

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U072920\
 Data File : VU039713.D
 Acq On : 29 Jul 2020 19:54
 Operator : SY/MD
 Sample : VU0729WBS01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0729WBS01

Manual Integrations
 APPROVED

Quant Time: Jul 31 14:09:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 31 14:06:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.12	96	20482	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.63	95	7418	0.93	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	7388	0.94	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.00%	

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Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	14104	1.982	ug/l 99
3) Chloromethane	1.53	50	18762	2.122	ug/l 100
4) Vinyl Chloride	1.61	62	16520	2.027	ug/l 96
5) Bromomethane	1.86	94	11658	2.092	ug/l 100
6) Chloroethane	1.94	64	12794	2.263	ug/l 95
7) Trichlorofluoromethane	2.15	101	22589	2.096	ug/l 92
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	12628	2.042	ug/l 99
9) 1,1-Dichloroethene	2.59	96	11514	2.023	ug/l 91
10) Iodomethane	2.73	142	13046	2.273	ug/l 99
11) Allyl Chloride	2.93	41	24105	1.964	ug/l 99
12) Acrylonitrile	3.34	53	8796	4.403	ug/l # 91
13) Acetone	2.66	43	18680	9.939	ug/l 99
14) Carbon Disulfide	2.80	76	40881	1.959	ug/l 99
15) Methylene Chloride	3.06	84	15266	1.924	ug/l 96
16) trans-1,2-Dichloroethene	3.37	96	12955	2.002	ug/l 96
17) 1,1-Dichloroethane	3.89	63	28234	1.987	ug/l 98
18) 2-Butanone	4.75	43	33439	10.580	ug/l 98
19) Cyclohexane	5.39	56	27503m	2.000	ug/l
20) Methylcyclohexane	6.77	83	17994	1.766	ug/l 95
21) 2,2-Dichloropropane	4.68	77	21383	1.845	ug/l 100
22) cis-1,2-Dichloroethene	4.68	96	14433	2.070	ug/l 95
23) Diethyl Ether	2.39	59	11466	1.971	ug/l 92
24) tert-Butyl Alcohol	3.25	59	16348m	16.654	ug/l
25) Methyl tert-Butyl Ether	3.39	73	37233	2.005	ug/l 99
26) Bromochloromethane	4.99	128	5730	2.008	ug/l 93
27) Chloroform	5.11	83	26684	2.007	ug/l 99
28) 1,1,1-Trichloroethane	5.33	97	21431	1.992	ug/l 100
29) 1,1-Dichloropropene	5.54	75	21453	2.071	ug/l 99
30) Carbon Tetrachloride	5.54	117	18233	2.073	ug/l 96
31) Isopropyl Ether	4.02	45	52541	2.028	ug/l 98
32) Ethyl-t-butyl ether	4.53	59	44196	2.004	ug/l 100
33) Tert-Amyl methyl ether	5.97	73	29613	1.863	ug/l 99
34) Propionitrile	4.82	54	9179	11.773	ug/l # 82
35) Benzene	5.78	78	48609	1.897	ug/l 100
36) 1,2-Dichloroethane	5.81	62	18984	1.976	ug/l 99
37) Trichloroethene	6.56	130	11292	1.926	ug/l 98
38) 1,2-Dichloropropane	6.80	63	13495	1.911	ug/l 93
39) Methacrylonitrile	5.01	41	8376	2.038	ug/l 96
40) Methyl acrylate	4.87	55	12565	2.371	ug/l 97
41) Tetrahydrofuran	5.10	42	8658	4.188	ug/l # 80
42) 1-Chlorobutane	5.47	56	34135	2.099	ug/l 100

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 Operator : SY/MD
 Sample : VU0729WBS01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

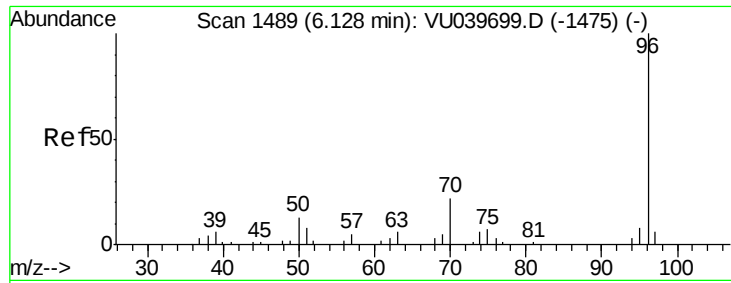
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0729WBS01

Manual Integrations
 APPROVED

Quant Time: Jul 31 14:09:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 31 14:06:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.93	93	7369	1.939	ug/l	99
44) Bromodichloromethane	7.12	83	16485	1.892	ug/l	98
45) 4-Methyl-2-Pentanone	7.81	43	55605	9.657	ug/l	96
46) t-1,4-Dichloro-2-butene	10.83	75	5898m	3.444	ug/l	
47) Methyl methacrylate	6.98	69	13297	3.751	ug/l	94
48) Ethyl methacrylate	8.35	69	11681	1.790	ug/l	100
49) Toluene	7.98	92	27738	1.818	ug/l	99
50) t-1,3-Dichloropropene	8.22	75	13875	1.768	ug/l	97
51) cis-1,3-Dichloropropene	7.62	75	16083	1.743	ug/l	91
52) 1,1,2-Trichloroethane	8.41	97	9328	1.889	ug/l	88
53) 1,3-Dichloropropane	8.58	76	17796	1.877	ug/l	96
54) 2-Hexanone	8.70	43	38586	9.360	ug/l	96
55) Dibromochloromethane	8.82	129	10009	1.887	ug/l	98
56) 1,2-Dibromoethane	8.93	107	9216	1.937	ug/l	98
58) Tetrachloroethene	8.56	164	9752	1.900	ug/l	98
59) Chlorobenzene	9.45	112	30100	1.908	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.54	131	10189	1.916	ug/l	98
61) Pentachloroethane	11.43	117	8780	1.879	ug/l	91
62) Hexachloroethane	12.47	117	7073	1.651	ug/l	99
63) Ethyl Benzene	9.57	91	49088	1.736	ug/l	99
64) m/p-Xylenes	9.70	106	39702	3.595	ug/l	99
65) o-Xylene	10.10	106	18404	1.755	ug/l	98
66) Styrene	10.11	104	31091	1.730	ug/l	98
67) Bromoform	10.29	173	4688	1.733	ug/l #	93
69) Isopropylbenzene	10.48	105	49144	1.755	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.78	83	13611	1.915	ug/l	98
71) 1,2,3-Trichloropropane	10.83	75	11179m	2.087	ug/l	
72) Bromobenzene	10.78	156	11643	1.830	ug/l	99
73) n-propylbenzene	10.91	120	13247	1.682	ug/l	94
74) 2-Chlorotoluene	10.99	126	11849	1.781	ug/l	100
75) 1,3,5-Trimethylbenzene	11.09	105	42649	1.761	ug/l	97
76) 4-Chlorotoluene	11.10	126	12625	1.832	ug/l	99
77) tert-Butylbenzene	11.42	119	41537	1.788	ug/l	98
78) 1,2,4-Trimethylbenzene	11.47	105	44195	1.780	ug/l	99
79) sec-Butylbenzene	11.64	105	58432	1.767	ug/l	100
80) Nitrobenzene	13.20	77	783	6.509	ug/l #	85
81) p-Isopropyltoluene	11.79	119	45752	1.717	ug/l	98
82) 1,3-Dichlorobenzene	11.74	146	25116	1.835	ug/l	98
83) 1,4-Dichlorobenzene	11.83	146	25536	1.854	ug/l	99
84) n-Butylbenzene	12.20	91	46621	1.647	ug/l	99
85) 1,2-Dichlorobenzene	12.21	146	24154	1.830	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.99	75	2065	1.724	ug/l	96
87) 1,2,4-Trichlorobenzene	13.83	180	13564	1.643	ug/l	99
88) Hexachlorobutadiene	14.01	225	6516	1.739	ug/l	99
89) Naphthalene	14.08	128	27475	1.556	ug/l	100
90) 1,2,3-Trichlorobenzene	14.32	180	13587	1.744	ug/l	98

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.12 min Scan# 1488

Delta R.T. -0.00 min

Lab File: VU039713.D

Acq: 29 Jul 2020 19:54

Instrument :

MSVOA_U

ClientSampleId :

VU0729WBS01

Tot Ion: 96 Resp: 20482

Ion Ratio Lower Upper

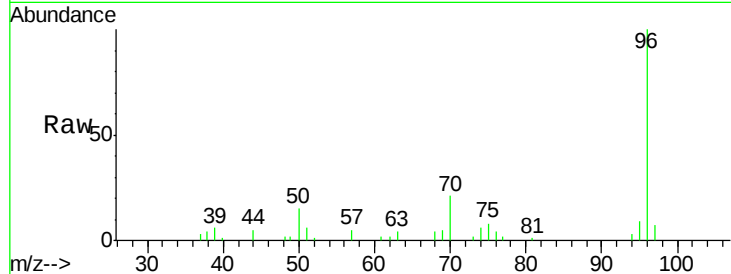
96 100

70 20.7 16.3 24.5

95 9.1 6.8 10.2

97 6.0 0.0 0.0#

Manual Integrations
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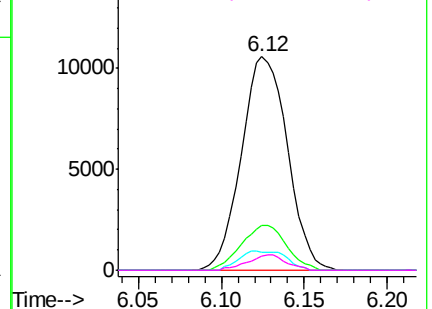
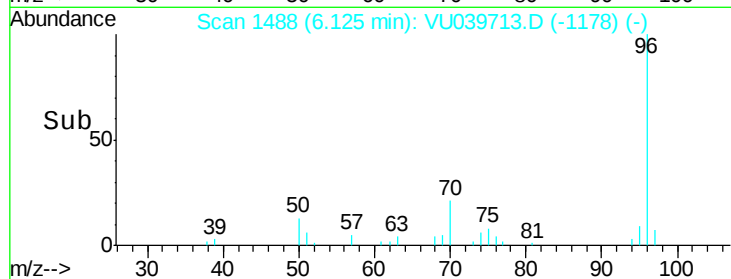


Abundance Ion 96.00 (95.70 to 96.70): VU039713.D (-1178) (-)

Ion 70.00 (69.70 to 70.70): VU039713.D (-1178) (-)

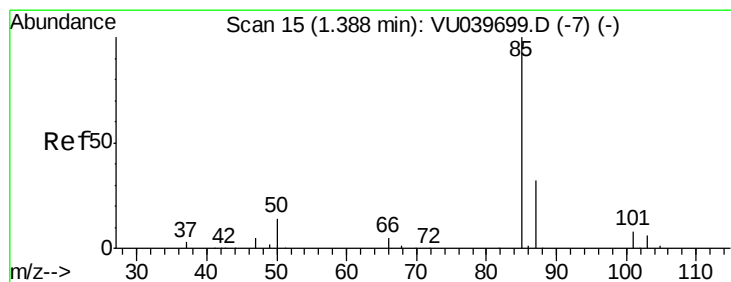
Ion 95.00 (94.70 to 95.70): VU039713.D (-1178) (-)

Ion 97.00 (96.70 to 97.70): VU039713.D (-1178) (-)



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#2

Dichlorodifluoromethane

Concen: 1.982 ug/l

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU039713.D

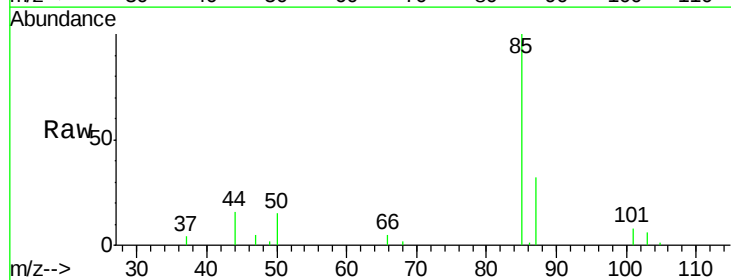
Acq: 29 Jul 2020 19:54

Tgt Ion: 85 Resp: 14104

Ion Ratio Lower Upper

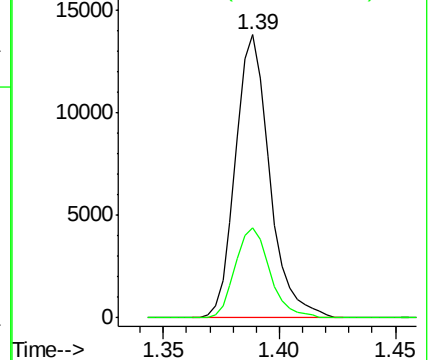
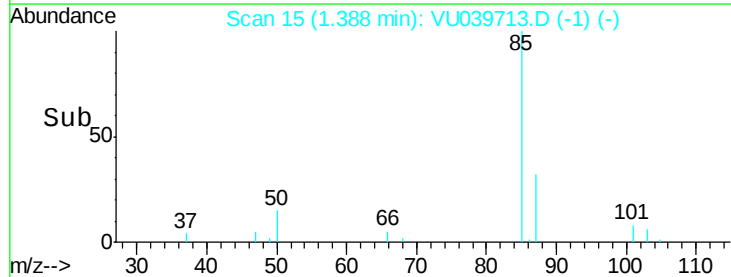
85 100

87 32.0 16.2 48.6



Abundance Ion 85.00 (84.70 to 85.70): VU039713.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU039713.D (-1) (-)





#3

Chloromethane

Concen: 2.122 ug/l

RT: 1.53 min Scan# 59

Delta R.T. -0.00 min

Lab File: VU039713.D

Acq: 29 Jul 2020 19:54

Instrument :

MSVOA_U

ClientSampleId :

VU0729WBS01

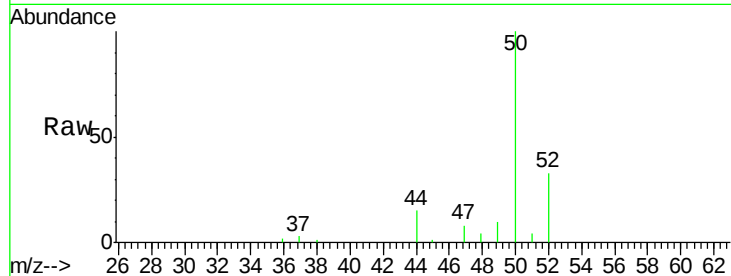
Tot Ion: 50 Resp: 18762

Ion Ratio Lower Upper

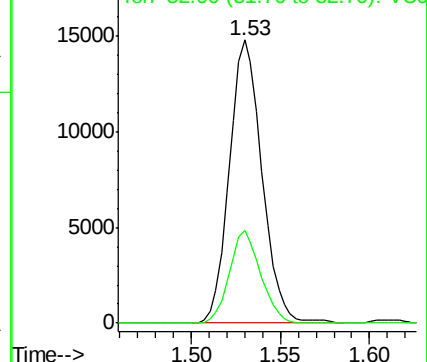
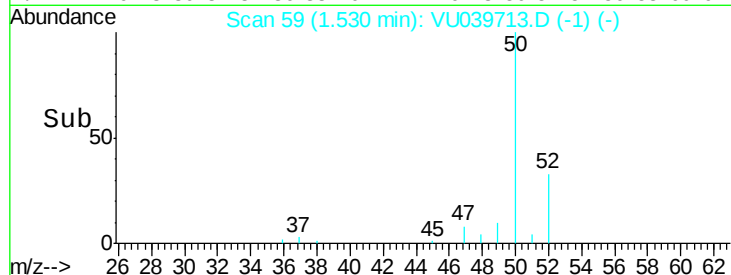
50 100

52 32.6 26.0 39.0

Manual Integrations
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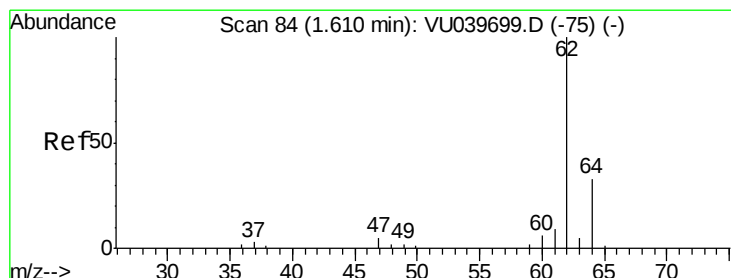


Abundance Ion 50.00 (49.70 to 50.70): VU039713.D (-1) (-)



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#4

Vinyl Chloride

Concen: 2.027 ug/l

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039713.D

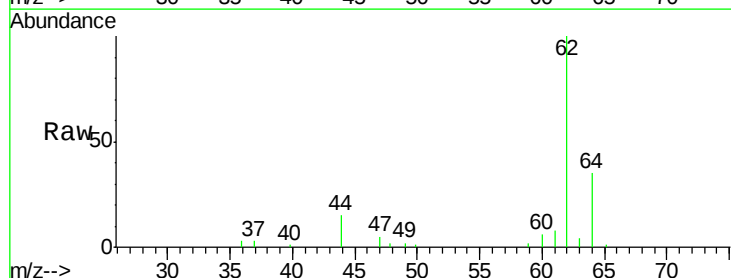
Acq: 29 Jul 2020 19:54

Tgt Ion: 62 Resp: 16520

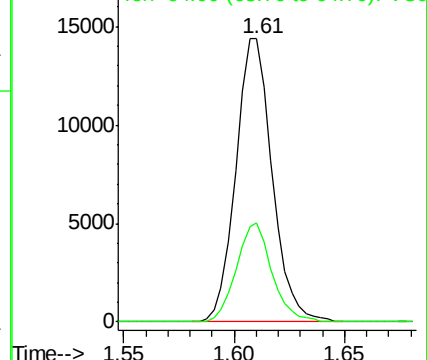
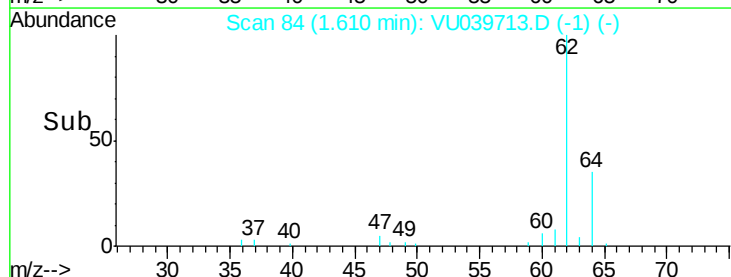
Ion Ratio Lower Upper

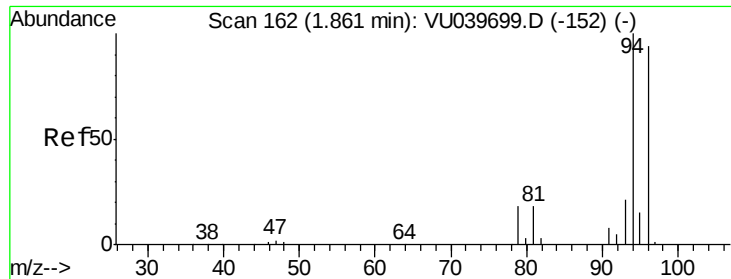
62 100

64 34.8 26.0 39.0



Abundance Ion 62.00 (61.70 to 62.70): VU039713.D (-1) (-)





#5

Bromomethane

Concen: 2.092 ug/l

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU039713.D

Acq: 29 Jul 2020 19:54

Instrument :

MSVOA_U

ClientSampleId :

VU0729WBS01

Tot Ion: 94 Resp: 11658

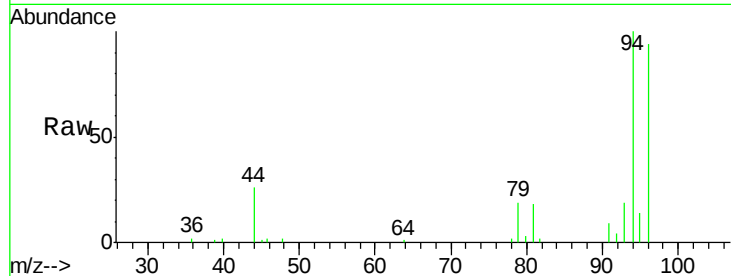
Ion Ratio Lower Upper

94 100

96 93.7 75.0 112.6

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VU039713.D (-152) (-)

Ion 96.00 (95.70 to 96.70): VU039713.D (-152) (-)

1.86

10000

8000

6000

4000

2000

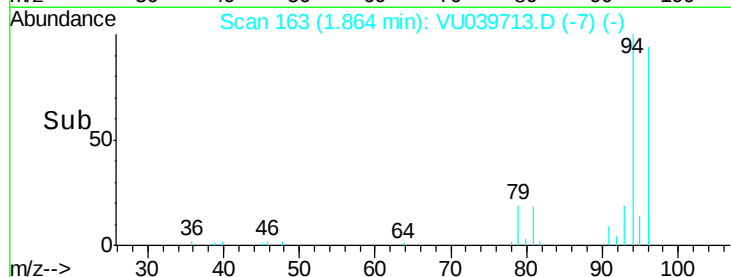
0

Time-->

1.80

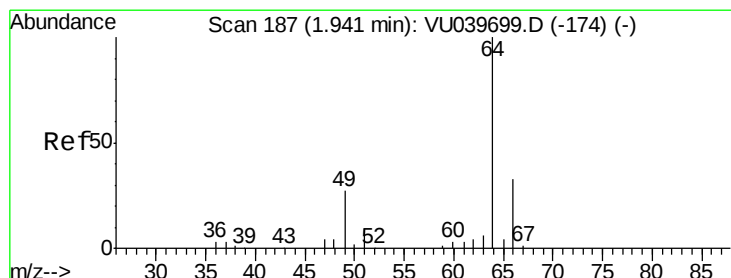
1.85

1.90



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#6

Chloroethane

Concen: 2.263 ug/l

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU039713.D

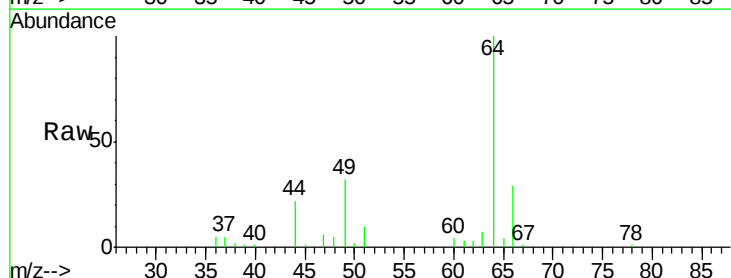
Acq: 29 Jul 2020 19:54

Tgt Ion: 64 Resp: 12794

Ion Ratio Lower Upper

64 100

66 29.8 26.2 39.2



Abundance Ion 64.00 (63.70 to 64.70): VU039713.D (-174) (-)

Ion 66.00 (65.70 to 66.70): VU039713.D (-174) (-)

1.94

12000

10000

8000

6000

4000

2000

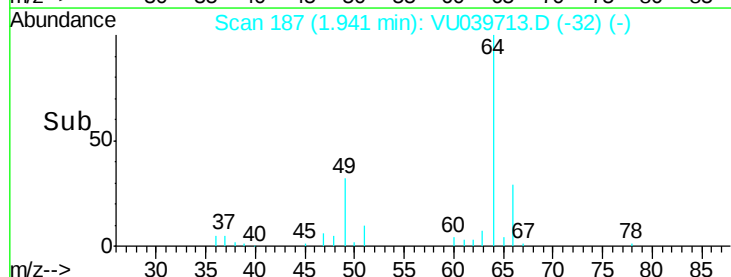
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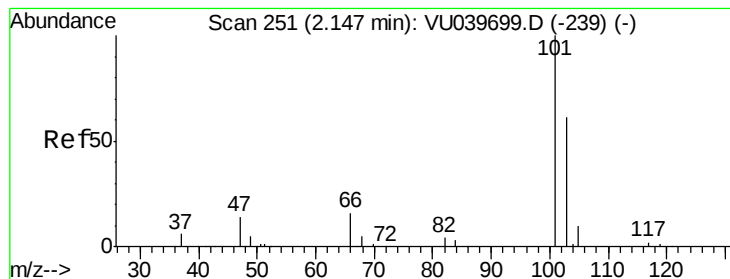
Time-->

1.90

1.95

2.00





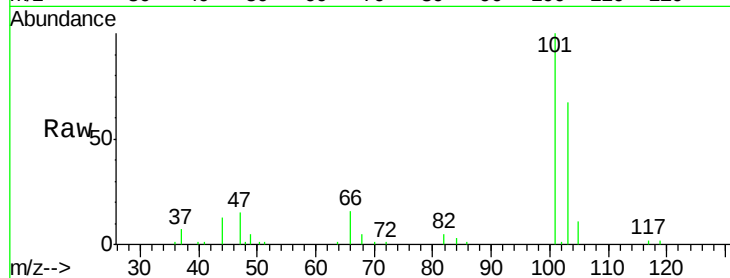
#7

Trichlorofluoromethane
Concen: 2.096 ug/l
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU039713.D
Acq: 29 Jul 2020 19:54

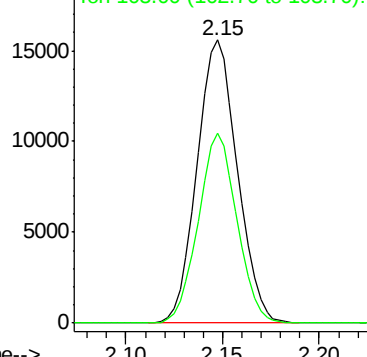
Instrument :
MSVOA_U
ClientSampleId :
VU0729WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.2	48.8	73.2

Manual Integrations
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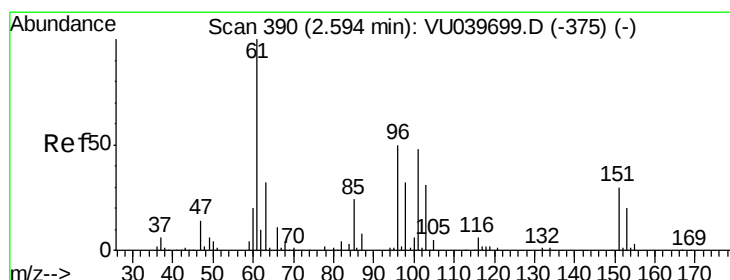
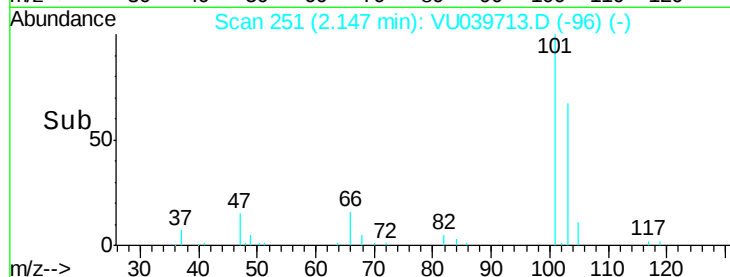


Abundance Ion 101.00 (100.70 to 101.70): V
Ion 103.00 (102.70 to 103.70): V



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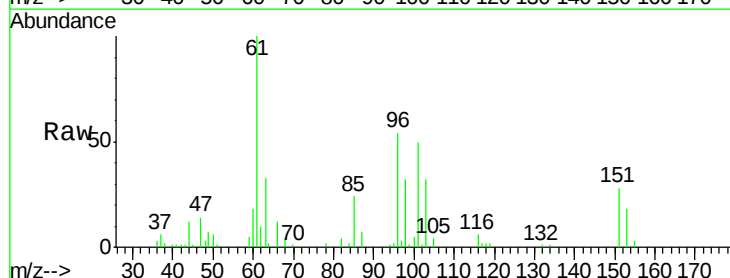
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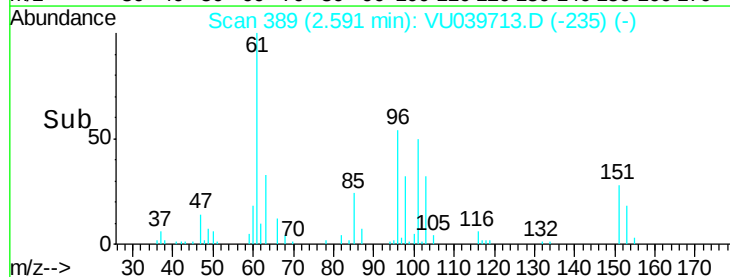
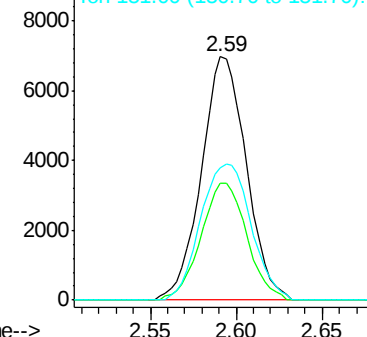
#8

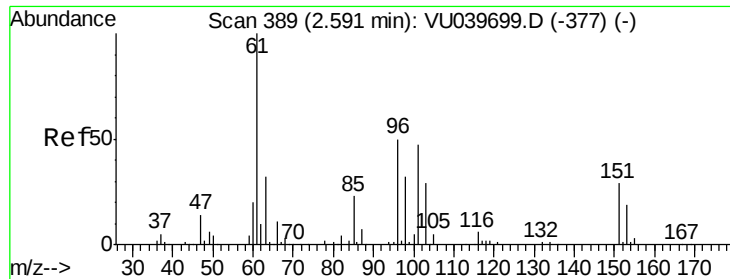
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.042 ug/l
RT: 2.59 min Scan# 389
Delta R.T. -0.00 min
Lab File: VU039713.D
Acq: 29 Jul 2020 19:54

Tgt Ion	Ratio	Lower	Upper
101	100		
85	49.0	39.9	59.9
151	62.8	51.0	76.4



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VU
Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 2.023 ug/l

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039713.D

Acq: 29 Jul 2020 19:54

Instrument :

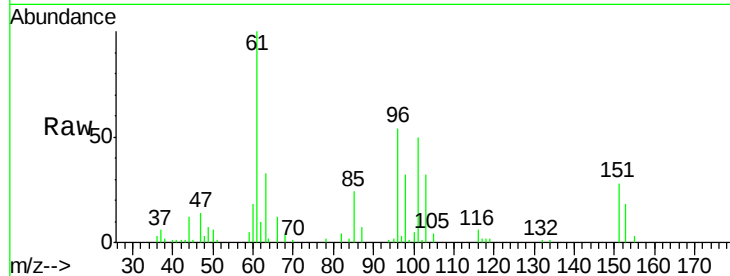
MSVOA_U

ClientSampleId :

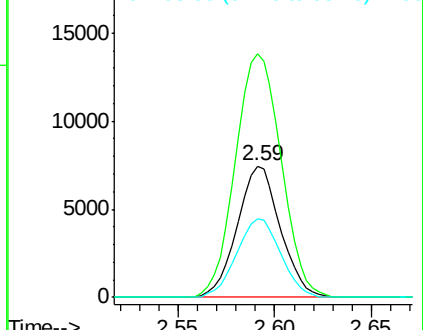
VU0729WBS01

Tot Ion:	96	Resp:	11514
Ion	Ratio	Lower	Upper
96	100		
61	185.1	0.0	604.5
98	59.9	0.0	127.2

Manual Integrations
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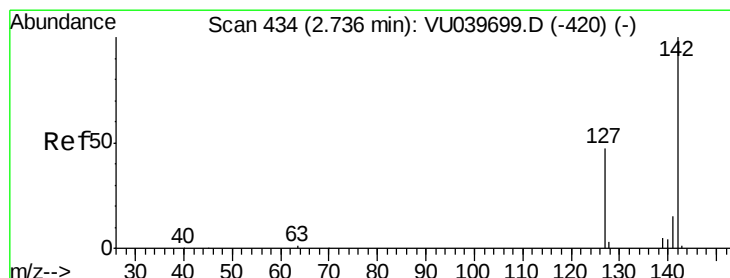
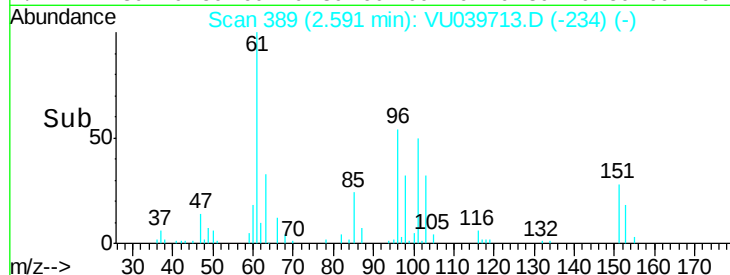


Abundance Ion 96.00 (95.70 to 96.70): VU039713.D (-234) (-)



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#10

Iodomethane

Concen: 2.273 ug/l

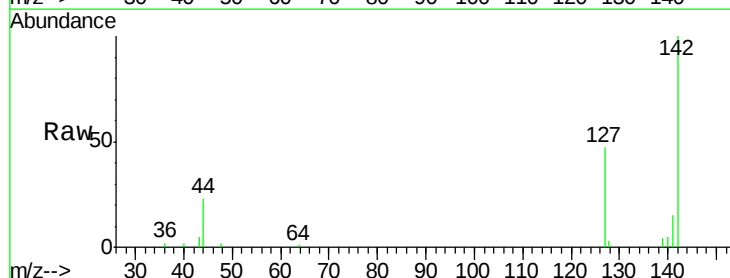
RT: 2.73 min Scan# 433

Delta R.T. -0.00 min

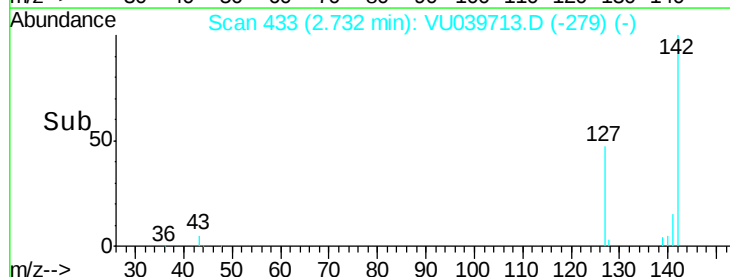
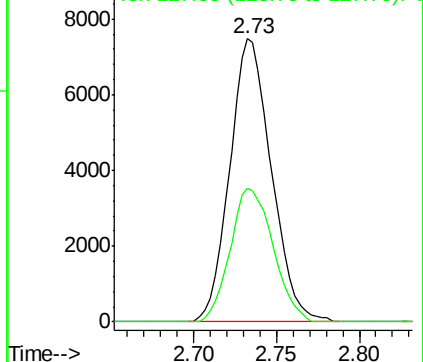
Lab File: VU039713.D

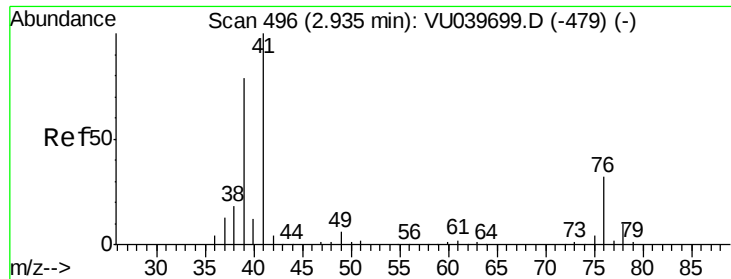
Acq: 29 Jul 2020 19:54

Tgt Ion:	142	Resp:	13046
Ion	Ratio	Lower	Upper
142	100		
127	48.4	38.4	57.6



Abundance Ion 142.00 (141.70 to 142.70): VU039713.D (-279) (-)



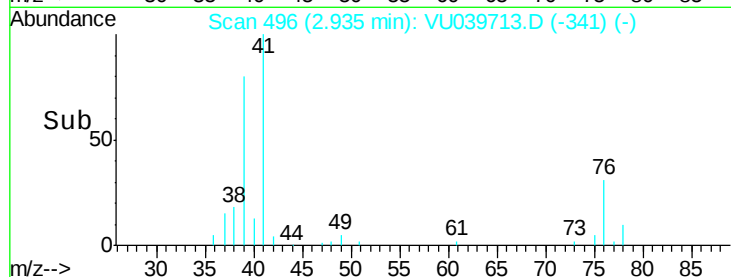
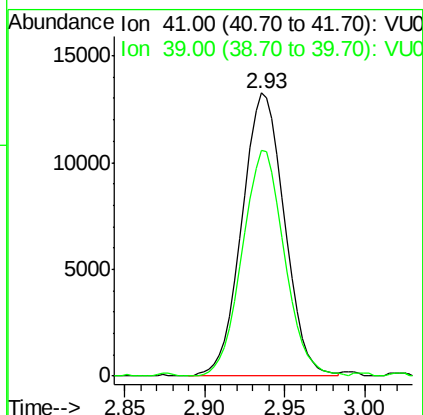
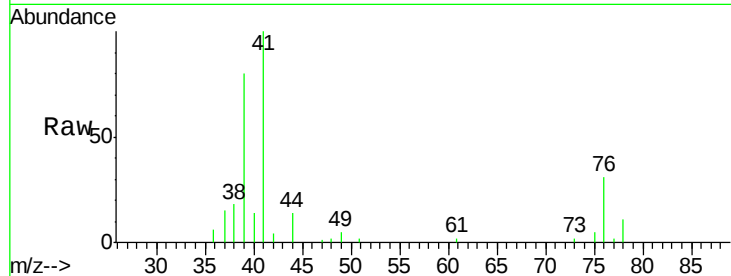


#11
Allvl Chloride
Concen: 1.964 ug/l
RT: 2.93 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU039713.D
Acq: 29 Jul 2020 19:54

Instrument :
MSVOA_U
ClientSampleId :
VU0729WBS01

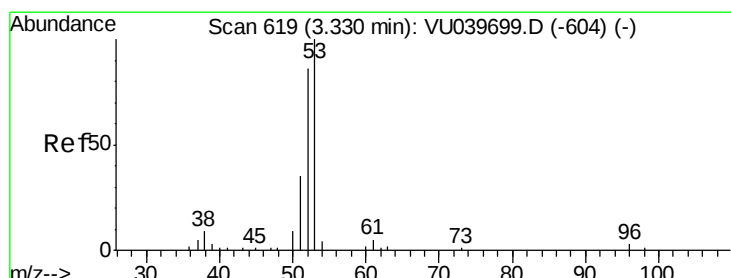
Tot Ion: 41 Resp: 24105
Ion Ratio Lower Upper
41 100
39 79.2 64.2 96.2

Manual Integrations
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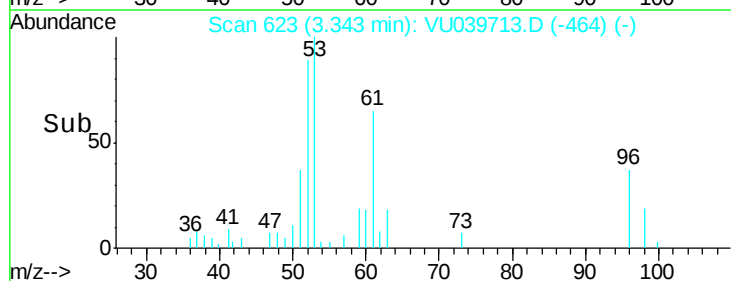
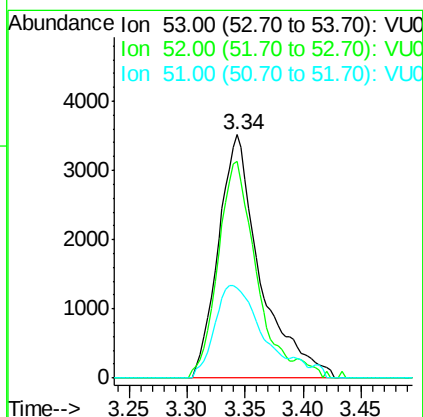
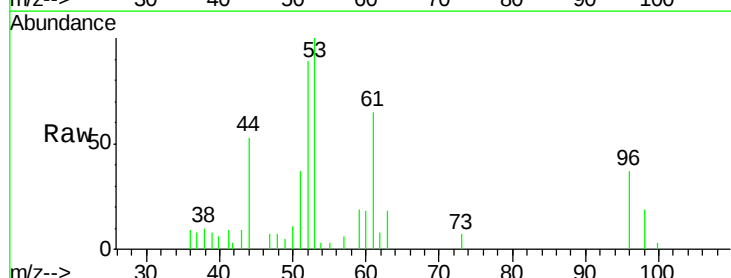
MMDadoda

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#12
Acrylonitrile
Concen: 4.403 ug/l
RT: 3.34 min Scan# 623
Delta R.T. 0.01 min
Lab File: VU039713.D
Acq: 29 Jul 2020 19:54

Tgt Ion: 53 Resp: 8796
Ion Ratio Lower Upper
53 100
52 79.8 69.1 103.7
51 44.6 29.4 44.2#



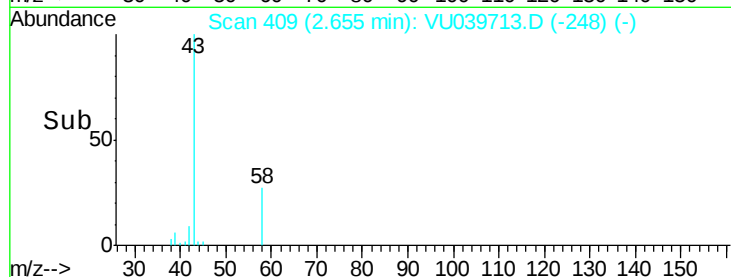
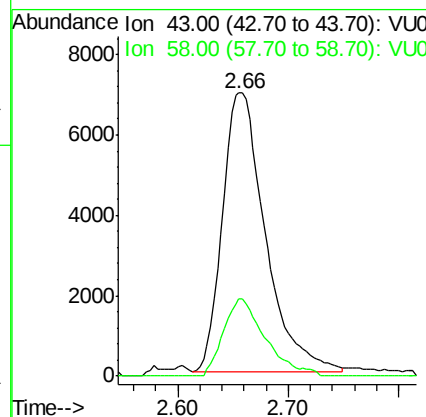
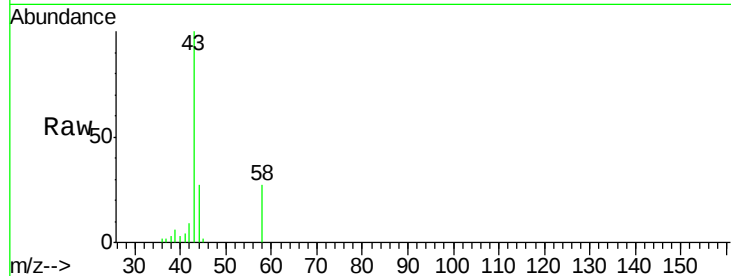


#13
Acetone
Concen: 9.939 ug/l
RT: 2.66 min Scan# 409
Delta R.T. 0.02 min
Lab File: VU039713.D
Acq: 29 Jul 2020 19:54

Instrument :
MSVOA_U
ClientSampleId :
VU0729WBS01

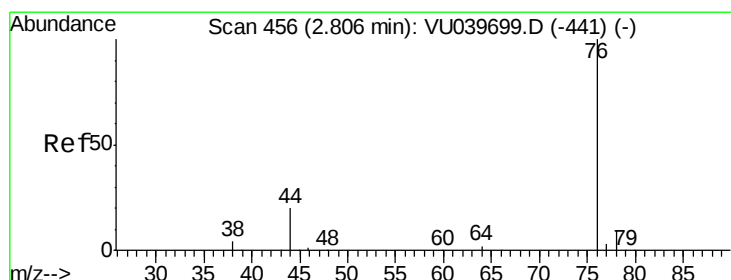
Tot Ion: 43 Resp: 18680
Ion Ratio Lower Upper
43 100
58 27.8 21.8 32.6

Manual Integrations
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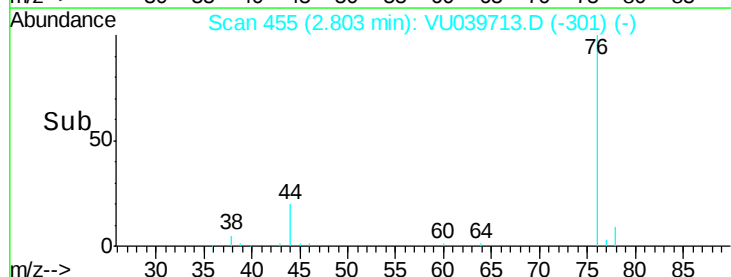
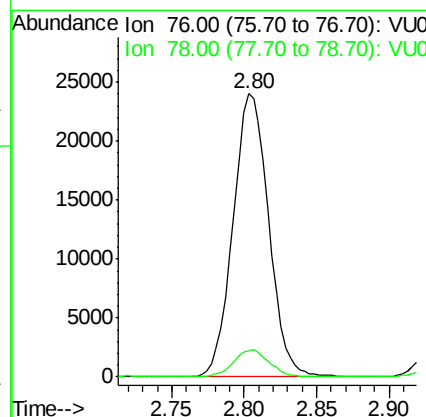
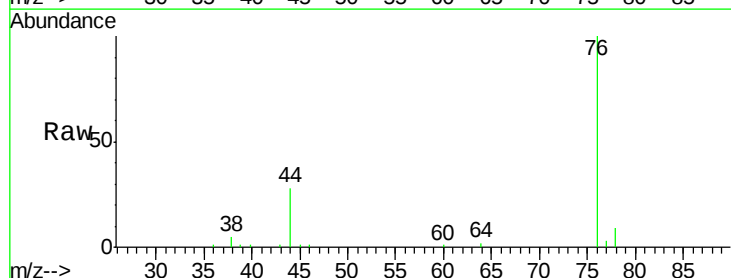
MMDadoda

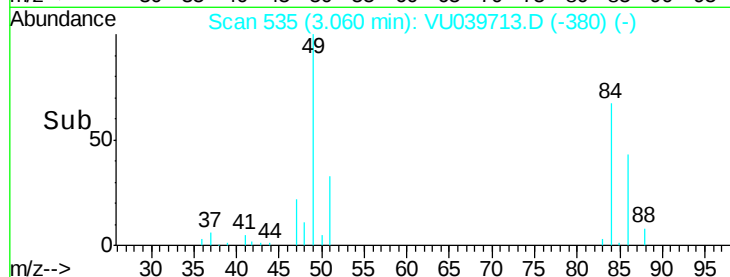
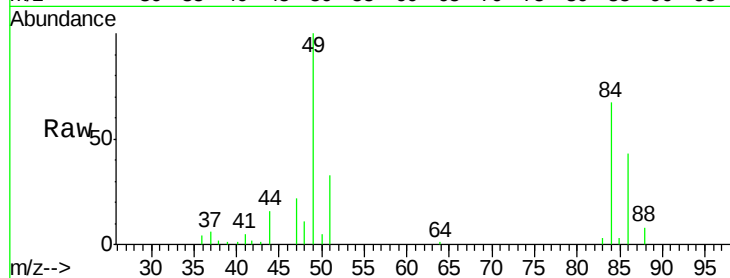
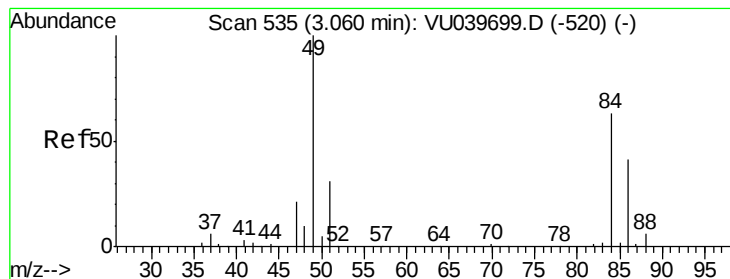
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#14
Carbon Disulfide
Concen: 1.959 ug/l
RT: 2.80 min Scan# 455
Delta R.T. -0.00 min
Lab File: VU039713.D
Acq: 29 Jul 2020 19:54

Tgt Ion: 76 Resp: 40881
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.6





#15

Methylene Chloride

Concen: 1.924 ug/l

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

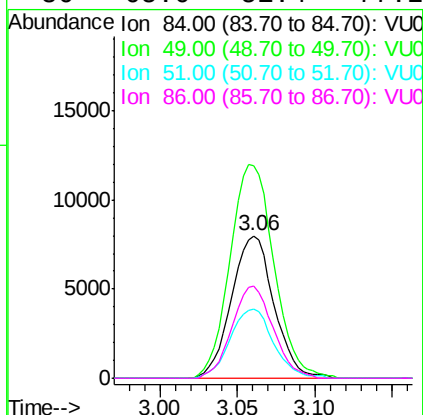
Lab File: VU039713.D

Acq: 29 Jul 2020 19:54

Tot Ion:	84	Resp:	15266
Ion	Ratio	Lower	Upper
84	100		
49	149.7	126.8	190.2
51	48.9	0.0	97.2
86	65.0	51.4	77.2

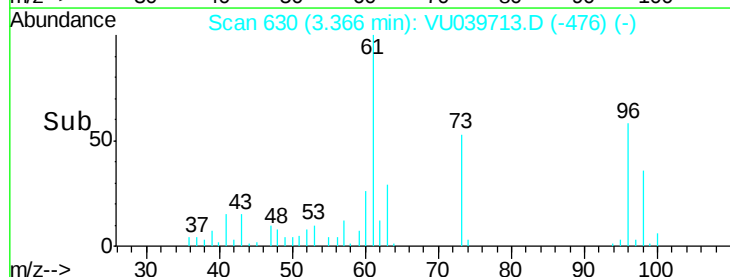
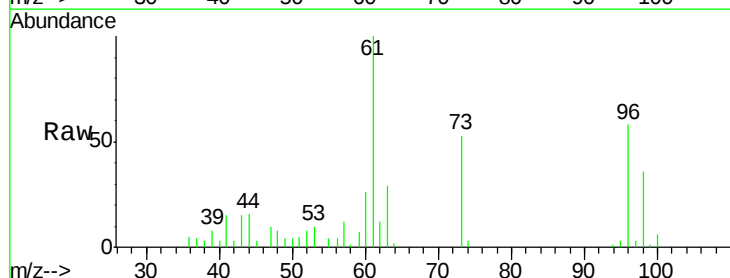
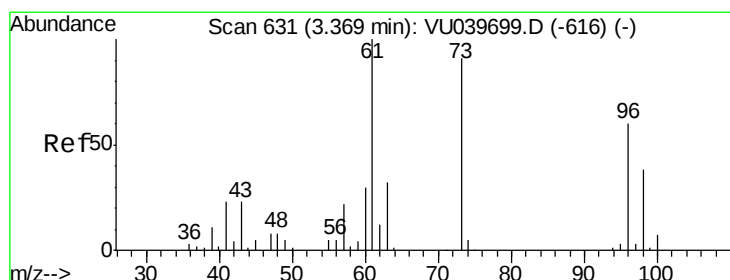
Instrument :
MSVOA_U
ClientSampleId :
VU0729WBS01

Manual Integrations
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#16

trans-1,2-Dichloroethene

Concen: 2.002 ug/l

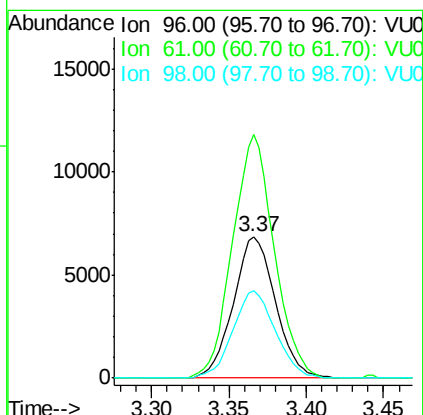
RT: 3.37 min Scan# 630

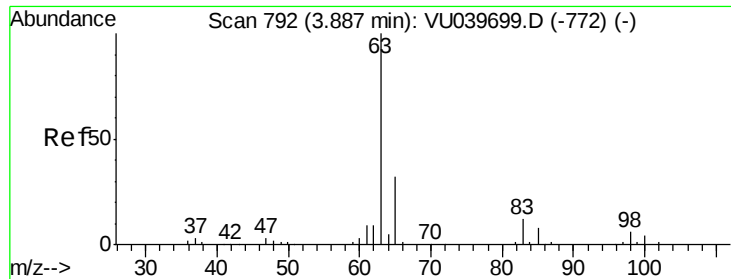
Delta R.T. -0.00 min

Lab File: VU039713.D

Acq: 29 Jul 2020 19:54

Tgt Ion:	96	Resp:	12955
Ion	Ratio	Lower	Upper
96	100		
61	172.4	132.6	199.0
98	61.8	50.2	75.2



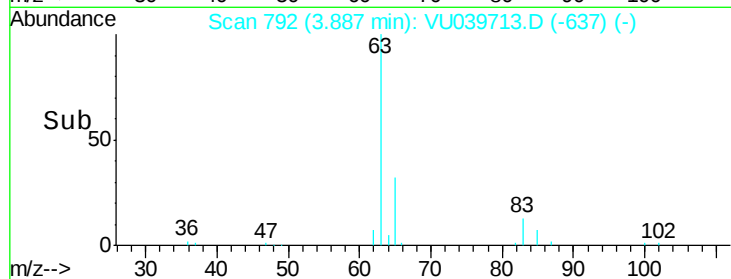
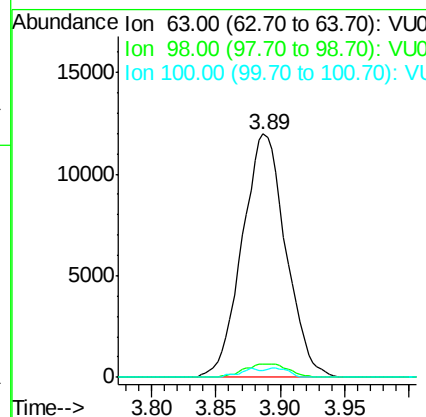
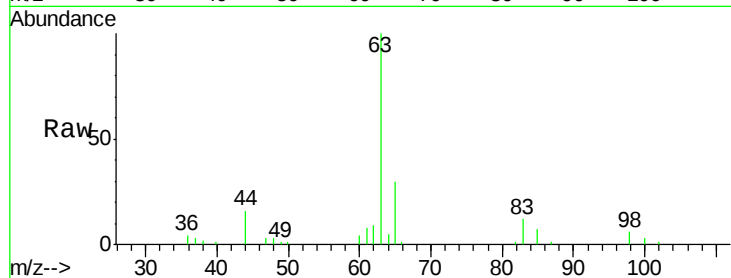


#17
 1,1-Dichloroethane
 Concen: 1.987 ug/l
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU039713.D
 Acq: 29 Jul 2020 19:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0729WBS01

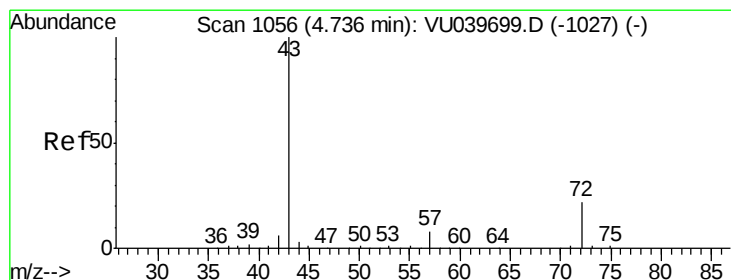
Tot Ion:	63	Resp:	28234
Ion	Ratio	Lower	Upper
63	100		
98	5.6	2.9	8.7
100	2.7	2.0	6.0

Manual Integrations
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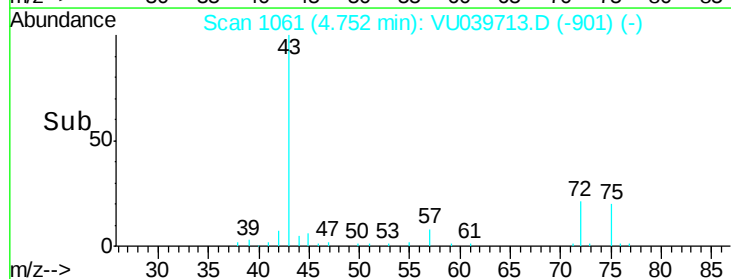
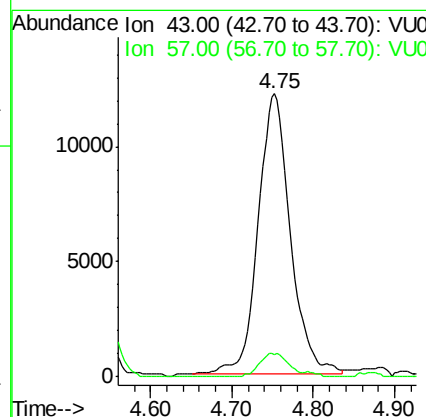
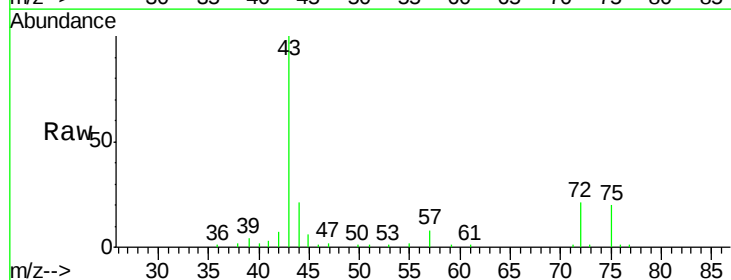
MMDadoda

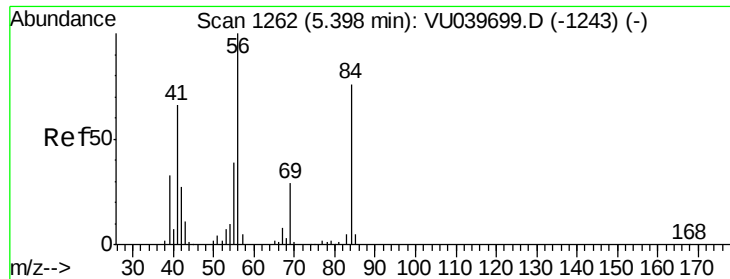
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#18
 2-Butanone
 Concen: 10.580 ug/l
 RT: 4.75 min Scan# 1061
 Delta R.T. 0.02 min
 Lab File: VU039713.D
 Acq: 29 Jul 2020 19:54

Tgt Ion:	43	Resp:	33439
Ion	Ratio	Lower	Upper
43	100		
57	8.2	0.0	15.2



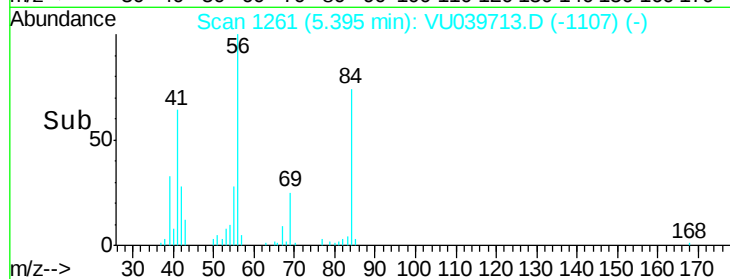
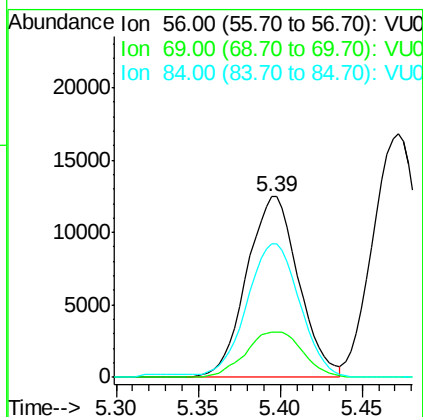
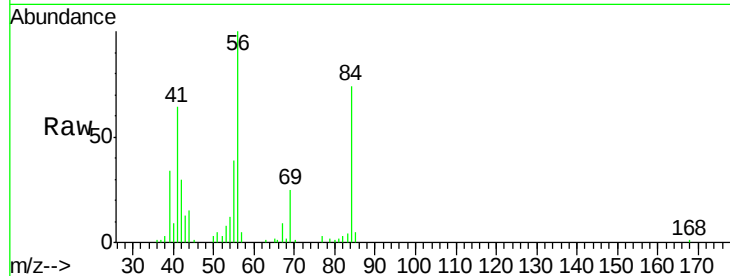


#19
Cyclohexane
Concen: 2.000 ug/l m
RT: 5.39 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VU039713.D
Acq: 29 Jul 2020 19:54

Instrument :
MSVOA_U
ClientSampleId :
VU0729WBS01

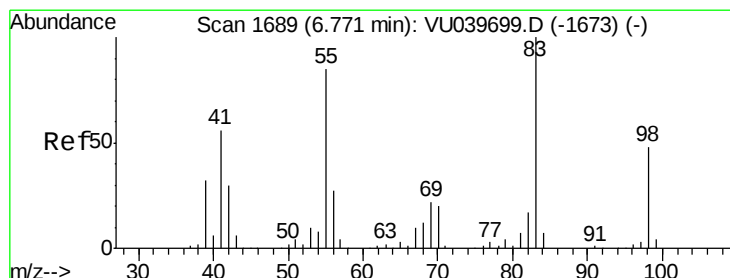
Tot Ion	Ratio	Lower	Upper
56	100		
69	27.5	22.8	34.2
84	73.7	59.9	89.9

Manual Integrations
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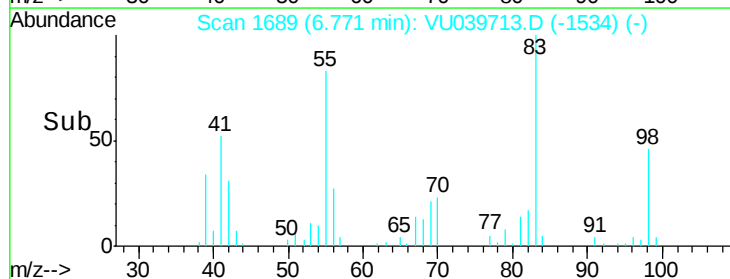
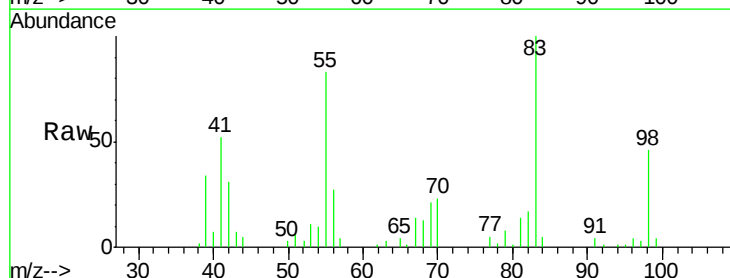
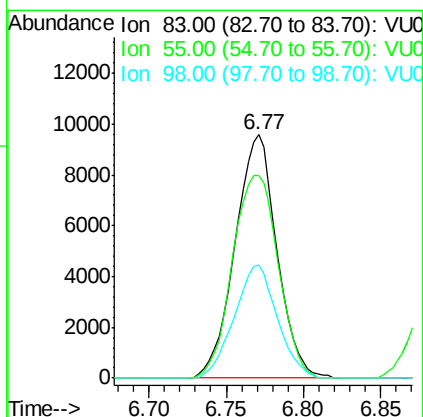
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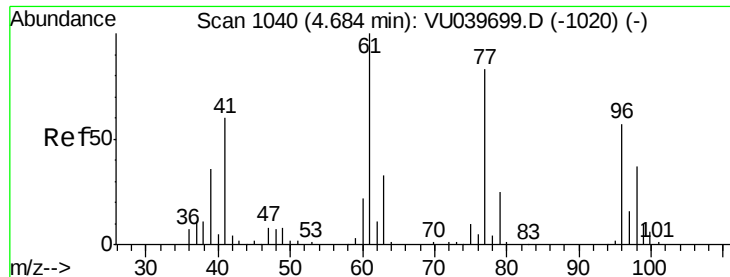
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#20
Methylcyclohexane
Concen: 1.766 ug/l
RT: 6.77 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VU039713.D
Acq: 29 Jul 2020 19:54

Tgt Ion	Ratio	Lower	Upper
83	100		
55	91.2	67.6	101.4
98	47.7	37.3	55.9



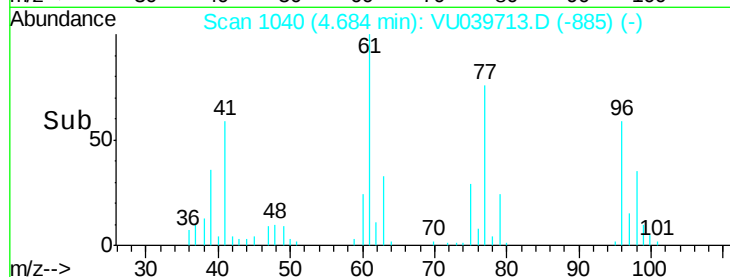
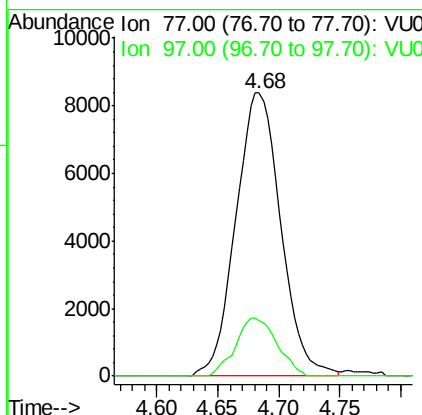
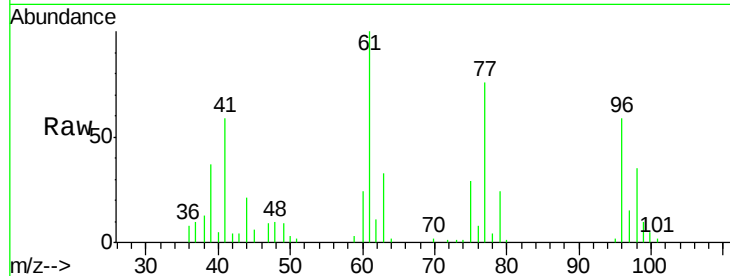


#21
 2,2-Dichloropropane
 Concen: 1.845 ug/l
 RT: 4.68 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: VU039713.D
 Acq: 29 Jul 2020 19:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0729WBS01

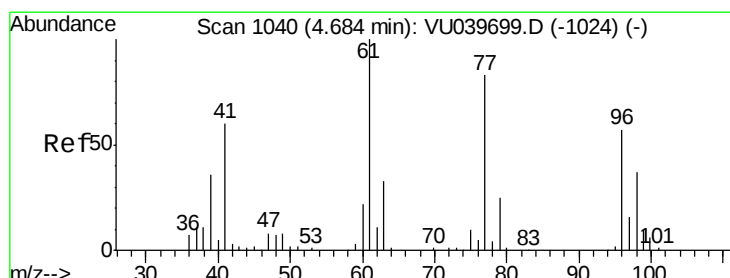
Tot Ion: 77 Resp: 21383
 Ion Ratio Lower Upper
 77 100
 97 19.0 15.2 22.8

Manual Integrations
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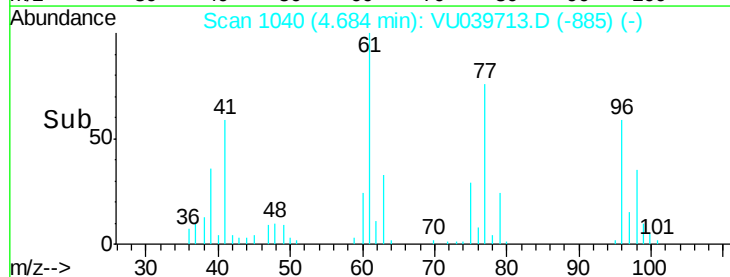
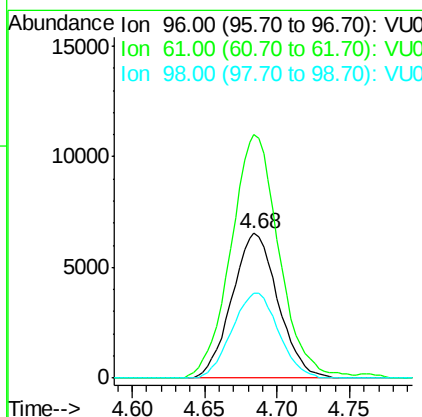
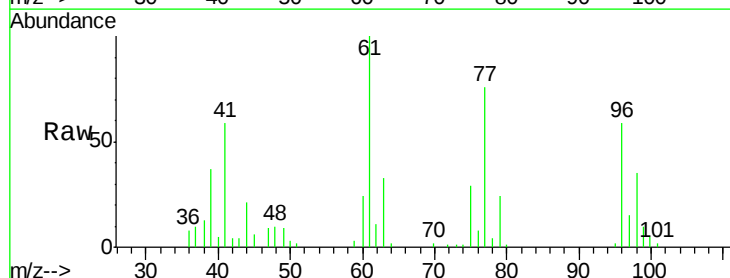
MMDadoda

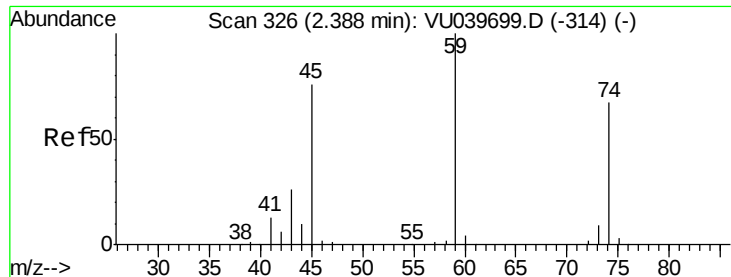
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#22
 cis-1,2-Dichloroethene
 Concen: 2.070 ug/l
 RT: 4.68 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: VU039713.D
 Acq: 29 Jul 2020 19:54

Tgt Ion: 96 Resp: 14433
 Ion Ratio Lower Upper
 96 100
 61 175.7 0.0 451.3
 98 59.2 32.6 98.0





#23

Diethyl Ether

Concen: 1.971 ug/l

RT: 2.39 min Scan# 326

Delta R.T. -0.00 min

Lab File: VU039713.D

Acq: 29 Jul 2020 19:54

Instrument :

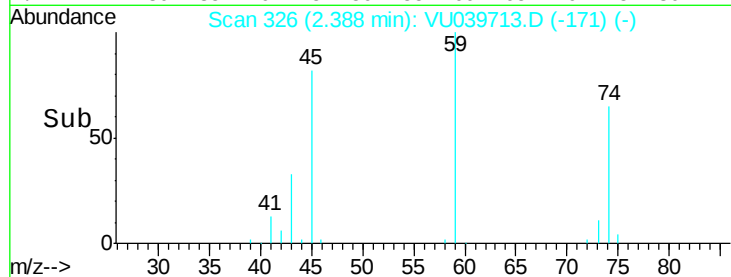
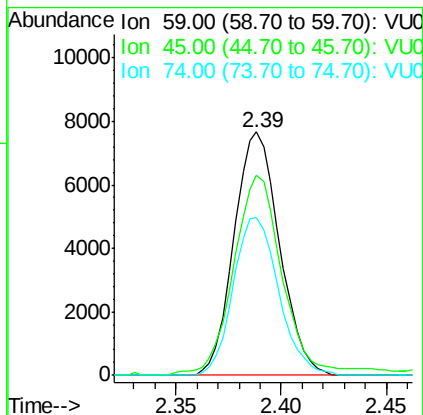
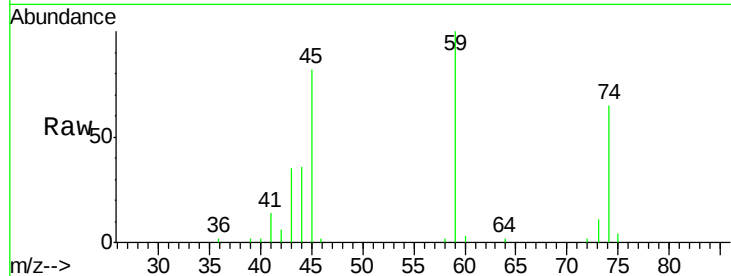
MSVOA_U

ClientSampleId :

VU0729WBS01

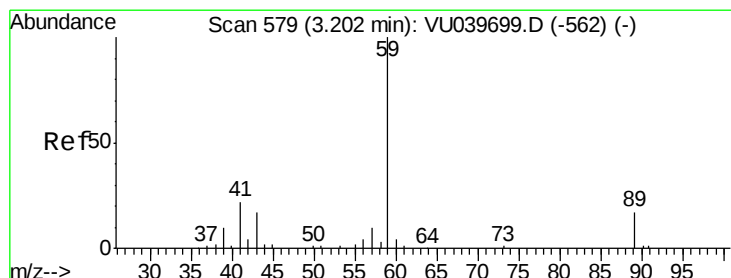
Tot Ion:	59	Resp:	11466
Ion	Ratio	Lower	Upper
59	100		
45	87.7	61.5	92.3
74	65.2	54.3	81.5

Manual Integrations
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#24

tert-Butyl Alcohol

Concen: 16.654 ug/l m

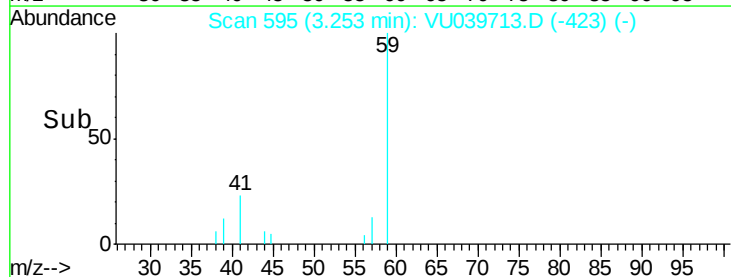
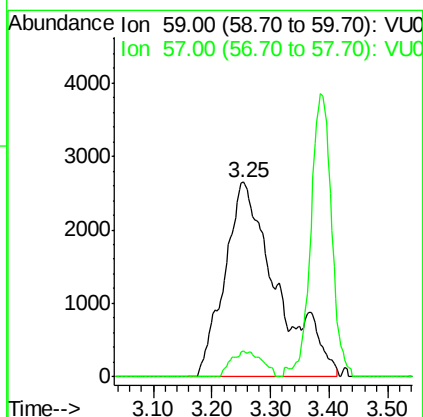
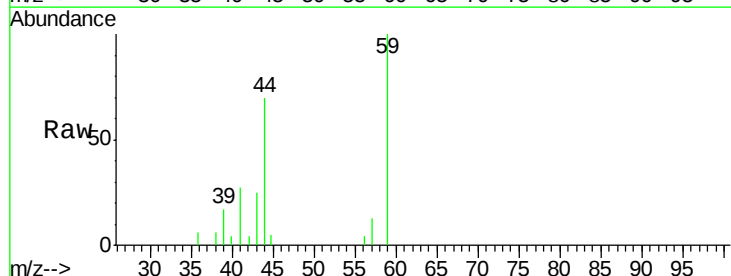
RT: 3.25 min Scan# 595

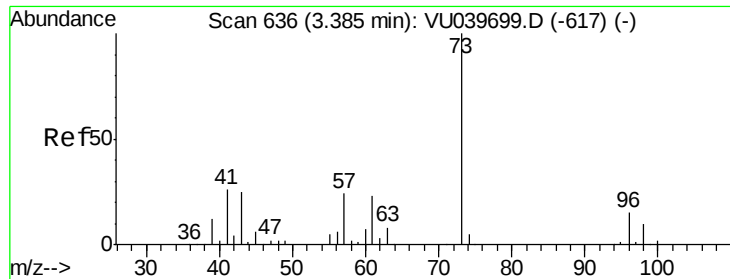
Delta R.T. 0.05 min

Lab File: VU039713.D

Acq: 29 Jul 2020 19:54

Tgt Ion:	59	Resp:	16348
Ion	Ratio	Lower	Upper
59	100		
57	5.6	7.8	11.6#



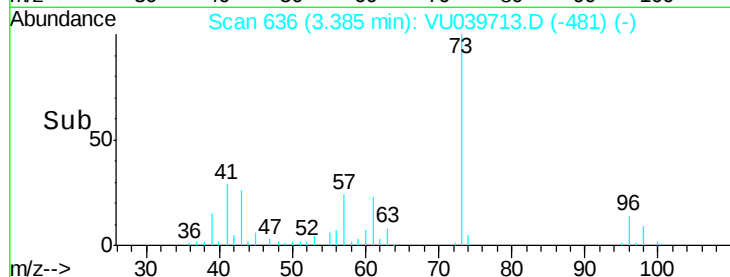
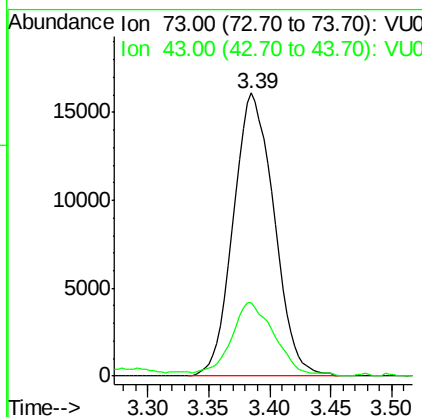
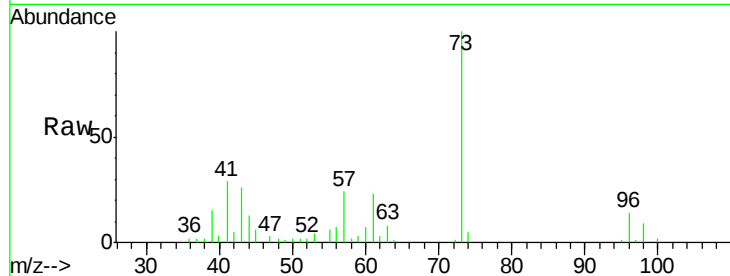


#25
Methvl tert-Butvl Ether
Concen: 2.005 ug/l
RT: 3.39 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU039713.D
Acq: 29 Jul 2020 19:54

Instrument :
MSVOA_U
ClientSampleId :
VU0729WBS01

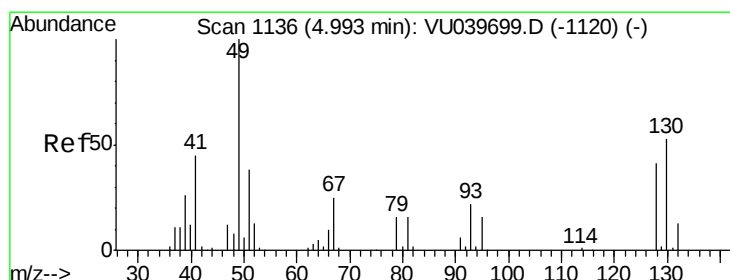
Tot Ion: 73 Resp: 37233
Ion Ratio Lower Upper
73 100
43 25.5 20.1 30.1

Manual Integrations
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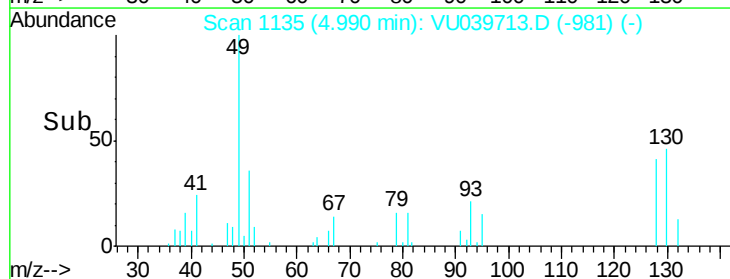
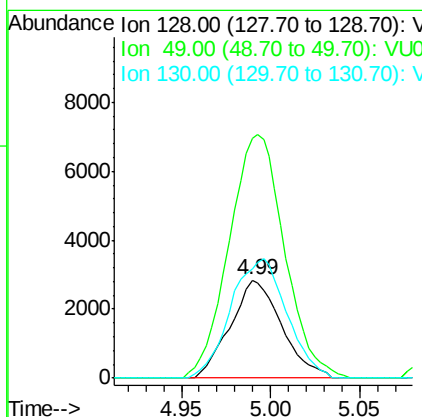
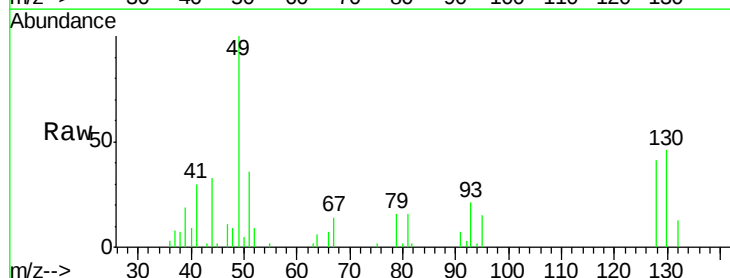
MMDadoda

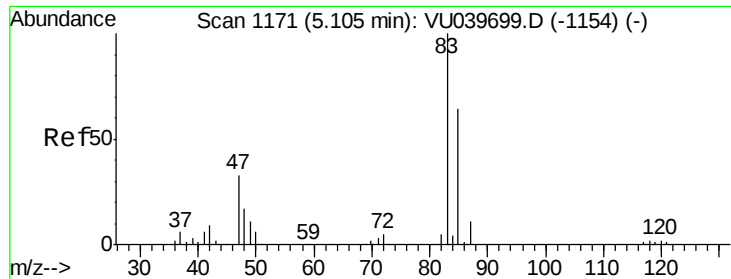
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#26
Bromochloromethane
Concen: 2.008 ug/l
RT: 4.99 min Scan# 1135
Delta R.T. -0.00 min
Lab File: VU039713.D
Acq: 29 Jul 2020 19:54

Tgt Ion:128 Resp: 5730
Ion Ratio Lower Upper
128 100
49 267.0 0.0 503.8
130 132.2 102.7 154.1



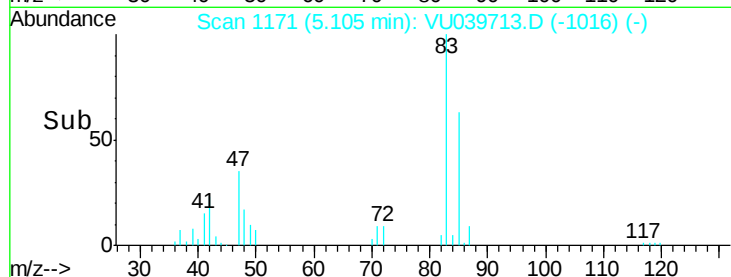
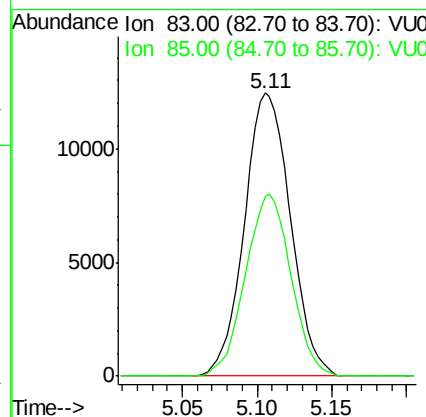
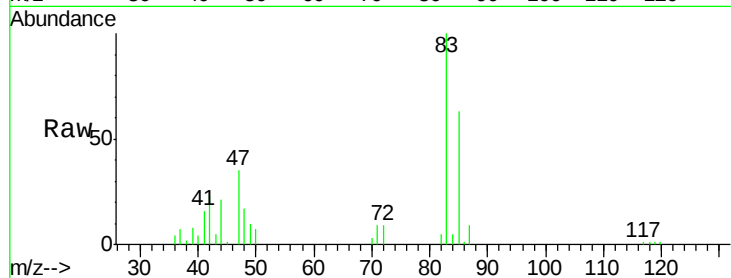


#27
Chloroform
Concen: 2.007 ug/l
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU039713.D
Acq: 29 Jul 2020 19:54

Instrument :
MSVOA_U
ClientSampleId :
VU0729WBS01

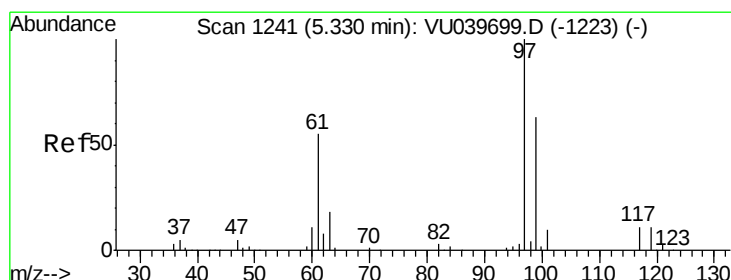
Tot Ion	83	Resp	26684
Ion Ratio	100	Lower	Upper
85	63.3	0.0	128.8

Manual Integrations
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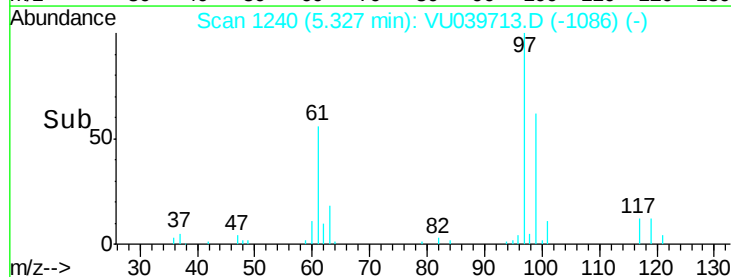
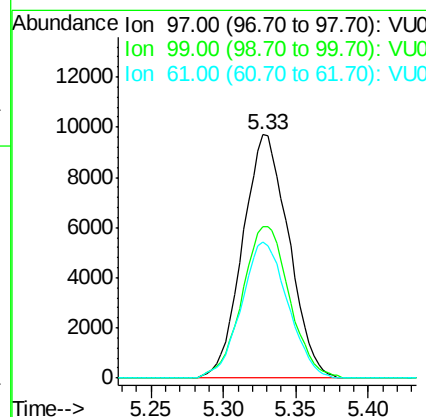
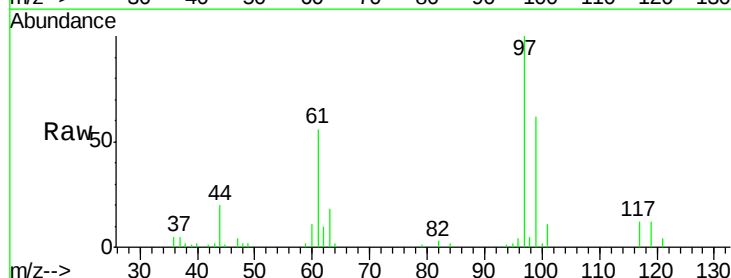
MMDadoda

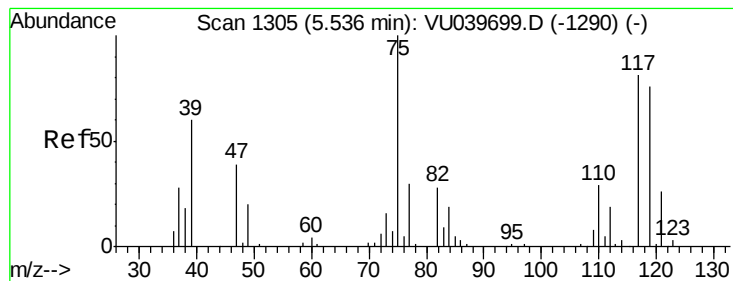
7/31/2020 3:42:08 PM



#28
1,1,1-Trichloroethane
Concen: 1.992 ug/l
RT: 5.33 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VU039713.D
Acq: 29 Jul 2020 19:54

Tgt Ion	97	Resp	21431
Ion Ratio	100	Lower	Upper
99	64.0	32.2	96.6
61	56.4	28.3	85.0





#29

1,1-Dichloropropene

Concen: 2.071 ug/l

RT: 5.54 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VU039713.D

Acq: 29 Jul 2020 19:54

Instrument :

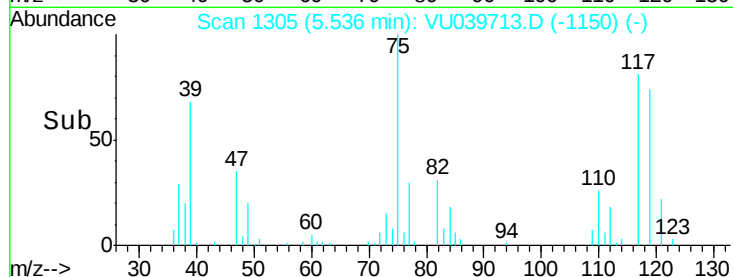
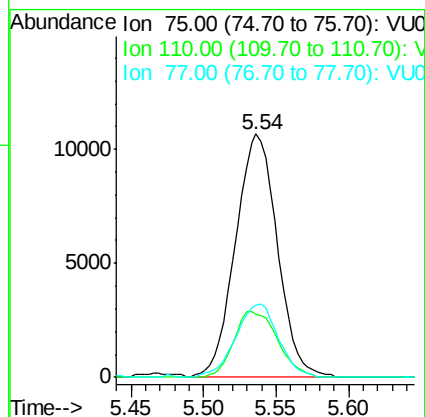
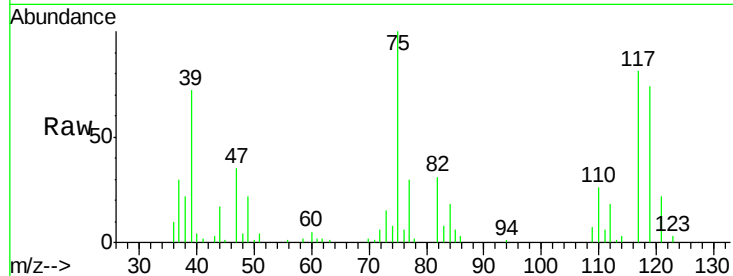
MSVOA_U

ClientSampleId :

VU0729WBS01

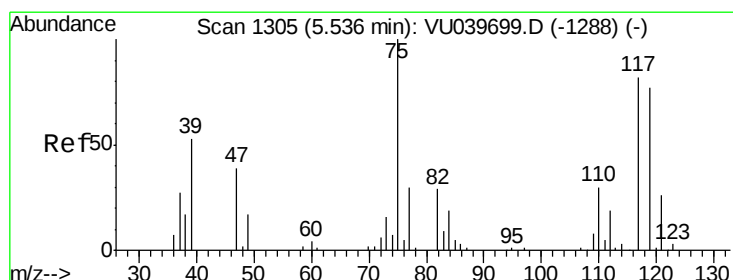
Tot Ion:	75	Resp:	21453
Ion	Ratio	Lower	Upper
75	100		
110	28.2	14.6	44.0
77	30.8	25.0	37.4

Manual Integrations
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#30

Carbon Tetrachloride

Concen: 2.073 ug/l

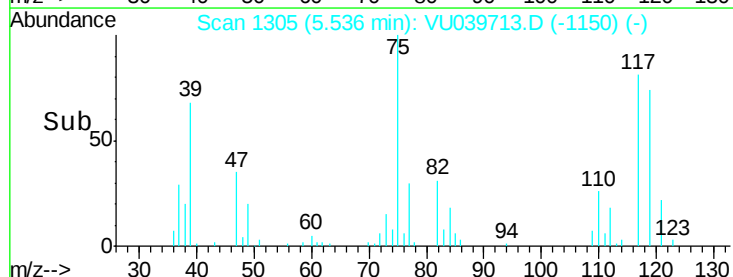
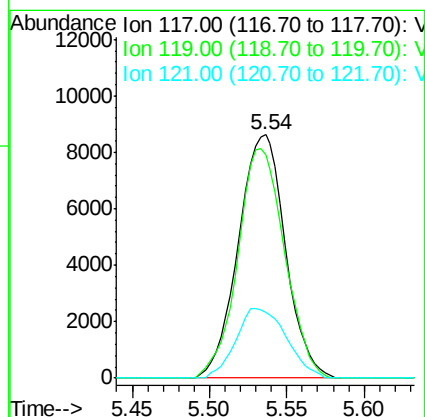
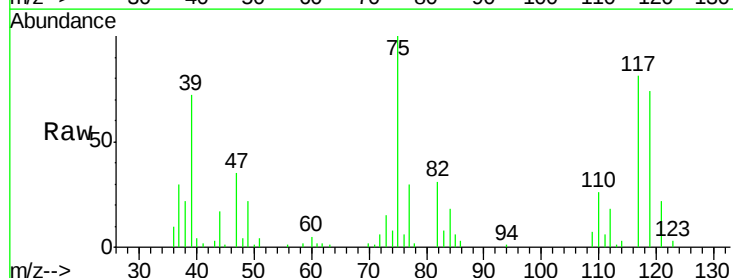
RT: 5.54 min Scan# 1305

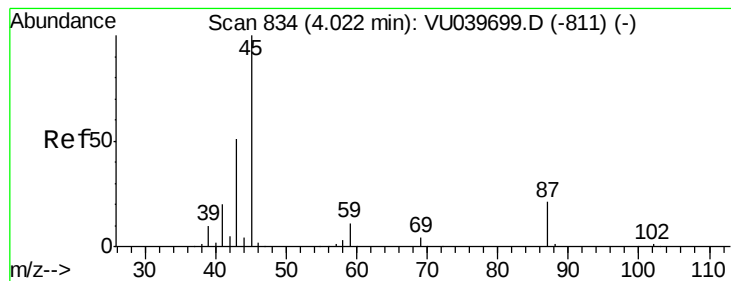
Delta R.T. -0.00 min

Lab File: VU039713.D

Acq: 29 Jul 2020 19:54

Tgt Ion:	117	Resp:	18233
Ion	Ratio	Lower	Upper
117	100		
119	91.5	75.2	112.8
121	27.1	25.4	38.2





#31

Isopropyl Ether

Concen: 2.028 ug/l

RT: 4.02 min Scan# 834

Delta R.T. -0.00 min

Lab File: VU039713.D

Acq: 29 Jul 2020 19:54

Instrument :

MSVOA_U

ClientSampleId :

VU0729WBS01

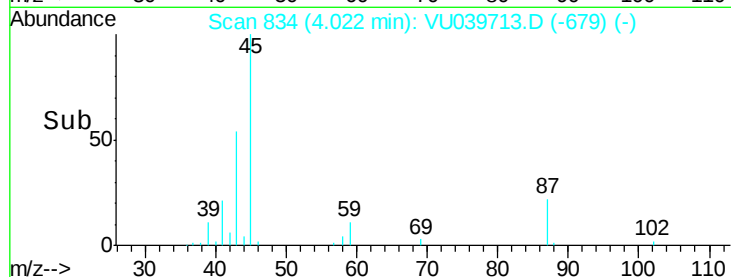
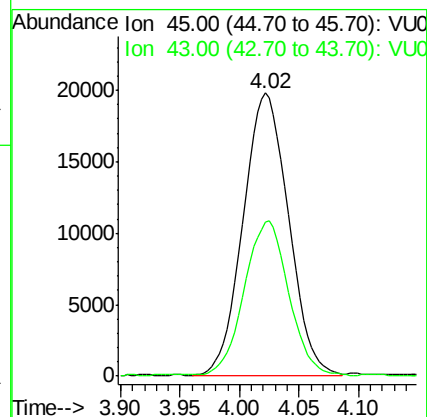
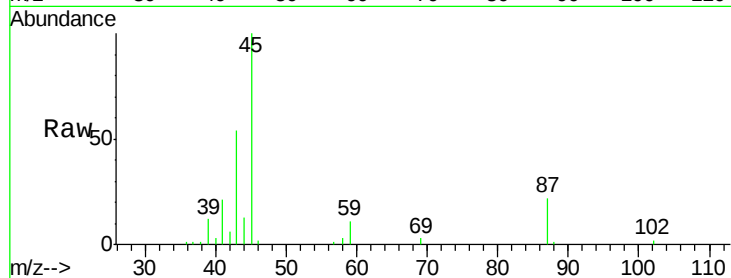
Tot Ion: 45 Resp: 52541

Ion Ratio Lower Upper

45 100

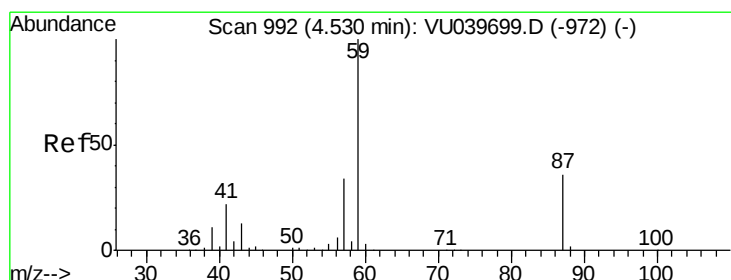
43 54.1 26.5 79.4

Manual Integrations
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#32

Ethyl-t-butyl ether

Concen: 2.004 ug/l

RT: 4.53 min Scan# 993

Delta R.T. 0.00 min

Lab File: VU039713.D

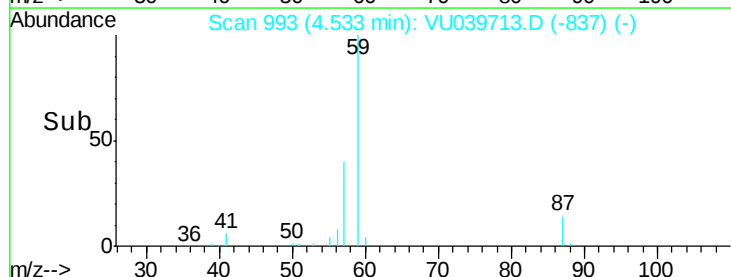
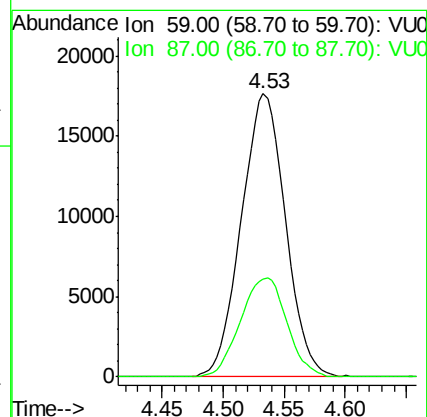
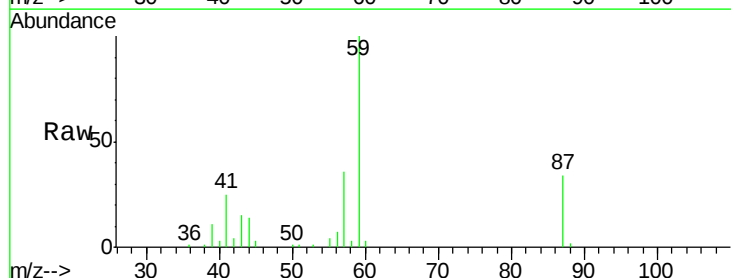
Acq: 29 Jul 2020 19:54

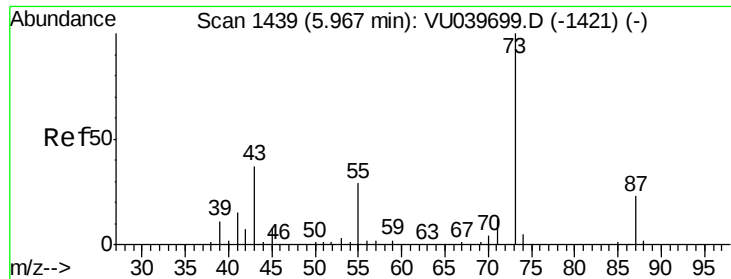
Tgt Ion: 59 Resp: 44196

Ion Ratio Lower Upper

59 100

87 36.7 29.4 44.0



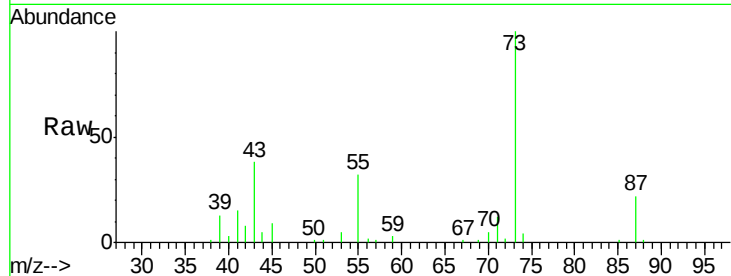


#33
Tert-Butyl methyl ether
Concen: 1.863 ug/l
RT: 5.97 min Scan# 1439
Delta R.T. -0.00 min
Lab File: VU039713.D
Acq: 29 Jul 2020 19:54

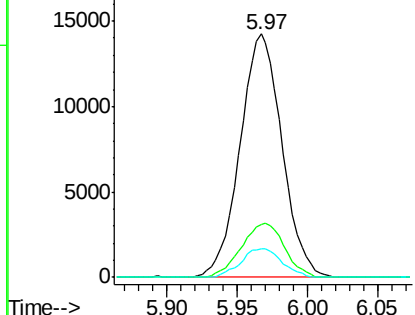
Instrument :
MSVOA_U
ClientSampleId :
VU0729WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
87	22.9	18.7	28.1
71	11.4	9.1	13.7

Manual Integrations
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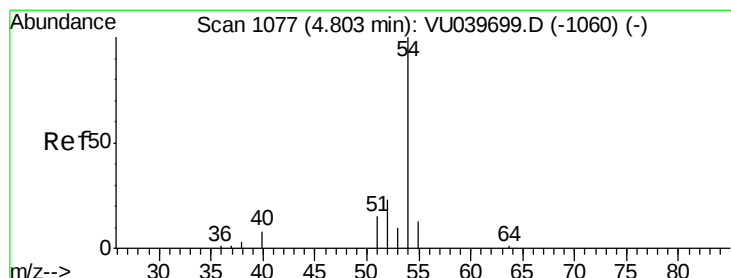
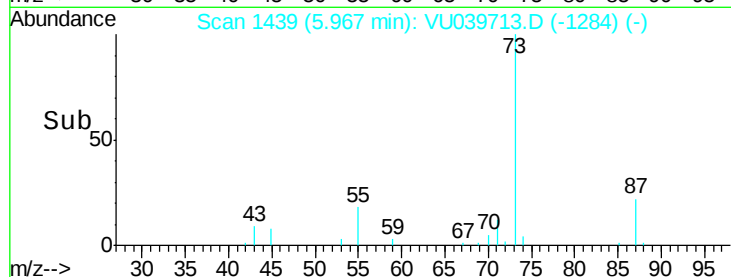


Abundance Ion 73.00 (72.70 to 73.70): VU039699.D (-1421) (-)
Ion 87.00 (86.70 to 87.70): VU039699.D (-1421) (-)
Ion 71.00 (70.70 to 71.70): VU039699.D (-1421) (-)



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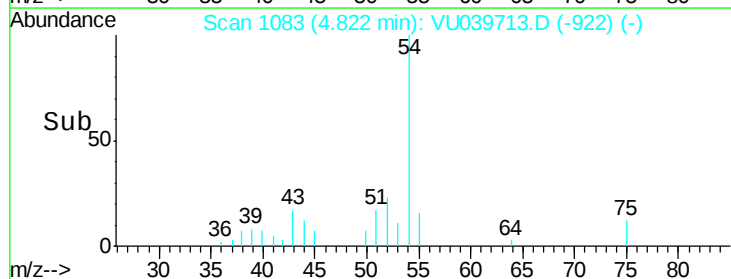
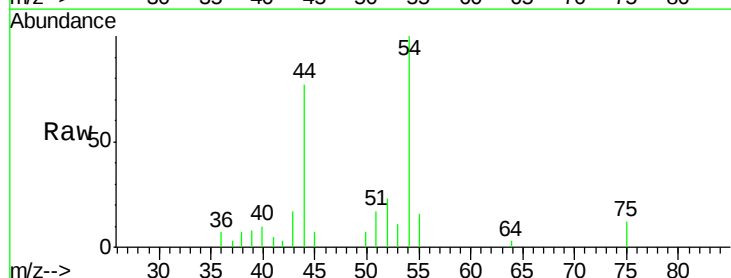
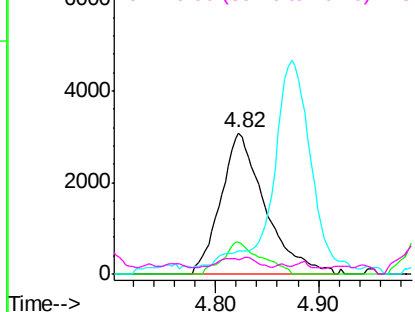
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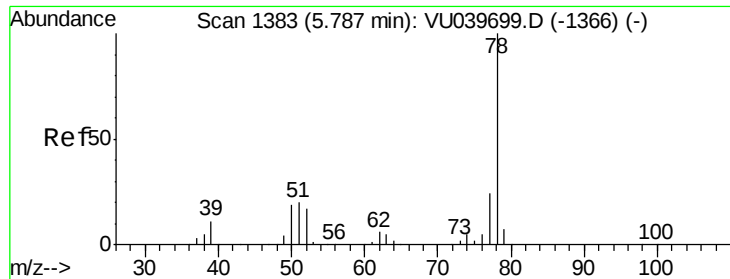


#34
Propionitrile
Concen: 11.773 ug/l
RT: 4.82 min Scan# 1083
Delta R.T. 0.02 min
Lab File: VU039713.D
Acq: 29 Jul 2020 19:54

Tgt Ion	Ratio	Lower	Upper
54	100		
52	19.3	16.9	25.3
55	0.0	12.9	19.3#
40	3.1	6.2	9.2#

Abundance Ion 54.00 (53.70 to 54.70): VU039699.D (-1060) (-)
Ion 52.00 (51.70 to 52.70): VU039699.D (-1060) (-)
Ion 55.00 (54.70 to 55.70): VU039699.D (-1060) (-)
Ion 40.00 (39.70 to 40.70): VU039699.D (-1060) (-)



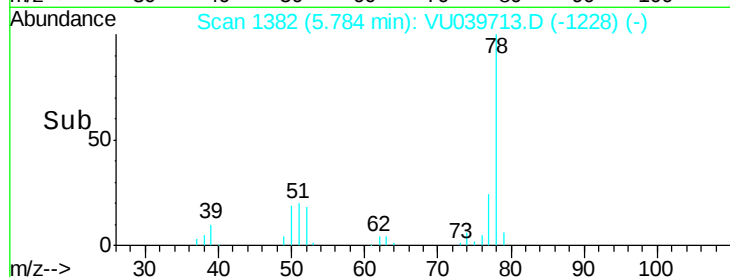
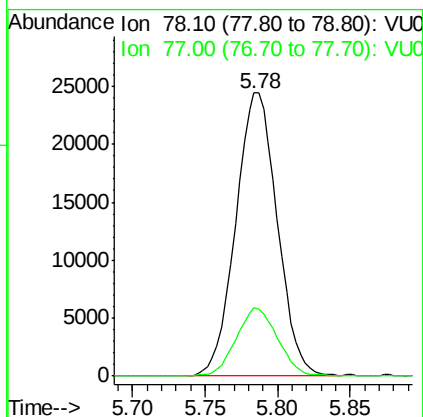
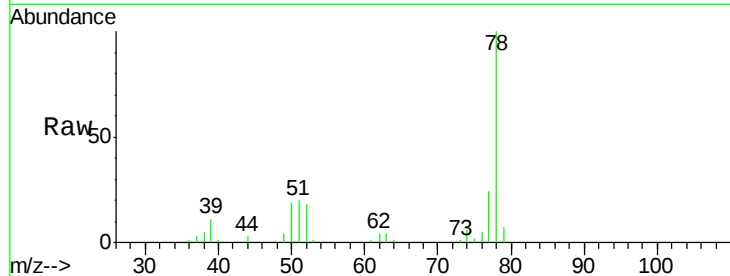


#35
Benzene
Concen: 1.897 ug/l
RT: 5.78 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VU039713.D
Acq: 29 Jul 2020 19:54

Instrument :
MSVOA_U
ClientSampleId :
VU0729WBS01

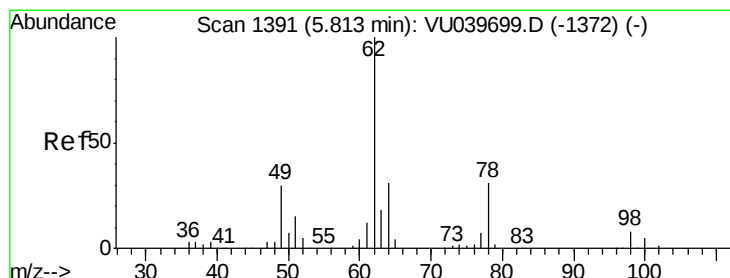
Tot Ion: 78 Resp: 48609
Ion Ratio Lower Upper
78 100
77 24.1 19.2 28.8

Manual Integrations
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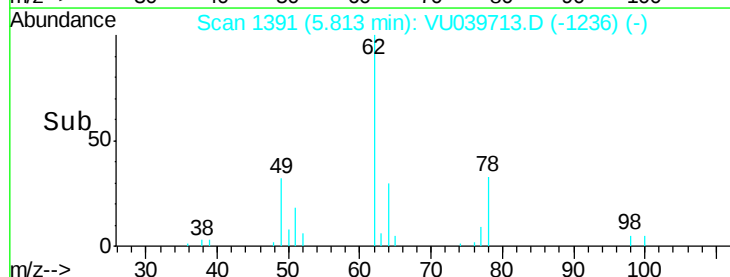
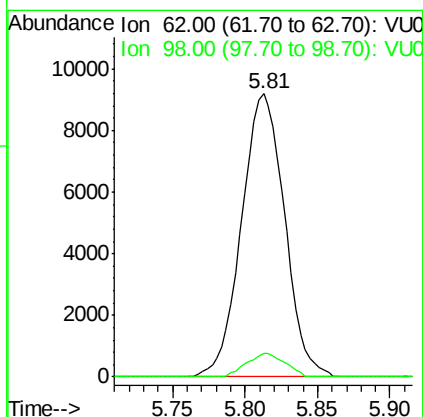
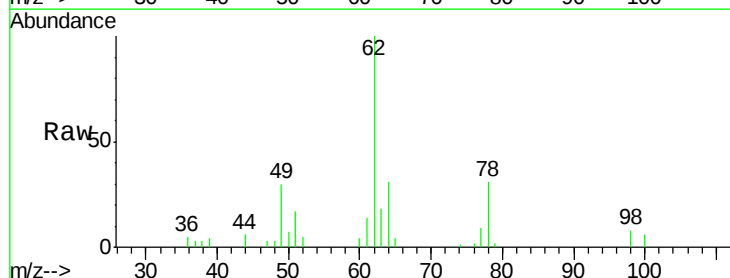
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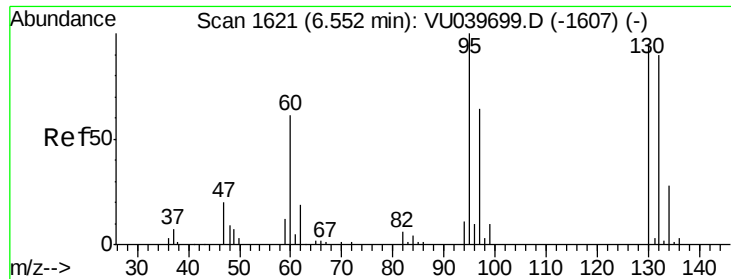
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#36
1,2-Dichloroethane
Concen: 1.976 ug/l
RT: 5.81 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VU039713.D
Acq: 29 Jul 2020 19:54

Tgt Ion: 62 Resp: 18984
Ion Ratio Lower Upper
62 100
98 7.3 6.2 9.2



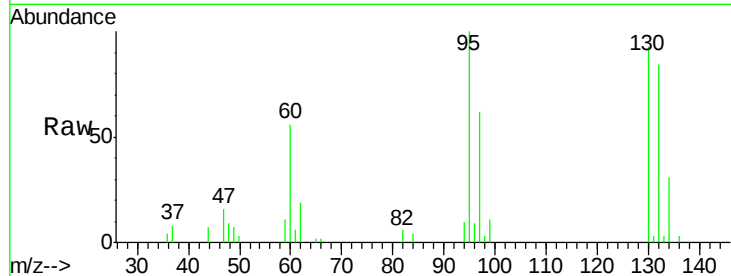


#37
 Trichloroethene
 Concen: 1.926 ug/l
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU039713.D
 Acq: 29 Jul 2020 19:54

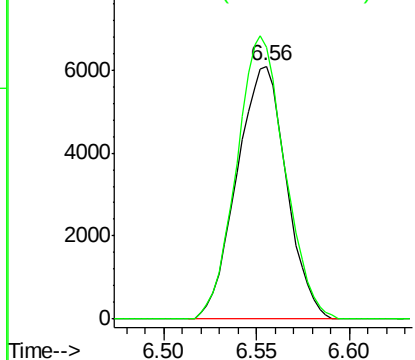
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0729WBS01

Tot Ion:130 Resp: 11292
 Ion Ratio Lower Upper
 130 100
 95 107.4 84.3 126.5

Manual Integrations
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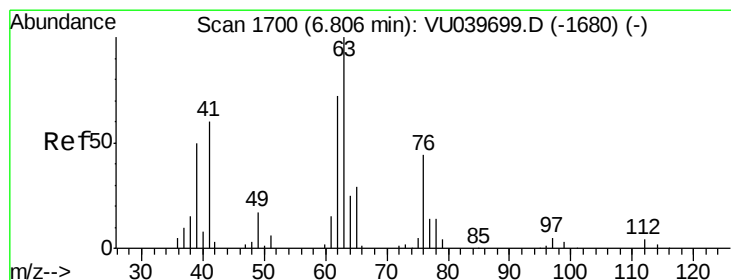
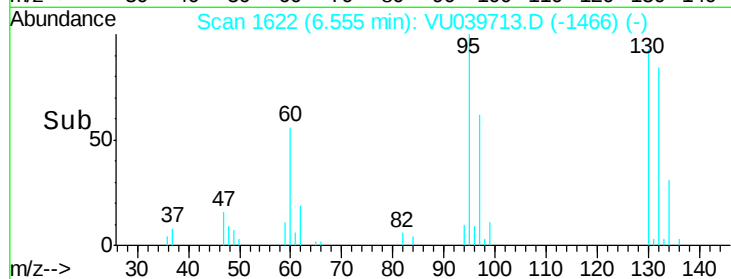


Abundance Ion 129.90 (129.60 to 130.60): VU039699.D (-1607) (-)
 Ion 94.90 (94.60 to 95.60): VU039699.D (-1607) (-)



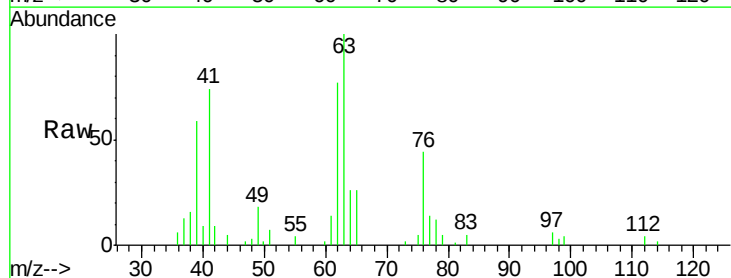
MMDadoda

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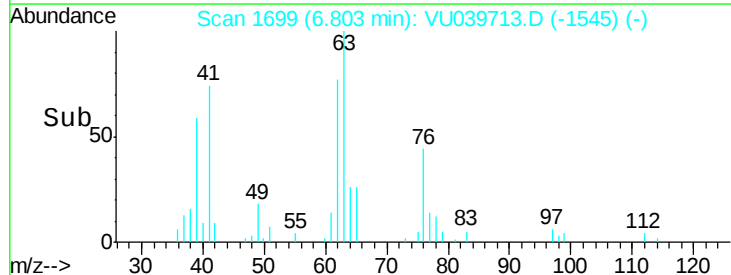
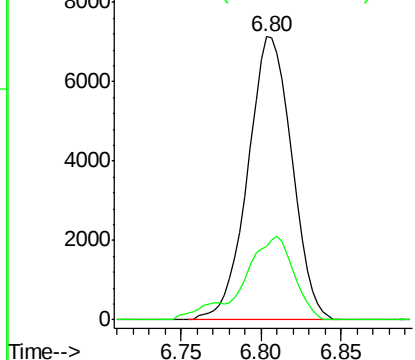


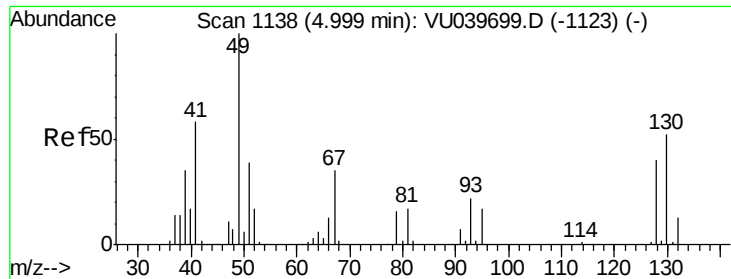
#38
 1,2-Dichloropropane
 Concen: 1.911 ug/l
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU039713.D
 Acq: 29 Jul 2020 19:54

Tgt Ion: 63 Resp: 13495
 Ion Ratio Lower Upper
 63 100
 65 26.1 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) (-)



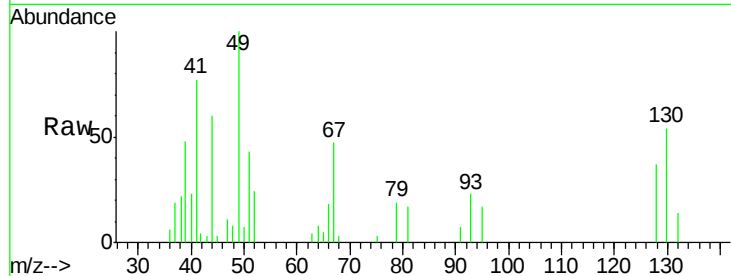


#39
Methacrylonitrile
Concen: 2.038 ug/l
RT: 5.01 min Scan# 1140
Delta R.T. 0.01 min
Lab File: VU039713.D
Acq: 29 Jul 2020 19:54

Instrument :
MSVOA_U
ClientSampleId :
VU0729WBS01

Tot Ion:	41	Resp:	8376
Ion	Ratio	Lower	Upper
41	100		
67	54.8	48.3	72.5
39	60.6	47.6	71.4
52	31.1	23.9	35.9

Manual Integrations
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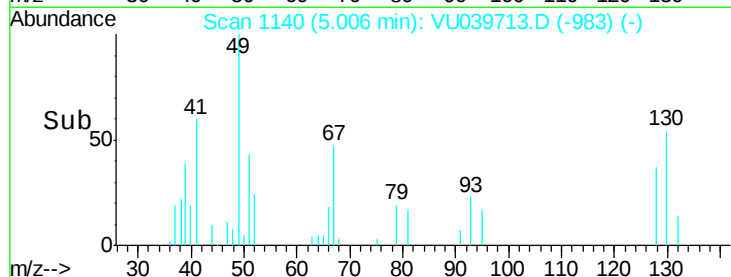
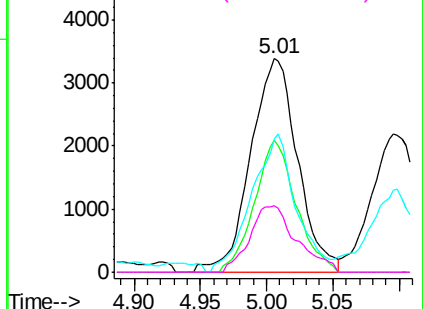
Abundance

Ion 41.00 (40.70 to 41.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

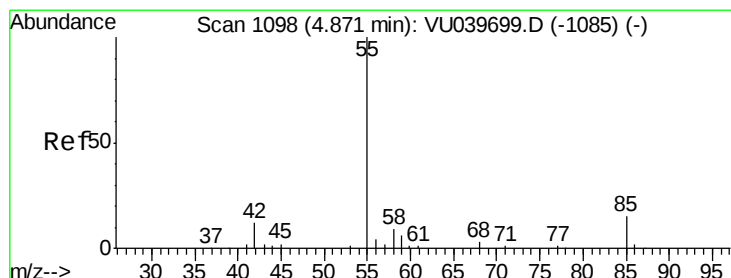
Ion 39.00 (38.70 to 39.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



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#40
Methyl acrylate
Concen: 2.371 ug/l
RT: 4.87 min Scan# 1099
Delta R.T. 0.00 min
Lab File: VU039713.D
Acq: 29 Jul 2020 19:54

Tgt Ion:	55	Resp:	12565
Ion	Ratio	Lower	Upper
55	100		
85	12.8	11.4	17.0
58	9.0	7.4	11.0
42	14.7	10.3	15.5

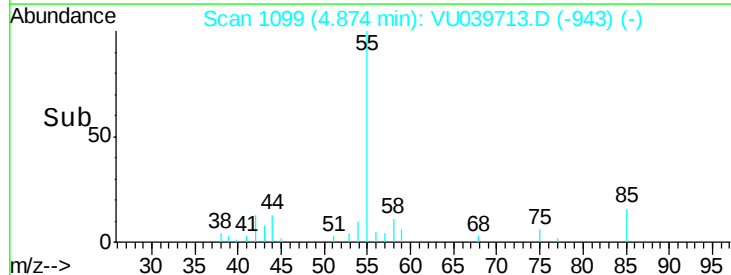
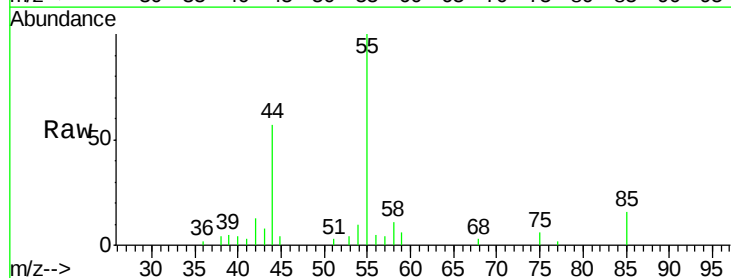
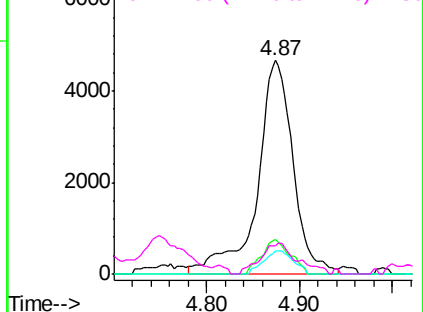
Abundance

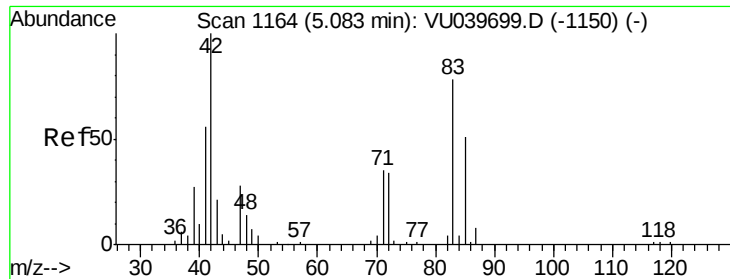
Ion 55.00 (54.70 to 55.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 42.00 (41.70 to 42.70): VU0



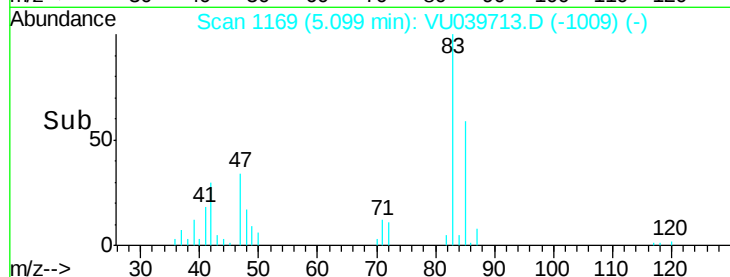
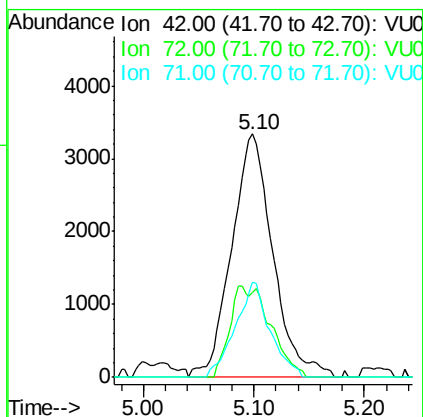
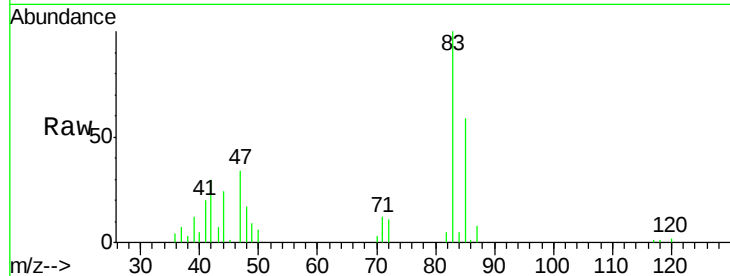


#41
Tetrahydrofuran
Concen: 4.188 ug/l
RT: 5.10 min Scan# 1169
Delta R.T. 0.02 min
Lab File: VU039713.D
Acq: 29 Jul 2020 19:54

Instrument :
MSVOA_U
ClientSampleId :
VU0729WBS01

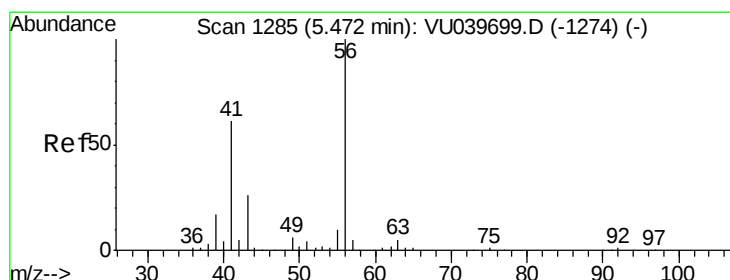
Tot Ion	Ratio	Lower	Upper
42	100		
72	17.8	31.0	46.6#
71	32.7	28.2	42.4

Manual Integrations
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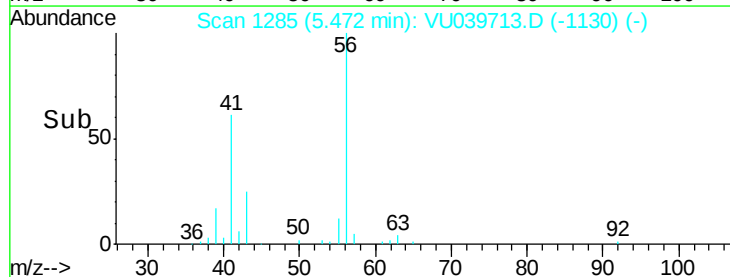
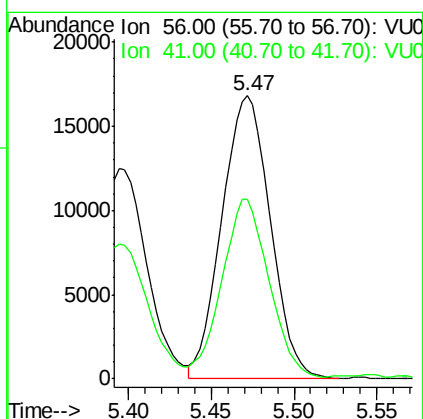
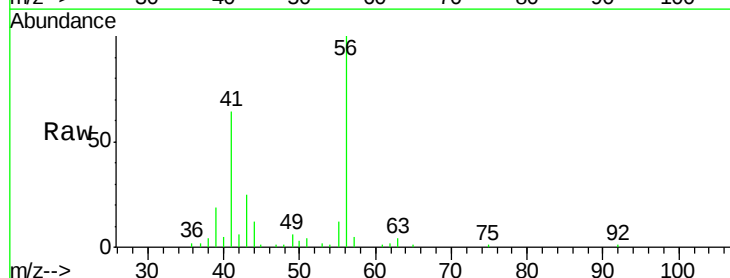
MMDadoda

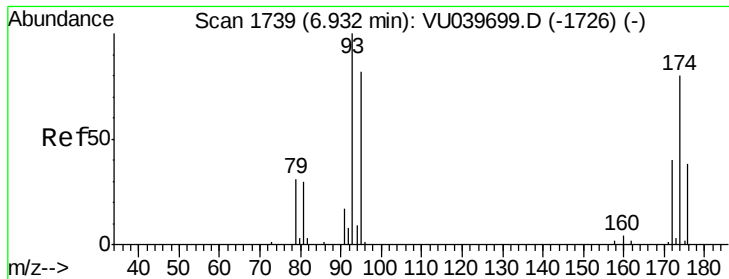
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#42
1-Chlorobutane
Concen: 2.099 ug/l
RT: 5.47 min Scan# 1285
Delta R.T. -0.00 min
Lab File: VU039713.D
Acq: 29 Jul 2020 19:54

Tgt Ion	Ratio	Lower	Upper
56	100		
41	61.1	30.5	91.5



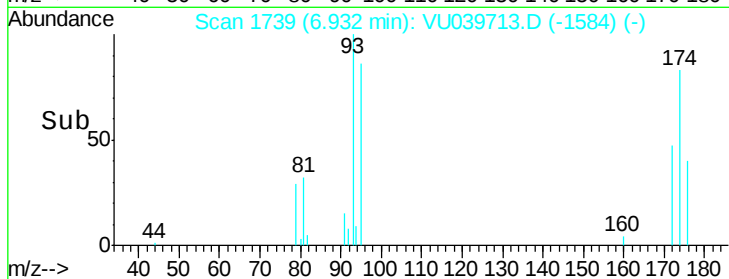
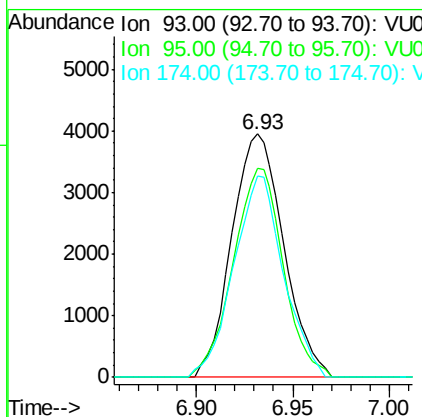
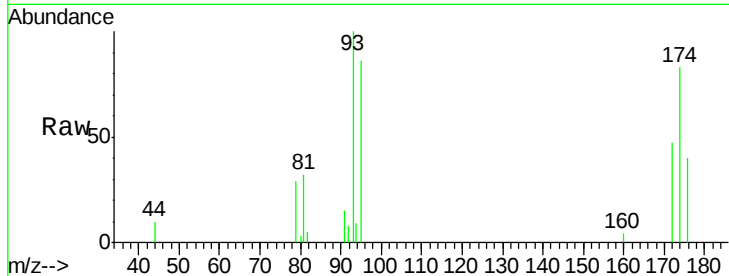


#43
Dibromomethane
Concen: 1.939 ug/l
RT: 6.93 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VU039713.D
Acq: 29 Jul 2020 19:54

Instrument :
MSVOA_U
ClientSampleId :
VU0729WBS01

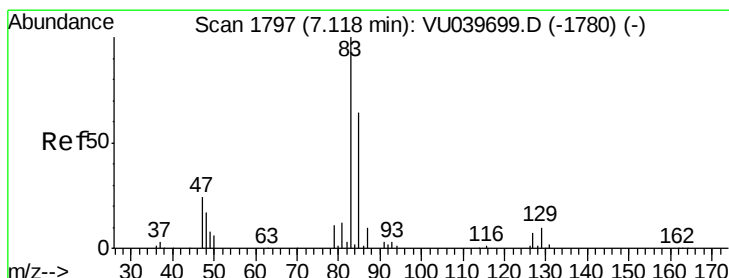
Tot Ion	Ratio	Lower	Upper
93	100		
95	82.6	66.6	99.8
174	79.2	62.7	94.1

Manual Integrations
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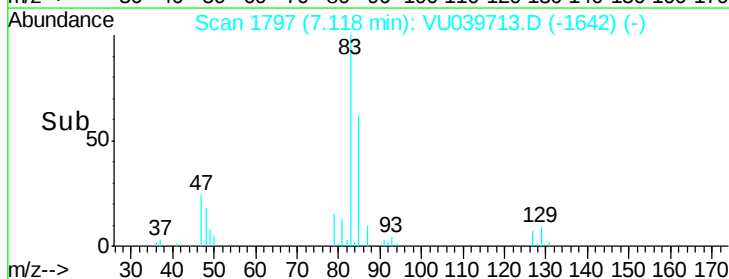
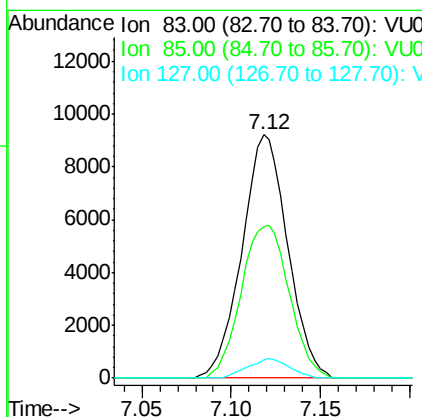
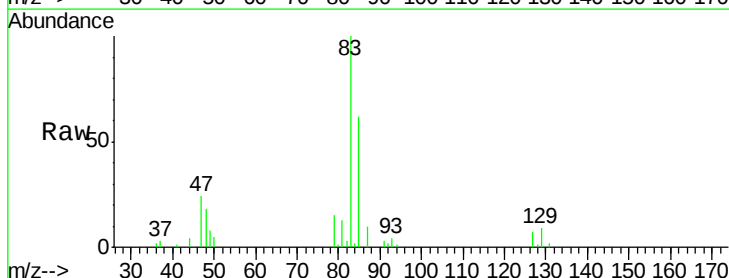
MMDadoda

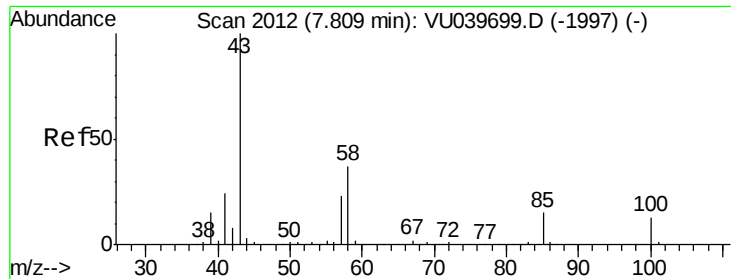
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#44
Bromodichloromethane
Concen: 1.892 ug/l
RT: 7.12 min Scan# 1797
Delta R.T. -0.00 min
Lab File: VU039713.D
Acq: 29 Jul 2020 19:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.2	50.8	76.2
127	7.3	5.8	8.6



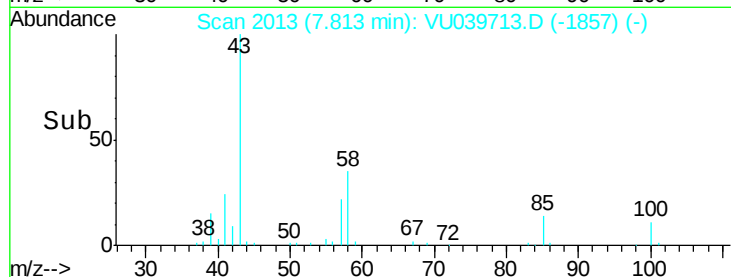
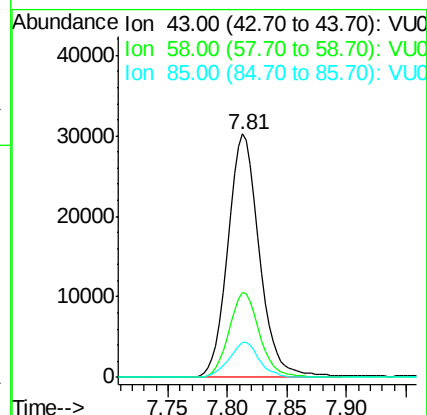
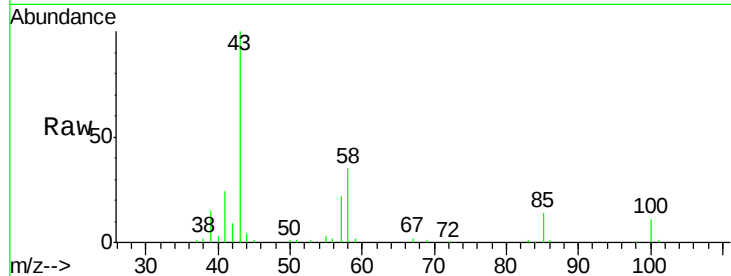


#45
4-Methyl-2-Pentanone
Concen: 9.657 ug/l
RT: 7.81 min Scan# 2013
Delta R.T. 0.00 min
Lab File: VU039713.D
Acq: 29 Jul 2020 19:54

Instrument :
MSVOA_U
ClientSampleId :
VU0729WBS01

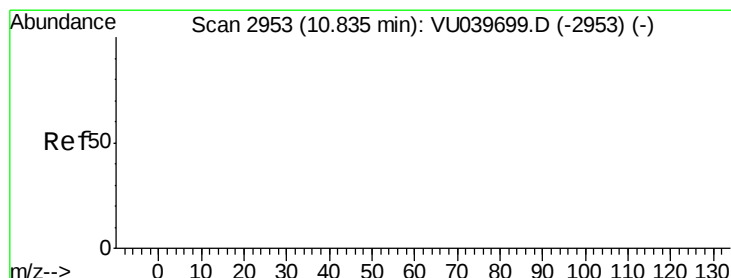
Tot Ion	Ratio	Lower	Upper
43	100		
58	33.7	18.4	55.0
85	13.7	11.8	17.6

Manual Integrations
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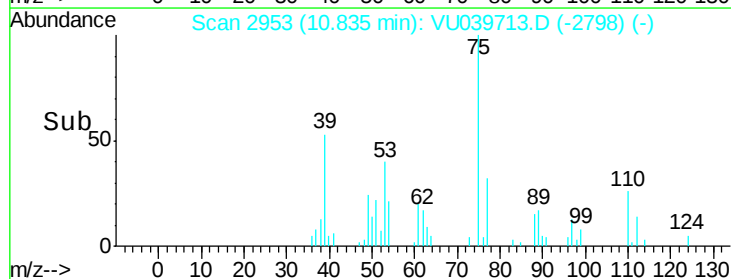
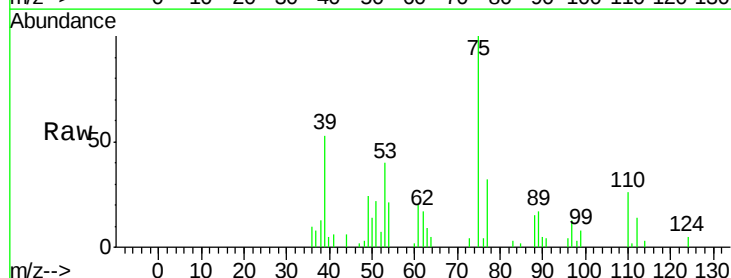
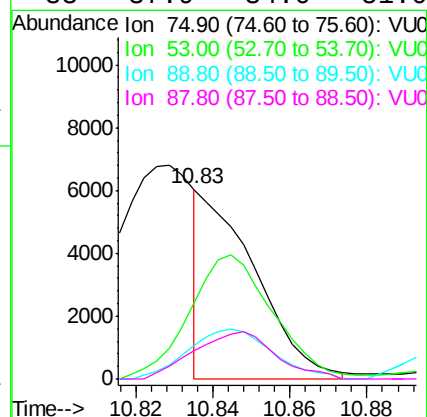
MMDadoda

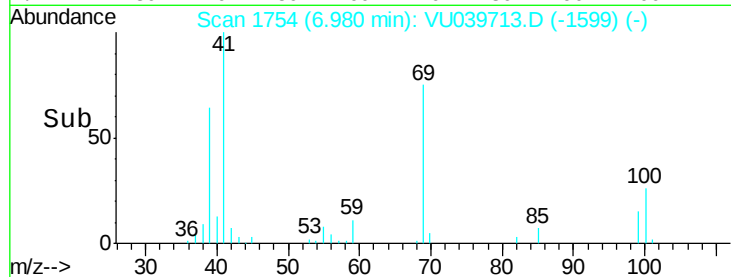
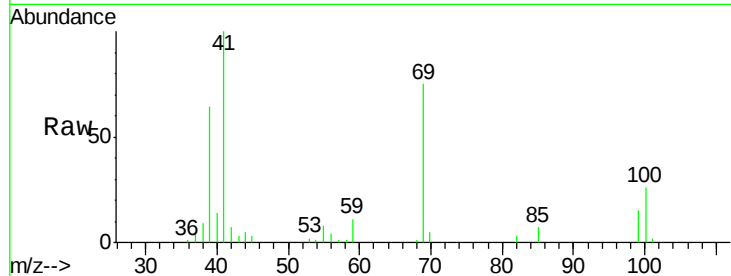
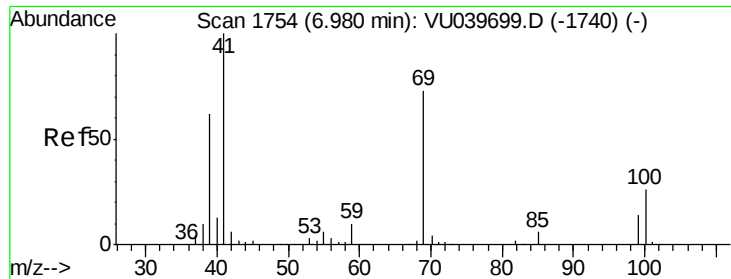
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#46
t-1,4-Dichloro-2-butene
Concen: 3.444 ug/l m
RT: 10.83 min Scan# 2953
Delta R.T. -0.00 min
Lab File: VU039713.D
Acq: 29 Jul 2020 19:54

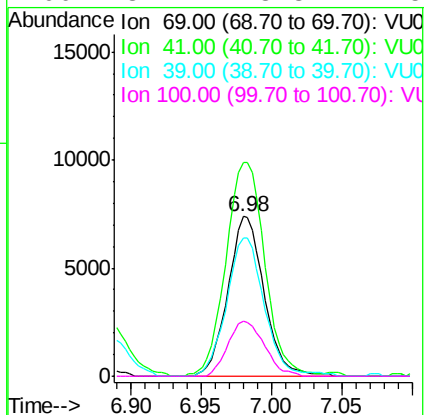
Tgt Ion	Ratio	Lower	Upper
75	100		
53	101.1	78.6	118.0
89	40.9	40.3	60.5
88	37.9	34.0	51.0





#47
Methyl methacrylate
Concen: 3.751 ug/l
RT: 6.98 min Scan# 1754
Delta R.T. -0.00 min
Lab File: VU039713.D
Acq: 29 Jul 2020 19:54

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	143.3	0.0	271.6	
39	90.3	67.4	101.2	
100	34.7	28.3	42.5	

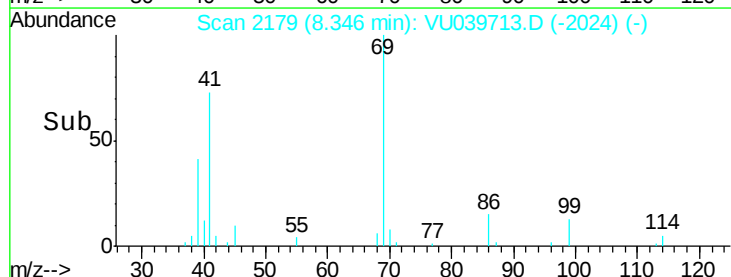
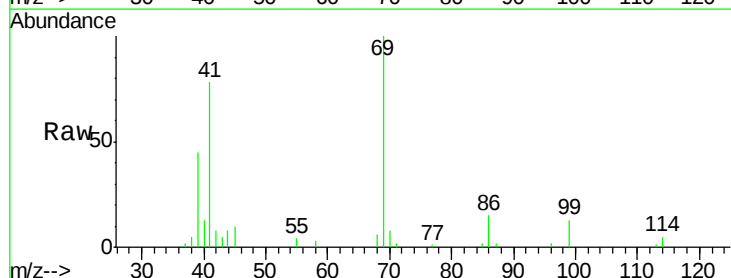
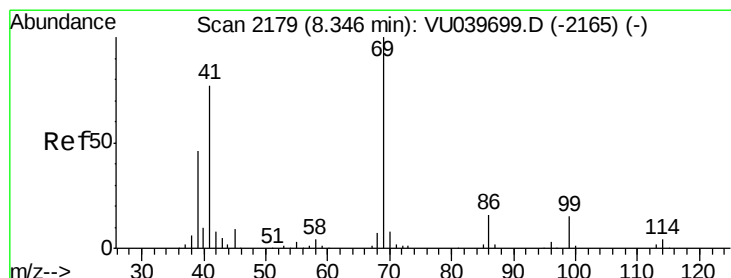


Instrument :
MSVOA_U
ClientSampleId :
VU0729WBS01

Manual Integrations
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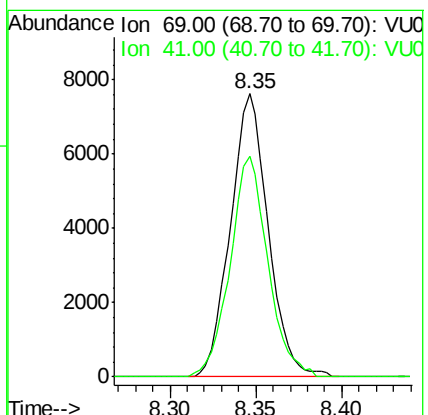
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#48
Ethyl methacrylate
Concen: 1.790 ug/l
RT: 8.35 min Scan# 2179
Delta R.T. -0.00 min
Lab File: VU039713.D
Acq: 29 Jul 2020 19:54

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	77.9	39.1	117.5	





#49

Toluene

Concen: 1.818 ug/l

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039713.D

Acq: 29 Jul 2020 19:54

Instrument :

MSVOA_U

ClientSampleId :

VU0729WBS01

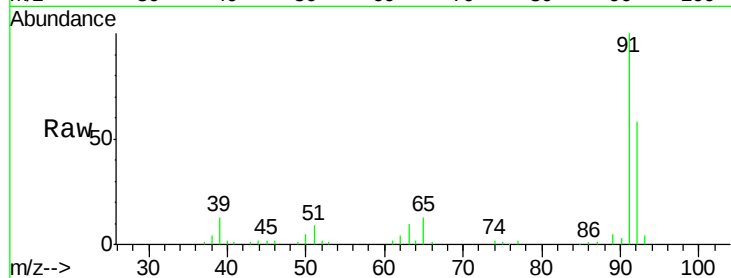
Tot Ion: 92 Resp: 27738

Ion Ratio Lower Upper

92 100

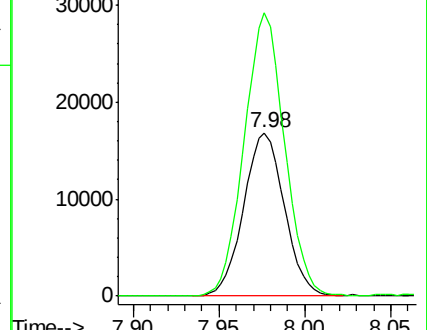
91 171.1 136.1 204.1

Manual Integrations
APPROVED



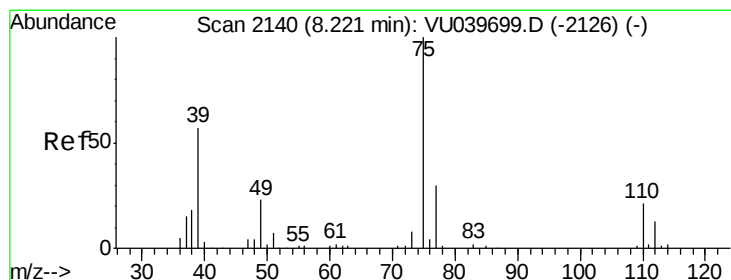
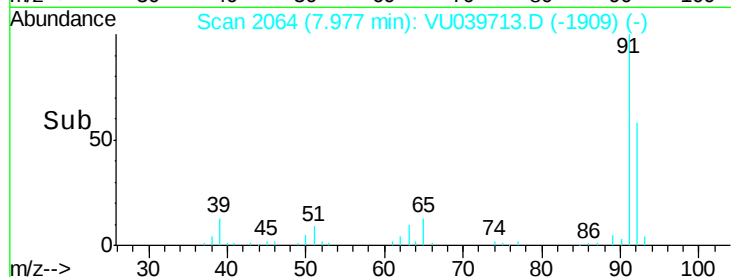
Abundance Ion 92.00 (91.70 to 92.70): VU039713.D (-1909) (-)

Ion 91.00 (90.70 to 91.70): VU039713.D (-1909) (-)



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#50

t-1,3-Dichloropropene

Concen: 1.768 ug/l

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU039713.D

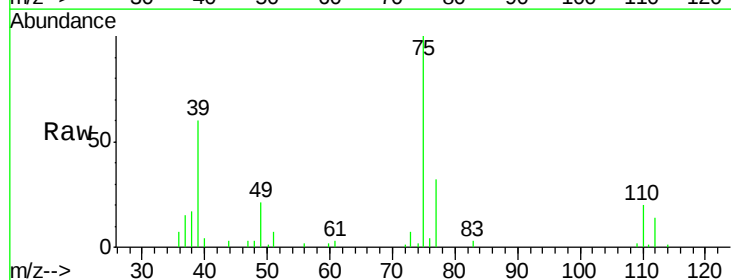
Acq: 29 Jul 2020 19:54

Tgt Ion: 75 Resp: 13875

Ion Ratio Lower Upper

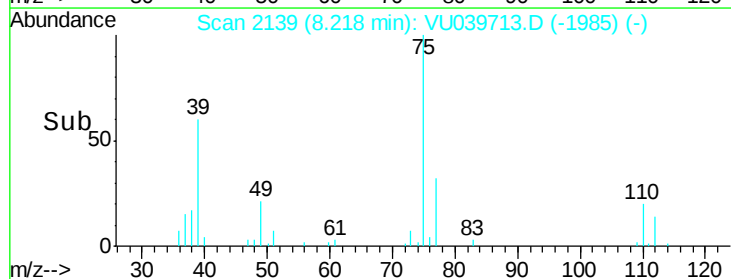
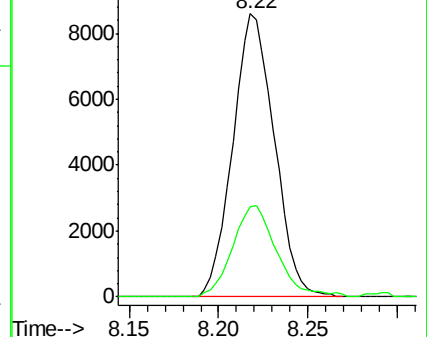
75 100

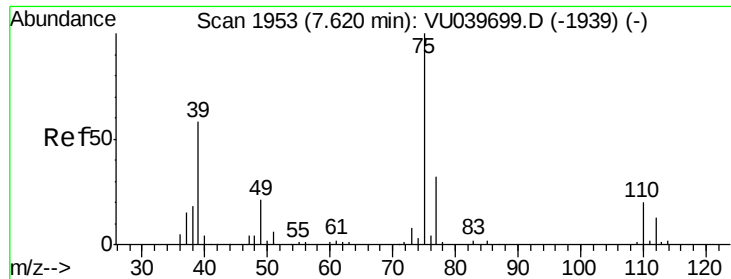
77 31.8 24.3 36.5



Abundance Ion 75.00 (74.70 to 75.70): VU039713.D (-1985) (-)

Ion 77.00 (76.70 to 77.70): VU039713.D (-1985) (-)



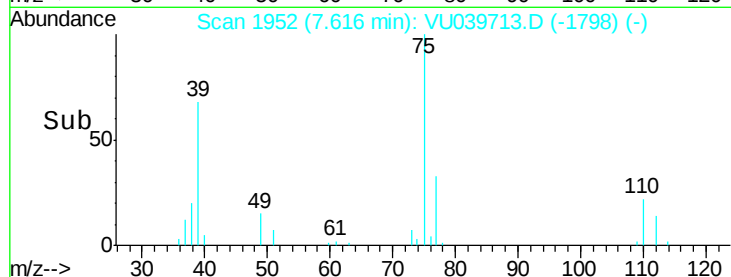
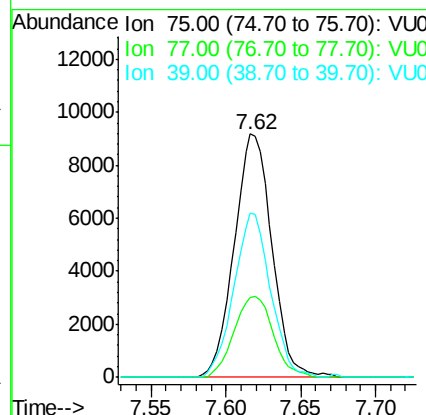
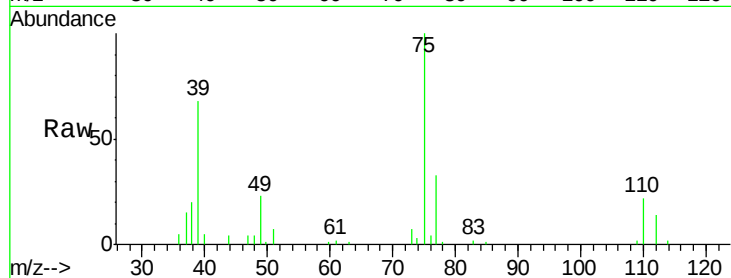


#51
 cis-1,3-Dichloropropene
 Concen: 1.743 ug/l
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU039713.D
 Acq: 29 Jul 2020 19:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0729WBS01

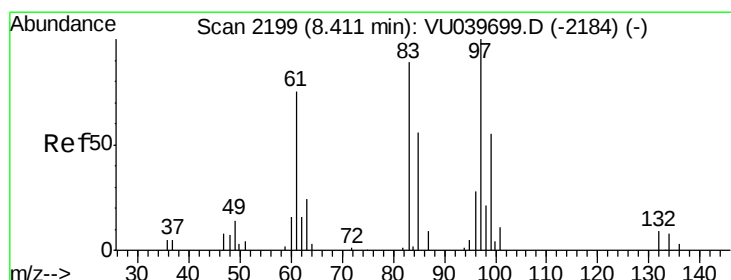
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.7	38.5
39	67.7	46.1	69.1

Manual Integrations
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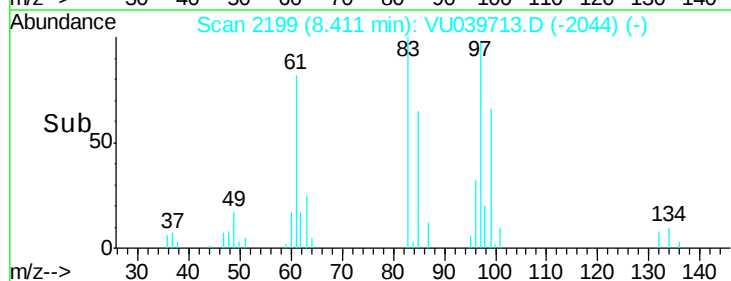
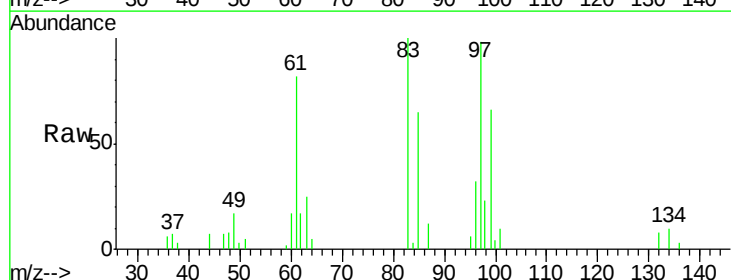
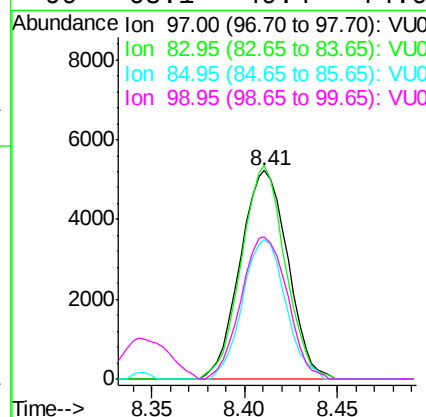
MMDadoda

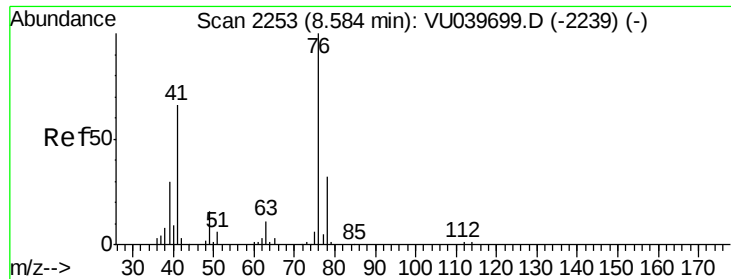
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#52
 1,1,2-Trichloroethane
 Concen: 1.889 ug/l
 RT: 8.41 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: VU039713.D
 Acq: 29 Jul 2020 19:54

Tgt Ion	Ratio	Lower	Upper
97	100		
83	102.5	71.3	106.9
85	66.7	45.4	68.2
99	68.1	49.4	74.0



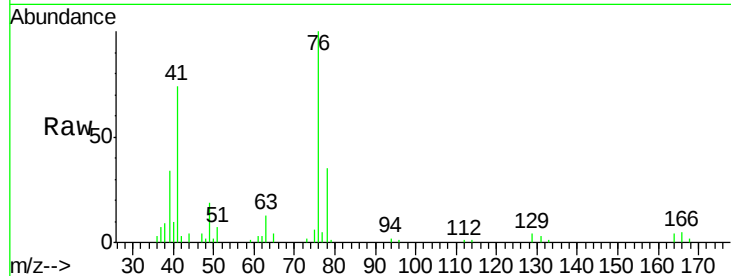


#53
 1,3-Dichloropropane
 Concen: 1.877 ug/l
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VU039713.D
 Acq: 29 Jul 2020 19:54

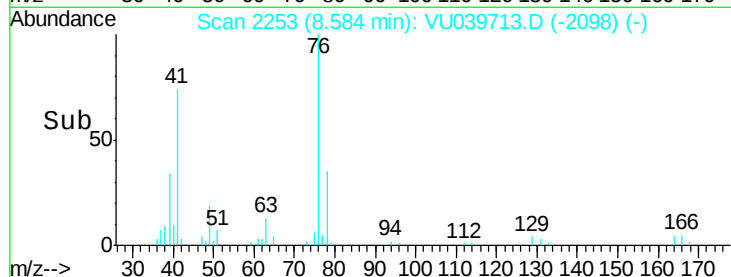
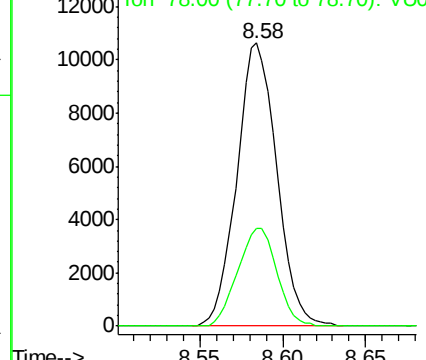
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0729WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.8	25.4	38.2

Manual Integrations
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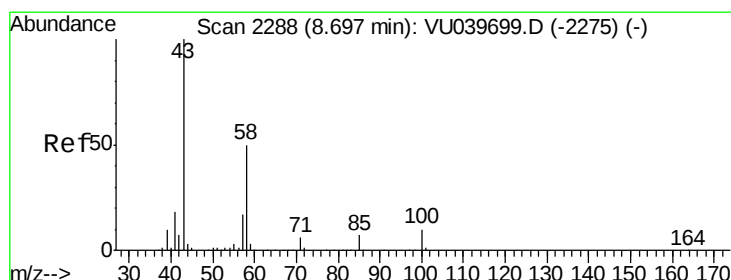


Abundance Ion 76.00 (75.70 to 76.70): VU039713.D (-2098) (-)
 Ion 78.00 (77.70 to 78.70): VU039713.D (-2098) (-)



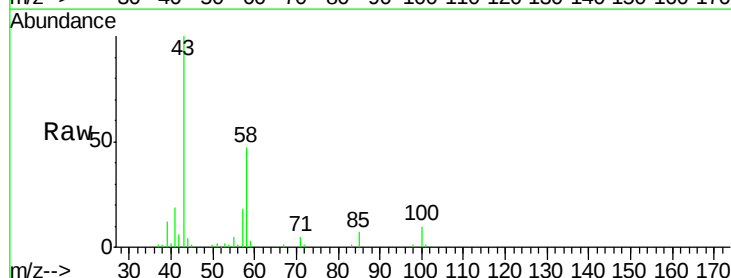
MMDadoda

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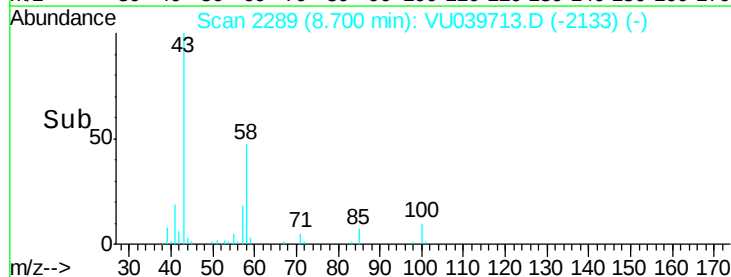
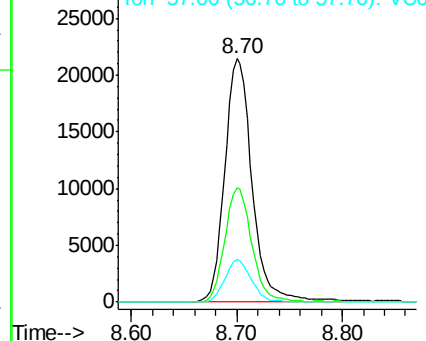


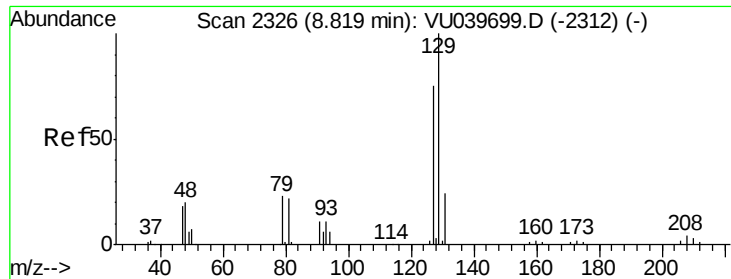
#54
 2-Hexanone
 Concen: 9.360 ug/l
 RT: 8.70 min Scan# 2289
 Delta R.T. 0.00 min
 Lab File: VU039713.D
 Acq: 29 Jul 2020 19:54

Tgt Ion	Ratio	Lower	Upper
43	100		
58	46.0	29.9	69.9
57	16.7	0.0	37.2



Abundance Ion 43.00 (42.70 to 43.70): VU039713.D (-2133) (-)
 Ion 58.00 (57.70 to 58.70): VU039713.D (-2133) (-)
 Ion 57.00 (56.70 to 57.70): VU039713.D (-2133) (-)



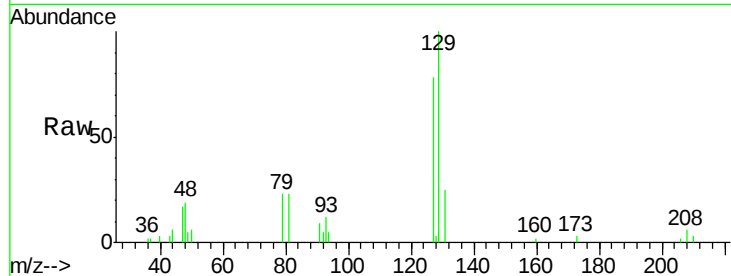


#55
 Dibromochloromethane
 Concen: 1.887 ug/l
 RT: 8.82 min Scan# 2325
 Delta R.T. -0.00 min
 Lab File: VU039713.D
 Acq: 29 Jul 2020 19:54

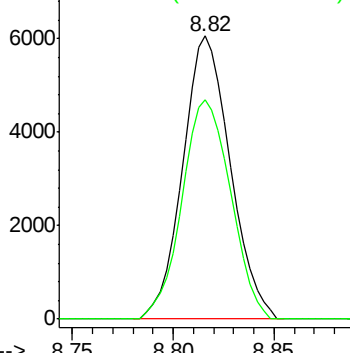
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0729WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		10009		
127	79.4	62.4	93.6		

Manual Integrations
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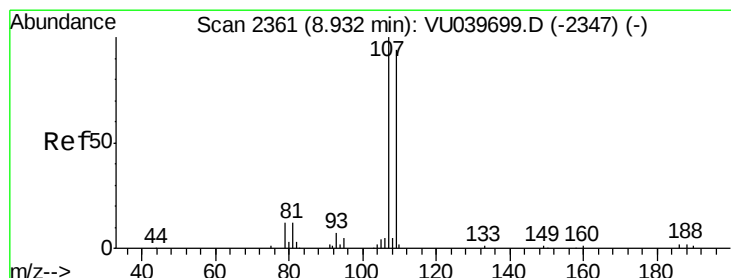
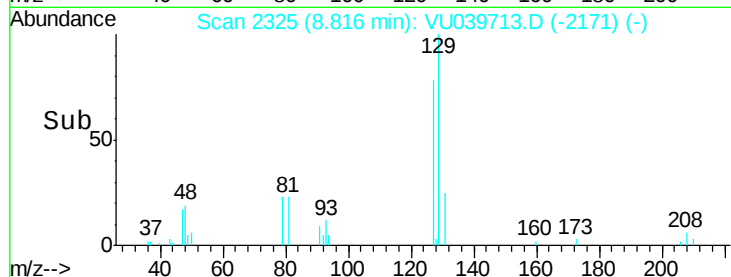


Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V



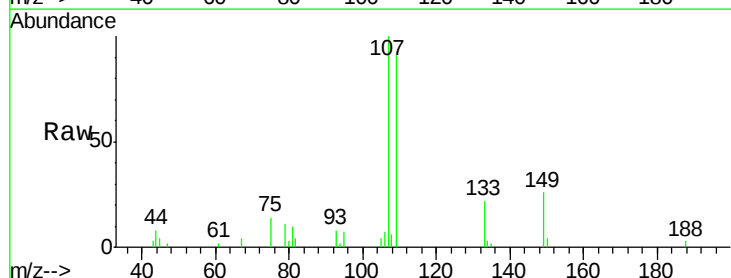
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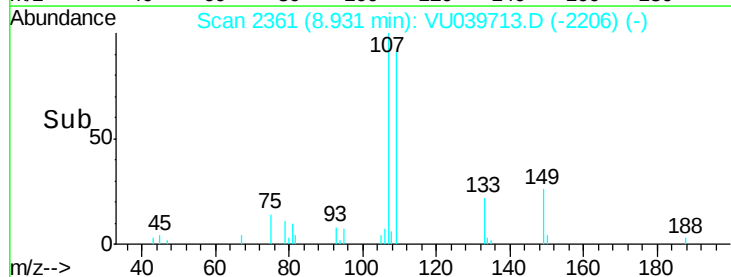
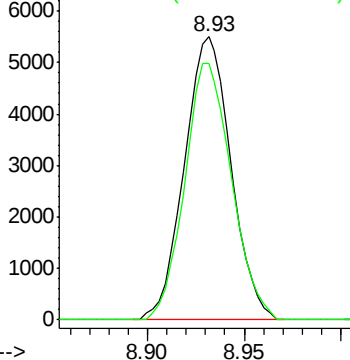


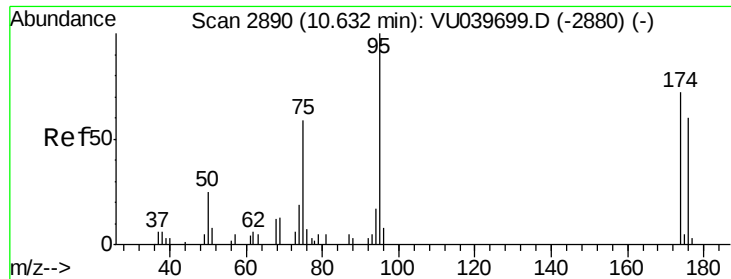
#56
 1,2-Dibromoethane
 Concen: 1.937 ug/l
 RT: 8.93 min Scan# 2361
 Delta R.T. -0.00 min
 Lab File: VU039713.D
 Acq: 29 Jul 2020 19:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		9216		
109	90.8	0.0	185.2		



Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V



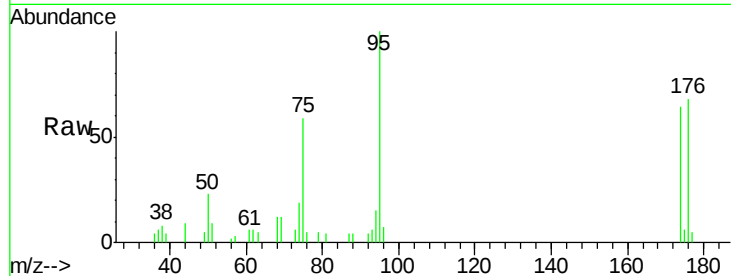


#57
4-Bromofluorobenzene
Concen: 0.927 ug/l
RT: 10.63 min Scan# 2890
Delta R.T. -0.00 min
Lab File: VU039713.D
Acq: 29 Jul 2020 19:54

Instrument :
MSVOA_U
ClientSampleId :
VU0729WBS01

Tot Ion	Ratio	Lower	Upper
95	100		
174	66.1	57.0	85.4
176	66.4	50.2	75.2

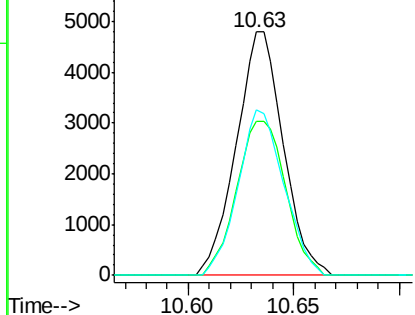
Manual Integrations
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Abundance Ion 95.00 (94.70 to 95.70): VU039713.D (-2579) (-)

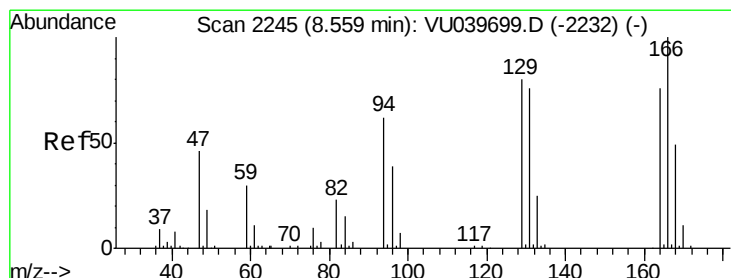
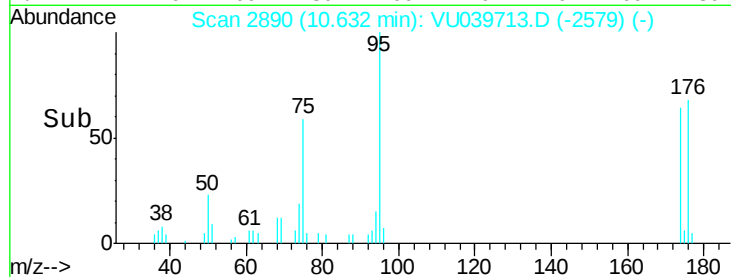
Ion 174.00 (173.70 to 174.70): VU039713.D (-2579) (-)

Ion 176.00 (175.70 to 176.70): VU039713.D (-2579) (-)



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#58
Tetrachloroethene
Concen: 1.900 ug/l
RT: 8.56 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VU039713.D
Acq: 29 Jul 2020 19:54

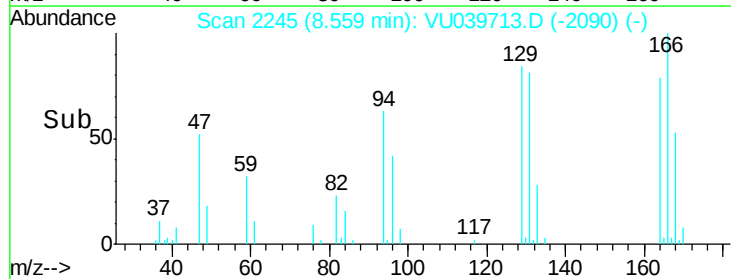
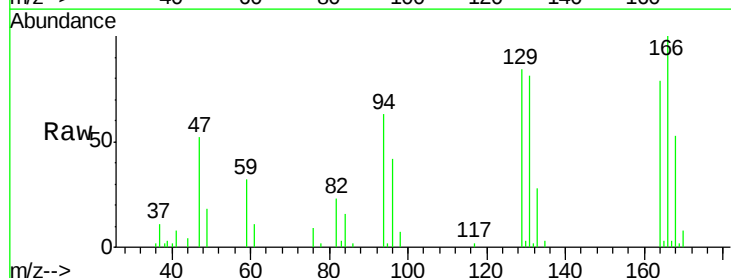
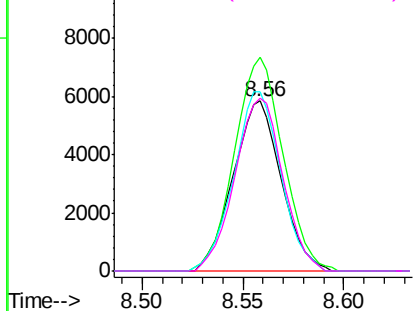
Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	104.8	157.2
129	105.5	84.1	126.1
131	102.2	80.1	120.1

Abundance Ion 163.85 (163.55 to 164.55): VU039713.D (-2090) (-)

Ion 165.80 (165.50 to 166.50): VU039713.D (-2090) (-)

Ion 128.90 (128.60 to 129.60): VU039713.D (-2090) (-)

Ion 130.90 (130.60 to 131.60): VU039713.D (-2090) (-)



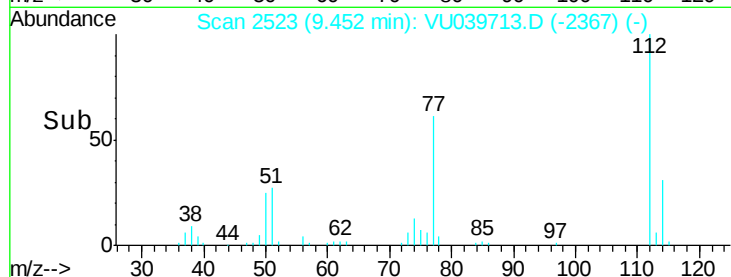
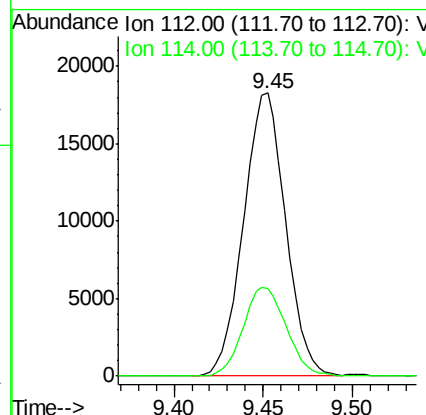
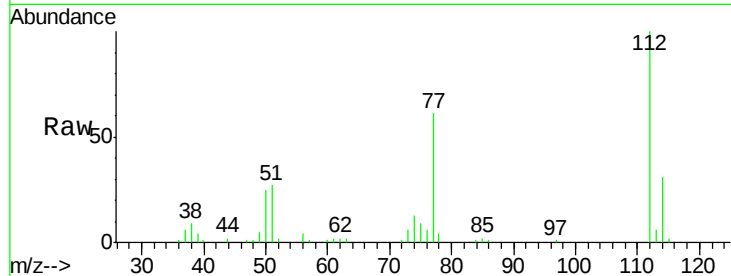


#59
Chlorobenzene
Concen: 1.908 ug/l
RT: 9.45 min Scan# 2523
Delta R.T. 0.00 min
Lab File: VU039713.D
Acq: 29 Jul 2020 19:54

Instrument :
MSVOA_U
ClientSampleId :
VU0729WBS01

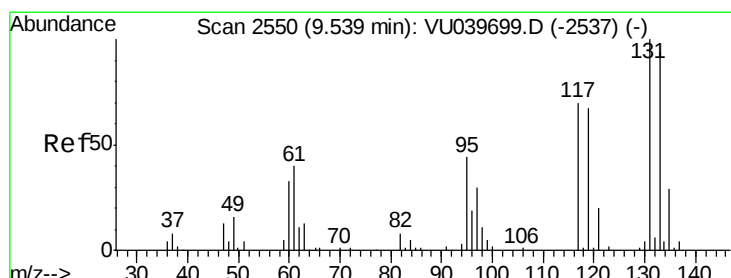
Tot Ion:112 Resp: 30100
Ion Ratio Lower Upper
112 100
114 30.8 25.8 38.6

Manual Integrations
APPROVED



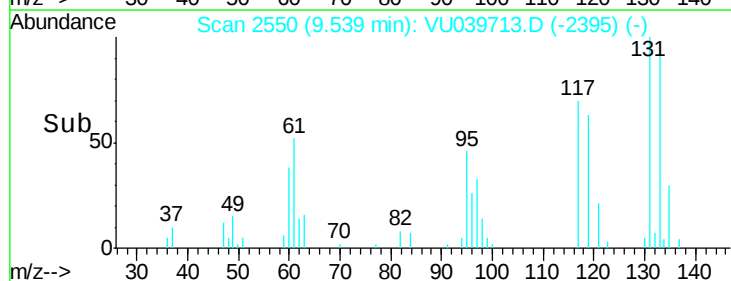
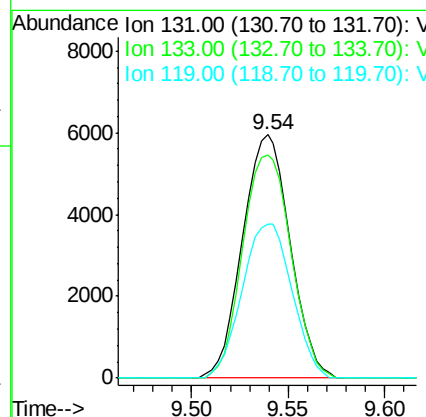
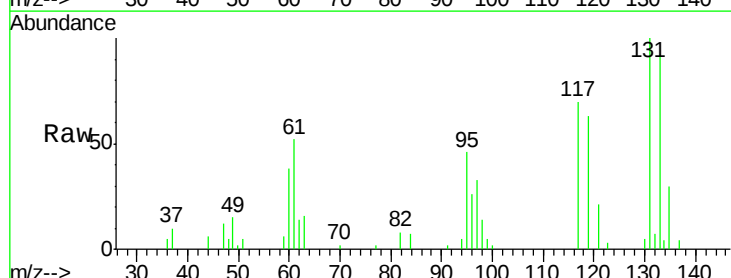
MMDadoda

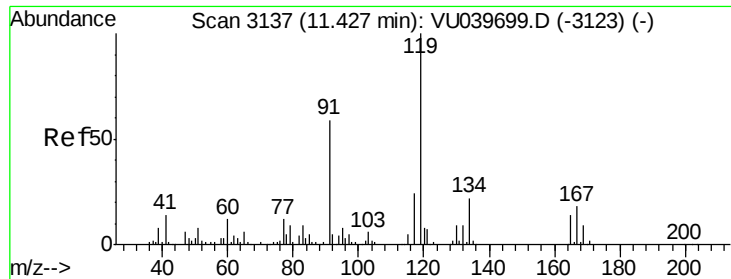
7/31/2020 3:42:08 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 1.916 ug/l
RT: 9.54 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU039713.D
Acq: 29 Jul 2020 19:54

Tgt Ion:131 Resp: 10189
Ion Ratio Lower Upper
131 100
133 93.3 75.8 113.8
119 66.0 54.6 81.8



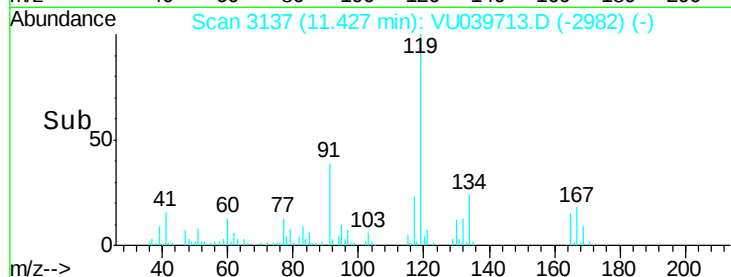
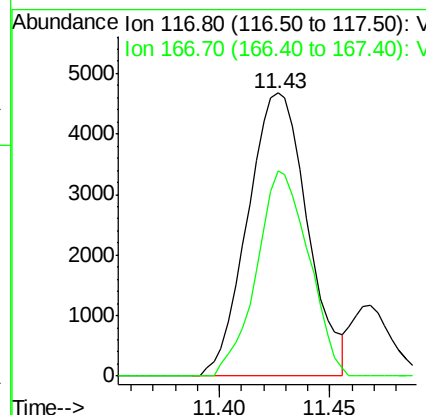
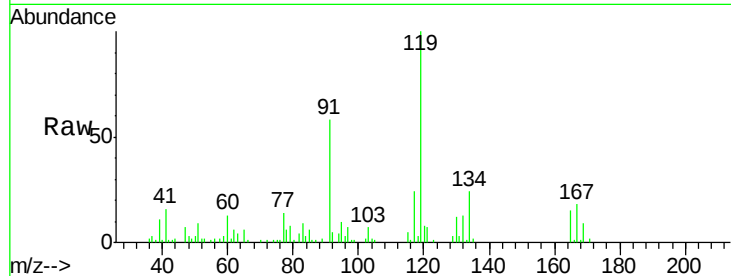


#61
 Pentachloroethane
 Concen: 1.879 ug/l
 RT: 11.43 min Scan# 3137
 Delta R.T. -0.00 min
 Lab File: VU039713.D
 Acq: 29 Jul 2020 19:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0729WBS01

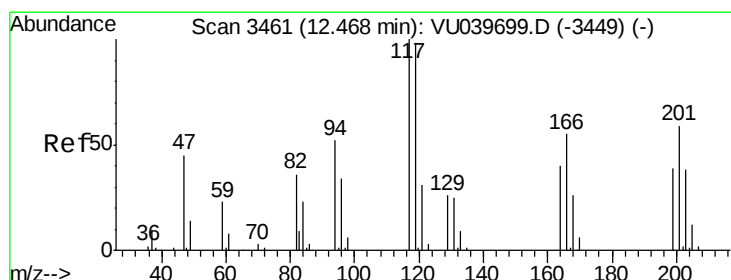
Tot Ion:117 Resp: 8780
 Ion Ratio Lower Upper
 117 100
 167 63.1 56.6 85.0

Manual Integrations
 APPROVED



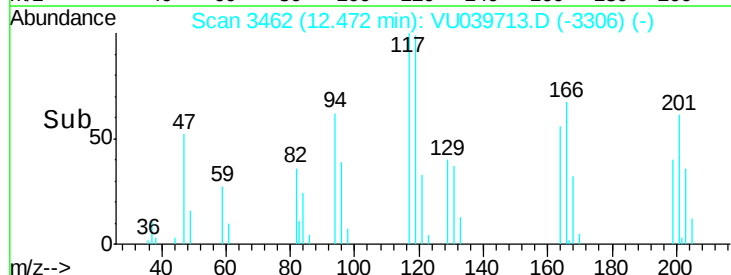
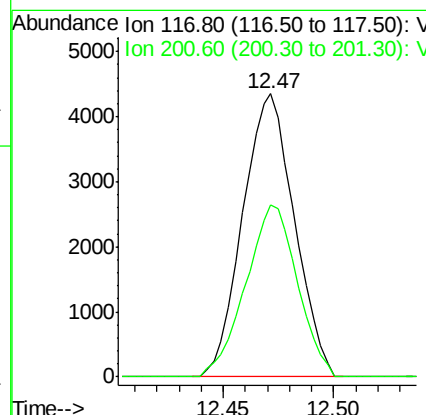
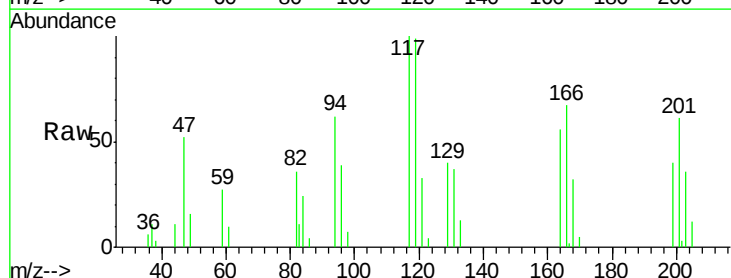
MMDadoda

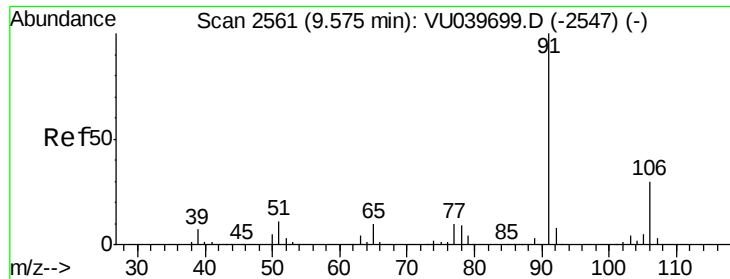
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#62
 Hexachloroethane
 Concen: 1.651 ug/l
 RT: 12.47 min Scan# 3462
 Delta R.T. 0.00 min
 Lab File: VU039713.D
 Acq: 29 Jul 2020 19:54

Tgt Ion:117 Resp: 7073
 Ion Ratio Lower Upper
 117 100
 201 60.6 48.1 72.1



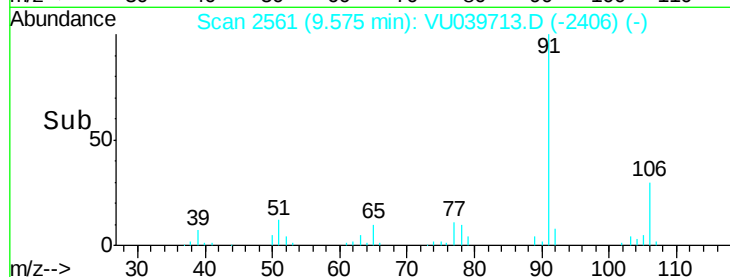
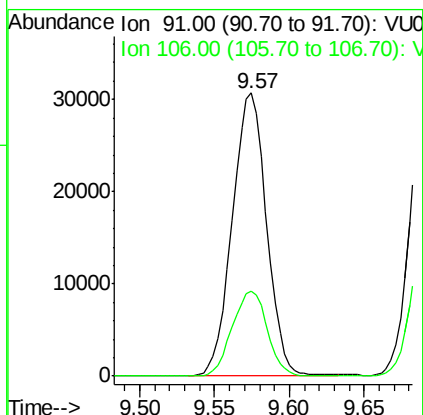
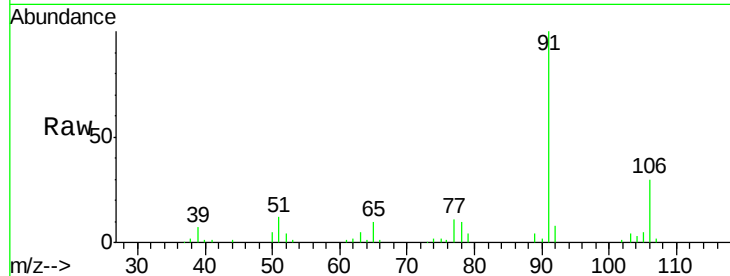


#63
Ethyl Benzene
Concen: 1.736 ug/l
RT: 9.57 min Scan# 2561
Delta R.T. -0.00 min
Lab File: VU039713.D
Acq: 29 Jul 2020 19:54

Instrument :
MSVOA_U
ClientSampleId :
VU0729WBS01

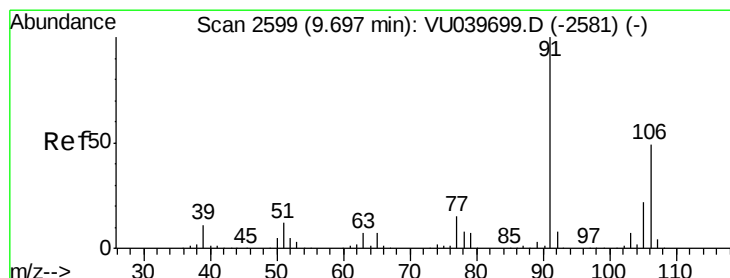
Tot Ion: 91 Resp: 49088
Ion Ratio Lower Upper
91 100
106 29.9 24.2 36.4

Manual Integrations
APPROVED



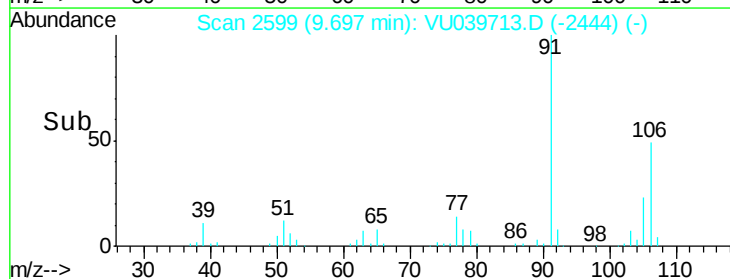
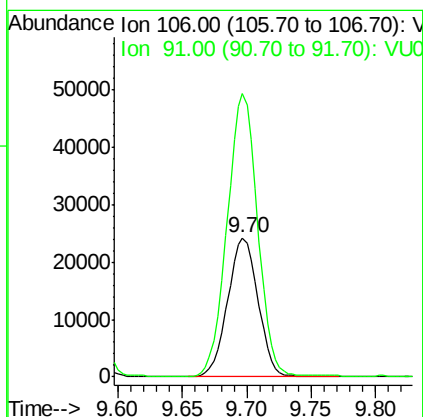
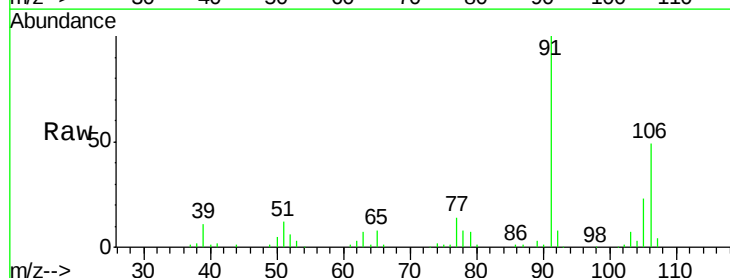
MMDadoda

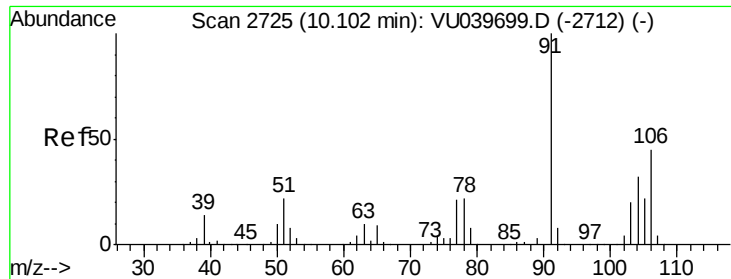
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#64
m/p-Xylenes
Concen: 3.595 ug/l
RT: 9.70 min Scan# 2599
Delta R.T. -0.00 min
Lab File: VU039713.D
Acq: 29 Jul 2020 19:54

Tgt Ion: 106 Resp: 39702
Ion Ratio Lower Upper
106 100
91 203.9 163.9 245.9



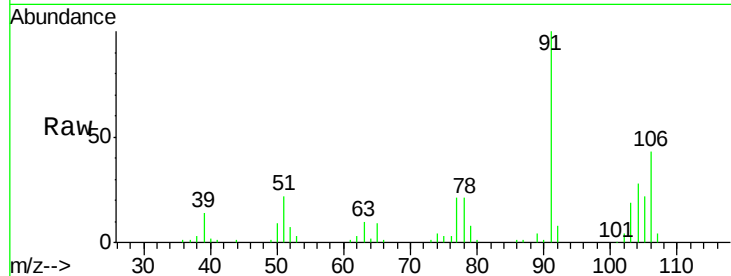


#65
o-Xylene
Concen: 1.755 ug/l
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU039713.D
Acq: 29 Jul 2020 19:54

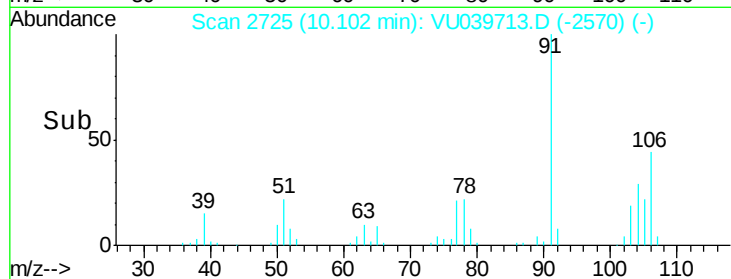
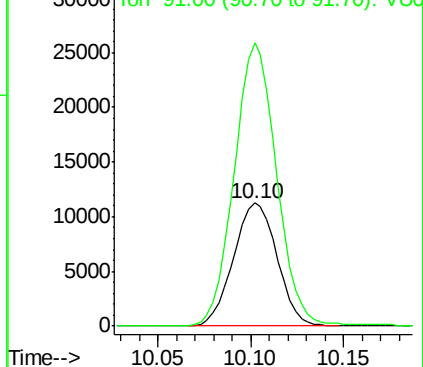
Instrument :
MSVOA_U
ClientSampleId :
VU0729WBS01

Tot Ion:106 Resp: 18404
Ion Ratio Lower Upper
106 100
91 223.7 110.3 331.0

Manual Integrations
APPROVED

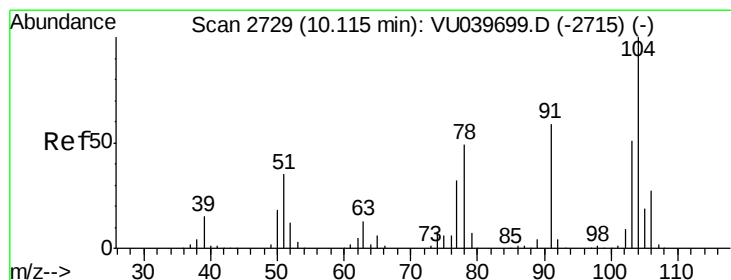


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0



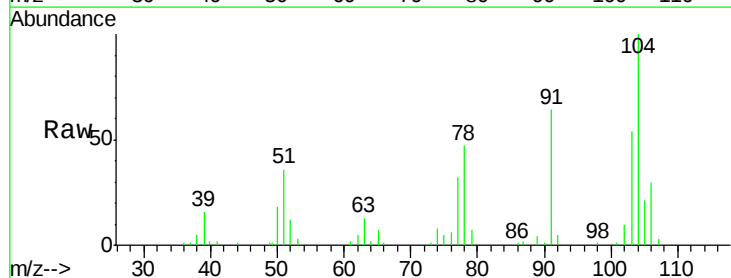
MMDadoda

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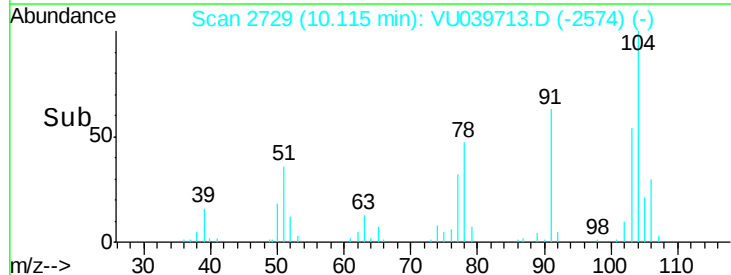
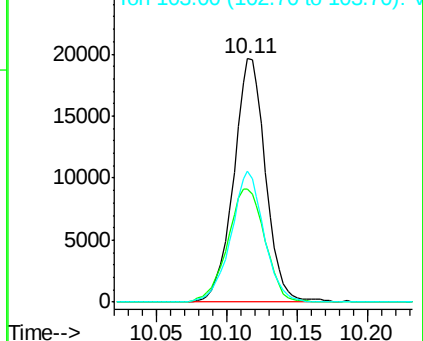


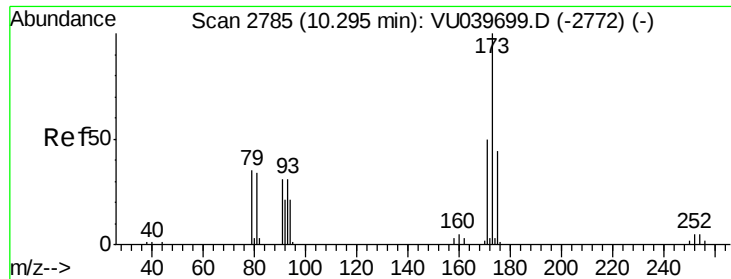
#66
Styrene
Concen: 1.730 ug/l
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU039713.D
Acq: 29 Jul 2020 19:54

Tgt Ion:104 Resp: 31091
Ion Ratio Lower Upper
104 100
78 54.2 42.2 63.4
103 55.6 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



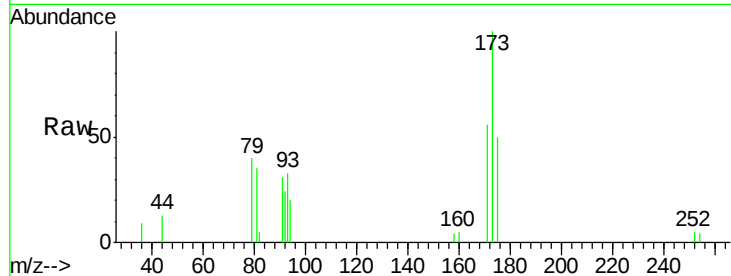


#67
Bromoform
Concen: 1.733 ug/l
RT: 10.29 min Scan# 2785
Delta R.T. -0.00 min
Lab File: VU039713.D
Acq: 29 Jul 2020 19:54

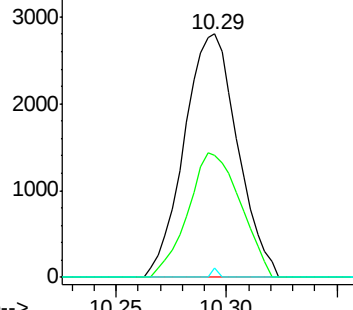
Instrument :
MSVOA_U
ClientSampleId :
VU0729WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.4	36.7	55.1
254	0.4	3.8	5.8

Manual Integrations
APPROVED

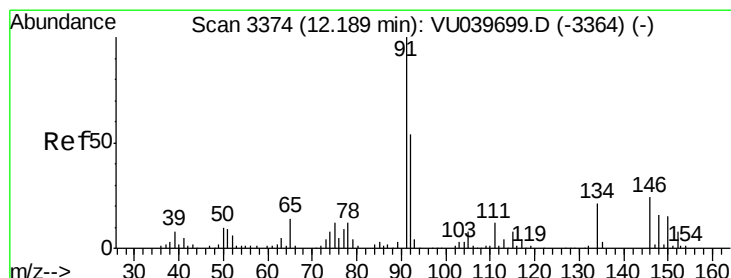
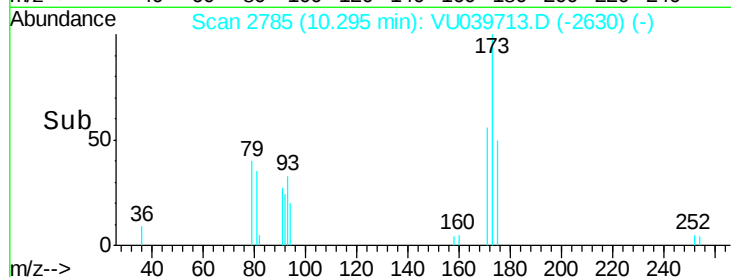


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



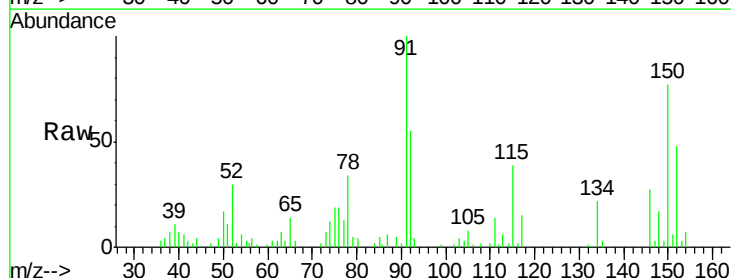
MMDadoda

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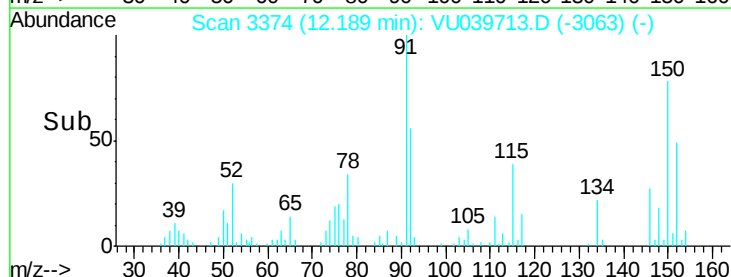
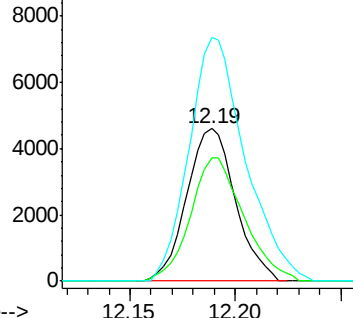


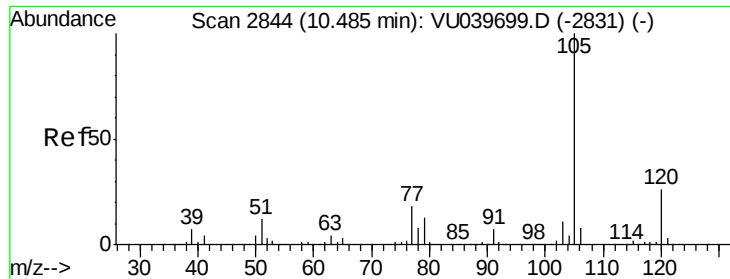
#68
1,2-Dichlorobenzene-d4
Concen: 0.943 ug/l
RT: 12.19 min Scan# 3374
Delta R.T. -0.00 min
Lab File: VU039713.D
Acq: 29 Jul 2020 19:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	88.5	0.0	302.4
150	184.4	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: 1.755 ug/l

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039713.D

Acq: 29 Jul 2020 19:54

Instrument :

MSVOA_U

ClientSampleId :

VU0729WBS01

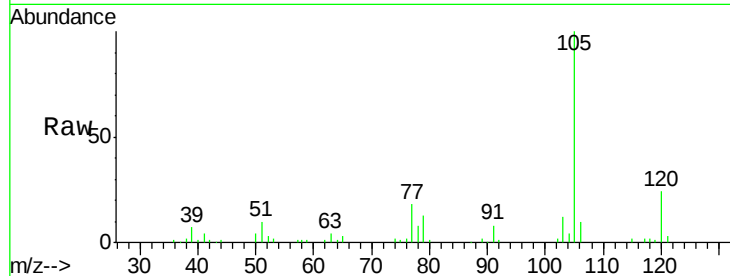
Tot Ion: 105 Resp: 49144

Ion Ratio Lower Upper

105 100

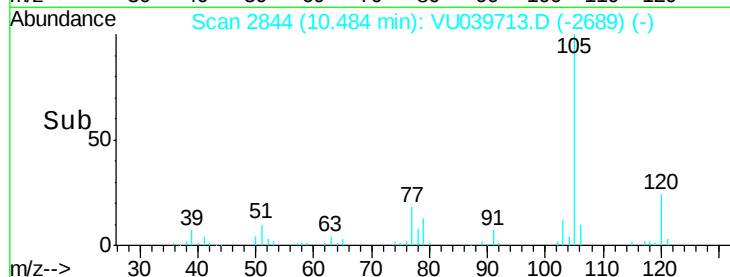
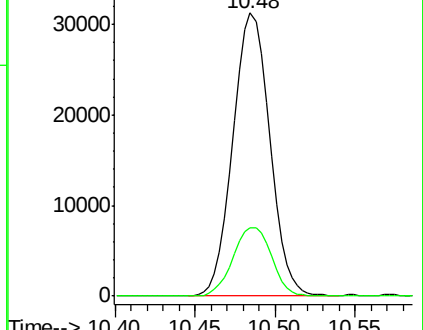
120 25.2 12.8 38.4

Manual Integrations
APPROVED



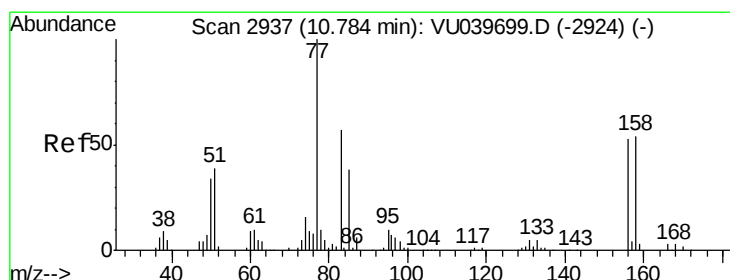
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



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#70

1,1,2,2-Tetrachloroethane

Concen: 1.915 ug/l

RT: 10.78 min Scan# 2937

Delta R.T. -0.00 min

Lab File: VU039713.D

Acq: 29 Jul 2020 19:54

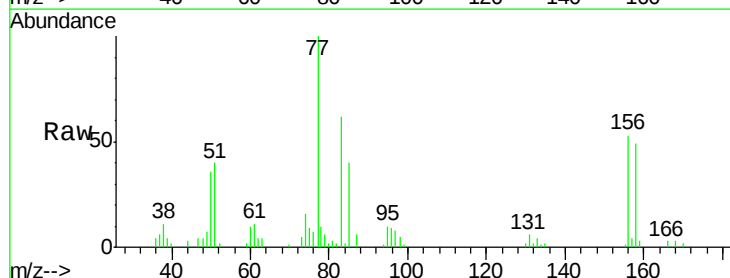
Tgt Ion: 83 Resp: 13611

Ion Ratio Lower Upper

83 100

131 8.5 7.0 10.6

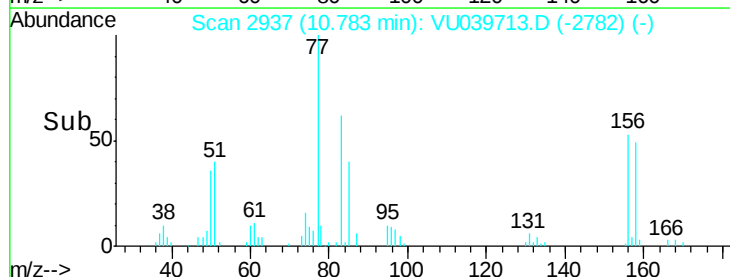
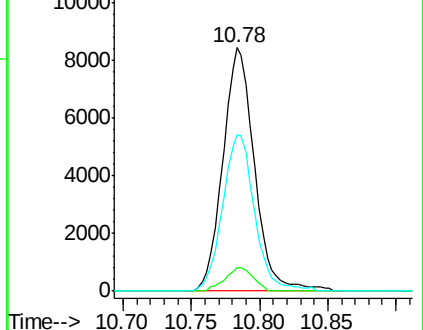
85 65.0 50.6 75.8

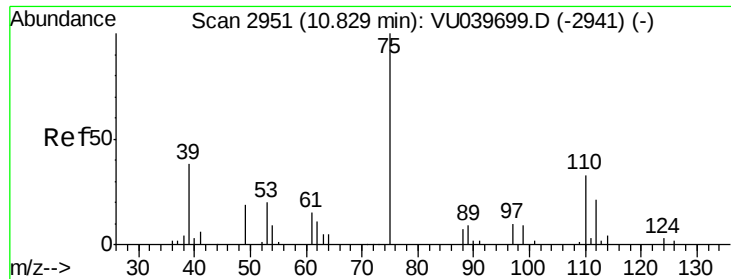


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0



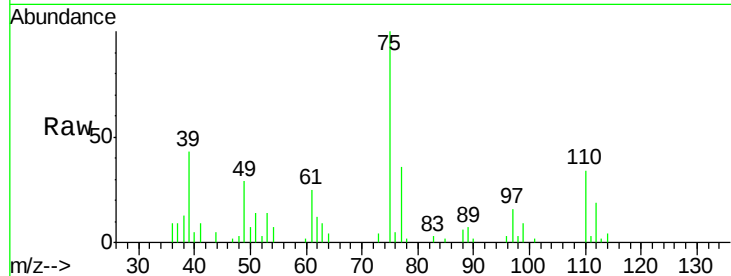


#71
1,2,3-Trichloropropane
Concen: 2.087 ug/l m
RT: 10.83 min Scan# 2951
Delta R.T. -0.00 min
Lab File: VU039713.D
Acq: 29 Jul 2020 19:54

Instrument :
MSVOA_U
ClientSampleId :
VU0729WBS01

Tot Ion	Ion	Ratio	Lower	Upper
75	75	100		
77	77	47.2	0.0	91.0
110	110	35.4	0.0	64.2
97	97	16.0	0.0	32.6

Manual Integrations
APPROVED



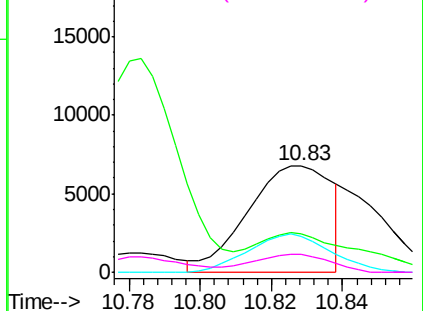
Abundance

Ion 75.00 (74.70 to 75.70): VU039699.D (-2941) (-)

Ion 77.00 (76.70 to 77.70): VU039699.D (-2941) (-)

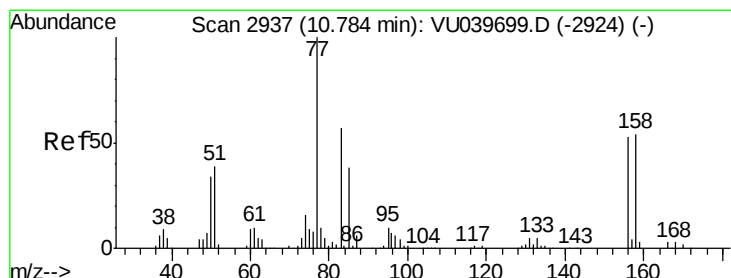
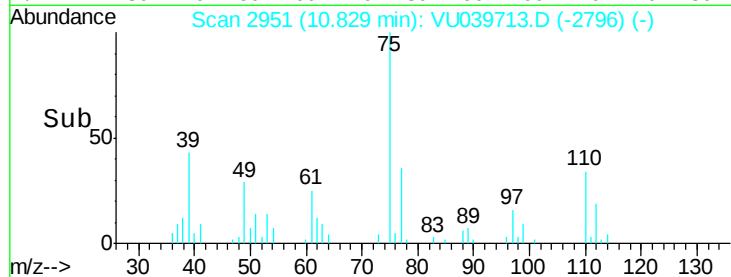
Ion 110.00 (109.70 to 110.70): VU039699.D (-2941) (-)

Ion 97.00 (96.70 to 97.70): VU039699.D (-2941) (-)



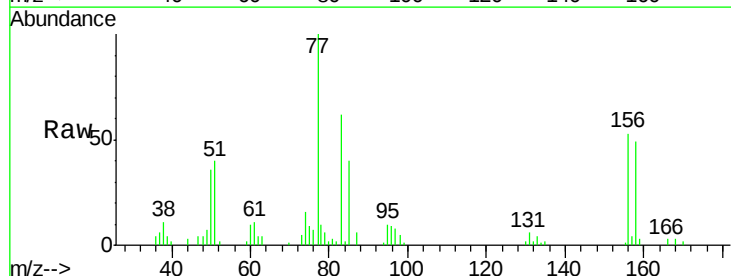
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#72
Bromobenzene
Concen: 1.830 ug/l
RT: 10.78 min Scan# 2937
Delta R.T. -0.00 min
Lab File: VU039713.D
Acq: 29 Jul 2020 19:54

Tgt Ion	Ion	Ratio	Lower	Upper
156	156	100		
77	77	191.3	0.0	385.2
158	158	98.0	0.0	200.8

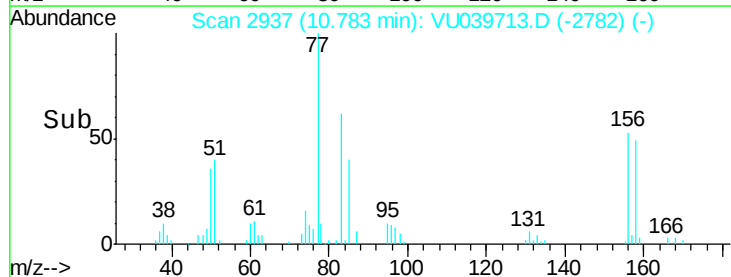
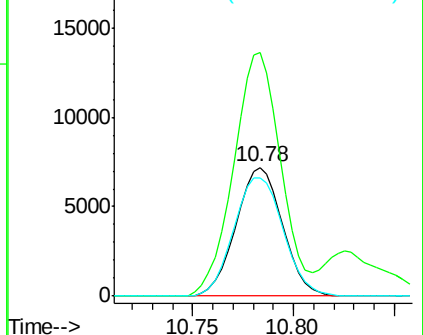


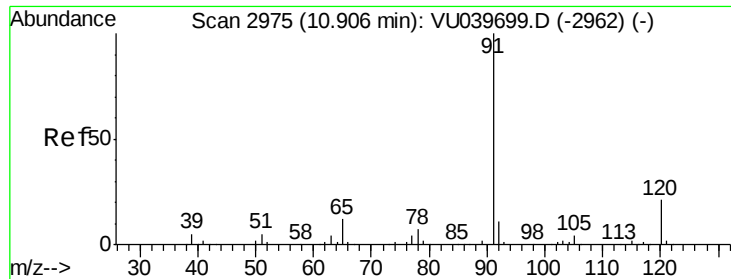
Abundance

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: 1.682 ug/l

RT: 10.91 min Scan# 2975

Delta R.T. -0.00 min

Lab File: VU039713.D

Acq: 29 Jul 2020 19:54

Instrument :

MSVOA_U

ClientSampleId :

VU0729WBS01

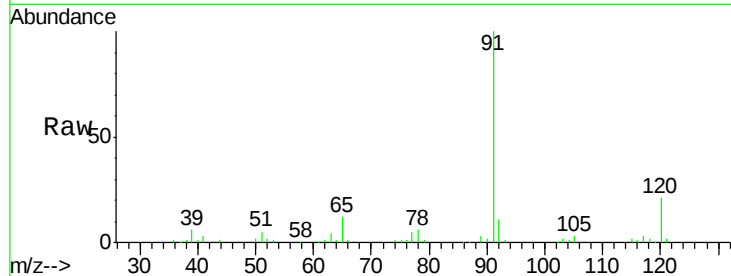
Tot Ion:120 Resp: 13247

Ion Ratio Lower Upper

120 100

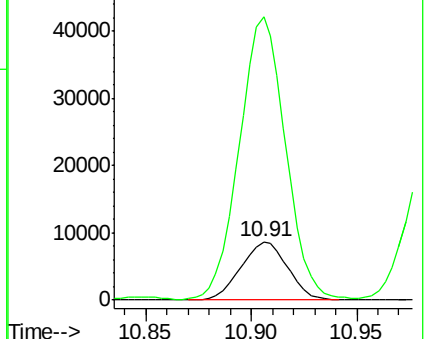
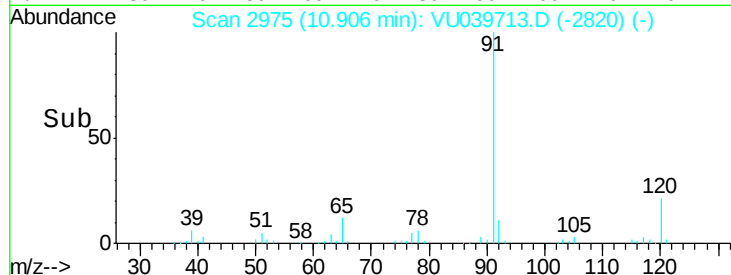
91 480.1 371.7 557.5

Manual Integrations
APPROVED



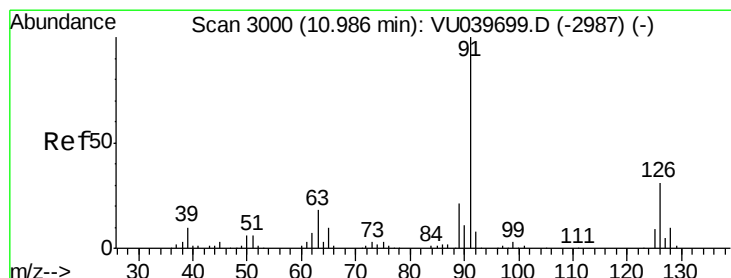
Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



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#74

2-Chlorotoluene

Concen: 1.781 ug/l

RT: 10.99 min Scan# 3000

Delta R.T. -0.00 min

Lab File: VU039713.D

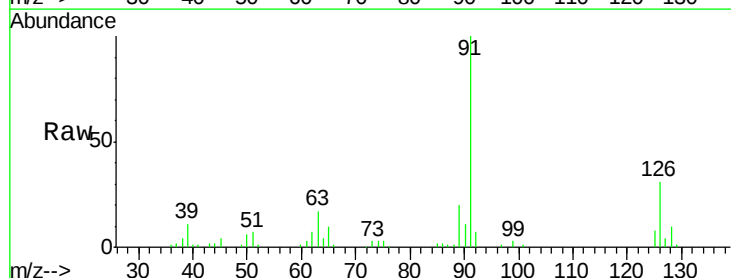
Acq: 29 Jul 2020 19:54

Tgt Ion:126 Resp: 11849

Ion Ratio Lower Upper

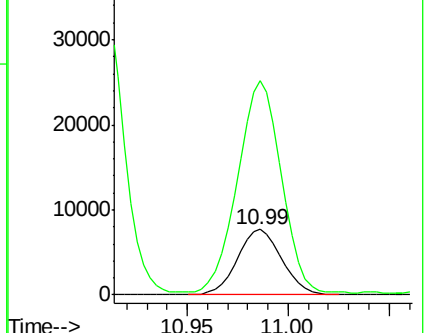
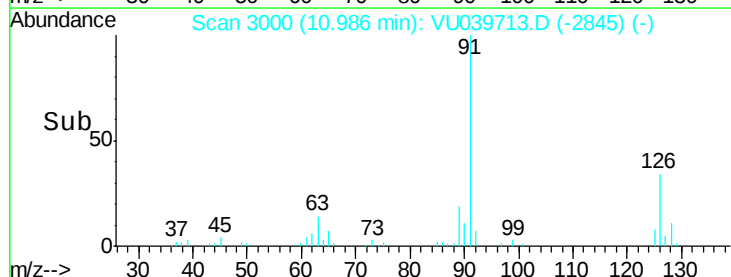
126 100

91 318.6 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: 1.761 ug/l

RT: 11.09 min Scan# 3031

Delta R.T. -0.00 min

Lab File: VU039713.D

Acq: 29 Jul 2020 19:54

Instrument :

MSVOA_U

ClientSampleId :

VU0729WBS01

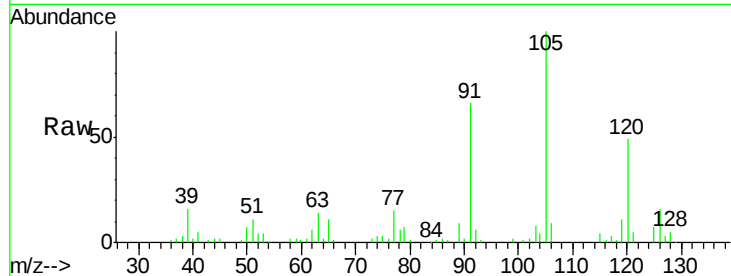
Tot Ion:105 Resp: 42649

Ion Ratio Lower Upper

105 100

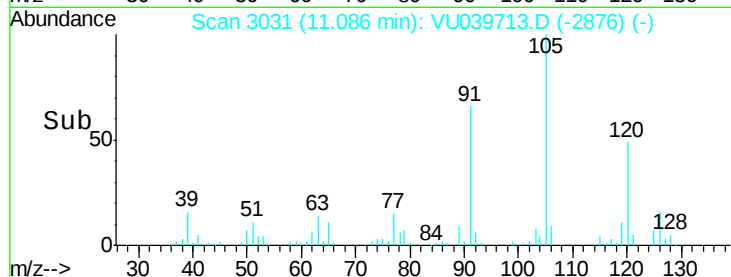
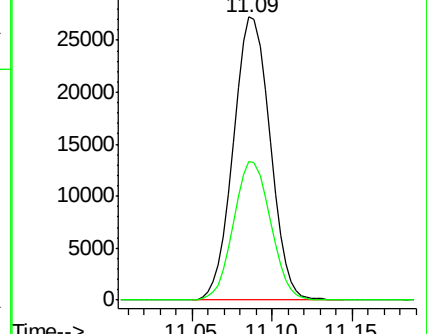
120 49.3 38.0 57.0

Manual Integrations
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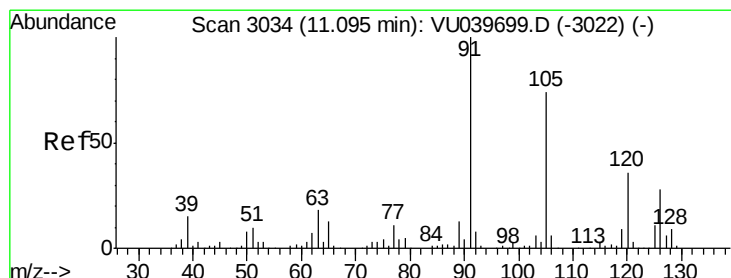
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



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#76

4-Chlorotoluene

Concen: 1.832 ug/l

RT: 11.10 min Scan# 3034

Delta R.T. -0.00 min

Lab File: VU039713.D

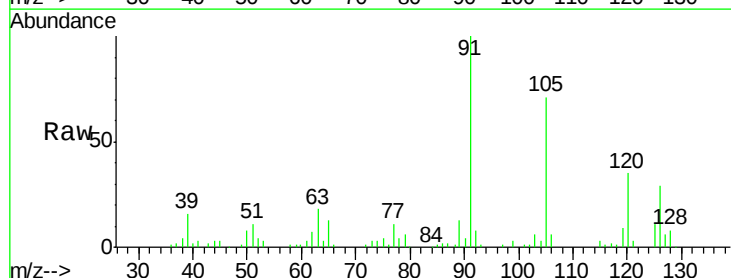
Acq: 29 Jul 2020 19:54

Tgt Ion:126 Resp: 12625

Ion Ratio Lower Upper

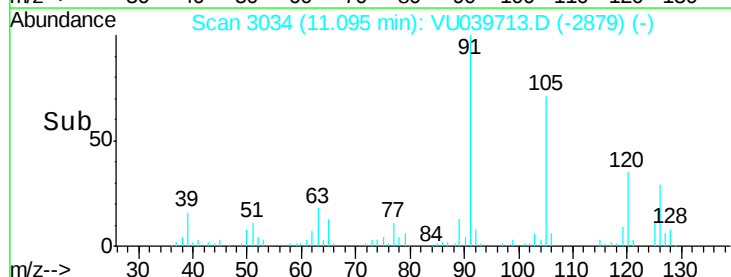
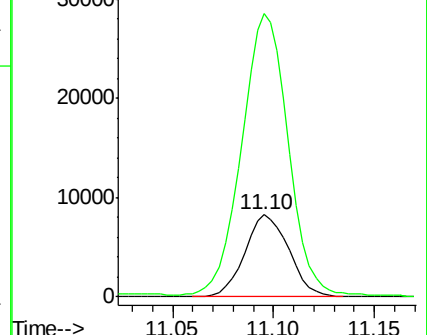
126 100

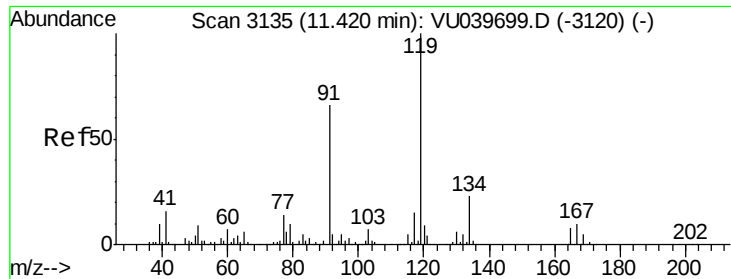
91 369.0 0.0 732.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0



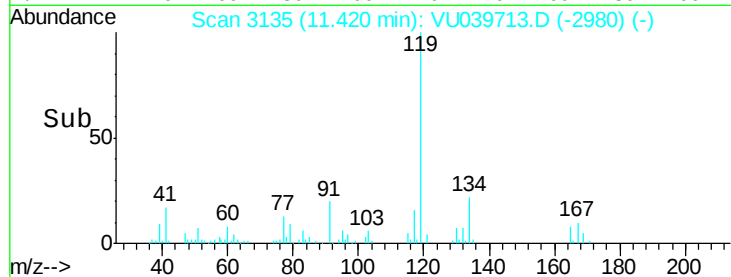
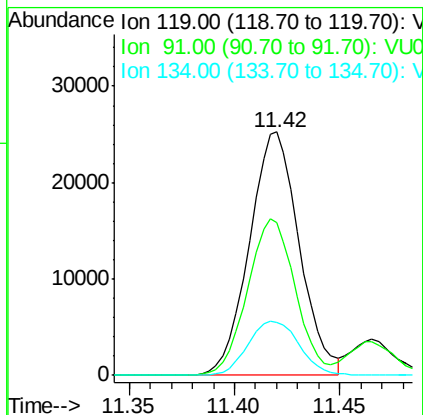
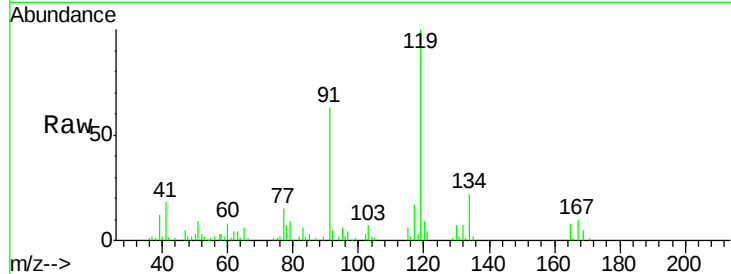


#77
 tert-Butylbenzene
 Concen: 1.788 ug/l
 RT: 11.42 min Scan# 3135
 Delta R.T. -0.00 min
 Lab File: VU039713.D
 Acq: 29 Jul 2020 19:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0729WBS01

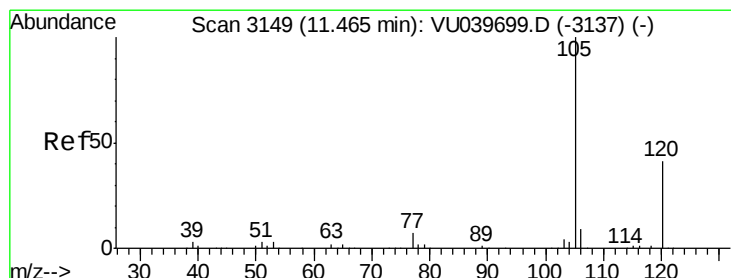
Tot Ion	Ratio	Lower	Upper
119	100		
91	61.8	31.9	95.5
134	22.8	18.2	27.4

Manual Integrations
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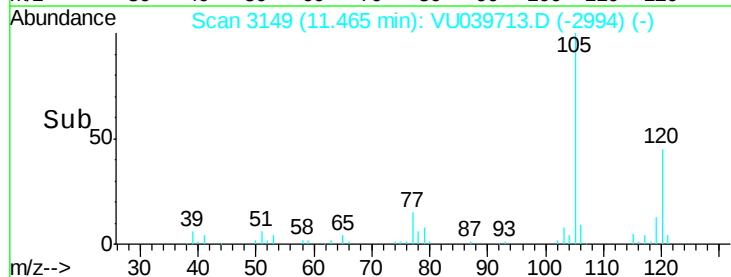
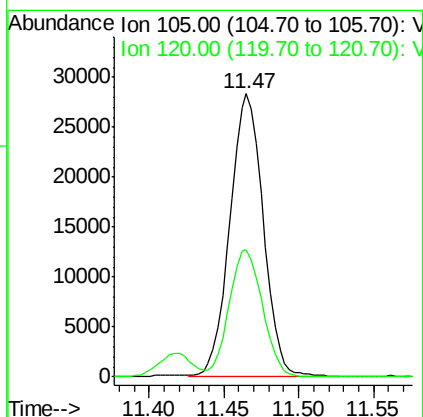
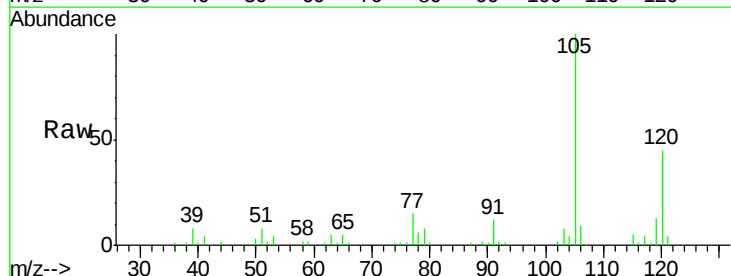
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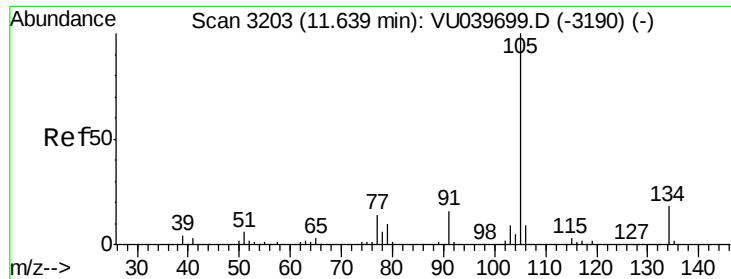
7/31/2020 3:42:08 PM



#78
 1,2,4-Trimethylbenzene
 Concen: 1.780 ug/l
 RT: 11.47 min Scan# 3149
 Delta R.T. -0.00 min
 Lab File: VU039713.D
 Acq: 29 Jul 2020 19:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.7	68.0



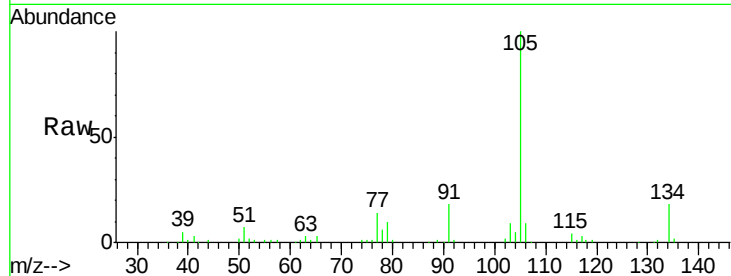


#79
 sec-Butylbenzene
 Concen: 1.767 ug/l
 RT: 11.64 min Scan# 3203
 Delta R.T. -0.00 min
 Lab File: VU039713.D
 Acq: 29 Jul 2020 19:54

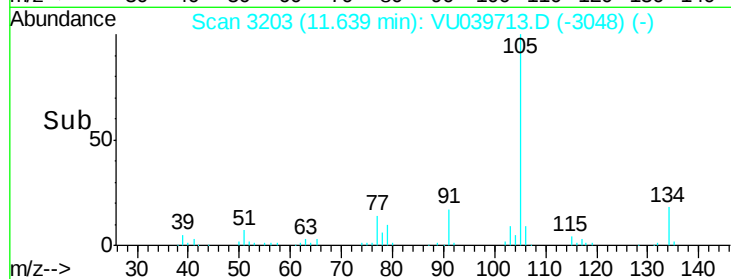
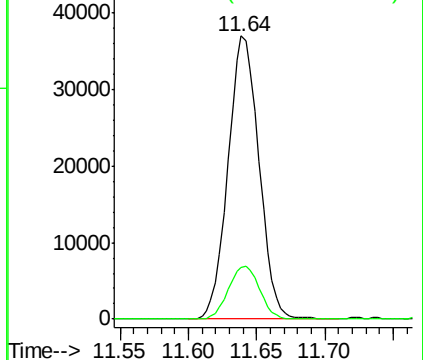
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0729WBS01

Tot Ion: 105 Resp: 58432
 Ion Ratio Lower Upper
 105 100
 134 18.6 14.8 22.2

Manual Integrations
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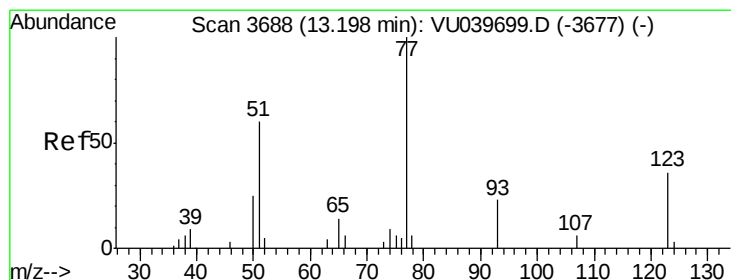


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 134.00 (133.70 to 134.70): V



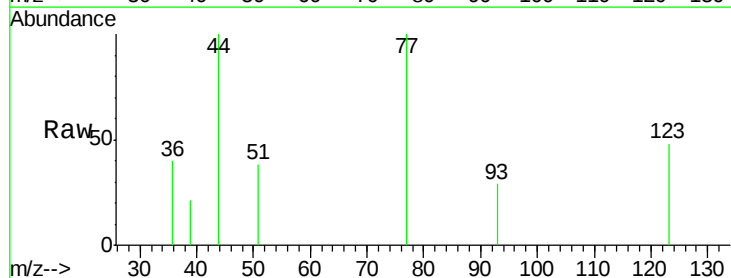
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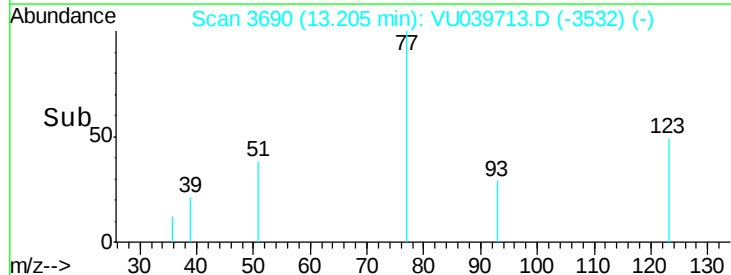
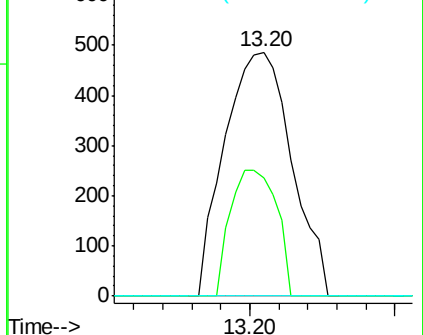


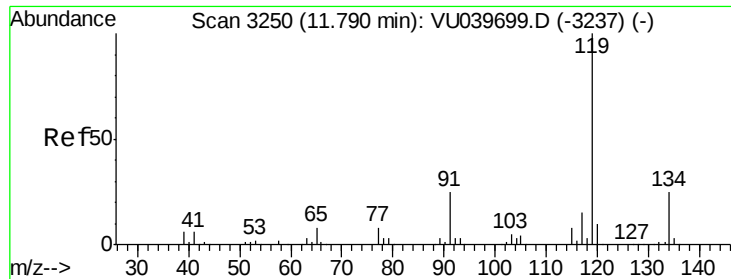
#80
 Nitrobenzene
 Concen: 6.509 ug/l
 RT: 13.20 min Scan# 3690
 Delta R.T. 0.01 min
 Lab File: VU039713.D
 Acq: 29 Jul 2020 19:54

Tgt Ion: 77 Resp: 783
 Ion Ratio Lower Upper
 77 100
 123 35.4 16.9 59.9
 65 0.0 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



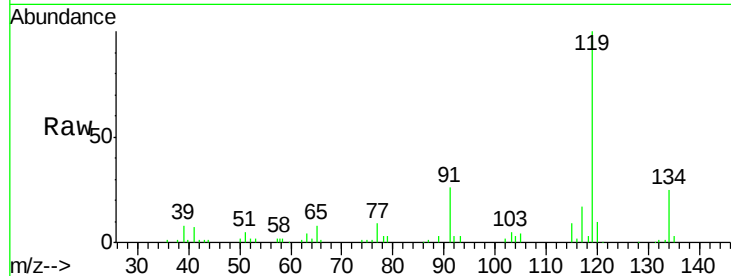


#81
 p-Isopropyltoluene
 Concen: 1.717 ug/l
 RT: 11.79 min Scan# 3250
 Delta R.T. -0.00 min
 Lab File: VU039713.D
 Acq: 29 Jul 2020 19:54

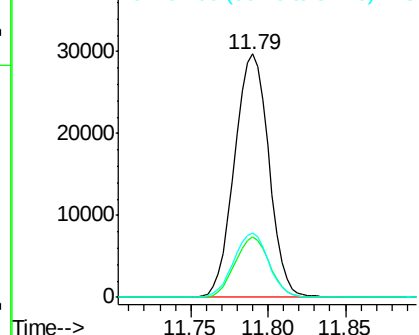
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0729WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.7	20.2	30.4
91	26.8	20.7	31.1

Manual Integrations
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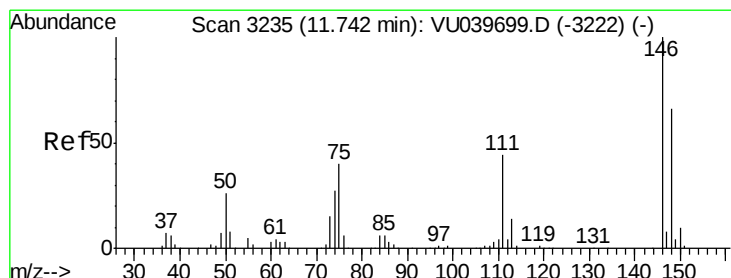
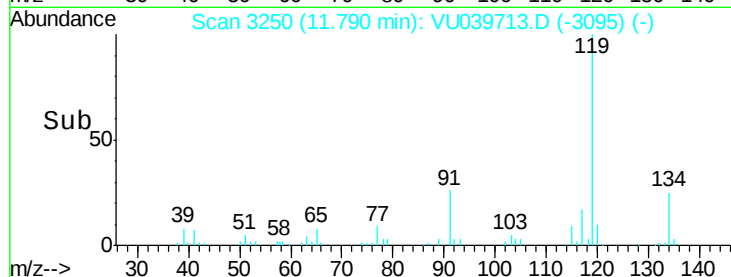


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V



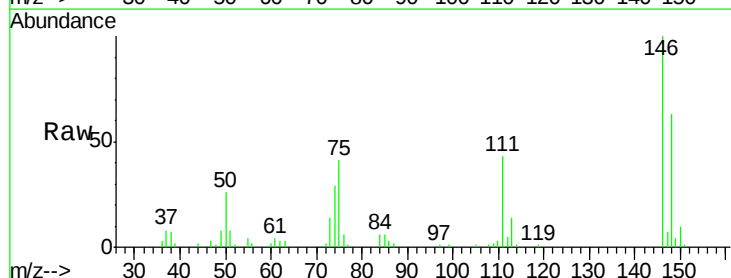
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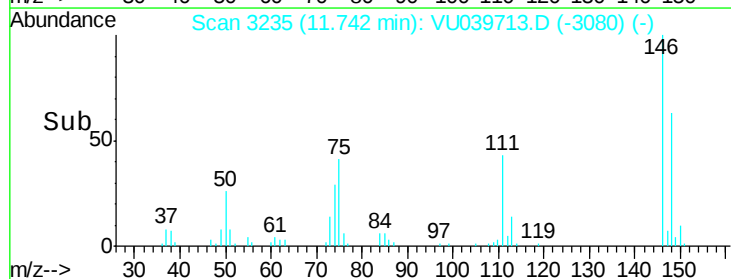
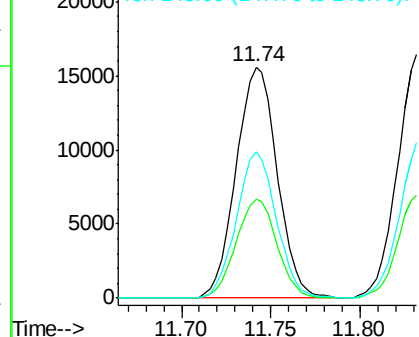


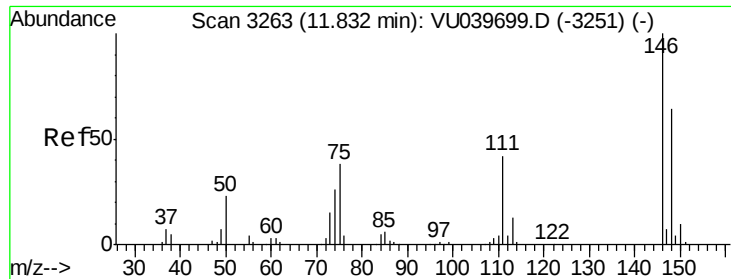
#82
 1,3-Dichlorobenzene
 Concen: 1.835 ug/l
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU039713.D
 Acq: 29 Jul 2020 19:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	34.5	51.7
148	61.6	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



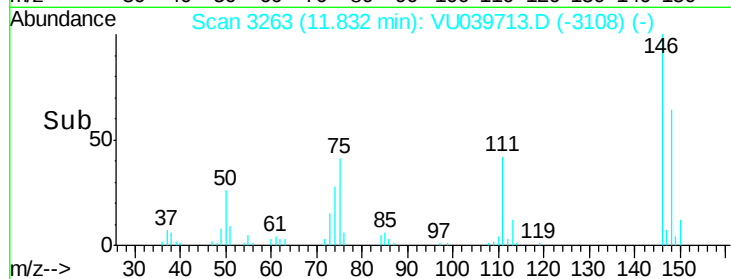
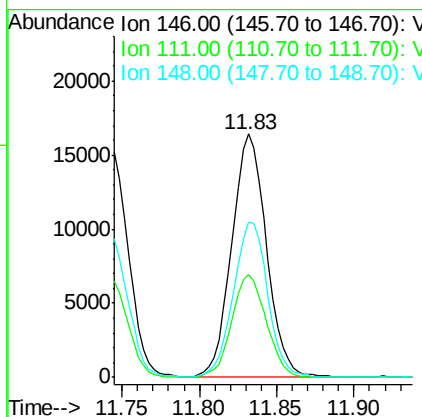
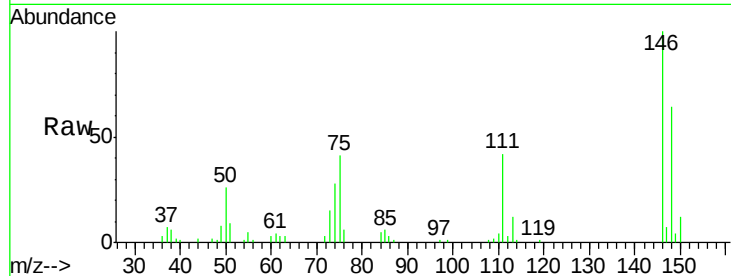


#83
 1,4-Dichlorobenzene
 Concen: 1.854 ug/l
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU039713.D
 Acq: 29 Jul 2020 19:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0729WBS01

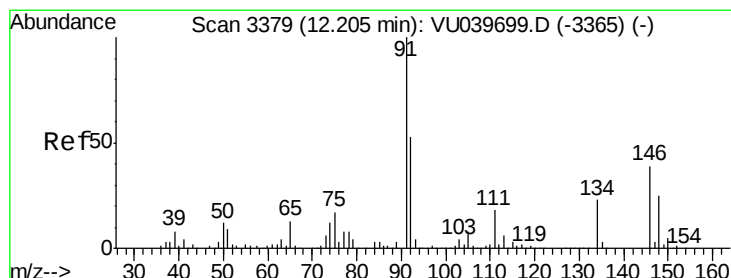
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	33.8	50.6
148	63.4	51.1	76.7

Manual Integrations
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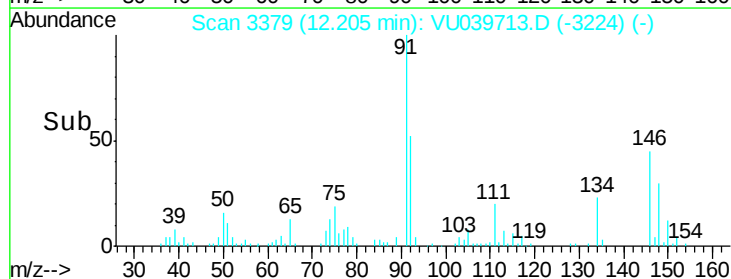
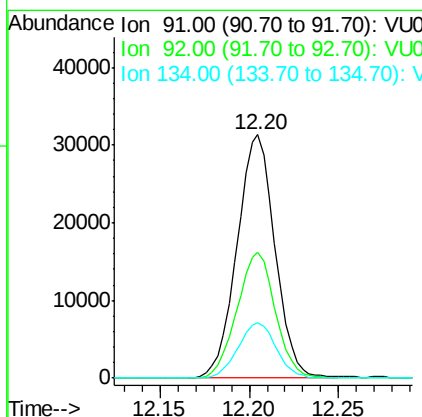
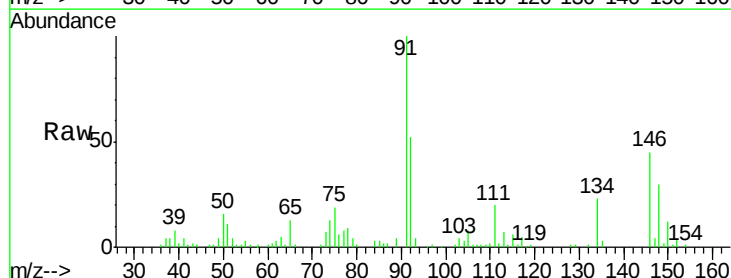
MMDadoda

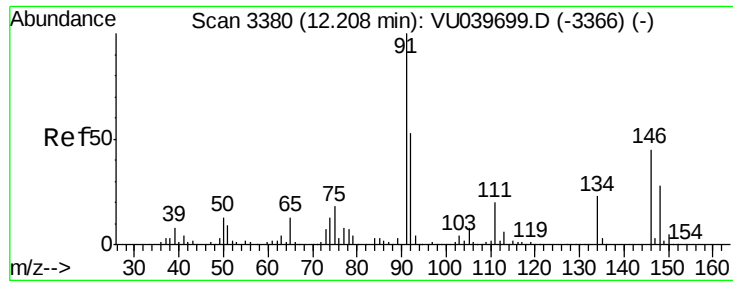
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#84
 n-Butylbenzene
 Concen: 1.647 ug/l
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU039713.D
 Acq: 29 Jul 2020 19:54

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.2	42.6	64.0
134	22.8	18.2	27.4



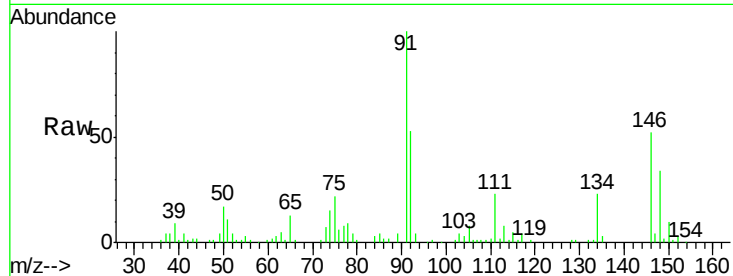


#85
 1,2-Dichlorobenzene
 Concen: 1.830 ug/l
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU039713.D
 Acq: 29 Jul 2020 19:54

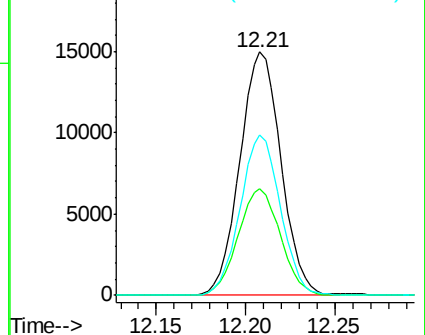
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0729WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	22.8	68.3
148	64.0	31.7	95.1

Manual Integrations
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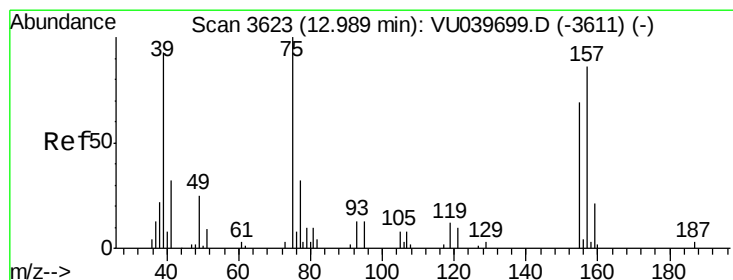
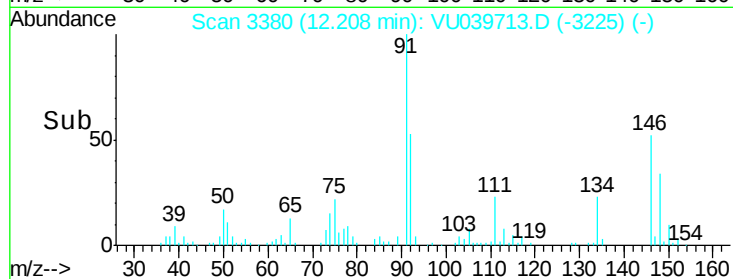


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V



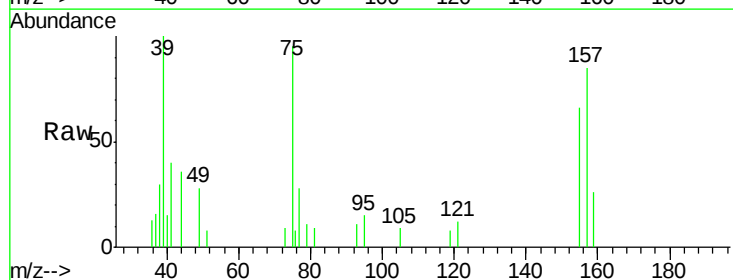
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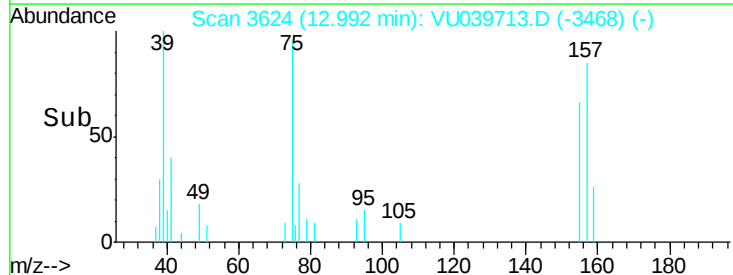
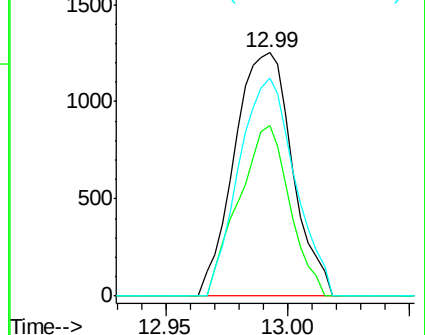


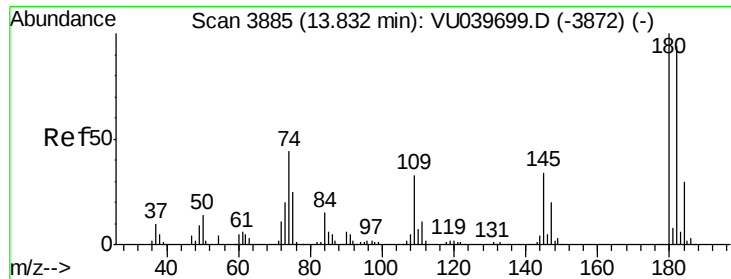
#86
 1,2-Dibromo-3-Chloropropane
 Concen: 1.724 ug/l
 RT: 12.99 min Scan# 3624
 Delta R.T. 0.00 min
 Lab File: VU039713.D
 Acq: 29 Jul 2020 19:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	61.5	52.9	79.3
157	86.3	67.8	101.6



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V



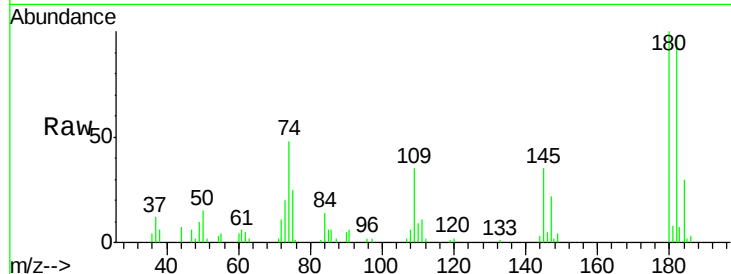


#87
 1,2,4-Trichlorobenzene
 Concen: 1.643 ug/l
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU039713.D
 Acq: 29 Jul 2020 19:54

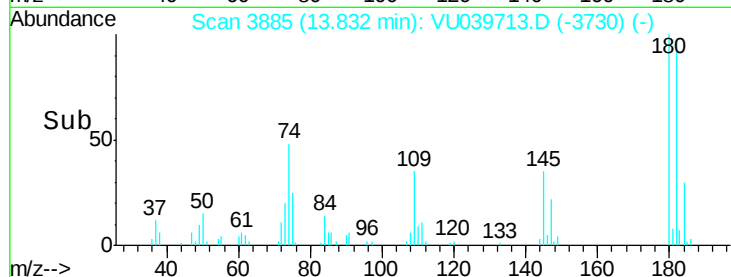
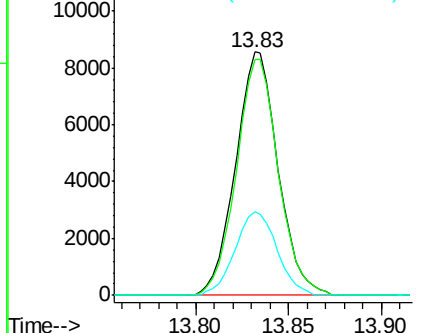
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0729WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.2	114.4
145	34.1	26.8	40.2

Manual Integrations
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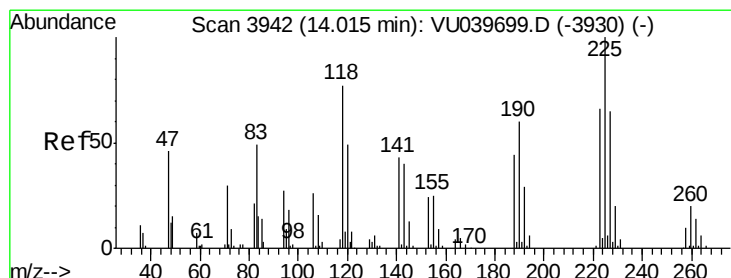


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



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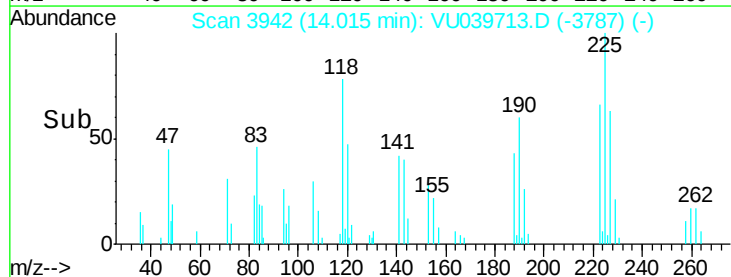
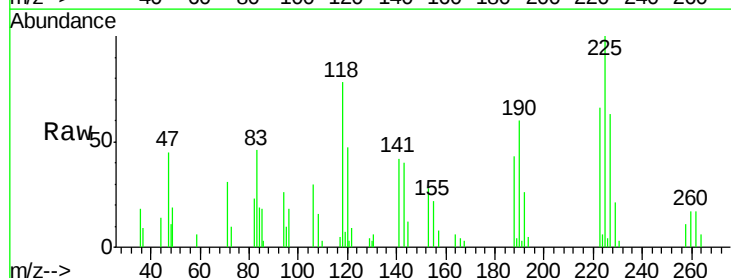
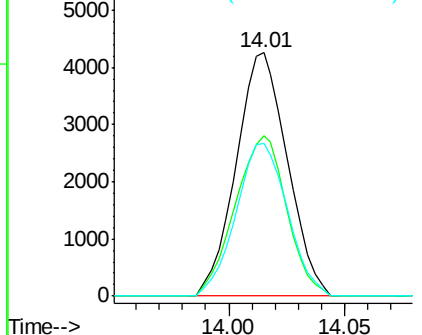
7/31/2020 3:42:08 PM

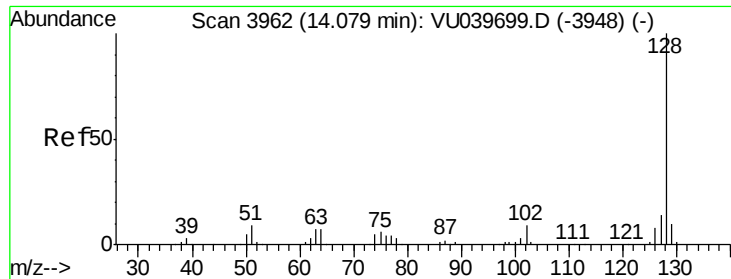


#88
 Hexachlorobutadiene
 Concen: 1.739 ug/l
 RT: 14.01 min Scan# 3942
 Delta R.T. -0.00 min
 Lab File: VU039713.D
 Acq: 29 Jul 2020 19:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.3	52.4	78.6
227	62.9	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



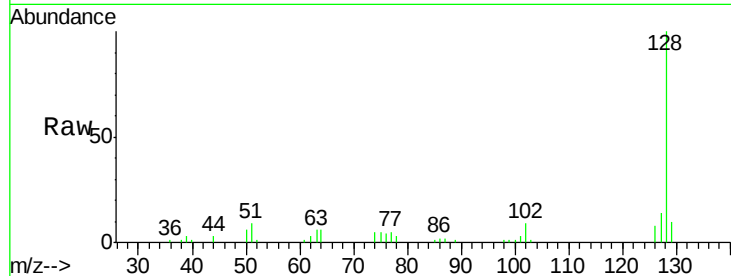


#89
Naphthalene
Concen: 1.556 ug/l
RT: 14.08 min Scan# 3962
Delta R.T. -0.00 min
Lab File: VU039713.D
Acq: 29 Jul 2020 19:54

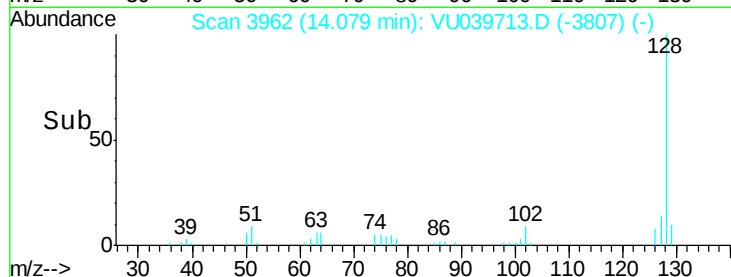
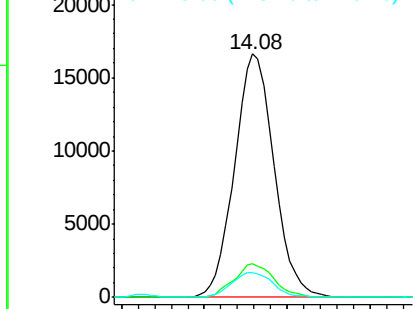
Instrument :
MSVOA_U
ClientSampleId :
VU0729WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	11.0	16.4
129	10.7	8.4	12.6

Manual Integrations
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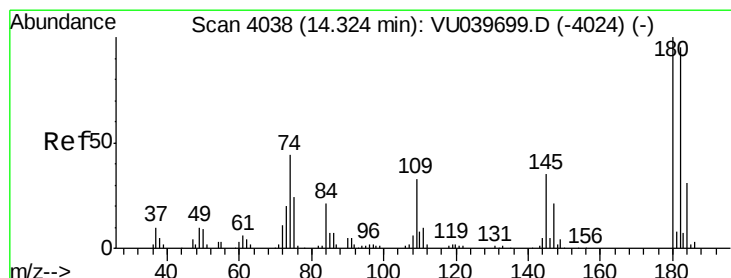


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



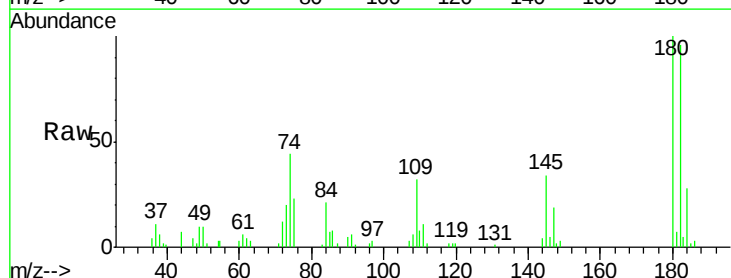
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#90
1,2,3-Trichlorobenzene
Concen: 1.744 ug/l
RT: 14.32 min Scan# 4038
Delta R.T. -0.00 min
Lab File: VU039713.D
Acq: 29 Jul 2020 19:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.1	76.0	114.0
145	35.5	27.8	41.6



Abundance Ion 179.70 (179.40 to 180.40): V
Ion 181.70 (181.40 to 182.40): V
Ion 144.80 (144.50 to 145.50): V

