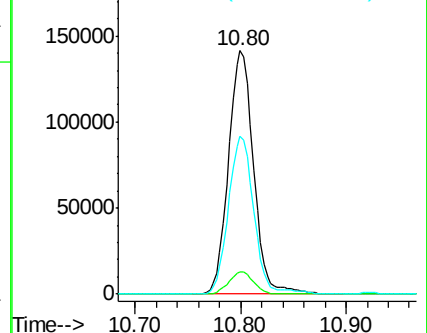
85 65.7 50.0 75.0

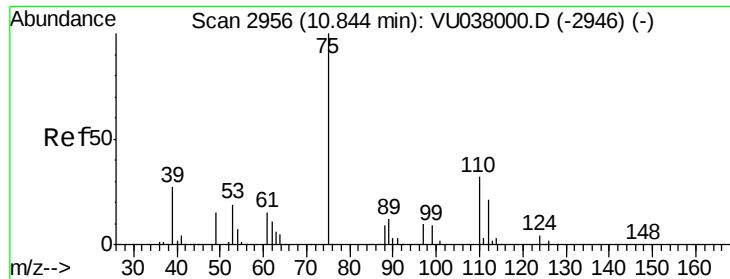


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0





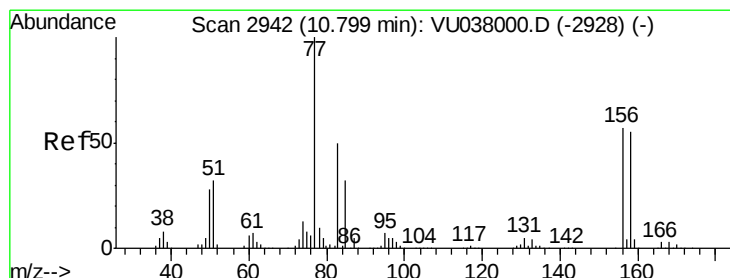
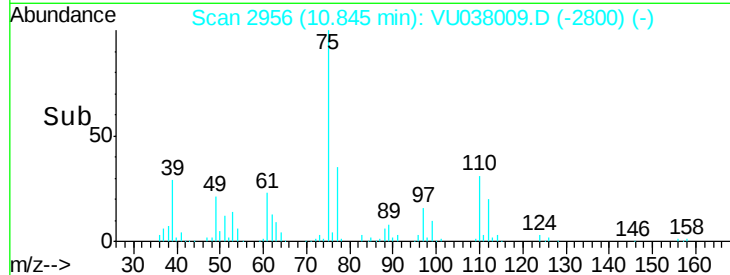
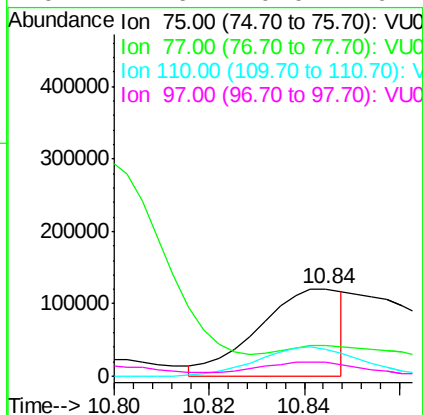
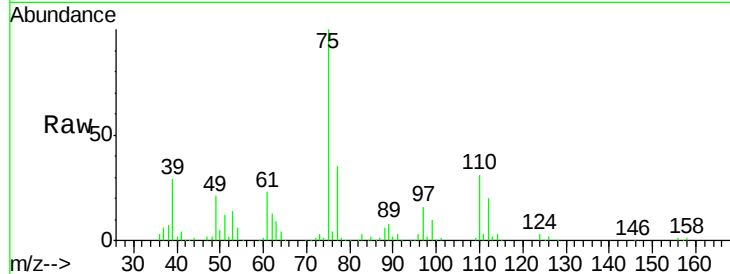
#71
1,2,3-Trichloropropane
Concen: 8.773 ug/l m
RT: 10.84 min Scan# 2956
Delta R.T. 0.00 min
Lab File: VU038009.D
Acq: 05 May 2020 10:29

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion:	75	Resp:	150106
Ion Ratio	Lower	Upper	
75	100		
77	57.6	0.0	108.6
110	42.3	0.0	79.4
97	21.6	0.0	40.4

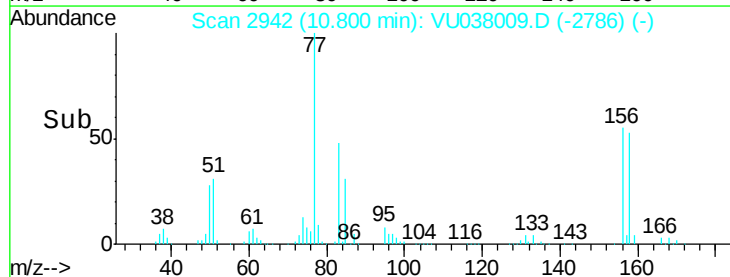
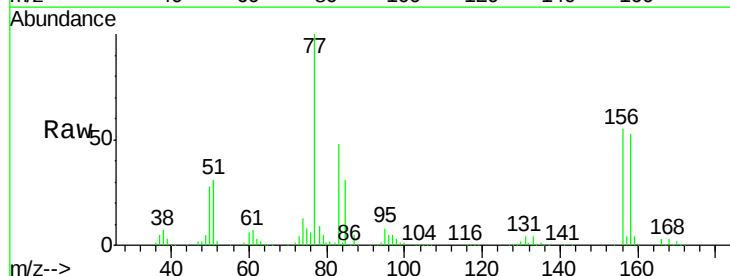
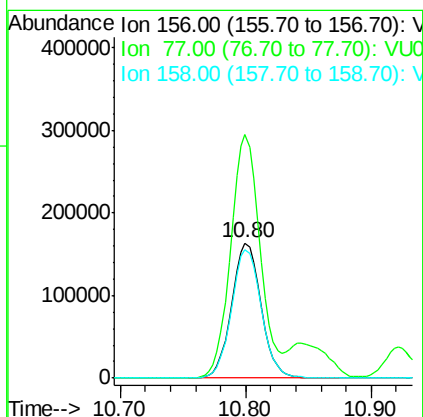
Manual Integrations
APPROVED

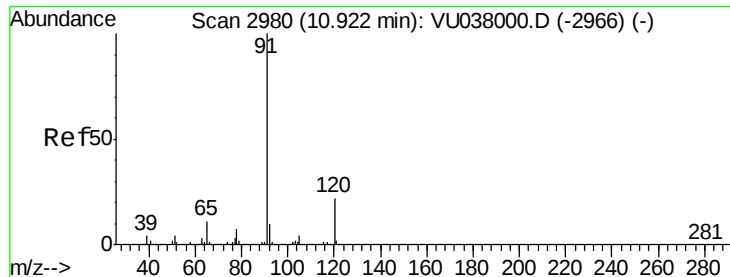
apatel
5/6/2020 10:39:11 AM



#72
Bromobenzene
Concen: 10.027 ug/l
RT: 10.80 min Scan# 2942
Delta R.T. 0.00 min
Lab File: VU038009.D
Acq: 05 May 2020 10:29

Tgt Ion:	156	Resp:	266550
Ion Ratio	Lower	Upper	
156	100		
77	179.9	0.0	355.6
158	96.8	0.0	194.0





#73

n-propylbenzene

Concen: 10.251 ug/l

RT: 10.92 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU038009.D

Acq: 05 May 2020 10:29

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion:120 Resp: 334778

Ion Ratio Lower Upper

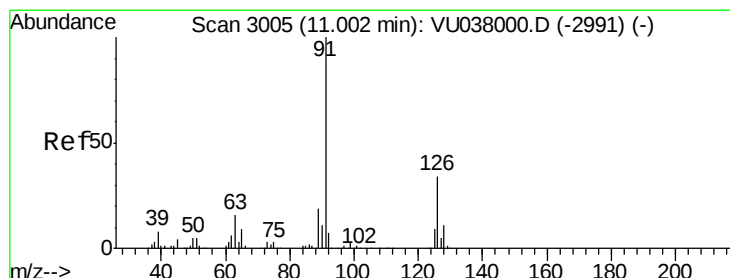
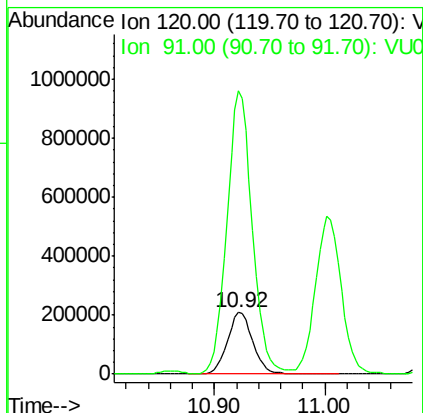
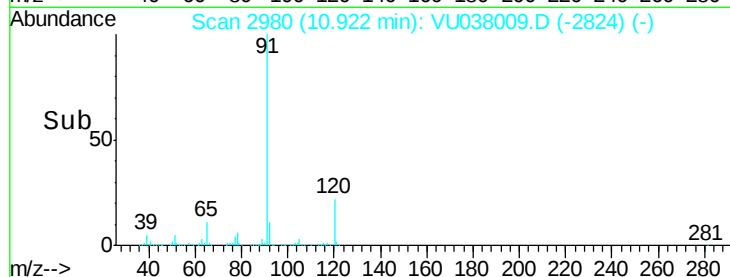
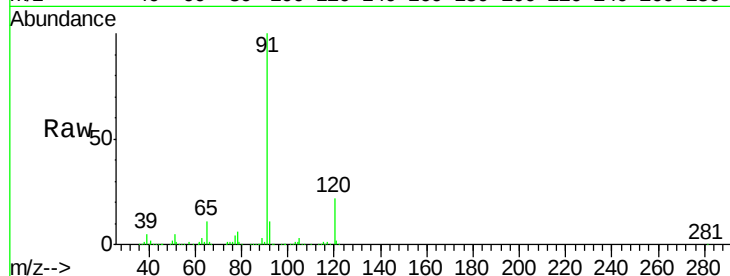
120 100

91 454.3 355.4 533.0

Manual Integrations
APPROVED

apatel

5/6/2020 10:39:11 AM



#74

2-Chlorotoluene

Concen: 10.022 ug/l

RT: 11.00 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VU038009.D

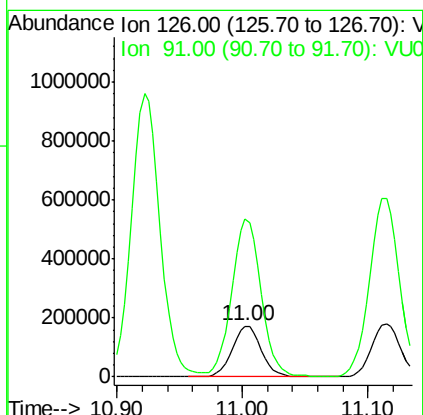
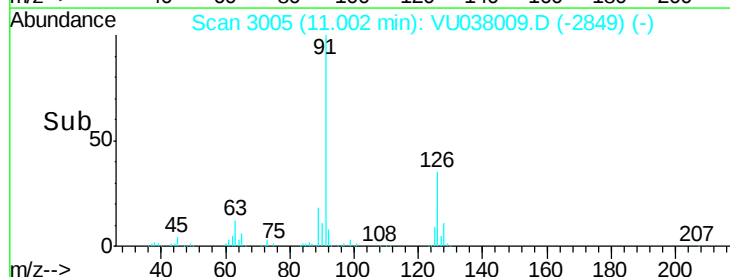
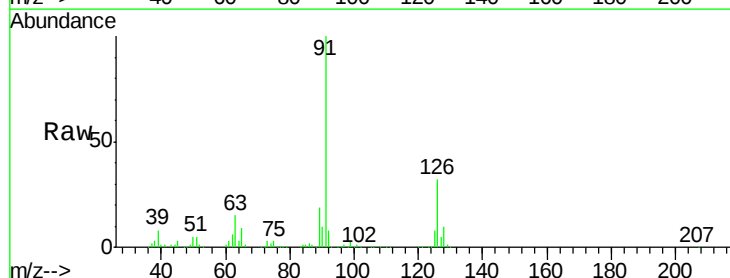
Acq: 05 May 2020 10:29

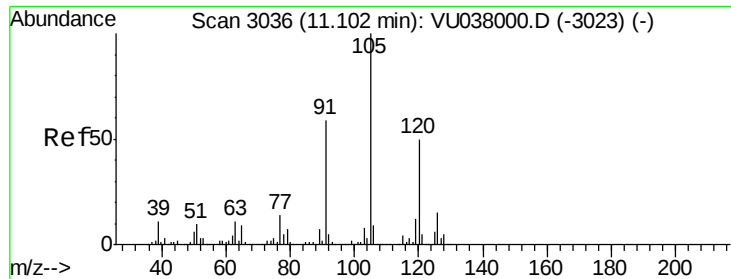
Tgt Ion:126 Resp: 274712

Ion Ratio Lower Upper

126 100

91 315.6 0.0 625.8





#75

1,3,5-Trimethylbenzene

Concen: 10.395 ug/l

RT: 11.10 min Scan# 3037

Delta R.T. 0.00 min

Lab File: VU038009.D

Acq: 05 May 2020 10:29

Instrument :

MSVOA_U

ClientSampled :

VSTDCCC010

Tot Ion:105 Resp: 1023942

Ion Ratio Lower Upper

105 100

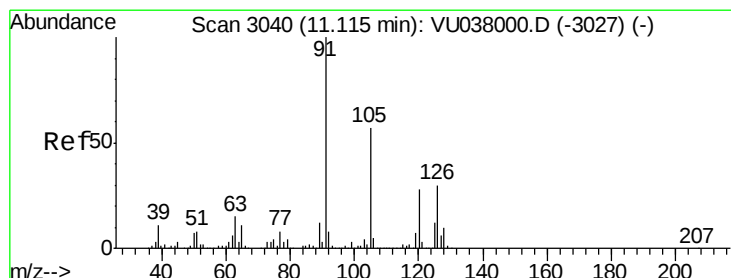
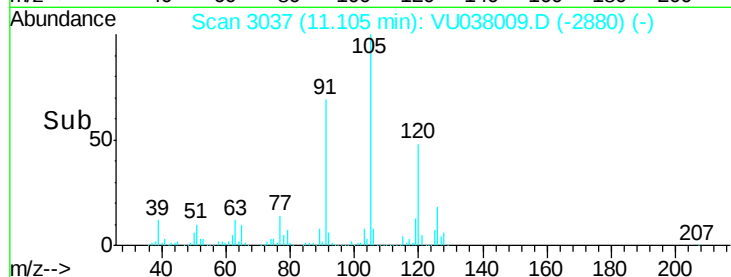
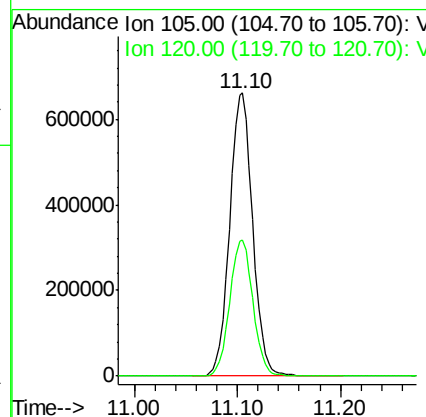
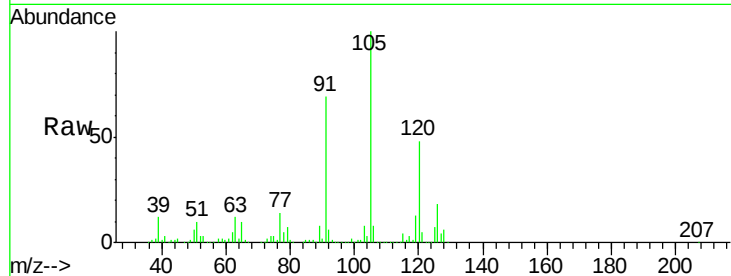
120 48.9 39.8 59.6

Manual Integrations

APPROVED

apatel

5/6/2020 10:39:11 AM



#76

4-Chlorotoluene

Concen: 10.170 ug/l

RT: 11.11 min Scan# 3040

Delta R.T. 0.00 min

Lab File: VU038009.D

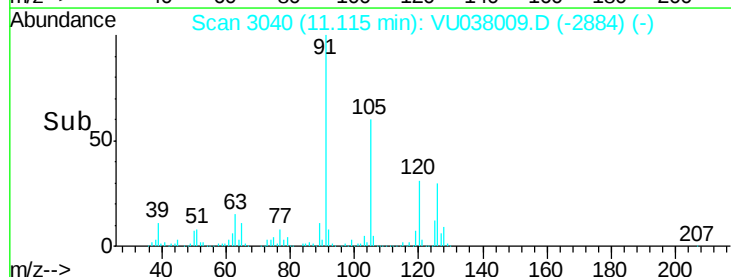
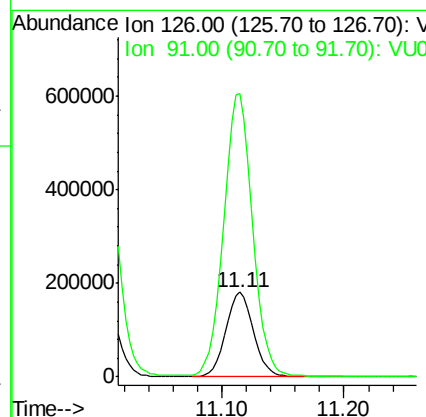
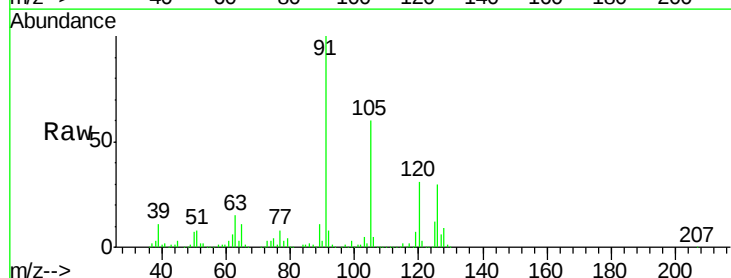
Acq: 05 May 2020 10:29

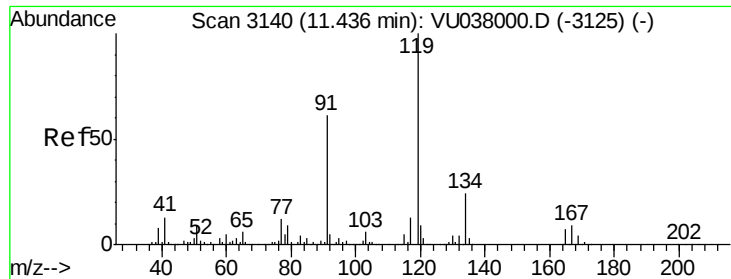
Tgt Ion:126 Resp: 289526

Ion Ratio Lower Upper

126 100

91 349.7 0.0 698.6





#77

tert-Butylbenzene

Concen: 9.997 ug/l

RT: 11.44 min Scan# 3140

Delta R.T. 0.00 min

Lab File: VU038009.D

Acq: 05 May 2020 10:29

Instrument :

MSVOA_U

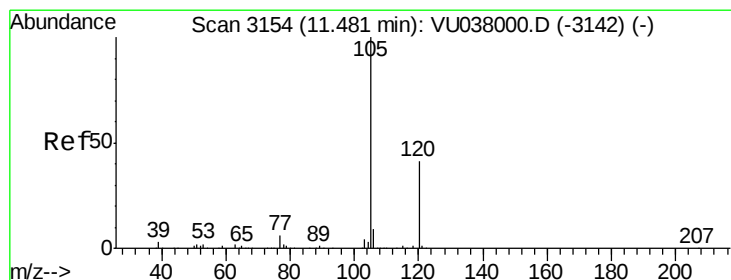
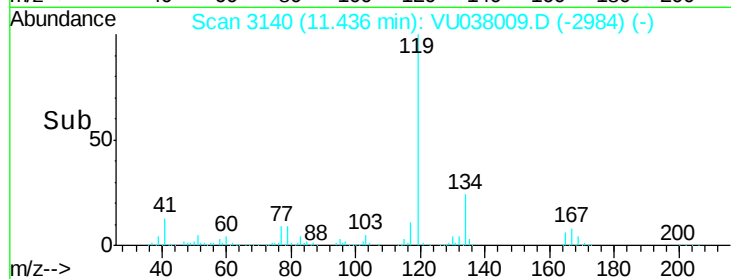
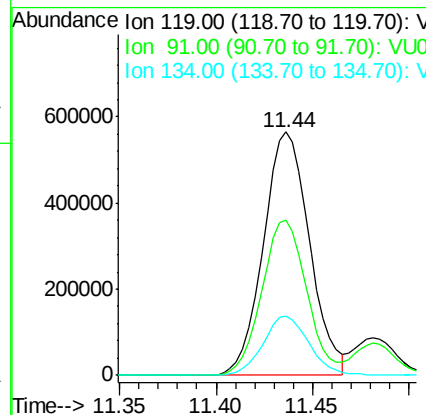
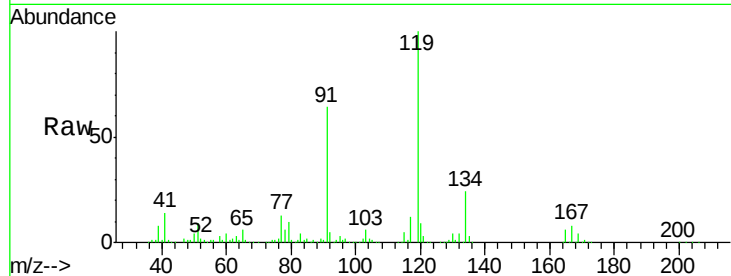
ClientSampleId :

VSTDCCC010

Tot Ion:	119	Resp:	937341
Ion Ratio	Lower	Upper	
119	100		
91	61.5	30.1	90.5
134	24.2	19.0	28.6

Manual Integrations
APPROVED

apatel
5/6/2020 10:39:11 AM



#78

1,2,4-Trimethylbenzene

Concen: 10.242 ug/l

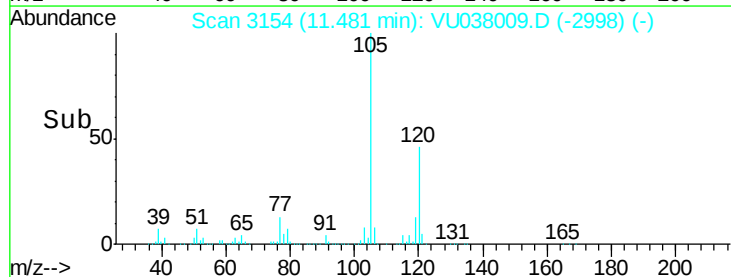
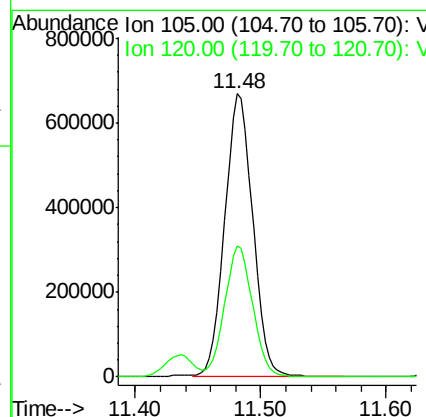
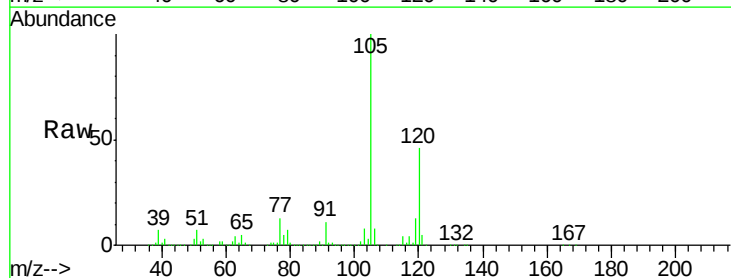
RT: 11.48 min Scan# 3154

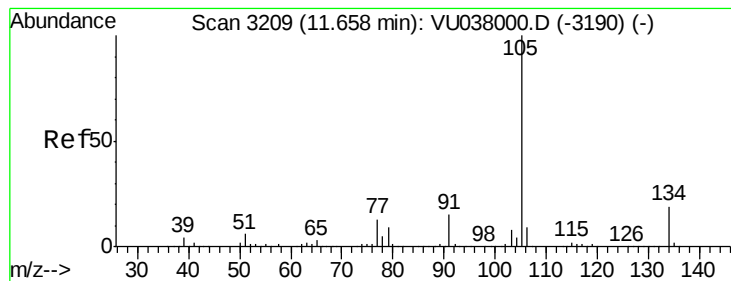
Delta R.T. 0.00 min

Lab File: VU038009.D

Acq: 05 May 2020 10:29

Tgt Ion:	105	Resp:	1038832
Ion Ratio	Lower	Upper	
105	100		
120	46.0	23.4	70.0





#79

sec-Butylbenzene

Concen: 10.240 ug/l

RT: 11.66 min Scan# 3209

Delta R.T. 0.00 min

Lab File: VU038009.D

Acq: 05 May 2020 10:29

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 105 Resp: 1375249

Ion Ratio Lower Upper

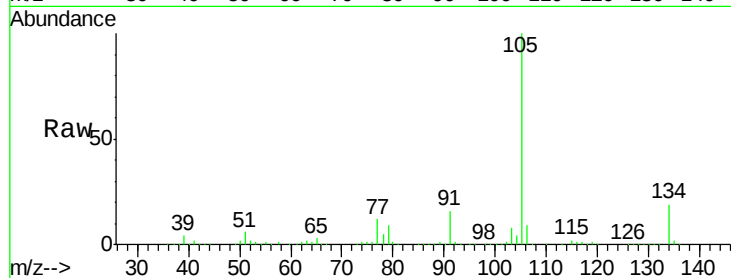
105 100

134 19.0 15.4 23.0

Manual Integrations
APPROVED

apatel

5/6/2020 10:39:11 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

1000000

800000

600000

400000

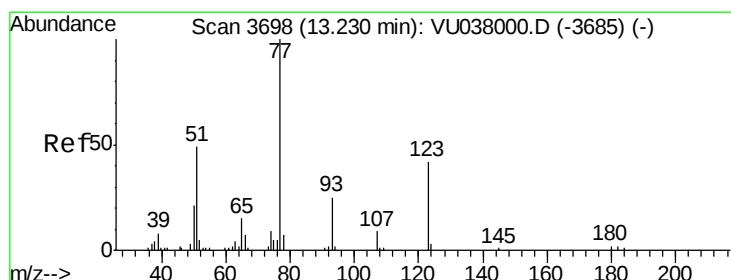
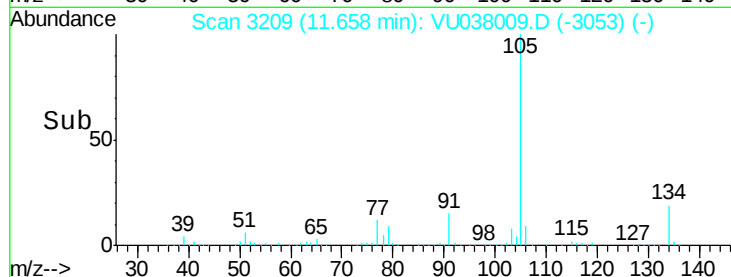
200000

0

Time-->

11.60

11.70



#80

Nitrobenzene

Concen: 46.808 ug/l

RT: 13.23 min Scan# 3698

Delta R.T. 0.00 min

Lab File: VU038009.D

Acq: 05 May 2020 10:29

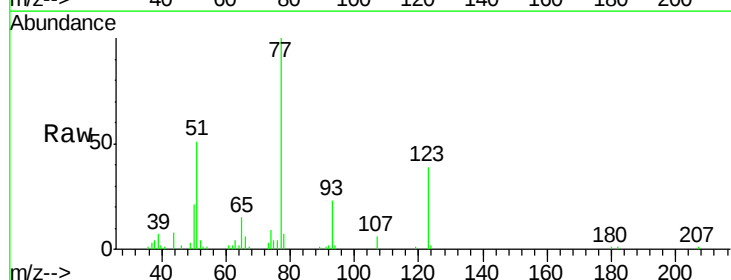
Tgt Ion: 77 Resp: 32108

Ion Ratio Lower Upper

77 100

123 38.3 17.6 62.6

65 14.5 13.2 16.8



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

25000

20000

15000

10000

5000

0

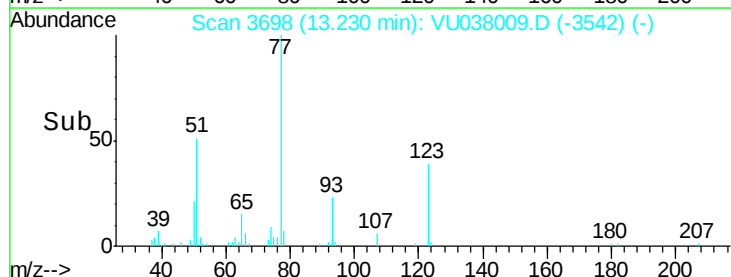
Time-->

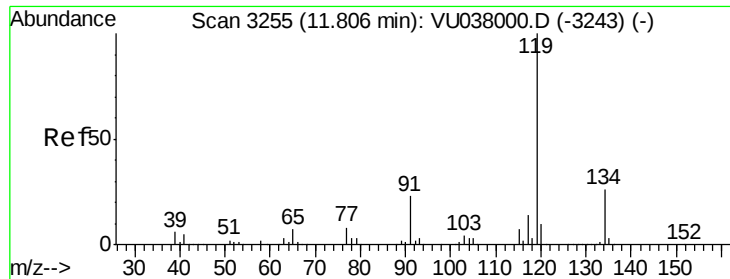
13.15

13.20

13.25

13.30





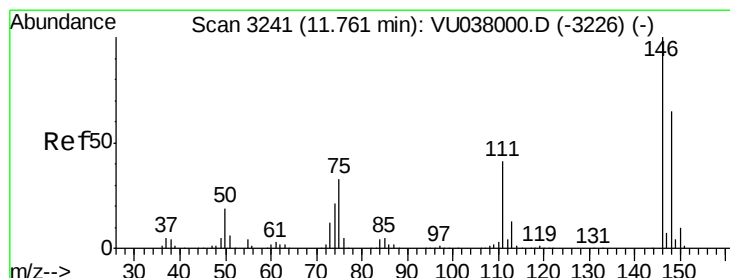
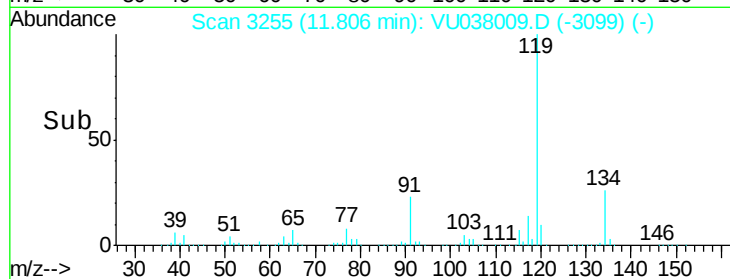
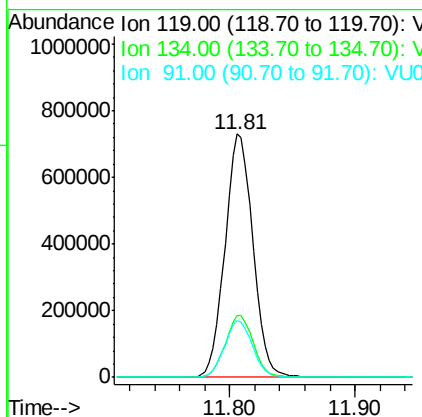
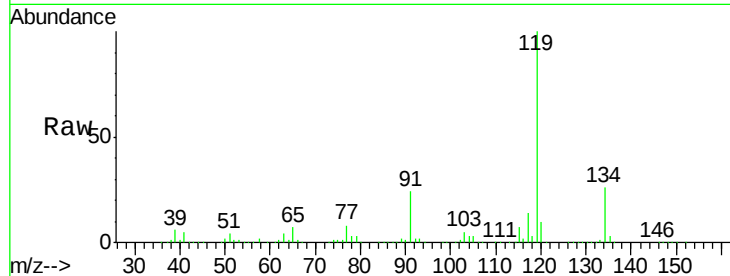
#81
 p-Isopropyltoluene
 Concen: 10.380 ug/l
 RT: 11.81 min Scan# 3255
 Delta R.T. 0.00 min
 Lab File: VU038009.D
 Acq: 05 May 2020 10:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.7	20.6	31.0
91	23.3	18.6	28.0

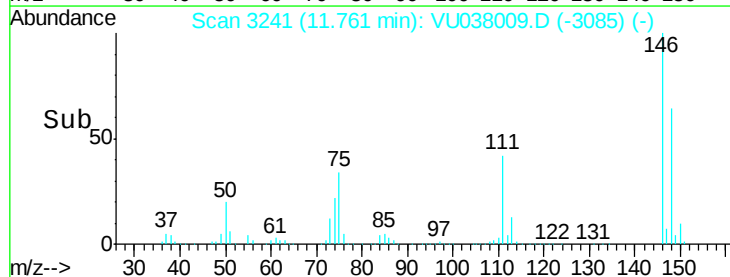
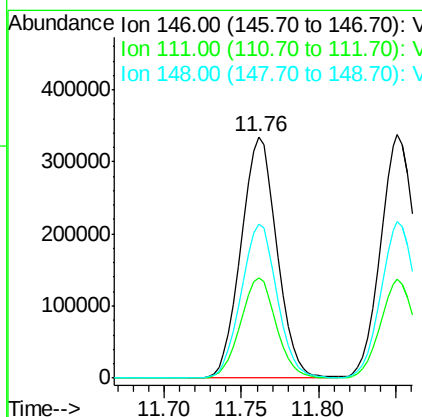
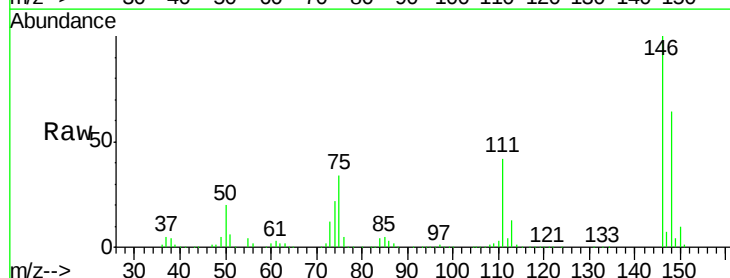
Manual Integrations
 APPROVED

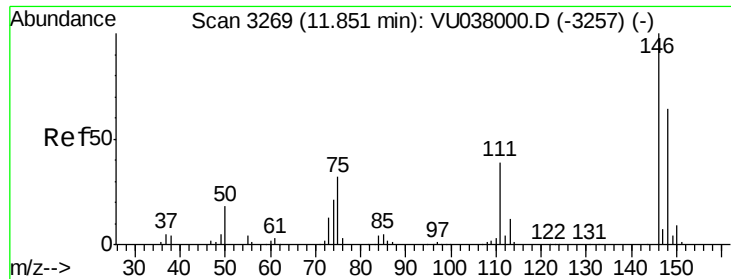
apatel
 5/6/2020 10:39:11 AM



#82
 1,3-Dichlorobenzene
 Concen: 9.831 ug/l
 RT: 11.76 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VU038009.D
 Acq: 05 May 2020 10:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	33.0	49.4
148	63.9	51.4	77.2





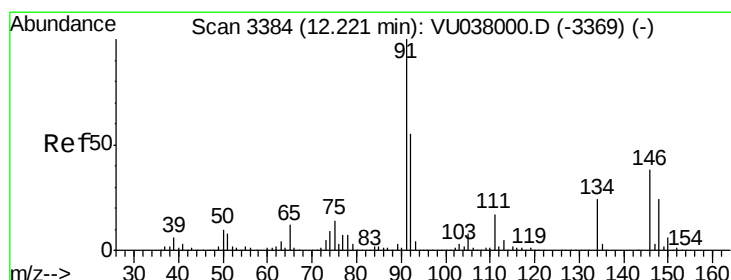
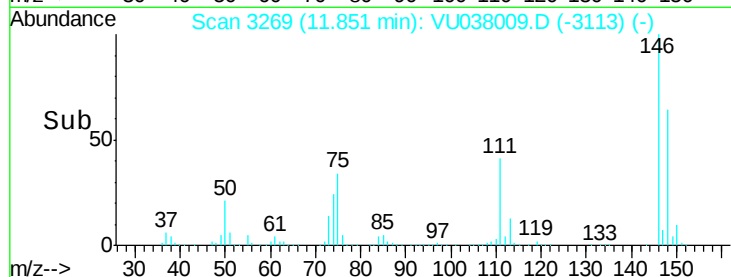
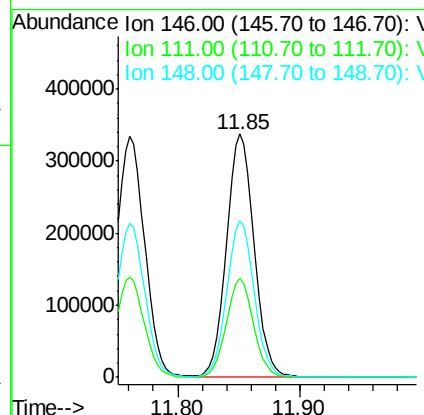
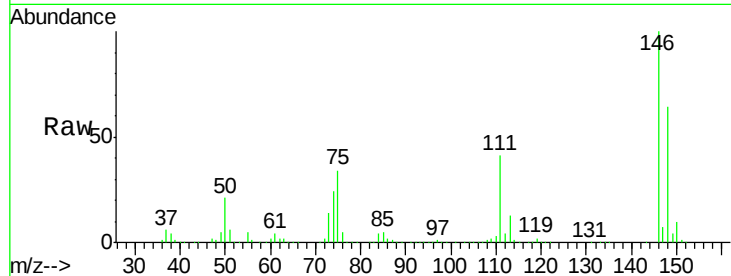
#83
 1,4-Dichlorobenzene
 Concen: 9.678 ug/l
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU038009.D
 Acq: 05 May 2020 10:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	31.8	47.6
148	64.2	51.2	76.8

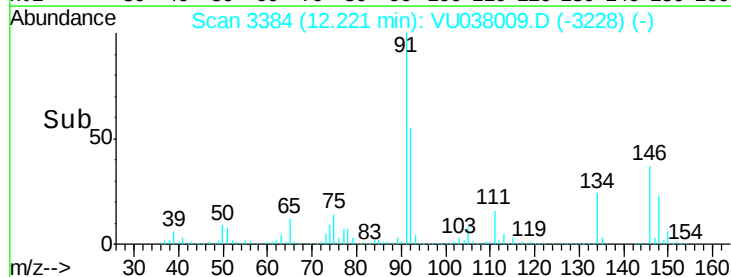
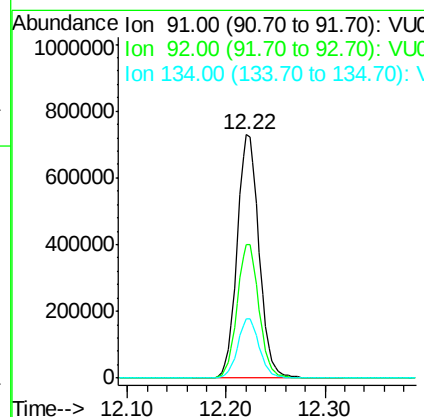
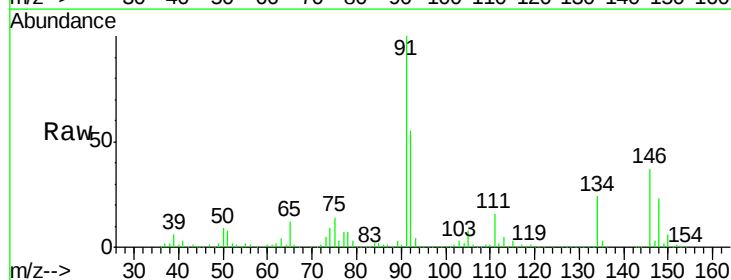
Manual Integrations
 APPROVED

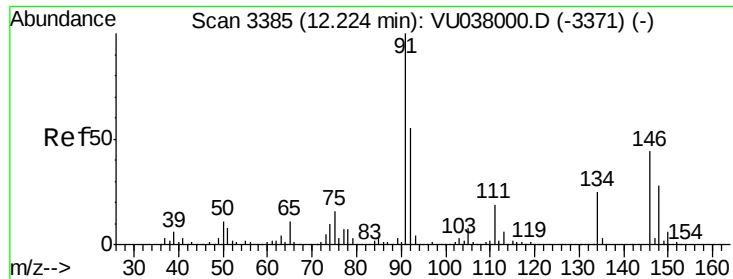
apatel
 5/6/2020 10:39:11 AM



#84
 n-Butylbenzene
 Concen: 10.459 ug/l
 RT: 12.22 min Scan# 3384
 Delta R.T. 0.00 min
 Lab File: VU038009.D
 Acq: 05 May 2020 10:29

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.6	43.8	65.6
134	24.0	19.4	29.2





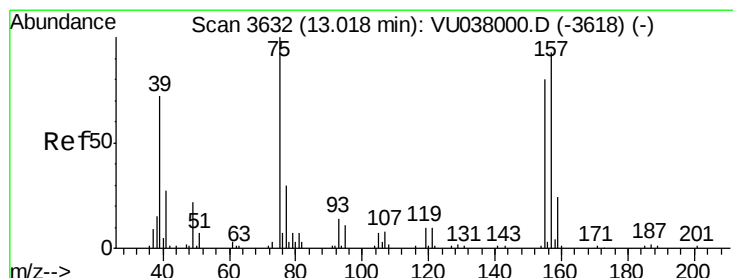
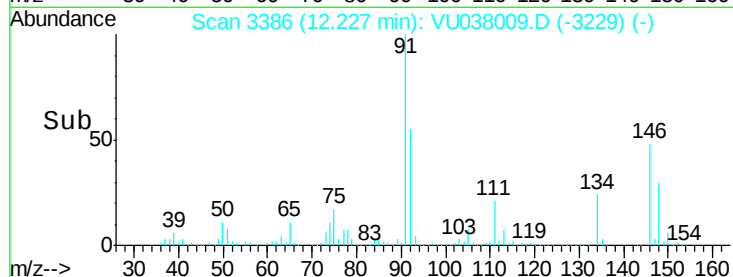
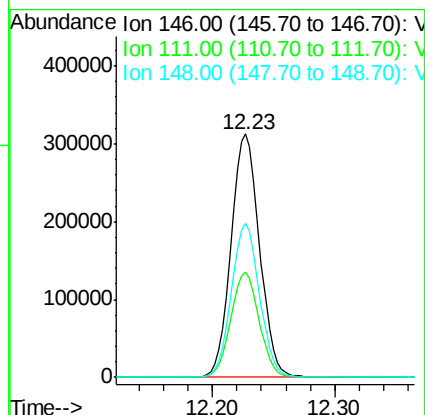
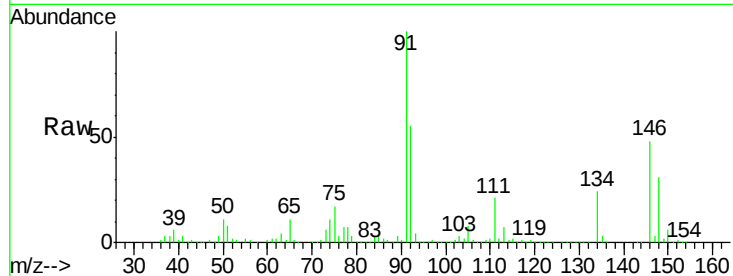
#85
 1,2-Dichlorobenzene
 Concen: 9.925 ug/l
 RT: 12.23 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU038009.D
 Acq: 05 May 2020 10:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.9	65.8
148	62.7	31.8	95.4

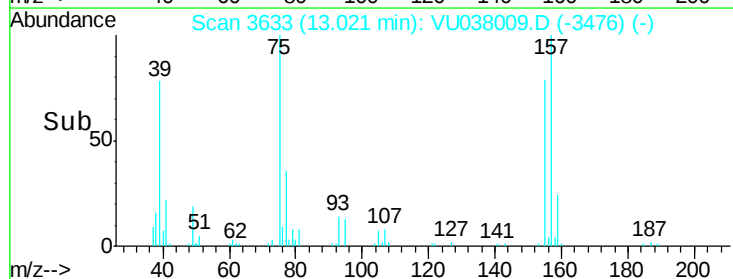
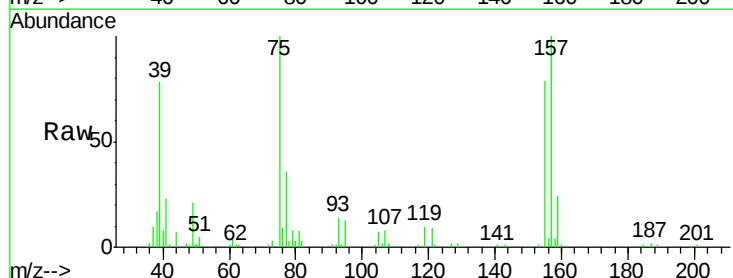
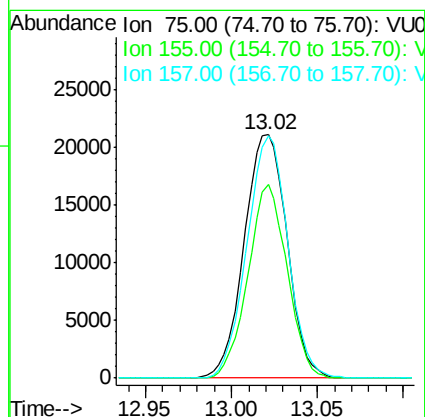
Manual Integrations
 APPROVED

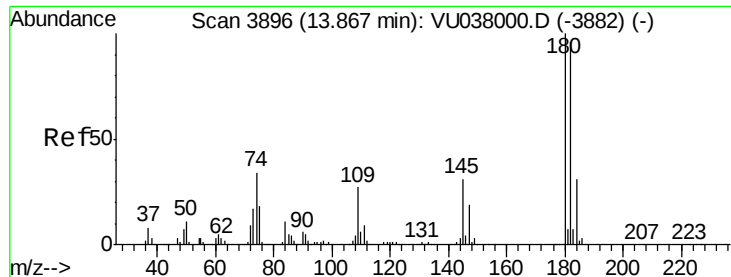
apatel
 5/6/2020 10:39:11 AM



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 9.979 ug/l
 RT: 13.02 min Scan# 3633
 Delta R.T. 0.00 min
 Lab File: VU038009.D
 Acq: 05 May 2020 10:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.8	60.9	91.3
157	95.2	78.1	117.1





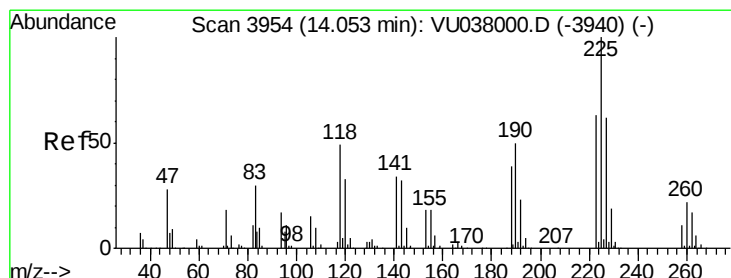
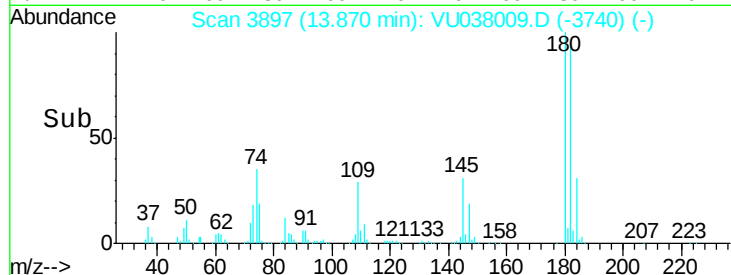
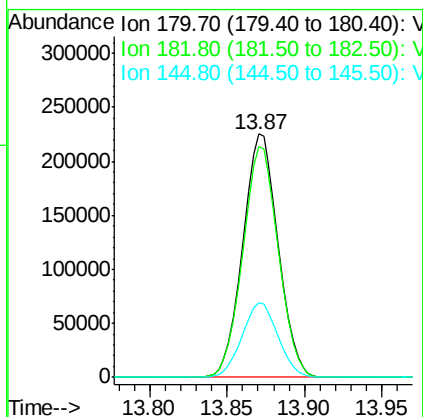
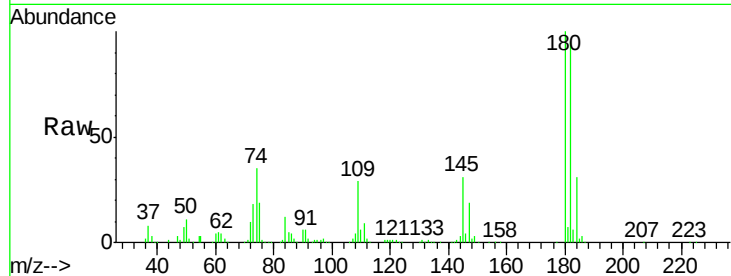
#87
 1,2,4-Trichlorobenzene
 Concen: 9.558 ug/l
 RT: 13.87 min Scan# 3897
 Delta R.T. 0.00 min
 Lab File: VU038009.D
 Acq: 05 May 2020 10:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.2	76.9	115.3	
145	31.1	24.7	37.1	

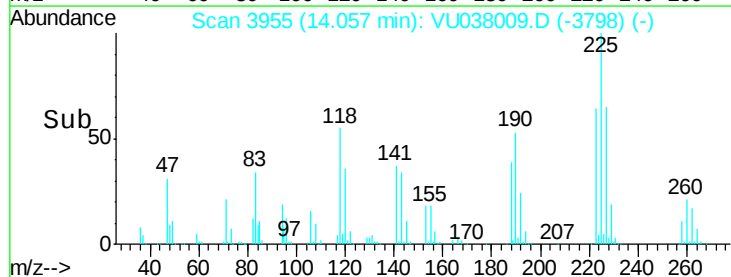
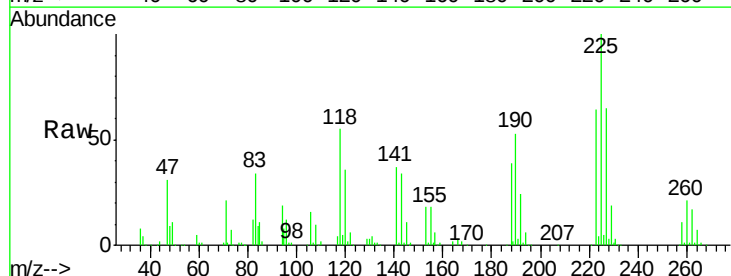
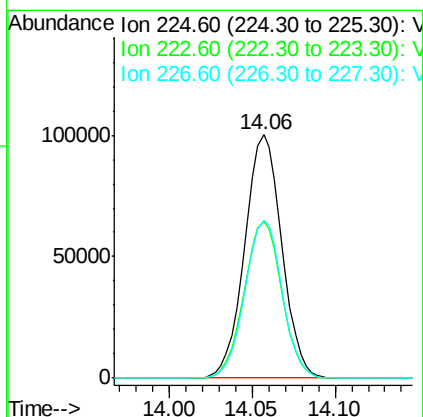
Manual Integrations
 APPROVED

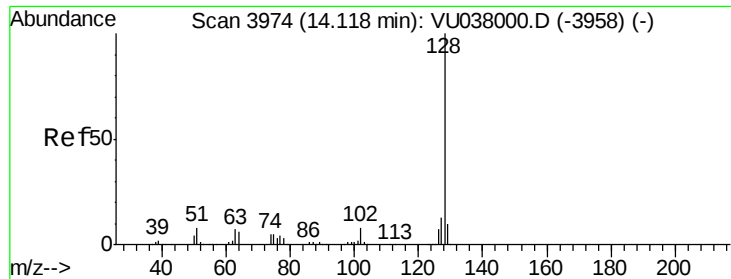
apatel
 5/6/2020 10:39:11 AM



#88
 Hexachlorobutadiene
 Concen: 9.285 ug/l
 RT: 14.06 min Scan# 3955
 Delta R.T. 0.00 min
 Lab File: VU038009.D
 Acq: 05 May 2020 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	65.3	51.3	76.9	
227	65.1	49.2	73.8	





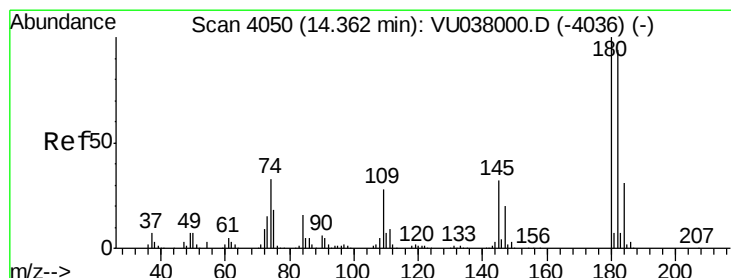
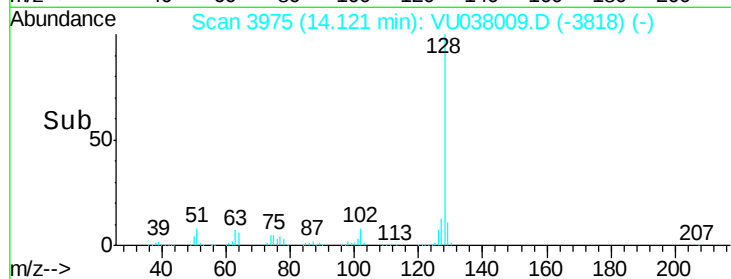
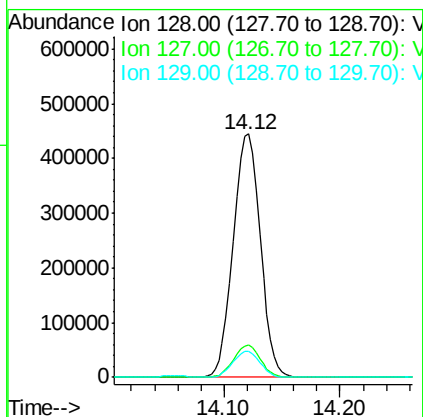
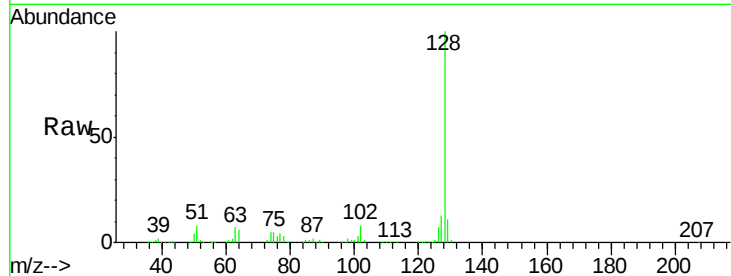
#89
Naphthalene
Concen: 9.975 ug/l
RT: 14.12 min Scan# 3975
Delta R.T. 0.00 min
Lab File: VU038009.D
Acq: 05 May 2020 10:29

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.7	8.6	12.8

Manual Integrations
APPROVED

apatel
5/6/2020 10:39:11 AM



#90
1,2,3-Trichlorobenzene
Concen: 9.791 ug/l
RT: 14.37 min Scan# 4051
Delta R.T. 0.00 min
Lab File: VU038009.D
Acq: 05 May 2020 10:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	75.9	113.9
145	32.7	26.0	39.0

