

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090920\
 Data File : VU040062.D
 Acq On : 09 Sep 2020 12:30
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 9/17/2020 4:47:17 PM

Quant Time: Sep 10 04:03:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U090920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Sep 10 03:43:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	6.13	96	28193	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.63	95	12070	1.09	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	10539	0.99	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.39	85	79366	8.367	ug/l	100
3) Chloromethane	1.53	50	81205	6.998	ug/l	100
4) Vinyl Chloride	1.61	62	79275	7.378	ug/l	100
5) Bromomethane	1.86	94	50549	6.830	ug/l	100
6) Chloroethane	1.94	64	50171	6.772	ug/l	100
7) Trichlorofluoromethane	2.15	101	123752	8.537	ug/l	100
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	70583	8.481	ug/l	100
9) 1,1-Dichloroethene	2.59	96	59647	7.888	ug/l	100
10) Iodomethane	2.74	142	69496	9.231	ug/l	100
11) Allyl Chloride	2.94	41	114983	7.131	ug/l	100
12) Acrylonitrile	3.33	53	40763	15.331	ug/l	100
13) Acetone	2.64	43	94225	37.614	ug/l	100
14) Carbon Disulfide	2.81	76	165895	6.177	ug/l	100
15) Methylene Chloride	3.06	84	75501	7.105	ug/l	100
16) trans-1,2-Dichloroethene	3.37	96	66241	7.715	ug/l	100
17) 1,1-Dichloroethane	3.89	63	137890	7.368	ug/l	100
18) 2-Butanone	4.74	43	141461	34.134	ug/l	100
19) Cyclohexane	5.40	56	114506m	6.405	ug/l	
20) Methylcyclohexane	6.77	83	116925	8.638	ug/l	100
21) 2,2-Dichloropropane	4.68	77	125970	8.097	ug/l	100
22) cis-1,2-Dichloroethene	4.68	96	74985	8.053	ug/l	100
23) Diethyl Ether	2.39	59	55673	7.262	ug/l	100
24) tert-Butyl Alcohol	3.21	59	71320	51.203	ug/l	100
25) Methyl tert-Butyl Ether	3.39	73	199509	8.070	ug/l	100
26) Bromochloromethane	4.99	128	32460	8.437	ug/l	100
27) Chloroform	5.11	83	140147	7.893	ug/l	100
28) 1,1,1-Trichloroethane	5.33	97	125142	8.612	ug/l	100
29) 1,1-Dichloropropene	5.54	75	106298	7.717	ug/l	100
30) Carbon Tetrachloride	5.54	117	114978	9.523	ug/l	100
31) Isopropyl Ether	4.02	45	242393	7.130	ug/l	100
32) Ethyl-t-butyl ether	4.53	59	223608	7.657	ug/l	100
33) Tert-Amyl methyl ether	5.96	73	201343	9.303	ug/l	100
34) Propionitrile	4.81	54	36682	35.794	ug/l	100
35) Benzene	5.79	78	301402	8.686	ug/l	100
36) 1,2-Dichloroethane	5.81	62	115530	8.855	ug/l	100
37) Trichloroethene	6.55	130	76289	9.506	ug/l	100
38) 1,2-Dichloropropane	6.81	63	86763	9.094	ug/l	100
39) Methacrylonitrile	5.00	41	35957	6.605	ug/l	100
40) Methyl acrylate	4.87	55	49070	7.050	ug/l	100
41) Tetrahydrofuran	5.09	42	33709	12.422	ug/l	100
42) 1-Chlorobutane	5.47	56	159866	7.442	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U090920\
 Data File : VU040062.D
 Acq On : 09 Sep 2020 12:30
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

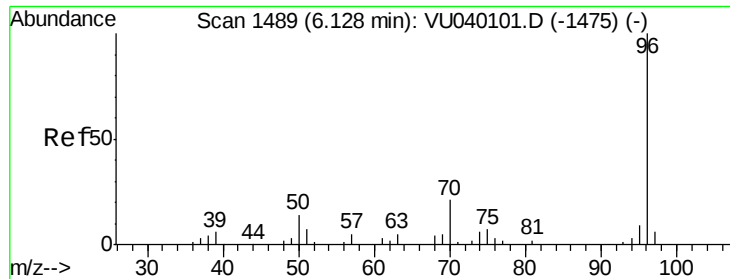
Manual Integrations
 APPROVED

MMDadoda
 9/17/2020 4:47:17 PM

Quant Time: Sep 10 04:03:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U090920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Sep 10 03:43:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.93	93	48438	9.300	ug/l	100
44) Bromodichloromethane	7.12	83	117138	9.825	ug/l	100
45) 4-Methyl-2-Pentanone	7.81	43	354913	45.746	ug/l	100
46) t-1,4-Dichloro-2-butene	10.83	75	55236m	22.457	ug/l	
47) Methyl methacrylate	6.98	69	91407	19.096	ug/l	100
48) Ethyl methacrylate	8.34	69	83951	9.530	ug/l	100
49) Toluene	7.98	92	185166	9.029	ug/l	100
50) t-1,3-Dichloropropene	8.22	75	112999	10.526	ug/l	100
51) cis-1,3-Dichloropropene	7.62	75	124526	9.910	ug/l	100
52) 1,1,2-Trichloroethane	8.41	97	63521	9.411	ug/l	100
53) 1,3-Dichloropropane	8.58	76	115691	9.003	ug/l	100
54) 2-Hexanone	8.69	43	256429	46.136	ug/l	100
55) Dibromochloromethane	8.82	129	75804	10.377	ug/l	100
56) 1,2-Dibromoethane	8.93	107	59350	9.213	ug/l	100
58) Tetrachloroethene	8.56	164	73750	10.308	ug/l	100
59) Chlorobenzene	9.45	112	205662	9.590	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.54	131	75004	10.226	ug/l	100
61) Pentachloroethane	11.42	117	48983	7.982	ug/l	100
62) Hexachloroethane	12.47	117	64378	10.879	ug/l	100
63) Ethyl Benzene	9.57	91	371150	9.732	ug/l	100
64) m/p-Xylenes	9.69	106	284605	19.193	ug/l	100
65) o-Xylene	10.10	106	134152	9.505	ug/l	100
66) Styrene	10.11	104	244236	10.056	ug/l	100
67) Bromoform	10.29	173	40194	10.792	ug/l	100
69) Isopropylbenzene	10.48	105	368423	9.737	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.78	83	85855	8.970	ug/l	100
71) 1,2,3-Trichloropropane	10.83	75	66719m	9.389	ug/l	
72) Bromobenzene	10.78	156	80799	9.369	ug/l	100
73) n-propylbenzene	10.90	120	102671	9.670	ug/l	100
74) 2-Chlorotoluene	10.98	126	86560	9.592	ug/l	100
75) 1,3,5-Trimethylbenzene	11.09	105	333158	10.172	ug/l	100
76) 4-Chlorotoluene	11.10	126	93881	10.021	ug/l	100
77) tert-Butylbenzene	11.42	119	298443	9.560	ug/l	100
78) 1,2,4-Trimethylbenzene	11.46	105	339502	10.126	ug/l	100
79) sec-Butylbenzene	11.64	105	437716	9.800	ug/l	100
80) Nitrobenzene	13.20	77	19079	94.780	ug/l	100
81) p-Isopropyltoluene	11.79	119	357008	9.934	ug/l	100
82) 1,3-Dichlorobenzene	11.74	146	176561	9.485	ug/l	100
83) 1,4-Dichlorobenzene	11.83	146	178509	9.512	ug/l	100
84) n-Butylbenzene	12.20	91	370981	9.717	ug/l	100
85) 1,2-Dichlorobenzene	12.20	146	171525	9.553	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.99	75	16993	10.377	ug/l	100
87) 1,2,4-Trichlorobenzene	13.83	180	106242	9.529	ug/l	100
88) Hexachlorobutadiene	14.01	225	53091	10.239	ug/l	100
89) Naphthalene	14.08	128	231298	9.756	ug/l	100
90) 1,2,3-Trichlorobenzene	14.32	180	99478	9.447	ug/l	100

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.13 min Scan# 1489

Delta R.T. 0.00 min

Lab File: VU040062.D

Acq: 09 Sep 2020 12:30

Instrument :

MSVOA_U

ClientSampleId :

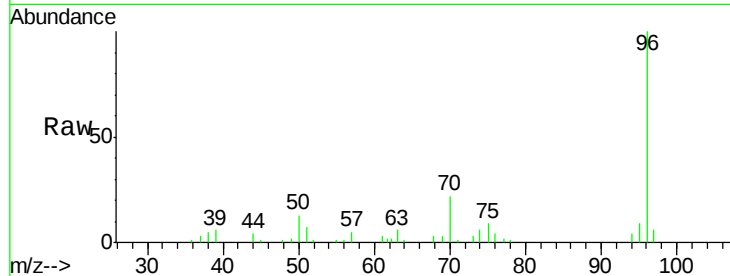
VSTDICCC010

Tot Ion: 96 Resp: 28193

Ion	Ratio	Lower	Upper
96	100		
70	21.4	17.1	25.7
95	9.5	7.6	11.4
97	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
9/17/2020 4:47:17 PM

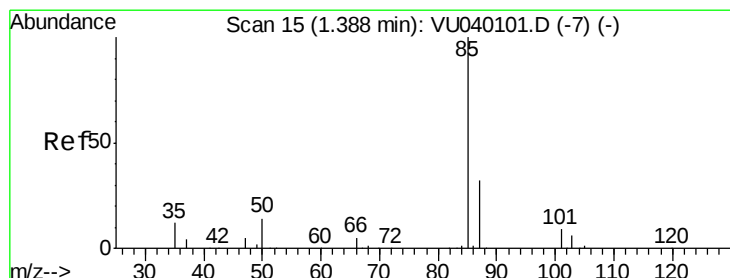
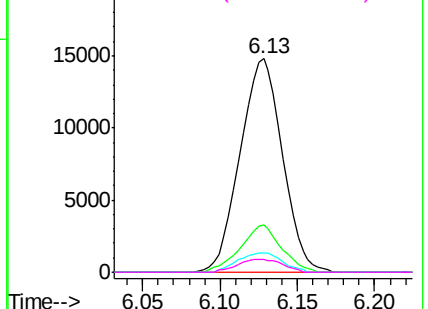
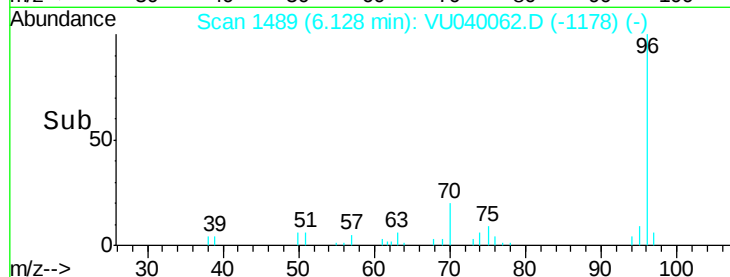


Abundance Ion 96.00 (95.70 to 96.70): VU040101.D (-1475) (-)

Ion 70.00 (69.70 to 70.70): VU040101.D (-1475) (-)

Ion 95.00 (94.70 to 95.70): VU040101.D (-1475) (-)

Ion 97.00 (96.70 to 97.70): VU040101.D (-1475) (-)



#2

Dichlorodifluoromethane

Concen: 8.367 ug/l

RT: 1.39 min Scan# 15

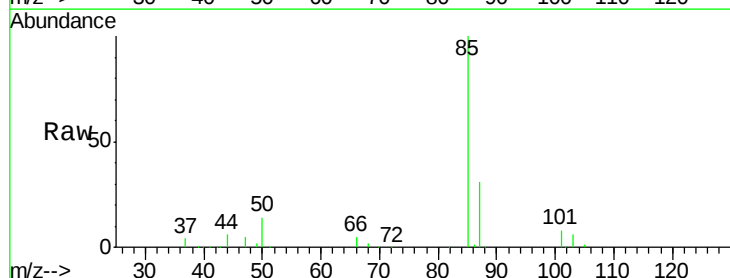
Delta R.T. 0.00 min

Lab File: VU040062.D

Acq: 09 Sep 2020 12:30

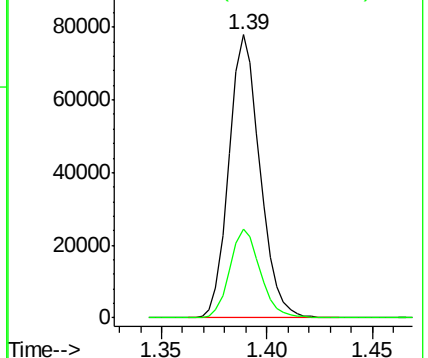
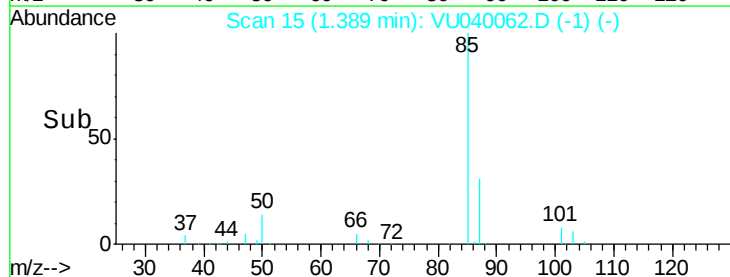
Tgt Ion: 85 Resp: 79366

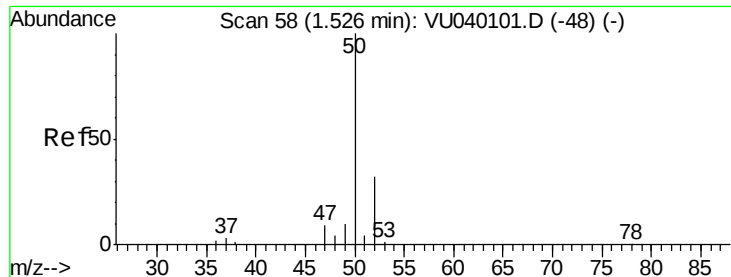
Ion	Ratio	Lower	Upper
85	100		
87	31.2	15.6	46.8



Abundance Ion 85.00 (84.70 to 85.70): VU040101.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU040101.D (-7) (-)





#3

Chloromethane

Concen: 6.998 ug/l

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040062.D

Acq: 09 Sep 2020 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 50 Resp: 81205

Ion Ratio Lower Upper

50 100

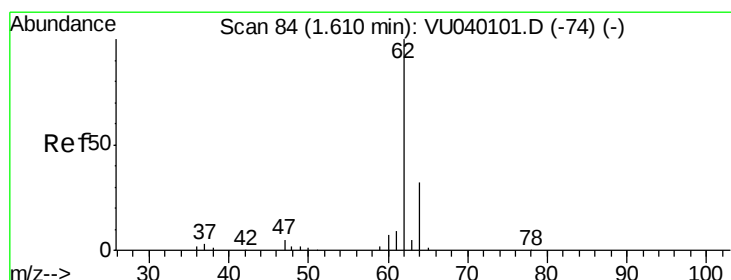
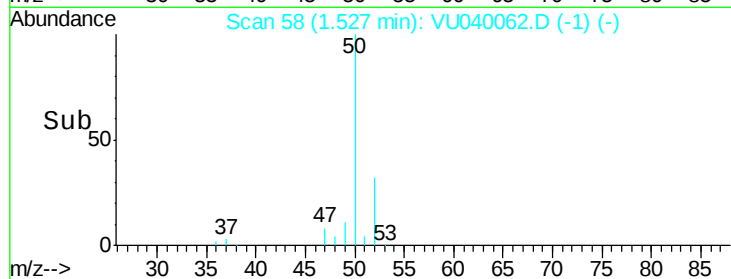
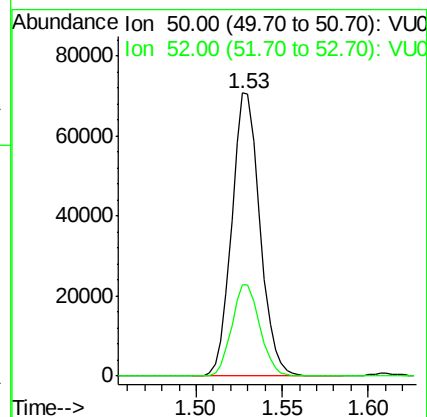
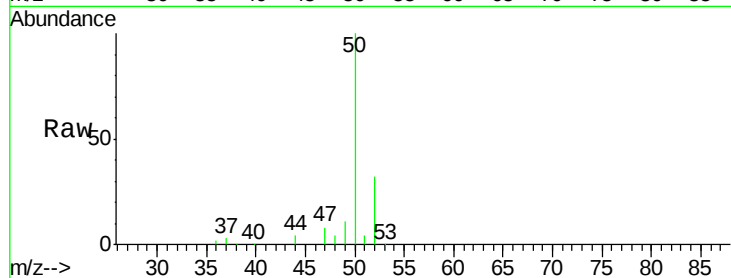
52 32.4 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

9/17/2020 4:47:17 PM



#4

Vinyl Chloride

Concen: 7.378 ug/l

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040062.D

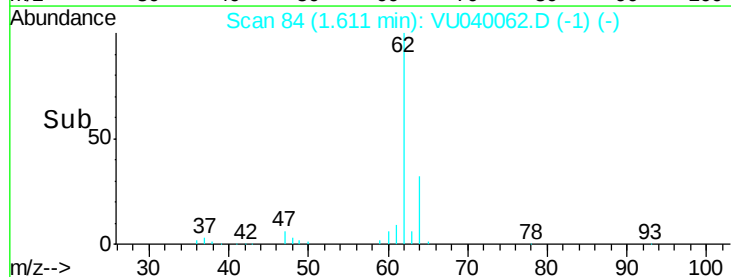
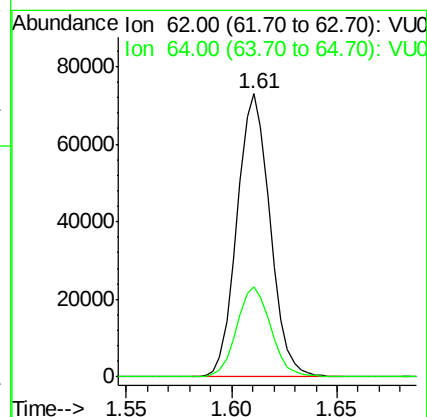
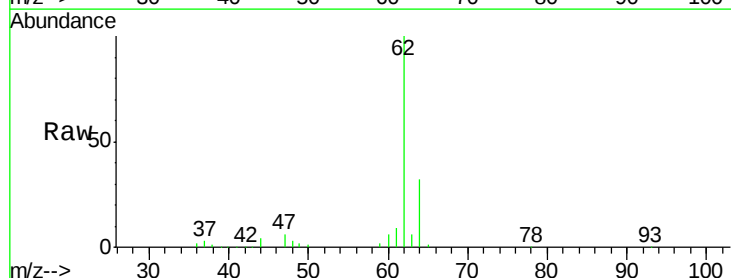
Acq: 09 Sep 2020 12:30

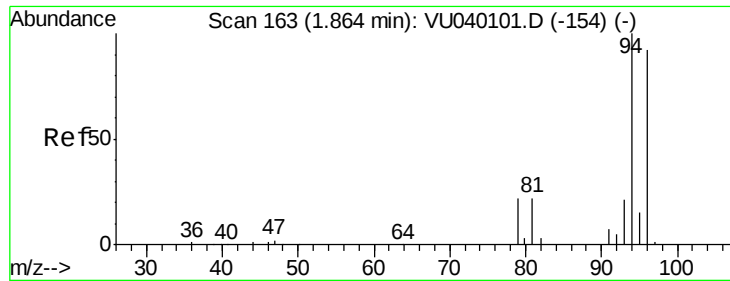
Tgt Ion: 62 Resp: 79275

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.0





#5

Bromomethane

Concen: 6.830 ug/l

RT: 1.86 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU040062.D

Acq: 09 Sep 2020 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 94 Resp: 50549

Ion Ratio Lower Upper

94 100

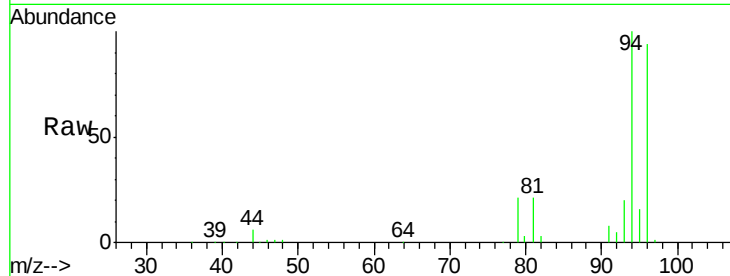
96 94.3 75.4 113.2

Manual Integrations

APPROVED

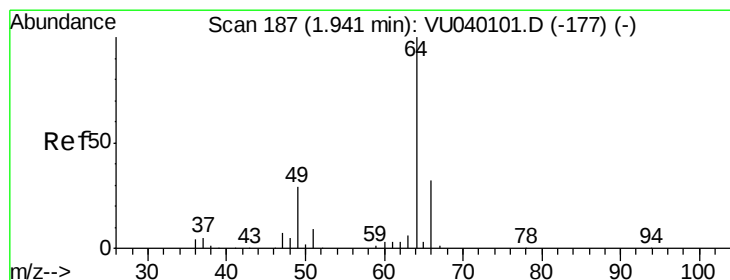
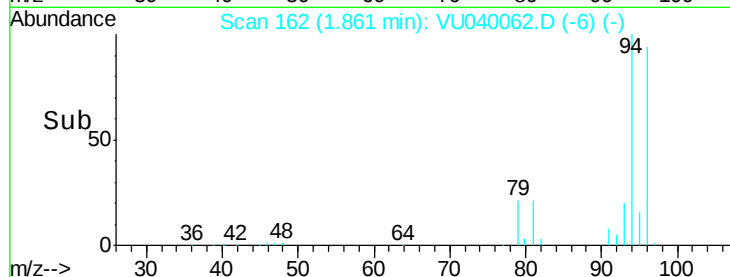
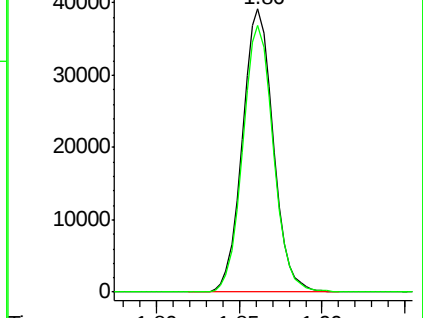
MMDadoda

9/17/2020 4:47:17 PM



Abundance Ion 94.00 (93.70 to 94.70): VU040101.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU040101.D (-154) (-)



#6

Chloroethane

Concen: 6.772 ug/l

RT: 1.94 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU040062.D

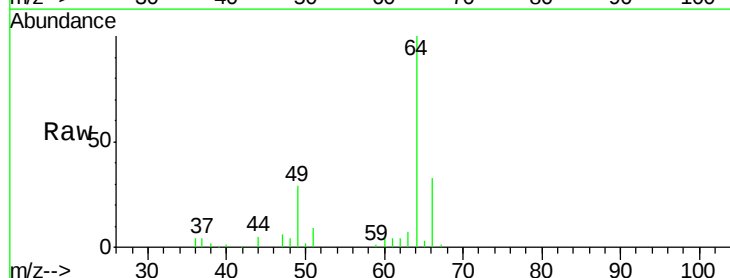
Acq: 09 Sep 2020 12:30

Tgt Ion: 64 Resp: 50171

Ion Ratio Lower Upper

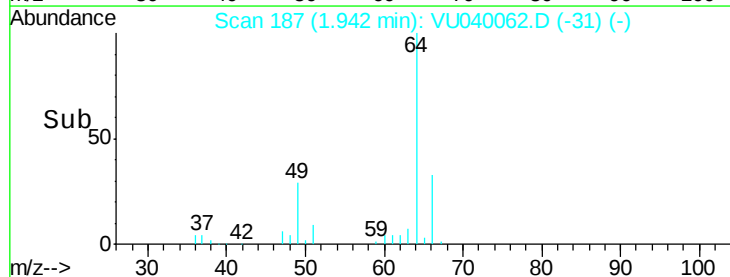
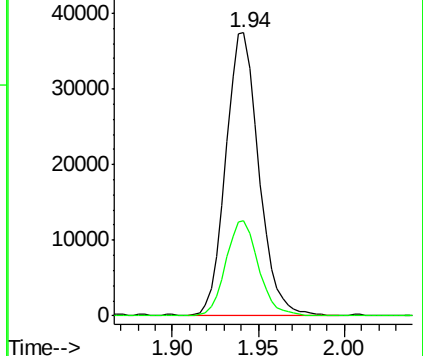
64 100

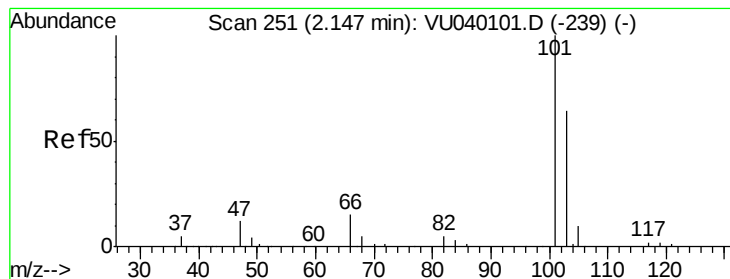
66 33.4 26.7 40.1



Abundance Ion 64.00 (63.70 to 64.70): VU040101.D (-177) (-)

Ion 66.00 (65.70 to 66.70): VU040101.D (-177) (-)





#7

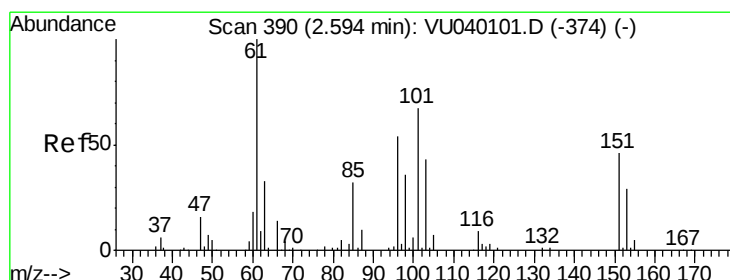
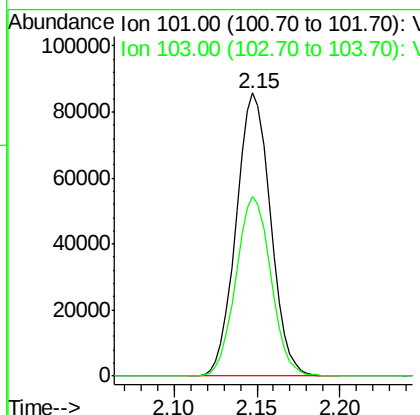
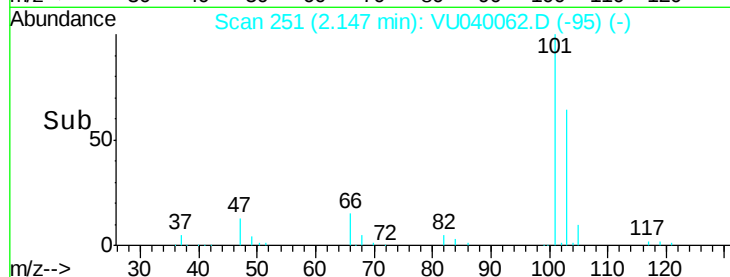
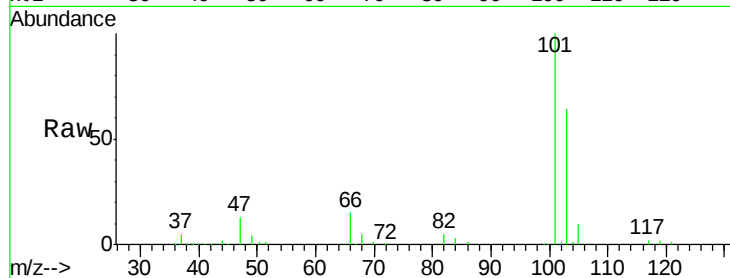
Trichlorofluoromethane
Concen: 8.537 ug/l
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU040062.D
Acq: 09 Sep 2020 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	50.8	76.2

Manual Integrations
APPROVED

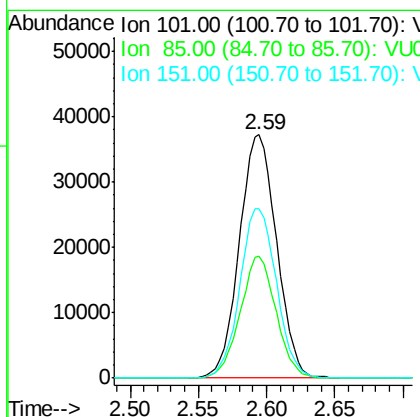
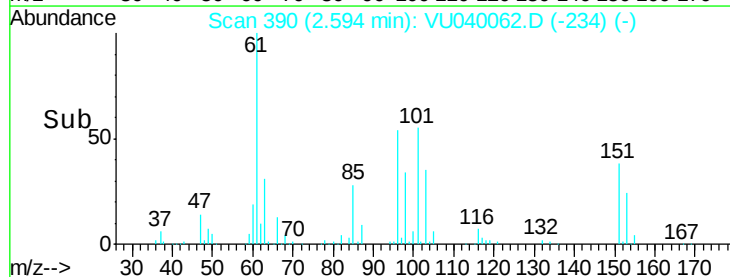
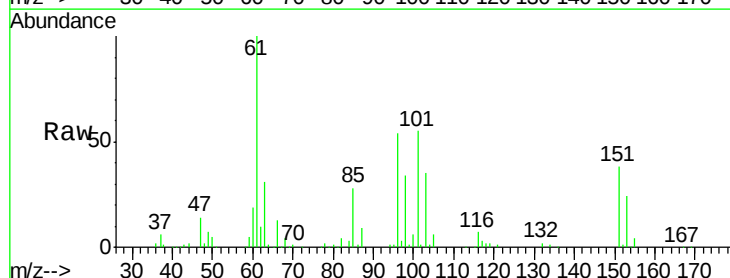
MMDadoda
9/17/2020 4:47:17 PM

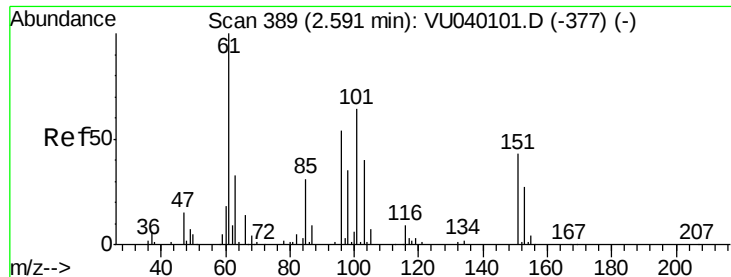


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 8.481 ug/l
RT: 2.59 min Scan# 390
Delta R.T. 0.00 min
Lab File: VU040062.D
Acq: 09 Sep 2020 12:30

Tgt Ion	Ratio	Lower	Upper
101	100		
85	48.1	38.5	57.7
151	68.2	54.6	81.8





#9

1,1-Dichloroethene

Concen: 7.888 ug/l

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU040062.D

Acq: 09 Sep 2020 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 96 Resp: 59647

Ion Ratio Lower Upper

96 100

61 185.7 0.0 557.1

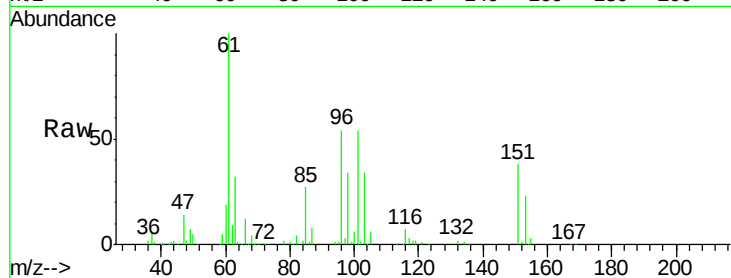
98 62.8 0.0 125.6

Manual Integrations

APPROVED

MMDadoda

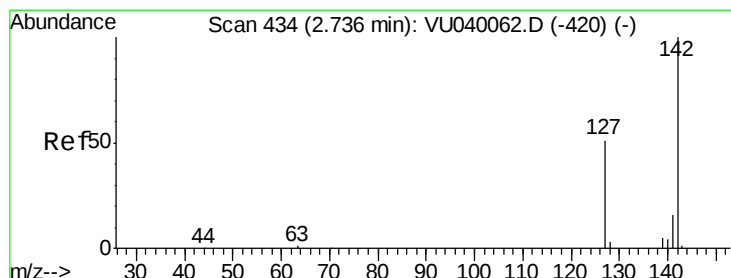
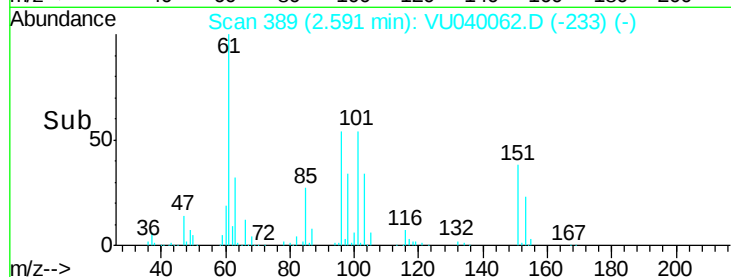
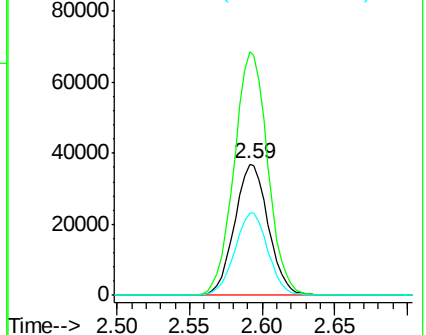
9/17/2020 4:47:17 PM



Abundance Ion 96.00 (95.70 to 96.70): VU040101.D (-377) (-)

Ion 61.00 (60.70 to 61.70): VU040101.D (-377) (-)

Ion 98.00 (97.70 to 98.70): VU040101.D (-377) (-)



#10

Iodomethane

Concen: 9.231 ug/l

RT: 2.74 min Scan# 434

Delta R.T. 0.00 min

Lab File: VU040062.D

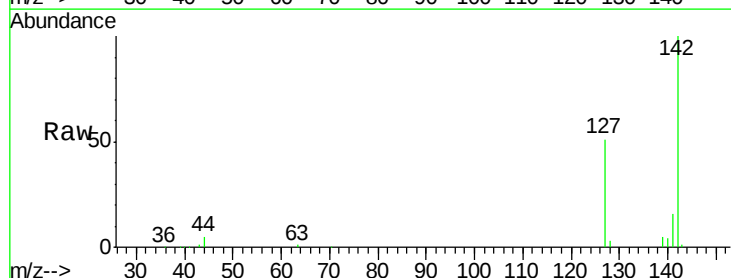
Acq: 09 Sep 2020 12:30

Tgt Ion: 142 Resp: 69496

Ion Ratio Lower Upper

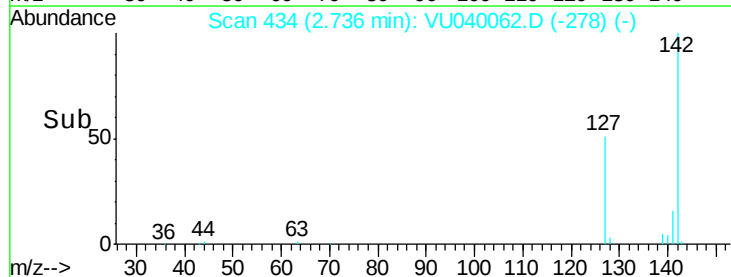
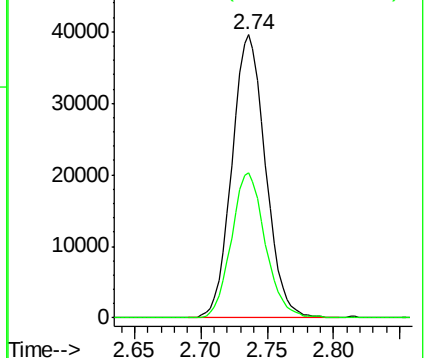
142 100

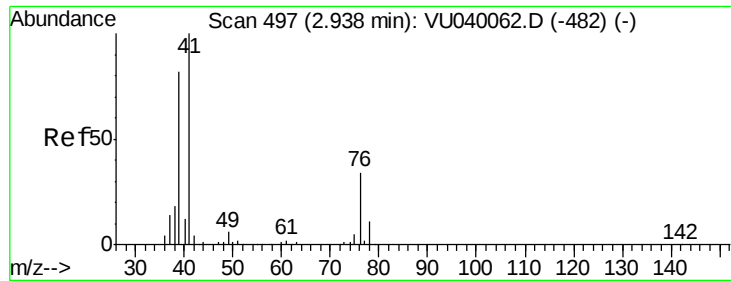
127 51.7 41.4 62.0



Abundance Ion 142.00 (141.70 to 142.70): VU040062.D (-420) (-)

Ion 127.00 (126.70 to 127.70): VU040062.D (-420) (-)





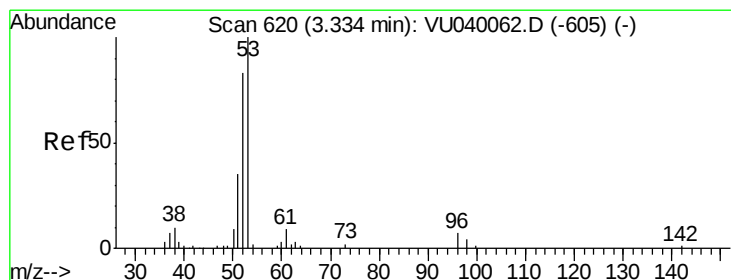
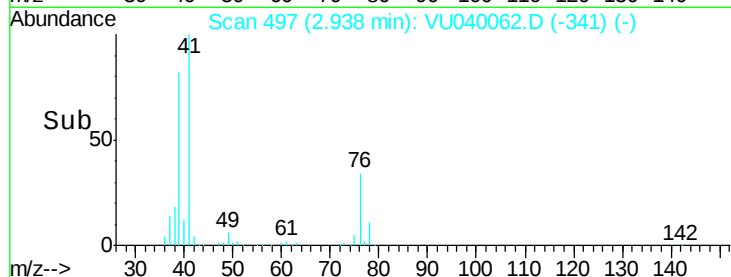
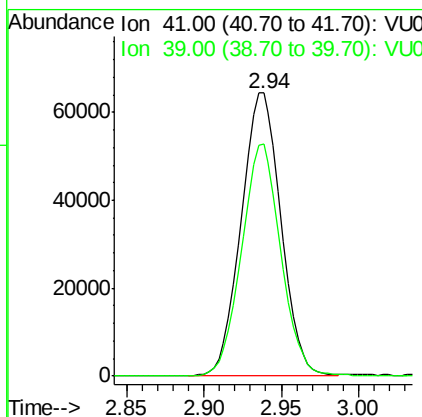
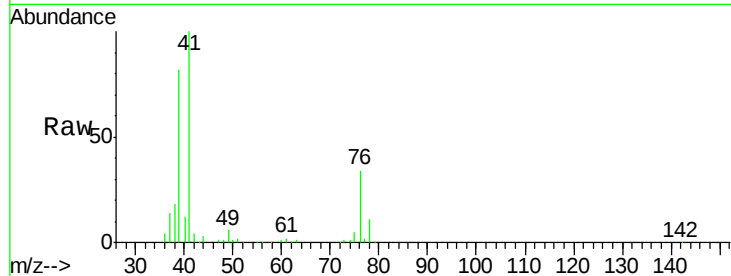
#11
Allvl Chloride
Concen: 7.131 ug/l
RT: 2.94 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU040062.D
Acq: 09 Sep 2020 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
41	100		
39	80.7	64.6	96.8

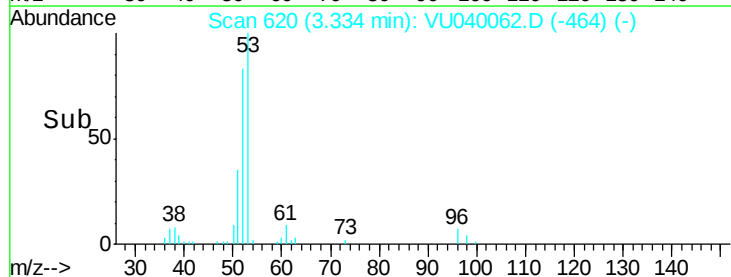
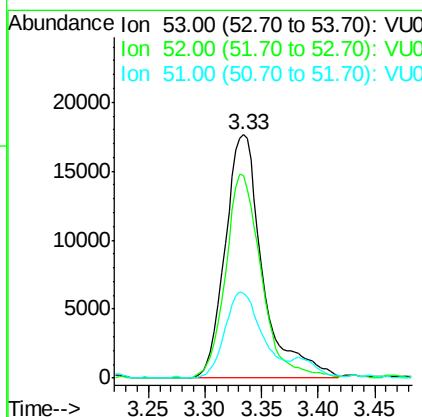
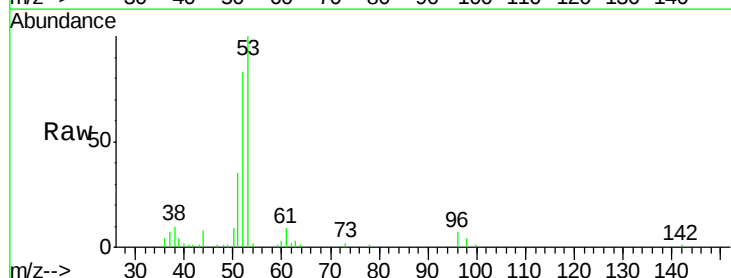
Manual Integrations
APPROVED

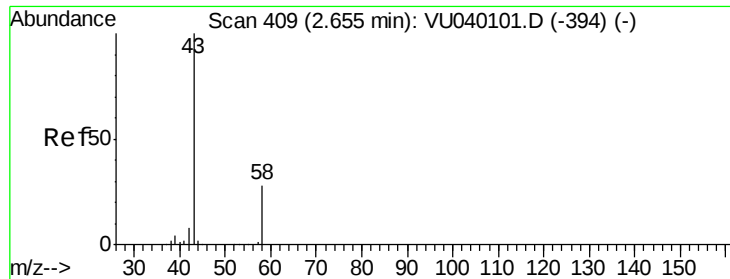
MMDadoda
9/17/2020 4:47:17 PM



#12
Acrylonitrile
Concen: 15.331 ug/l
RT: 3.33 min Scan# 620
Delta R.T. 0.00 min
Lab File: VU040062.D
Acq: 09 Sep 2020 12:30

Tgt Ion	Ratio	Lower	Upper
53	100		
52	80.0	64.0	96.0
51	35.2	28.2	42.2





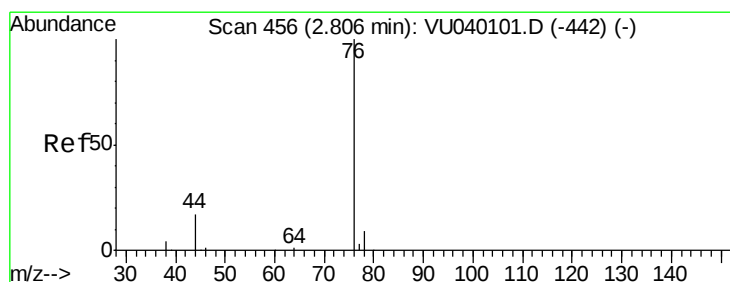
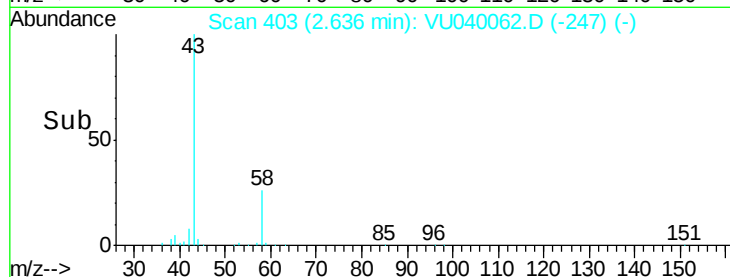
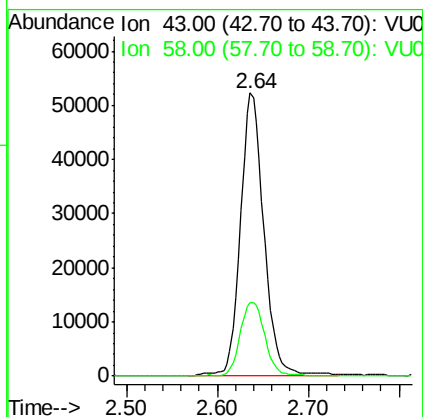
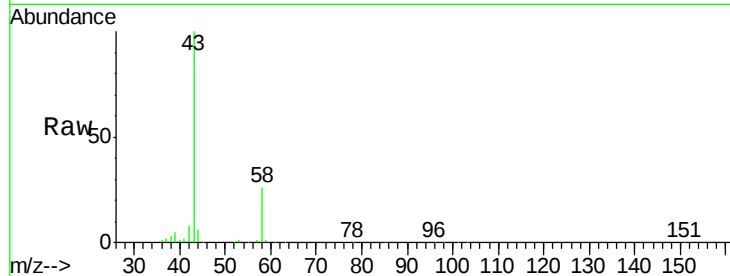
#13
Acetone
Concen: 37.614 ug/l
RT: 2.64 min Scan# 403
Delta R.T. 0.00 min
Lab File: VU040062.D
Acq: 09 Sep 2020 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion: 43 Resp: 94225
Ion Ratio Lower Upper
43 100
58 25.8 20.6 31.0

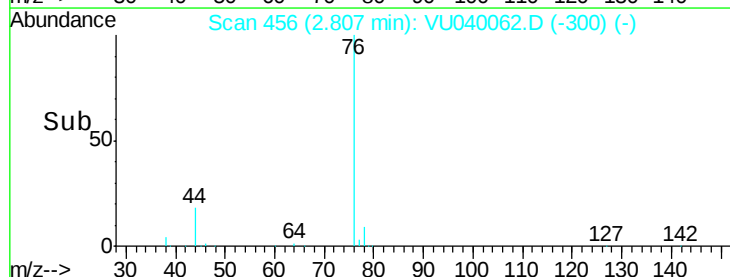
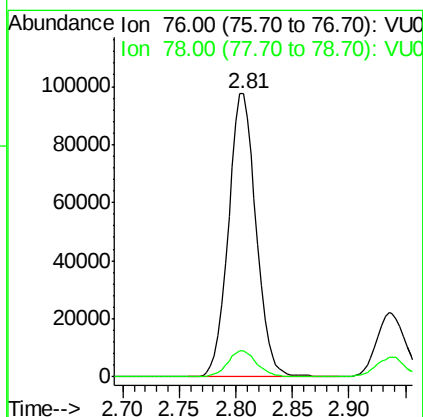
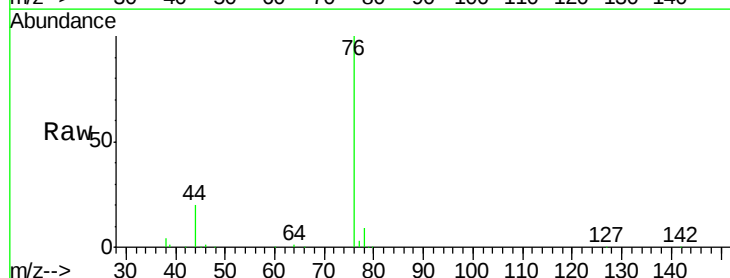
Manual Integrations
APPROVED

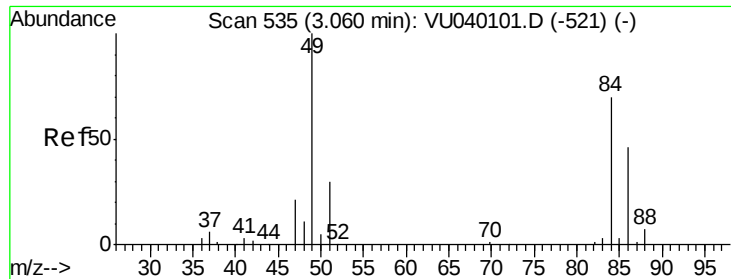
MMDadoda
9/17/2020 4:47:17 PM



#14
Carbon Disulfide
Concen: 6.177 ug/l
RT: 2.81 min Scan# 456
Delta R.T. 0.00 min
Lab File: VU040062.D
Acq: 09 Sep 2020 12:30

Tgt Ion: 76 Resp: 165895
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8





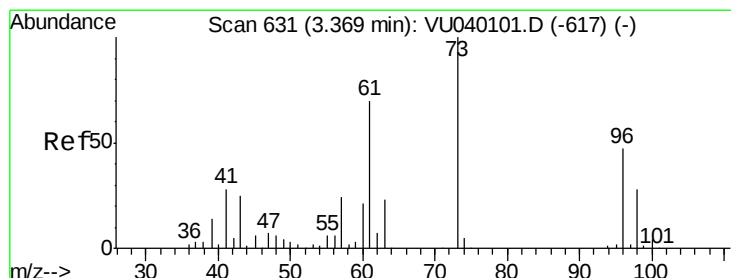
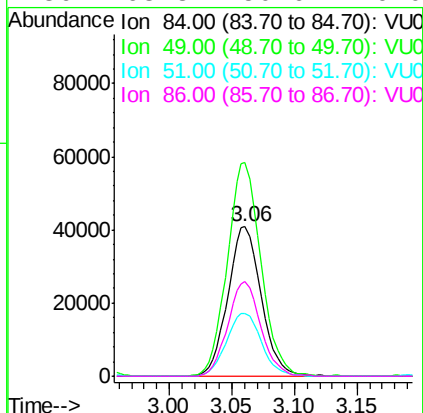
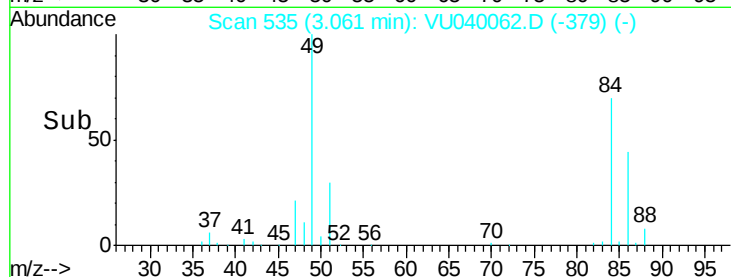
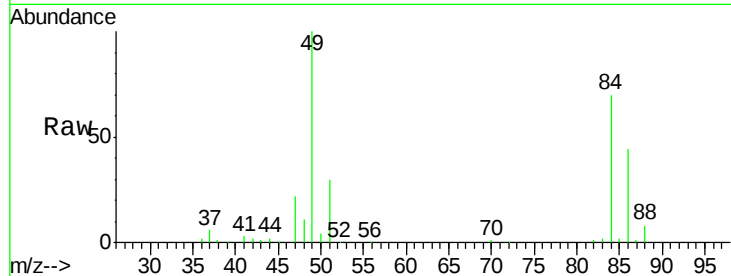
#15
Methvlene Chloride
Concen: 7.105 ug/l
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU040062.D
Acq: 09 Sep 2020 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
84	100		
49	142.9	114.3	171.5
51	42.3	0.0	84.6
86	63.3	50.6	76.0

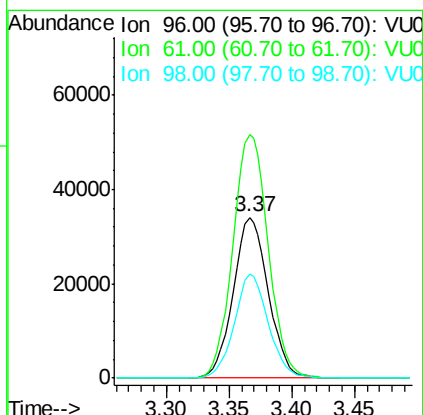
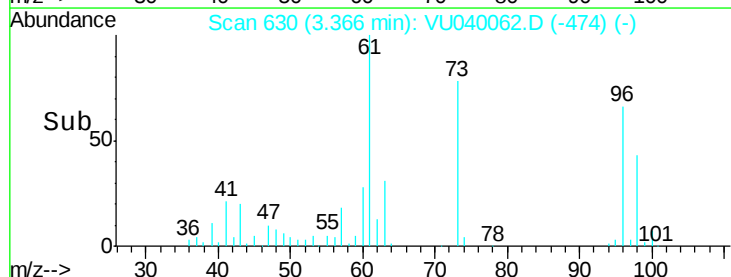
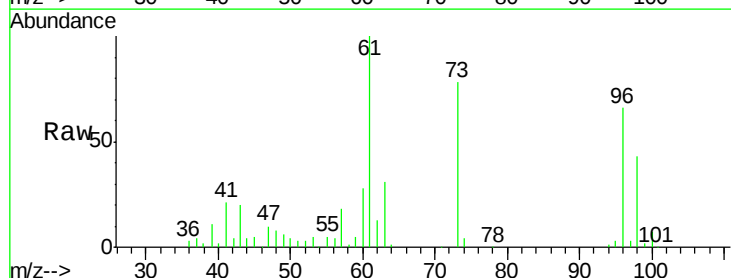
Manual Integrations
APPROVED

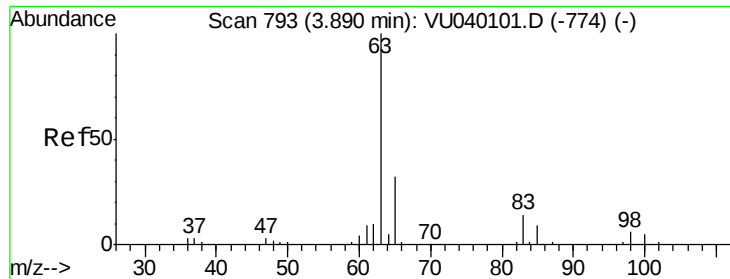
MMDadoda
9/17/2020 4:47:17 PM



#16
trans-1,2-Dichloroethene
Concen: 7.715 ug/l
RT: 3.37 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU040062.D
Acq: 09 Sep 2020 12:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.7	121.4	182.0
98	64.9	51.9	77.9





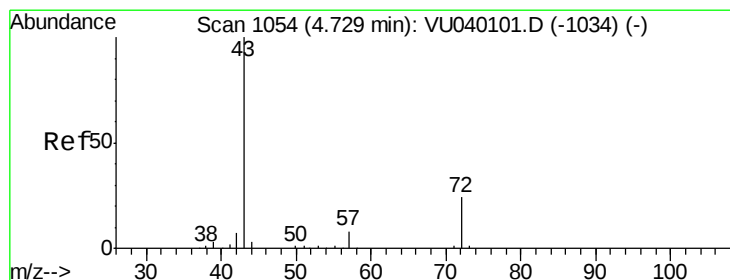
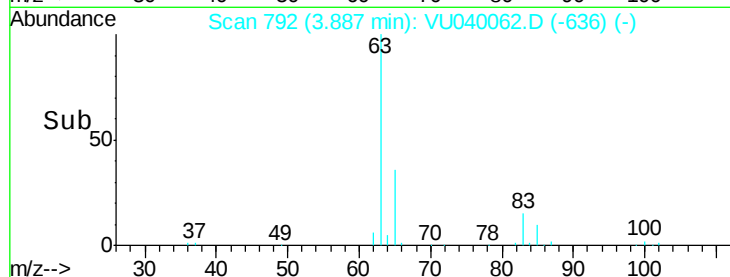
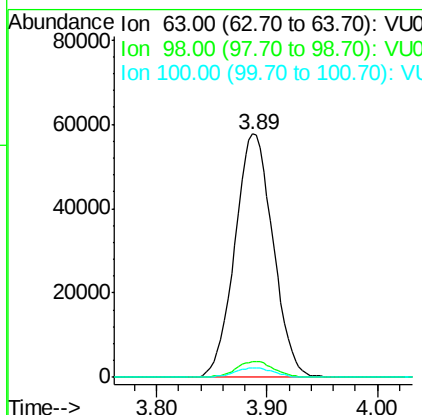
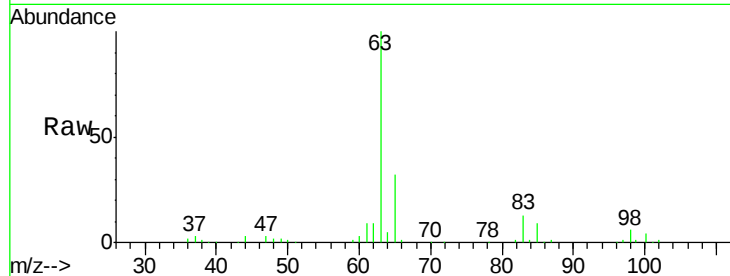
#17
 1,1-Dichloroethane
 Concen: 7.368 ug/l
 RT: 3.89 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: VU040062.D
 Acq: 09 Sep 2020 12:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	63	Resp	137890
Ion Ratio	Lower	Upper	
63	100		
98	6.3	3.1	9.4
100	3.9	2.0	5.8

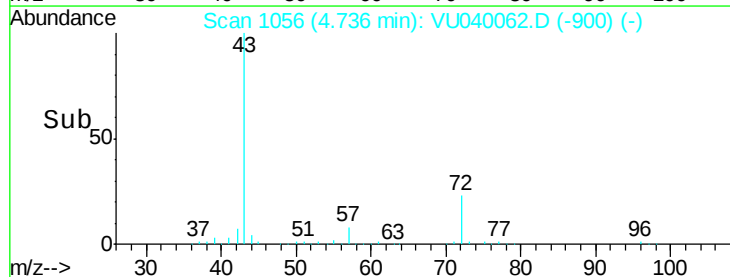
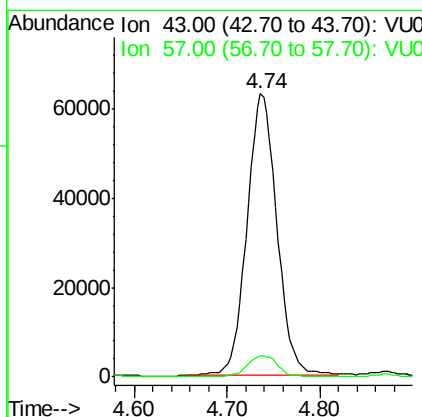
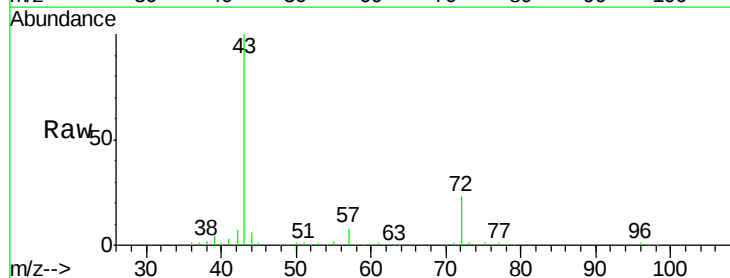
Manual Integrations
 APPROVED

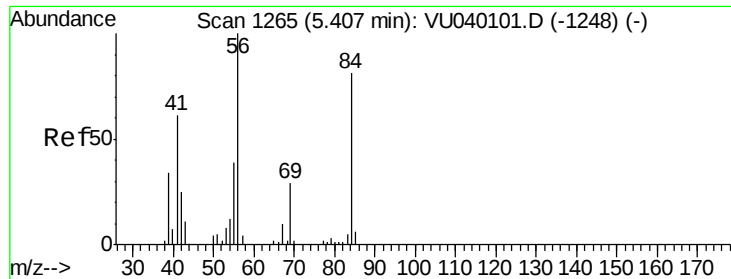
MMDadoda
 9/17/2020 4:47:17 PM



#18
 2-Butanone
 Concen: 34.134 ug/l
 RT: 4.74 min Scan# 1056
 Delta R.T. 0.00 min
 Lab File: VU040062.D
 Acq: 09 Sep 2020 12:30

Tgt Ion	43	Resp	141461
Ion Ratio	Lower	Upper	
43	100		
57	7.6	0.0	15.2





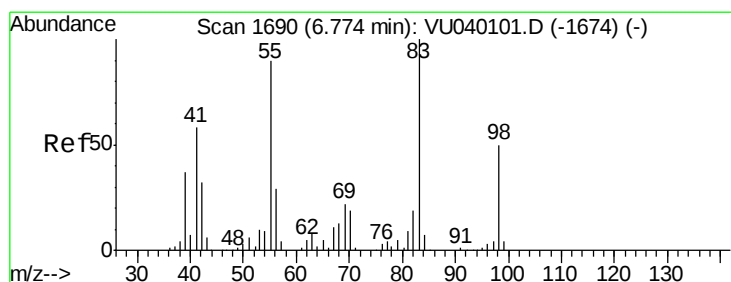
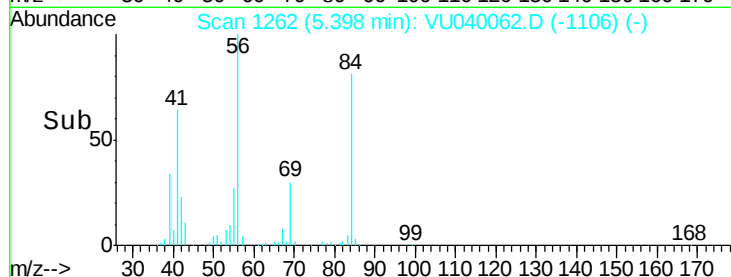
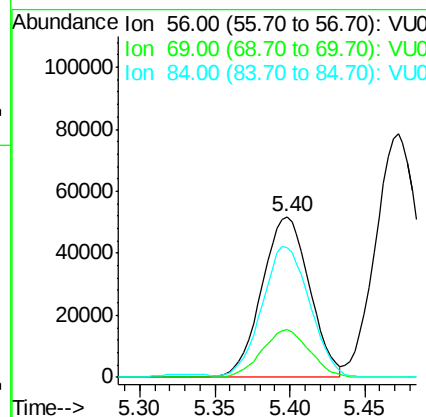
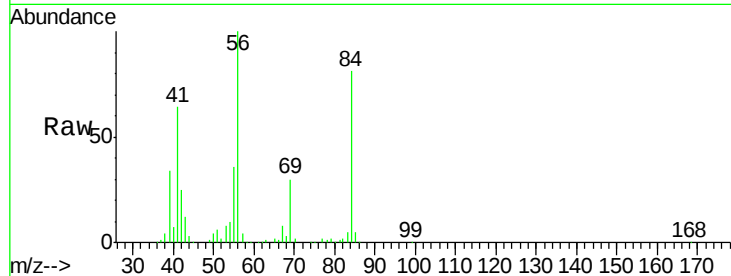
#19
Cyclohexane
Concen: 6.405 ug/l m
RT: 5.40 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VU040062.D
Acq: 09 Sep 2020 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.6	23.5	35.3
84	80.2	63.8	95.6

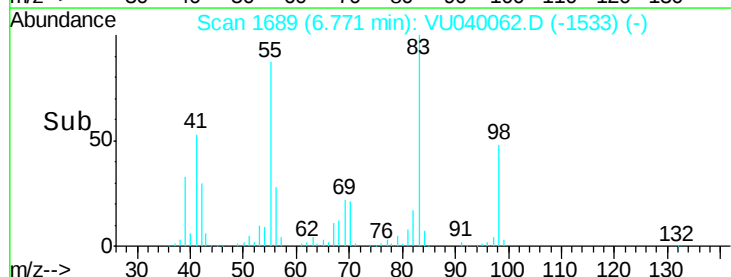
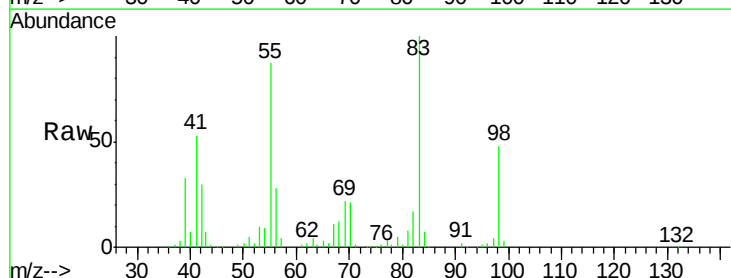
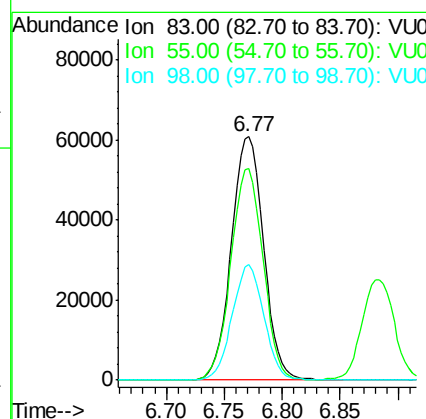
Manual Integrations
APPROVED

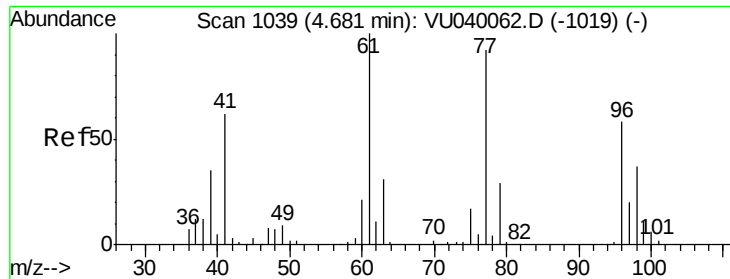
MMDadoda
9/17/2020 4:47:17 PM



#20
Methylcyclohexane
Concen: 8.638 ug/l
RT: 6.77 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VU040062.D
Acq: 09 Sep 2020 12:30

Tgt Ion	Ratio	Lower	Upper
83	100		
55	86.8	69.4	104.2
98	46.9	37.5	56.3





#21

2,2-Dichloropropane

Concen: 8.097 ug/l

RT: 4.68 min Scan# 1039

Delta R.T. 0.00 min

Lab File: VU040062.D

Acq: 09 Sep 2020 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 77 Resp: 125970

Ion Ratio Lower Upper

77 100

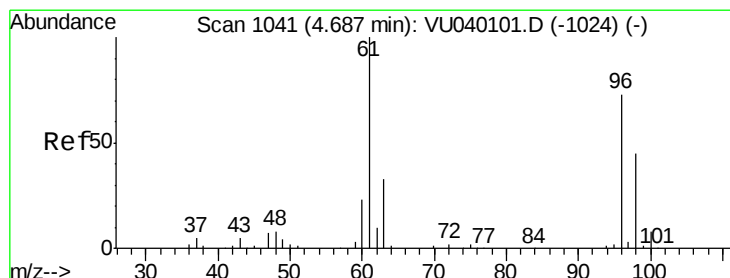
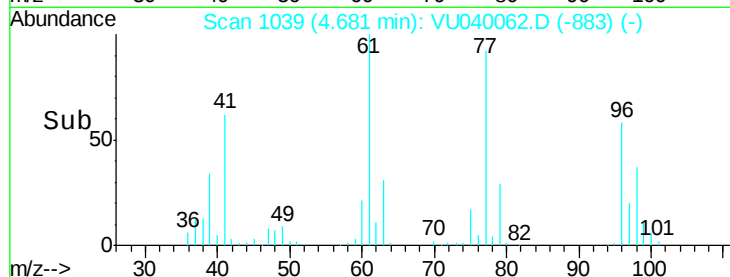
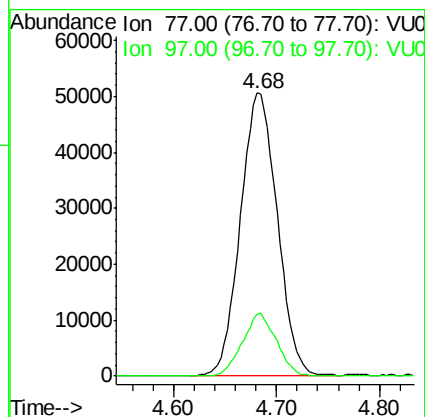
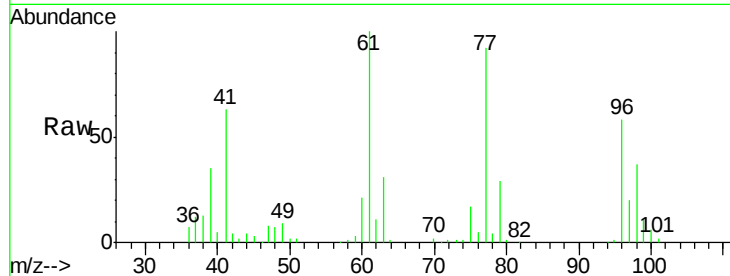
97 20.5 16.4 24.6

Manual Integrations

APPROVED

MMDadoda

9/17/2020 4:47:17 PM



#22

cis-1,2-Dichloroethene

Concen: 8.053 ug/l

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU040062.D

Acq: 09 Sep 2020 12:30

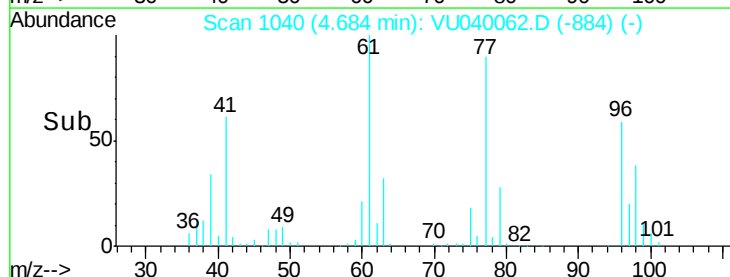
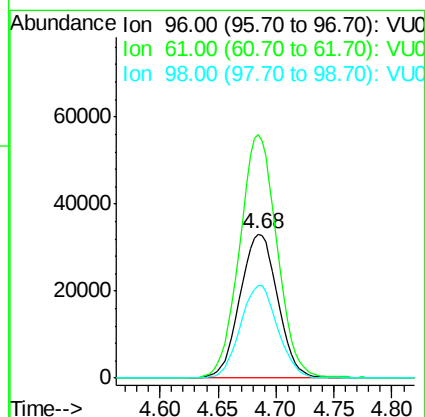
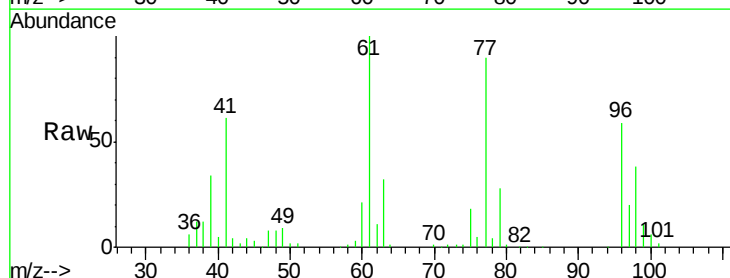
Tgt Ion: 96 Resp: 74985

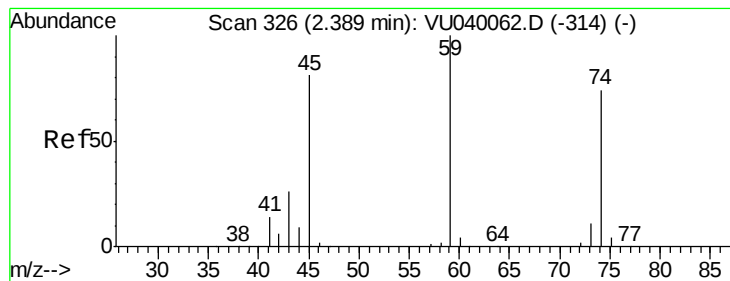
Ion Ratio Lower Upper

96 100

61 168.0 0.0 420.0

98 63.5 31.8 95.3





#23

Diethyl Ether

Concen: 7.262 ug/l

RT: 2.39 min Scan# 326

Delta R.T. 0.00 min

Lab File: VU040062.D

Acq: 09 Sep 2020 12:30

Instrument :

MSVOA_U

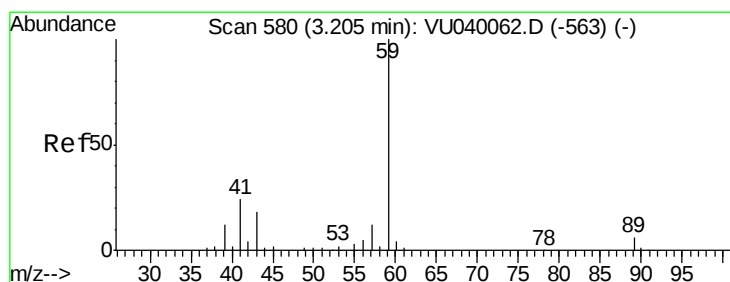
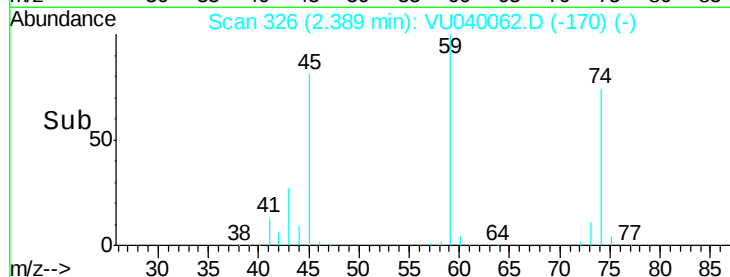
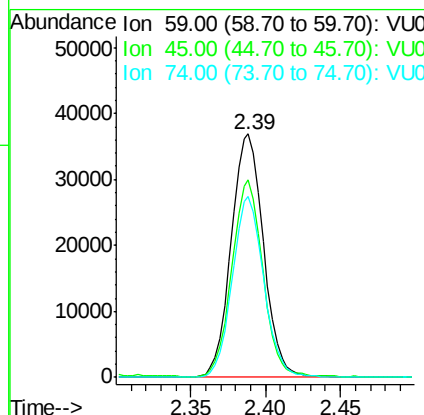
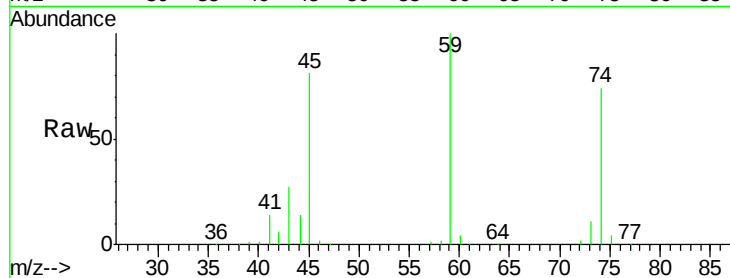
ClientSampleId :

VSTDICCC010

Tot Ion:	59	Resp:	55673
Ion	Ratio	Lower	Upper
59	100		
45	78.0	62.4	93.6
74	72.1	57.7	86.5

Manual Integrations
APPROVED

MMDadoda
9/17/2020 4:47:17 PM



#24

tert-Butyl Alcohol

Concen: 51.203 ug/l

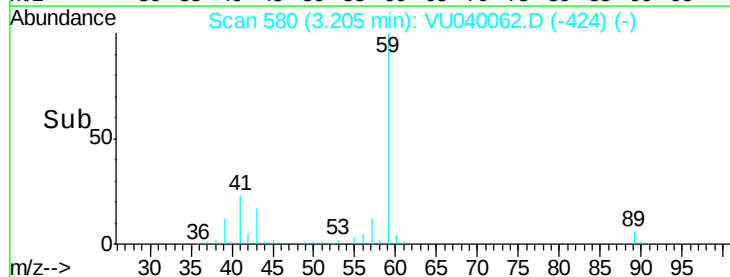
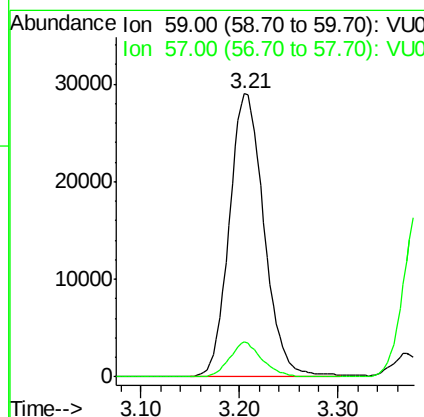
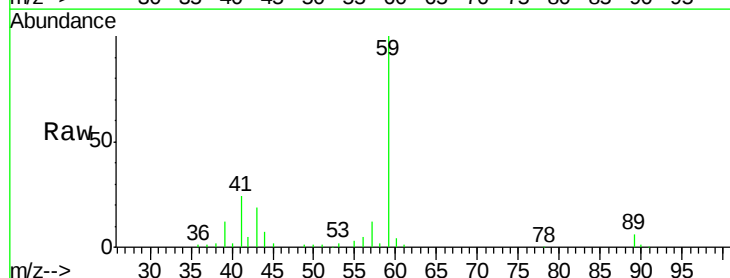
RT: 3.21 min Scan# 580

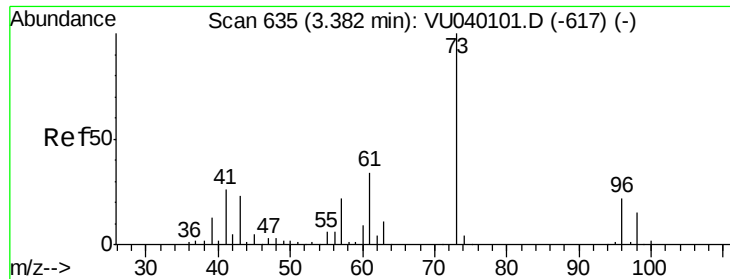
Delta R.T. 0.00 min

Lab File: VU040062.D

Acq: 09 Sep 2020 12:30

Tgt Ion:	59	Resp:	71320
Ion	Ratio	Lower	Upper
59	100		
57	11.3	9.0	13.6





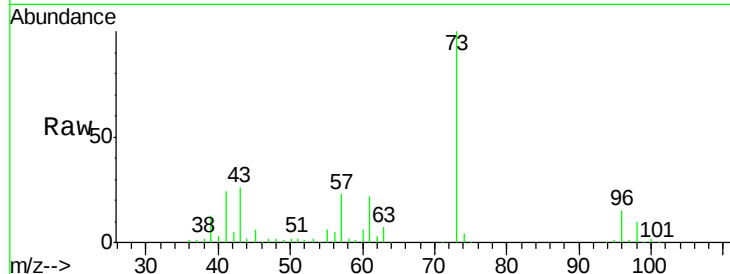
#25
Methvl tert-Butvl Ether
Concen: 8.070 ug/l
RT: 3.39 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU040062.D
Acq: 09 Sep 2020 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

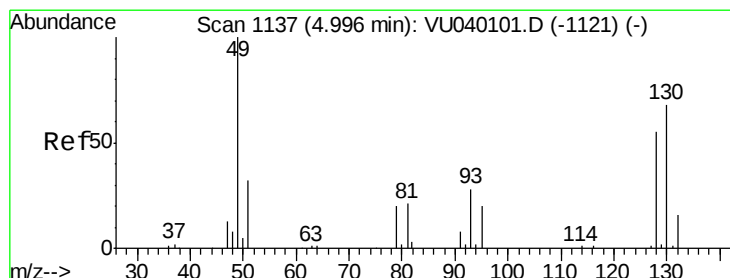
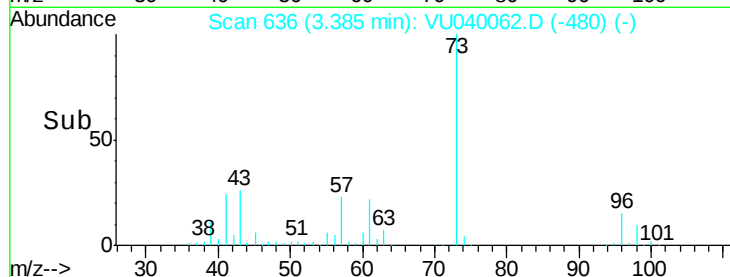
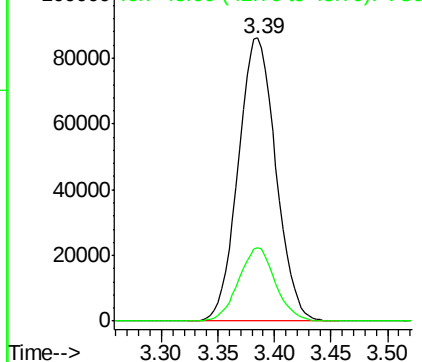
Tot Ion: 73 Resp: 199509
Ion Ratio Lower Upper
73 100
43 25.0 20.0 30.0

Manual Integrations
APPROVED

MMDadoda
9/17/2020 4:47:17 PM

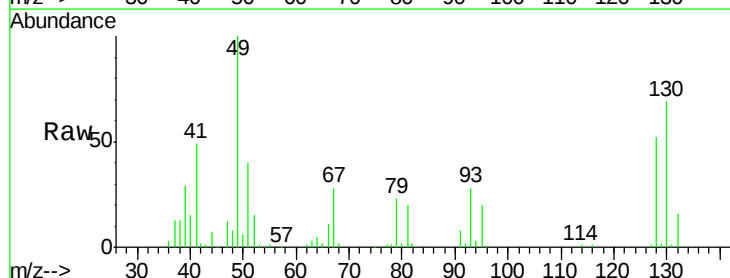


Abundance Ion 73.00 (72.70 to 73.70): VU040101.D (-617) (-)
Ion 43.00 (42.70 to 43.70): VU040101.D (-617) (-)

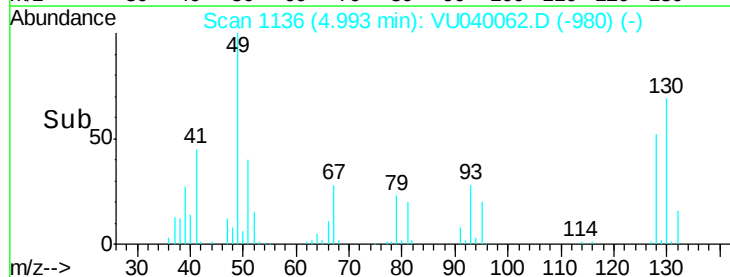
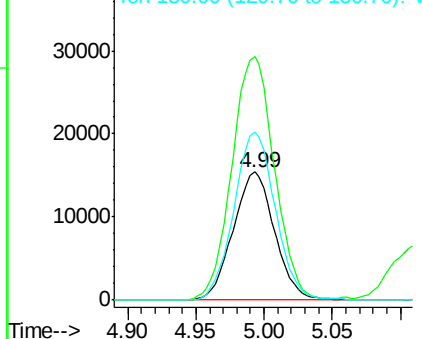


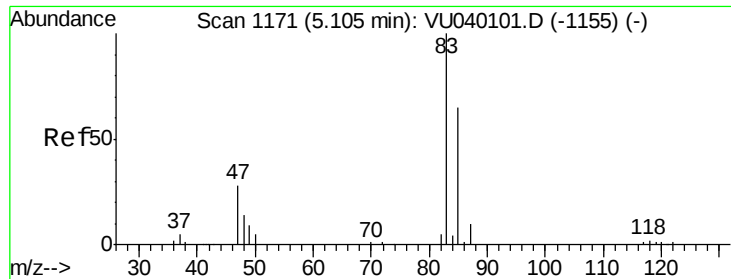
#26
Bromochloromethane
Concen: 8.437 ug/l
RT: 4.99 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VU040062.D
Acq: 09 Sep 2020 12:30

Tgt Ion: 128 Resp: 32460
Ion Ratio Lower Upper
128 100
49 195.3 0.0 390.6
130 131.1 104.9 157.3



Abundance Ion 128.00 (127.70 to 128.70): VU040101.D (-1121) (-)
Ion 49.00 (48.70 to 49.70): VU040101.D (-1121) (-)
Ion 130.00 (129.70 to 130.70): VU040101.D (-1121) (-)





#27

Chloroform

Concen: 7.893 ug/l

RT: 5.11 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VU040062.D

Acq: 09 Sep 2020 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 83 Resp: 140147

Ion Ratio Lower Upper

83 100

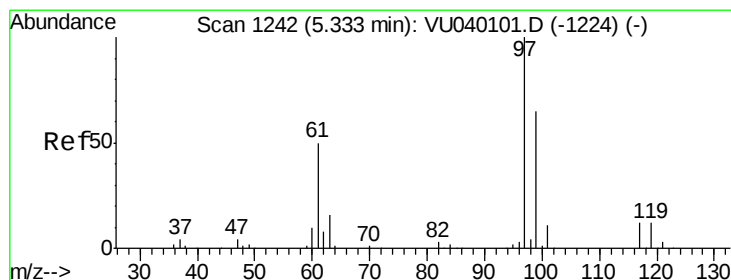
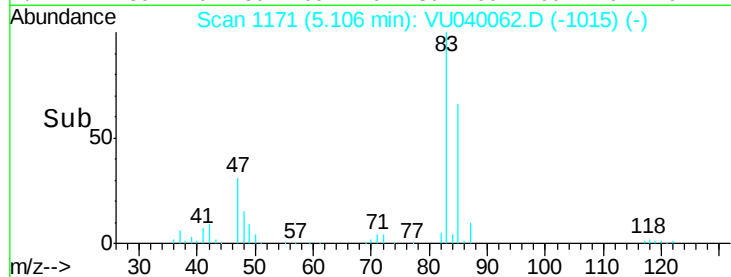
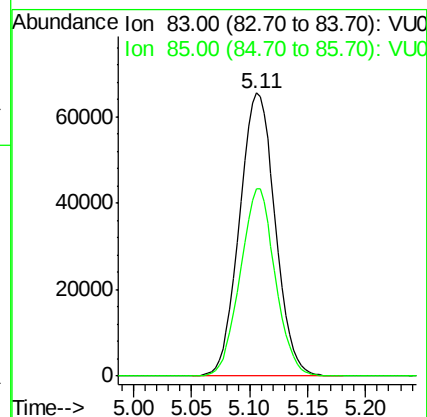
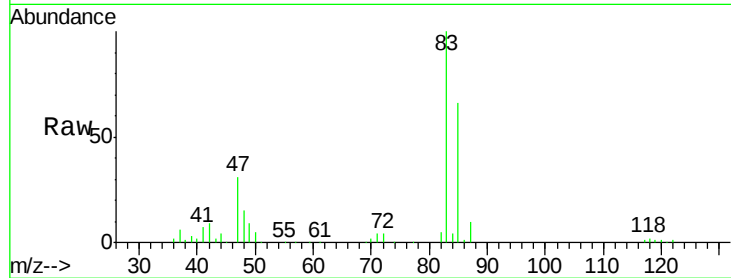
85 66.2 0.0 132.4

Manual Integrations

APPROVED

MMDadoda

9/17/2020 4:47:17 PM



#28

1,1,1-Trichloroethane

Concen: 8.612 ug/l

RT: 5.33 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VU040062.D

Acq: 09 Sep 2020 12:30

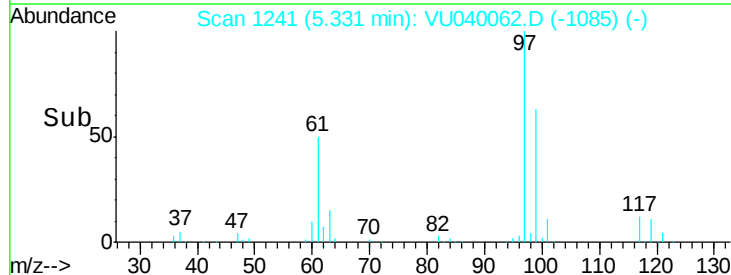
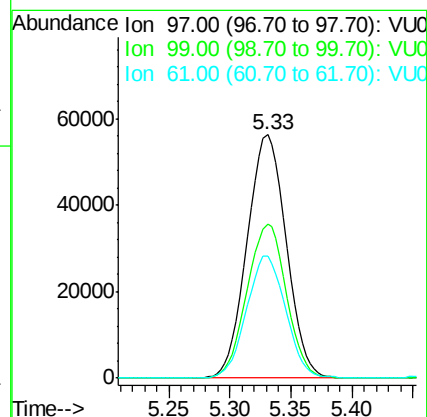
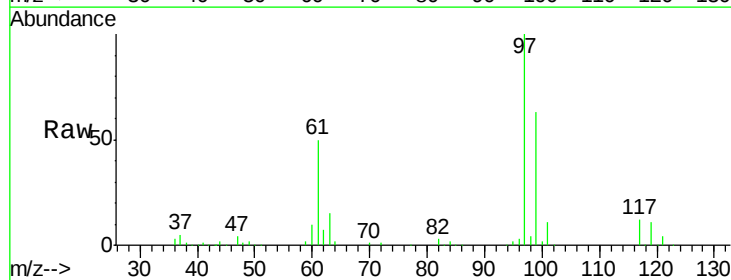
Tgt Ion: 97 Resp: 125142

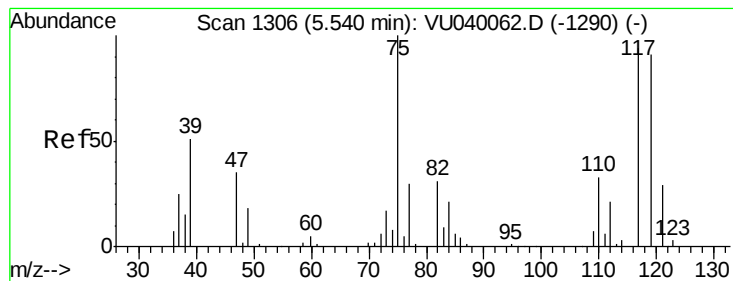
Ion Ratio Lower Upper

97 100

99 63.6 31.8 95.4

61 50.1 25.1 75.2





#29

1,1-Dichloropropene

Concen: 7.717 ug/l

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU040062.D

Acq: 09 Sep 2020 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 75 Resp: 106298
Ion Ratio Lower Upper

75 100

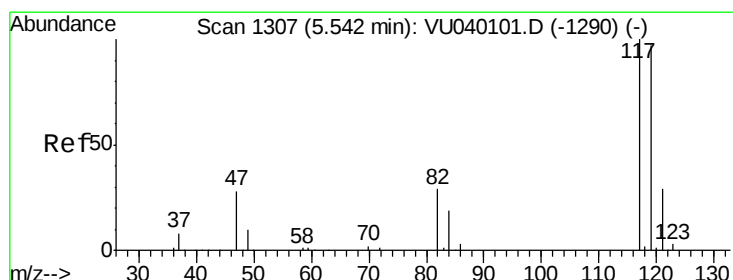
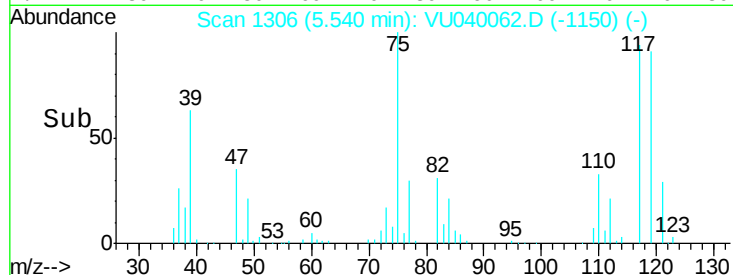
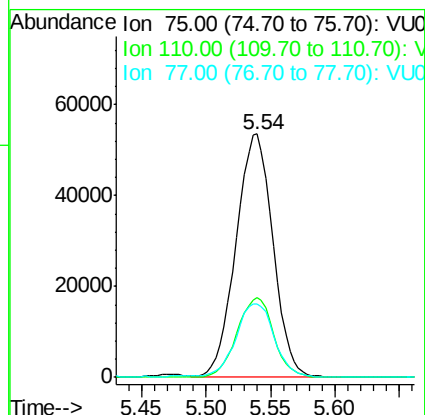
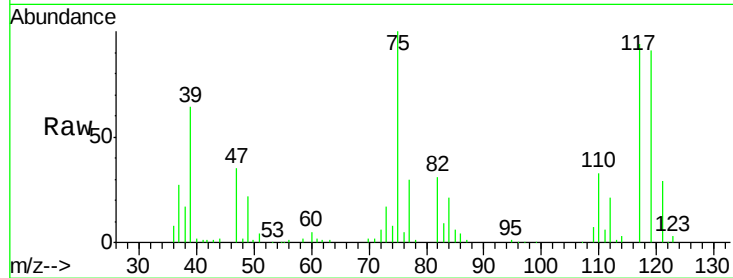
110 32.4 16.2 48.6

77 31.6 25.3 37.9

Manual Integrations
APPROVED

MMDadoda

9/17/2020 4:47:17 PM



#30

Carbon Tetrachloride

Concen: 9.523 ug/l

RT: 5.54 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU040062.D

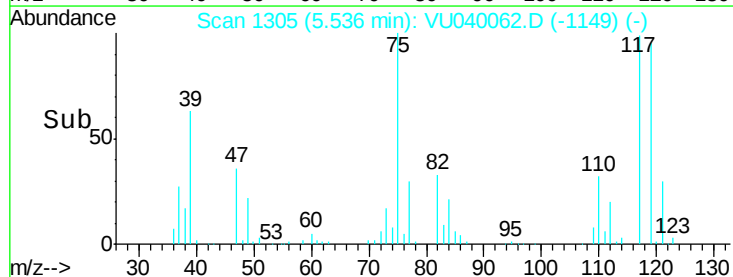
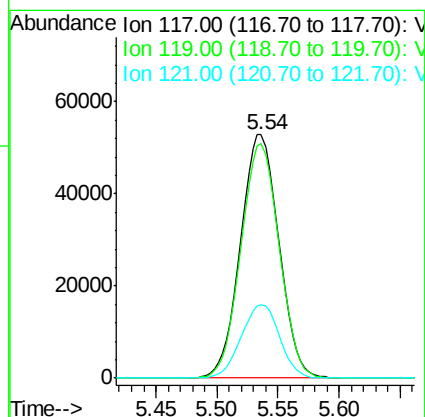
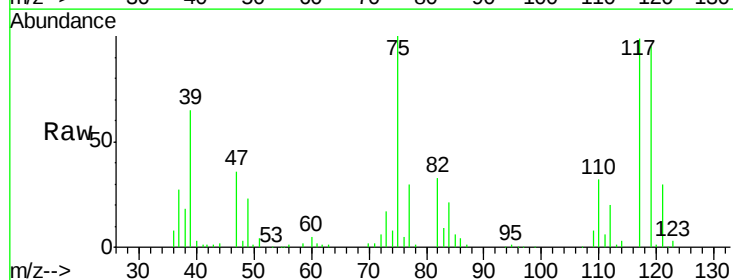
Acq: 09 Sep 2020 12:30

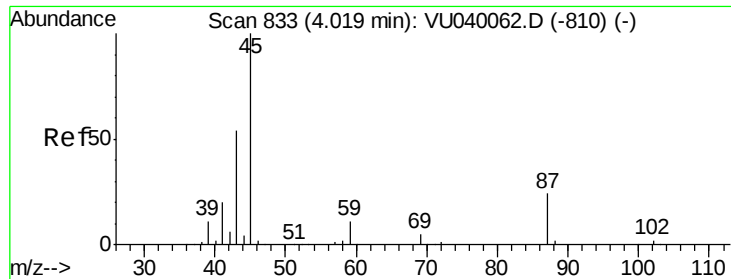
Tgt Ion: 117 Resp: 114978
Ion Ratio Lower Upper

117 100

119 96.2 77.0 115.4

121 30.3 24.2 36.4





#31

Isopropyl Ether

Concen: 7.130 ug/l

RT: 4.02 min Scan# 833

Delta R.T. 0.00 min

Lab File: VU040062.D

Acq: 09 Sep 2020 12:30

Tot Ion: 45 Resp: 242393

Ion Ratio Lower Upper

45 100

43 55.8 27.9 83.7

Instrument :

MSVOA_U

ClientSampleId :

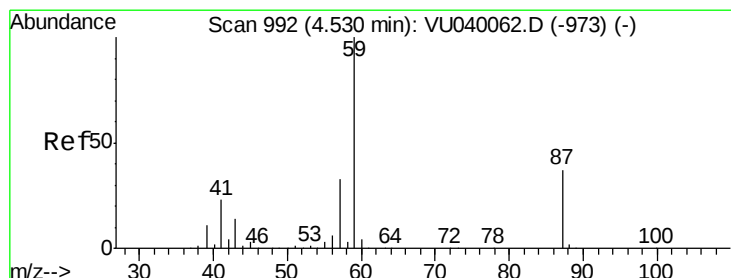
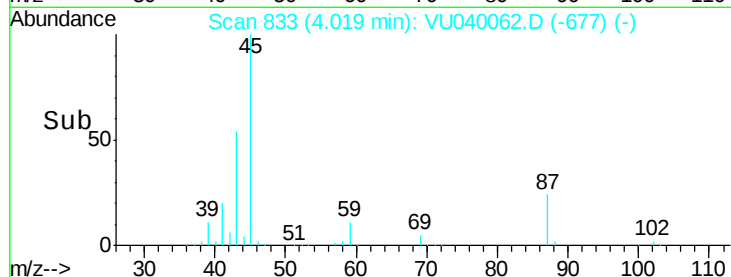
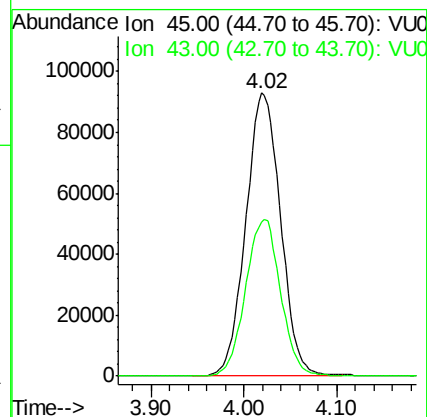
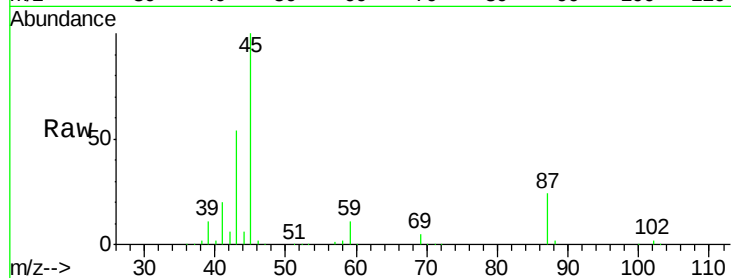
VSTDICCC010

Manual Integrations

APPROVED

MMDadoda

9/17/2020 4:47:17 PM



#32

Ethyl-t-butyl ether

Concen: 7.657 ug/l

RT: 4.53 min Scan# 992

Delta R.T. 0.00 min

Lab File: VU040062.D

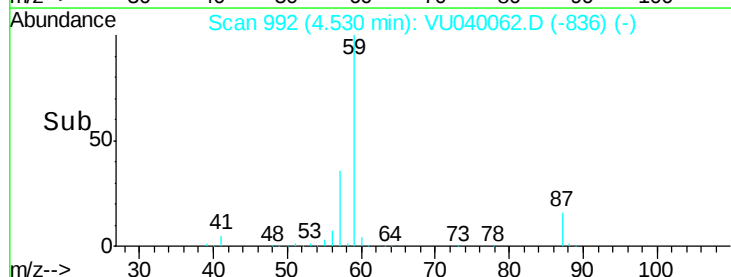
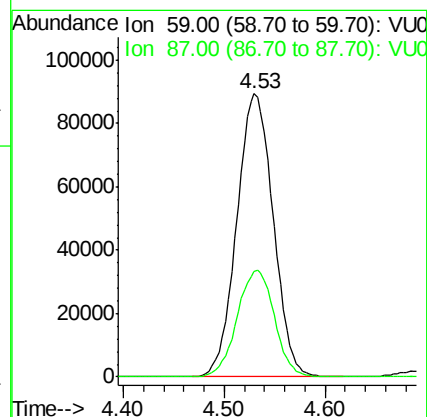
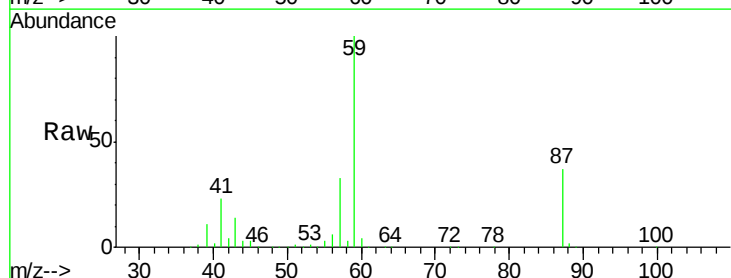
Acq: 09 Sep 2020 12:30

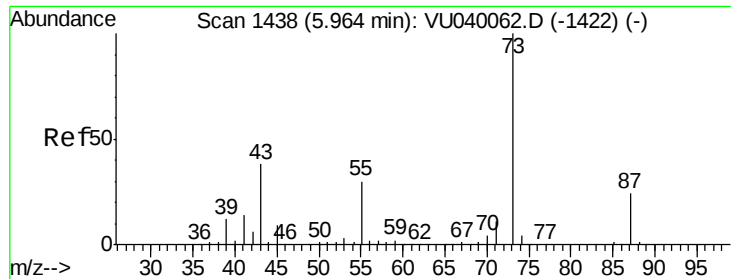
Tgt Ion: 59 Resp: 223608

Ion Ratio Lower Upper

59 100

87 38.4 30.7 46.1





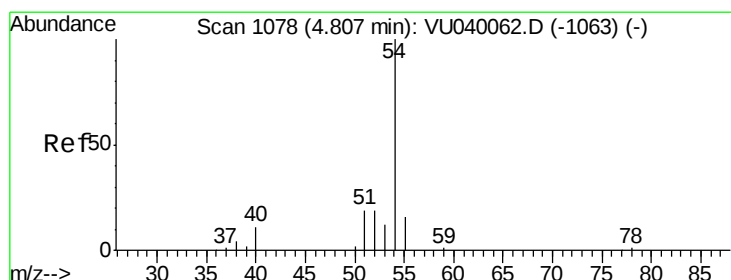
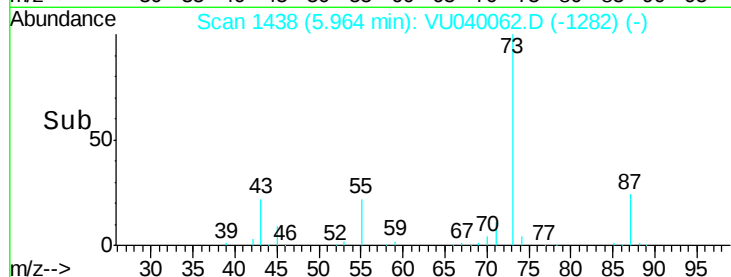
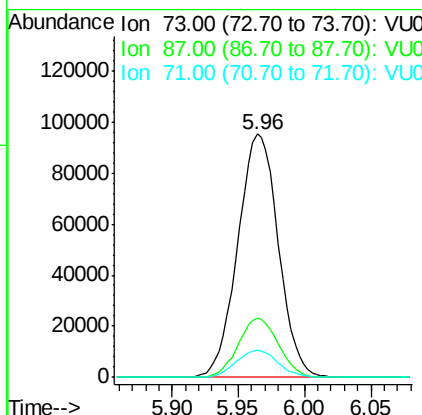
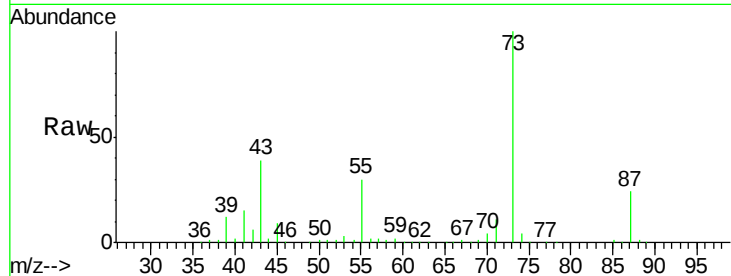
#33
Tert-Butyl methyl ether
Concen: 9.303 ug/l
RT: 5.96 min Scan# 1438
Delta R.T. 0.00 min
Lab File: VU040062.D
Acq: 09 Sep 2020 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
73	100		
87	24.2	19.4	29.0
71	11.5	9.2	13.8

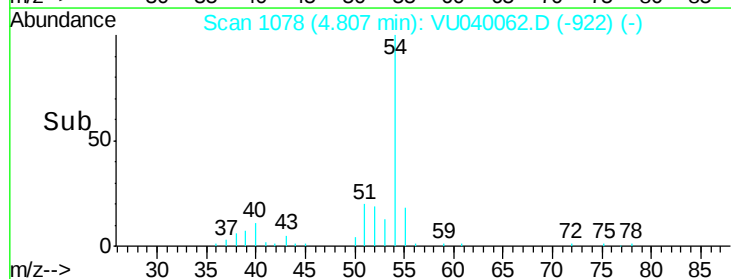
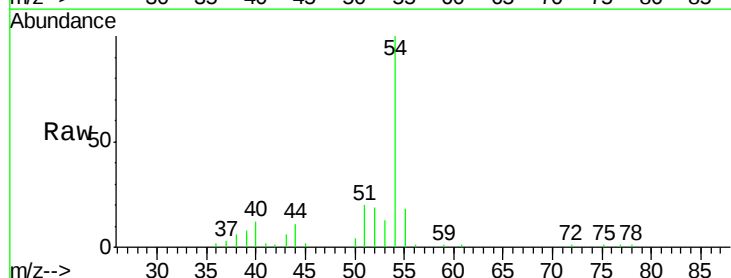
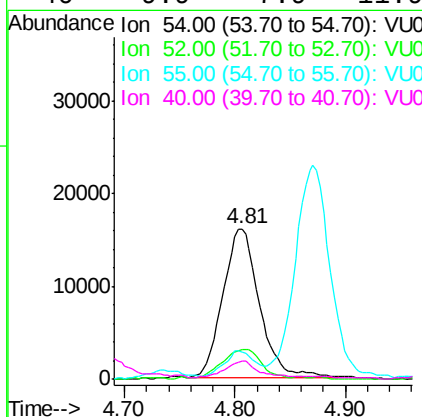
Manual Integrations
APPROVED

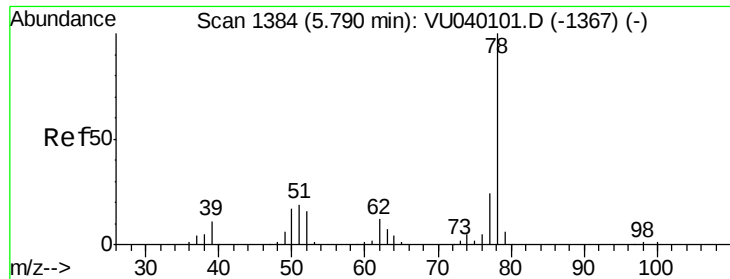
MMDadoda
9/17/2020 4:47:17 PM



#34
Propionitrile
Concen: 35.794 ug/l
RT: 4.81 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VU040062.D
Acq: 09 Sep 2020 12:30

Tgt Ion	Ratio	Lower	Upper
54	100		
52	20.3	16.2	24.4
55	15.7	12.6	18.8
40	9.9	7.9	11.9





#35

Benzene

Concen: 8.686 ug/l

RT: 5.79 min Scan# 1383

Delta R.T. 0.00 min

Lab File: VU040062.D

Acq: 09 Sep 2020 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 78 Resp: 301402

Ion Ratio Lower Upper

78 100

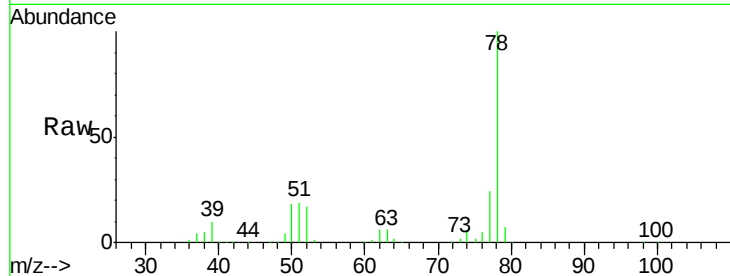
77 23.9 19.1 28.7

Manual Integrations

APPROVED

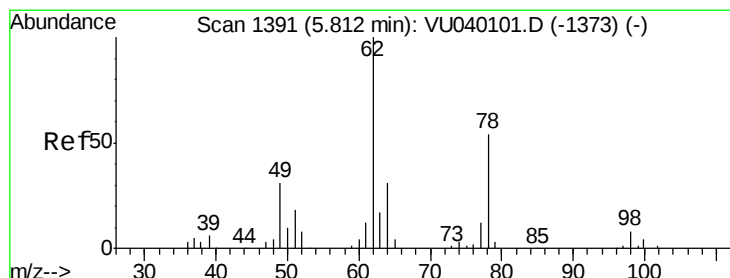
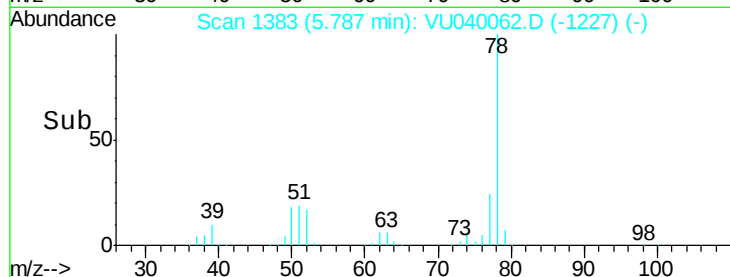
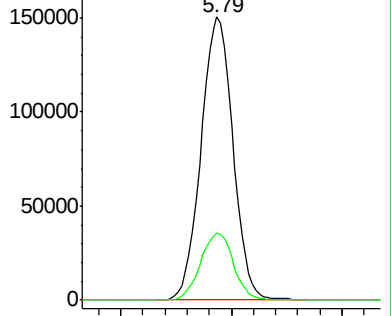
MMDadoda

9/17/2020 4:47:17 PM



Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0



#36

1,2-Dichloroethane

Concen: 8.855 ug/l

RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VU040062.D

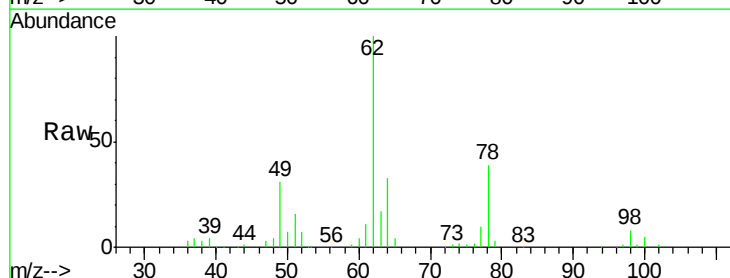
Acq: 09 Sep 2020 12:30

Tgt Ion: 62 Resp: 115530

Ion Ratio Lower Upper

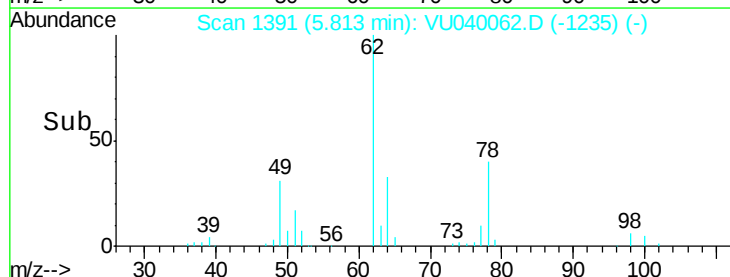
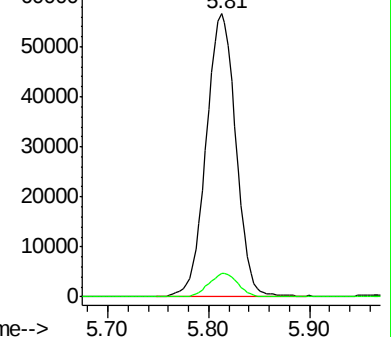
62 100

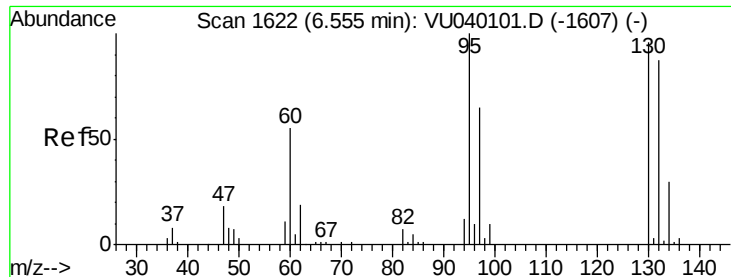
98 8.1 6.5 9.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





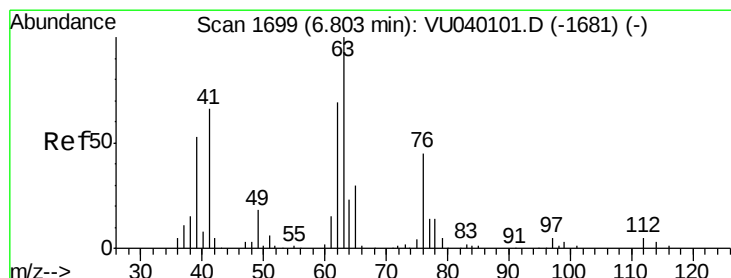
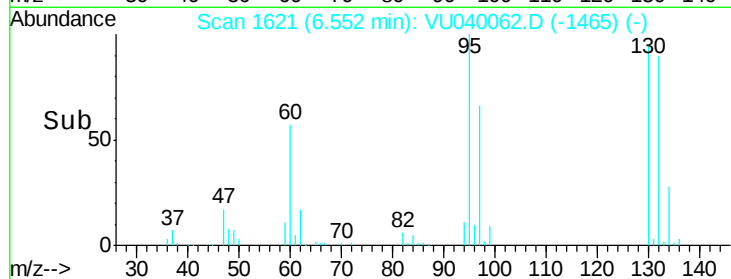
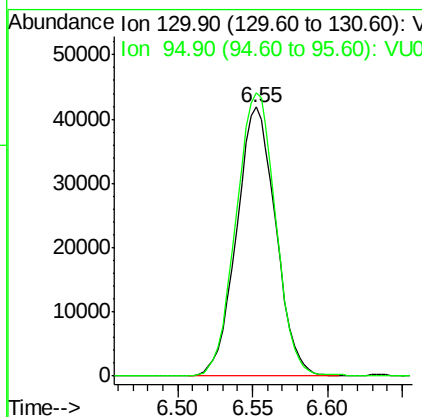
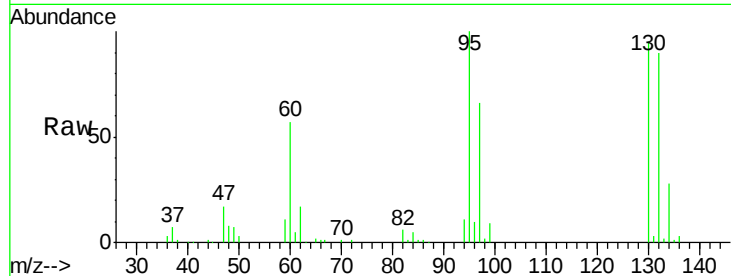
#37
 Trichloroethene
 Concen: 9.506 ug/l
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU040062.D
 Acq: 09 Sep 2020 12:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion:130 Resp: 76289
 Ion Ratio Lower Upper
 130 100
 95 105.2 84.2 126.2

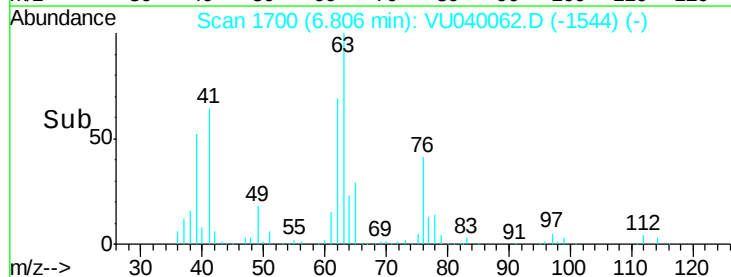
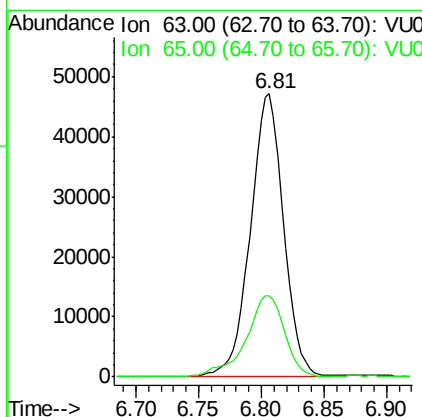
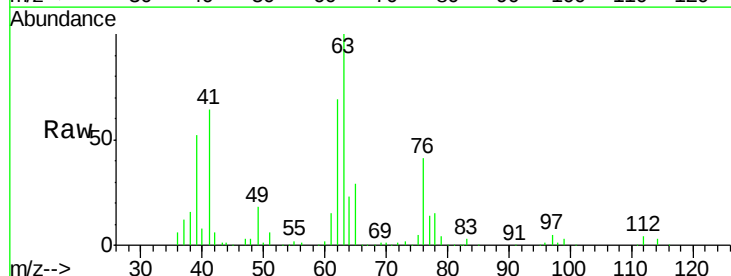
Manual Integrations
 APPROVED

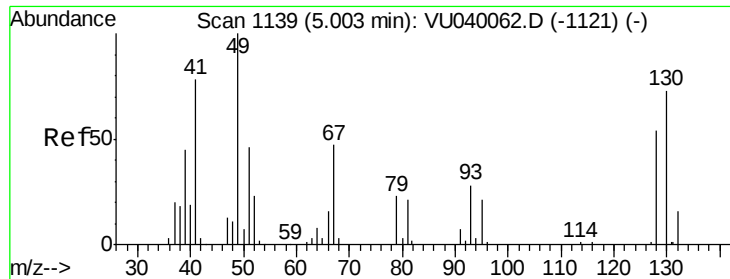
MMDadoda
 9/17/2020 4:47:17 PM



#38
 1,2-Dichloropropane
 Concen: 9.094 ug/l
 RT: 6.81 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VU040062.D
 Acq: 09 Sep 2020 12:30

Tgt Ion: 63 Resp: 86763
 Ion Ratio Lower Upper
 63 100
 65 28.8 23.0 34.6





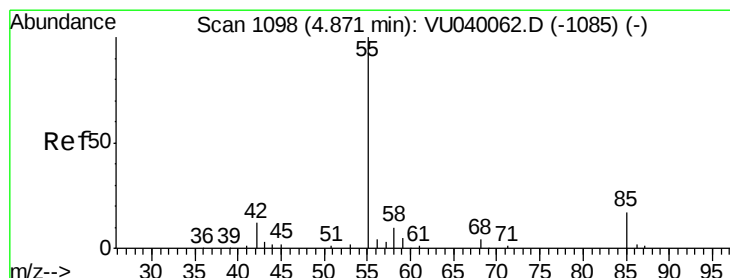
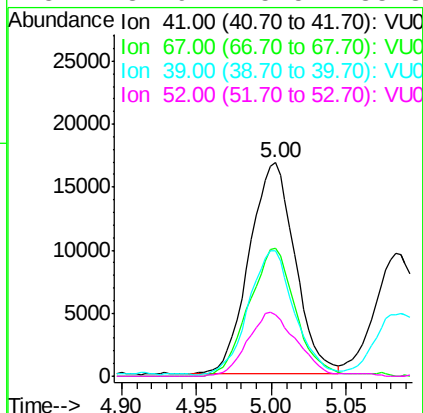
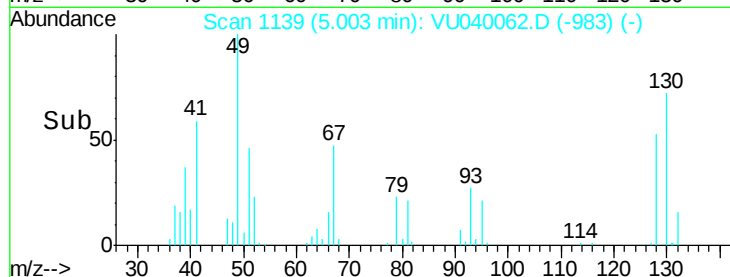
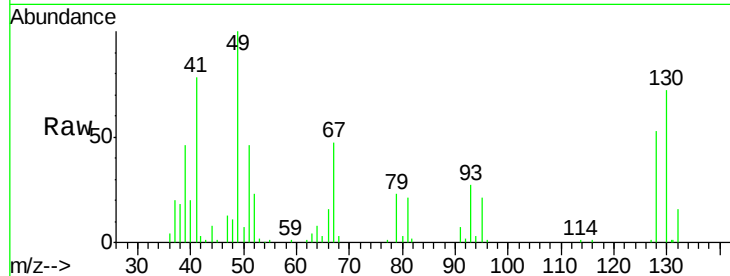
#39
Methacrylonitrile
Concen: 6.605 ug/l
RT: 5.00 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VU040062.D
Acq: 09 Sep 2020 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
41	100		
67	61.5	49.2	73.8
39	58.1	46.5	69.7
52	31.9	25.5	38.3

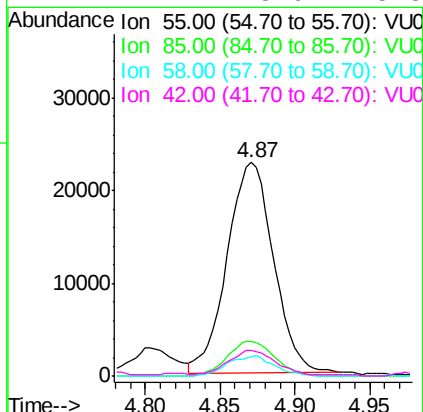
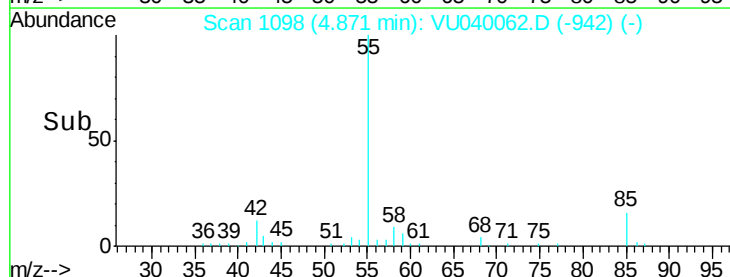
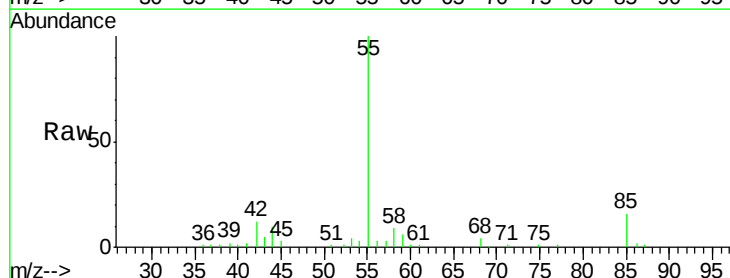
Manual Integrations
APPROVED

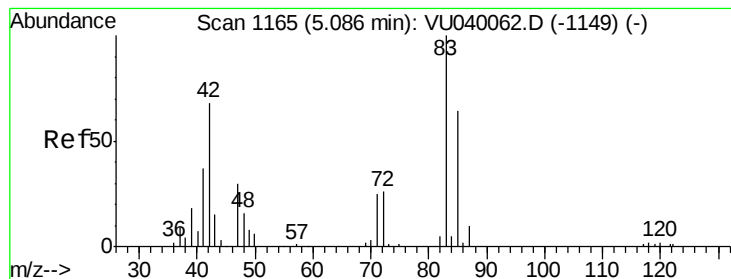
MMDadoda
9/17/2020 4:47:17 PM



#40
Methyl acrylate
Concen: 7.050 ug/l
RT: 4.87 min Scan# 1098
Delta R.T. 0.00 min
Lab File: VU040062.D
Acq: 09 Sep 2020 12:30

Tgt Ion	Ratio	Lower	Upper
55	100		
85	16.6	13.3	19.9
58	9.4	7.5	11.3
42	11.1	8.9	13.3





#41

Tetrahydrofuran

Concen: 12.422 ug/l

RT: 5.09 min Scan# 1165

Delta R.T. 0.00 min

Lab File: VU040062.D

Acq: 09 Sep 2020 12:30

Instrument :

MSVOA_U

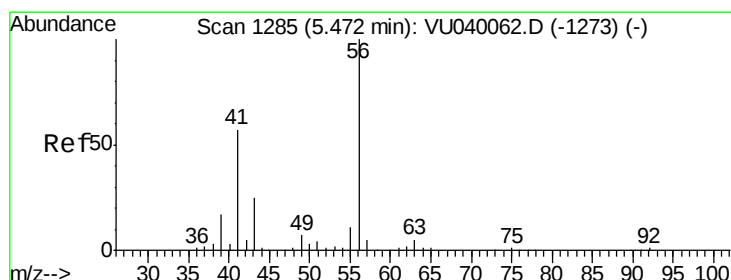
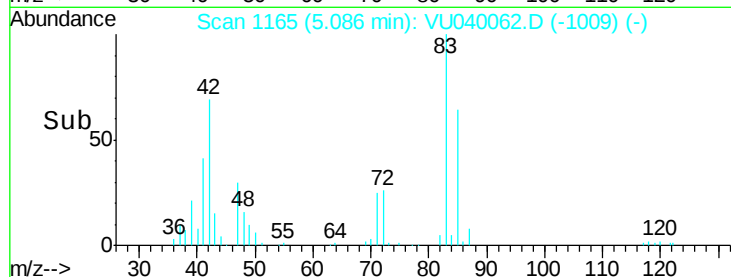
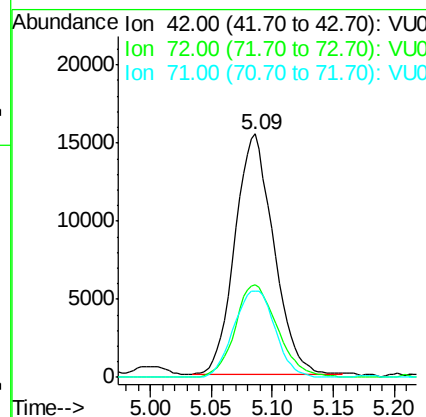
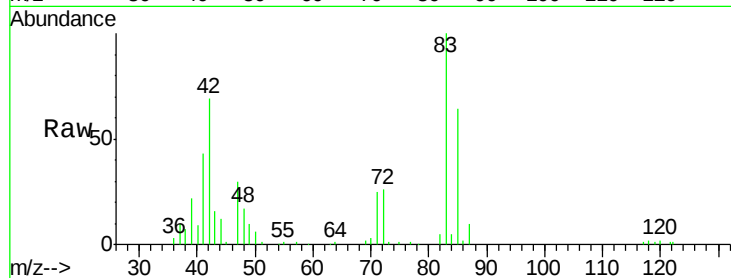
ClientSampleId :

VSTDICCC010

Tot Ion:	42	Resp:	33709
Ion	Ratio	Lower	Upper
42	100		
72	42.2	33.8	50.6
71	38.6	30.9	46.3

Manual Integrations
APPROVED

MMDadoda
9/17/2020 4:47:17 PM



#42

1-Chlorobutane

Concen: 7.442 ug/l

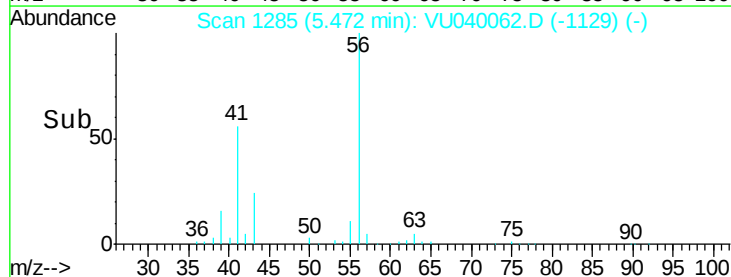
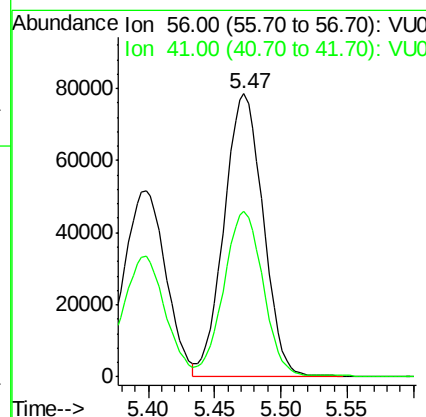
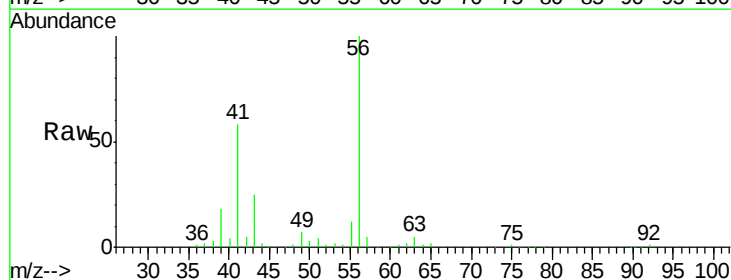
RT: 5.47 min Scan# 1285

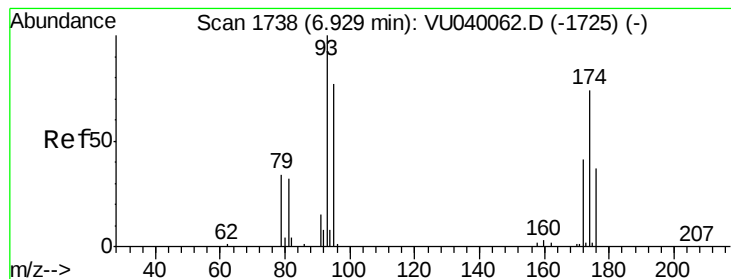
Delta R.T. 0.00 min

Lab File: VU040062.D

Acq: 09 Sep 2020 12:30

Tgt Ion:	56	Resp:	159866
Ion	Ratio	Lower	Upper
56	100		
41	58.4	29.2	87.6





#43

Dibromomethane

Concen: 9.300 ug/l

RT: 6.93 min Scan# 1738

Delta R.T. 0.00 min

Lab File: VU040062.D

Acq: 09 Sep 2020 12:30

Instrument :

MSVOA_U

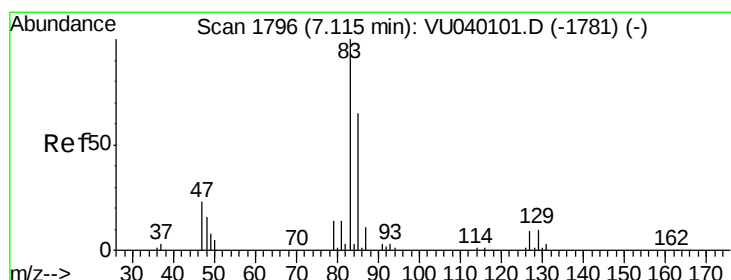
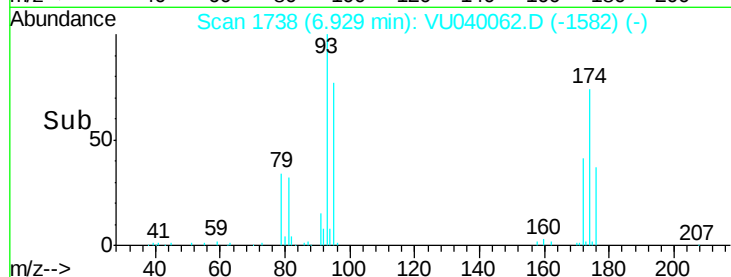
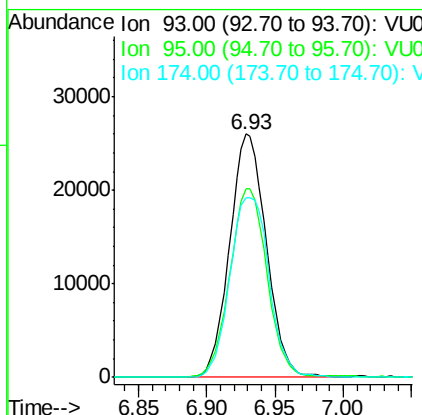
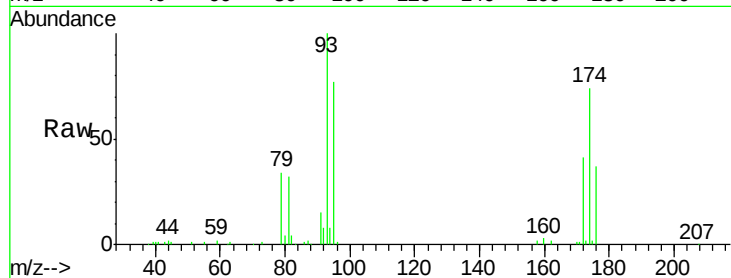
ClientSampleId :

VSTDICCC010

Tot Ion:	93	Resp:	48438
Ion	Ratio	Lower	Upper
93	100		
95	79.1	63.3	94.9
174	79.4	63.5	95.3

Manual Integrations
APPROVED

MMDadoda
9/17/2020 4:47:17 PM



#44

Bromodichloromethane

Concen: 9.825 ug/l

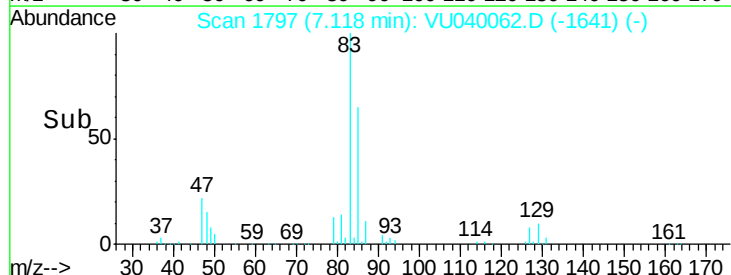
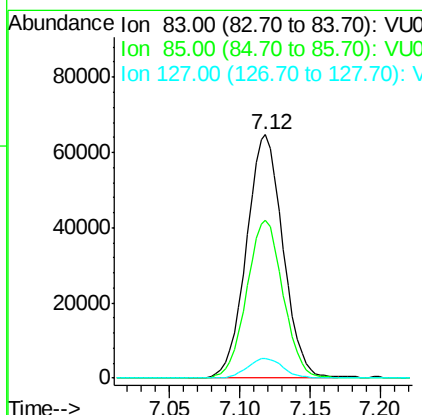
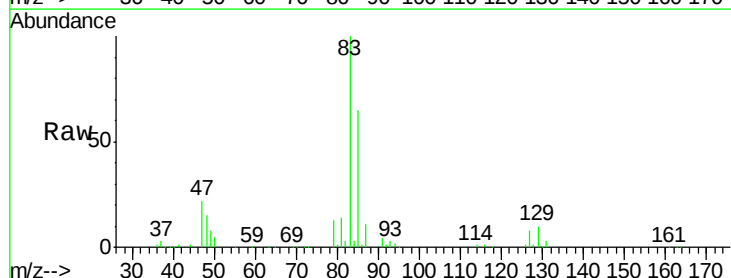
RT: 7.12 min Scan# 1797

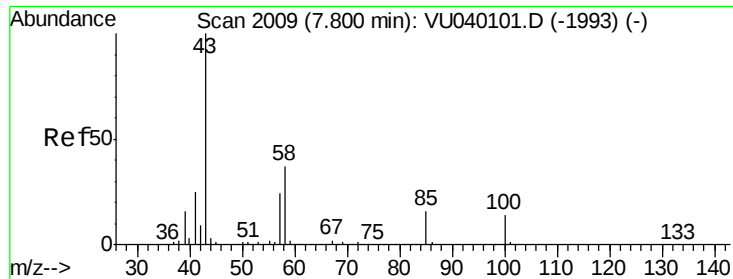
Delta R.T. 0.00 min

Lab File: VU040062.D

Acq: 09 Sep 2020 12:30

Tgt Ion:	83	Resp:	117138
Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.1	78.1
127	8.2	6.6	9.8





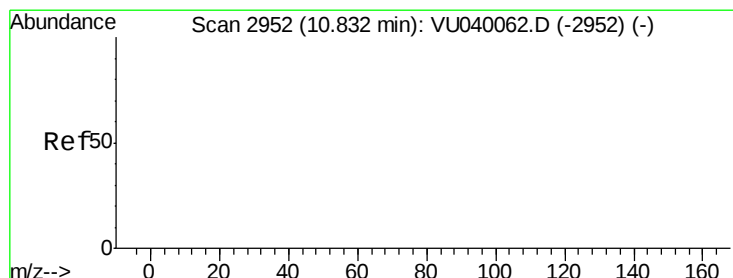
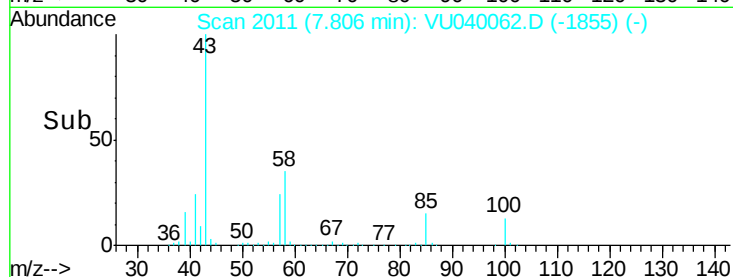
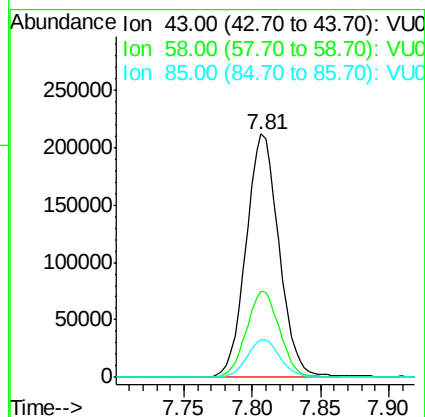
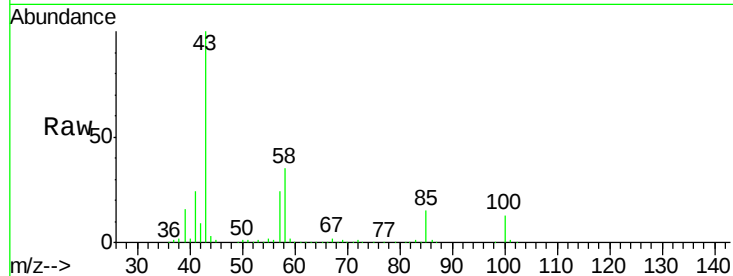
#45
4-Methyl-2-Pentanone
Concen: 45.746 ug/l
RT: 7.81 min Scan# 2011
Delta R.T. 0.00 min
Lab File: VU040062.D
Acq: 09 Sep 2020 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.2	18.1	54.3
85	15.4	12.3	18.5

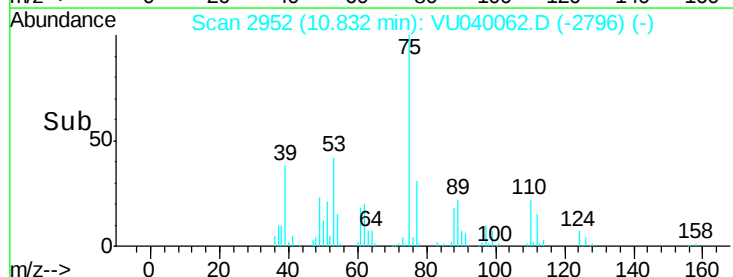
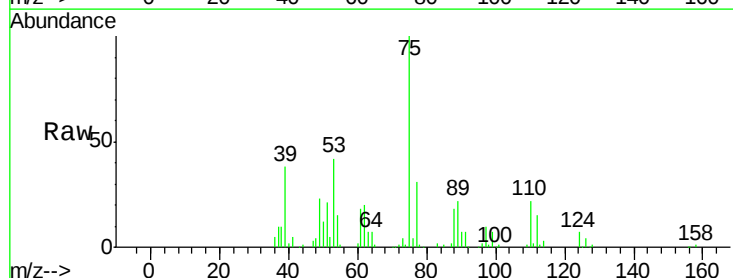
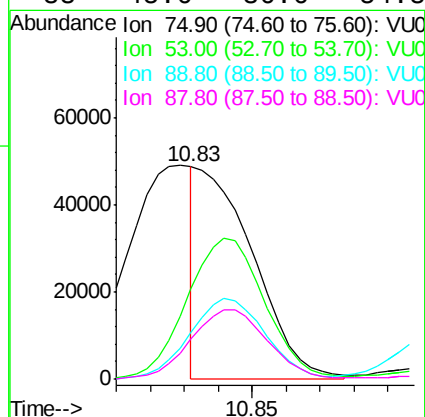
Manual Integrations
APPROVED

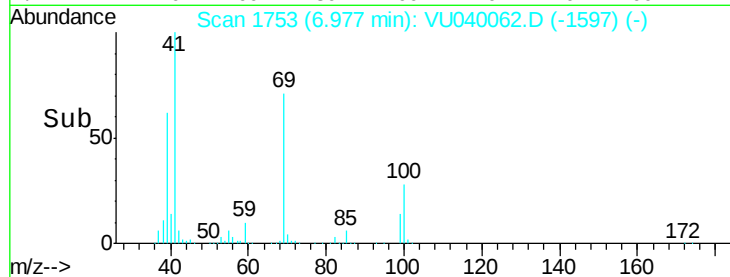
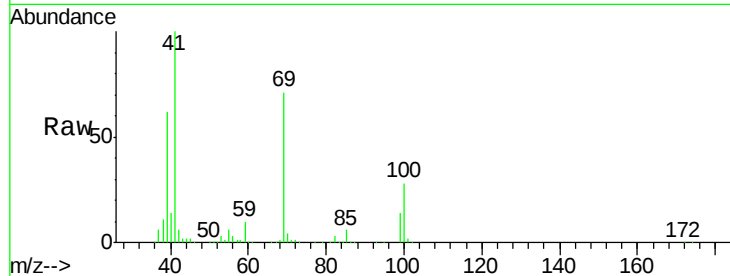
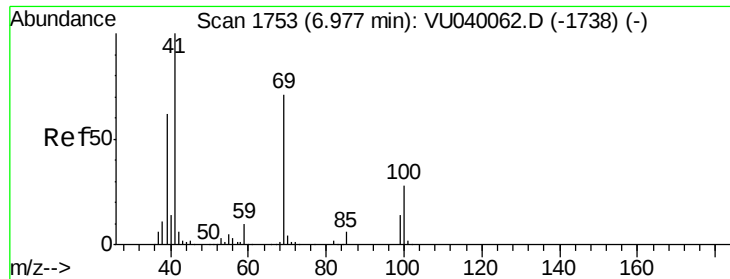
MMDadoda
9/17/2020 4:47:17 PM



#46
t-1,4-Dichloro-2-butene
Concen: 22.457 ug/l m
RT: 10.83 min Scan# 2952
Delta R.T. 0.00 min
Lab File: VU040062.D
Acq: 09 Sep 2020 12:30

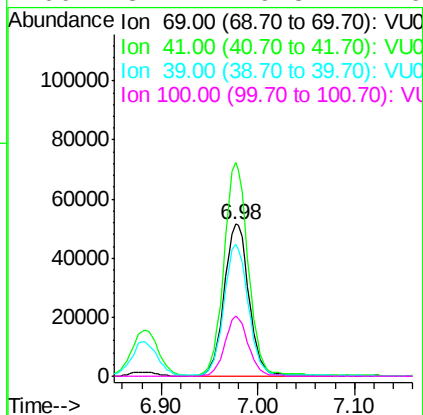
Tgt Ion	Ratio	Lower	Upper
75	100		
53	93.5	75.0	112.6
89	51.8	41.6	62.4
88	45.6	36.6	54.8





#47
Methyl methacrylate
Concen: 19.096 ug/l
RT: 6.98 min Scan# 1753
Delta R.T. 0.00 min
Lab File: VU040062.D
Acq: 09 Sep 2020 12:30

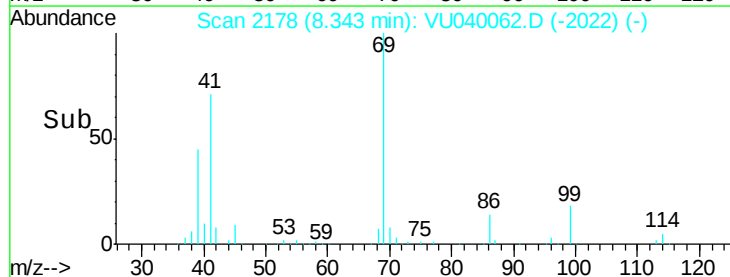
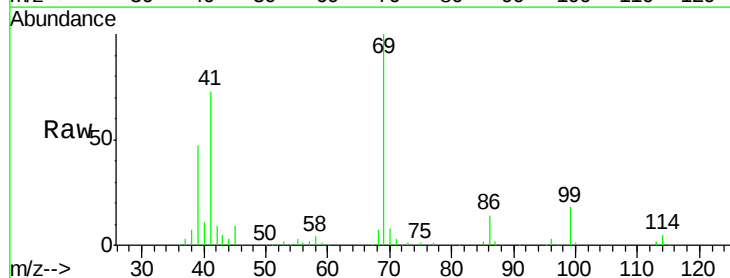
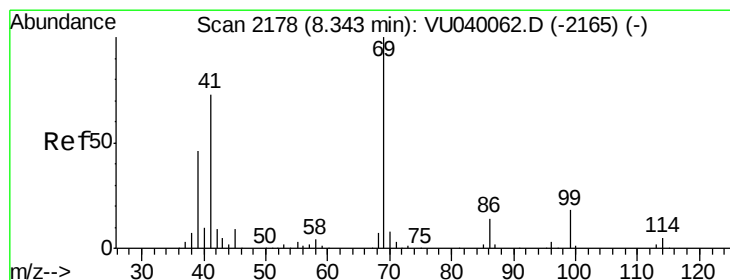
Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	136.5	0.0	273.0		
39	84.7	67.8	101.6		
100	37.2	29.8	44.6		



Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

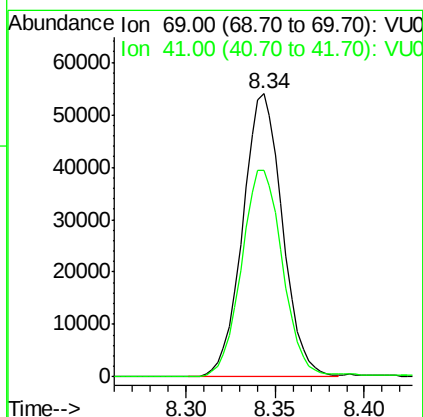
Manual Integrations
APPROVED

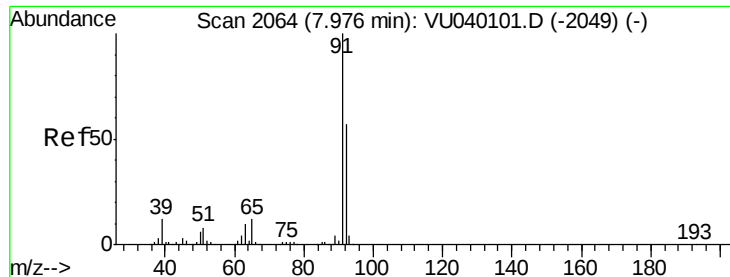
MMDadoda
9/17/2020 4:47:17 PM



#48
Ethyl methacrylate
Concen: 9.530 ug/l
RT: 8.34 min Scan# 2178
Delta R.T. 0.00 min
Lab File: VU040062.D
Acq: 09 Sep 2020 12:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	75.5	37.8	113.3		





#49

Toluene

Concen: 9.029 ug/l

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040062.D

Acq: 09 Sep 2020 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 92 Resp: 185166

Ion Ratio Lower Upper

92 100

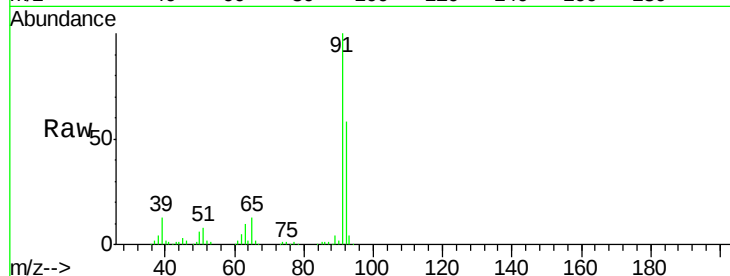
91 173.2 138.6 207.8

Manual Integrations

APPROVED

MMDadoda

9/17/2020 4:47:17 PM



Abundance Ion 92.00 (91.70 to 92.70): VU040062.D (-1908) (-)

Ion 91.00 (90.70 to 91.70): VU040062.D (-1908) (-)

200000

150000

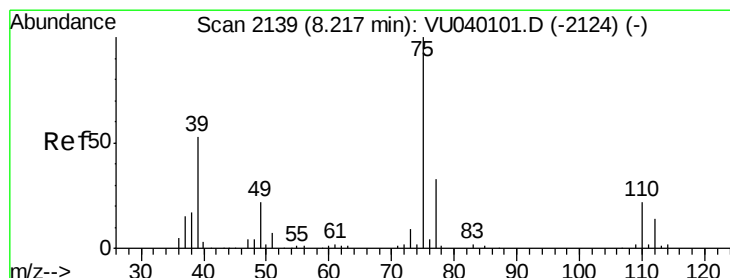
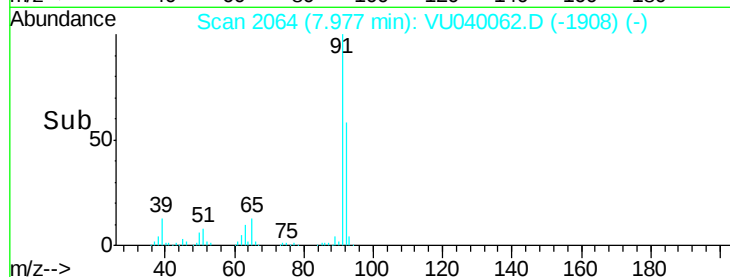
100000

50000

0

7.90 7.95 8.00 8.05

Time-->



#50

t-1,3-Dichloropropene

Concen: 10.526 ug/l

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU040062.D

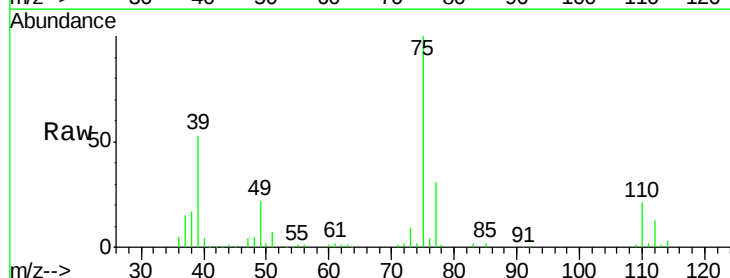
Acq: 09 Sep 2020 12:30

Tgt Ion: 75 Resp: 112999

Ion Ratio Lower Upper

75 100

77 30.5 24.4 36.6



Abundance Ion 75.00 (74.70 to 75.70): VU040062.D (-1983) (-)

Ion 77.00 (76.70 to 77.70): VU040062.D (-1983) (-)

80000

60000

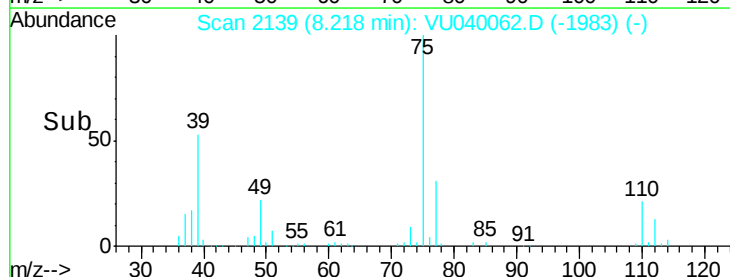
40000

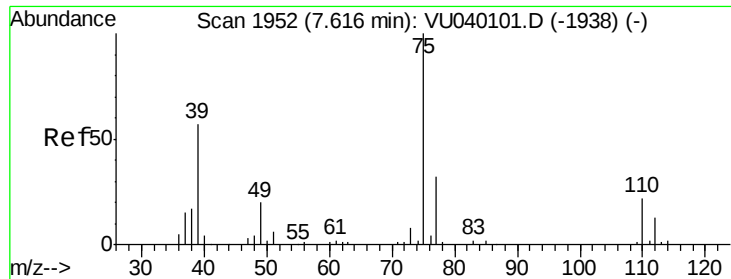
20000

0

8.15 8.20 8.25 8.30

Time-->





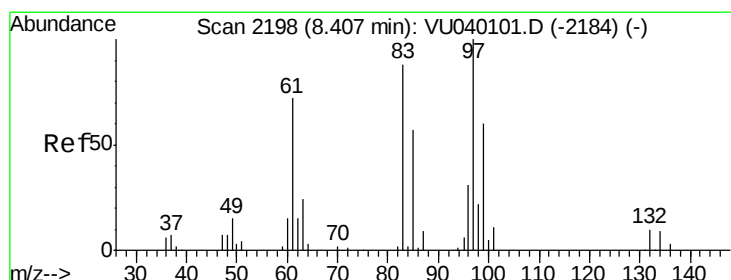
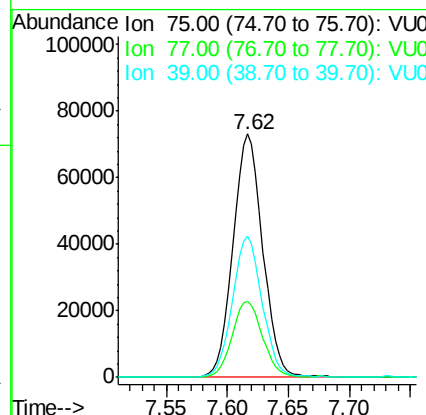
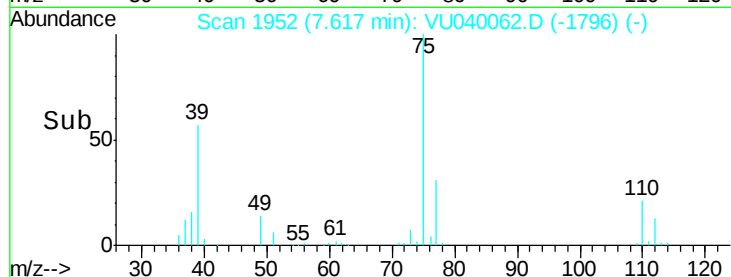
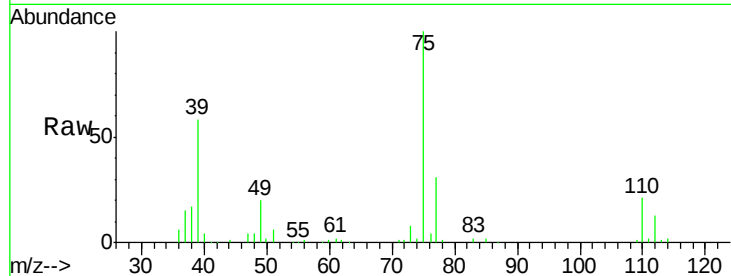
#51
 cis-1,3-Dichloropropene
 Concen: 9.910 ug/l
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040062.D
 Acq: 09 Sep 2020 12:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
77	30.8		24.6	37.0
39	57.8		46.2	69.4

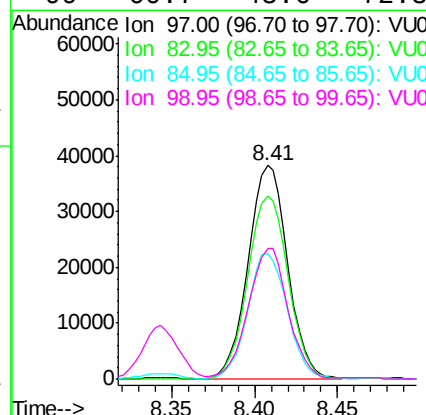
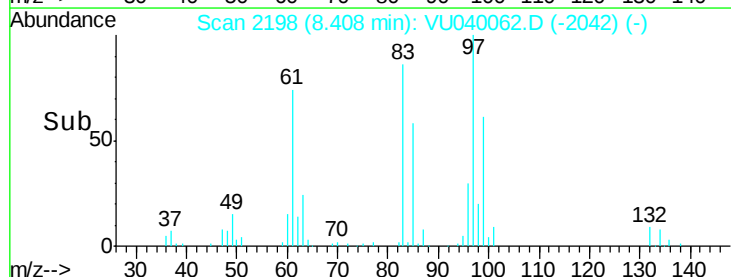
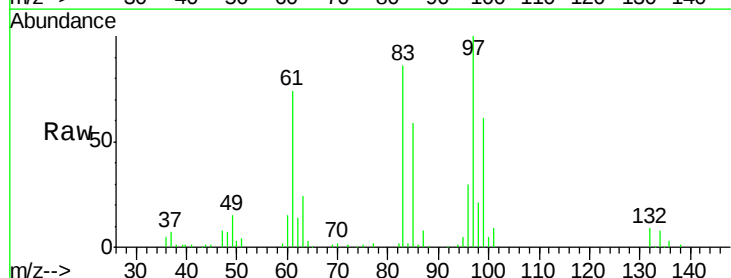
Manual Integrations
 APPROVED

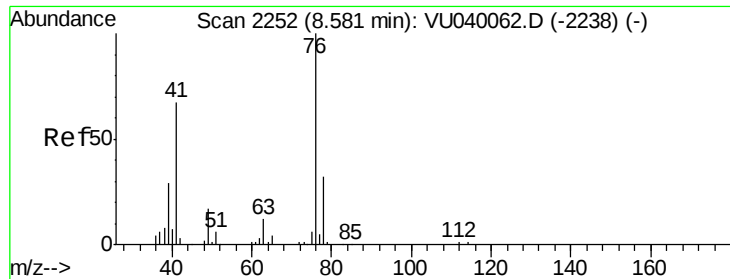
MMDadoda
 9/17/2020 4:47:17 PM



#52
 1,1,2-Trichloroethane
 Concen: 9.411 ug/l
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU040062.D
 Acq: 09 Sep 2020 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
83	85.9		68.7	103.1
85	58.4		46.7	70.1
99	60.7		48.6	72.8





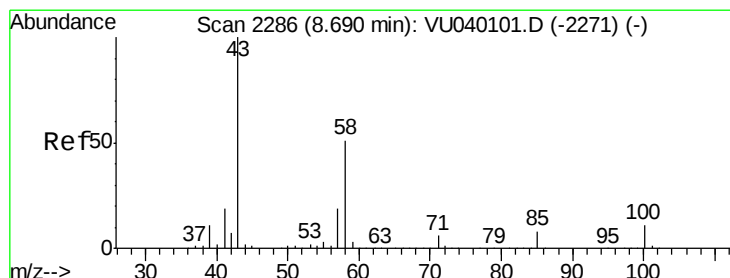
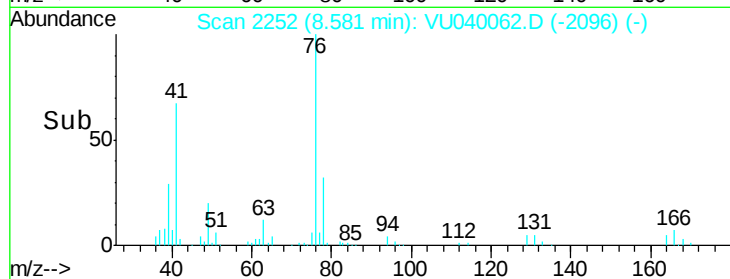
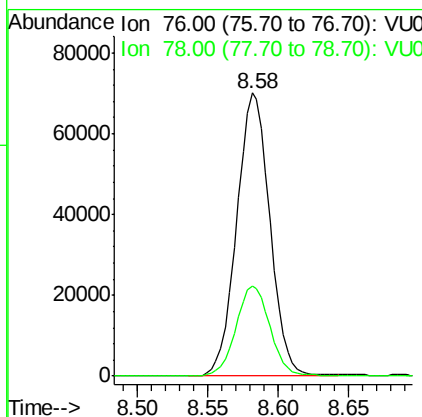
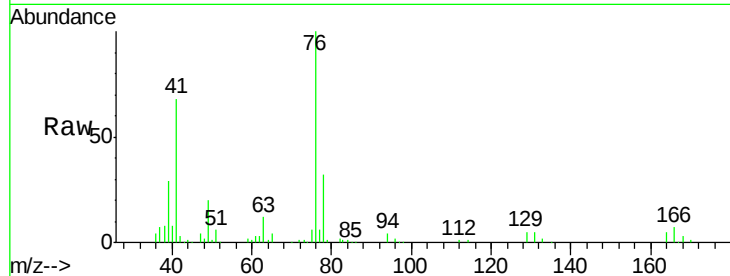
#53
 1,3-Dichloropropane
 Concen: 9.003 ug/l
 RT: 8.58 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VU040062.D
 Acq: 09 Sep 2020 12:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.2	39.2

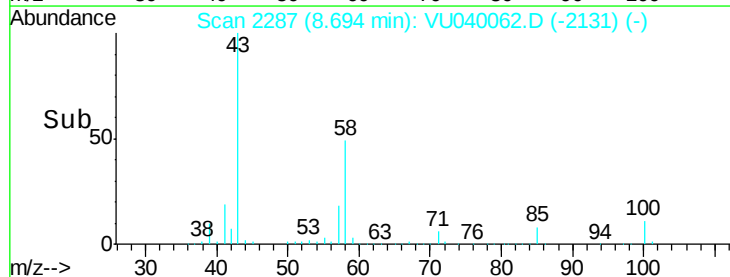
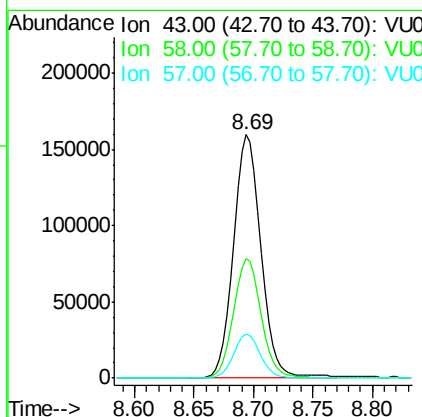
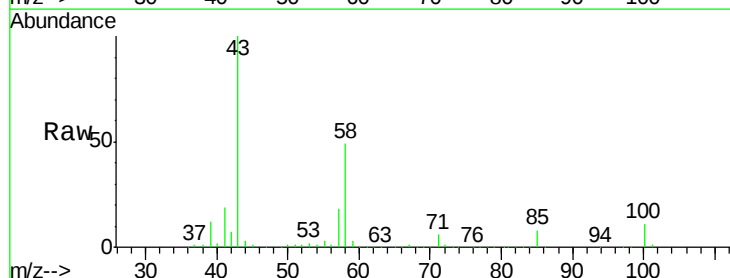
Manual Integrations
 APPROVED

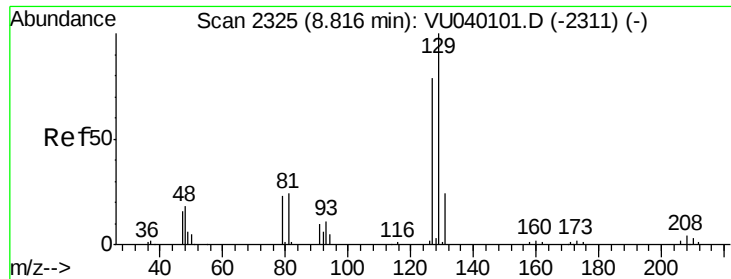
MMDadoda
 9/17/2020 4:47:17 PM



#54
 2-Hexanone
 Concen: 46.136 ug/l
 RT: 8.69 min Scan# 2287
 Delta R.T. 0.00 min
 Lab File: VU040062.D
 Acq: 09 Sep 2020 12:30

Tgt Ion	Ratio	Lower	Upper
43	100		
58	49.6	29.6	69.6
57	17.8	0.0	37.8





#55

Dibromochloromethane

Concen: 10.377 ug/l

RT: 8.82 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU040062.D

Acq: 09 Sep 2020 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion:129 Resp: 75804

Ion Ratio Lower Upper

129 100

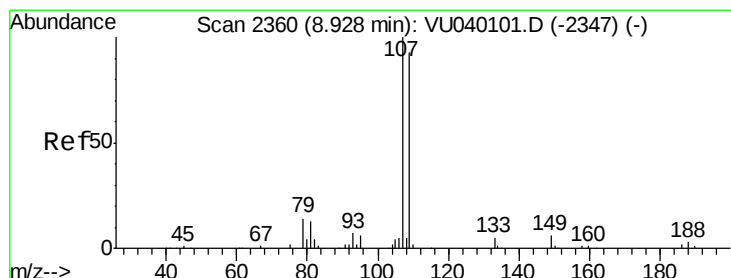
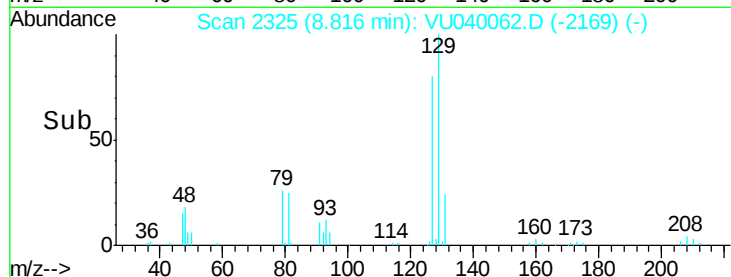
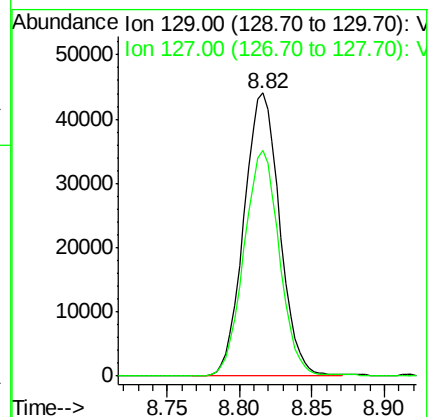
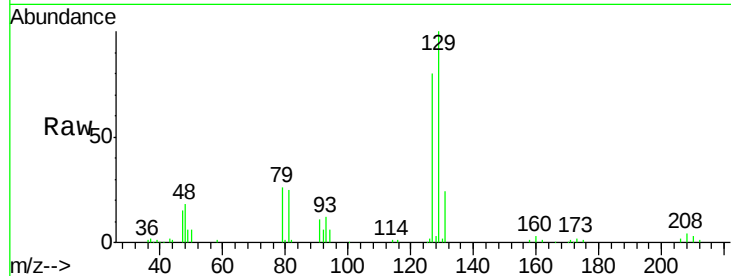
127 78.4 62.7 94.1

Manual Integrations

APPROVED

MMDadoda

9/17/2020 4:47:17 PM



#56

1,2-Dibromoethane

Concen: 9.213 ug/l

RT: 8.93 min Scan# 2360

Delta R.T. 0.00 min

Lab File: VU040062.D

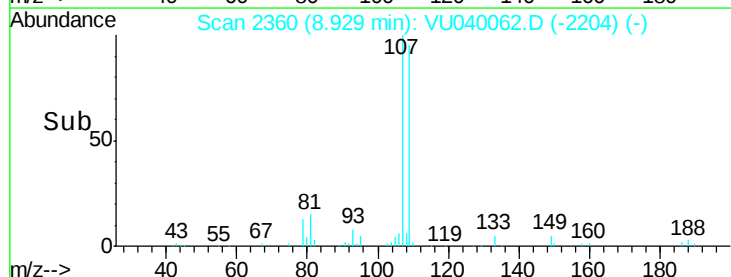
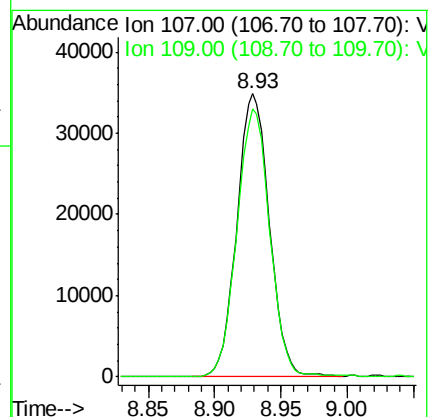
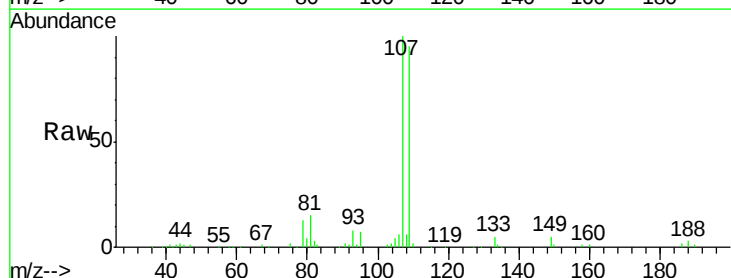
Acq: 09 Sep 2020 12:30

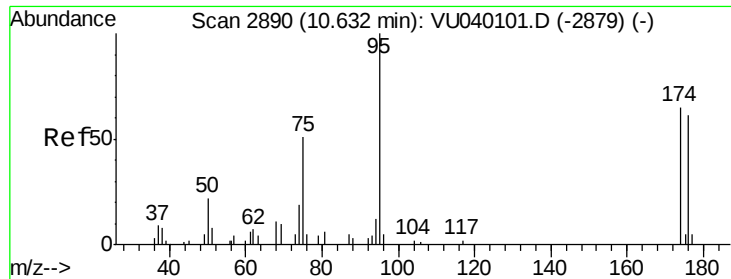
Tgt Ion:107 Resp: 59350

Ion Ratio Lower Upper

107 100

109 95.5 0.0 191.0





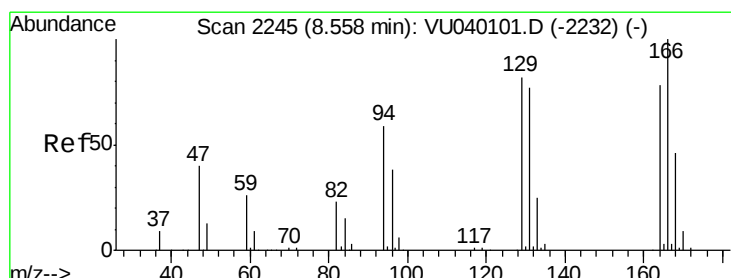
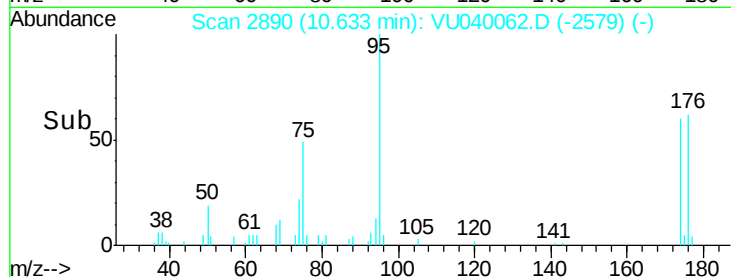
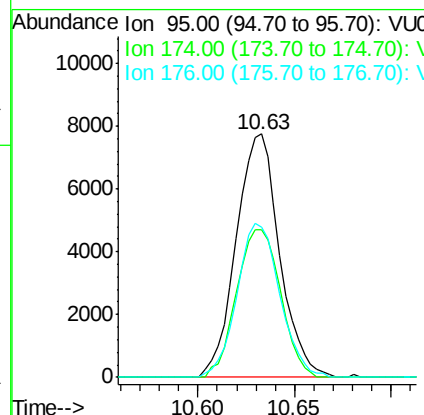
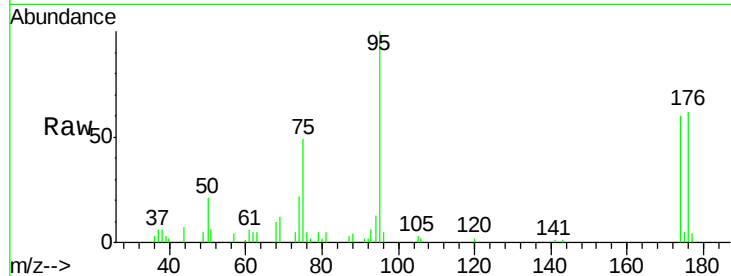
#57
4-Bromofluorobenzene
Concen: 1.085 ug/l
RT: 10.63 min Scan# 2890
Delta R.T. 0.00 min
Lab File: VU040062.D
Acq: 09 Sep 2020 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
95	100		
174	61.7	49.4	74.0
176	62.6	50.1	75.1

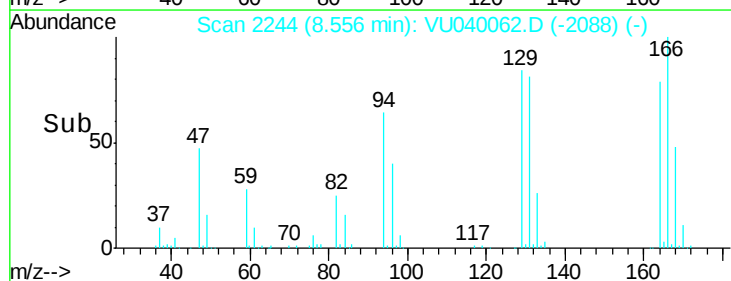
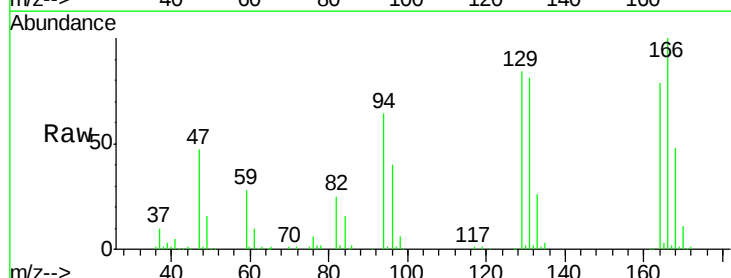
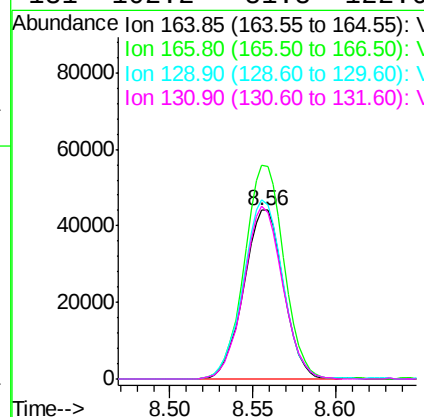
Manual Integrations
APPROVED

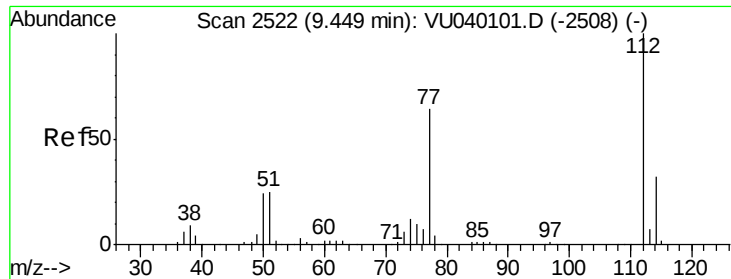
MMDadoda
9/17/2020 4:47:17 PM



#58
Tetrachloroethene
Concen: 10.308 ug/l
RT: 8.56 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VU040062.D
Acq: 09 Sep 2020 12:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.6	101.3	151.9
129	106.0	84.8	127.2
131	102.2	81.8	122.6





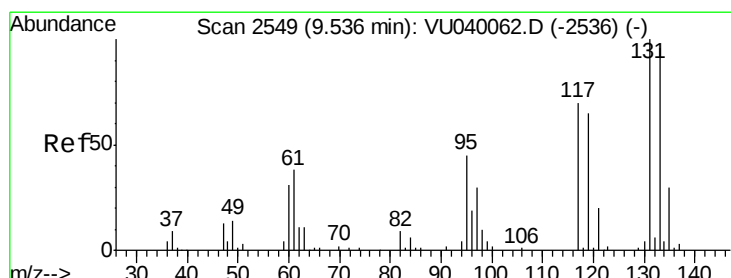
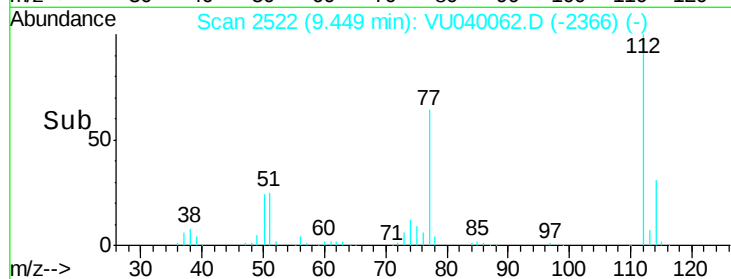
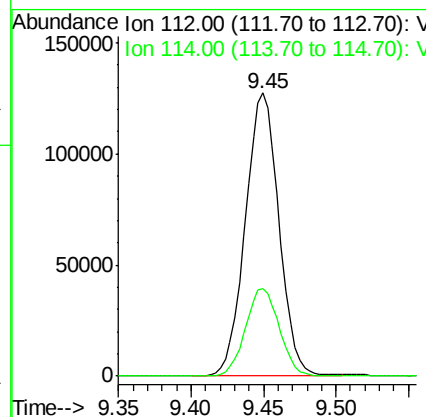
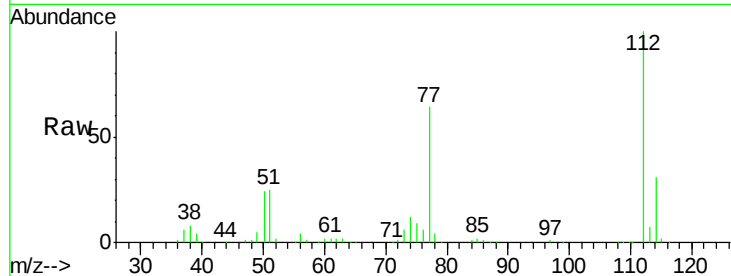
#59
Chlorobenzene
Concen: 9.590 ug/l
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU040062.D
Acq: 09 Sep 2020 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.0	24.8	37.2

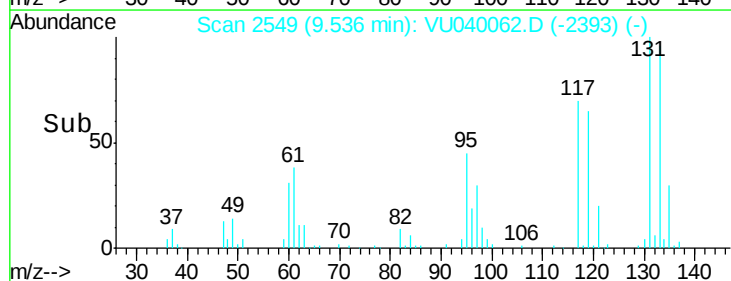
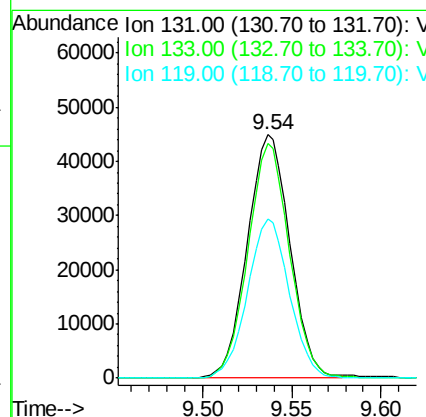
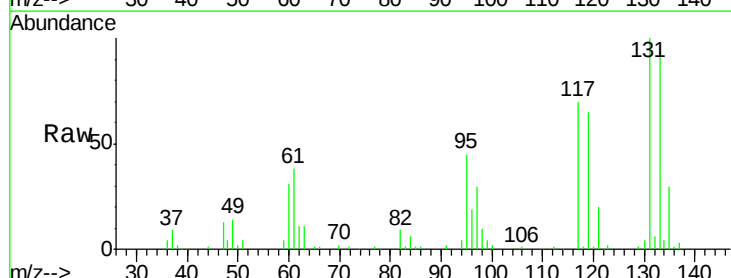
Manual Integrations
APPROVED

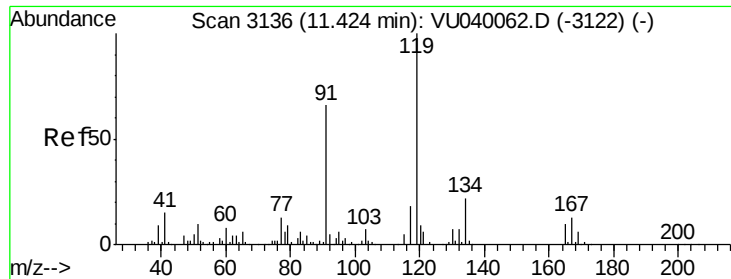
MMDadoda
9/17/2020 4:47:17 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 10.226 ug/l
RT: 9.54 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VU040062.D
Acq: 09 Sep 2020 12:30

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.3	75.4	113.2
119	64.4	51.5	77.3





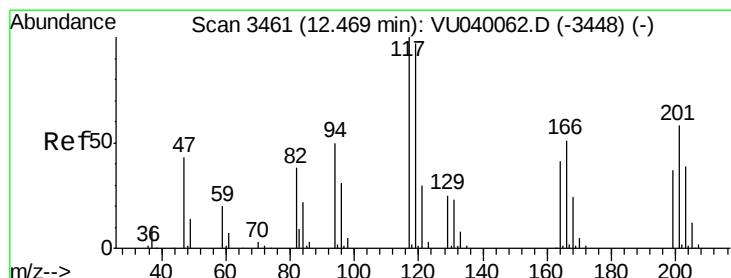
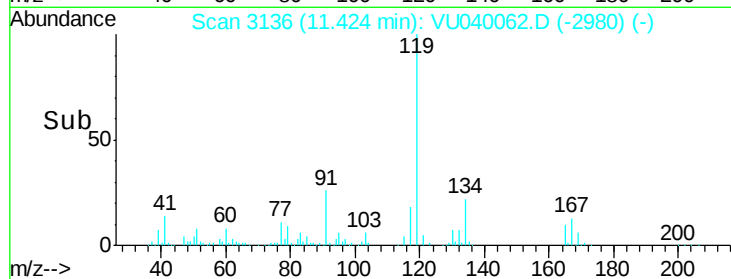
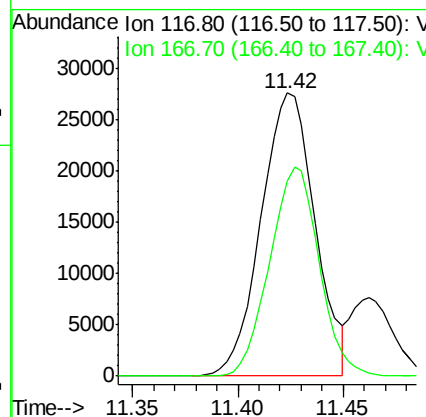
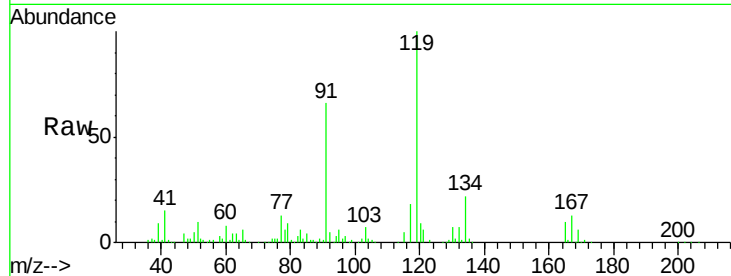
#61
 Pentachloroethane
 Concen: 7.982 ug/l
 RT: 11.42 min Scan# 3136
 Delta R.T. 0.00 min
 Lab File: VU040062.D
 Acq: 09 Sep 2020 12:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion:117 Resp: 48983
 Ion Ratio Lower Upper
 117 100
 167 68.1 54.5 81.7

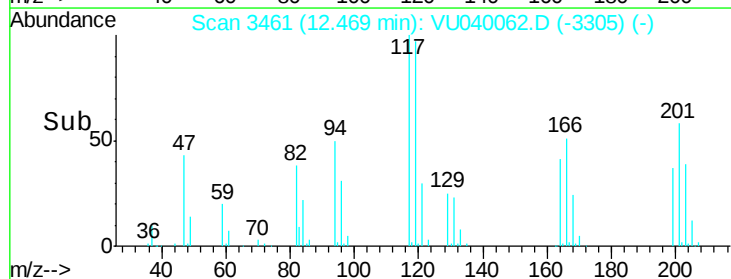
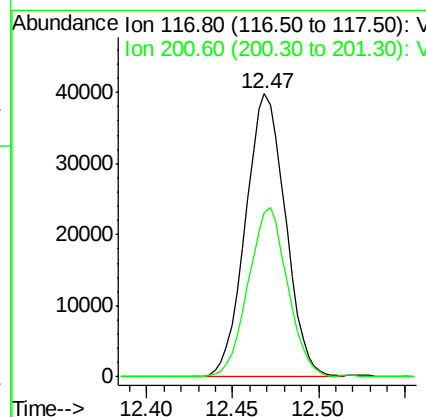
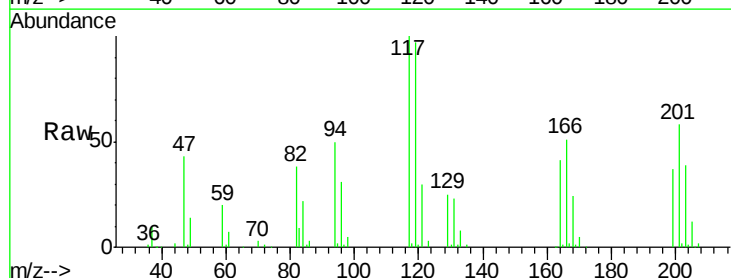
Manual Integrations
 APPROVED

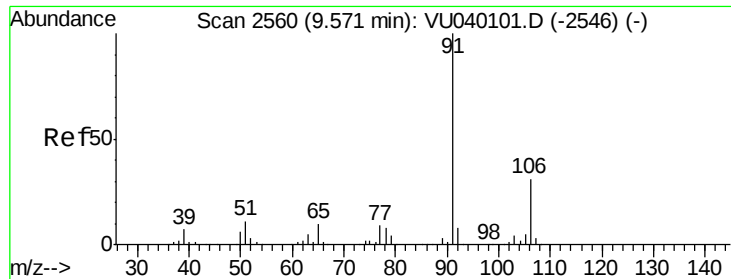
MMDadoda
 9/17/2020 4:47:17 PM



#62
 Hexachloroethane
 Concen: 10.879 ug/l
 RT: 12.47 min Scan# 3461
 Delta R.T. 0.00 min
 Lab File: VU040062.D
 Acq: 09 Sep 2020 12:30

Tgt Ion:117 Resp: 64378
 Ion Ratio Lower Upper
 117 100
 201 58.7 47.0 70.4





#63

Ethyl Benzene

Concen: 9.732 ug/l

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040062.D

Acq: 09 Sep 2020 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 371150

Ion Ratio Lower Upper

91 100

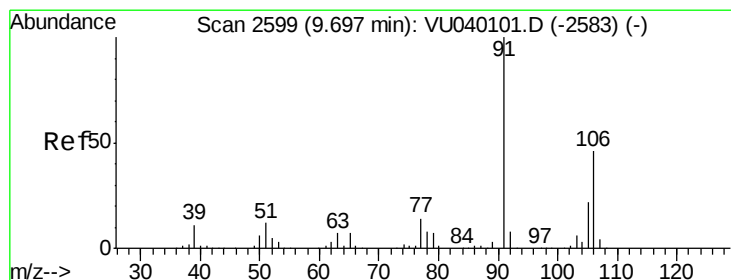
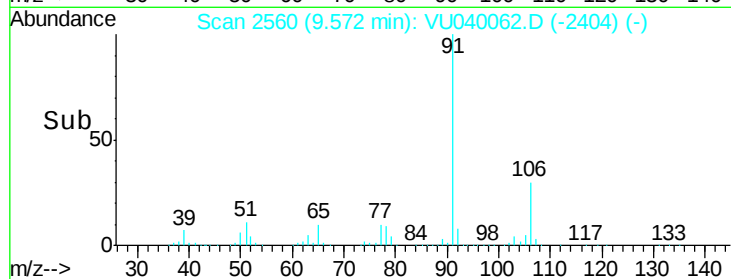
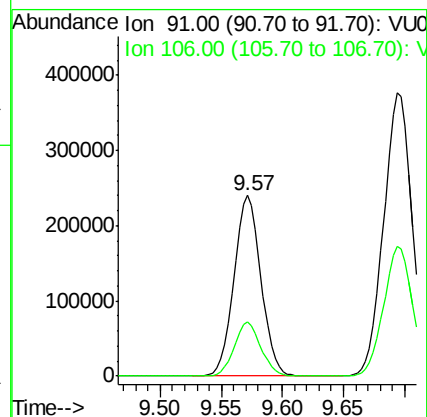
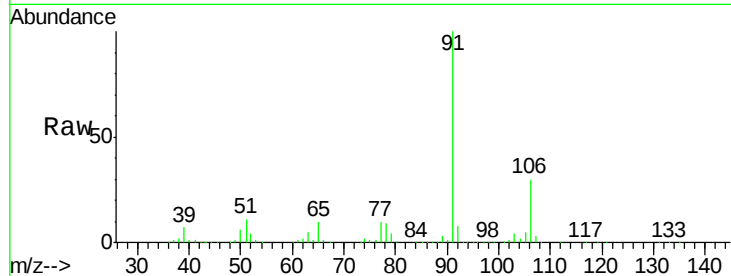
106 29.8 23.8 35.8

Manual Integrations

APPROVED

MMDadoda

9/17/2020 4:47:17 PM



#64

m/p-Xylenes

Concen: 19.193 ug/l

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040062.D

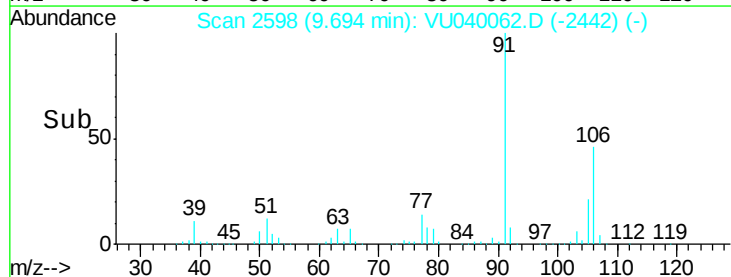
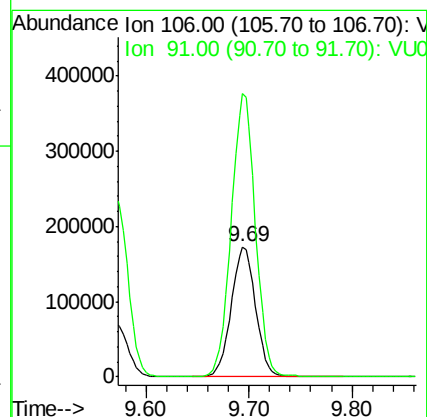
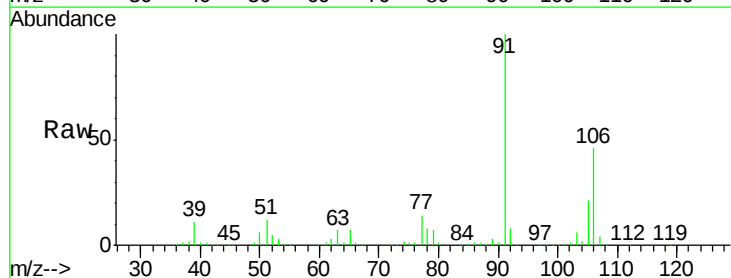
Acq: 09 Sep 2020 12:30

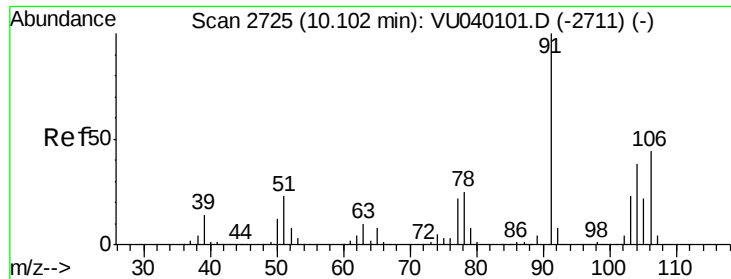
Tgt Ion: 106 Resp: 284605

Ion Ratio Lower Upper

106 100

91 214.3 171.4 257.2





#65

o-Xylene

Concen: 9.505 ug/l

RT: 10.10 min Scan# 2724

Delta R.T. 0.00 min

Lab File: VU040062.D

Acq: 09 Sep 2020 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion:106 Resp: 134152

Ion Ratio Lower Upper

106 100

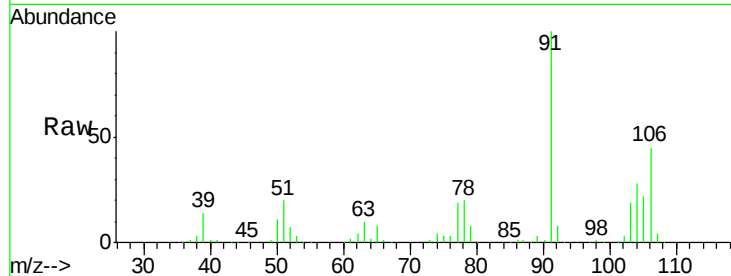
91 228.4 114.2 342.6

Manual Integrations

APPROVED

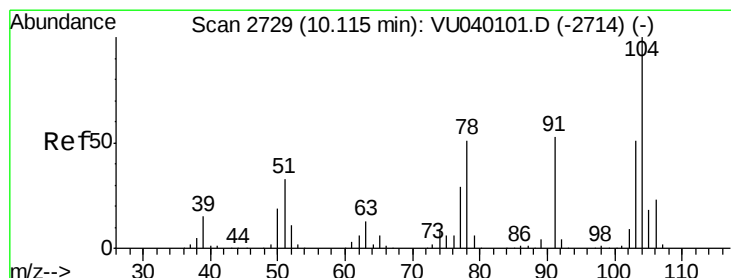
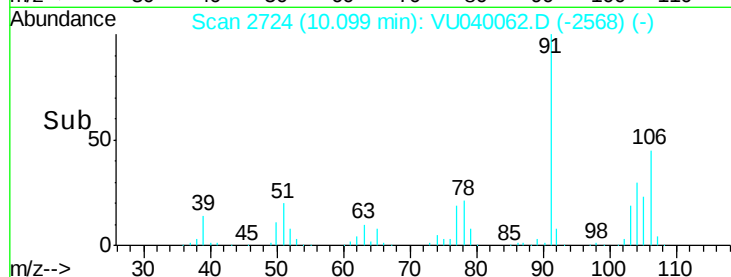
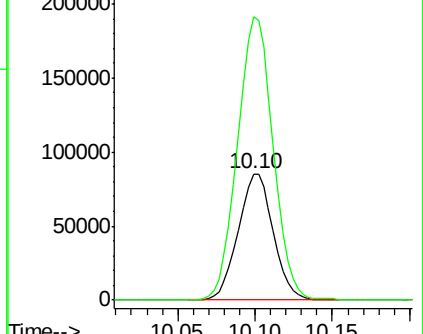
MMDadoda

9/17/2020 4:47:17 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 10.056 ug/l

RT: 10.11 min Scan# 2729

Delta R.T. 0.00 min

Lab File: VU040062.D

Acq: 09 Sep 2020 12:30

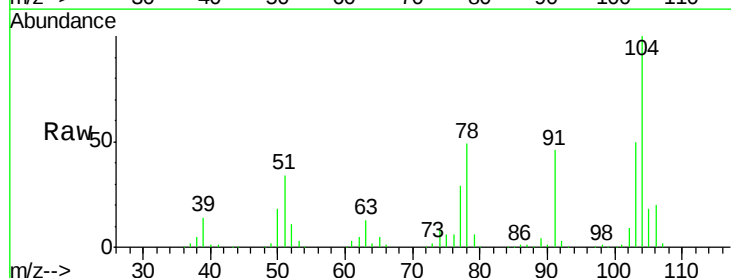
Tgt Ion:104 Resp: 244236

Ion Ratio Lower Upper

104 100

78 54.9 43.9 65.9

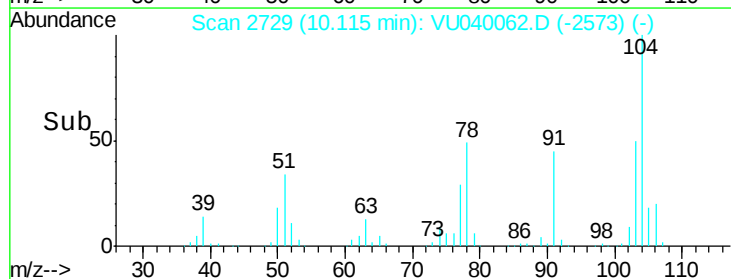
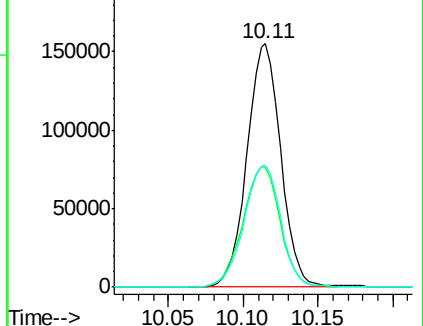
103 54.6 43.7 65.5

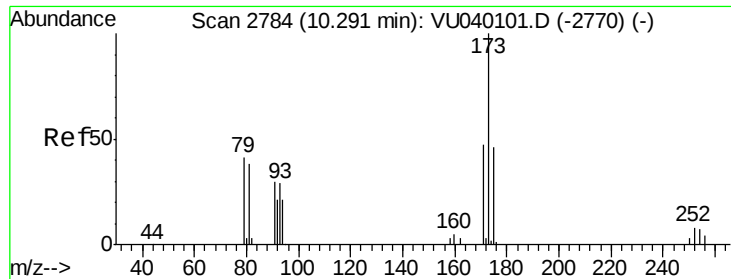


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





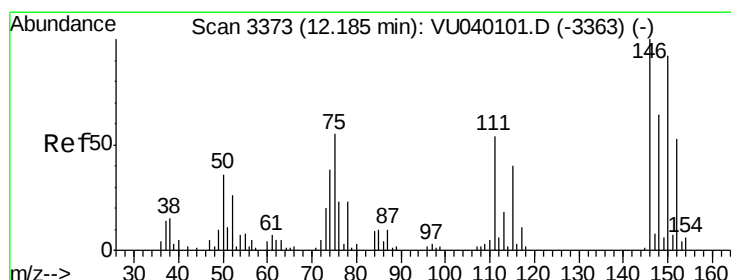
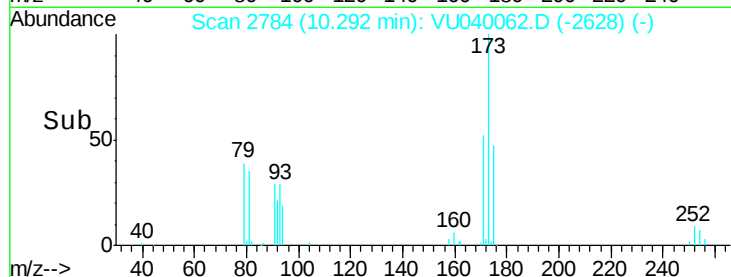
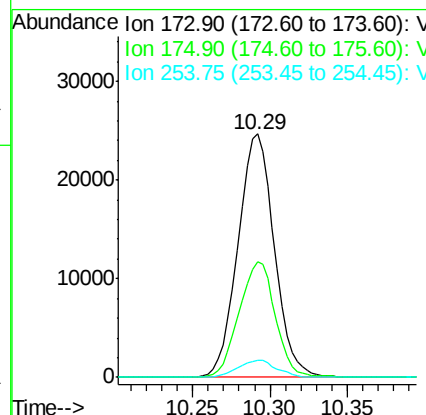
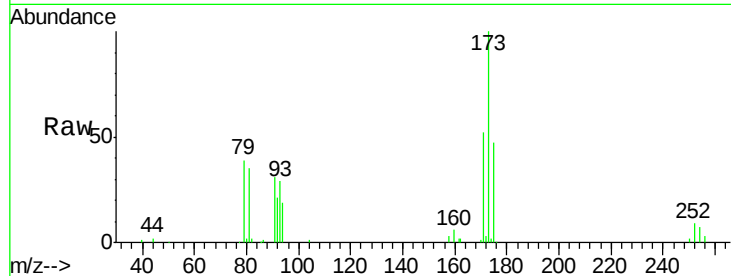
#67
Bromoform
Concen: 10.792 ug/l
RT: 10.29 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VU040062.D
Acq: 09 Sep 2020 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.5	38.0	57.0
254	7.3	5.8	8.8

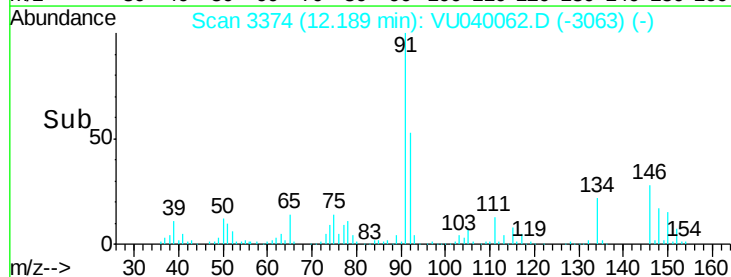
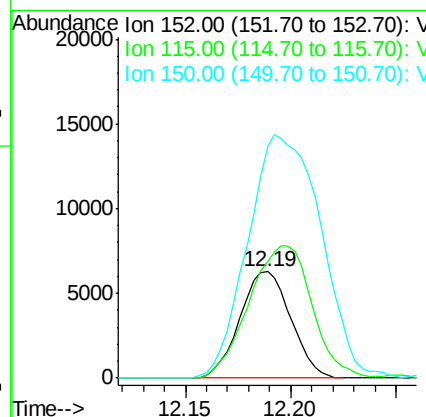
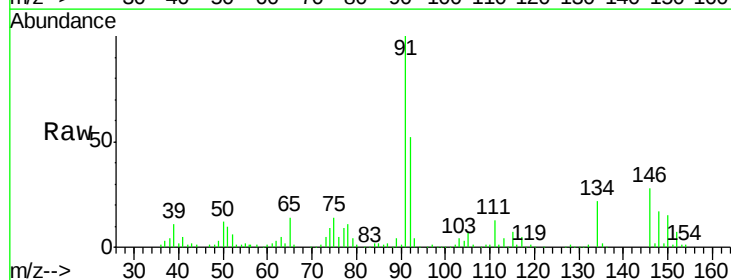
Manual Integrations
APPROVED

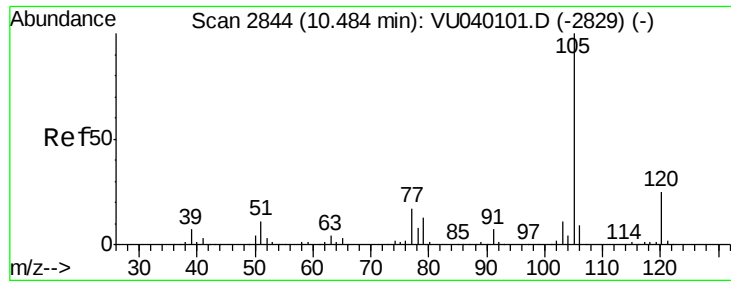
MMDadoda
9/17/2020 4:47:17 PM



#68
1,2-Dichlorobenzene-d4
Concen: 0.986 ug/l
RT: 12.19 min Scan# 3374
Delta R.T. 0.00 min
Lab File: VU040062.D
Acq: 09 Sep 2020 12:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	154.5	0.0	309.0
150	329.1	0.0	658.2





#69

Isopropylbenzene

Concen: 9.737 ug/l

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU040062.D

Acq: 09 Sep 2020 12:30

Instrument :

MSVOA_U

ClientSampled :

VSTDICCC010

Tot Ion: 105 Resp: 368423

Ion Ratio Lower Upper

105 100

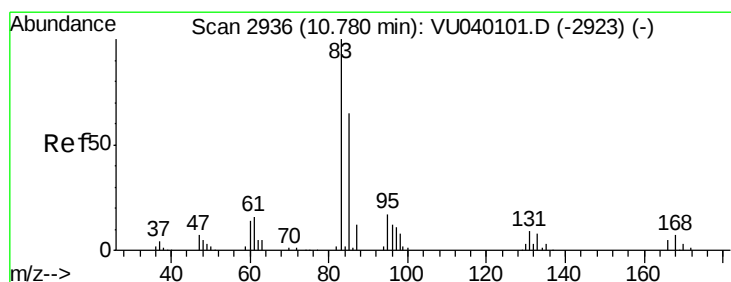
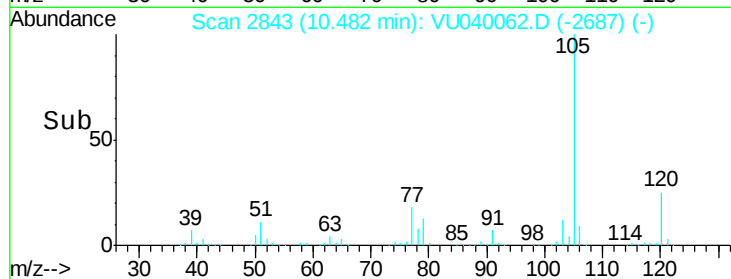
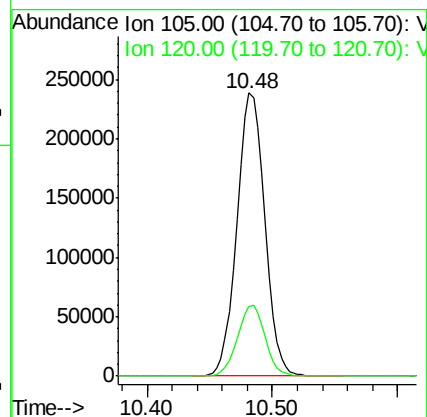
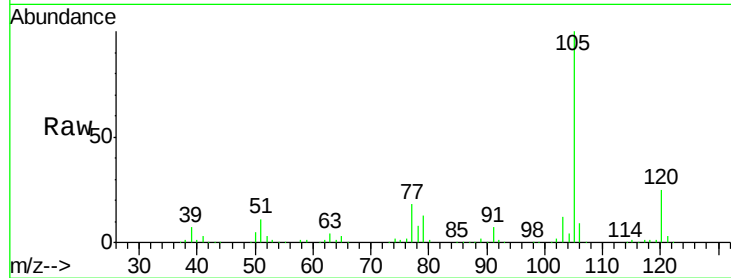
120 24.9 12.4 37.4

Manual Integrations

APPROVED

MMDadoda

9/17/2020 4:47:17 PM



#70

1,1,2,2-Tetrachloroethane

Concen: 8.970 ug/l

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040062.D

Acq: 09 Sep 2020 12:30

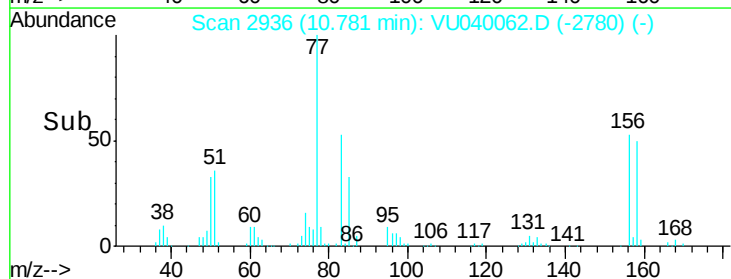
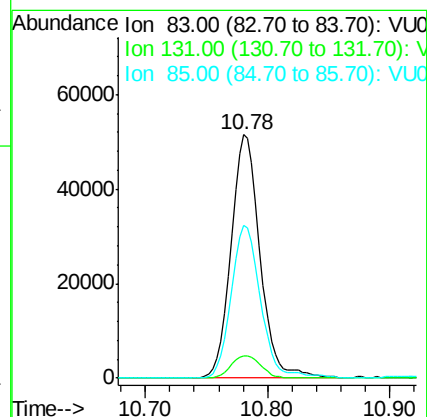
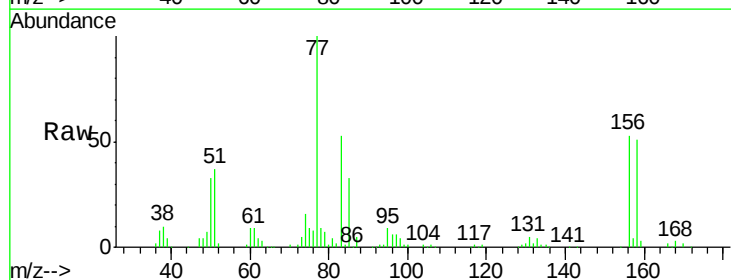
Tgt Ion: 83 Resp: 85855

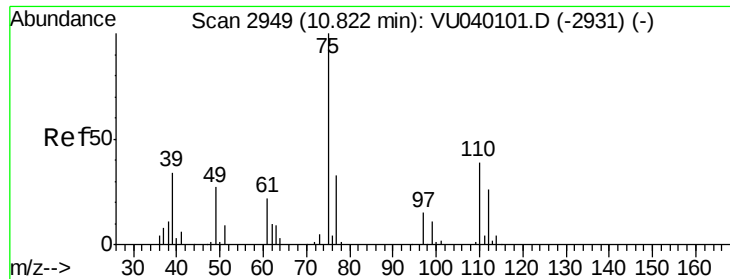
Ion Ratio Lower Upper

83 100

131 9.4 7.5 11.3

85 62.1 49.7 74.5





#71

1,2,3-Trichloropropane

Concen: 9.389 ug/l m

RT: 10.83 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU040062.D

Acq: 09 Sep 2020 12:30

Instrument :

MSVOA_U

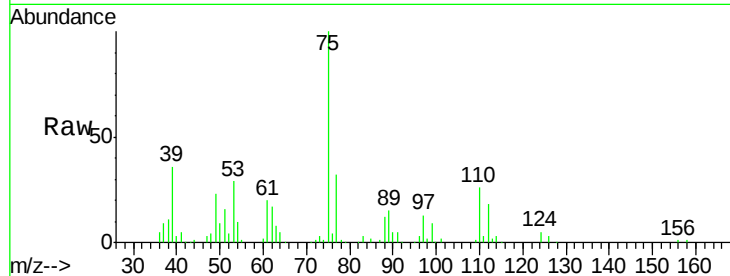
ClientSampled :

VSTDICCC010

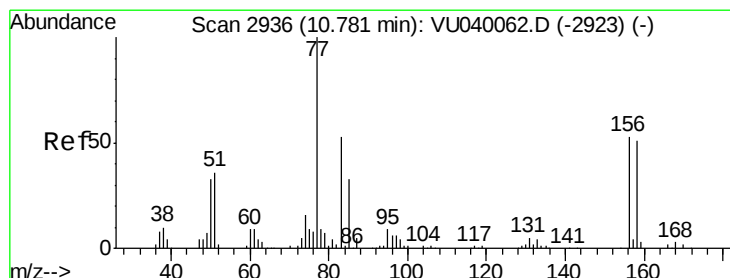
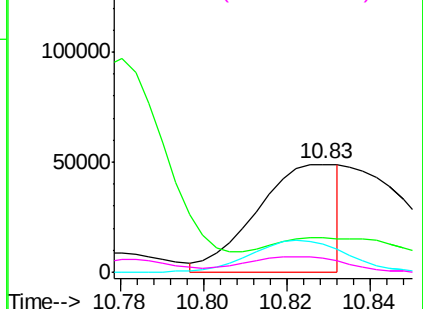
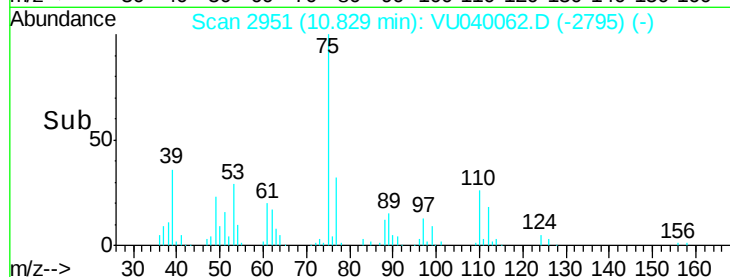
Tot Ion:	75	Resp:	66719
Ion	Ratio	Lower	Upper
75	100		
77	55.7	0.0	111.4
110	35.4	0.0	70.8
97	18.0	0.0	36.0

Manual Integrations
APPROVED

MMDadoda
9/17/2020 4:47:17 PM



Abundance Ion 75.00 (74.70 to 75.70): VU040062.D (-2795) (-)



#72

Bromobenzene

Concen: 9.369 ug/l

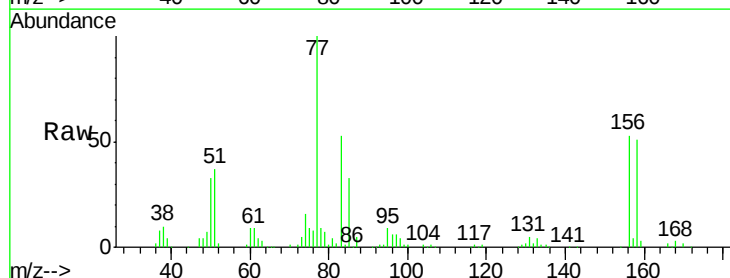
RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

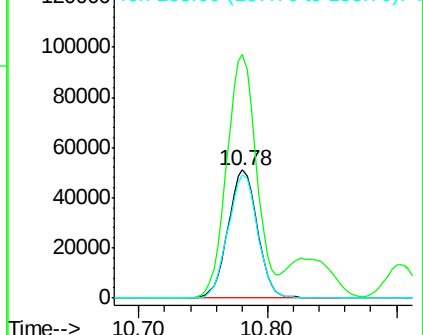
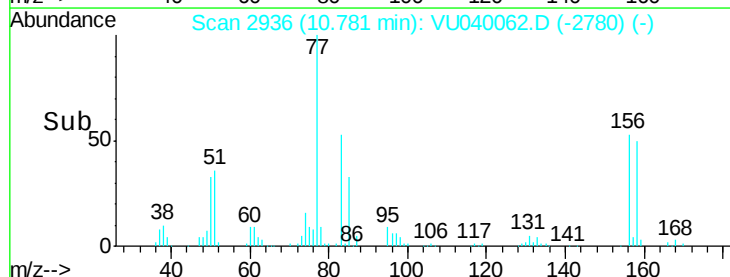
Lab File: VU040062.D

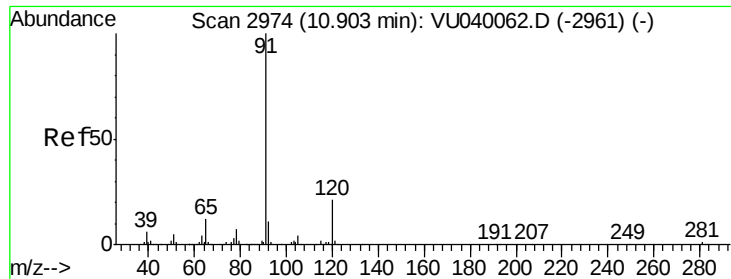
Acq: 09 Sep 2020 12:30

Tgt Ion:	156	Resp:	80799
Ion	Ratio	Lower	Upper
156	100		
77	191.8	0.0	383.6
158	97.5	0.0	195.0



Abundance Ion 156.00 (155.70 to 156.70): VU040062.D (-2780) (-)





#73

n-propylbenzene

Concen: 9.670 ug/l

RT: 10.90 min Scan# 2974

Delta R.T. 0.00 min

Lab File: VU040062.D

Acq: 09 Sep 2020 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion:120 Resp: 102671

Ion Ratio Lower Upper

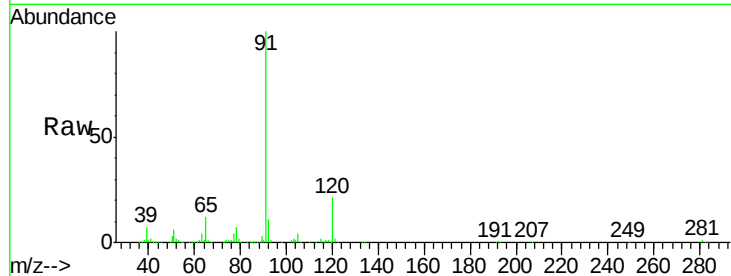
120 100

91 475.5 380.4 570.6

Manual Integrations
APPROVED

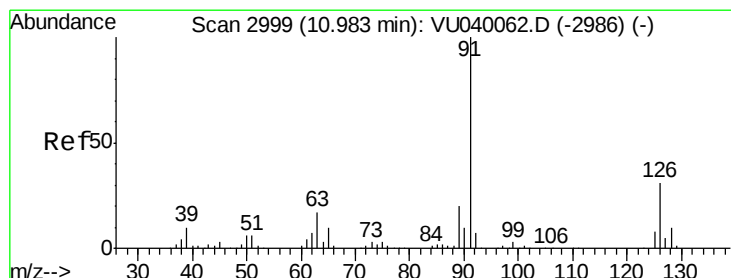
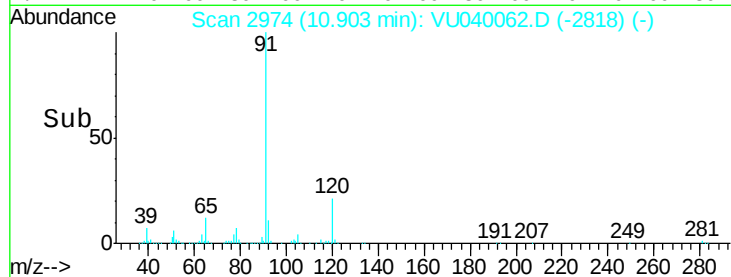
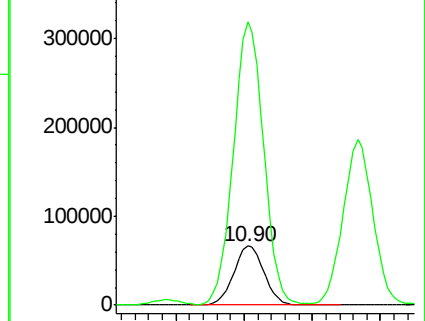
MMDadoda

9/17/2020 4:47:17 PM



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 9.592 ug/l

RT: 10.98 min Scan# 2999

Delta R.T. 0.00 min

Lab File: VU040062.D

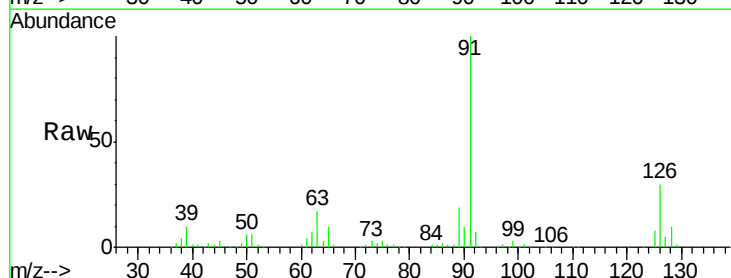
Acq: 09 Sep 2020 12:30

Tgt Ion:126 Resp: 86560

Ion Ratio Lower Upper

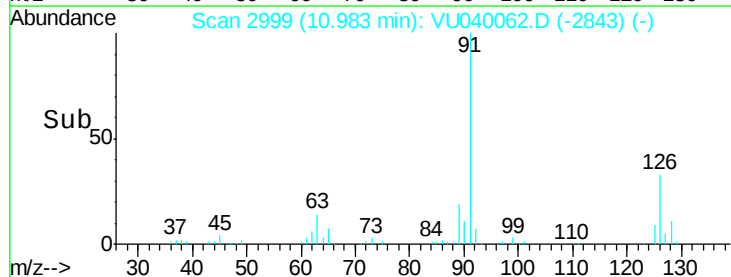
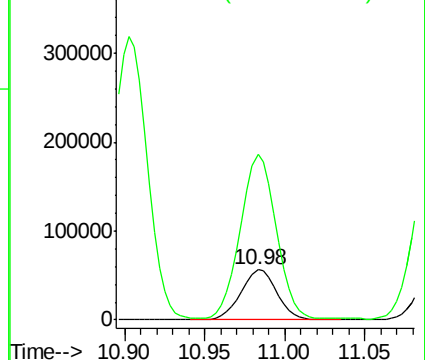
126 100

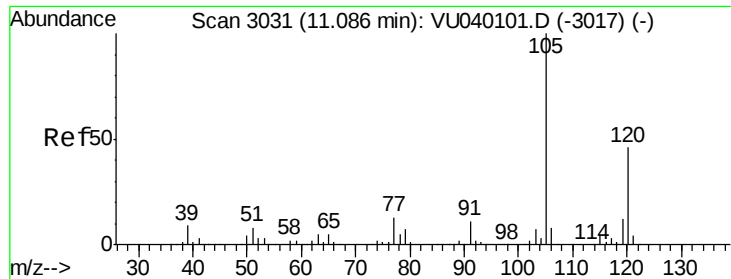
91 324.8 0.0 649.6



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 10.172 ug/l

RT: 11.09 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VU040062.D

Acq: 09 Sep 2020 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion:105 Resp: 333158

Ion Ratio Lower Upper

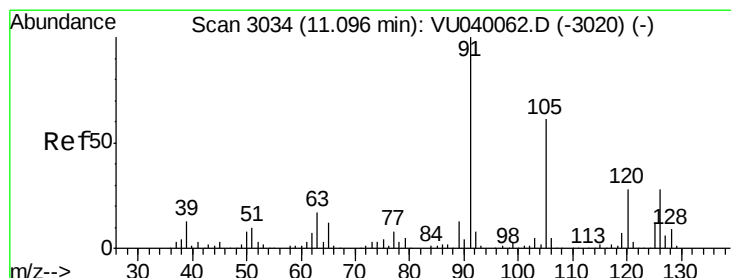
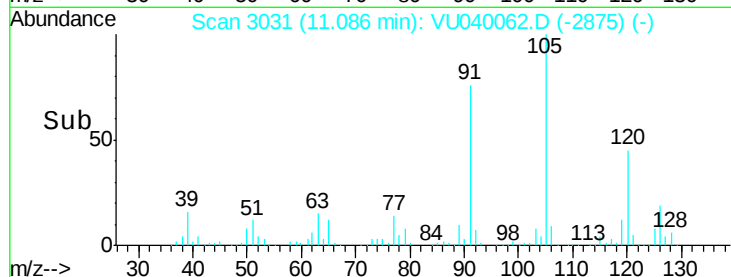
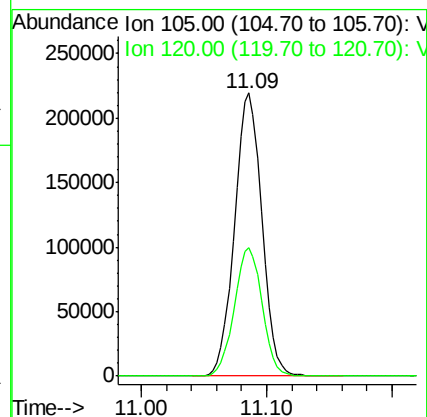
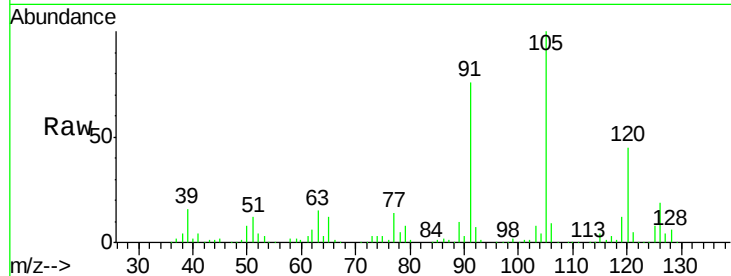
105 100

120 45.8 36.6 55.0

Manual Integrations
APPROVED

MMDadoda

9/17/2020 4:47:17 PM



#76

4-Chlorotoluene

Concen: 10.021 ug/l

RT: 11.10 min Scan# 3034

Delta R.T. 0.00 min

Lab File: VU040062.D

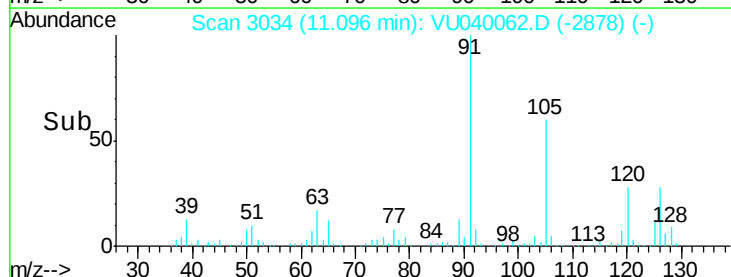
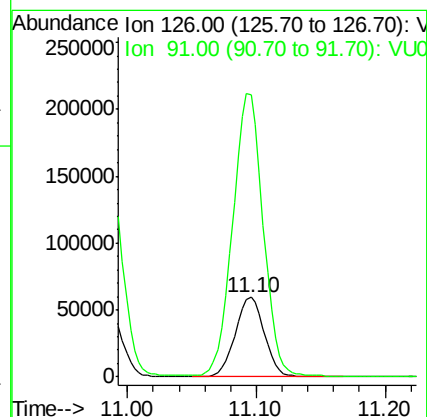
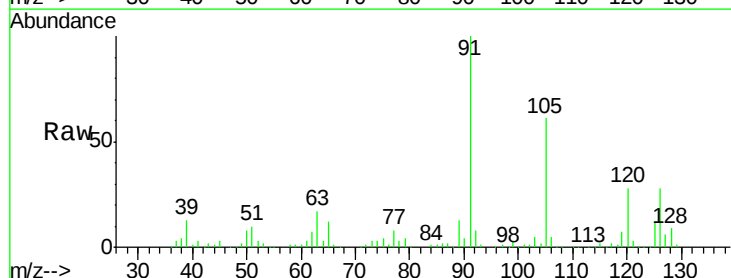
Acq: 09 Sep 2020 12:30

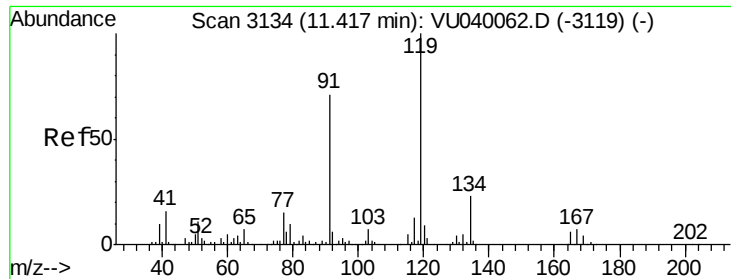
Tgt Ion:126 Resp: 93881

Ion Ratio Lower Upper

126 100

91 367.8 0.0 735.6





#77

tert-Butylbenzene

Concen: 9.560 ug/l

RT: 11.42 min Scan# 3134

Delta R.T. 0.00 min

Lab File: VU040062.D

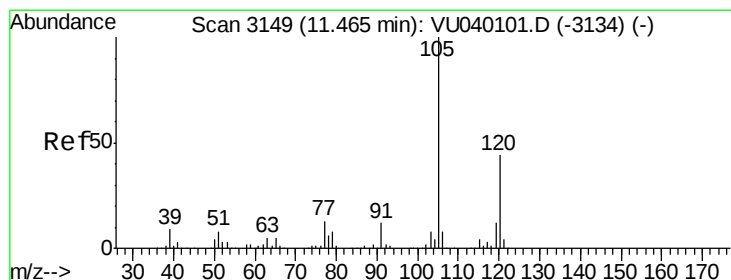
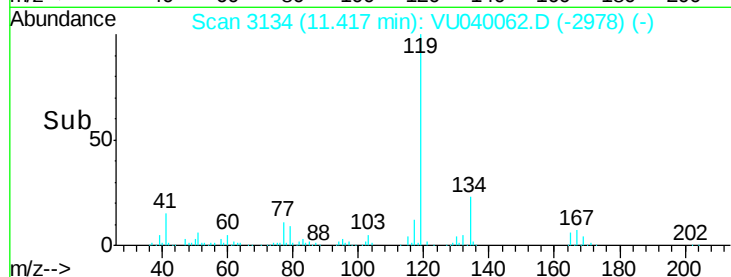
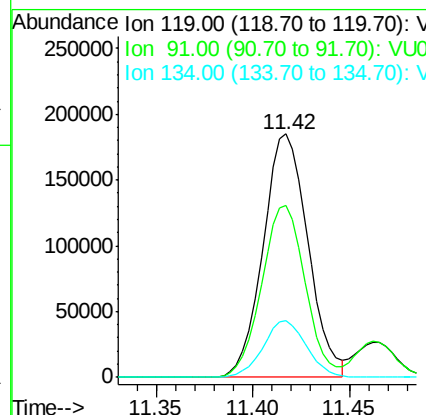
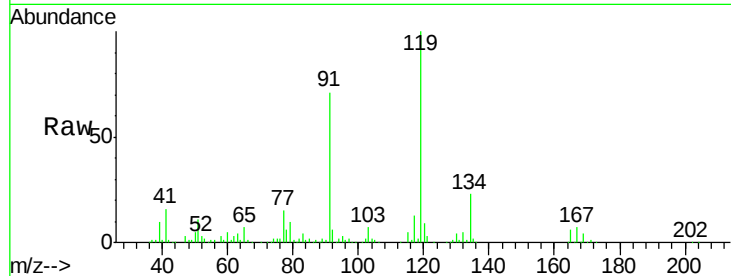
Acq: 09 Sep 2020 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.3	34.2	102.5
134	22.8	18.2	27.4

Manual Integrations
APPROVED

MMDadoda
9/17/2020 4:47:17 PM



#78

1,2,4-Trimethylbenzene

Concen: 10.126 ug/l

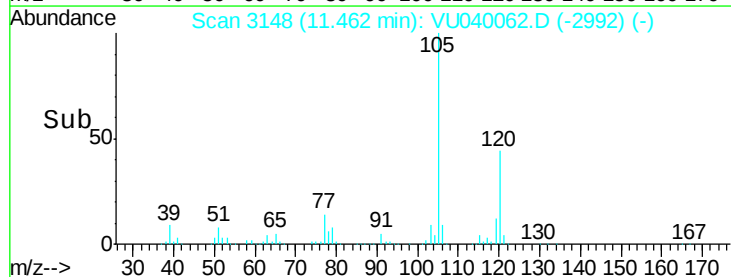
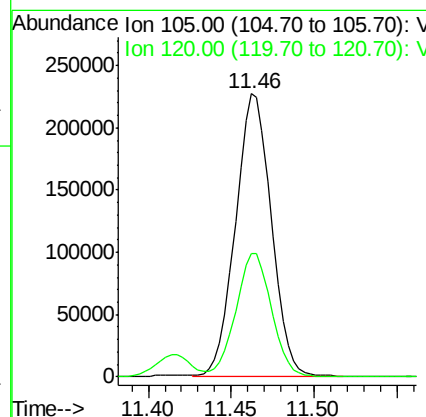
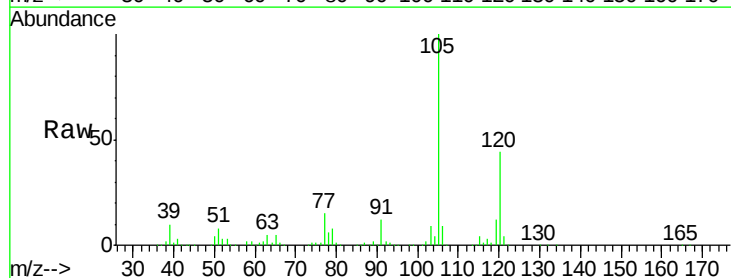
RT: 11.46 min Scan# 3148

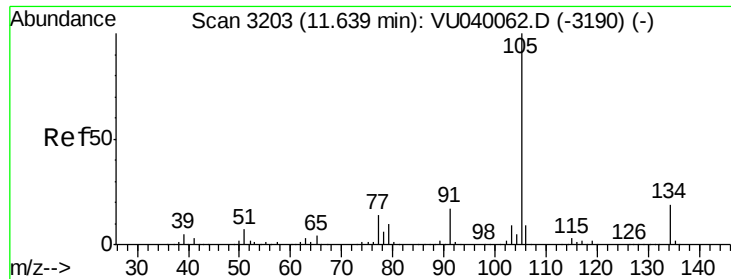
Delta R.T. 0.00 min

Lab File: VU040062.D

Acq: 09 Sep 2020 12:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.7	21.9	65.5





#79

sec-Butylbenzene

Concen: 9.800 ug/l

RT: 11.64 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VU040062.D

Acq: 09 Sep 2020 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 105 Resp: 437716

Ion Ratio Lower Upper

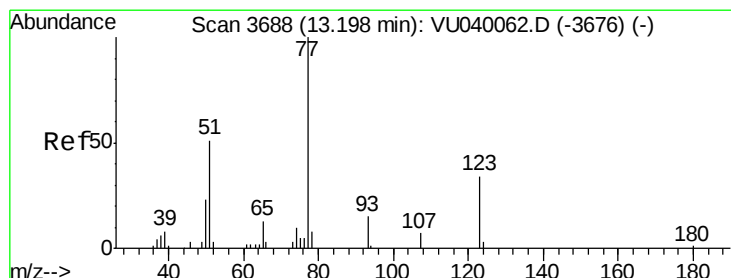
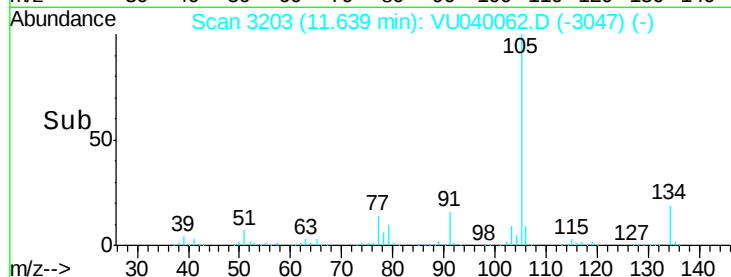
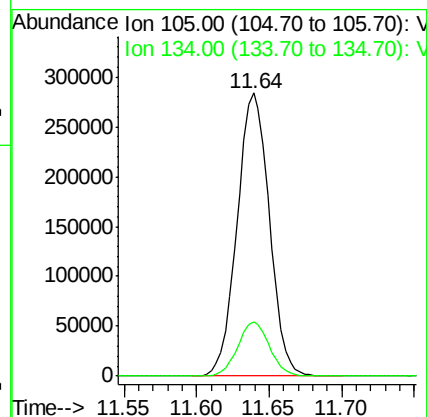
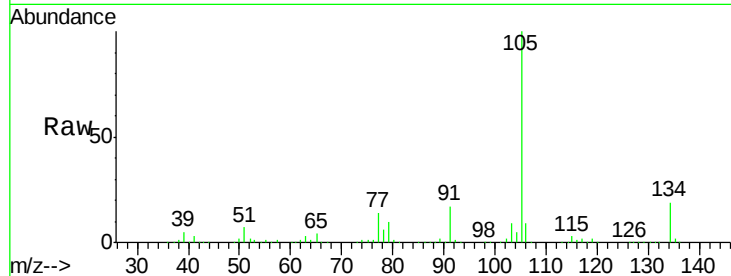
105 100

134 18.7 15.0 22.4

Manual Integrations
APPROVED

MMDadoda

9/17/2020 4:47:17 PM



#80

Nitrobenzene

Concen: 94.780 ug/l

RT: 13.20 min Scan# 3688

Delta R.T. 0.00 min

Lab File: VU040062.D

Acq: 09 Sep 2020 12:30

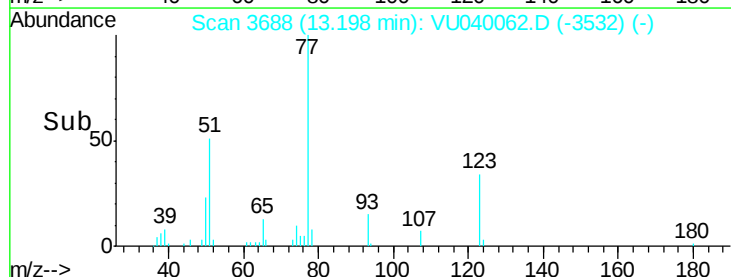
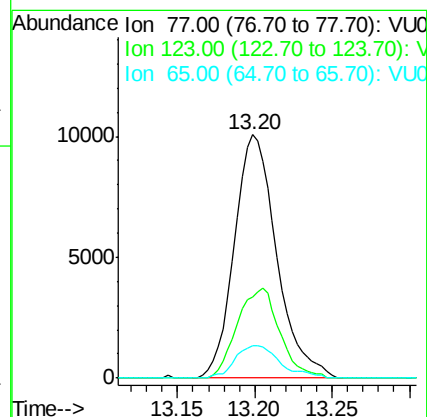
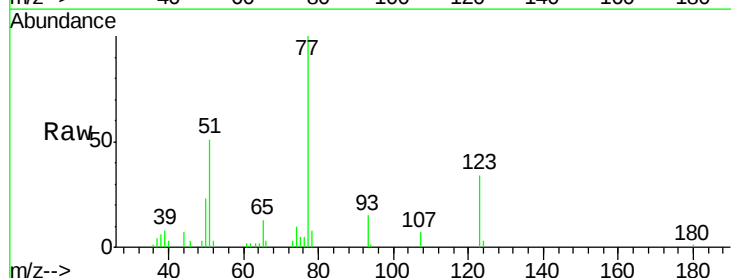
Tgt Ion: 77 Resp: 19079

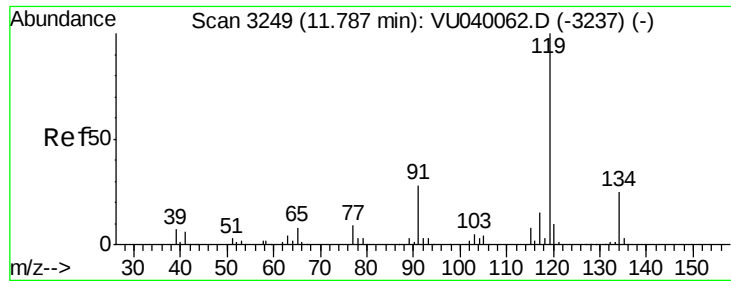
Ion Ratio Lower Upper

77 100

123 37.2 16.4 58.0

65 14.2 12.5 15.9





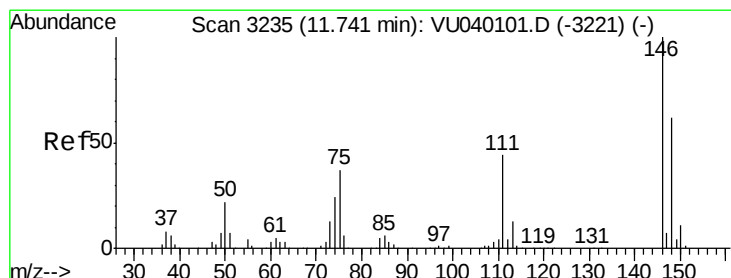
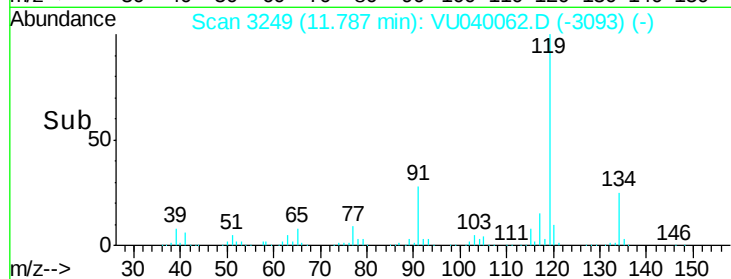
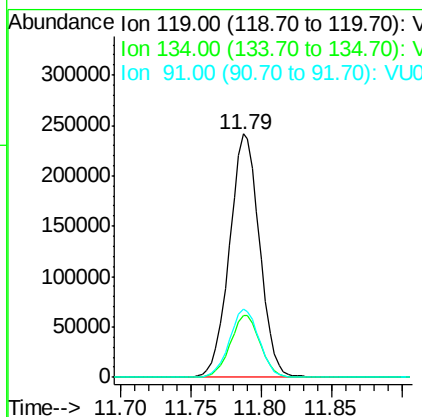
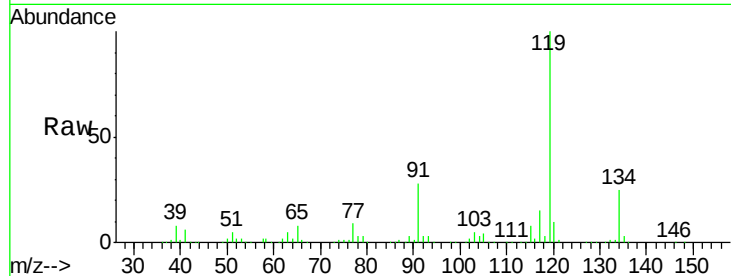
#81
 p-Isopropyltoluene
 Concen: 9.934 ug/l
 RT: 11.79 min Scan# 3249
 Delta R.T. 0.00 min
 Lab File: VU040062.D
 Acq: 09 Sep 2020 12:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.3	30.5
91	27.7	22.2	33.2

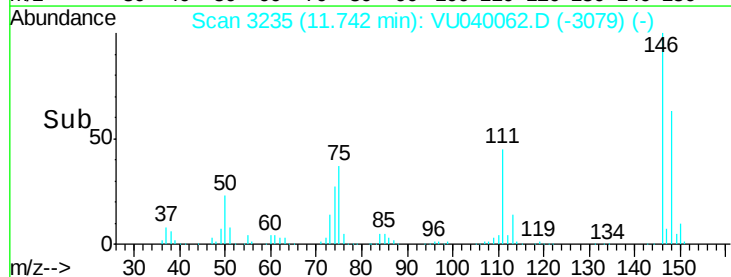
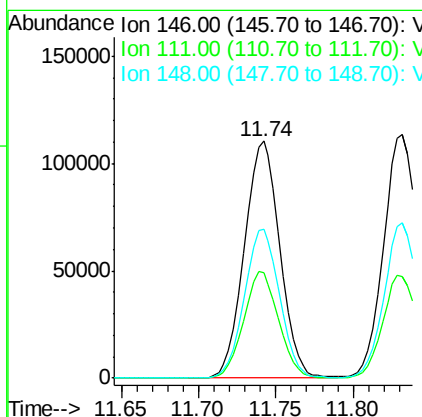
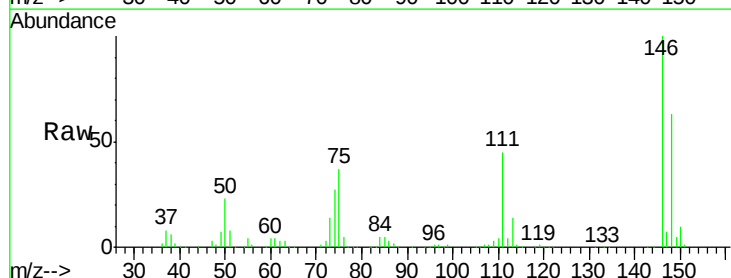
Manual Integrations
 APPROVED

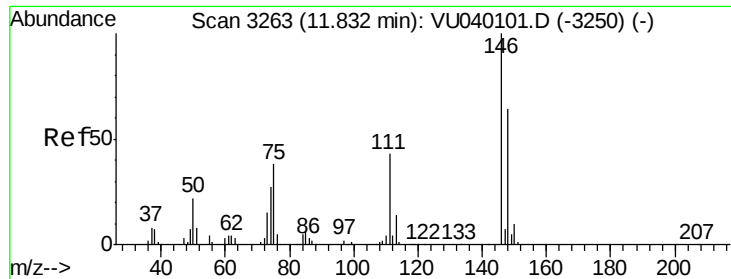
MMDadoda
 9/17/2020 4:47:17 PM



#82
 1,3-Dichlorobenzene
 Concen: 9.485 ug/l
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU040062.D
 Acq: 09 Sep 2020 12:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.2	35.4	53.0
148	62.1	49.7	74.5





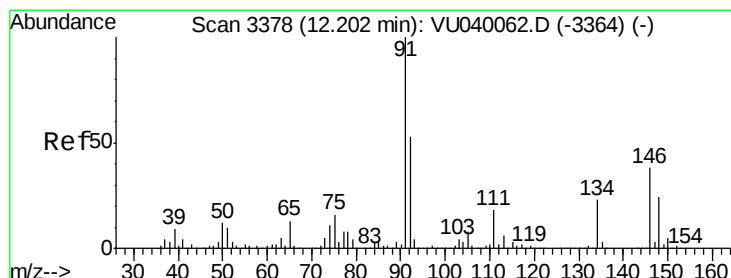
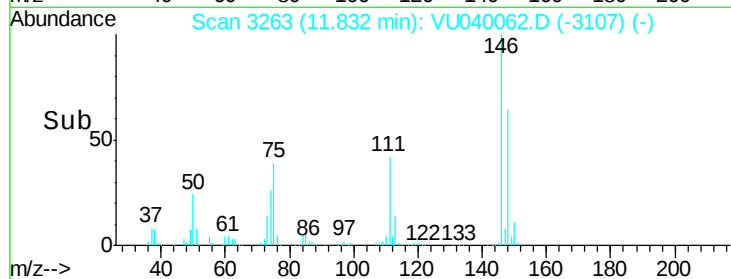
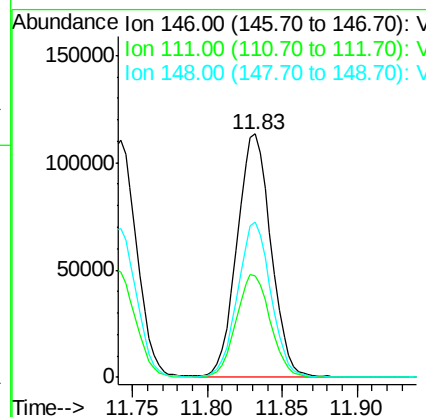
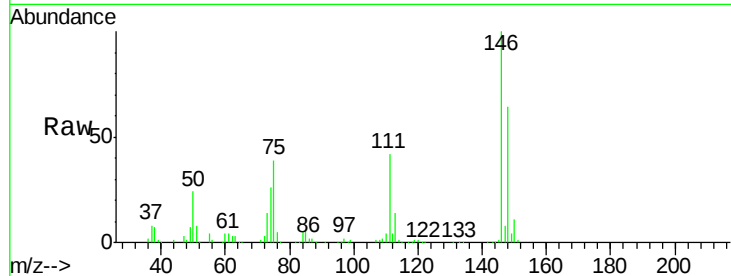
#83
 1,4-Dichlorobenzene
 Concen: 9.512 ug/l
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU040062.D
 Acq: 09 Sep 2020 12:30

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	34.2	51.2
148	62.7	50.2	75.2

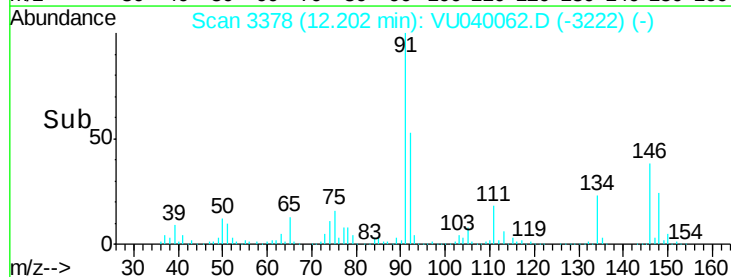
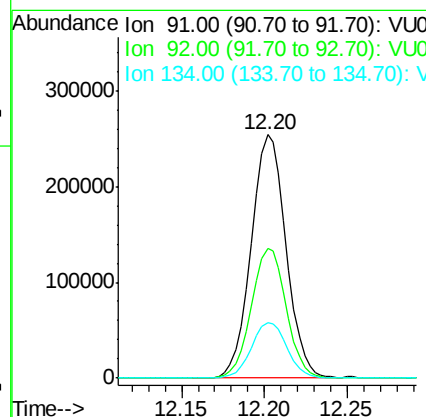
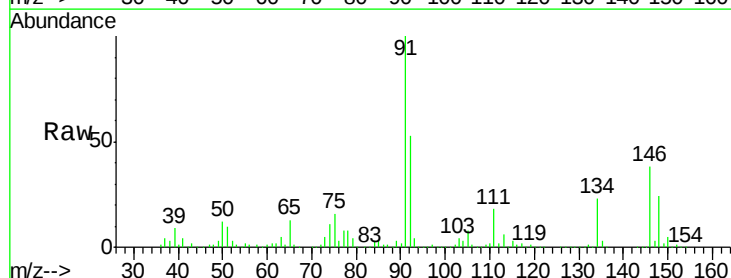
Manual Integrations
 APPROVED

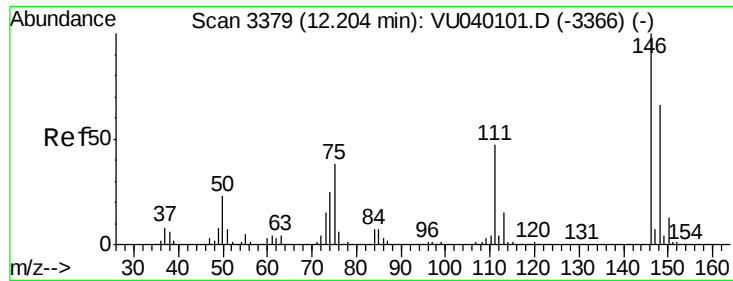
MMDadoda
 9/17/2020 4:47:17 PM



#84
 n-Butylbenzene
 Concen: 9.717 ug/l
 RT: 12.20 min Scan# 3378
 Delta R.T. 0.00 min
 Lab File: VU040062.D
 Acq: 09 Sep 2020 12:30

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.7	43.0	64.4
134	23.2	18.6	27.8





#85

1,2-Dichlorobenzene

Concen: 9.553 ug/l

RT: 12.20 min Scan# 3379

Delta R.T. 0.00 min

Lab File: VU040062.D

Acq: 09 Sep 2020 12:30

Instrument :

MSVOA_U

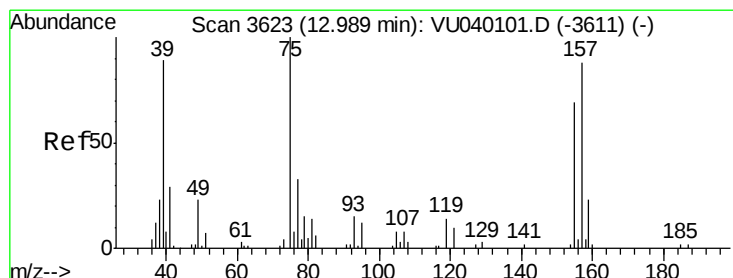
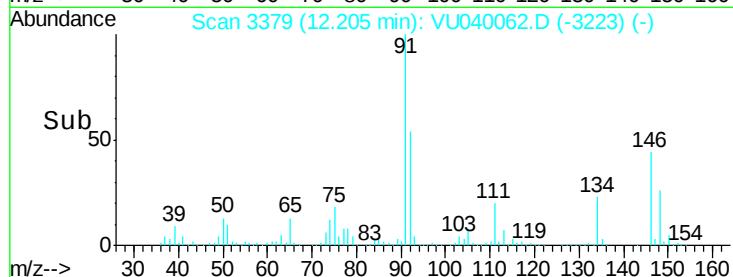
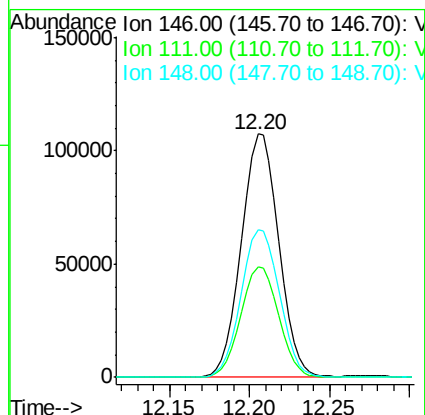
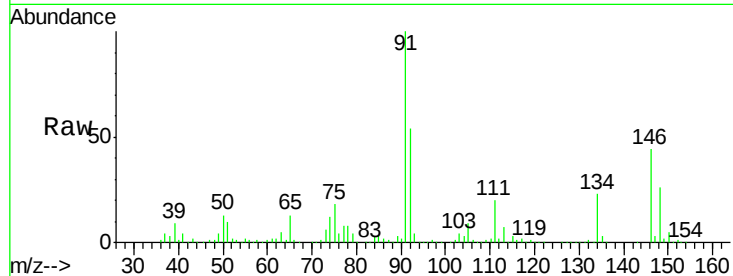
ClientSampled :

VSTDICCC010

Tot Ion:	146	Resp:	171525
Ion Ratio	Lower	Upper	
146	100		
111	45.8	22.9	68.7
148	62.1	31.1	93.2

Manual Integrations
APPROVED

MMDadoda
9/17/2020 4:47:17 PM



#86

1,2-Dibromo-3-Chloropropane

Concen: 10.377 ug/l

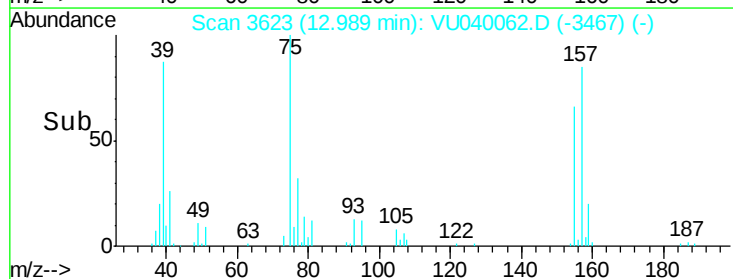
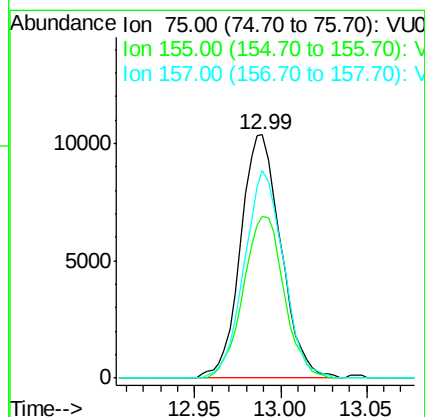
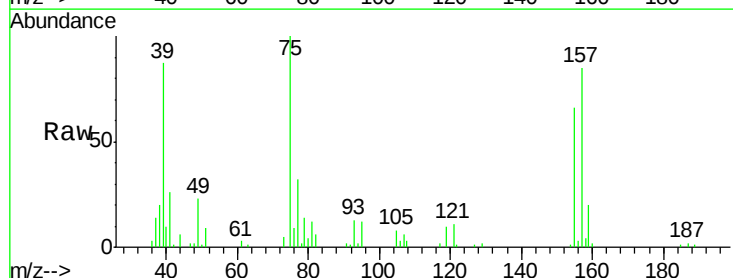
RT: 12.99 min Scan# 3623

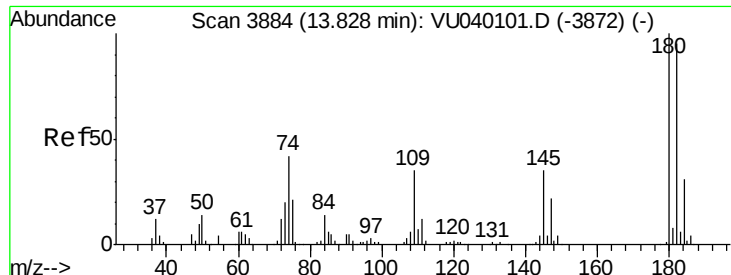
Delta R.T. 0.00 min

Lab File: VU040062.D

Acq: 09 Sep 2020 12:30

Tgt Ion:	75	Resp:	16993
Ion Ratio	Lower	Upper	
75	100		
155	66.7	53.4	80.0
157	82.3	65.8	98.8





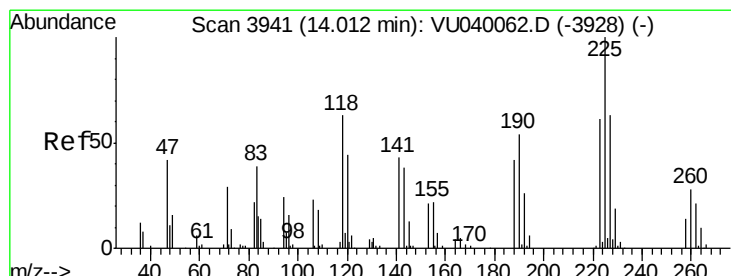
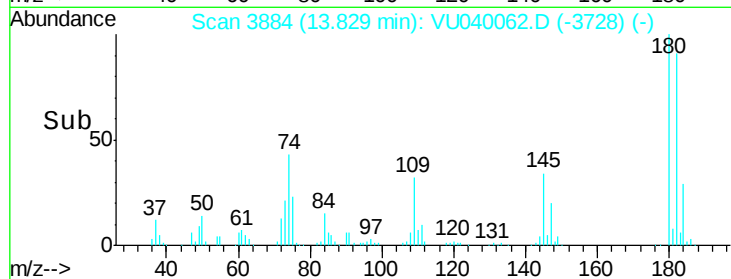
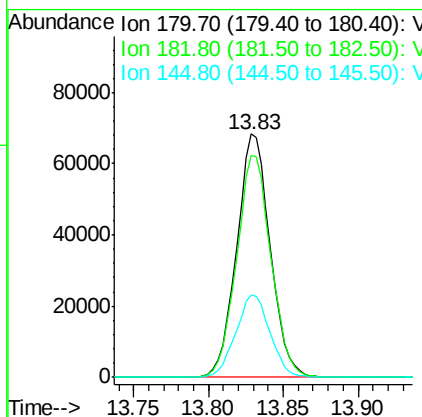
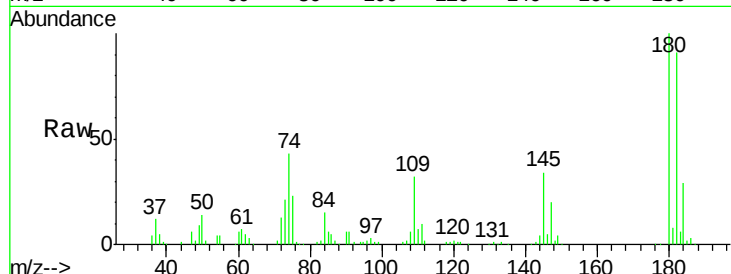
#87
 1,2,4-Trichlorobenzene
 Concen: 9.529 ug/l
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU040062.D
 Acq: 09 Sep 2020 12:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	75.0	112.4
145	34.6	27.7	41.5

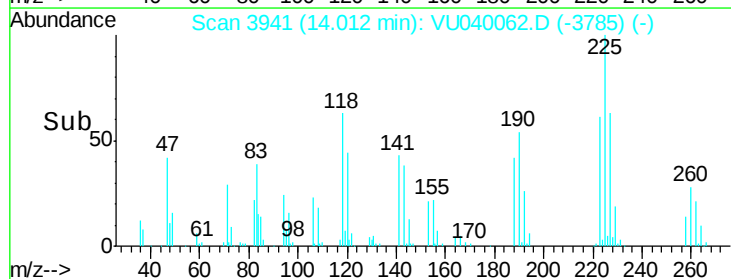
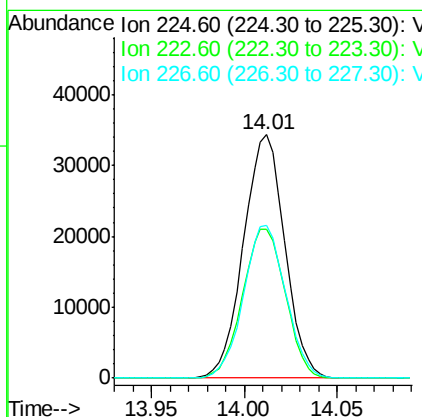
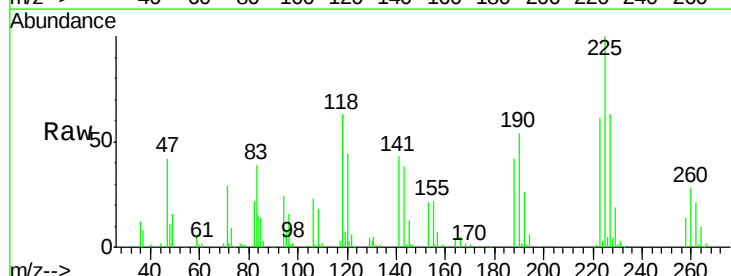
Manual Integrations
 APPROVED

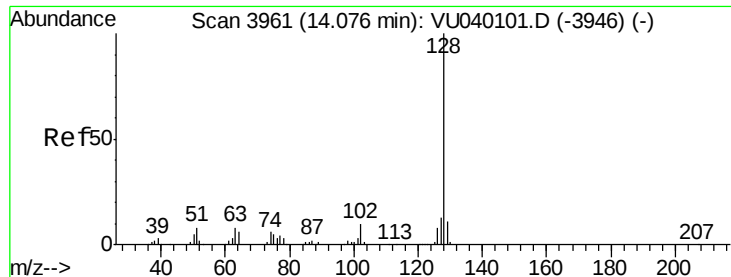
MMDadoda
 9/17/2020 4:47:17 PM



#88
 Hexachlorobutadiene
 Concen: 10.239 ug/l
 RT: 14.01 min Scan# 3941
 Delta R.T. 0.00 min
 Lab File: VU040062.D
 Acq: 09 Sep 2020 12:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.7	76.1
227	63.9	51.1	76.7





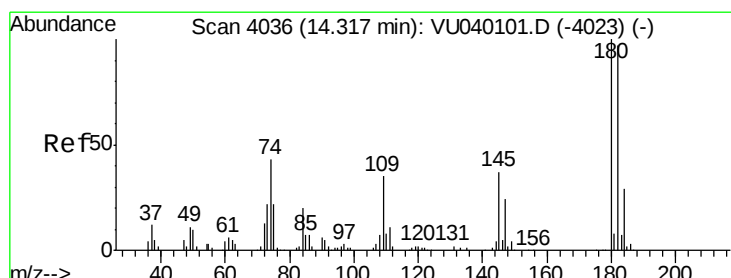
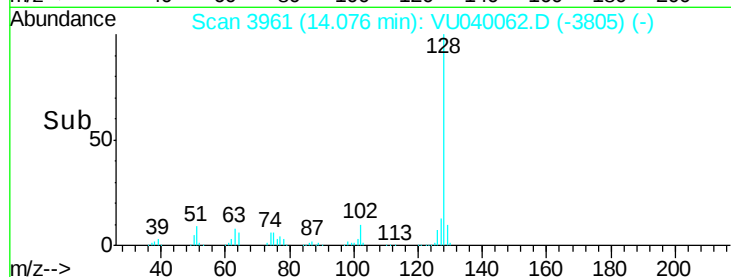
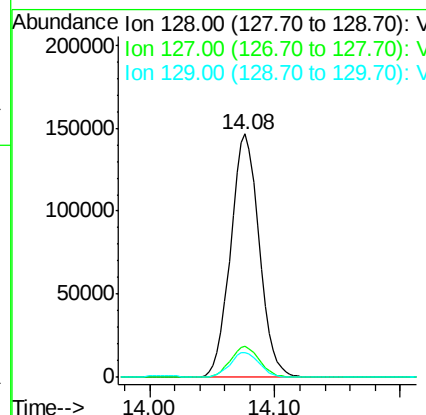
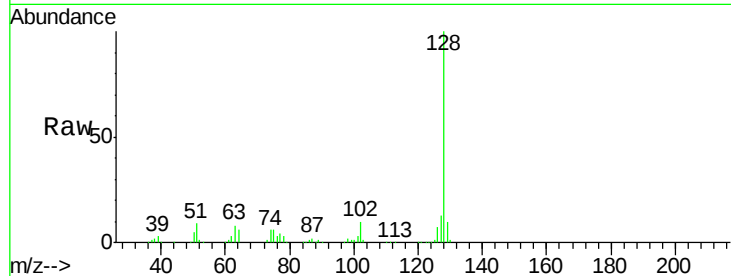
#89
Naphthalene
Concen: 9.756 ug/l
RT: 14.08 min Scan# 3961
Delta R.T. 0.00 min
Lab File: VU040062.D
Acq: 09 Sep 2020 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.4	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
9/17/2020 4:47:17 PM



#90
1,2,3-Trichlorobenzene
Concen: 9.447 ug/l
RT: 14.32 min Scan# 4037
Delta R.T. 0.00 min
Lab File: VU040062.D
Acq: 09 Sep 2020 12:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.0	114.0
145	38.2	30.6	45.8

