

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U050420\
 Data File : VU038007.D
 Acq On : 04 May 2020 18:11
 Operator : JC/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

apatel
 5/5/2020 11:16:09 AM

Quant Time: May 05 03:10:01 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	88008	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.65	95	33463	0.98	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.00%	
68) 1,2-Dichlorobenzene-d4	12.21	152	32980	1.00	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.39	85	298501	9.993	ug/l	99
3) Chloromethane	1.54	50	329182	9.307	ug/l	100
4) Vinyl Chloride	1.62	62	353361	10.030	ug/l	99
5) Bromomethane	1.87	94	168713	7.982	ug/l	99
6) Chloroethane	1.95	64	206655	9.819	ug/l	99
7) Trichlorofluoromethane	2.16	101	375394	10.222	ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.60	101	231387	10.107	ug/l	99
9) 1,1-Dichloroethene	2.60	96	228345	9.933	ug/l	99
10) Iodomethane	2.75	142	186939	8.629	ug/l	99
11) Allyl Chloride	2.95	41	423095	9.922	ug/l	99
12) Acrylonitrile	3.35	53	120617	19.195	ug/l	97
13) Acetone	2.66	43	212967	42.371	ug/l	97
14) Carbon Disulfide	2.82	76	817710	9.742	ug/l	100
15) Methylene Chloride	3.07	84	265603	9.895	ug/l	98
16) trans-1,2-Dichloroethene	3.38	96	252673	10.046	ug/l	99
17) 1,1-Dichloroethane	3.91	63	477463	10.008	ug/l	99
18) 2-Butanone	4.76	43	363302	48.207	ug/l	98
19) Cyclohexane	5.42	56	456103m	9.859	ug/l	
20) Methylcyclohexane	6.79	83	466163	10.280	ug/l	100
21) 2,2-Dichloropropane	4.70	77	363533	9.118	ug/l	100
22) cis-1,2-Dichloroethene	4.71	96	266217	10.012	ug/l	99
23) Diethyl Ether	2.40	59	200891	9.965	ug/l	98
24) tert-Butyl Alcohol	3.23	59	201405	90.026	ug/l	99
25) Methyl tert-Butyl Ether	3.40	73	621221	9.864	ug/l	99
26) Bromochloromethane	5.01	128	105034	9.815	ug/l	99
27) Chloroform	5.13	83	444630	9.938	ug/l	97
28) 1,1,1-Trichloroethane	5.35	97	376451	10.210	ug/l	99
29) 1,1-Dichloropropene	5.56	75	369164	9.949	ug/l	99
30) Carbon Tetrachloride	5.56	117	316984	10.275	ug/l	99
31) Isopropyl Ether	4.04	45	794157	10.115	ug/l	100
32) Ethyl-t-butyl ether	4.55	59	691734	9.758	ug/l	100
33) Tert-Amyl methyl ether	5.98	73	592854	9.703	ug/l	99
34) Propionitrile	4.82	54	104283	48.331	ug/l	98
35) Benzene	5.81	78	1042801	10.042	ug/l	98
36) 1,2-Dichloroethane	5.83	62	302778	9.856	ug/l	99
37) Trichloroethene	6.57	130	270110	9.908	ug/l	100
38) 1,2-Dichloropropane	6.82	63	279401	10.000	ug/l	98
39) Methacrylonitrile	5.02	41	96706	9.568	ug/l	97
40) Methyl acrylate	4.89	55	147960	9.935	ug/l	99
41) Tetrahydrofuran	5.11	42	93410	18.529	ug/l	97
42) 1-Chlorobutane	5.49	56	541222	10.123	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U050420\
 Data File : VU038007.D
 Acq On : 04 May 2020 18:11
 Operator : JC/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC010EC

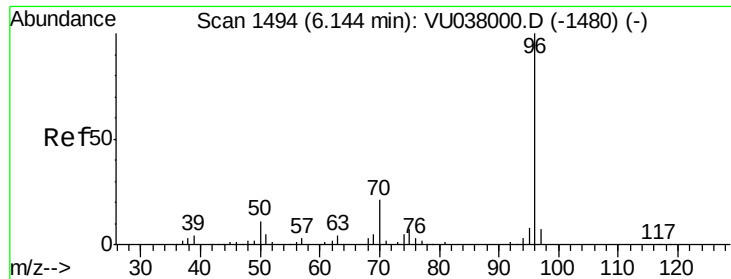
Manual Integrations
 APPROVED

apatel
 5/5/2020 11:16:09 AM

Quant Time: May 05 03:10:01 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	127635	9.806	ug/l	99
44) Bromodichloromethane	7.13	83	333334	10.196	ug/l	99
45) 4-Methyl-2-Pentanone	7.82	43	870564	49.074	ug/l	100
46) t-1,4-Dichloro-2-butene	10.85	75	87009m	15.862	ug/l	
47) Methyl methacrylate	6.99	69	268823	20.309	ug/l	99
48) Ethyl methacrylate	8.36	69	248720	10.149	ug/l	100
49) Toluene	7.99	92	667949	10.174	ug/l	99
50) t-1,3-Dichloropropene	8.23	75	328712	9.841	ug/l	99
51) cis-1,3-Dichloropropene	7.63	75	399644	9.963	ug/l	99
52) 1,1,2-Trichloroethane	8.43	97	182854	9.920	ug/l	97
53) 1,3-Dichloropropane	8.60	76	347059	10.030	ug/l	100
54) 2-Hexanone	8.71	43	600786	47.980	ug/l	100
55) Dibromochloromethane	8.83	129	208014	10.185	ug/l	100
56) 1,2-Dibromoethane	8.95	107	168579	9.696	ug/l	97
58) Tetrachloroethene	8.57	164	260524	10.238	ug/l	99
59) Chlorobenzene	9.47	112	706447	10.135	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.56	131	216424	10.227	ug/l	99
61) Pentachloroethane	11.44	117	159966	10.091	ug/l	99
62) Hexachloroethane	12.49	117	156031	9.457	ug/l	100
63) Ethyl Benzene	9.59	91	1268438	10.228	ug/l	100
64) m/p-Xylenes	9.71	106	983133	20.597	ug/l	99
65) o-Xylene	10.12	106	472430	10.154	ug/l	99
66) Styrene	10.13	104	800917	10.447	ug/l	100
67) Bromoform	10.31	173	108175	10.070	ug/l	98
69) Isopropylbenzene	10.50	105	1244351	10.243	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.80	83	235318	9.963	ug/l	97
71) 1,2,3-Trichloropropane	10.84	75	179961m	10.303	ug/l	
72) Bromobenzene	10.80	156	274253	10.106	ug/l	99
73) n-propylbenzene	10.92	120	346720	10.400	ug/l	100
74) 2-Chlorotoluene	11.00	126	284874	10.180	ug/l	99
75) 1,3,5-Trimethylbenzene	11.10	105	1036361	10.306	ug/l	100
76) 4-Chlorotoluene	11.11	126	301132	10.362	ug/l	97
77) tert-Butylbenzene	11.44	119	984028	10.281	ug/l	99
78) 1,2,4-Trimethylbenzene	11.48	105	1070122	10.336	ug/l	100
79) sec-Butylbenzene	11.66	105	1395804	10.181	ug/l	100
80) Nitrobenzene	13.23	77	28683	40.961	ug/l	98
81) p-Isopropyltoluene	11.81	119	1149297	10.387	ug/l	100
82) 1,3-Dichlorobenzene	11.76	146	562865	10.018	ug/l	99
83) 1,4-Dichlorobenzene	11.85	146	565195	9.936	ug/l	99
84) n-Butylbenzene	12.22	91	1137644	10.298	ug/l	99
85) 1,2-Dichlorobenzene	12.23	146	522625	9.993	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	13.02	75	33913	9.119	ug/l	98
87) 1,2,4-Trichlorobenzene	13.87	180	372955	9.753	ug/l	100
88) Hexachlorobutadiene	14.05	225	170011	9.944	ug/l	99
89) Naphthalene	14.11	128	730126	9.929	ug/l	100
90) 1,2,3-Trichlorobenzene	14.36	180	338752	9.943	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: VU038007.D

Acq: 04 May 2020 18:11

Instrument :

MSVOA_U

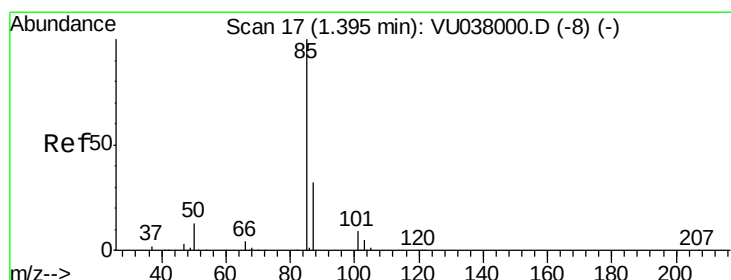
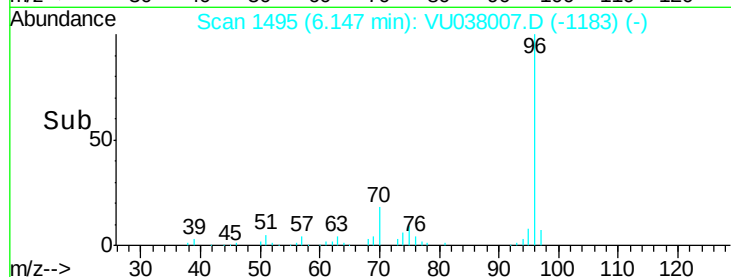
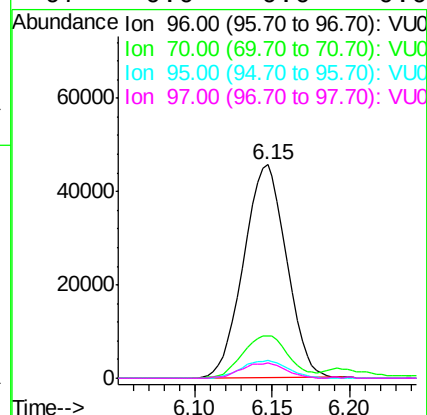
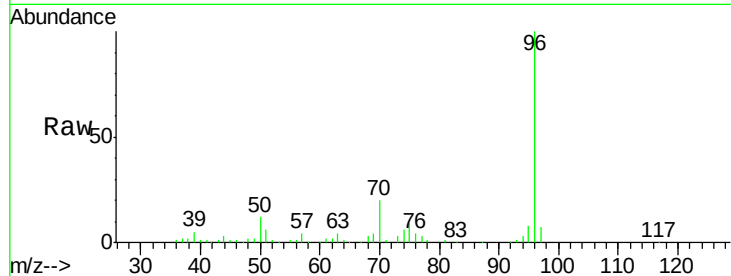
ClientSampleId :

VSTDCCC010EC

Tot Ion	96	Resp	88008
Ion	Ratio	Lower	Upper
96	100		
70	18.3	14.4	21.6
95	8.9	7.1	10.7
97	0.0	0.0	0.0

Manual Integrations
APPROVED

apatel
5/5/2020 11:16:09 AM



#2

Dichlorodifluoromethane

Concen: 9.993 ug/l

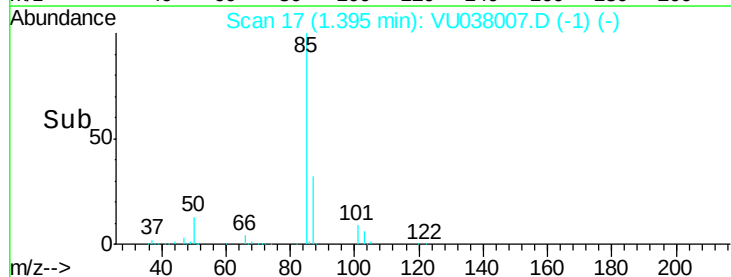
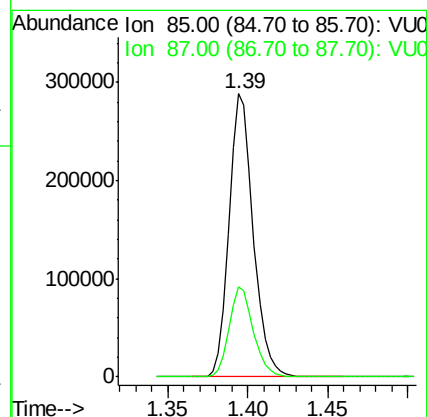
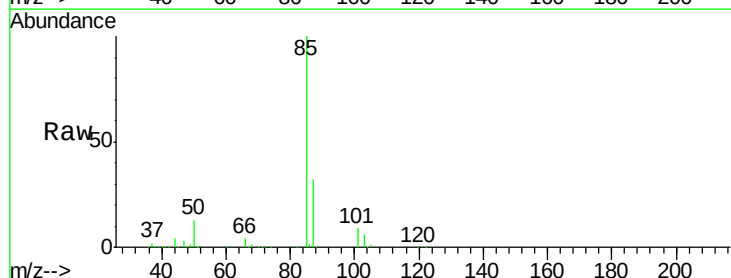
RT: 1.39 min Scan# 17

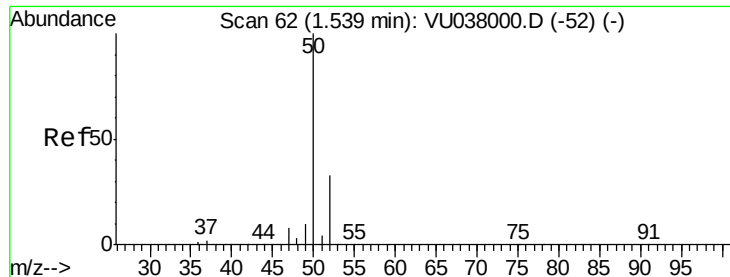
Delta R.T. 0.00 min

Lab File: VU038007.D

Acq: 04 May 2020 18:11

Tgt Ion	85	Resp	298501
Ion	Ratio	Lower	Upper
85	100		
87	31.7	16.2	48.5





#3

Chloromethane

Concen: 9.307 ug/l

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU038007.D

Acq: 04 May 2020 18:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 50 Resp: 329182

Ion Ratio Lower Upper

50 100

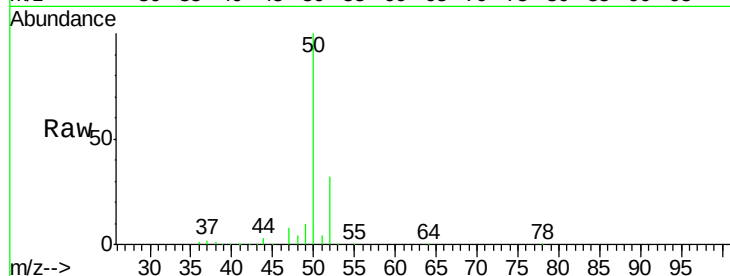
52 32.4 26.1 39.1

Manual Integrations

APPROVED

apatel

5/5/2020 11:16:09 AM



Abundance Ion 50.00 (49.70 to 50.70): VU038007.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU038007.D (-1) (-)

1.54

300000

250000

200000

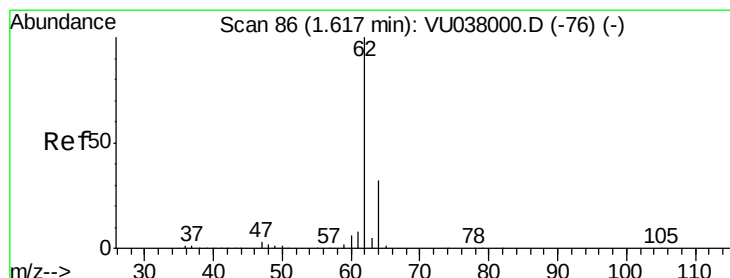
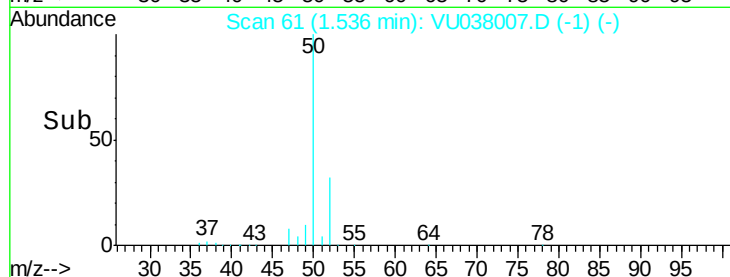
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 10.030 ug/l

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038007.D

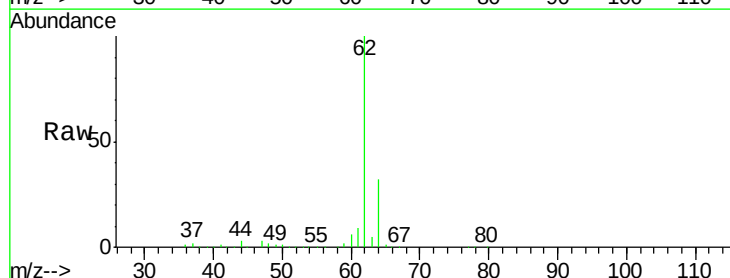
Acq: 04 May 2020 18:11

Tgt Ion: 62 Resp: 353361

Ion Ratio Lower Upper

62 100

64 31.7 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VU038007.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU038007.D (-1) (-)

1.62

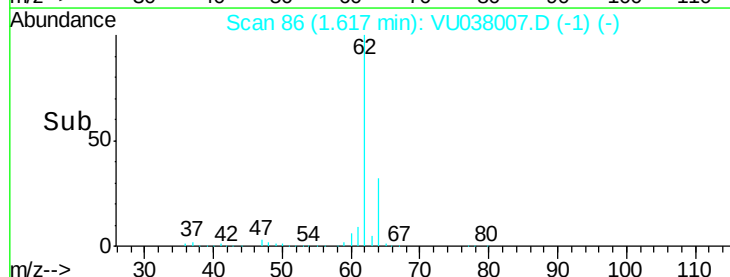
300000

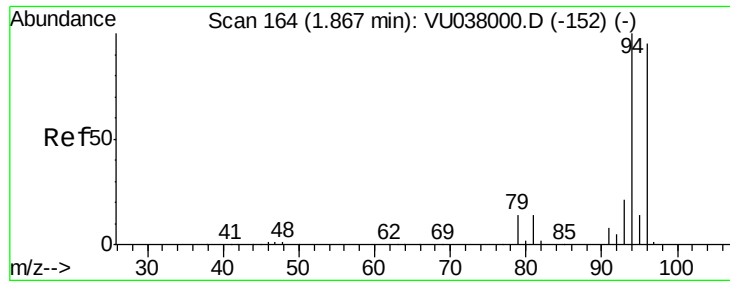
200000

100000

0

Time-->





#5

Bromomethane

Concen: 7.982 ug/l

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU038007.D

Acq: 04 May 2020 18:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 94 Resp: 168713

Ion Ratio Lower Upper

94 100

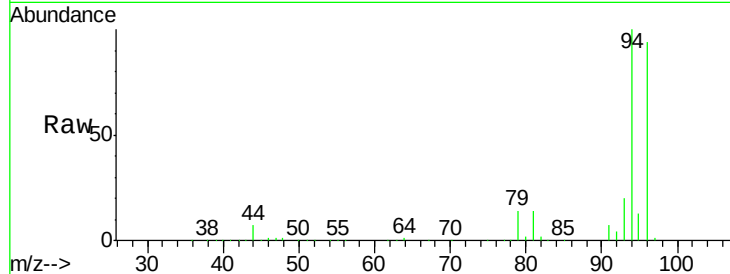
96 93.9 76.1 114.1

Manual Integrations

APPROVED

apatel

5/5/2020 11:16:09 AM



Abundance Ion 94.00 (93.70 to 94.70): VU038007.D (-152) (-)

Ion 96.00 (95.70 to 96.70): VU038007.D (-152) (-)

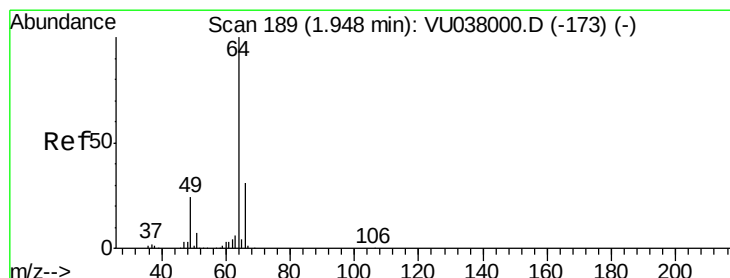
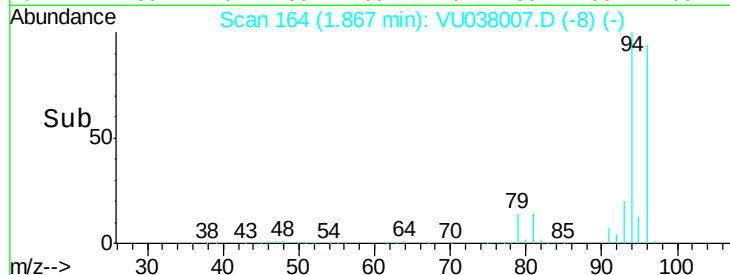
1.87

100000

50000

0

Time-->



#6

Chloroethane

Concen: 9.819 ug/l

RT: 1.95 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU038007.D

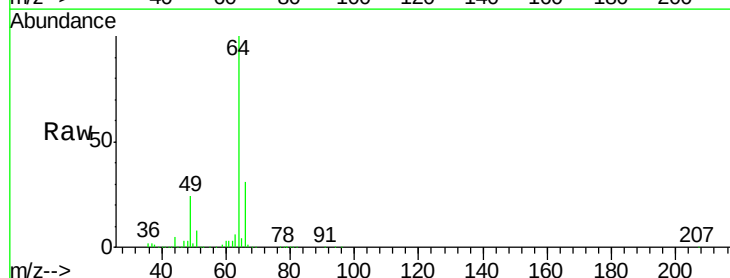
Acq: 04 May 2020 18:11

Tgt Ion: 64 Resp: 206655

Ion Ratio Lower Upper

64 100

66 31.4 24.8 37.2



Abundance Ion 64.00 (63.70 to 64.70): VU038007.D (-173) (-)

Ion 66.00 (65.70 to 66.70): VU038007.D (-173) (-)

1.95

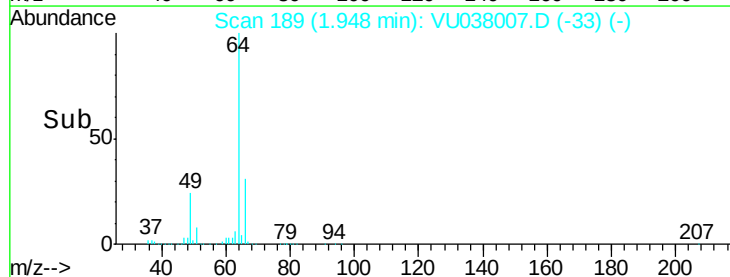
150000

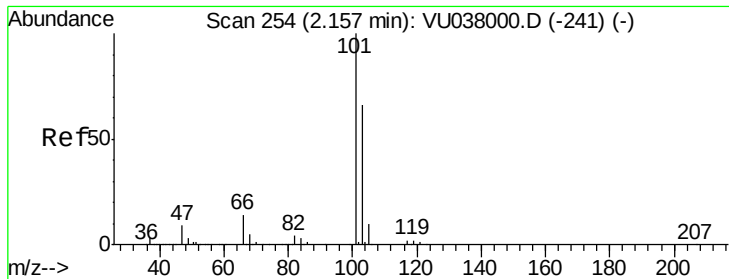
100000

50000

0

Time-->





#7

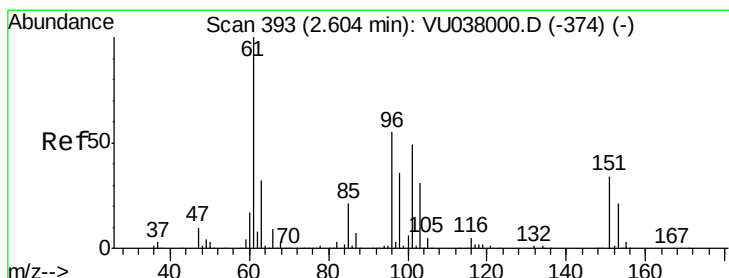
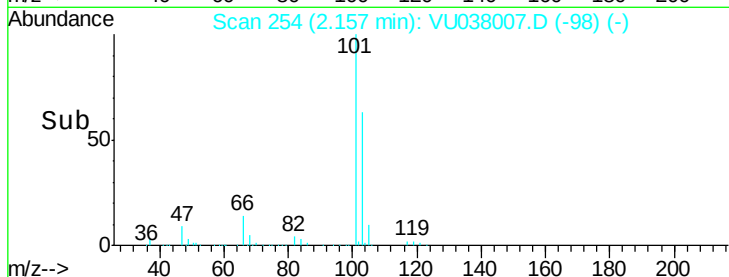
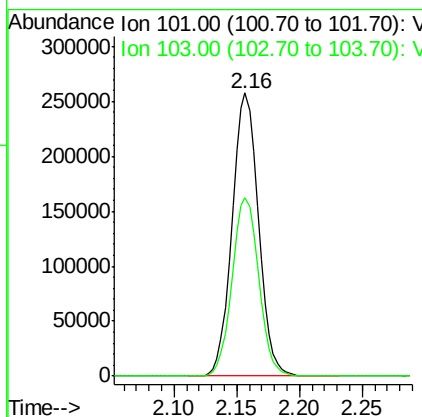
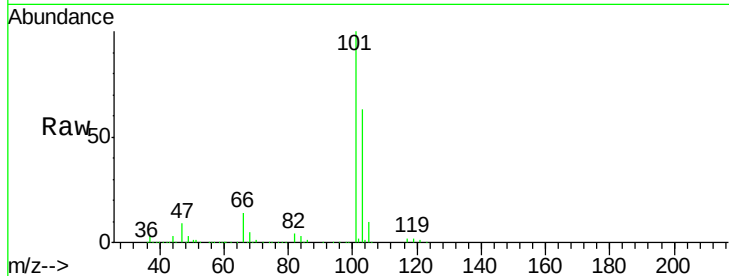
Trichlorofluoromethane
 Concen: 10.222 ug/l
 RT: 2.16 min Scan# 254
 Delta R.T. -0.00 min
 Lab File: VU038007.D
 Acq: 04 May 2020 18:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	52.6	78.8

Manual Integrations
 APPROVED

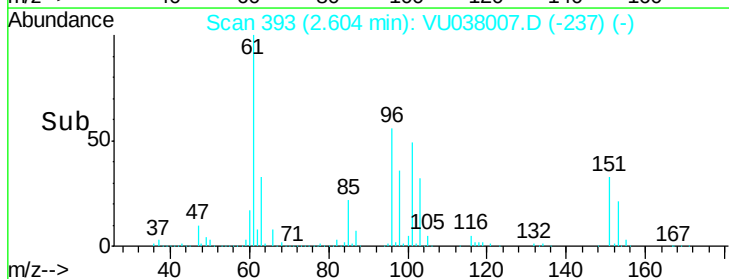
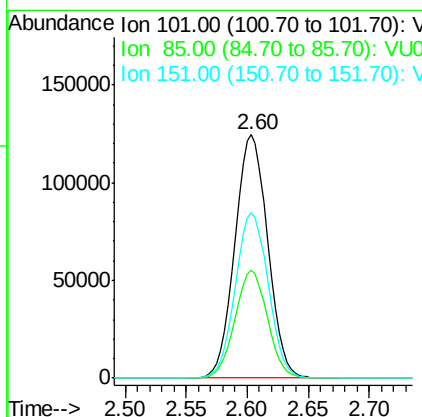
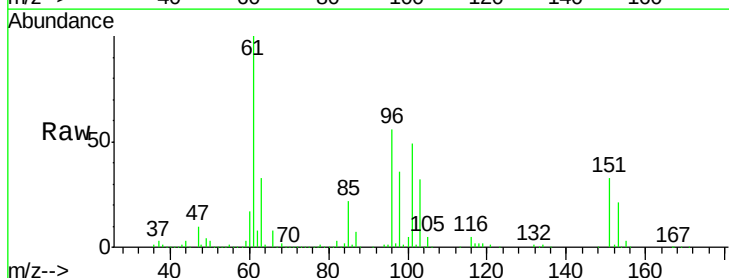
apatel
 5/5/2020 11:16:09 AM

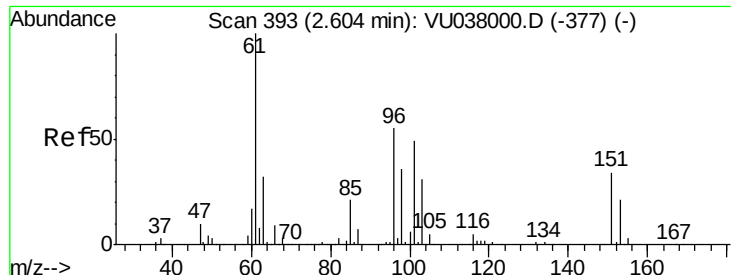


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 10.107 ug/l
 RT: 2.60 min Scan# 393
 Delta R.T. 0.00 min
 Lab File: VU038007.D
 Acq: 04 May 2020 18:11

Tgt Ion	Ratio	Lower	Upper
101	100		
85	43.9	35.5	53.3
151	68.5	55.2	82.8





#9

1,1-Dichloroethene

Concen: 9.933 ug/l

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU038007.D

Acq: 04 May 2020 18:11

Instrument :

MSVOA_U

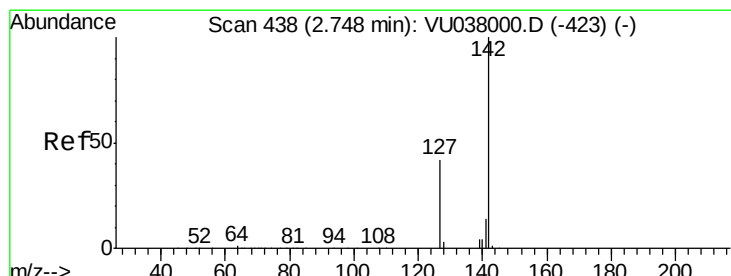
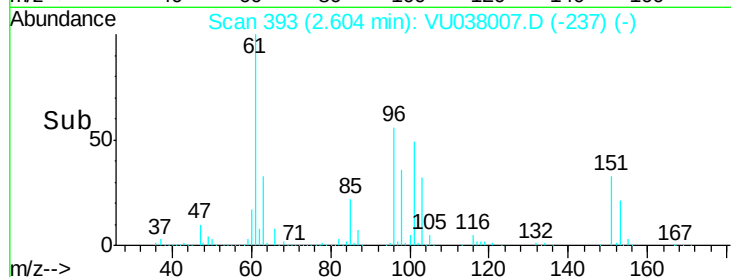
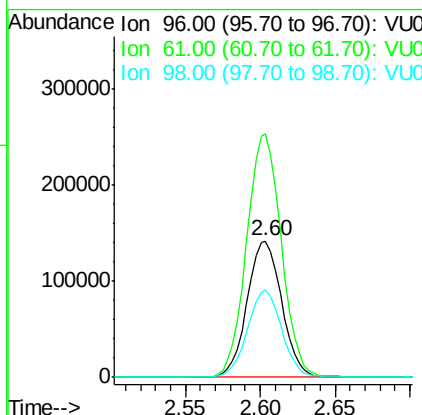
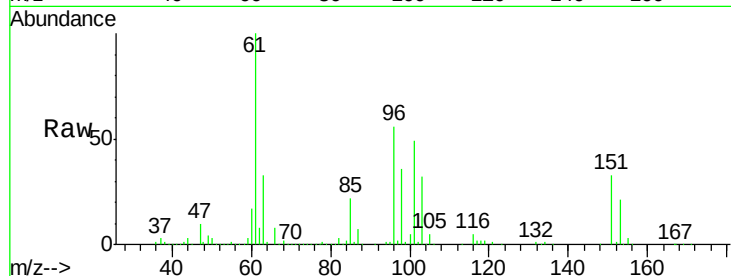
ClientSampleId :

VSTDCCC010EC

Tot Ion:	96	Resp:	228345
Ion Ratio	Lower	Upper	
96	100		
61	178.8	0.0	543.0
98	63.9	0.0	129.4

Manual Integrations
APPROVED

apatel
5/5/2020 11:16:09 AM



#10

Iodomethane

Concen: 8.629 ug/l

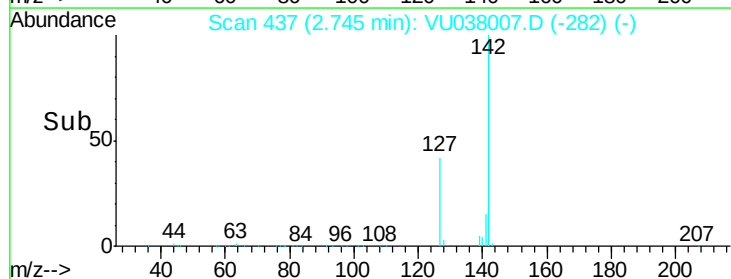
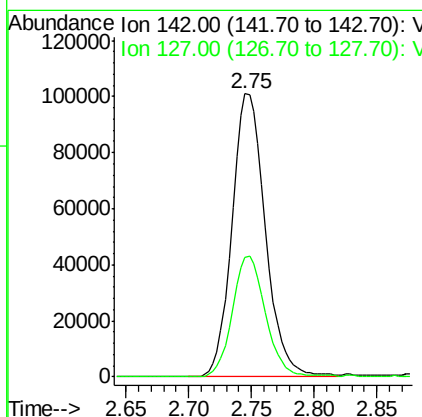
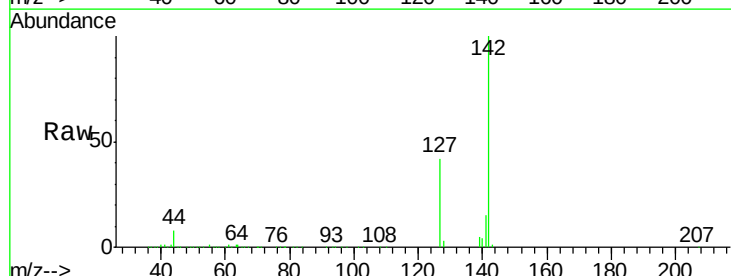
RT: 2.75 min Scan# 437

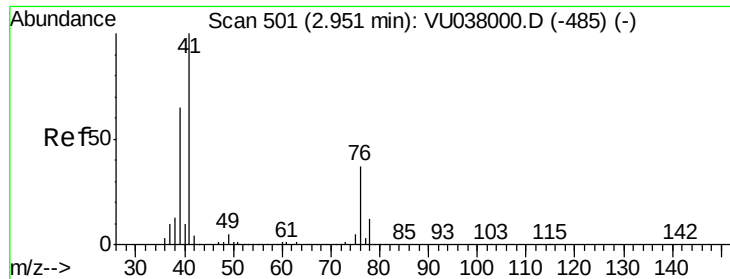
Delta R.T. -0.00 min

Lab File: VU038007.D

Acq: 04 May 2020 18:11

Tgt Ion:	142	Resp:	186939
Ion Ratio	Lower	Upper	
142	100		
127	42.6	33.5	50.3





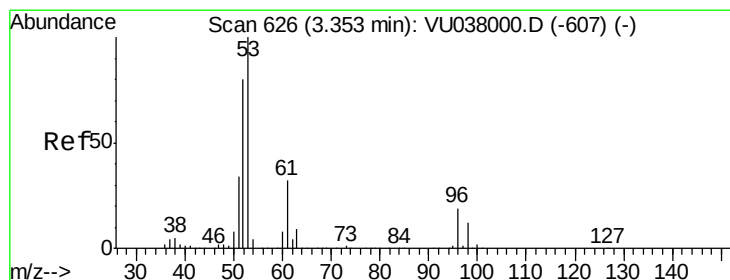
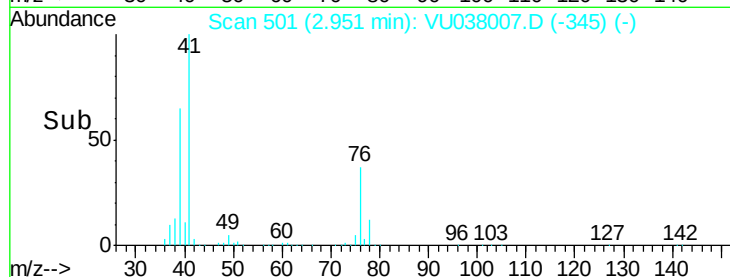
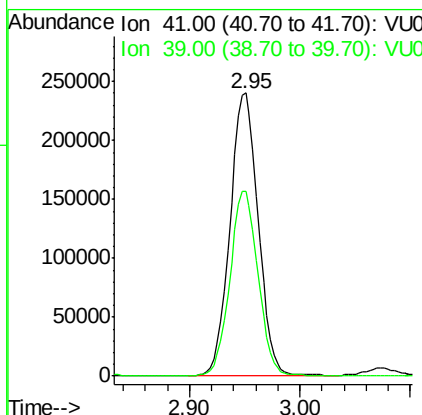
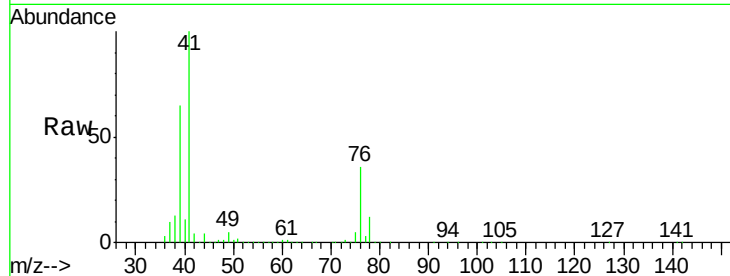
#11
 Allvl Chloride
 Concen: 9.922 ug/l
 RT: 2.95 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VU038007.D
 Acq: 04 May 2020 18:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 41 Resp: 423095
 Ion Ratio Lower Upper
 41 100
 39 65.1 51.7 77.5

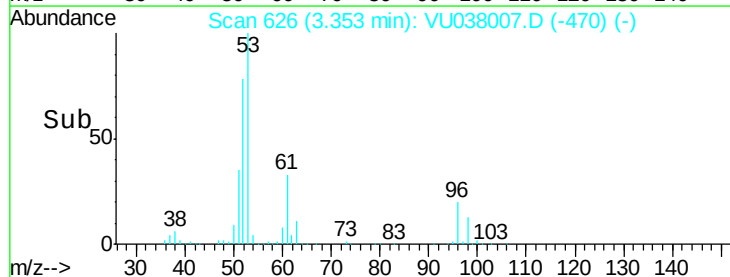
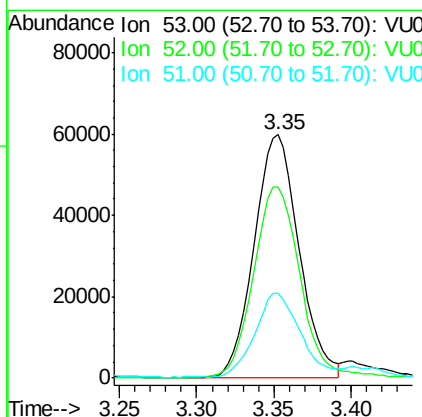
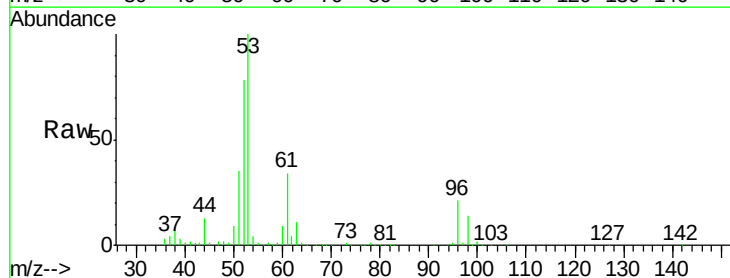
Manual Integrations
 APPROVED

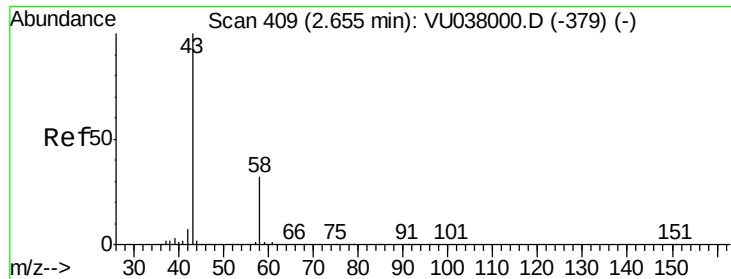
apatel
 5/5/2020 11:16:09 AM



#12
 Acrylonitrile
 Concen: 19.195 ug/l
 RT: 3.35 min Scan# 626
 Delta R.T. 0.00 min
 Lab File: VU038007.D
 Acq: 04 May 2020 18:11

Tgt Ion: 53 Resp: 120617
 Ion Ratio Lower Upper
 53 100
 52 81.4 63.3 94.9
 51 34.8 30.2 45.2





#13

Acetone

Concen: 42.371 ug/l

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU038007.D

Acq: 04 May 2020 18:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 212967

Ion Ratio Lower Upper

43 100

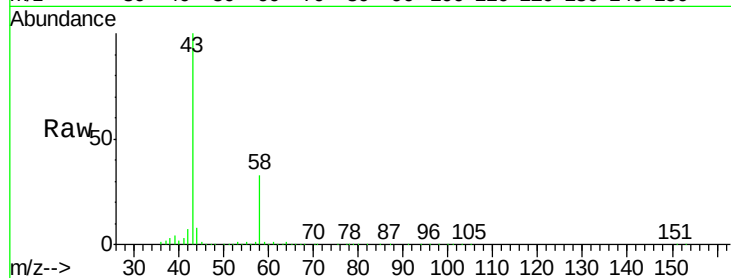
58 33.4 25.2 37.8

Manual Integrations

APPROVED

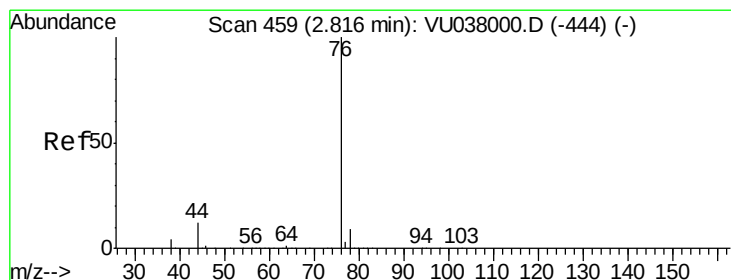
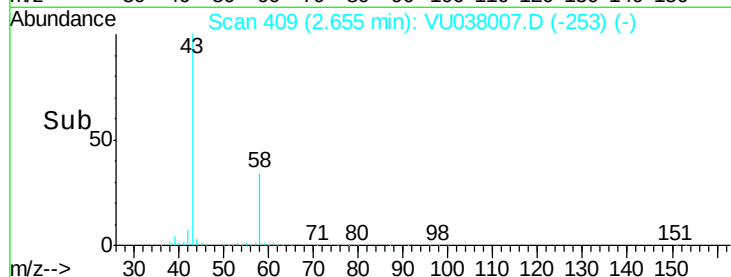
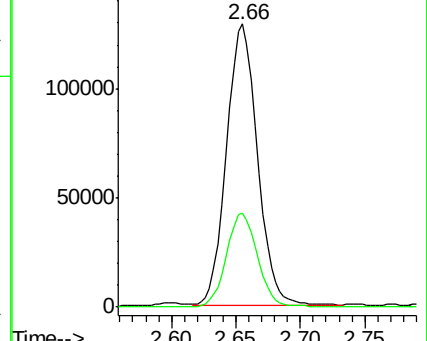
apatel

5/5/2020 11:16:09 AM



Abundance Ion 43.00 (42.70 to 43.70): VU038007.D (-253) (-)

Ion 58.00 (57.70 to 58.70): VU038007.D (-253) (-)



#14

Carbon Disulfide

Concen: 9.742 ug/l

RT: 2.82 min Scan# 459

Delta R.T. 0.00 min

Lab File: VU038007.D

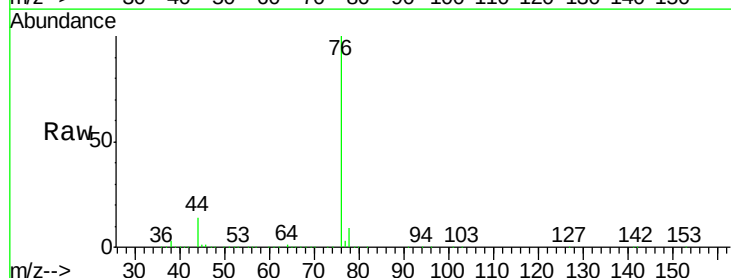
Acq: 04 May 2020 18:11

Tgt Ion: 76 Resp: 817710

Ion Ratio Lower Upper

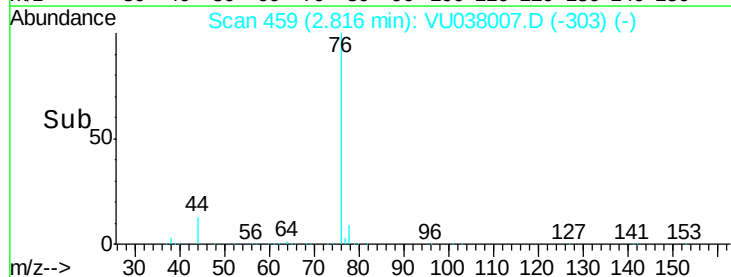
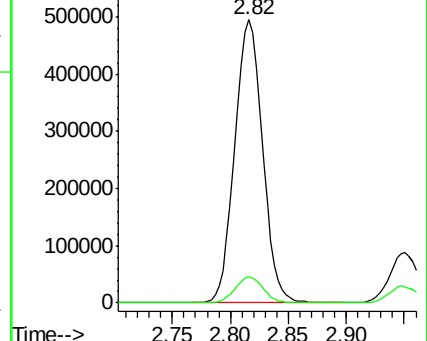
76 100

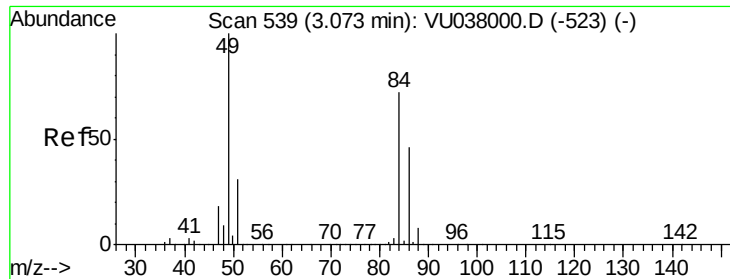
78 9.0 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VU038007.D (-303) (-)

Ion 78.00 (77.70 to 78.70): VU038007.D (-303) (-)





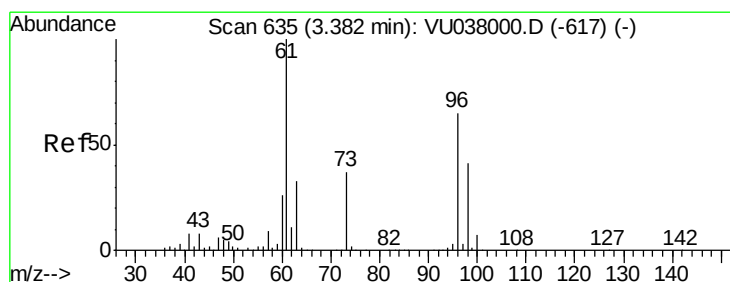
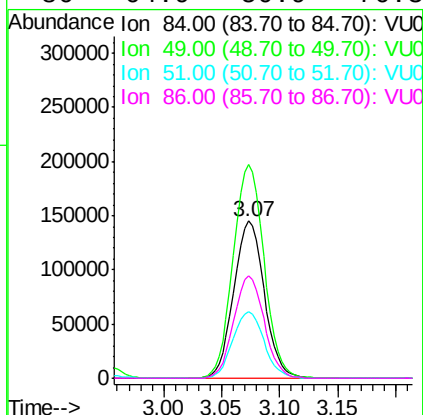
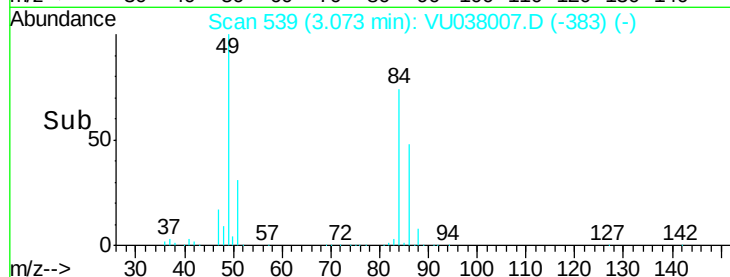
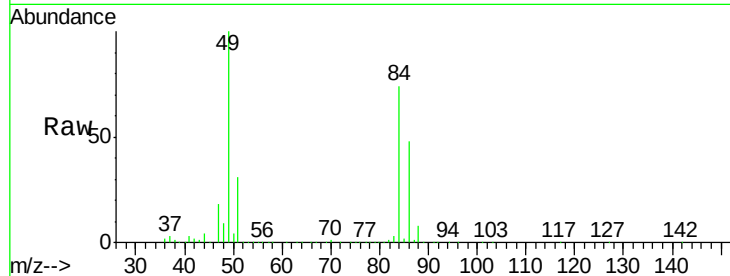
#15
Methylene Chloride
Concen: 9.895 ug/l
RT: 3.07 min Scan# 539
Delta R.T. 0.00 min
Lab File: VU038007.D
Acq: 04 May 2020 18:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion:	84	Resp:	265603
Ion	Ratio	Lower	Upper
84	100		
49	135.9	110.6	166.0
51	42.0	0.0	85.4
86	64.9	50.9	76.3

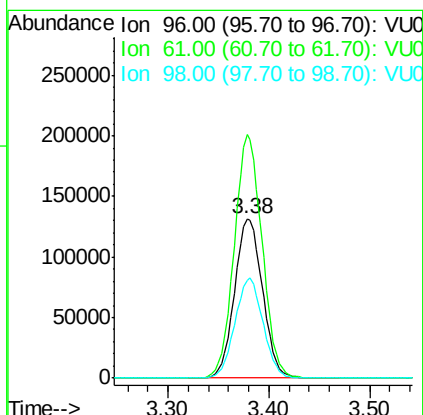
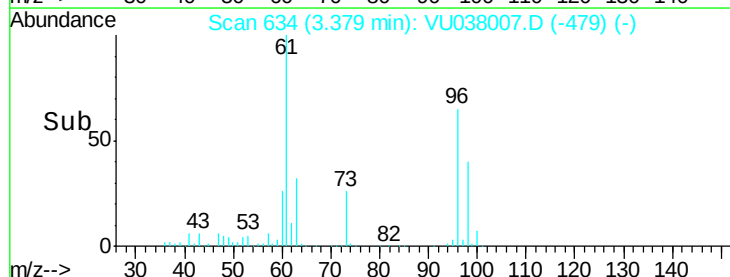
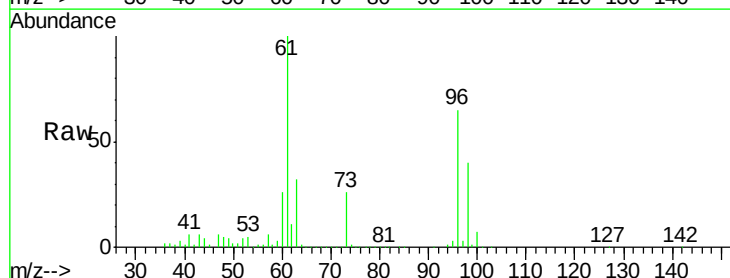
Manual Integrations
APPROVED

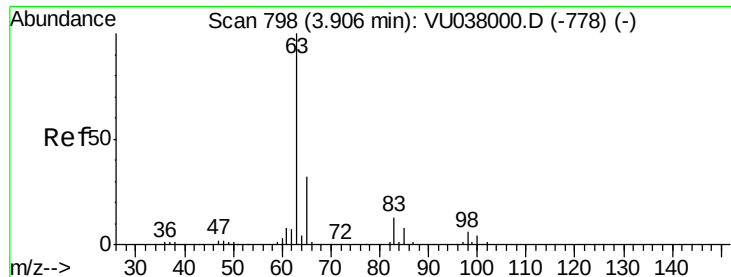
apatel
5/5/2020 11:16:09 AM



#16
trans-1,2-Dichloroethene
Concen: 10.046 ug/l
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU038007.D
Acq: 04 May 2020 18:11

Tgt Ion:	96	Resp:	252673
Ion	Ratio	Lower	Upper
96	100		
61	152.7	122.4	183.6
98	61.6	50.1	75.1





#17

1,1-Dichloroethane

Concen: 10.008 ug/l

RT: 3.91 min Scan# 798

Delta R.T. 0.00 min

Lab File: VU038007.D

Acq: 04 May 2020 18:11

Instrument :

MSVOA_U

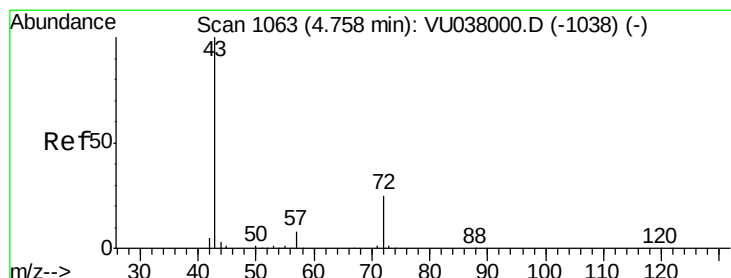
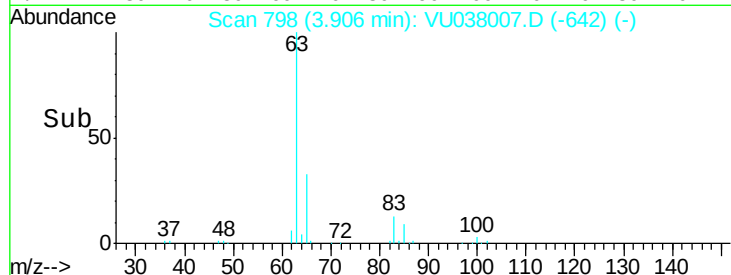
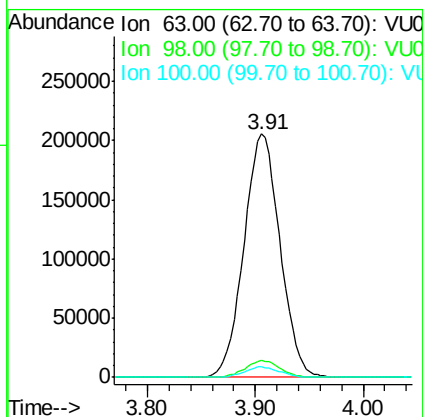
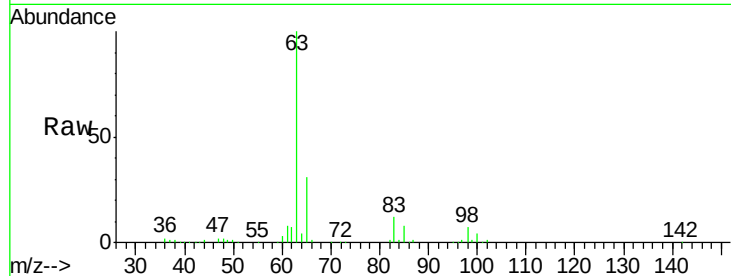
ClientSampleId :

VSTDCCC010EC

Tot Ion:	63	Resp:	477463
Ion Ratio	Lower	Upper	
63	100		
98	6.8	3.1	9.4
100	4.2	2.2	6.6

Manual Integrations
APPROVED

apatel
5/5/2020 11:16:09 AM



#18

2-Butanone

Concen: 48.207 ug/l

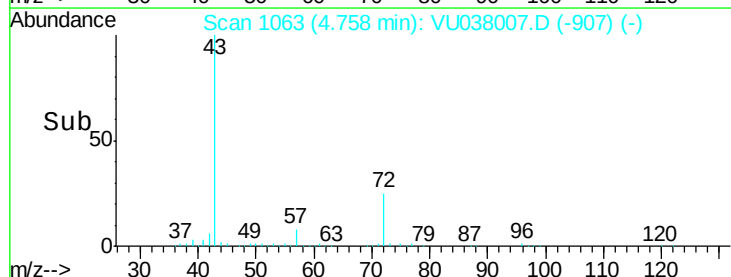
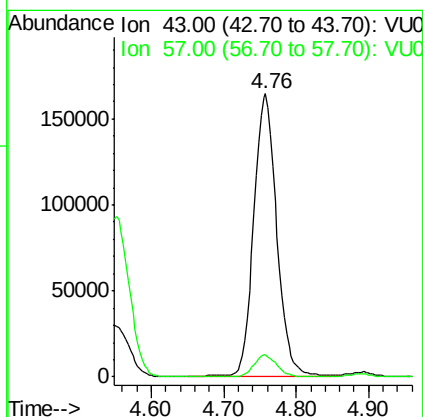
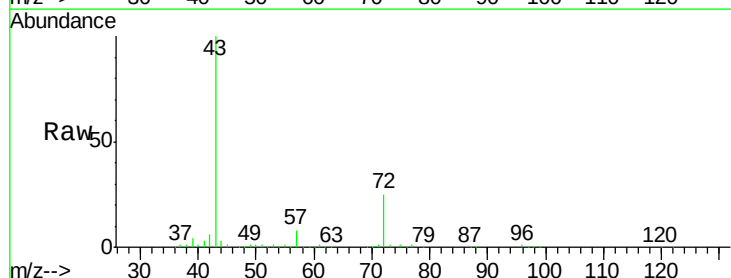
RT: 4.76 min Scan# 1063

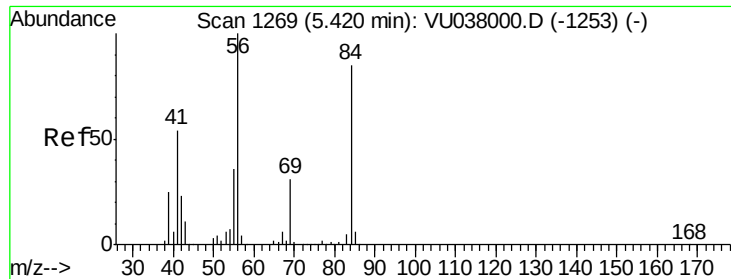
Delta R.T. -0.00 min

Lab File: VU038007.D

Acq: 04 May 2020 18:11

Tgt Ion:	43	Resp:	363302
Ion Ratio	Lower	Upper	
43	100		
57	7.6	0.0	16.6





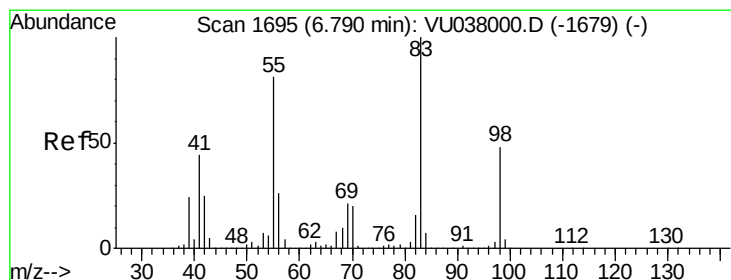
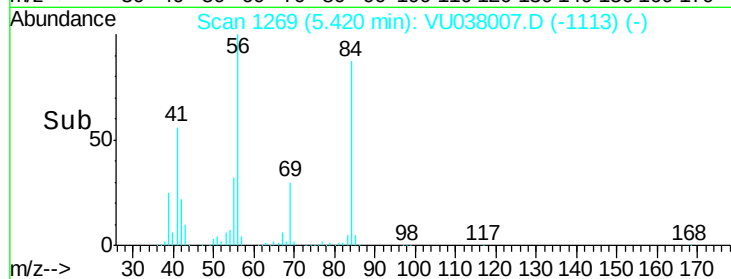
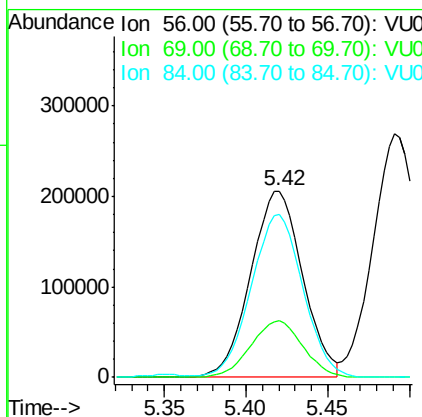
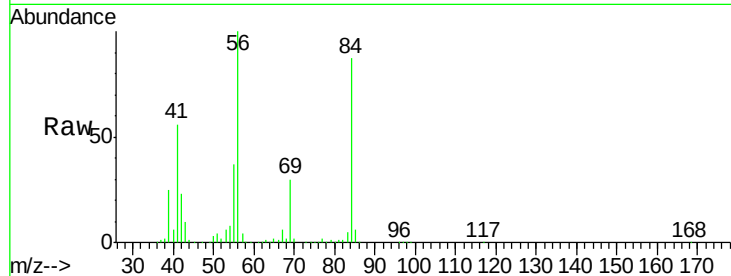
#19
Cyclohexane
Concen: 9.859 ug/l m
RT: 5.42 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VU038007.D
Acq: 04 May 2020 18:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.3	24.3	36.5
84	85.7	66.3	99.5

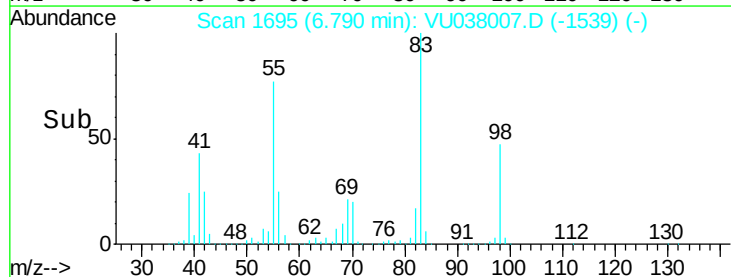
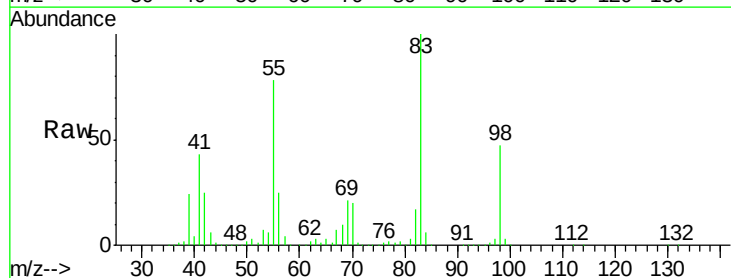
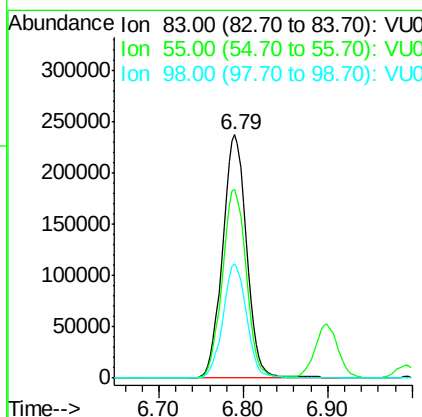
Manual Integrations
APPROVED

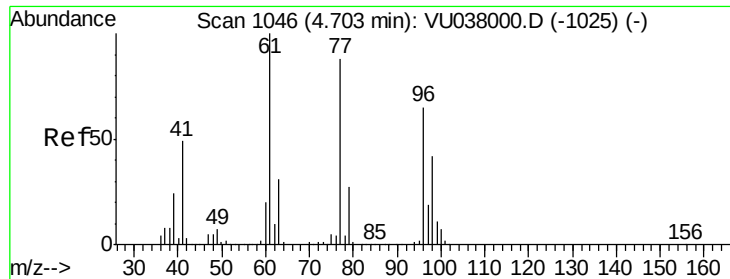
apatel
5/5/2020 11:16:09 AM



#20
Methylcyclohexane
Concen: 10.280 ug/l
RT: 6.79 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU038007.D
Acq: 04 May 2020 18:11

Tgt Ion	Ratio	Lower	Upper
83	100		
55	76.9	61.5	92.3
98	46.2	37.3	55.9





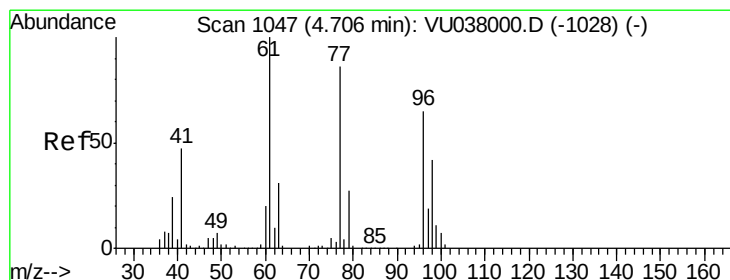
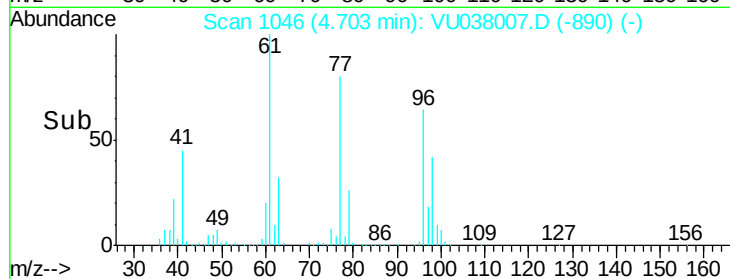
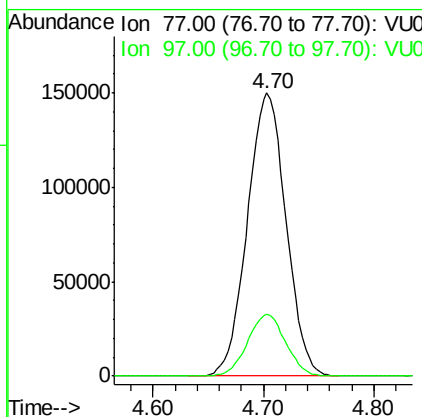
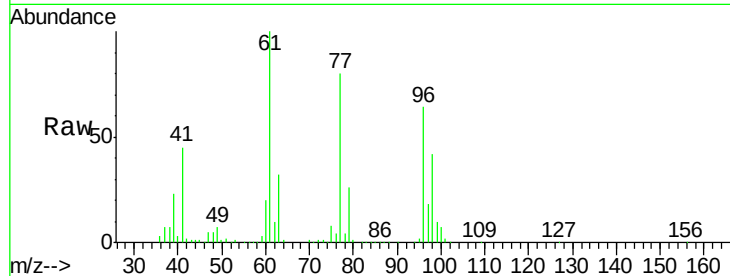
#21
 2,2-Dichloropropane
 Concen: 9.118 ug/l
 RT: 4.70 min Scan# 1046
 Delta R.T. 0.00 min
 Lab File: VU038007.D
 Acq: 04 May 2020 18:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
77	100		
97	21.7	17.4	26.2

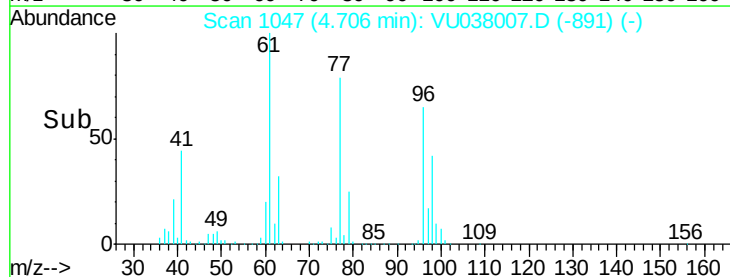
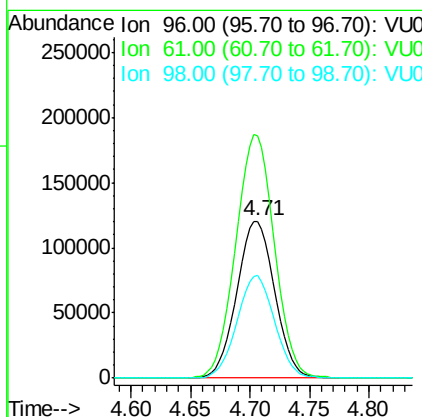
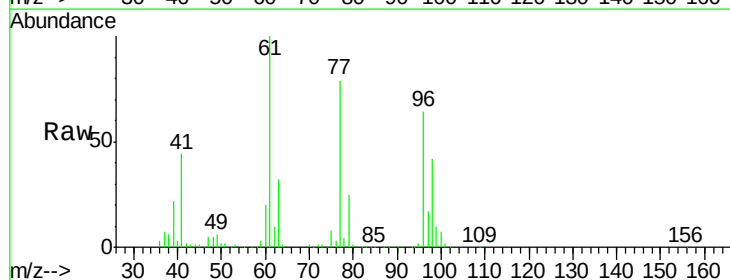
Manual Integrations
 APPROVED

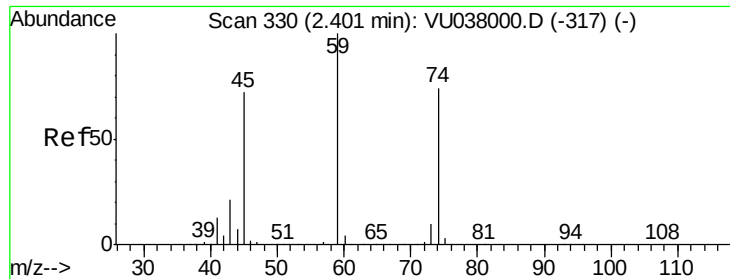
apatel
 5/5/2020 11:16:09 AM



#22
 cis-1,2-Dichloroethene
 Concen: 10.012 ug/l
 RT: 4.71 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: VU038007.D
 Acq: 04 May 2020 18:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.9	0.0	389.3
98	64.9	32.1	96.3





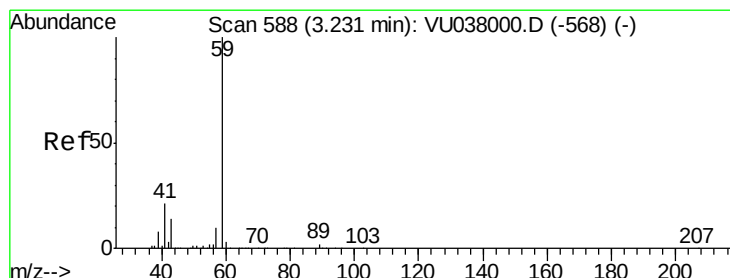
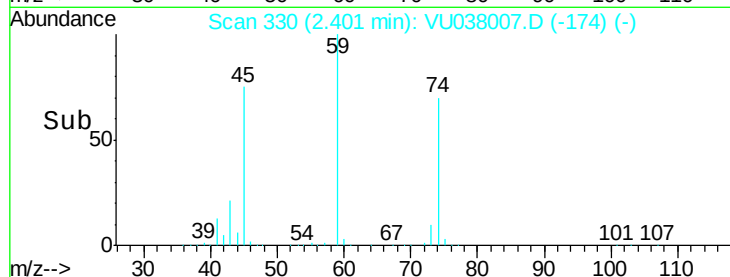
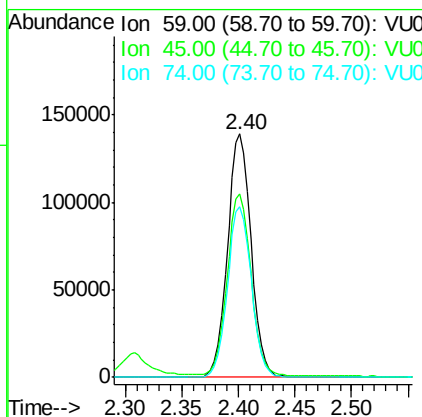
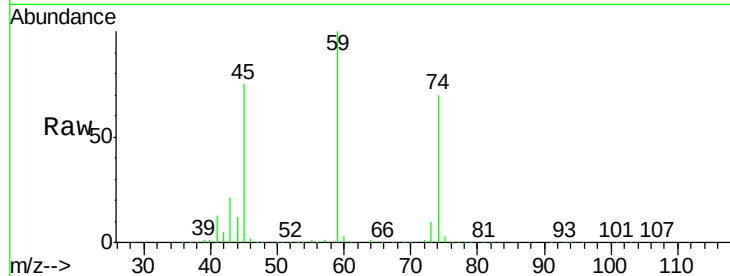
#23
Diethyl Ether
Concen: 9.965 ug/l
RT: 2.40 min Scan# 330
Delta R.T. -0.00 min
Lab File: VU038007.D
Acq: 04 May 2020 18:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
59	100		
45	76.2	59.8	89.6
74	71.3	58.2	87.4

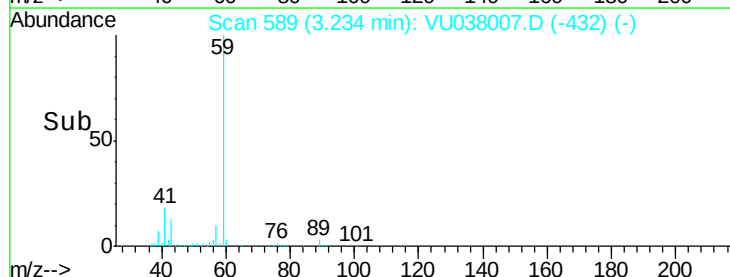
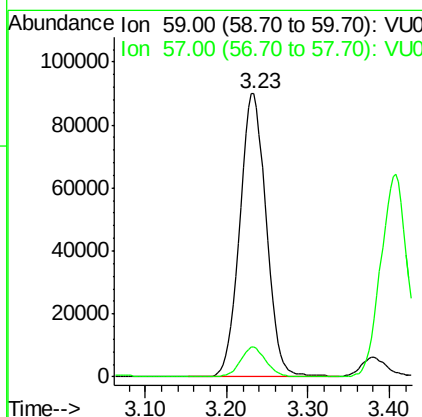
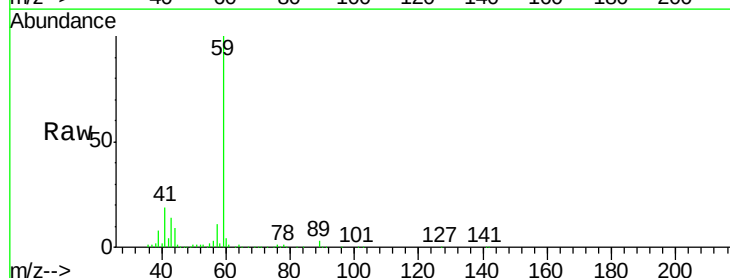
Manual Integrations
APPROVED

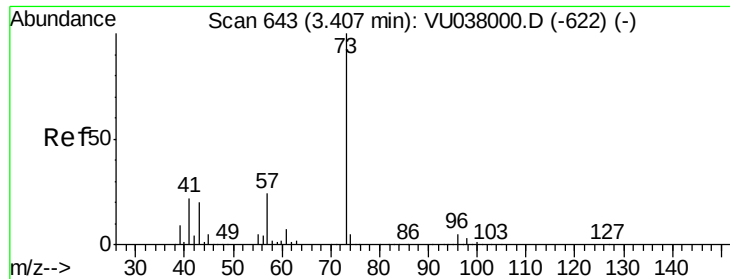
apatel
5/5/2020 11:16:09 AM



#24
tert-Butyl Alcohol
Concen: 90.026 ug/l
RT: 3.23 min Scan# 589
Delta R.T. 0.00 min
Lab File: VU038007.D
Acq: 04 May 2020 18:11

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.2	12.4





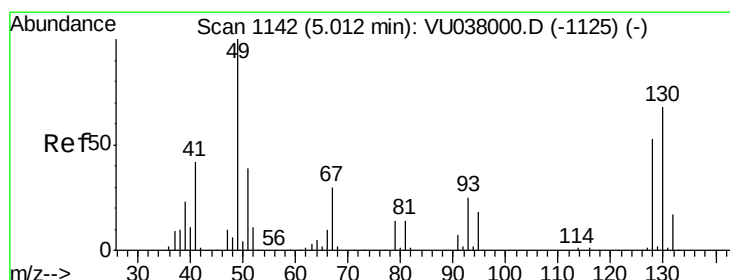
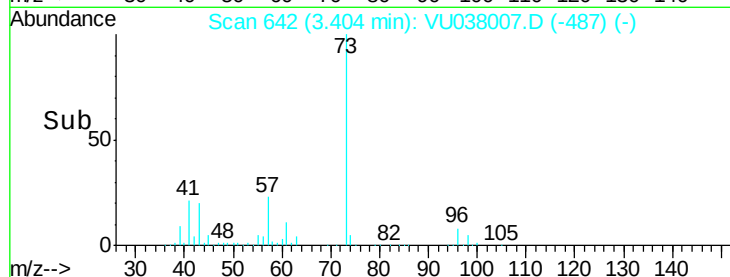
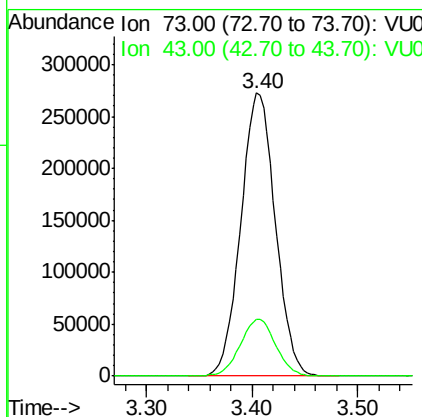
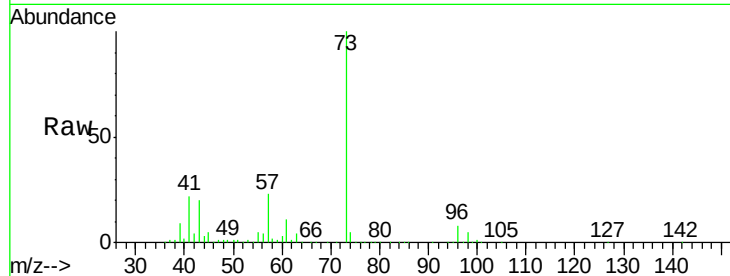
#25
Methyl tert-Butyl Ether
Concen: 9.864 ug/l
RT: 3.40 min Scan# 642
Delta R.T. -0.00 min
Lab File: VU038007.D
Acq: 04 May 2020 18:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
73	100		
43	20.5	16.2	24.2

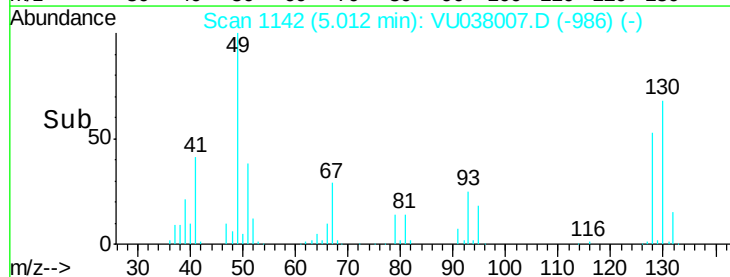
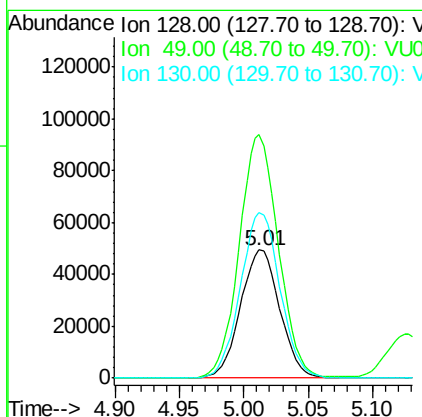
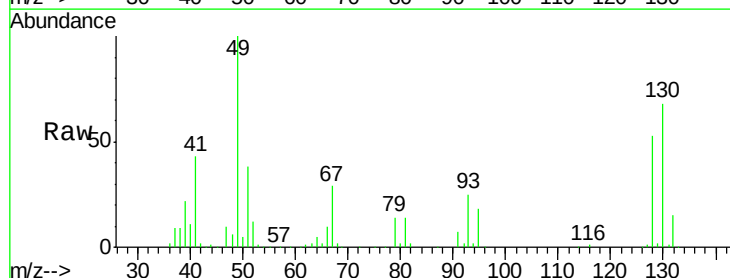
Manual Integrations
APPROVED

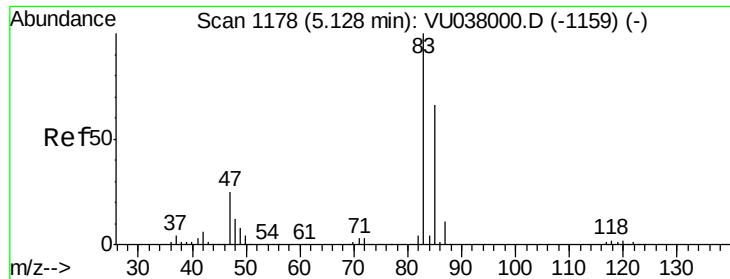
apatel
5/5/2020 11:16:09 AM



#26
Bromochloromethane
Concen: 9.815 ug/l
RT: 5.01 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VU038007.D
Acq: 04 May 2020 18:11

Tgt Ion	Ratio	Lower	Upper
128	100		
49	188.8	0.0	376.0
130	130.4	102.6	153.8





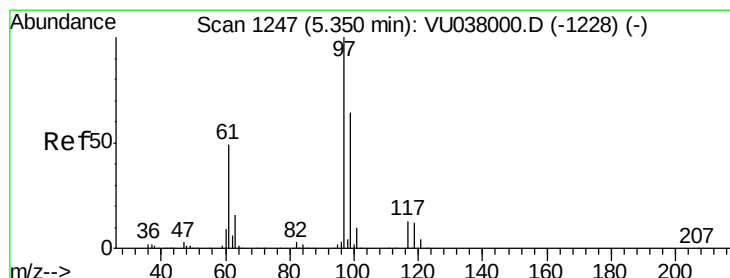
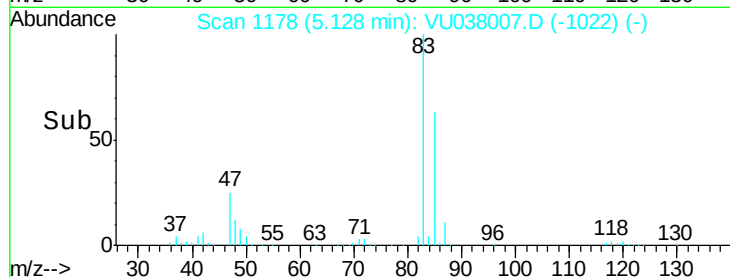
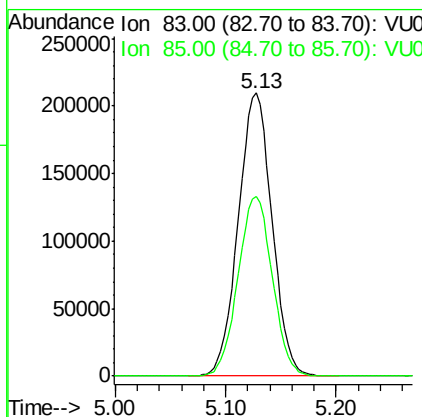
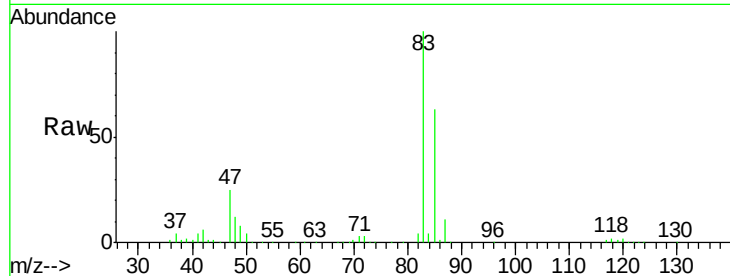
#27
Chloroform
Concen: 9.938 ug/l
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU038007.D
Acq: 04 May 2020 18:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	83	Resp	444630
Ion Ratio	100	Lower	Upper
85	63.3	0.0	132.0

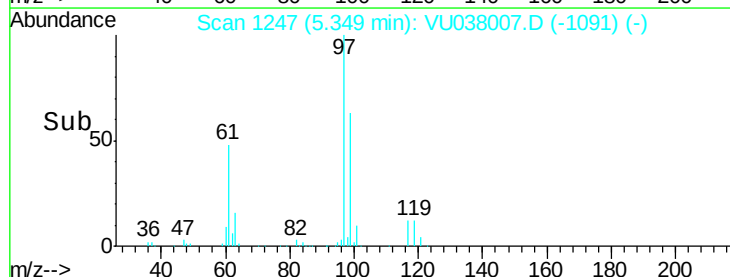
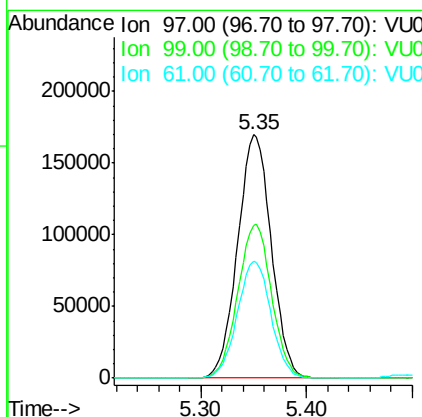
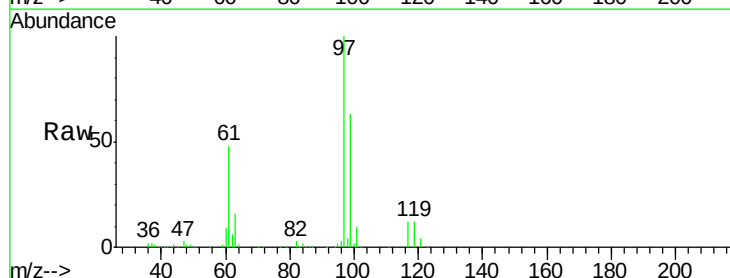
Manual Integrations
APPROVED

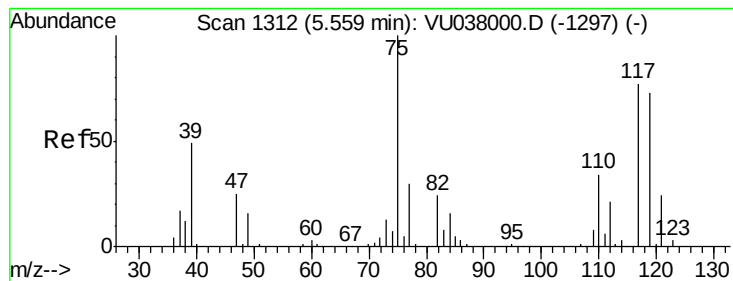
apatel
5/5/2020 11:16:09 AM



#28
1,1,1-Trichloroethane
Concen: 10.210 ug/l
RT: 5.35 min Scan# 1247
Delta R.T. -0.00 min
Lab File: VU038007.D
Acq: 04 May 2020 18:11

Tgt Ion	97	Resp	376451
Ion Ratio	100	Lower	Upper
99	63.6	31.9	95.9
61	47.7	24.1	72.4





#29

1,1-Dichloropropene

Concen: 9.949 ug/l

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU038007.D

Acq: 04 May 2020 18:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 75 Resp: 369164

Ion Ratio Lower Upper

75 100

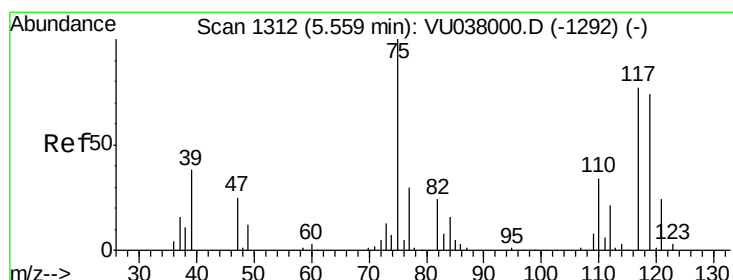
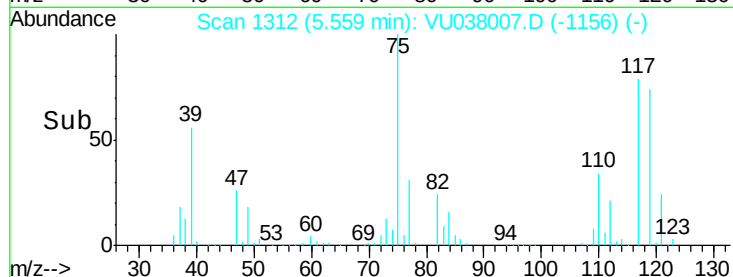
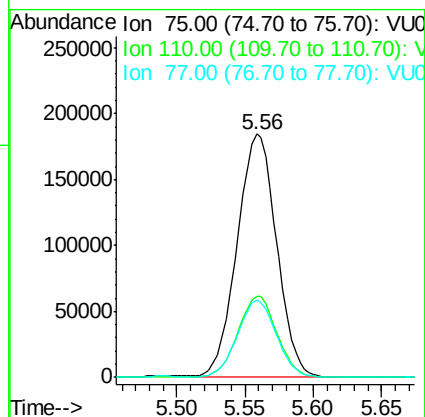
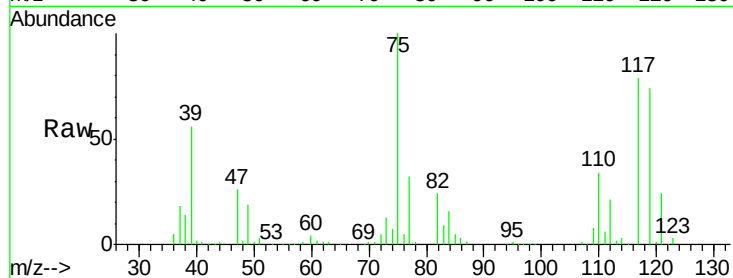
110 33.2 16.7 50.1

77 31.0 24.5 36.7

Manual Integrations
APPROVED

apatel

5/5/2020 11:16:09 AM



#30

Carbon Tetrachloride

Concen: 10.275 ug/l

RT: 5.56 min Scan# 1311

Delta R.T. -0.00 min

Lab File: VU038007.D

Acq: 04 May 2020 18:11

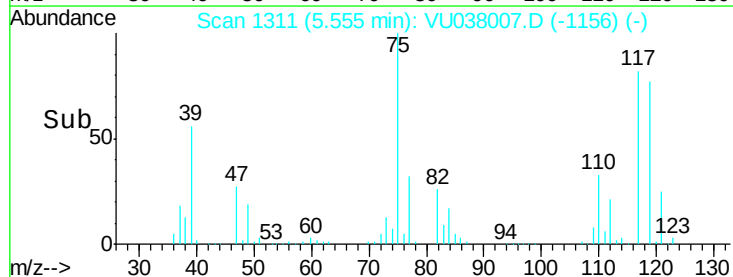
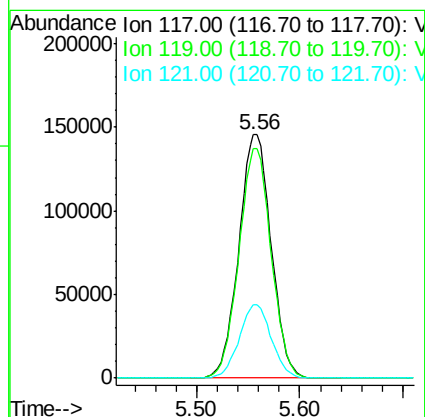
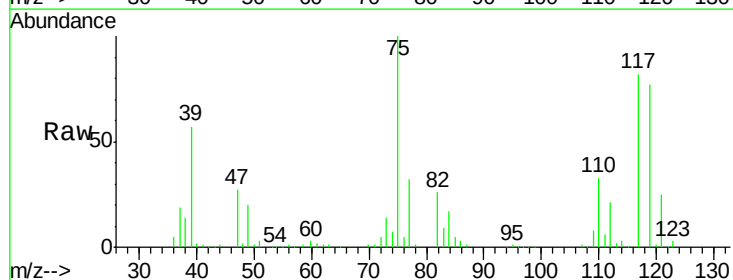
Tgt Ion: 117 Resp: 316984

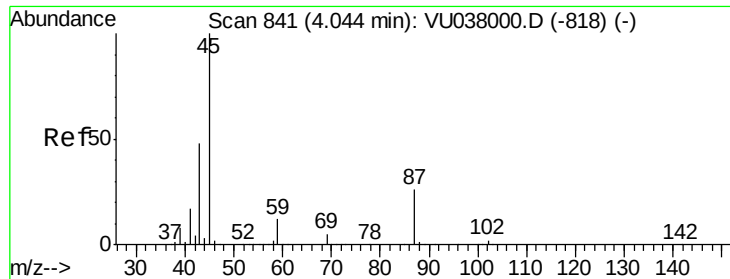
Ion Ratio Lower Upper

117 100

119 94.2 76.3 114.5

121 30.1 24.7 37.1





#31

Isopropyl Ether

Concen: 10.115 ug/l

RT: 4.04 min Scan# 841

Delta R.T. -0.00 min

Lab File: VU038007.D

Acq: 04 May 2020 18:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 794157

Ion Ratio Lower Upper

45 100

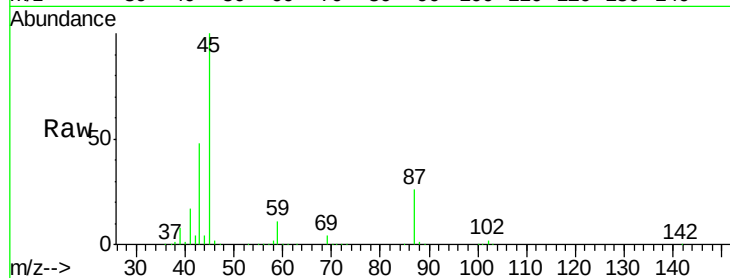
43 48.2 24.2 72.6

Manual Integrations

APPROVED

apatel

5/5/2020 11:16:09 AM



Abundance Ion 45.00 (44.70 to 45.70): VU038007.D (-818) (-)

Ion 43.00 (42.70 to 43.70): VU038007.D (-818) (-)

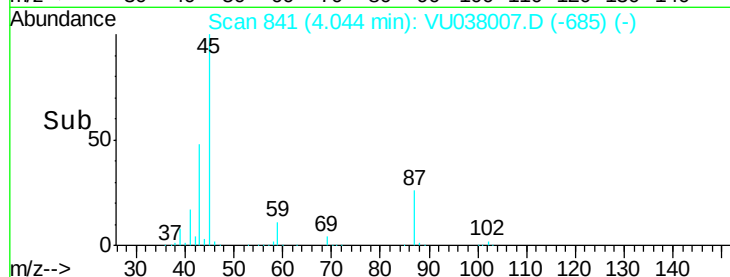
300000

200000

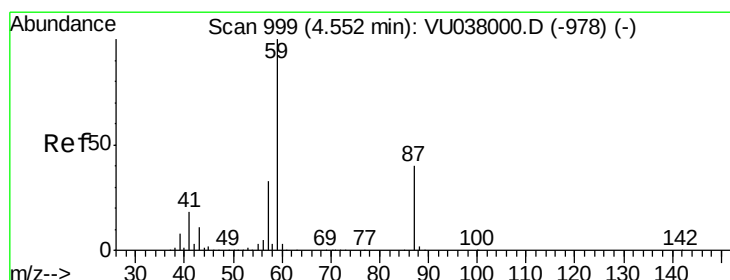
100000

0

Time-->



Time-->



#32

Ethyl-t-butyl ether

Concen: 9.758 ug/l

RT: 4.55 min Scan# 999

Delta R.T. -0.00 min

Lab File: VU038007.D

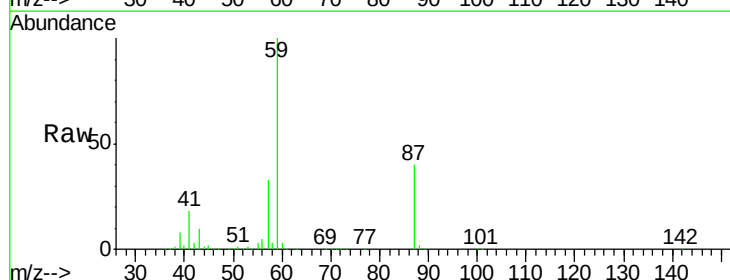
Acq: 04 May 2020 18:11

Tgt Ion: 59 Resp: 691734

Ion Ratio Lower Upper

59 100

87 40.5 32.4 48.6



Abundance Ion 59.00 (58.70 to 59.70): VU038007.D (-978) (-)

Ion 87.00 (86.70 to 87.70): VU038007.D (-978) (-)

300000

250000

200000

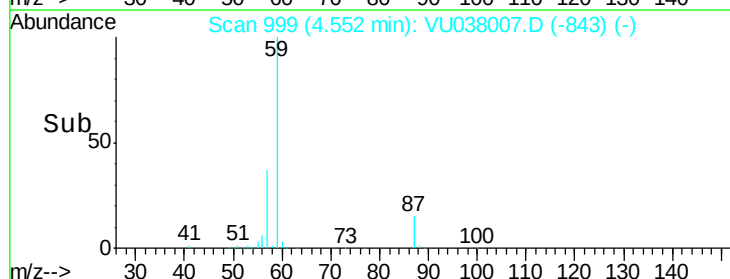
150000

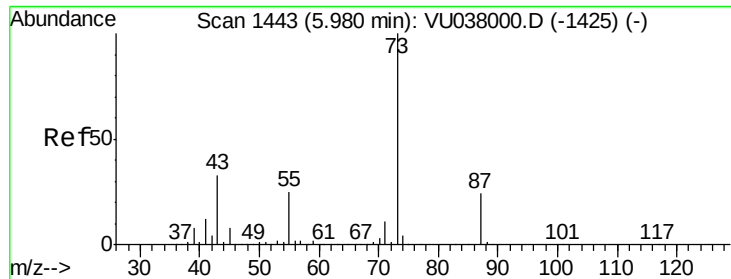
100000

50000

0

Time-->





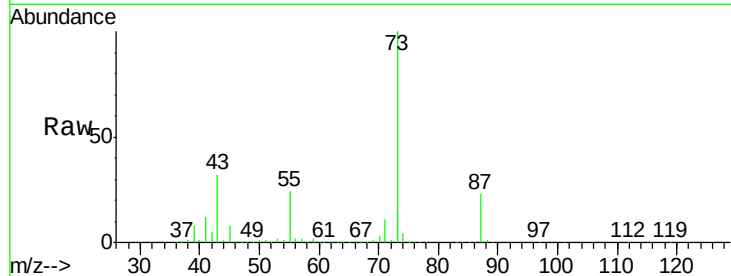
#33
Tert-Butyl methyl ether
Concen: 9.703 ug/l
RT: 5.98 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VU038007.D
Acq: 04 May 2020 18:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

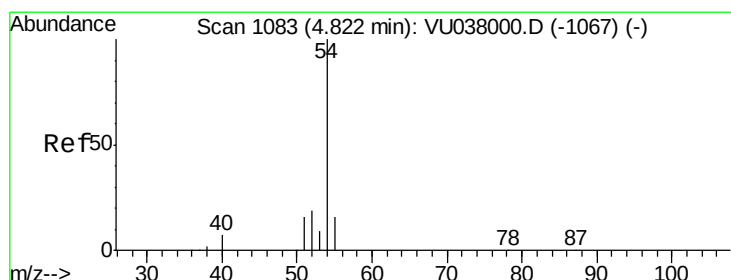
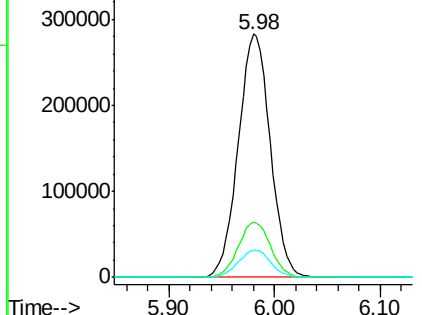
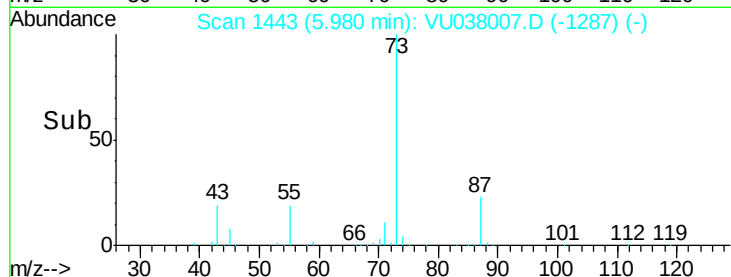
Tot Ion	Ratio	Lower	Upper
73	100		
87	23.1	18.9	28.3
71	11.4	9.1	13.7

Manual Integrations
APPROVED

apatel
5/5/2020 11:16:09 AM

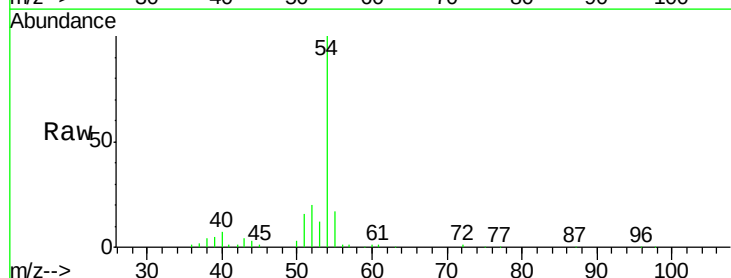


Abundance Ion 73.00 (72.70 to 73.70): VU038007.D (-1287) (-)

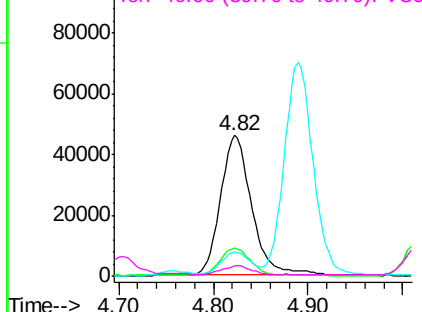
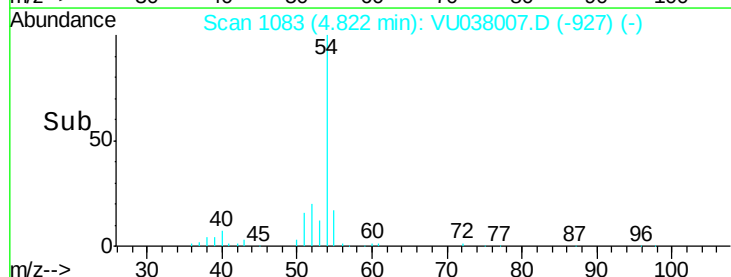


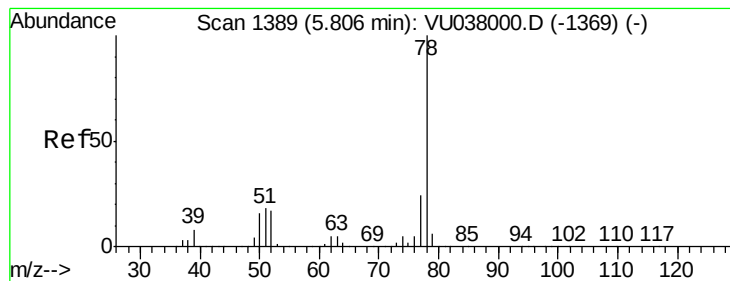
#34
Propionitrile
Concen: 48.331 ug/l
RT: 4.82 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VU038007.D
Acq: 04 May 2020 18:11

Tgt Ion	Ratio	Lower	Upper
54	100		
52	18.2	15.8	23.8
55	16.4	13.2	19.8
40	5.8	5.2	7.8



Abundance Ion 54.00 (53.70 to 54.70): VU038007.D (-927) (-)





#35

Benzene

Concen: 10.042 ug/l

RT: 5.81 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VU038007.D

Acq: 04 May 2020 18:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 78 Resp: 1042801

Ion Ratio Lower Upper

78 100

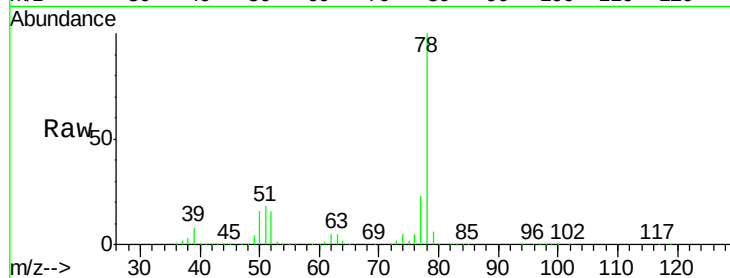
77 23.3 19.3 28.9

Manual Integrations

APPROVED

apatel

5/5/2020 11:16:09 AM



Abundance Ion 78.10 (77.80 to 78.80): VU038007.D (-1233) (-)

Ion 77.00 (76.70 to 77.70): VU038007.D (-1233) (-)

5.81

600000

500000

400000

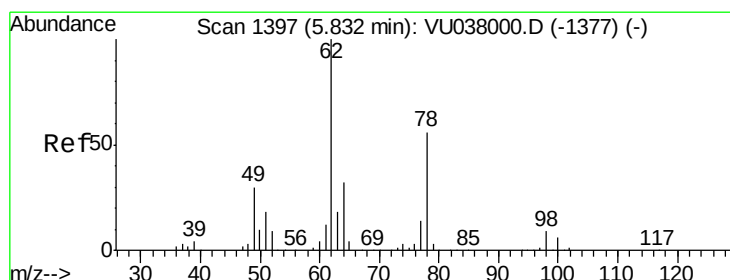
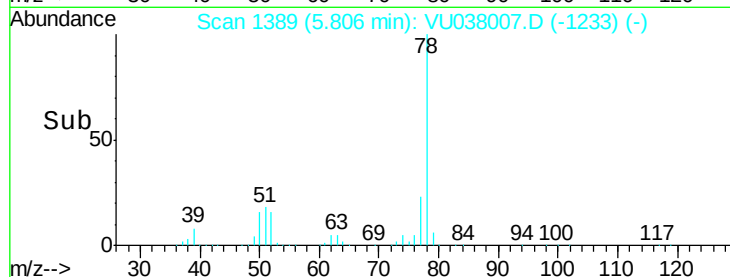
300000

200000

100000

0

Time-->



#36

1,2-Dichloroethane

Concen: 9.856 ug/l

RT: 5.83 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VU038007.D

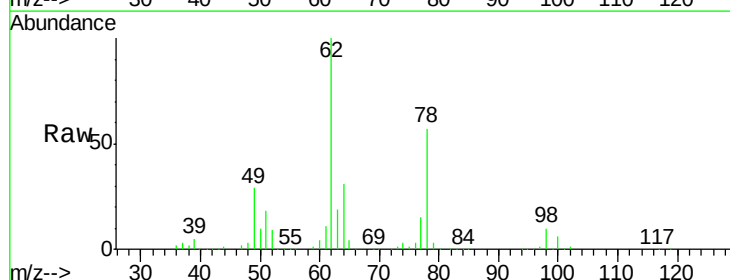
Acq: 04 May 2020 18:11

Tgt Ion: 62 Resp: 302778

Ion Ratio Lower Upper

62 100

98 9.5 7.3 10.9



Abundance Ion 62.00 (61.70 to 62.70): VU038007.D (-1241) (-)

Ion 98.00 (97.70 to 98.70): VU038007.D (-1241) (-)

5.83

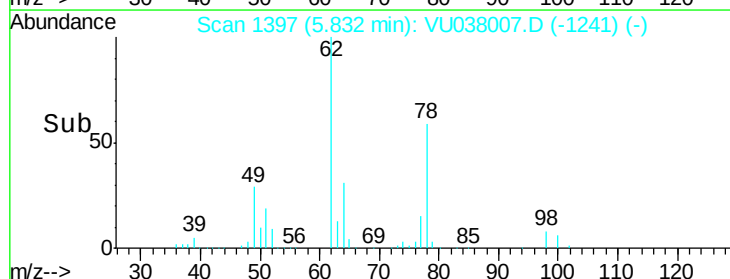
150000

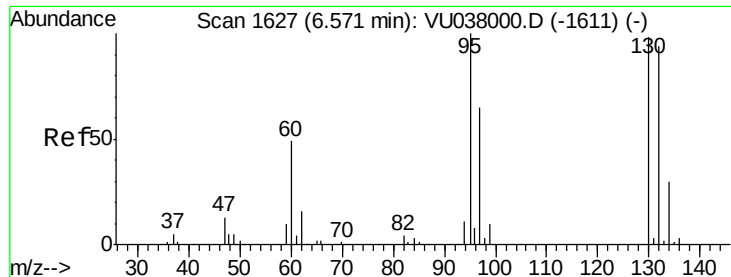
100000

50000

0

Time-->





#37

Trichloroethene

Concen: 9.908 ug/l

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU038007.D

Acq: 04 May 2020 18:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:130 Resp: 270110

Ion Ratio Lower Upper

130 100

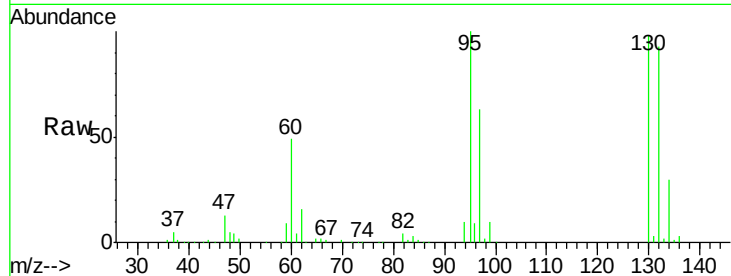
95 102.3 81.6 122.4

Manual Integrations

APPROVED

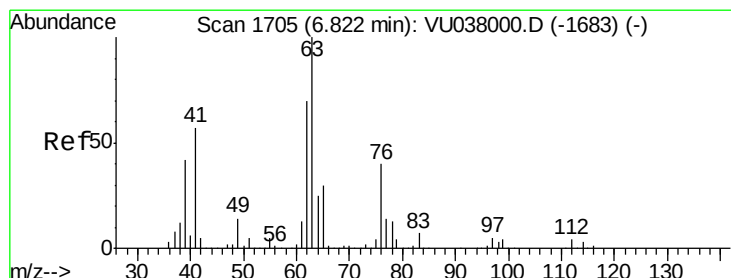
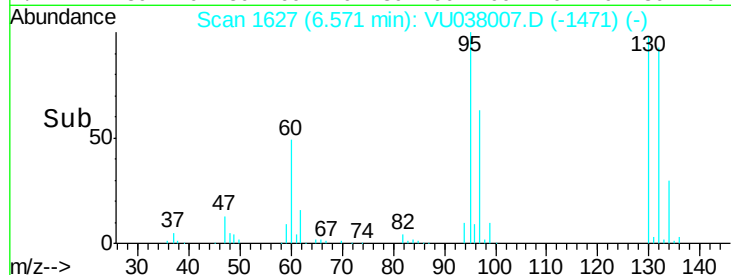
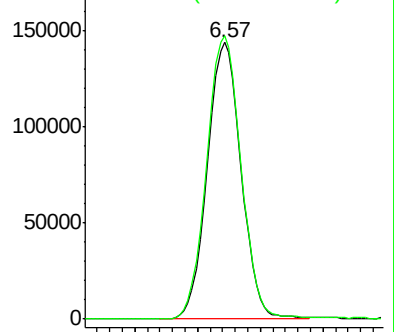
apatel

5/5/2020 11:16:09 AM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VU0



#38

1,2-Dichloropropane

Concen: 10.000 ug/l

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU038007.D

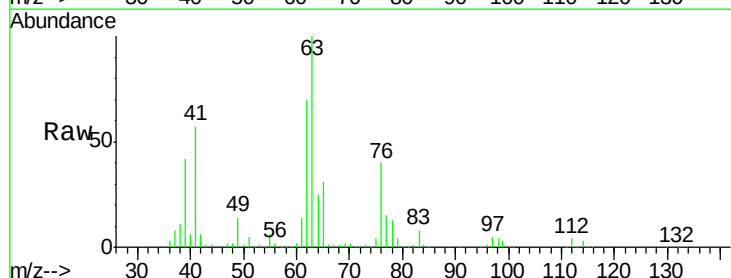
Acq: 04 May 2020 18:11

Tgt Ion: 63 Resp: 279401

Ion Ratio Lower Upper

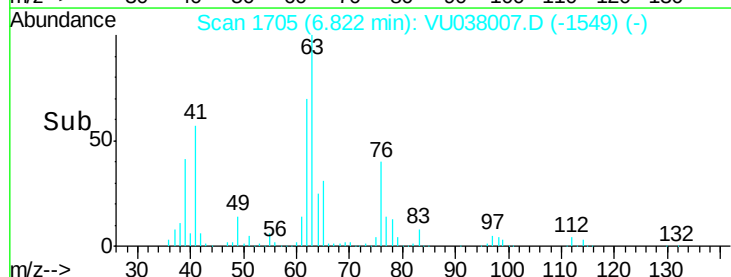
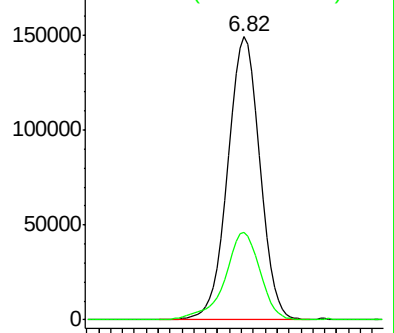
63 100

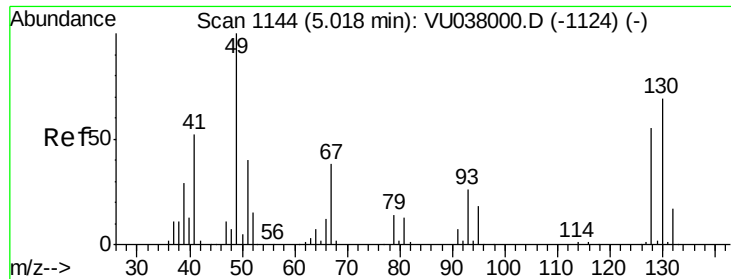
65 31.0 24.1 36.1



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 65.00 (64.70 to 65.70): VU0





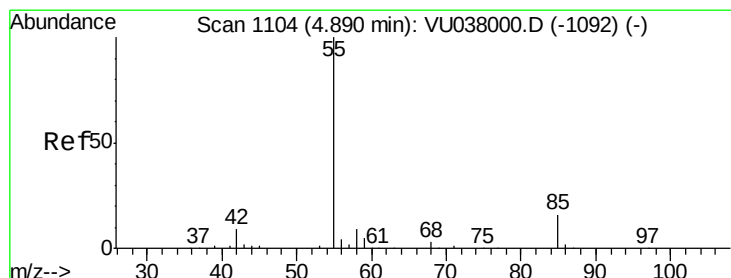
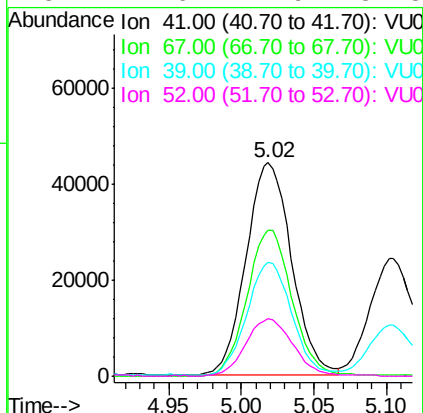
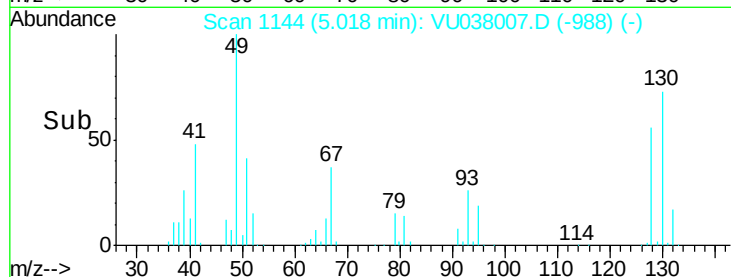
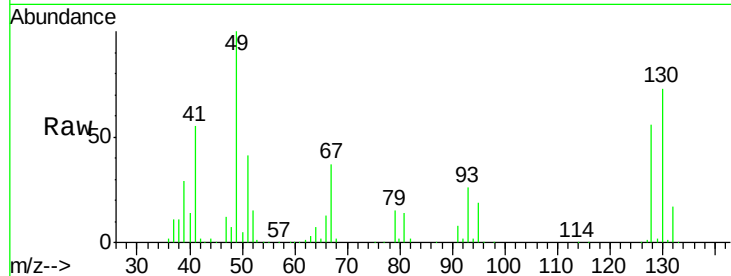
#39
Methacrylonitrile
Concen: 9.568 ug/l
RT: 5.02 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VU038007.D
Acq: 04 May 2020 18:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	41	Resp	96706
Ion	Ratio	Lower	Upper
41	100		
67	68.5	58.0	87.0
39	52.3	43.2	64.8
52	27.6	22.9	34.3

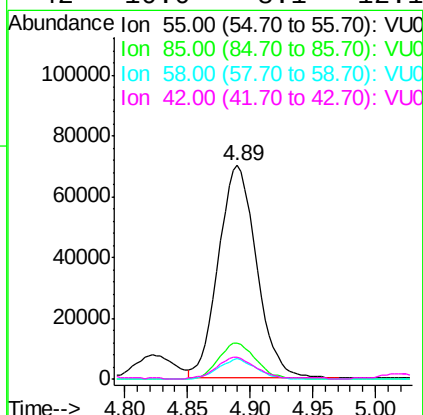
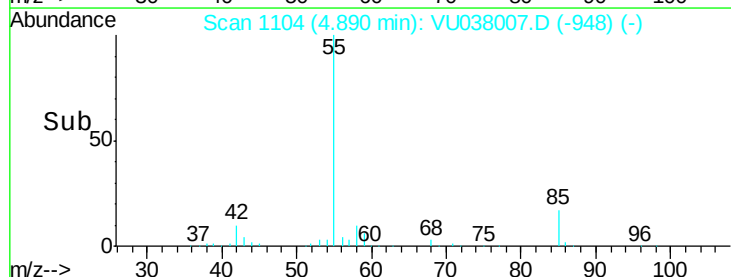
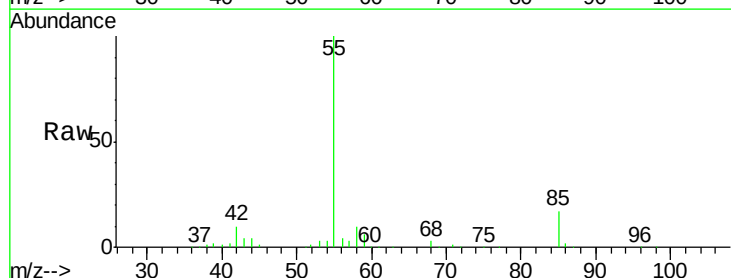
Manual Integrations
APPROVED

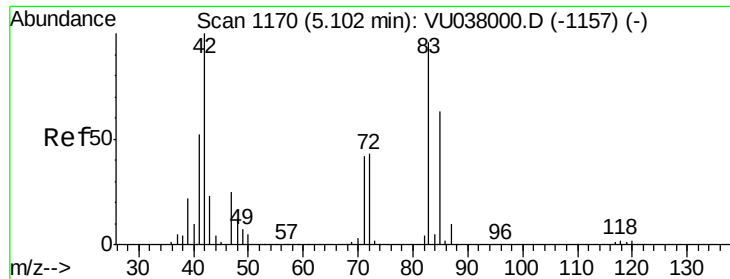
apatel
5/5/2020 11:16:09 AM



#40
Methyl acrylate
Concen: 9.935 ug/l
RT: 4.89 min Scan# 1104
Delta R.T. 0.00 min
Lab File: VU038007.D
Acq: 04 May 2020 18:11

Tgt Ion	55	Resp	147960
Ion	Ratio	Lower	Upper
55	100		
85	16.6	12.9	19.3
58	9.3	7.2	10.8
42	10.0	8.1	12.1





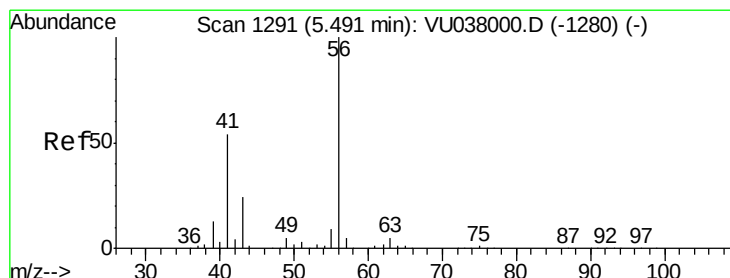
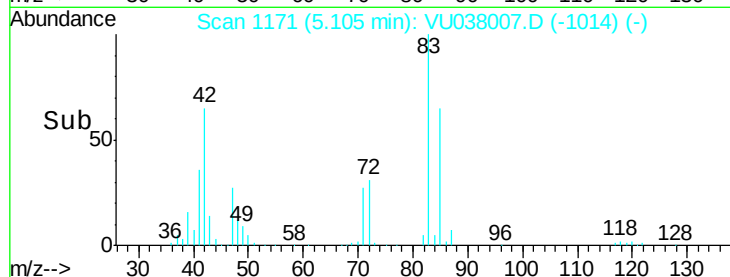
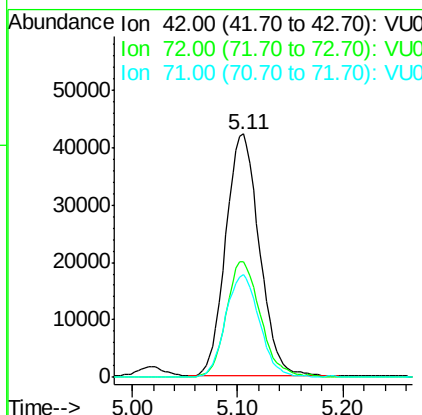
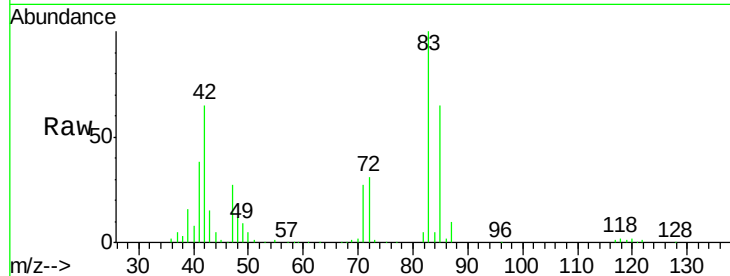
#41
Tetrahydrofuran
Concen: 18.529 ug/l
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU038007.D
Acq: 04 May 2020 18:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.6	37.4	56.2
71	42.8	32.8	49.2

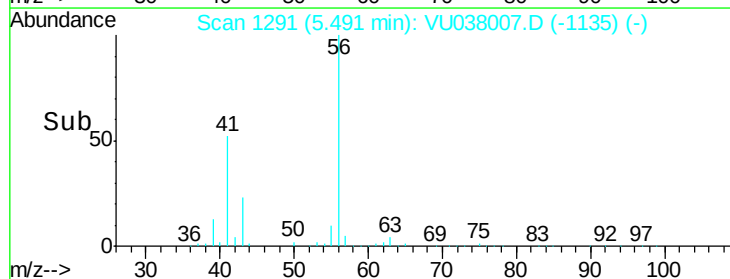
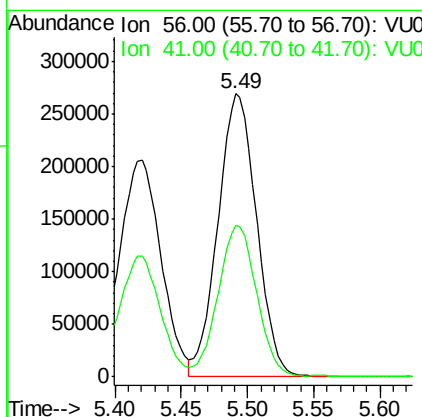
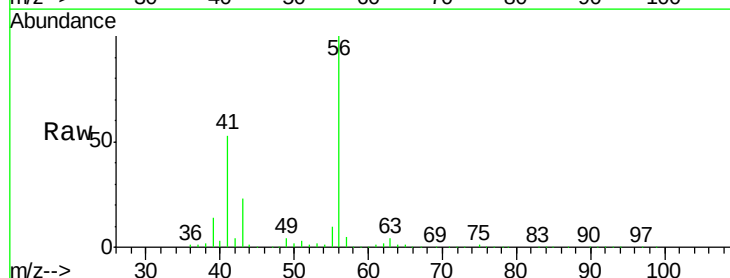
Manual Integrations
APPROVED

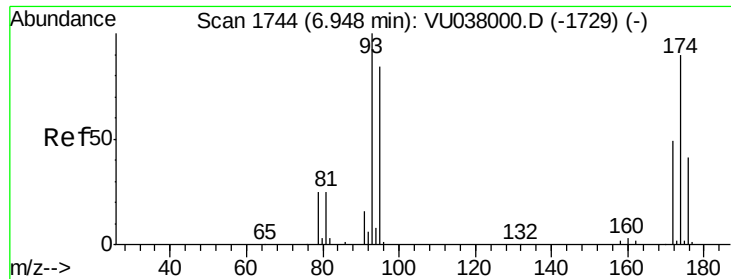
apatel
5/5/2020 11:16:09 AM



#42
1-Chlorobutane
Concen: 10.123 ug/l
RT: 5.49 min Scan# 1291
Delta R.T. 0.00 min
Lab File: VU038007.D
Acq: 04 May 2020 18:11

Tgt Ion	Ratio	Lower	Upper
56	100		
41	53.2	26.8	80.4





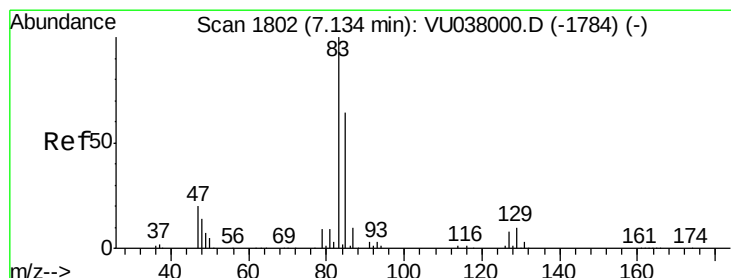
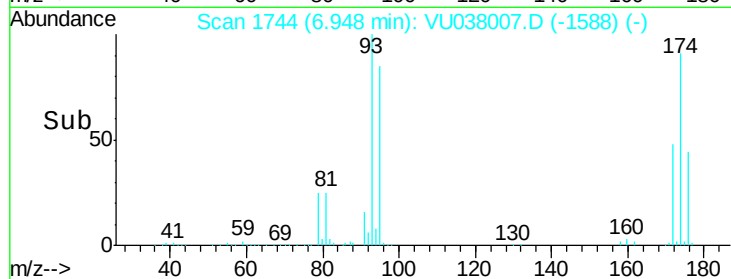
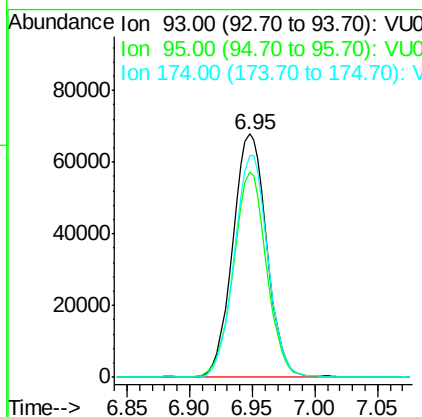
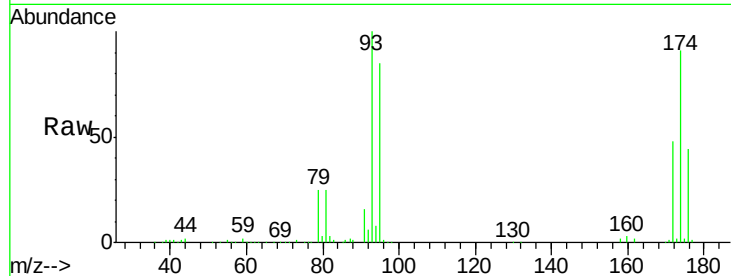
#43
Dibromomethane
Concen: 9.806 ug/l
RT: 6.95 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VU038007.D
Acq: 04 May 2020 18:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
93	100		
95	81.7	66.1	99.1
174	90.0	72.8	109.2

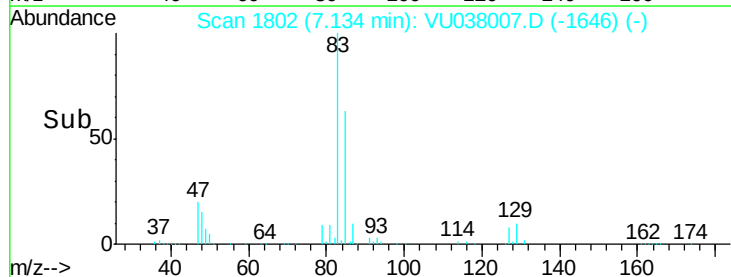
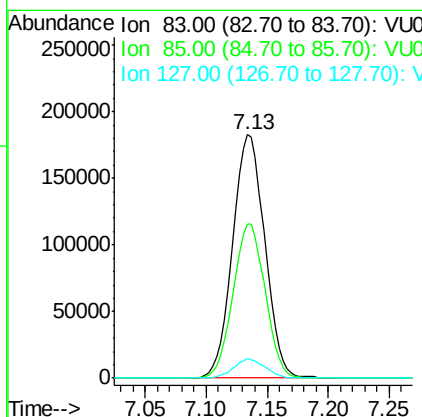
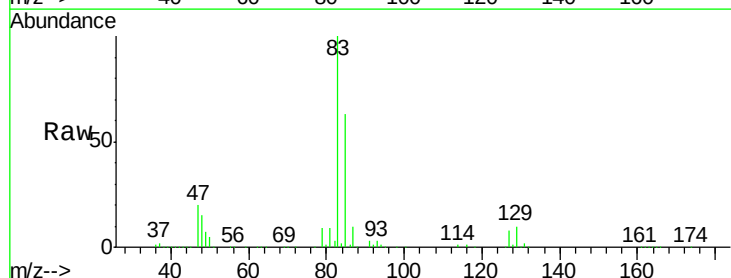
Manual Integrations
APPROVED

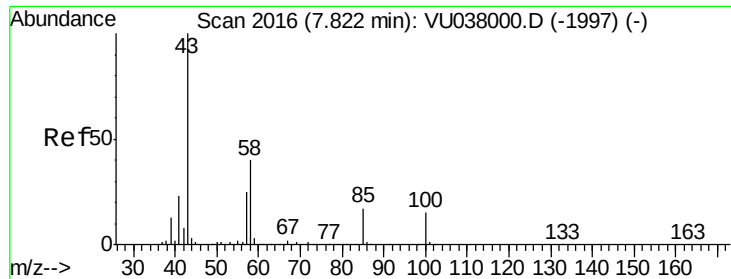
apatel
5/5/2020 11:16:09 AM



#44
Bromodichloromethane
Concen: 10.196 ug/l
RT: 7.13 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VU038007.D
Acq: 04 May 2020 18:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.4	77.0
127	7.8	6.2	9.2





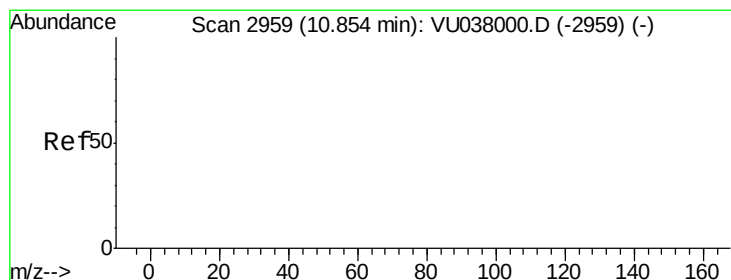
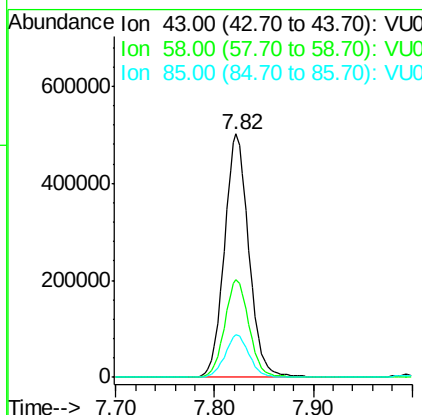
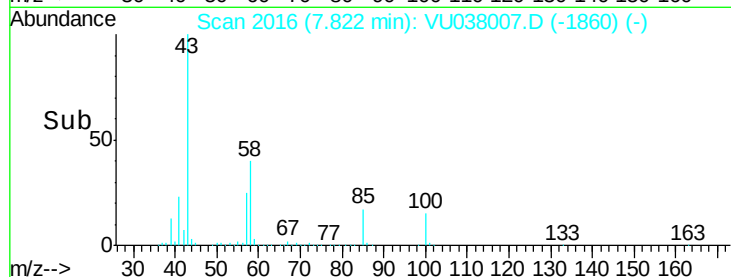
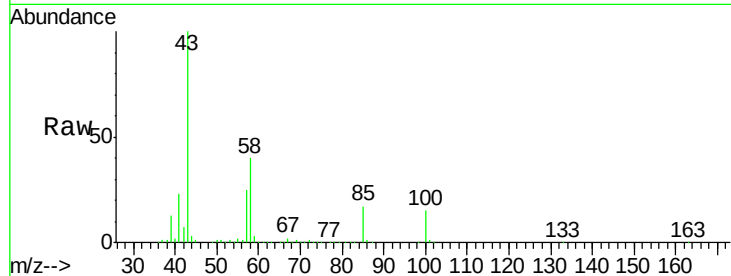
#45
4-Methyl-2-Pentanone
Concen: 49.074 ug/l
RT: 7.82 min Scan# 2016
Delta R.T. -0.00 min
Lab File: VU038007.D
Acq: 04 May 2020 18:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion:	43	Resp:	870564
Ion	Ratio	Lower	Upper
43	100		
58	40.2	20.1	60.3
85	17.3	13.7	20.5

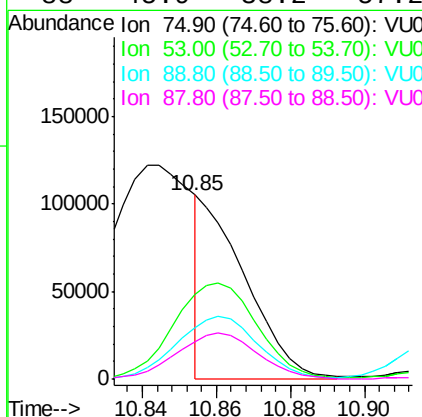
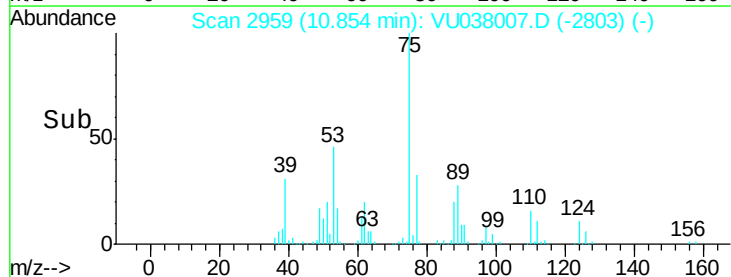
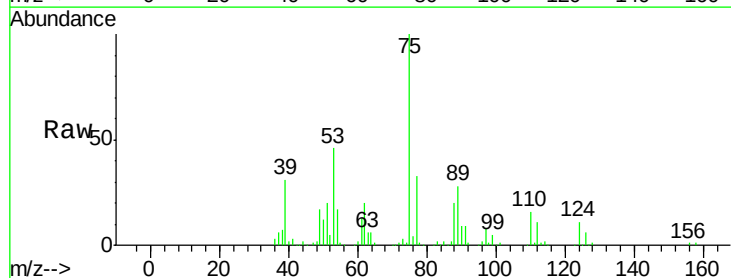
Manual Integrations
APPROVED

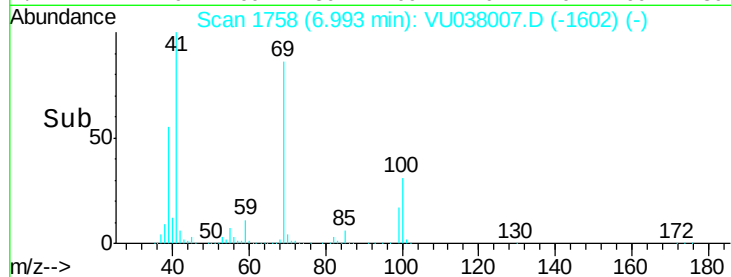
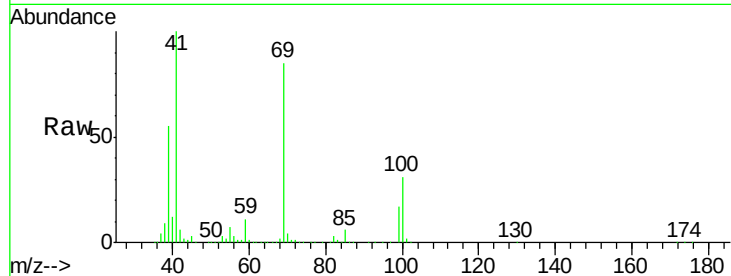
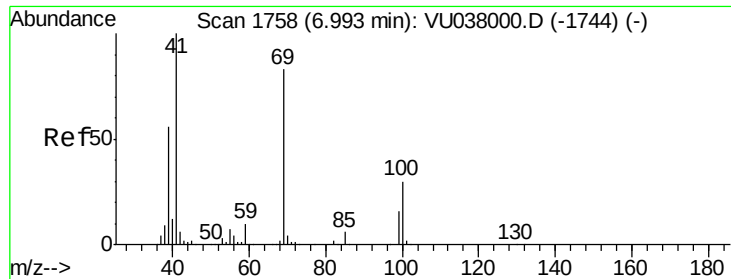
apatel
5/5/2020 11:16:09 AM



#46
t-1,4-Dichloro-2-butene
Concen: 15.862 ug/l m
RT: 10.85 min Scan# 2959
Delta R.T. -0.00 min
Lab File: VU038007.D
Acq: 04 May 2020 18:11

Tgt Ion:	75	Resp:	87009
Ion	Ratio	Lower	Upper
75	100		
53	99.4	81.1	121.7
89	63.7	53.2	79.8
88	45.9	38.2	57.2





#47

Methyl methacrylate

Concen: 20.309 ug/l

RT: 6.99 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VU038007.D

Acq: 04 May 2020 18:11

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	118.5	0.0	241.6		
39	65.8	52.9	79.3		
100	36.1	29.1	43.7		

Instrument :

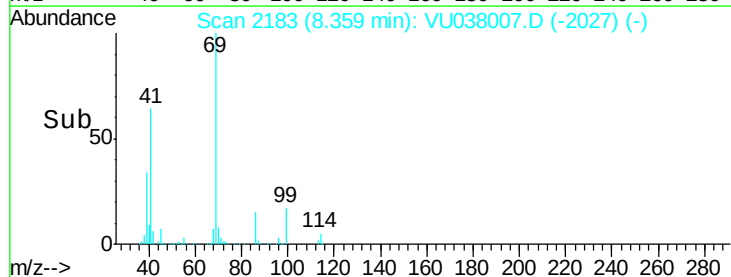
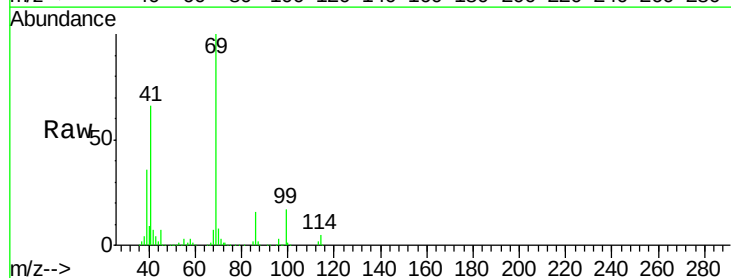
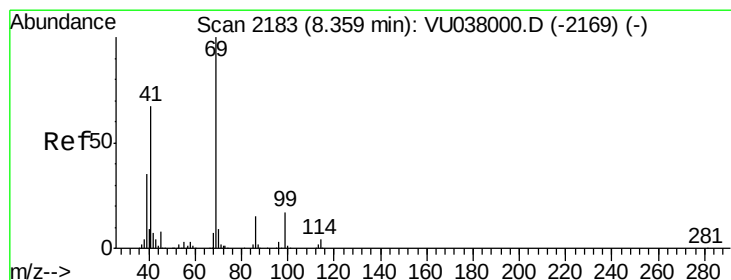
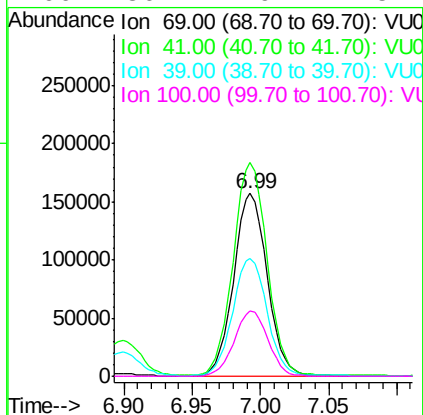
MSVOA_U

ClientSampleId :

VSTDCCC010EC

Manual Integrations
APPROVED

apatel
5/5/2020 11:16:09 AM



#48

Ethyl methacrylate

Concen: 10.149 ug/l

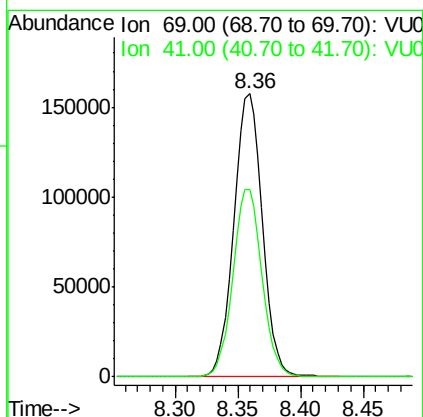
RT: 8.36 min Scan# 2183

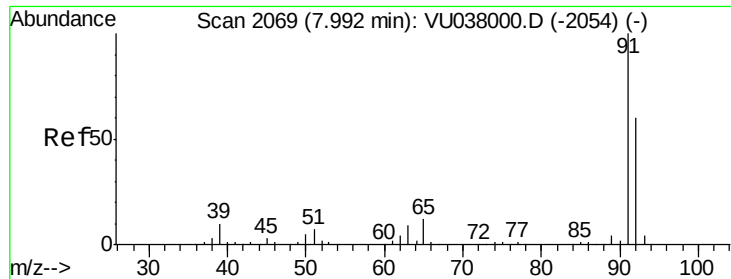
Delta R.T. 0.00 min

Lab File: VU038007.D

Acq: 04 May 2020 18:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	67.4	33.6	100.8		





#49

Toluene

Concen: 10.174 ug/l

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU038007.D

Acq: 04 May 2020 18:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 92 Resp: 667949

Ion Ratio Lower Upper

92 100

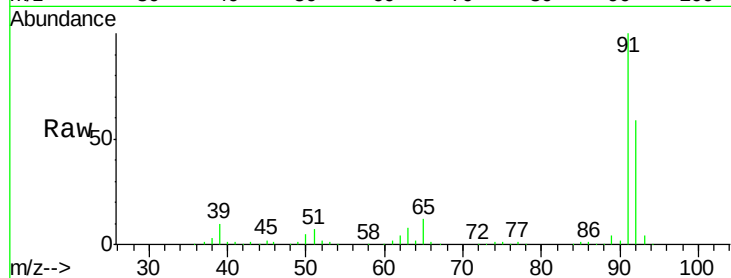
91 169.2 134.4 201.6

Manual Integrations

APPROVED

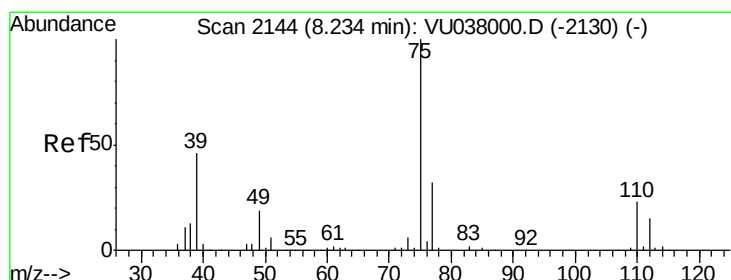
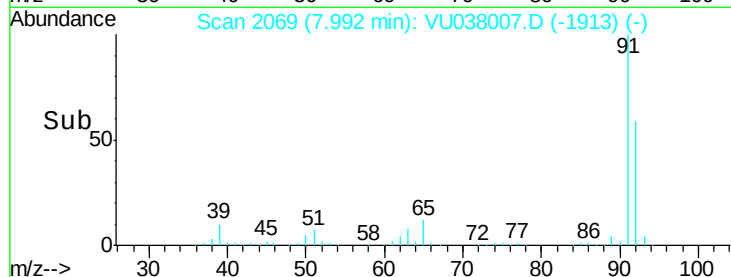
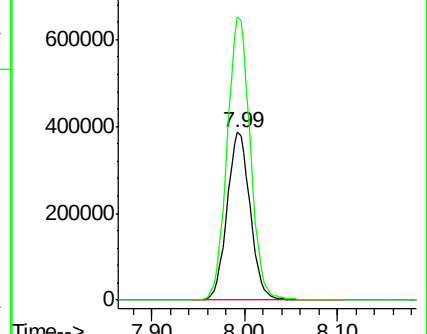
apatel

5/5/2020 11:16:09 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: 9.841 ug/l

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU038007.D

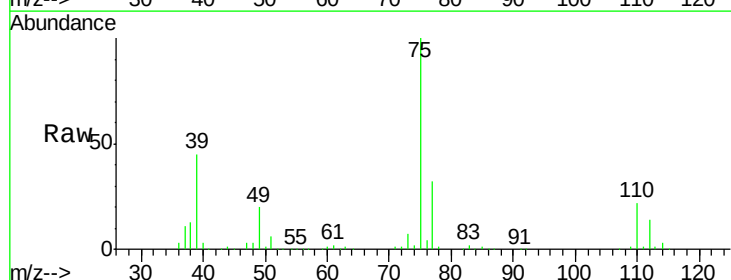
Acq: 04 May 2020 18:11

Tgt Ion: 75 Resp: 328712

Ion Ratio Lower Upper

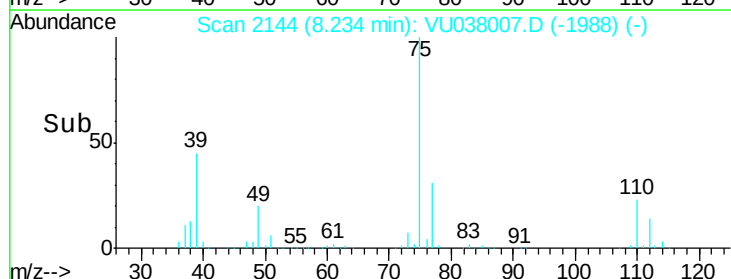
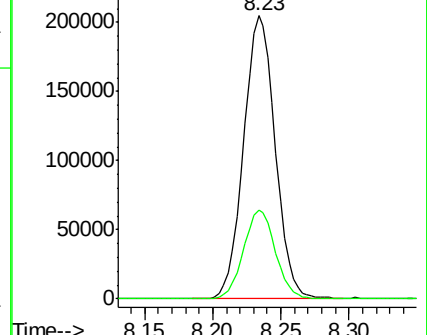
75 100

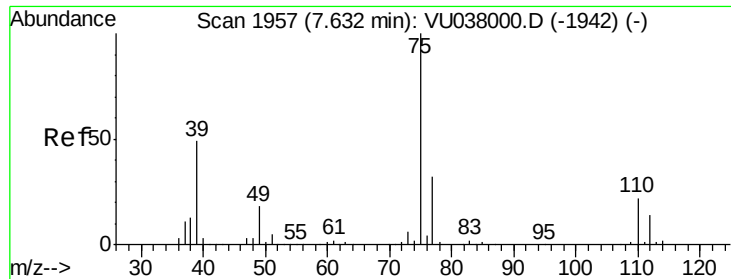
77 31.5 25.8 38.8



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

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





#51

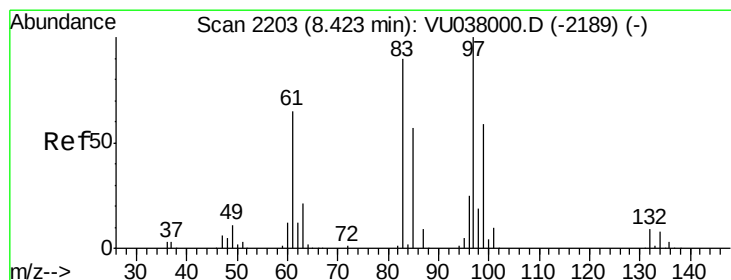
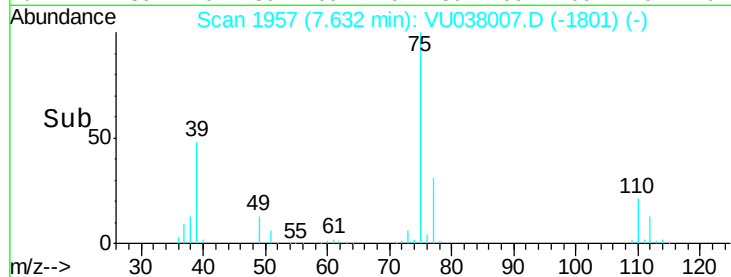
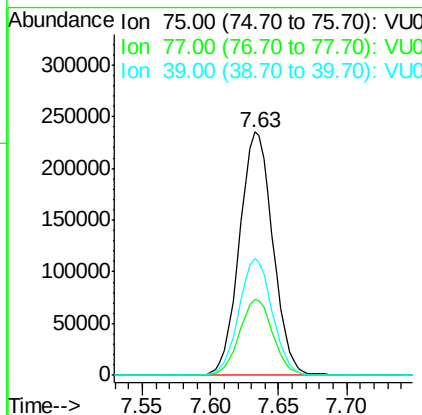
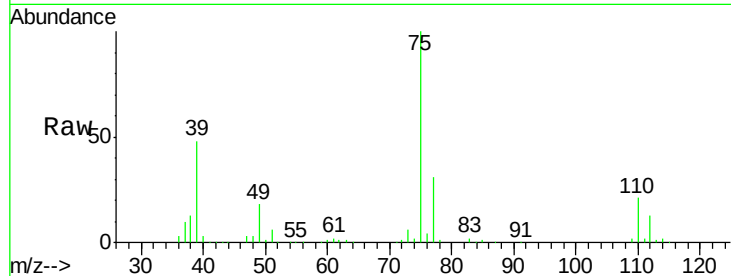
cis-1,3-Dichloropropene
Concen: 9.963 ug/l
RT: 7.63 min Scan# 1957
Delta R.T. -0.00 min
Lab File: VU038007.D
Acq: 04 May 2020 18:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.5	38.3
39	48.1	39.0	58.4

Manual Integrations
APPROVED

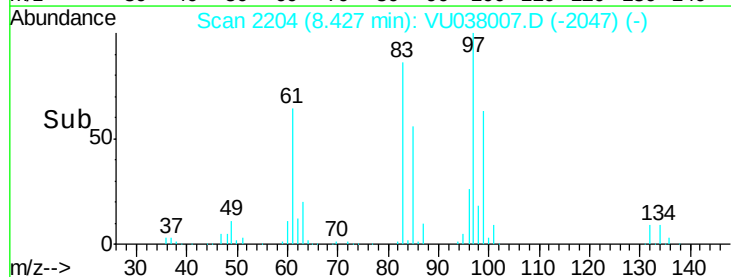
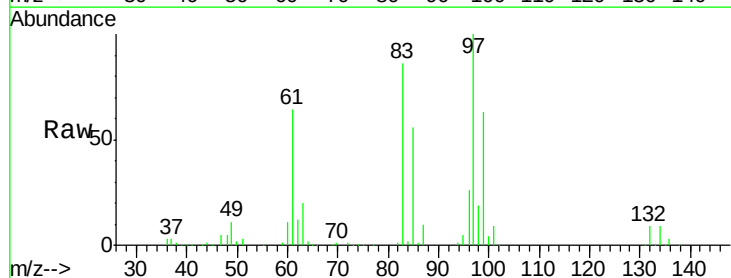
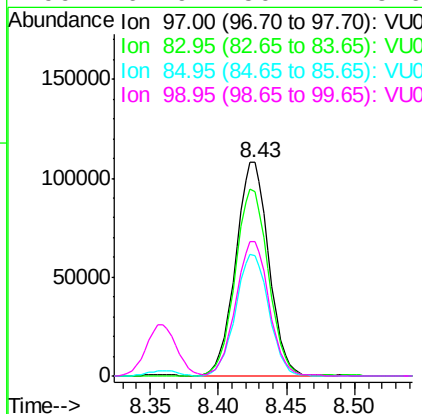
apatel
5/5/2020 11:16:09 AM

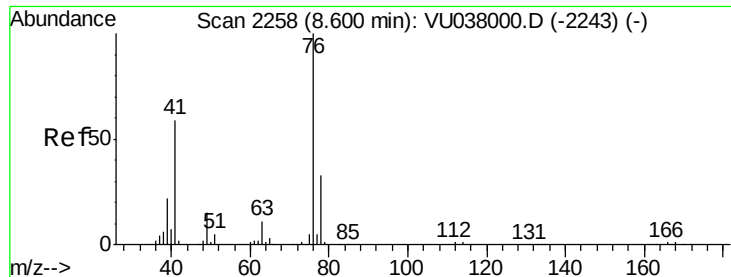


#52

1,1,2-Trichloroethane
Concen: 9.920 ug/l
RT: 8.43 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VU038007.D
Acq: 04 May 2020 18:11

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.1	72.4	108.6
85	56.2	46.0	69.0
99	62.9	50.4	75.6





#53

1,3-Dichloropropane

Concen: 10.030 ug/l

RT: 8.60 min Scan# 2258

Delta R.T. 0.00 min

Lab File: VU038007.D

Acq: 04 May 2020 18:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 347059

Ion Ratio Lower Upper

76 100

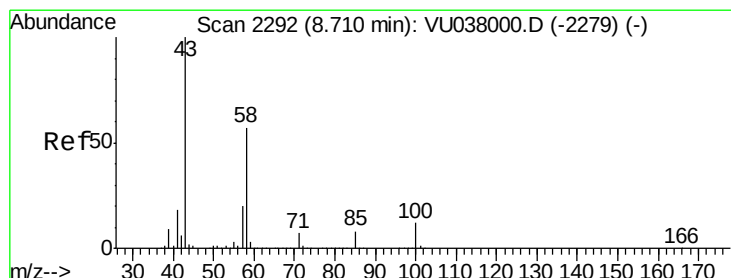
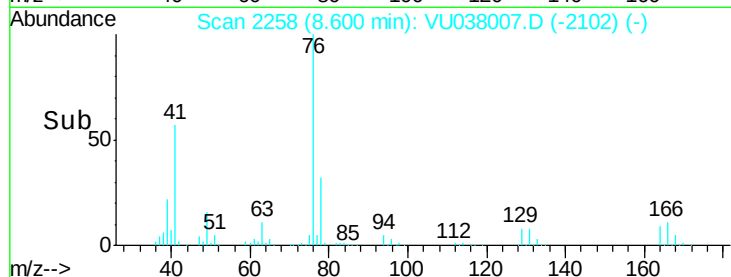
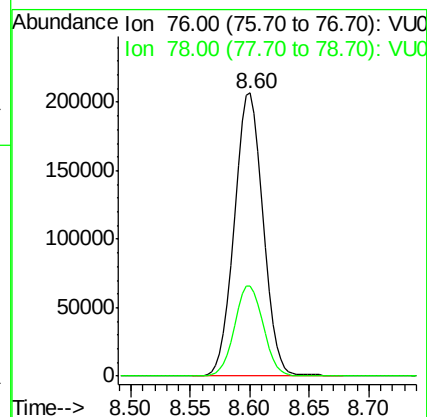
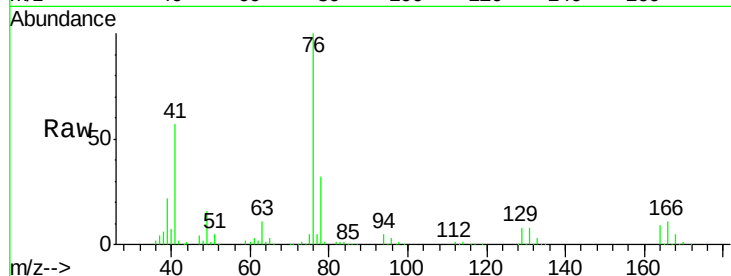
78 32.0 25.8 38.6

Manual Integrations

APPROVED

apatel

5/5/2020 11:16:09 AM



#54

2-Hexanone

Concen: 47.980 ug/l

RT: 8.71 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VU038007.D

Acq: 04 May 2020 18:11

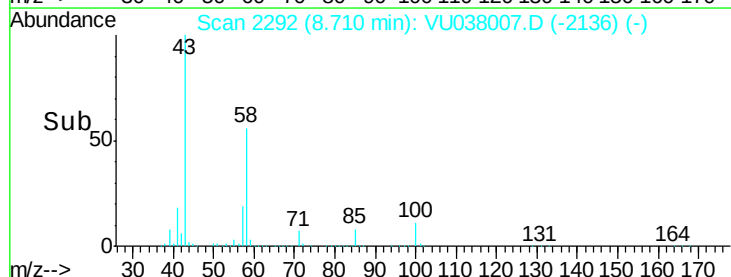
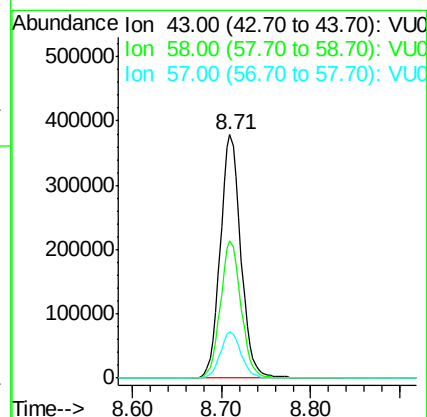
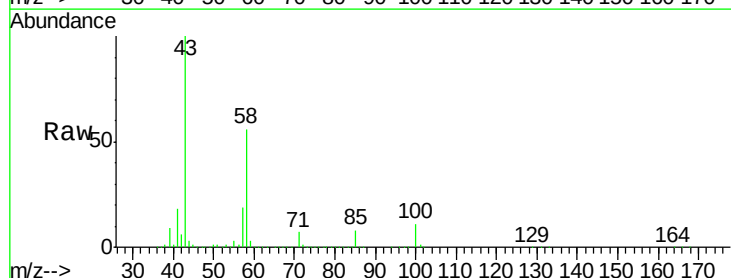
Tgt Ion: 43 Resp: 600786

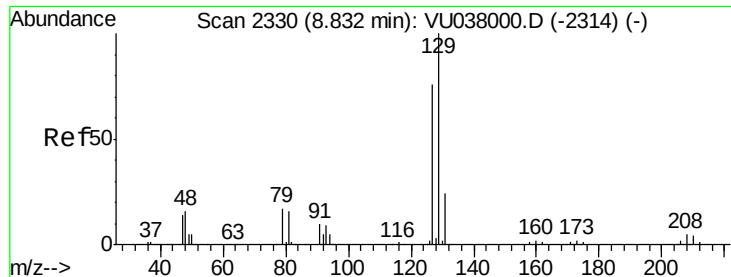
Ion Ratio Lower Upper

43 100

58 56.6 36.5 76.5

57 19.2 0.0 39.5





#55

Dibromochloromethane

Concen: 10.185 ug/l

RT: 8.83 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VU038007.D

Acq: 04 May 2020 18:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:129 Resp: 208014

Ion Ratio Lower Upper

129 100

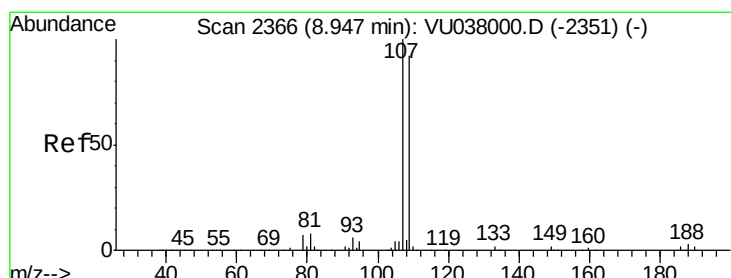
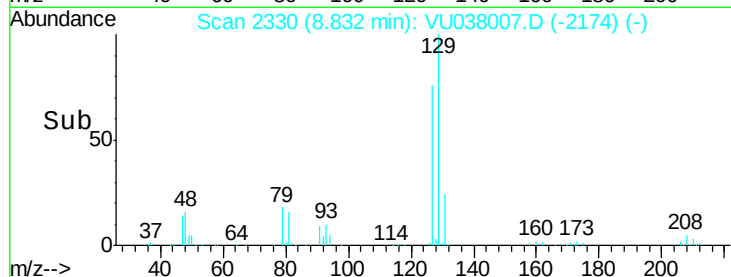
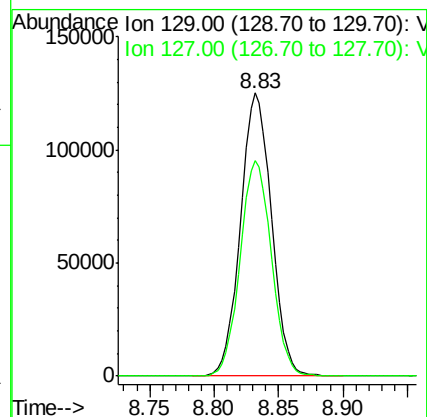
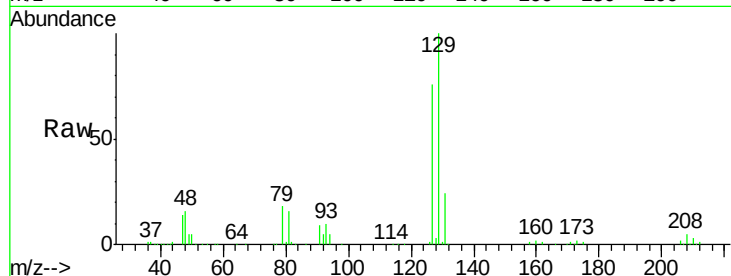
127 77.3 62.2 93.2

Manual Integrations

APPROVED

apatel

5/5/2020 11:16:09 AM



#56

1,2-Dibromoethane

Concen: 9.696 ug/l

RT: 8.95 min Scan# 2366

Delta R.T. 0.00 min

Lab File: VU038007.D

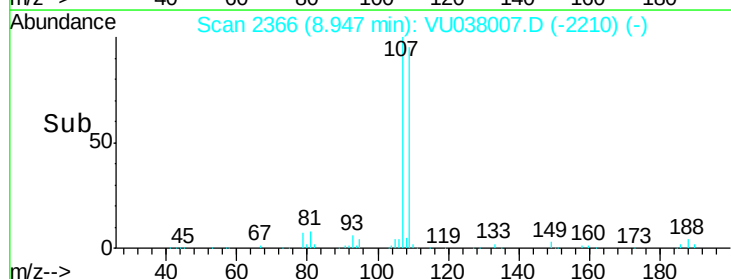
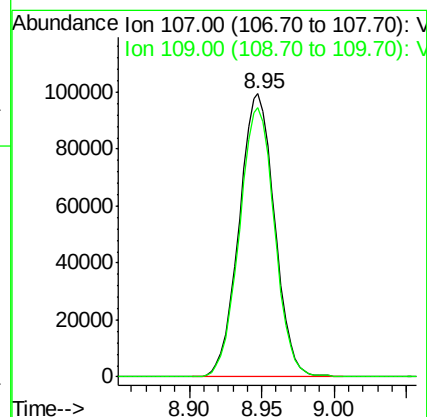
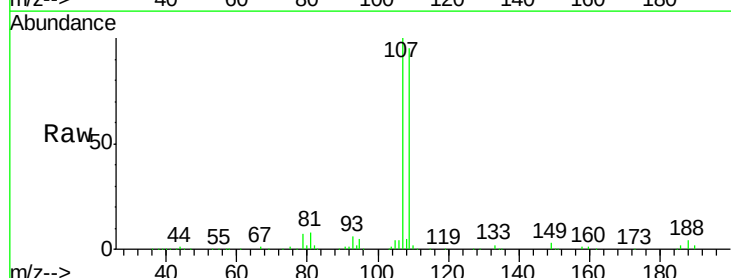
Acq: 04 May 2020 18:11

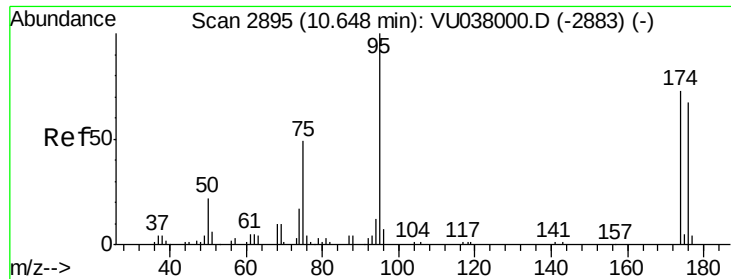
Tgt Ion:107 Resp: 168579

Ion Ratio Lower Upper

107 100

109 94.8 0.0 184.6





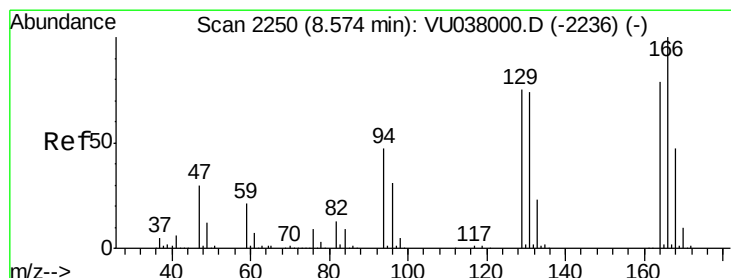
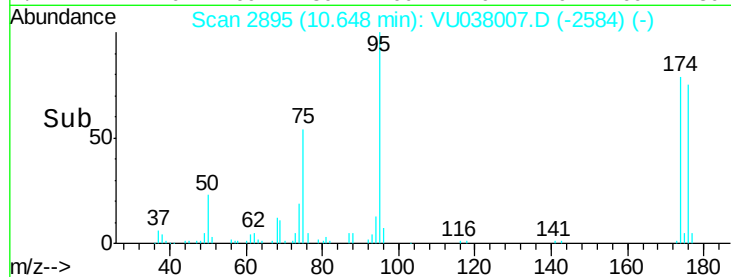
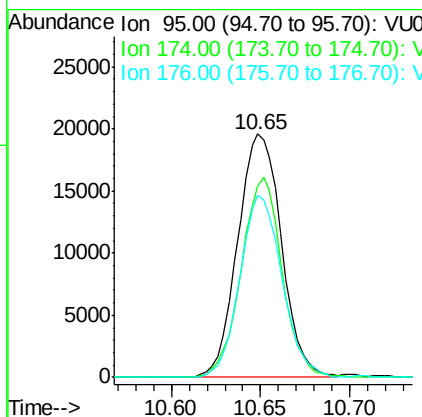
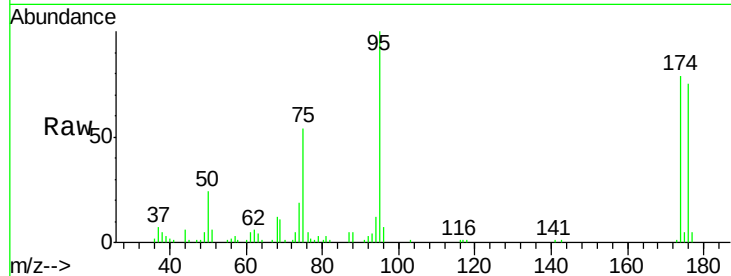
#57
 4-Bromofluorobenzene
 Concen: 0.980 ug/l
 RT: 10.65 min Scan# 2895
 Delta R.T. 0.00 min
 Lab File: VU038007.D
 Acq: 04 May 2020 18:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Resp	Lower	Upper
95	100	33463		
174	76.5	61.2	91.8	
176	72.1	57.1	85.7	

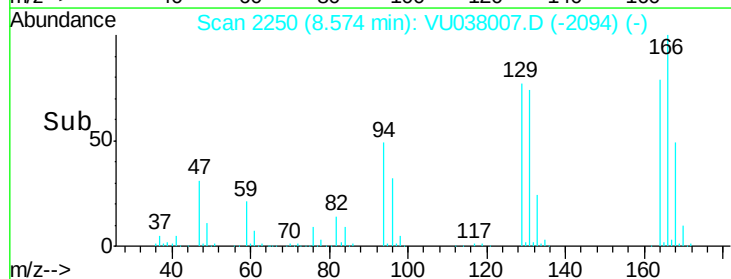
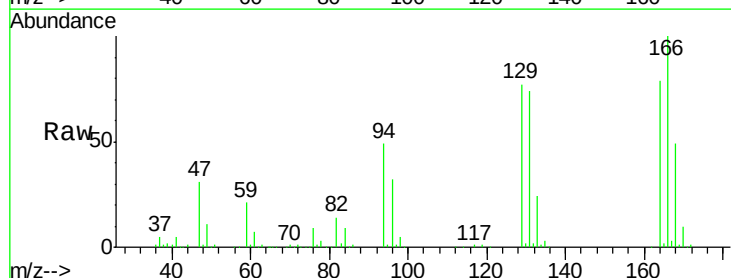
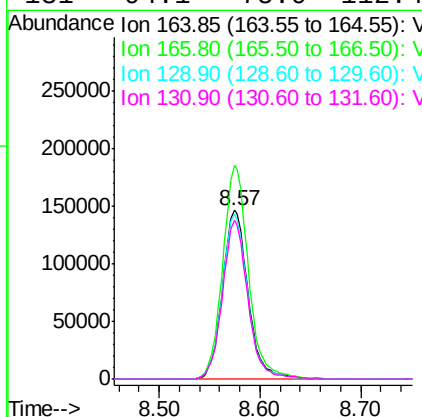
Manual Integrations
 APPROVED

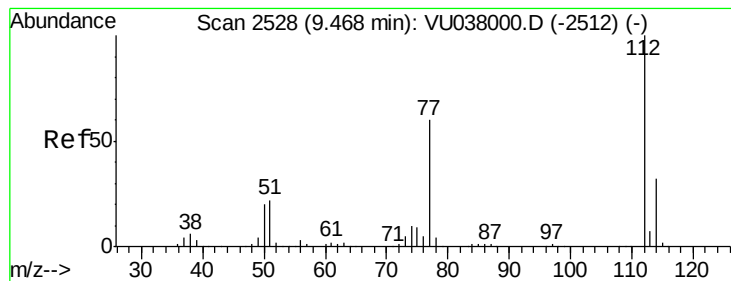
apatel
 5/5/2020 11:16:09 AM



#58
 Tetrachloroethene
 Concen: 10.238 ug/l
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU038007.D
 Acq: 04 May 2020 18:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	260524		
166	126.5	101.5	152.3	
129	97.8	76.6	114.8	
131	94.1	75.0	112.4	





#59

Chlorobenzene

Concen: 10.135 ug/l

RT: 9.47 min Scan# 2528

Delta R.T. 0.00 min

Lab File: VU038007.D

Acq: 04 May 2020 18:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:112 Resp: 706447

Ion Ratio Lower Upper

112 100

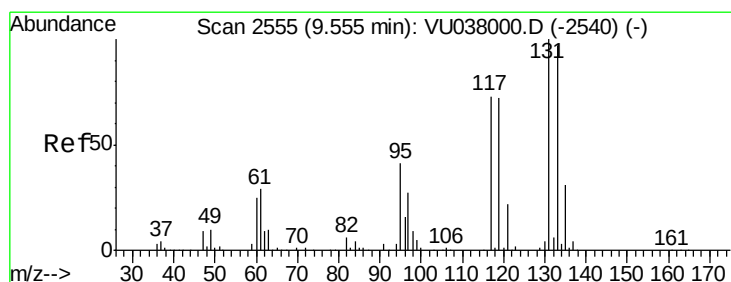
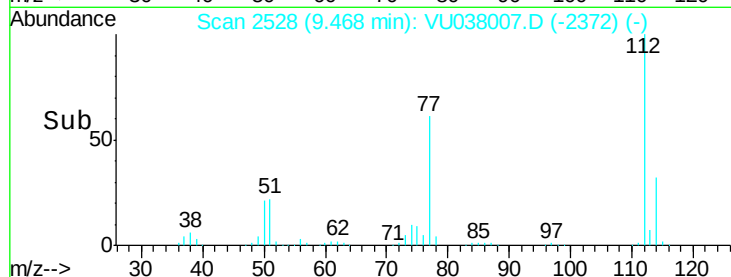
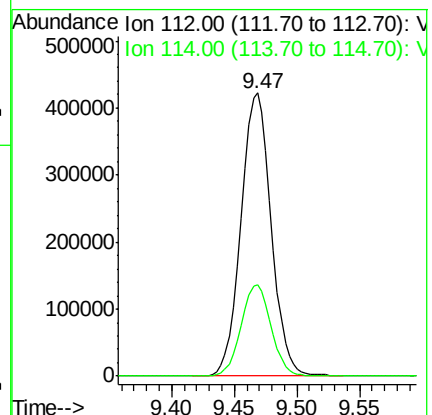
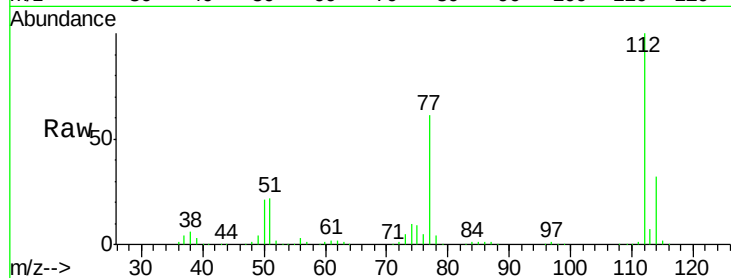
114 32.3 25.7 38.5

Manual Integrations

APPROVED

apatel

5/5/2020 11:16:09 AM



#60

1,1,1,2-Tetrachloroethane

Concen: 10.227 ug/l

RT: 9.56 min Scan# 2555

Delta R.T. -0.00 min

Lab File: VU038007.D

Acq: 04 May 2020 18:11

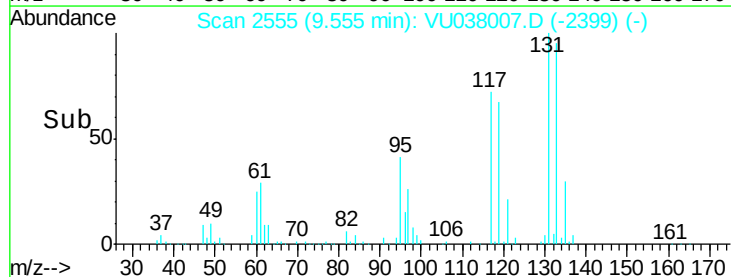
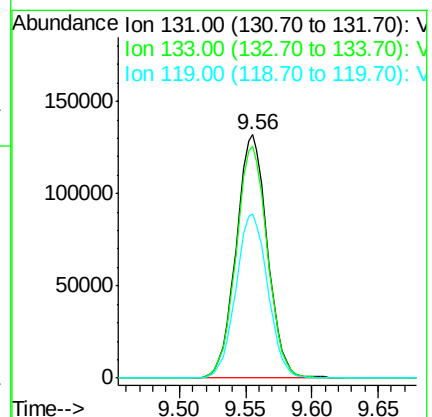
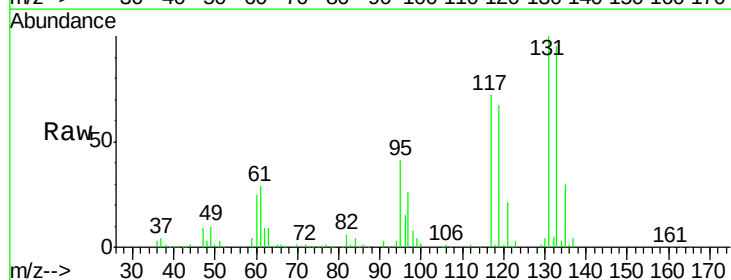
Tgt Ion:131 Resp: 216424

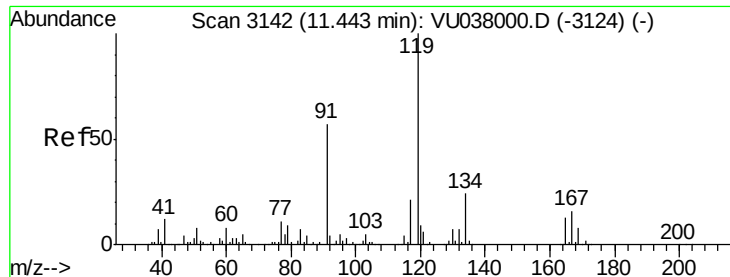
Ion Ratio Lower Upper

131 100

133 95.5 76.8 115.2

119 68.8 56.7 85.1





#61

Pentachloroethane

Concen: 10.091 ug/l

RT: 11.44 min Scan# 3142

Delta R.T. -0.00 min

Lab File: VU038007.D

Acq: 04 May 2020 18:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 159966

Ion Ratio Lower Upper

117 100

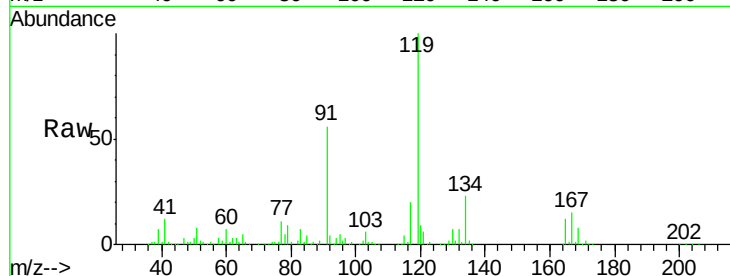
167 74.6 60.3 90.5

Manual Integrations

APPROVED

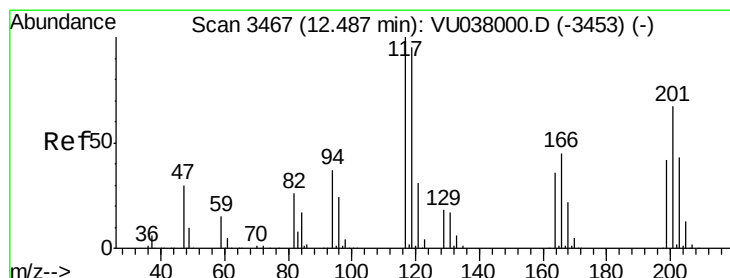
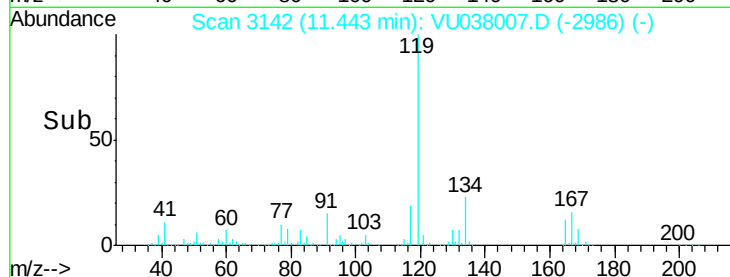
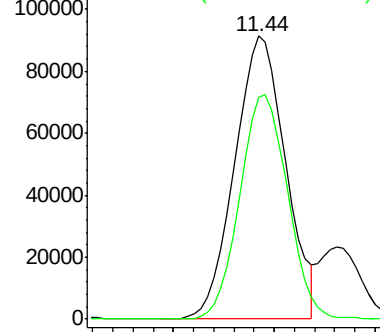
apatel

5/5/2020 11:16:09 AM



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 9.457 ug/l

RT: 12.49 min Scan# 3467

Delta R.T. 0.00 min

Lab File: VU038007.D

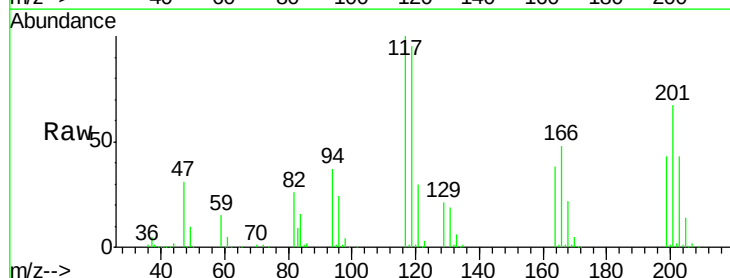
Acq: 04 May 2020 18:11

Tgt Ion:117 Resp: 156031

Ion Ratio Lower Upper

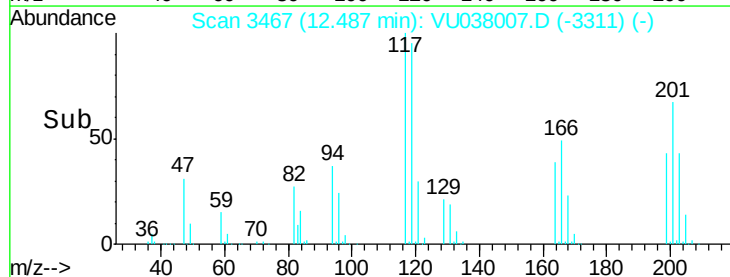
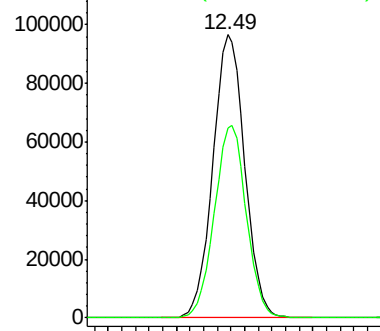
117 100

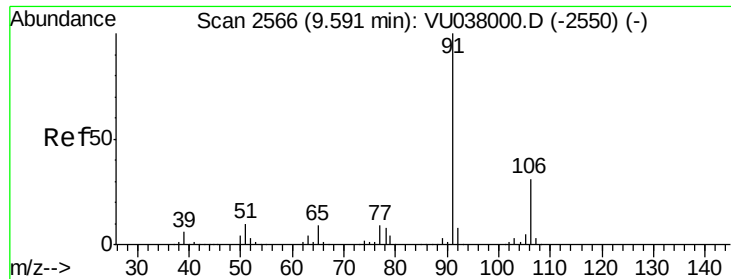
201 68.2 54.7 82.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





#63

Ethyl Benzene

Concen: 10.228 ug/l

RT: 9.59 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VU038007.D

Acq: 04 May 2020 18:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 1268438

Ion Ratio Lower Upper

91 100

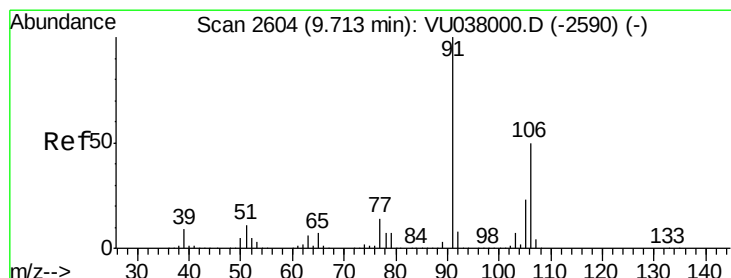
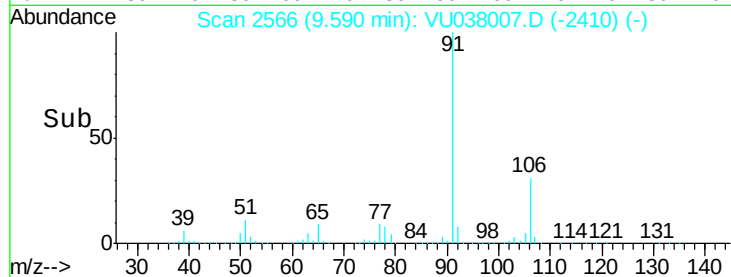
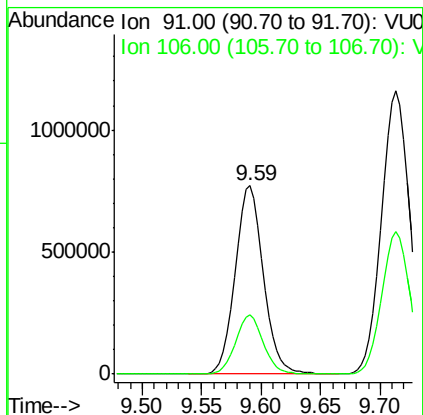
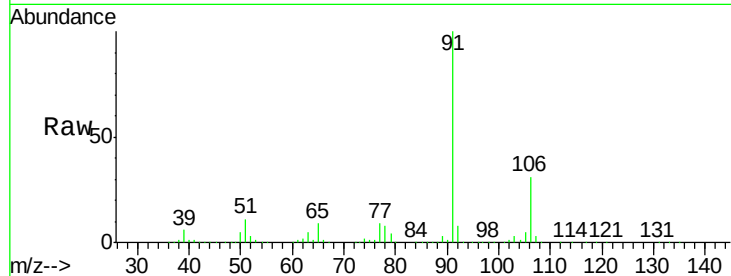
106 31.2 24.9 37.3

Manual Integrations

APPROVED

apatel

5/5/2020 11:16:09 AM



#64

m/p-Xylenes

Concen: 20.597 ug/l

RT: 9.71 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VU038007.D

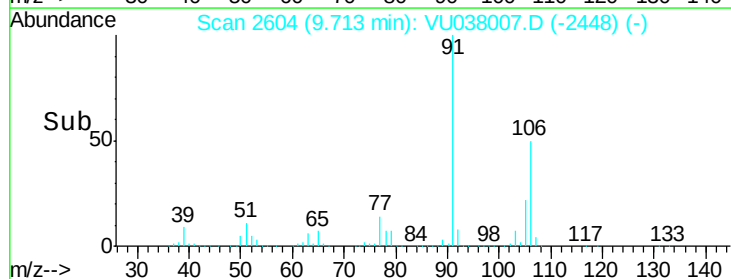
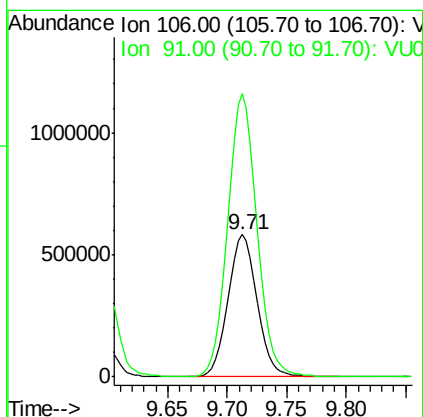
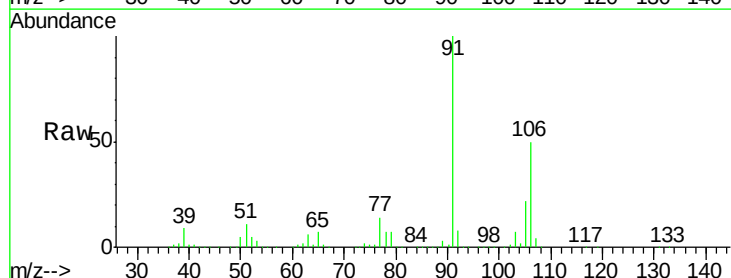
Acq: 04 May 2020 18:11

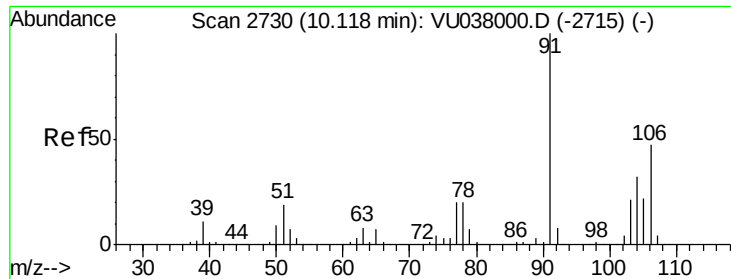
Tgt Ion: 106 Resp: 983133

Ion Ratio Lower Upper

106 100

91 200.5 159.5 239.3





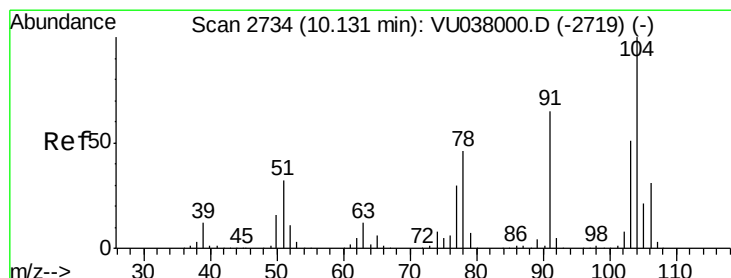
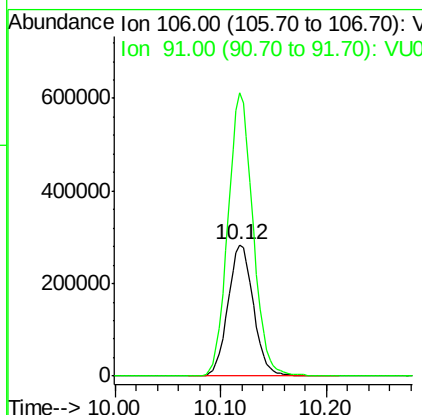
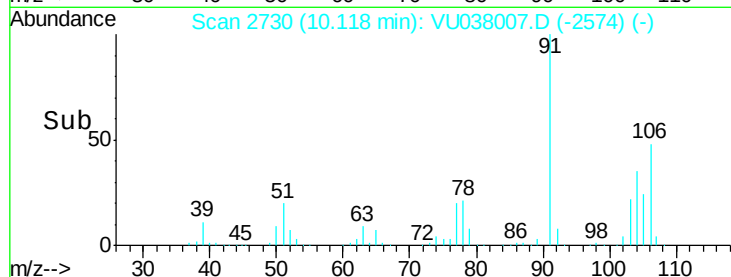
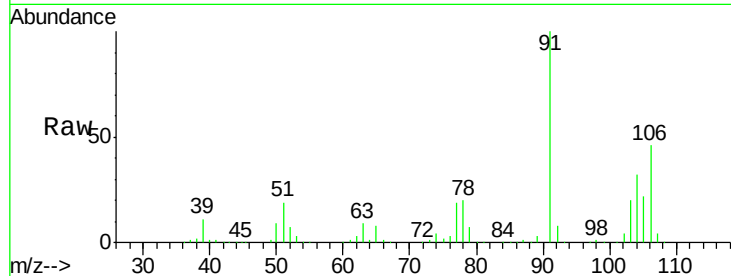
#65
o-Xylene
Concen: 10.154 ug/l
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU038007.D
Acq: 04 May 2020 18:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion:106 Resp: 472430
Ion Ratio Lower Upper
106 100
91 212.6 105.7 317.0

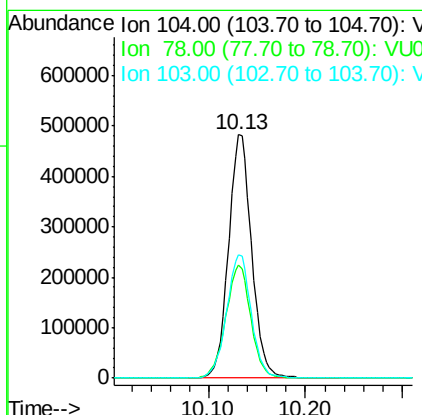
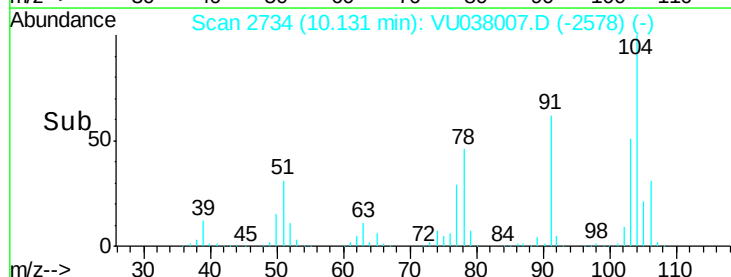
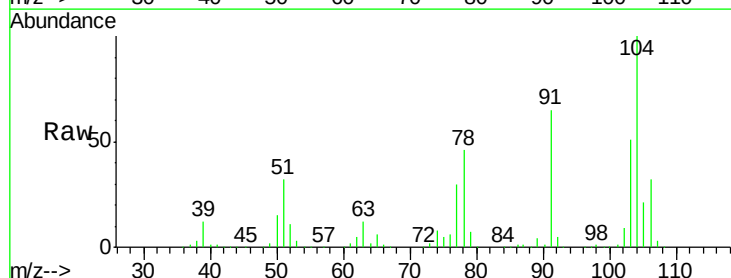
Manual Integrations
APPROVED

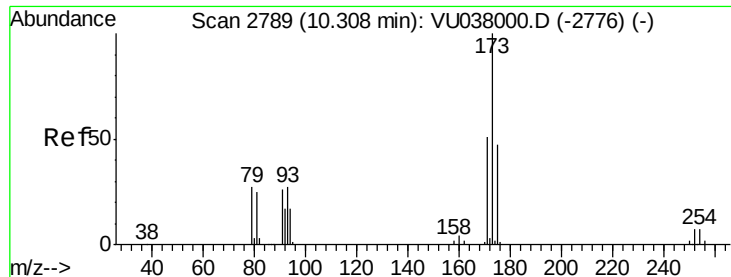
apatel
5/5/2020 11:16:09 AM



#66
Styrene
Concen: 10.447 ug/l
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU038007.D
Acq: 04 May 2020 18:11

Tgt Ion:104 Resp: 800917
Ion Ratio Lower Upper
104 100
78 50.2 39.9 59.9
103 54.1 43.4 65.2





#67

Bromoform

Concen: 10.070 ug/l

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU038007.D

Acq: 04 May 2020 18:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 108175

Ion Ratio Lower Upper

173 100

175 48.2 37.6 56.4

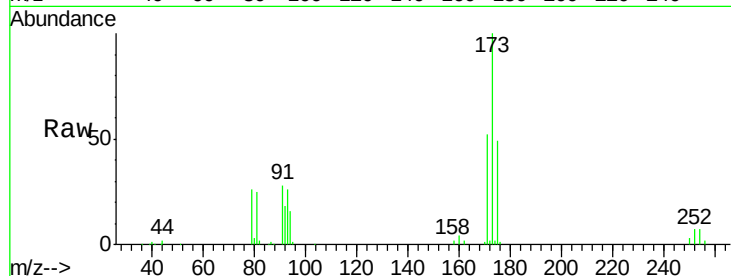
254 7.1 5.5 8.3

Manual Integrations

APPROVED

apatel

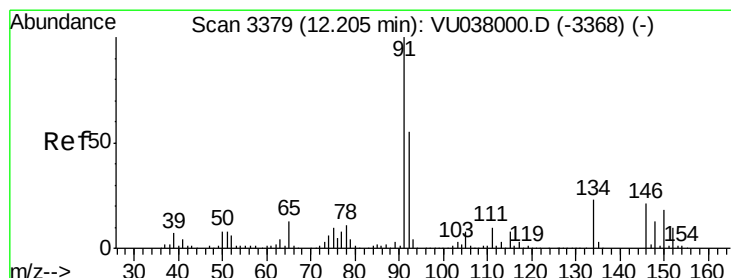
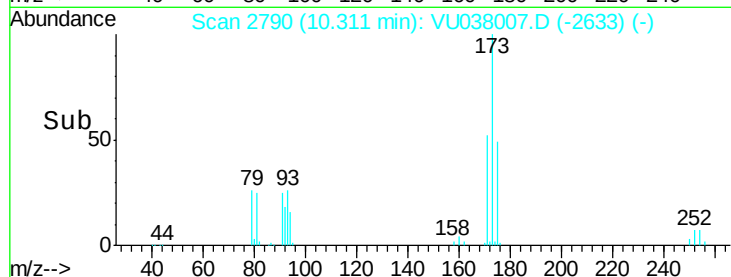
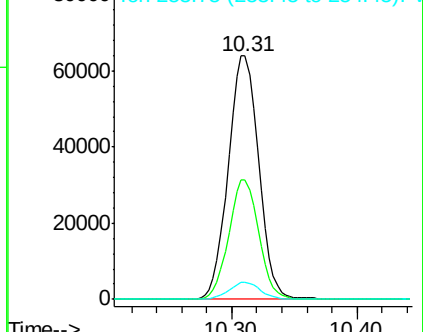
5/5/2020 11:16:09 AM



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 0.998 ug/l

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU038007.D

Acq: 04 May 2020 18:11

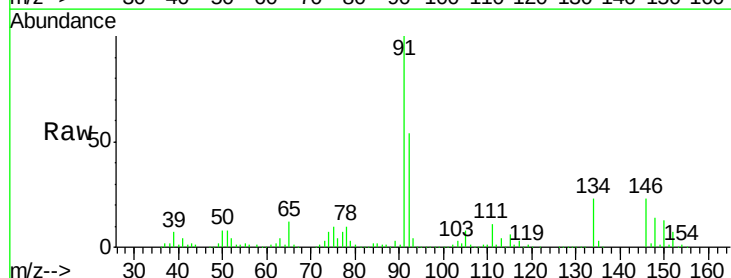
Tgt Ion:152 Resp: 32980

Ion Ratio Lower Upper

152 100

115 127.4 0.0 261.0

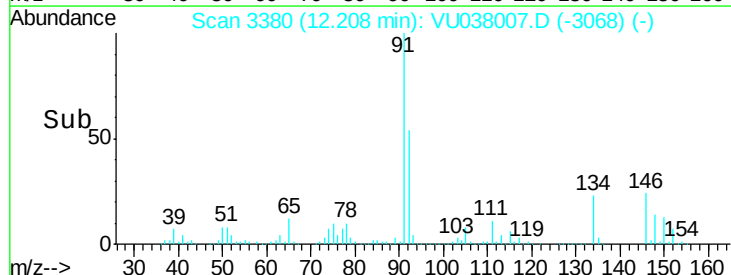
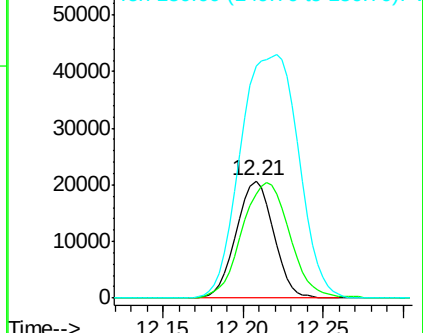
150 325.2 0.0 650.2

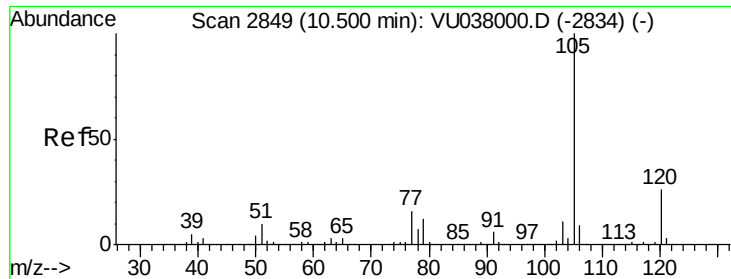


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 10.243 ug/l

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU038007.D

Acq: 04 May 2020 18:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 1244351

Ion Ratio Lower Upper

105 100

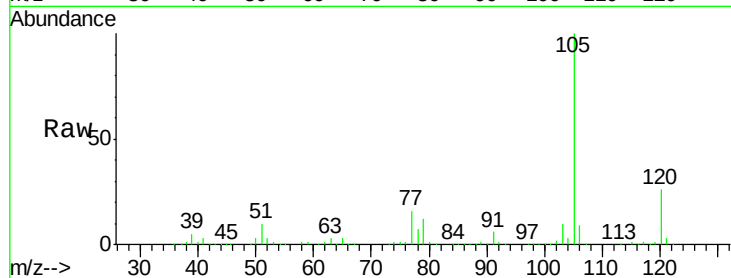
120 26.2 13.1 39.3

Manual Integrations

APPROVED

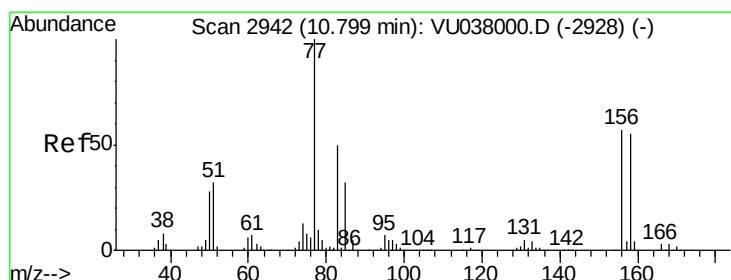
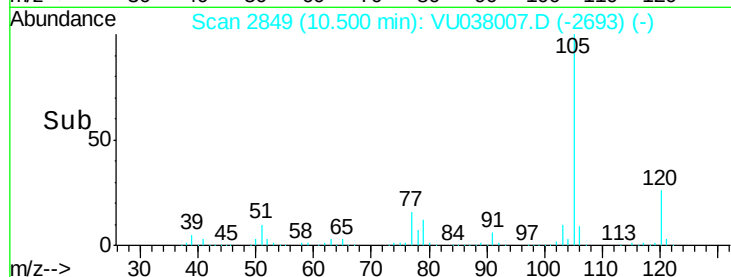
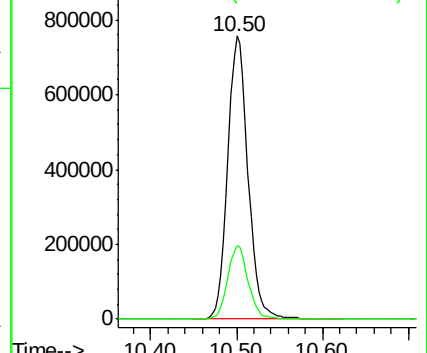
apatel

5/5/2020 11:16:09 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: 9.963 ug/l

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU038007.D

Acq: 04 May 2020 18:11

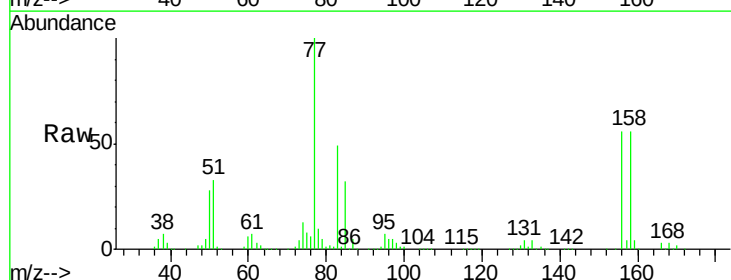
Tgt Ion: 83 Resp: 235318

Ion Ratio Lower Upper

83 100

131 9.1 7.2 10.8

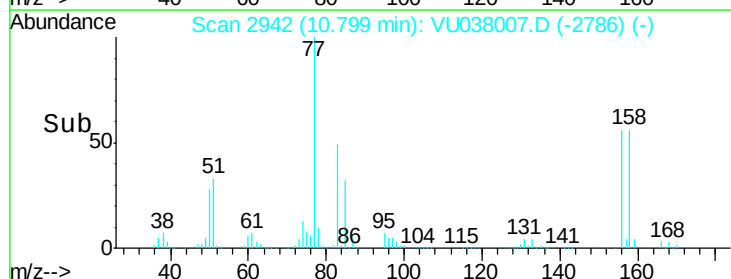
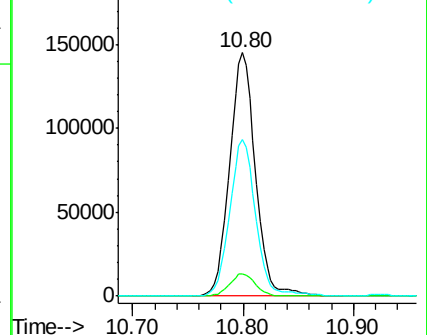
85 65.0 50.0 75.0

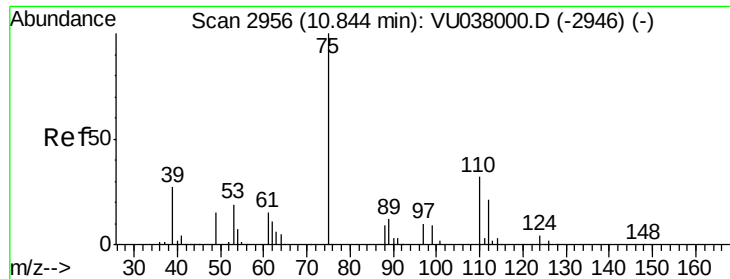


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0





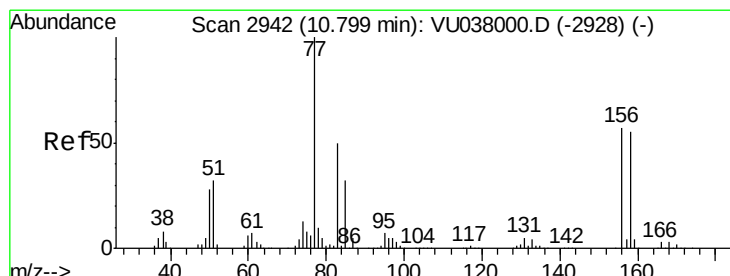
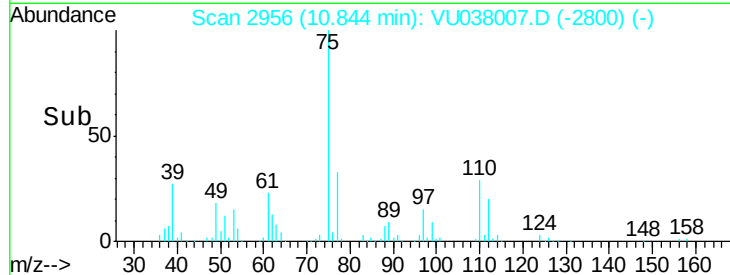
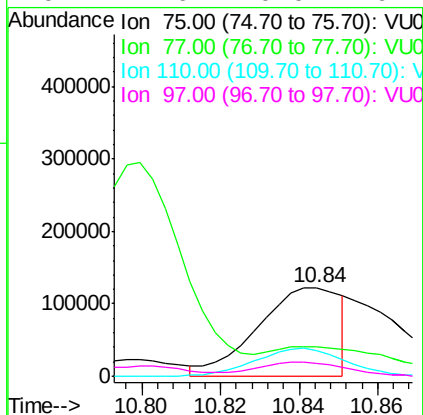
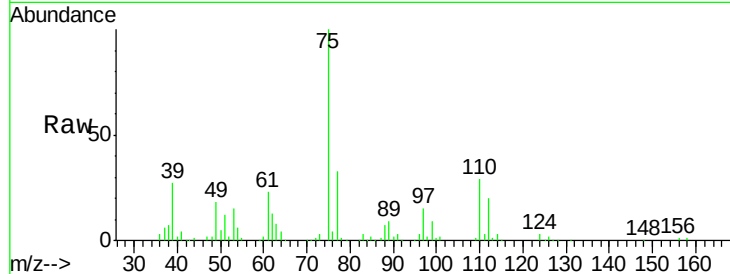
#71
1,2,3-Trichloropropane
Concen: 10.303 ug/l m
RT: 10.84 min Scan# 2956
Delta R.T. 0.00 min
Lab File: VU038007.D
Acq: 04 May 2020 18:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
75	75	100	179961		
77	77	44.6	0.0	108.6	
110	110	34.3	0.0	79.4	
97	97	17.6	0.0	40.4	

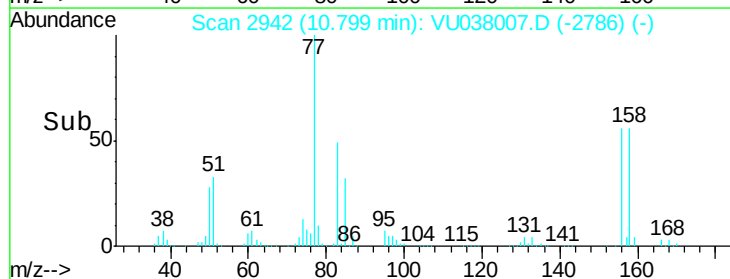
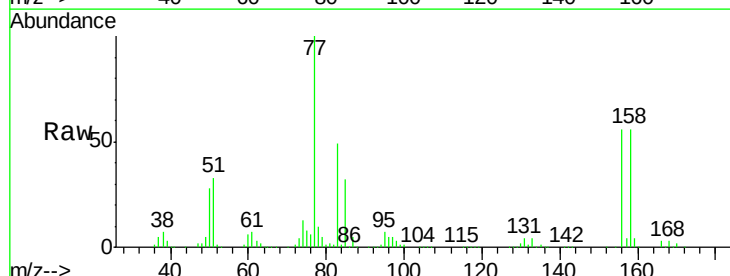
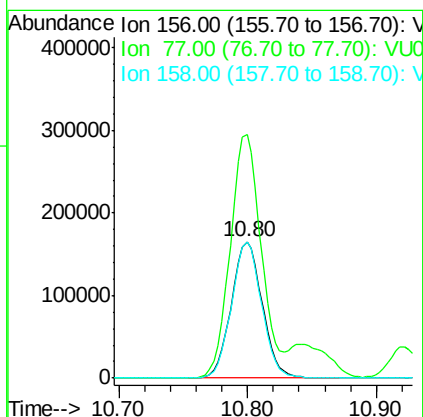
Manual Integrations
APPROVED

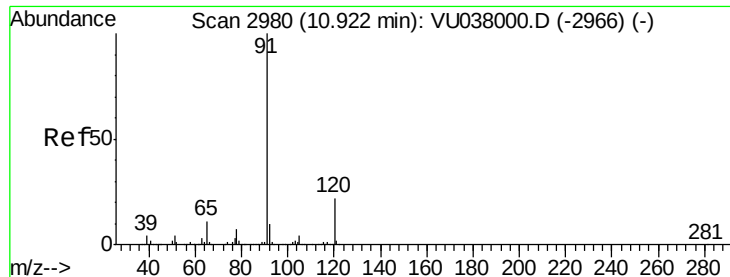
apatel
5/5/2020 11:16:09 AM



#72
Bromobenzene
Concen: 10.106 ug/l
RT: 10.80 min Scan# 2942
Delta R.T. 0.00 min
Lab File: VU038007.D
Acq: 04 May 2020 18:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
156	156	100	274253		
77	77	179.5	0.0	355.6	
158	158	97.8	0.0	194.0	





#73

n-propylbenzene

Concen: 10.400 ug/l

RT: 10.92 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU038007.D

Acq: 04 May 2020 18:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:120 Resp: 346720

Ion Ratio Lower Upper

120 100

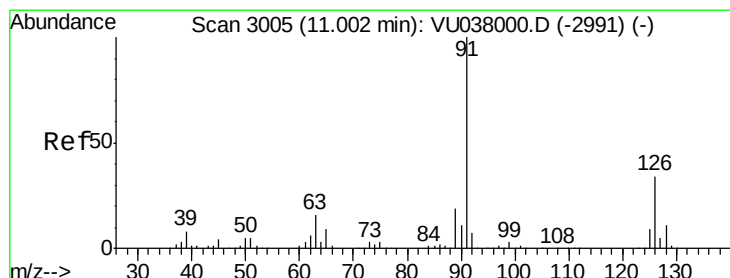
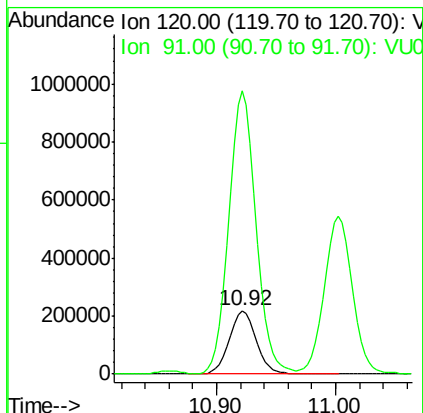
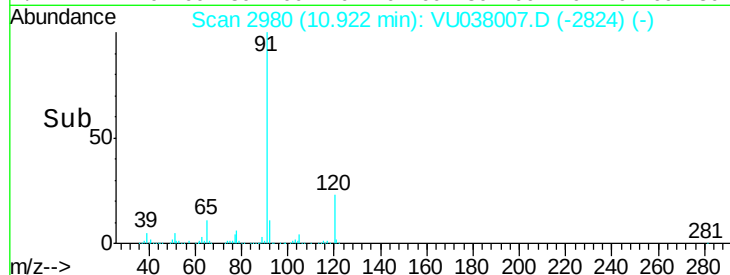
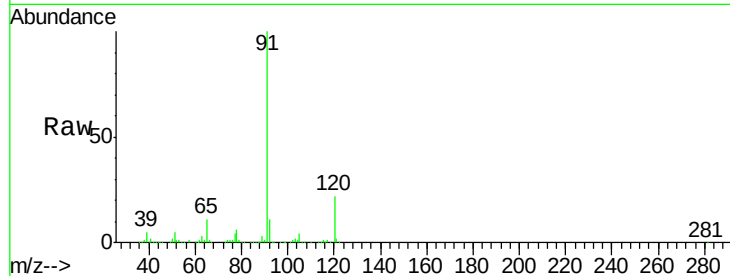
91 443.2 355.4 533.0

Manual Integrations

APPROVED

apatel

5/5/2020 11:16:09 AM



#74

2-Chlorotoluene

Concen: 10.180 ug/l

RT: 11.00 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VU038007.D

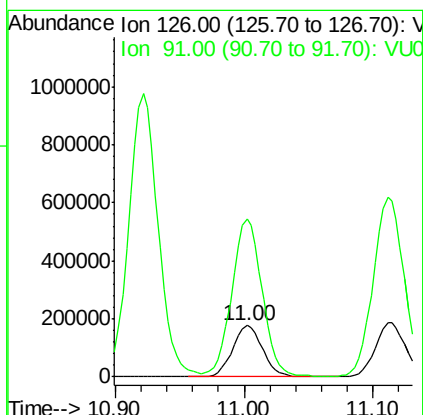
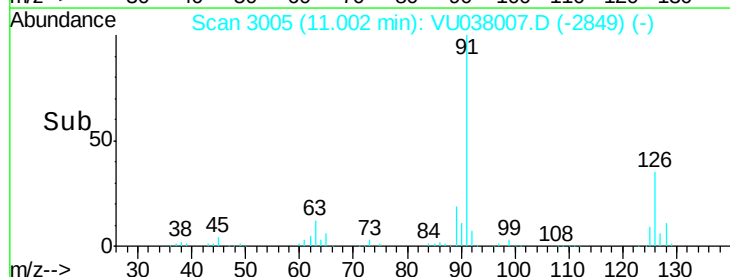
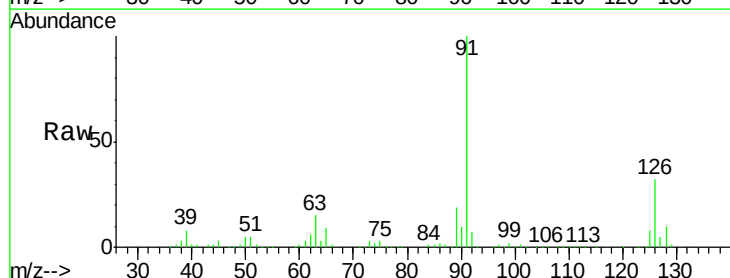
Acq: 04 May 2020 18:11

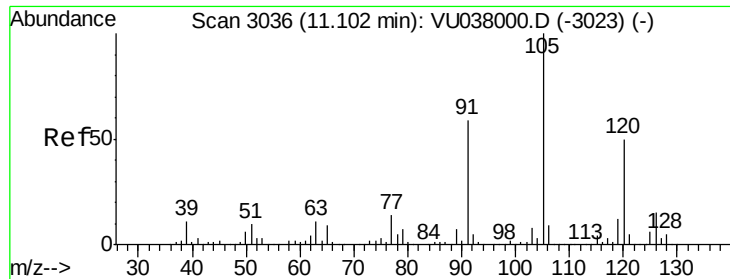
Tgt Ion:126 Resp: 284874

Ion Ratio Lower Upper

126 100

91 311.8 0.0 625.8





#75

1,3,5-Trimethylbenzene

Concen: 10.306 ug/l

RT: 11.10 min Scan# 3036

Delta R.T. 0.00 min

Lab File: VU038007.D

Acq: 04 May 2020 18:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 1036361

Ion Ratio Lower Upper

105 100

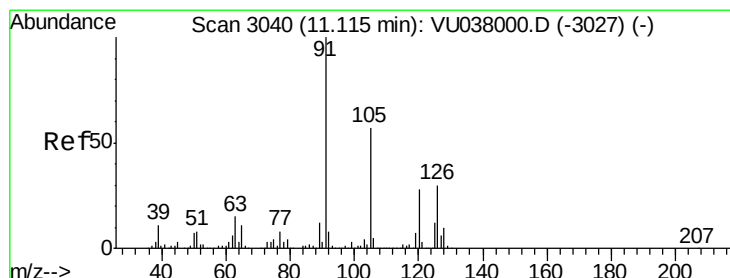
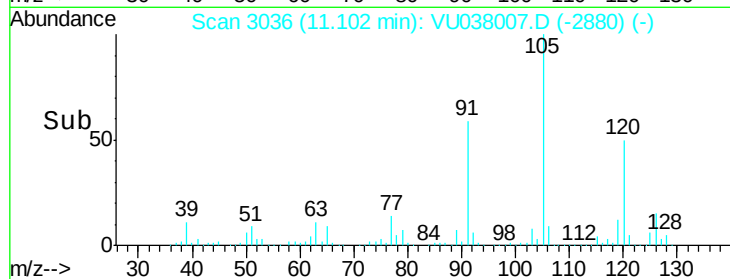
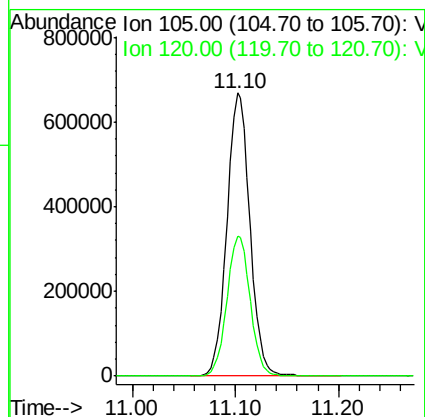
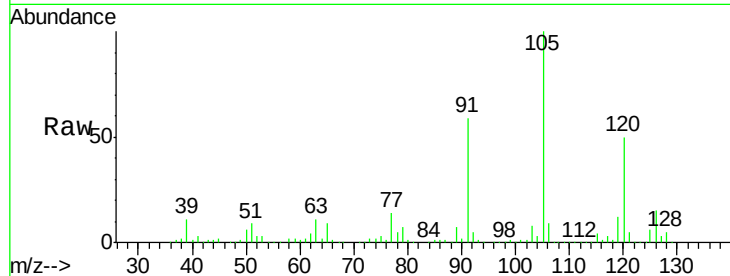
120 50.0 39.8 59.6

Manual Integrations

APPROVED

apatel

5/5/2020 11:16:09 AM



#76

4-Chlorotoluene

Concen: 10.362 ug/l

RT: 11.11 min Scan# 3040

Delta R.T. 0.00 min

Lab File: VU038007.D

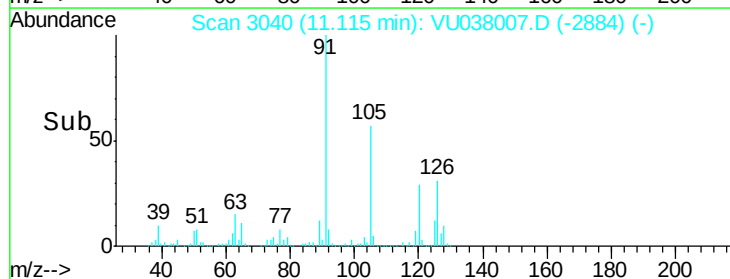
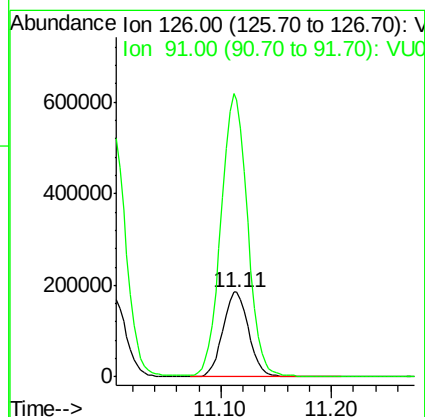
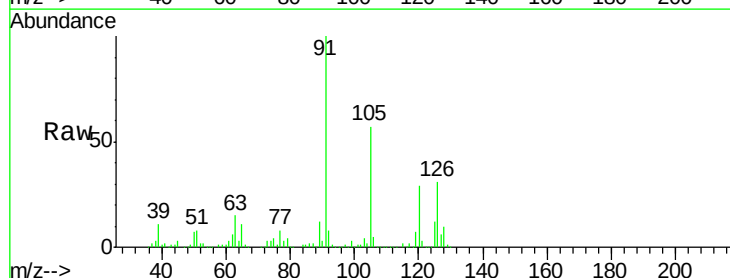
Acq: 04 May 2020 18:11

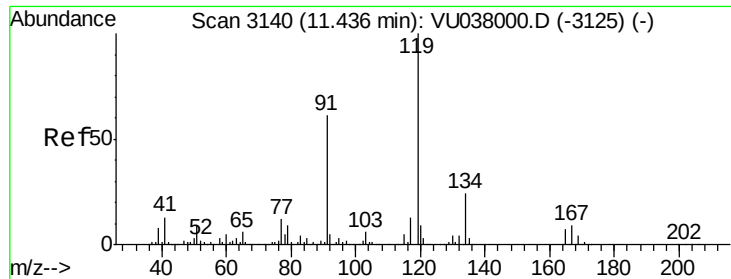
Tgt Ion:126 Resp: 301132

Ion Ratio Lower Upper

126 100

91 342.7 0.0 698.6





#77

tert-Butylbenzene

Concen: 10.281 ug/l

RT: 11.44 min Scan# 3140

Delta R.T. -0.00 min

Lab File: VU038007.D

Acq: 04 May 2020 18:11

Instrument :

MSVOA_U

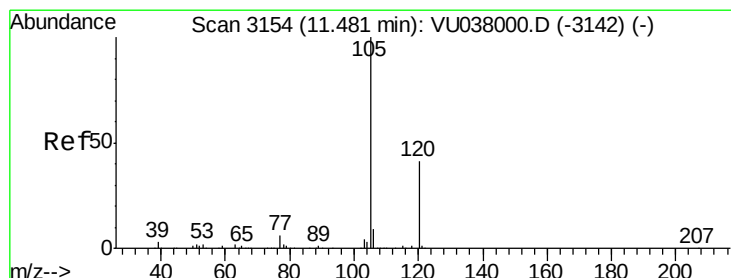
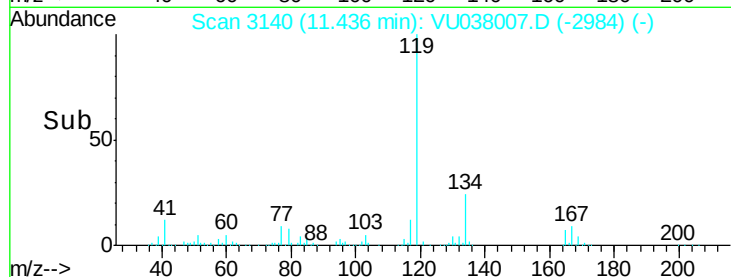
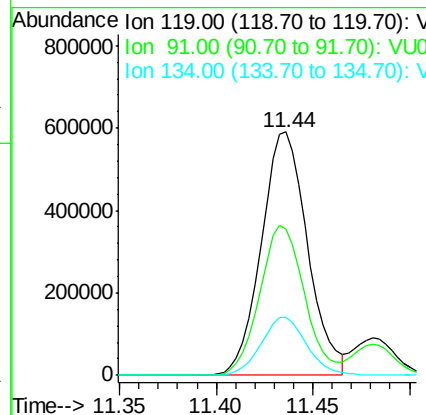
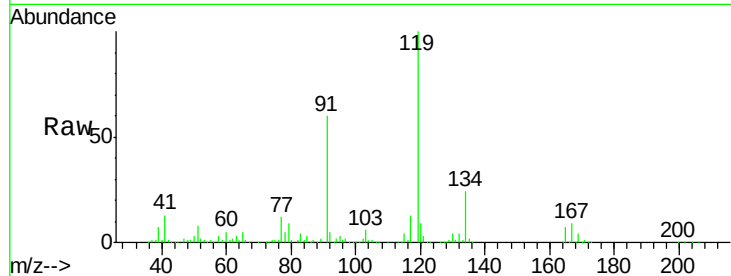
ClientSampleId :

VSTDCCC010EC

Tot Ion:	119	Resp:	984028
Ion Ratio	Lower	Upper	
119	100		
91	59.5	30.1	90.5
134	23.7	19.0	28.6

Manual Integrations
APPROVED

apatel
5/5/2020 11:16:09 AM



#78

1,2,4-Trimethylbenzene

Concen: 10.336 ug/l

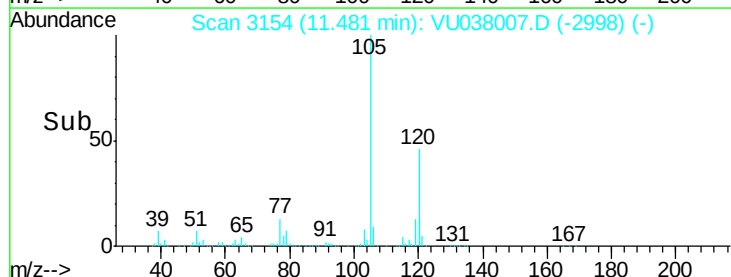
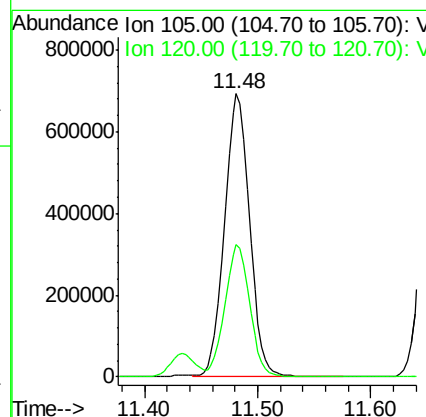
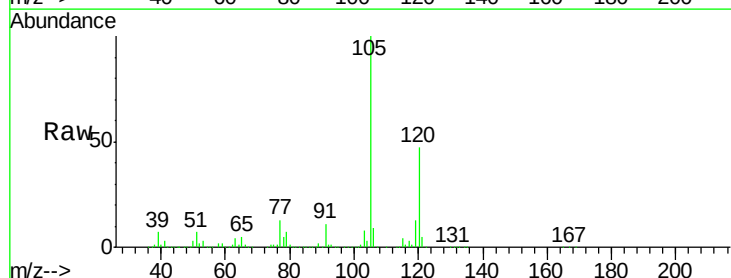
RT: 11.48 min Scan# 3154

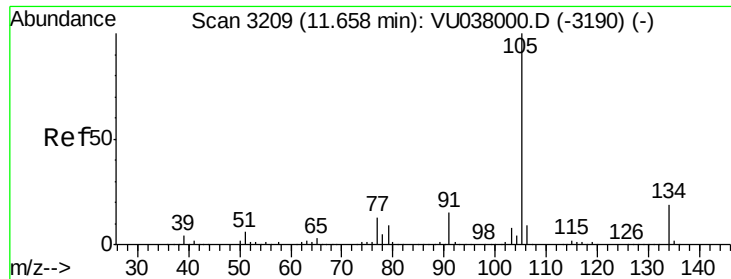
Delta R.T. -0.00 min

Lab File: VU038007.D

Acq: 04 May 2020 18:11

Tgt Ion:	105	Resp:	1070122
Ion Ratio	Lower	Upper	
105	100		
120	46.6	23.4	70.0





#79

sec-Butylbenzene

Concen: 10.181 ug/l

RT: 11.66 min Scan# 3209

Delta R.T. 0.00 min

Lab File: VU038007.D

Acq: 04 May 2020 18:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 1395804

Ion Ratio Lower Upper

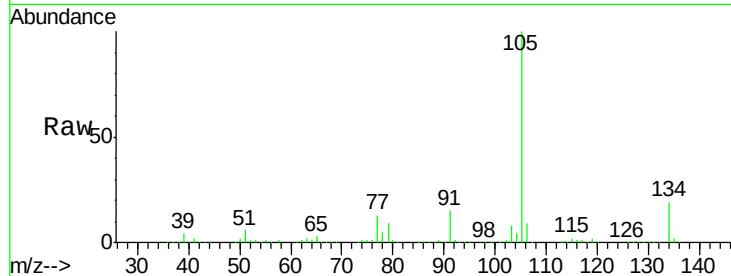
105 100

134 19.1 15.4 23.0

Manual Integrations
APPROVED

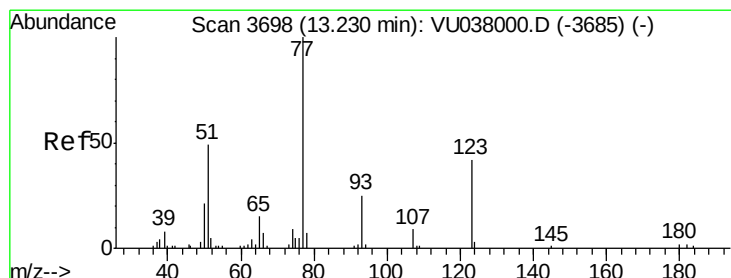
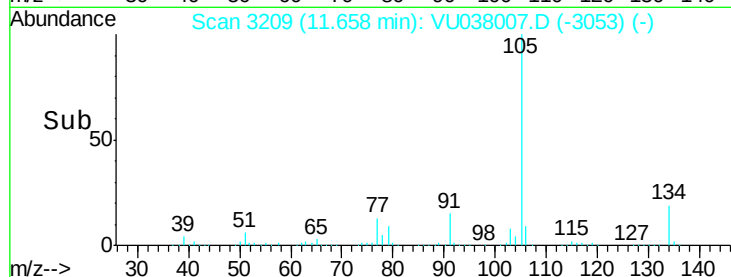
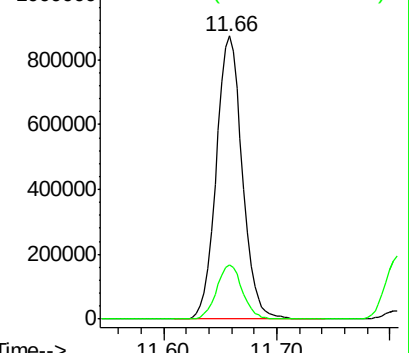
apatel

5/5/2020 11:16:09 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 40.961 ug/l

RT: 13.23 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VU038007.D

Acq: 04 May 2020 18:11

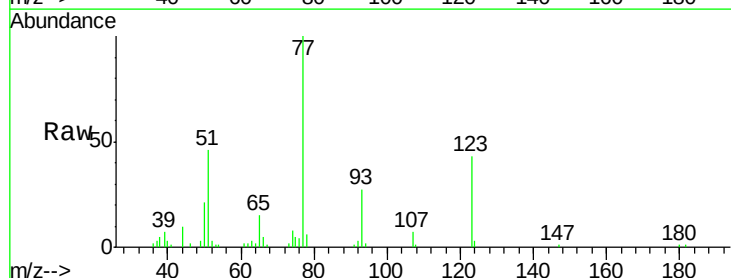
Tgt Ion: 77 Resp: 28683

Ion Ratio Lower Upper

77 100

123 41.7 17.6 62.6

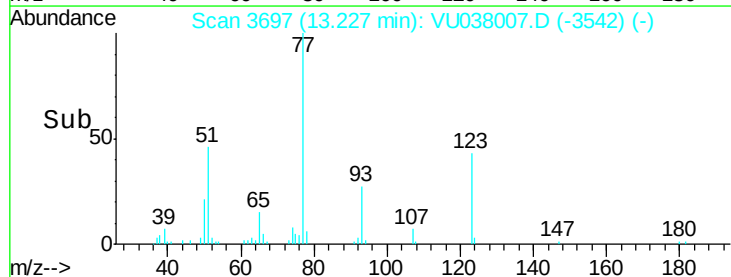
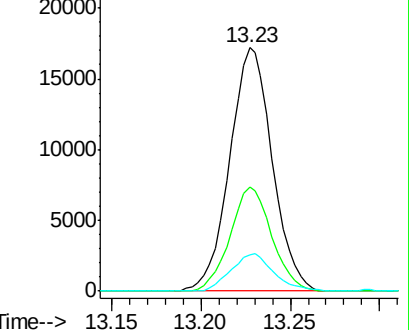
65 15.5 13.2 16.8

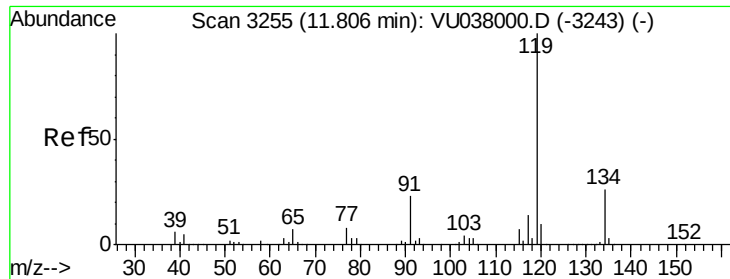


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





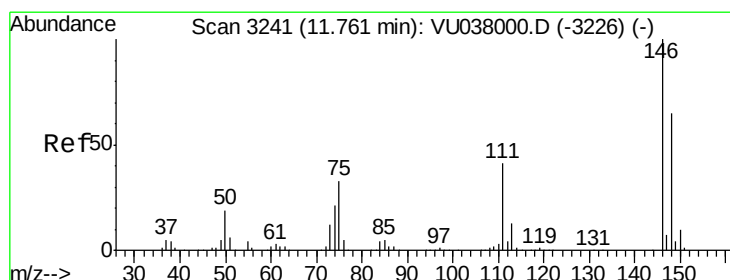
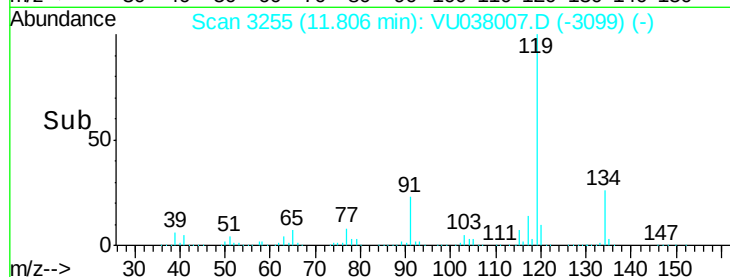
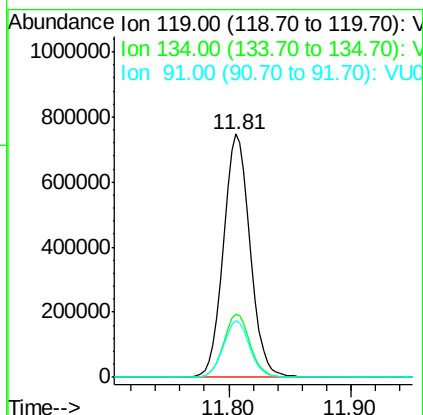
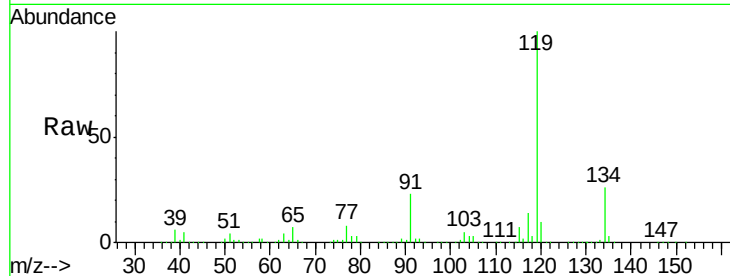
#81
 p-Isopropyltoluene
 Concen: 10.387 ug/l
 RT: 11.81 min Scan# 3255
 Delta R.T. -0.00 min
 Lab File: VU038007.D
 Acq: 04 May 2020 18:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.6	31.0
91	23.1	18.6	28.0

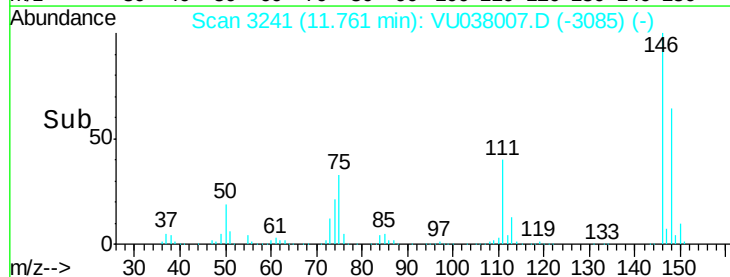
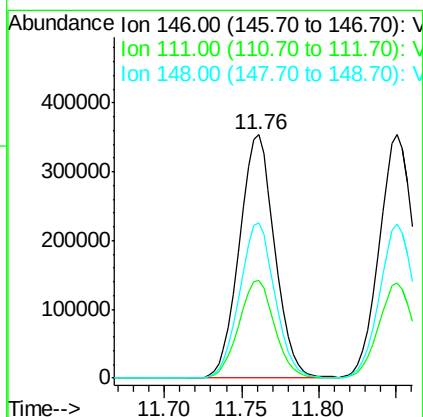
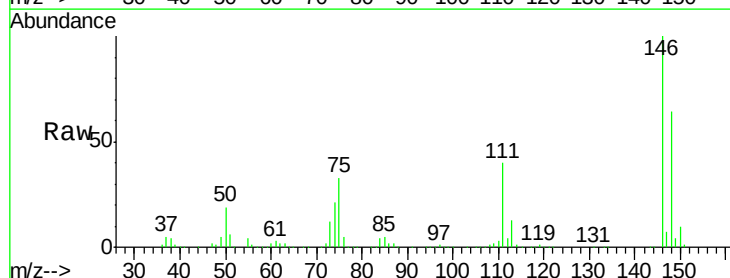
Manual Integrations
 APPROVED

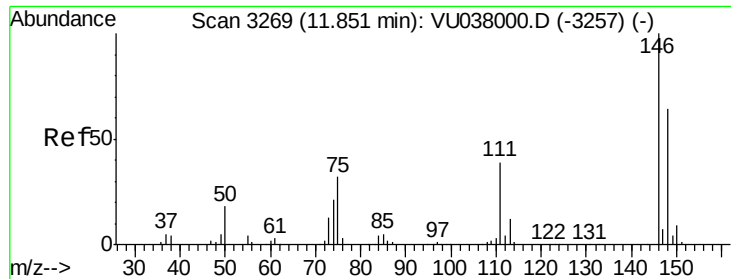
apatel
 5/5/2020 11:16:09 AM



#82
 1,3-Dichlorobenzene
 Concen: 10.018 ug/l
 RT: 11.76 min Scan# 3241
 Delta R.T. -0.00 min
 Lab File: VU038007.D
 Acq: 04 May 2020 18:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	33.0	49.4
148	63.8	51.4	77.2





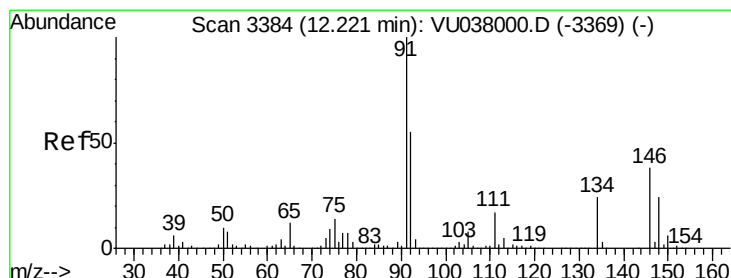
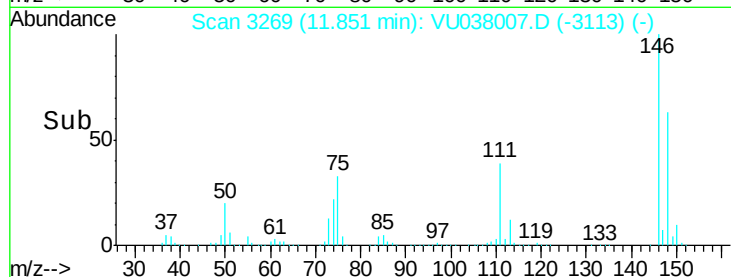
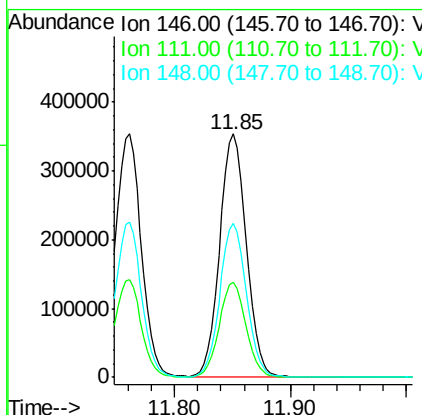
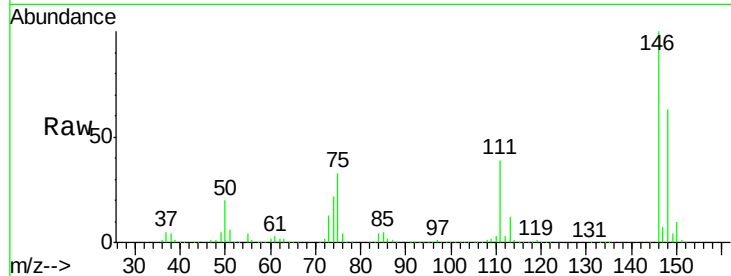
#83
 1,4-Dichlorobenzene
 Concen: 9.936 ug/l
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU038007.D
 Acq: 04 May 2020 18:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	31.8	47.6
148	63.0	51.2	76.8

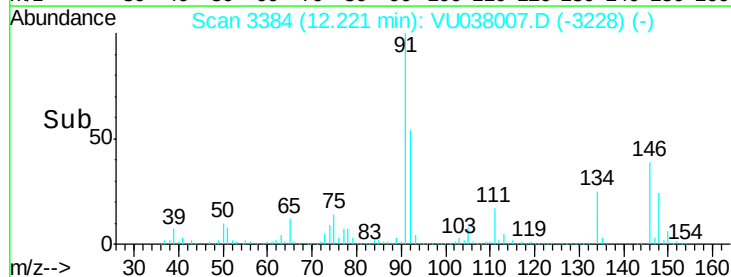
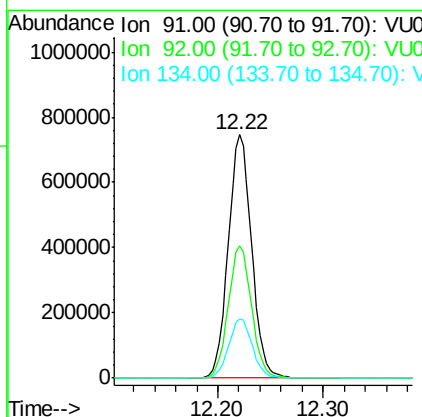
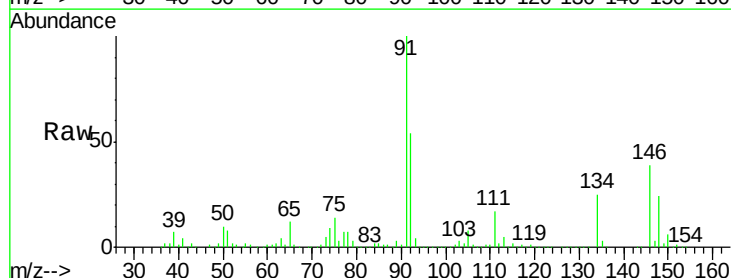
Manual Integrations
 APPROVED

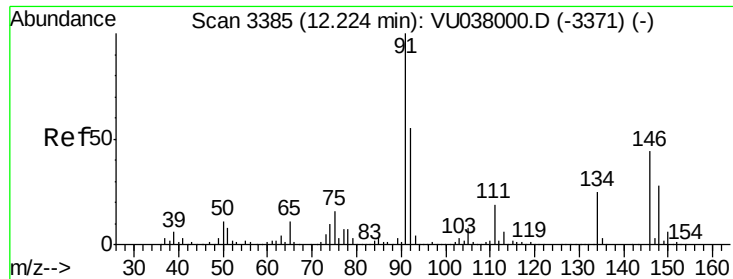
apatel
 5/5/2020 11:16:09 AM



#84
 n-Butylbenzene
 Concen: 10.298 ug/l
 RT: 12.22 min Scan# 3384
 Delta R.T. 0.00 min
 Lab File: VU038007.D
 Acq: 04 May 2020 18:11

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.1	43.8	65.6
134	24.6	19.4	29.2





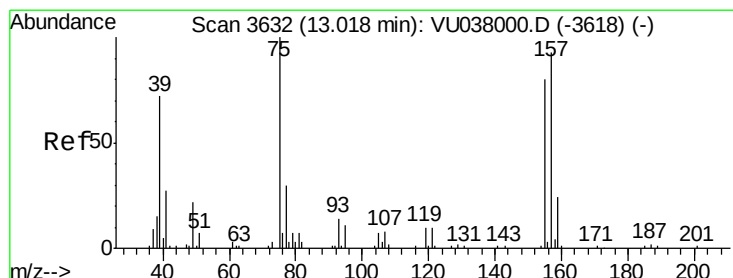
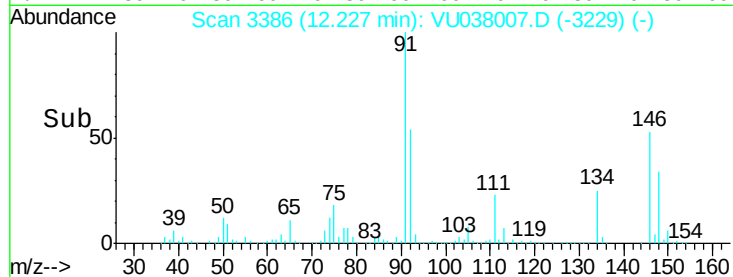
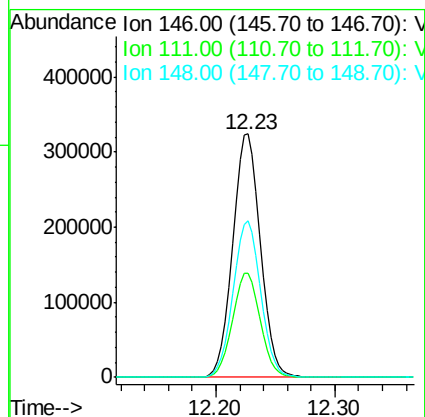
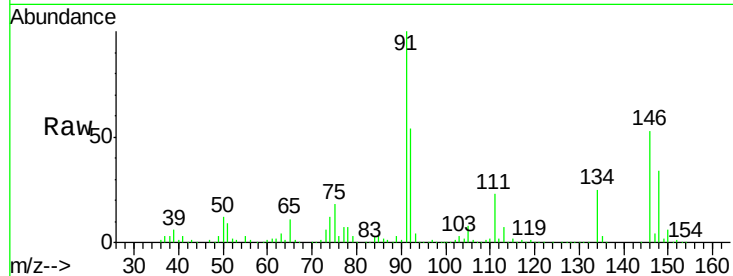
#85
 1,2-Dichlorobenzene
 Concen: 9.993 ug/l
 RT: 12.23 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU038007.D
 Acq: 04 May 2020 18:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.9	65.8
148	63.9	31.8	95.4

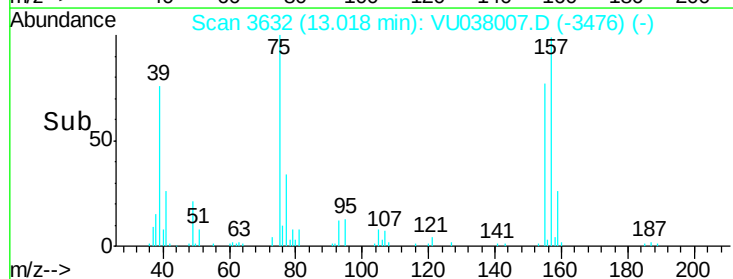
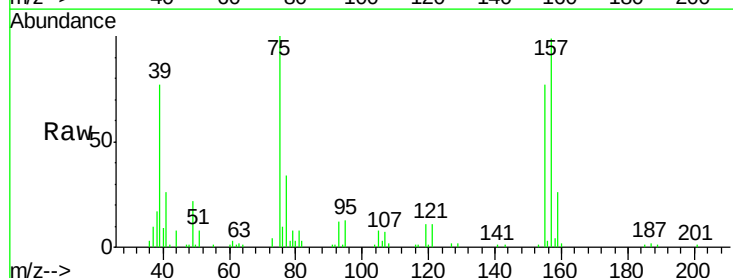
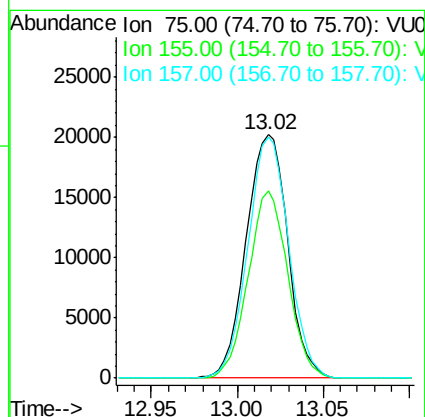
Manual Integrations
 APPROVED

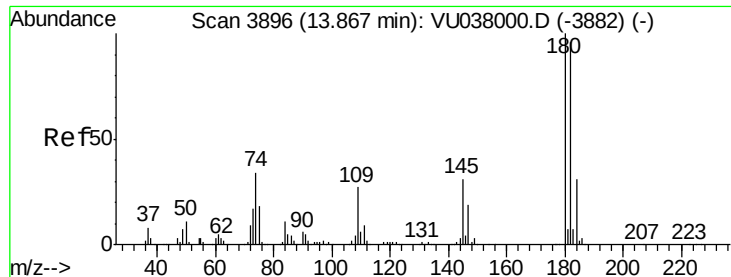
apatel
 5/5/2020 11:16:09 AM



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 9.119 ug/l
 RT: 13.02 min Scan# 3632
 Delta R.T. -0.00 min
 Lab File: VU038007.D
 Acq: 04 May 2020 18:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.2	60.9	91.3
157	97.5	78.1	117.1





#87

1,2,4-Trichlorobenzene

Concen: 9.753 ug/l

RT: 13.87 min Scan# 3896

Delta R.T. 0.00 min

Lab File: VU038007.D

Acq: 04 May 2020 18:11

Instrument :

MSVOA_U

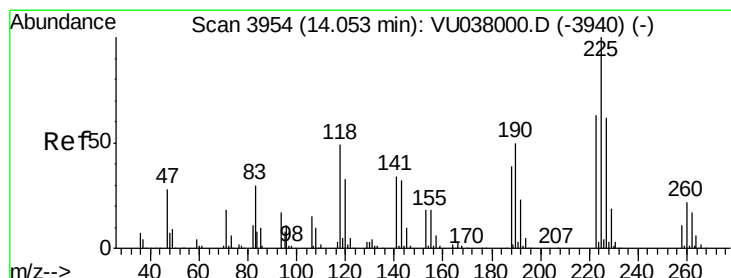
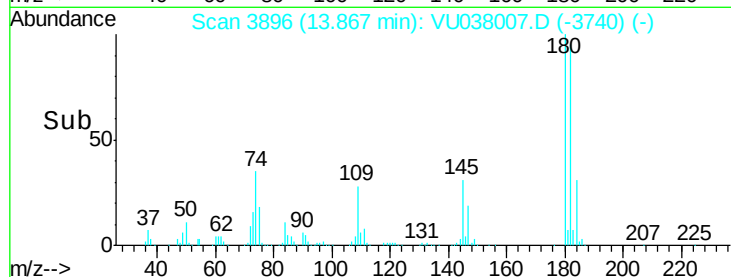
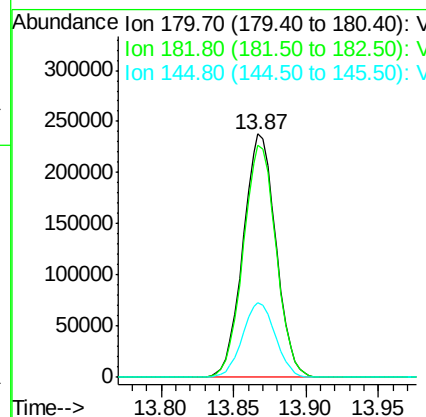
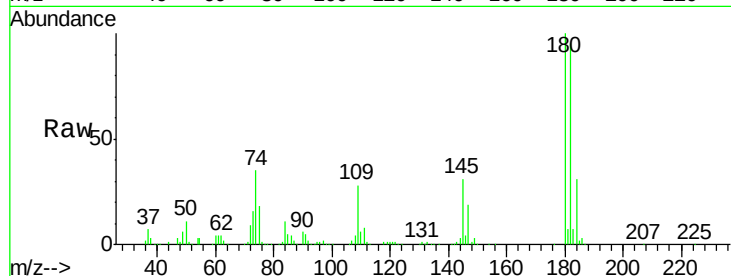
ClientSampleId :

VSTDCCC010EC

Tot Ion:	180	Resp:	372955
Ion Ratio	Lower	Upper	
180	100		
182	95.7	76.9	115.3
145	30.9	24.7	37.1

Manual Integrations
APPROVED

apatel
5/5/2020 11:16:09 AM



#88

Hexachlorobutadiene

Concen: 9.944 ug/l

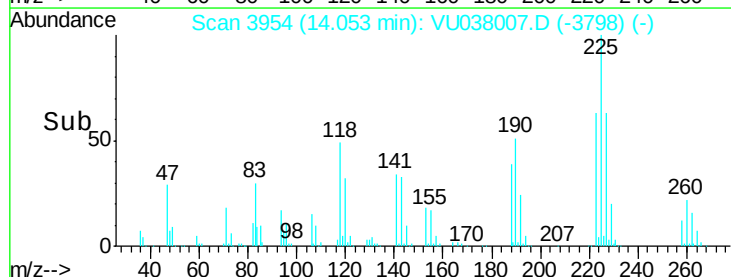
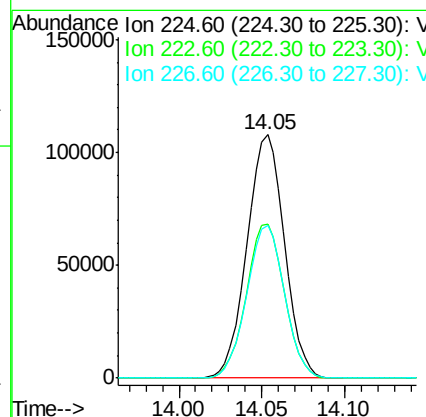
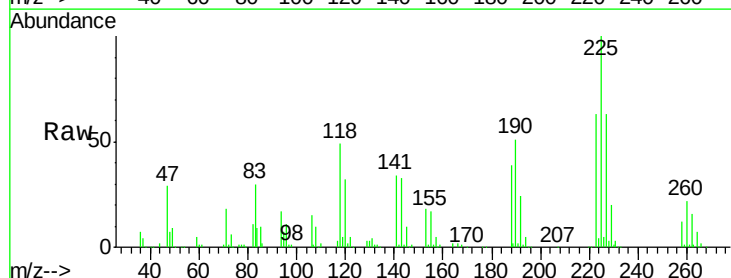
RT: 14.05 min Scan# 3954

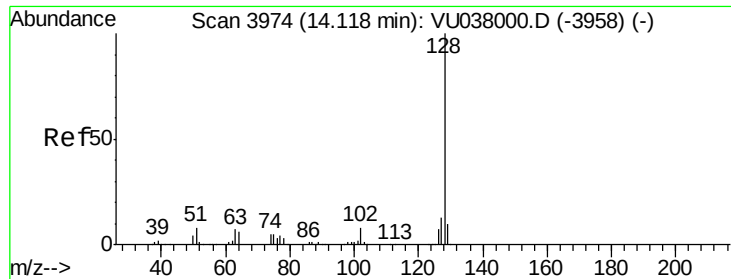
Delta R.T. 0.00 min

Lab File: VU038007.D

Acq: 04 May 2020 18:11

Tgt Ion:	225	Resp:	170011
Ion Ratio	Lower	Upper	
225	100		
223	64.1	51.3	76.9
227	63.1	49.2	73.8





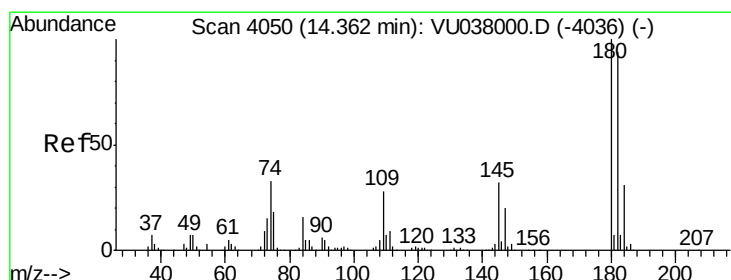
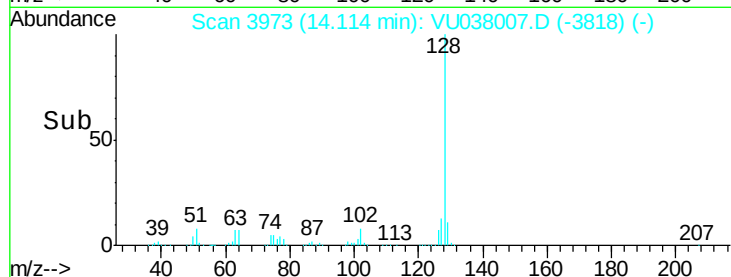
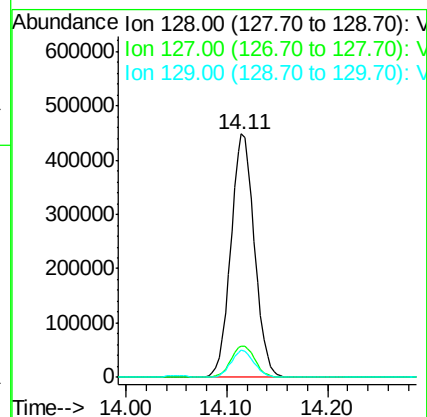
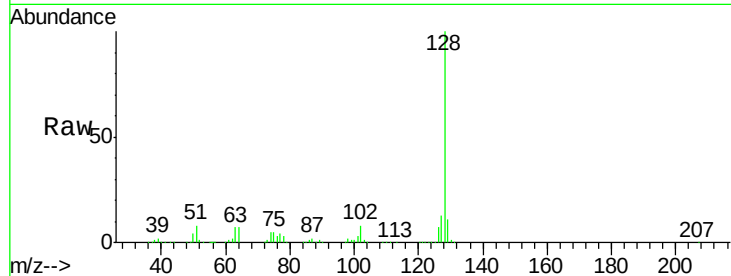
#89
Naphthalene
Concen: 9.929 ug/l
RT: 14.11 min Scan# 3973
Delta R.T. -0.00 min
Lab File: VU038007.D
Acq: 04 May 2020 18:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.8	8.6	12.8

Manual Integrations
APPROVED

apatel
5/5/2020 11:16:09 AM



#90
1,2,3-Trichlorobenzene
Concen: 9.943 ug/l
RT: 14.36 min Scan# 4050
Delta R.T. -0.00 min
Lab File: VU038007.D
Acq: 04 May 2020 18:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.9	113.9
145	32.8	26.0	39.0

