

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U072920\
 Data File : VU039700.D
 Acq On : 29 Jul 2020 13:07
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Quant Time: Jul 30 01:37:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 30 01:17:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.12	96	21708	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.64	95	9587	1.13	ug/l	0.00
Spiked Amount 1.000			Recovery	=	113.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	9301	1.13	ug/l	0.00
Spiked Amount 1.000			Recovery	=	113.00%	

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Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	150146	20.250	ug/l	99
3) Chloromethane	1.53	50	178414	20.213	ug/l	100
4) Vinyl Chloride	1.61	62	169253	19.571	ug/l	100
5) Bromomethane	1.85	94	101457	18.916	ug/l	99
6) Chloroethane	1.94	64	110077	20.878	ug/l	97
7) Trichlorofluoromethane	2.15	101	220802	23.436	ug/l	96
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	126295	21.852	ug/l	99
9) 1,1-Dichloroethene	2.59	96	117558	20.482	ug/l	98
10) Iodomethane	2.74	142	149505	39.152	ug/l	99
11) Allyl Chloride	2.93	41	254255	23.390	ug/l	100
12) Acrylonitrile	3.33	53	79790m	48.922	ug/l	
13) Acetone	2.64	43	182491	135.167	ug/l	98
14) Carbon Disulfide	2.80	76	432277	20.630	ug/l	99
15) Methylene Chloride	3.06	84	143147	17.975	ug/l	99
16) trans-1,2-Dichloroethene	3.37	96	133702	21.231	ug/l	99
17) 1,1-Dichloroethane	3.89	63	287716	23.405	ug/l	99
18) 2-Butanone	4.74	43	317109	152.238	ug/l	99
19) Cyclohexane	5.40	56	276385m	23.364	ug/l	
20) Methylcyclohexane	6.77	83	238045	21.268	ug/l	99
21) 2,2-Dichloropropane	4.68	77	232105	22.845	ug/l	99
22) cis-1,2-Dichloroethene	4.68	96	144739	21.689	ug/l	99
23) Diethyl Ether	2.39	59	117693	22.872	ug/l	98
24) tert-Butyl Alcohol	3.20	59	142060	242.166	ug/l	99
25) Methyl tert-Butyl Ether	3.38	73	389387	23.980	ug/l	99
26) Bromochloromethane	4.99	128	56170	20.865	ug/l	98
27) Chloroform	5.11	83	264968	23.061	ug/l	99
28) 1,1,1-Trichloroethane	5.33	97	217897	23.121	ug/l	98
29) 1,1-Dichloropropene	5.54	75	210636	22.412	ug/l	99
30) Carbon Tetrachloride	5.53	117	184423	23.478	ug/l	96
31) Isopropyl Ether	4.02	45	539238	26.184	ug/l	99
32) Ethyl-t-butyl ether	4.53	59	448243	24.409	ug/l	99
33) Tert-Amyl methyl ether	5.97	73	346100	22.512	ug/l	100
34) Propionitrile	4.80	54	77941	134.683	ug/l	98
35) Benzene	5.79	78	527717	20.461	ug/l	100
36) 1,2-Dichloroethane	5.81	62	193175	24.211	ug/l	100
37) Trichloroethene	6.55	130	122290	18.312	ug/l	94
38) 1,2-Dichloropropane	6.81	63	149663	21.256	ug/l	98
39) Methacrylonitrile	5.00	41	77653	28.421	ug/l	97
40) Methyl acrylate	4.87	55	109497	27.592	ug/l	98
41) Tetrahydrofuran	5.09	42	78270	56.992	ug/l	99
42) 1-Chlorobutane	5.47	56	330294	23.965	ug/l	100

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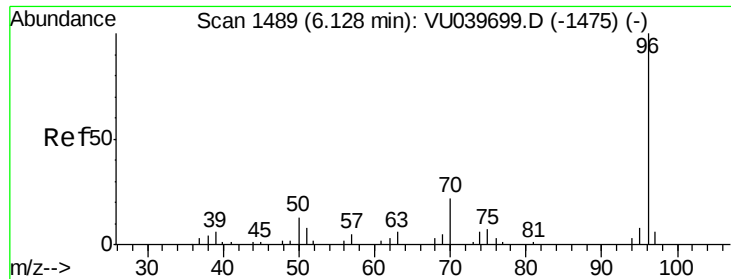
Instrument :
 MSVOA_U
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Manual Integrations
 APPROVED

Quant Time: Jul 30 01:37:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072920DW.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.93	93	78172	23.394	ug/l	99
44) Bromodichloromethane	7.12	83	188787	22.731	ug/l	97
45) 4-Methyl-2-Pentanone	7.81	43	663201	140.989	ug/l	99
46) t-1,4-Dichloro-2-butene	10.83	75	90597m	63.030	ug/l	
47) Methyl methacrylate	6.98	69	163311	48.237	ug/l	99
48) Ethyl methacrylate	8.35	69	158755	25.474	ug/l	98
49) Toluene	7.98	92	346424	21.265	ug/l	99
50) t-1,3-Dichloropropene	8.22	75	195089	23.316	ug/l	98
51) cis-1,3-Dichloropropene	7.62	75	216589	21.772	ug/l	98
52) 1,1,2-Trichloroethane	8.41	97	105828	22.657	ug/l	99
53) 1,3-Dichloropropane	8.58	76	201709	22.948	ug/l	99
54) 2-Hexanone	8.70	43	477372	143.113	ug/l	99
55) Dibromochloromethane	8.82	129	123451	23.877	ug/l	98
56) 1,2-Dibromoethane	8.93	107	104876	23.617	ug/l	100
58) Tetrachloroethene	8.56	164	108452	17.713	ug/l	96
59) Chlorobenzene	9.45	112	355355	20.626	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.54	131	120512	22.723	ug/l	99
61) Pentachloroethane	11.43	117	107864	26.274	ug/l	98
62) Hexachloroethane	12.47	117	108296	25.752	ug/l	99
63) Ethyl Benzene	9.57	91	675202	21.882	ug/l	99
64) m/p-Xylenes	9.70	106	528221	44.332	ug/l	100
65) o-Xylene	10.10	106	251521	21.780	ug/l	98
66) Styrene	10.11	104	443598	23.126	ug/l	99
67) Bromoform	10.29	173	68985	25.395	ug/l	96
69) Isopropylbenzene	10.48	105	675734	22.357	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.78	83	159673	26.003	ug/l	99
71) 1,2,3-Trichloropropane	10.83	75	118583m	25.586	ug/l	
72) Bromobenzene	10.78	156	147377	21.937	ug/l	97
73) n-propylbenzene	10.91	120	188027	22.621	ug/l	100
74) 2-Chlorotoluene	10.99	126	152969	21.915	ug/l	99
75) 1,3,5-Trimethylbenzene	11.09	105	593616	23.420	ug/l	100
76) 4-Chlorotoluene	11.10	126	161951	22.280	ug/l	99
77) tert-Butylbenzene	11.42	119	564820	23.466	ug/l	99
78) 1,2,4-Trimethylbenzene	11.47	105	607391	23.267	ug/l	100
79) sec-Butylbenzene	11.64	105	787967	22.900	ug/l	100
80) Nitrobenzene	13.20	77	17162	102.896	ug/l	96
81) p-Isopropyltoluene	11.79	119	644181	23.174	ug/l	100
82) 1,3-Dichlorobenzene	11.74	146	299790	21.354	ug/l	99
83) 1,4-Dichlorobenzene	11.83	146	303852	21.394	ug/l	100
84) n-Butylbenzene	12.20	91	686336	24.580	ug/l	99
85) 1,2-Dichlorobenzene	12.21	146	287283	21.814	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.99	75	29056	29.079	ug/l	96
87) 1,2,4-Trichlorobenzene	13.83	180	196838	20.868	ug/l	100
88) Hexachlorobutadiene	14.01	225	85331	20.432	ug/l	98
89) Naphthalene	14.08	128	449988	24.249	ug/l	100
90) 1,2,3-Trichlorobenzene	14.32	180	183124	21.677	ug/l	100

(#) = 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: VU039700.D

Acq: 29 Jul 2020 13:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 21708

Ion Ratio Lower Upper

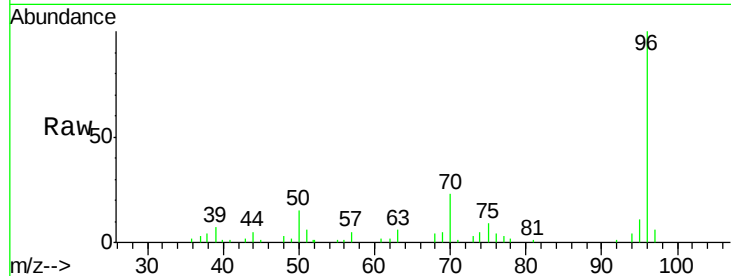
96 100

70 20.5 16.3 24.5

95 0.0 6.8 10.2#

97 0.0 0.0 0.0

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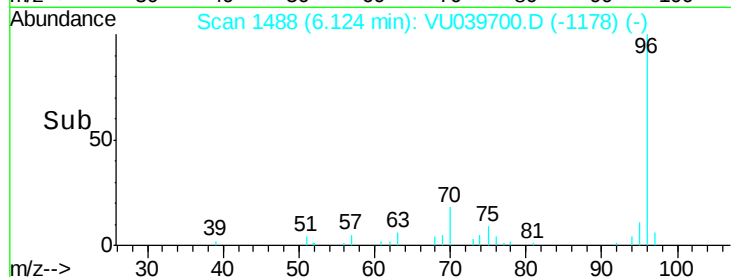
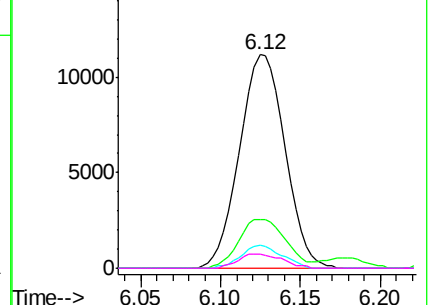


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

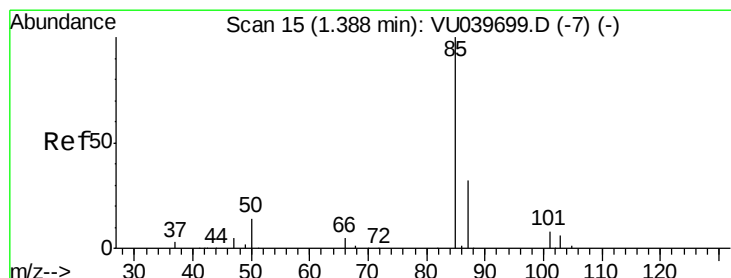
Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



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#2

Dichlorodifluoromethane

Concen: 20.250 ug/l

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU039700.D

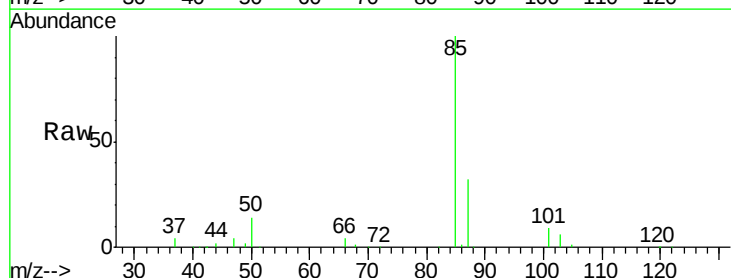
Acq: 29 Jul 2020 13:07

Tgt Ion: 85 Resp: 150146

Ion Ratio Lower Upper

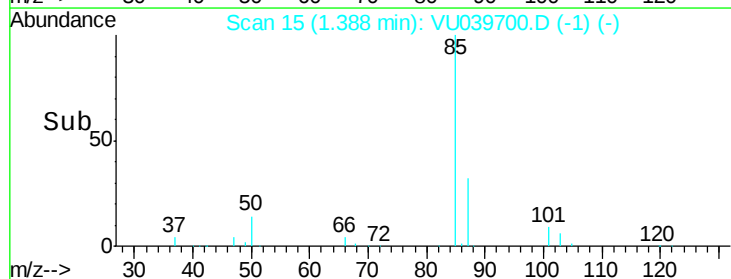
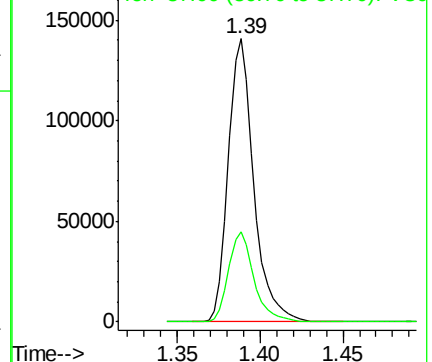
85 100

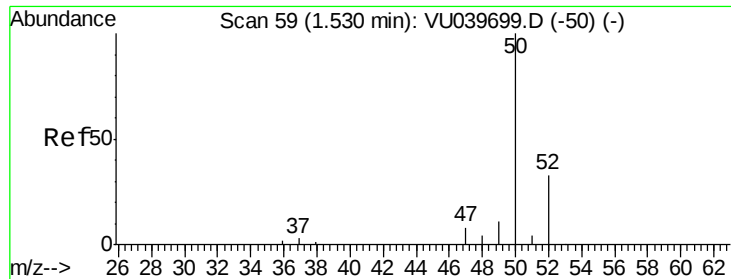
87 31.7 16.2 48.6



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 20.213 ug/l

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU039700.D

Acq: 29 Jul 2020 13:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

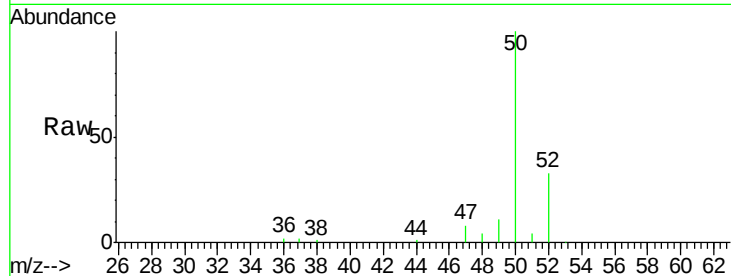
Tot Ion: 50 Resp: 178414

Ion Ratio Lower Upper

50 100

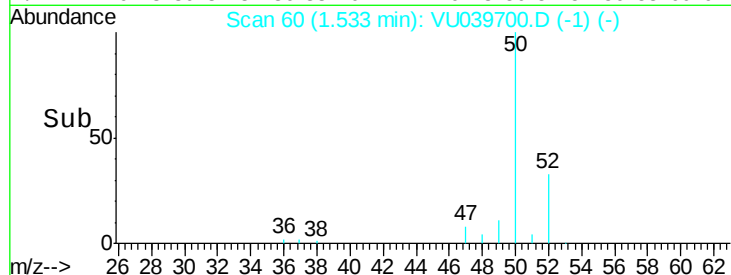
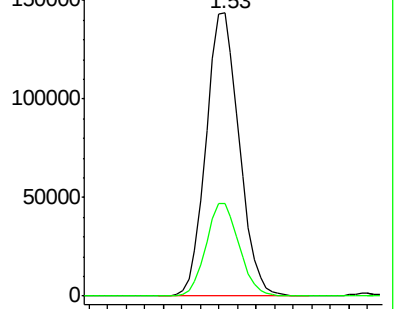
52 32.7 26.0 39.0

Manual Integrations
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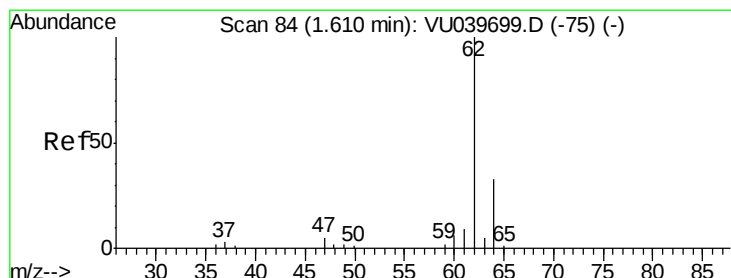
Abundance Ion 50.00 (49.70 to 50.70): VU039700.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU039700.D (-1) (-)



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#4

Vinyl Chloride

Concen: 19.571 ug/l

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039700.D

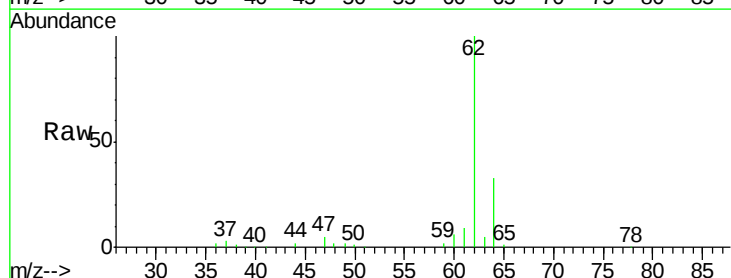
Acq: 29 Jul 2020 13:07

Tgt Ion: 62 Resp: 169253

Ion Ratio Lower Upper

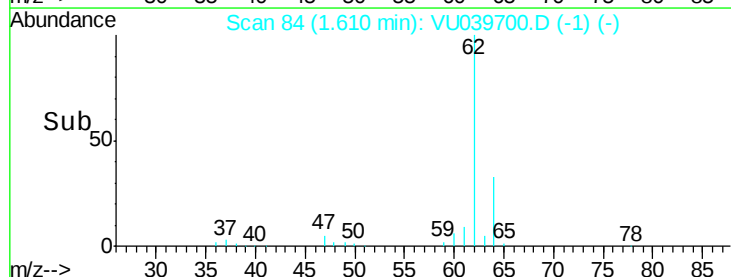
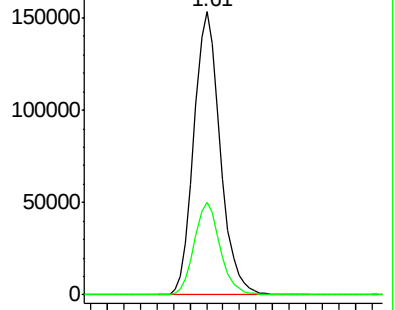
62 100

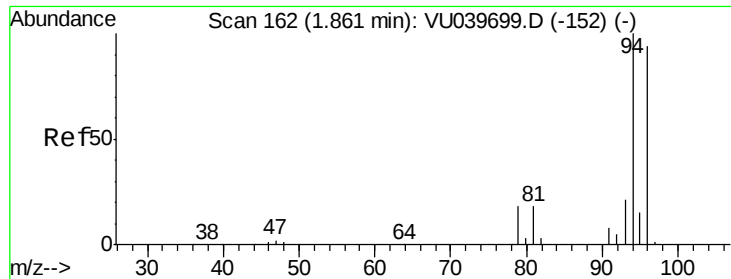
64 32.6 26.0 39.0



Abundance Ion 62.00 (61.70 to 62.70): VU039700.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU039700.D (-1) (-)





#5

Bromomethane

Concen: 18.916 ug/l

RT: 1.85 min Scan# 160

Delta R.T. -0.01 min

Lab File: VU039700.D

Acq: 29 Jul 2020 13:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 101457

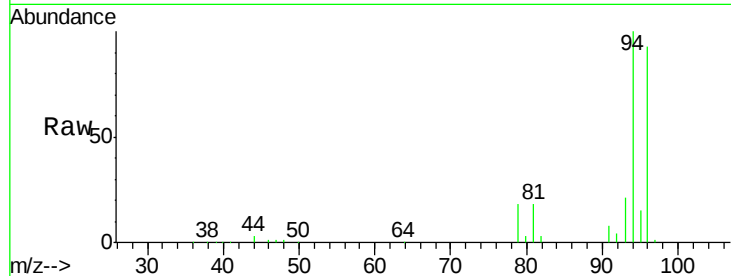
Ion Ratio Lower Upper

94 100

96 93.1 75.0 112.6

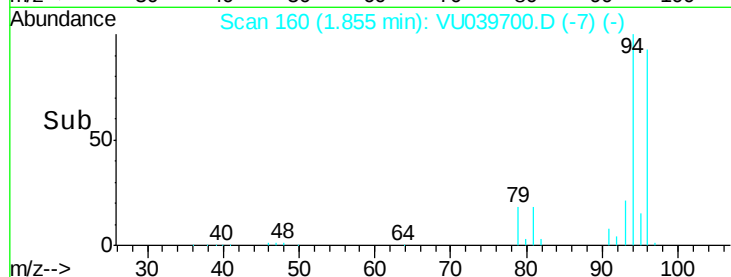
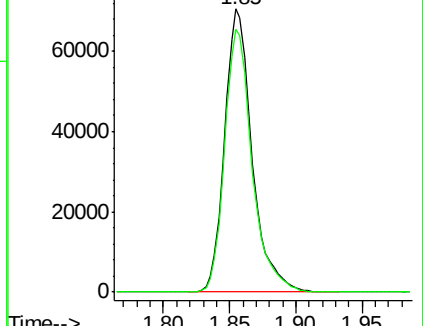
Manual Integrations

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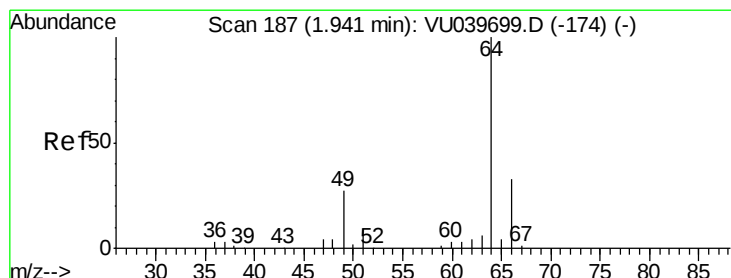
Abundance Ion 94.00 (93.70 to 94.70): VU039699.D (-152) (-)

Ion 96.00 (95.70 to 96.70): VU039699.D (-152) (-)



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#6

Chloroethane

Concen: 20.878 ug/l

RT: 1.94 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU039700.D

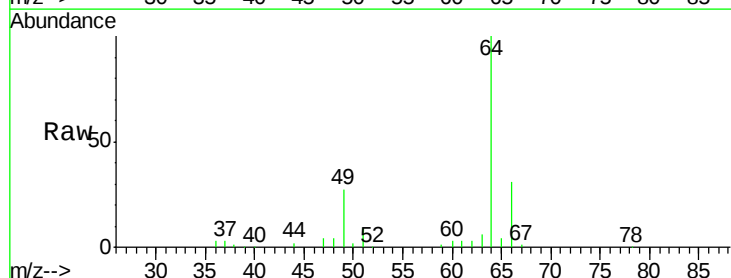
Acq: 29 Jul 2020 13:07

Tgt Ion: 64 Resp: 110077

Ion Ratio Lower Upper

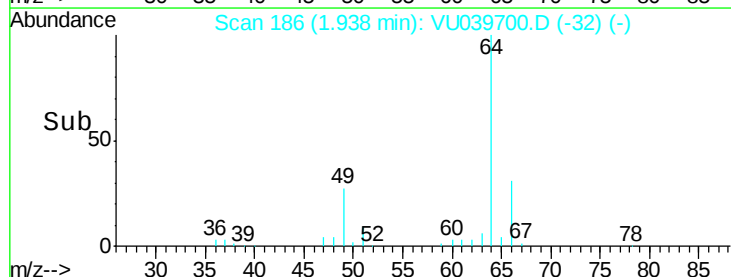
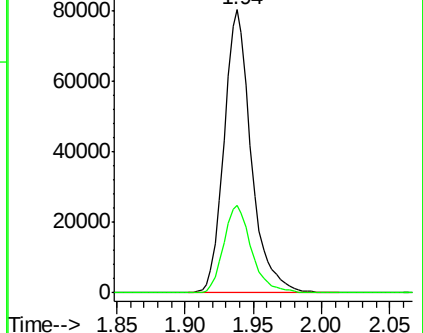
64 100

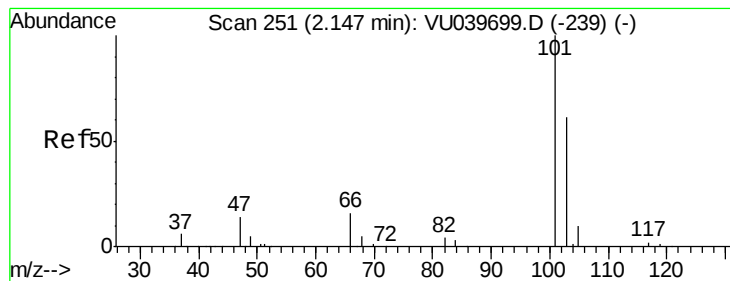
66 31.1 26.2 39.2



Abundance Ion 64.00 (63.70 to 64.70): VU039699.D (-174) (-)

Ion 66.00 (65.70 to 66.70): VU039699.D (-174) (-)





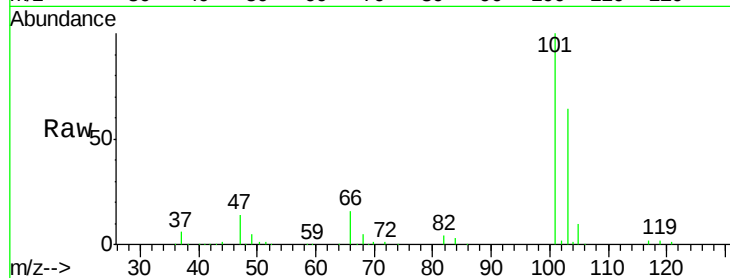
#7

Trichlorofluoromethane
Concen: 23.436 ug/l
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU039700.D
Acq: 29 Jul 2020 13:07

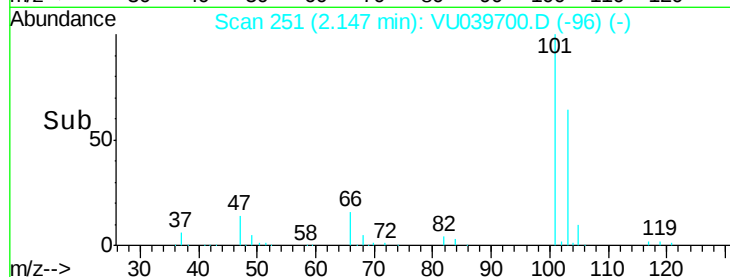
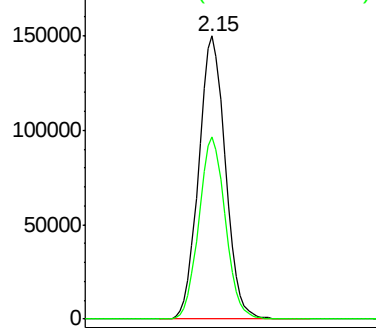
Instrument :
MSVOA_U
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	48.8	73.2

Manual Integrations
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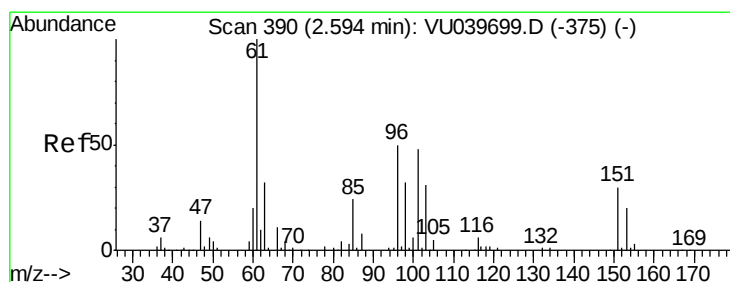


Abundance Ion 101.00 (100.70 to 101.70): V
Ion 103.00 (102.70 to 103.70): V



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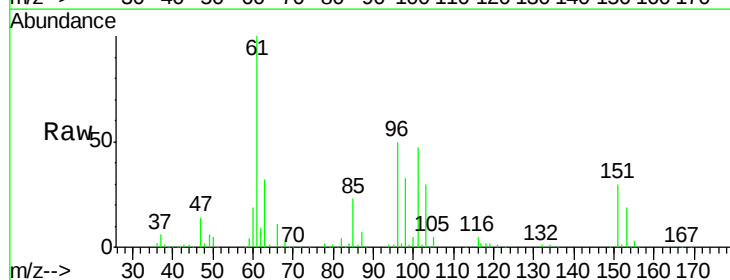
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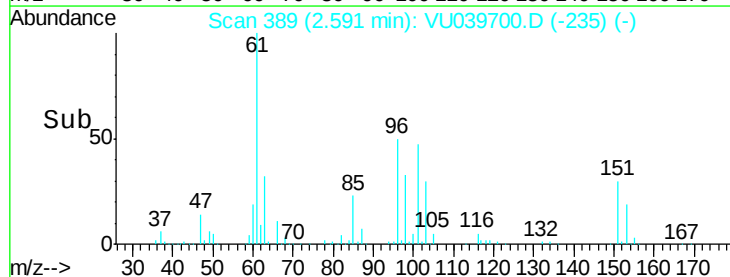
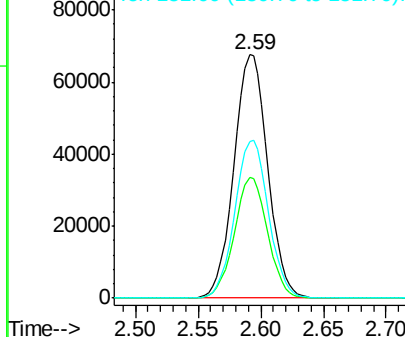
#8

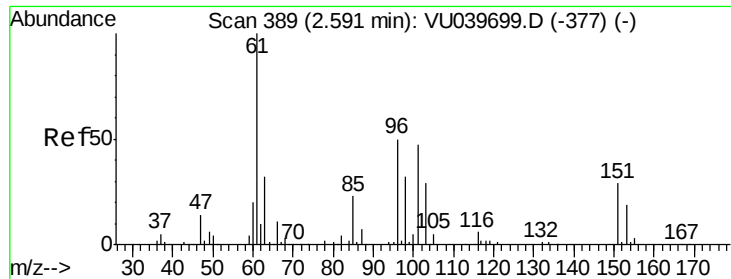
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 21.852 ug/l
RT: 2.59 min Scan# 389
Delta R.T. -0.00 min
Lab File: VU039700.D
Acq: 29 Jul 2020 13:07

Tgt Ion	Ratio	Lower	Upper
101	100		
85	48.9	39.9	59.9
151	64.8	51.0	76.4



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VU0
Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 20.482 ug/l

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039700.D

Acq: 29 Jul 2020 13:07

Instrument :

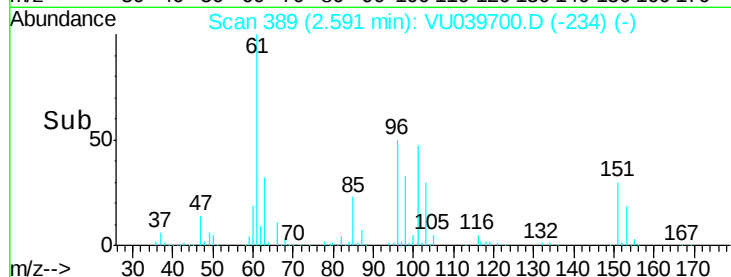
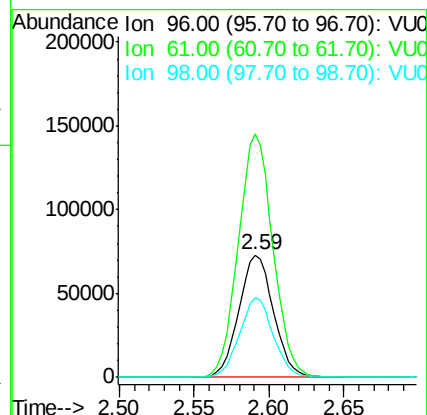
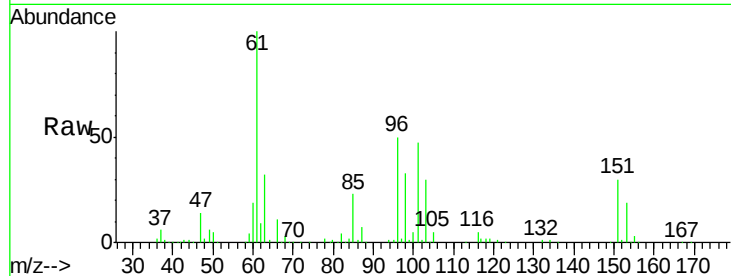
MSVOA_U

ClientSampleId :

VSTDIC020

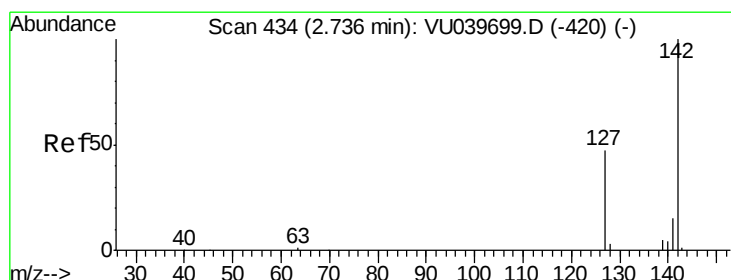
Tot Ion:	96	Resp:	117558
Ion	Ratio	Lower	Upper
96	100		
61	198.6	0.0	604.5
98	65.1	0.0	127.2

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#10

Iodomethane

Concen: 39.152 ug/l

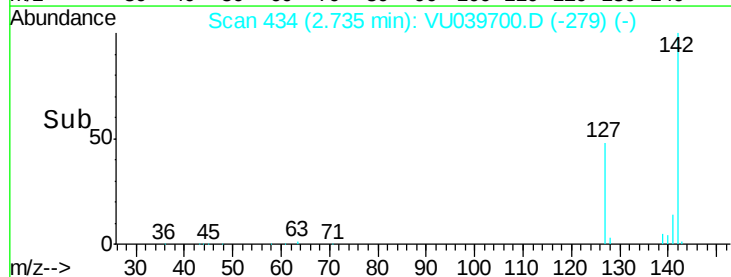
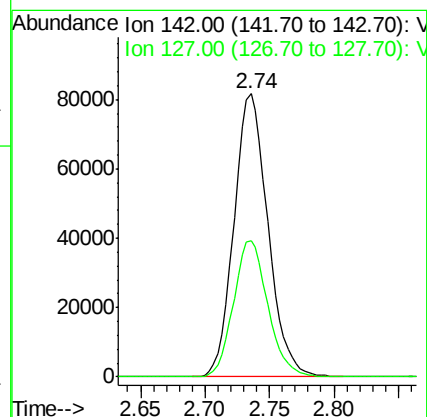
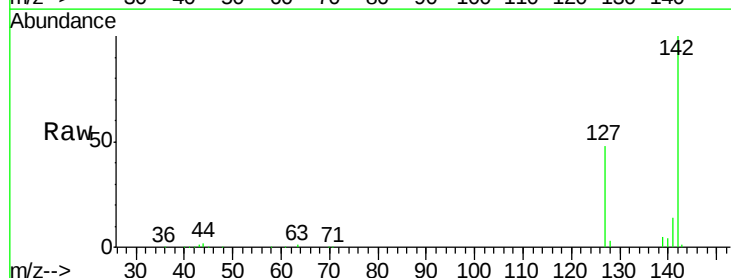
RT: 2.74 min Scan# 434

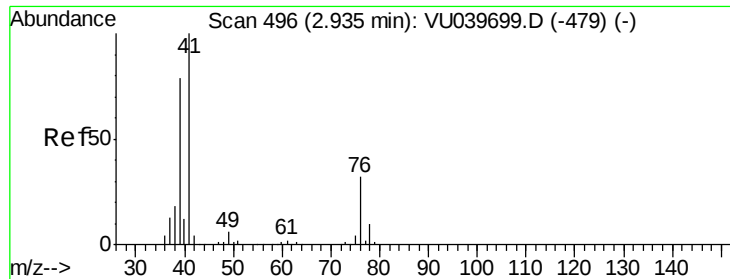
Delta R.T. -0.00 min

Lab File: VU039700.D

Acq: 29 Jul 2020 13:07

Tgt Ion:	142	Resp:	149505
Ion	Ratio	Lower	Upper
142	100		
127	48.6	38.4	57.6



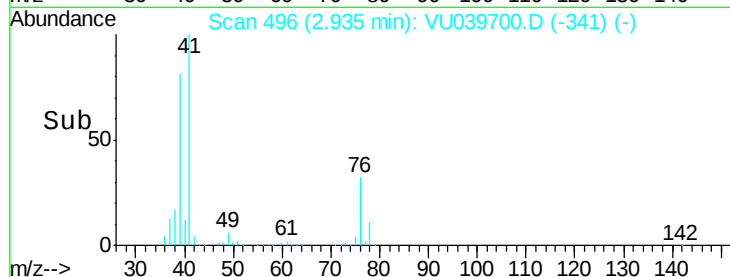
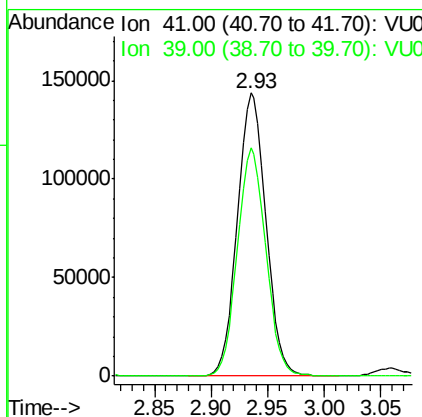
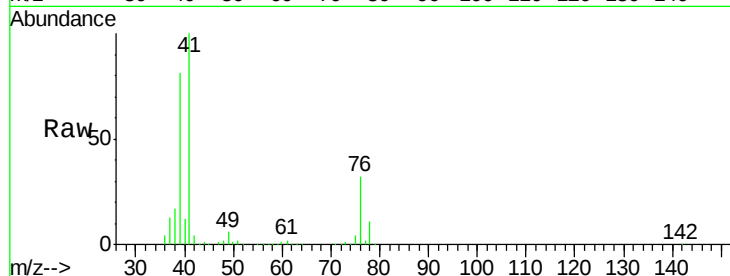


#11
Allvl Chloride
Concen: 23.390 ug/l
RT: 2.93 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU039700.D
Acq: 29 Jul 2020 13:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

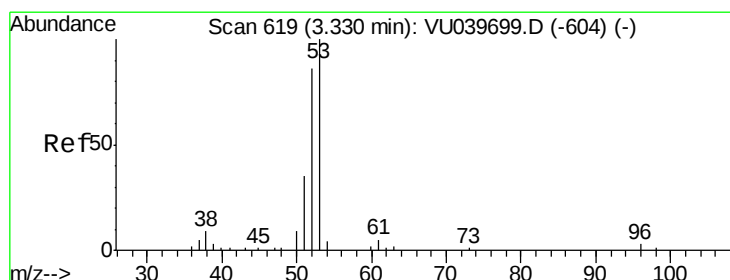
Tot Ion	Ratio	Lower	Upper
41	100		
39	80.6	64.2	96.2

Manual Integrations
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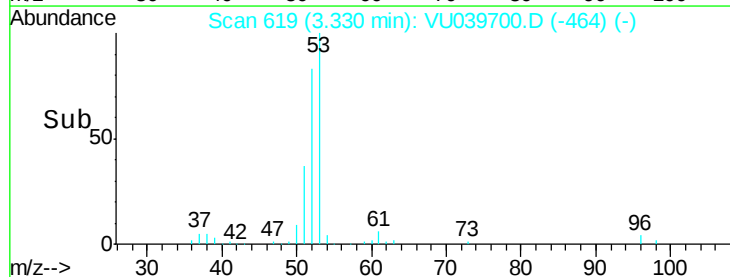
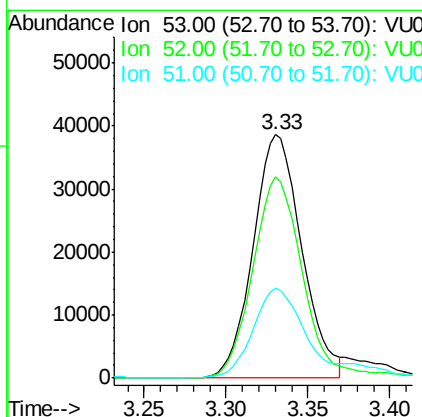
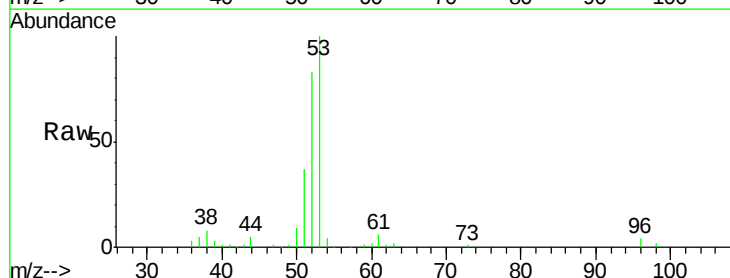
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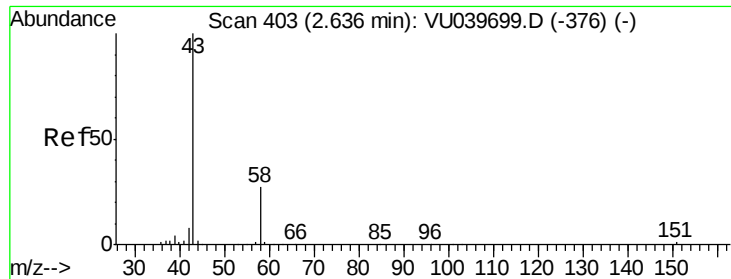
7/31/2020 3:43:07 PM



#12
Acrylonitrile
Concen: 48.922 ug/l m
RT: 3.33 min Scan# 619
Delta R.T. -0.00 min
Lab File: VU039700.D
Acq: 29 Jul 2020 13:07

Tgt Ion	Ratio	Lower	Upper
53	100		
52	85.7	69.1	103.7
51	38.7	29.4	44.2



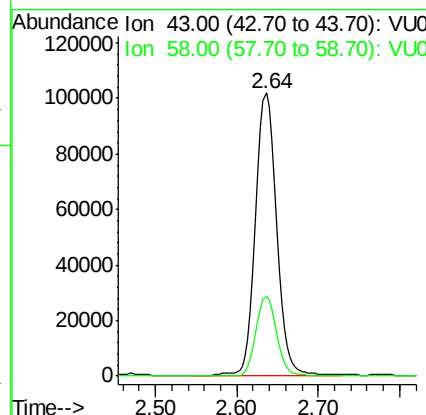
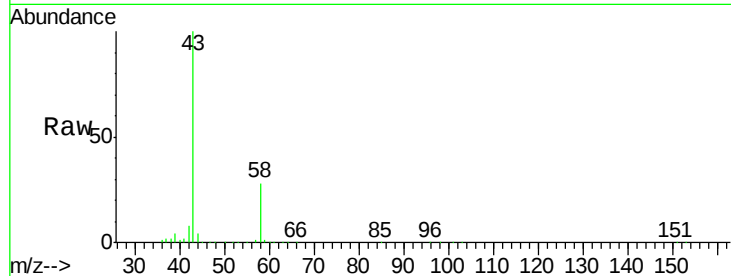


#13
Acetone
Concen: 135.167 ug/l
RT: 2.64 min Scan# 403
Delta R.T. -0.00 min
Lab File: VU039700.D
Acq: 29 Jul 2020 13:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

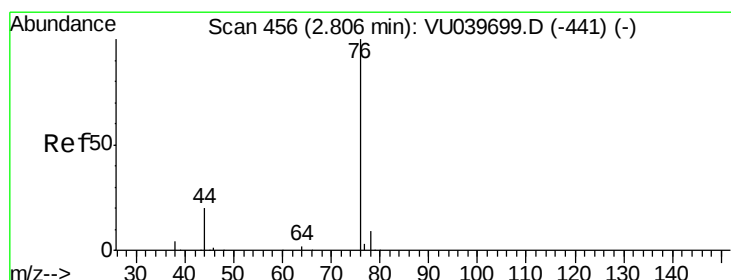
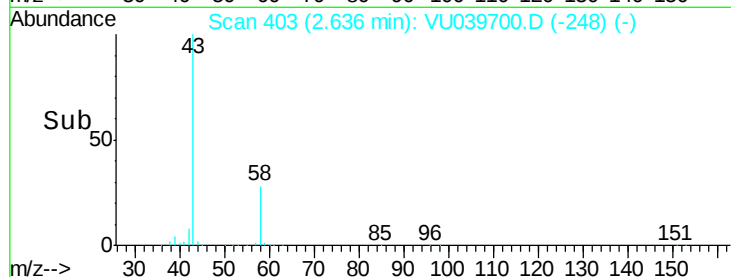
Tot Ion	Ratio	Lower	Upper
43	100		
58	28.2	21.8	32.6

Manual Integrations
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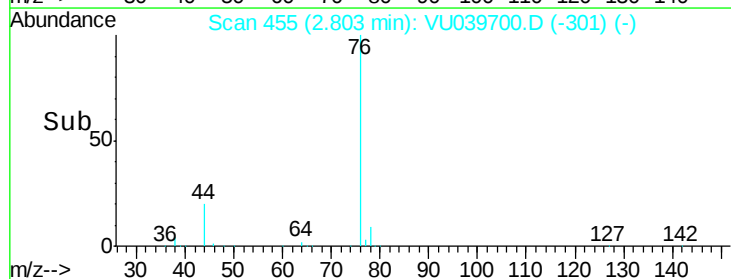
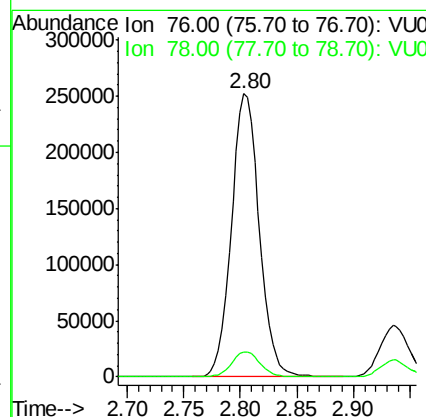
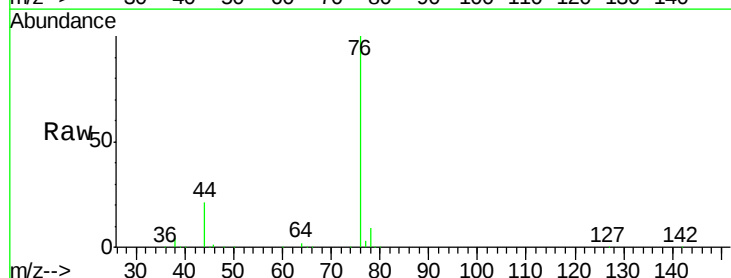
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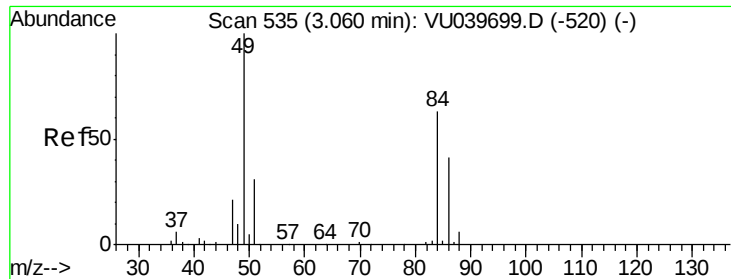
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#14
Carbon Disulfide
Concen: 20.630 ug/l
RT: 2.80 min Scan# 455
Delta R.T. -0.00 min
Lab File: VU039700.D
Acq: 29 Jul 2020 13:07

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.6



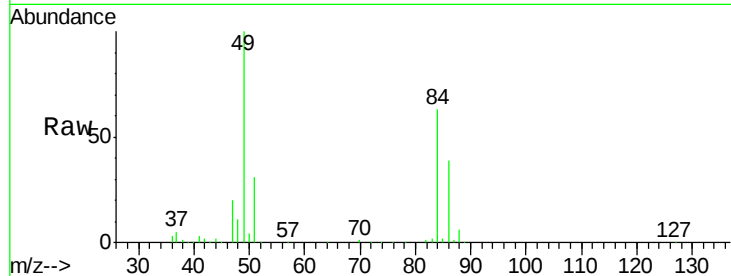


#15
Methvlene Chloride
Concen: 17.975 ug/l
RT: 3.06 min Scan# 534
Delta R.T. -0.00 min
Lab File: VU039700.D
Acq: 29 Jul 2020 13:07

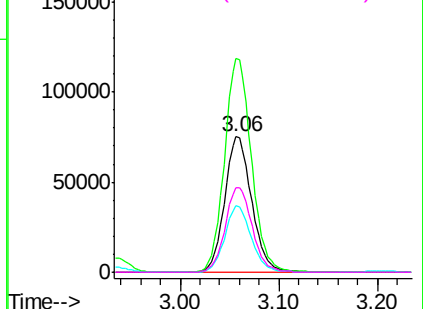
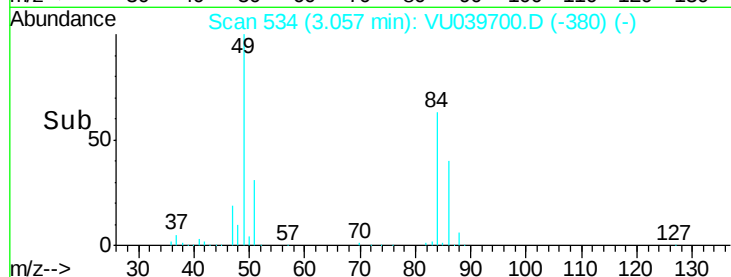
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion:	84	Resp:	143147
Ion	Ratio	Lower	Upper
84	100		
49	157.8	126.8	190.2
51	48.9	0.0	97.2
86	62.3	51.4	77.2

Manual Integrations
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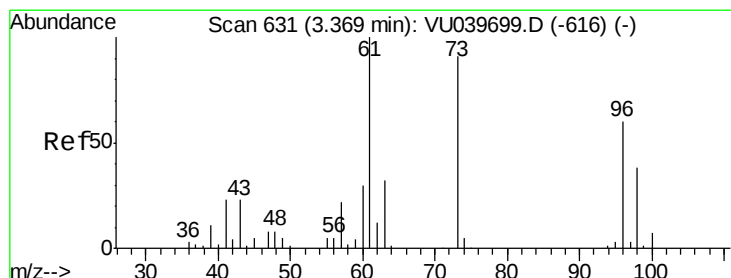


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 49.00 (48.70 to 49.70): VU0
Ion 51.00 (50.70 to 51.70): VU0
Ion 86.00 (85.70 to 86.70): VU0



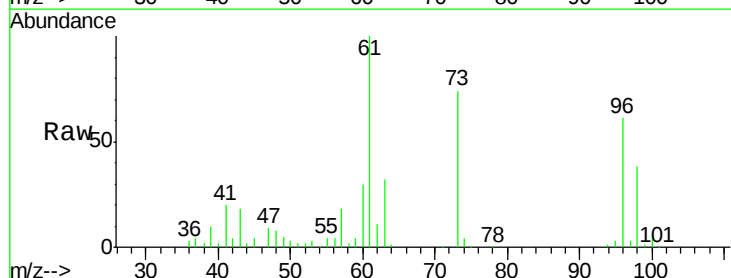
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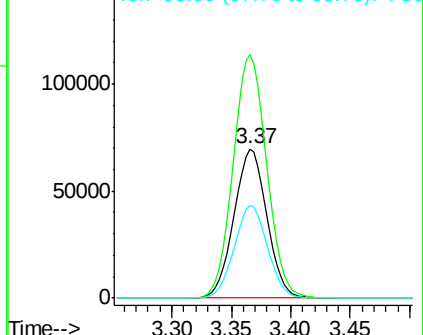
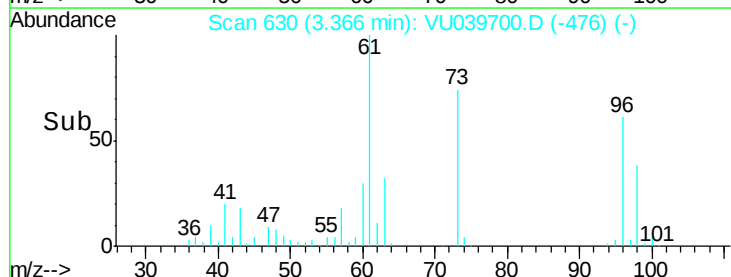


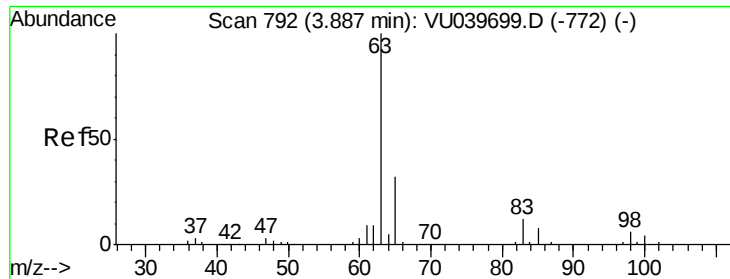
#16
trans-1,2-Dichloroethene
Concen: 21.231 ug/l
RT: 3.37 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU039700.D
Acq: 29 Jul 2020 13:07

Tgt Ion:	96	Resp:	133702
Ion	Ratio	Lower	Upper
96	100		
61	163.3	132.6	199.0
98	62.5	50.2	75.2



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0



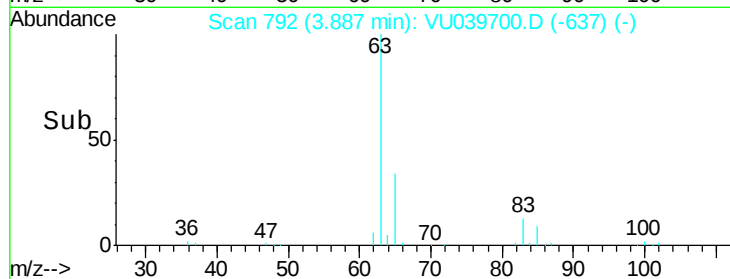
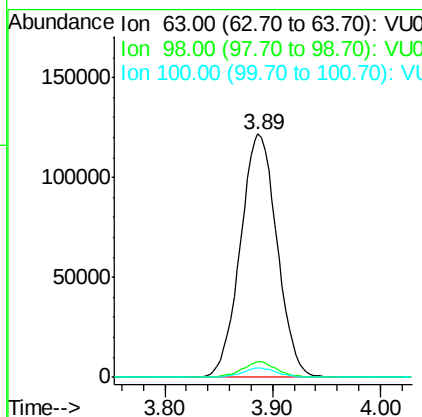
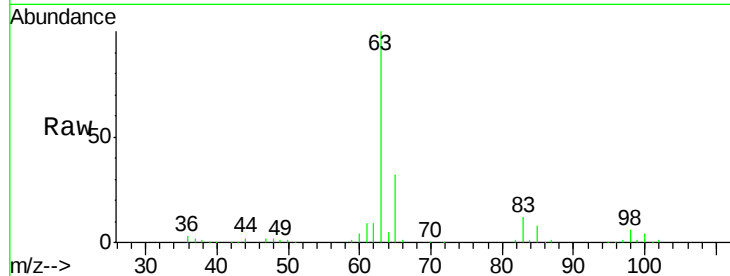


#17
 1,1-Dichloroethane
 Concen: 23.405 ug/l
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU039700.D
 Acq: 29 Jul 2020 13:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

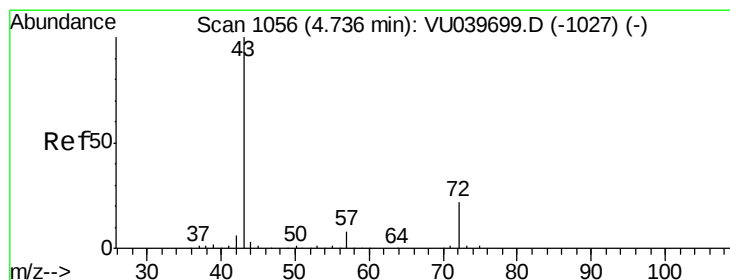
Tot Ion	Ratio	Resp Lower	Upper
63	100		
98	6.4	2.9	8.7
100	3.7	2.0	6.0

Manual Integrations
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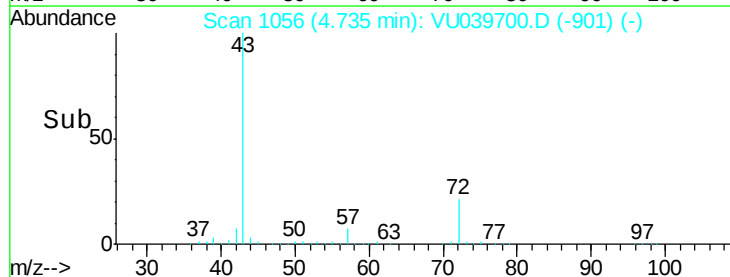
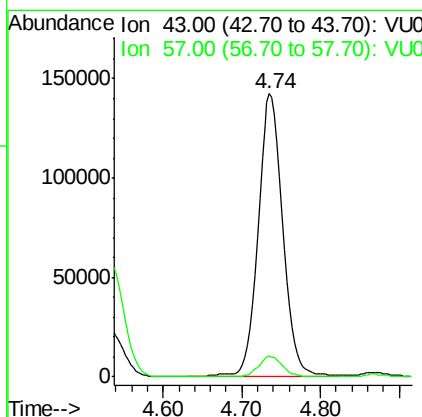
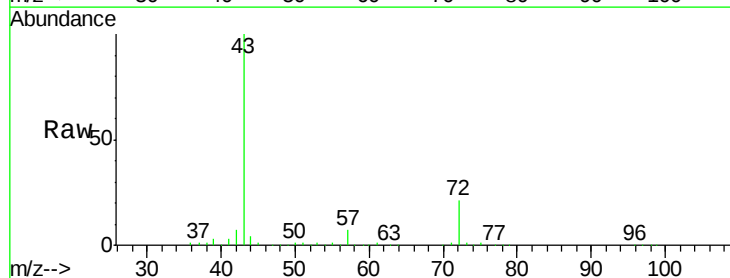
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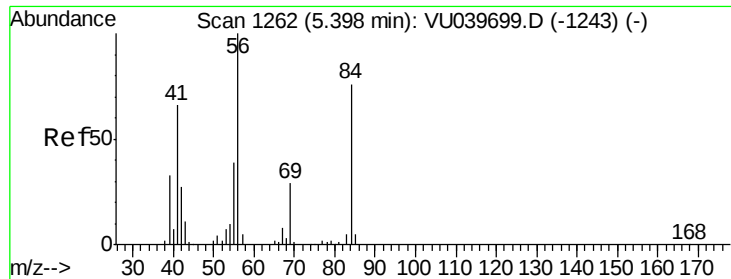
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#18
 2-Butanone
 Concen: 152.238 ug/l
 RT: 4.74 min Scan# 1056
 Delta R.T. -0.00 min
 Lab File: VU039700.D
 Acq: 29 Jul 2020 13:07

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.1	0.0	15.2



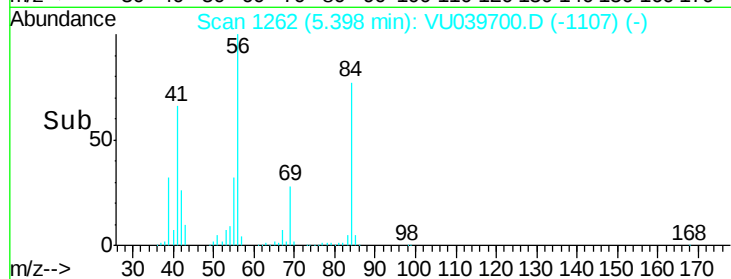
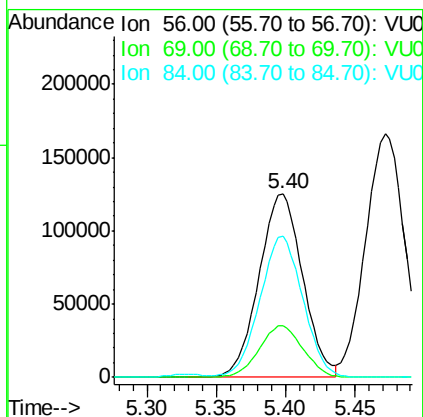
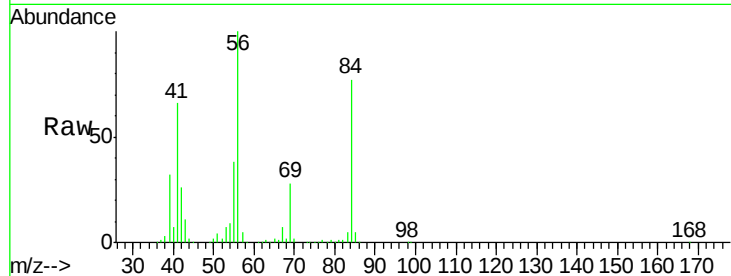


#19
Cyclohexane
Concen: 23.364 ug/l m
RT: 5.40 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VU039700.D
Acq: 29 Jul 2020 13:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

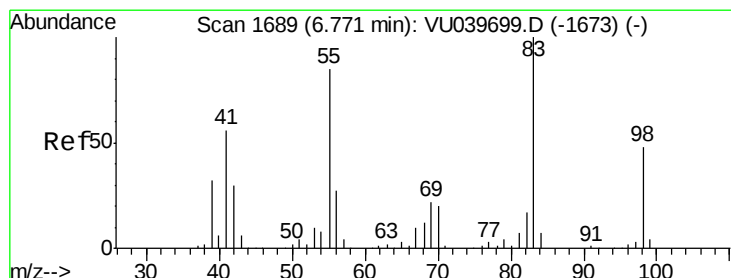
Tot Ion	Ratio	Lower	Upper
56	100		
69	28.2	22.8	34.2
84	74.7	59.9	89.9

Manual Integrations
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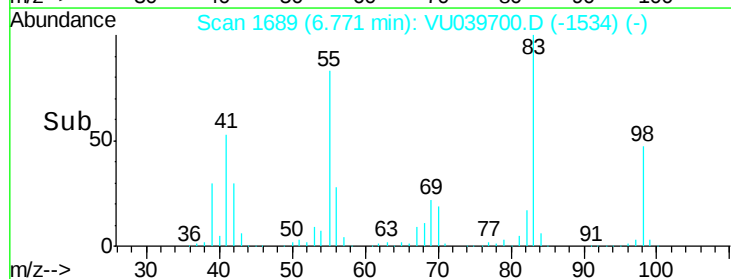
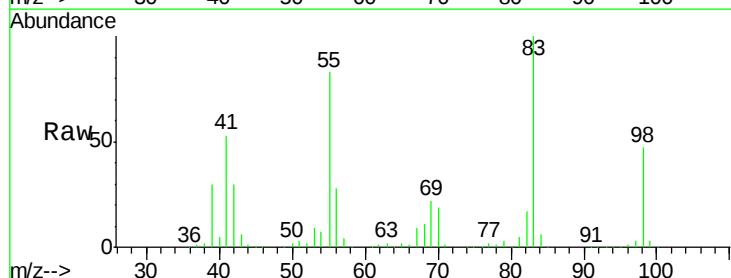
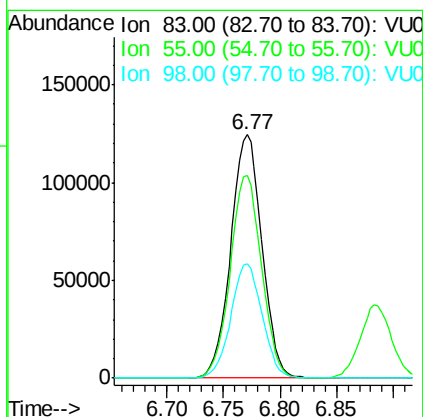
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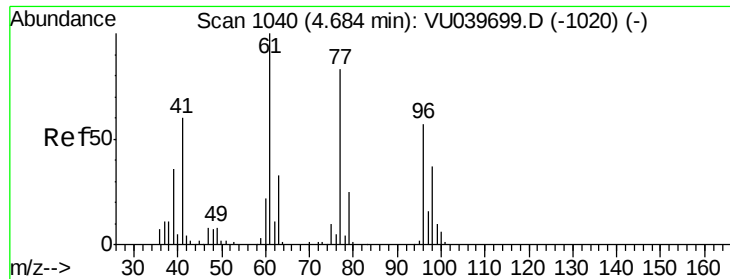
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#20
Methylcyclohexane
Concen: 21.268 ug/l
RT: 6.77 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VU039700.D
Acq: 29 Jul 2020 13:07

Tgt Ion	Ratio	Lower	Upper
83	100		
55	83.5	67.6	101.4
98	47.2	37.3	55.9



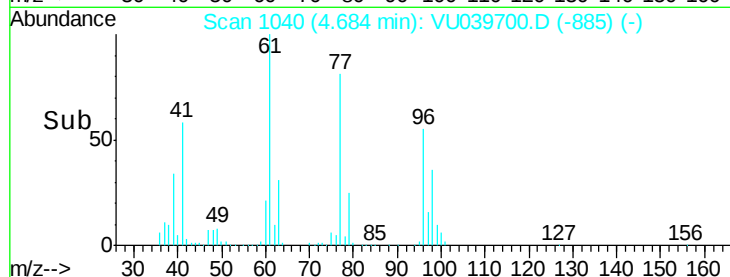
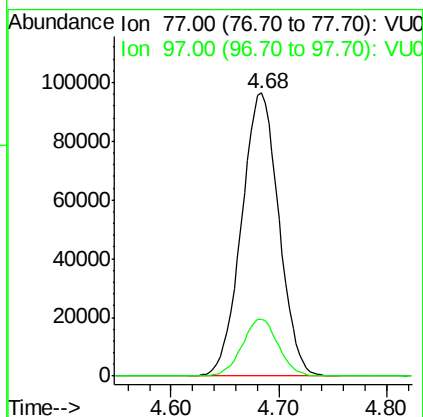
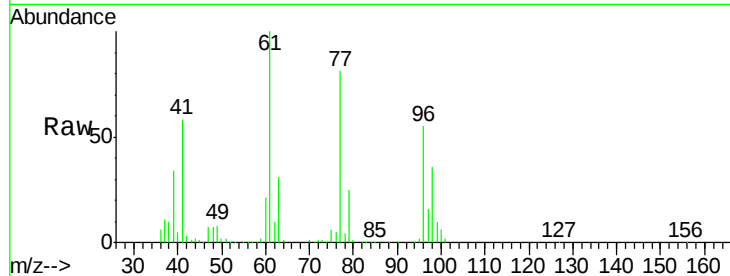


#21
 2,2-Dichloropropane
 Concen: 22.845 ug/l
 RT: 4.68 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: VU039700.D
 Acq: 29 Jul 2020 13:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

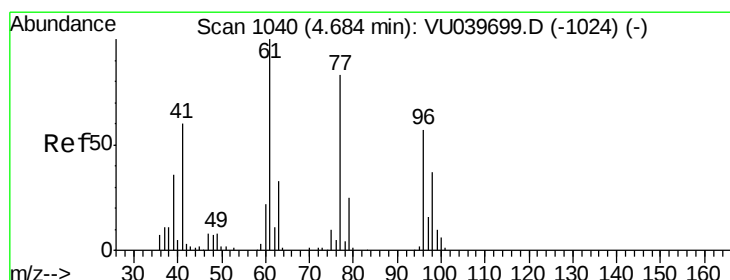
Tot Ion: 77 Resp: 232105
 Ion Ratio Lower Upper
 77 100
 97 19.5 15.2 22.8

Manual Integrations
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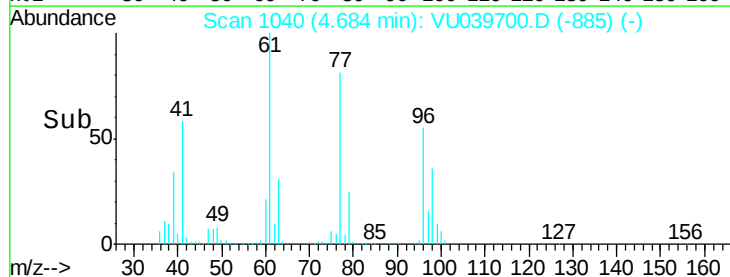
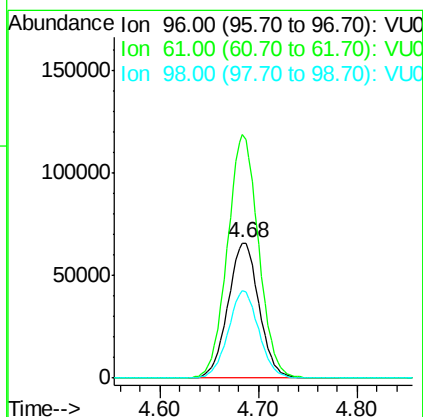
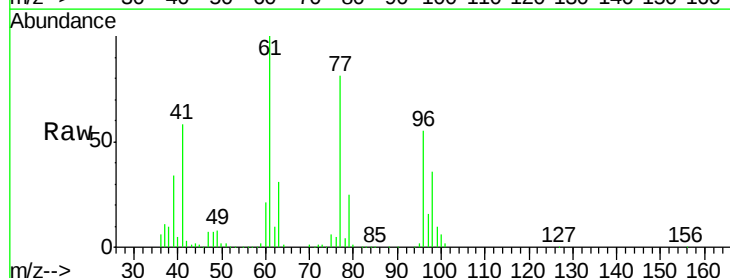
MMDadoda

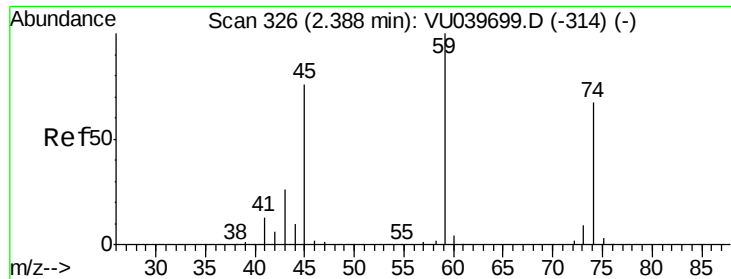
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#22
 cis-1,2-Dichloroethene
 Concen: 21.689 ug/l
 RT: 4.68 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: VU039700.D
 Acq: 29 Jul 2020 13:07

Tgt Ion: 96 Resp: 144739
 Ion Ratio Lower Upper
 96 100
 61 180.2 0.0 451.3
 98 63.7 32.6 98.0





#23

Diethyl Ether

Concen: 22.872 ug/l

RT: 2.39 min Scan# 325

Delta R.T. -0.00 min

Lab File: VU039700.D

Acq: 29 Jul 2020 13:07

Instrument :

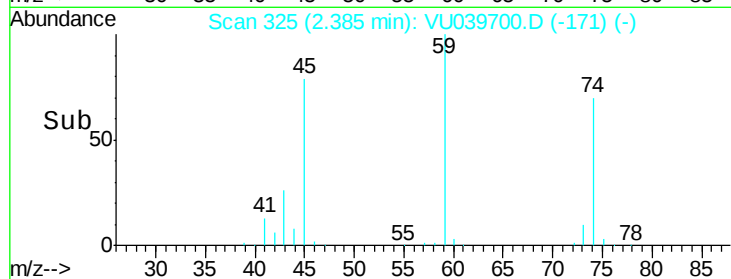
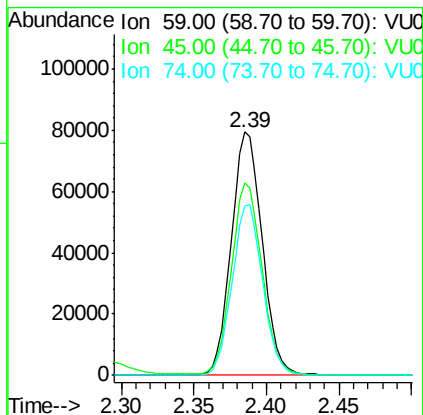
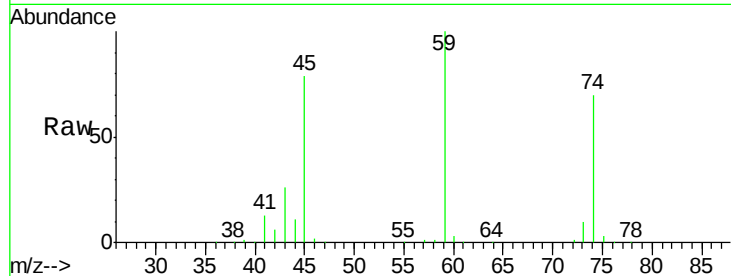
MSVOA_U

ClientSampleId :

VSTDIC020

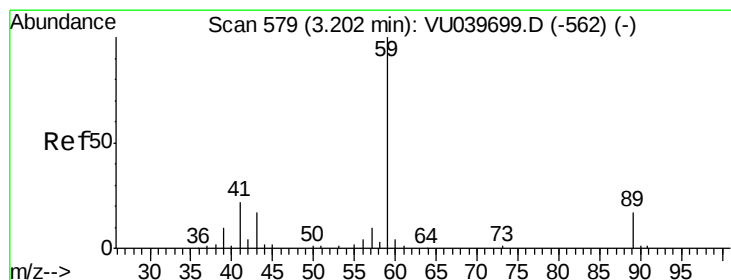
Tot Ion:	59	Resp:	117693
Ion	Ratio	Lower	Upper
59	100		
45	78.3	61.5	92.3
74	69.2	54.3	81.5

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#24

tert-Butyl Alcohol

Concen: 242.166 ug/l

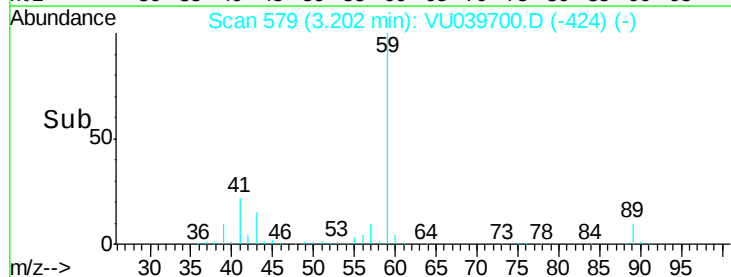
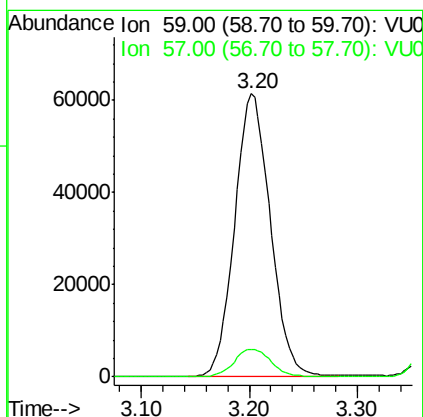
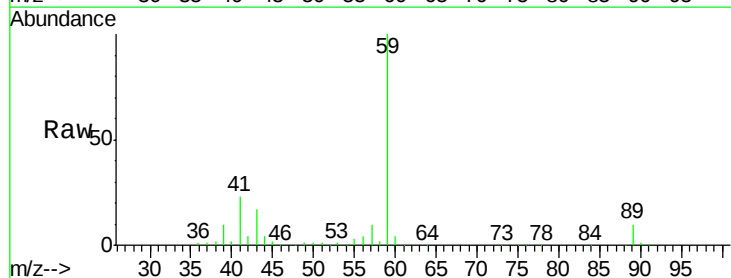
RT: 3.20 min Scan# 579

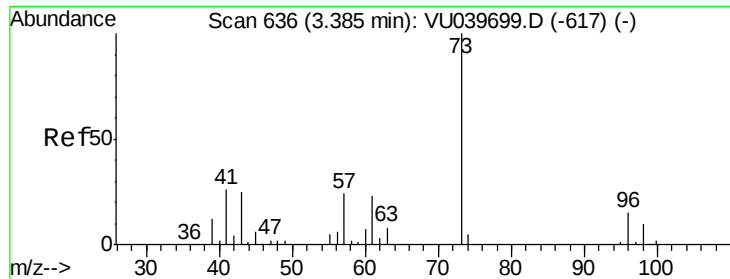
Delta R.T. -0.00 min

Lab File: VU039700.D

Acq: 29 Jul 2020 13:07

Tgt Ion:	59	Resp:	142060
Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.8	11.6



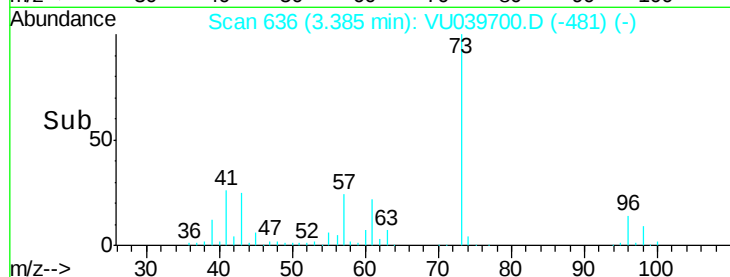
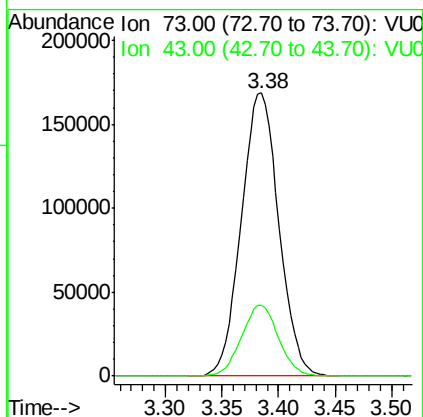
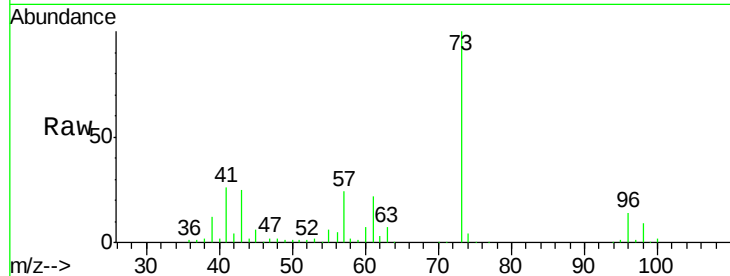


#25
Methvl tert-Butvl Ether
Concen: 23.980 ug/l
RT: 3.38 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU039700.D
Acq: 29 Jul 2020 13:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

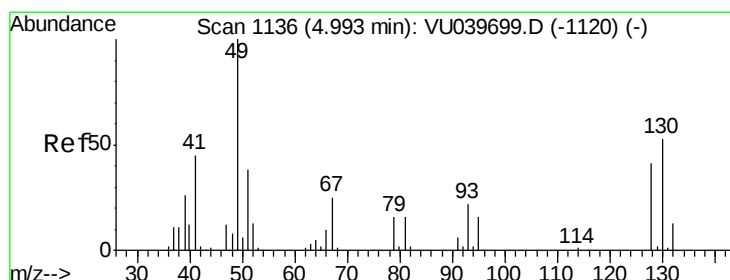
Tot Ion	Ratio	Lower	Upper
73	100		
43	24.5	20.1	30.1

Manual Integrations
APPROVED



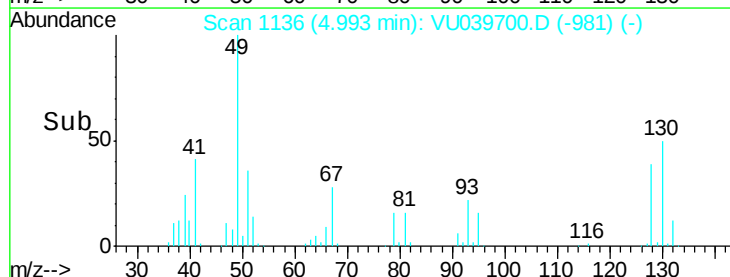
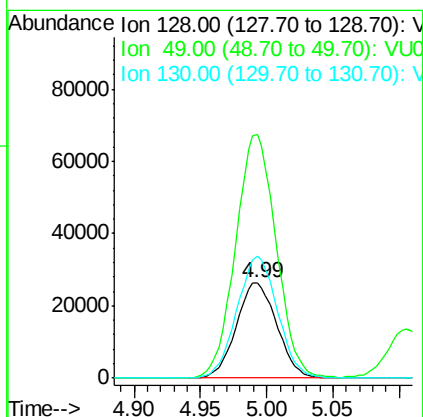
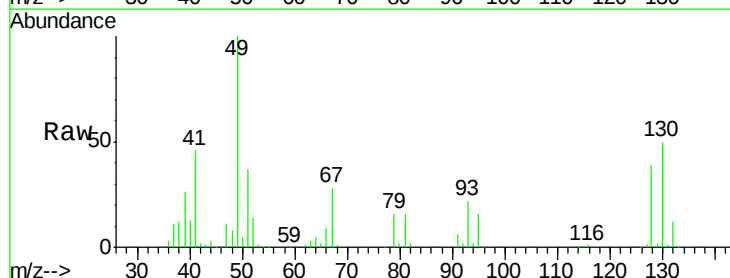
MMDadoda

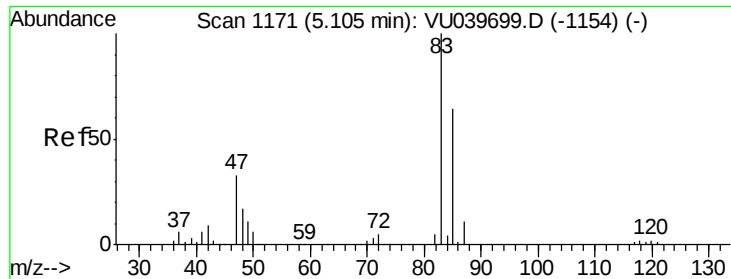
7/31/2020 3:43:07 PM



#26
Bromochloromethane
Concen: 20.865 ug/l
RT: 4.99 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VU039700.D
Acq: 29 Jul 2020 13:07

Tgt Ion	Ratio	Lower	Upper
128	100		
49	255.8	0.0	503.8
130	128.3	102.7	154.1



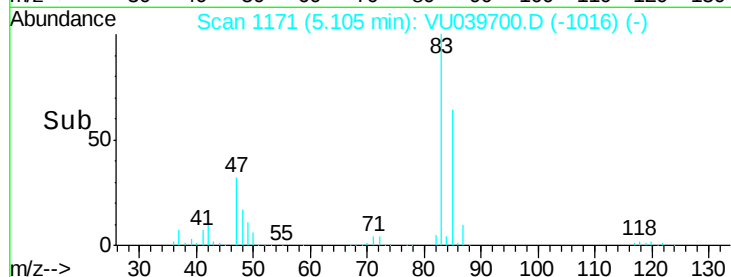
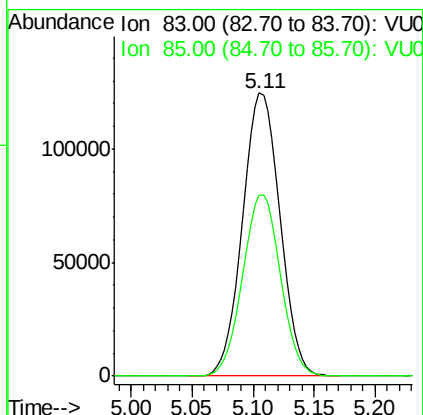
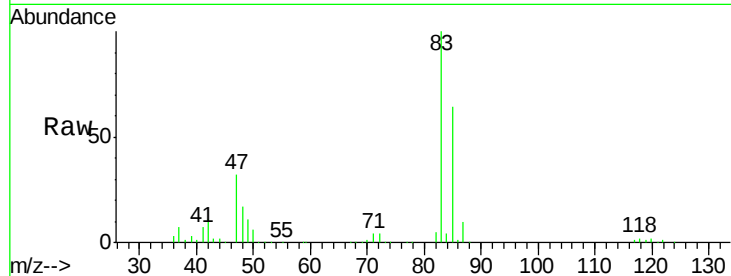


#27
Chloroform
Concen: 23.061 ug/l
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU039700.D
Acq: 29 Jul 2020 13:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

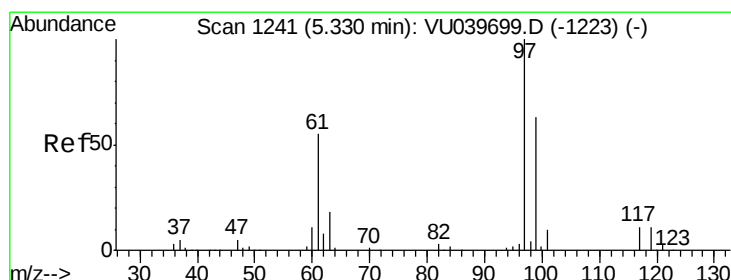
Tot Ion	83	Resp	264968
Ion Ratio	100	Lower	Upper
85	63.8	0.0	128.8

Manual Integrations
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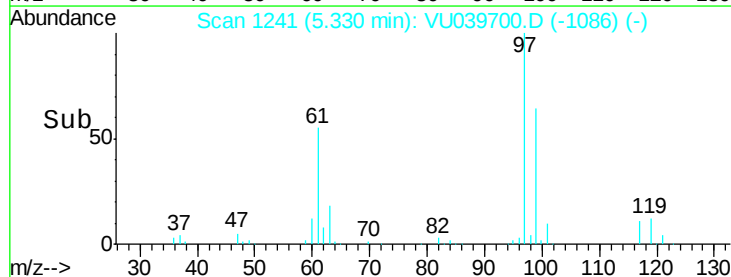
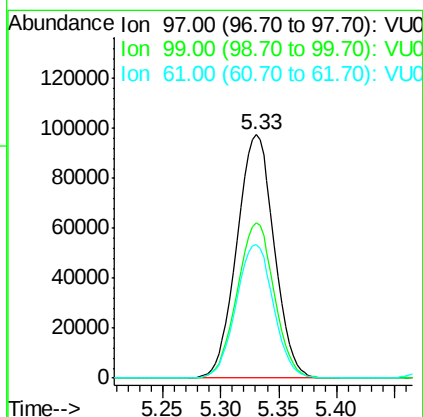
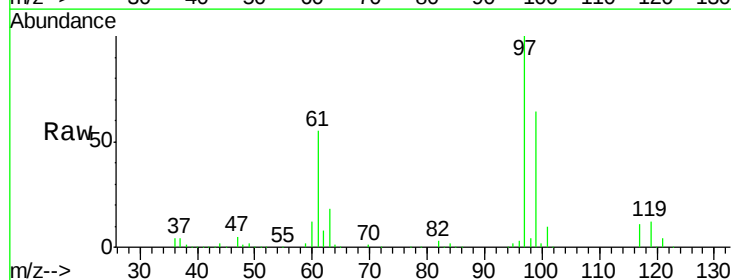
MMDadoda

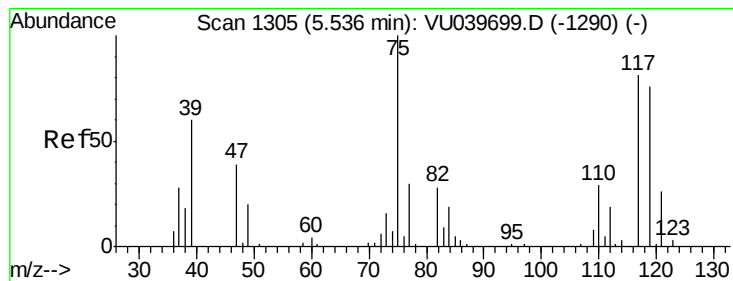
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#28
1,1,1-Trichloroethane
Concen: 23.121 ug/l
RT: 5.33 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VU039700.D
Acq: 29 Jul 2020 13:07

Tgt Ion	97	Resp	217897
Ion Ratio	100	Lower	Upper
99	63.6	32.2	96.6
61	55.2	28.3	85.0





#29

1,1-Dichloropropene

Concen: 22.412 ug/l

RT: 5.54 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VU039700.D

Acq: 29 Jul 2020 13:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

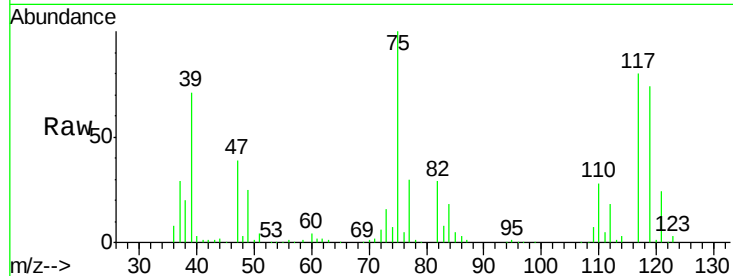
Tot Ion: 75 Resp: 210636
Ion Ratio Lower Upper

75 100

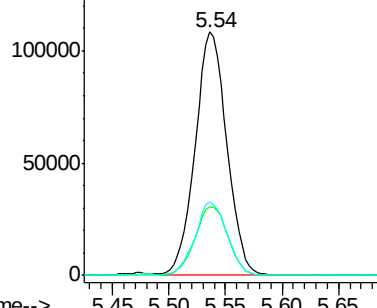
110 29.5 14.6 44.0

77 30.8 25.0 37.4

Manual Integrations
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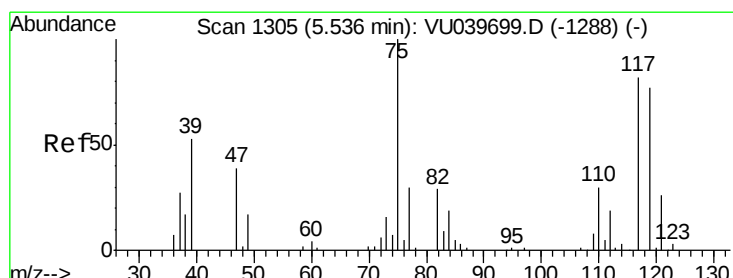
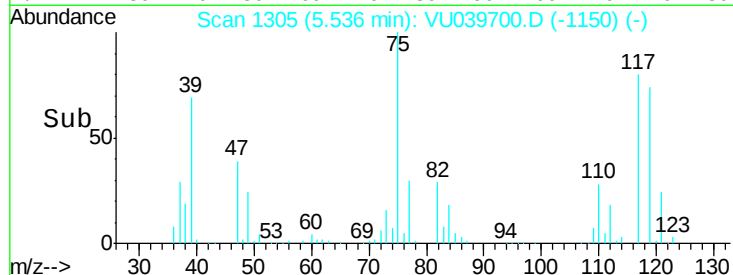


Abundance Ion 75.00 (74.70 to 75.70): VU039699.D (-1290) (-)
Ion 110.00 (109.70 to 110.70): VU039699.D (-1290) (-)
Ion 77.00 (76.70 to 77.70): VU039699.D (-1290) (-)



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#30

Carbon Tetrachloride

Concen: 23.478 ug/l

RT: 5.53 min Scan# 1304

Delta R.T. -0.00 min

Lab File: VU039700.D

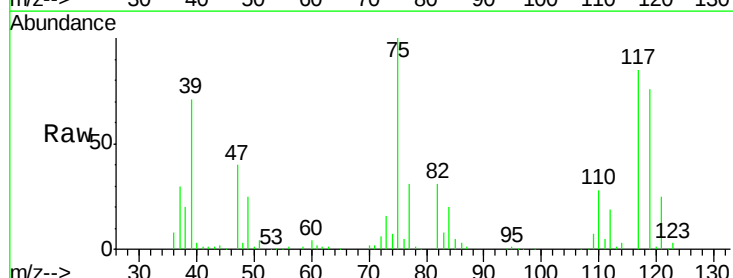
Acq: 29 Jul 2020 13:07

Tgt Ion: 117 Resp: 184423
Ion Ratio Lower Upper

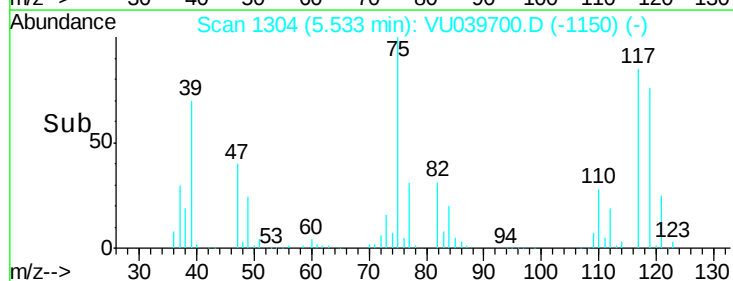
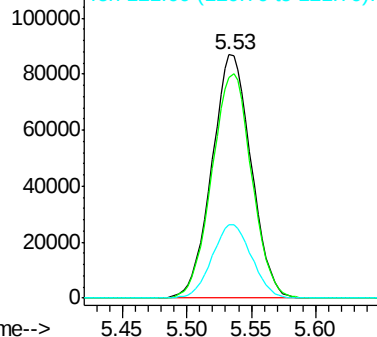
117 100

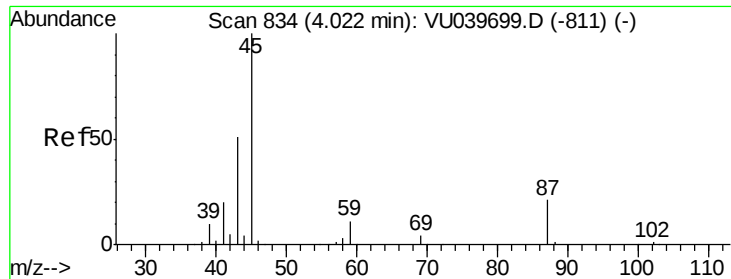
119 90.4 75.2 112.8

121 30.0 25.4 38.2



Abundance Ion 117.00 (116.70 to 117.70): VU039699.D (-1288) (-)
Ion 119.00 (118.70 to 119.70): VU039699.D (-1288) (-)
Ion 121.00 (120.70 to 121.70): VU039699.D (-1288) (-)





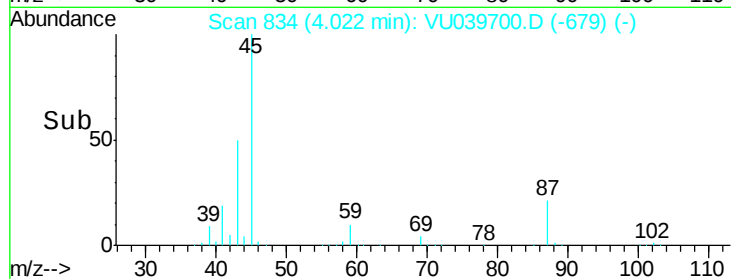
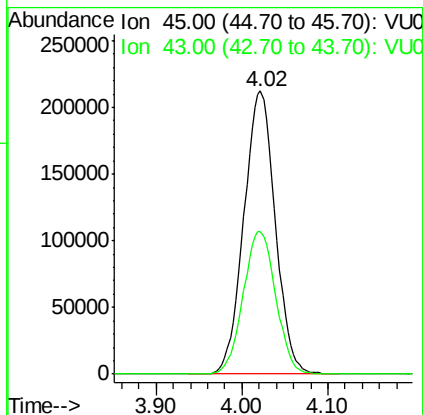
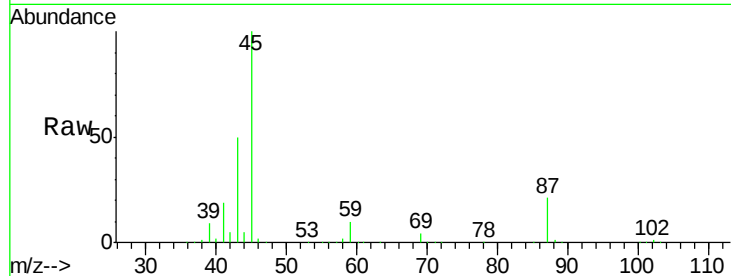
#31

Isopropyl Ether
 Concen: 26.184 ug/l
 RT: 4.02 min Scan# 834
 Delta R.T. -0.00 min
 Lab File: VU039700.D
 Acq: 29 Jul 2020 13:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

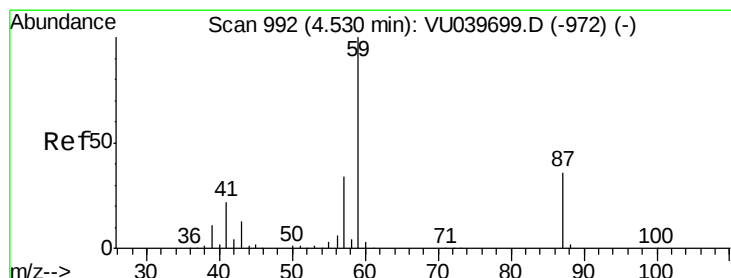
Tot Ion	45	43	Ratio	Lower	Upper
45	100				
43	52.3		26.5	79.4	

Manual Integrations
 APPROVED



MMDadoda

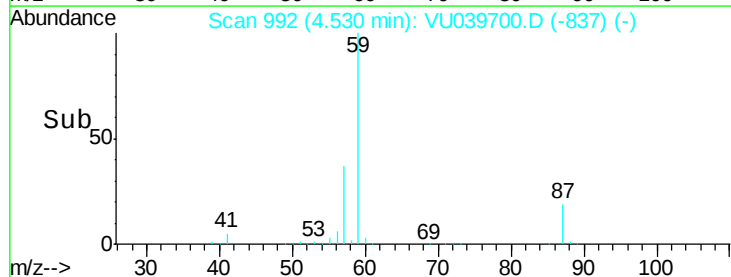
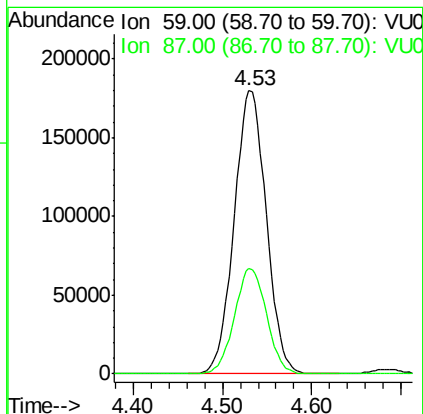
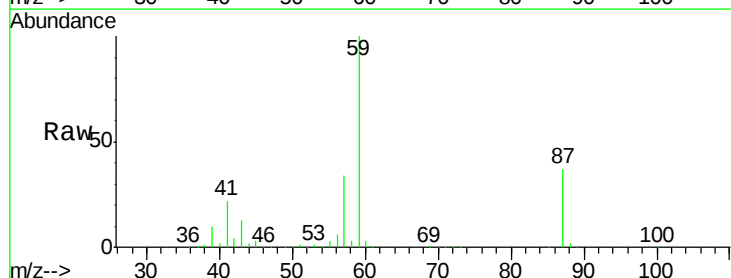
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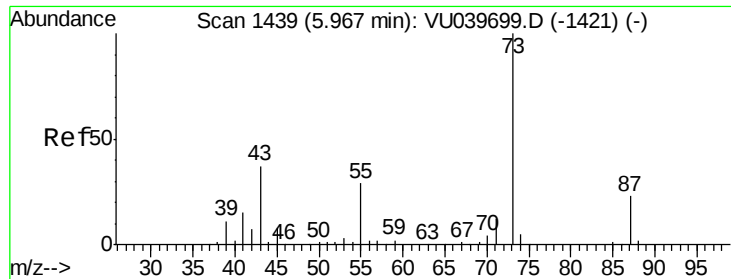


#32

Ethyl-t-butyl ether
 Concen: 24.409 ug/l
 RT: 4.53 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VU039700.D
 Acq: 29 Jul 2020 13:07

Tgt Ion	59	87	Ratio	Lower	Upper
59	100				
87	37.3		29.4	44.0	



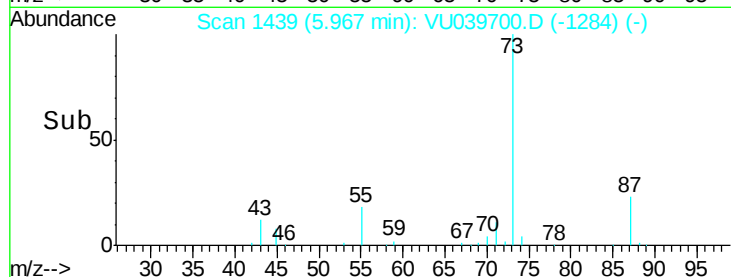
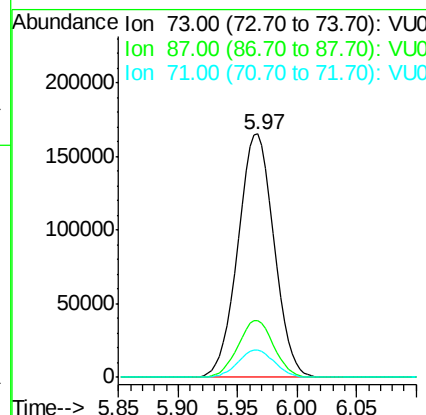
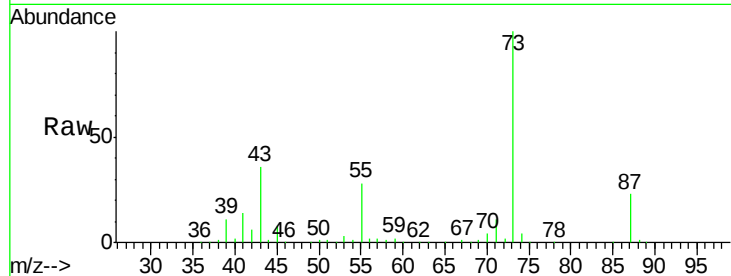


#33
Tert-Butyl methyl ether
Concen: 22.512 ug/l
RT: 5.97 min Scan# 1439
Delta R.T. -0.00 min
Lab File: VU039700.D
Acq: 29 Jul 2020 13:07

Instrument :
MSVOA_U
ClientSampled :
VSTDIC020

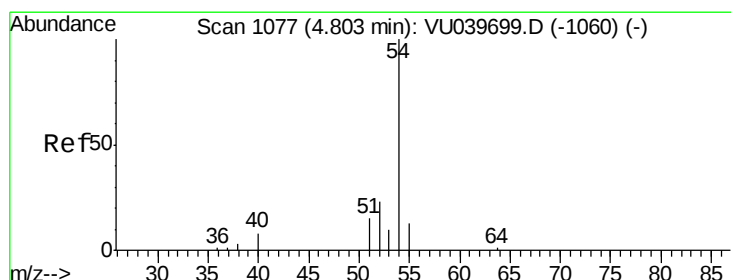
Tot Ion	Ratio	Lower	Upper
73	100		
87	23.3	18.7	28.1
71	11.3	9.1	13.7

Manual Integrations
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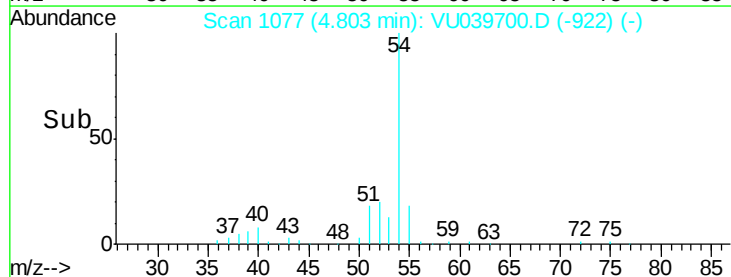
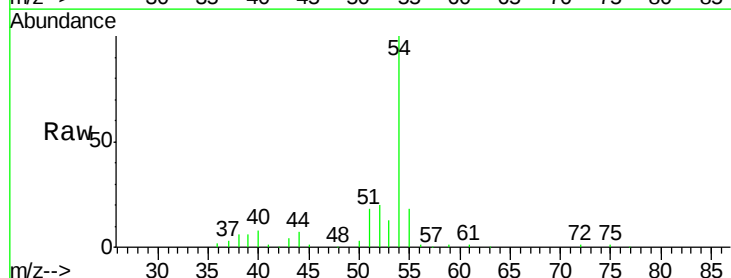
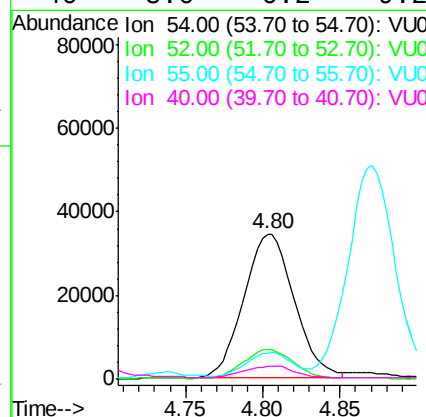
MMDadoda

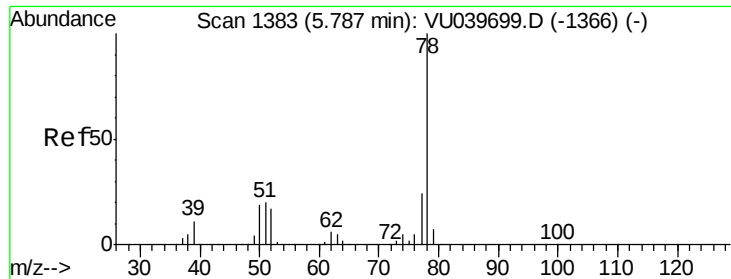
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#34
Propionitrile
Concen: 134.683 ug/l
RT: 4.80 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU039700.D
Acq: 29 Jul 2020 13:07

Tgt Ion	Ratio	Lower	Upper
54	100		
52	20.1	16.9	25.3
55	17.0	12.9	19.3
40	8.0	6.2	9.2





#35

Benzene

Concen: 20.461 ug/l

RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VU039700.D

Acq: 29 Jul 2020 13:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 78 Resp: 527717

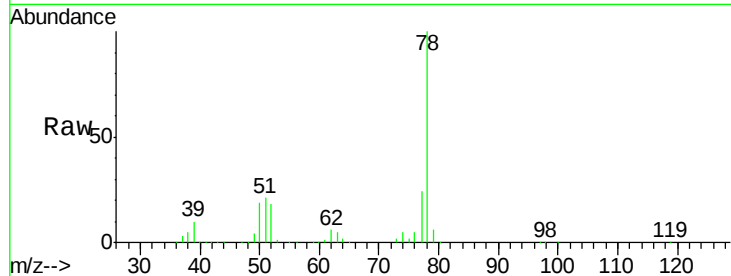
Ion Ratio Lower Upper

78 100

77 23.8 19.2 28.8

Manual Integrations

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Abundance Ion 78.10 (77.80 to 78.80): VU039699.D (-1366) (-)

Ion 77.00 (76.70 to 77.70): VU039699.D (-1366) (-)

5.79

300000

250000

200000

150000

100000

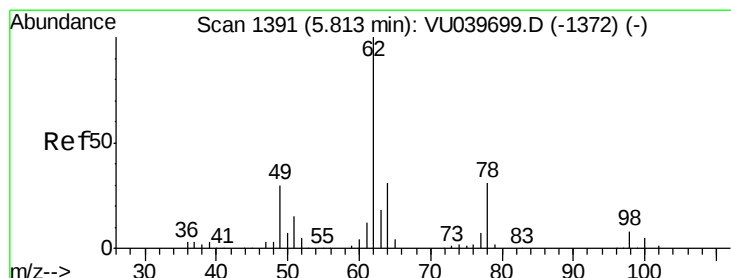
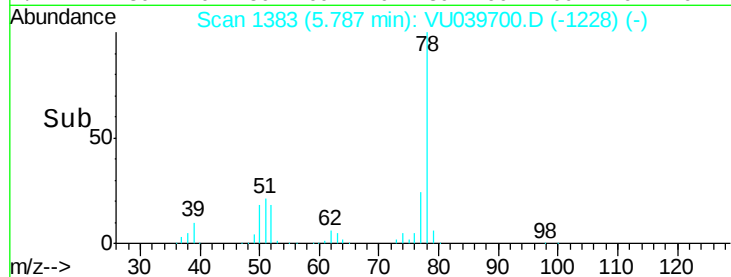
50000

0

Time--> 5.70 5.80 5.90

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#36

1,2-Dichloroethane

Concen: 24.211 ug/l

RT: 5.81 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VU039700.D

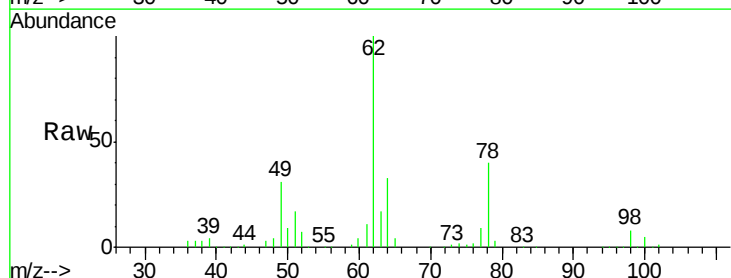
Acq: 29 Jul 2020 13:07

Tgt Ion: 62 Resp: 193175

Ion Ratio Lower Upper

62 100

98 7.8 6.2 9.2



Abundance Ion 62.00 (61.70 to 62.70): VU039699.D (-1372) (-)

Ion 98.00 (97.70 to 98.70): VU039699.D (-1372) (-)

5.81

100000

80000

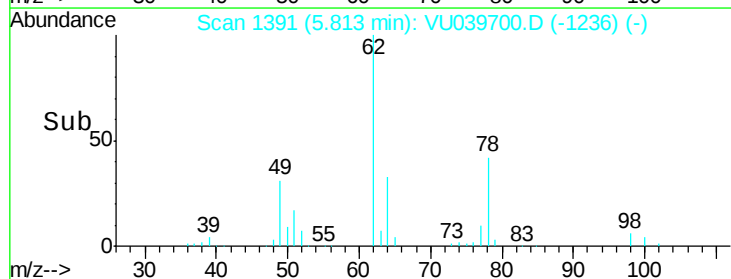
60000

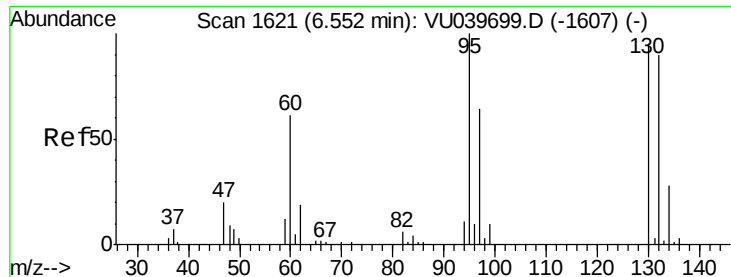
40000

20000

0

Time--> 5.70 5.75 5.80 5.85 5.90





#37

Trichloroethene

Concen: 18.312 ug/l

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU039700.D

Acq: 29 Jul 2020 13:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

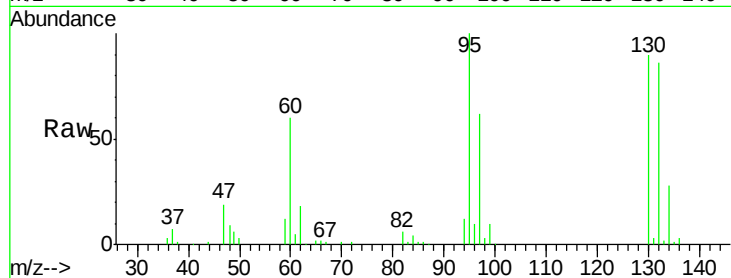
Tot Ion:130 Resp: 122290

Ion Ratio Lower Upper

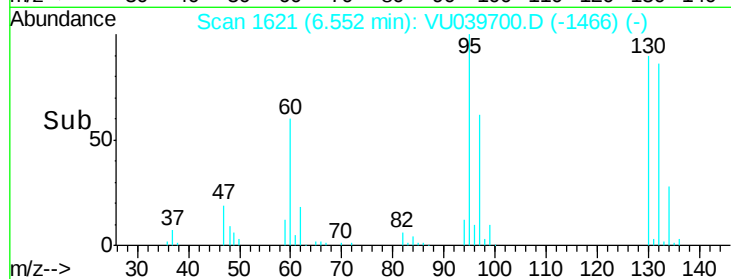
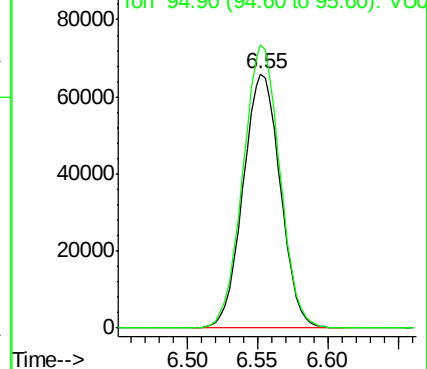
130 100

95 111.4 84.3 126.5

Manual Integrations
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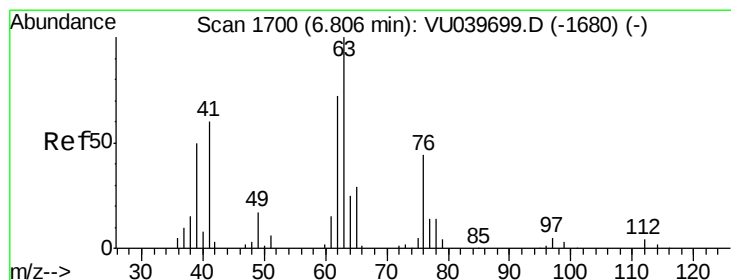


Abundance Ion 129.90 (129.60 to 130.60): VU039699.D (-1607) (-)



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#38

1,2-Dichloropropane

Concen: 21.256 ug/l

RT: 6.81 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VU039700.D

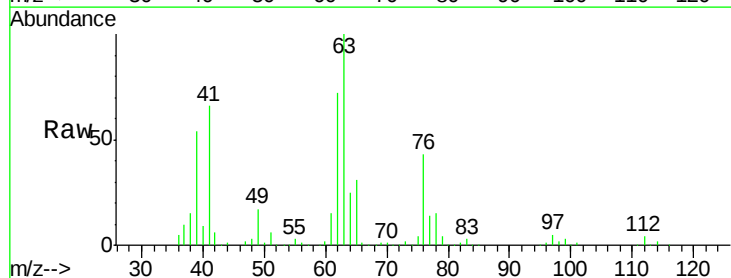
Acq: 29 Jul 2020 13:07

Tgt Ion: 63 Resp: 149663

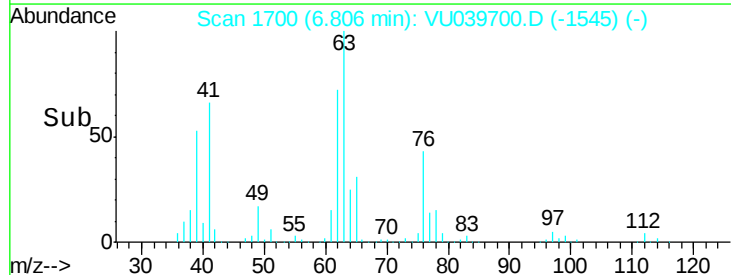
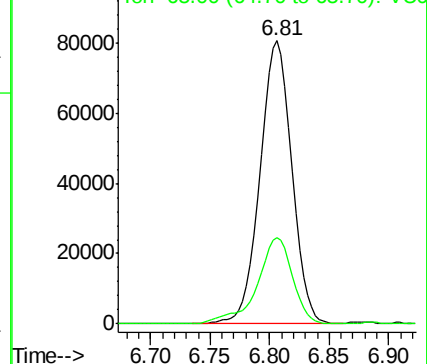
Ion Ratio Lower Upper

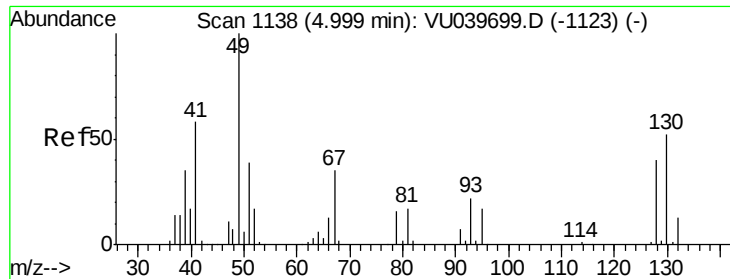
63 100

65 30.6 23.8 35.6



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



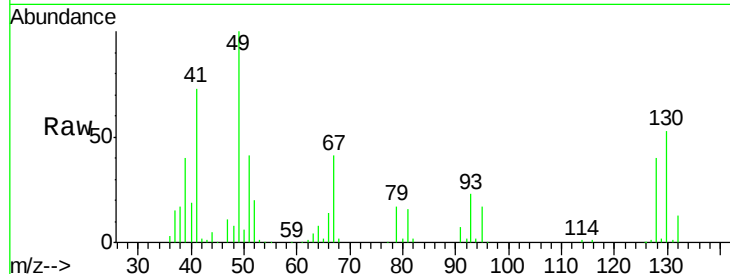


#39
Methacrylonitrile
Concen: 28.421 ug/l
RT: 5.00 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VU039700.D
Acq: 29 Jul 2020 13:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	41	Resp	77653
Ion	Ratio	Lower	Upper
41	100		
67	59.9	48.3	72.5
39	56.5	47.6	71.4
52	28.0	23.9	35.9

Manual Integrations
APPROVED



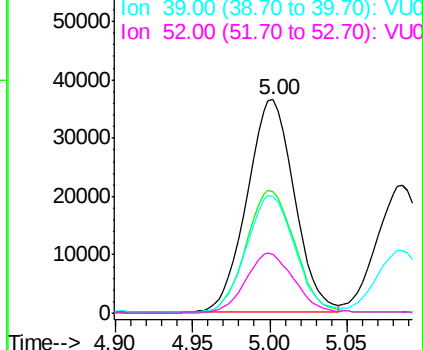
Abundance

Ion 41.00 (40.70 to 41.70): VU039699.D (-1123) (-)

Ion 67.00 (66.70 to 67.70): VU039699.D (-1123) (-)

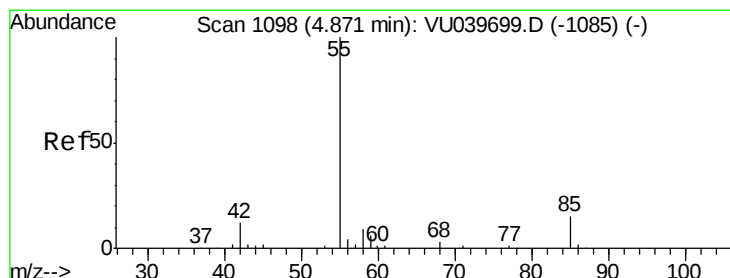
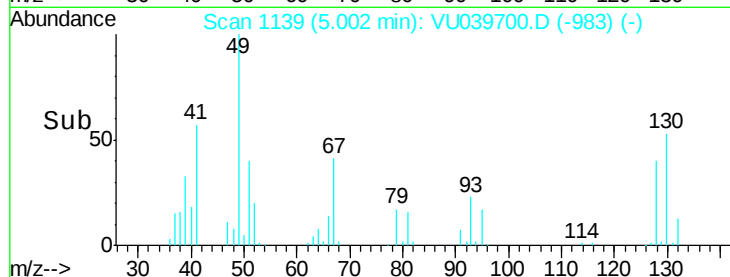
Ion 39.00 (38.70 to 39.70): VU039699.D (-1123) (-)

Ion 52.00 (51.70 to 52.70): VU039699.D (-1123) (-)



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#40
Methyl acrylate
Concen: 27.592 ug/l
RT: 4.87 min Scan# 1098
Delta R.T. -0.00 min
Lab File: VU039700.D
Acq: 29 Jul 2020 13:07

Tgt Ion	55	Resp	109497
Ion	Ratio	Lower	Upper
55	100		
85	14.1	11.4	17.0
58	8.8	7.4	11.0
42	11.4	10.3	15.5

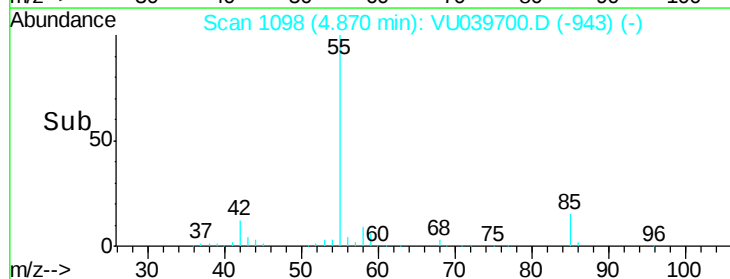
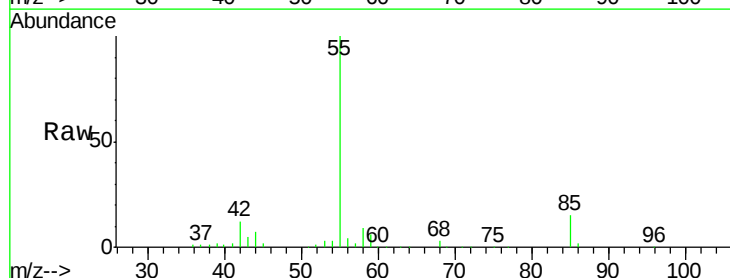
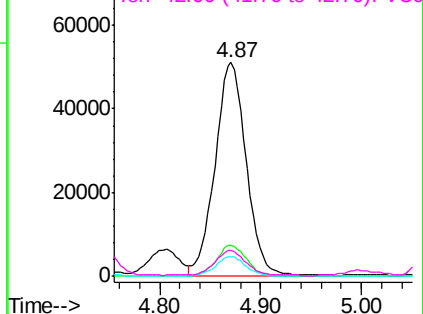
Abundance

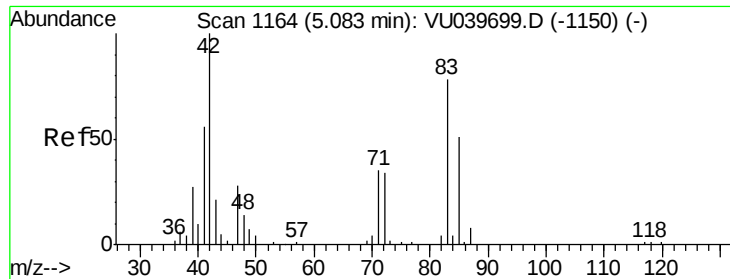
Ion 55.00 (54.70 to 55.70): VU039699.D (-1085) (-)

Ion 85.00 (84.70 to 85.70): VU039699.D (-1085) (-)

Ion 58.00 (57.70 to 58.70): VU039699.D (-1085) (-)

Ion 42.00 (41.70 to 42.70): VU039699.D (-1085) (-)



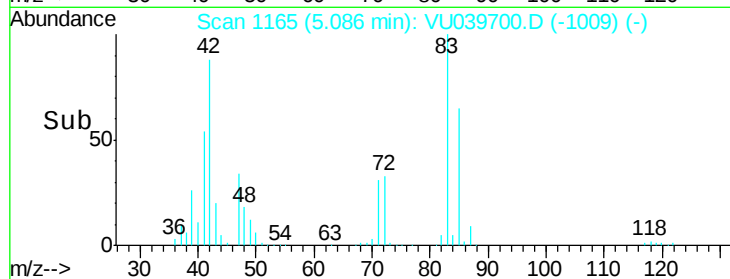
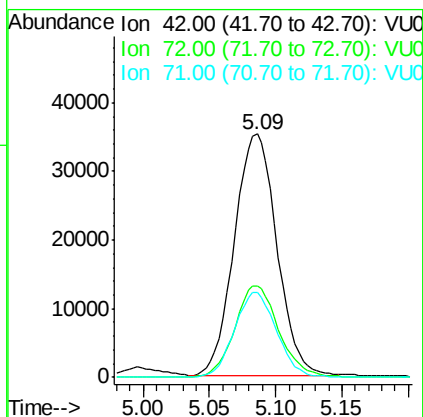
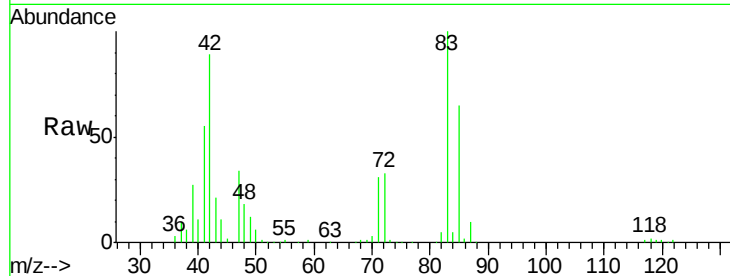


#41
Tetrahydrofuran
Concen: 56.992 ug/l
RT: 5.09 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU039700.D
Acq: 29 Jul 2020 13:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

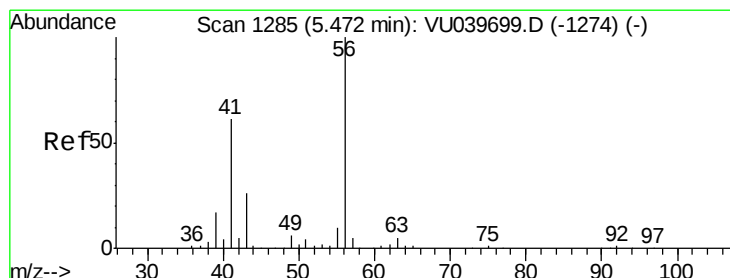
Tot Ion	Ratio	Lower	Upper
42	100		
72	39.5	31.0	46.6
71	34.9	28.2	42.4

Manual Integrations
APPROVED



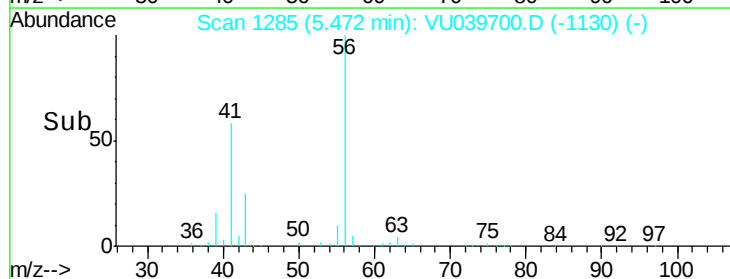
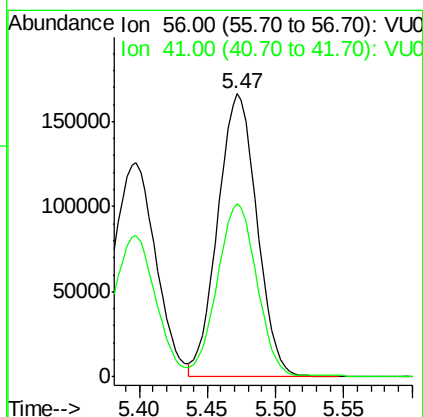
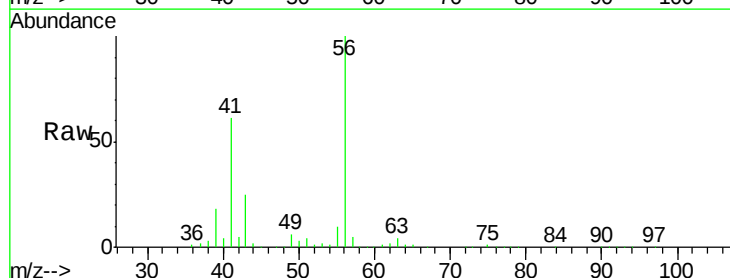
MMDadoda

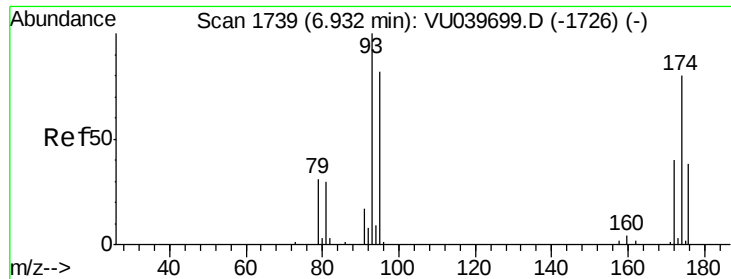
7/31/2020 3:43:07 PM



#42
1-Chlorobutane
Concen: 23.965 ug/l
RT: 5.47 min Scan# 1285
Delta R.T. -0.00 min
Lab File: VU039700.D
Acq: 29 Jul 2020 13:07

Tgt Ion	Ratio	Lower	Upper
56	100		
41	61.3	30.5	91.5



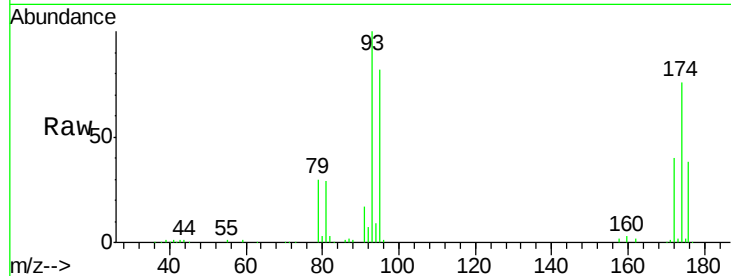


#43
Dibromomethane
Concen: 23.394 ug/l
RT: 6.93 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VU039700.D
Acq: 29 Jul 2020 13:07

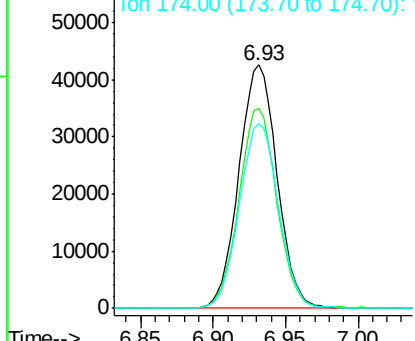
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
93	100		
95	81.5	66.6	99.8
174	78.0	62.7	94.1

Manual Integrations
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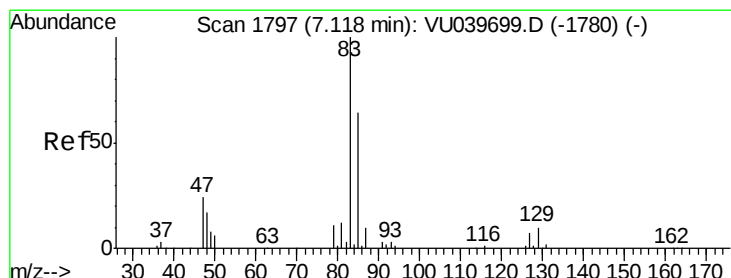
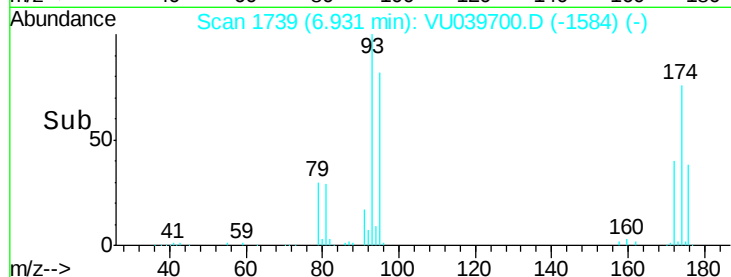


Abundance Ion 93.00 (92.70 to 93.70): VU039699.D (-1726) (-)
Ion 95.00 (94.70 to 95.70): VU039699.D (-1726) (-)
Ion 174.00 (173.70 to 174.70): VU039699.D (-1726) (-)



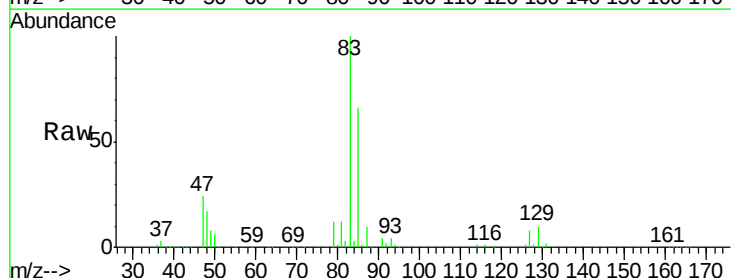
MMDadoda

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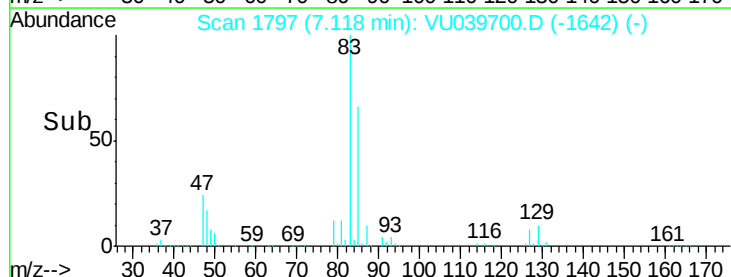
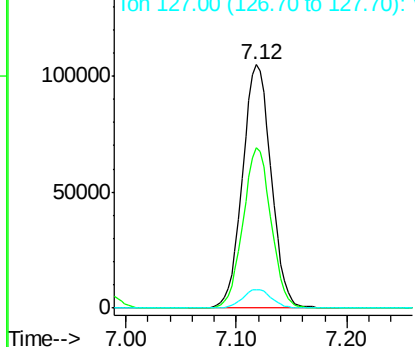


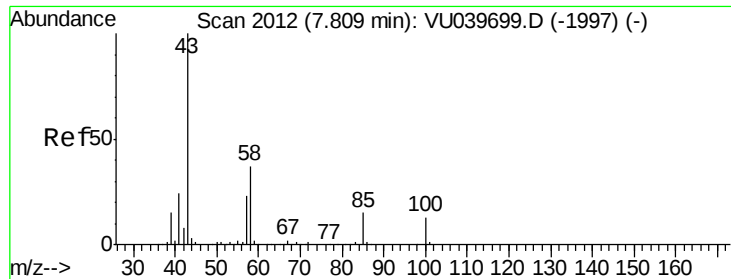
#44
Bromodichloromethane
Concen: 22.731 ug/l
RT: 7.12 min Scan# 1797
Delta R.T. -0.00 min
Lab File: VU039700.D
Acq: 29 Jul 2020 13:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	50.8	76.2
127	7.7	5.8	8.6



Abundance Ion 83.00 (82.70 to 83.70): VU039699.D (-1780) (-)
Ion 85.00 (84.70 to 85.70): VU039699.D (-1780) (-)
Ion 127.00 (126.70 to 127.70): VU039699.D (-1780) (-)



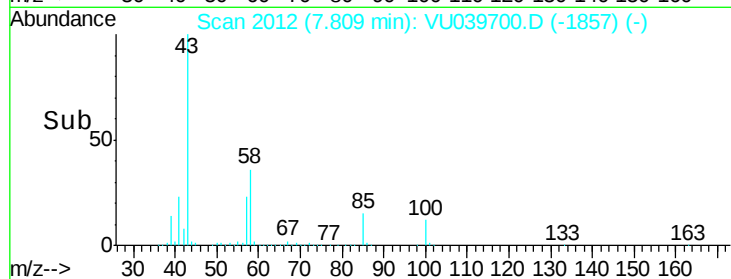
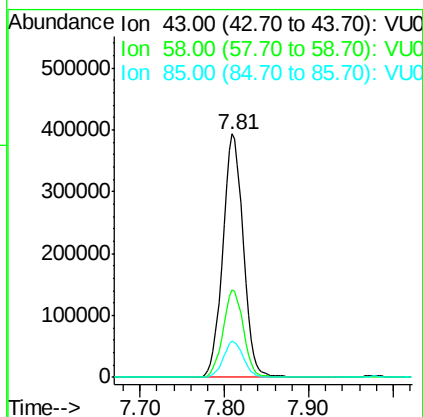
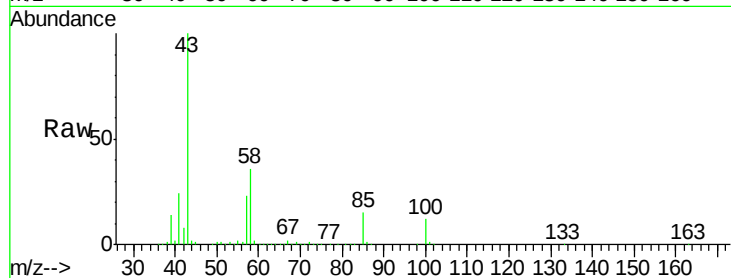


#45
4-Methyl-2-Pentanone
Concen: 140.989 ug/l
RT: 7.81 min Scan# 2012
Delta R.T. -0.00 min
Lab File: VU039700.D
Acq: 29 Jul 2020 13:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

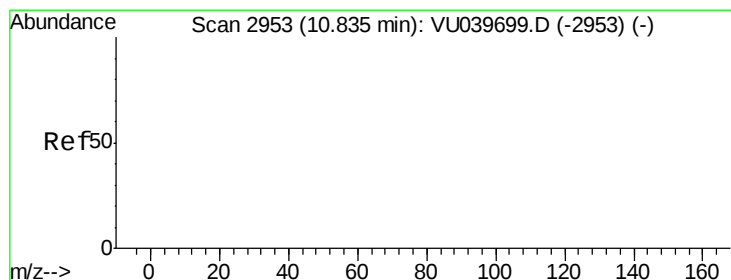
Tot Ion	Ratio	Lower	Upper
43	100		
58	35.8	18.4	55.0
85	14.6	11.8	17.6

Manual Integrations
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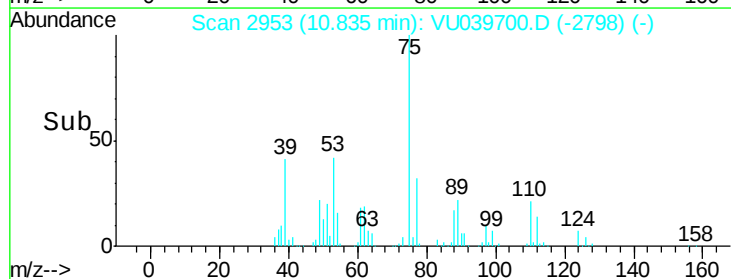
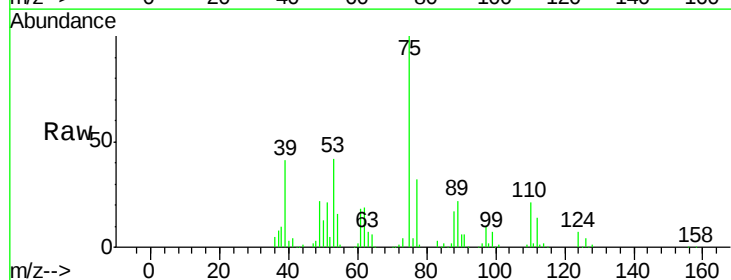
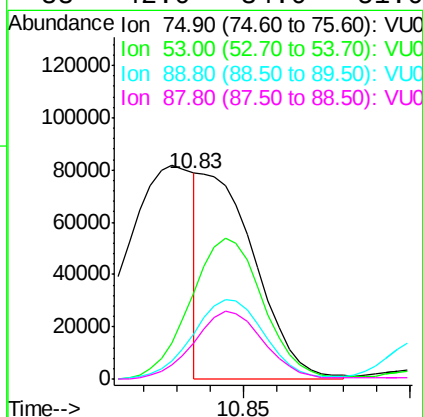
MMDadoda

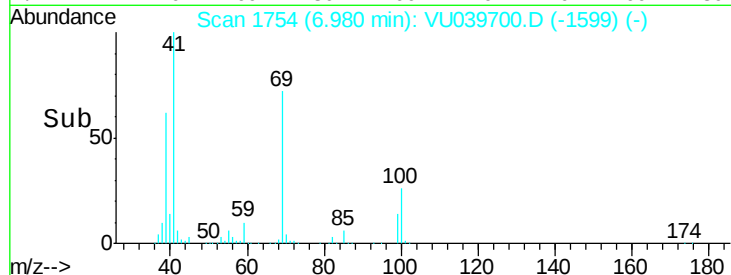
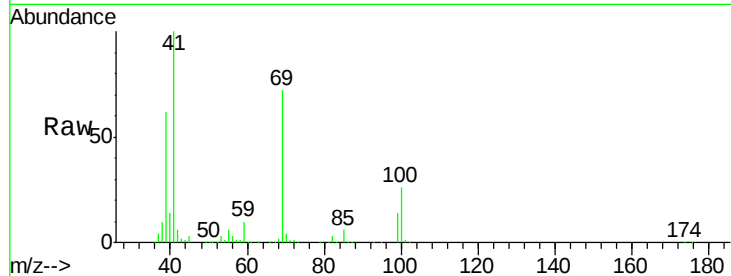
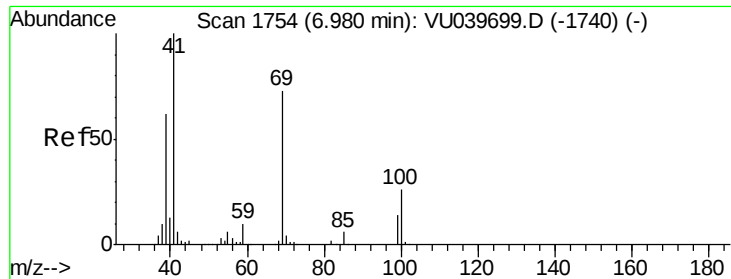
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#46
t-1,4-Dichloro-2-butene
Concen: 63.030 ug/l m
RT: 10.83 min Scan# 2953
Delta R.T. -0.00 min
Lab File: VU039700.D
Acq: 29 Jul 2020 13:07

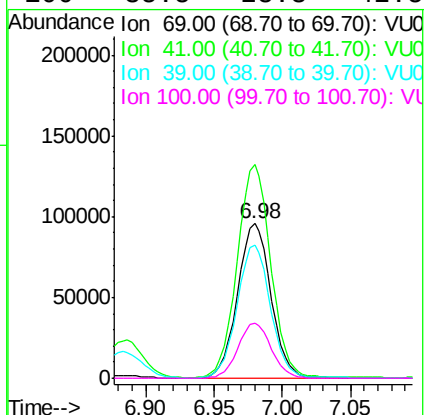
Tgt Ion	Ratio	Lower	Upper
75	100		
53	90.5	78.6	118.0
89	50.9	40.3	60.5
88	42.0	34.0	51.0





#47
Methyl methacrylate
Concen: 48.237 ug/l
RT: 6.98 min Scan# 1754
Delta R.T. -0.00 min
Lab File: VU039700.D
Acq: 29 Jul 2020 13:07

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	137.8	0.0	271.6		
39	85.5	67.4	101.2		
100	35.5	28.3	42.5		

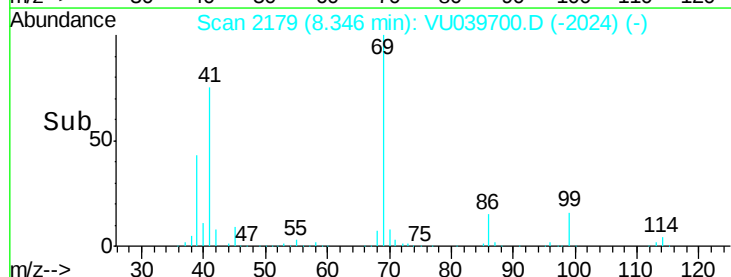
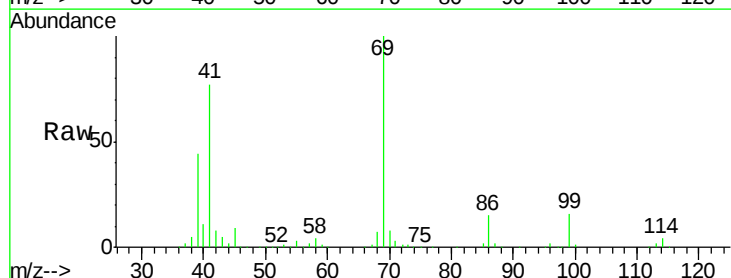
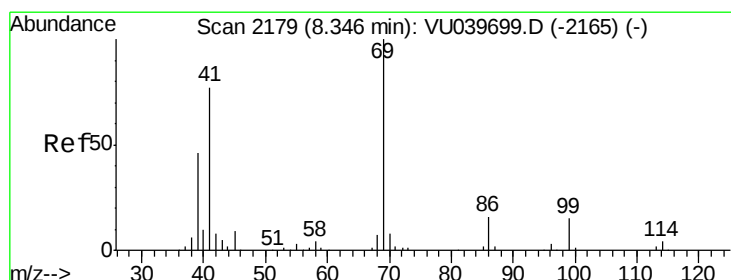


Instrument : MSVOA_U
ClientSampleId : VSTDIC020

Manual Integrations
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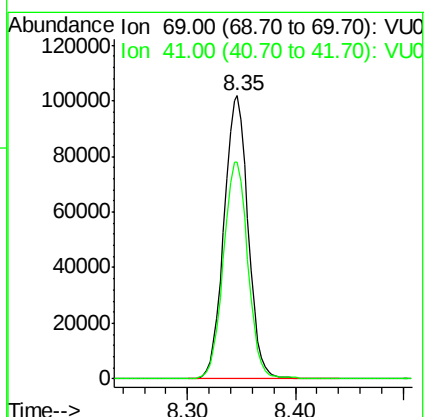
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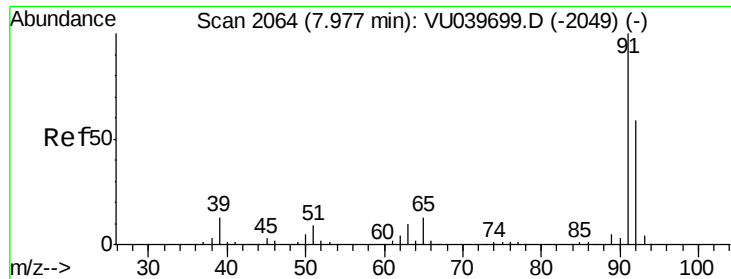
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#48
Ethyl methacrylate
Concen: 25.474 ug/l
RT: 8.35 min Scan# 2179
Delta R.T. -0.00 min
Lab File: VU039700.D
Acq: 29 Jul 2020 13:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	76.9	39.1	117.5		





#49

Toluene

Concen: 21.265 ug/l

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039700.D

Acq: 29 Jul 2020 13:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

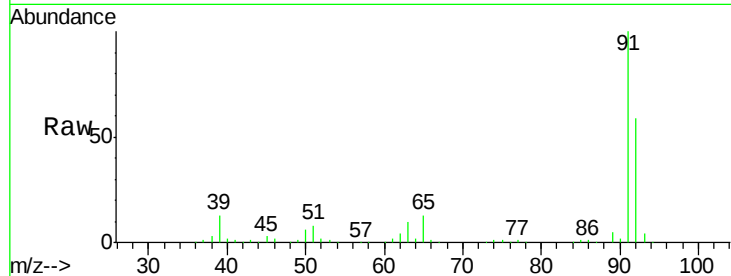
Tot Ion: 92 Resp: 346424

Ion Ratio Lower Upper

92 100

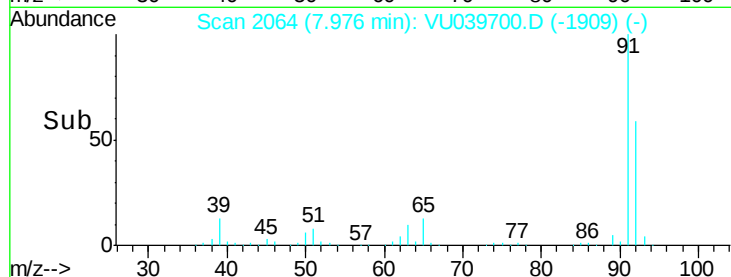
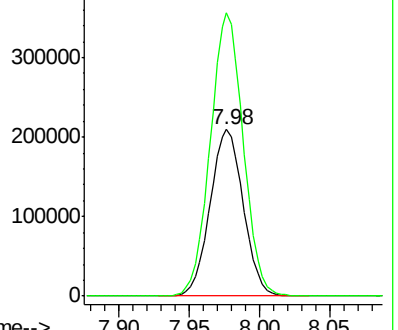
91 168.1 136.1 204.1

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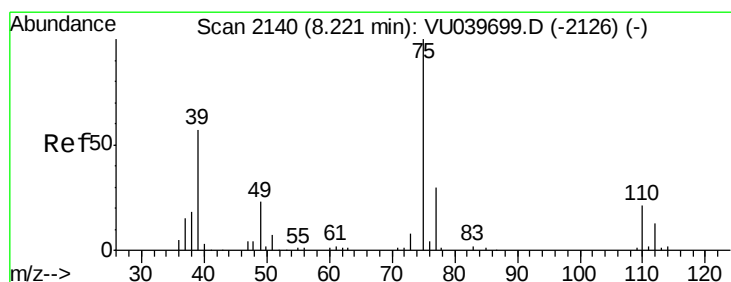
Abundance Ion 92.00 (91.70 to 92.70): VU039699.D (-2049) (-)

Ion 91.00 (90.70 to 91.70): VU039699.D (-2049) (-)



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#50

t-1,3-Dichloropropene

Concen: 23.316 ug/l

RT: 8.22 min Scan# 2140

Delta R.T. -0.00 min

Lab File: VU039700.D

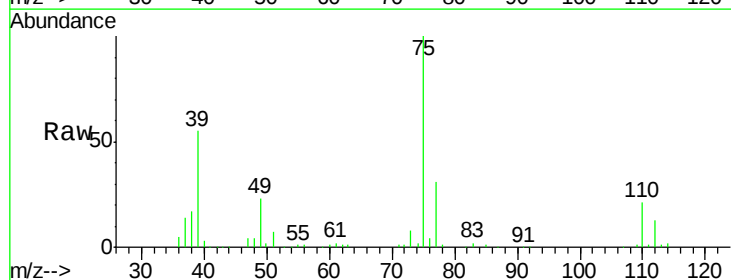
Acq: 29 Jul 2020 13:07

Tgt Ion: 75 Resp: 195089

Ion Ratio Lower Upper

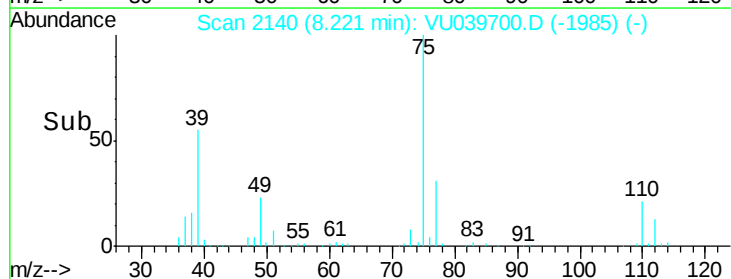
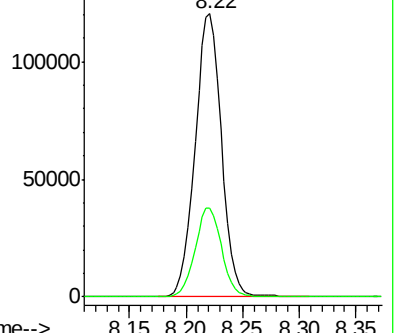
75 100

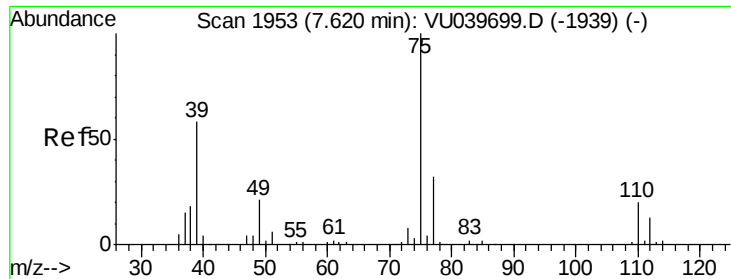
77 31.4 24.3 36.5



Abundance Ion 75.00 (74.70 to 75.70): VU039699.D (-2126) (-)

Ion 77.00 (76.70 to 77.70): VU039699.D (-2126) (-)



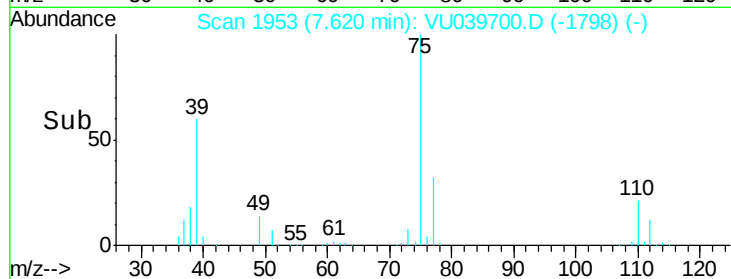
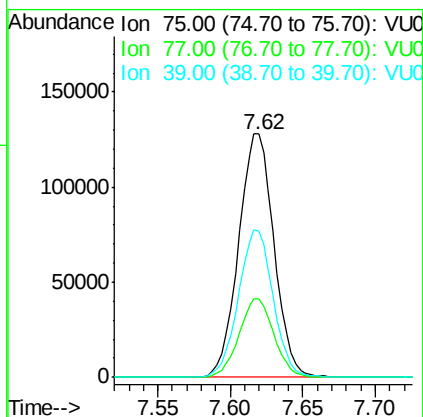
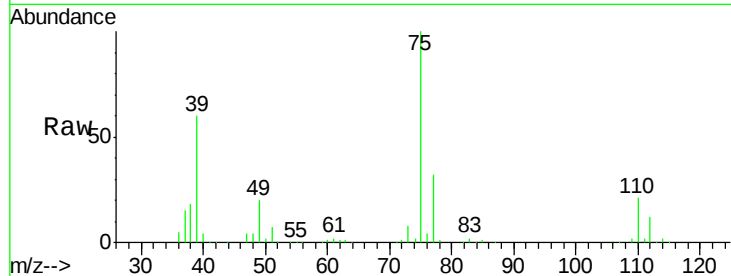


#51
 cis-1,3-Dichloropropene
 Concen: 21.772 ug/l
 RT: 7.62 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VU039700.D
 Acq: 29 Jul 2020 13:07

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC020

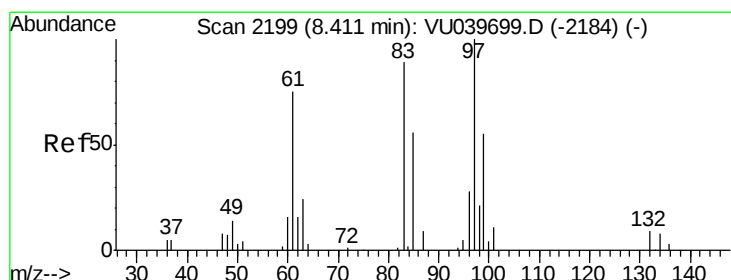
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.7	38.5
39	59.9	46.1	69.1

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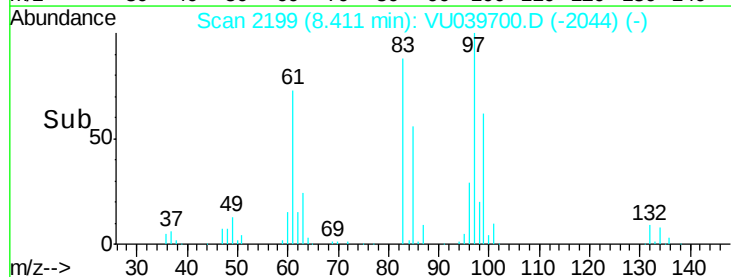
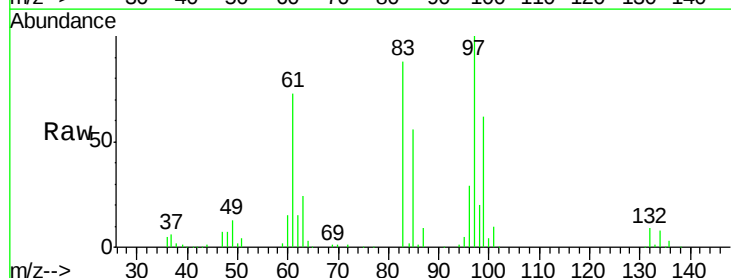
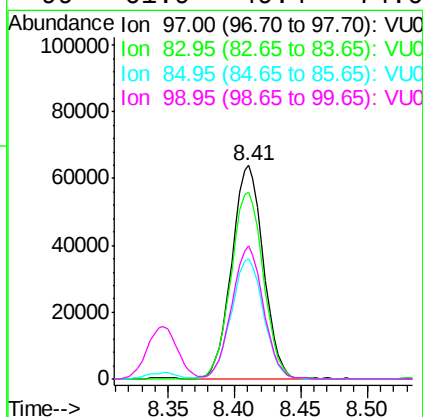
MMDadoda

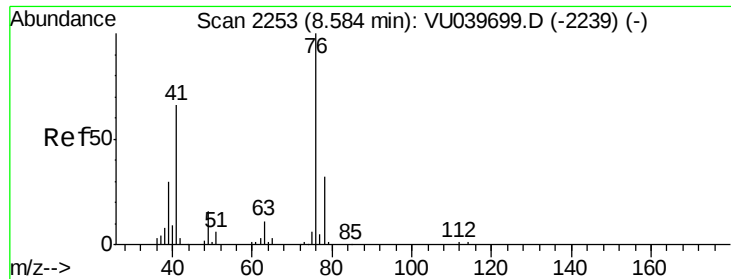
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#52
 1,1,2-Trichloroethane
 Concen: 22.657 ug/l
 RT: 8.41 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: VU039700.D
 Acq: 29 Jul 2020 13:07

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.8	71.3	106.9
85	56.3	45.4	68.2
99	61.9	49.4	74.0



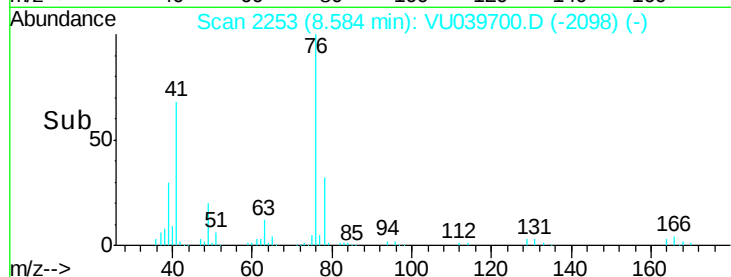
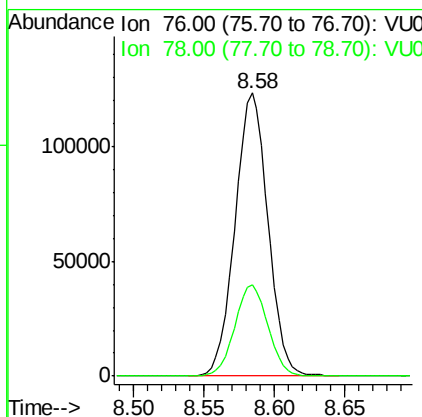
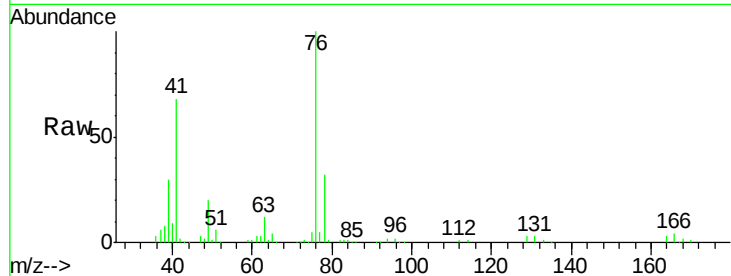


#53
 1,3-Dichloropropane
 Concen: 22.948 ug/l
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VU039700.D
 Acq: 29 Jul 2020 13:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

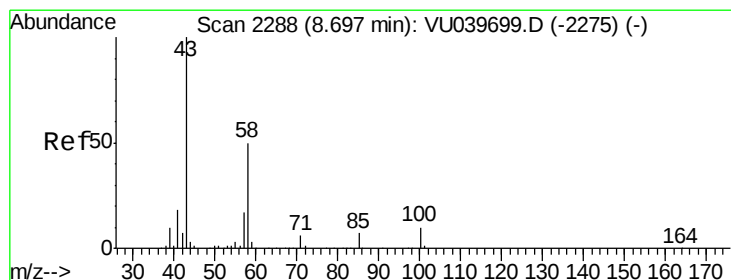
Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.4	38.2

Manual Integrations
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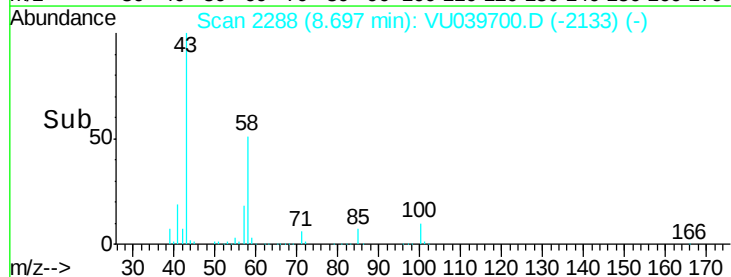
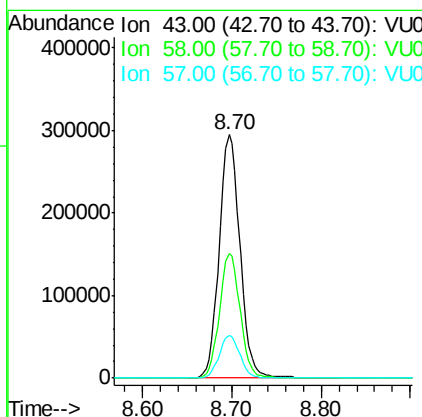
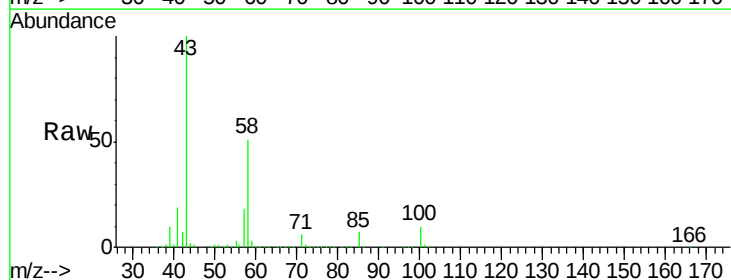
MMDadoda

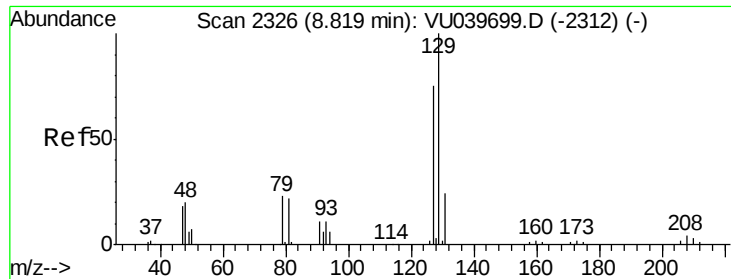
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#54
 2-Hexanone
 Concen: 143.113 ug/l
 RT: 8.70 min Scan# 2288
 Delta R.T. -0.00 min
 Lab File: VU039700.D
 Acq: 29 Jul 2020 13:07

Tgt Ion	Ratio	Lower	Upper
43	100		
58	50.6	29.9	69.9
57	17.4	0.0	37.2



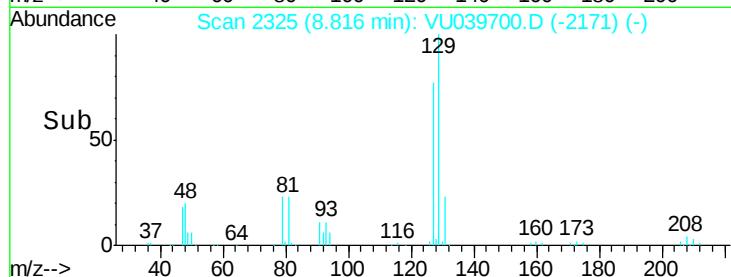
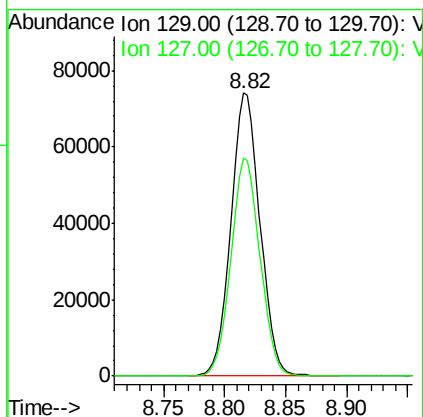
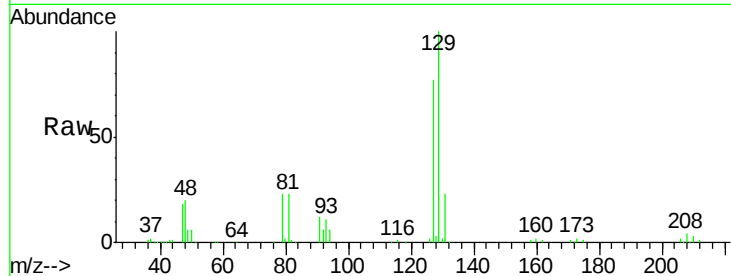


#55
Dibromochloromethane
Concen: 23.877 ug/l
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU039700.D
Acq: 29 Jul 2020 13:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

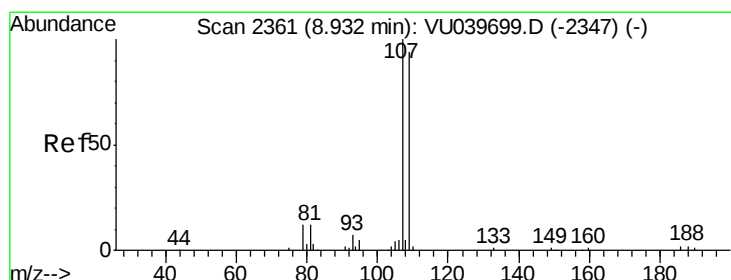
Tot Ion	Ratio	Lower	Upper
129	100		
127	76.6	62.4	93.6

Manual Integrations
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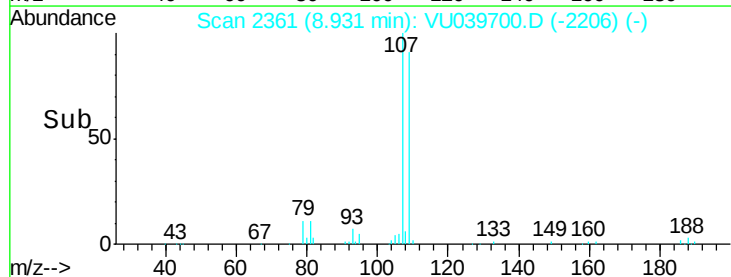
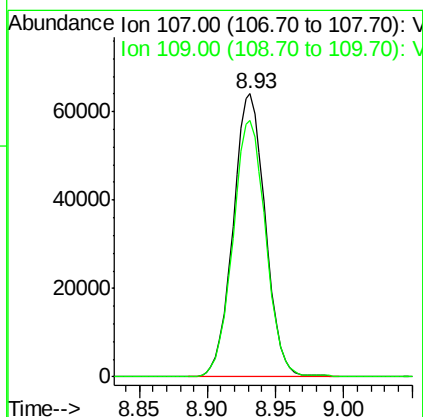
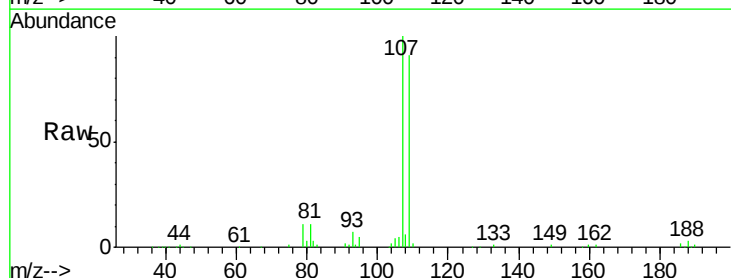
MMDadoda

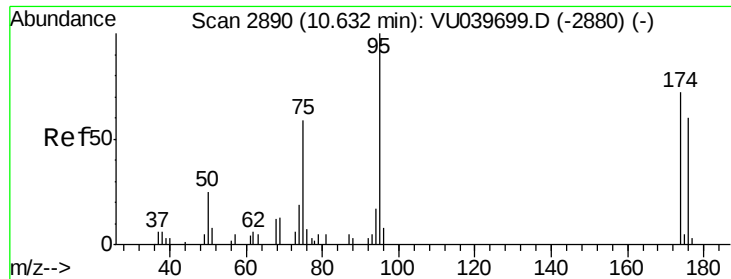
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#56
1,2-Dibromoethane
Concen: 23.617 ug/l
RT: 8.93 min Scan# 2361
Delta R.T. -0.00 min
Lab File: VU039700.D
Acq: 29 Jul 2020 13:07

Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.6	0.0	185.2



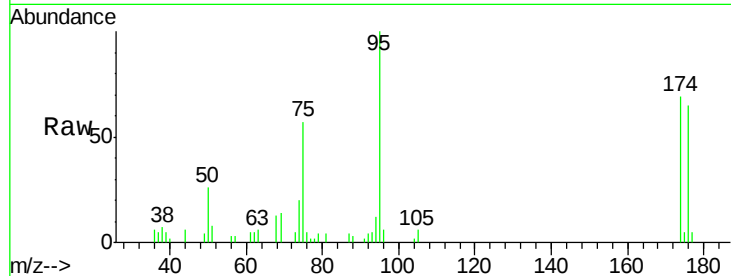


#57
4-Bromofluorobenzene
Concen: 1.131 ug/l
RT: 10.64 min Scan# 2891
Delta R.T. 0.00 min
Lab File: VU039700.D
Acq: 29 Jul 2020 13:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
95	100		
174	68.6	57.0	85.4
176	65.2	50.2	75.2

Manual Integrations
APPROVED

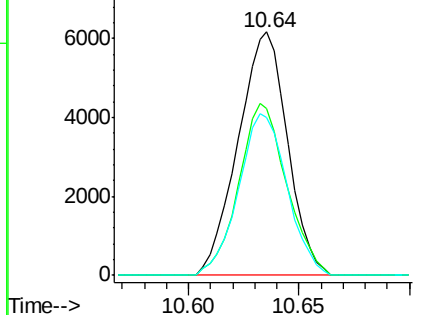


Abundance

Ion 95.00 (94.70 to 95.70): VU039700.D (-2579) (-)

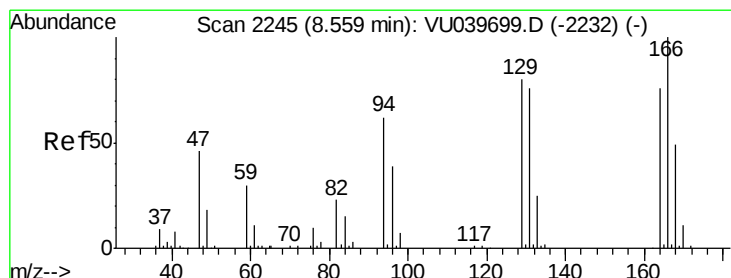
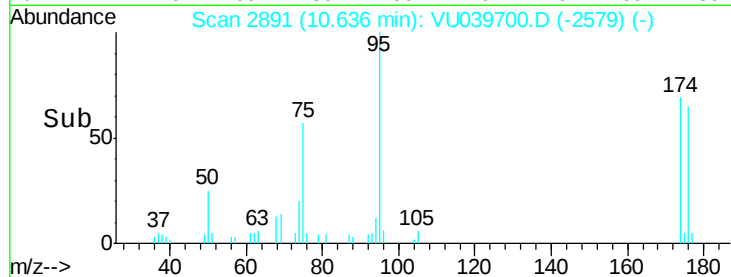
Ion 174.00 (173.70 to 174.70): VU039700.D (-2579) (-)

Ion 176.00 (175.70 to 176.70): VU039700.D (-2579) (-)



MMDadoda

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#58
Tetrachloroethene
Concen: 17.713 ug/l
RT: 8.56 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VU039700.D
Acq: 29 Jul 2020 13:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	104.8	157.2
129	101.5	84.1	126.1
131	97.4	80.1	120.1

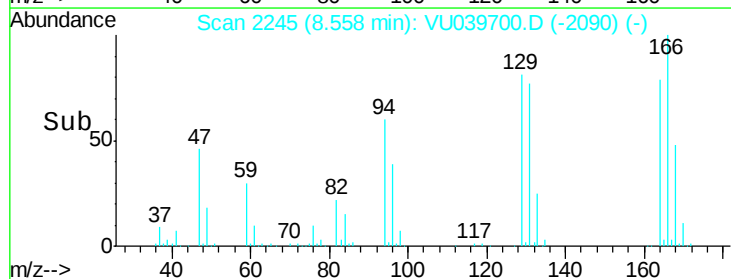
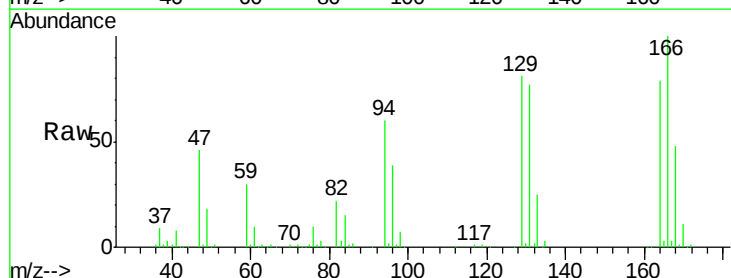
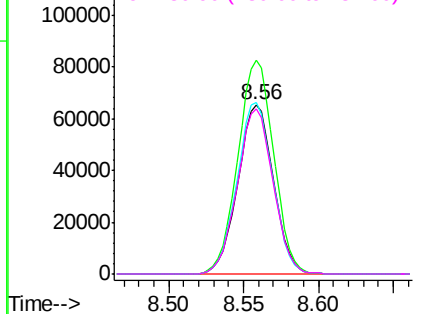
Abundance

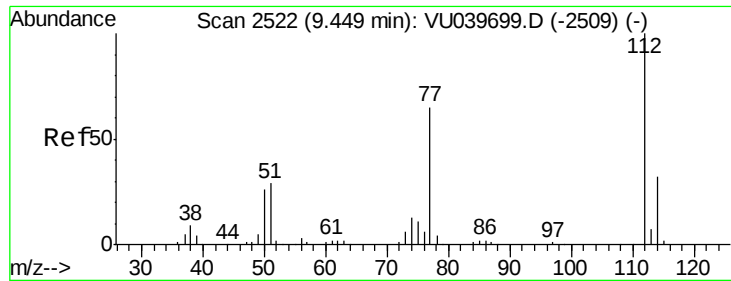
Ion 163.85 (163.55 to 164.55): VU039700.D (-2090) (-)

Ion 165.80 (165.50 to 166.50): VU039700.D (-2090) (-)

Ion 128.90 (128.60 to 129.60): VU039700.D (-2090) (-)

Ion 130.90 (130.60 to 131.60): VU039700.D (-2090) (-)



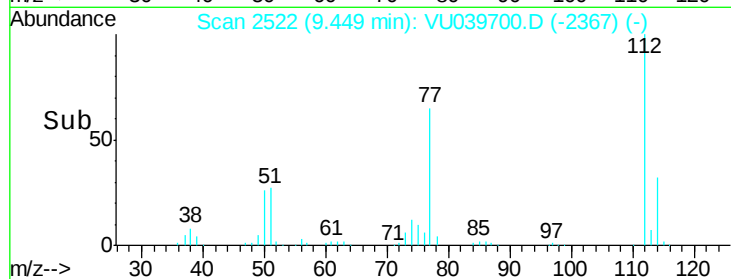
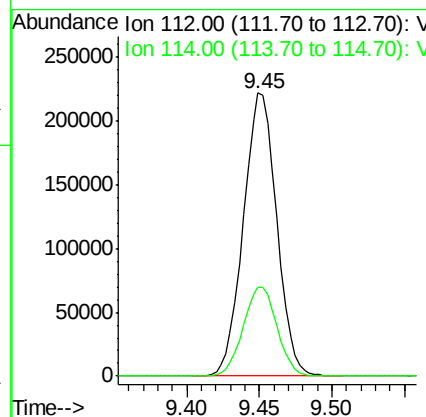
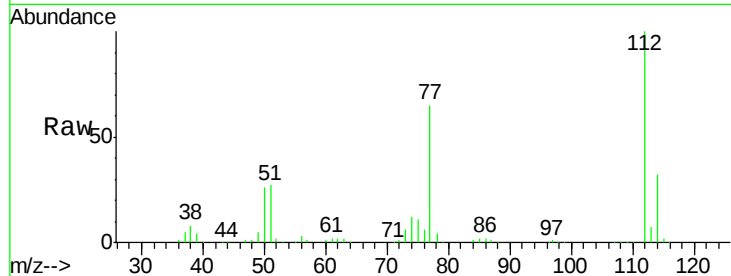


#59
Chlorobenzene
Concen: 20.626 ug/l
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU039700.D
Acq: 29 Jul 2020 13:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

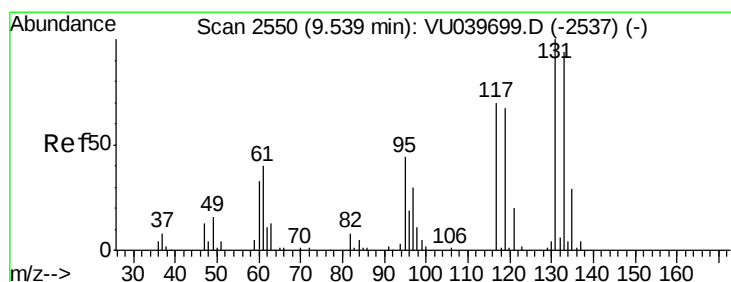
Tot Ion:112 Resp: 355355
Ion Ratio Lower Upper
112 100
114 31.5 25.8 38.6

Manual Integrations
APPROVED



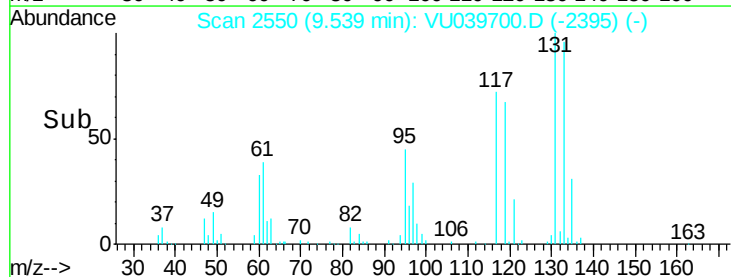
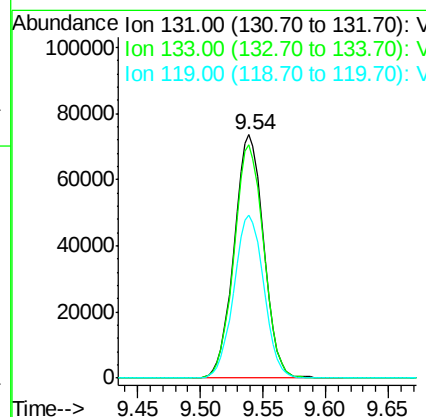
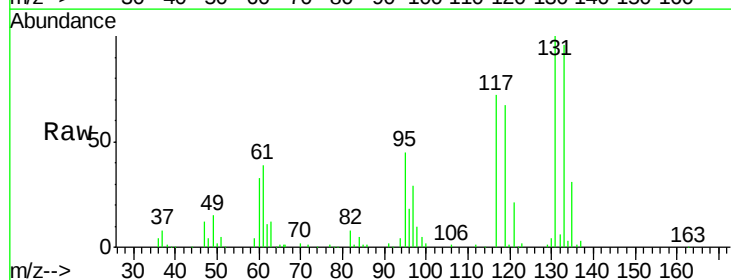
MMDadoda

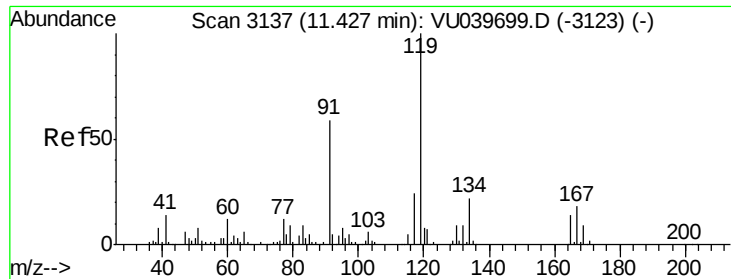
7/31/2020 3:43:07 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 22.723 ug/l
RT: 9.54 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU039700.D
Acq: 29 Jul 2020 13:07

Tgt Ion:131 Resp: 120512
Ion Ratio Lower Upper
131 100
133 96.4 75.8 113.8
119 68.4 54.6 81.8



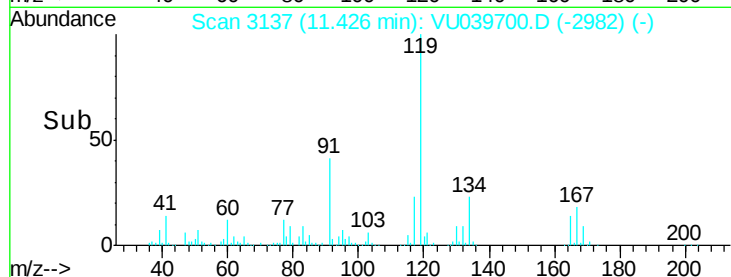
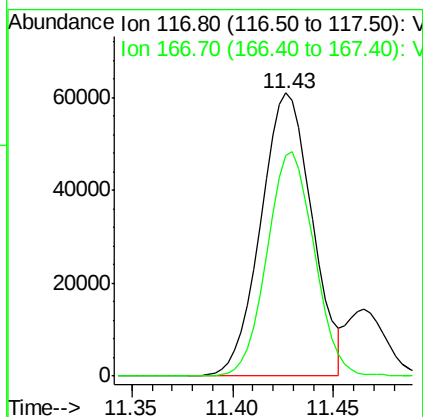
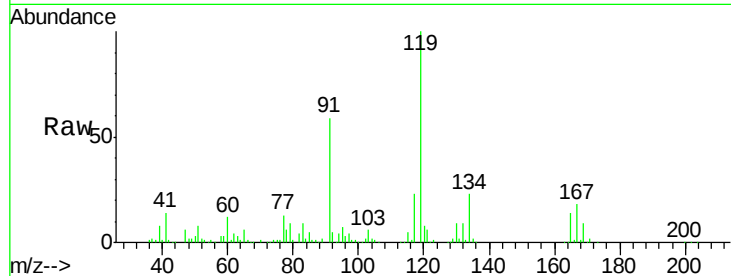


#61
 Pentachloroethane
 Concen: 26.274 ug/l
 RT: 11.43 min Scan# 3137
 Delta R.T. -0.00 min
 Lab File: VU039700.D
 Acq: 29 Jul 2020 13:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

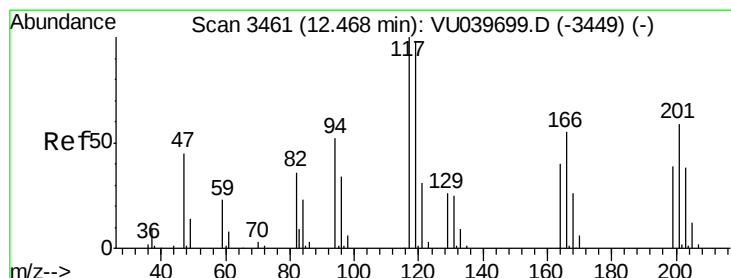
Tot Ion:117 Resp: 107864
 Ion Ratio Lower Upper
 117 100
 167 72.8 56.6 85.0

Manual Integrations
 APPROVED



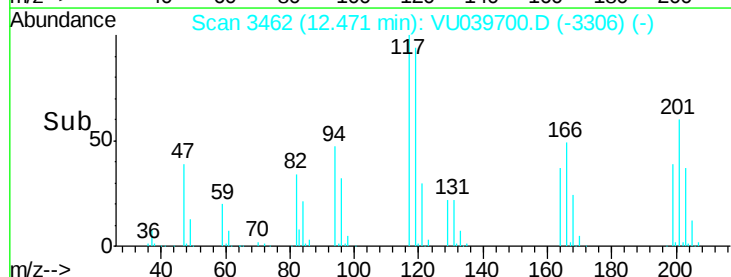
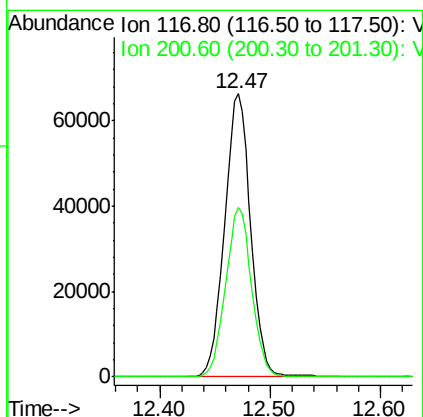
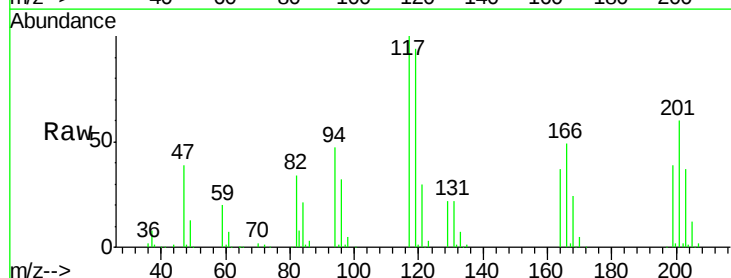
MMDadoda

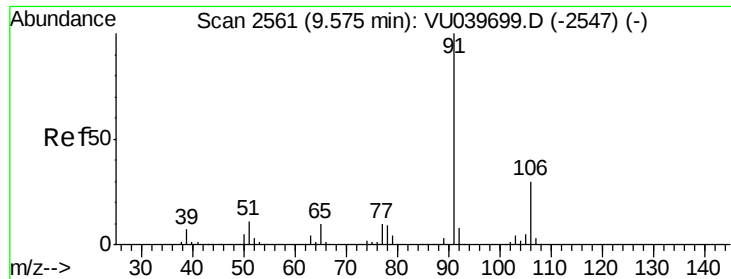
7/31/2020 3:43:07 PM



#62
 Hexachloroethane
 Concen: 25.752 ug/l
 RT: 12.47 min Scan# 3462
 Delta R.T. 0.00 min
 Lab File: VU039700.D
 Acq: 29 Jul 2020 13:07

Tgt Ion:117 Resp: 108296
 Ion Ratio Lower Upper
 117 100
 201 59.7 48.1 72.1



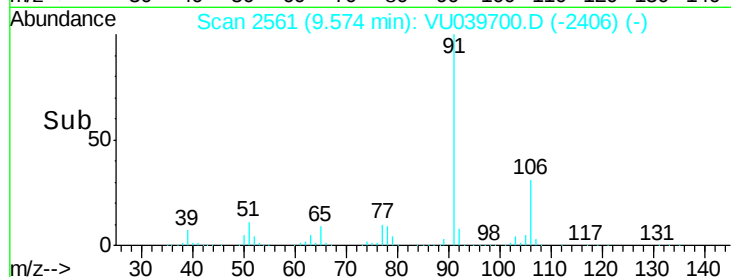
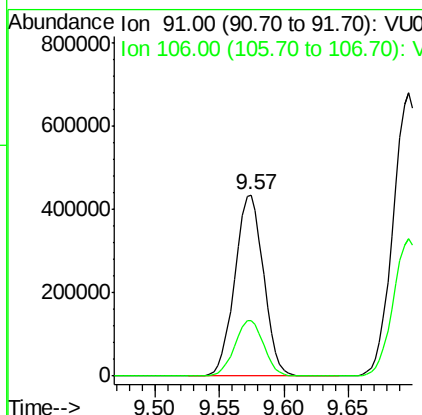
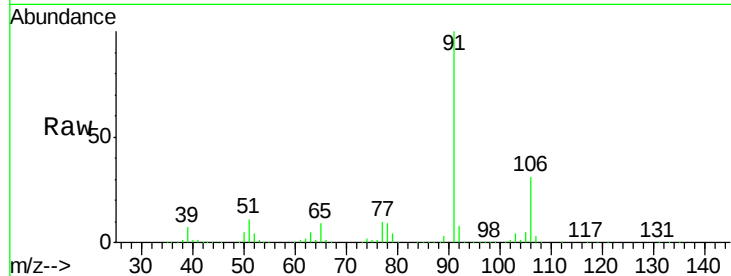


#63
Ethyl Benzene
Concen: 21.882 ug/l
RT: 9.57 min Scan# 2561
Delta R.T. -0.00 min
Lab File: VU039700.D
Acq: 29 Jul 2020 13:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

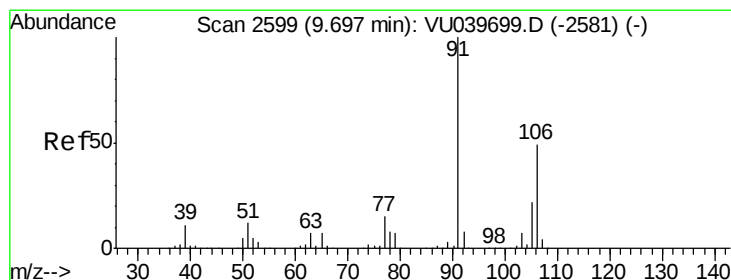
Tot Ion: 91 Resp: 675202
Ion Ratio Lower Upper
91 100
106 30.9 24.2 36.4

Manual Integrations
APPROVED



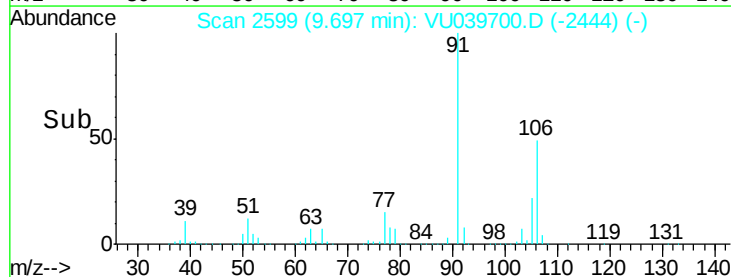
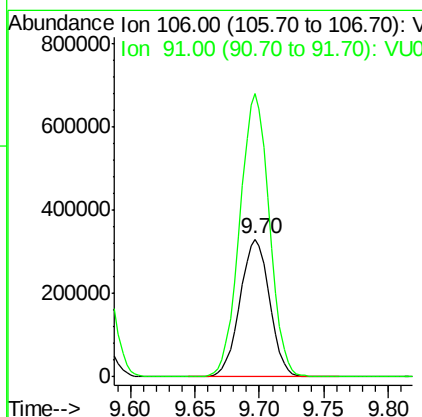
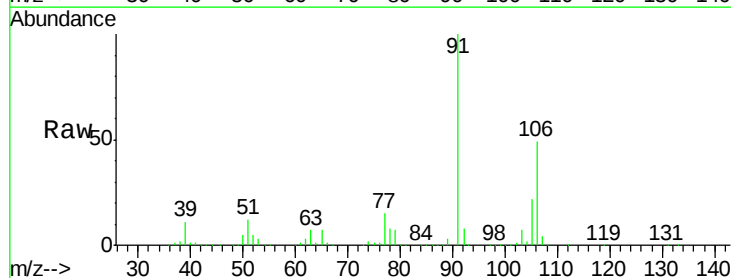
MMDadoda

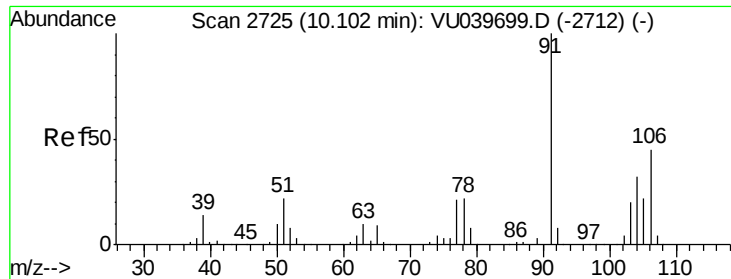
7/31/2020 3:43:07 PM



#64
m/p-Xylenes
Concen: 44.332 ug/l
RT: 9.70 min Scan# 2599
Delta R.T. -0.00 min
Lab File: VU039700.D
Acq: 29 Jul 2020 13:07

Tgt Ion: 106 Resp: 528221
Ion Ratio Lower Upper
106 100
91 204.5 163.9 245.9





#65

o-Xylene

Concen: 21.780 ug/l

RT: 10.10 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VU039700.D

Acq: 29 Jul 2020 13:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

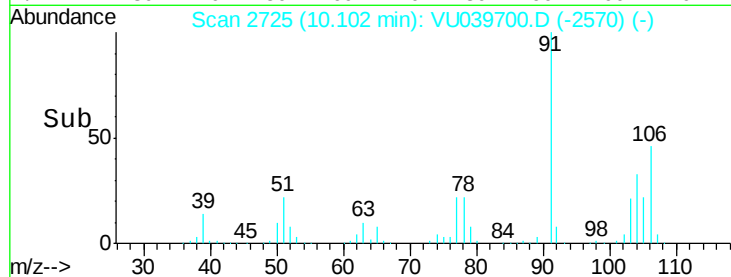
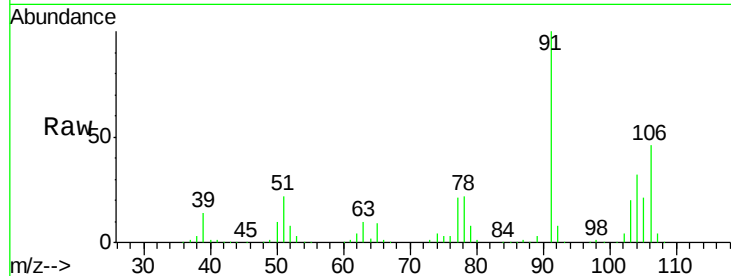
Tot Ion:106 Resp: 251521

Ion Ratio Lower Upper

106 100

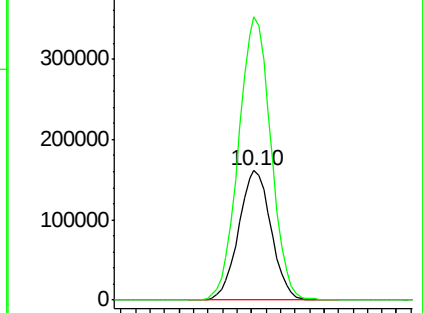
91 217.3 110.3 331.0

Manual Integrations
APPROVED



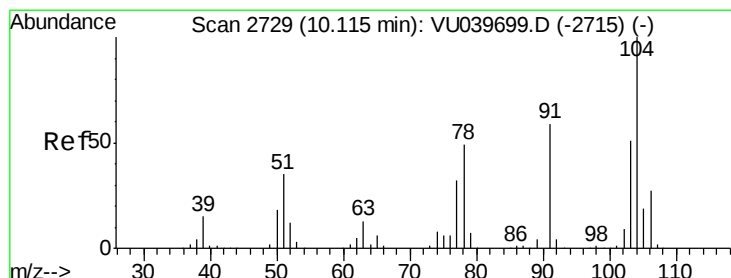
Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



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#66

Styrene

Concen: 23.126 ug/l

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU039700.D

Acq: 29 Jul 2020 13:07

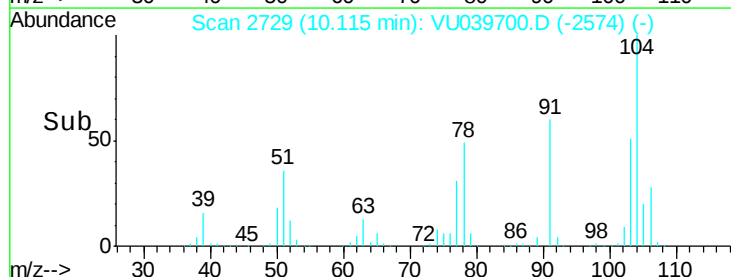
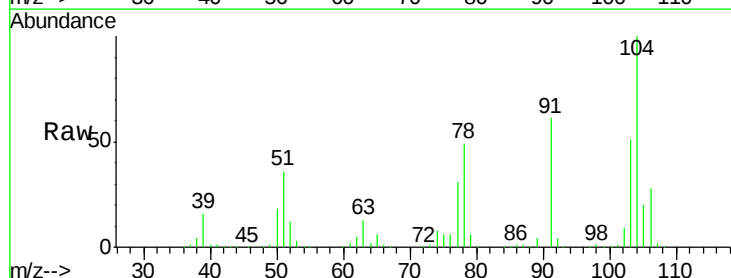
Tgt Ion:104 Resp: 443598

Ion Ratio Lower Upper

104 100

78 53.2 42.2 63.4

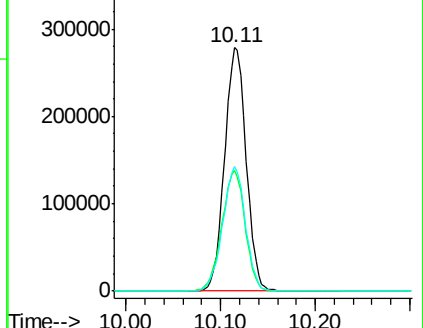
103 53.5 43.4 65.2

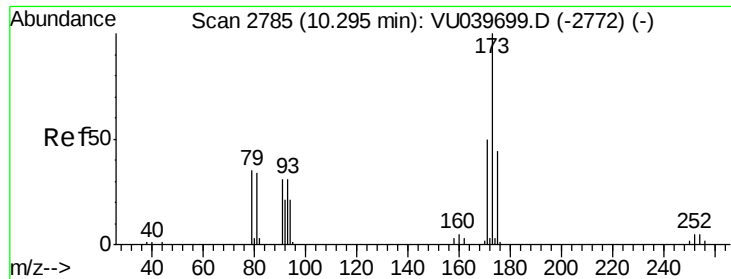


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 25.395 ug/l

RT: 10.29 min Scan# 2785

Delta R.T. -0.00 min

Lab File: VU039700.D

Acq: 29 Jul 2020 13:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 68985

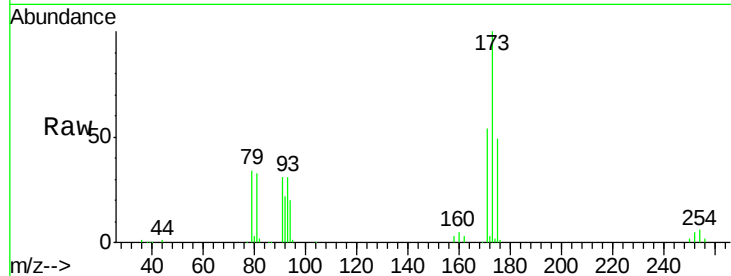
Ion Ratio Lower Upper

173 100

175 48.6 36.7 55.1

254 5.6 3.8 5.8

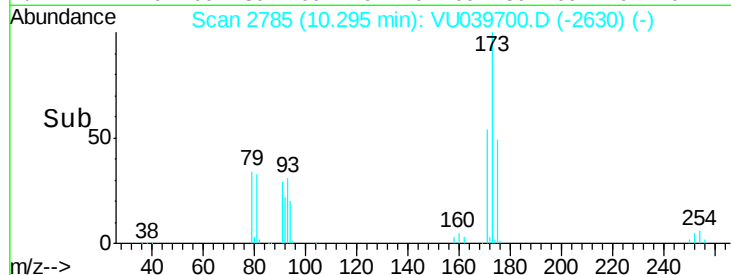
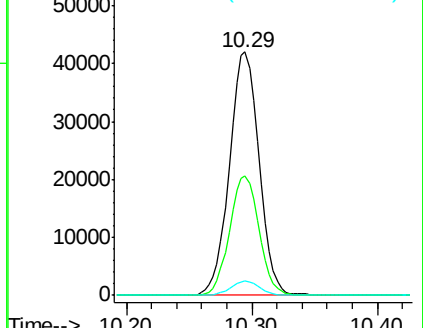
Manual Integrations
APPROVED



Abundance Ion 172.90 (172.60 to 173.60): V

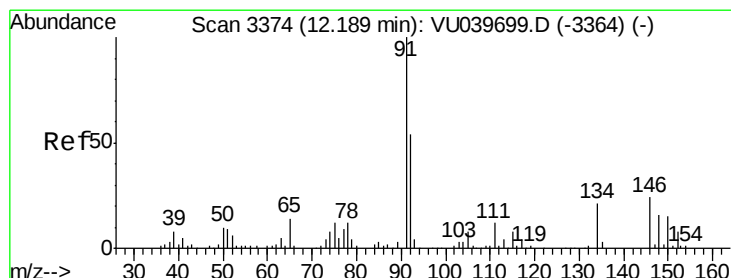
Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



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#68

1,2-Dichlorobenzene-d4

Concen: 1.128 ug/l

RT: 12.19 min Scan# 3374

Delta R.T. -0.00 min

Lab File: VU039700.D

Acq: 29 Jul 2020 13:07

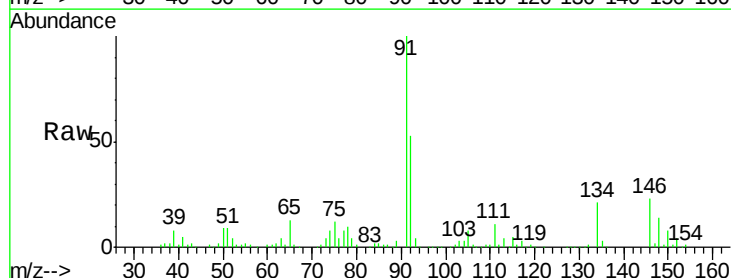
Tgt Ion:152 Resp: 9301

Ion Ratio Lower Upper

152 100

115 212.8 0.0 302.4

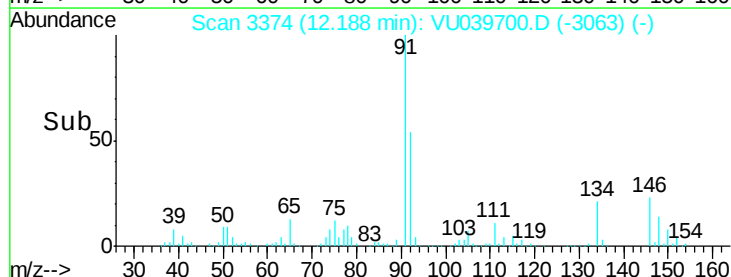
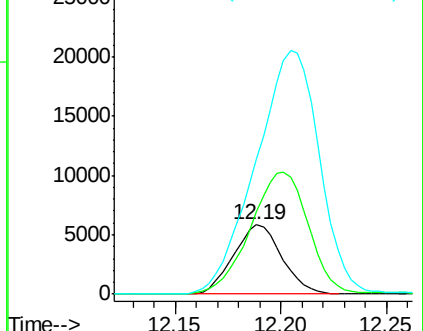
150 464.2 0.0 645.8

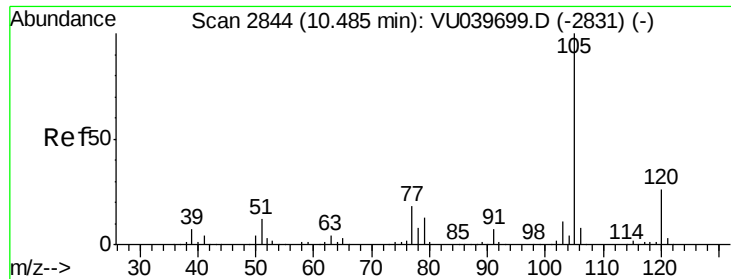


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



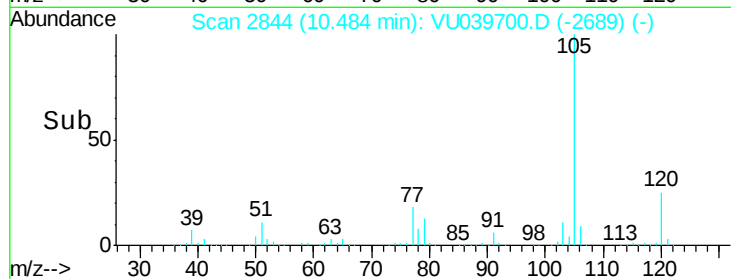
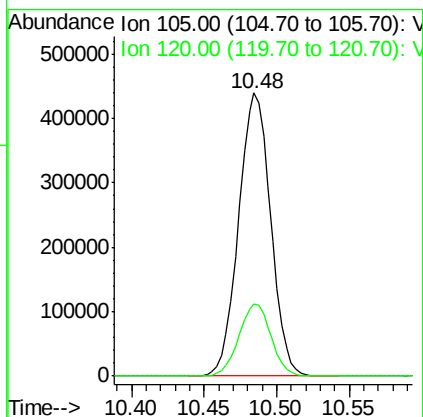
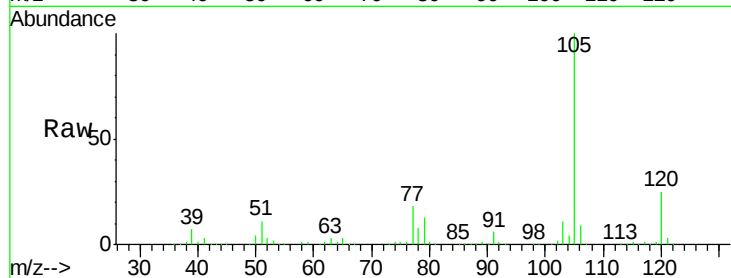


#69
Isopropylbenzene
Concen: 22.357 ug/l
RT: 10.48 min Scan# 2844
Delta R.T. -0.00 min
Lab File: VU039700.D
Acq: 29 Jul 2020 13:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

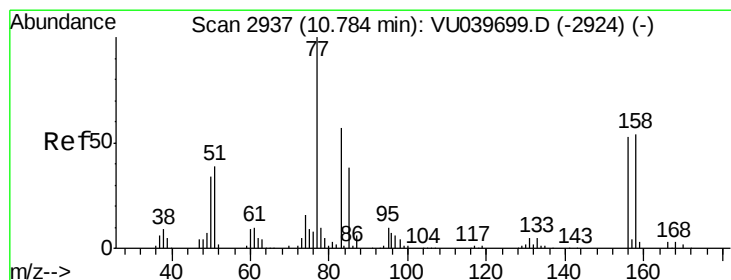
Tot Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.8	38.4

Manual Integrations
APPROVED



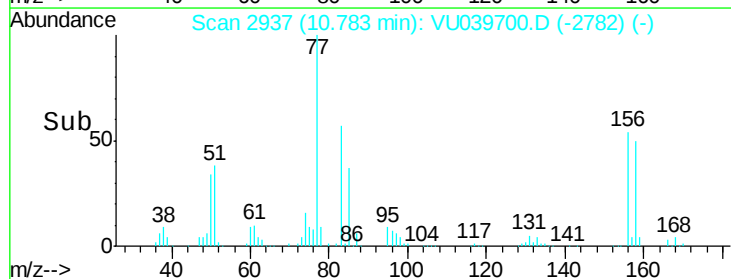
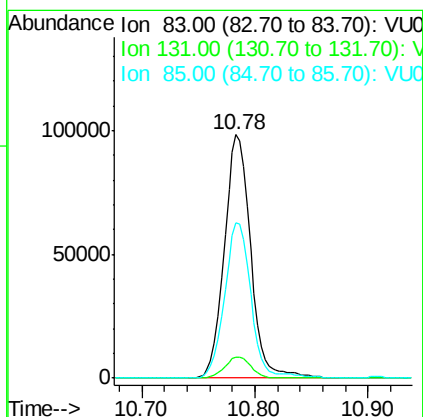
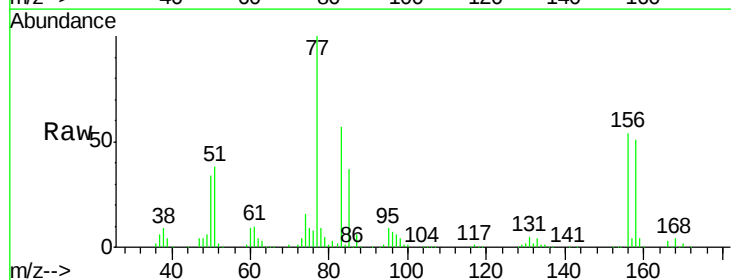
MMDadoda

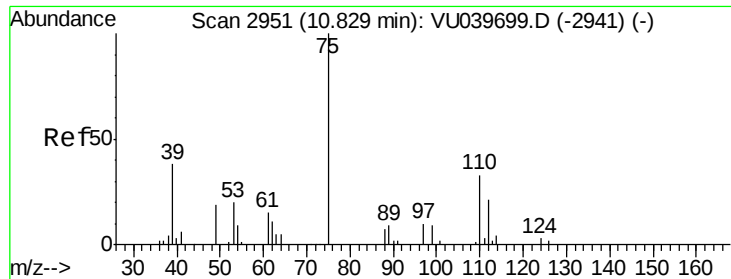
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#70
1,1,2,2-Tetrachloroethane
Concen: 26.003 ug/l
RT: 10.78 min Scan# 2937
Delta R.T. -0.00 min
Lab File: VU039700.D
Acq: 29 Jul 2020 13:07

Tgt Ion	Ratio	Lower	Upper
83	100		
131	8.6	7.0	10.6
85	64.3	50.6	75.8



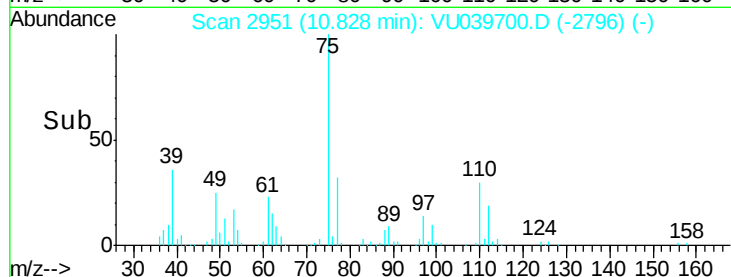
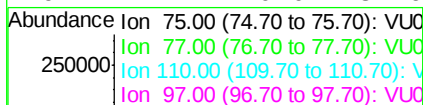
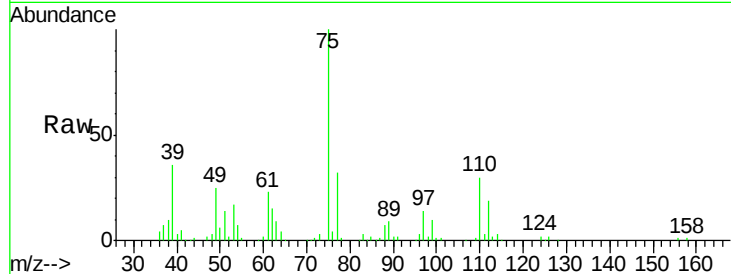


#71
1,2,3-Trichloropropane
Concen: 25.586 ug/l m
RT: 10.83 min Scan# 2951
Delta R.T. -0.00 min
Lab File: VU039700.D
Acq: 29 Jul 2020 13:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

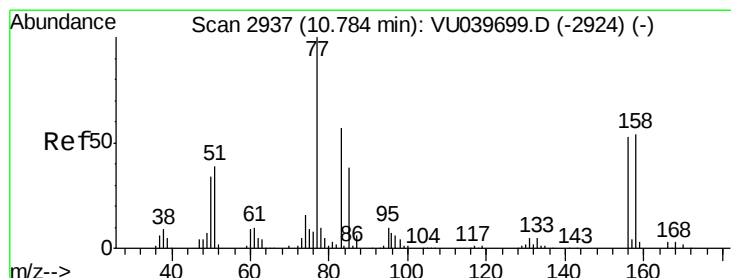
Tot Ion	Ratio	Lower	Upper
75	100		
77	52.3	0.0	91.0
110	35.8	0.0	64.2
97	17.7	0.0	32.6

Manual Integrations
APPROVED



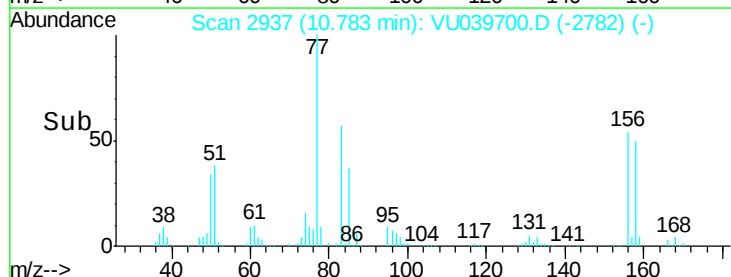
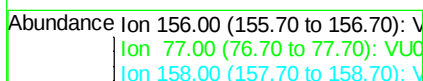
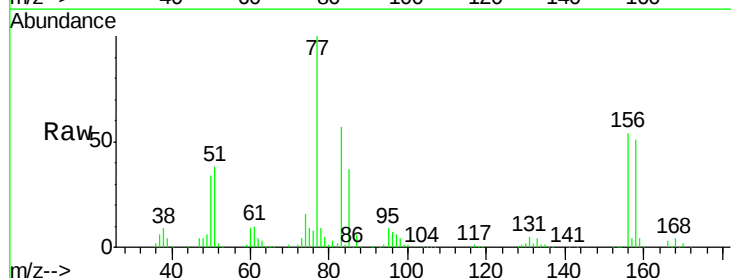
MMDadoda

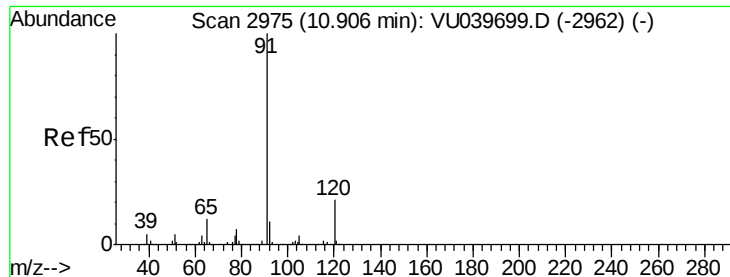
7/31/2020 3:43:07 PM



#72
Bromobenzene
Concen: 21.937 ug/l
RT: 10.78 min Scan# 2937
Delta R.T. -0.00 min
Lab File: VU039700.D
Acq: 29 Jul 2020 13:07

Tgt Ion	Ratio	Lower	Upper
156	100		
77	188.6	0.0	385.2
158	95.9	0.0	200.8





#73

n-propylbenzene

Concen: 22.621 ug/l

RT: 10.91 min Scan# 2975

Delta R.T. -0.00 min

Lab File: VU039700.D

Acq: 29 Jul 2020 13:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

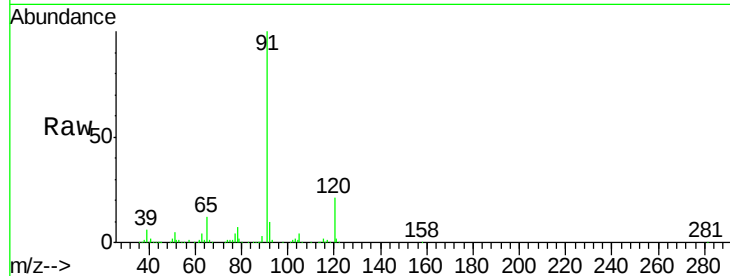
Tot Ion:120 Resp: 188027

Ion Ratio Lower Upper

120 100

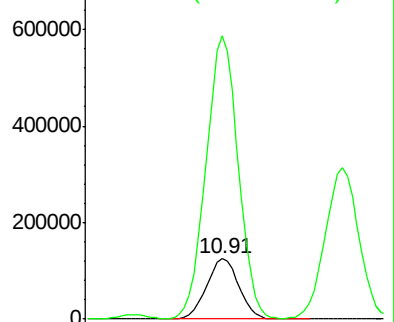
91 463.5 371.7 557.5

Manual Integrations
APPROVED



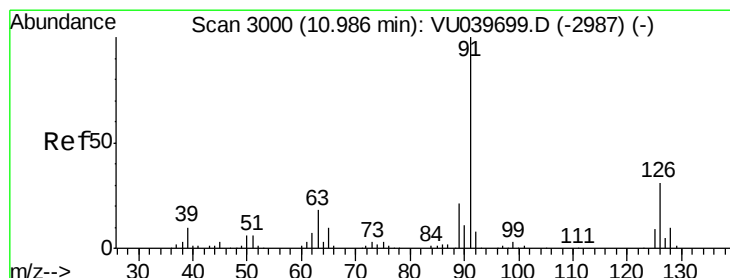
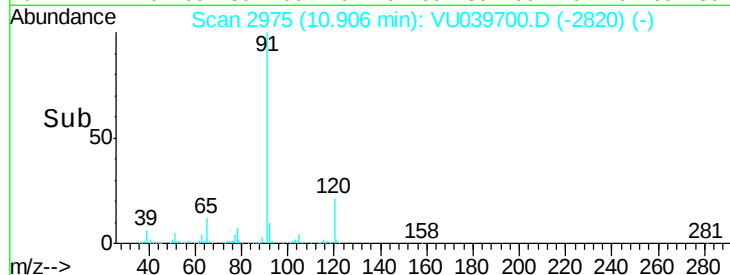
Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



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7/31/2020 3:43:07 PM



#74

2-Chlorotoluene

Concen: 21.915 ug/l

RT: 10.99 min Scan# 3000

Delta R.T. -0.00 min

Lab File: VU039700.D

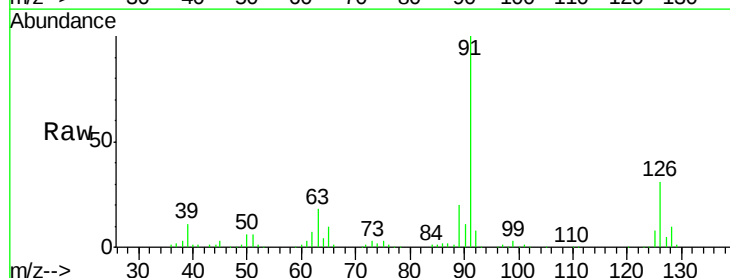
Acq: 29 Jul 2020 13:07

Tgt Ion:126 Resp: 152969

Ion Ratio Lower Upper

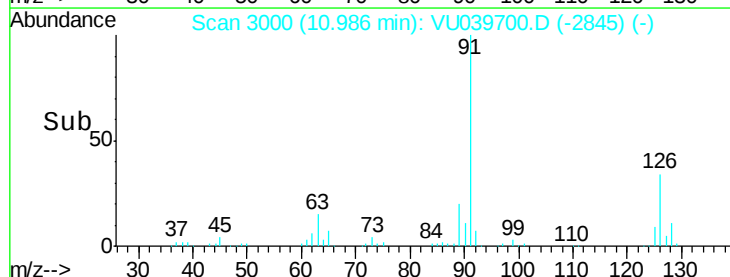
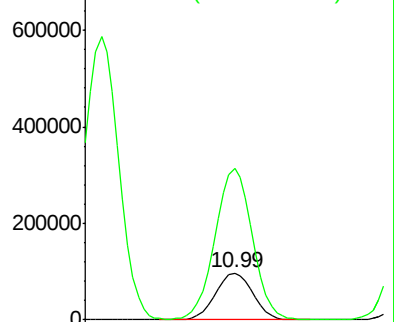
126 100

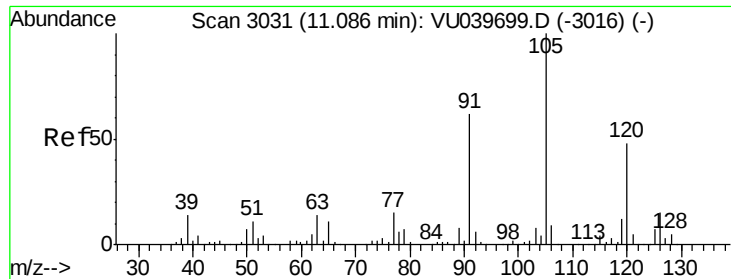
91 316.6 0.0 637.0



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: 23.420 ug/l

RT: 11.09 min Scan# 3031

Delta R.T. -0.00 min

Lab File: VU039700.D

Acq: 29 Jul 2020 13:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

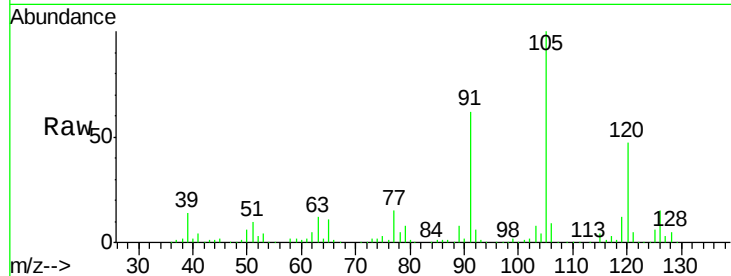
Tot Ion:105 Resp: 593616

Ion Ratio Lower Upper

105 100

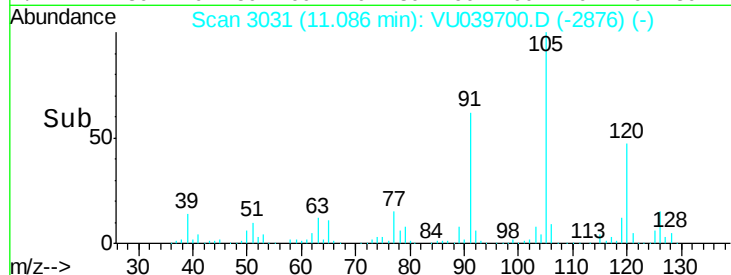
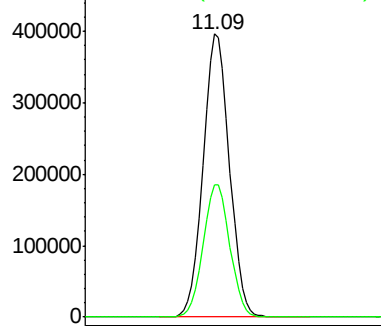
120 47.5 38.0 57.0

Manual Integrations
APPROVED



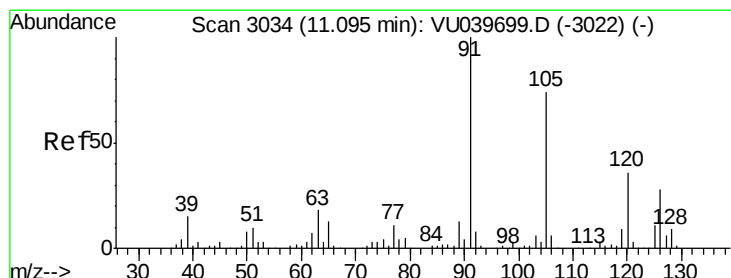
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



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#76

4-Chlorotoluene

Concen: 22.280 ug/l

RT: 11.10 min Scan# 3034

Delta R.T. -0.00 min

Lab File: VU039700.D

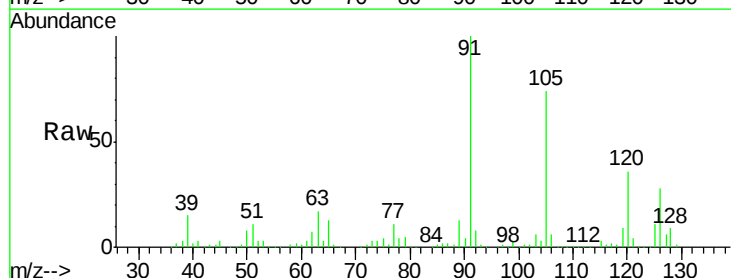
Acq: 29 Jul 2020 13:07

Tgt Ion:126 Resp: 161951

Ion Ratio Lower Upper

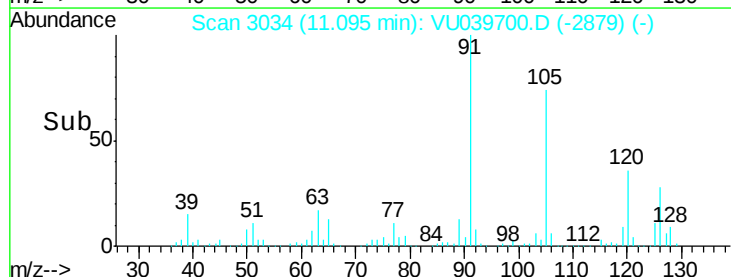
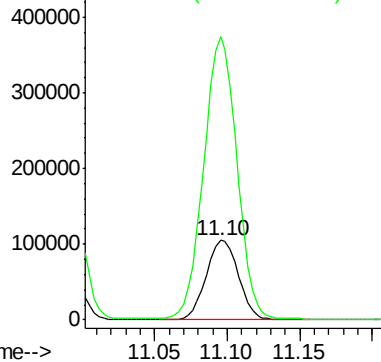
126 100

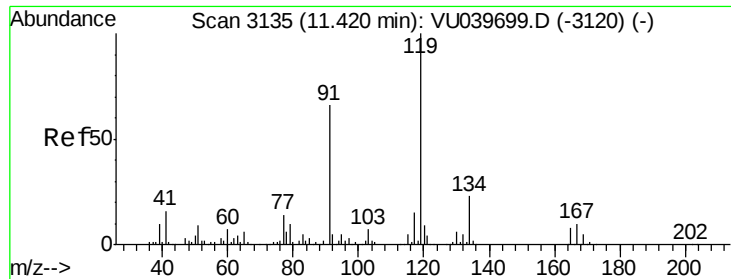
91 368.5 0.0 732.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77

tert-Butylbenzene

Concen: 23.466 ug/l

RT: 11.42 min Scan# 3134

Delta R.T. -0.00 min

Lab File: VU039700.D

Acq: 29 Jul 2020 13:07

Instrument :

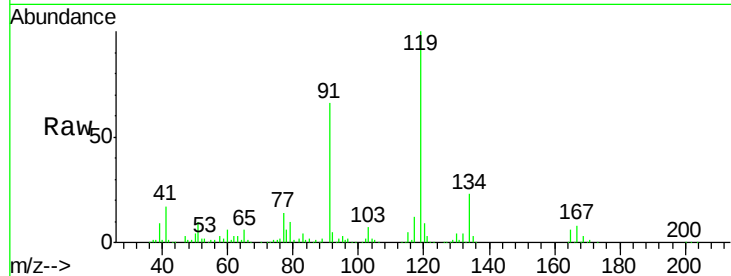
MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:	119	Resp:	564820
Ion Ratio	Lower	Upper	
119	100		
91	62.6	31.9	95.5
134	22.8	18.2	27.4

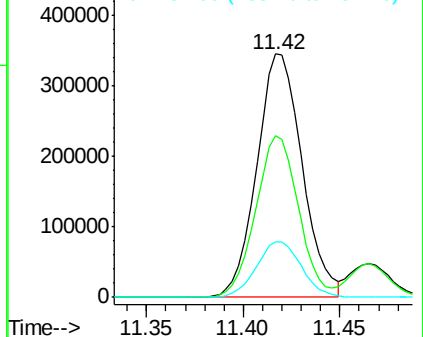
Manual Integrations
APPROVED



Abundance Ion 119.00 (118.70 to 119.70): V

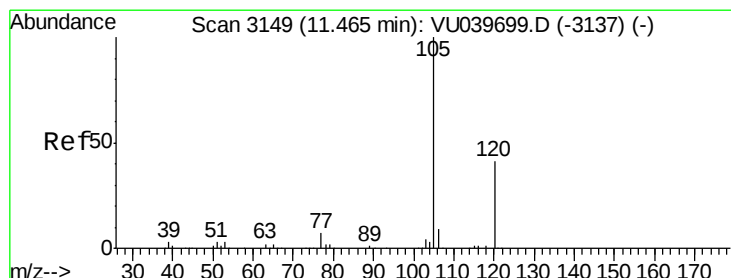
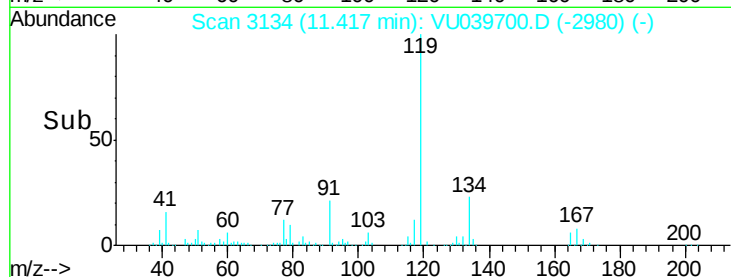
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



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#78

1,2,4-Trimethylbenzene

Concen: 23.267 ug/l

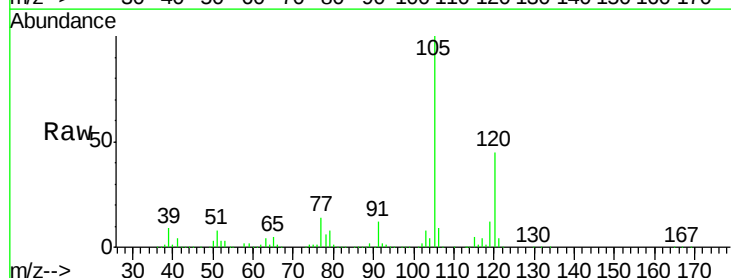
RT: 11.47 min Scan# 3149

Delta R.T. -0.00 min

Lab File: VU039700.D

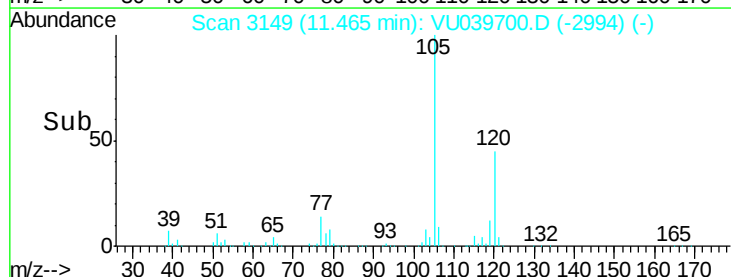
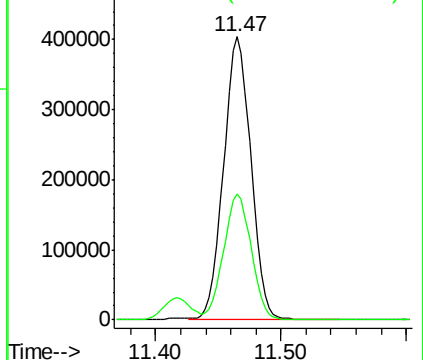
Acq: 29 Jul 2020 13:07

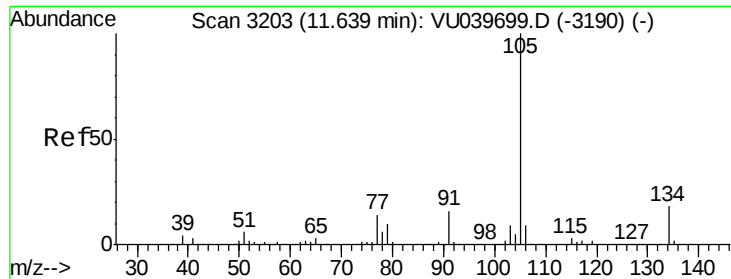
Tgt Ion:	105	Resp:	607391
Ion Ratio	Lower	Upper	
105	100		
120	45.1	22.7	68.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 22.900 ug/l

RT: 11.64 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VU039700.D

Acq: 29 Jul 2020 13:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

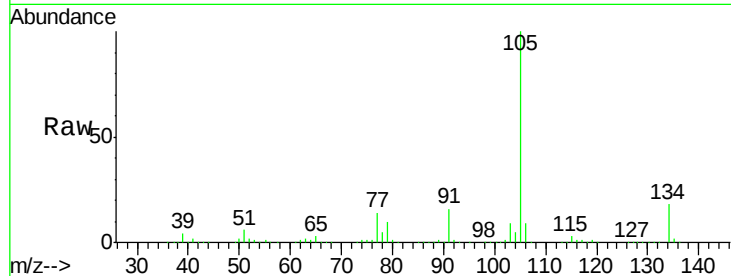
Tot Ion: 105 Resp: 787967

Ion Ratio Lower Upper

105 100

134 18.6 14.8 22.2

Manual Integrations
APPROVED



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

600000

500000

400000

300000

200000

100000

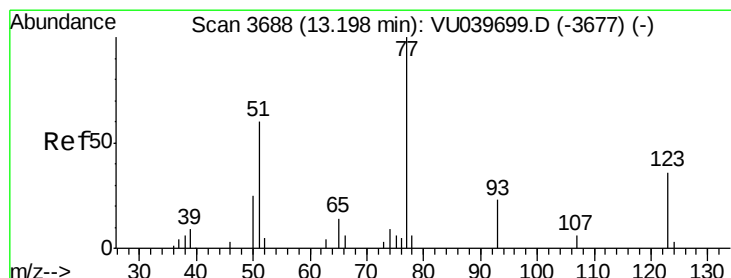
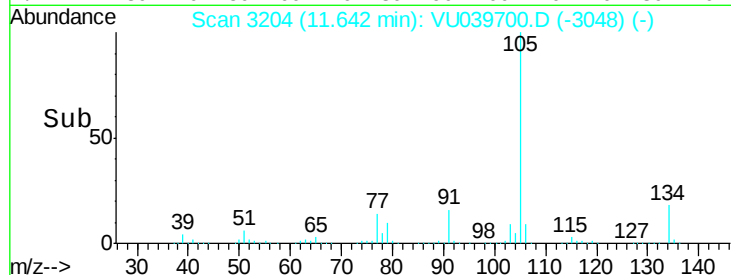
0

11.55 11.60 11.65 11.70

Time-->

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#80

Nitrobenzene

Concen: 102.896 ug/l

RT: 13.20 min Scan# 3688

Delta R.T. -0.00 min

Lab File: VU039700.D

Acq: 29 Jul 2020 13:07

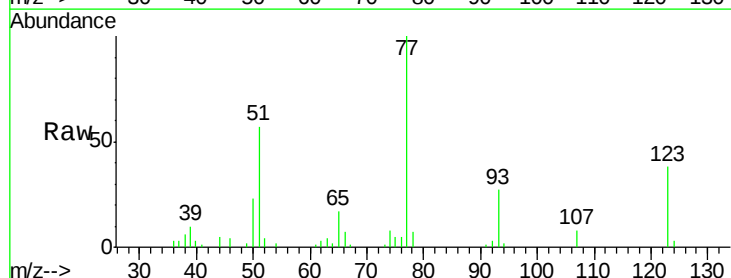
Tgt Ion: 77 Resp: 17162

Ion Ratio Lower Upper

77 100

123 40.6 16.9 59.9

65 14.8 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

12000

10000

8000

6000

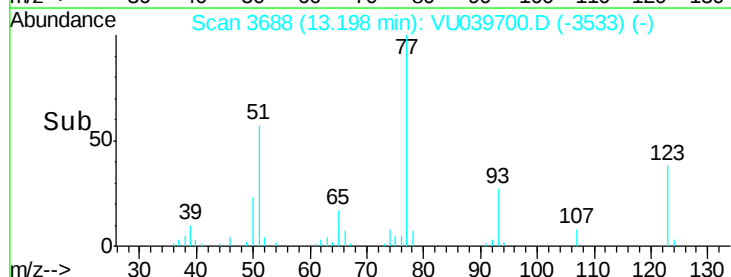
4000

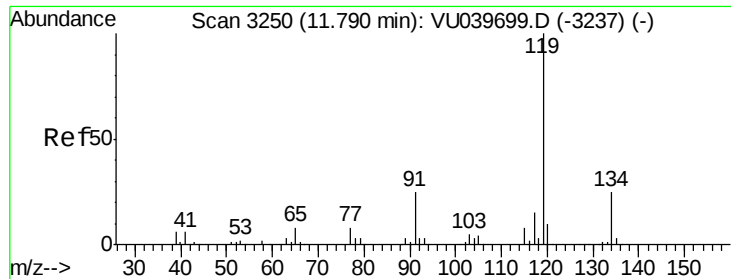
2000

0

13.15 13.20 13.25

Time-->



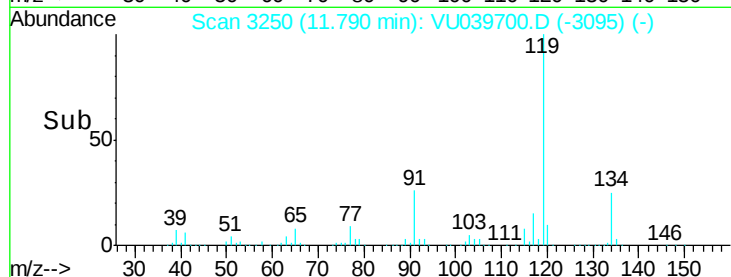
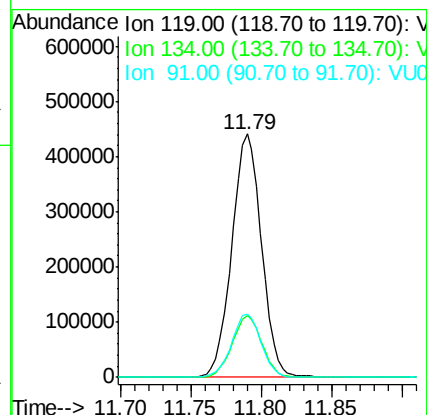
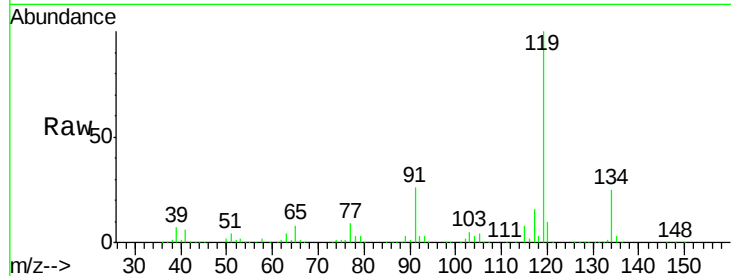


#81
 p-Isopropyltoluene
 Concen: 23.174 ug/l
 RT: 11.79 min Scan# 3250
 Delta R.T. -0.00 min
 Lab File: VU039700.D
 Acq: 29 Jul 2020 13:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

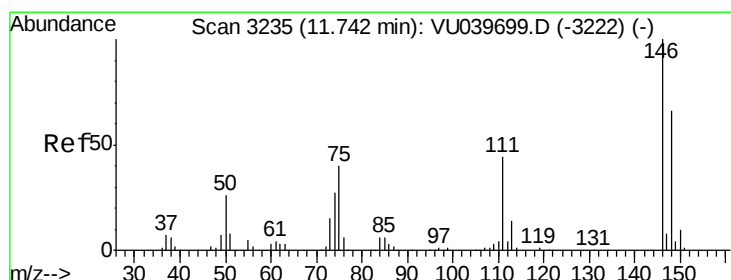
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.2	30.4
91	25.9	20.7	31.1

Manual Integrations
 APPROVED



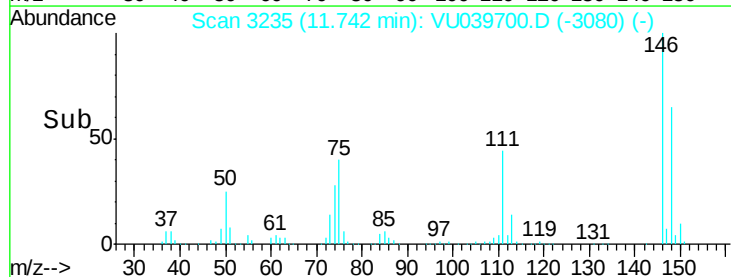
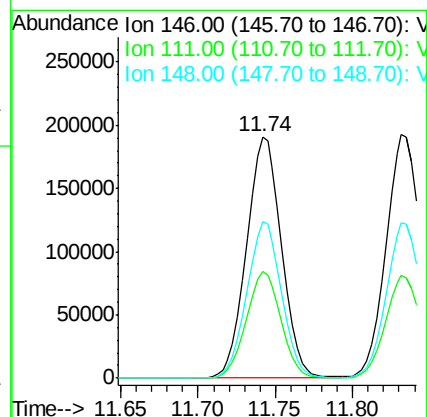
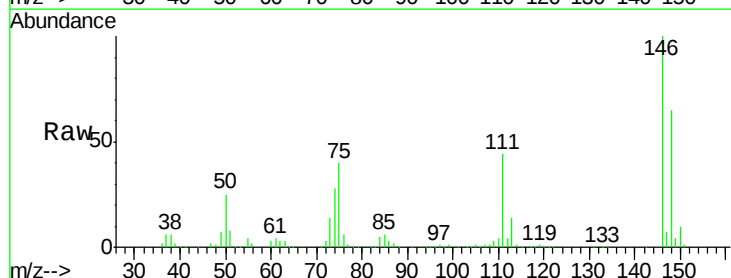
MMDadoda

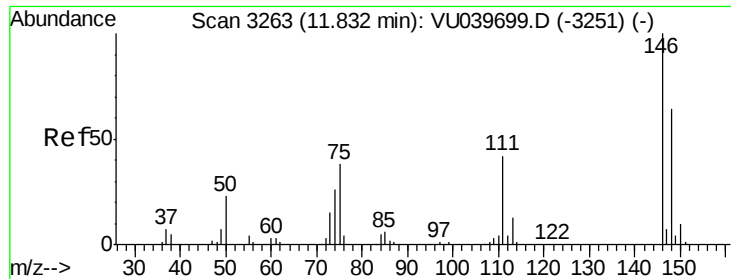
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#82
 1,3-Dichlorobenzene
 Concen: 21.354 ug/l
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU039700.D
 Acq: 29 Jul 2020 13:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.9	34.5	51.7
148	64.2	51.4	77.0



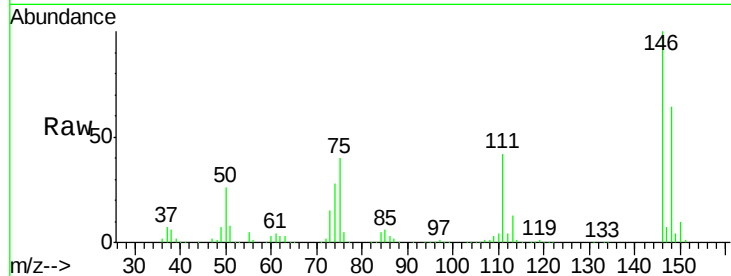


#83
 1,4-Dichlorobenzene
 Concen: 21.394 ug/l
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU039700.D
 Acq: 29 Jul 2020 13:07

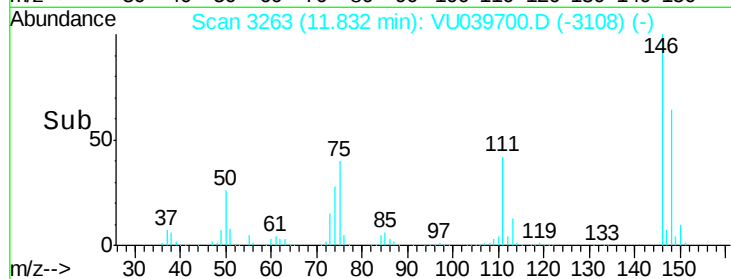
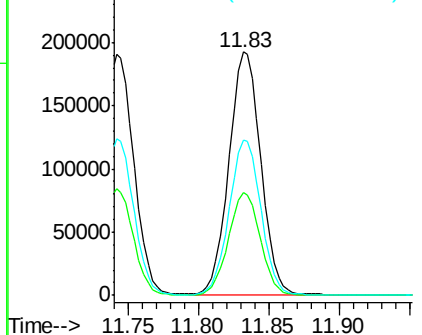
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	33.8	50.6
148	63.9	51.1	76.7

Manual Integrations
 APPROVED

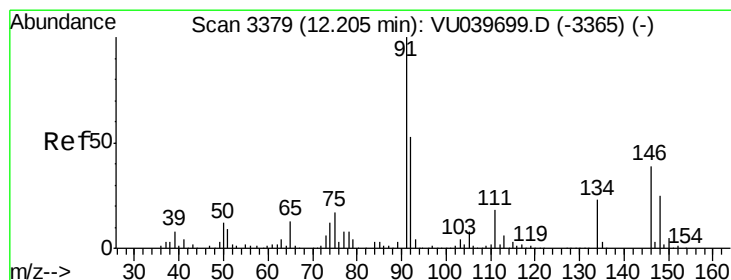


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V



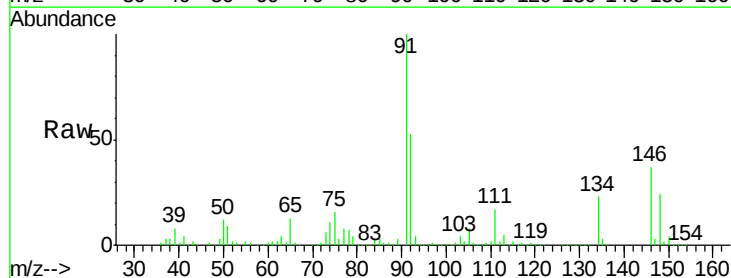
MMDadoda

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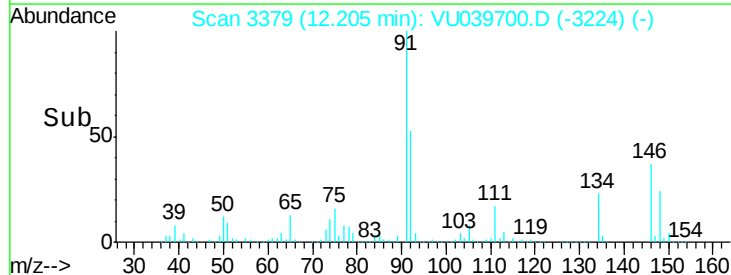
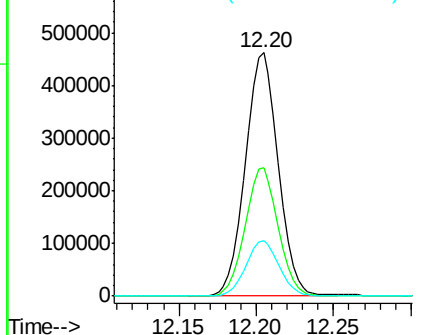


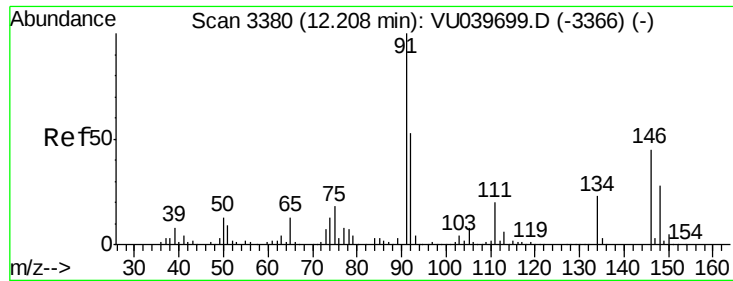
#84
 n-Butylbenzene
 Concen: 24.580 ug/l
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU039700.D
 Acq: 29 Jul 2020 13:07

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.6	42.6	64.0
134	22.9	18.2	27.4



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



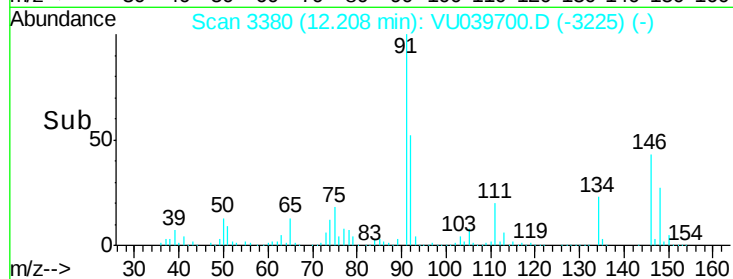
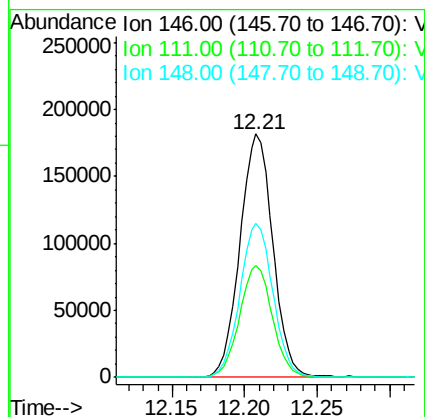
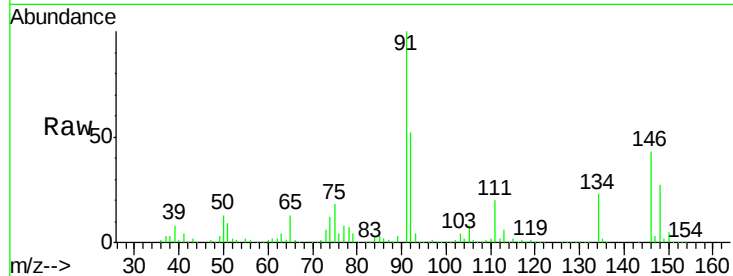


#85
 1,2-Dichlorobenzene
 Concen: 21.814 ug/l
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU039700.D
 Acq: 29 Jul 2020 13:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

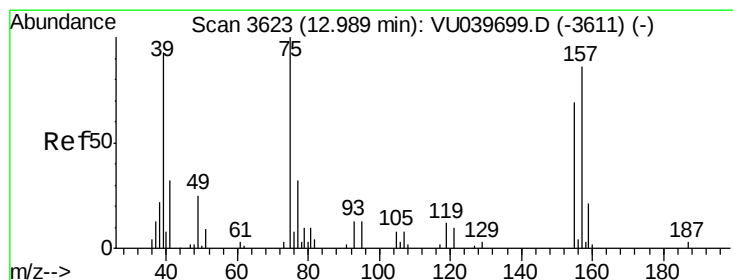
Tot Ion	Ratio	Lower	Upper
146	100		
111	45.8	22.8	68.3
148	63.5	31.7	95.1

Manual Integrations
 APPROVED



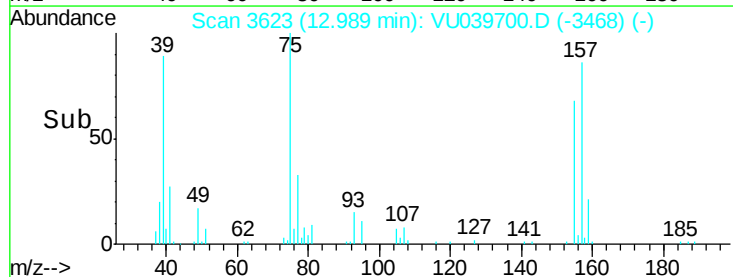
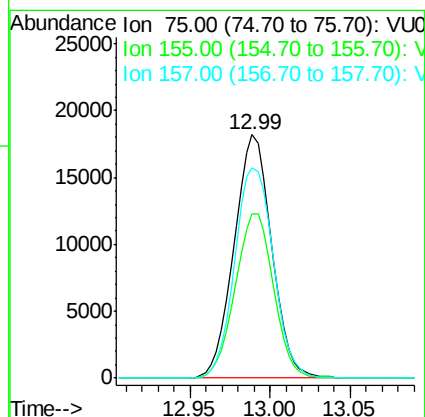
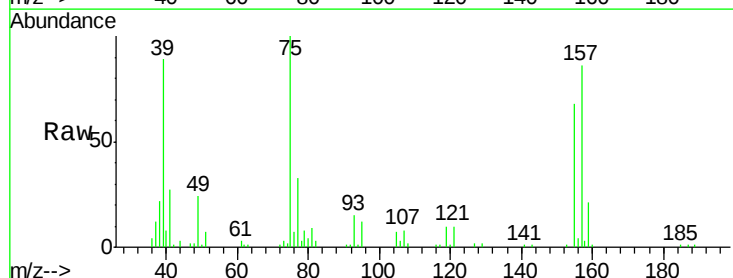
MMDadoda

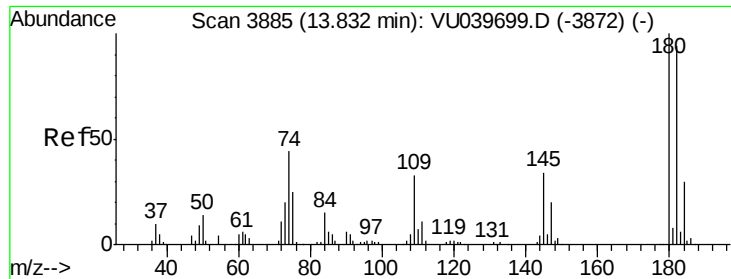
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 29.079 ug/l
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU039700.D
 Acq: 29 Jul 2020 13:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.1	52.9	79.3
157	88.6	67.8	101.6



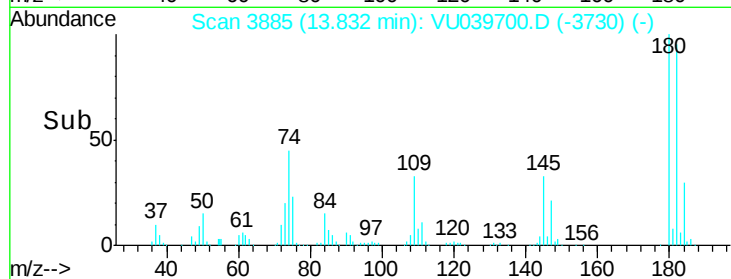
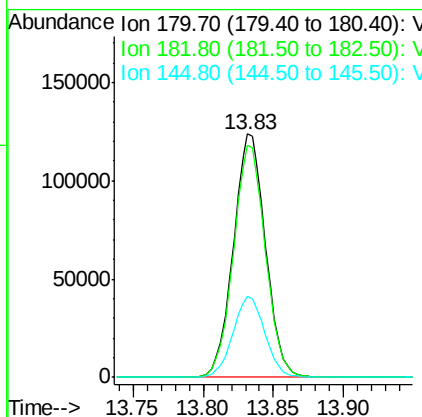
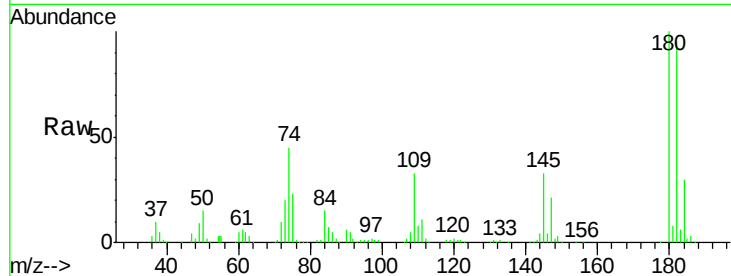


#87
 1,2,4-Trichlorobenzene
 Concen: 20.868 ug/l
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU039700.D
 Acq: 29 Jul 2020 13:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

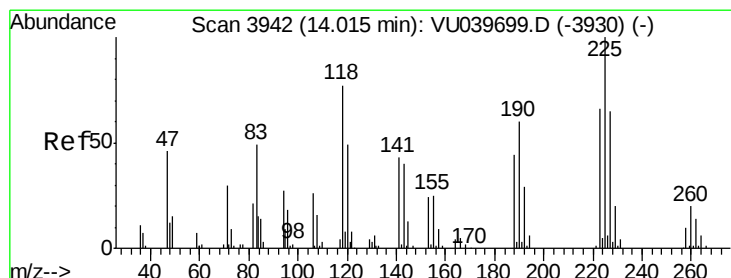
Tot Ion	Ratio	Resp	Lower	Upper
180	100	196838		
182	95.2	76.2	114.4	
145	33.1	26.8	40.2	

Manual Integrations
 APPROVED



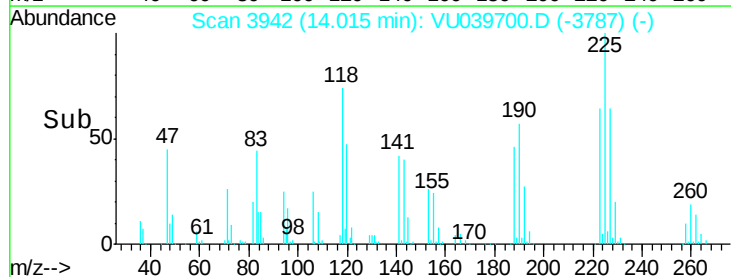
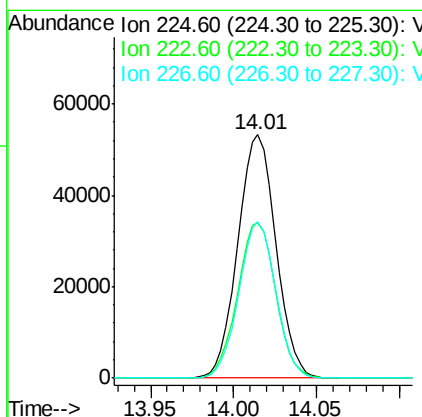
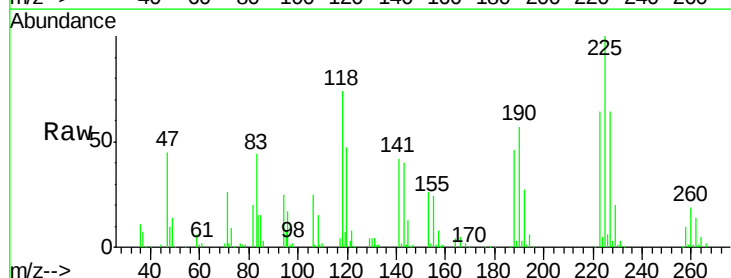
MMDadoda

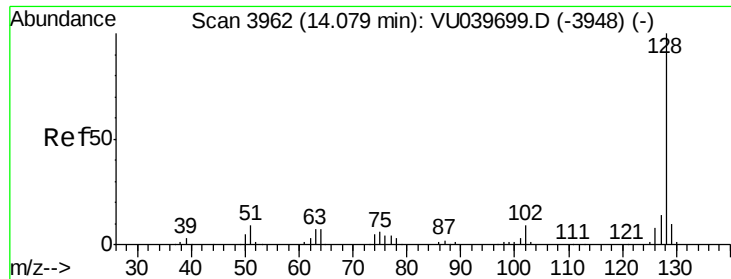
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#88
 Hexachlorobutadiene
 Concen: 20.432 ug/l
 RT: 14.01 min Scan# 3942
 Delta R.T. -0.00 min
 Lab File: VU039700.D
 Acq: 29 Jul 2020 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	85331		
223	63.8	52.4	78.6	
227	62.3	50.7	76.1	



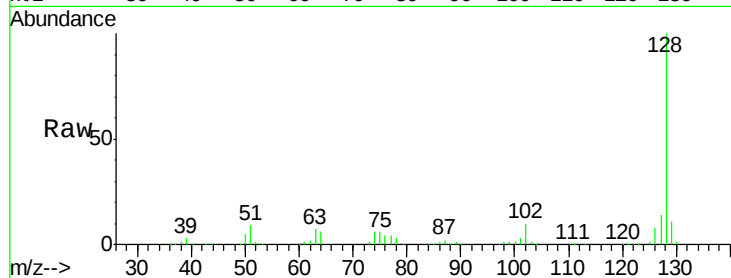


#89
Naphthalene
Concen: 24.249 ug/l
RT: 14.08 min Scan# 3962
Delta R.T. -0.00 min
Lab File: VU039700.D
Acq: 29 Jul 2020 13:07

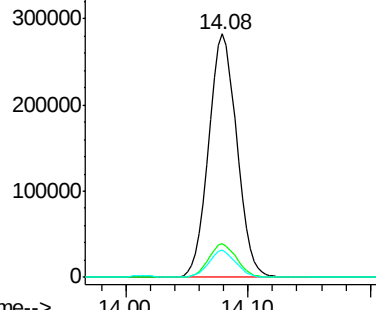
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	11.0	16.4
129	10.7	8.4	12.6

Manual Integrations
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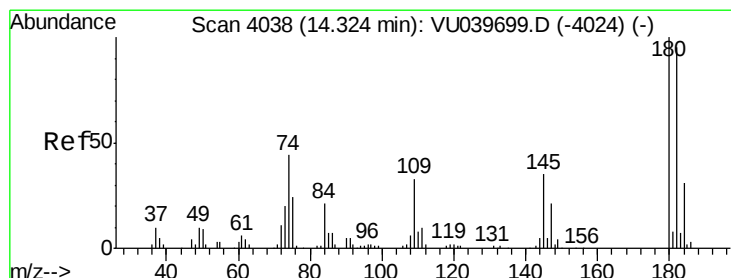
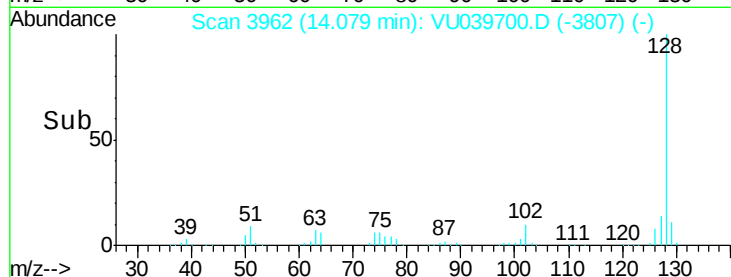


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



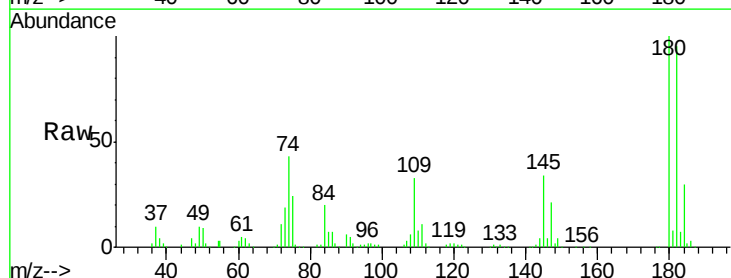
MMDadoda

7/31/2020 3:43:07 PM



#90
1,2,3-Trichlorobenzene
Concen: 21.677 ug/l
RT: 14.32 min Scan# 4038
Delta R.T. -0.00 min
Lab File: VU039700.D
Acq: 29 Jul 2020 13:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.0	114.0
145	34.7	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

