

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U072920\
 Data File : VU039715.D
 Acq On : 29 Jul 2020 20:54
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Quant Time: Jul 30 02:44:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 30 01:45:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.13	96	21350	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.63	95	9076	1.09	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	8377	1.03	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.00%	

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Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	67391	9.084	ug/l	99
3) Chloromethane	1.53	50	85393	9.266	ug/l	100
4) Vinyl Chloride	1.61	62	79154	9.319	ug/l	99
5) Bromomethane	1.86	94	49151	8.461	ug/l	98
6) Chloroethane	1.94	64	53304	9.045	ug/l	97
7) Trichlorofluoromethane	2.15	101	104087	9.265	ug/l	94
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	59604	9.245	ug/l	99
9) 1,1-Dichloroethene	2.59	96	55267	9.316	ug/l	99
10) Iodomethane	2.73	142	71338	11.923	ug/l	99
11) Allyl Chloride	2.93	41	118339	9.248	ug/l	98
12) Acrylonitrile	3.33	53	41564	19.961	ug/l	94
13) Acetone	2.64	43	82715	42.219	ug/l	99
14) Carbon Disulfide	2.80	76	201971	9.284	ug/l	100
15) Methylene Chloride	3.06	84	69203	8.369	ug/l	98
16) trans-1,2-Dichloroethene	3.37	96	62087	9.206	ug/l	99
17) 1,1-Dichloroethane	3.89	63	136965	9.248	ug/l	99
18) 2-Butanone	4.74	43	154454	46.882	ug/l	99
19) Cyclohexane	5.39	56	131928m	9.204	ug/l	
20) Methylcyclohexane	6.77	83	101726	9.577	ug/l	99
21) 2,2-Dichloropropane	4.68	77	102084	8.450	ug/l	99
22) cis-1,2-Dichloroethene	4.68	96	68516	9.425	ug/l	99
23) Diethyl Ether	2.39	59	55929	9.221	ug/l	98
24) tert-Butyl Alcohol	3.20	59	68642	94.628	ug/l	98
25) Methyl tert-Butyl Ether	3.38	73	183319	9.471	ug/l	99
26) Bromochloromethane	4.99	128	27043	9.092	ug/l	94
27) Chloroform	5.11	83	126503	9.127	ug/l	97
28) 1,1,1-Trichloroethane	5.33	97	104929	9.356	ug/l	100
29) 1,1-Dichloropropene	5.54	75	99913	9.251	ug/l	100
30) Carbon Tetrachloride	5.53	117	85350	9.307	ug/l	99
31) Isopropyl Ether	4.02	45	250017	9.256	ug/l	100
32) Ethyl-t-butyl ether	4.53	59	216355	9.412	ug/l	100
33) Tert-Amyl methyl ether	5.97	73	155646	9.392	ug/l	100
34) Propionitrile	4.80	54	39673	48.815	ug/l	99
35) Benzene	5.79	78	241099	9.025	ug/l	100
36) 1,2-Dichloroethane	5.81	62	90375	9.025	ug/l	99
37) Trichloroethene	6.55	130	56214	9.197	ug/l	98
38) 1,2-Dichloropropane	6.81	63	70187	9.533	ug/l	99
39) Methacrylonitrile	5.00	41	37544	8.766	ug/l	98
40) Methyl acrylate	4.87	55	51094	9.251	ug/l	99
41) Tetrahydrofuran	5.09	42	38511	17.871	ug/l	96
42) 1-Chlorobutane	5.47	56	160508	9.470	ug/l	99

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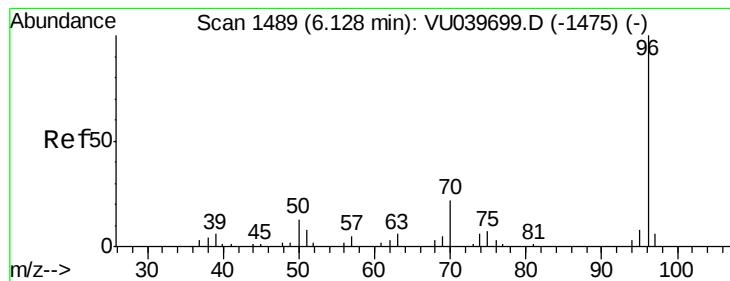
Instrument :
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Manual Integrations
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Quant Time: Jul 30 02:44:08 2020
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 30 01:45:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.93	93	37400	9.440	ug/l	98
44) Bromodichloromethane	7.12	83	85675	9.431	ug/l	99
45) 4-Methyl-2-Pentanone	7.81	43	297700	49.602	ug/l	99
46) t-1,4-Dichloro-2-butene	10.83	75	34898m	19.549	ug/l	
47) Methyl methacrylate	6.98	69	73856	19.986	ug/l	98
48) Ethyl methacrylate	8.35	69	67633	9.944	ug/l	99
49) Toluene	7.98	92	153176	9.633	ug/l	100
50) t-1,3-Dichloropropene	8.22	75	81309	9.938	ug/l	98
51) cis-1,3-Dichloropropene	7.62	75	91098	9.473	ug/l	97
52) 1,1,2-Trichloroethane	8.41	97	48959	9.511	ug/l	99
53) 1,3-Dichloropropane	8.58	76	92383	9.347	ug/l	99
54) 2-Hexanone	8.70	43	213548	49.695	ug/l	99
55) Dibromochloromethane	8.82	129	54849	9.923	ug/l	99
56) 1,2-Dibromoethane	8.93	107	47733	9.623	ug/l	100
58) Tetrachloroethene	8.56	164	49785	9.305	ug/l	97
59) Chlorobenzene	9.45	112	157554	9.582	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.54	131	53558	9.660	ug/l	99
61) Pentachloroethane	11.43	117	46767	9.601	ug/l	97
62) Hexachloroethane	12.47	117	44562	9.981	ug/l	100
63) Ethyl Benzene	9.57	91	292893	9.939	ug/l	100
64) m/p-Xylenes	9.70	106	232130	20.163	ug/l	99
65) o-Xylene	10.10	106	109845	10.049	ug/l	98
66) Styrene	10.11	104	192733	10.289	ug/l	99
67) Bromoform	10.29	173	28531	10.118	ug/l	98
69) Isopropylbenzene	10.48	105	291151	9.972	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.78	83	73136	9.870	ug/l	99
71) 1,2,3-Trichloropropane	10.83	75	48103m	8.617	ug/l	
72) Bromobenzene	10.78	156	64092	9.666	ug/l	98
73) n-propylbenzene	10.91	120	81979	9.987	ug/l	98
74) 2-Chlorotoluene	10.99	126	68167	9.830	ug/l	98
75) 1,3,5-Trimethylbenzene	11.09	105	259100	10.266	ug/l	99
76) 4-Chlorotoluene	11.10	126	73323	10.208	ug/l	98
77) tert-Butylbenzene	11.42	119	243681	10.064	ug/l	99
78) 1,2,4-Trimethylbenzene	11.46	105	271783	10.500	ug/l	99
79) sec-Butylbenzene	11.64	105	346295	10.048	ug/l	100
80) Nitrobenzene	13.20	77	6363	48.807	ug/l	97
81) p-Isopropyltoluene	11.79	119	279825	10.075	ug/l	99
82) 1,3-Dichlorobenzene	11.74	146	134889	9.452	ug/l	100
83) 1,4-Dichlorobenzene	11.83	146	136602	9.516	ug/l	99
84) n-Butylbenzene	12.20	91	290020	9.831	ug/l	100
85) 1,2-Dichlorobenzene	12.21	146	131292	9.545	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.99	75	13270	10.631	ug/l	98
87) 1,2,4-Trichlorobenzene	13.83	180	81562	9.481	ug/l	98
88) Hexachlorobutadiene	14.01	225	35517	9.091	ug/l	99
89) Naphthalene	14.08	128	185242	10.064	ug/l	100
90) 1,2,3-Trichlorobenzene	14.32	180	77340	9.523	ug/l	99

(#) = 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: VU039715.D

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Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 96 Resp: 21350

Ion Ratio Lower Upper

96 100

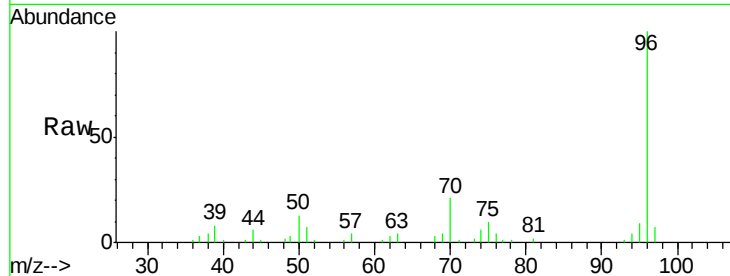
70 19.9 16.3 24.5

95 9.2 6.8 10.2

97 0.0 0.0 0.0

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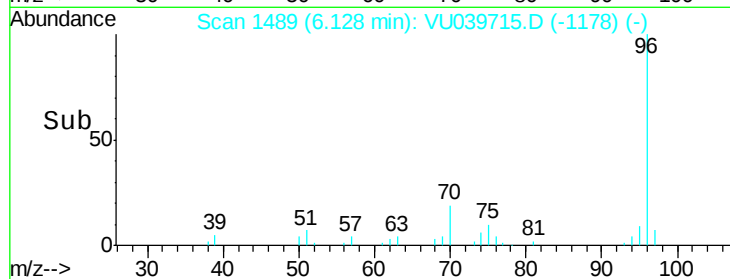
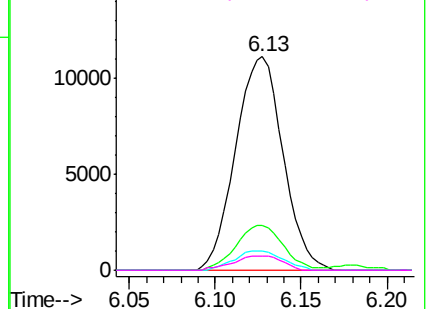


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

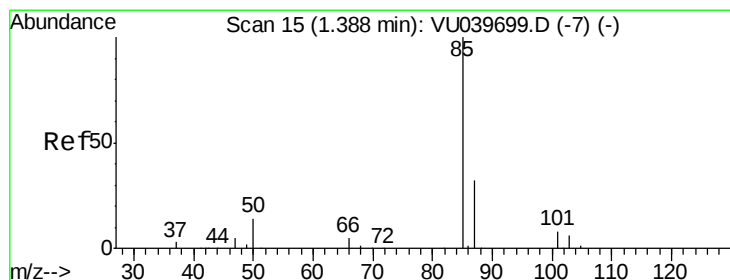
Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



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#2

Dichlorodifluoromethane

Concen: 9.084 ug/l

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU039715.D

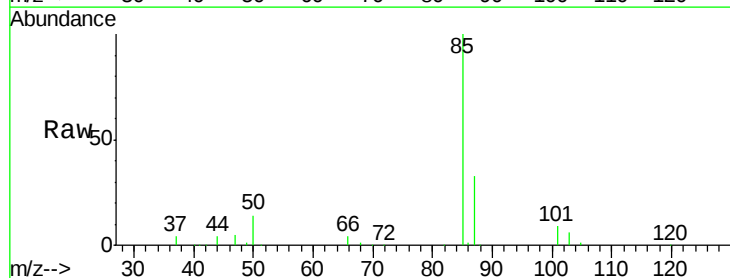
Acq: 29 Jul 2020 20:54

Tgt Ion: 85 Resp: 67391

Ion Ratio Lower Upper

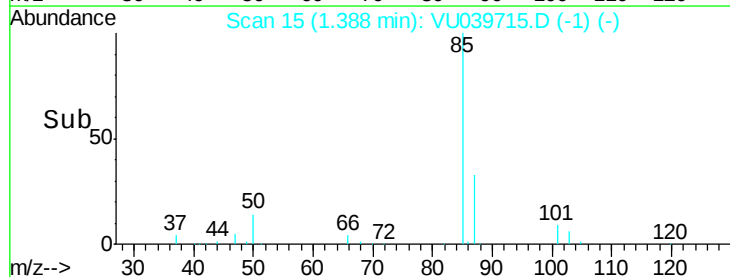
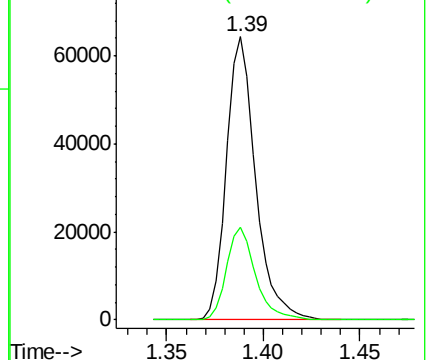
85 100

87 32.8 16.2 48.6



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 9.266 ug/l

RT: 1.53 min Scan# 59

Delta R.T. -0.00 min

Lab File: VU039715.D

Acq: 29 Jul 2020 20:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

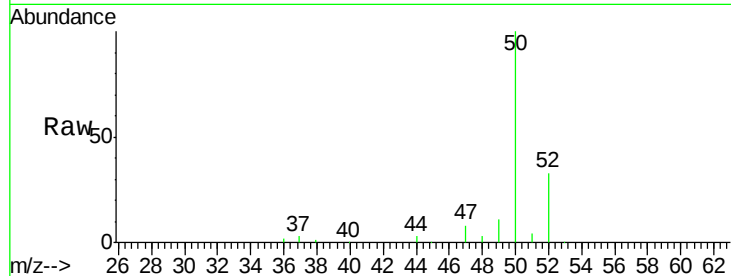
Tot Ion: 50 Resp: 85393

Ion Ratio Lower Upper

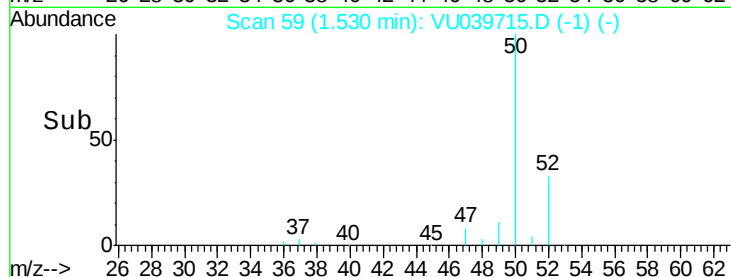
50 100

52 32.7 26.0 39.0

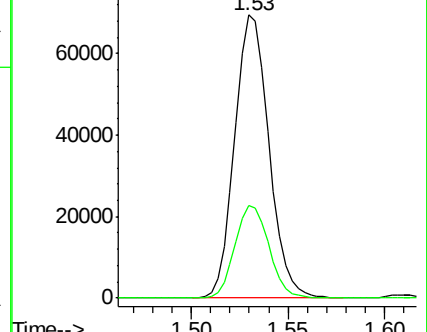
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Abundance Ion 50.00 (49.70 to 50.70): VU039715.D (-1) (-)

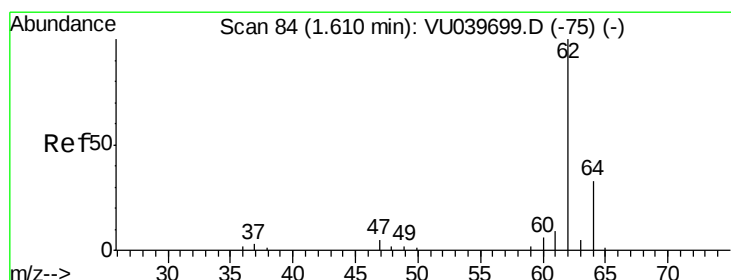


Ion 52.00 (51.70 to 52.70): VU039715.D (-1) (-)



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#4

Vinyl Chloride

Concen: 9.319 ug/l

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039715.D

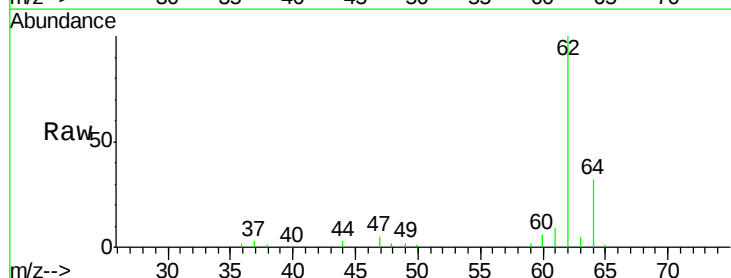
Acq: 29 Jul 2020 20:54

Tgt Ion: 62 Resp: 79154

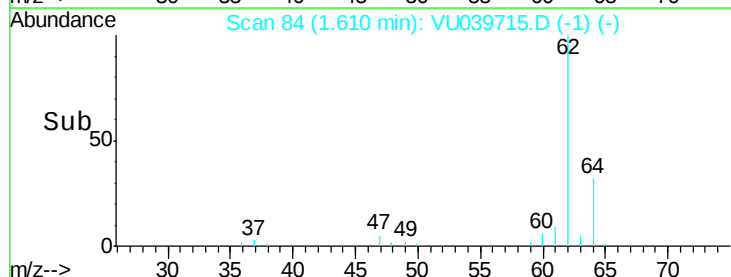
Ion Ratio Lower Upper

62 100

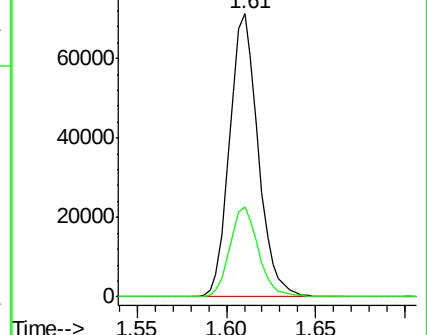
64 31.8 26.0 39.0

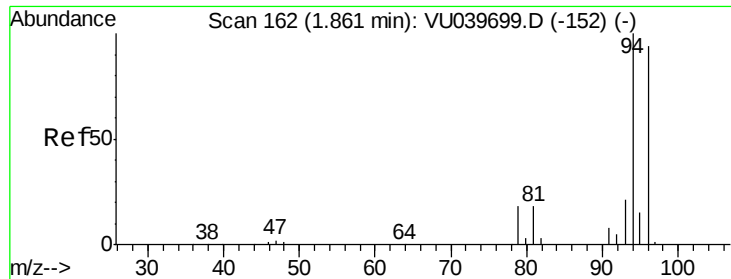


Abundance Ion 62.00 (61.70 to 62.70): VU039715.D (-1) (-)



Ion 64.00 (63.70 to 64.70): VU039715.D (-1) (-)





#5

Bromomethane

Concen: 8.461 ug/l

RT: 1.86 min Scan# 161

Delta R.T. -0.00 min

Lab File: VU039715.D

Acq: 29 Jul 2020 20:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 94 Resp: 49151

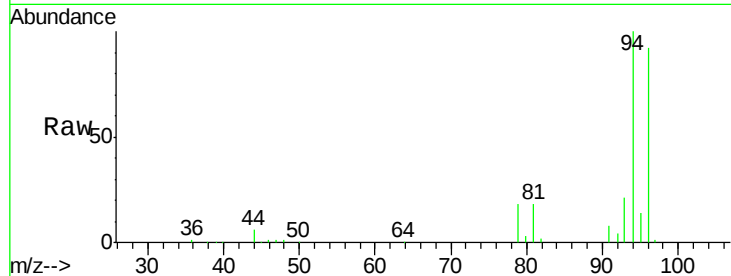
Ion Ratio Lower Upper

94 100

96 91.7 75.0 112.6

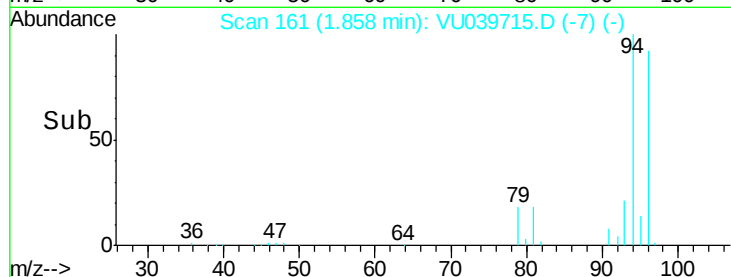
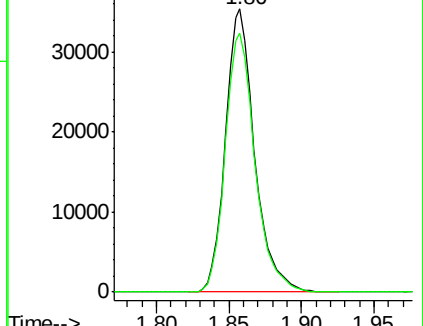
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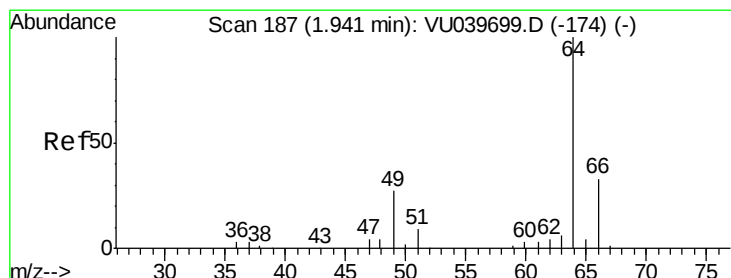
Abundance Ion 94.00 (93.70 to 94.70): VU039715.D (-152) (-)

Ion 96.00 (95.70 to 96.70): VU039715.D (-152) (-)



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#6

Chloroethane

Concen: 9.045 ug/l

RT: 1.94 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU039715.D

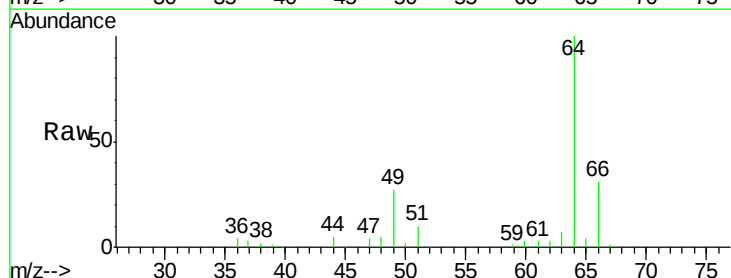
Acq: 29 Jul 2020 20:54

Tgt Ion: 64 Resp: 53304

Ion Ratio Lower Upper

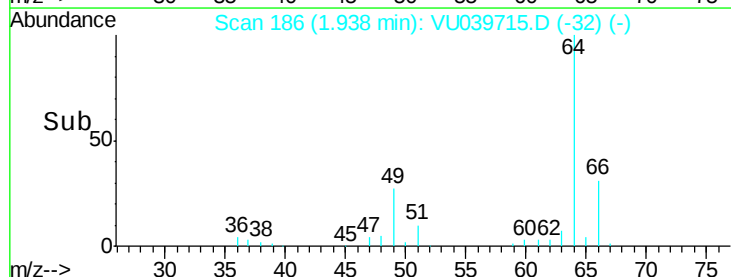
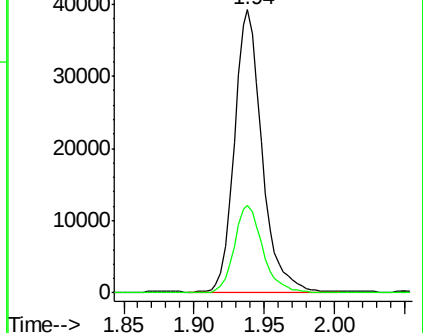
64 100

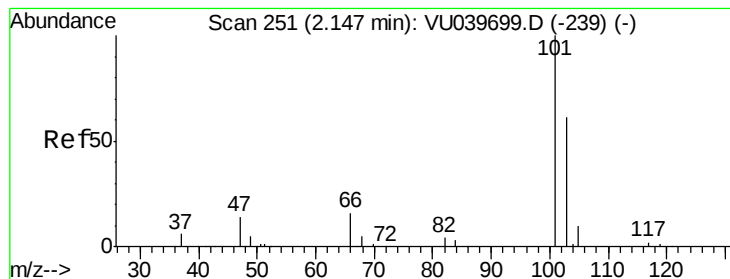
66 31.2 26.2 39.2



Abundance Ion 64.00 (63.70 to 64.70): VU039715.D (-174) (-)

Ion 66.00 (65.70 to 66.70): VU039715.D (-174) (-)





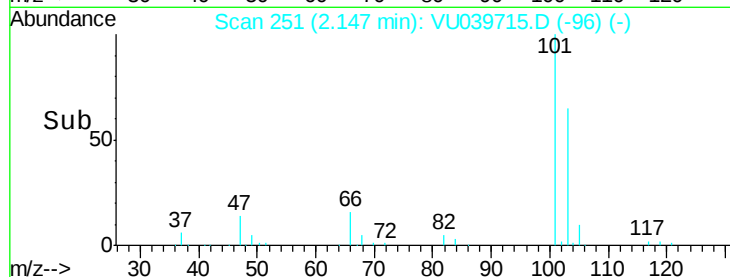
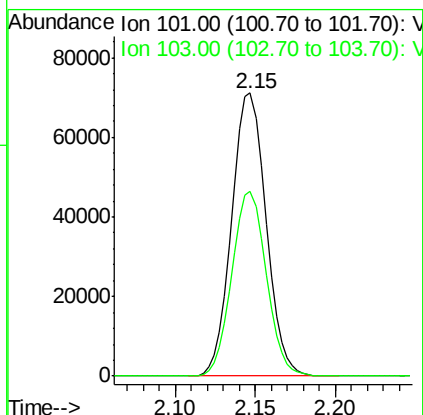
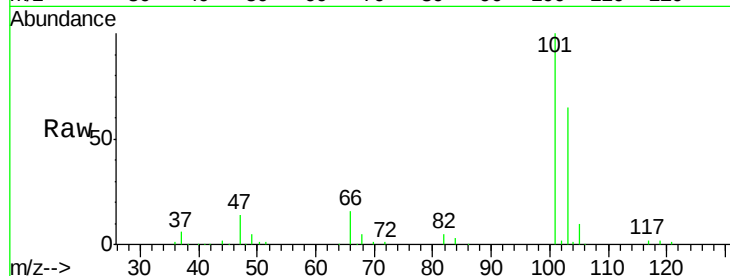
#7

Trichlorofluoromethane
Concen: 9.265 ug/l
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU039715.D
Acq: 29 Jul 2020 20:54

Instrument :
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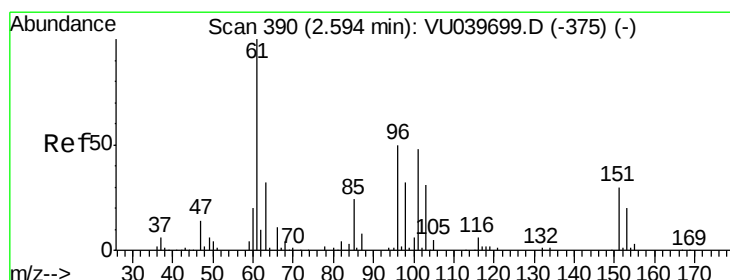
Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	48.8	73.2

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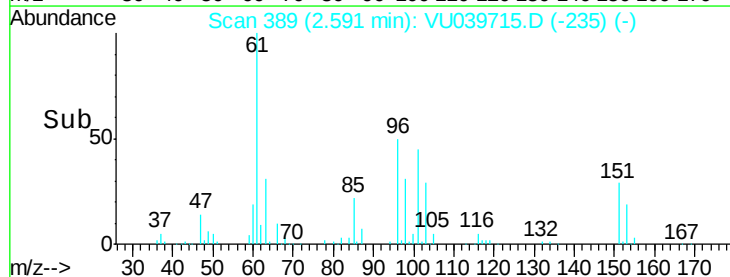
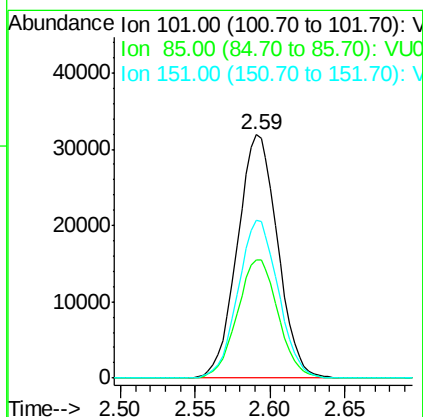
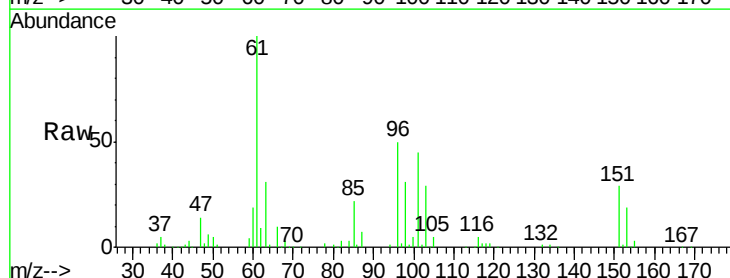
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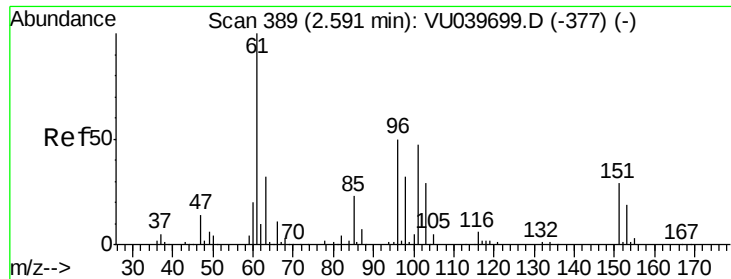


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 9.245 ug/l
RT: 2.59 min Scan# 389
Delta R.T. -0.00 min
Lab File: VU039715.D
Acq: 29 Jul 2020 20:54

Tgt Ion	Ratio	Lower	Upper
101	100		
85	49.3	39.9	59.9
151	65.1	51.0	76.4





#9

1,1-Dichloroethene

Concen: 9.316 ug/l

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039715.D

Acq: 29 Jul 2020 20:54

Instrument :

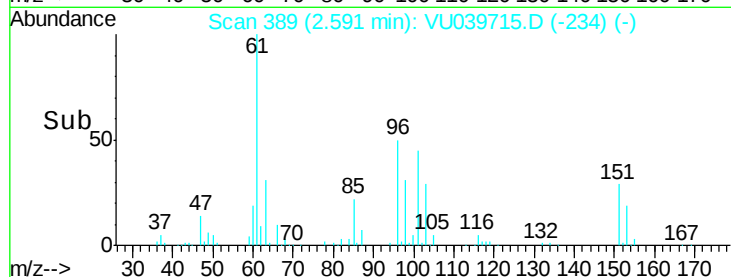
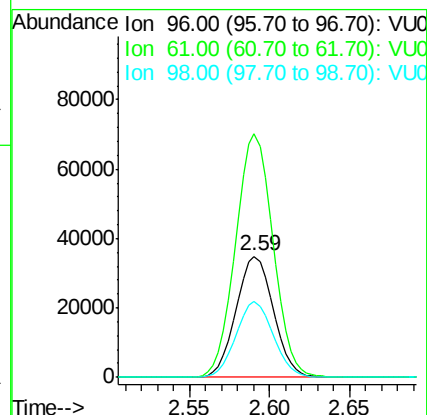
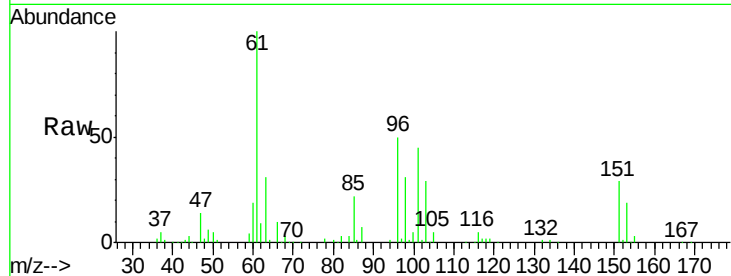
MSVOA_U

ClientSampleId :

VSTDCCC010EC

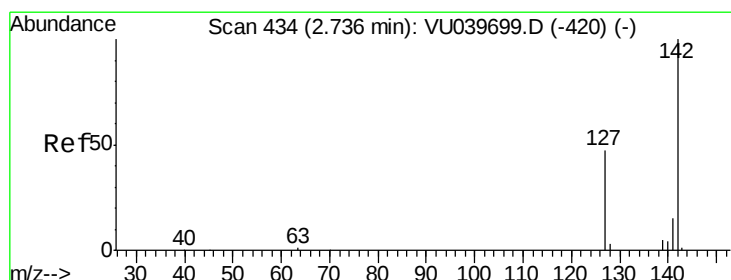
Tot Ion:	96	Resp:	55267
Ion	Ratio	Lower	Upper
96	100		
61	200.7	0.0	604.5
98	62.1	0.0	127.2

Manual Integrations
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#10

Iodomethane

Concen: 11.923 ug/l

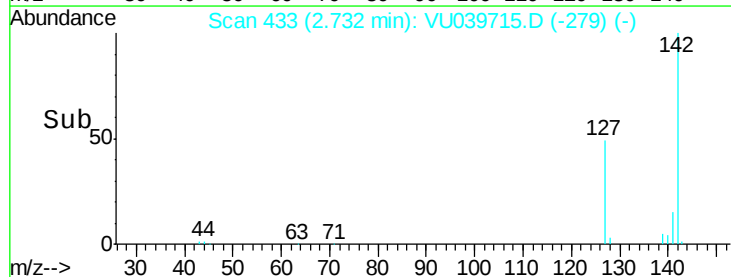
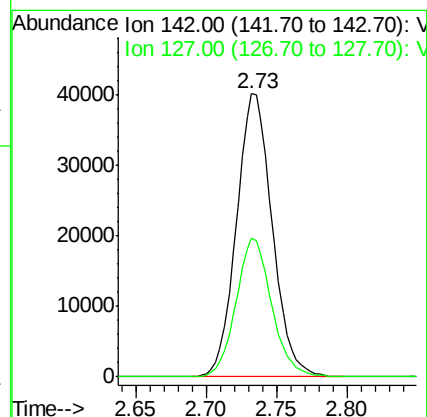
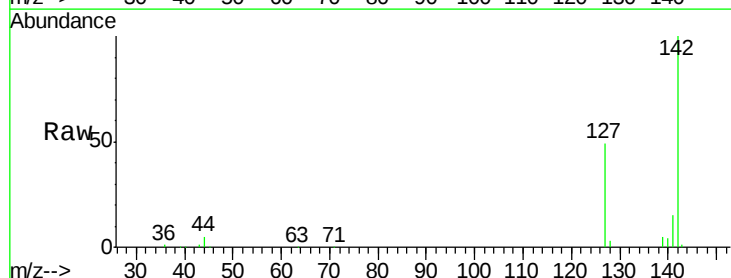
RT: 2.73 min Scan# 433

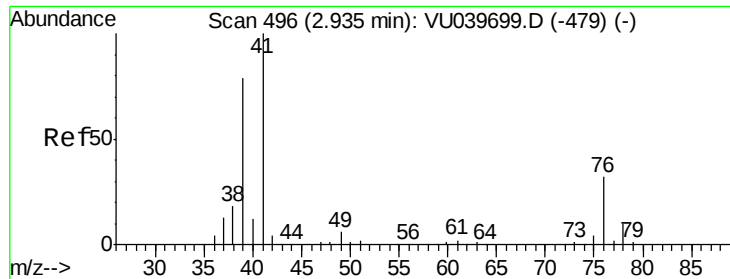
Delta R.T. -0.00 min

Lab File: VU039715.D

Acq: 29 Jul 2020 20:54

Tgt Ion:	142	Resp:	71338
Ion	Ratio	Lower	Upper
142	100		
127	48.7	38.4	57.6



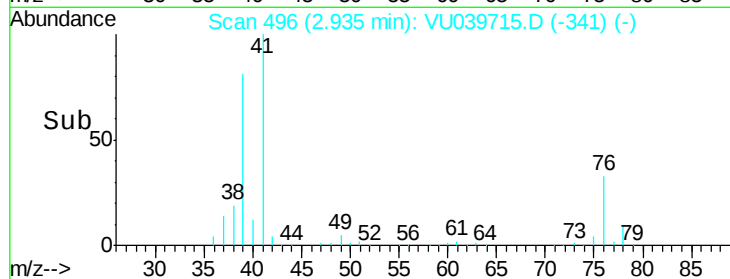
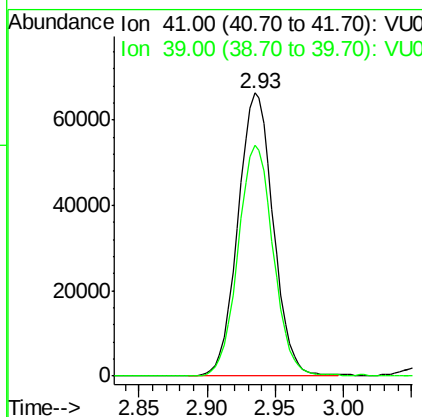
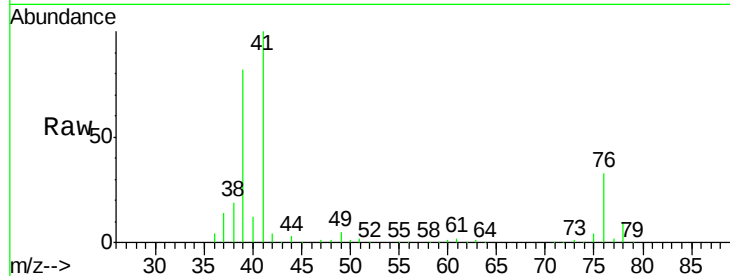


#11
Allvl Chloride
Concen: 9.248 ug/l
RT: 2.93 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU039715.D
Acq: 29 Jul 2020 20:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

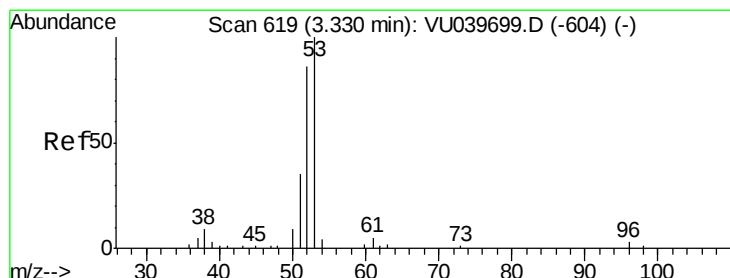
Tot Ion: 41 Resp: 118339
Ion Ratio Lower Upper
41 100
39 82.1 64.2 96.2

Manual Integrations
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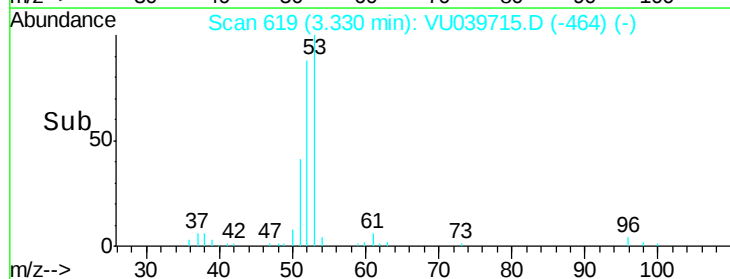
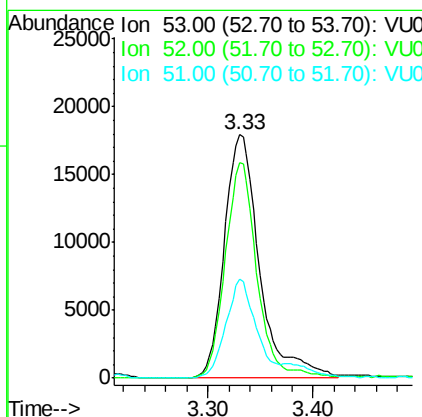
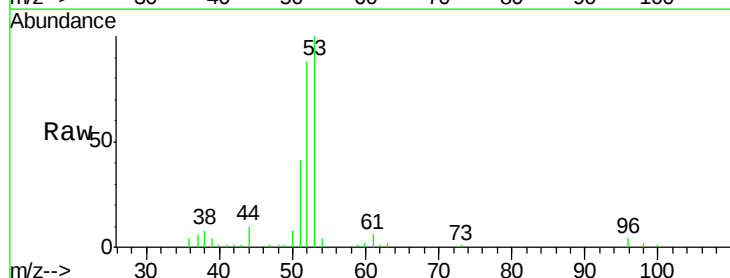
MMDadoda

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#12
Acrylonitrile
Concen: 19.961 ug/l
RT: 3.33 min Scan# 619
Delta R.T. -0.00 min
Lab File: VU039715.D
Acq: 29 Jul 2020 20:54

Tgt Ion: 53 Resp: 41564
Ion Ratio Lower Upper
53 100
52 79.9 69.1 103.7
51 35.1 29.4 44.2





#13

Acetone

Concen: 42.219 ug/l

RT: 2.64 min Scan# 403

Delta R.T. -0.00 min

Lab File: VU039715.D

Acq: 29 Jul 2020 20:54

Tot Ion: 43 Resp: 82715

Ion Ratio Lower Upper

43 100

58 27.5 21.8 32.6

Instrument :

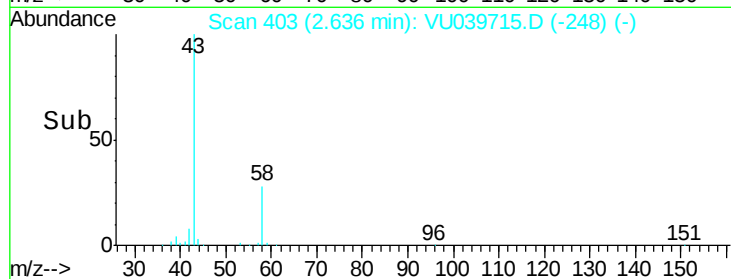
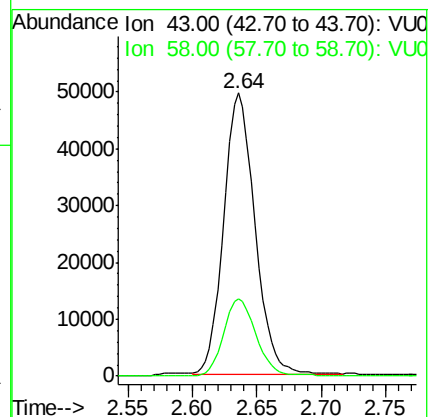
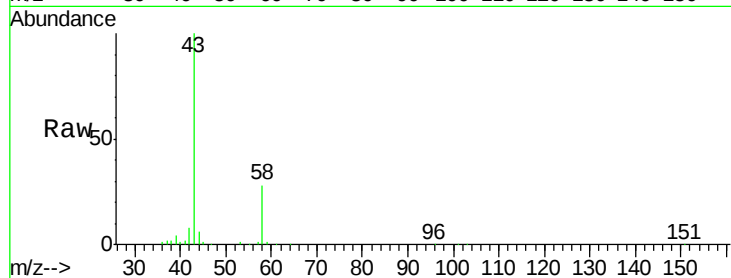
MSVOA_U

ClientSampleId :

VSTDCCC010EC

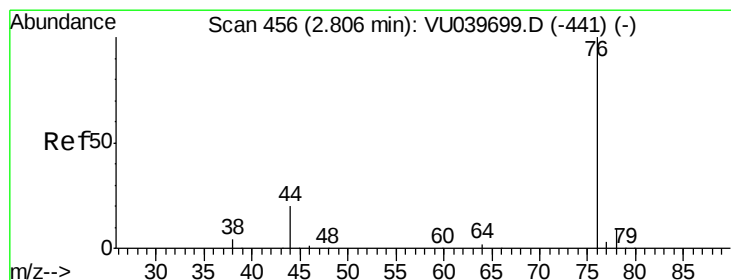
Manual Integrations

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#14

Carbon Disulfide

Concen: 9.284 ug/l

RT: 2.80 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU039715.D

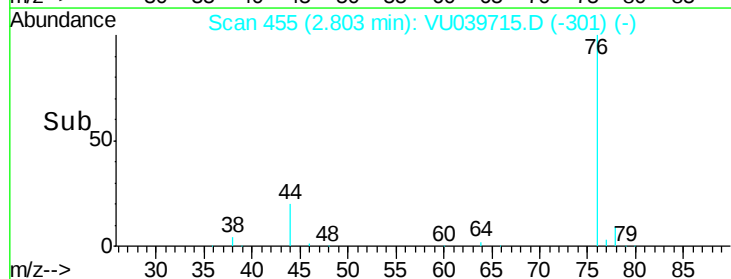
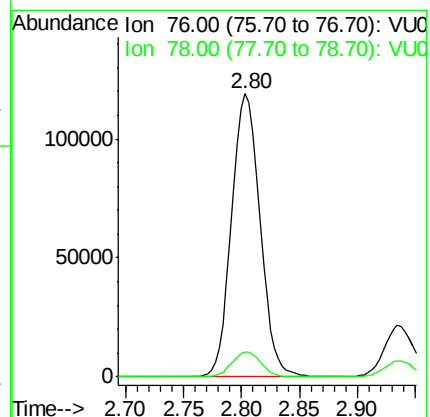
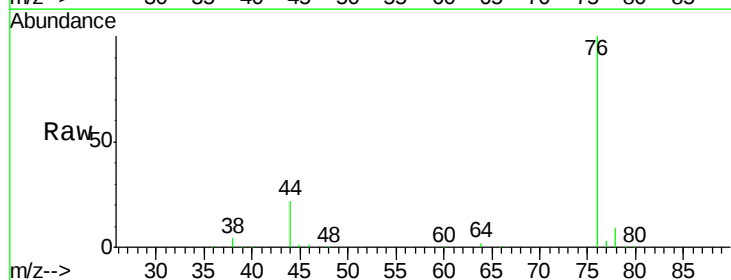
Acq: 29 Jul 2020 20:54

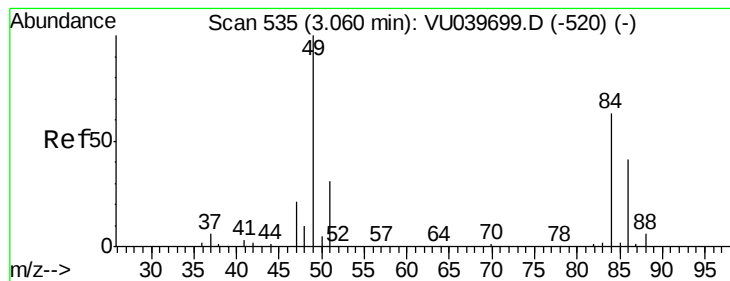
Tgt Ion: 76 Resp: 201971

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6





#15

Methylene Chloride

Concen: 8.369 ug/l

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU039715.D

Acq: 29 Jul 2020 20:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 84 Resp: 69203

Ion Ratio Lower Upper

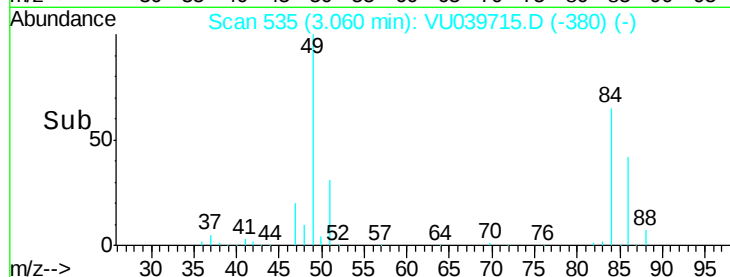
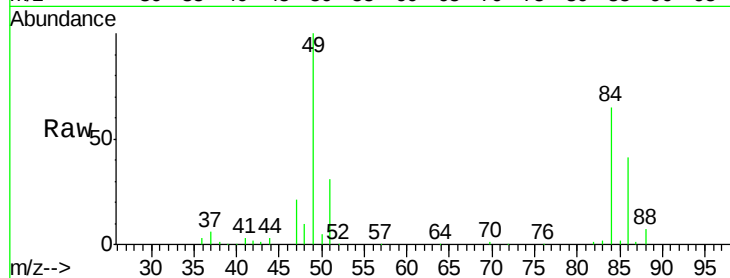
84 100

49 154.7 126.8 190.2

51 48.0 0.0 97.2

86 64.1 51.4 77.2

Manual Integrations
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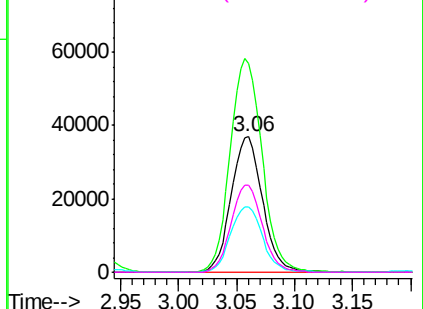


Abundance Ion 84.00 (83.70 to 84.70): VU039715.D (-380) (-)

Ion 49.00 (48.70 to 49.70): VU039715.D (-380) (-)

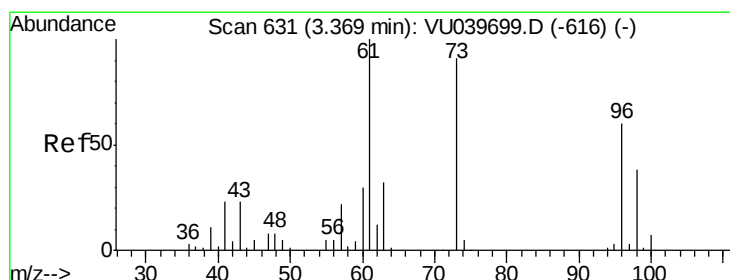
Ion 51.00 (50.70 to 51.70): VU039715.D (-380) (-)

Ion 86.00 (85.70 to 86.70): VU039715.D (-380) (-)



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#16

trans-1,2-Dichloroethene

Concen: 9.206 ug/l

RT: 3.37 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU039715.D

Acq: 29 Jul 2020 20:54

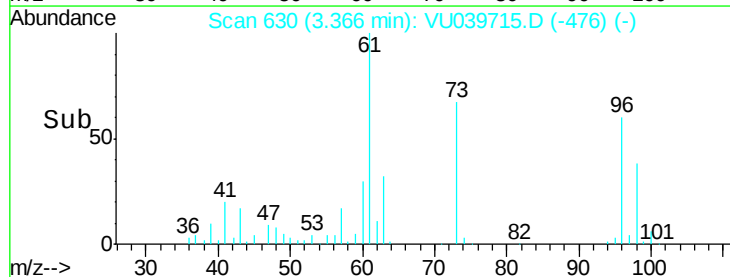
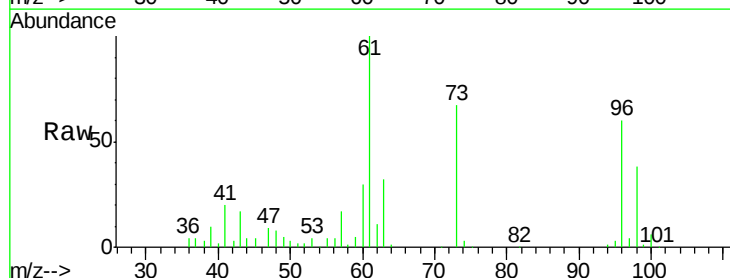
Tgt Ion: 96 Resp: 62087

Ion Ratio Lower Upper

96 100

61 167.7 132.6 199.0

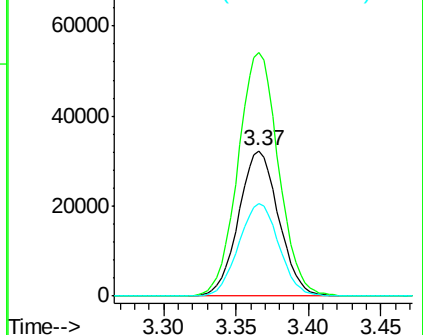
98 63.8 50.2 75.2

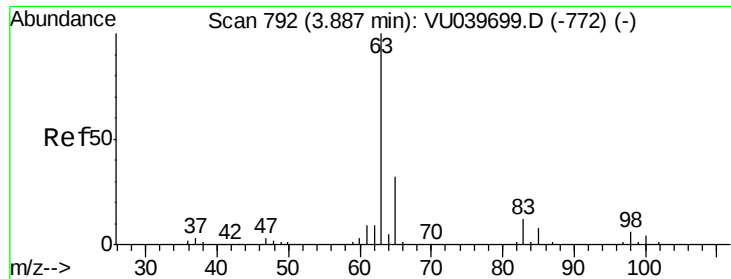


Abundance Ion 96.00 (95.70 to 96.70): VU039715.D (-476) (-)

Ion 61.00 (60.70 to 61.70): VU039715.D (-476) (-)

Ion 98.00 (97.70 to 98.70): VU039715.D (-476) (-)



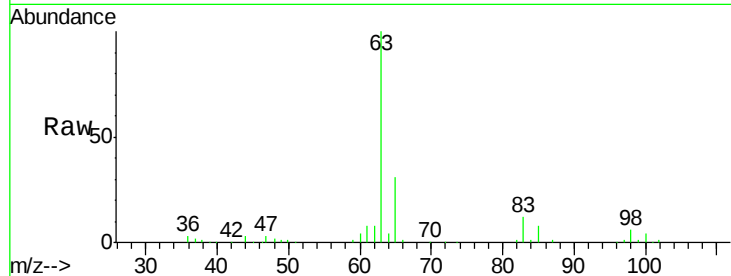


#17
 1,1-Dichloroethane
 Concen: 9.248 ug/l
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU039715.D
 Acq: 29 Jul 2020 20:54

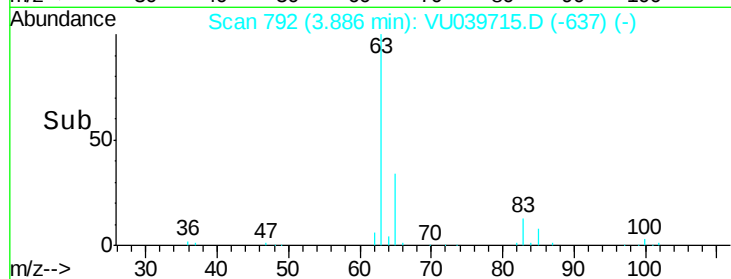
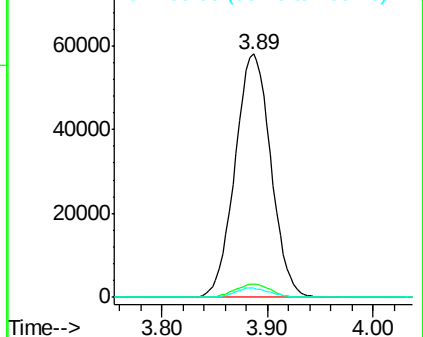
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
98	5.5	2.9	8.7
100	3.8	2.0	6.0

Manual Integrations
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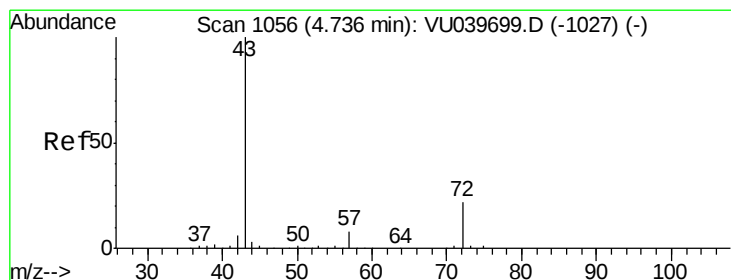


Abundance Ion 63.00 (62.70 to 63.70): VU039715.D (-637) (-)
 Ion 98.00 (97.70 to 98.70): VU039715.D (-901) (-)
 Ion 100.00 (99.70 to 100.70): VU039715.D (-901) (-)



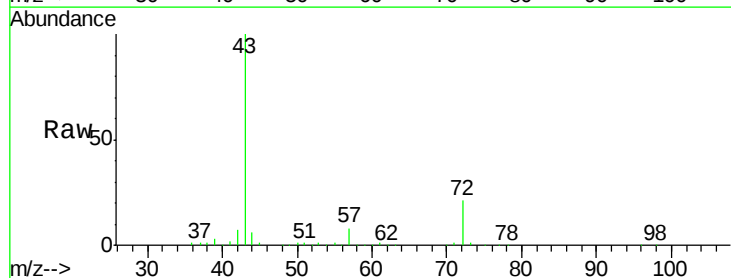
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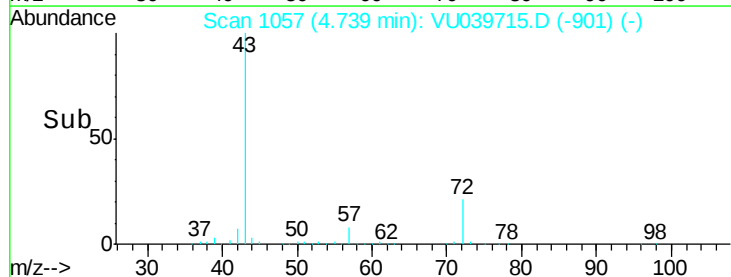
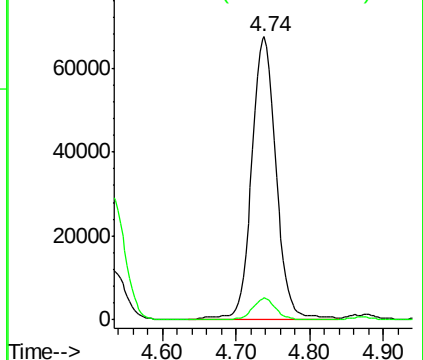


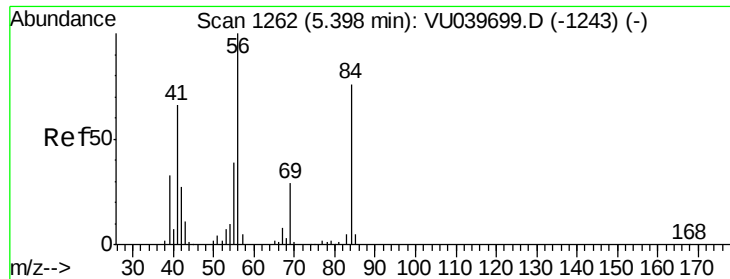
#18
 2-Butanone
 Concen: 46.882 ug/l
 RT: 4.74 min Scan# 1057
 Delta R.T. 0.00 min
 Lab File: VU039715.D
 Acq: 29 Jul 2020 20:54

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.9	0.0	15.2



Abundance Ion 43.00 (42.70 to 43.70): VU039715.D (-901) (-)
 Ion 57.00 (56.70 to 57.70): VU039715.D (-901) (-)



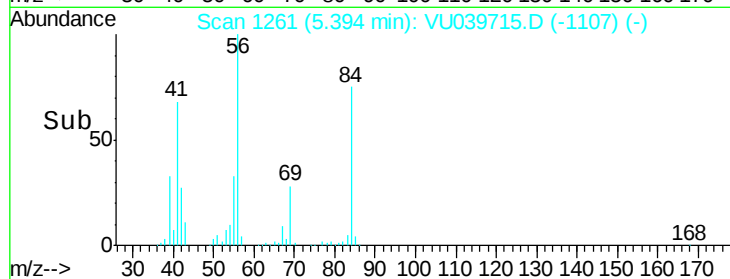
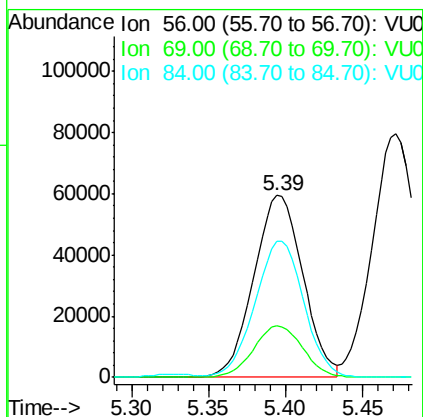
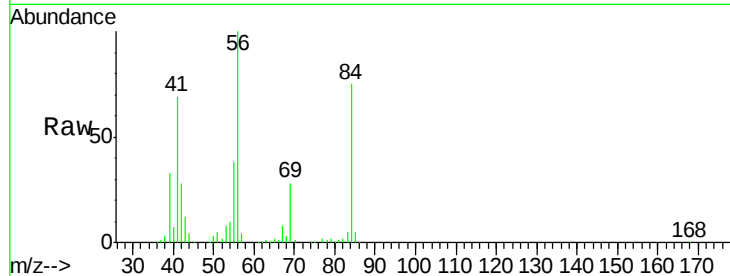


#19
Cyclohexane
Concen: 9.204 ug/l m
RT: 5.39 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VU039715.D
Acq: 29 Jul 2020 20:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

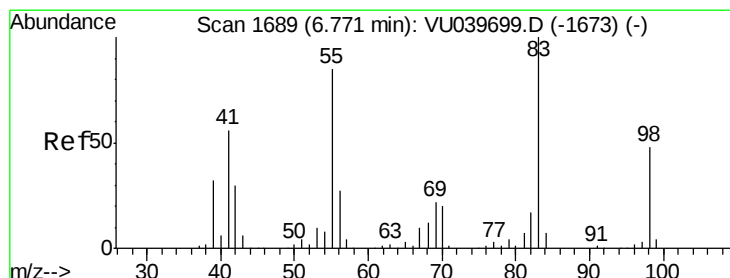
Tot Ion:	56	Resp:	131928
Ion	Ratio	Lower	Upper
56	100		
69	28.4	22.8	34.2
84	72.7	59.9	89.9

Manual Integrations
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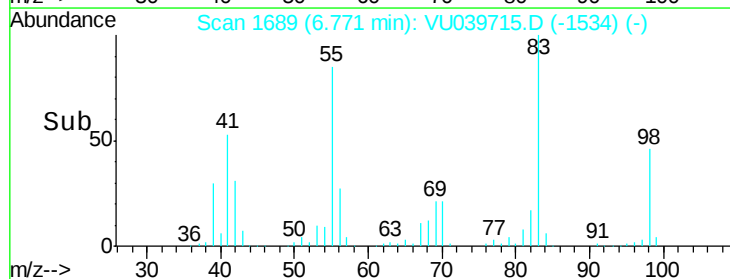
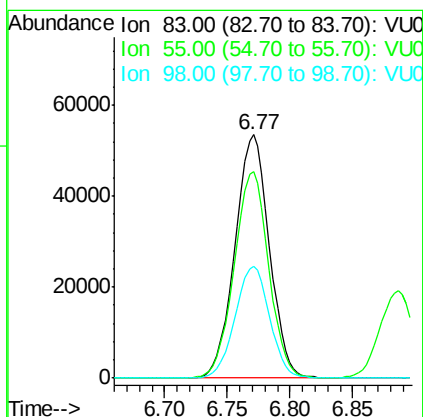
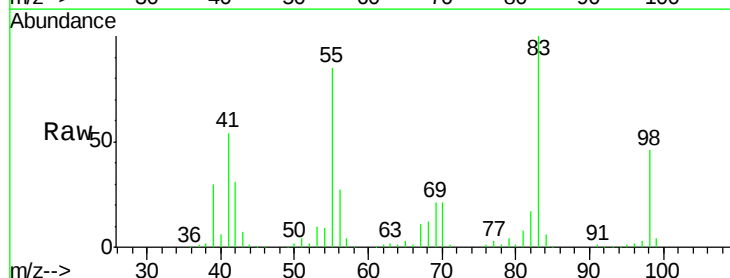
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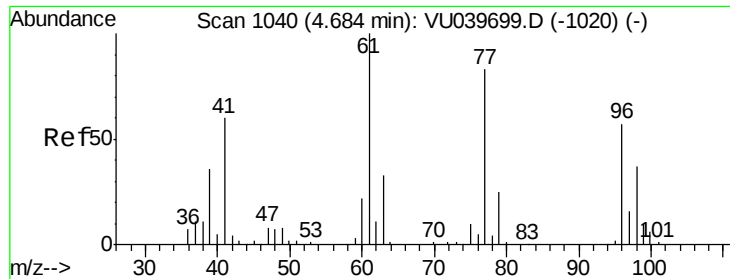
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#20
Methylcyclohexane
Concen: 9.577 ug/l
RT: 6.77 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VU039715.D
Acq: 29 Jul 2020 20:54

Tgt Ion:	83	Resp:	101726
Ion	Ratio	Lower	Upper
83	100		
55	85.5	67.6	101.4
98	46.3	37.3	55.9



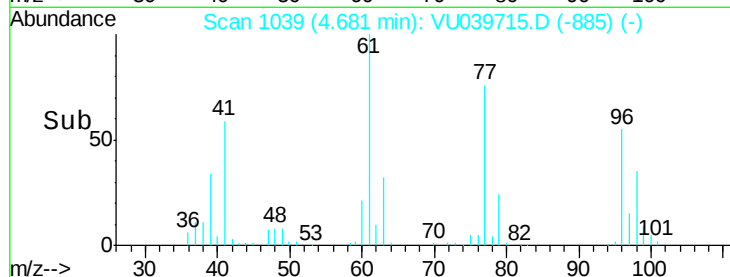
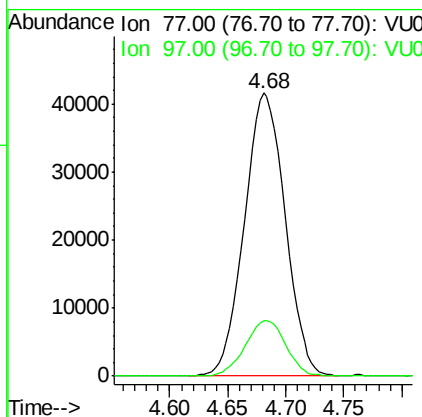
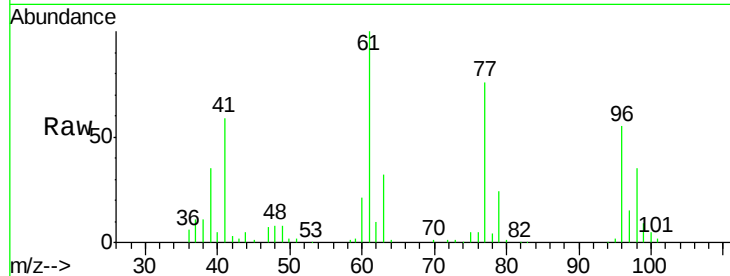


#21
 2,2-Dichloropropane
 Concen: 8.450 ug/l
 RT: 4.68 min Scan# 1039
 Delta R.T. -0.00 min
 Lab File: VU039715.D
 Acq: 29 Jul 2020 20:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

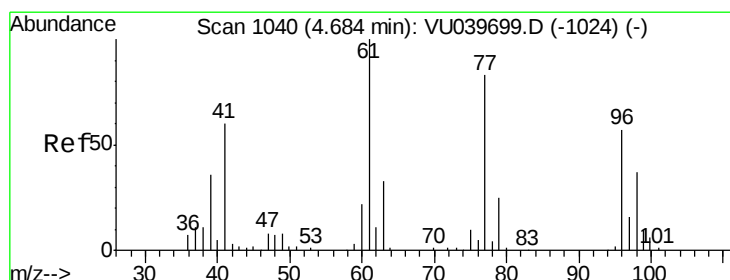
Tot Ion: 77 Resp: 102084
 Ion Ratio Lower Upper
 77 100
 97 19.5 15.2 22.8

Manual Integrations
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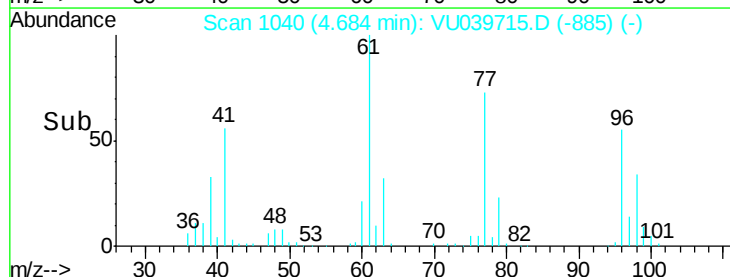
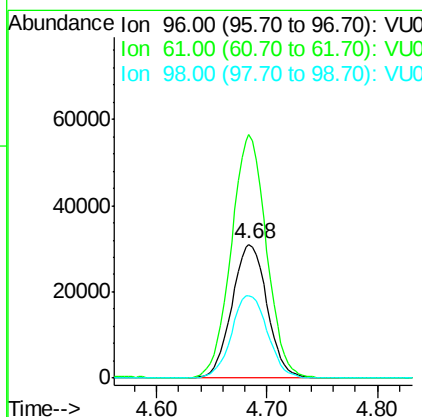
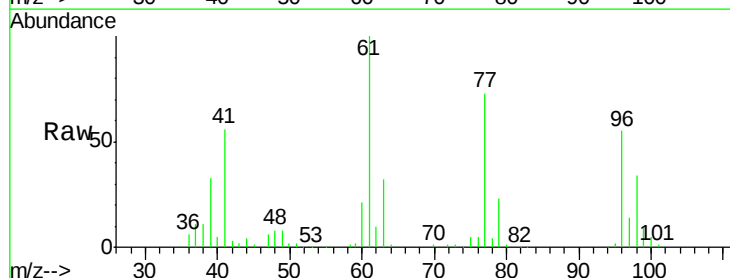
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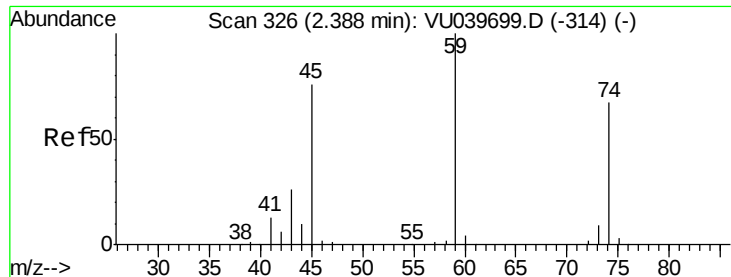
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#22
 cis-1,2-Dichloroethene
 Concen: 9.425 ug/l
 RT: 4.68 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: VU039715.D
 Acq: 29 Jul 2020 20:54

Tgt Ion: 96 Resp: 68516
 Ion Ratio Lower Upper
 96 100
 61 180.8 0.0 451.3
 98 63.1 32.6 98.0



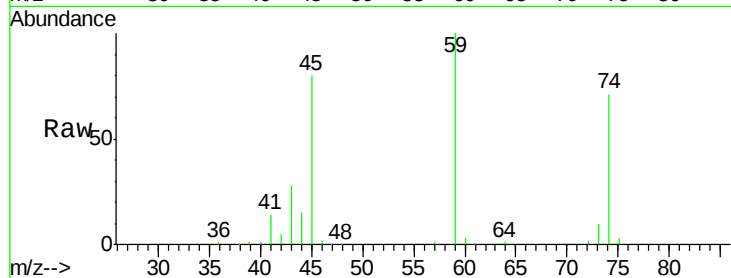


#23
Diethyl Ether
Concen: 9.221 ug/l
RT: 2.39 min Scan# 326
Delta R.T. -0.00 min
Lab File: VU039715.D
Acq: 29 Jul 2020 20:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
59	100		
45	78.9	61.5	92.3
74	69.4	54.3	81.5

Manual Integrations
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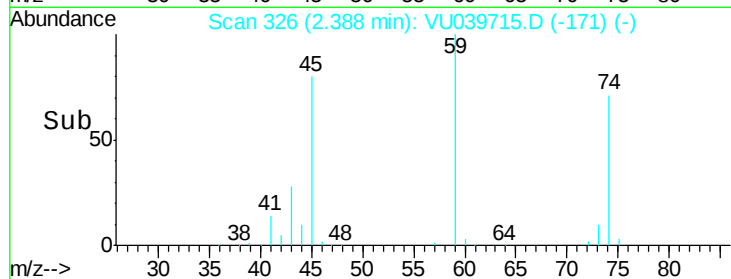
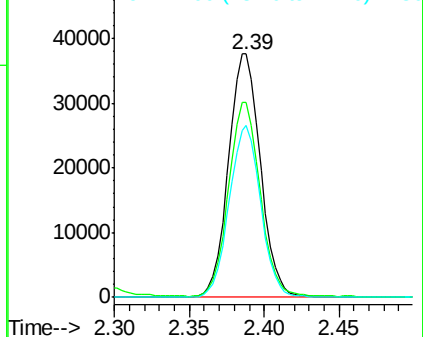


Abundance

Ion 59.00 (58.70 to 59.70): VU039699.D (-314) (-)

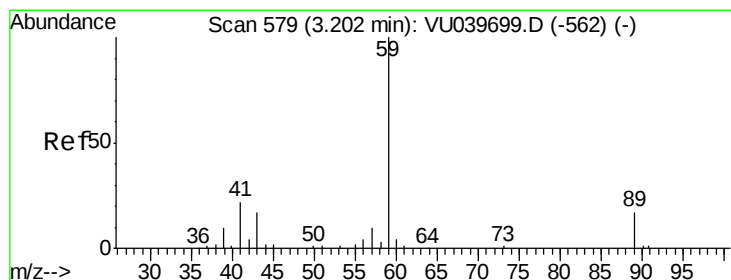
Ion 45.00 (44.70 to 45.70): VU039699.D (-314) (-)

Ion 74.00 (73.70 to 74.70): VU039699.D (-314) (-)



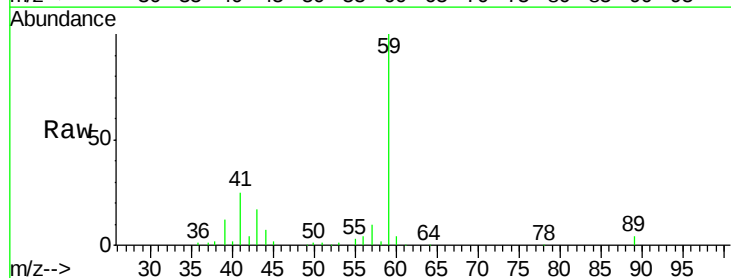
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#24
tert-Butyl Alcohol
Concen: 94.628 ug/l
RT: 3.20 min Scan# 579
Delta R.T. 0.00 min
Lab File: VU039715.D
Acq: 29 Jul 2020 20:54

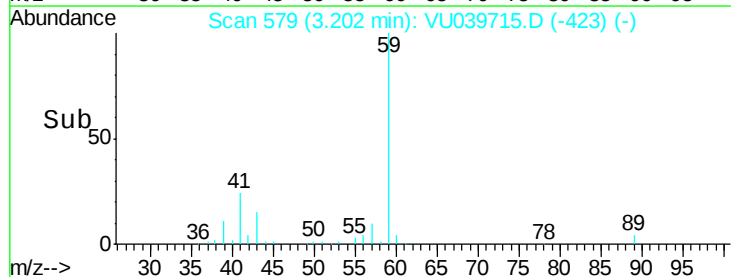
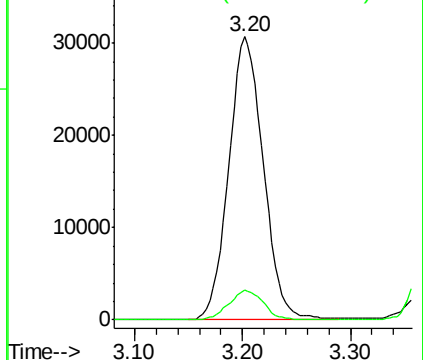
Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.8	11.6

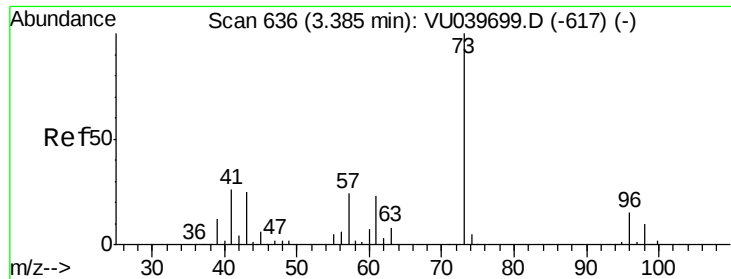


Abundance

Ion 59.00 (58.70 to 59.70): VU039699.D (-562) (-)

Ion 57.00 (56.70 to 57.70): VU039699.D (-562) (-)



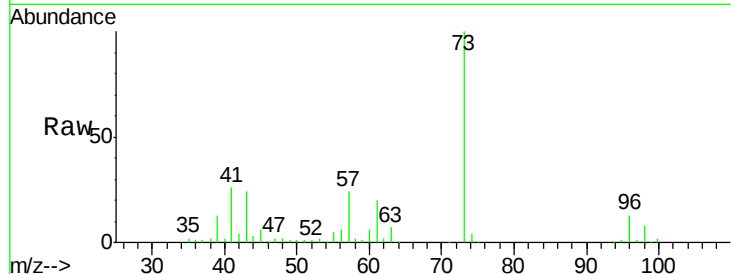


#25
Methvl tert-Butvl Ether
Concen: 9.471 ug/l
RT: 3.38 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU039715.D
Acq: 29 Jul 2020 20:54

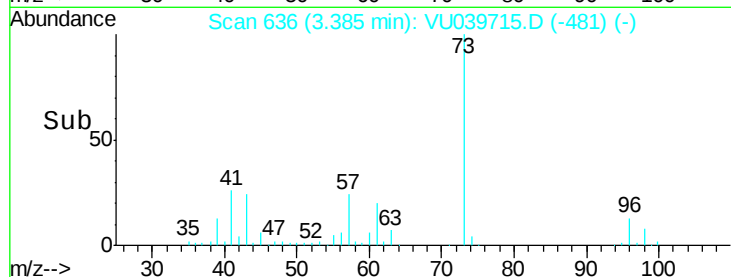
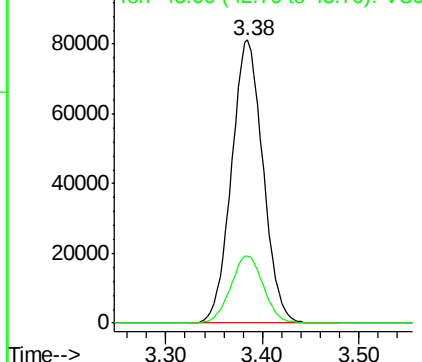
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion: 73 Resp: 183319
Ion Ratio Lower Upper
73 100
43 24.8 20.1 30.1

Manual Integrations
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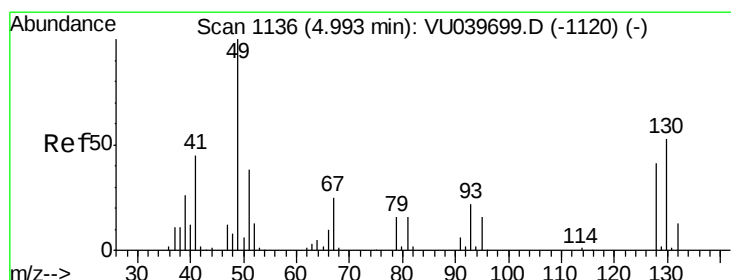


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0



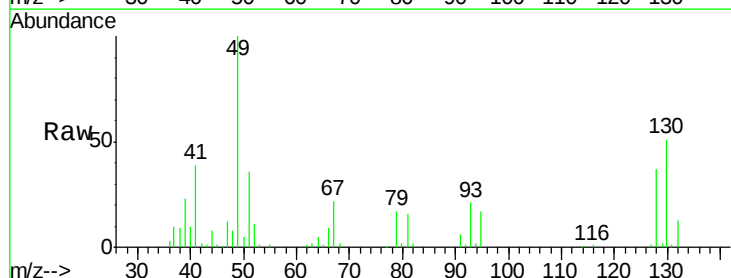
MMDadoda

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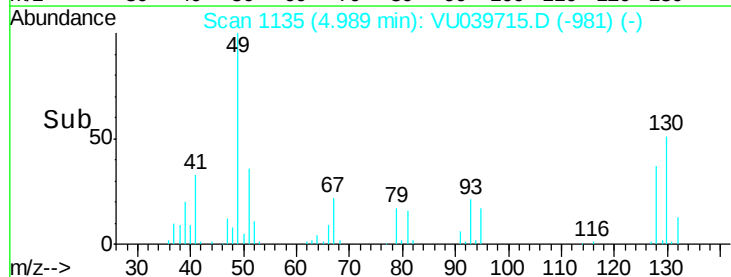
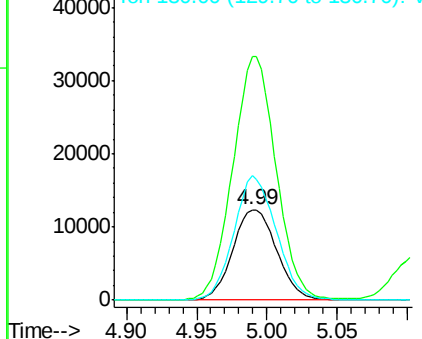


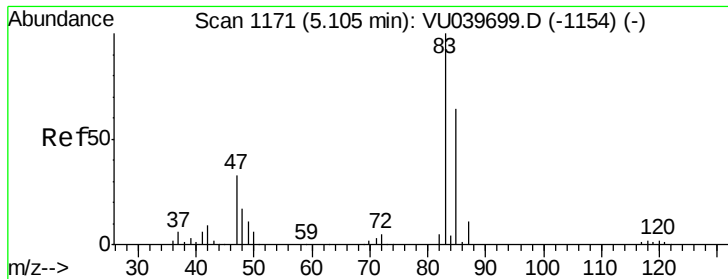
#26
Bromochloromethane
Concen: 9.092 ug/l
RT: 4.99 min Scan# 1135
Delta R.T. -0.00 min
Lab File: VU039715.D
Acq: 29 Jul 2020 20:54

Tgt Ion: 128 Resp: 27043
Ion Ratio Lower Upper
128 100
49 264.2 0.0 503.8
130 132.4 102.7 154.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VU0
Ion 130.00 (129.70 to 130.70): V



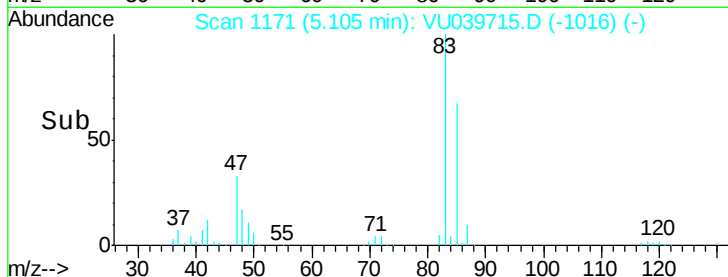
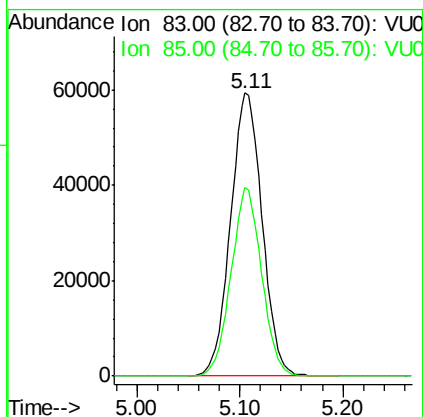
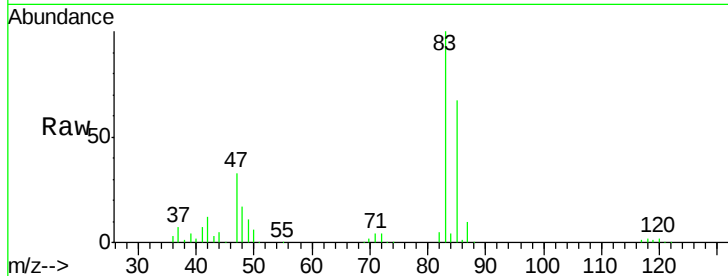


#27
Chloroform
Concen: 9.127 ug/l
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU039715.D
Acq: 29 Jul 2020 20:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

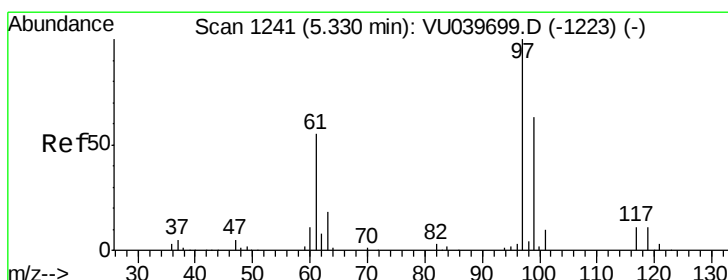
Tot Ion	83	Resp	126503
Ion Ratio	100	Lower	Upper
85	66.6	0.0	128.8

Manual Integrations
APPROVED



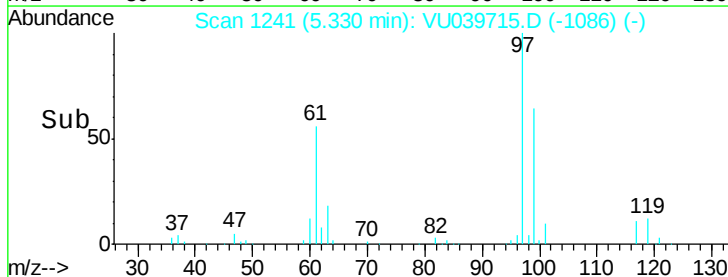
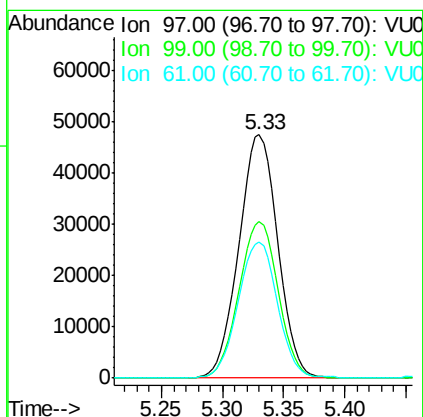
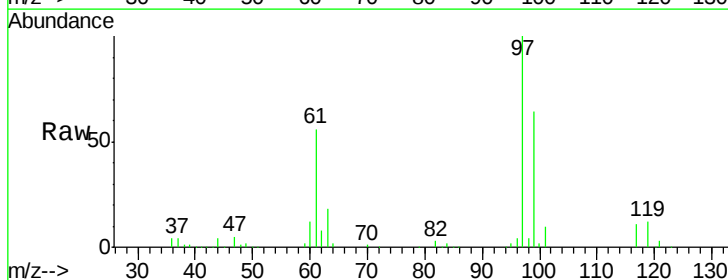
MMDadoda

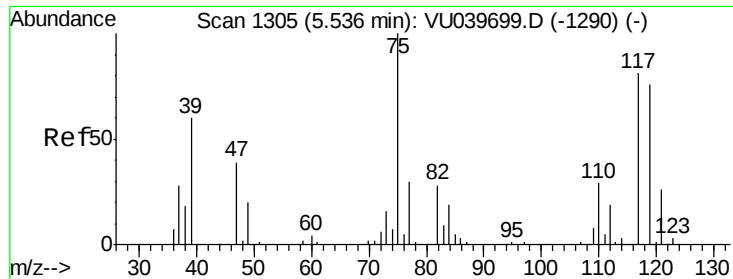
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#28
1,1,1-Trichloroethane
Concen: 9.356 ug/l
RT: 5.33 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VU039715.D
Acq: 29 Jul 2020 20:54

Tgt Ion	97	Resp	104929
Ion Ratio	100	Lower	Upper
99	64.6	32.2	96.6
61	56.7	28.3	85.0



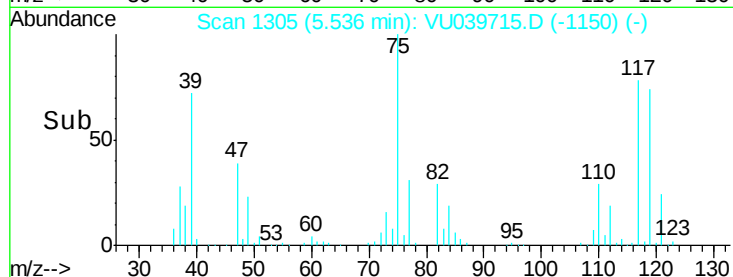
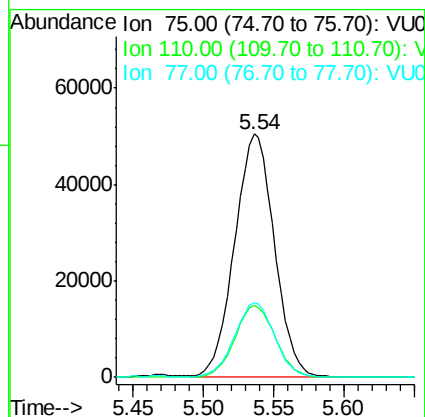
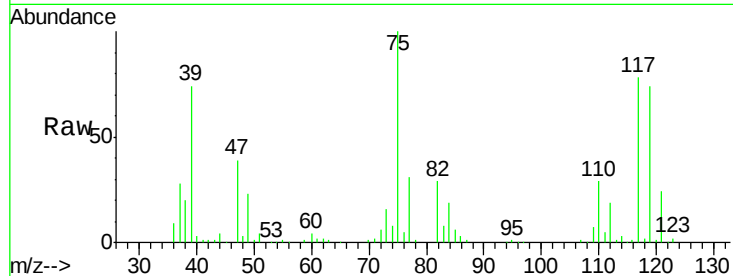


#29
1,1-Dichloropropene
Concen: 9.251 ug/l
RT: 5.54 min Scan# 1305
Delta R.T. -0.00 min
Lab File: VU039715.D
Acq: 29 Jul 2020 20:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

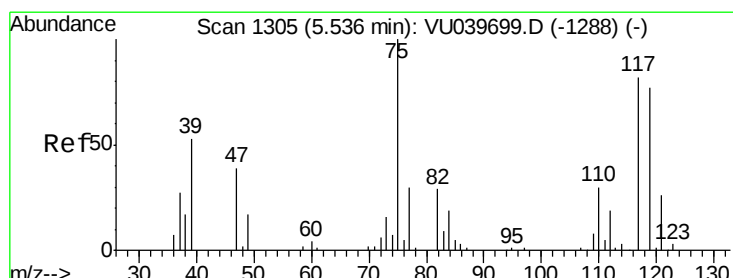
Tot Ion	Ratio	Lower	Upper
75	100		
110	29.8	14.6	44.0
77	31.2	25.0	37.4

Manual Integrations
APPROVED



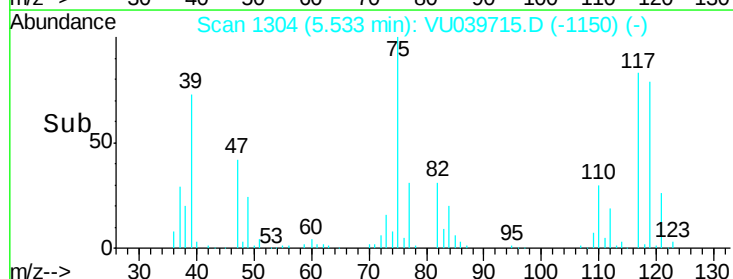
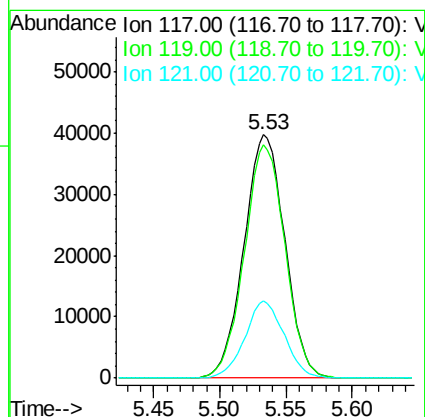
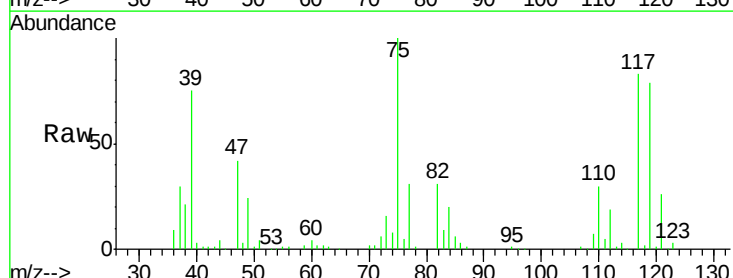
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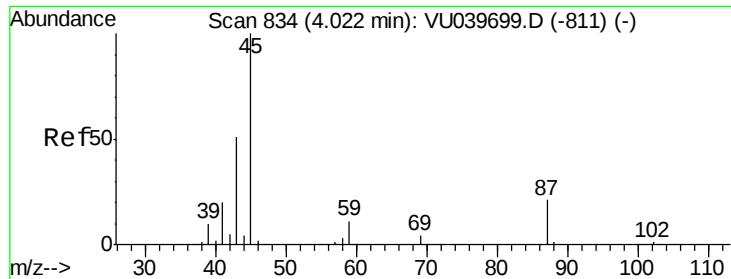
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#30
Carbon Tetrachloride
Concen: 9.307 ug/l
RT: 5.53 min Scan# 1304
Delta R.T. -0.00 min
Lab File: VU039715.D
Acq: 29 Jul 2020 20:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	75.2	112.8
121	31.8	25.4	38.2





#31

Isopropyl Ether

Concen: 9.256 ug/l

RT: 4.02 min Scan# 834

Delta R.T. -0.00 min

Lab File: VU039715.D

Acq: 29 Jul 2020 20:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 250017

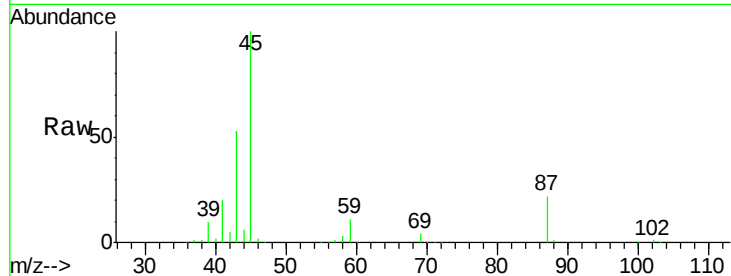
Ion Ratio Lower Upper

45 100

43 52.9 26.5 79.4

Manual Integrations

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Abundance Ion 45.00 (44.70 to 45.70): VU039715.D (-679) (-)

Ion 43.00 (42.70 to 43.70): VU039715.D (-679) (-)

4.02

100000

80000

60000

40000

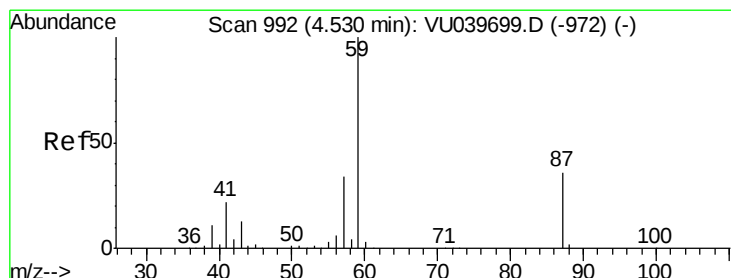
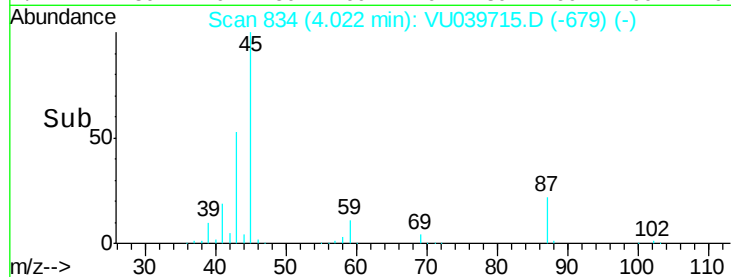
20000

0

Time--> 3.90 4.00 4.10

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#32

Ethyl-t-butyl ether

Concen: 9.412 ug/l

RT: 4.53 min Scan# 992

Delta R.T. -0.00 min

Lab File: VU039715.D

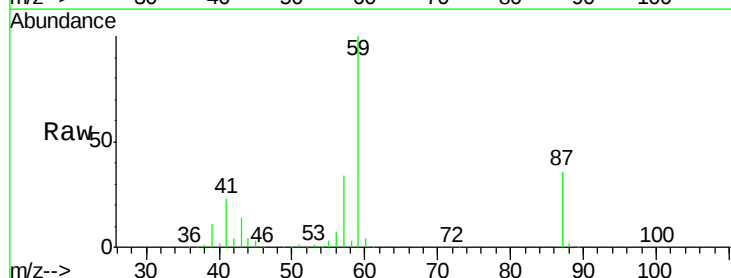
Acq: 29 Jul 2020 20:54

Tgt Ion: 59 Resp: 216355

Ion Ratio Lower Upper

59 100

87 37.0 29.4 44.0



Abundance Ion 59.00 (58.70 to 59.70): VU039715.D (-837) (-)

Ion 87.00 (86.70 to 87.70): VU039715.D (-837) (-)

4.53

100000

80000

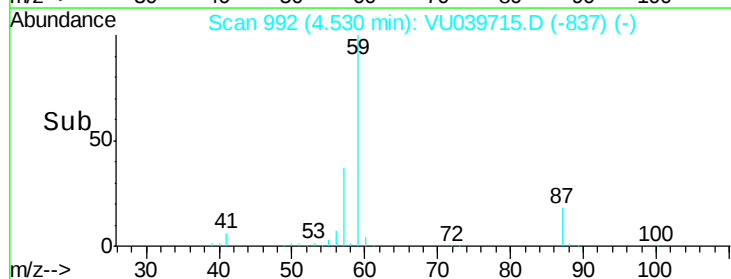
60000

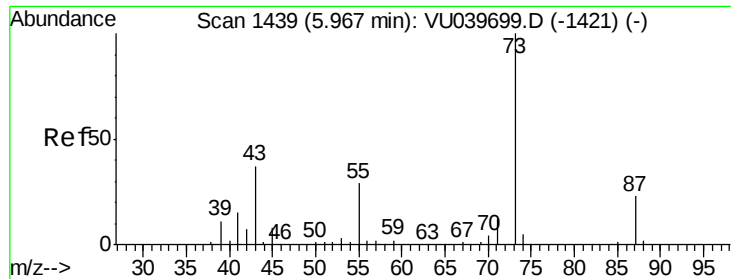
40000

20000

0

Time--> 4.45 4.50 4.55 4.60



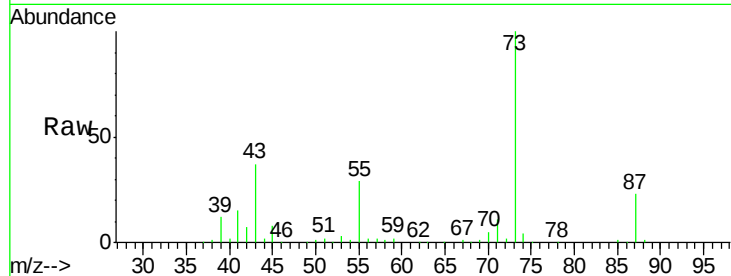


#33
Tert-Butyl methyl ether
Concen: 9.392 ug/l
RT: 5.97 min Scan# 1439
Delta R.T. -0.00 min
Lab File: VU039715.D
Acq: 29 Jul 2020 20:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
73	100		
87	23.3	18.7	28.1
71	11.1	9.1	13.7

Manual Integrations
APPROVED

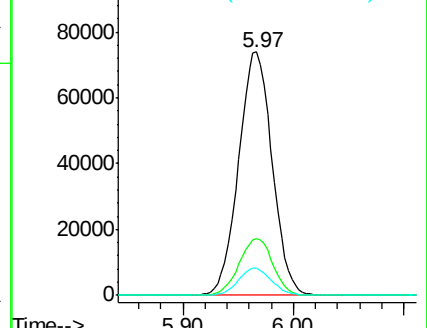


Abundance

Ion 73.00 (72.70 to 73.70): VU039715.D (-1284) (-)

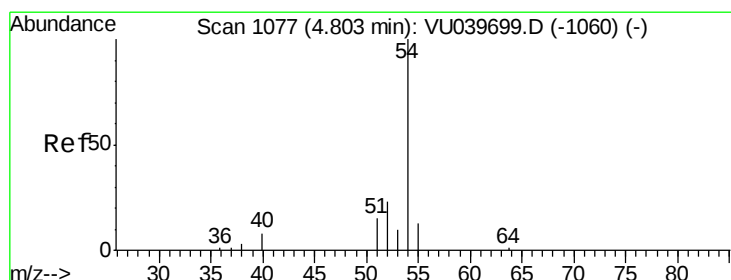
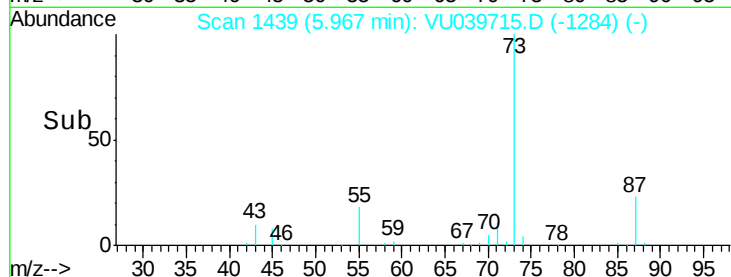
Ion 87.00 (86.70 to 87.70): VU039715.D (-1284) (-)

Ion 71.00 (70.70 to 71.70): VU039715.D (-1284) (-)



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#34
Propionitrile
Concen: 48.815 ug/l
RT: 4.80 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU039715.D
Acq: 29 Jul 2020 20:54

Tgt Ion	Ratio	Lower	Upper
54	100		
52	20.6	16.9	25.3
55	15.8	12.9	19.3
40	7.4	6.2	9.2

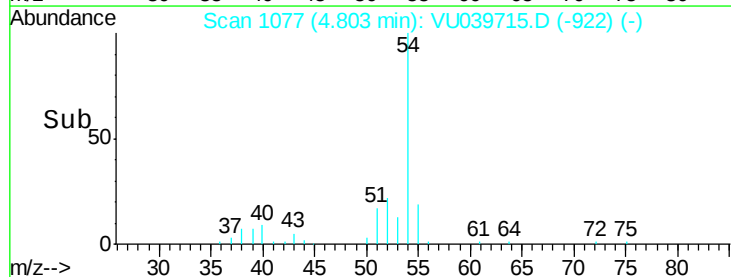
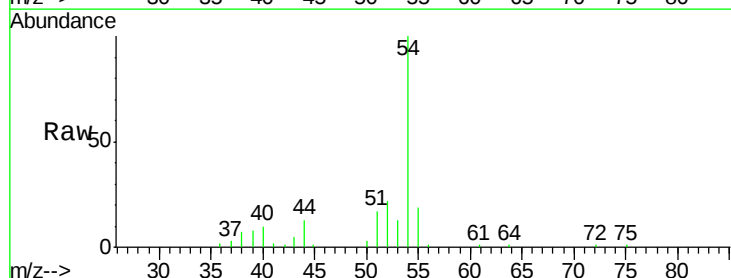
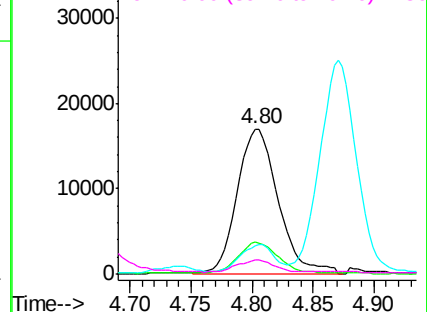
Abundance

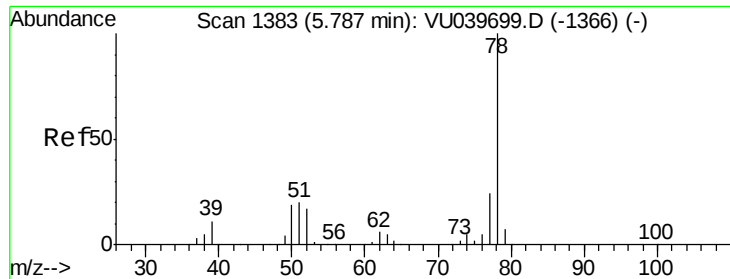
Ion 54.00 (53.70 to 54.70): VU039715.D (-922) (-)

Ion 52.00 (51.70 to 52.70): VU039715.D (-922) (-)

Ion 55.00 (54.70 to 55.70): VU039715.D (-922) (-)

Ion 40.00 (39.70 to 40.70): VU039715.D (-922) (-)



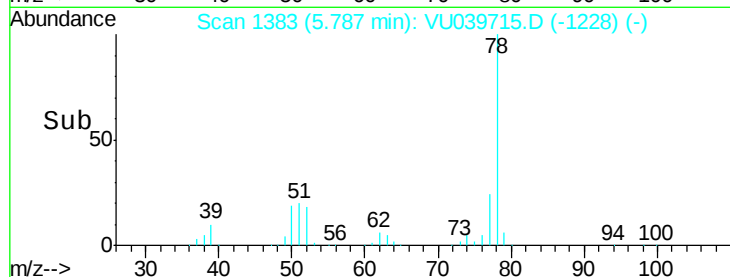
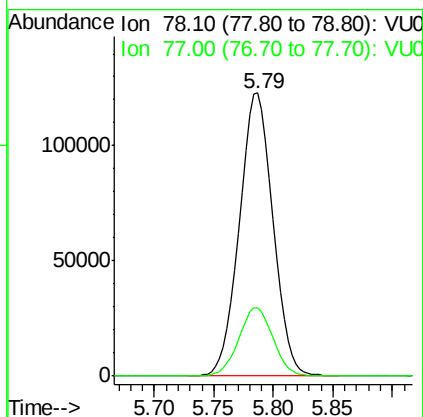
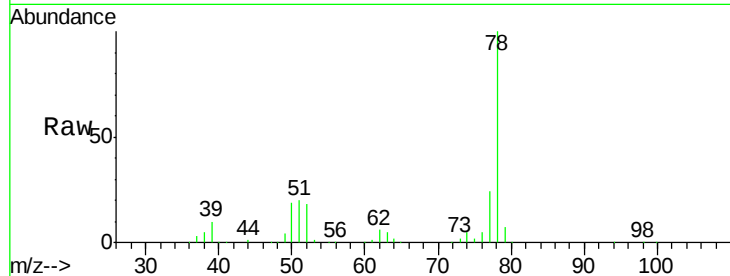


#35
Benzene
Concen: 9.025 ug/l
RT: 5.79 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VU039715.D
Acq: 29 Jul 2020 20:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

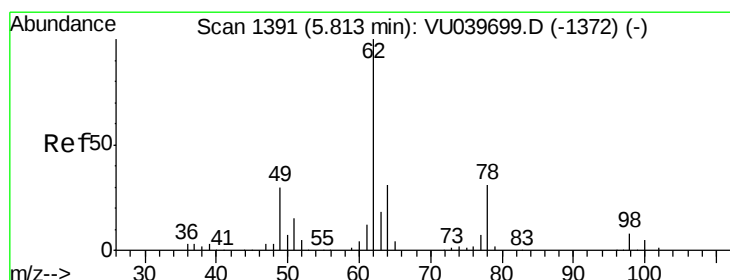
Tot Ion	78	Resp	241099
Ion Ratio	Lower	Upper	
78	100		
77	24.2	19.2	28.8

Manual Integrations
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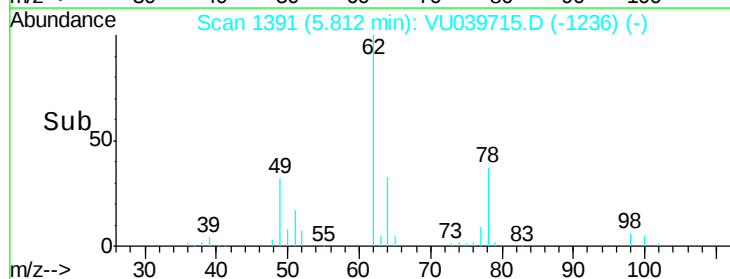
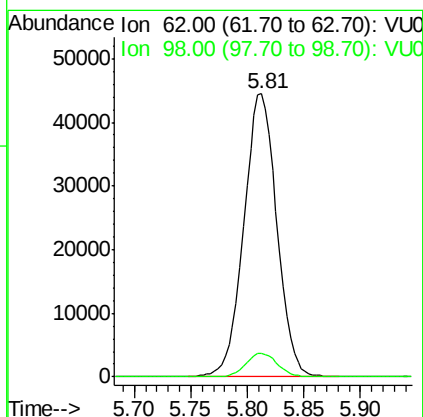
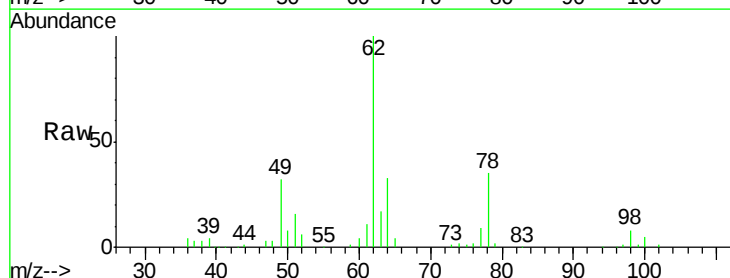
MMDadoda

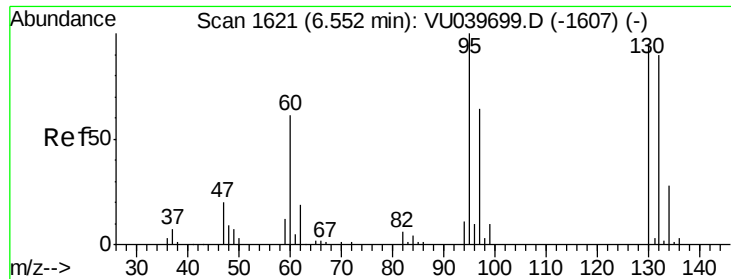
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#36
1,2-Dichloroethane
Concen: 9.025 ug/l
RT: 5.81 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VU039715.D
Acq: 29 Jul 2020 20:54

Tgt Ion	62	Resp	90375
Ion Ratio	Lower	Upper	
62	100		
98	7.9	6.2	9.2



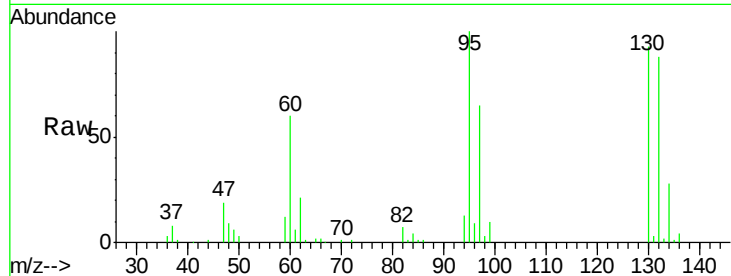


#37
 Trichloroethene
 Concen: 9.197 ug/l
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU039715.D
 Acq: 29 Jul 2020 20:54

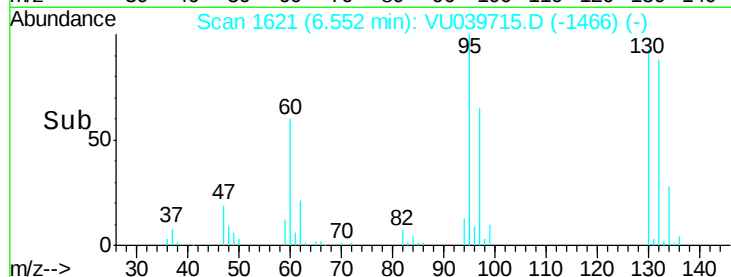
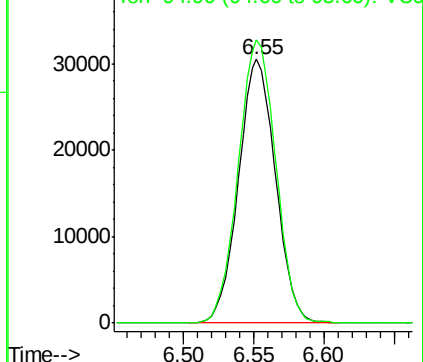
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:130 Resp: 56214
 Ion Ratio Lower Upper
 130 100
 95 107.3 84.3 126.5

Manual Integrations
 APPROVED

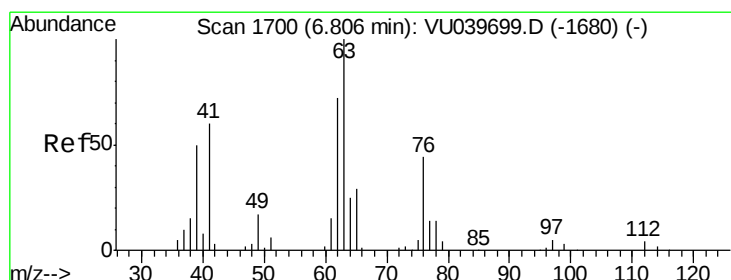


Abundance Ion 129.90 (129.60 to 130.60): VU039699.D (-1607) (-)
 Ion 94.90 (94.60 to 95.60): VU039699.D (-1607) (-)



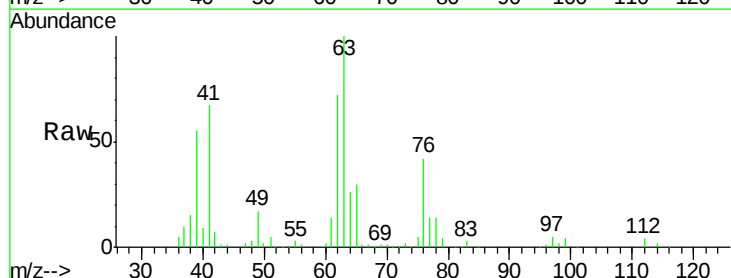
MMDadoda

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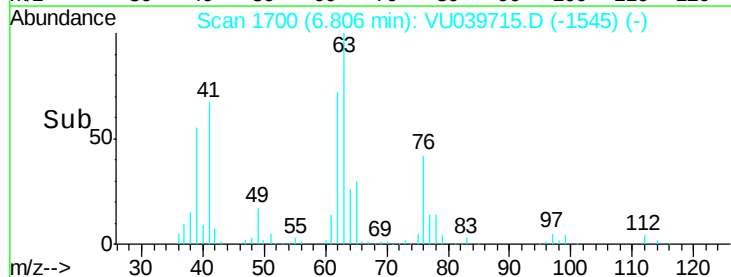
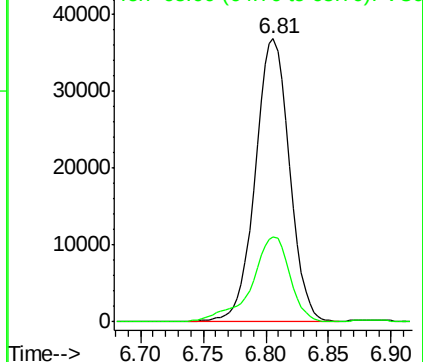


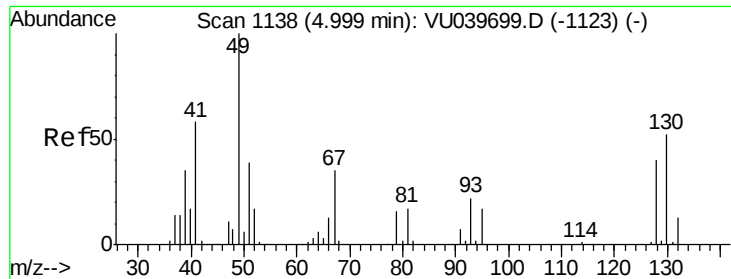
#38
 1,2-Dichloropropane
 Concen: 9.533 ug/l
 RT: 6.81 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VU039715.D
 Acq: 29 Jul 2020 20:54

Tgt Ion: 63 Resp: 70187
 Ion Ratio Lower Upper
 63 100
 65 30.2 23.8 35.6



Abundance Ion 63.00 (62.70 to 63.70): VU039699.D (-1680) (-)
 Ion 65.00 (64.70 to 65.70): VU039699.D (-1680) (-)



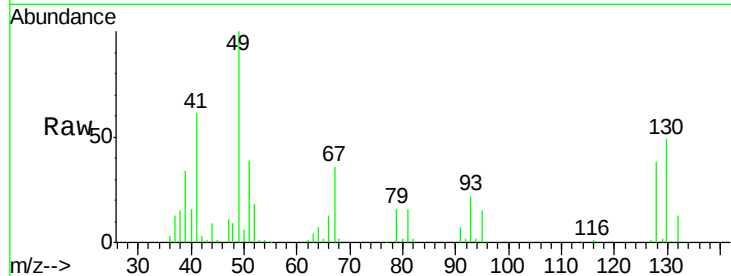


#39
Methacrylonitrile
Concen: 8.766 ug/l
RT: 5.00 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VU039715.D
Acq: 29 Jul 2020 20:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion:	41	Resp:	37544
Ion	Ratio	Lower	Upper
41	100		
67	59.3	48.3	72.5
39	56.4	47.6	71.4
52	30.2	23.9	35.9

Manual Integrations
APPROVED



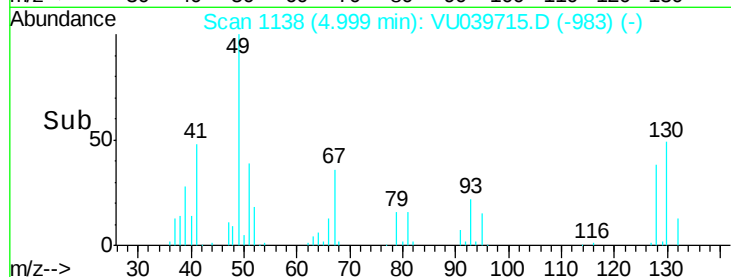
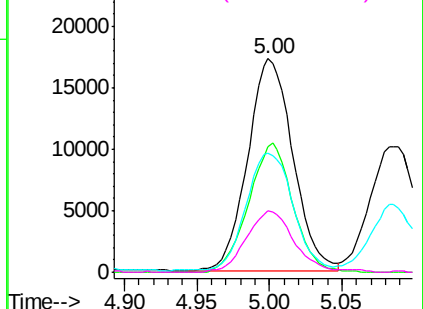
Abundance

Ion 41.00 (40.70 to 41.70): VU039715.D (-983) (-)

Ion 67.00 (66.70 to 67.70): VU039715.D (-983) (-)

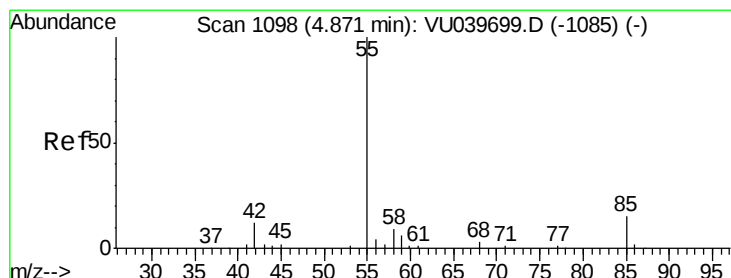
Ion 39.00 (38.70 to 39.70): VU039715.D (-983) (-)

Ion 52.00 (51.70 to 52.70): VU039715.D (-983) (-)



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#40
Methyl acrylate
Concen: 9.251 ug/l
RT: 4.87 min Scan# 1098
Delta R.T. -0.00 min
Lab File: VU039715.D
Acq: 29 Jul 2020 20:54

Tgt Ion:	55	Resp:	51094
Ion	Ratio	Lower	Upper
55	100		
85	14.7	11.4	17.0
58	8.9	7.4	11.0
42	12.9	10.3	15.5

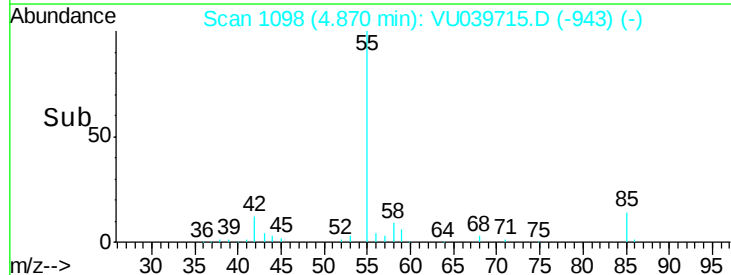
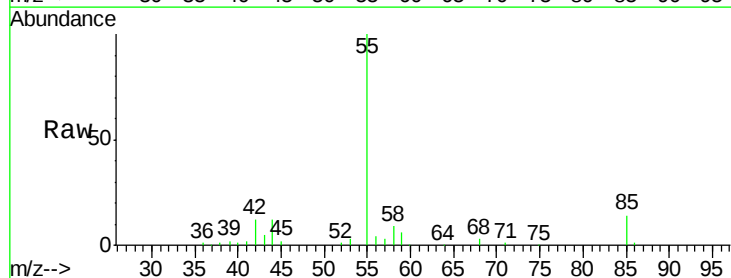
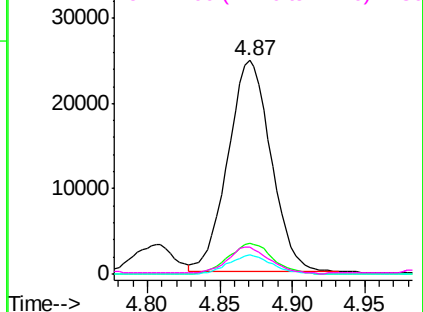
Abundance

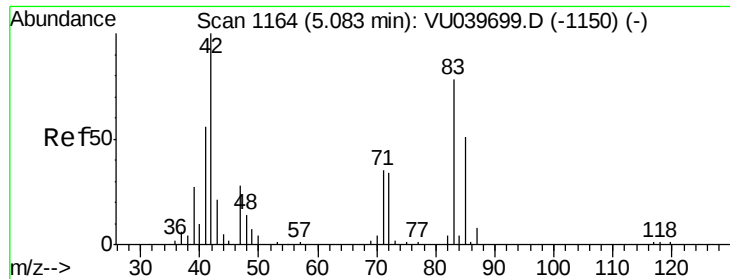
Ion 55.00 (54.70 to 55.70): VU039715.D (-943) (-)

Ion 85.00 (84.70 to 85.70): VU039715.D (-943) (-)

Ion 58.00 (57.70 to 58.70): VU039715.D (-943) (-)

Ion 42.00 (41.70 to 42.70): VU039715.D (-943) (-)



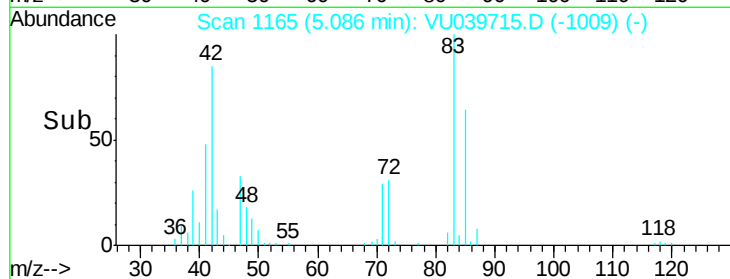
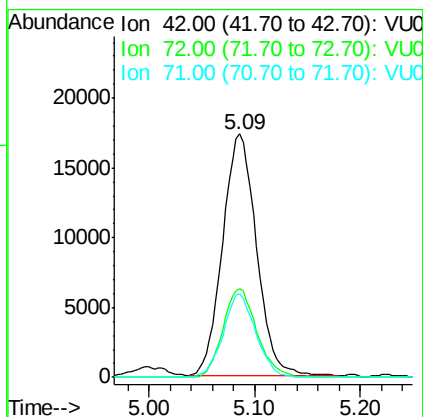
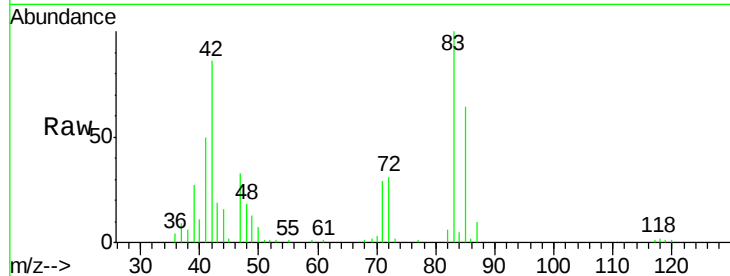


#41
Tetrahydrofuran
Concen: 17.871 ug/l
RT: 5.09 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU039715.D
Acq: 29 Jul 2020 20:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

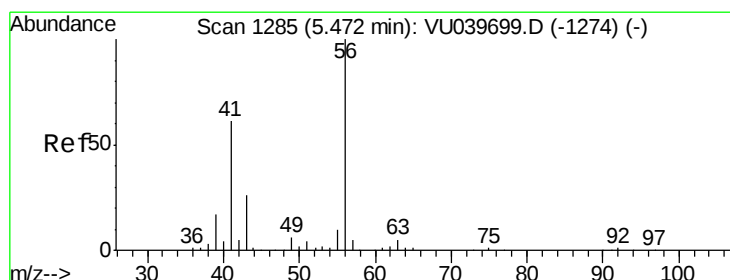
Tot Ion:	42	Resp:	38511
Ion	Ratio	Lower	Upper
42	100		
72	36.5	31.0	46.6
71	33.2	28.2	42.4

Manual Integrations
APPROVED



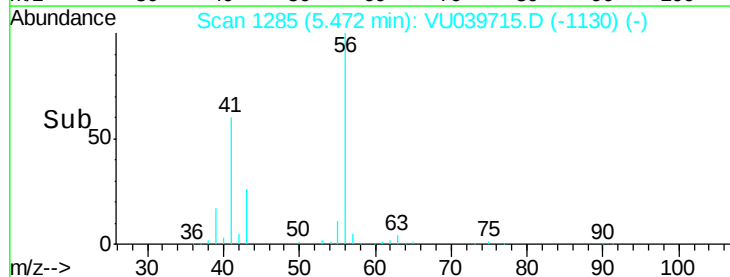
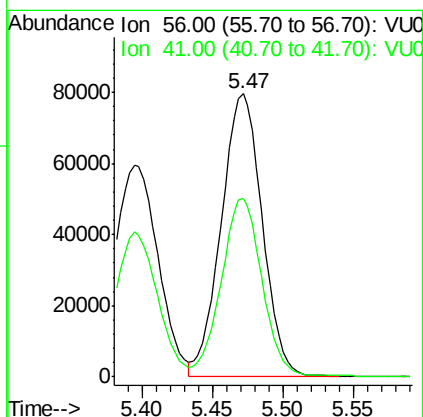
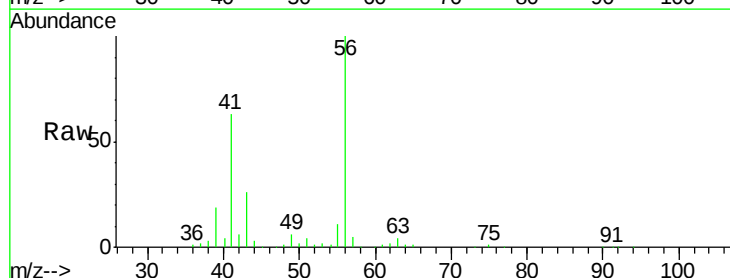
MMDadoda

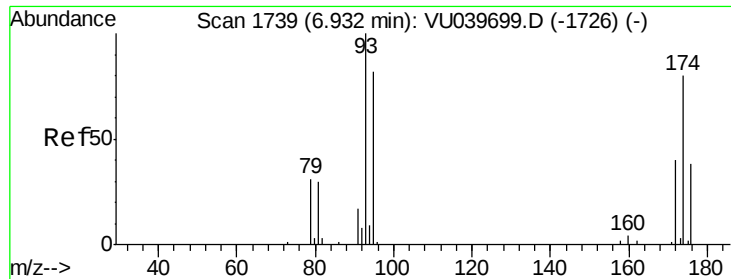
7/31/2020 3:42:19 PM



#42
1-Chlorobutane
Concen: 9.470 ug/l
RT: 5.47 min Scan# 1285
Delta R.T. -0.00 min
Lab File: VU039715.D
Acq: 29 Jul 2020 20:54

Tgt Ion:	56	Resp:	160508
Ion	Ratio	Lower	Upper
56	100		
41	61.7	30.5	91.5





#43

Dibromomethane

Concen: 9.440 ug/l

RT: 6.93 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VU039715.D

Acq: 29 Jul 2020 20:54

Instrument :

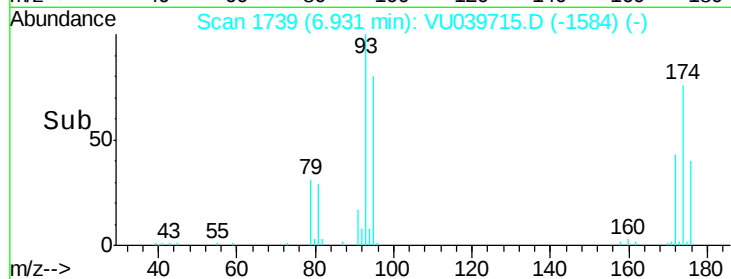
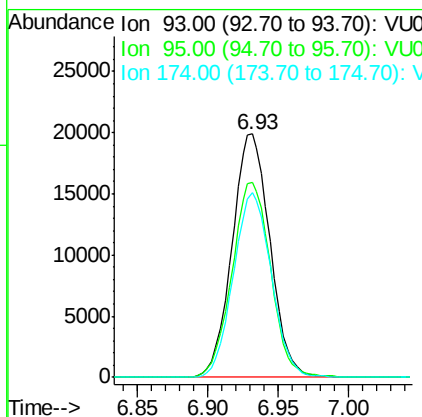
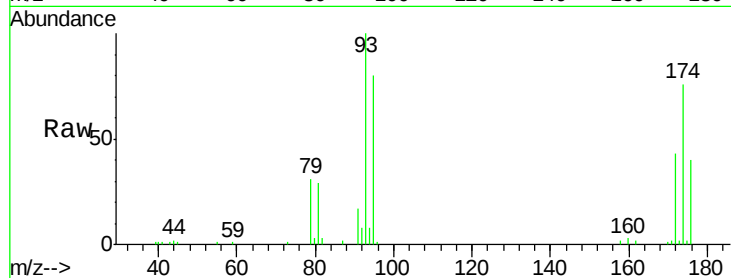
MSVOA_U

ClientSampleId :

VSTDCCC010EC

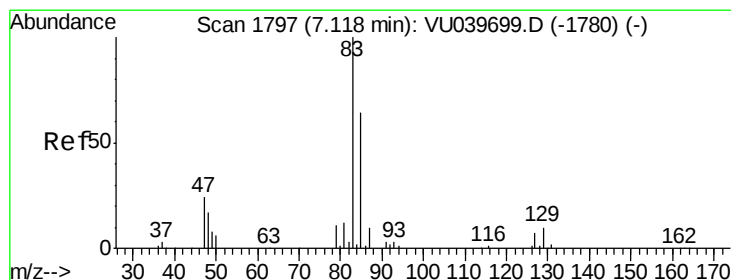
Tot Ion:	93	Resp:	37400
Ion	Ratio	Lower	Upper
93	100		
95	81.5	66.6	99.8
174	76.0	62.7	94.1

Manual Integrations
APPROVED



MMDadoda

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#44

Bromodichloromethane

Concen: 9.431 ug/l

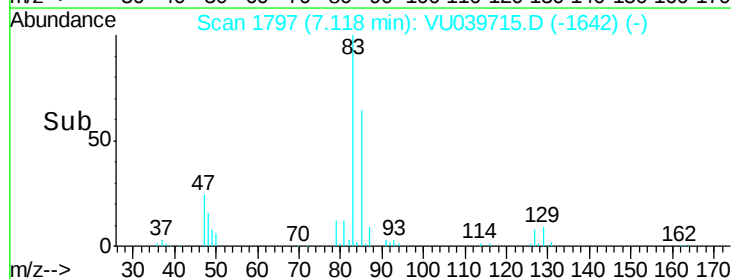
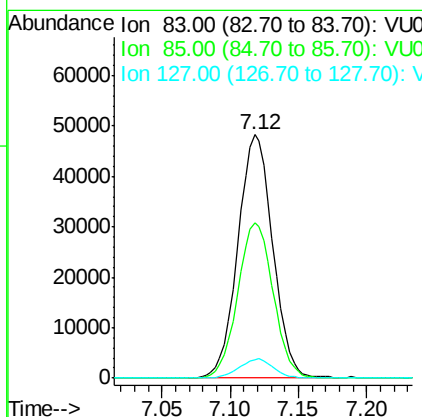
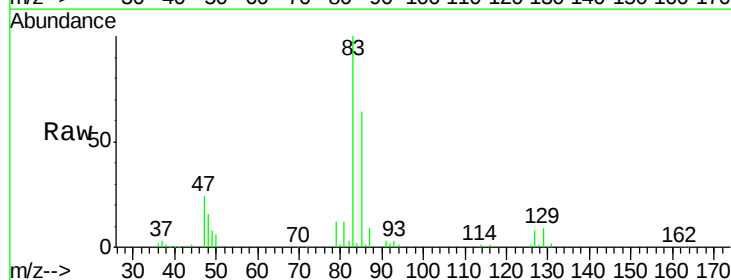
RT: 7.12 min Scan# 1797

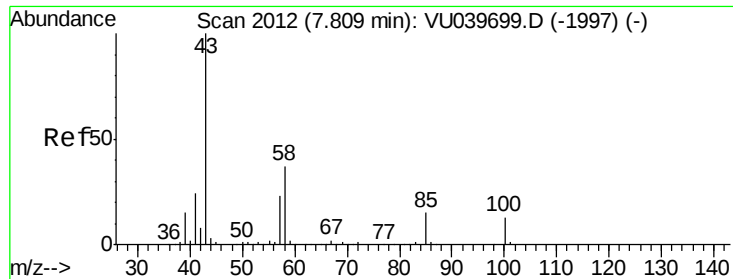
Delta R.T. -0.00 min

Lab File: VU039715.D

Acq: 29 Jul 2020 20:54

Tgt Ion:	83	Resp:	85675
Ion	Ratio	Lower	Upper
83	100		
85	64.0	50.8	76.2
127	7.7	5.8	8.6



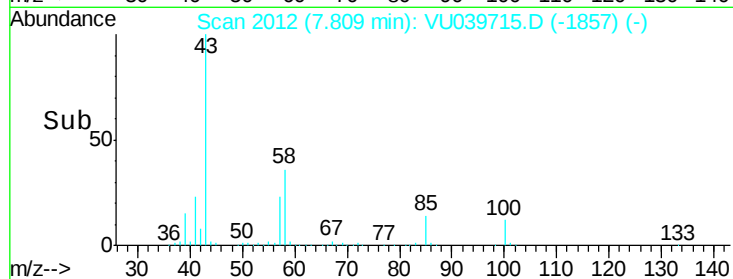
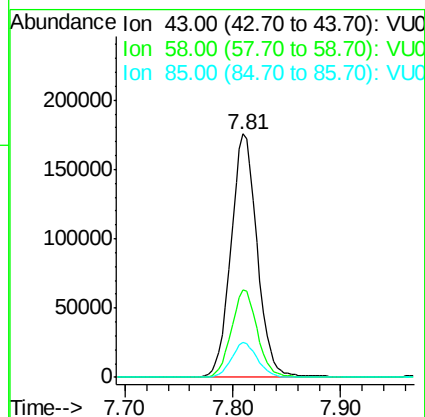
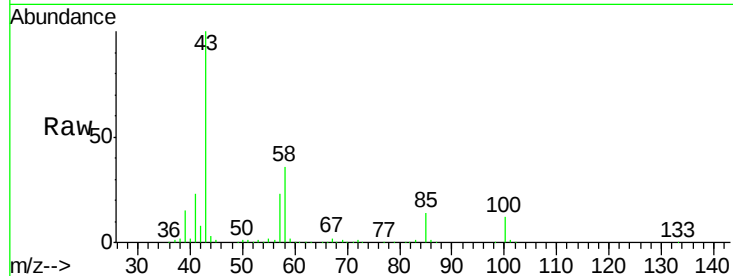


#45
4-Methyl-2-Pentanone
Concen: 49.602 ug/l
RT: 7.81 min Scan# 2012
Delta R.T. -0.00 min
Lab File: VU039715.D
Acq: 29 Jul 2020 20:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

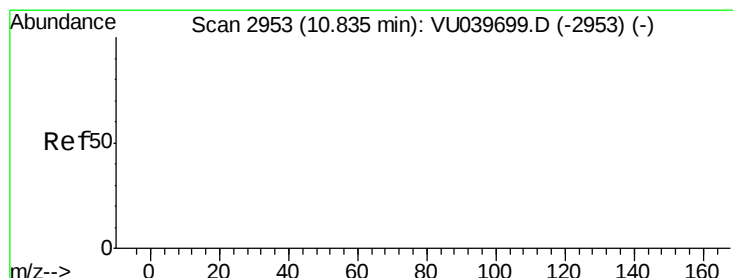
Tot Ion	Ratio	Lower	Upper
43	100		
58	35.8	18.4	55.0
85	14.3	11.8	17.6

Manual Integrations
APPROVED



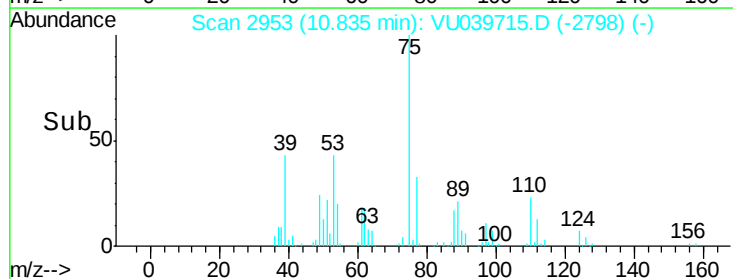
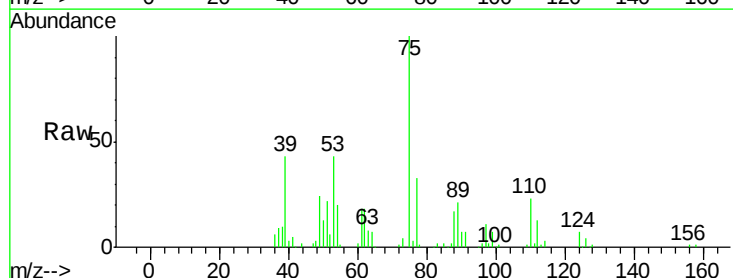
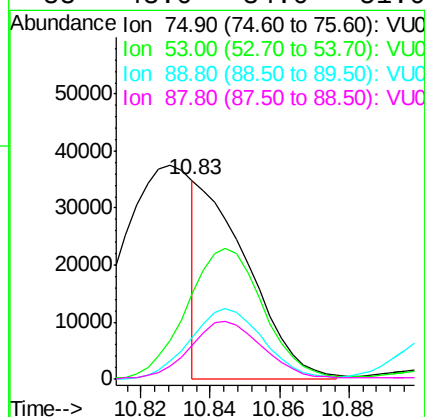
MMDadoda

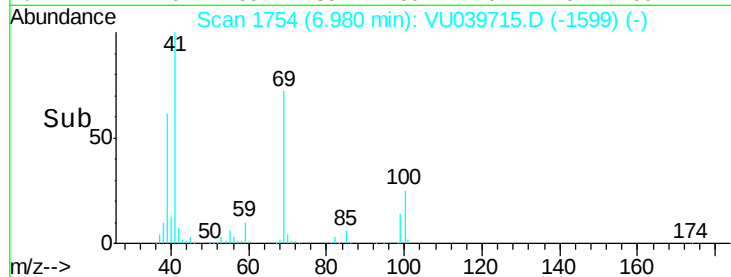
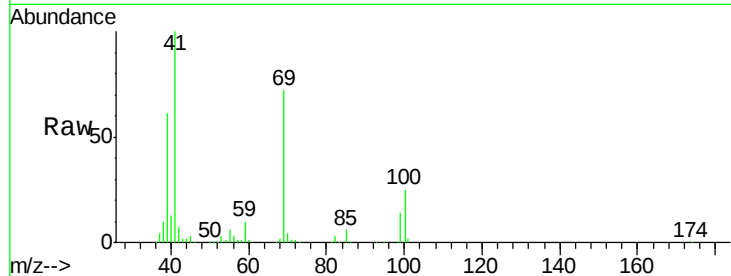
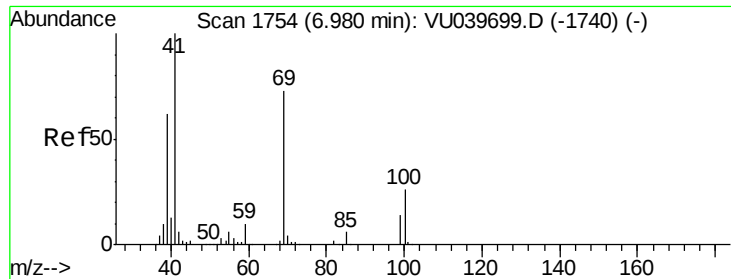
7/31/2020 3:42:19 PM



#46
t-1,4-Dichloro-2-butene
Concen: 19.549 ug/l m
RT: 10.83 min Scan# 2953
Delta R.T. -0.00 min
Lab File: VU039715.D
Acq: 29 Jul 2020 20:54

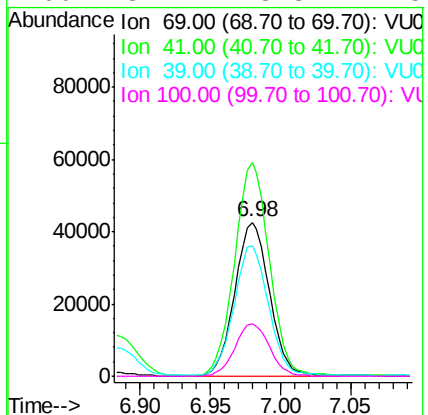
Tgt Ion	Ratio	Lower	Upper
75	100		
53	101.4	78.6	118.0
89	52.4	40.3	60.5
88	43.0	34.0	51.0





#47
Methyl methacrylate
Concen: 19.986 ug/l
RT: 6.98 min Scan# 1754
Delta R.T. -0.00 min
Lab File: VU039715.D
Acq: 29 Jul 2020 20:54

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	138.0	0.0	271.6		
39	83.2	67.4	101.2		
100	34.1	28.3	42.5		

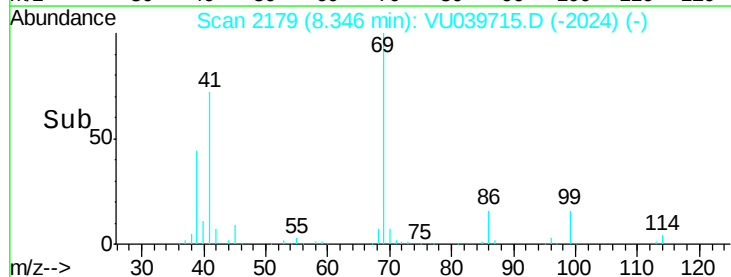
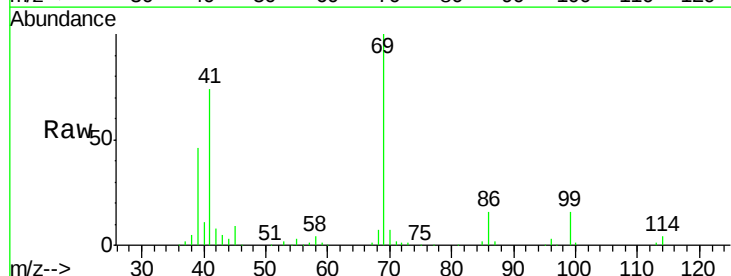
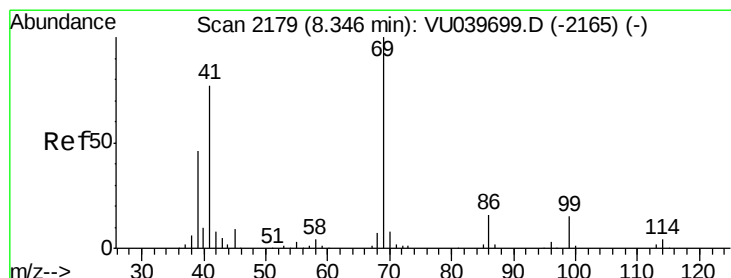


Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Manual Integrations
APPROVED

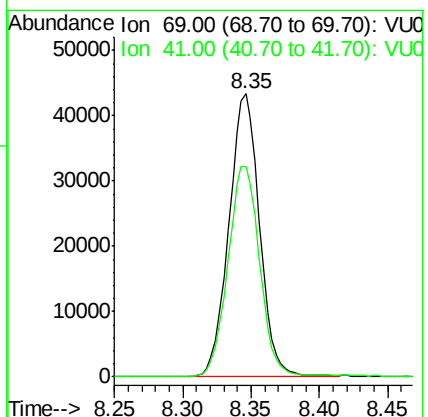
MMDadoda

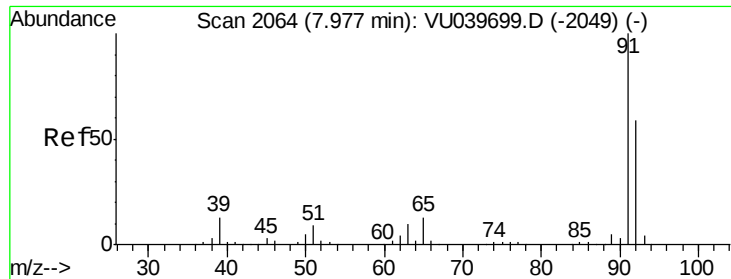
7/31/2020 3:42:19 PM



#48
Ethyl methacrylate
Concen: 9.944 ug/l
RT: 8.35 min Scan# 2179
Delta R.T. -0.00 min
Lab File: VU039715.D
Acq: 29 Jul 2020 20:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	77.3	39.1	117.5		





#49

Toluene

Concen: 9.633 ug/l

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039715.D

Acq: 29 Jul 2020 20:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

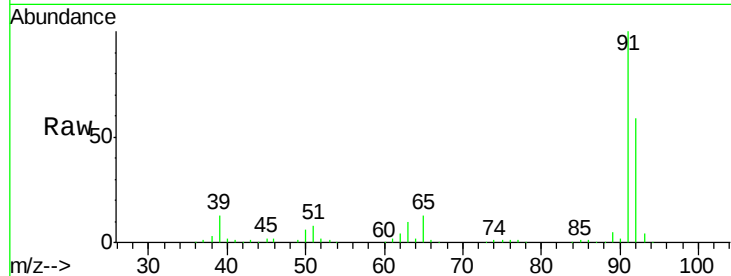
Tot Ion: 92 Resp: 153176

Ion Ratio Lower Upper

92 100

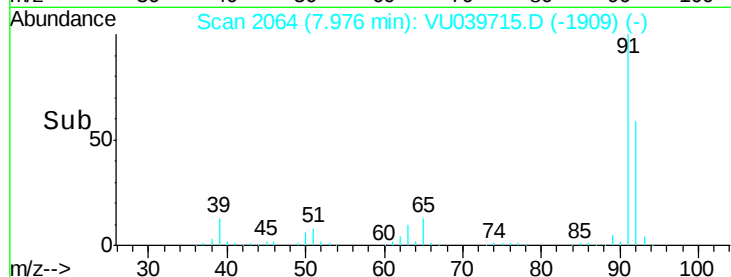
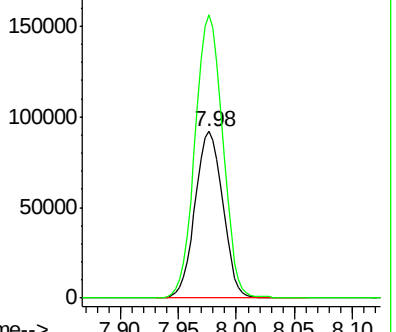
91 169.6 136.1 204.1

Manual Integrations
APPROVED



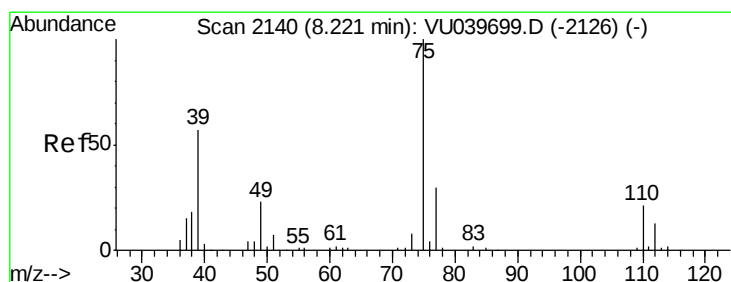
Abundance Ion 92.00 (91.70 to 92.70): VU039715.D (-1909) (-)

Ion 91.00 (90.70 to 91.70): VU039715.D (-1909) (-)



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#50

t-1,3-Dichloropropene

Concen: 9.938 ug/l

RT: 8.22 min Scan# 2140

Delta R.T. -0.00 min

Lab File: VU039715.D

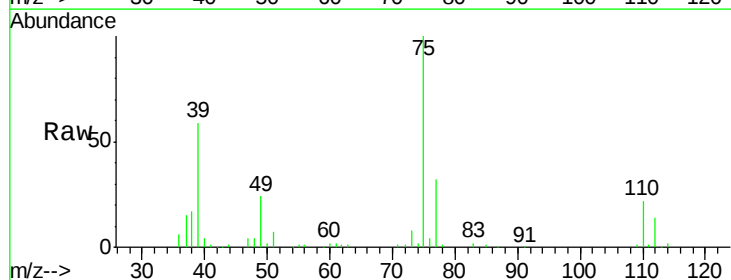
Acq: 29 Jul 2020 20:54

Tgt Ion: 75 Resp: 81309

Ion Ratio Lower Upper

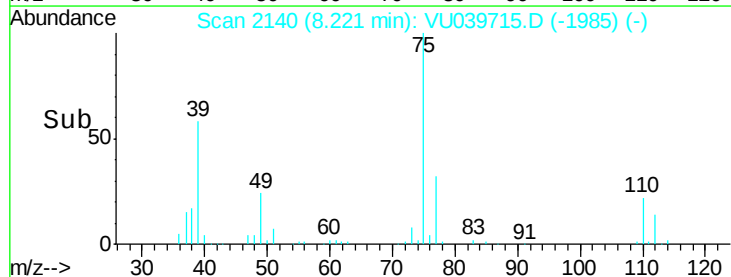
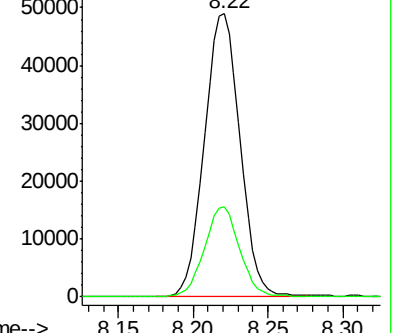
75 100

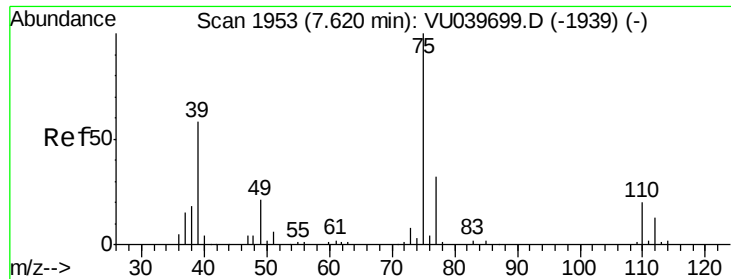
77 31.7 24.3 36.5



Abundance Ion 75.00 (74.70 to 75.70): VU039715.D (-1985) (-)

Ion 77.00 (76.70 to 77.70): VU039715.D (-1985) (-)



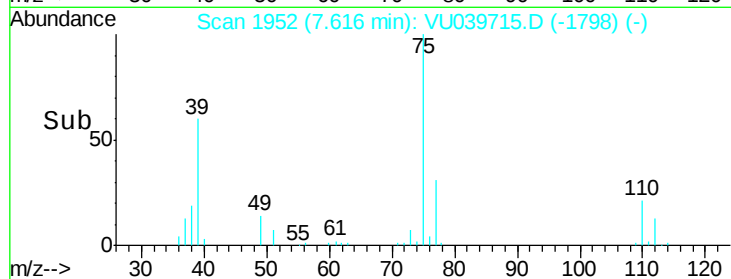
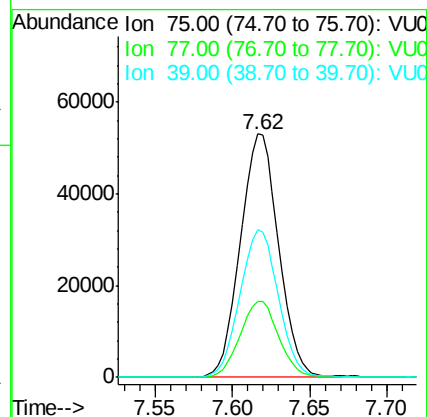
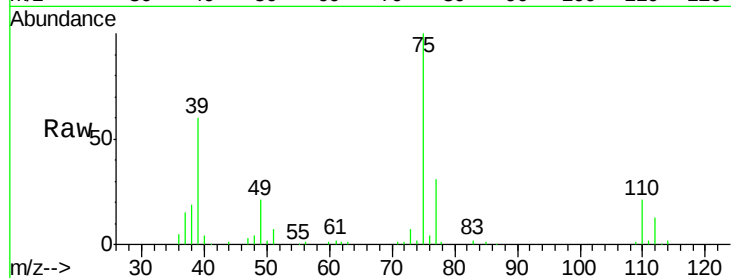


#51
 cis-1,3-Dichloropropene
 Concen: 9.473 ug/l
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU039715.D
 Acq: 29 Jul 2020 20:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

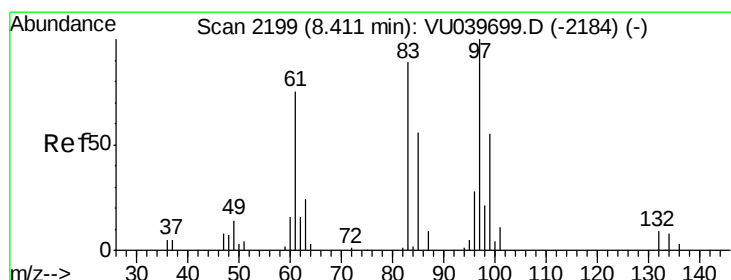
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.7	38.5
39	60.2	46.1	69.1

Manual Integrations
 APPROVED



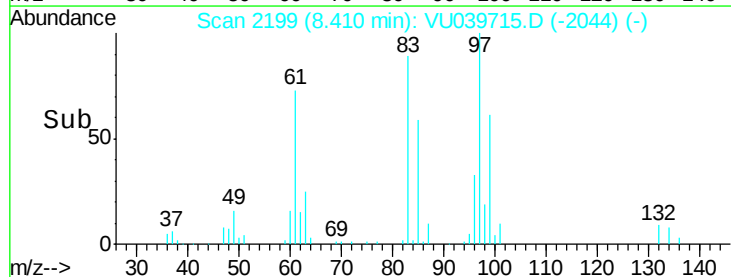
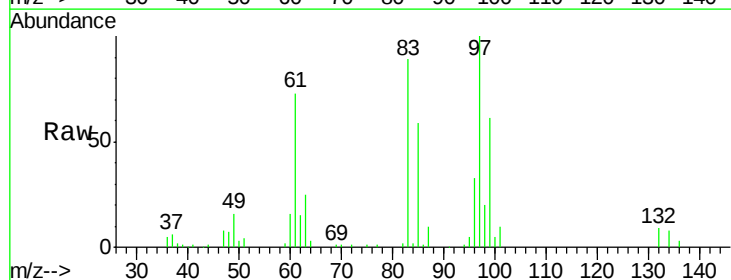
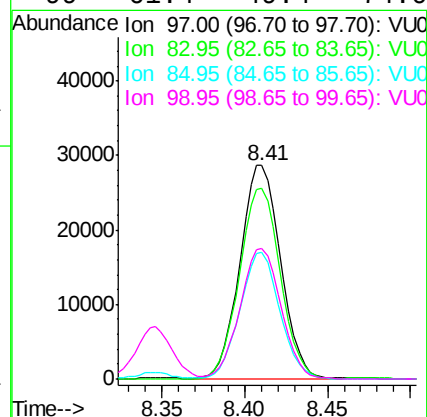
MMDadoda

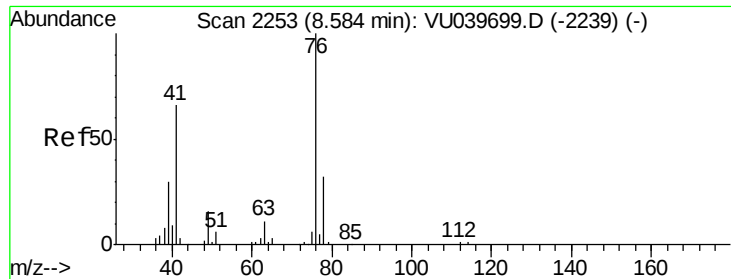
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#52
 1,1,2-Trichloroethane
 Concen: 9.511 ug/l
 RT: 8.41 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: VU039715.D
 Acq: 29 Jul 2020 20:54

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.1	71.3	106.9
85	59.5	45.4	68.2
99	61.4	49.4	74.0



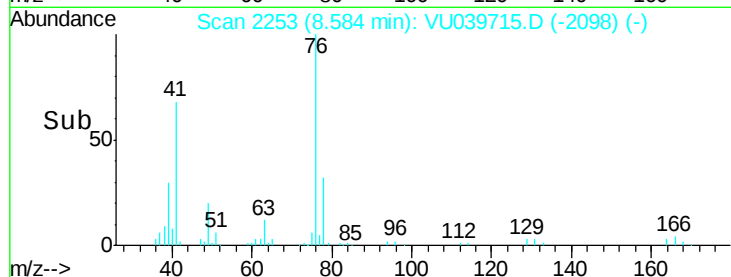
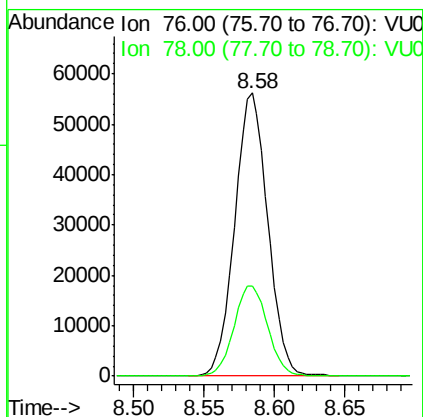
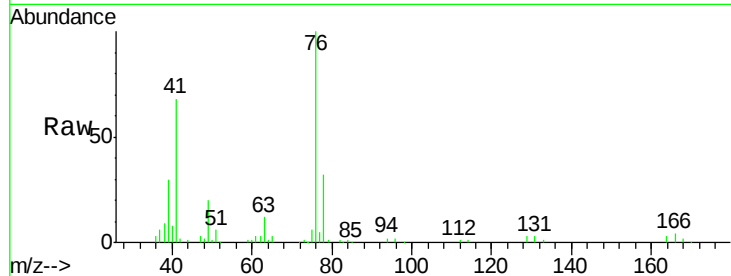


#53
 1,3-Dichloropropane
 Concen: 9.347 ug/l
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VU039715.D
 Acq: 29 Jul 2020 20:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

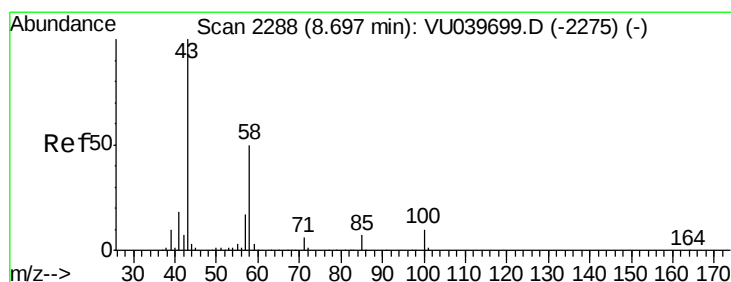
Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.4	38.2

Manual Integrations
 APPROVED



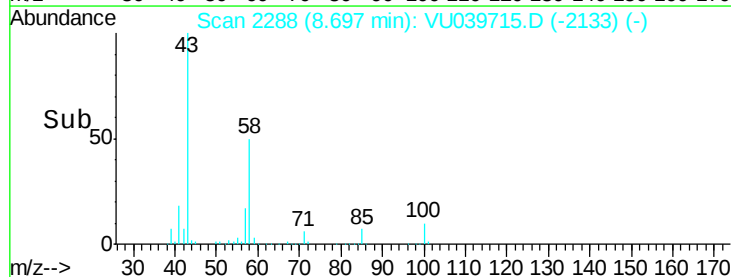
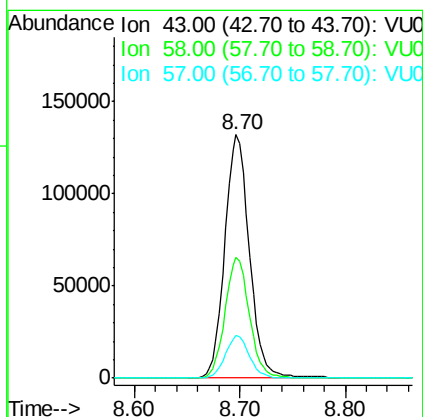
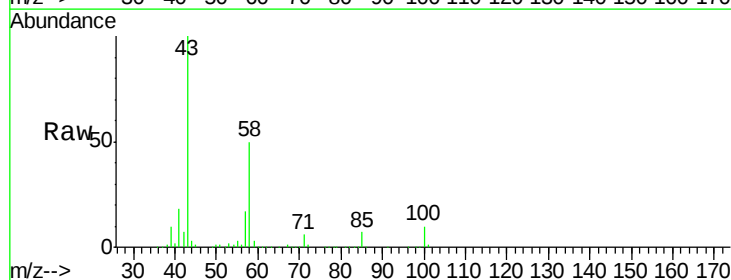
MMDadoda

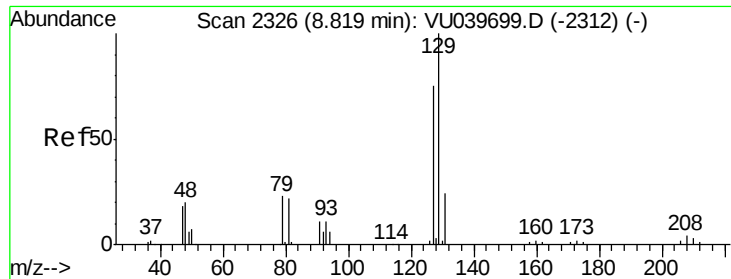
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#54
 2-Hexanone
 Concen: 49.695 ug/l
 RT: 8.70 min Scan# 2288
 Delta R.T. -0.00 min
 Lab File: VU039715.D
 Acq: 29 Jul 2020 20:54

Tgt Ion	Ratio	Lower	Upper
43	100		
58	49.1	29.9	69.9
57	17.1	0.0	37.2



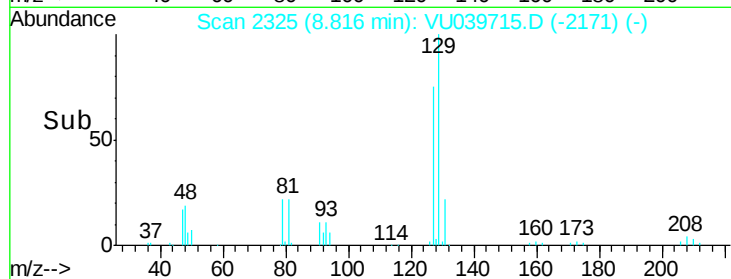
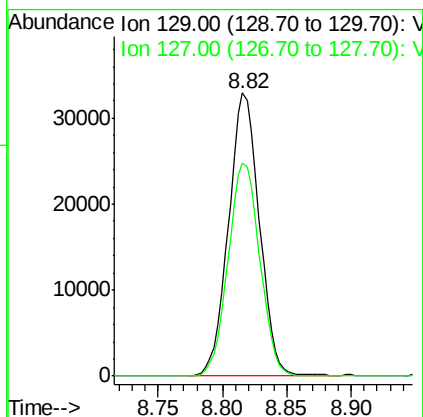
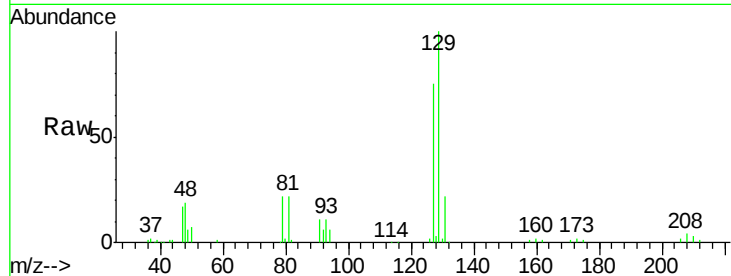


#55
Dibromochloromethane
Concen: 9.923 ug/l
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU039715.D
Acq: 29 Jul 2020 20:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

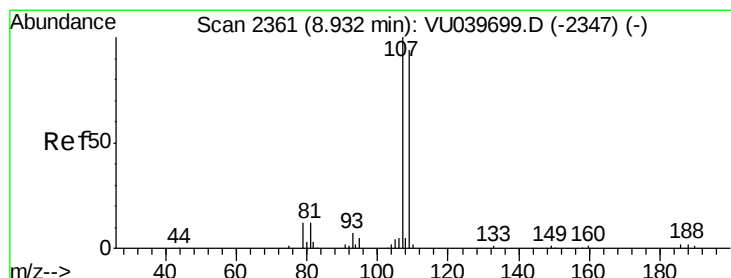
Tot Ion	Ion	Ratio	Lower	Upper
129	100			
127	76.9	62.4	93.6	

Manual Integrations
APPROVED



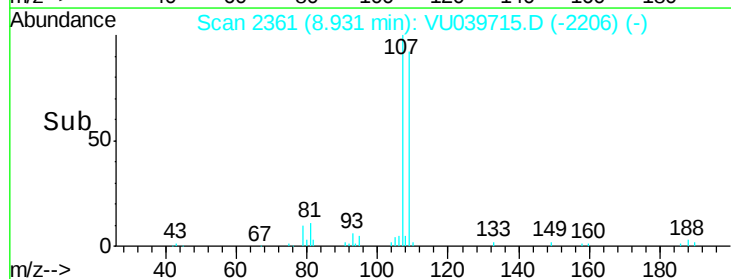
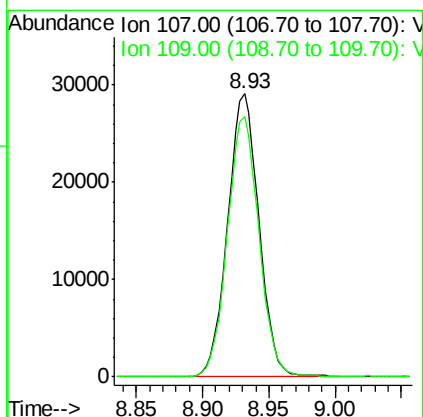
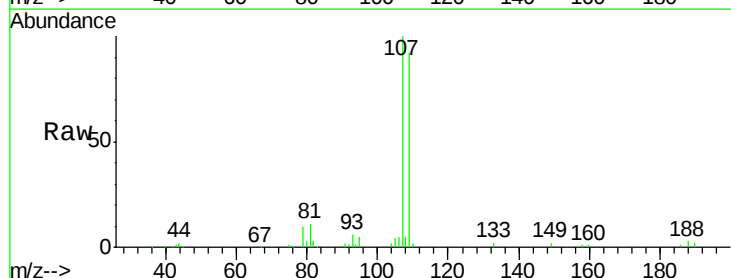
MMDadoda

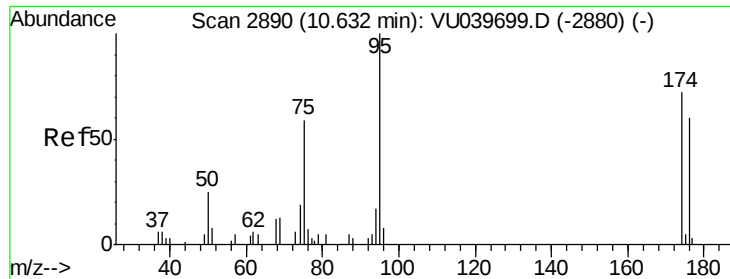
7/31/2020 3:42:19 PM



#56
1,2-Dibromoethane
Concen: 9.623 ug/l
RT: 8.93 min Scan# 2361
Delta R.T. -0.00 min
Lab File: VU039715.D
Acq: 29 Jul 2020 20:54

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
109	92.9	0.0	185.2	





#57

4-Bromofluorobenzene

Concen: 1.088 ug/l

RT: 10.63 min Scan# 2890

Delta R.T. -0.00 min

Lab File: VU039715.D

Acq: 29 Jul 2020 20:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 95 Resp: 9076

Ion Ratio Lower Upper

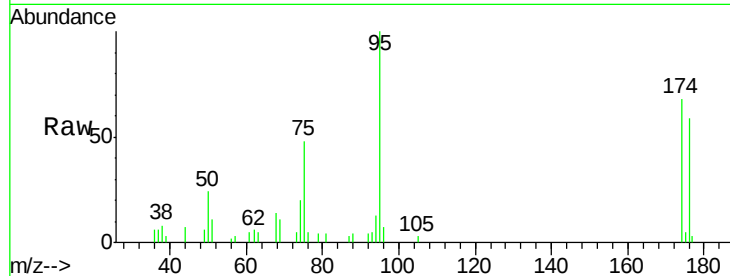
95 100

174 66.0 57.0 85.4

176 62.3 50.2 75.2

Manual Integrations

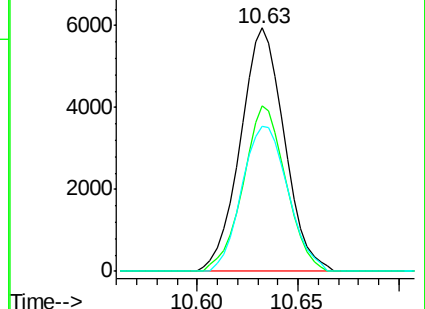
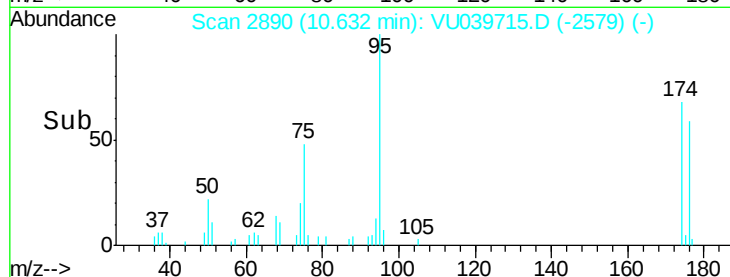
APPROVED



Abundance Ion 95.00 (94.70 to 95.70): VU039715.D (-2579) (-)

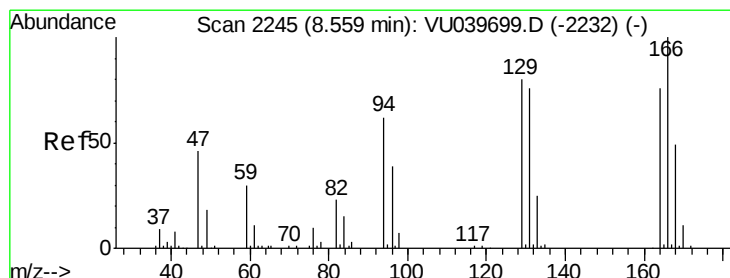
Ion 174.00 (173.70 to 174.70): VU039715.D (-2579) (-)

Ion 176.00 (175.70 to 176.70): VU039715.D (-2579) (-)



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#58

Tetrachloroethene

Concen: 9.305 ug/l

RT: 8.56 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VU039715.D

Acq: 29 Jul 2020 20:54

Tgt Ion: 164 Resp: 49785

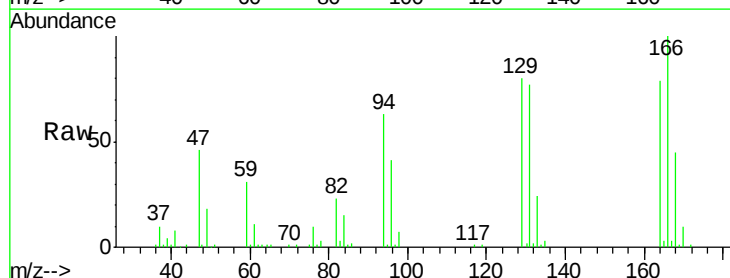
Ion Ratio Lower Upper

164 100

166 127.3 104.8 157.2

129 102.0 84.1 126.1

131 98.3 80.1 120.1

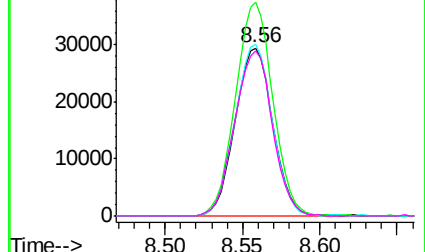
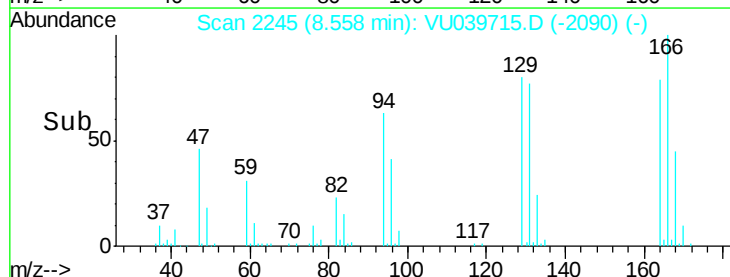


Abundance Ion 163.85 (163.55 to 164.55): VU039715.D (-2090) (-)

Ion 165.80 (165.50 to 166.50): VU039715.D (-2090) (-)

Ion 128.90 (128.60 to 129.60): VU039715.D (-2090) (-)

Ion 130.90 (130.60 to 131.60): VU039715.D (-2090) (-)





#59

Chlorobenzene

Concen: 9.582 ug/l

RT: 9.45 min Scan# 2522

Delta R.T. -0.00 min

Lab File: VU039715.D

Acq: 29 Jul 2020 20:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

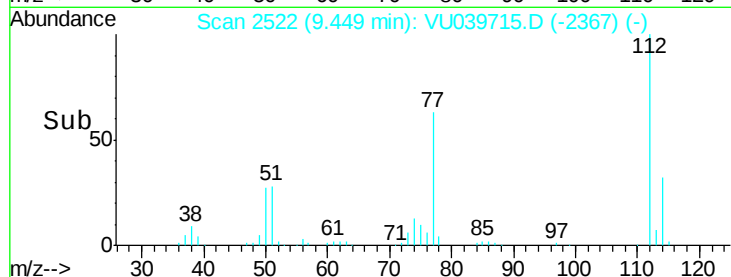
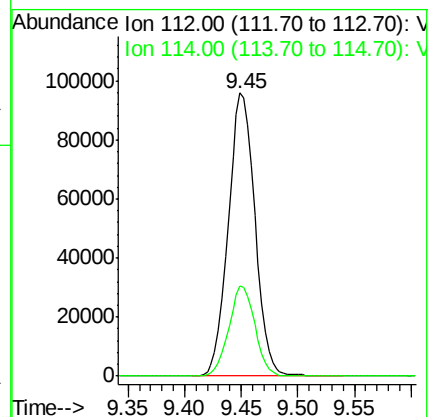
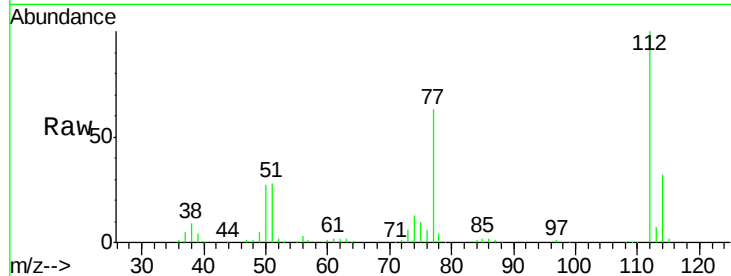
Tot Ion:112 Resp: 157554

Ion Ratio Lower Upper

112 100

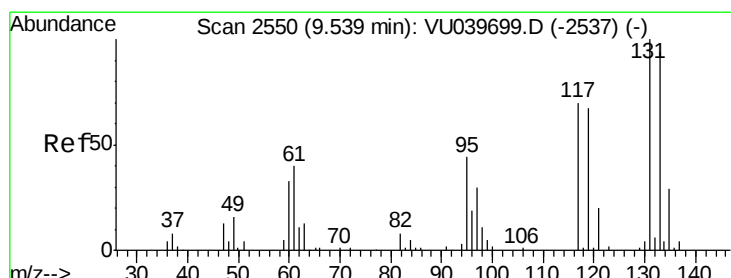
114 31.8 25.8 38.6

Manual Integrations
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#60

1,1,1,2-Tetrachloroethane

Concen: 9.660 ug/l

RT: 9.54 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU039715.D

Acq: 29 Jul 2020 20:54

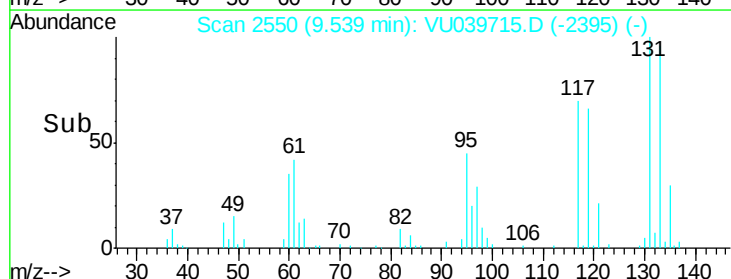
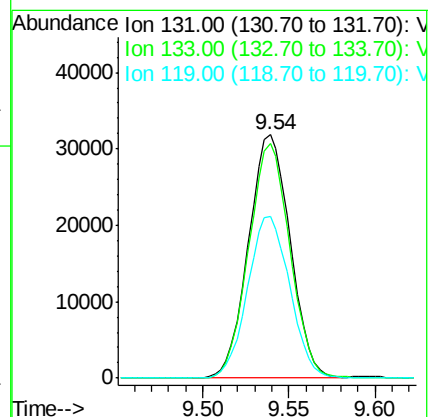
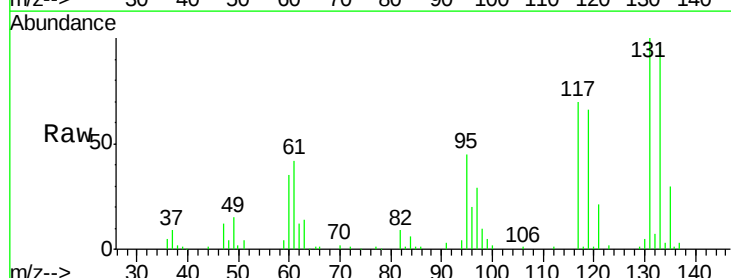
Tgt Ion:131 Resp: 53558

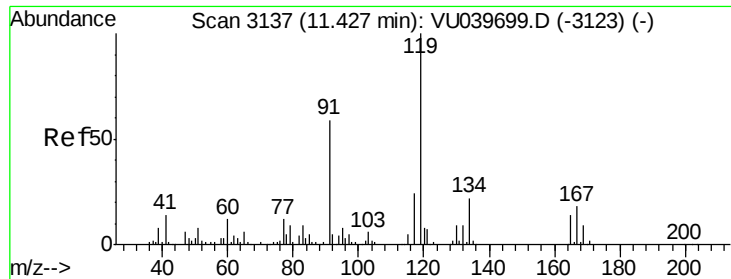
Ion Ratio Lower Upper

131 100

133 95.3 75.8 113.8

119 67.2 54.6 81.8



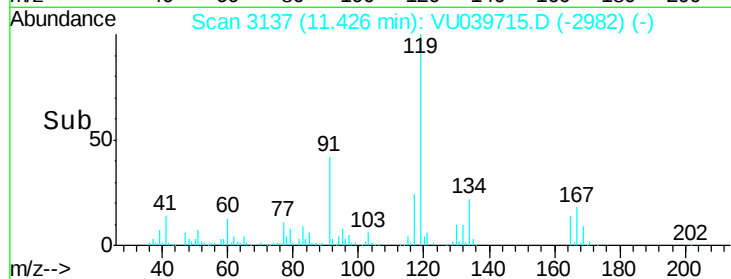
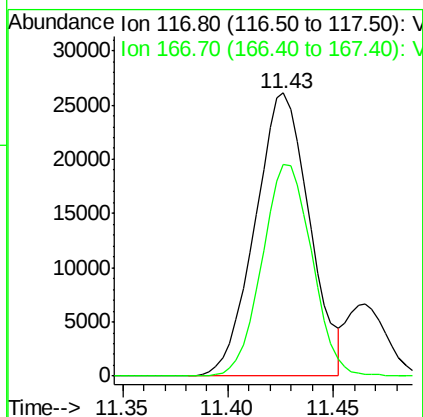
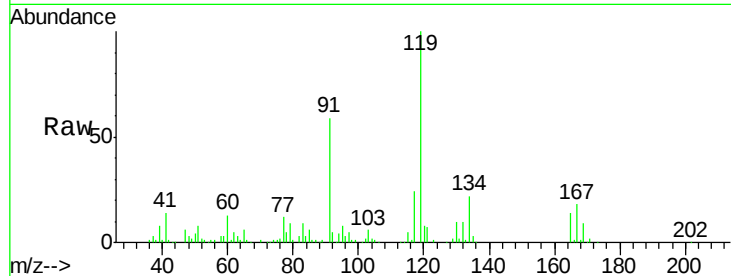


#61
 Pentachloroethane
 Concen: 9.601 ug/l
 RT: 11.43 min Scan# 3137
 Delta R.T. -0.00 min
 Lab File: VU039715.D
 Acq: 29 Jul 2020 20:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

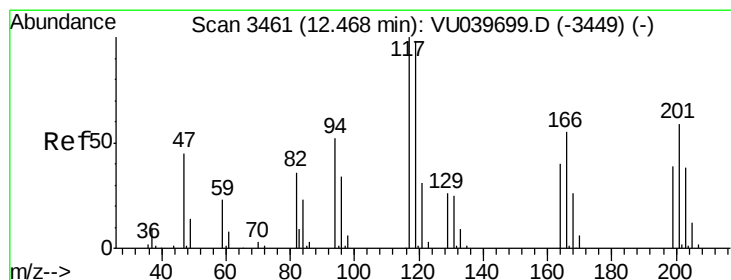
Tot Ion	Ratio	Lower	Upper
117	100		
167	68.6	56.6	85.0

Manual Integrations
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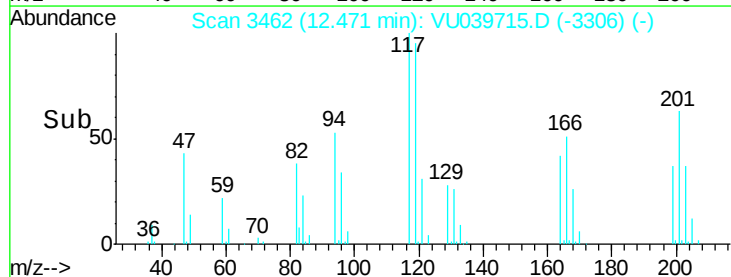
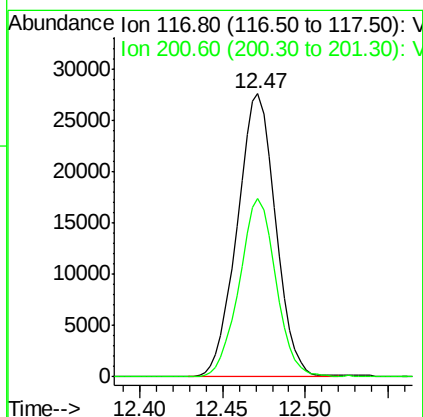
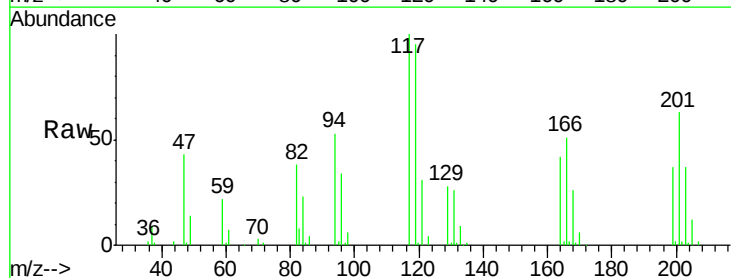
MMDadoda

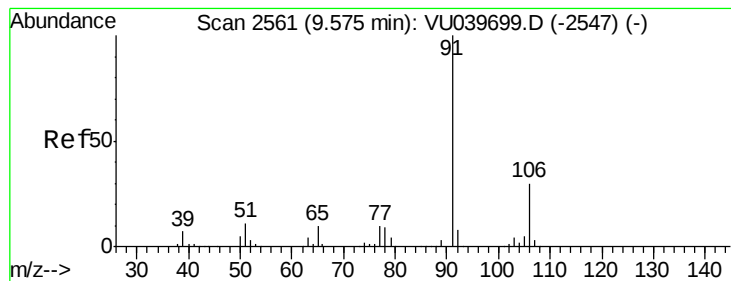
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#62
 Hexachloroethane
 Concen: 9.981 ug/l
 RT: 12.47 min Scan# 3462
 Delta R.T. 0.00 min
 Lab File: VU039715.D
 Acq: 29 Jul 2020 20:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	60.3	48.1	72.1





#63

Ethyl Benzene

Concen: 9.939 ug/l

RT: 9.57 min Scan# 2561

Delta R.T. -0.00 min

Lab File: VU039715.D

Acq: 29 Jul 2020 20:54

Tot Ion: 91 Resp: 292893

Ion Ratio Lower Upper

91 100

106 30.3 24.2 36.4

Instrument :

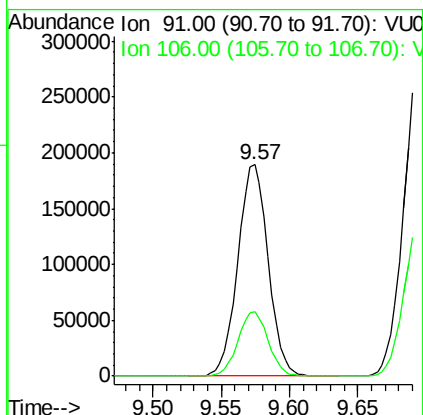
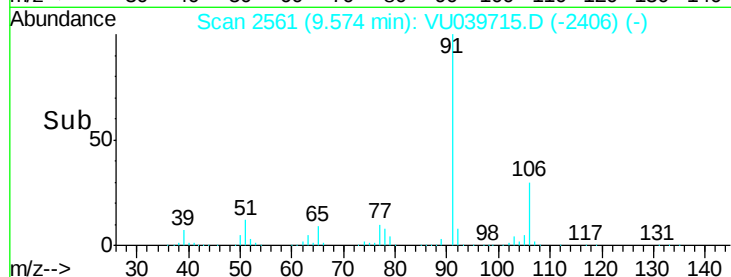
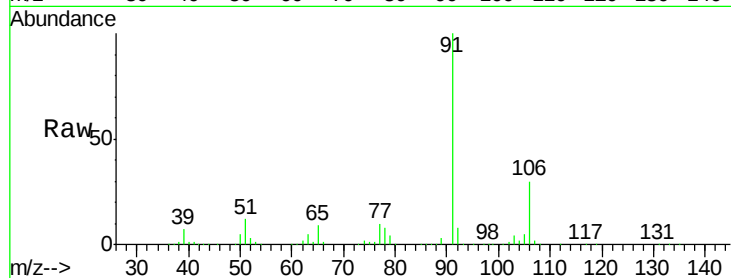
MSVOA_U

ClientSampleId :

VSTDCCC010EC

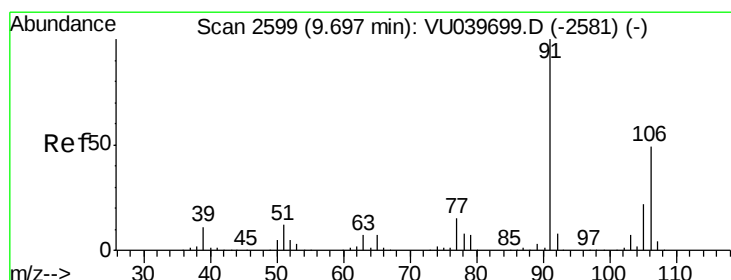
Manual Integrations

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#64

m/p-Xylenes

Concen: 20.163 ug/l

RT: 9.70 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VU039715.D

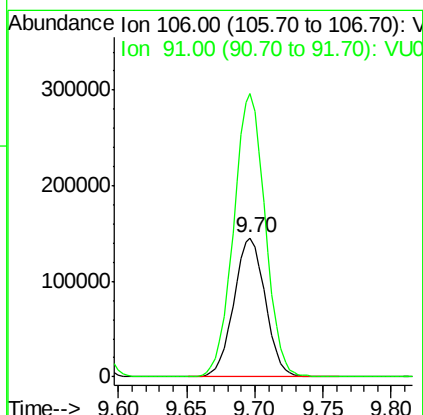
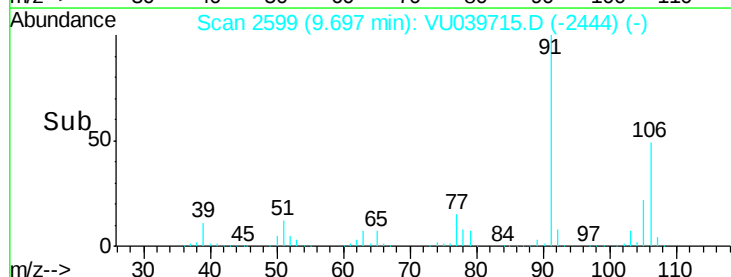
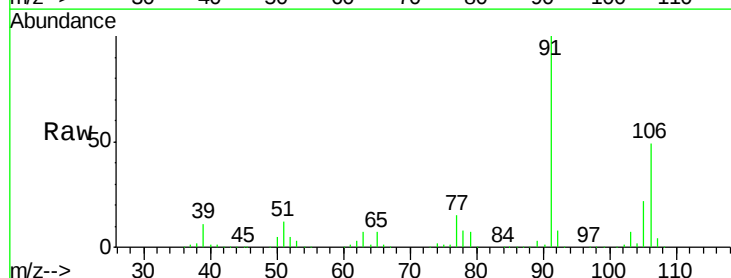
Acq: 29 Jul 2020 20:54

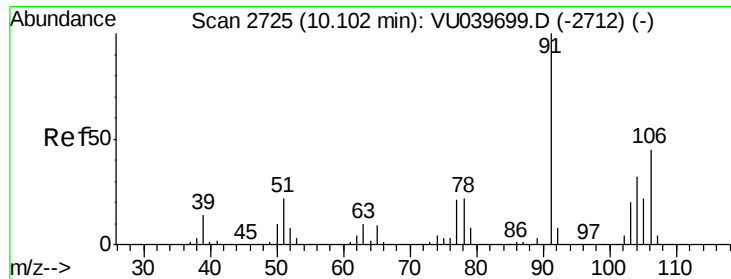
Tgt Ion: 106 Resp: 232130

Ion Ratio Lower Upper

106 100

91 204.0 163.9 245.9



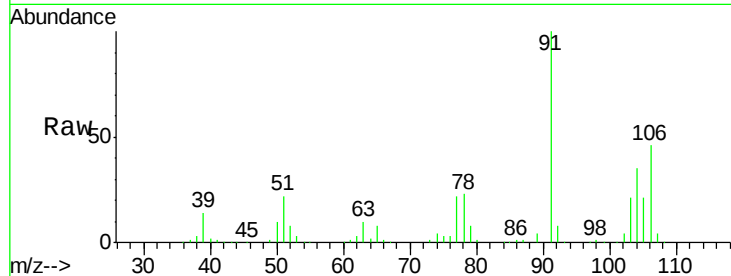


#65
o-Xylene
Concen: 10.049 ug/l
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU039715.D
Acq: 29 Jul 2020 20:54

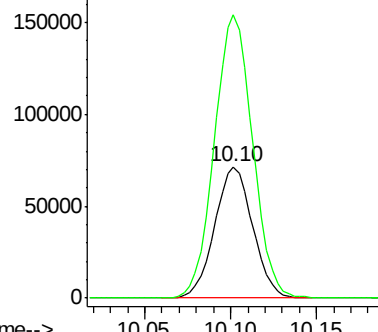
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion:106 Resp: 109845
Ion Ratio Lower Upper
106 100
91 216.7 110.3 331.0

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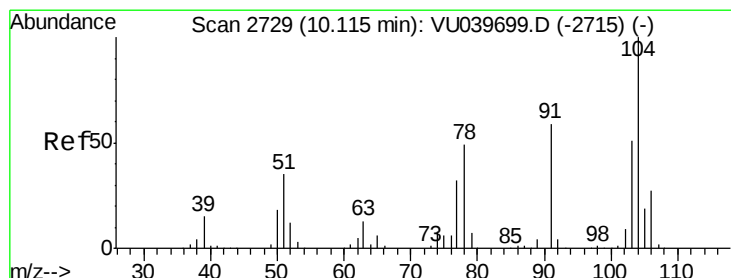
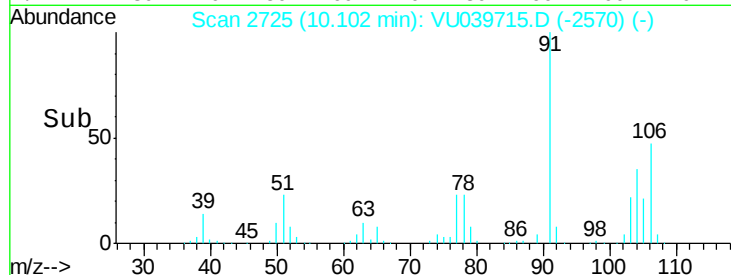


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0



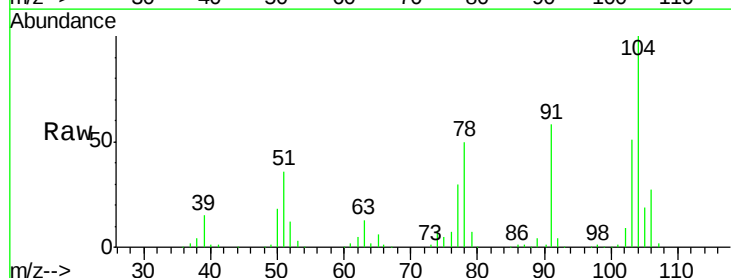
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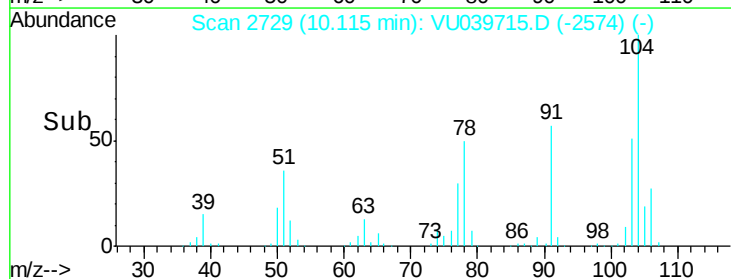
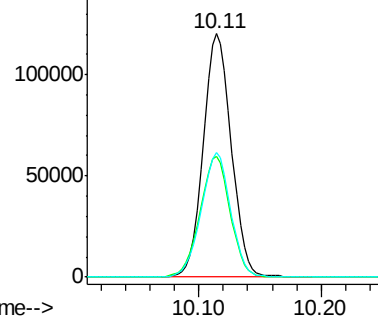


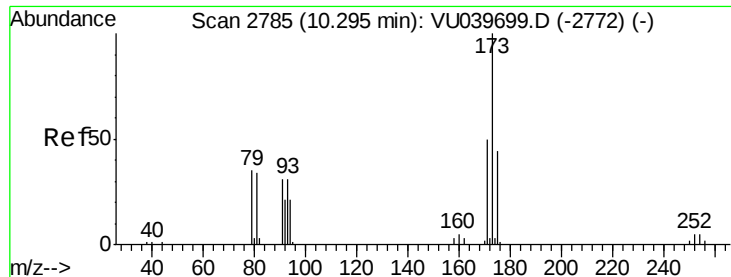
#66
Styrene
Concen: 10.289 ug/l
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU039715.D
Acq: 29 Jul 2020 20:54

Tgt Ion:104 Resp: 192733
Ion Ratio Lower Upper
104 100
78 53.3 42.2 63.4
103 53.7 43.4 65.2



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: 10.118 ug/l

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU039715.D

Acq: 29 Jul 2020 20:54

Instrument :

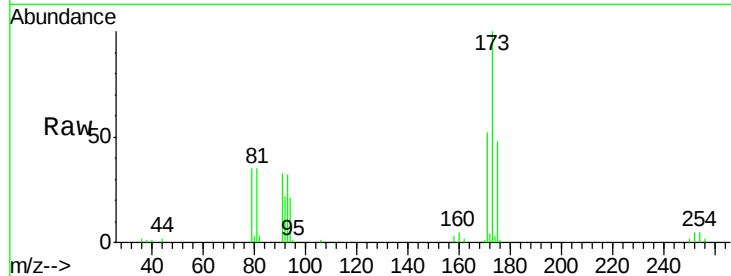
MSVOA_U

ClientSampleId :

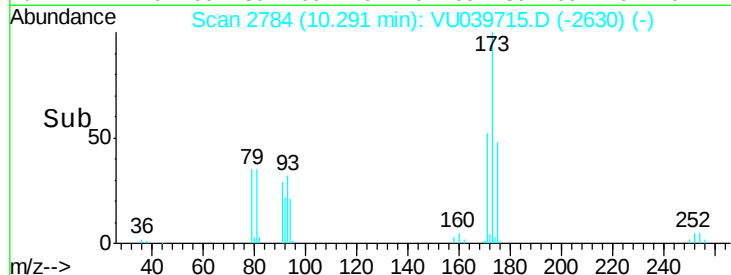
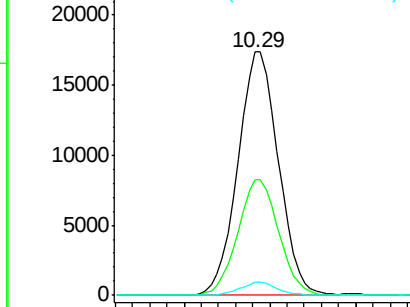
VSTDCCC010EC

Tot Ion:	173	Resp:	28531
Ion Ratio	Lower	Upper	
173	100		
175	47.6	36.7	55.1
254	4.8	3.8	5.8

Manual Integrations
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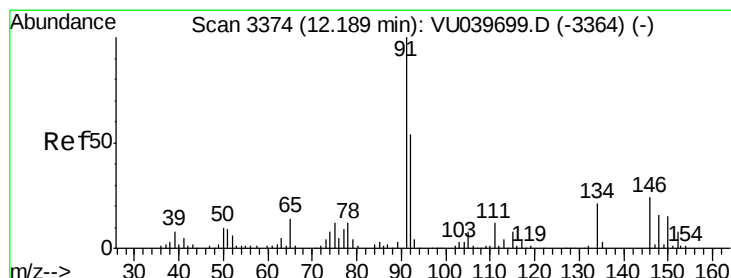


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



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#68

1,2-Dichlorobenzene-d4

Concen: 1.026 ug/l

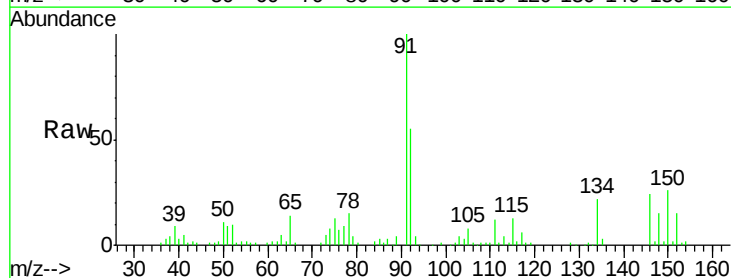
RT: 12.19 min Scan# 3373

Delta R.T. -0.00 min

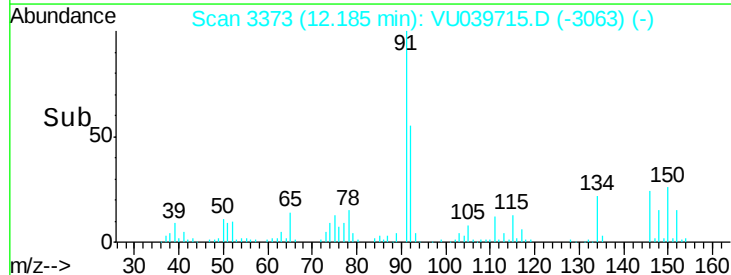
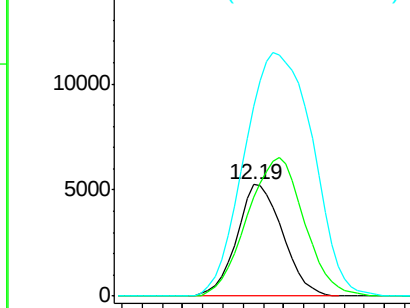
Lab File: VU039715.D

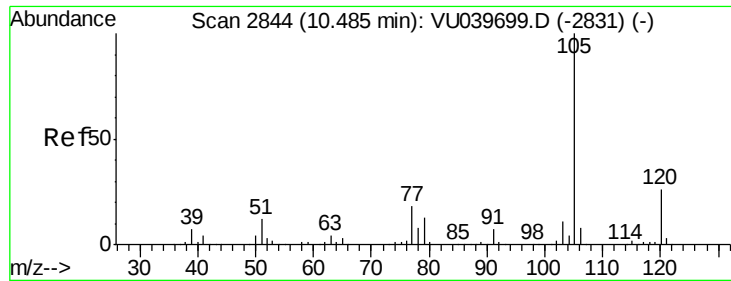
Acq: 29 Jul 2020 20:54

Tgt Ion:	152	Resp:	8377
Ion Ratio	Lower	Upper	
152	100		
115	153.1	0.0	302.4
150	322.6	0.0	645.8



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 9.972 ug/l

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039715.D

Acq: 29 Jul 2020 20:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

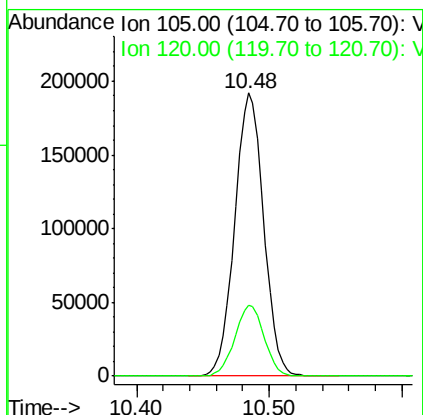
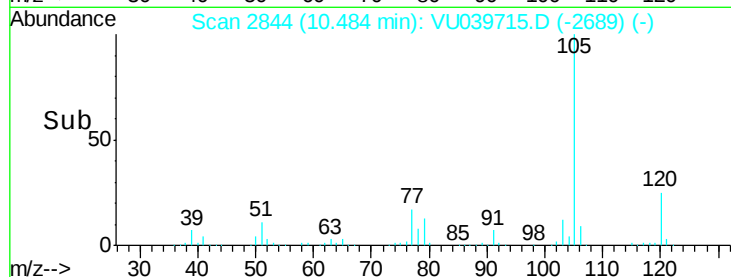
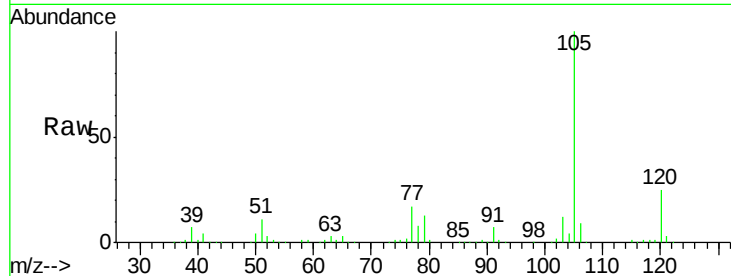
Tot Ion: 105 Resp: 291151

Ion Ratio Lower Upper

105 100

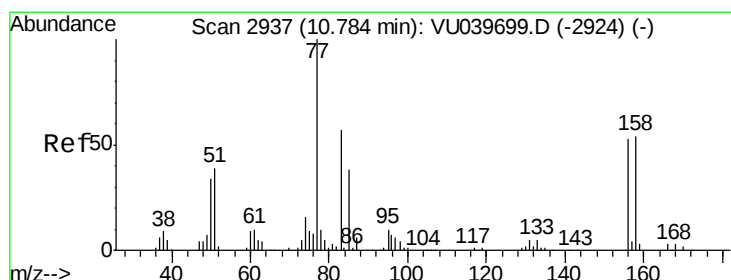
120 25.3 12.8 38.4

Manual Integrations
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#70

1,1,2,2-Tetrachloroethane

Concen: 9.870 ug/l

RT: 10.78 min Scan# 2937

Delta R.T. -0.00 min

Lab File: VU039715.D

Acq: 29 Jul 2020 20:54

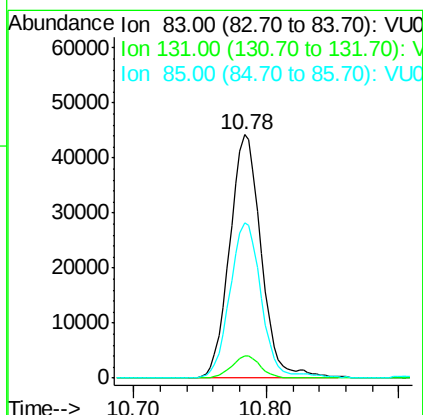
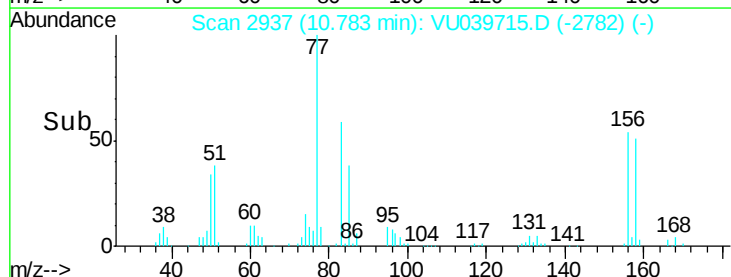
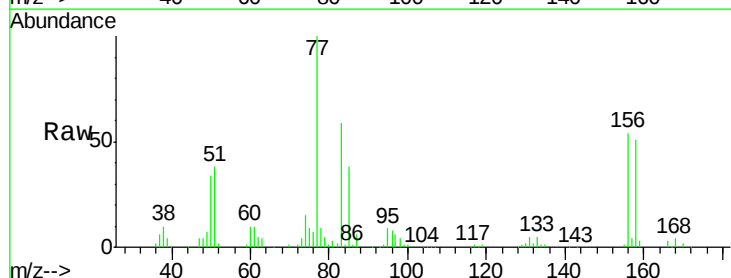
Tgt Ion: 83 Resp: 73136

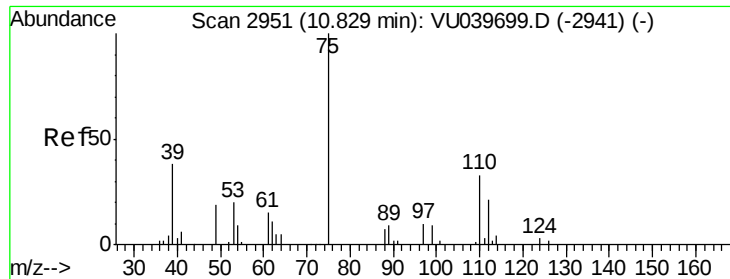
Ion Ratio Lower Upper

83 100

131 8.4 7.0 10.6

85 64.0 50.6 75.8



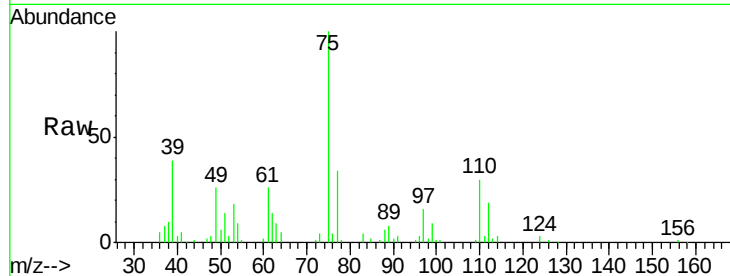


#71
1,2,3-Trichloropropane
Concen: 8.617 ug/l m
RT: 10.83 min Scan# 2951
Delta R.T. -0.00 min
Lab File: VU039715.D
Acq: 29 Jul 2020 20:54

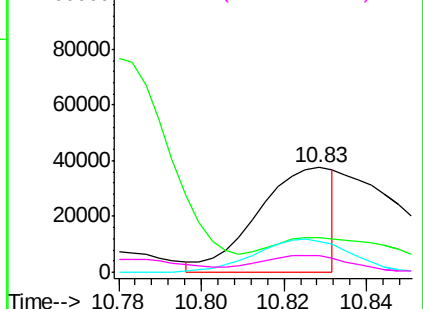
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	75	Resp	48103
Ion	Ratio	Lower	Upper
75	100		
77	58.4	0.0	91.0
110	40.1	0.0	64.2
97	20.5	0.0	32.6

Manual Integrations
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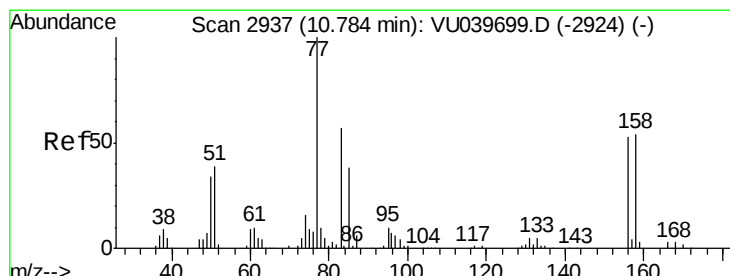
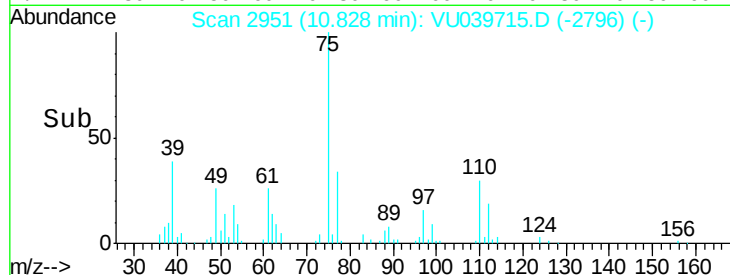


Abundance Ion 75.00 (74.70 to 75.70): VU039699.D (-2941) (-)
Ion 77.00 (76.70 to 77.70): VU039699.D (-2941) (-)
Ion 110.00 (109.70 to 110.70): VU039699.D (-2941) (-)
Ion 97.00 (96.70 to 97.70): VU039699.D (-2941) (-)



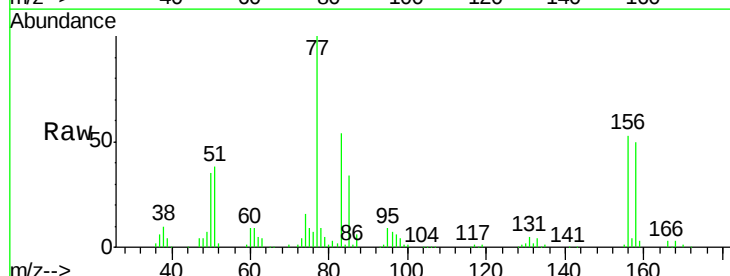
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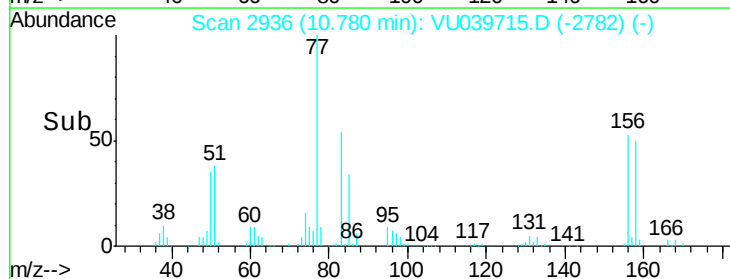
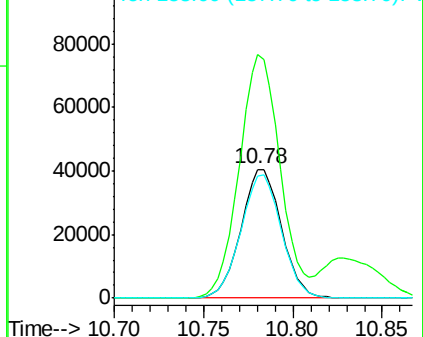


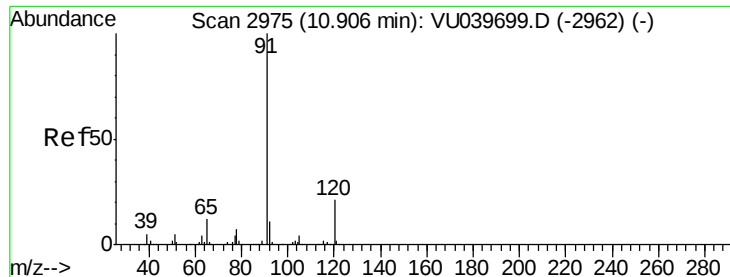
#72
Bromobenzene
Concen: 9.666 ug/l
RT: 10.78 min Scan# 2936
Delta R.T. -0.00 min
Lab File: VU039715.D
Acq: 29 Jul 2020 20:54

Tgt Ion	156	Resp	64092
Ion	Ratio	Lower	Upper
156	100		
77	190.7	0.0	385.2
158	96.1	0.0	200.8



Abundance Ion 156.00 (155.70 to 156.70): VU039699.D (-2924) (-)
Ion 77.00 (76.70 to 77.70): VU039699.D (-2924) (-)
Ion 158.00 (157.70 to 158.70): VU039699.D (-2924) (-)





#73

n-propylbenzene

Concen: 9.987 ug/l

RT: 10.91 min Scan# 2975

Delta R.T. -0.00 min

Lab File: VU039715.D

Acq: 29 Jul 2020 20:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

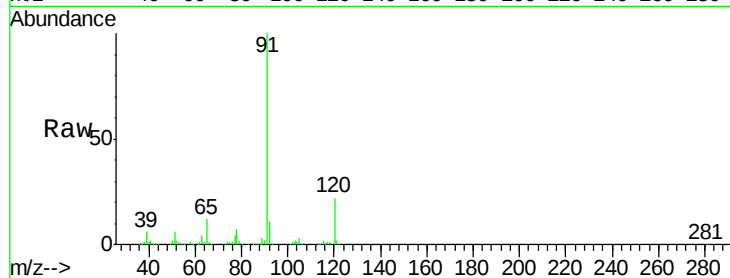
Tot Ion:120 Resp: 81979

Ion Ratio Lower Upper

120 100

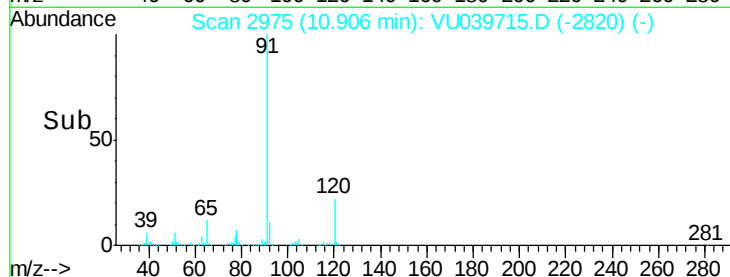
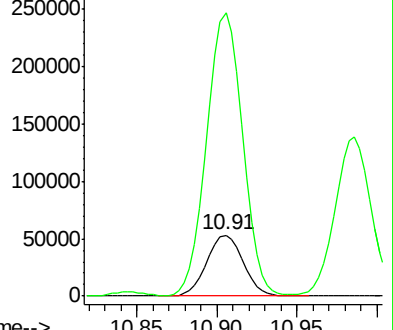
91 459.1 371.7 557.5

Manual Integrations
APPROVED



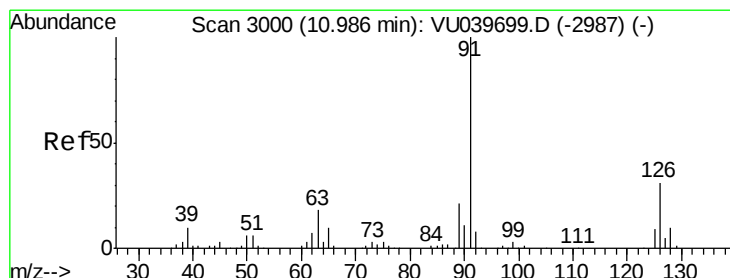
Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



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#74

2-Chlorotoluene

Concen: 9.830 ug/l

RT: 10.99 min Scan# 3000

Delta R.T. -0.00 min

Lab File: VU039715.D

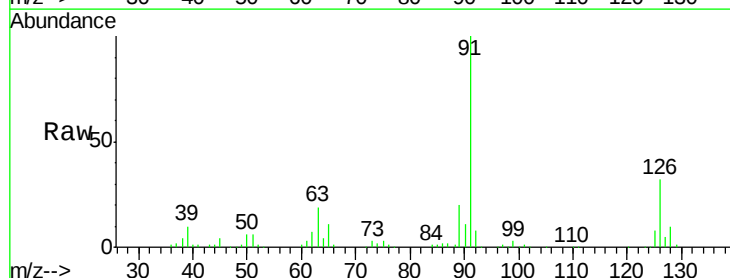
Acq: 29 Jul 2020 20:54

Tgt Ion:126 Resp: 68167

Ion Ratio Lower Upper

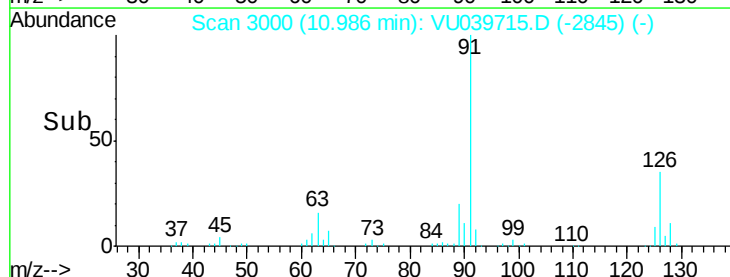
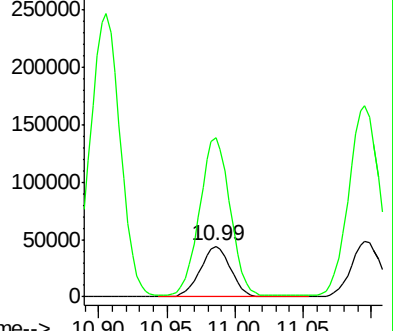
126 100

91 314.6 0.0 637.0



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: 10.266 ug/l

RT: 11.09 min Scan# 3031

Delta R.T. -0.00 min

Lab File: VU039715.D

Acq: 29 Jul 2020 20:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

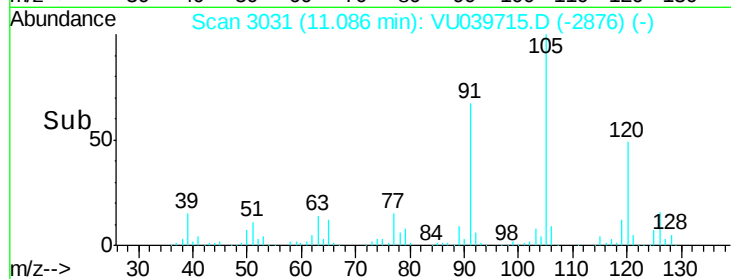
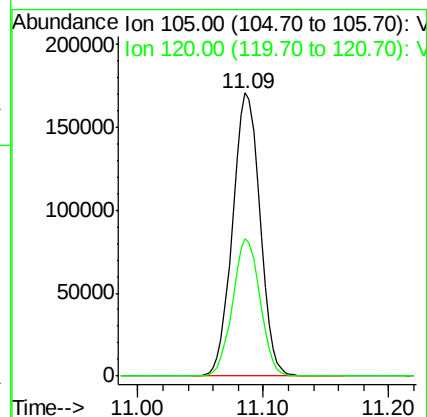
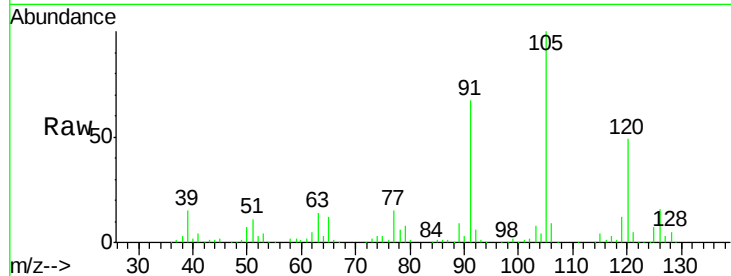
Tot Ion:105 Resp: 259100

Ion Ratio Lower Upper

105 100

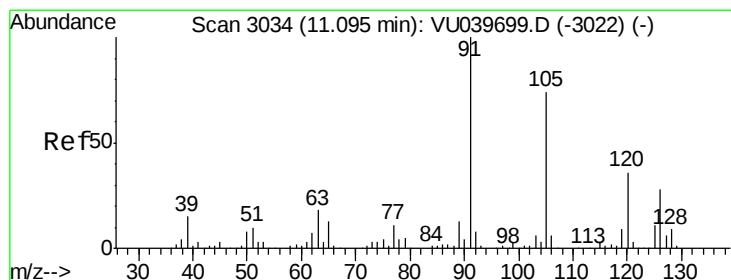
120 48.5 38.0 57.0

Manual Integrations
APPROVED



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#76

4-Chlorotoluene

Concen: 10.208 ug/l

RT: 11.10 min Scan# 3034

Delta R.T. -0.00 min

Lab File: VU039715.D

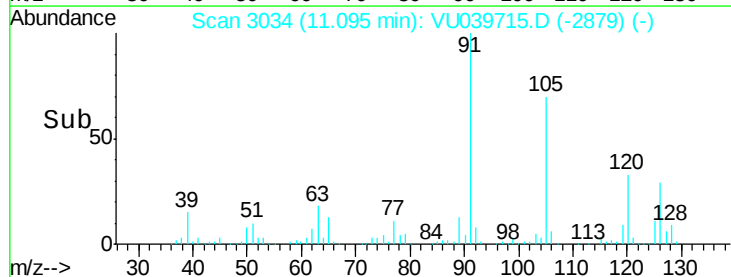
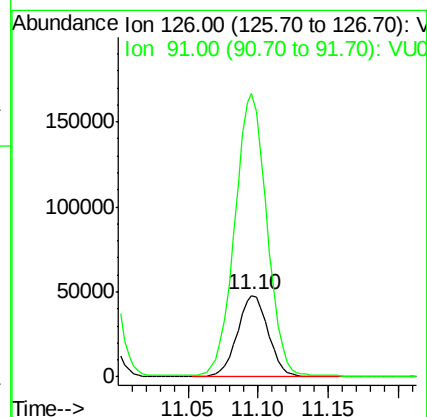
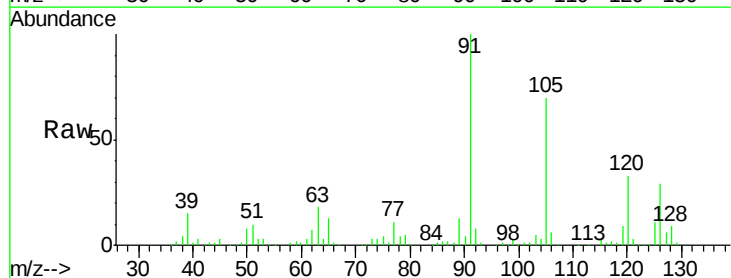
Acq: 29 Jul 2020 20:54

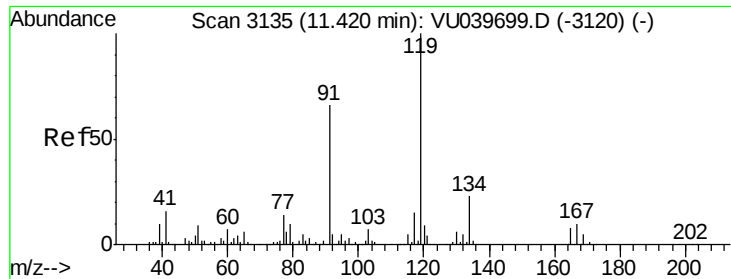
Tgt Ion:126 Resp: 73323

Ion Ratio Lower Upper

126 100

91 362.6 0.0 732.2



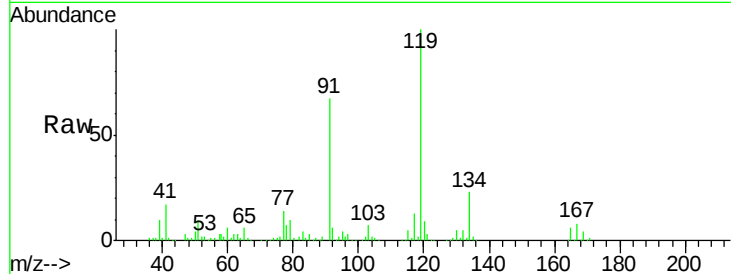


#77
 tert-Butylbenzene
 Concen: 10.064 ug/l
 RT: 11.42 min Scan# 3134
 Delta R.T. -0.00 min
 Lab File: VU039715.D
 Acq: 29 Jul 2020 20:54

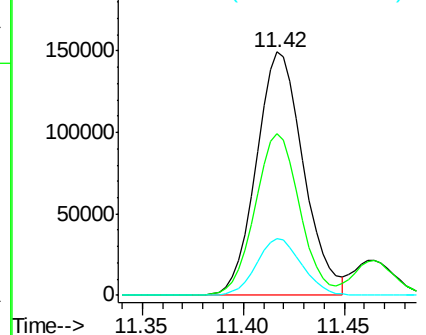
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.0	31.9	95.5
134	22.5	18.2	27.4

Manual Integrations
 APPROVED

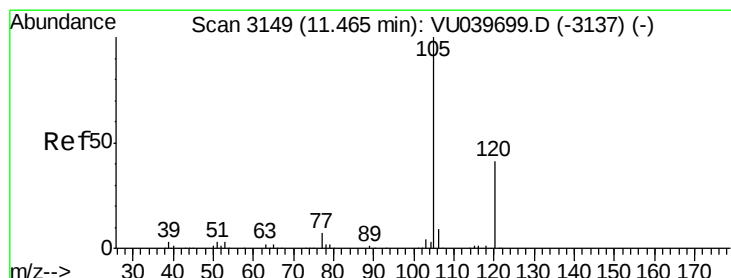
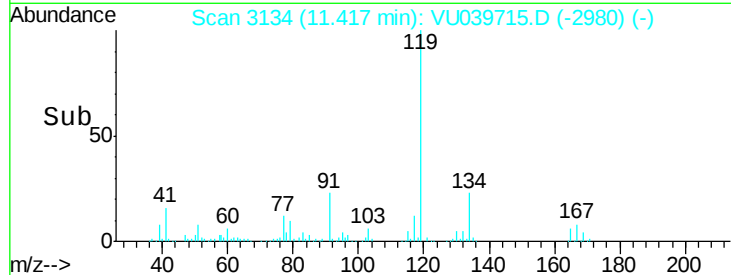


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V



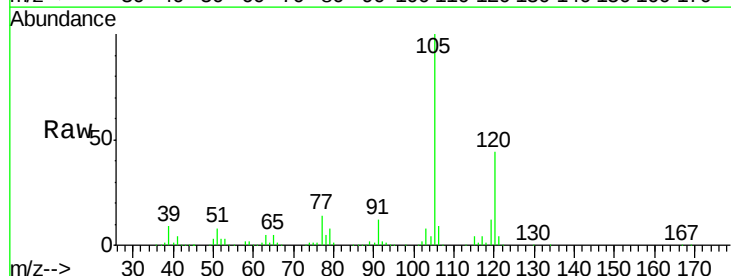
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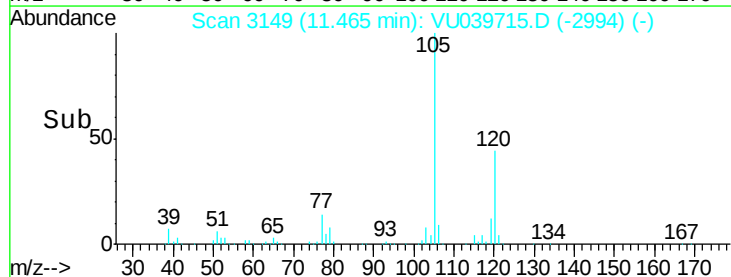
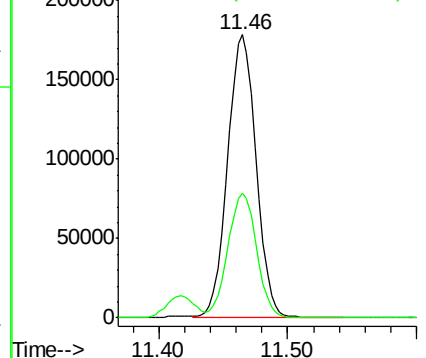


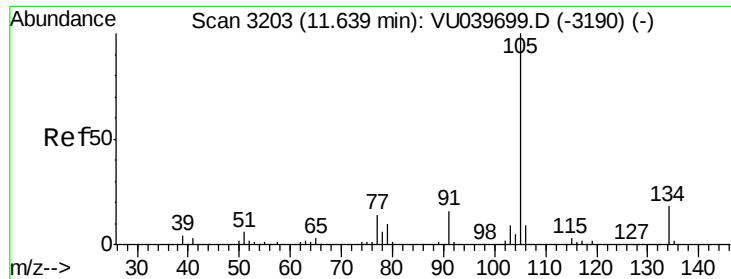
#78
 1,2,4-Trimethylbenzene
 Concen: 10.500 ug/l
 RT: 11.46 min Scan# 3149
 Delta R.T. -0.00 min
 Lab File: VU039715.D
 Acq: 29 Jul 2020 20:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.7	68.0



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 10.048 ug/l

RT: 11.64 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VU039715.D

Acq: 29 Jul 2020 20:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

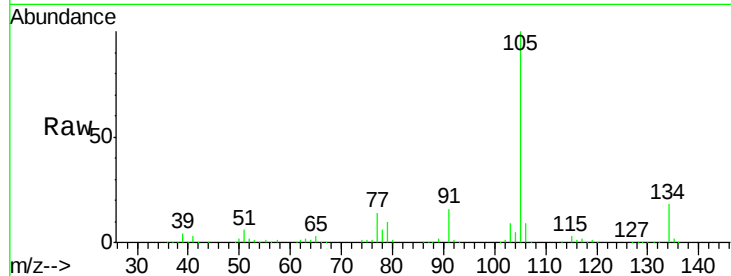
Tot Ion: 105 Resp: 346295

Ion Ratio Lower Upper

105 100

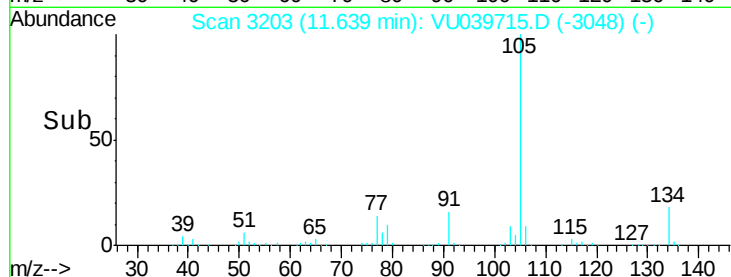
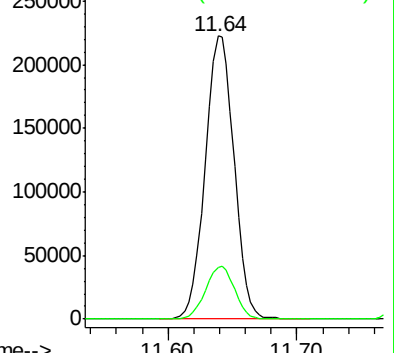
134 18.7 14.8 22.2

Manual Integrations
APPROVED



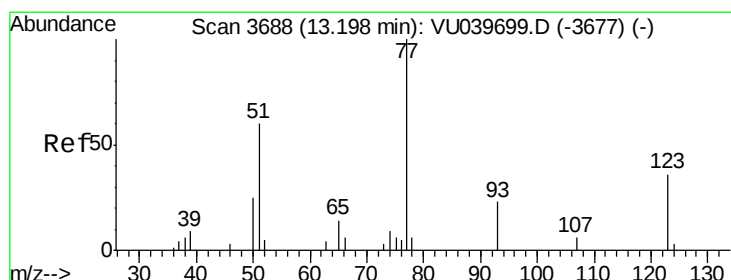
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



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#80

Nitrobenzene

Concen: 48.807 ug/l

RT: 13.20 min Scan# 3688

Delta R.T. 0.00 min

Lab File: VU039715.D

Acq: 29 Jul 2020 20:54

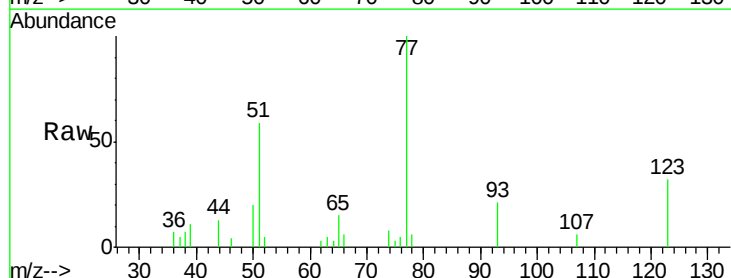
Tgt Ion: 77 Resp: 6363

Ion Ratio Lower Upper

77 100

123 36.8 16.9 59.9

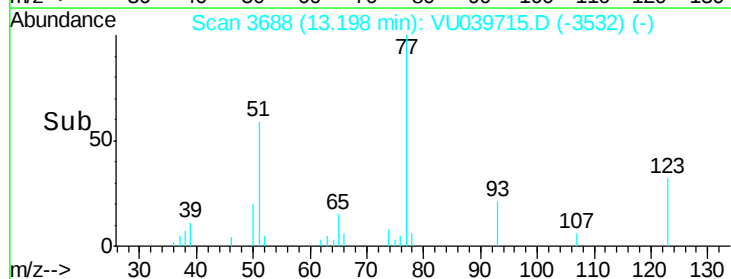
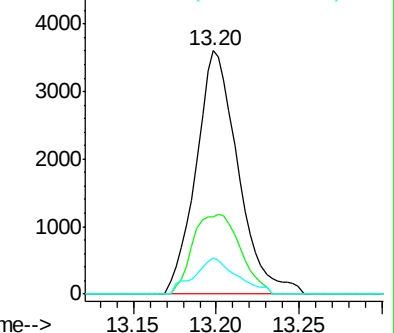
65 15.0 14.4 18.4

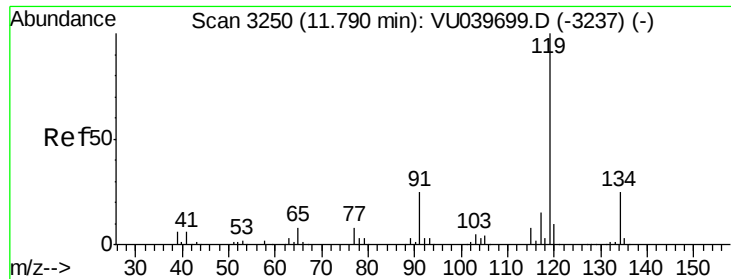


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0



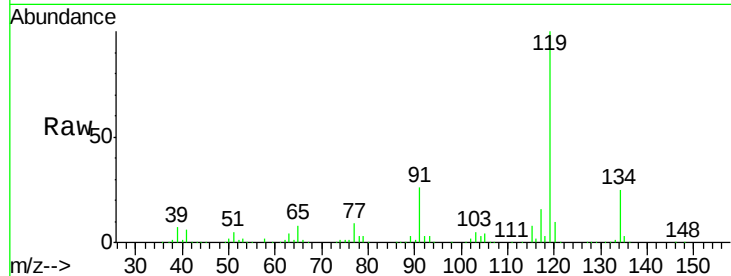


#81
p-Isopropyltoluene
Concen: 10.075 ug/l
RT: 11.79 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VU039715.D
Acq: 29 Jul 2020 20:54

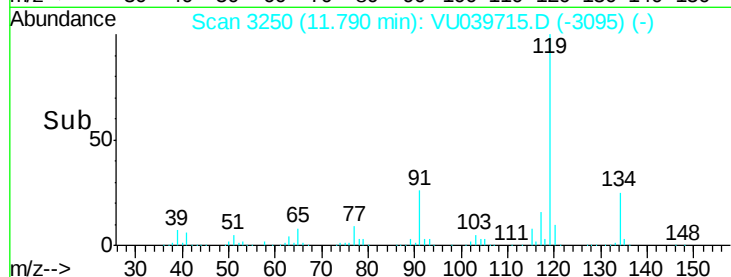
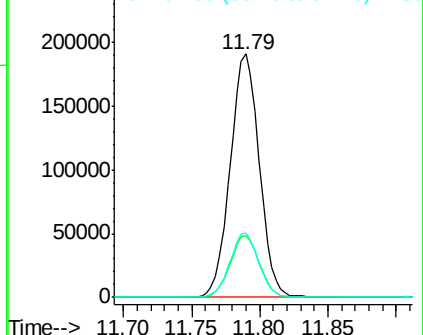
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.7	20.2	30.4
91	26.6	20.7	31.1

Manual Integrations
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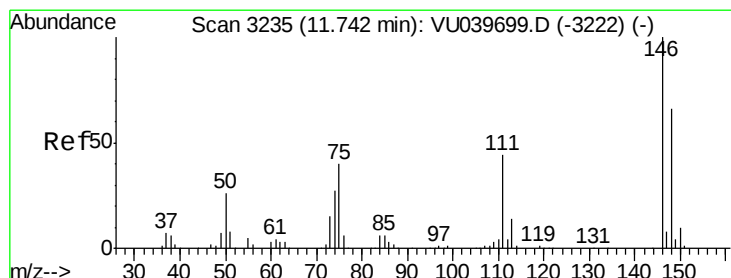


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V



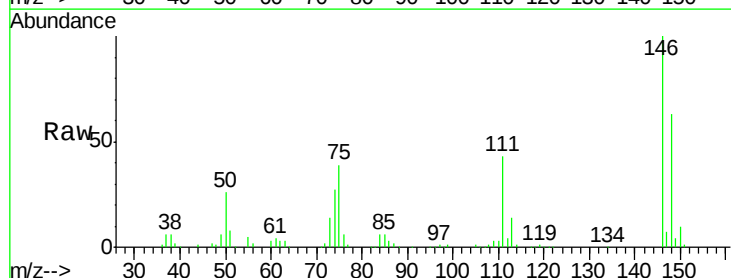
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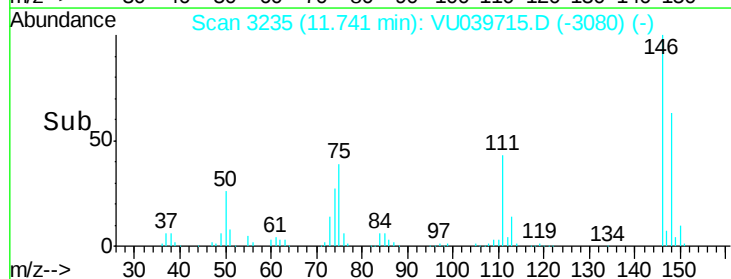
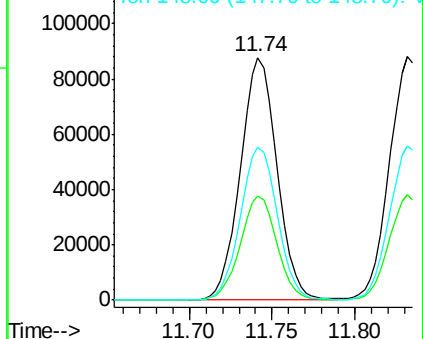


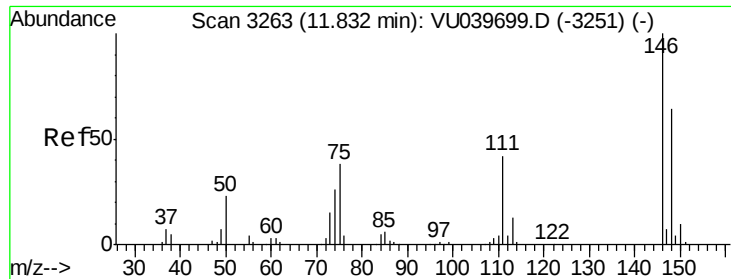
#82
1,3-Dichlorobenzene
Concen: 9.452 ug/l
RT: 11.74 min Scan# 3235
Delta R.T. -0.00 min
Lab File: VU039715.D
Acq: 29 Jul 2020 20:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.9	34.5	51.7
148	63.9	51.4	77.0



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



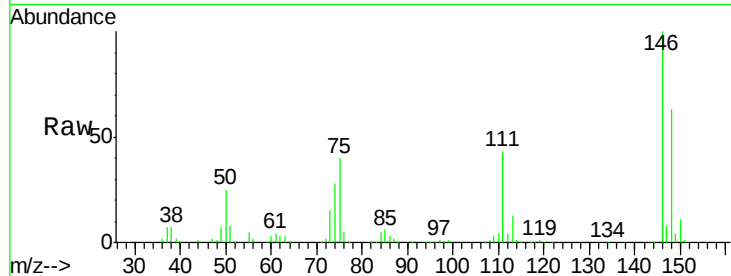


#83
 1,4-Dichlorobenzene
 Concen: 9.516 ug/l
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU039715.D
 Acq: 29 Jul 2020 20:54

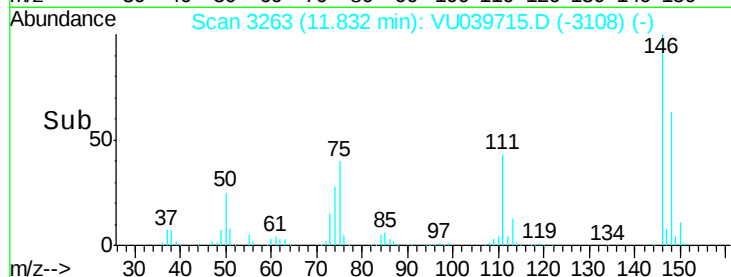
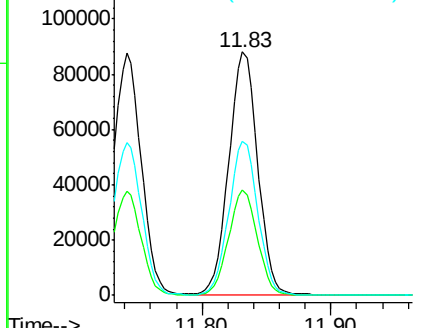
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	33.8	50.6
148	63.3	51.1	76.7

Manual Integrations
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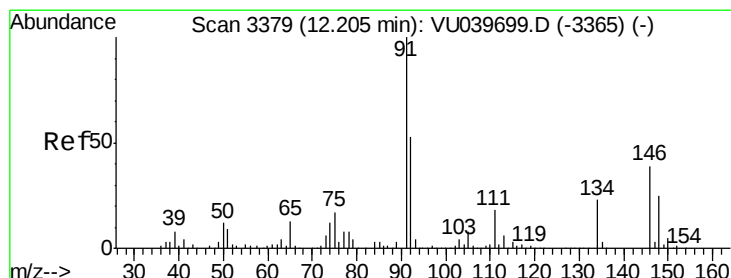


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V



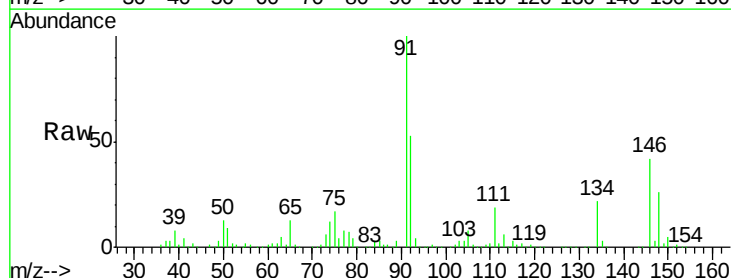
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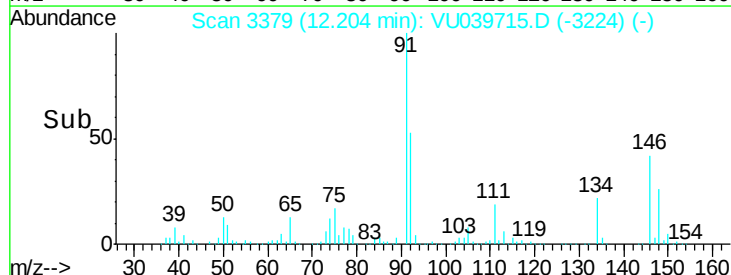
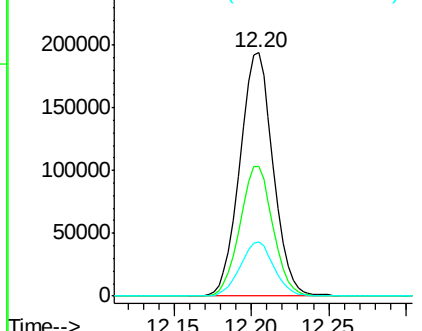


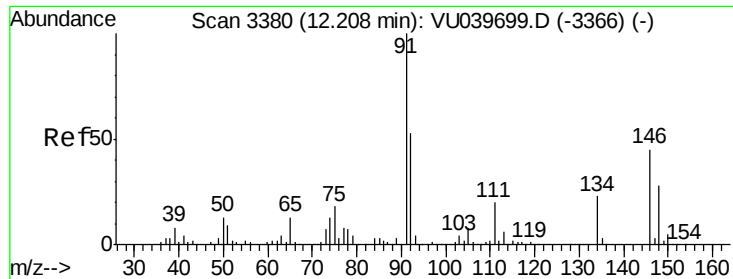
#84
 n-Butylbenzene
 Concen: 9.831 ug/l
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU039715.D
 Acq: 29 Jul 2020 20:54

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.2	42.6	64.0
134	22.6	18.2	27.4



Abundance Ion 91.00 (90.70 to 91.70): VU0
 Ion 92.00 (91.70 to 92.70): VU0
 Ion 134.00 (133.70 to 134.70): V



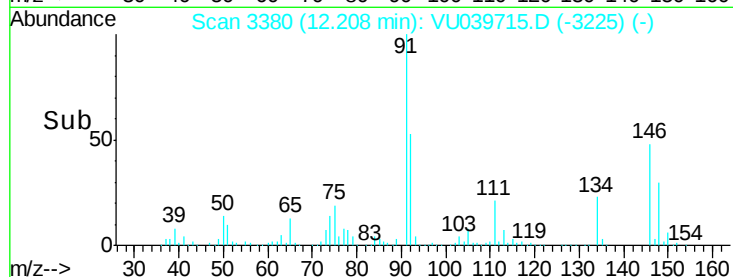
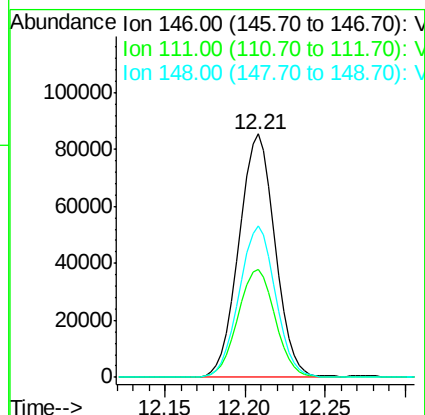
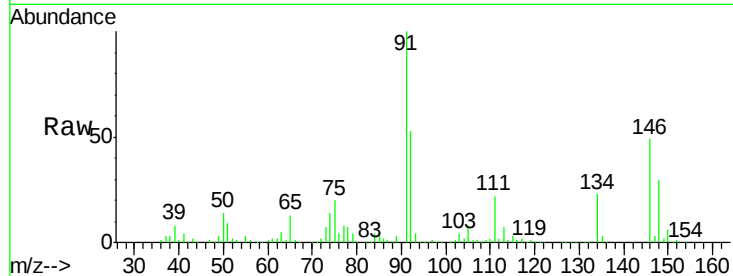


#85
 1,2-Dichlorobenzene
 Concen: 9.545 ug/l
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU039715.D
 Acq: 29 Jul 2020 20:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

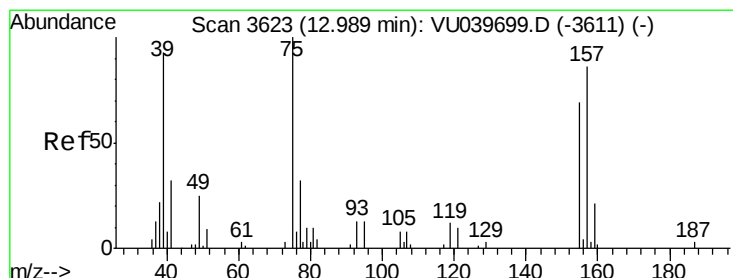
Tot Ion	Ratio	Lower	Upper
146	100		
111	45.8	22.8	68.3
148	62.7	31.7	95.1

Manual Integrations
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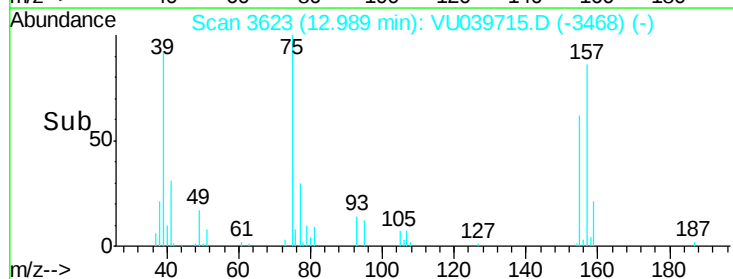
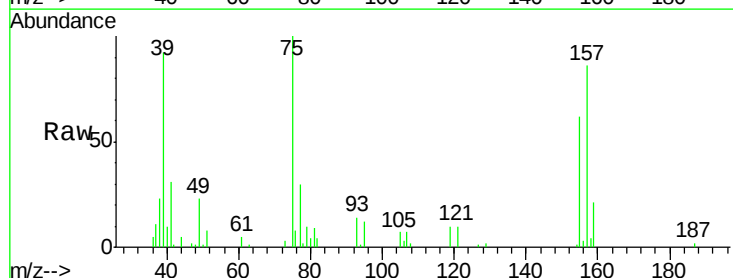
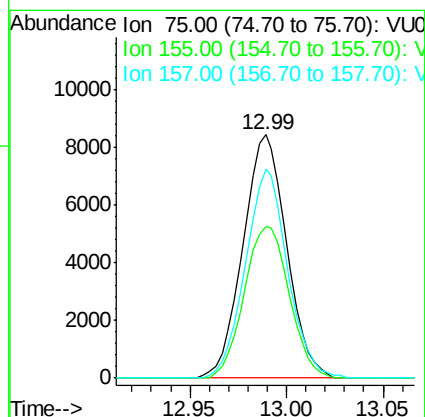
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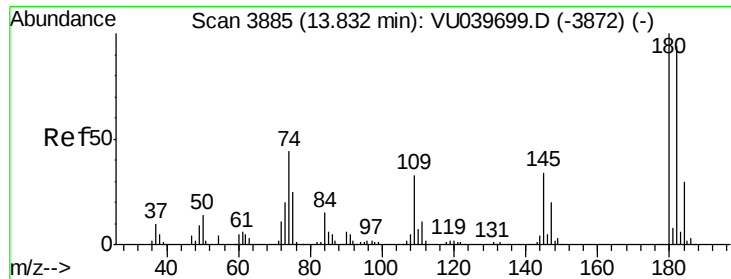
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 10.631 ug/l
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU039715.D
 Acq: 29 Jul 2020 20:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	64.1	52.9	79.3
157	83.0	67.8	101.6



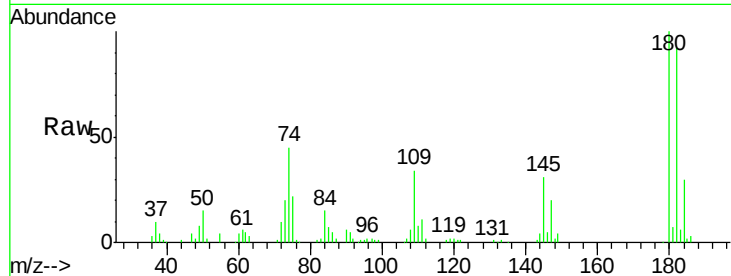


#87
 1,2,4-Trichlorobenzene
 Concen: 9.481 ug/l
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU039715.D
 Acq: 29 Jul 2020 20:54

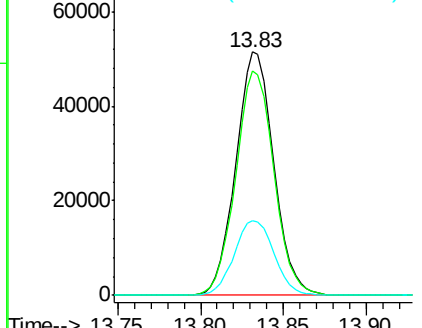
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.3	76.2	114.4
145	32.3	26.8	40.2

Manual Integrations
 APPROVED

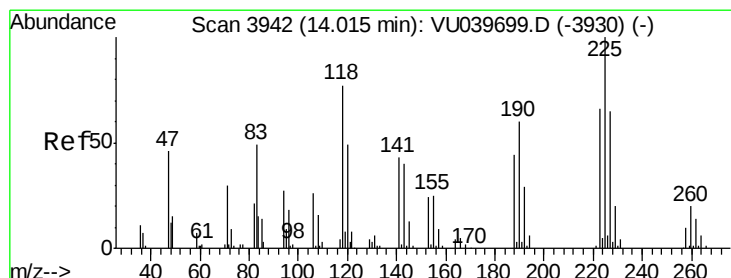
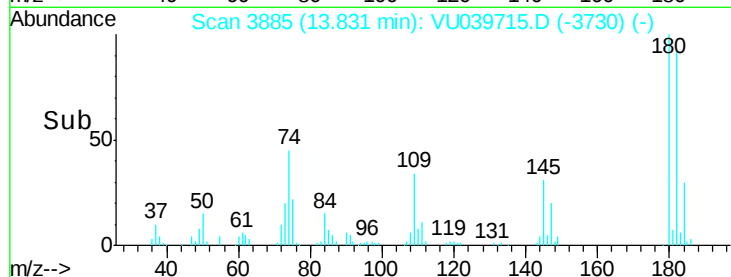


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



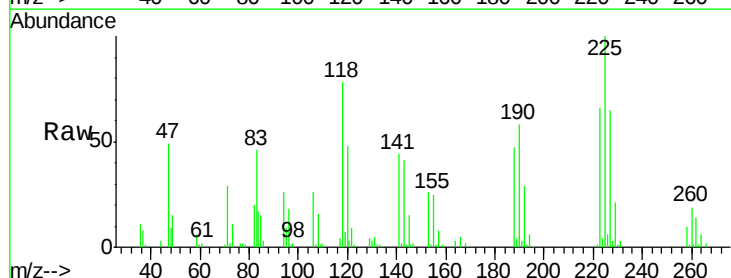
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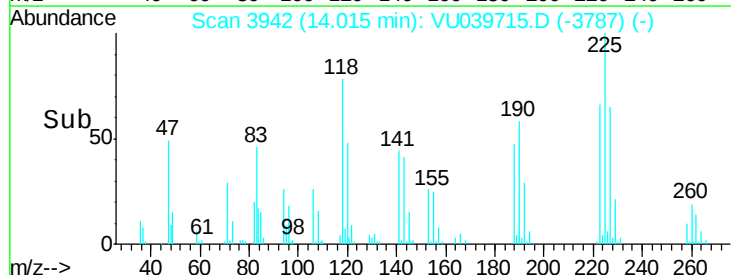
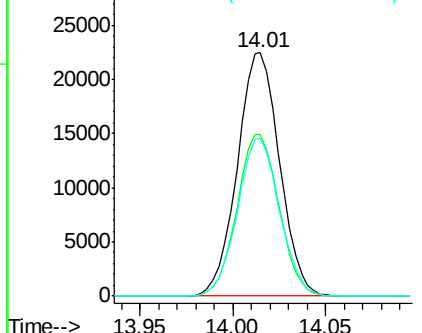


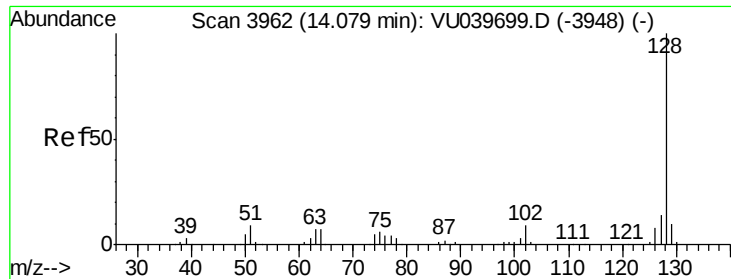
#88
 Hexachlorobutadiene
 Concen: 9.091 ug/l
 RT: 14.01 min Scan# 3942
 Delta R.T. -0.00 min
 Lab File: VU039715.D
 Acq: 29 Jul 2020 20:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.2	52.4	78.6
227	64.5	50.7	76.1



Abundance Ion 224.60 (224.30 to 225.30): V
 Ion 222.60 (222.30 to 223.30): V
 Ion 226.60 (226.30 to 227.30): V



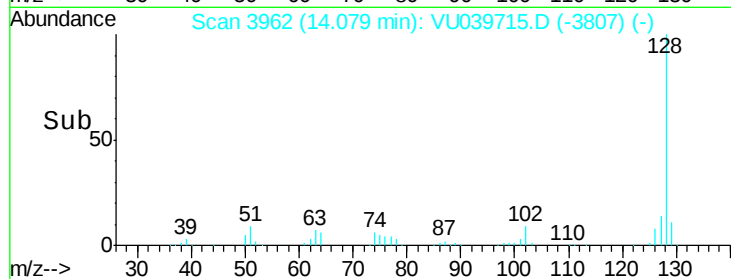
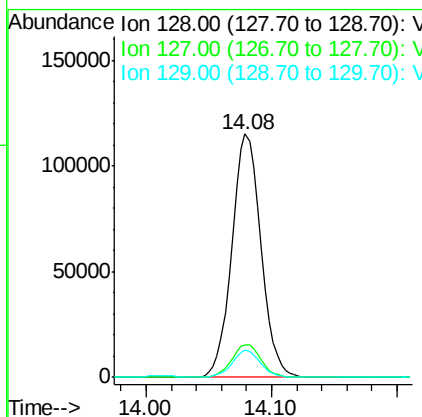
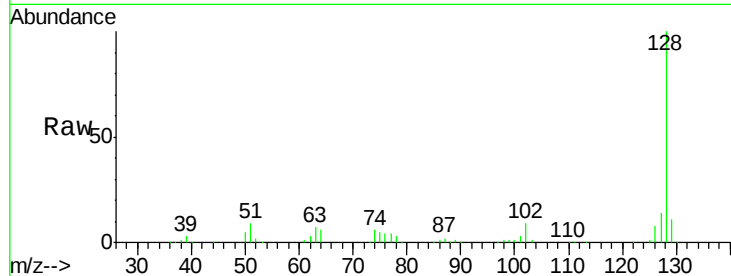


#89
Naphthalene
Concen: 10.064 ug/l
RT: 14.08 min Scan# 3962
Delta R.T. -0.00 min
Lab File: VU039715.D
Acq: 29 Jul 2020 20:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

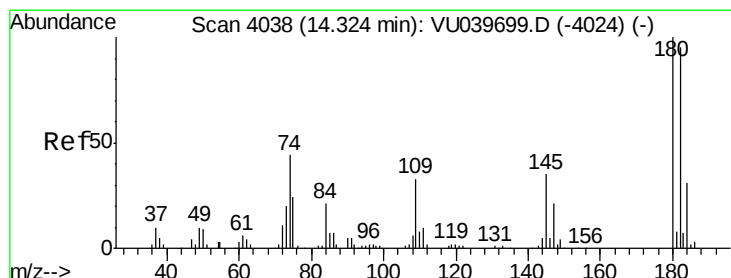
Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	11.0	16.4
129	10.8	8.4	12.6

Manual Integrations
APPROVED



MMDadoda

7/31/2020 3:42:19 PM



#90
1,2,3-Trichlorobenzene
Concen: 9.523 ug/l
RT: 14.32 min Scan# 4038
Delta R.T. -0.00 min
Lab File: VU039715.D
Acq: 29 Jul 2020 20:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.0	114.0
145	35.2	27.8	41.6

