

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090920\
 Data File : VU040068.D
 Acq On : 09 Sep 2020 18:13
 Operator : SY/MD
 Sample : VU0909WBSD01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampled :
 VU0909WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/17/2020 4:47:41 PM

Quant Time: Sep 10 04:33:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U090920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Sep 10 04:09:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	6.13	96	27720	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.63	95	10376	0.92	ug/l	0.00
Spiked Amount 1.000			Recovery	=	92.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	9781	0.95	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.39	85	15380	1.954	ug/l	99
3) Chloromethane	1.53	50	16359	1.965	ug/l	98
4) Vinyl Chloride	1.61	62	16107	1.967	ug/l	98
5) Bromomethane	1.87	94	10970	1.736	ug/l	100
6) Chloroethane	1.94	64	9836	1.822	ug/l	94
7) Trichlorofluoromethane	2.15	101	24411	1.986	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	14144	1.995	ug/l	99
9) 1,1-Dichloroethene	2.59	96	11315	1.887	ug/l	96
10) Iodomethane	2.74	142	9345	1.991	ug/l	96
11) Allyl Chloride	2.93	41	22431	1.894	ug/l	97
12) Acrylonitrile	3.34	53	7837	3.760	ug/l	94
13) Acetone	2.65	43	19426	10.169	ug/l	97
14) Carbon Disulfide	2.81	76	32473	1.950	ug/l	98
15) Methylene Chloride	3.06	84	16041	1.693	ug/l	95
16) trans-1,2-Dichloroethene	3.37	96	13590	2.088	ug/l	99
17) 1,1-Dichloroethane	3.89	63	27541	1.939	ug/l	98
18) 2-Butanone	4.75	43	31326	10.751	ug/l	100
19) Cyclohexane	5.40	56	23201m	1.967	ug/l	
20) Methylcyclohexane	6.77	83	18906	1.729	ug/l	96
21) 2,2-Dichloropropane	4.68	77	25922	1.922	ug/l	99
22) cis-1,2-Dichloroethene	4.69	96	14985	1.977	ug/l	98
23) Diethyl Ether	2.39	59	11315	1.992	ug/l	100
24) tert-Butyl Alcohol	3.24	59	15100	19.752	ug/l #	80
25) Methyl tert-Butyl Ether	3.38	73	37214	1.861	ug/l	93
26) Bromochloromethane	4.99	128	6594	2.002	ug/l	98
27) Chloroform	5.11	83	28606	1.984	ug/l	97
28) 1,1,1-Trichloroethane	5.33	97	24279	1.936	ug/l	98
29) 1,1-Dichloropropene	5.54	75	20878	1.957	ug/l	99
30) Carbon Tetrachloride	5.54	117	22303	1.961	ug/l	92
31) Isopropyl Ether	4.02	45	47737	1.952	ug/l	99
32) Ethyl-t-butyl ether	4.53	59	43797	1.976	ug/l	100
33) Tert-Amyl methyl ether	5.97	73	35144	1.801	ug/l	100
34) Propionitrile	4.81	54	7877	10.678	ug/l #	89
35) Benzene	5.79	78	57381	1.942	ug/l	98
36) 1,2-Dichloroethane	5.82	62	22939	1.996	ug/l	99
37) Trichloroethene	6.55	130	14418	1.919	ug/l	87
38) 1,2-Dichloropropane	6.80	63	16336	1.910	ug/l	99
39) Methacrylonitrile	5.00	41	6788	1.720	ug/l #	93
40) Methyl acrylate	4.87	55	10136	2.003	ug/l	97
41) Tetrahydrofuran	5.09	42	7909	4.171	ug/l	92
42) 1-Chlorobutane	5.47	56	31007	1.967	ug/l	98

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 ClientSampleId :
 VU0909WBSD01

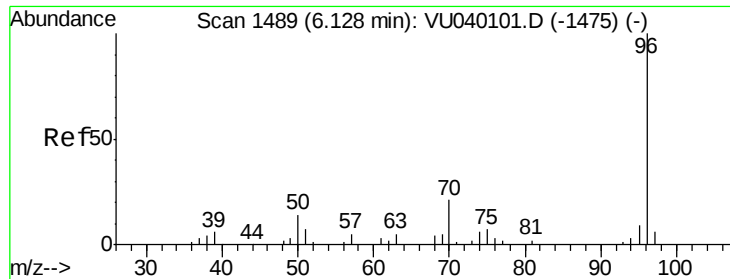
Manual Integrations
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 9/17/2020 4:47:41 PM

Quant Time: Sep 10 04:33:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U090920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Sep 10 04:09:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.93	93	8735	1.767	ug/l	92
44) Bromodichloromethane	7.12	83	22845	1.925	ug/l	94
45) 4-Methyl-2-Pentanone	7.81	43	63022	9.358	ug/l	94
46) t-1,4-Dichloro-2-butene	10.83	75	8631m	3.350	ug/l	
47) Methyl methacrylate	6.98	69	15546	3.669	ug/l	97
48) Ethyl methacrylate	8.34	69	13286	1.725	ug/l	93
49) Toluene	7.97	92	32314	1.810	ug/l	95
50) t-1,3-Dichloropropene	8.22	75	19767	1.847	ug/l	99
51) cis-1,3-Dichloropropene	7.62	75	21699	1.821	ug/l	97
52) 1,1,2-Trichloroethane	8.41	97	12775	2.017	ug/l	97
53) 1,3-Dichloropropane	8.58	76	21586	1.898	ug/l	98
54) 2-Hexanone	8.70	43	43596	8.929	ug/l	97
55) Dibromochloromethane	8.81	129	14084	1.906	ug/l	98
56) 1,2-Dibromoethane	8.93	107	11218	1.897	ug/l	99
58) Tetrachloroethene	8.56	164	13947	1.913	ug/l	98
59) Chlorobenzene	9.45	112	37869	1.912	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.54	131	14122	1.947	ug/l	99
61) Pentachloroethane	11.42	117	10010	2.024	ug/l	91
62) Hexachloroethane	12.47	117	11406	1.815	ug/l	100
63) Ethyl Benzene	9.57	91	60339	1.786	ug/l	100
64) m/p-Xylenes	9.69	106	46579	3.689	ug/l	100
65) o-Xylene	10.10	106	22812	1.872	ug/l	96
66) Styrene	10.11	104	38142	1.782	ug/l	97
67) Bromoform	10.29	173	7552	1.984	ug/l	99
69) Isopropylbenzene	10.48	105	59037	1.760	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.78	83	15733	1.858	ug/l	94
71) 1,2,3-Trichloropropane	10.83	75	14893m	2.265	ug/l	
72) Bromobenzene	10.78	156	14710	1.880	ug/l	100
73) n-propylbenzene	10.91	120	16351	1.773	ug/l	91
74) 2-Chlorotoluene	10.98	126	14853	1.843	ug/l	96
75) 1,3,5-Trimethylbenzene	11.09	105	52098	1.773	ug/l	99
76) 4-Chlorotoluene	11.10	126	16854	1.940	ug/l	92
77) tert-Butylbenzene	11.42	119	48452	1.773	ug/l	99
78) 1,2,4-Trimethylbenzene	11.46	105	55473	1.800	ug/l	100
79) sec-Butylbenzene	11.64	105	71571	1.808	ug/l	99
80) Nitrobenzene	13.20	77	2944	8.669	ug/l #	88
81) p-Isopropyltoluene	11.79	119	57349	1.820	ug/l	99
82) 1,3-Dichlorobenzene	11.74	146	32085	1.862	ug/l	99
83) 1,4-Dichlorobenzene	11.83	146	33259	1.942	ug/l	98
84) n-Butylbenzene	12.20	91	57977	1.790	ug/l	99
85) 1,2-Dichlorobenzene	12.21	146	31389	1.894	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	12.99	75	2792	1.772	ug/l	93
87) 1,2,4-Trichlorobenzene	13.83	180	18935	1.980	ug/l	99
88) Hexachlorobutadiene	14.01	225	9767	1.974	ug/l	95
89) Naphthalene	14.08	128	30768	1.798	ug/l	98
90) 1,2,3-Trichlorobenzene	14.32	180	16305	1.830	ug/l	97

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.13 min Scan# 1489

Delta R.T. -0.00 min

Lab File: VU040068.D

Acq: 09 Sep 2020 18:13

Instrument :

MSVOA_U

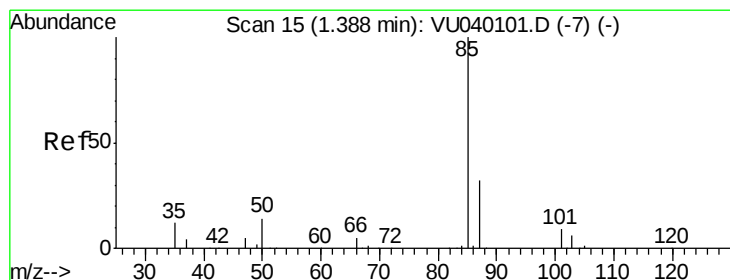
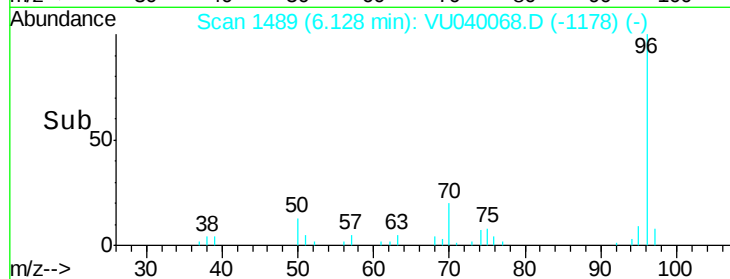
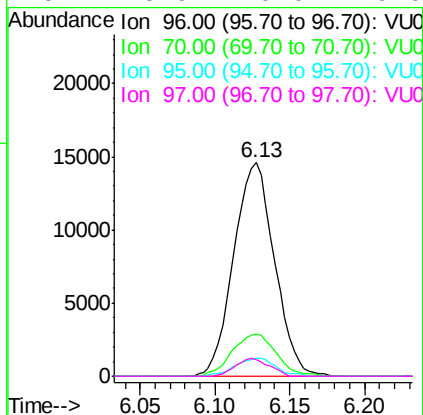
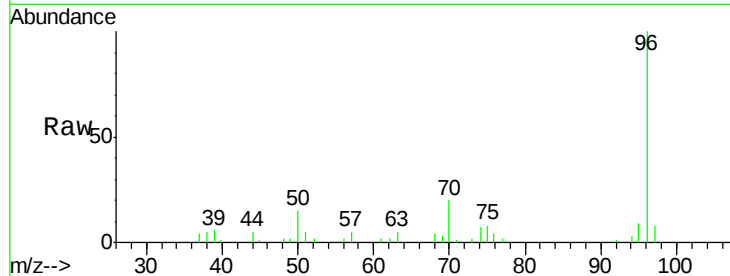
ClientSampleId :

VU0909WBSD01

Tot Ion	96	Resp	27720
Ion	Ratio	Lower	Upper
96	100		
70	21.2	17.1	25.7
95	8.5	7.6	11.4
97	6.9	0.0	0.0#

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 1.954 ug/l

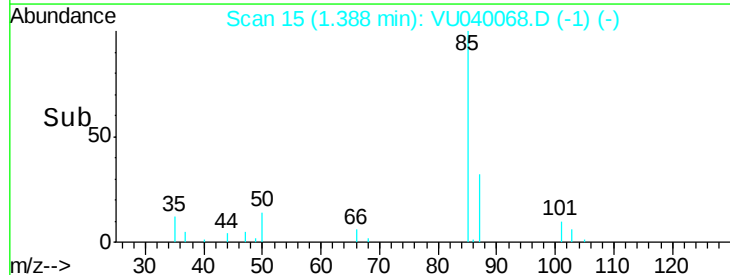
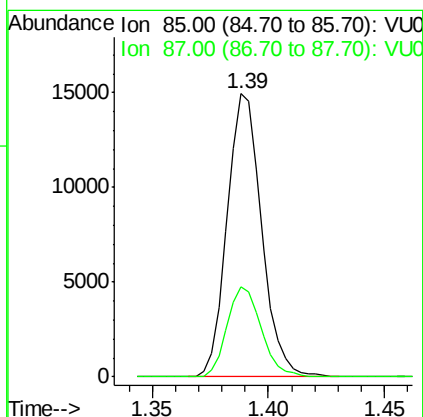
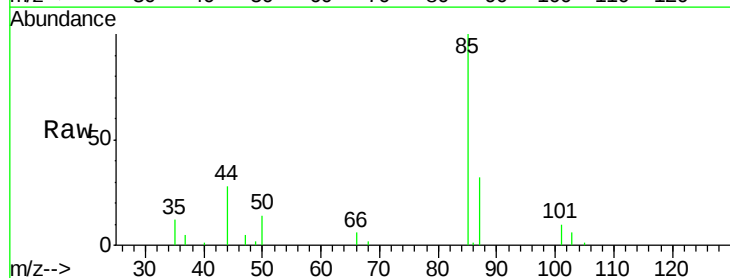
RT: 1.39 min Scan# 15

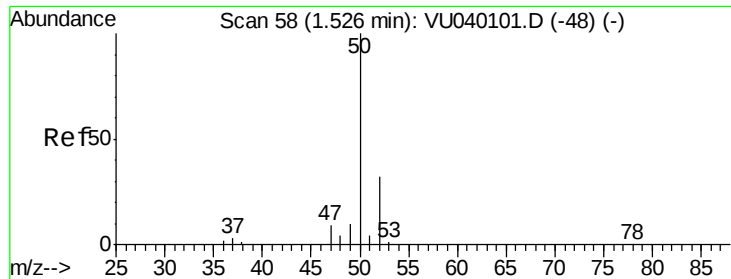
Delta R.T. -0.00 min

Lab File: VU040068.D

Acq: 09 Sep 2020 18:13

Tgt Ion	85	Resp	15380
Ion	Ratio	Lower	Upper
85	100		
87	32.0	15.6	46.8





#3

Chloromethane

Concen: 1.965 ug/l

RT: 1.53 min Scan# 59

Delta R.T. 0.00 min

Lab File: VU040068.D

Acq: 09 Sep 2020 18:13

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBSD01

Tot Ion: 50 Resp: 16359

Ion Ratio Lower Upper

50 100

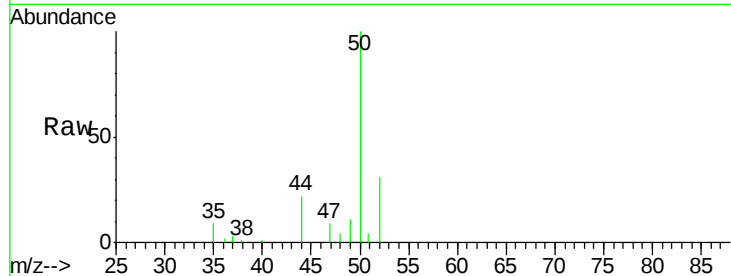
52 31.1 25.9 38.9

Manual Integrations

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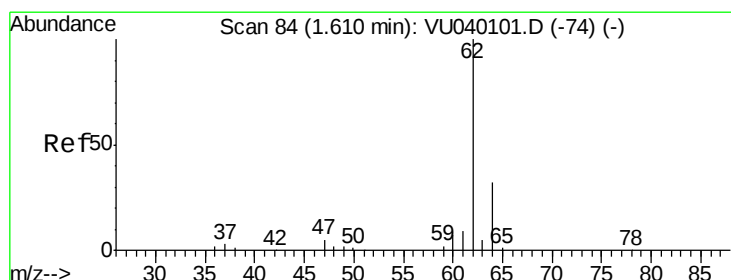
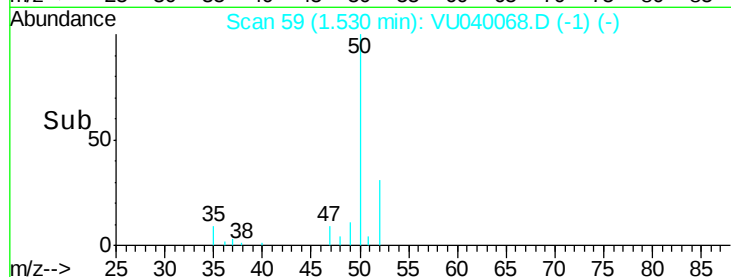
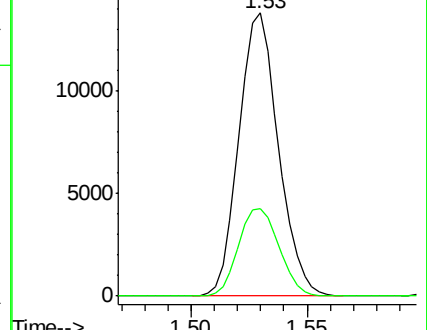
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Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#4

Vinyl Chloride

Concen: 1.967 ug/l

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040068.D

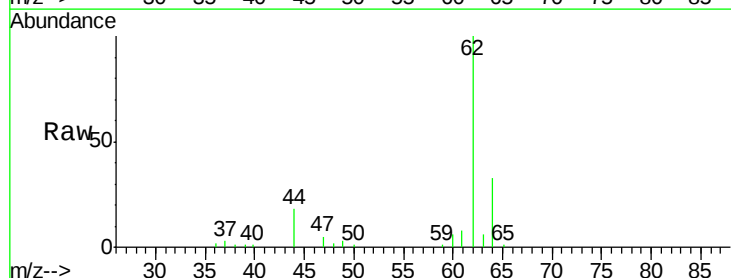
Acq: 09 Sep 2020 18:13

Tgt Ion: 62 Resp: 16107

Ion Ratio Lower Upper

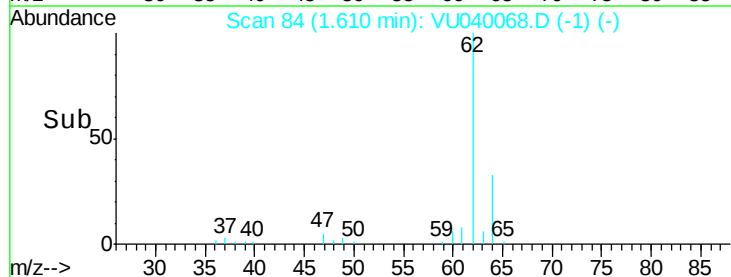
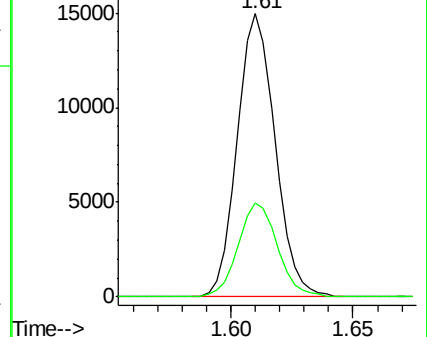
62 100

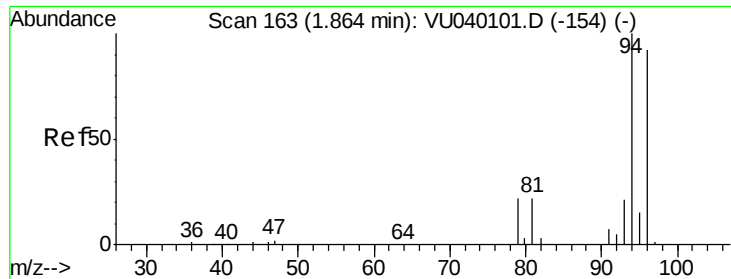
64 33.0 25.4 38.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5

Bromomethane

Concen: 1.736 ug/l

RT: 1.87 min Scan# 164

Delta R.T. 0.01 min

Lab File: VU040068.D

Acq: 09 Sep 2020 18:13

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBSD01

Tot Ion: 94 Resp: 10970

Ion Ratio Lower Upper

94 100

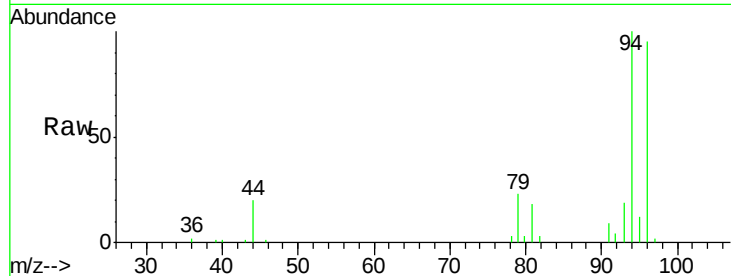
96 94.6 75.4 113.2

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

10000

8000

6000

4000

2000

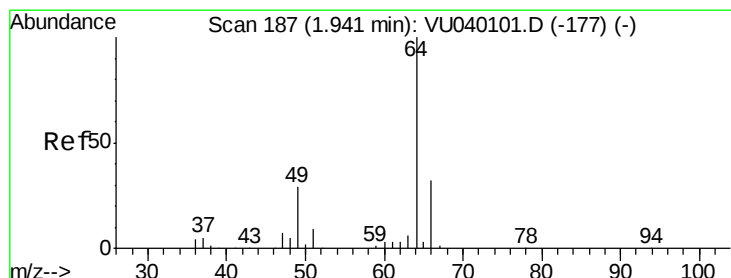
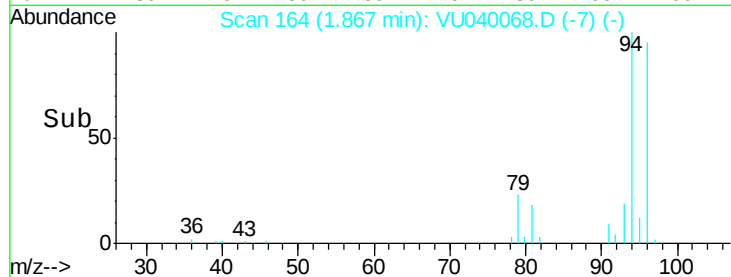
0

1.87

1.85

1.90

Time-->



#6

Chloroethane

Concen: 1.822 ug/l

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040068.D

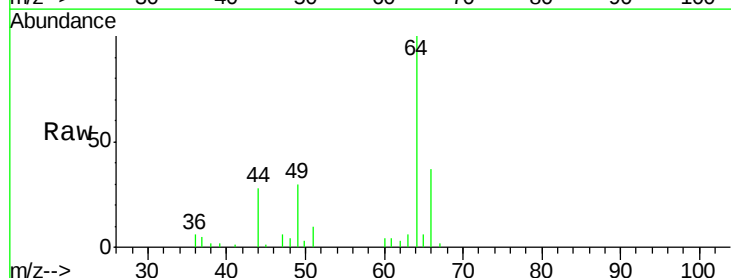
Acq: 09 Sep 2020 18:13

Tgt Ion: 64 Resp: 9836

Ion Ratio Lower Upper

64 100

66 36.6 26.7 40.1



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0

8000

6000

4000

2000

0

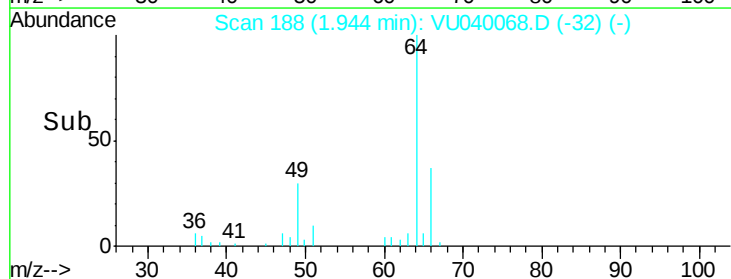
1.94

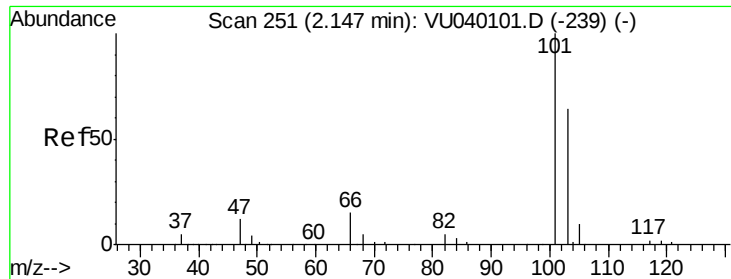
1.90

1.95

2.00

Time-->





#7

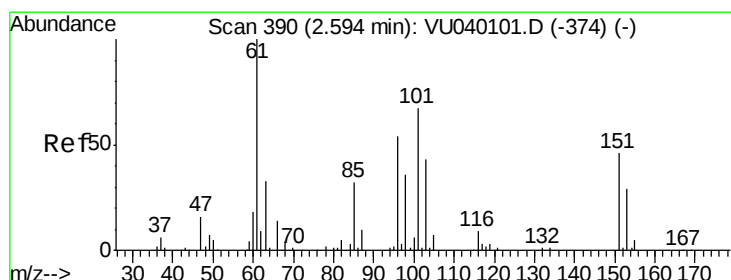
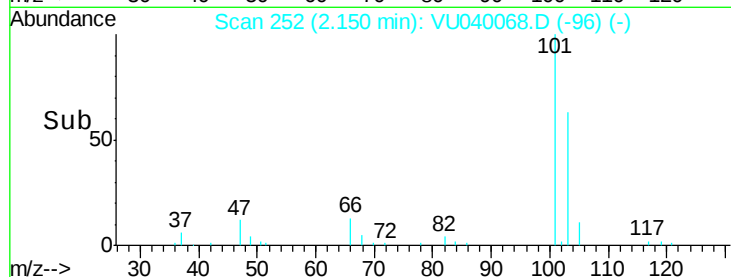
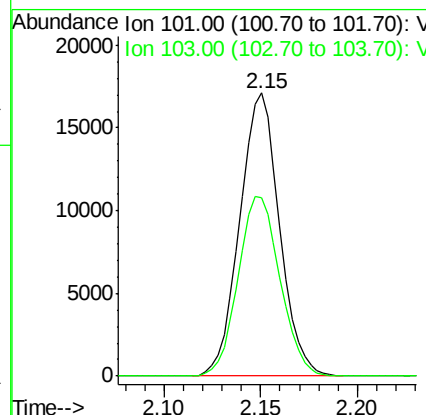
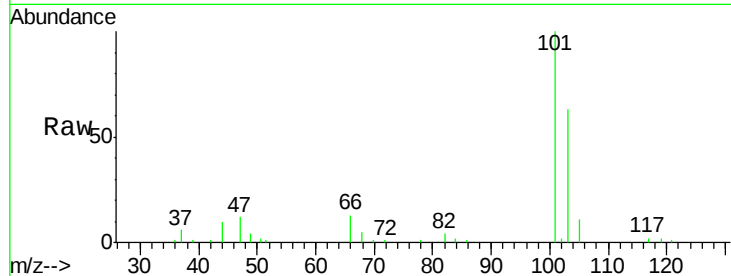
Trichlorofluoromethane
Concen: 1.986 ug/l
RT: 2.15 min Scan# 252
Delta R.T. 0.00 min
Lab File: VU040068.D
Acq: 09 Sep 2020 18:13

Instrument :
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ClientSampleId :
VU0909WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	50.8	76.2

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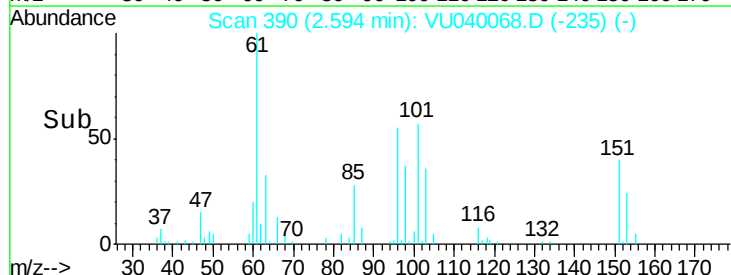
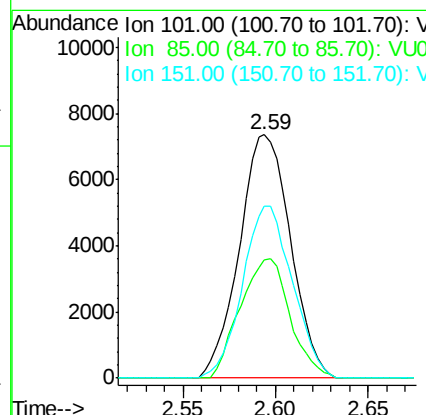
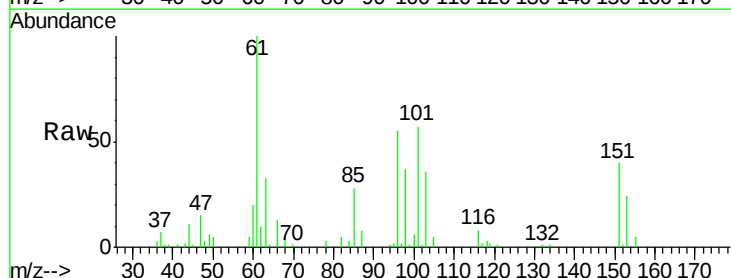
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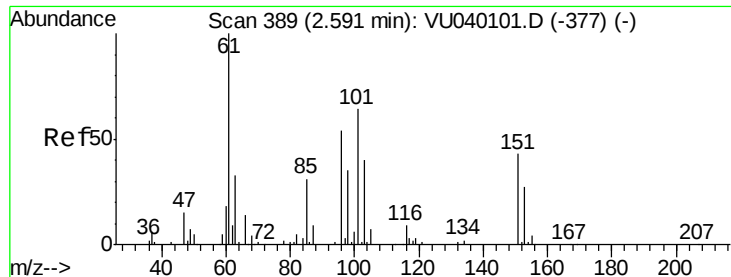


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.995 ug/l
RT: 2.59 min Scan# 390
Delta R.T. -0.00 min
Lab File: VU040068.D
Acq: 09 Sep 2020 18:13

Tgt Ion	Ratio	Lower	Upper
101	100		
85	47.7	38.5	57.7
151	68.8	54.6	81.8





#9

1,1-Dichloroethene

Concen: 1.887 ug/l

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040068.D

Acq: 09 Sep 2020 18:13

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBSD01

Tot Ion: 96 Resp: 11315

Ion Ratio Lower Upper

96 100

61 181.7 0.0 557.1

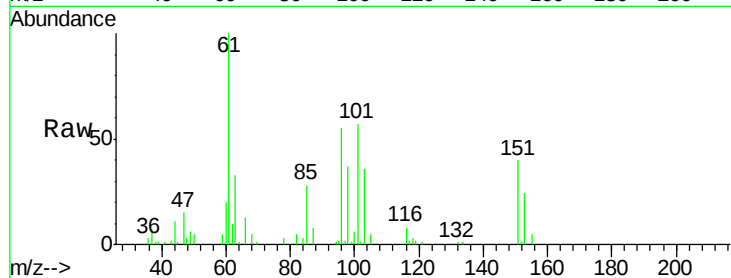
98 67.4 0.0 125.6

Manual Integrations

APPROVED

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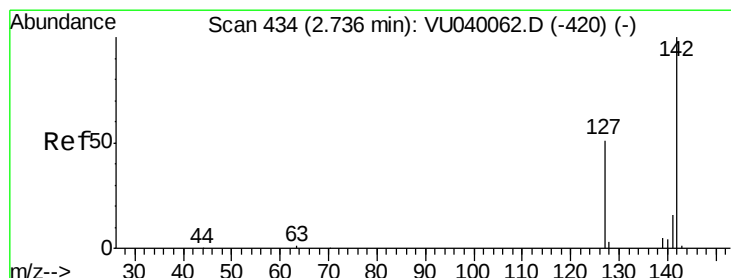
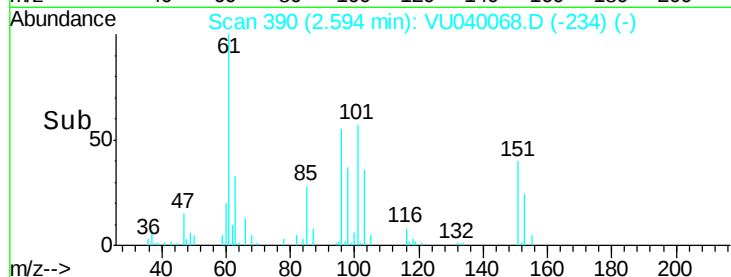
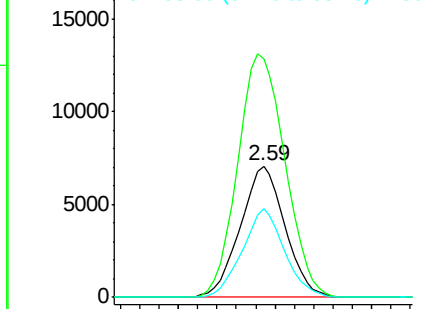
9/17/2020 4:47:41 PM



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

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

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



#10

Iodomethane

Concen: 1.991 ug/l

RT: 2.74 min Scan# 435

Delta R.T. 0.00 min

Lab File: VU040068.D

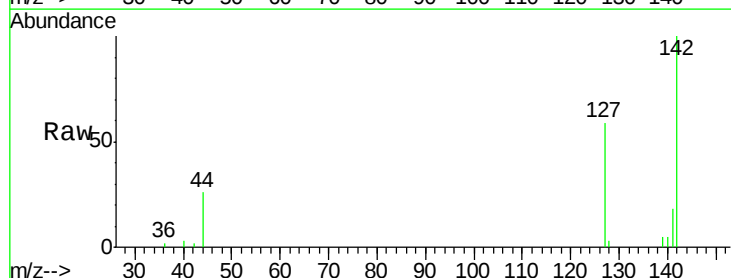
Acq: 09 Sep 2020 18:13

Tgt Ion: 142 Resp: 9345

Ion Ratio Lower Upper

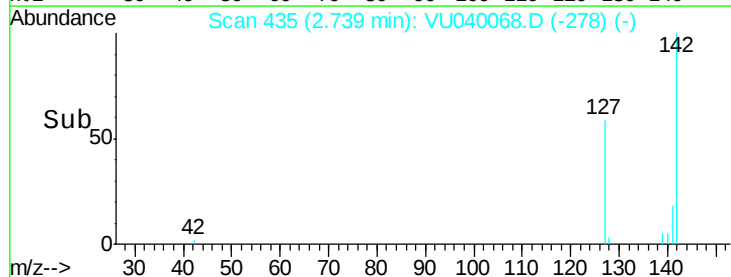
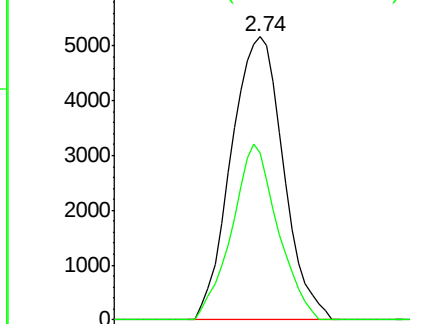
142 100

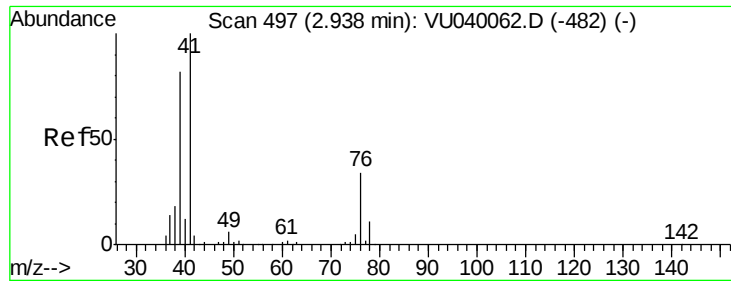
127 54.5 41.4 62.0



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

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





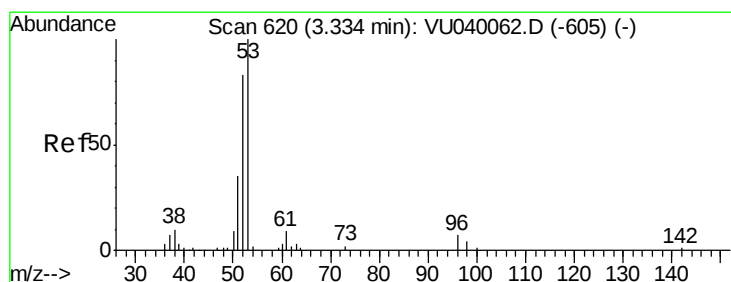
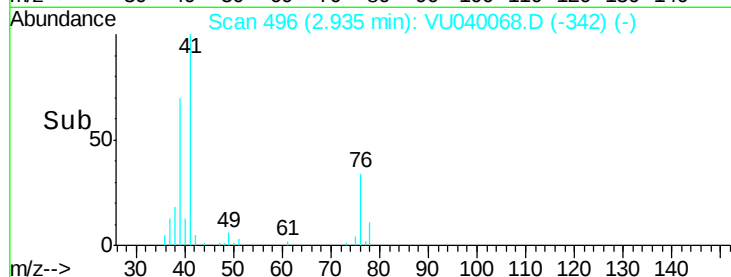
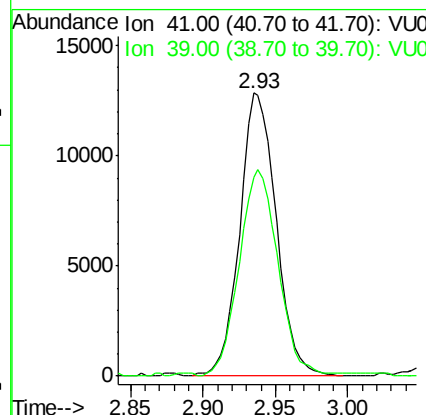
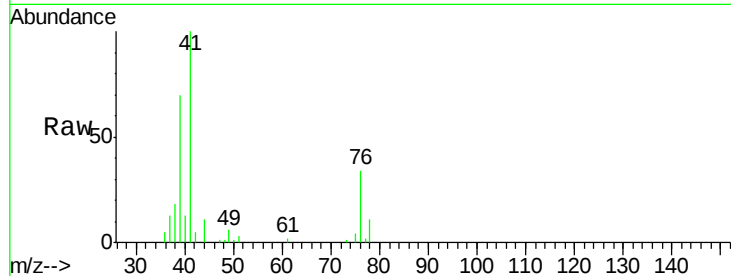
#11
Allvl Chloride
Concen: 1.894 ug/l
RT: 2.93 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU040068.D
Acq: 09 Sep 2020 18:13

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBSD01

Tot Ion: 41 Resp: 22431
Ion Ratio Lower Upper
41 100
39 77.7 64.6 96.8

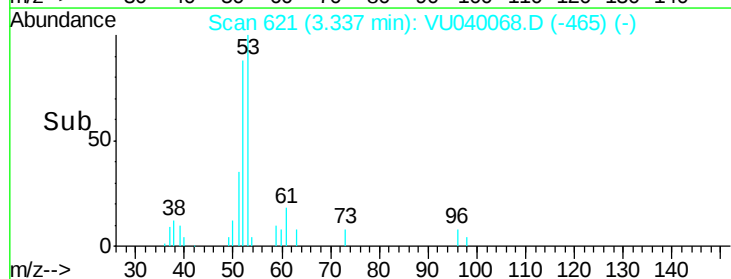
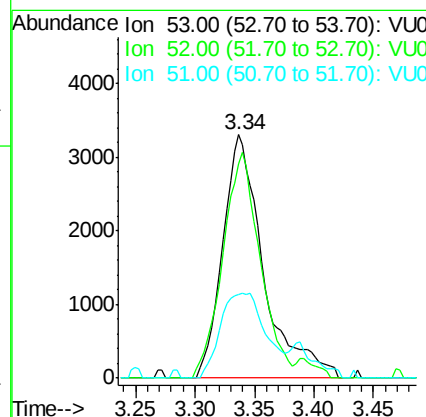
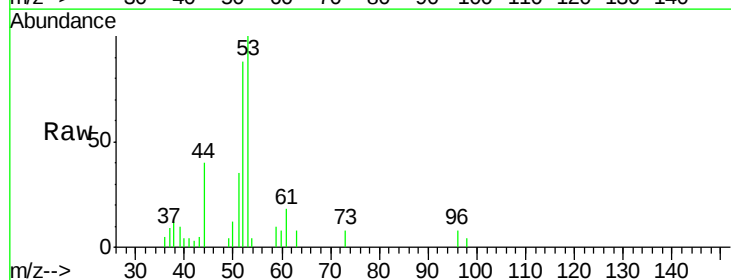
Manual Integrations
APPROVED

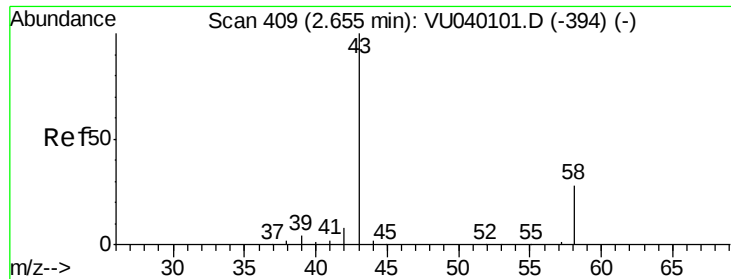
MMDadoda
9/17/2020 4:47:41 PM



#12
Acrylonitrile
Concen: 3.760 ug/l
RT: 3.34 min Scan# 621
Delta R.T. 0.00 min
Lab File: VU040068.D
Acq: 09 Sep 2020 18:13

Tgt Ion: 53 Resp: 7837
Ion Ratio Lower Upper
53 100
52 85.0 64.0 96.0
51 38.7 28.2 42.2





#13

Acetone

Concen: 10.169 ug/l

RT: 2.65 min Scan# 408

Delta R.T. 0.02 min

Lab File: VU040068.D

Acq: 09 Sep 2020 18:13

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBSD01

Tot Ion: 43 Resp: 19426

Ion Ratio Lower Upper

43 100

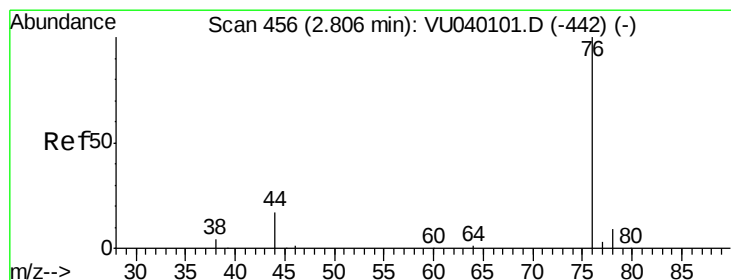
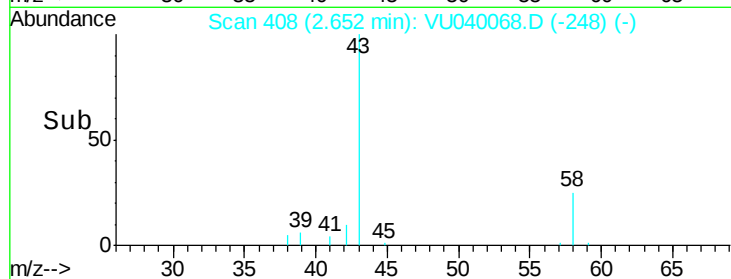
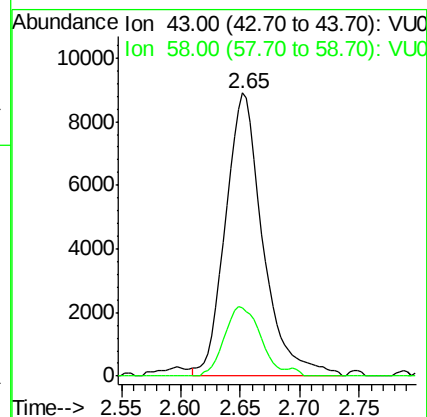
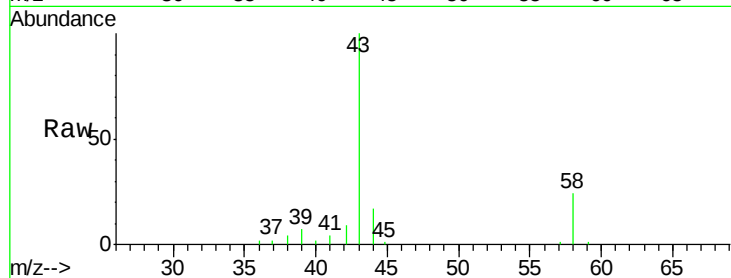
58 24.1 20.6 31.0

Manual Integrations

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#14

Carbon Disulfide

Concen: 1.950 ug/l

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040068.D

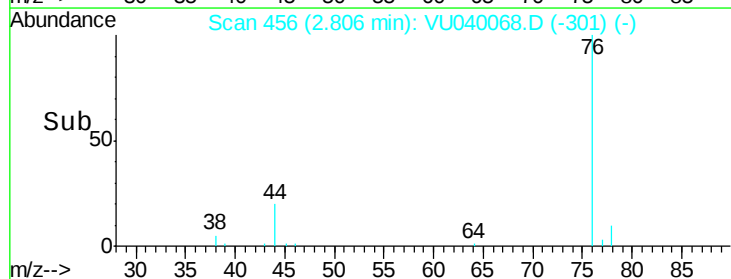
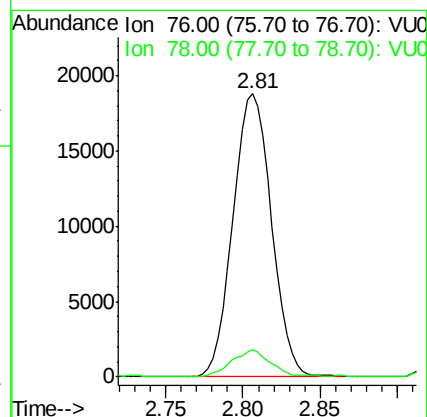
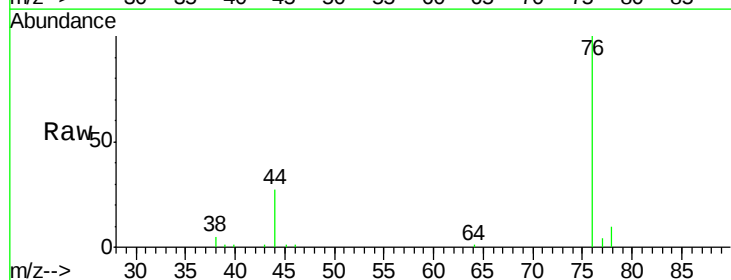
Acq: 09 Sep 2020 18:13

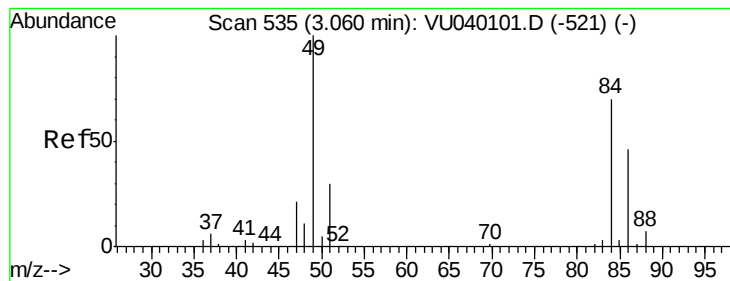
Tgt Ion: 76 Resp: 32473

Ion Ratio Lower Upper

76 100

78 9.6 7.2 10.8





#15

Methvlene Chloride

Concen: 1.693 ug/l

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU040068.D

Acq: 09 Sep 2020 18:13

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBSD01

Tot Ion: 84 Resp: 16041

Ion Ratio Lower Upper

84 100

49 135.2 114.3 171.5

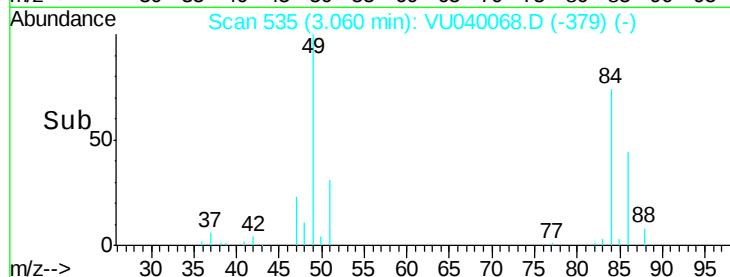
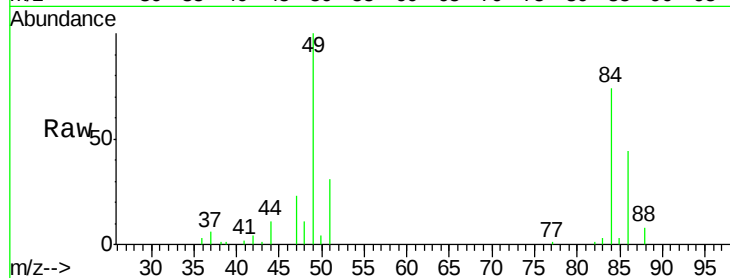
51 42.5 0.0 84.6

86 58.9 50.6 76.0

Manual Integrations
APPROVED

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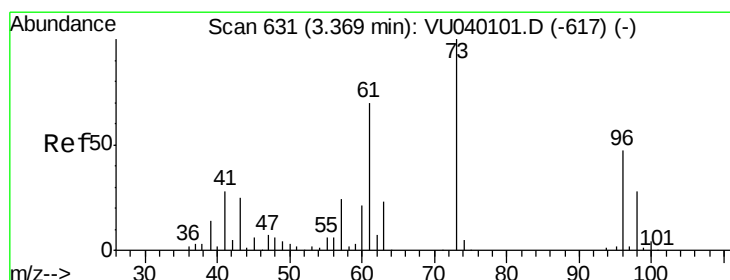
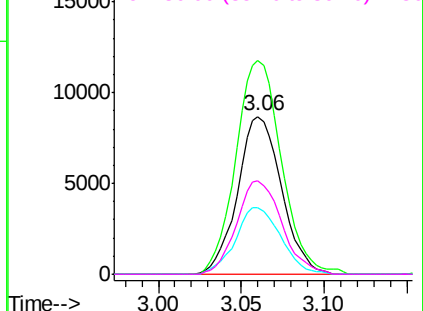


Abundance Ion 84.00 (83.70 to 84.70): VU0

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



#16

trans-1,2-Dichloroethene

Concen: 2.088 ug/l

RT: 3.37 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU040068.D

Acq: 09 Sep 2020 18:13

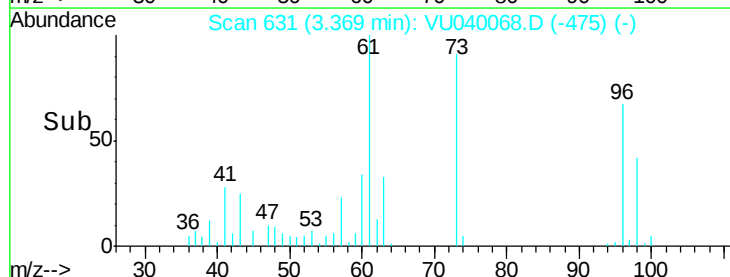
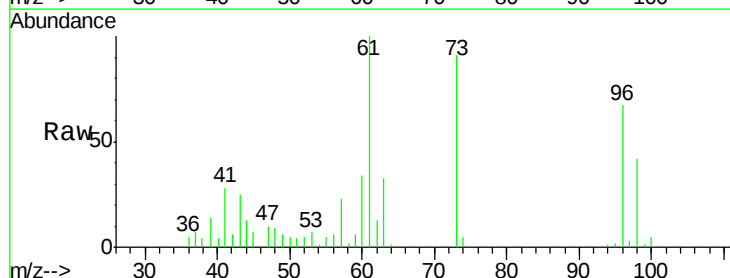
Tgt Ion: 96 Resp: 13590

Ion Ratio Lower Upper

96 100

61 150.3 121.4 182.0

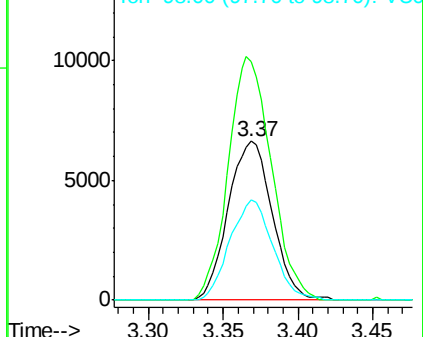
98 63.3 51.9 77.9

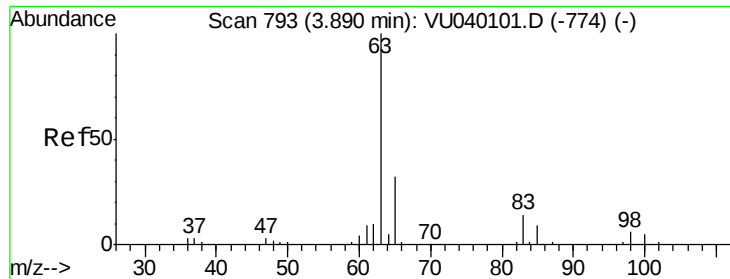


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





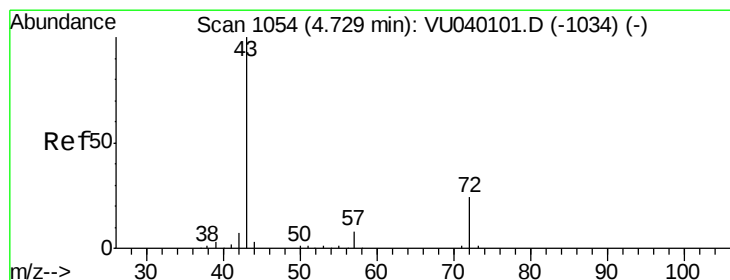
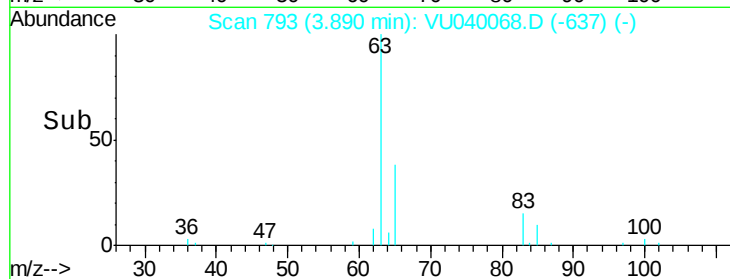
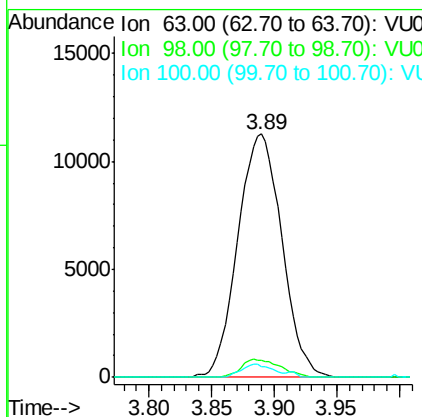
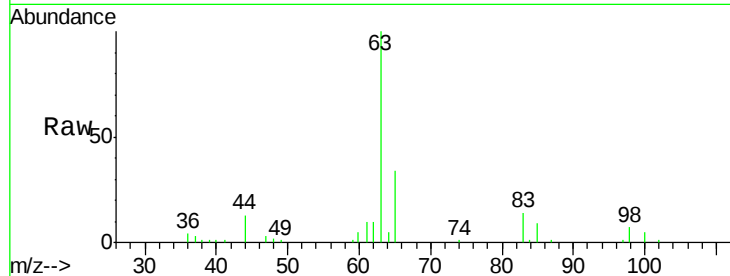
#17
 1,1-Dichloroethane
 Concen: 1.939 ug/l
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU040068.D
 Acq: 09 Sep 2020 18:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0909WBSD01

Tot Ion:	63	Resp:	27541
Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.1	9.4
100	4.6	2.0	5.8

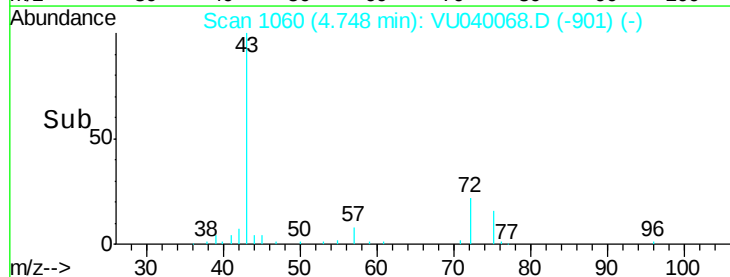
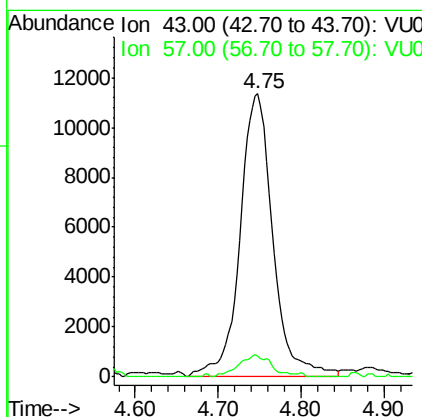
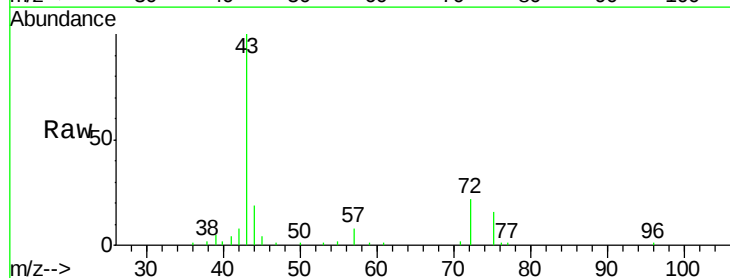
Manual Integrations
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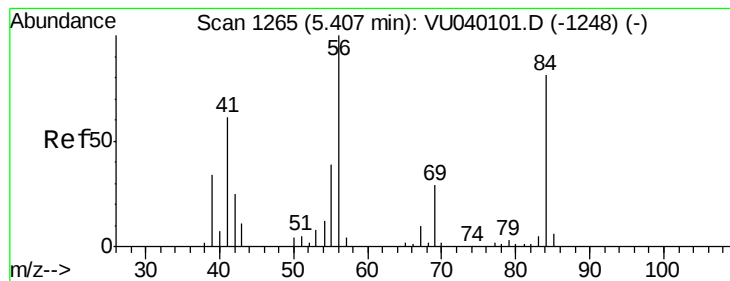
MMDadoda
 9/17/2020 4:47:41 PM



#18
 2-Butanone
 Concen: 10.751 ug/l
 RT: 4.75 min Scan# 1060
 Delta R.T. 0.01 min
 Lab File: VU040068.D
 Acq: 09 Sep 2020 18:13

Tgt Ion:	43	Resp:	31326
Ion	Ratio	Lower	Upper
43	100		
57	7.6	0.0	15.2





#19

Cyclohexane

Concen: 1.967 ug/l m

RT: 5.40 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VU040068.D

Acq: 09 Sep 2020 18:13

Instrument :

MSVOA_U

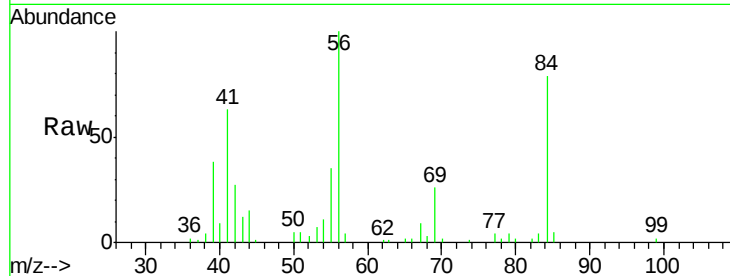
ClientSampleId :

VU0909WBSD01

Tot Ion:	56	Resp:	23201
Ion	Ratio	Lower	Upper
56	100		
69	29.2	23.5	35.3
84	81.4	63.8	95.6

Manual Integrations
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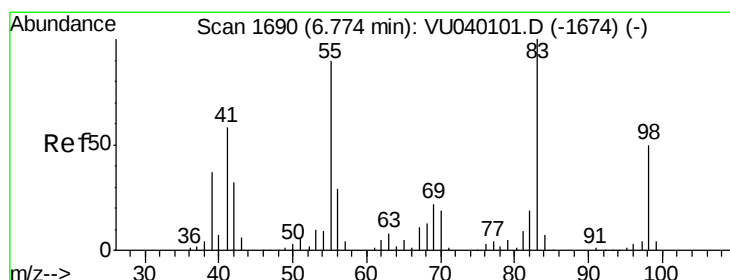
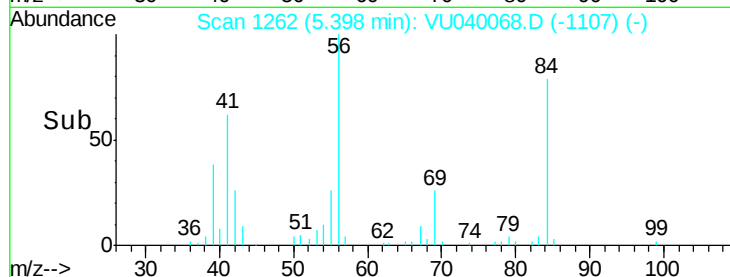
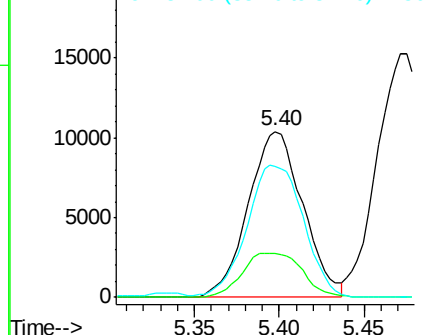


Abundance

Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#20

Methylcyclohexane

Concen: 1.729 ug/l

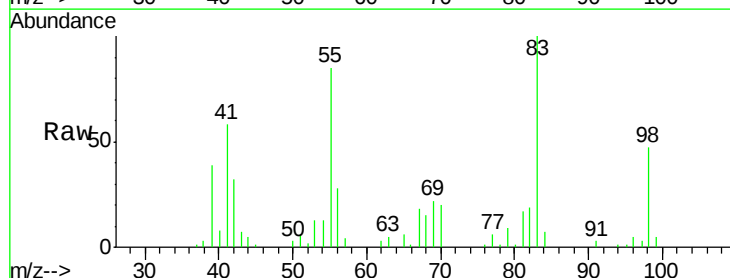
RT: 6.77 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VU040068.D

Acq: 09 Sep 2020 18:13

Tgt Ion:	83	Resp:	18906
Ion	Ratio	Lower	Upper
83	100		
55	91.2	69.4	104.2
98	48.3	37.5	56.3

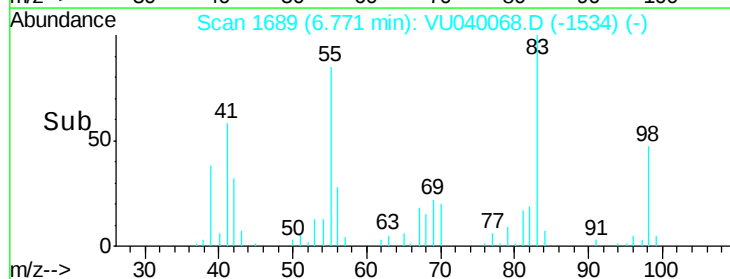
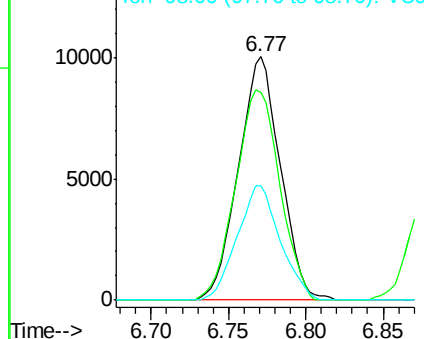


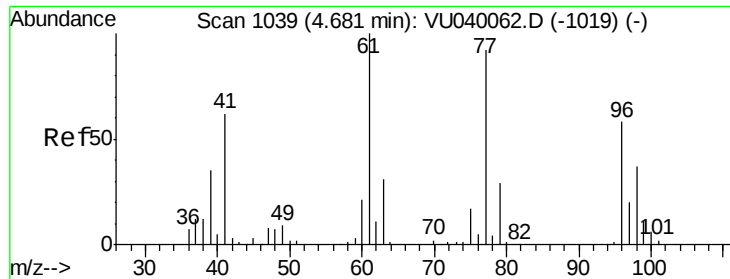
Abundance

Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





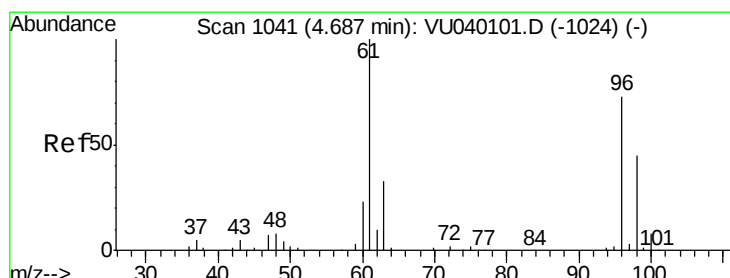
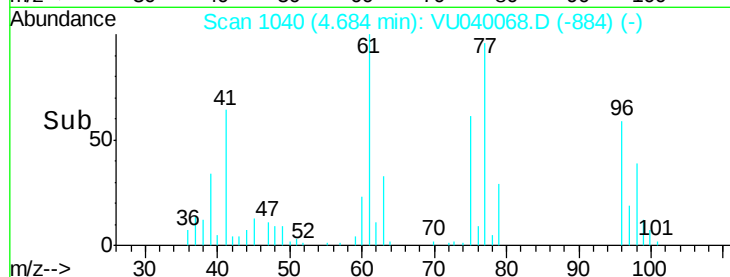
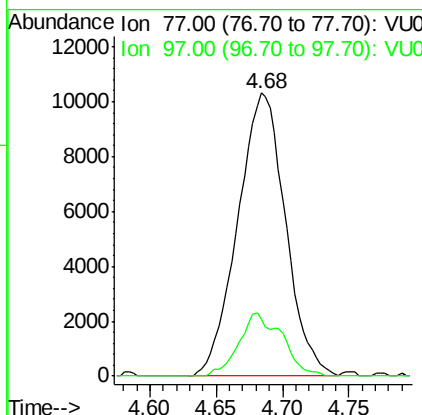
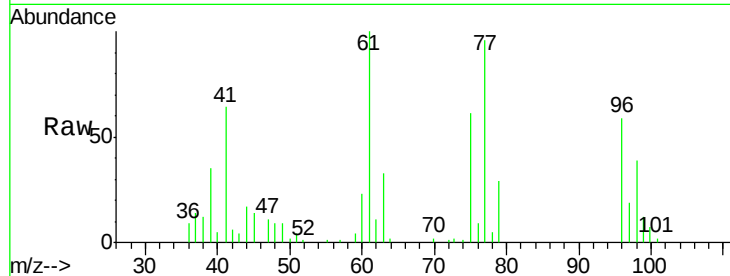
#21
 2,2-Dichloropropane
 Concen: 1.922 ug/l
 RT: 4.68 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: VU040068.D
 Acq: 09 Sep 2020 18:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0909WBSD01

Tot Ion: 77 Resp: 25922
 Ion Ratio Lower Upper
 77 100
 97 20.2 16.4 24.6

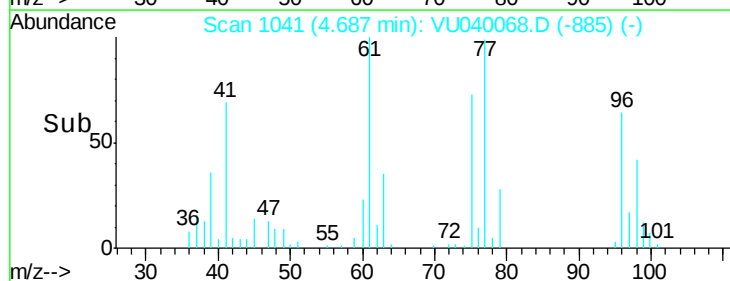
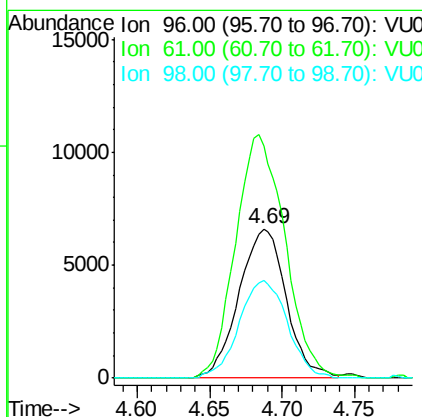
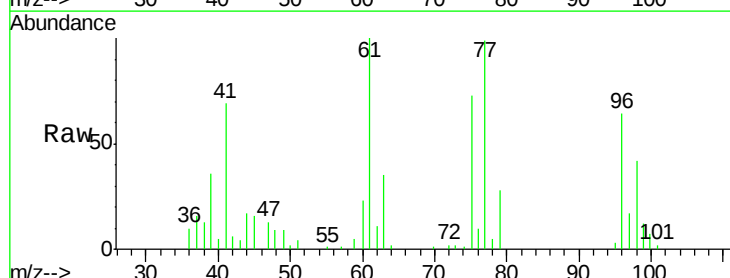
Manual Integrations
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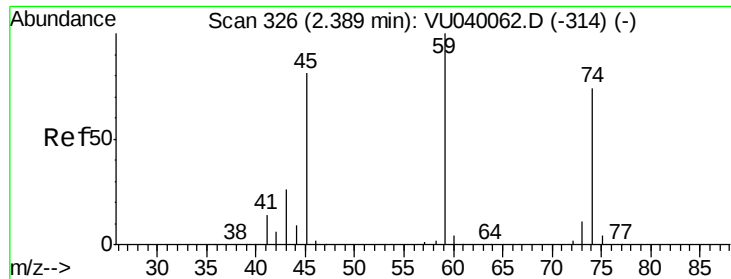
MMDadoda
 9/17/2020 4:47:41 PM



#22
 cis-1,2-Dichloroethene
 Concen: 1.977 ug/l
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU040068.D
 Acq: 09 Sep 2020 18:13

Tgt Ion: 96 Resp: 14985
 Ion Ratio Lower Upper
 96 100
 61 169.7 0.0 420.0
 98 66.8 31.8 95.3





#23

Diethyl Ether

Concen: 1.992 ug/l

RT: 2.39 min Scan# 326

Delta R.T. -0.00 min

Lab File: VU040068.D

Acq: 09 Sep 2020 18:13

Instrument :

MSVOA_U

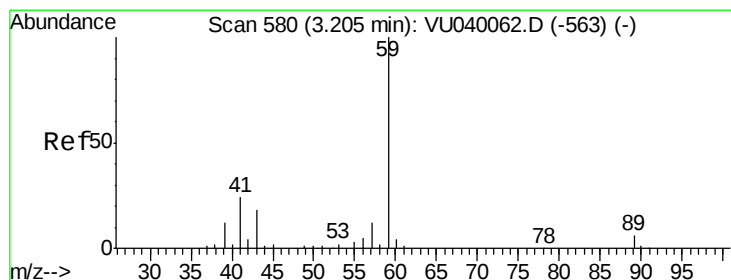
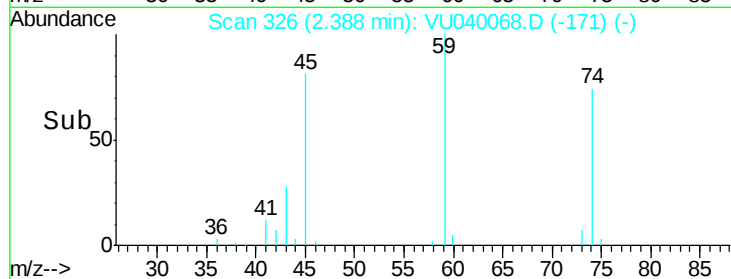
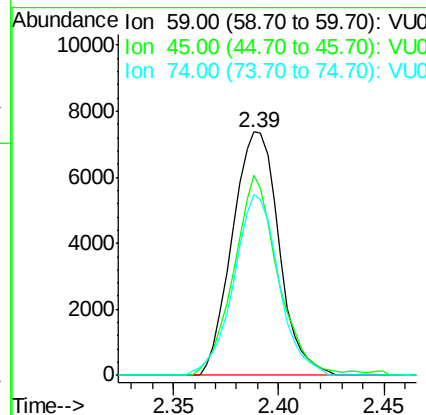
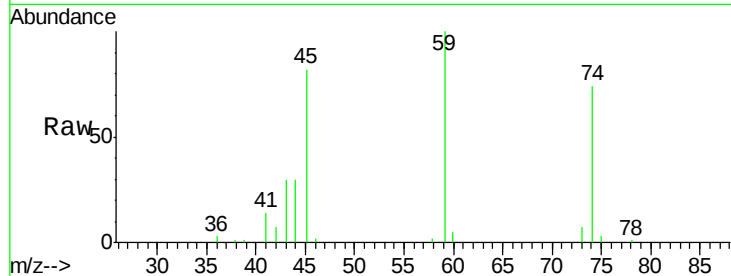
ClientSampleId :

VU0909WBSD01

Tot Ion:	59	Resp:	11315
Ion	Ratio	Lower	Upper
59	100		
45	77.6	62.4	93.6
74	71.7	57.7	86.5

Manual Integrations
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MMDadoda
9/17/2020 4:47:41 PM



#24

tert-Butyl Alcohol

Concen: 19.752 ug/l

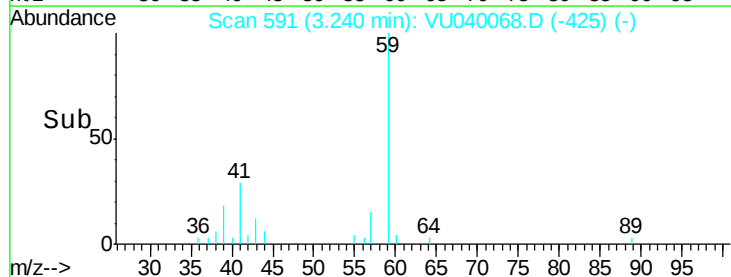
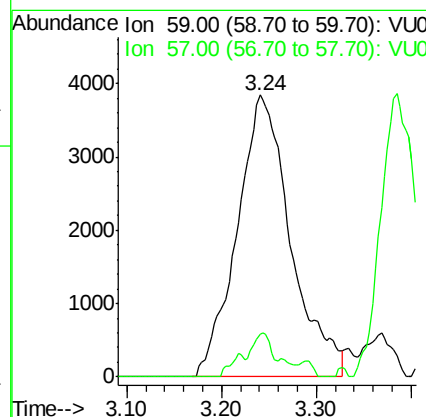
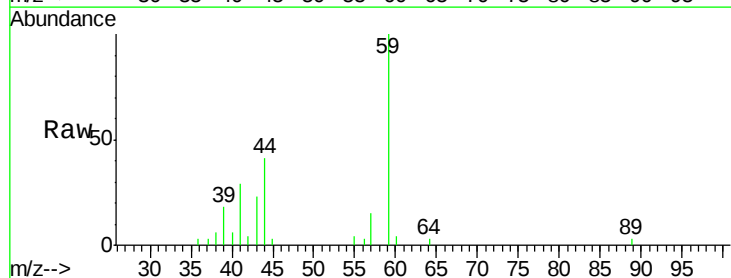
RT: 3.24 min Scan# 591

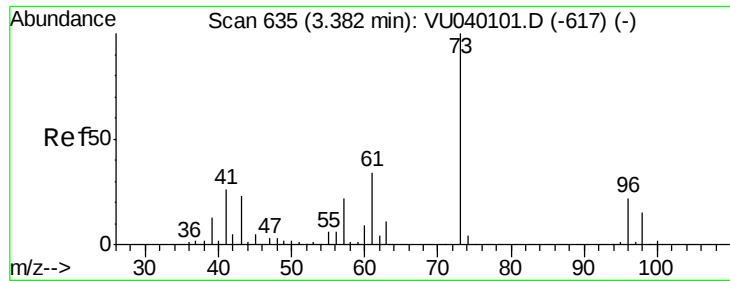
Delta R.T. 0.03 min

Lab File: VU040068.D

Acq: 09 Sep 2020 18:13

Tgt Ion:	59	Resp:	15100
Ion	Ratio	Lower	Upper
59	100		
57	3.6	9.0	13.6#





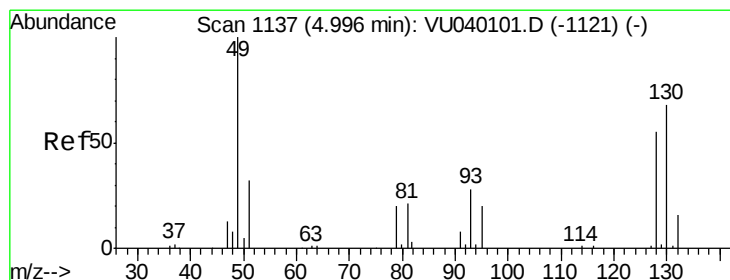
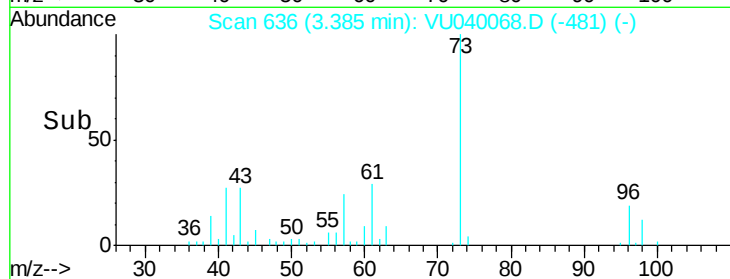
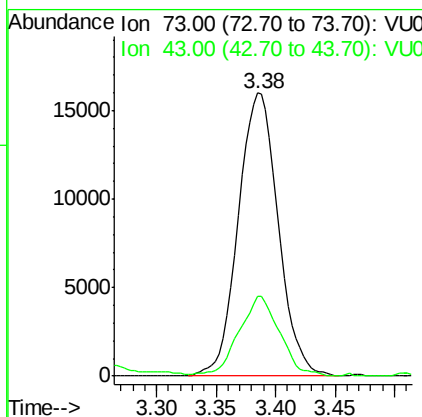
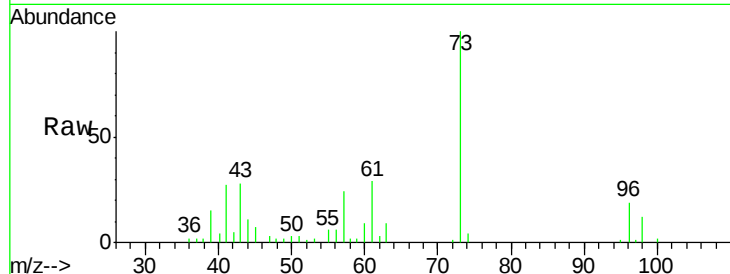
#25
Methyl tert-Butyl Ether
Concen: 1.861 ug/l
RT: 3.38 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU040068.D
Acq: 09 Sep 2020 18:13

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBSD01

Tot Ion: 73 Resp: 37214
Ion Ratio Lower Upper
73 100
43 28.7 20.0 30.0

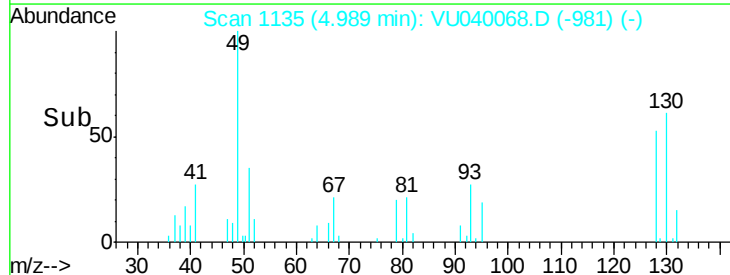
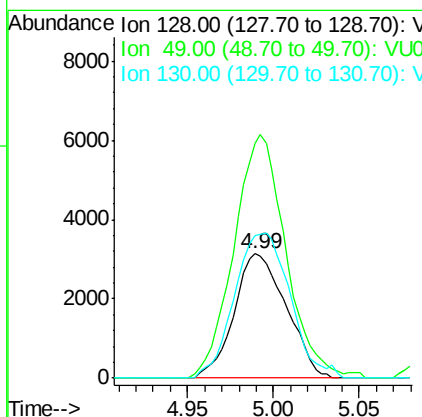
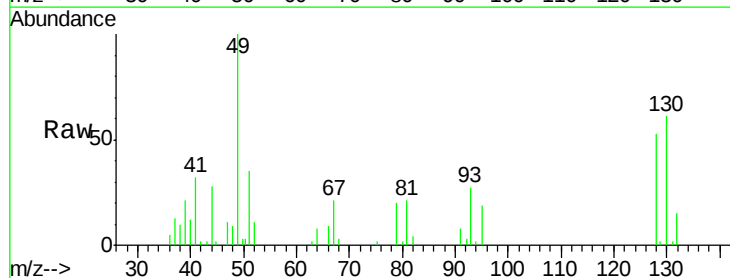
Manual Integrations
APPROVED

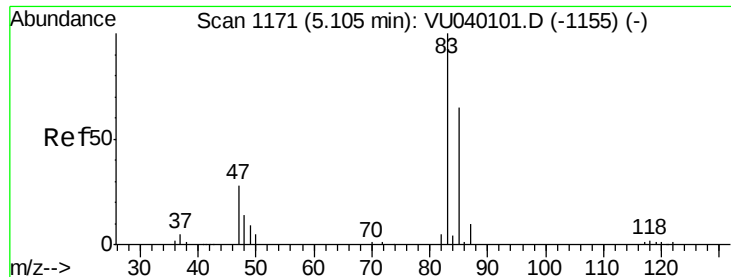
MMDadoda
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#26
Bromochloromethane
Concen: 2.002 ug/l
RT: 4.99 min Scan# 1135
Delta R.T. -0.00 min
Lab File: VU040068.D
Acq: 09 Sep 2020 18:13

Tgt Ion: 128 Resp: 6594
Ion Ratio Lower Upper
128 100
49 195.4 0.0 390.6
130 124.8 104.9 157.3





#27

Chloroform

Concen: 1.984 ug/l

RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU040068.D

Acq: 09 Sep 2020 18:13

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBSD01

Tot Ion: 83 Resp: 28606

Ion Ratio Lower Upper

83 100

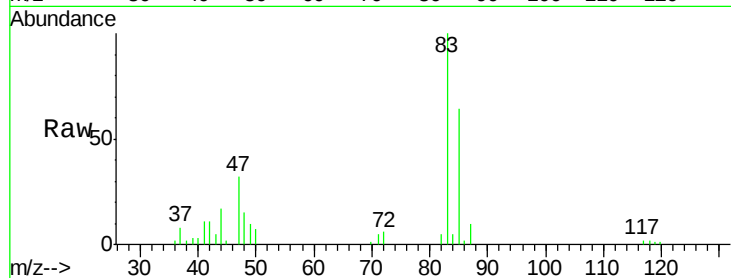
85 63.6 0.0 132.4

Manual Integrations

APPROVED

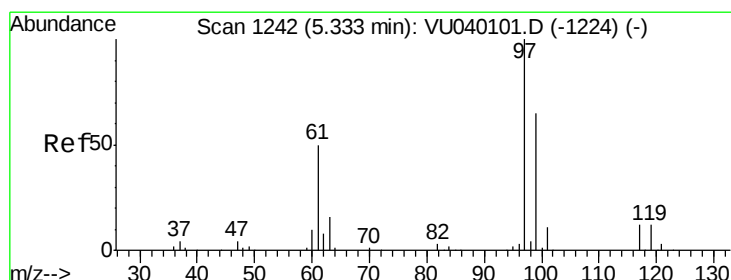
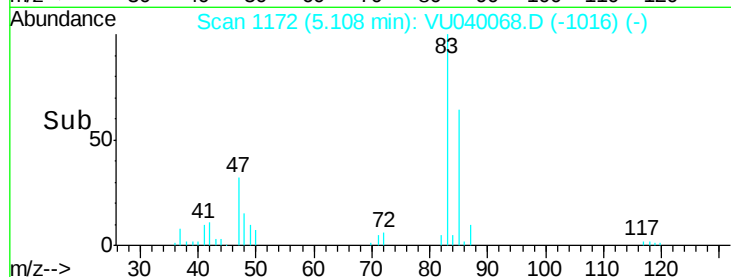
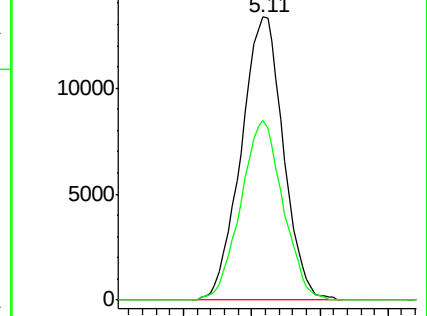
MMDadoda

9/17/2020 4:47:41 PM



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#28

1,1,1-Trichloroethane

Concen: 1.936 ug/l

RT: 5.33 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VU040068.D

Acq: 09 Sep 2020 18:13

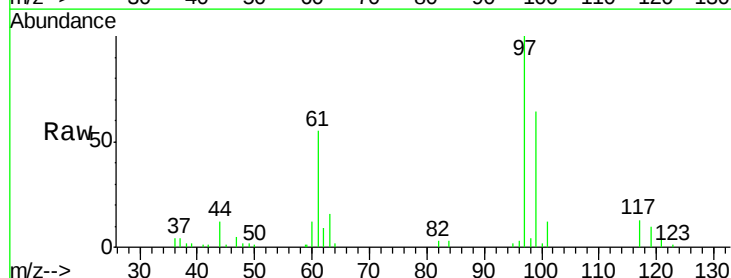
Tgt Ion: 97 Resp: 24279

Ion Ratio Lower Upper

97 100

99 62.3 31.8 95.4

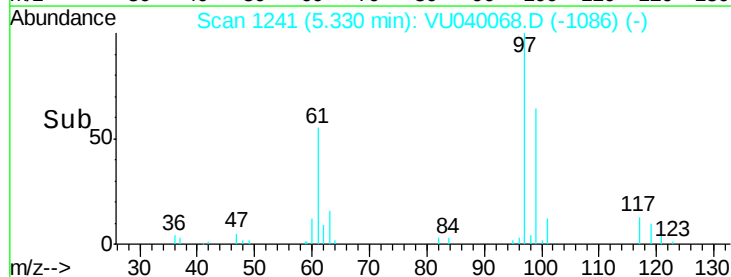
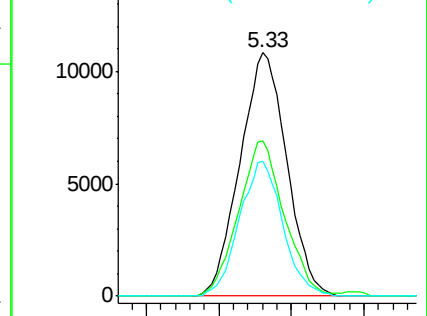
61 51.2 25.1 75.2

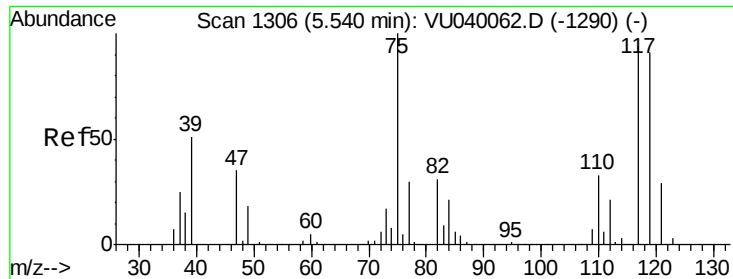


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





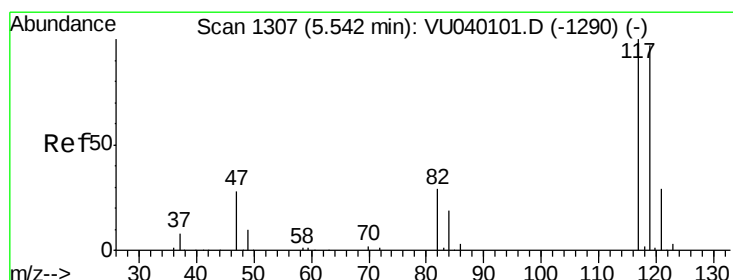
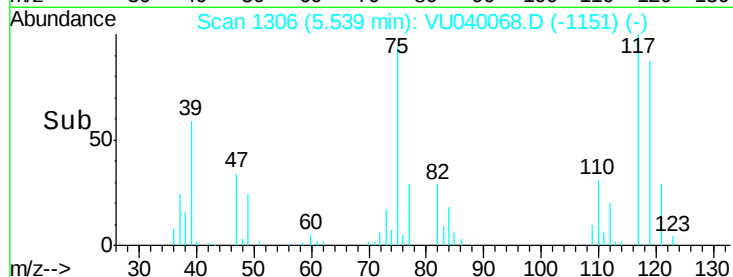
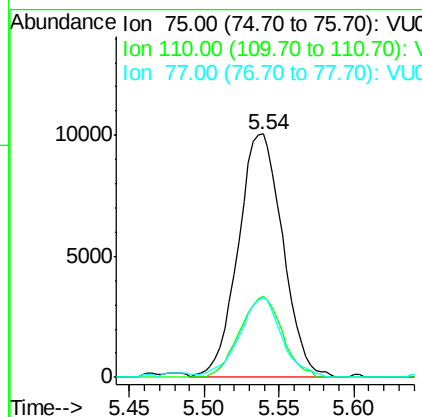
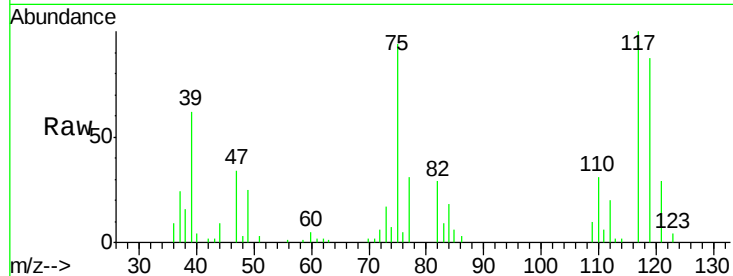
#29
 1,1-Dichloropropene
 Concen: 1.957 ug/l
 RT: 5.54 min Scan# 1306
 Delta R.T. -0.00 min
 Lab File: VU040068.D
 Acq: 09 Sep 2020 18:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0909WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
110	31.7	16.2	48.6
77	31.1	25.3	37.9

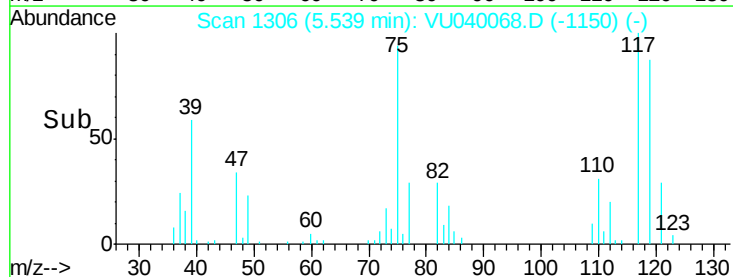
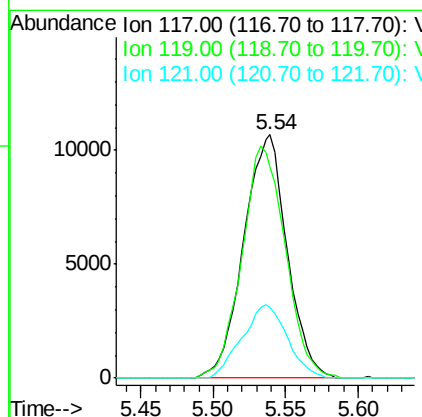
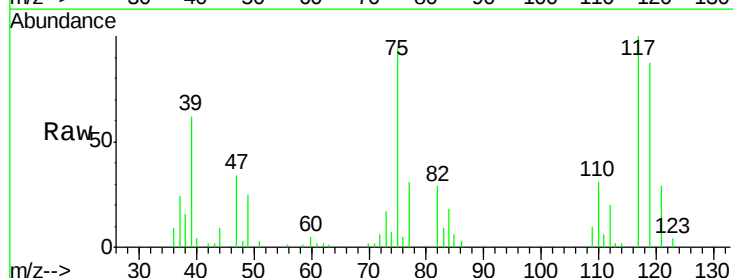
Manual Integrations
 APPROVED

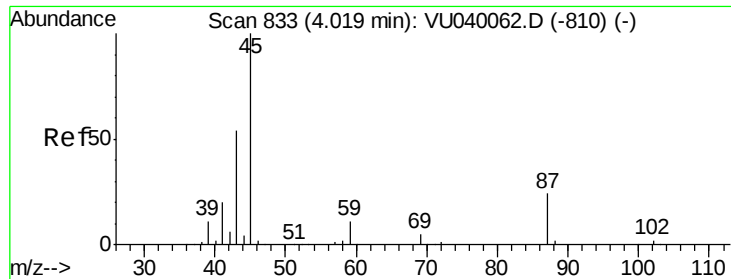
MMDadoda
 9/17/2020 4:47:41 PM



#30
 Carbon Tetrachloride
 Concen: 1.961 ug/l
 RT: 5.54 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU040068.D
 Acq: 09 Sep 2020 18:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	87.2	77.0	115.4
121	29.1	24.2	36.4





#31

Isopropyl Ether

Concen: 1.952 ug/l

RT: 4.02 min Scan# 834

Delta R.T. 0.00 min

Lab File: VU040068.D

Acq: 09 Sep 2020 18:13

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBSD01

Tot Ion: 45 Resp: 47737

Ion Ratio Lower Upper

45 100

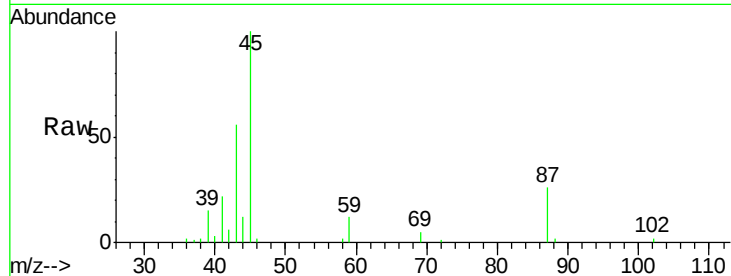
43 55.2 27.9 83.7

Manual Integrations

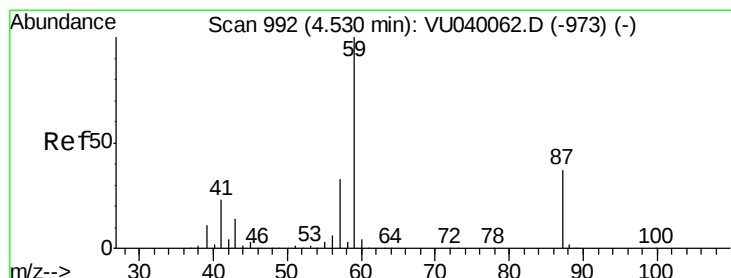
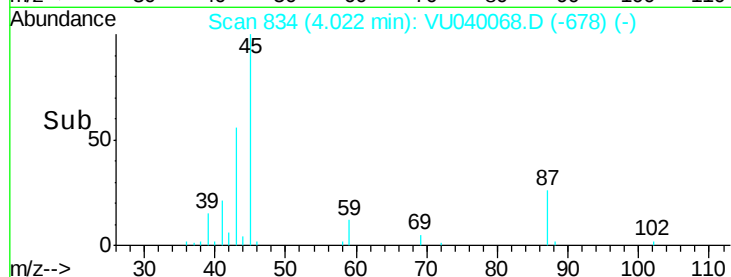
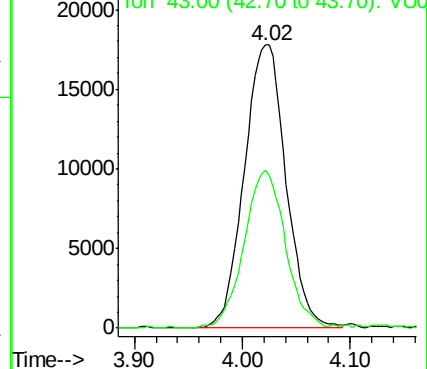
APPROVED

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9/17/2020 4:47:41 PM



Abundance Ion 45.00 (44.70 to 45.70): VU040068.D (-678) (-)



#32

Ethyl-t-butyl ether

Concen: 1.976 ug/l

RT: 4.53 min Scan# 992

Delta R.T. -0.00 min

Lab File: VU040068.D

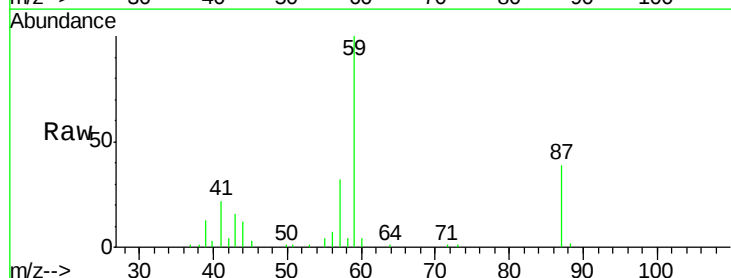
Acq: 09 Sep 2020 18:13

Tgt Ion: 59 Resp: 43797

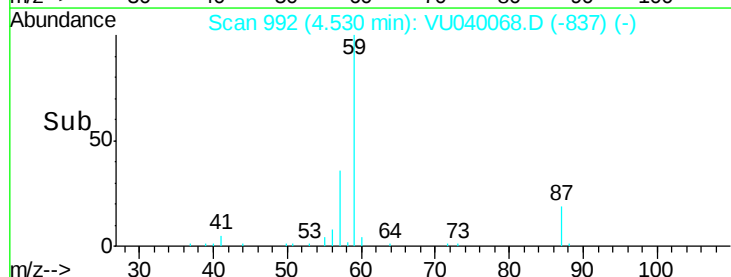
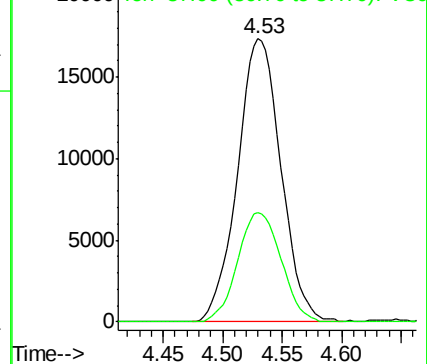
Ion Ratio Lower Upper

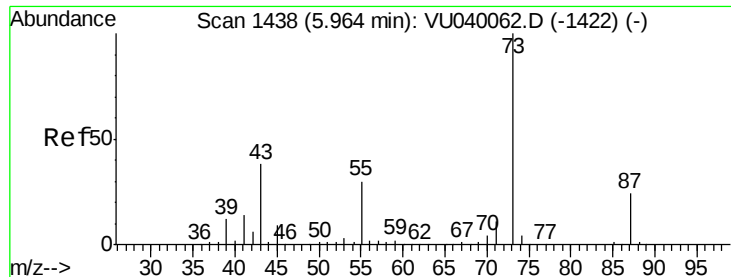
59 100

87 38.6 30.7 46.1



Abundance Ion 59.00 (58.70 to 59.70): VU040068.D (-837) (-)





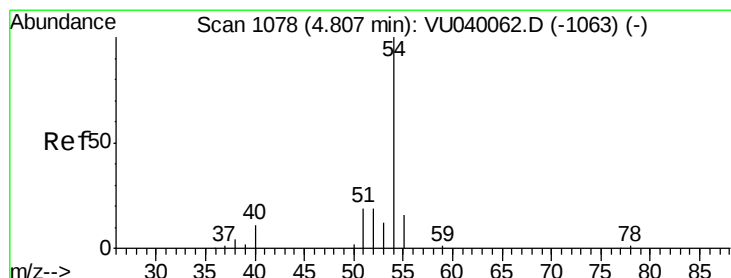
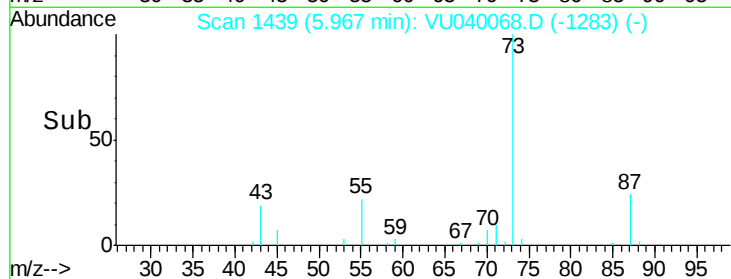
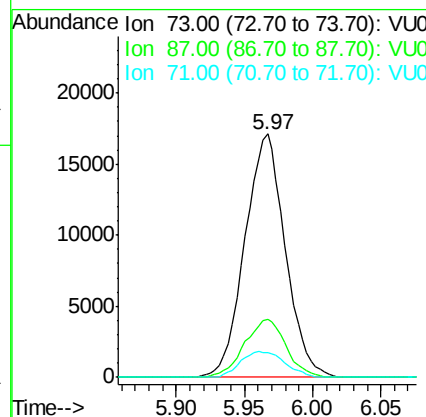
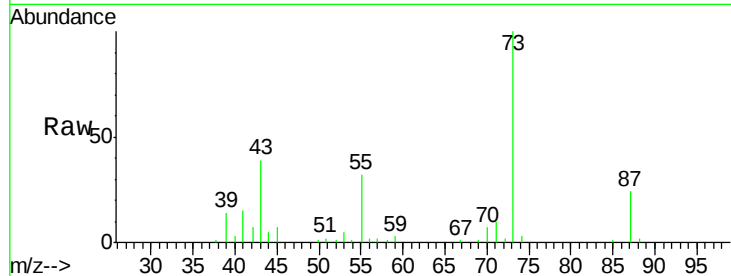
#33
Tert-Butyl methyl ether
Concen: 1.801 ug/l
RT: 5.97 min Scan# 1439
Delta R.T. 0.00 min
Lab File: VU040068.D
Acq: 09 Sep 2020 18:13

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
87	24.4	19.4	29.0
71	11.6	9.2	13.8

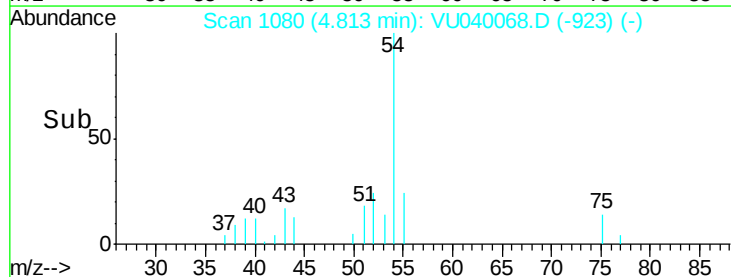
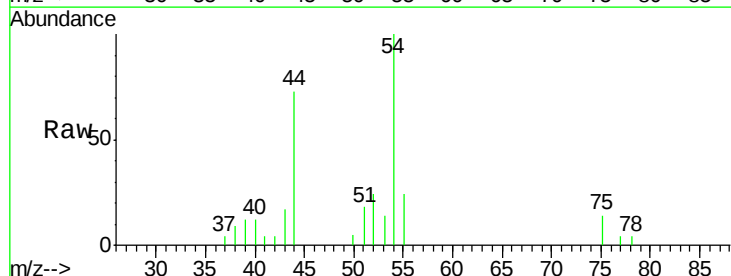
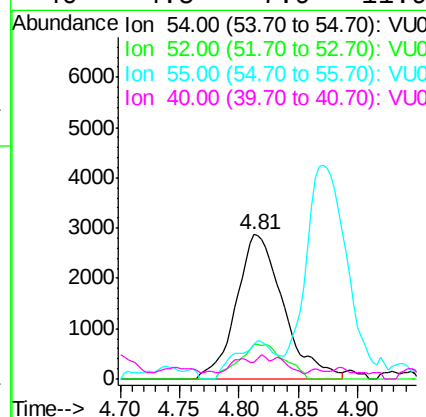
Manual Integrations
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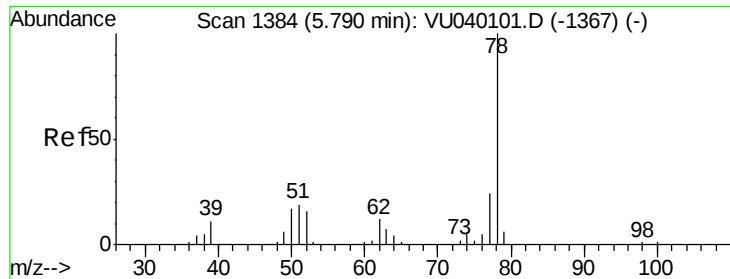
MMDadoda
9/17/2020 4:47:41 PM



#34
Propionitrile
Concen: 10.678 ug/l
RT: 4.81 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VU040068.D
Acq: 09 Sep 2020 18:13

Tgt Ion	Ratio	Lower	Upper
54	100		
52	23.2	16.2	24.4
55	21.7	12.6	18.8#
40	4.5	7.9	11.9#





#35

Benzene

Concen: 1.942 ug/l

RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VU040068.D

Acq: 09 Sep 2020 18:13

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBSD01

Tot Ion: 78 Resp: 57381

Ion Ratio Lower Upper

78 100

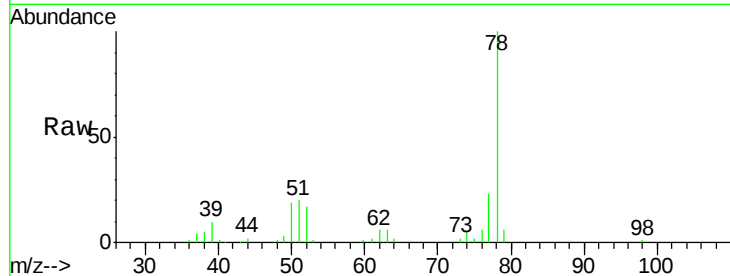
77 23.0 19.1 28.7

Manual Integrations

APPROVED

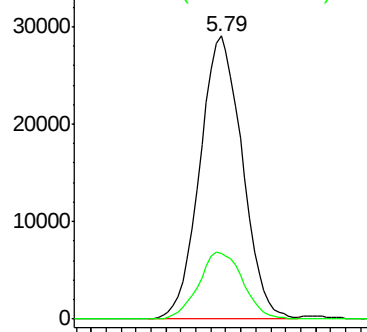
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9/17/2020 4:47:41 PM

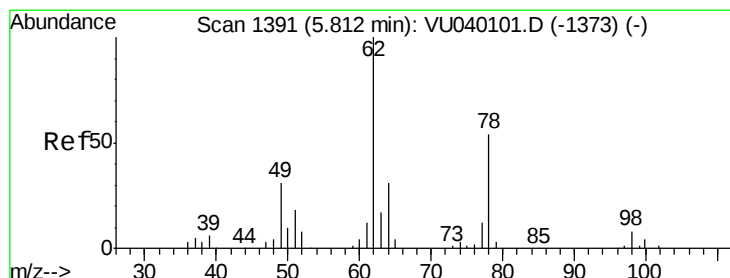
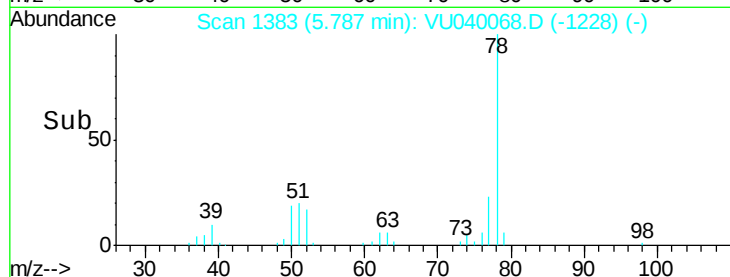


Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0



Time-->



#36

1,2-Dichloroethane

Concen: 1.996 ug/l

RT: 5.82 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VU040068.D

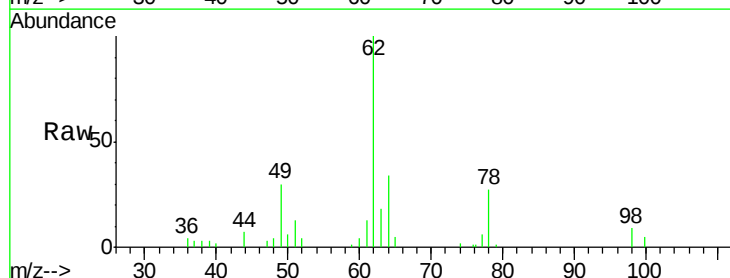
Acq: 09 Sep 2020 18:13

Tgt Ion: 62 Resp: 22939

Ion Ratio Lower Upper

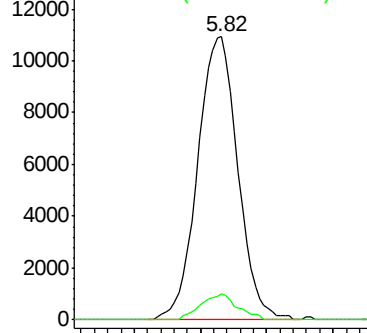
62 100

98 8.4 6.5 9.7

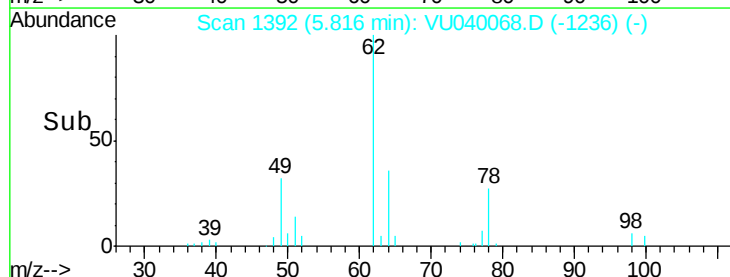


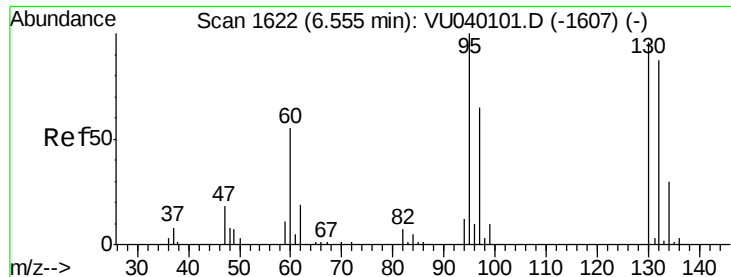
Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



Time-->





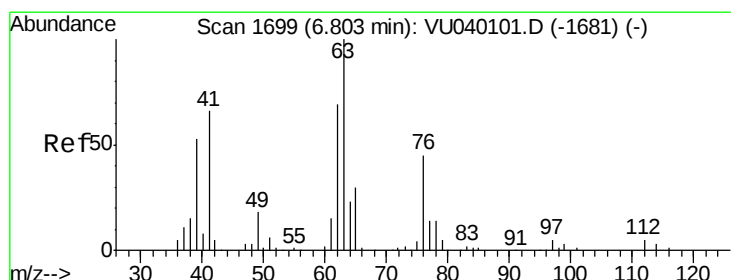
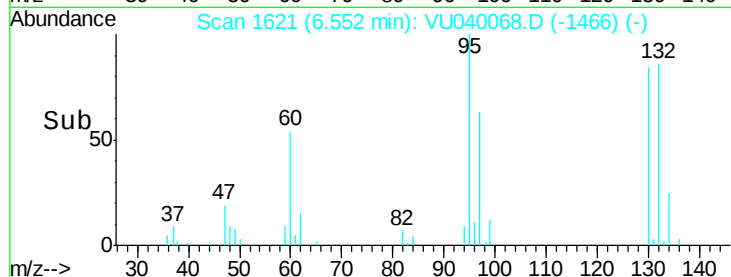
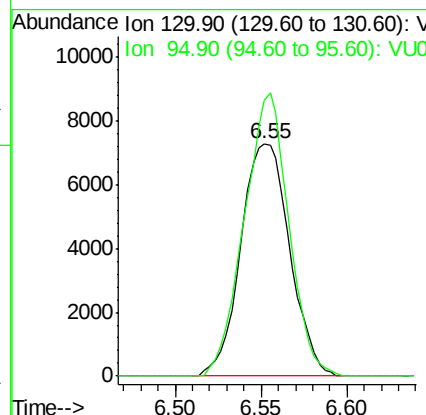
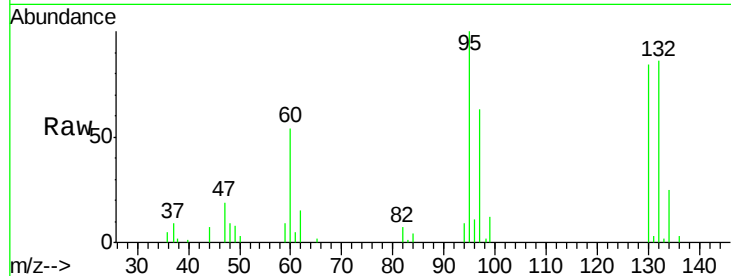
#37
 Trichloroethene
 Concen: 1.919 ug/l
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040068.D
 Acq: 09 Sep 2020 18:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0909WBSD01

Tot Ion:130 Resp: 14418
 Ion Ratio Lower Upper
 130 100
 95 118.5 84.2 126.2

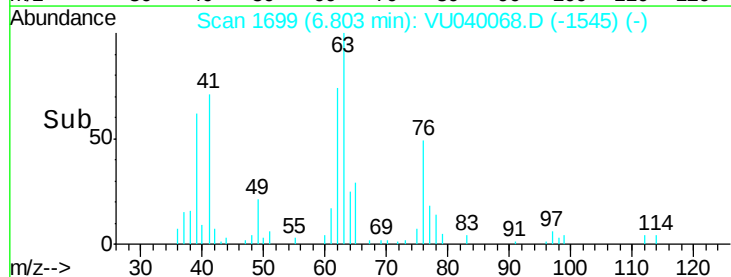
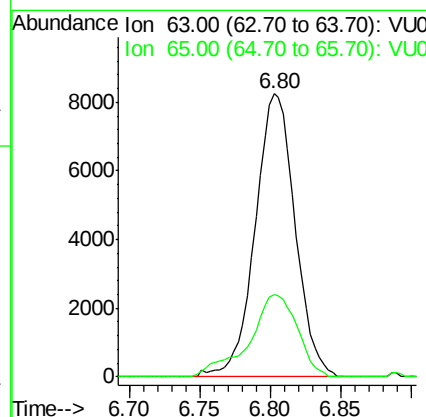
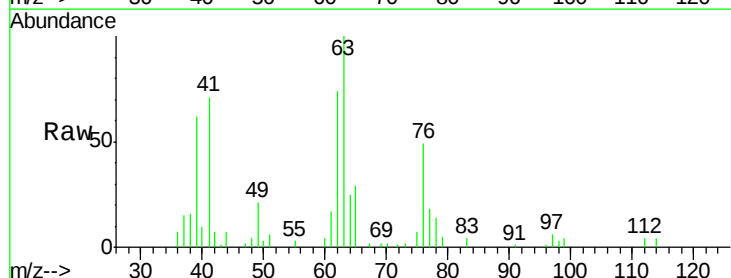
Manual Integrations
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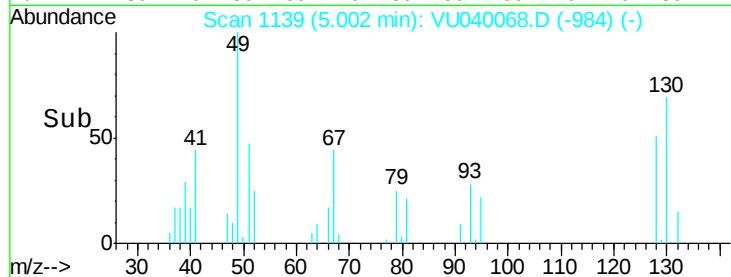
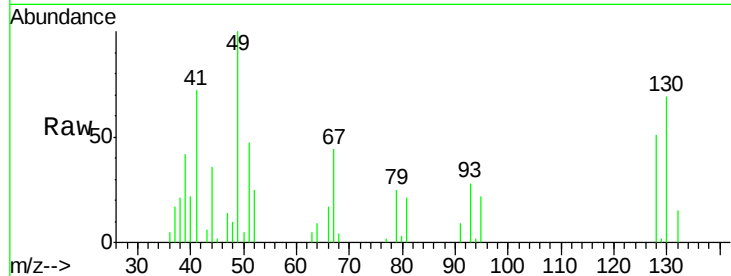
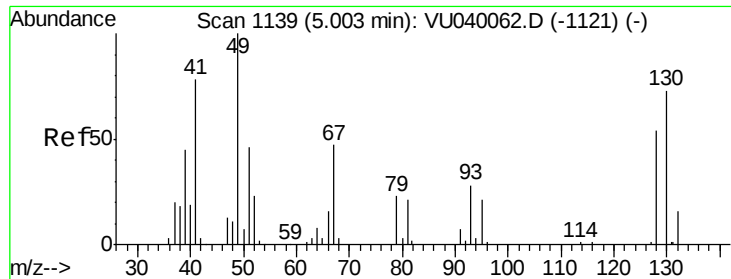
MMDadoda
 9/17/2020 4:47:41 PM



#38
 1,2-Dichloropropane
 Concen: 1.910 ug/l
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU040068.D
 Acq: 09 Sep 2020 18:13

Tgt Ion: 63 Resp: 16336
 Ion Ratio Lower Upper
 63 100
 65 29.2 23.0 34.6





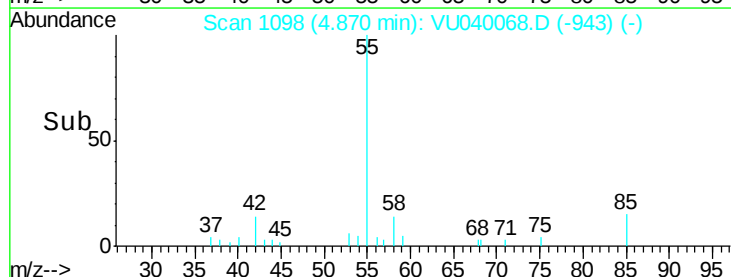
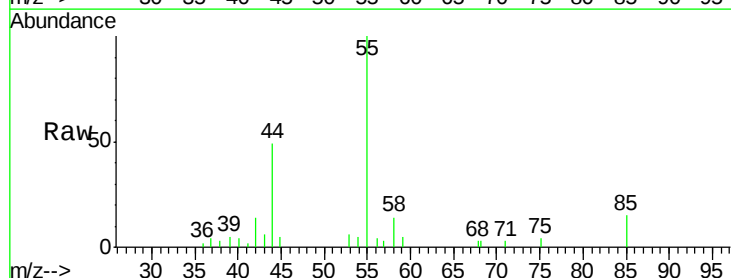
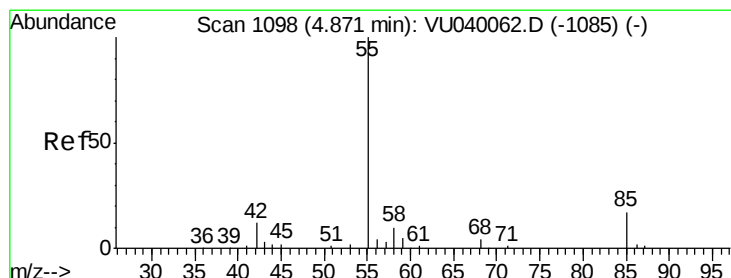
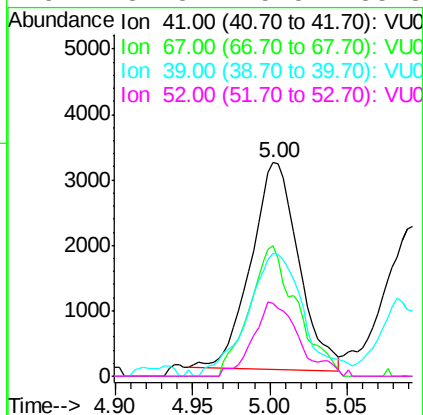
#39
Methacrylonitrile
Concen: 1.720 ug/l
RT: 5.00 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VU040068.D
Acq: 09 Sep 2020 18:13

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		6788		
67	62.7	49.2	73.8		
39	69.8	46.5	69.7		
52	32.3	25.5	38.3		

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBSD01

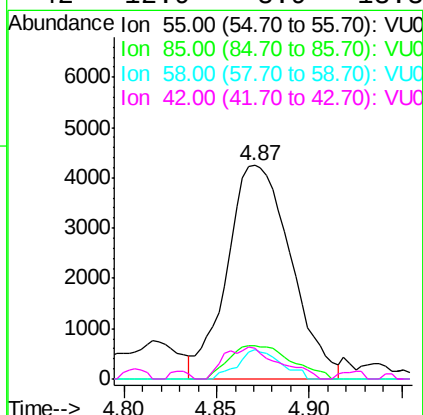
Manual Integrations
APPROVED

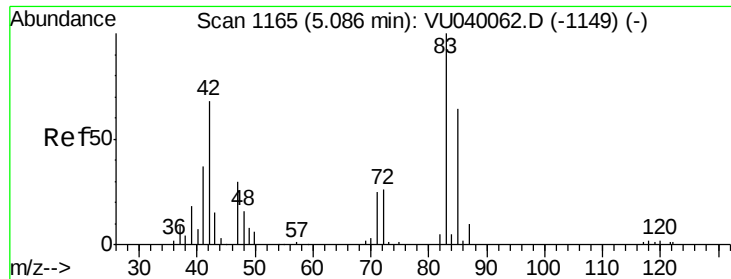
MMDadoda
9/17/2020 4:47:41 PM



#40
Methyl acrylate
Concen: 2.003 ug/l
RT: 4.87 min Scan# 1098
Delta R.T. -0.00 min
Lab File: VU040068.D
Acq: 09 Sep 2020 18:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
55	100		10136		
85	15.5	13.3	19.9		
58	9.2	7.5	11.3		
42	12.9	8.9	13.3		





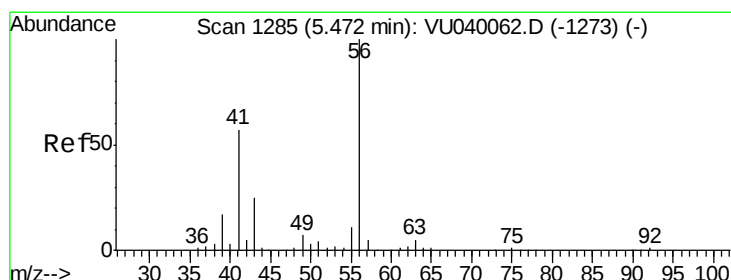
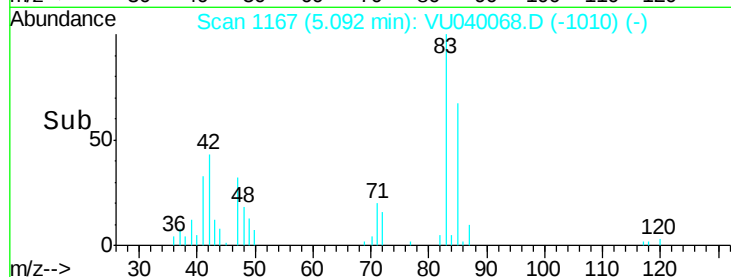
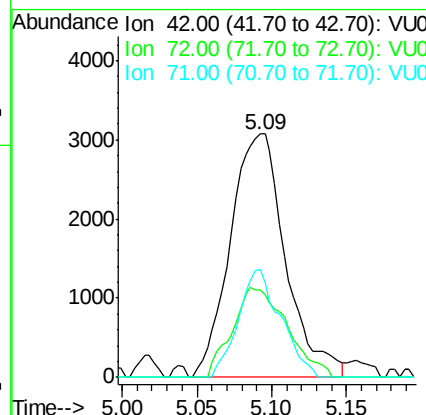
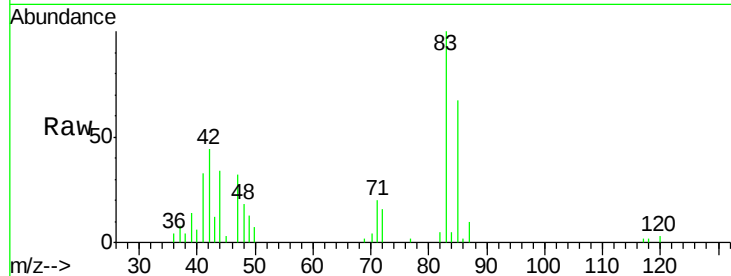
#41
Tetrahydrofuran
Concen: 4.171 ug/l
RT: 5.09 min Scan# 1167
Delta R.T. 0.01 min
Lab File: VU040068.D
Acq: 09 Sep 2020 18:13

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.5	33.8	50.6
71	33.9	30.9	46.3

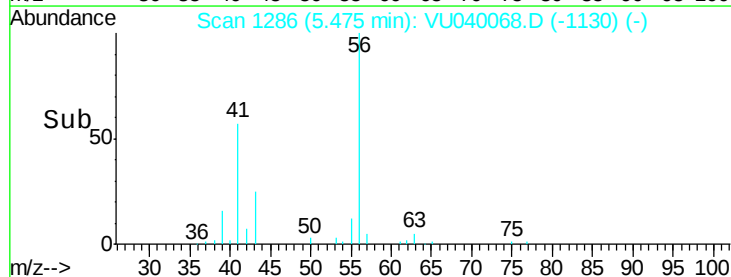
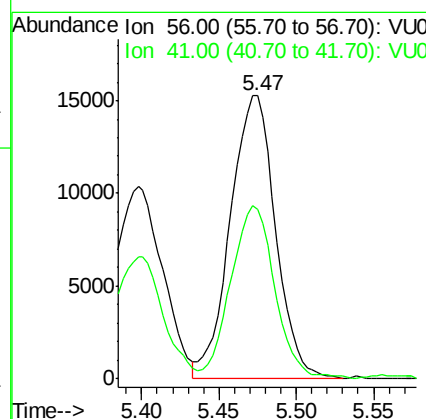
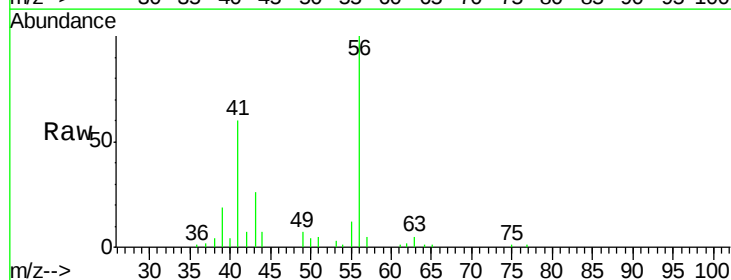
Manual Integrations
APPROVED

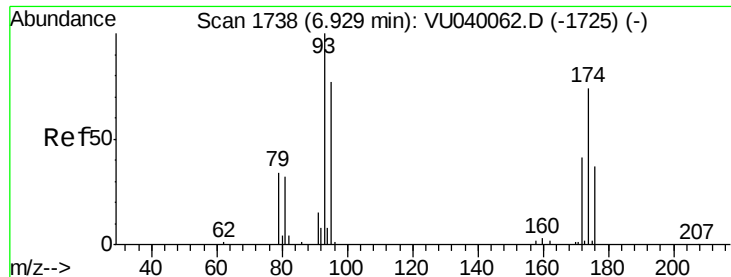
MMDadoda
9/17/2020 4:47:41 PM



#42
1-Chlorobutane
Concen: 1.967 ug/l
RT: 5.47 min Scan# 1286
Delta R.T. 0.00 min
Lab File: VU040068.D
Acq: 09 Sep 2020 18:13

Tgt Ion	Ratio	Lower	Upper
56	100		
41	59.6	29.2	87.6





#43

Dibromomethane

Concen: 1.767 ug/l

RT: 6.93 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VU040068.D

Acq: 09 Sep 2020 18:13

Instrument :

MSVOA_U

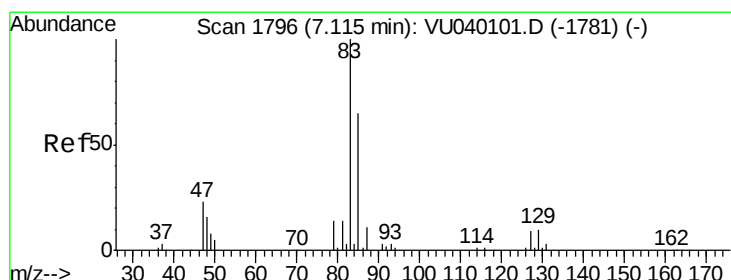
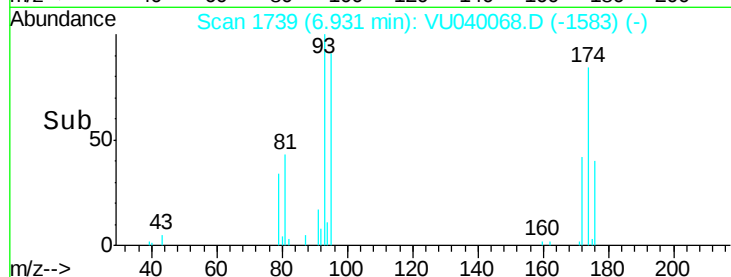
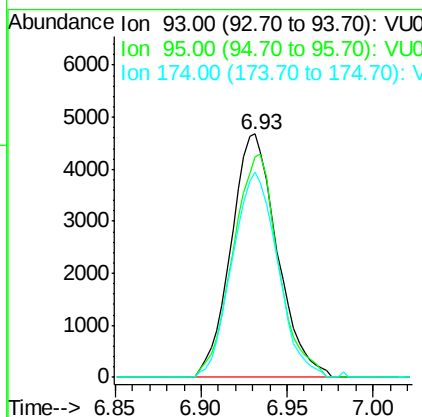
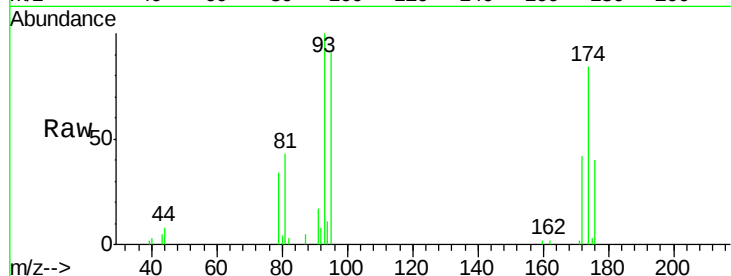
ClientSampleId :

VU0909WBSD01

Tot Ion:	93	Resp:	8735
Ion	Ratio	Lower	Upper
93	100		
95	89.9	63.3	94.9
174	82.6	63.5	95.3

Manual Integrations
APPROVED

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9/17/2020 4:47:41 PM



#44

Bromodichloromethane

Concen: 1.925 ug/l

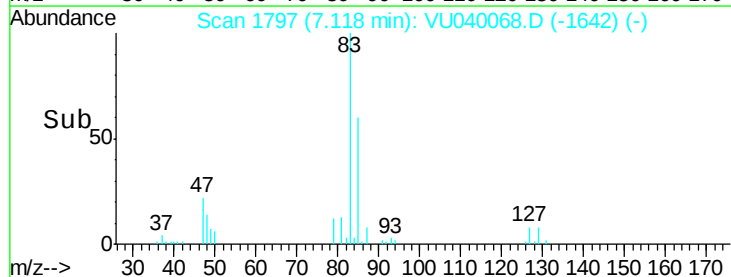
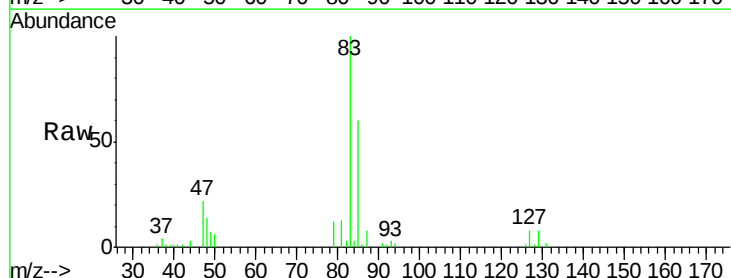
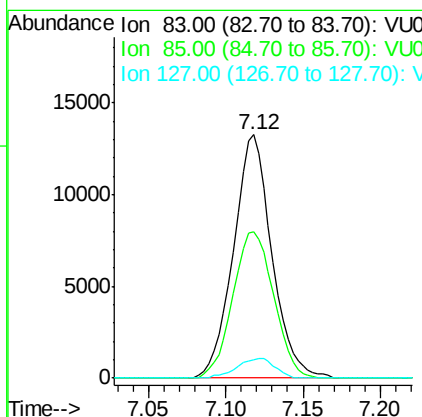
RT: 7.12 min Scan# 1797

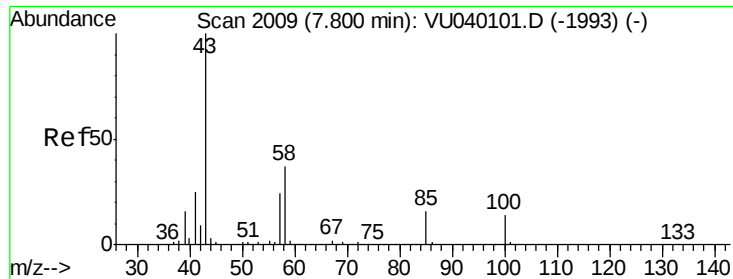
Delta R.T. -0.00 min

Lab File: VU040068.D

Acq: 09 Sep 2020 18:13

Tgt Ion:	83	Resp:	22845
Ion	Ratio	Lower	Upper
83	100		
85	60.3	52.1	78.1
127	7.6	6.6	9.8





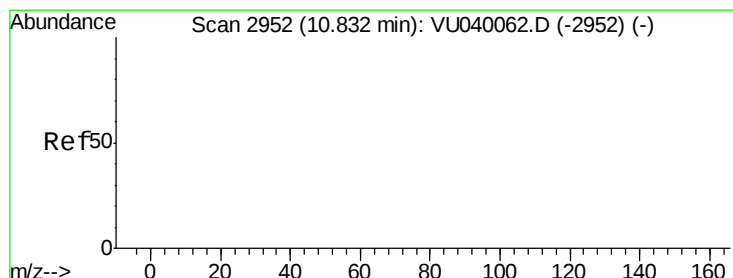
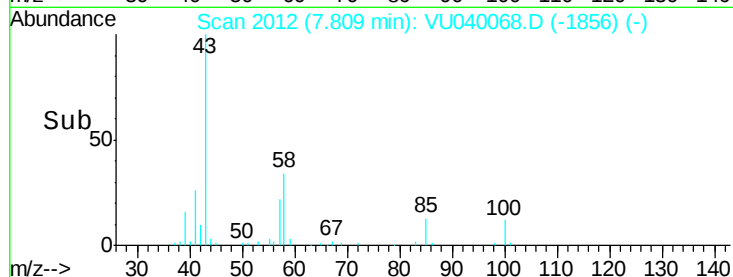
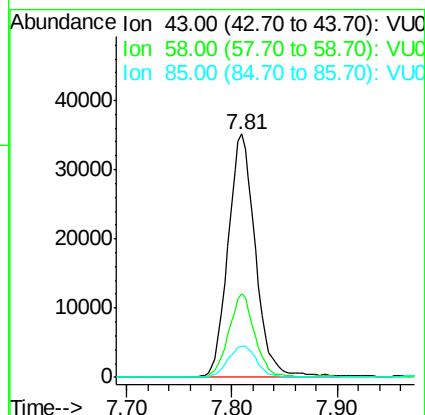
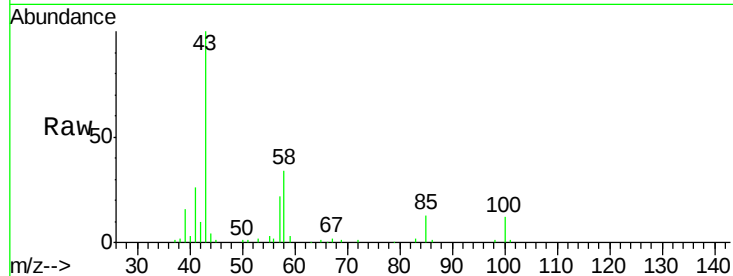
#45
4-Methyl-2-Pentanone
Concen: 9.358 ug/l
RT: 7.81 min Scan# 2012
Delta R.T. 0.00 min
Lab File: VU040068.D
Acq: 09 Sep 2020 18:13

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	32.6	18.1	54.3
85	13.2	12.3	18.5

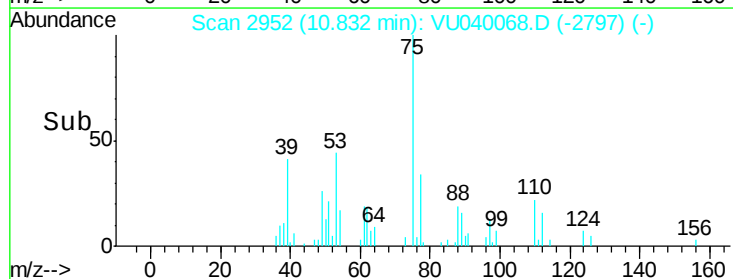
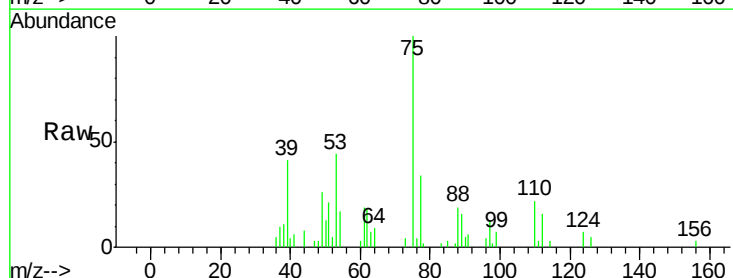
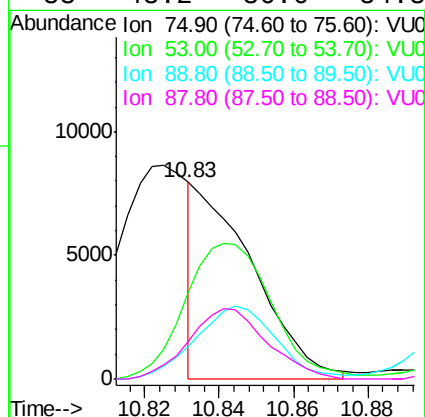
Manual Integrations
APPROVED

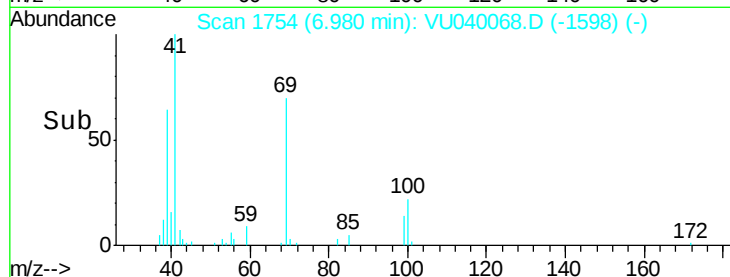
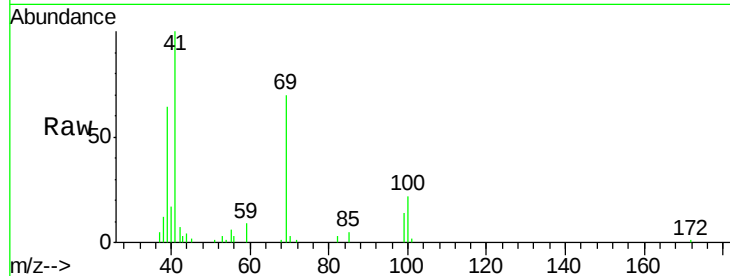
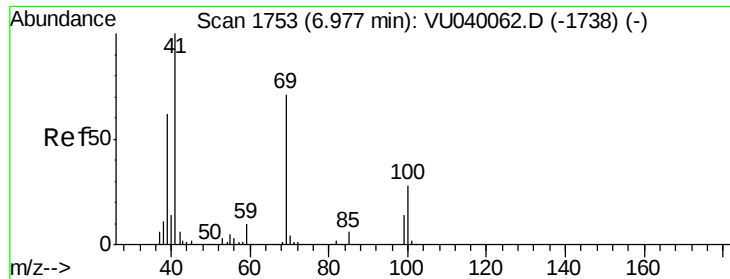
MMDadoda
9/17/2020 4:47:41 PM



#46
t-1,4-Dichloro-2-butene
Concen: 3.350 ug/l m
RT: 10.83 min Scan# 2952
Delta R.T. -0.00 min
Lab File: VU040068.D
Acq: 09 Sep 2020 18:13

Tgt Ion	Ratio	Lower	Upper
75	100		
53	103.2	75.0	112.6
89	51.9	41.6	62.4
88	48.2	36.6	54.8





#47

Methyl methacrylate

Concen: 3.669 ug/l

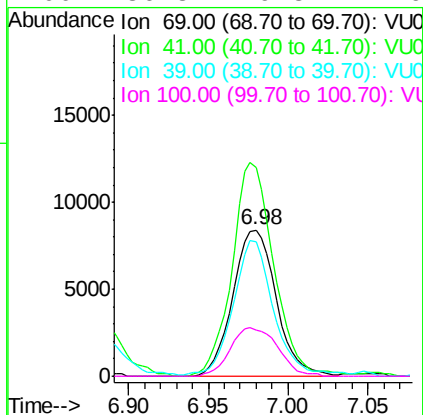
RT: 6.98 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VU040068.D

Acq: 09 Sep 2020 18:13

Tot Ion	Ratio	Resp	Lower	Upper
69	100			
41	140.4	0.0	273.0	
39	82.5	67.8	101.6	
100	36.3	29.8	44.6	

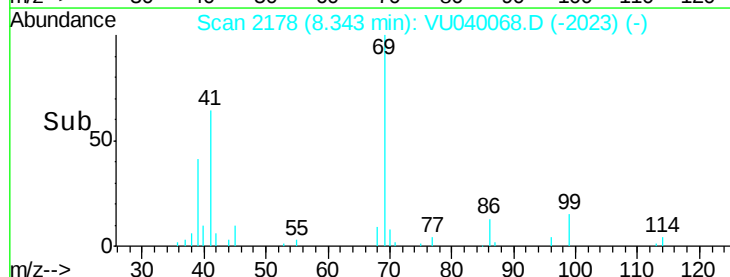
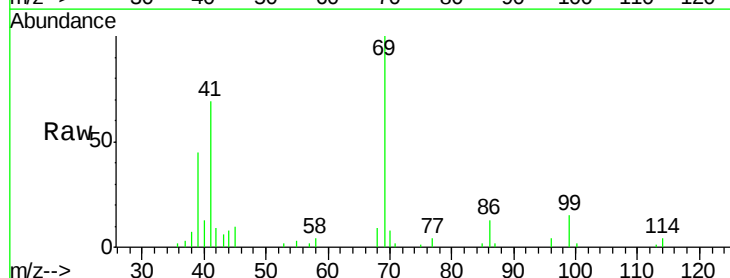
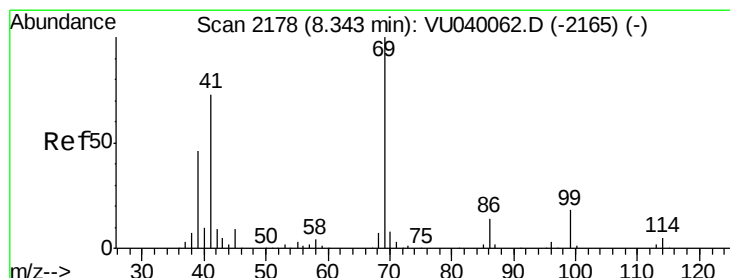


Instrument : MSVOA_U

ClientSampleId : VU0909WBSD01

Manual Integrations
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#48

Ethyl methacrylate

Concen: 1.725 ug/l

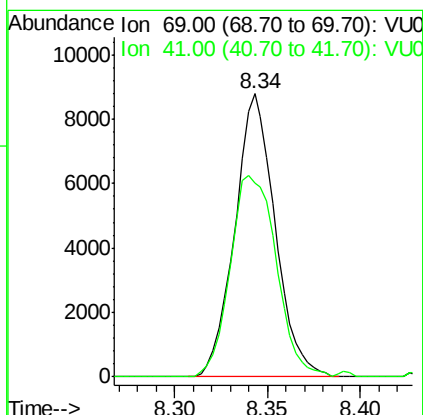
RT: 8.34 min Scan# 2178

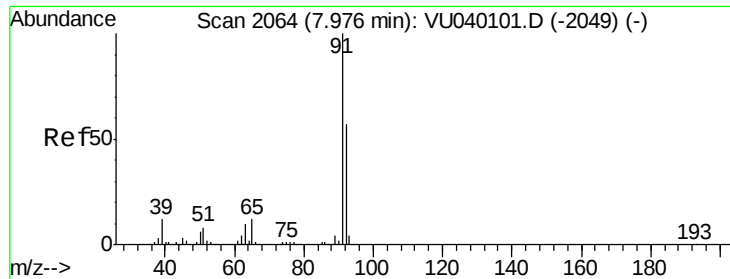
Delta R.T. -0.00 min

Lab File: VU040068.D

Acq: 09 Sep 2020 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
69	100			
41	81.3	37.8	113.3	





#49

Toluene

Concen: 1.810 ug/l

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU040068.D

Acq: 09 Sep 2020 18:13

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBSD01

Tot Ion: 92 Resp: 32314

Ion Ratio Lower Upper

92 100

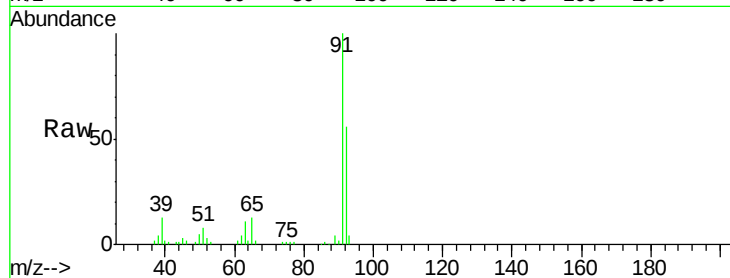
91 180.7 138.6 207.8

Manual Integrations

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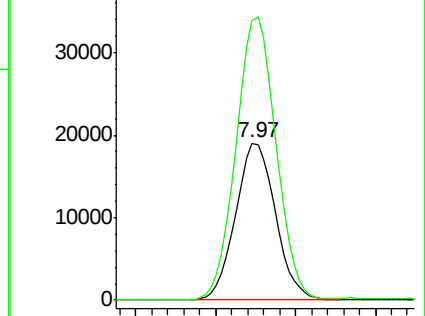
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9/17/2020 4:47:41 PM

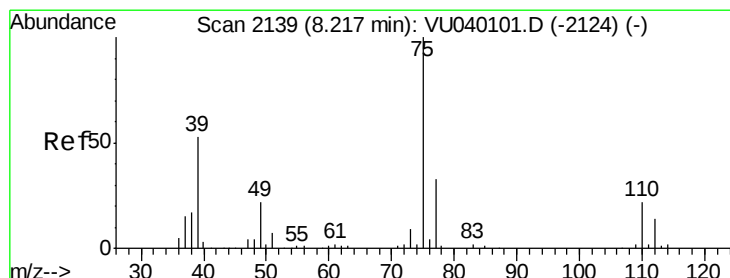
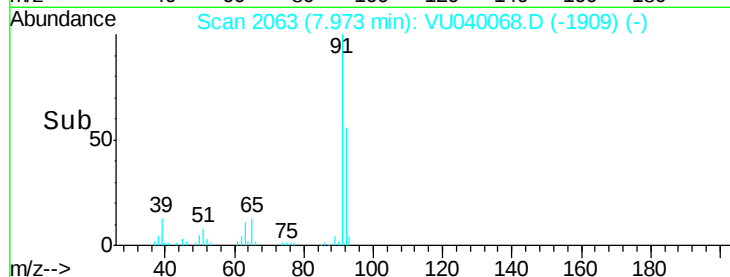


Abundance Ion 92.00 (91.70 to 92.70): VU040101.D (-2049) (-)

Ion 91.00 (90.70 to 91.70): VU040101.D (-2049) (-)



Time-->



#50

t-1,3-Dichloropropene

Concen: 1.847 ug/l

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU040068.D

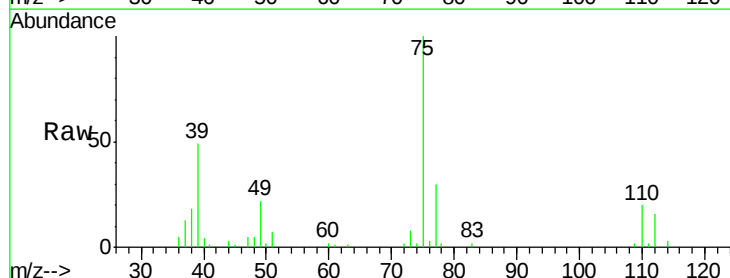
Acq: 09 Sep 2020 18:13

Tgt Ion: 75 Resp: 19767

Ion Ratio Lower Upper

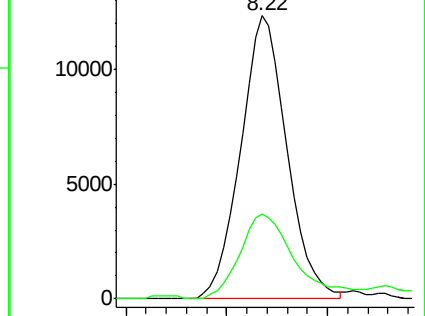
75 100

77 30.0 24.4 36.6

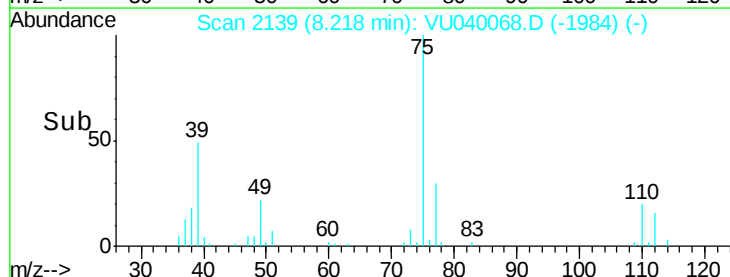


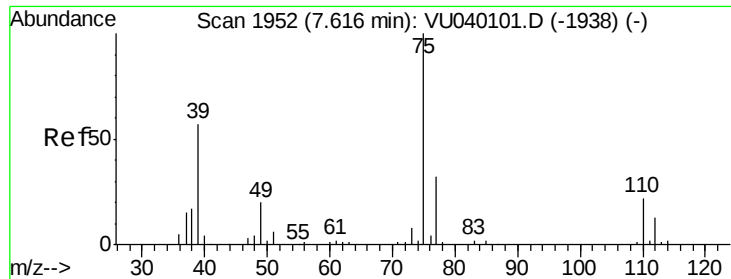
Abundance Ion 75.00 (74.70 to 75.70): VU040101.D (-2124) (-)

Ion 77.00 (76.70 to 77.70): VU040101.D (-2124) (-)



Time-->





#51

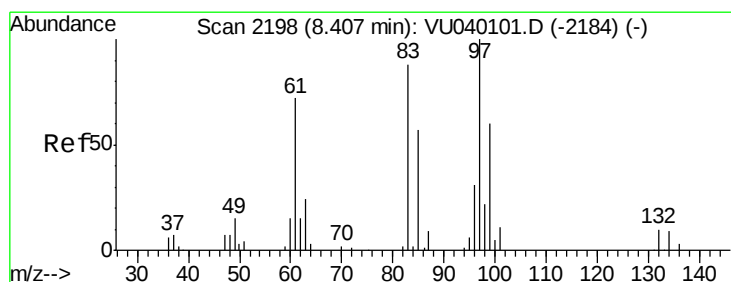
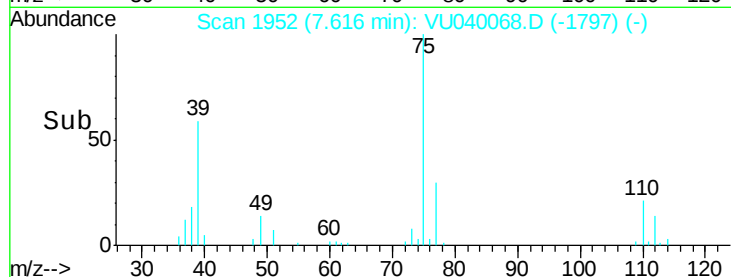
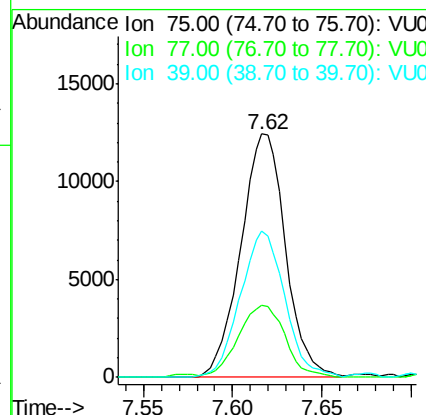
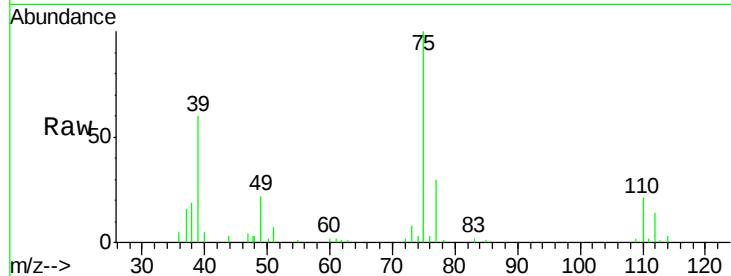
cis-1,3-Dichloropropene
Concen: 1.821 ug/l
RT: 7.62 min Scan# 1952
Delta R.T. -0.00 min
Lab File: VU040068.D
Acq: 09 Sep 2020 18:13

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.7	24.6	37.0
39	60.3	46.2	69.4

Manual Integrations
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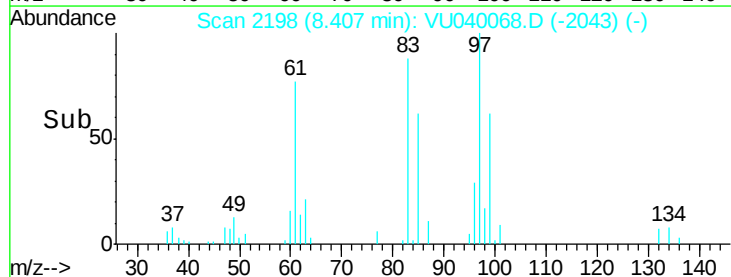
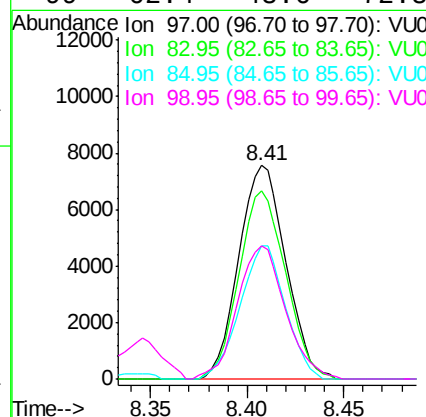
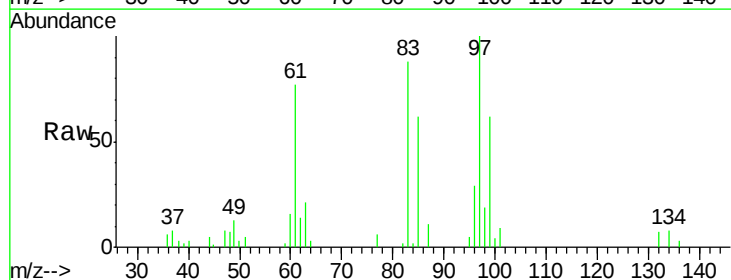
MMDadoda
9/17/2020 4:47:41 PM

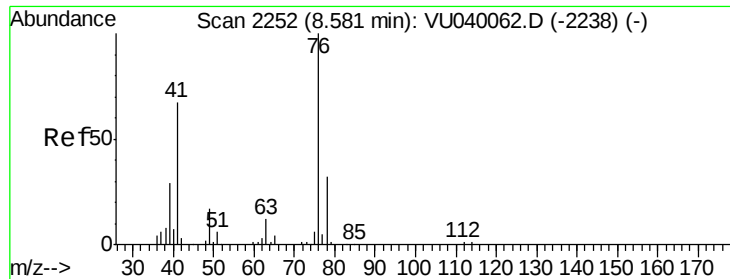


#52

1,1,2-Trichloroethane
Concen: 2.017 ug/l
RT: 8.41 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VU040068.D
Acq: 09 Sep 2020 18:13

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.4	68.7	103.1
85	62.3	46.7	70.1
99	62.4	48.6	72.8





#53

1,3-Dichloropropane

Concen: 1.898 ug/l

RT: 8.58 min Scan# 2252

Delta R.T. -0.00 min

Lab File: VU040068.D

Acq: 09 Sep 2020 18:13

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBSD01

Tot Ion: 76 Resp: 21586

Ion Ratio Lower Upper

76 100

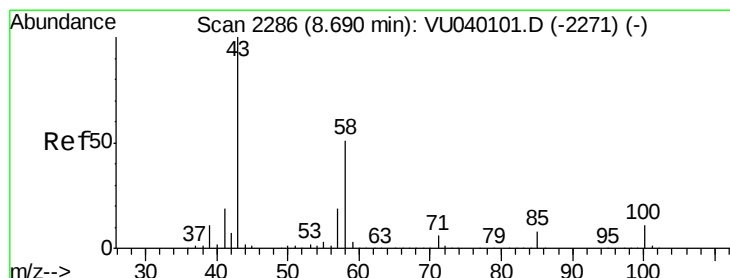
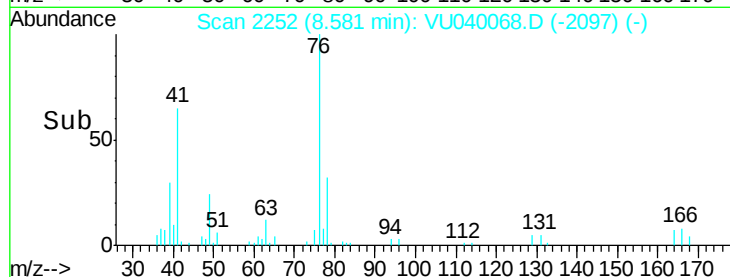
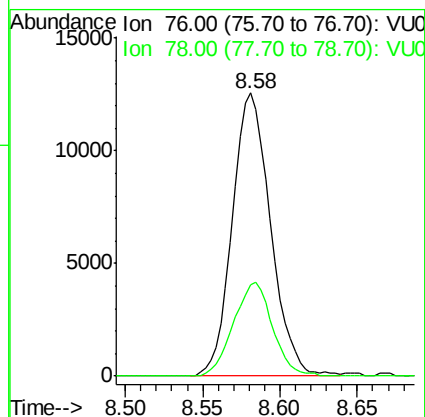
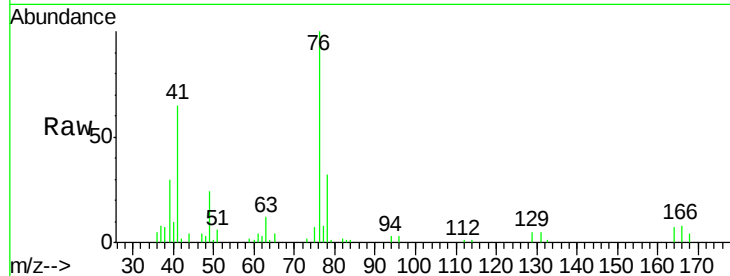
78 33.8 26.2 39.2

Manual Integrations

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#54

2-Hexanone

Concen: 8.929 ug/l

RT: 8.70 min Scan# 2288

Delta R.T. 0.00 min

Lab File: VU040068.D

Acq: 09 Sep 2020 18:13

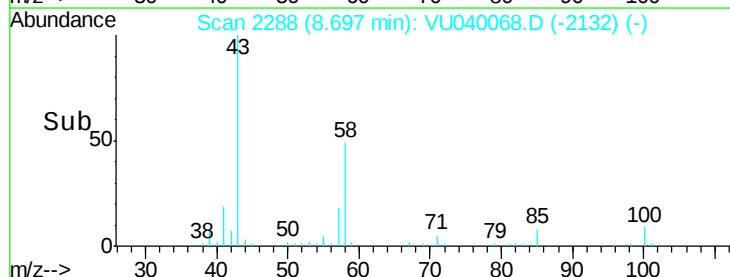
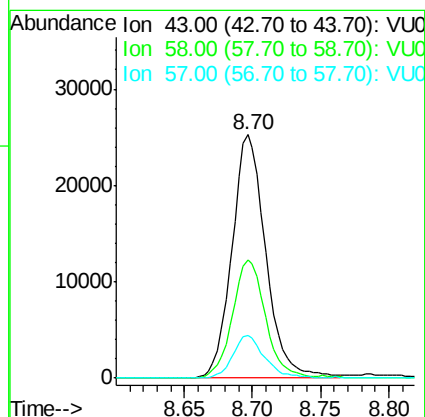
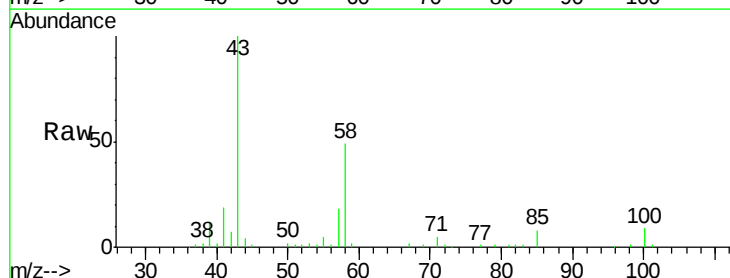
Tgt Ion: 43 Resp: 43596

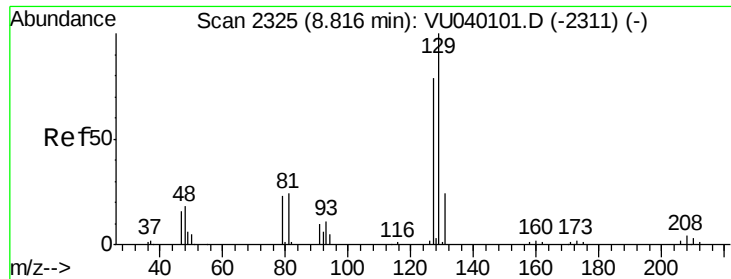
Ion Ratio Lower Upper

43 100

58 47.3 29.6 69.6

57 16.3 0.0 37.8





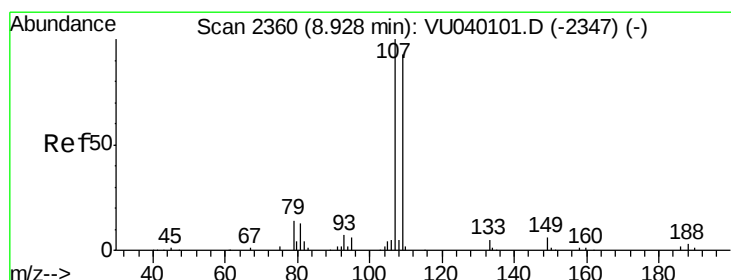
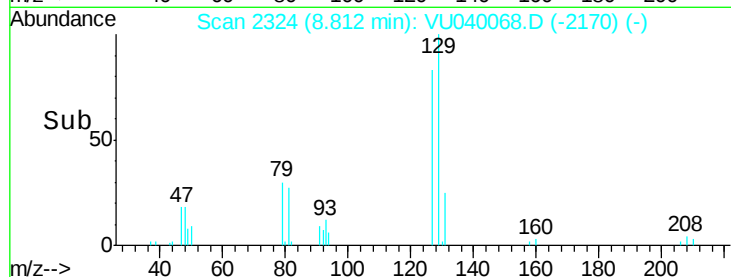
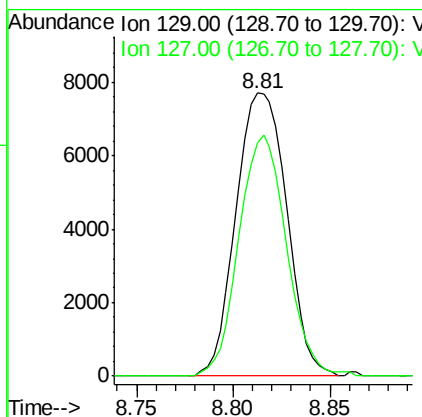
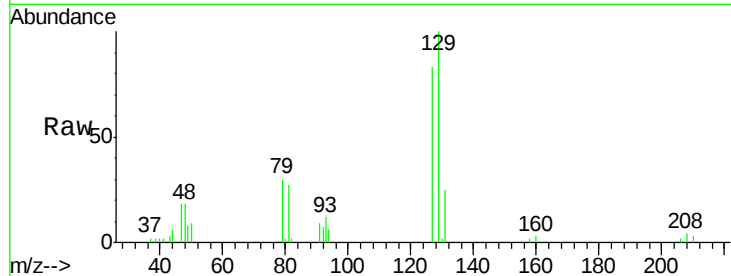
#55
Dibromochloromethane
Concen: 1.906 ug/l
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU040068.D
Acq: 09 Sep 2020 18:13

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBSD01

Tot Ion:129 Resp: 14084
Ion Ratio Lower Upper
129 100
127 79.8 62.7 94.1

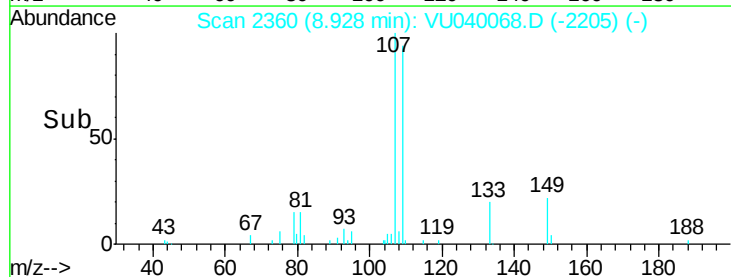
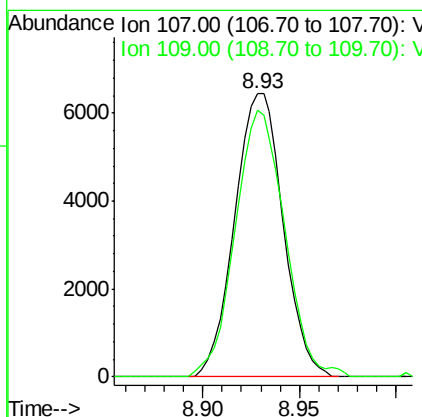
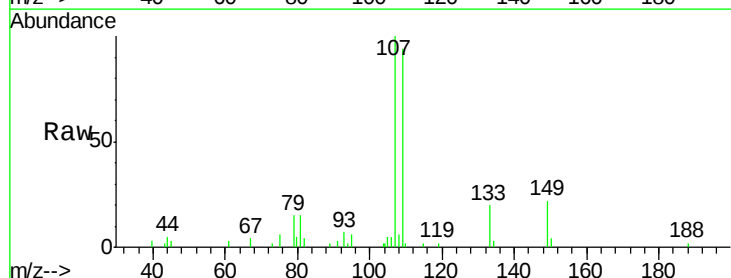
Manual Integrations
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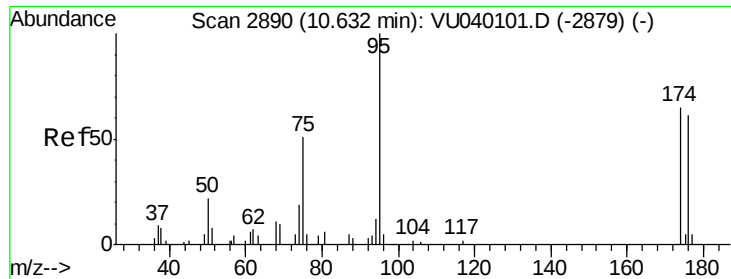
MMDadoda
9/17/2020 4:47:41 PM



#56
1,2-Dibromoethane
Concen: 1.897 ug/l
RT: 8.93 min Scan# 2360
Delta R.T. -0.00 min
Lab File: VU040068.D
Acq: 09 Sep 2020 18:13

Tgt Ion:107 Resp: 11218
Ion Ratio Lower Upper
107 100
109 96.1 0.0 191.0





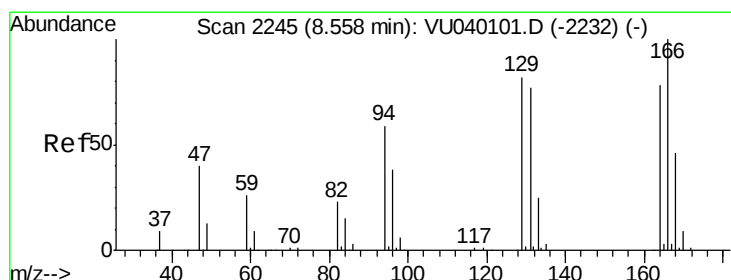
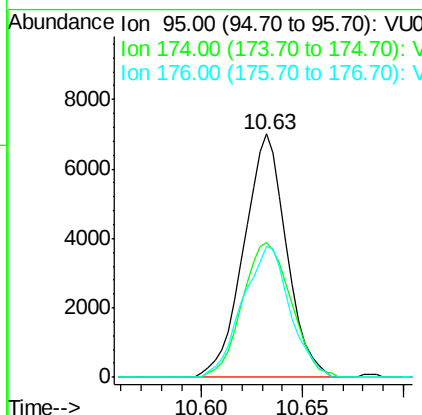
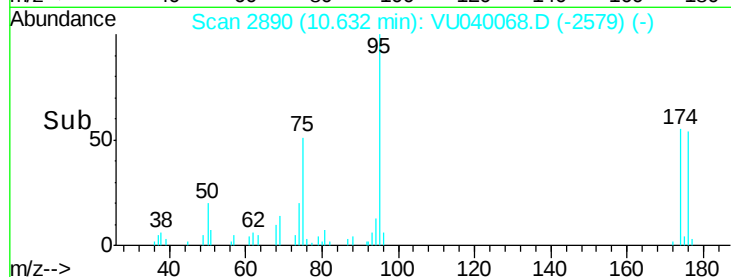
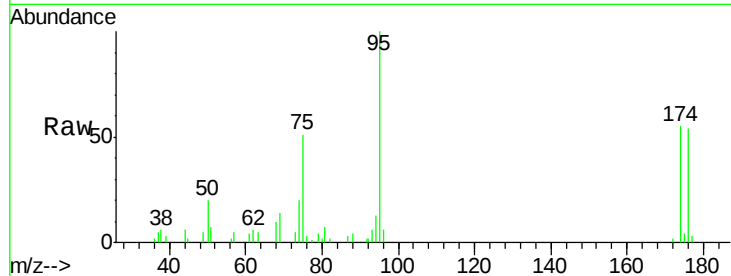
#57
4-Bromofluorobenzene
Concen: 0.917 ug/l
RT: 10.63 min Scan# 2890
Delta R.T. -0.00 min
Lab File: VU040068.D
Acq: 09 Sep 2020 18:13

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
95	100	10376		
174	63.1	49.4	74.0	
176	59.9	50.1	75.1	

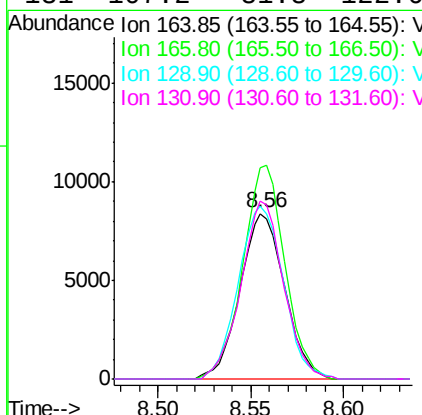
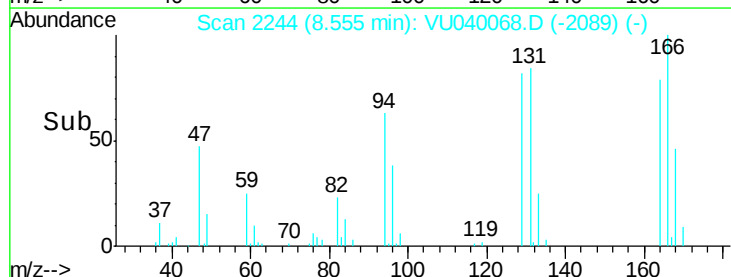
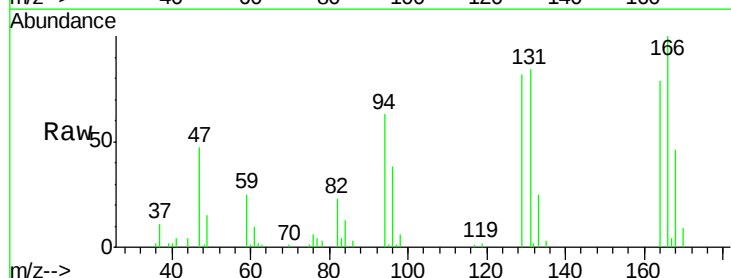
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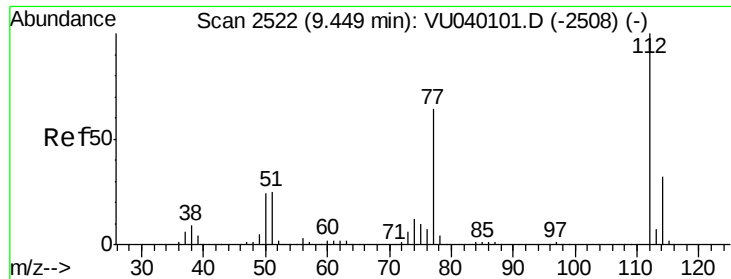
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#58
Tetrachloroethene
Concen: 1.913 ug/l
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU040068.D
Acq: 09 Sep 2020 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	13947		
166	127.2	101.3	151.9	
129	104.3	84.8	127.2	
131	107.2	81.8	122.6	





#59

Chlorobenzene

Concen: 1.912 ug/l

RT: 9.45 min Scan# 2522

Delta R.T. -0.00 min

Lab File: VU040068.D

Acq: 09 Sep 2020 18:13

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBSD01

Tot Ion:112 Resp: 37869

Ion Ratio Lower Upper

112 100

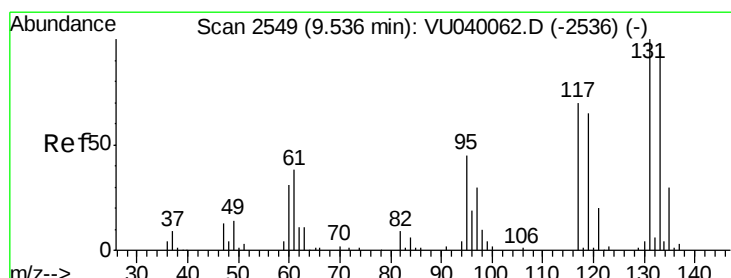
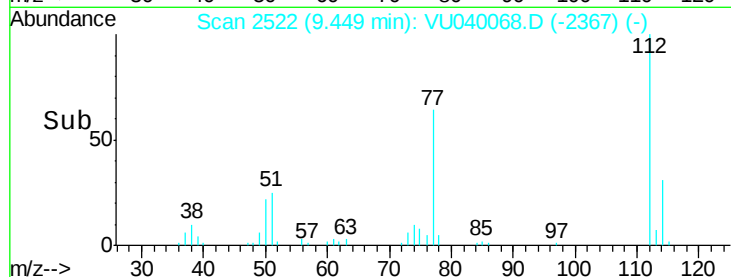
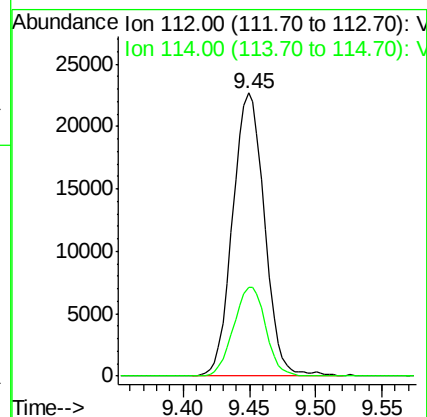
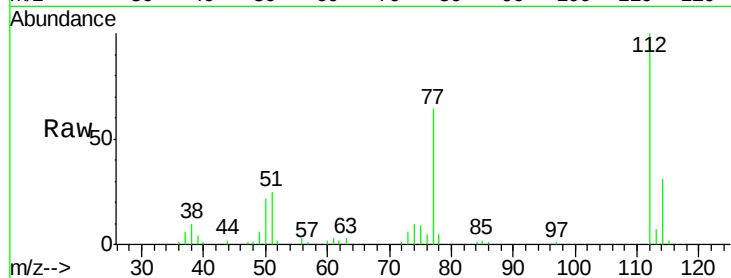
114 31.2 24.8 37.2

Manual Integrations

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#60

1,1,1,2-Tetrachloroethane

Concen: 1.947 ug/l

RT: 9.54 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VU040068.D

Acq: 09 Sep 2020 18:13

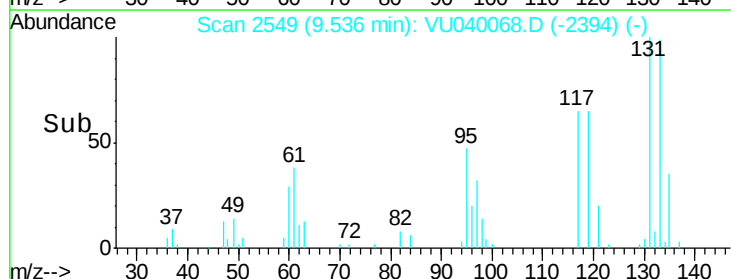
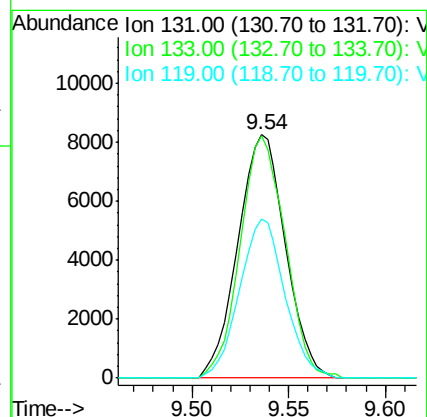
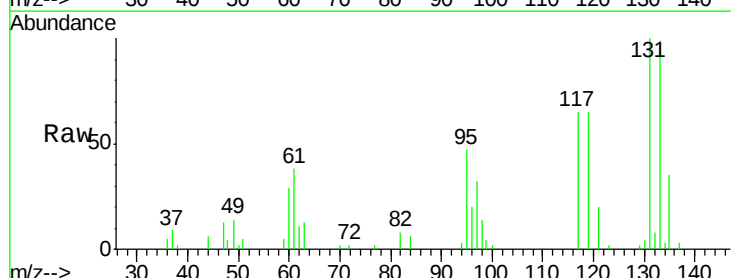
Tgt Ion:131 Resp: 14122

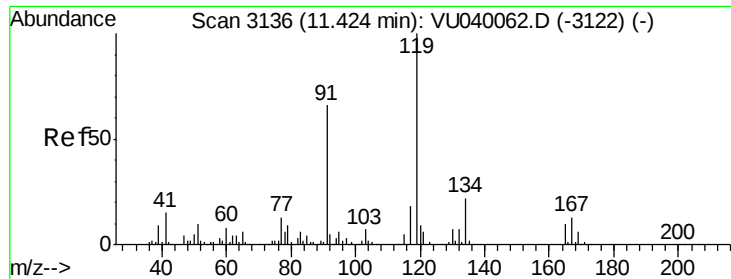
Ion Ratio Lower Upper

131 100

133 93.9 75.4 113.2

119 62.3 51.5 77.3





#61

Pentachloroethane

Concen: 2.024 ug/l

RT: 11.42 min Scan# 3136

Delta R.T. -0.00 min

Lab File: VU040068.D

Acq: 09 Sep 2020 18:13

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBSD01

Tot Ion:117 Resp: 10010

Ion Ratio Lower Upper

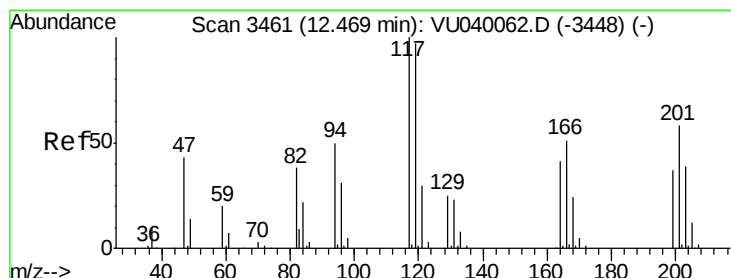
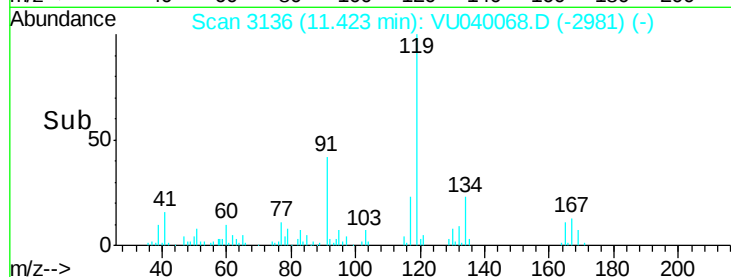
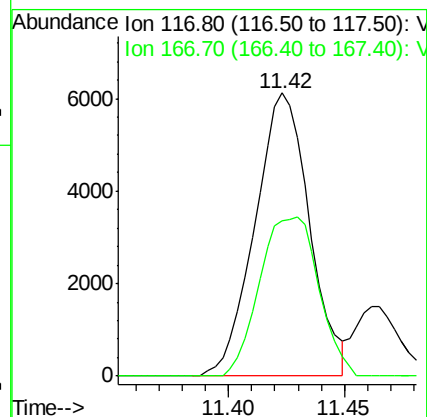
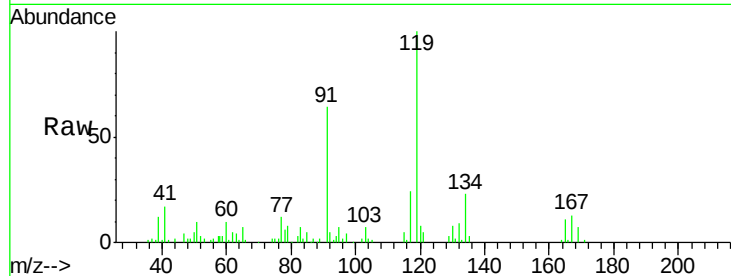
117 100

167 60.8 54.5 81.7

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#62

Hexachloroethane

Concen: 1.815 ug/l

RT: 12.47 min Scan# 3461

Delta R.T. -0.00 min

Lab File: VU040068.D

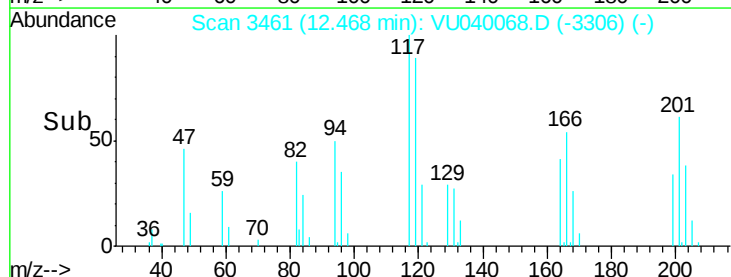
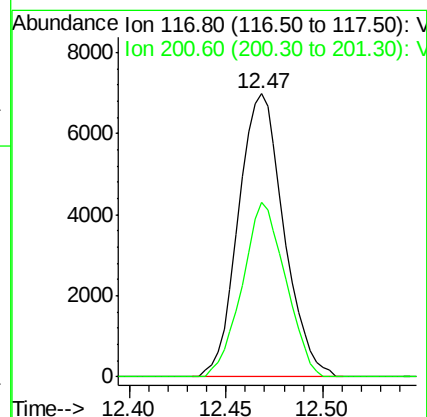
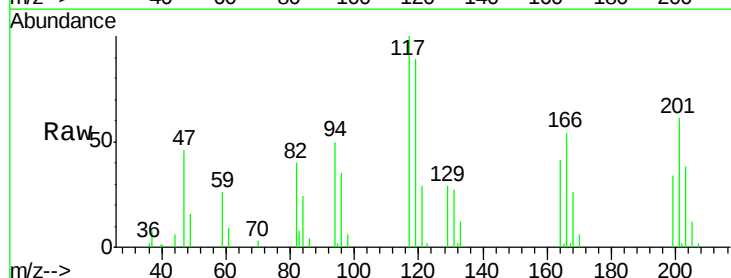
Acq: 09 Sep 2020 18:13

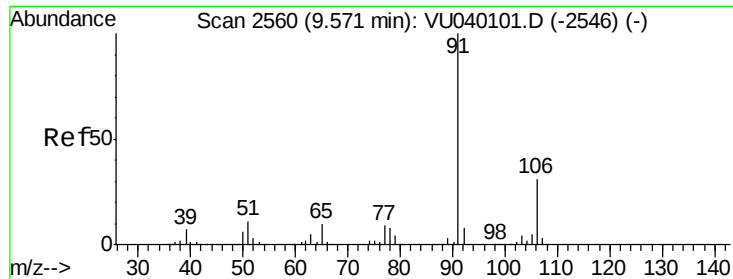
Tgt Ion:117 Resp: 11406

Ion Ratio Lower Upper

117 100

201 58.9 47.0 70.4





#63

Ethyl Benzene

Concen: 1.786 ug/l

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040068.D

Acq: 09 Sep 2020 18:13

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBSD01

Tot Ion: 91 Resp: 60339

Ion Ratio Lower Upper

91 100

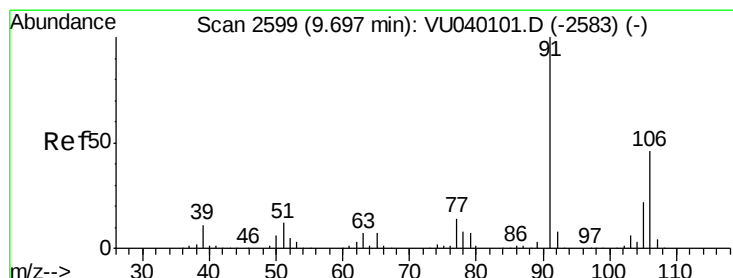
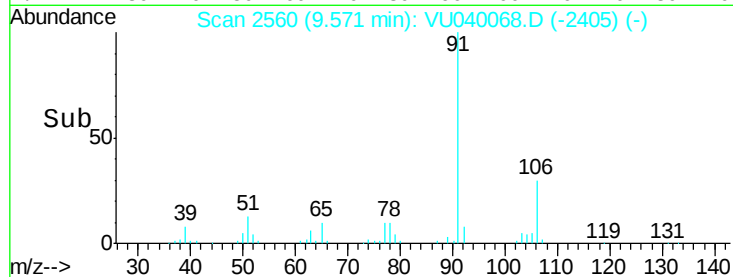
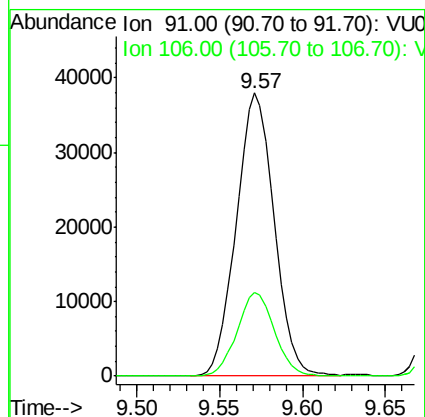
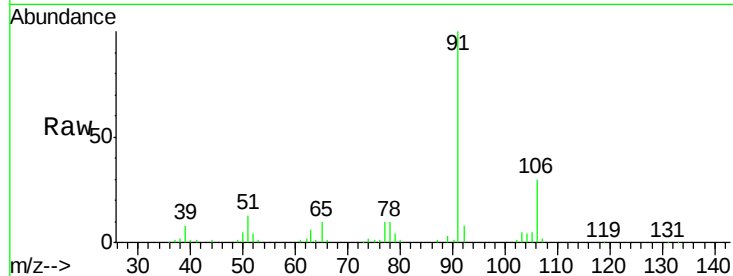
106 29.8 23.8 35.8

Manual Integrations

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#64

m/p-Xylenes

Concen: 3.689 ug/l

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040068.D

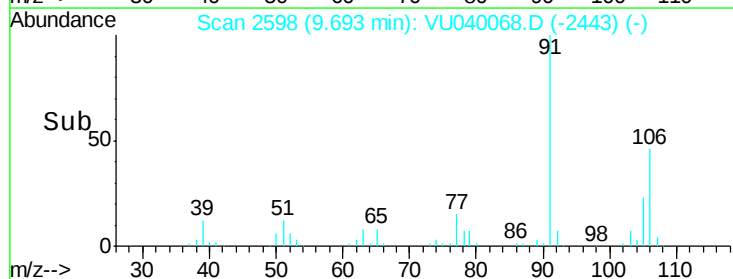
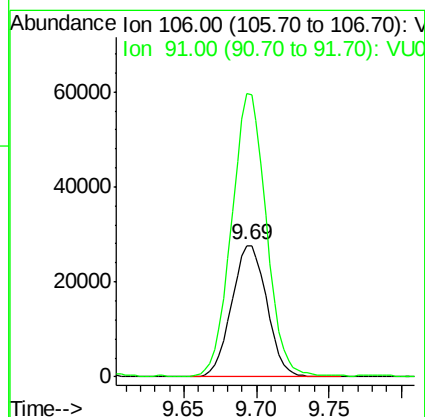
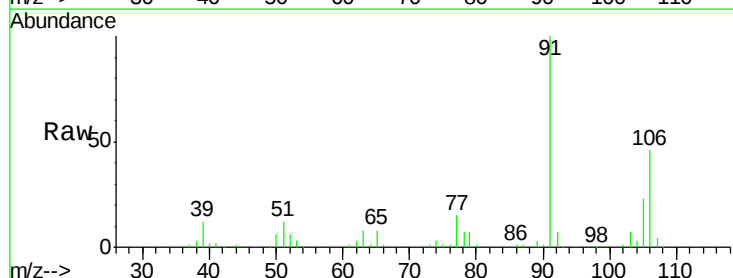
Acq: 09 Sep 2020 18:13

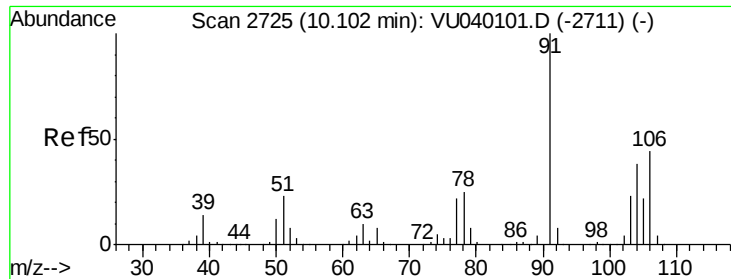
Tgt Ion: 106 Resp: 46579

Ion Ratio Lower Upper

106 100

91 213.7 171.4 257.2





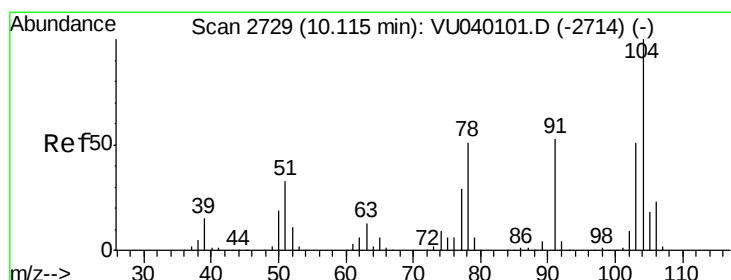
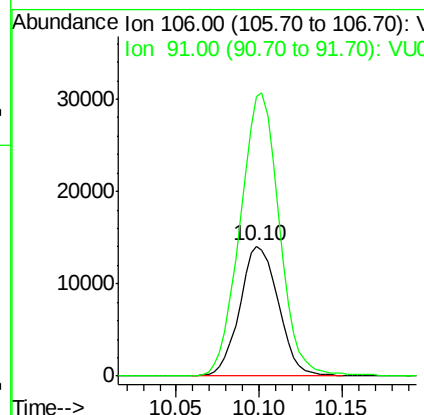
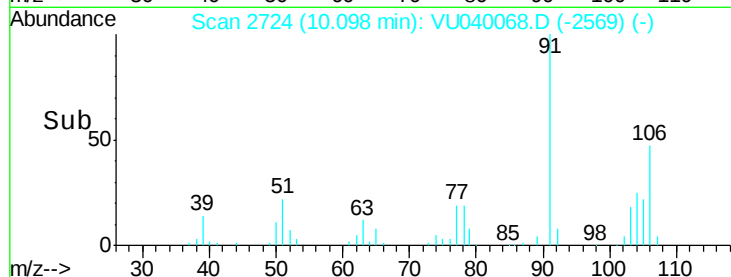
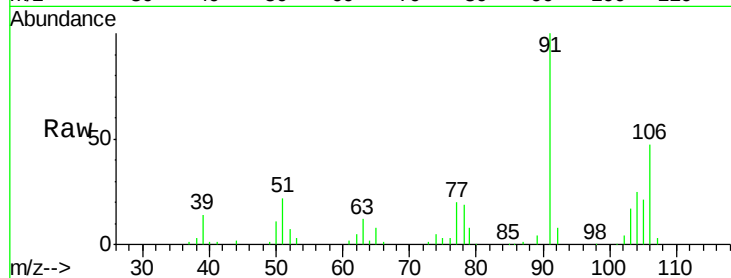
#65
o-Xylene
Concen: 1.872 ug/l
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU040068.D
Acq: 09 Sep 2020 18:13

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBSD01

Tot Ion:106 Resp: 22812
Ion Ratio Lower Upper
106 100
91 221.6 114.2 342.6

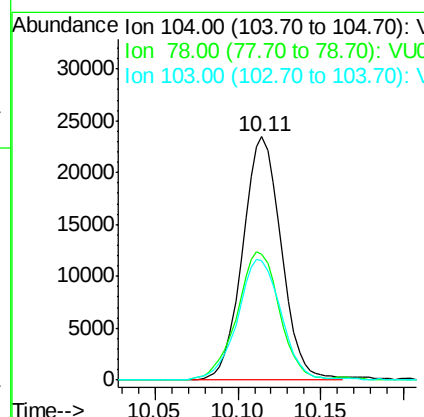
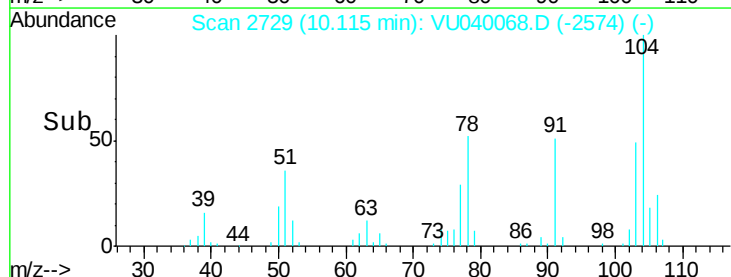
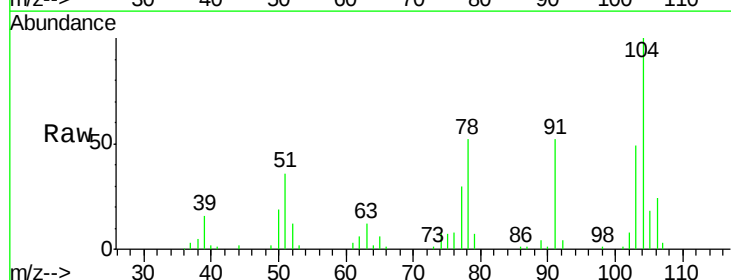
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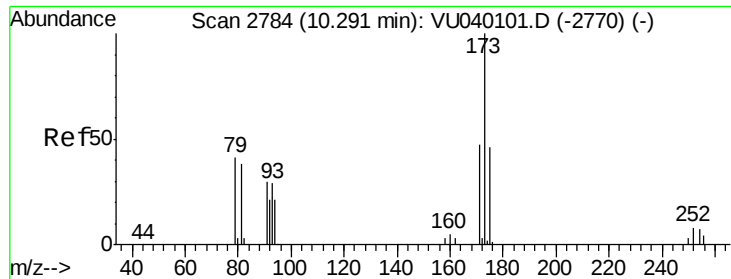
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#66
Styrene
Concen: 1.782 ug/l
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU040068.D
Acq: 09 Sep 2020 18:13

Tgt Ion:104 Resp: 38142
Ion Ratio Lower Upper
104 100
78 58.0 43.9 65.9
103 55.5 43.7 65.5





#67

Bromoform

Concen: 1.984 ug/l

RT: 10.29 min Scan# 2785

Delta R.T. 0.00 min

Lab File: VU040068.D

Acq: 09 Sep 2020 18:13

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBSD01

Tot Ion:173 Resp: 7552

Ion Ratio Lower Upper

173 100

175 46.4 38.0 57.0

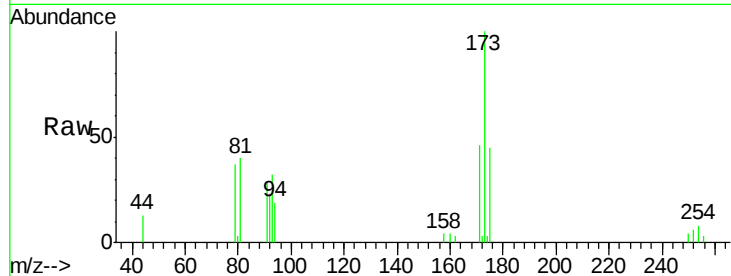
254 7.0 5.8 8.8

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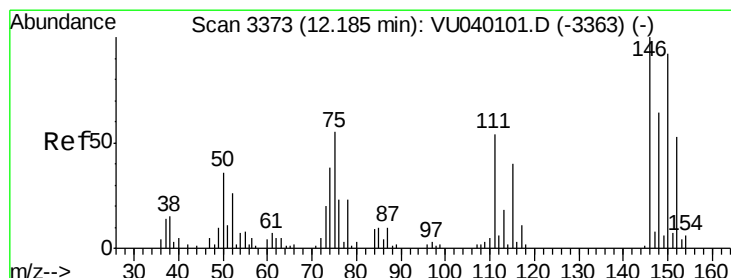
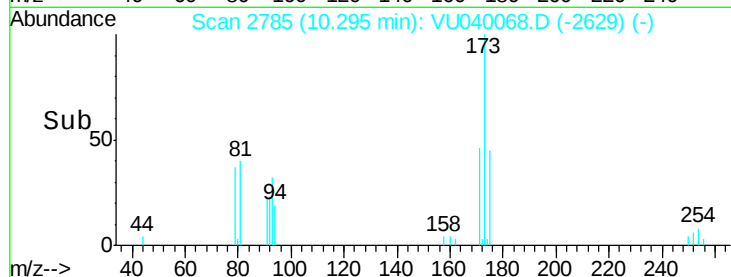
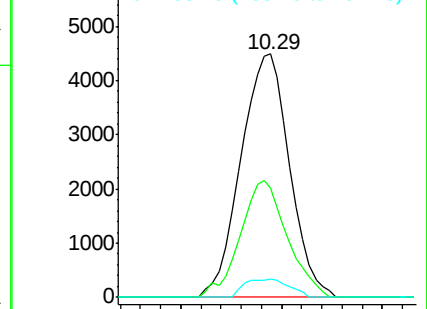
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 0.945 ug/l

RT: 12.19 min Scan# 3374

Delta R.T. -0.00 min

Lab File: VU040068.D

Acq: 09 Sep 2020 18:13

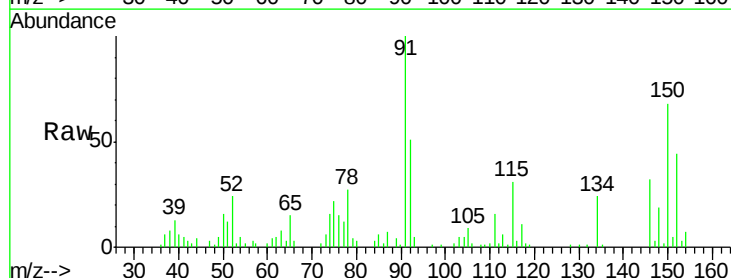
Tgt Ion:152 Resp: 9781

Ion Ratio Lower Upper

152 100

115 93.7 0.0 309.0

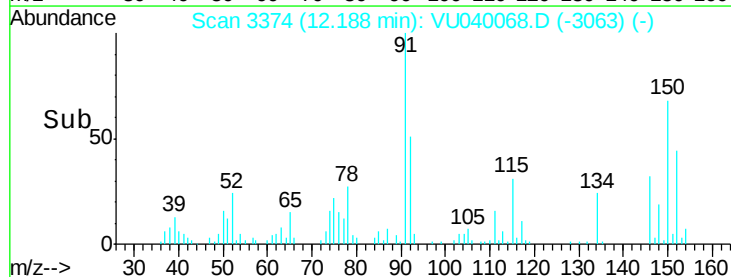
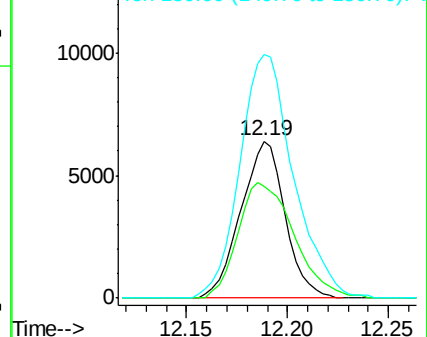
150 189.2 0.0 658.2

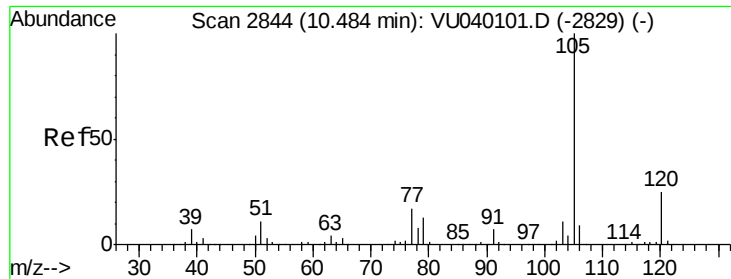


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 1.760 ug/l

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040068.D

Acq: 09 Sep 2020 18:13

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBSD01

Tot Ion: 105 Resp: 59037

Ion Ratio Lower Upper

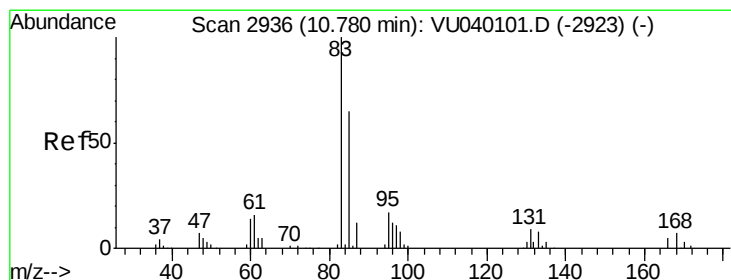
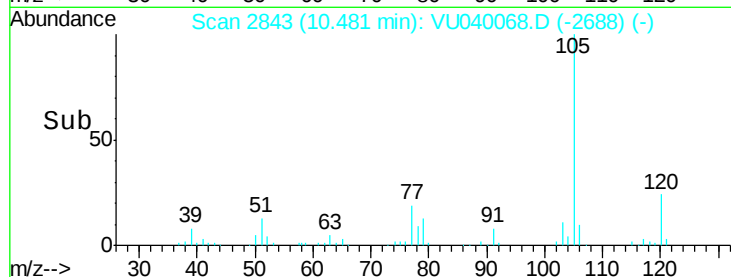
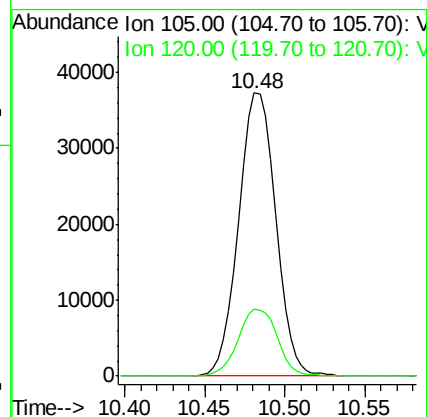
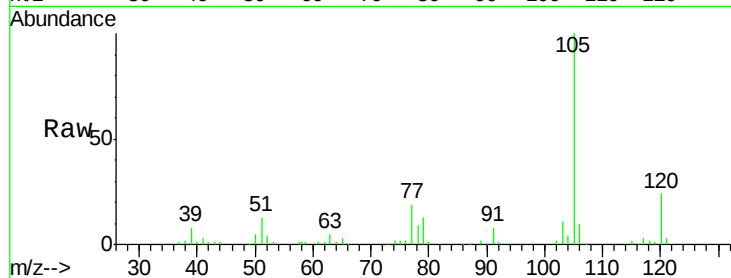
105 100

120 25.1 12.4 37.4

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#70

1,1,2,2-Tetrachloroethane

Concen: 1.858 ug/l

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040068.D

Acq: 09 Sep 2020 18:13

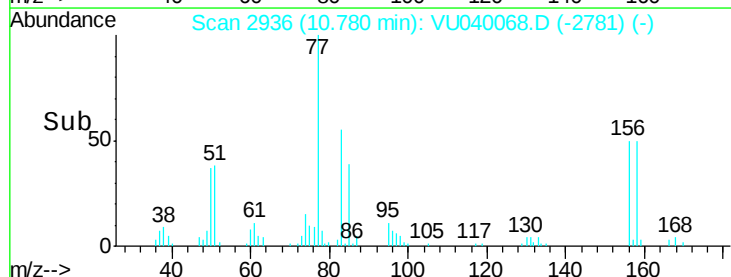
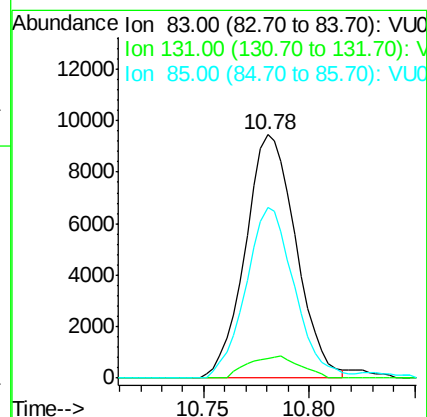
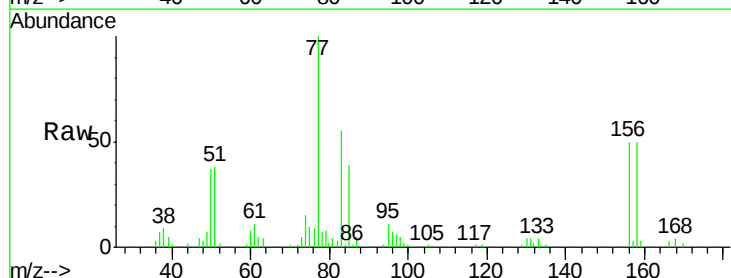
Tgt Ion: 83 Resp: 15733

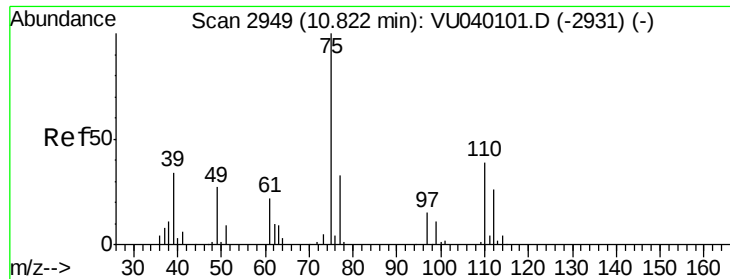
Ion Ratio Lower Upper

83 100

131 9.3 7.5 11.3

85 67.2 49.7 74.5





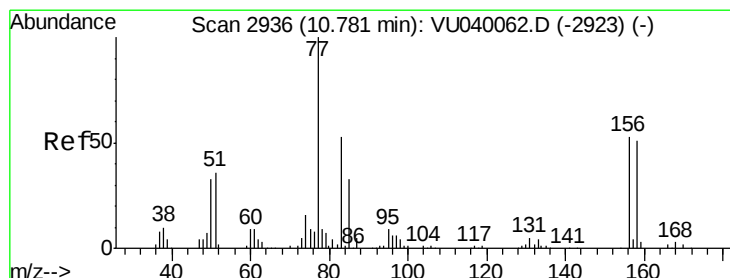
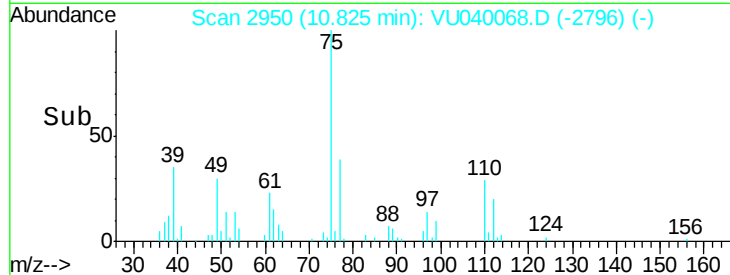
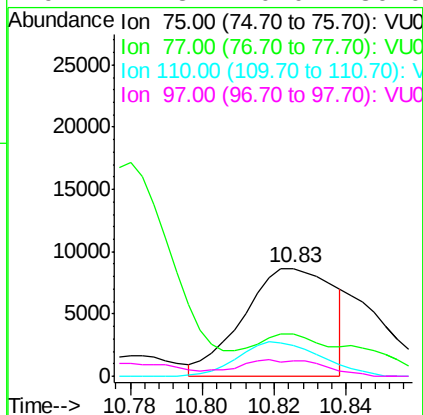
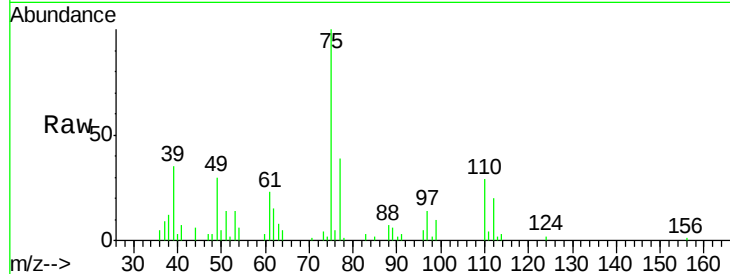
#71
1,2,3-Trichloropropane
Concen: 2.265 ug/l m
RT: 10.83 min Scan# 2950
Delta R.T. -0.00 min
Lab File: VU040068.D
Acq: 09 Sep 2020 18:13

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
75	100			
77	48.6	0.0	111.4	
110	29.5	0.0	70.8	
97	14.3	0.0	36.0	

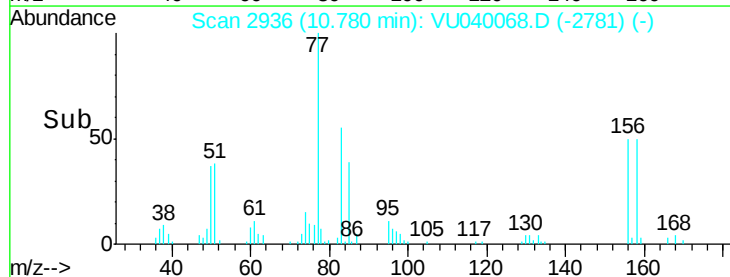
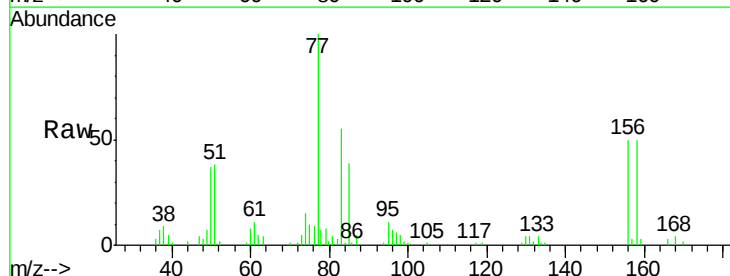
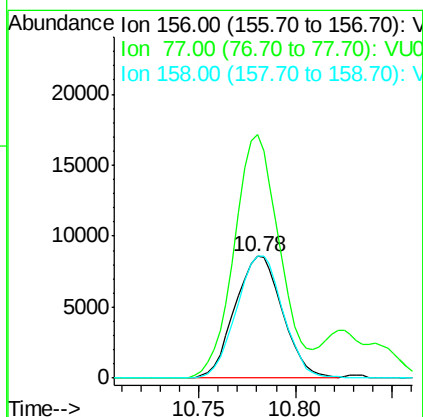
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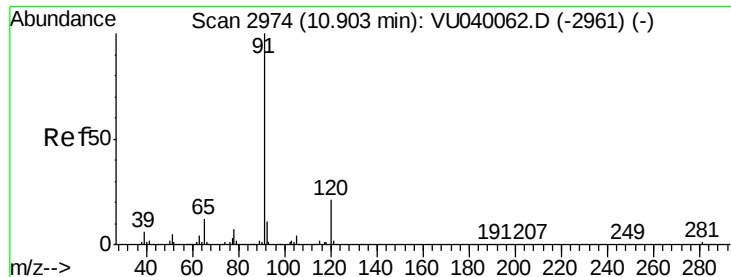
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#72
Bromobenzene
Concen: 1.880 ug/l
RT: 10.78 min Scan# 2936
Delta R.T. -0.00 min
Lab File: VU040068.D
Acq: 09 Sep 2020 18:13

Tgt Ion	Ion	Ratio	Lower	Upper
156	100			
77	191.7	0.0	383.6	
158	97.8	0.0	195.0	





#73

n-propylbenzene

Concen: 1.773 ug/l

RT: 10.91 min Scan# 2975

Delta R.T. 0.00 min

Lab File: VU040068.D

Acq: 09 Sep 2020 18:13

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBSD01

Tot Ion:120 Resp: 16351

Ion Ratio Lower Upper

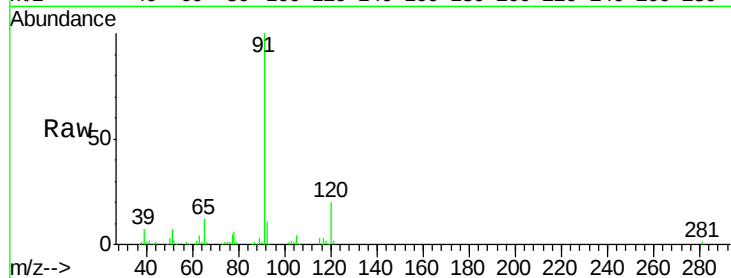
120 100

91 498.9 380.4 570.6

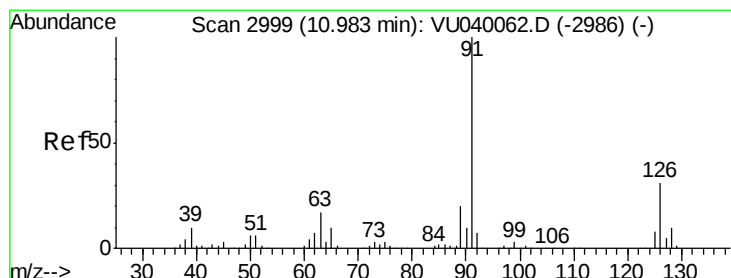
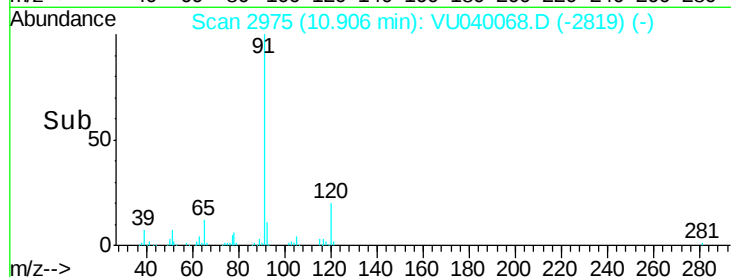
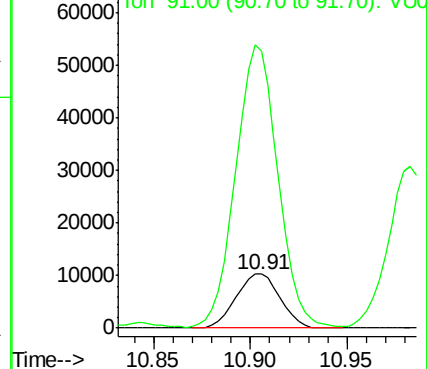
Manual Integrations
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Abundance Ion 120.00 (119.70 to 120.70): V



#74

2-Chlorotoluene

Concen: 1.843 ug/l

RT: 10.98 min Scan# 2999

Delta R.T. -0.00 min

Lab File: VU040068.D

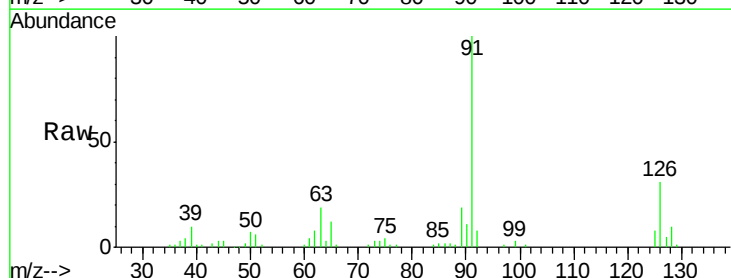
Acq: 09 Sep 2020 18:13

Tgt Ion:126 Resp: 14853

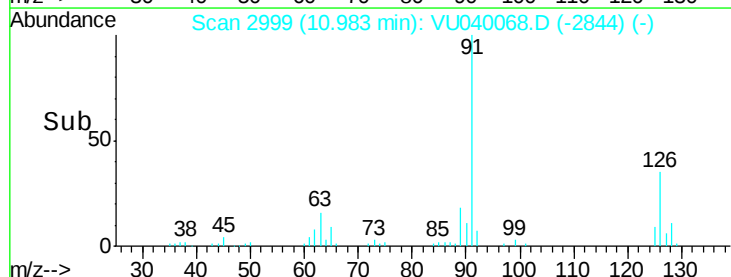
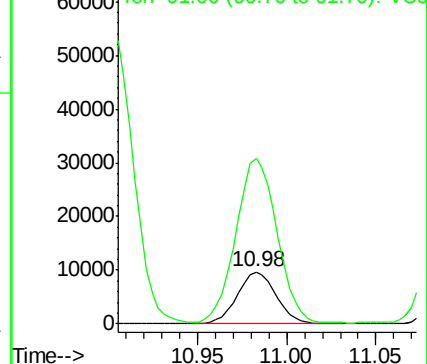
Ion Ratio Lower Upper

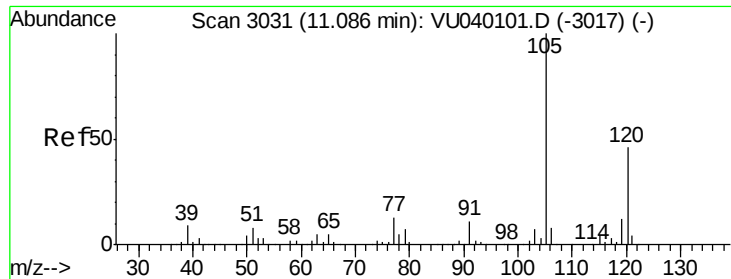
126 100

91 332.7 0.0 649.6



Abundance Ion 126.00 (125.70 to 126.70): V





#75

1,3,5-Trimethylbenzene

Concen: 1.773 ug/l

RT: 11.09 min Scan# 3031

Delta R.T. -0.00 min

Lab File: VU040068.D

Acq: 09 Sep 2020 18:13

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBSD01

Tot Ion:105 Resp: 52098

Ion Ratio Lower Upper

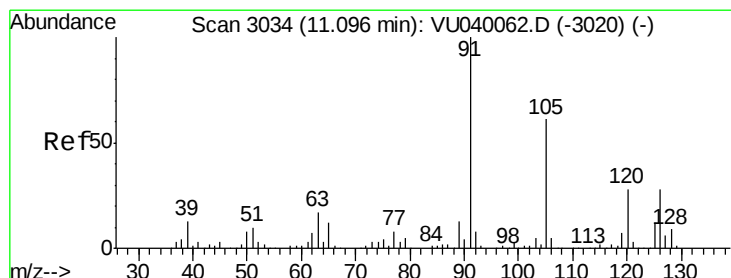
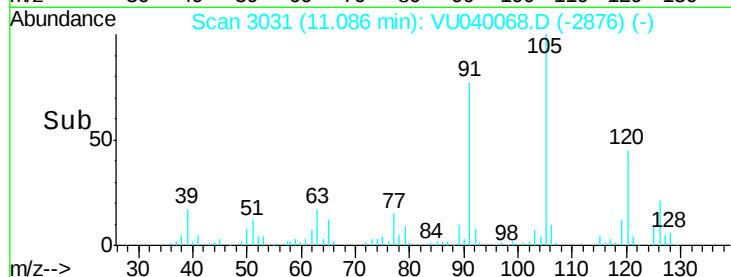
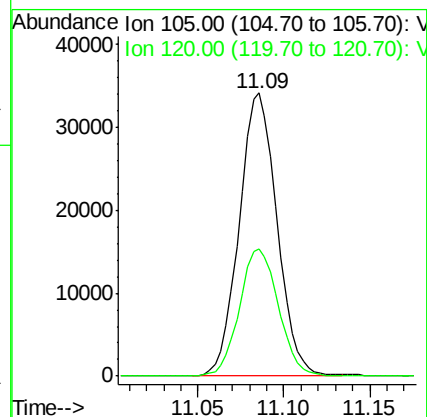
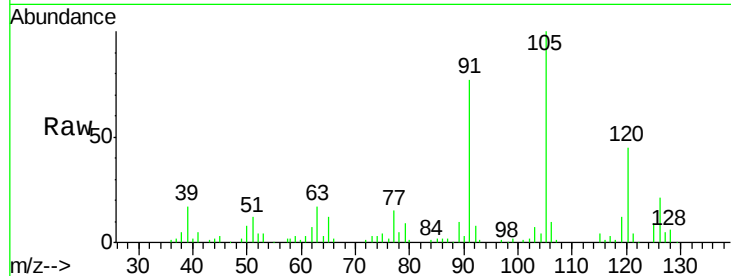
105 100

120 46.4 36.6 55.0

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#76

4-Chlorotoluene

Concen: 1.940 ug/l

RT: 11.10 min Scan# 3034

Delta R.T. -0.00 min

Lab File: VU040068.D

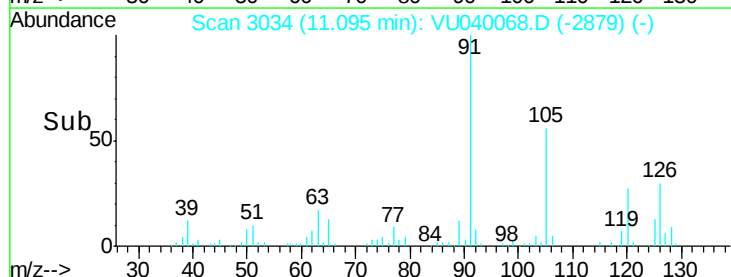
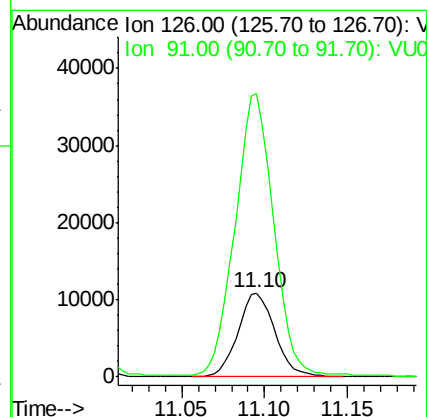
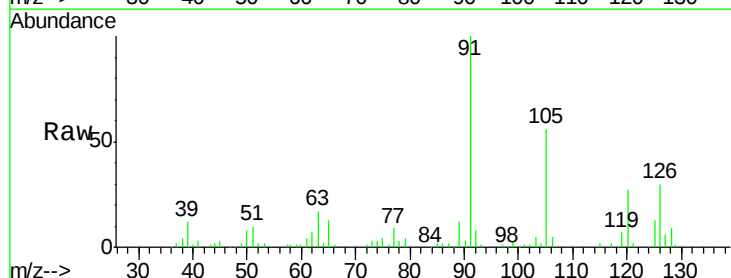
Acq: 09 Sep 2020 18:13

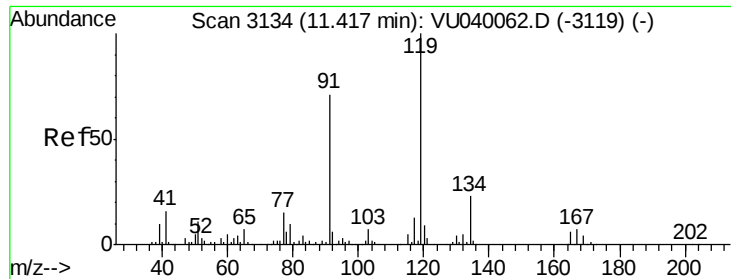
Tgt Ion:126 Resp: 16854

Ion Ratio Lower Upper

126 100

91 349.2 0.0 735.6





#77

tert-Butylbenzene

Concen: 1.773 ug/l

RT: 11.42 min Scan# 3134

Delta R.T. -0.00 min

Lab File: VU040068.D

Acq: 09 Sep 2020 18:13

Instrument :

MSVOA_U

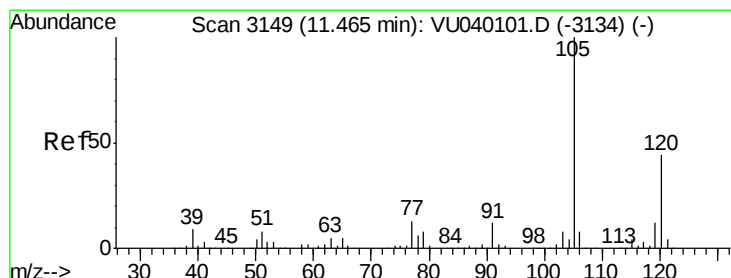
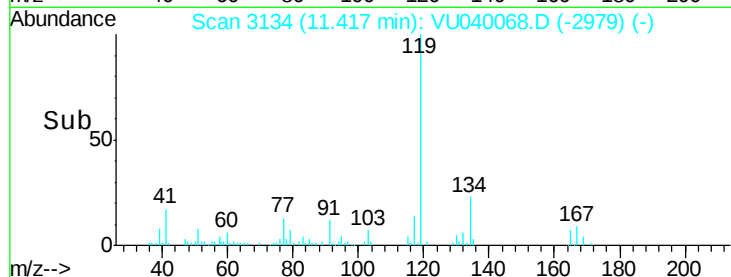
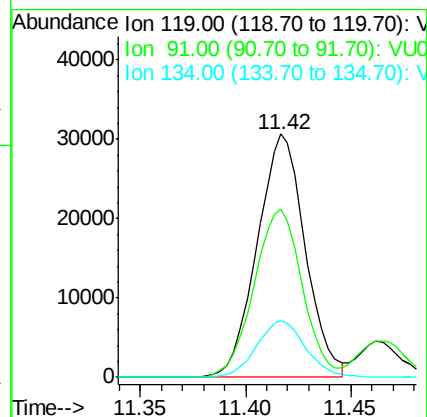
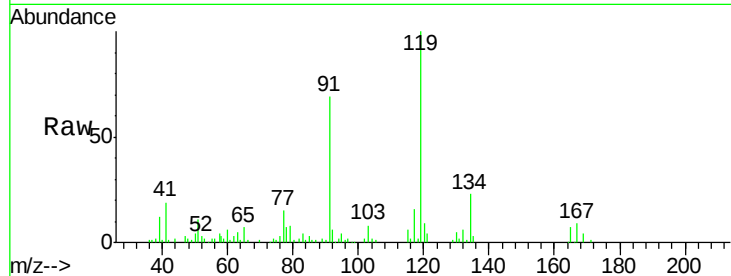
ClientSampleId :

VU0909WBSD01

Tot Ion:	119	Resp:	48452
Ion Ratio	Lower	Upper	
119	100		
91	69.3	34.2	102.5
134	23.5	18.2	27.4

Manual Integrations
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#78

1,2,4-Trimethylbenzene

Concen: 1.800 ug/l

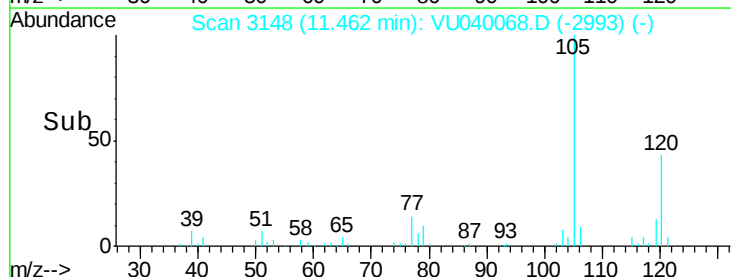
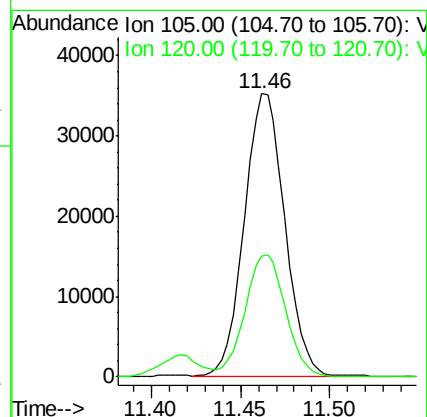
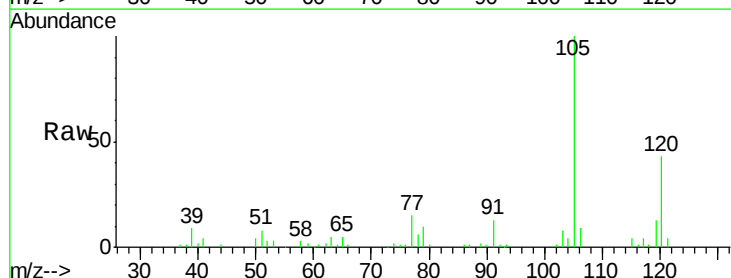
RT: 11.46 min Scan# 3148

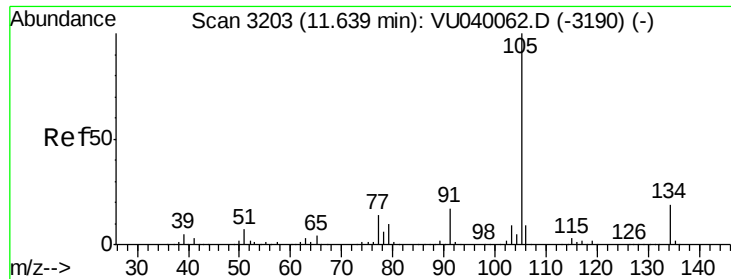
Delta R.T. -0.00 min

Lab File: VU040068.D

Acq: 09 Sep 2020 18:13

Tgt Ion:	105	Resp:	55473
Ion Ratio	Lower	Upper	
105	100		
120	43.5	21.9	65.5





#79

sec-Butylbenzene

Concen: 1.808 ug/l

RT: 11.64 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VU040068.D

Acq: 09 Sep 2020 18:13

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBSD01

Tot Ion: 105 Resp: 71571

Ion Ratio Lower Upper

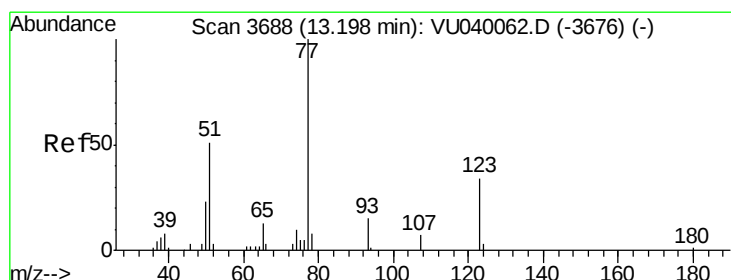
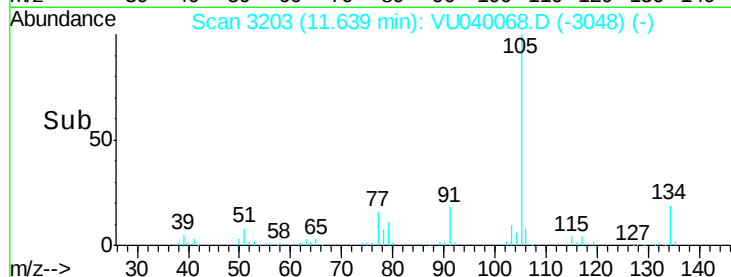
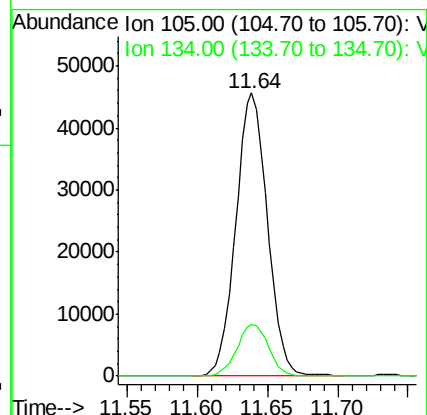
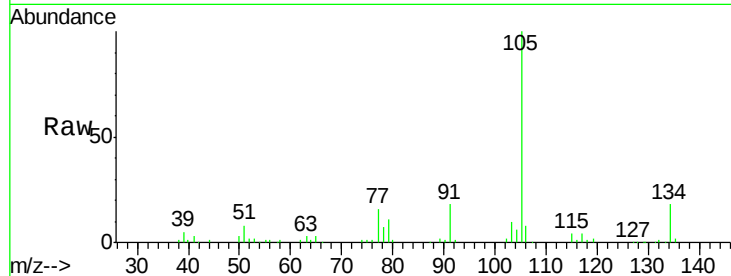
105 100

134 18.3 15.0 22.4

Manual Integrations
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#80

Nitrobenzene

Concen: 8.669 ug/l

RT: 13.20 min Scan# 3690

Delta R.T. 0.01 min

Lab File: VU040068.D

Acq: 09 Sep 2020 18:13

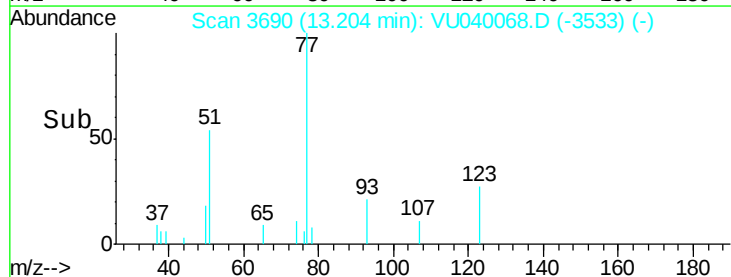
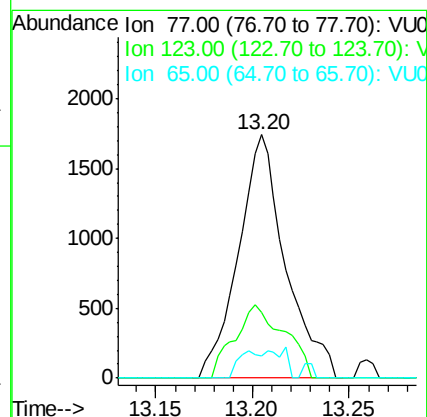
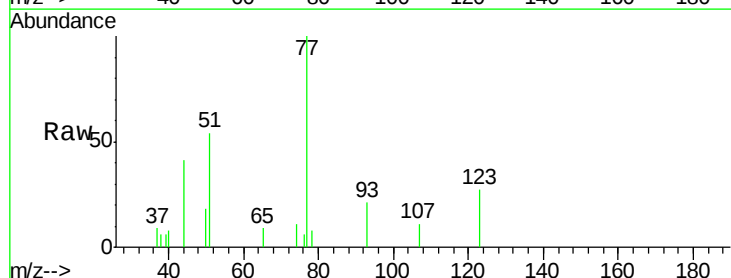
Tgt Ion: 77 Resp: 2944

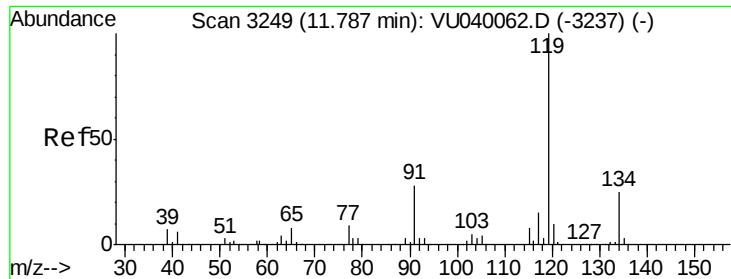
Ion Ratio Lower Upper

77 100

123 32.0 16.4 58.0

65 5.4 12.5 15.9#





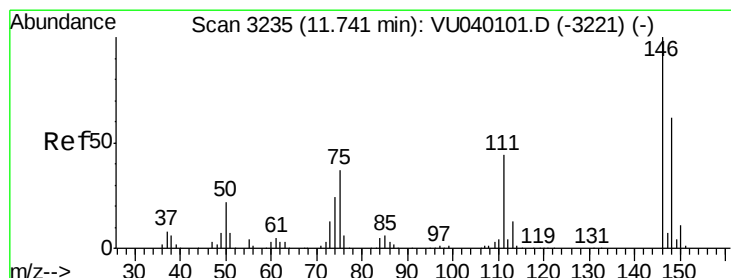
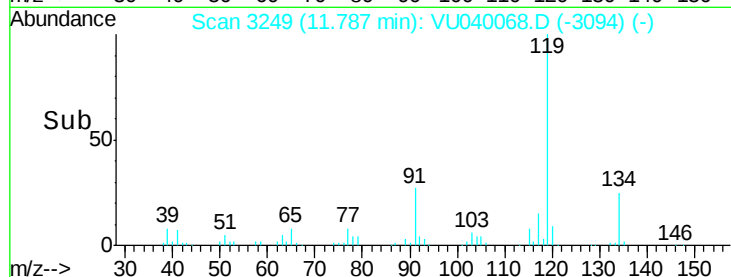
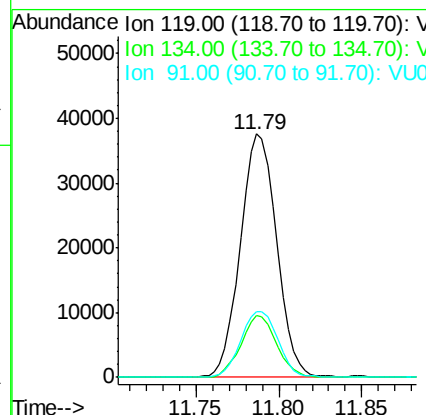
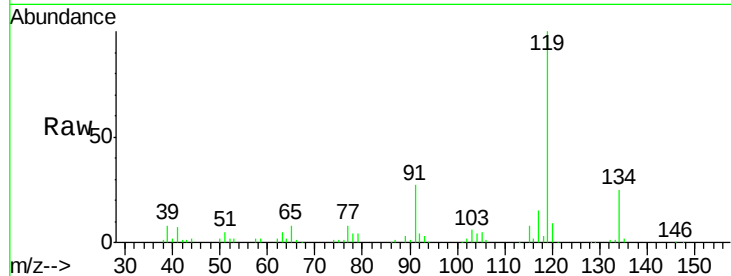
#81
 p-Isopropyltoluene
 Concen: 1.820 ug/l
 RT: 11.79 min Scan# 3249
 Delta R.T. -0.00 min
 Lab File: VU040068.D
 Acq: 09 Sep 2020 18:13

Instrument :
 MSVOA_U
 ClientSampleID :
 VU0909WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.7	20.3	30.5
91	27.8	22.2	33.2

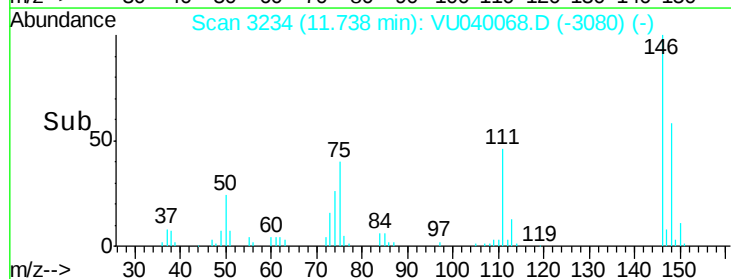
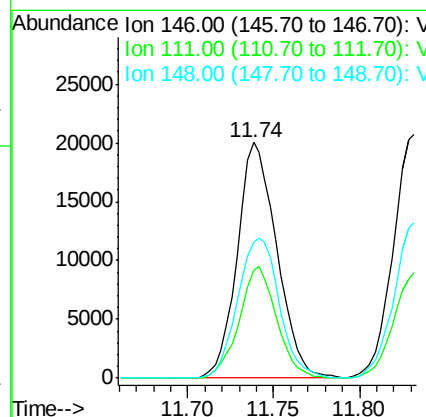
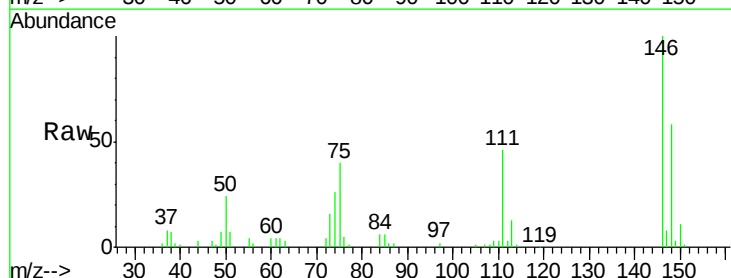
Manual Integrations
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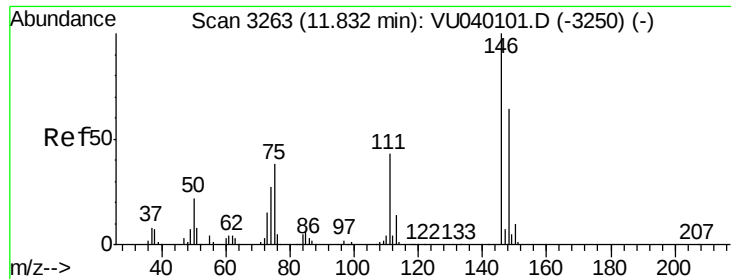
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#82
 1,3-Dichlorobenzene
 Concen: 1.862 ug/l
 RT: 11.74 min Scan# 3234
 Delta R.T. -0.00 min
 Lab File: VU040068.D
 Acq: 09 Sep 2020 18:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.7	35.4	53.0
148	62.4	49.7	74.5





#83

1,4-Dichlorobenzene

Concen: 1.942 ug/l

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU040068.D

Acq: 09 Sep 2020 18:13

Instrument :

MSVOA_U

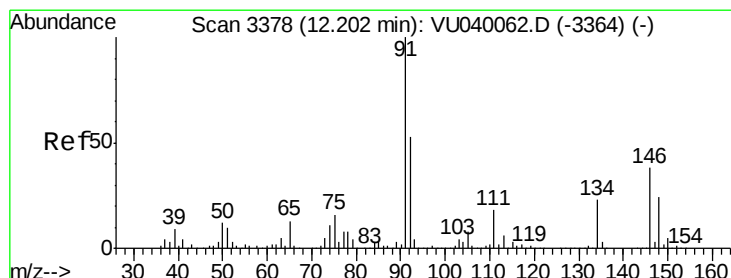
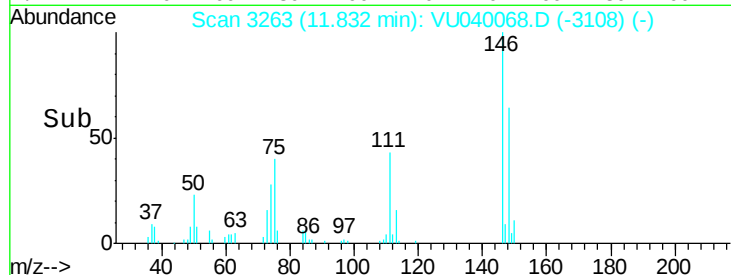
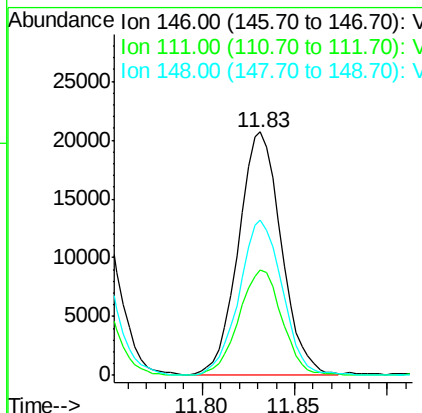
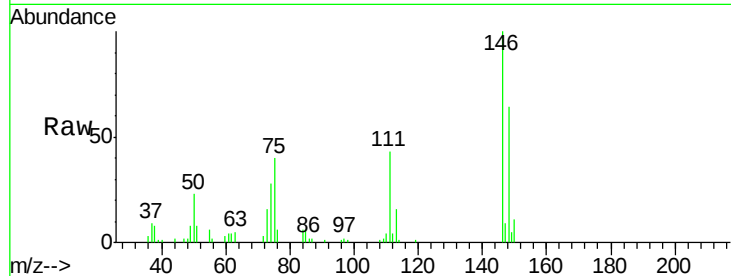
ClientSampleId :

VU0909WBSD01

Tot Ion:	146	Resp:	33259
Ion Ratio	Lower	Upper	
146	100		
111	43.6	34.2	51.2
148	64.3	50.2	75.2

Manual Integrations
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#84

n-Butylbenzene

Concen: 1.790 ug/l

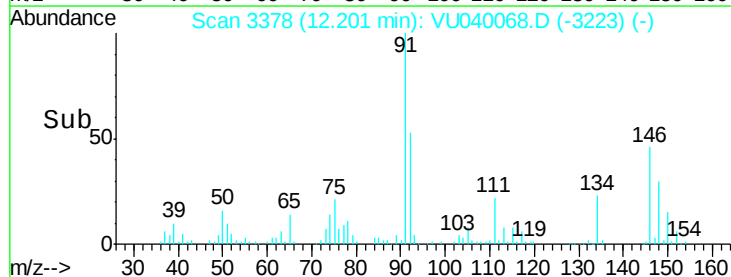
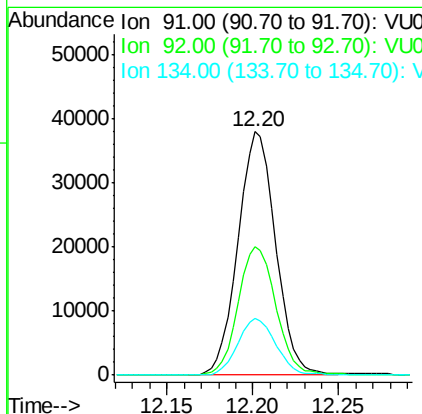
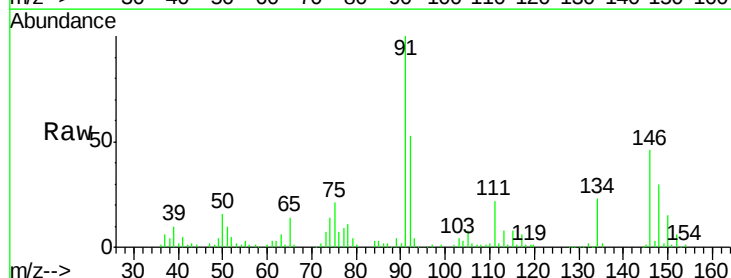
RT: 12.20 min Scan# 3378

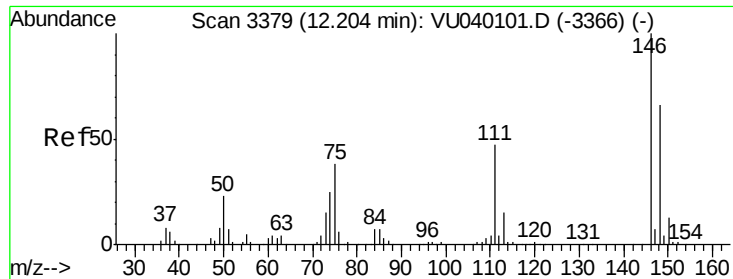
Delta R.T. -0.00 min

Lab File: VU040068.D

Acq: 09 Sep 2020 18:13

Tgt Ion:	91	Resp:	57977
Ion Ratio	Lower	Upper	
91	100		
92	52.8	43.0	64.4
134	23.3	18.6	27.8





#85

1,2-Dichlorobenzene

Concen: 1.894 ug/l

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU040068.D

Acq: 09 Sep 2020 18:13

Instrument :

MSVOA_U

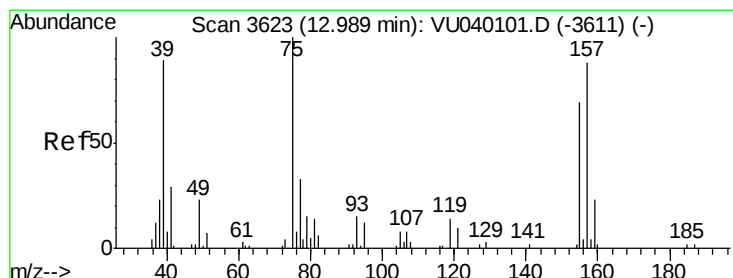
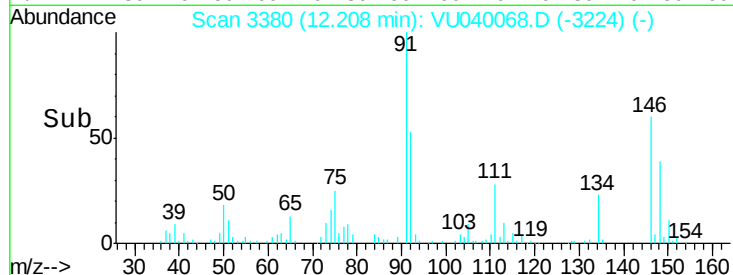
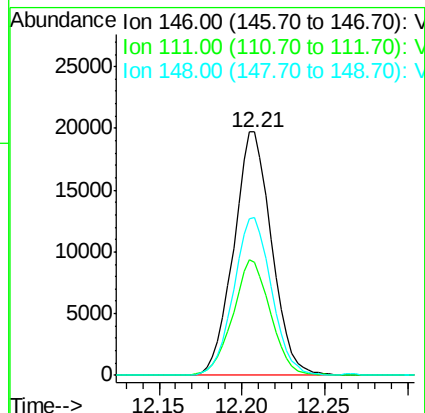
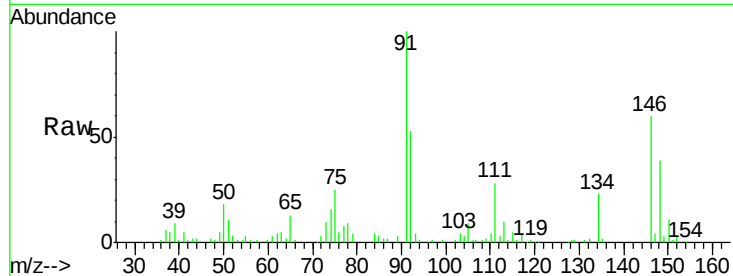
ClientSampleId :

VU0909WBSD01

Tot Ion:	146	Resp:	31389
Ion Ratio	Lower	Upper	
146	100		
111	46.9	22.9	68.7
148	64.7	31.1	93.2

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#86

1,2-Dibromo-3-Chloropropane

Concen: 1.772 ug/l

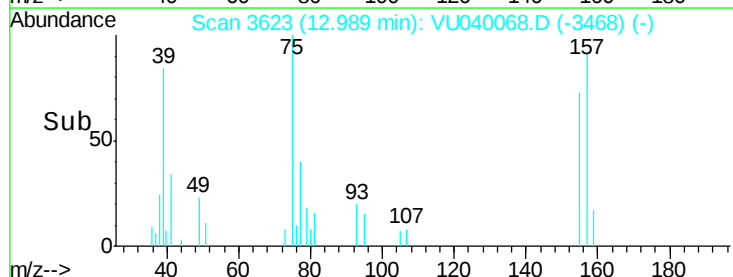
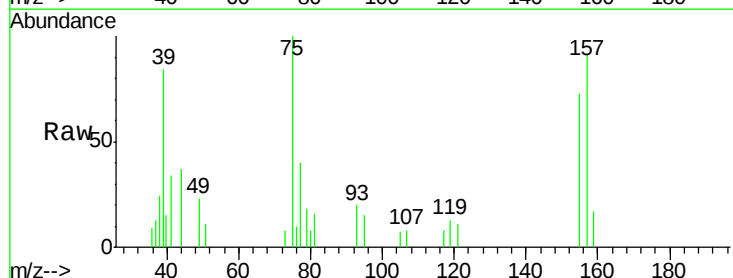
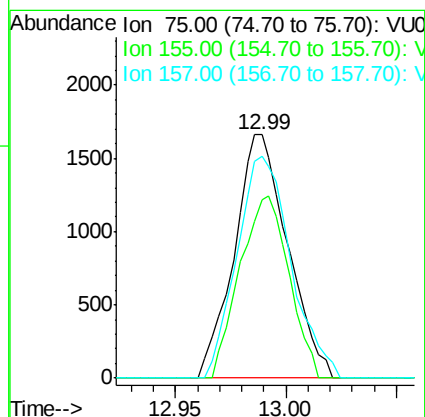
RT: 12.99 min Scan# 3623

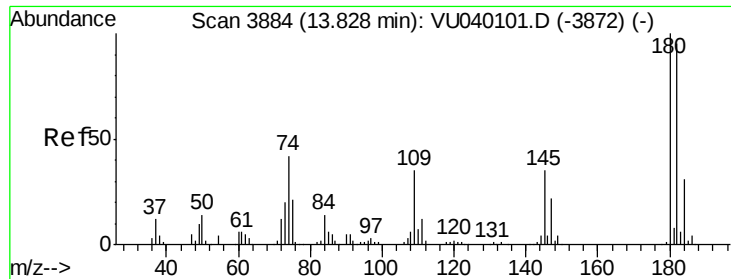
Delta R.T. -0.00 min

Lab File: VU040068.D

Acq: 09 Sep 2020 18:13

Tgt Ion:	75	Resp:	2792
Ion Ratio	Lower	Upper	
75	100		
155	68.8	53.4	80.0
157	92.3	65.8	98.8





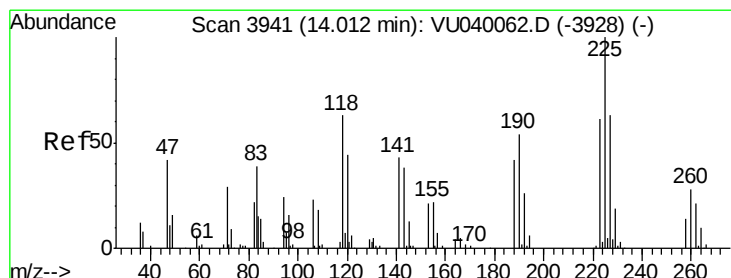
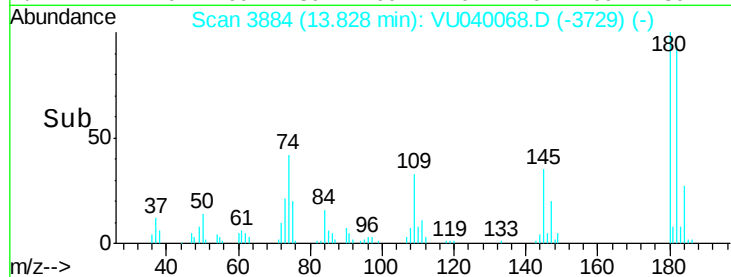
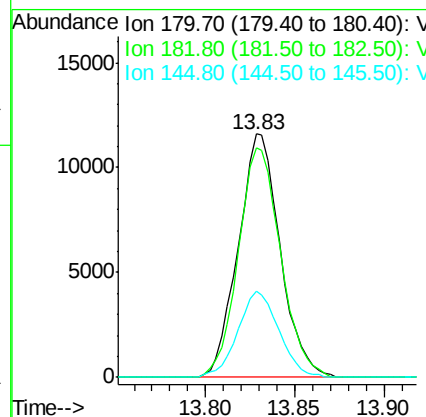
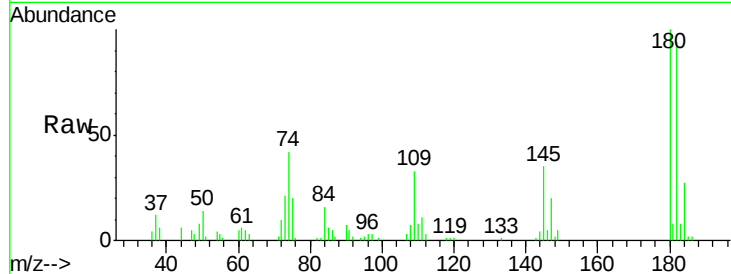
#87
 1,2,4-Trichlorobenzene
 Concen: 1.980 ug/l
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040068.D
 Acq: 09 Sep 2020 18:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0909WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.0	112.4
145	34.6	27.7	41.5

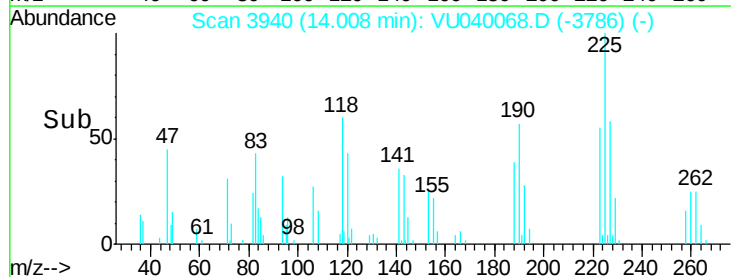
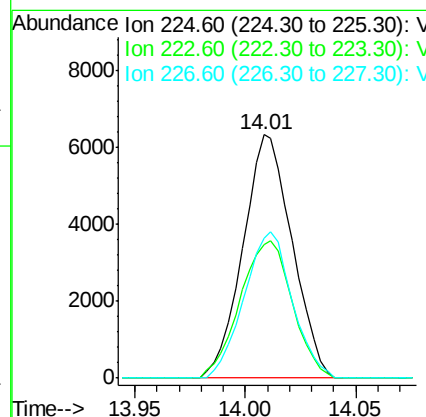
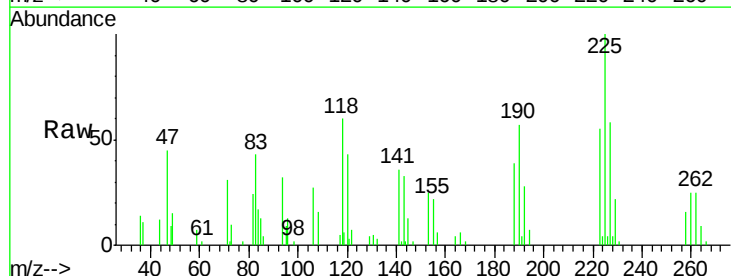
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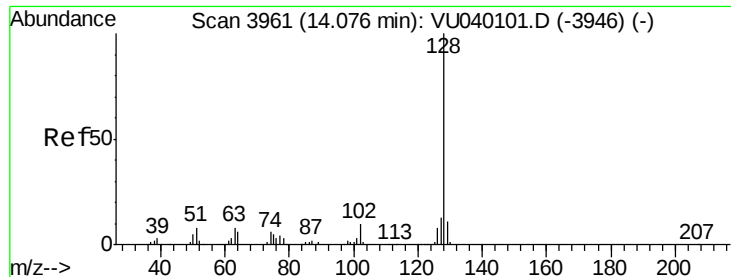
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#88
 Hexachlorobutadiene
 Concen: 1.974 ug/l
 RT: 14.01 min Scan# 3940
 Delta R.T. -0.00 min
 Lab File: VU040068.D
 Acq: 09 Sep 2020 18:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.1	50.7	76.1
227	59.1	51.1	76.7





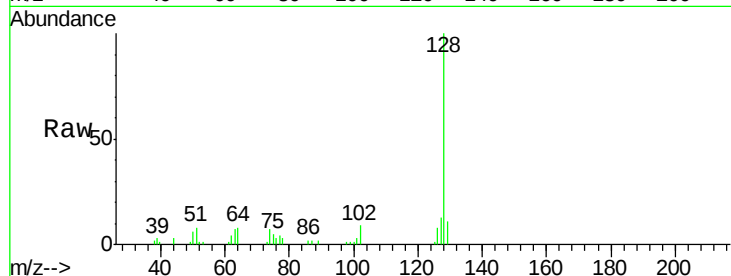
#89
Naphthalene
Concen: 1.798 ug/l
RT: 14.08 min Scan# 3961
Delta R.T. -0.00 min
Lab File: VU040068.D
Acq: 09 Sep 2020 18:13

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBSD01

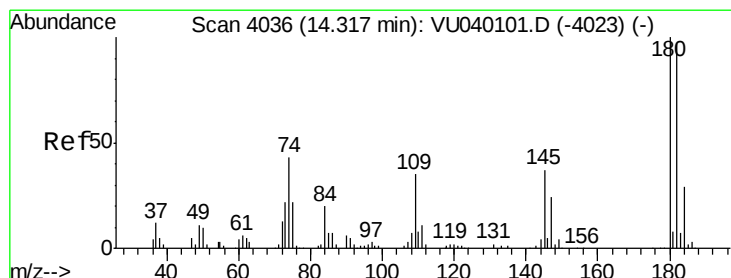
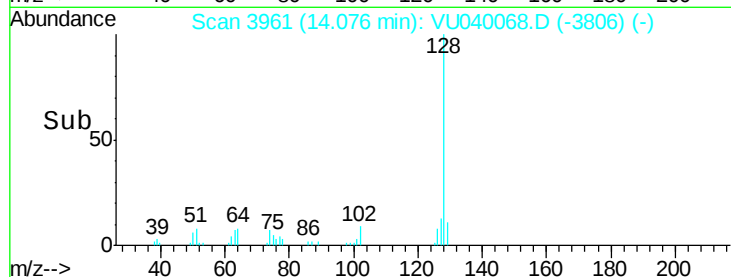
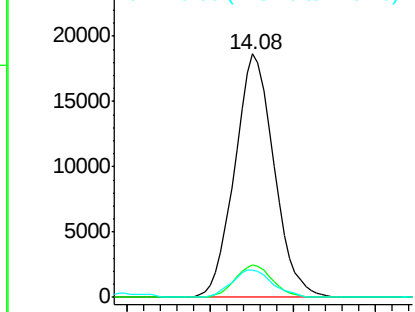
Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.3	15.5
129	11.5	8.3	12.5

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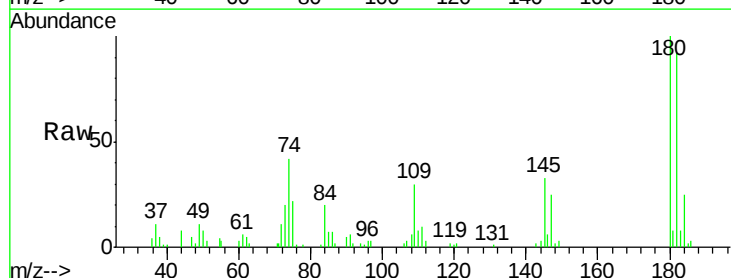


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#90
1,2,3-Trichlorobenzene
Concen: 1.830 ug/l
RT: 14.32 min Scan# 4037
Delta R.T. -0.00 min
Lab File: VU040068.D
Acq: 09 Sep 2020 18:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	76.0	114.0
145	33.7	30.6	45.8



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

