

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090920\
 Data File : VU040067.D
 Acq On : 09 Sep 2020 17:44
 Operator : SY/MD
 Sample : VU0909WBS01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0909WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/17/2020 4:47:33 PM

Quant Time: Sep 10 04:31:05 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	27189	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.63	95	9755	0.88	ug/l	0.00
Spiked Amount 1.000			Recovery	=	88.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	9691	0.95	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.39	85	15652	2.027	ug/l	97
3) Chloromethane	1.53	50	16063	1.967	ug/l	97
4) Vinyl Chloride	1.61	62	16073	2.002	ug/l	99
5) Bromomethane	1.87	94	12010	2.010	ug/l	94
6) Chloroethane	1.94	64	9842	1.858	ug/l	91
7) Trichlorofluoromethane	2.15	101	24112	2.000	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	13470	1.937	ug/l	95
9) 1,1-Dichloroethene	2.59	96	12002	2.041	ug/l	97
10) Iodomethane	2.74	142	8338	1.880	ug/l	95
11) Allyl Chloride	2.94	41	22945	1.975	ug/l	99
12) Acrylonitrile	3.34	53	7753	3.792	ug/l #	88
13) Acetone	2.66	43	20370	10.871	ug/l	93
14) Carbon Disulfide	2.81	76	32845	2.011	ug/l	100
15) Methylene Chloride	3.06	84	16086	1.746	ug/l	98
16) trans-1,2-Dichloroethene	3.37	96	13804	2.162	ug/l	98
17) 1,1-Dichloroethane	3.89	63	27760	1.993	ug/l	98
18) 2-Butanone	4.75	43	31137	10.895	ug/l	98
19) Cyclohexane	5.39	56	22688m	1.961	ug/l	
20) Methylcyclohexane	6.77	83	19149	1.786	ug/l	96
21) 2,2-Dichloropropane	4.68	77	25808	1.951	ug/l	98
22) cis-1,2-Dichloroethene	4.69	96	14404	1.937	ug/l	95
23) Diethyl Ether	2.39	59	10763	1.932	ug/l	99
24) tert-Butyl Alcohol	3.26	59	12449m	16.602	ug/l	
25) Methyl tert-Butyl Ether	3.38	73	39344	2.006	ug/l	99
26) Bromochloromethane	5.00	128	6639	2.055	ug/l	98
27) Chloroform	5.11	83	29083	2.056	ug/l	98
28) 1,1,1-Trichloroethane	5.33	97	24629	2.002	ug/l	98
29) 1,1-Dichloropropene	5.54	75	21260	2.032	ug/l	98
30) Carbon Tetrachloride	5.54	117	21900	1.963	ug/l	98
31) Isopropyl Ether	4.02	45	46618	1.944	ug/l	100
32) Ethyl-t-butyl ether	4.53	59	43800	2.015	ug/l	97
33) Tert-Amyl methyl ether	5.97	73	35723	1.867	ug/l	100
34) Propionitrile	4.82	54	7983	11.033	ug/l #	82
35) Benzene	5.79	78	58651	2.024	ug/l	99
36) 1,2-Dichloroethane	5.81	62	24254	2.151	ug/l	99
37) Trichloroethene	6.55	130	14465	1.963	ug/l	97
38) 1,2-Dichloropropane	6.81	63	16503	1.967	ug/l	96
39) Methacrylonitrile	5.01	41	7504	1.938	ug/l	99
40) Methyl acrylate	4.87	55	9245	1.862	ug/l #	95
41) Tetrahydrofuran	5.10	42	7931	4.264	ug/l	89
42) 1-Chlorobutane	5.47	56	31728	2.052	ug/l	100

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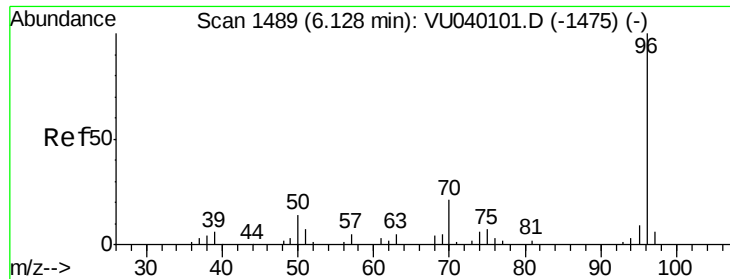
Manual Integrations
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Quant Time: Sep 10 04:31:05 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.93	93	8912	1.838	ug/l	95
44) Bromodichloromethane	7.12	83	23359	2.007	ug/l	92
45) 4-Methyl-2-Pentanone	7.81	43	62057	9.395	ug/l	99
46) t-1,4-Dichloro-2-butene	10.84	75	5297m	2.096	ug/l	
47) Methyl methacrylate	6.98	69	15965	3.841	ug/l	96
48) Ethyl methacrylate	8.34	69	13925	1.844	ug/l	99
49) Toluene	7.97	92	32389	1.849	ug/l	97
50) t-1,3-Dichloropropene	8.22	75	19543	1.861	ug/l #	87
51) cis-1,3-Dichloropropene	7.62	75	21729	1.859	ug/l	95
52) 1,1,2-Trichloroethane	8.41	97	12328	1.985	ug/l	96
53) 1,3-Dichloropropane	8.58	76	22059	1.978	ug/l	97
54) 2-Hexanone	8.70	43	44168	9.223	ug/l	95
55) Dibromochloromethane	8.82	129	13940	1.923	ug/l	96
56) 1,2-Dibromoethane	8.93	107	11067	1.908	ug/l	100
58) Tetrachloroethene	8.56	164	14092	1.971	ug/l	95
59) Chlorobenzene	9.45	112	36756	1.892	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.54	131	14219	1.999	ug/l	98
61) Pentachloroethane	11.42	117	9658	1.991	ug/l	97
62) Hexachloroethane	12.47	117	11503	1.866	ug/l	96
63) Ethyl Benzene	9.57	91	62209	1.877	ug/l	98
64) m/p-Xylenes	9.69	106	46259	3.736	ug/l	97
65) o-Xylene	10.10	106	22811	1.908	ug/l	99
66) Styrene	10.11	104	38768	1.846	ug/l	97
67) Bromoform	10.29	173	7104	1.903	ug/l	99
69) Isopropylbenzene	10.48	105	60682	1.844	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.78	83	17033	2.051	ug/l	98
71) 1,2,3-Trichloropropane	10.83	75	15822m	2.454	ug/l	
72) Bromobenzene	10.78	156	14443	1.882	ug/l	94
73) n-propylbenzene	10.91	120	16550	1.830	ug/l	98
74) 2-Chlorotoluene	10.98	126	14976	1.895	ug/l	94
75) 1,3,5-Trimethylbenzene	11.09	105	54416	1.888	ug/l	99
76) 4-Chlorotoluene	11.10	126	17080	2.004	ug/l	94
77) tert-Butylbenzene	11.42	119	49928	1.863	ug/l	100
78) 1,2,4-Trimethylbenzene	11.46	105	56075	1.856	ug/l	99
79) sec-Butylbenzene	11.64	105	72658	1.872	ug/l	99
80) Nitrobenzene	13.20	77	2637	7.917	ug/l #	95
81) p-Isopropyltoluene	11.79	119	58738	1.900	ug/l	100
82) 1,3-Dichlorobenzene	11.74	146	32326	1.912	ug/l	97
83) 1,4-Dichlorobenzene	11.83	146	35858	2.135	ug/l	100
84) n-Butylbenzene	12.20	91	59385	1.869	ug/l	96
85) 1,2-Dichlorobenzene	12.21	146	33375	2.053	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	12.99	75	2944	1.905	ug/l	95
87) 1,2,4-Trichlorobenzene	13.83	180	21009	2.239	ug/l	96
88) Hexachlorobutadiene	14.01	225	9562	1.970	ug/l	98
89) Naphthalene	14.08	128	29919	1.787	ug/l	98
90) 1,2,3-Trichlorobenzene	14.32	180	15425	1.765	ug/l	98

(#) = 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: VU040067.D

Acq: 09 Sep 2020 17:44

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBS01

Tot Ion: 96 Resp: 27189

Ion Ratio Lower Upper

96 100

70 23.0 17.1 25.7

95 9.4 7.6 11.4

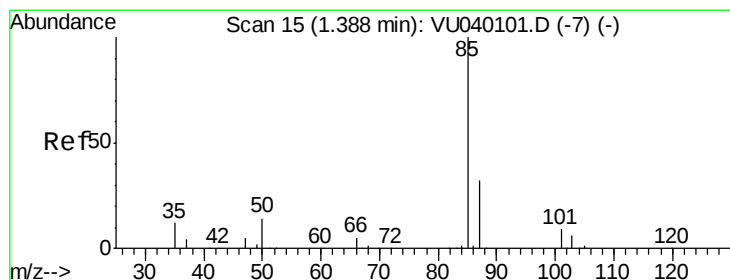
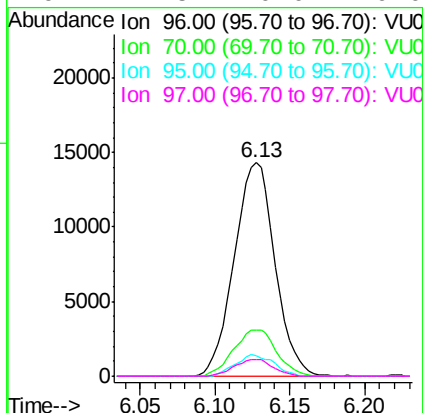
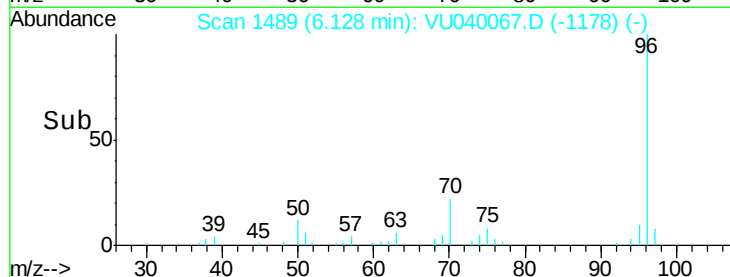
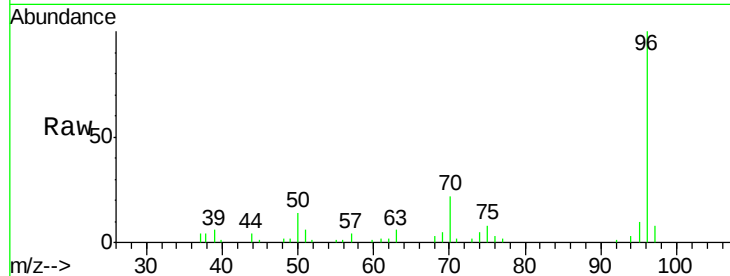
97 7.5 0.0 0.0#

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#2

Dichlorodifluoromethane

Concen: 2.027 ug/l

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040067.D

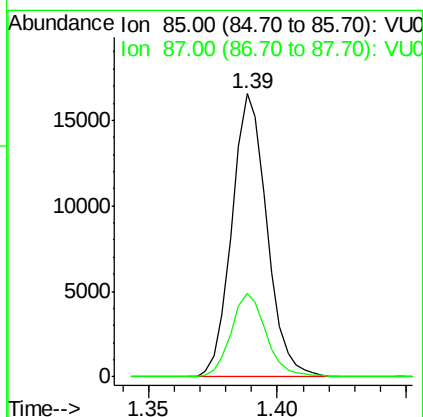
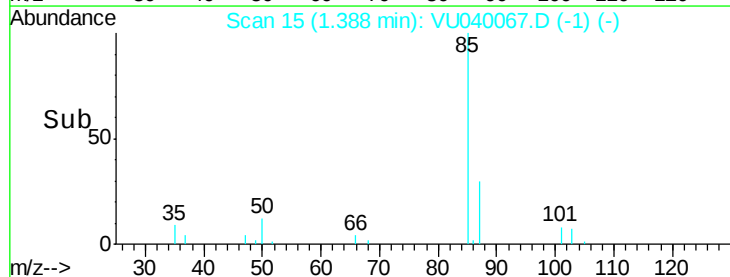
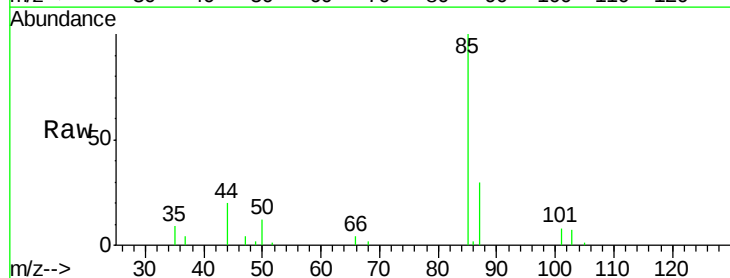
Acq: 09 Sep 2020 17:44

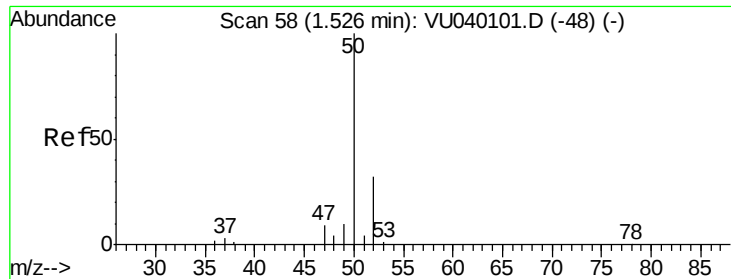
Tgt Ion: 85 Resp: 15652

Ion Ratio Lower Upper

85 100

87 29.7 15.6 46.8





#3

Chloromethane

Concen: 1.967 ug/l

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040067.D

Acq: 09 Sep 2020 17:44

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBS01

Tot Ion: 50 Resp: 16063

Ion Ratio Lower Upper

50 100

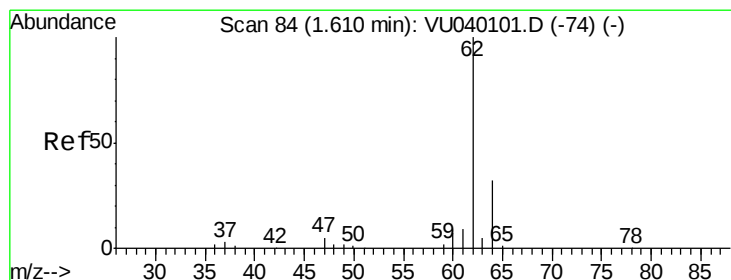
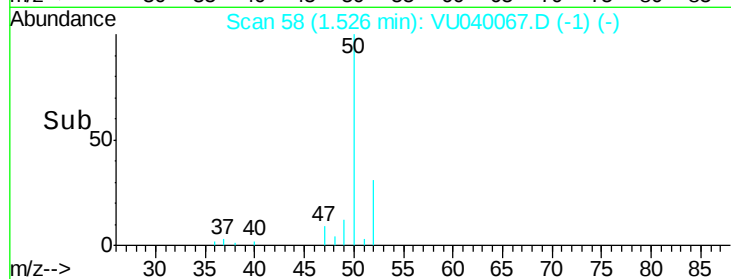
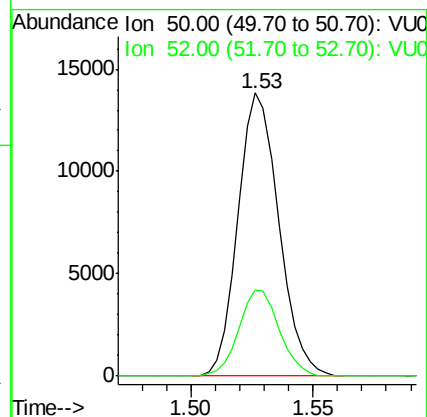
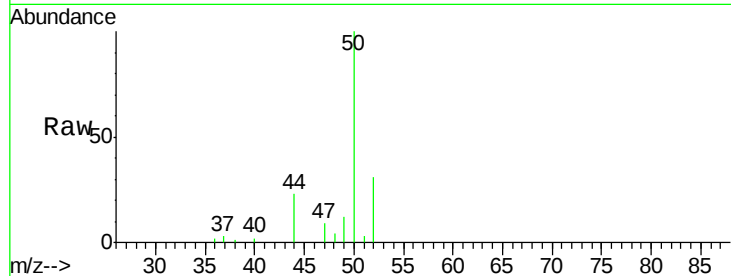
52 30.6 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 2.002 ug/l

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040067.D

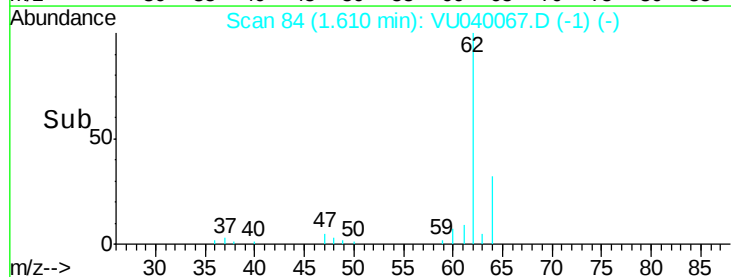
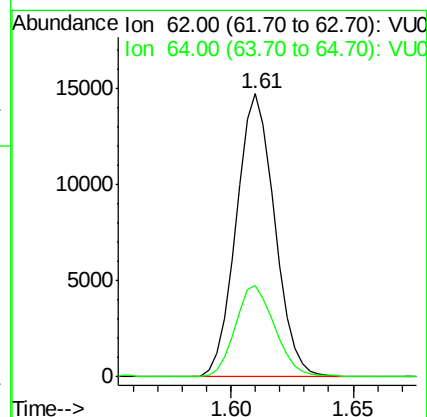
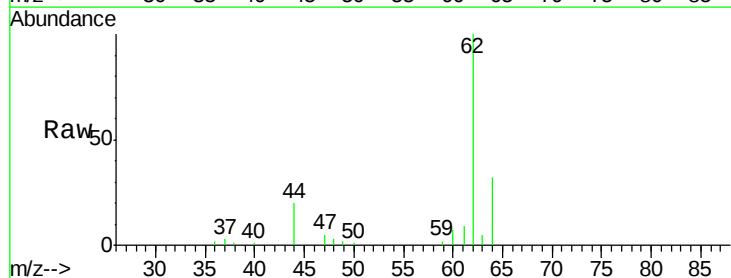
Acq: 09 Sep 2020 17:44

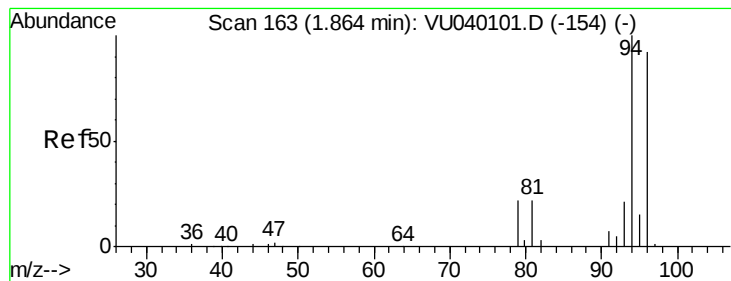
Tgt Ion: 62 Resp: 16073

Ion Ratio Lower Upper

62 100

64 32.3 25.4 38.0





#5

Bromomethane

Concen: 2.010 ug/l

RT: 1.87 min Scan# 164

Delta R.T. 0.01 min

Lab File: VU040067.D

Acq: 09 Sep 2020 17:44

Instrument :

MSVOA_U

ClientSampled :

VU0909WBS01

Tot Ion: 94 Resp: 12010

Ion Ratio Lower Upper

94 100

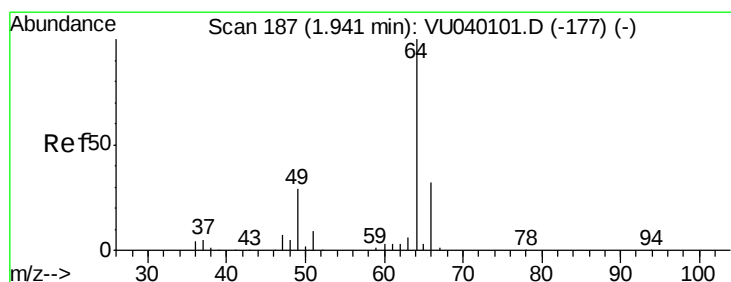
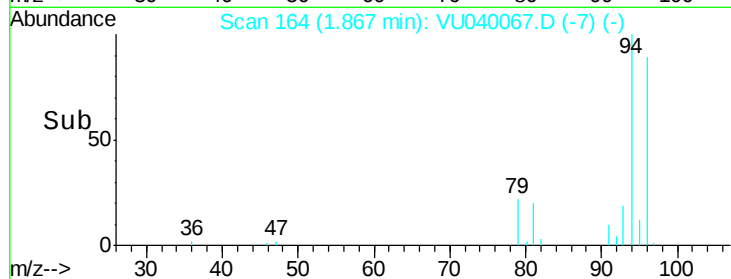
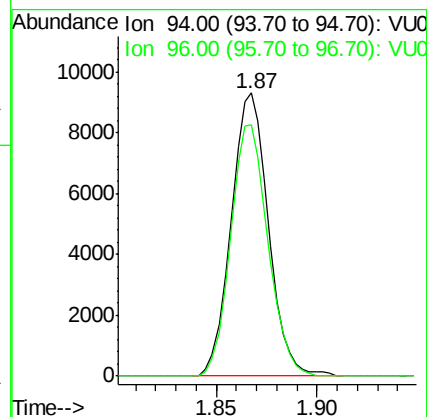
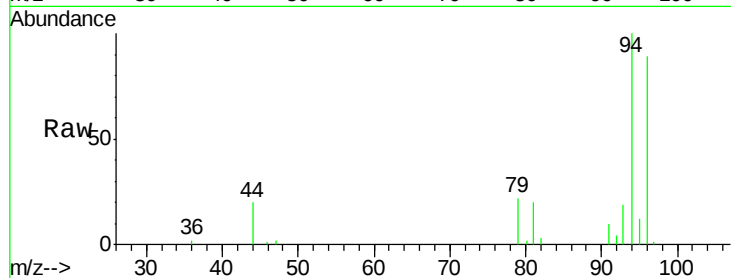
96 88.9 75.4 113.2

Manual Integrations

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#6

Chloroethane

Concen: 1.858 ug/l

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040067.D

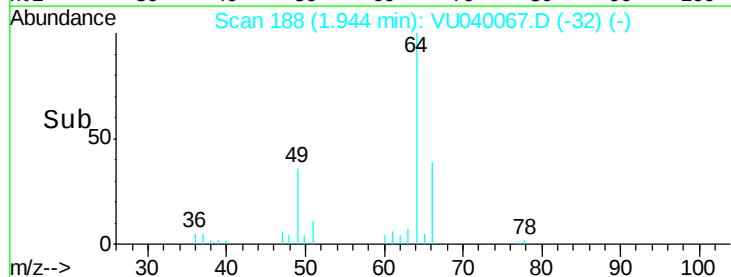
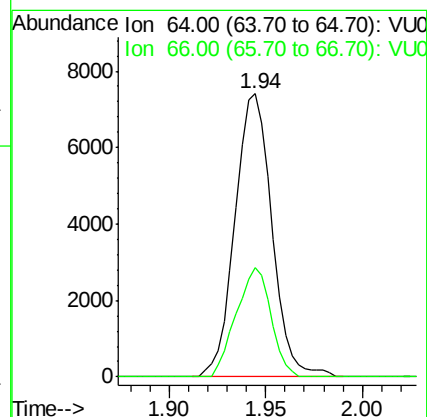
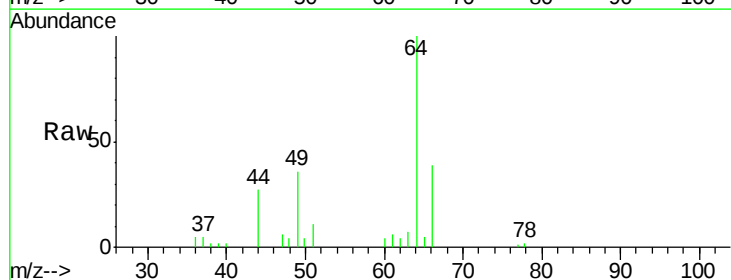
Acq: 09 Sep 2020 17:44

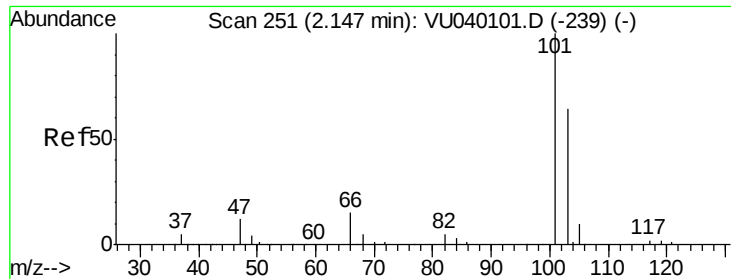
Tgt Ion: 64 Resp: 9842

Ion Ratio Lower Upper

64 100

66 38.7 26.7 40.1





#7

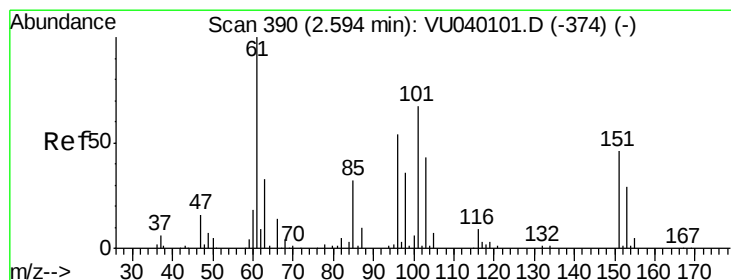
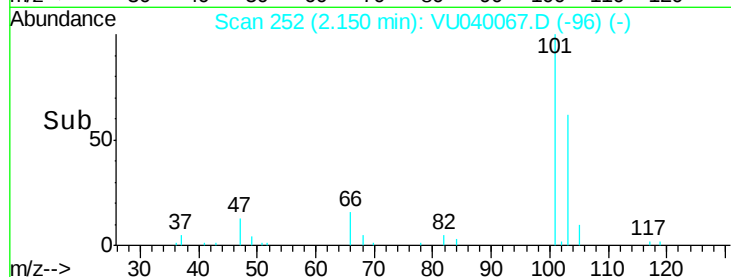
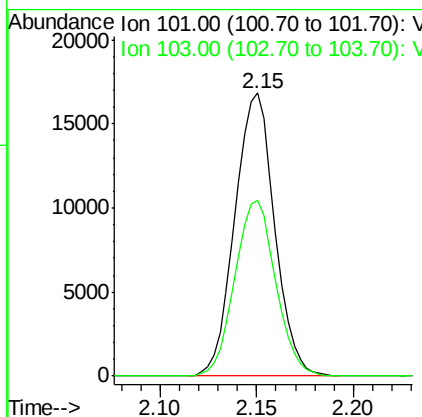
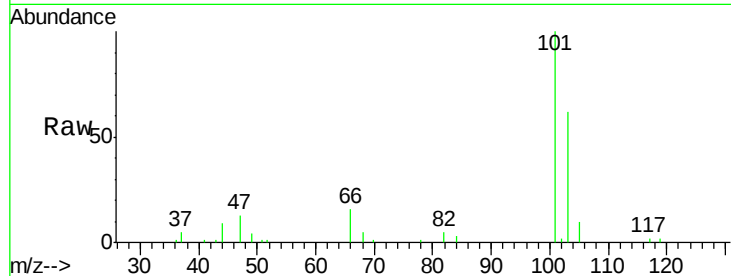
Trichlorofluoromethane
Concen: 2.000 ug/l
RT: 2.15 min Scan# 252
Delta R.T. 0.00 min
Lab File: VU040067.D
Acq: 09 Sep 2020 17:44

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.2	50.8	76.2

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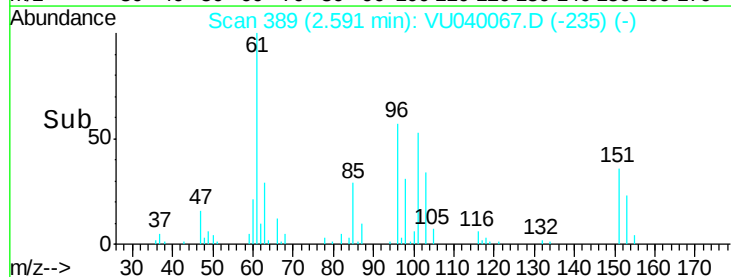
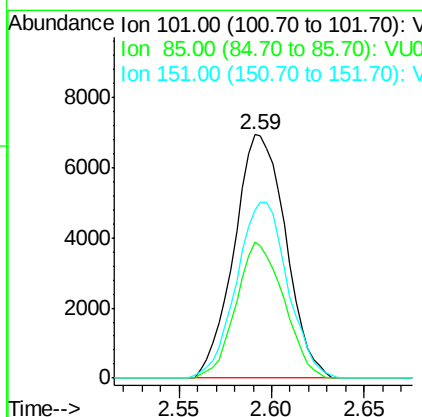
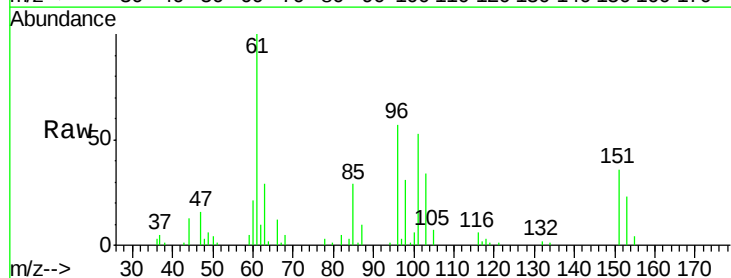
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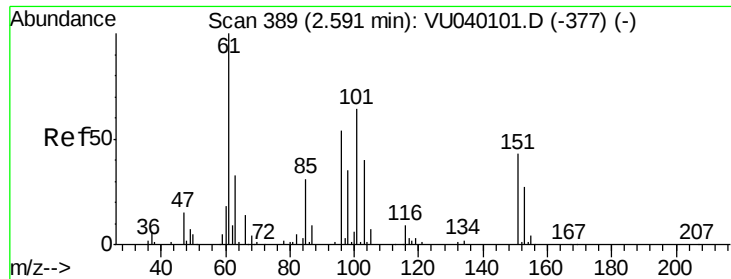


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.937 ug/l
RT: 2.59 min Scan# 389
Delta R.T. -0.00 min
Lab File: VU040067.D
Acq: 09 Sep 2020 17:44

Tgt Ion	Ratio	Lower	Upper
101	100		
85	51.4	38.5	57.7
151	71.7	54.6	81.8





#9

1,1-Dichloroethene

Concen: 2.041 ug/l

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040067.D

Acq: 09 Sep 2020 17:44

Instrument :

MSVOA_U

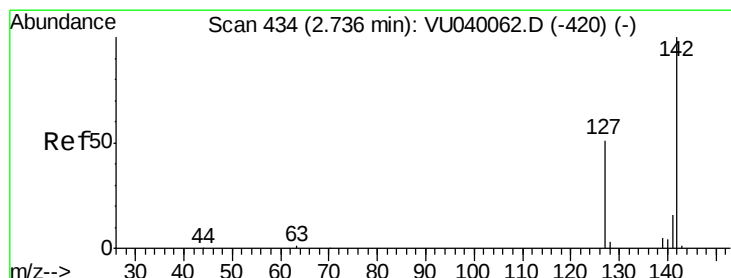
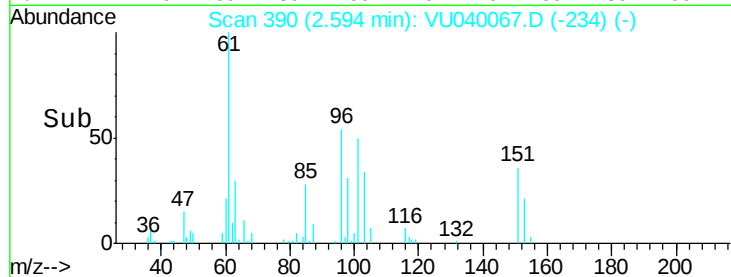
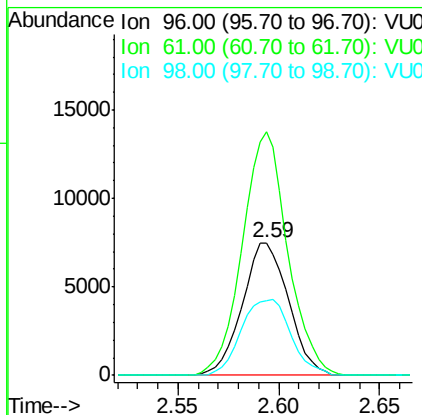
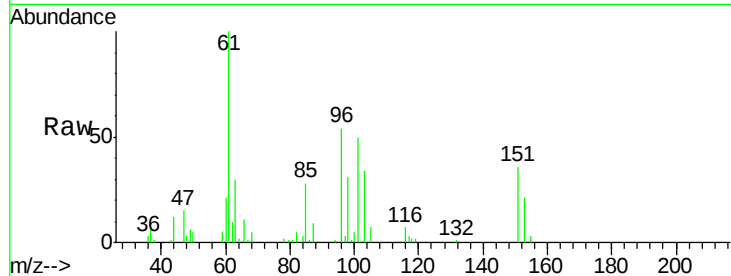
ClientSampleId :

VU0909WBS01

Tot Ion:	96	Resp:	12002
Ion	Ratio	Lower	Upper
96	100		
61	183.6	0.0	557.1
98	56.5	0.0	125.6

Manual Integrations
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#10

Iodomethane

Concen: 1.880 ug/l

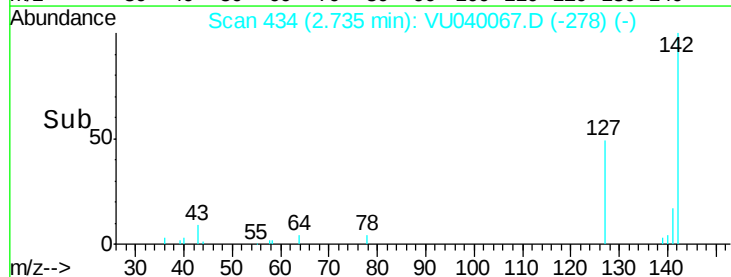
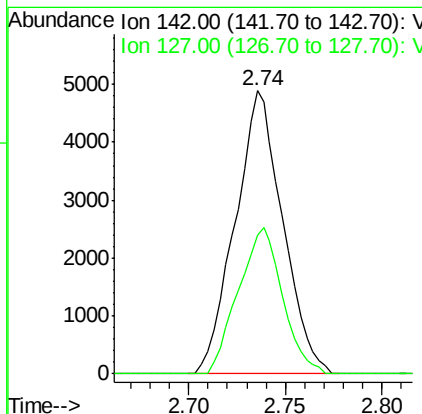
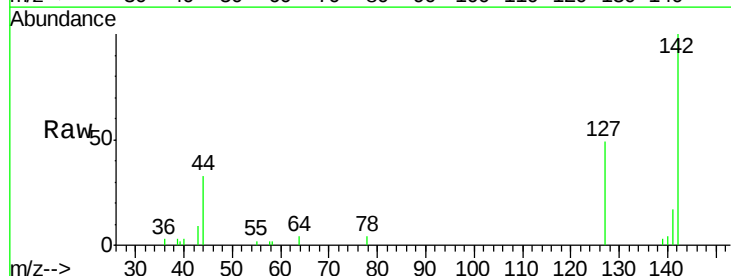
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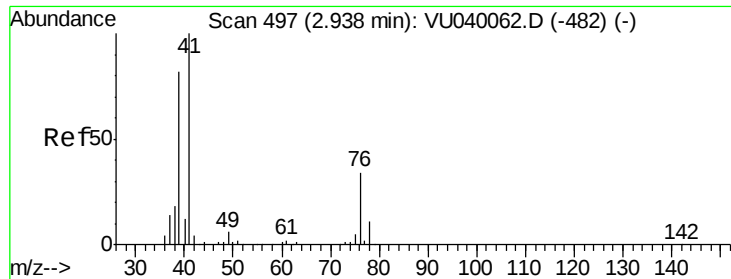
Delta R.T. 0.00 min

Lab File: VU040067.D

Acq: 09 Sep 2020 17:44

Tgt Ion:	142	Resp:	8338
Ion	Ratio	Lower	Upper
142	100		
127	48.1	41.4	62.0





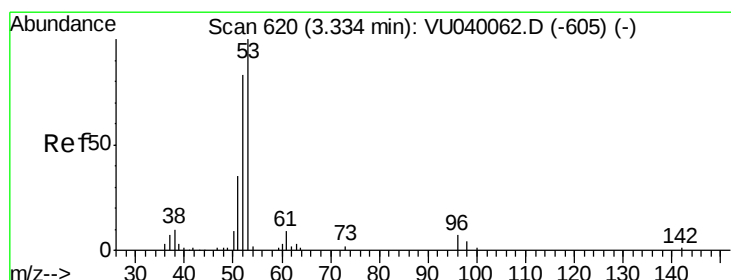
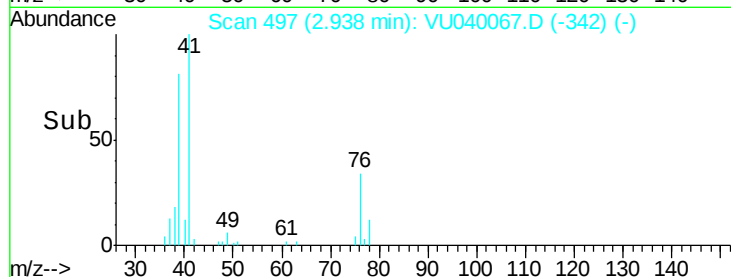
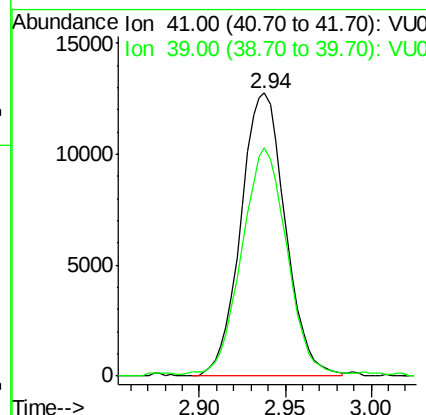
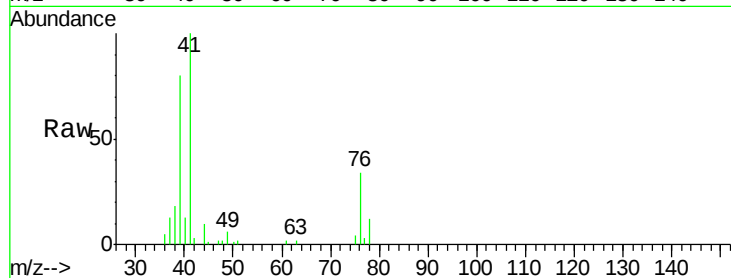
#11
Allvl Chloride
Concen: 1.975 ug/l
RT: 2.94 min Scan# 497
Delta R.T. -0.00 min
Lab File: VU040067.D
Acq: 09 Sep 2020 17:44

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	79.8	64.6	96.8

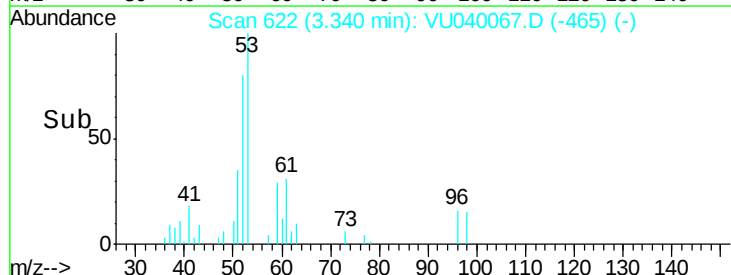
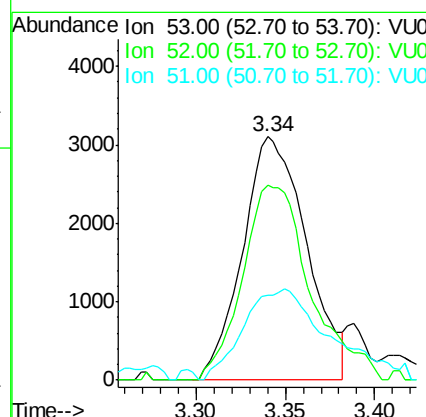
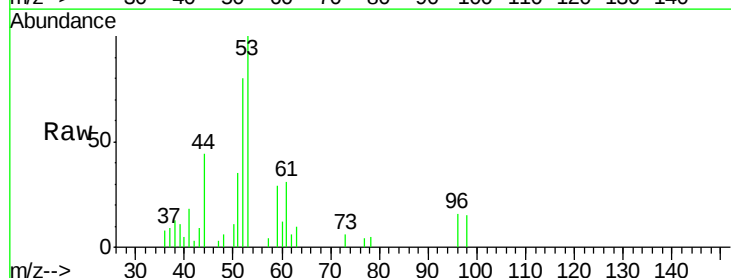
Manual Integrations
APPROVED

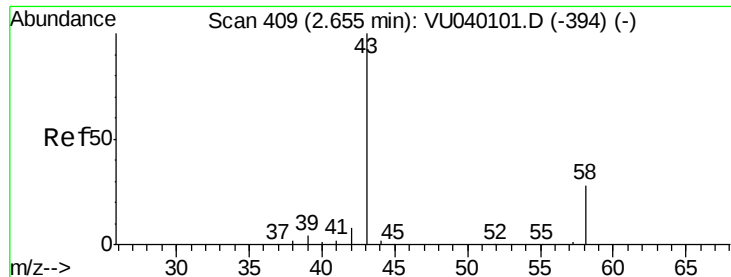
MMDadoda
9/17/2020 4:47:33 PM



#12
Acrylonitrile
Concen: 3.792 ug/l
RT: 3.34 min Scan# 622
Delta R.T. 0.01 min
Lab File: VU040067.D
Acq: 09 Sep 2020 17:44

Tgt Ion	Ratio	Lower	Upper
53	100		
52	85.1	64.0	96.0
51	50.8	28.2	42.2#





#13

Acetone

Concen: 10.871 ug/l

RT: 2.66 min Scan# 410

Delta R.T. 0.02 min

Lab File: VU040067.D

Acq: 09 Sep 2020 17:44

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBS01

Tot Ion: 43 Resp: 20370

Ion Ratio Lower Upper

43 100

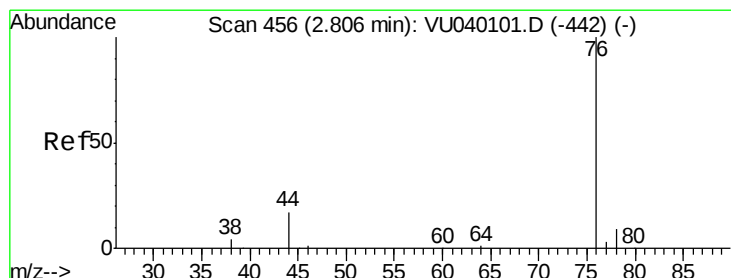
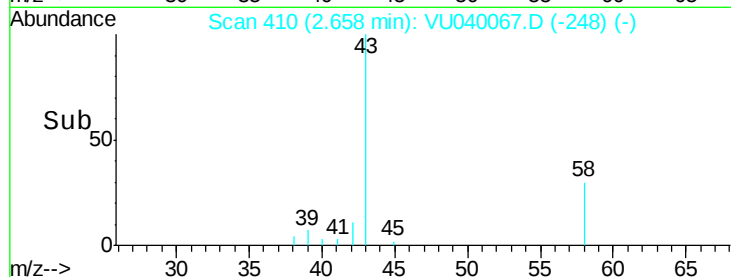
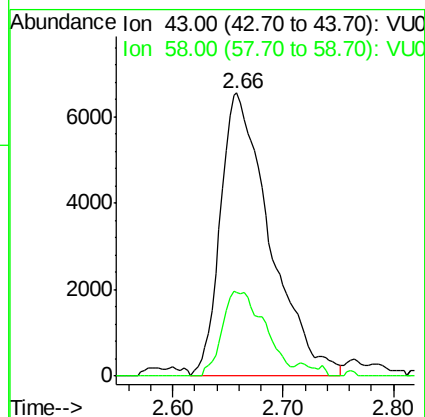
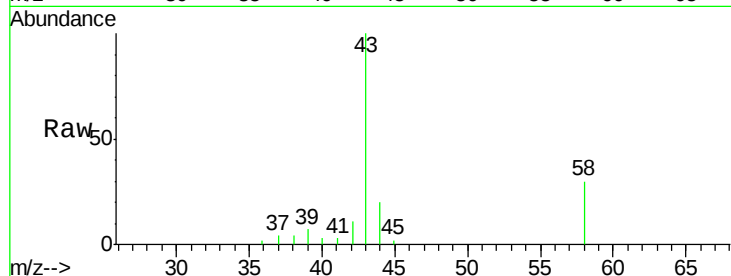
58 29.6 20.6 31.0

Manual Integrations

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#14

Carbon Disulfide

Concen: 2.011 ug/l

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040067.D

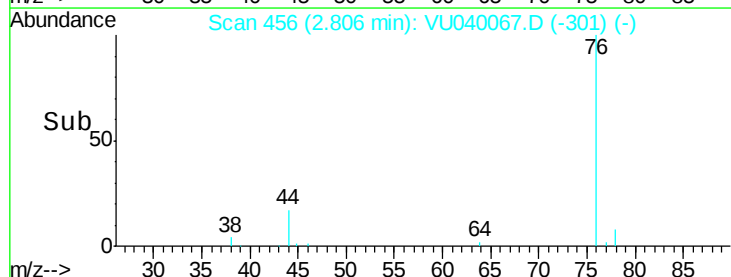
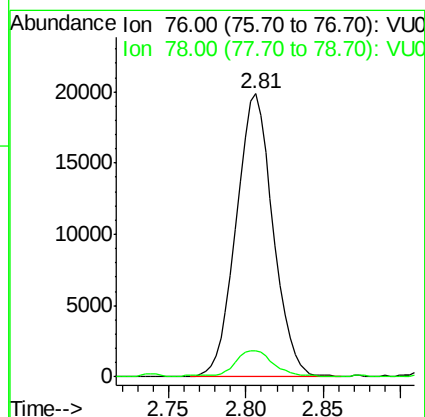
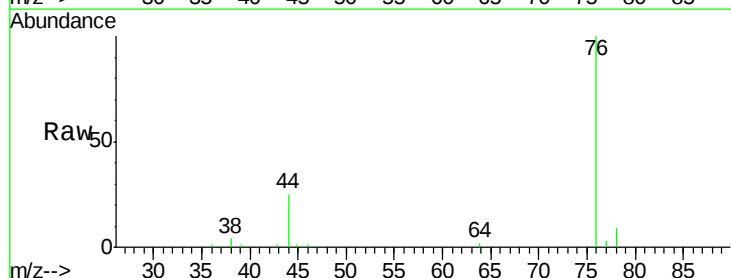
Acq: 09 Sep 2020 17:44

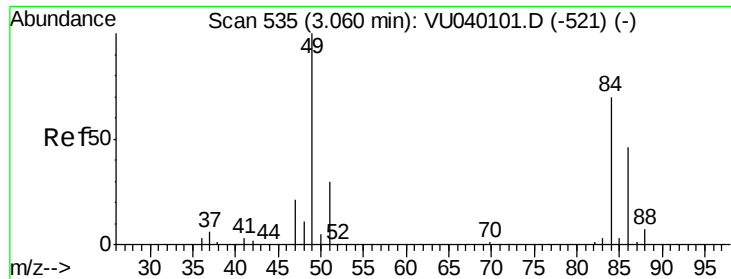
Tgt Ion: 76 Resp: 32845

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8





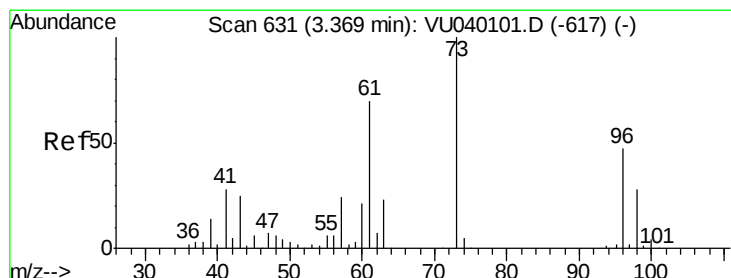
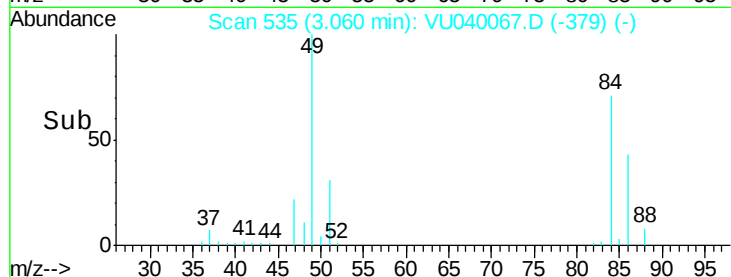
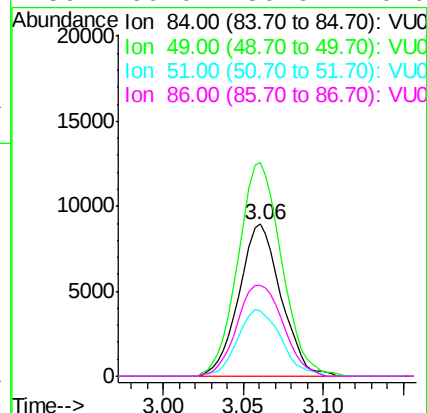
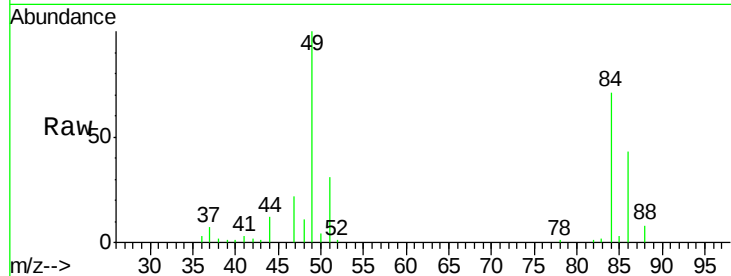
#15
Methvlene Chloride
Concen: 1.746 ug/l
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU040067.D
Acq: 09 Sep 2020 17:44

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

Tot Ion	84	Resp	16086
Ion	Ratio	Lower	Upper
84	100		
49	140.6	114.3	171.5
51	42.9	0.0	84.6
86	60.0	50.6	76.0

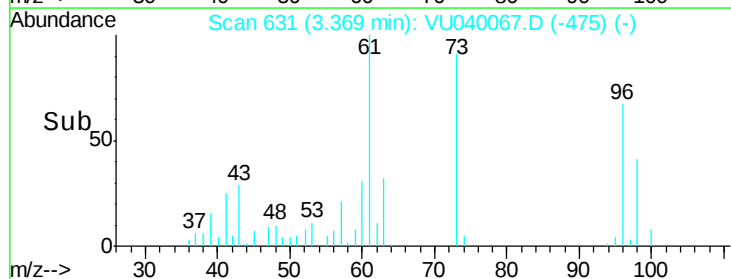
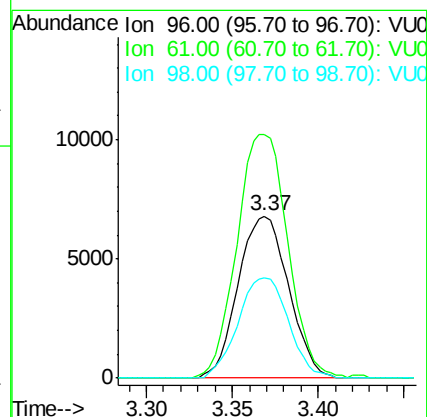
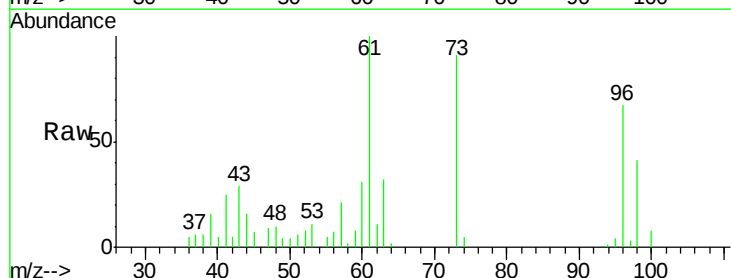
Manual Integrations
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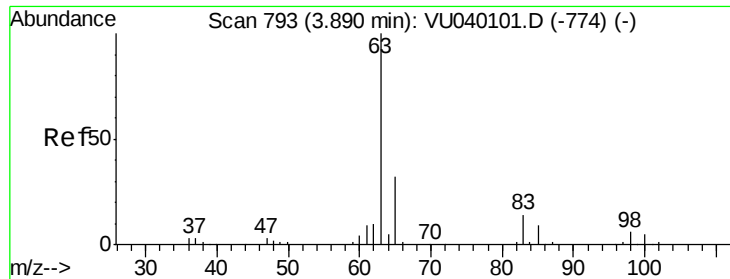
MMDadoda
9/17/2020 4:47:33 PM



#16
trans-1,2-Dichloroethene
Concen: 2.162 ug/l
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU040067.D
Acq: 09 Sep 2020 17:44

Tgt Ion	96	Resp	13804
Ion	Ratio	Lower	Upper
96	100		
61	150.2	121.4	182.0
98	61.9	51.9	77.9





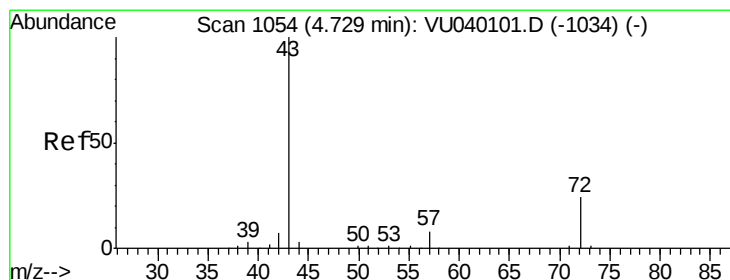
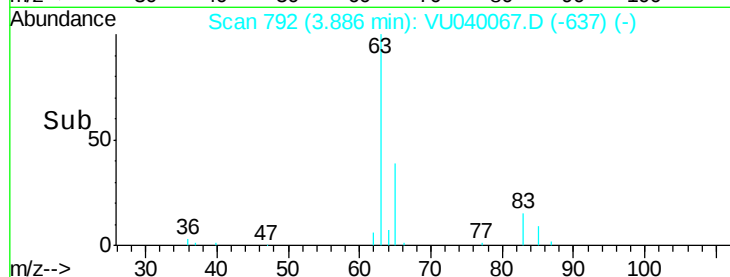
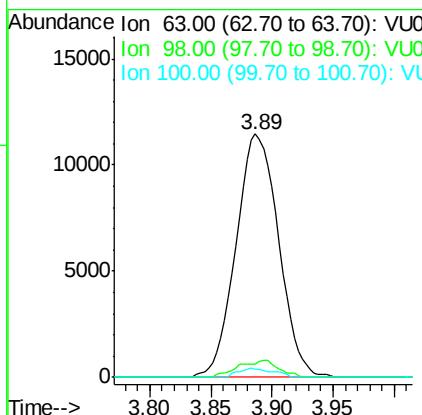
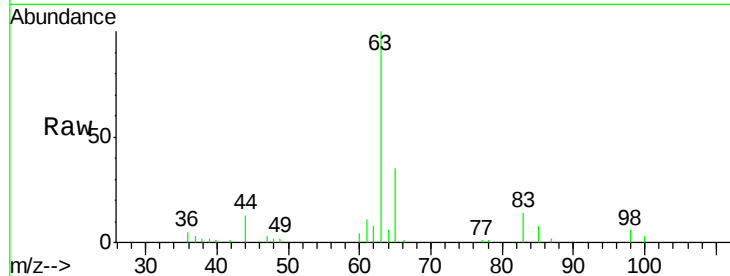
#17
 1,1-Dichloroethane
 Concen: 1.993 ug/l
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU040067.D
 Acq: 09 Sep 2020 17:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0909WBS01

Tot Ion:	63	Resp:	27760
Ion Ratio	Lower	Upper	
63	100		
98	5.7	3.1	9.4
100	3.5	2.0	5.8

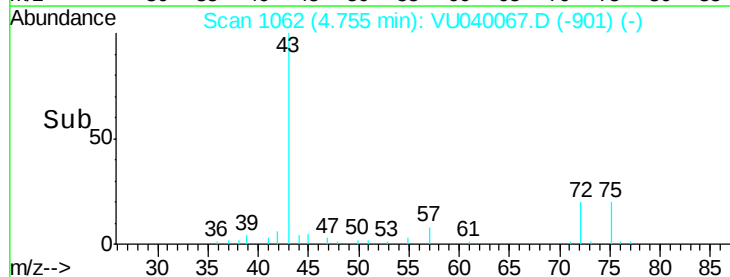
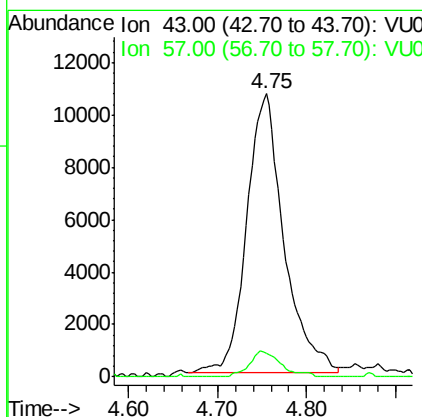
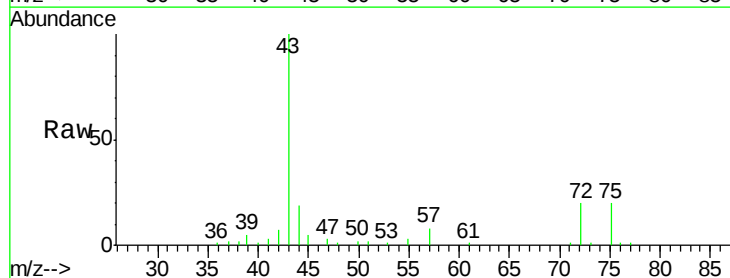
Manual Integrations
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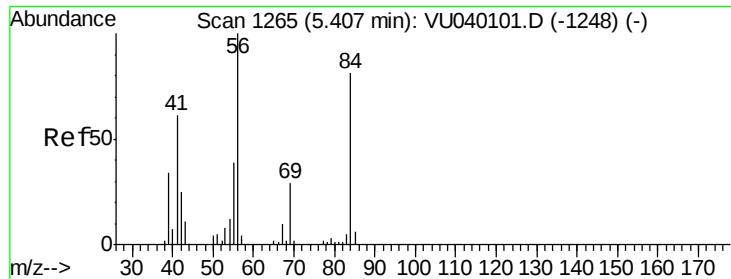
MMDadoda
 9/17/2020 4:47:33 PM



#18
 2-Butanone
 Concen: 10.895 ug/l
 RT: 4.75 min Scan# 1062
 Delta R.T. 0.02 min
 Lab File: VU040067.D
 Acq: 09 Sep 2020 17:44

Tgt Ion:	43	Resp:	31137
Ion Ratio	Lower	Upper	
43	100		
57	8.2	0.0	15.2





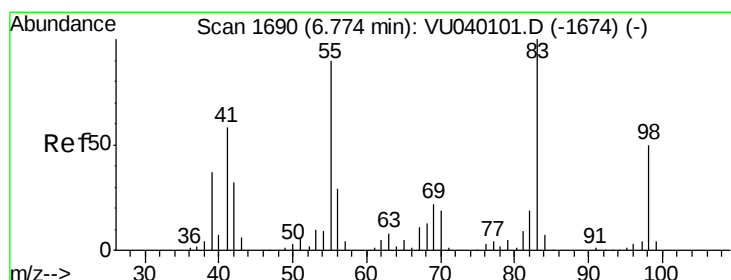
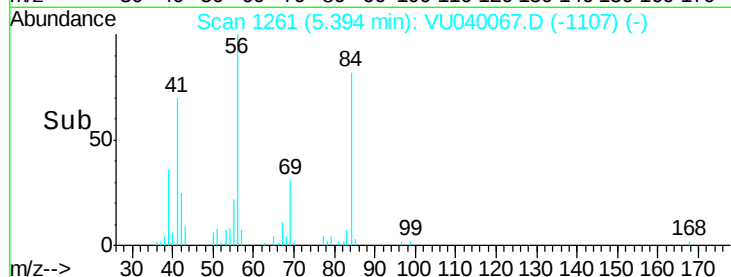
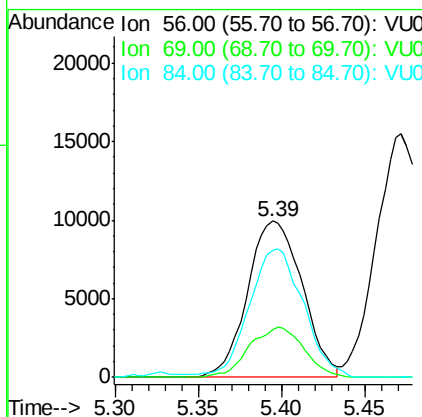
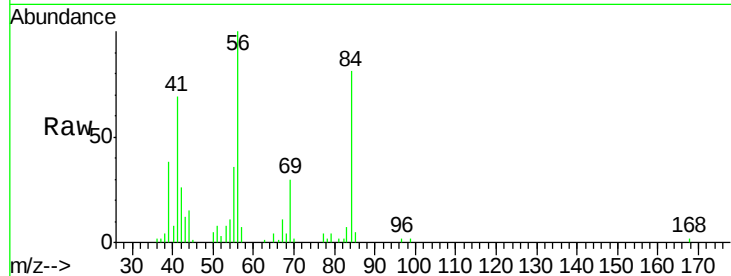
#19
Cyclohexane
Concen: 1.961 ug/l m
RT: 5.39 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VU040067.D
Acq: 09 Sep 2020 17:44

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.9	23.5	35.3
84	78.8	63.8	95.6

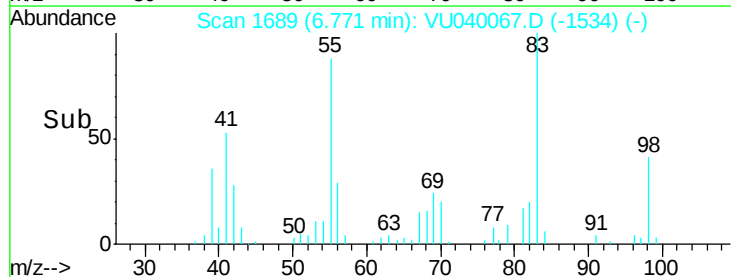
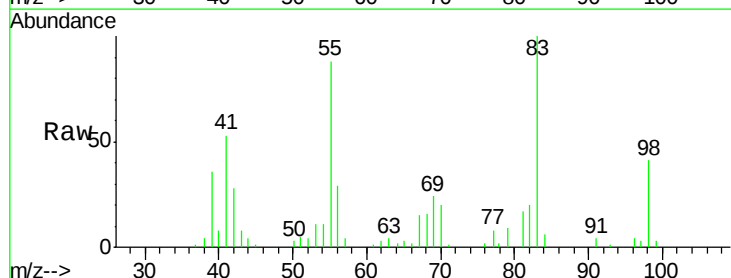
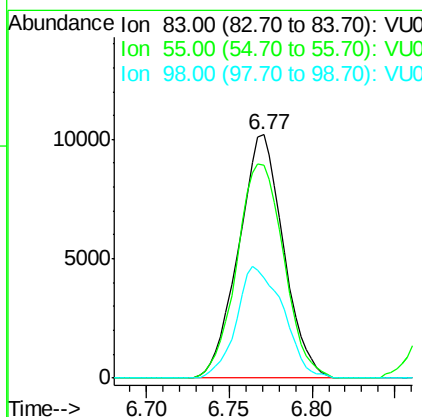
Manual Integrations
APPROVED

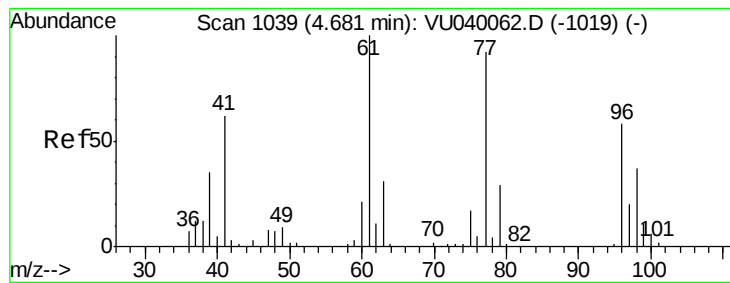
MMDadoda
9/17/2020 4:47:33 PM



#20
Methylcyclohexane
Concen: 1.786 ug/l
RT: 6.77 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VU040067.D
Acq: 09 Sep 2020 17:44

Tgt Ion	Ratio	Lower	Upper
83	100		
55	92.4	69.4	104.2
98	47.8	37.5	56.3





#21

2,2-Dichloropropane

Concen: 1.951 ug/l

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU040067.D

Acq: 09 Sep 2020 17:44

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBS01

Tot Ion: 77 Resp: 25808

Ion Ratio Lower Upper

77 100

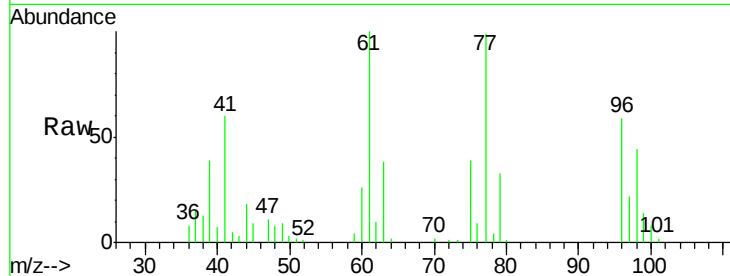
97 21.5 16.4 24.6

Manual Integrations

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Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

12000

10000

8000

6000

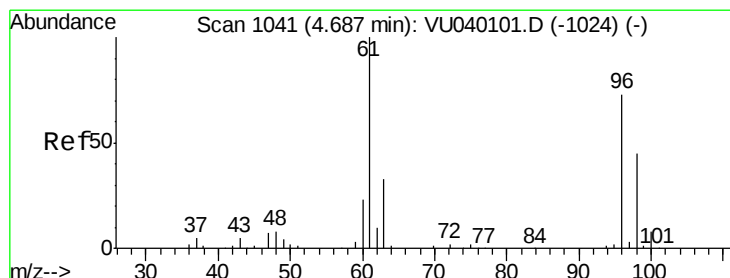
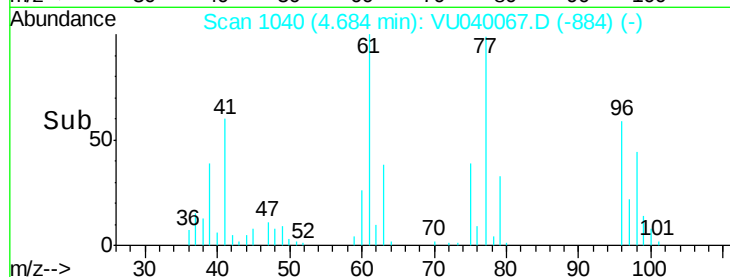
4000

2000

0

4.60 4.65 4.70 4.75 4.80

Time-->



#22

cis-1,2-Dichloroethene

Concen: 1.937 ug/l

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040067.D

Acq: 09 Sep 2020 17:44

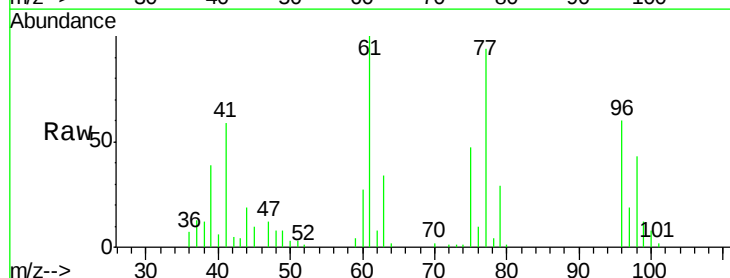
Tgt Ion: 96 Resp: 14404

Ion Ratio Lower Upper

96 100

61 174.4 0.0 420.0

98 69.3 31.8 95.3



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

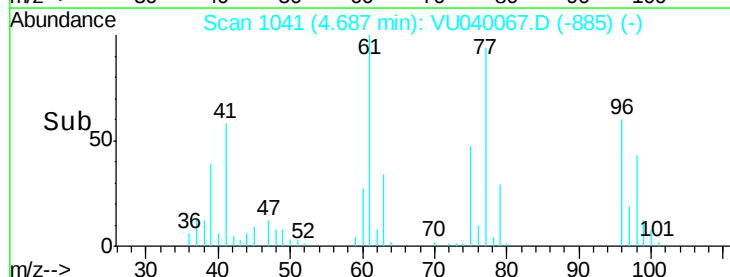
10000

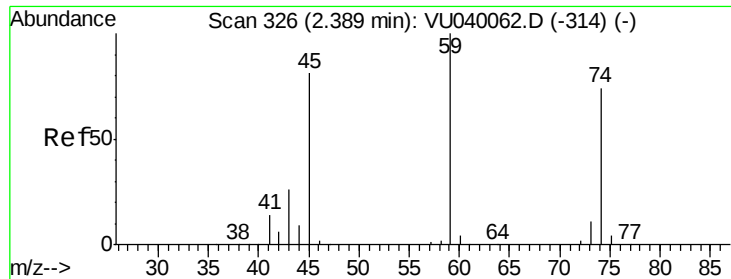
5000

0

4.60 4.65 4.70 4.75

Time-->





#23

Diethyl Ether

Concen: 1.932 ug/l

RT: 2.39 min Scan# 326

Delta R.T. -0.00 min

Lab File: VU040067.D

Acq: 09 Sep 2020 17:44

Instrument :

MSVOA_U

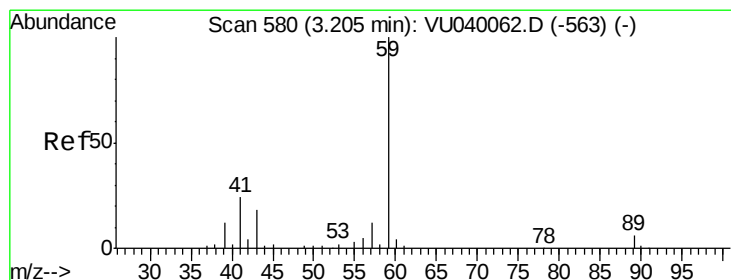
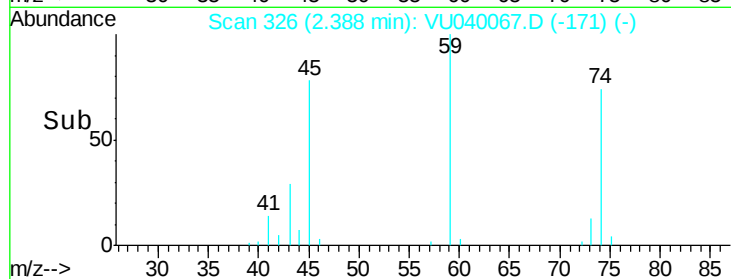
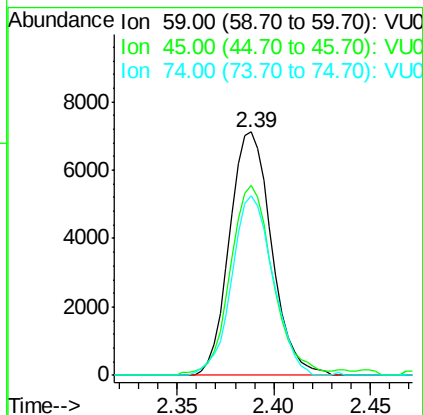
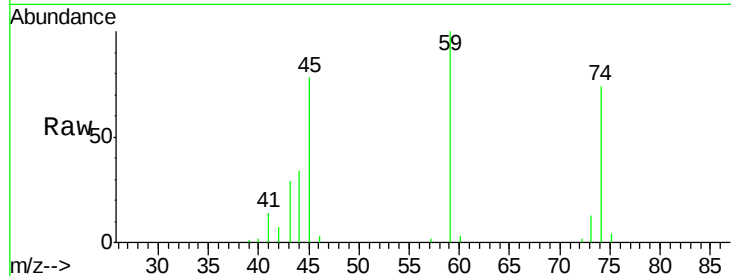
ClientSampleId :

VU0909WBS01

Tot Ion:	59	Resp:	10763
Ion	Ratio	Lower	Upper
59	100		
45	79.5	62.4	93.6
74	72.4	57.7	86.5

Manual Integrations
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#24

tert-Butyl Alcohol

Concen: 16.602 ug/l m

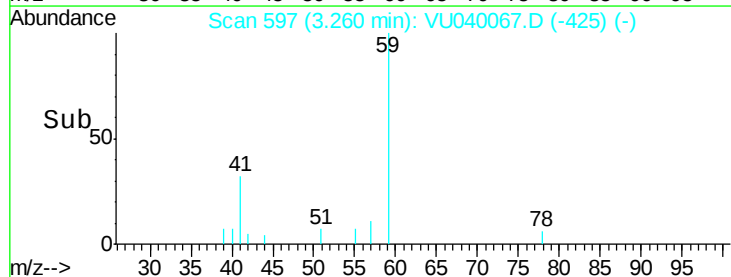
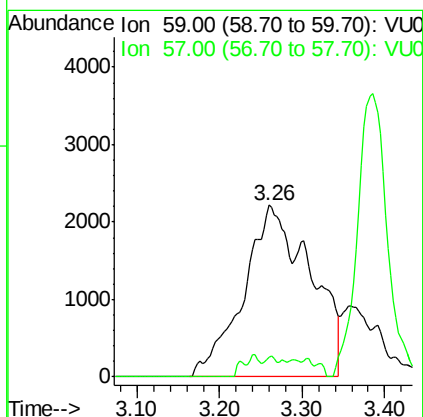
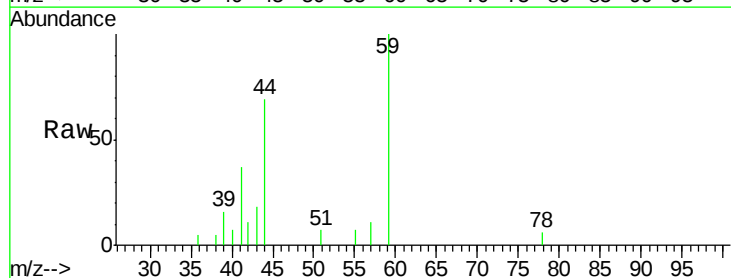
RT: 3.26 min Scan# 597

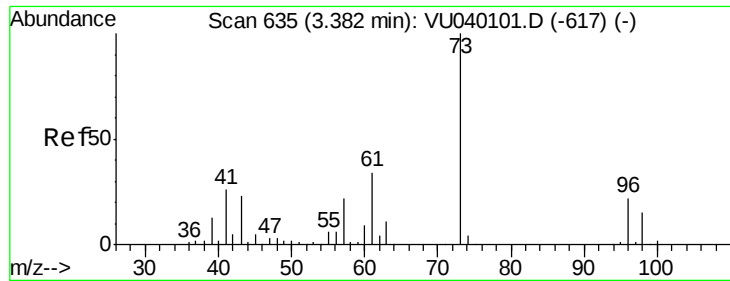
Delta R.T. 0.05 min

Lab File: VU040067.D

Acq: 09 Sep 2020 17:44

Tgt Ion:	59	Resp:	12449
Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.0	13.6#





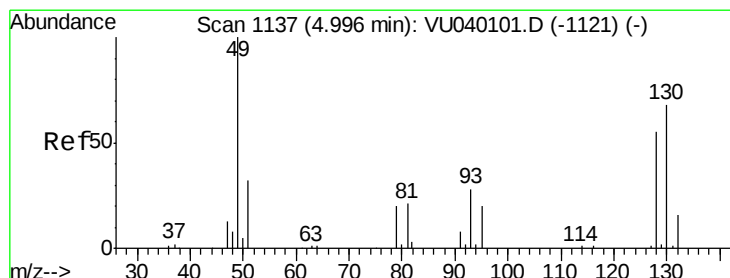
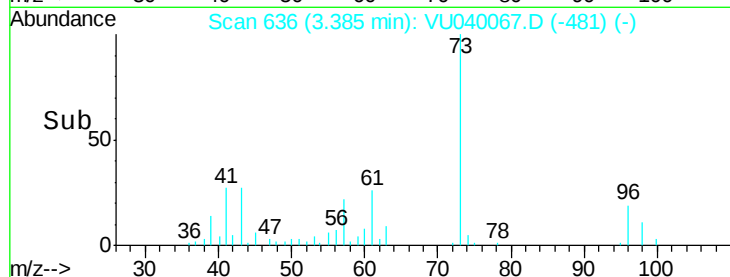
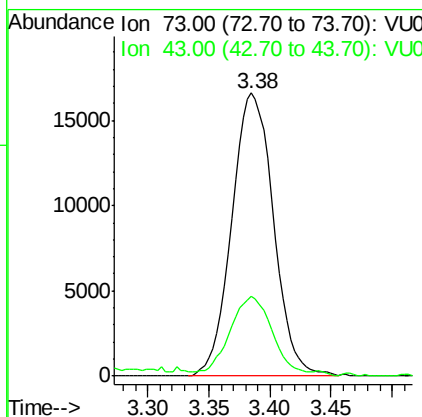
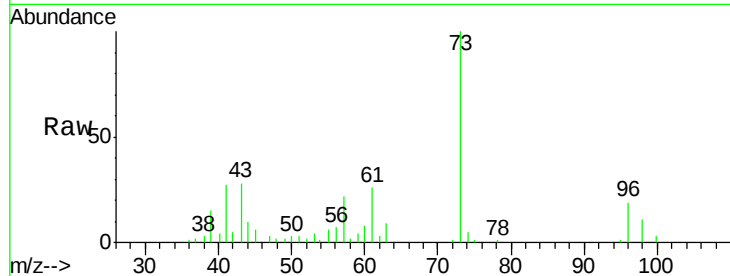
#25
Methvl tert-Butvl Ether
Concen: 2.006 ug/l
RT: 3.38 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU040067.D
Acq: 09 Sep 2020 17:44

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

Tot Ion: 73 Resp: 39344
Ion Ratio Lower Upper
73 100
43 25.4 20.0 30.0

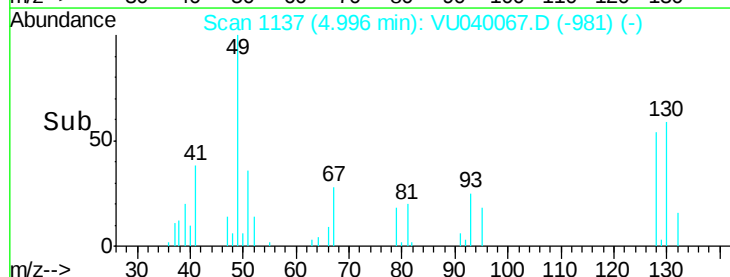
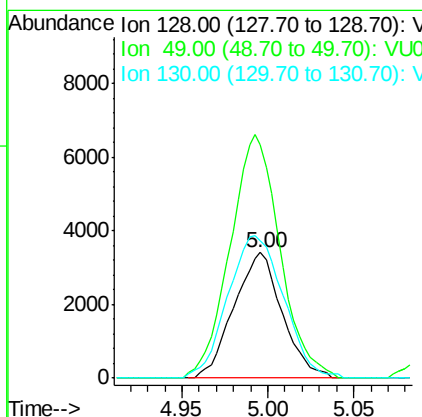
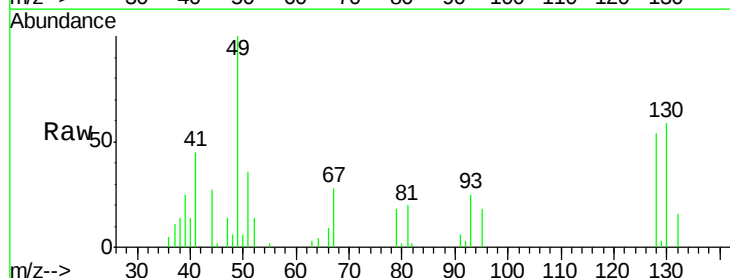
Manual Integrations
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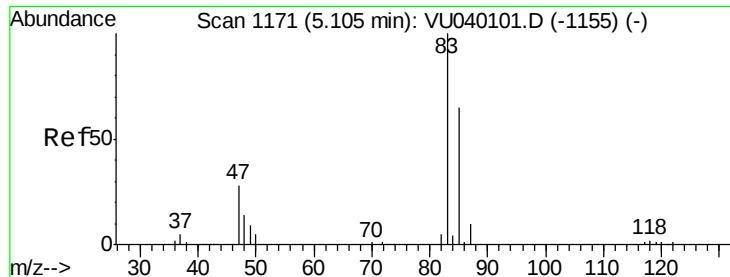
MMDadoda
9/17/2020 4:47:33 PM



#26
Bromochloromethane
Concen: 2.055 ug/l
RT: 5.00 min Scan# 1137
Delta R.T. 0.00 min
Lab File: VU040067.D
Acq: 09 Sep 2020 17:44

Tgt Ion: 128 Resp: 6639
Ion Ratio Lower Upper
128 100
49 200.2 0.0 390.6
130 131.3 104.9 157.3





#27

Chloroform

Concen: 2.056 ug/l

RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU040067.D

Acq: 09 Sep 2020 17:44

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBS01

Tot Ion: 83 Resp: 29083

Ion Ratio Lower Upper

83 100

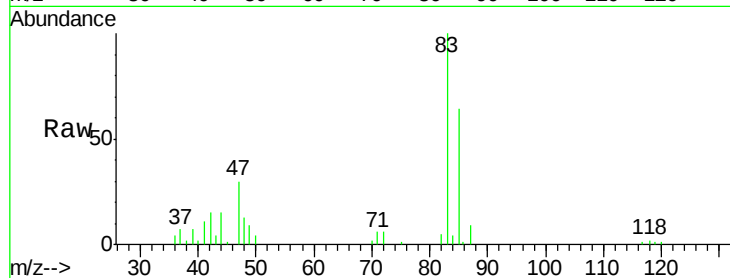
85 64.3 0.0 132.4

Manual Integrations

APPROVED

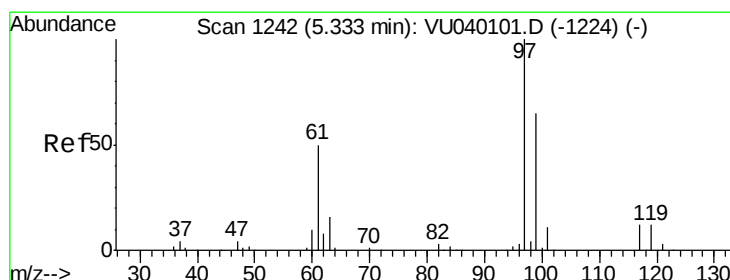
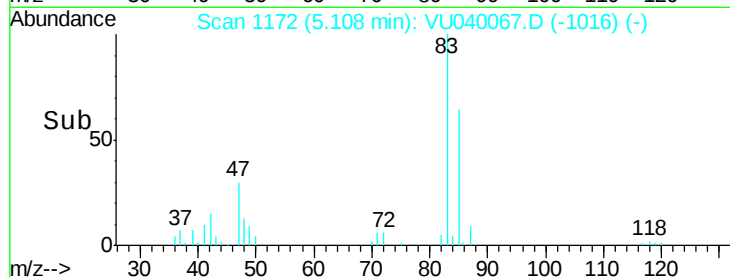
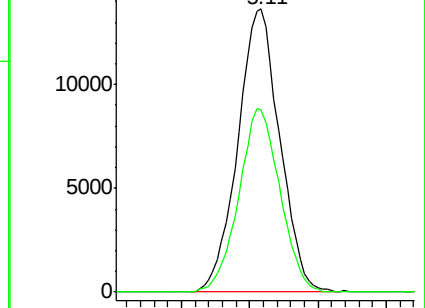
MMDadoda

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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: 2.002 ug/l

RT: 5.33 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VU040067.D

Acq: 09 Sep 2020 17:44

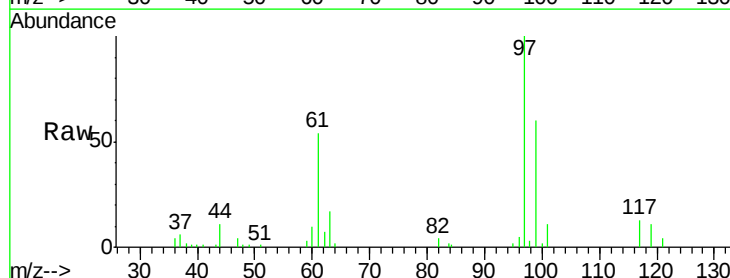
Tgt Ion: 97 Resp: 24629

Ion Ratio Lower Upper

97 100

99 61.4 31.8 95.4

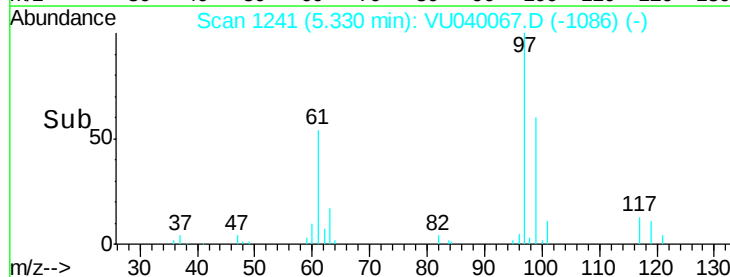
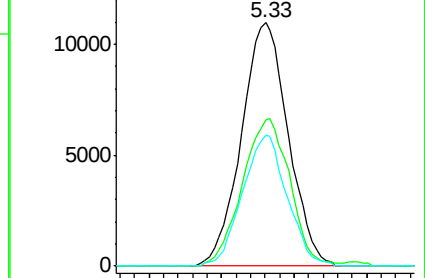
61 51.2 25.1 75.2

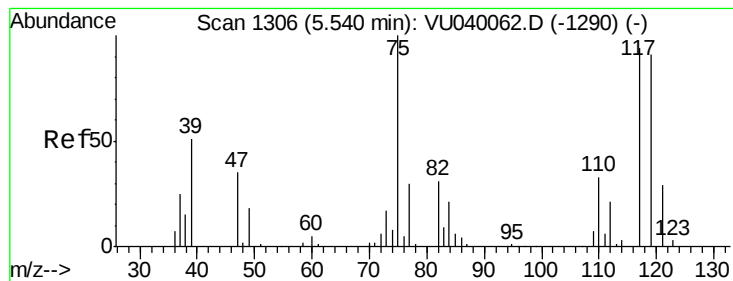


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#29

1,1-Dichloropropene

Concen: 2.032 ug/l

RT: 5.54 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VU040067.D

Acq: 09 Sep 2020 17:44

Instrument :

MSVOA_U

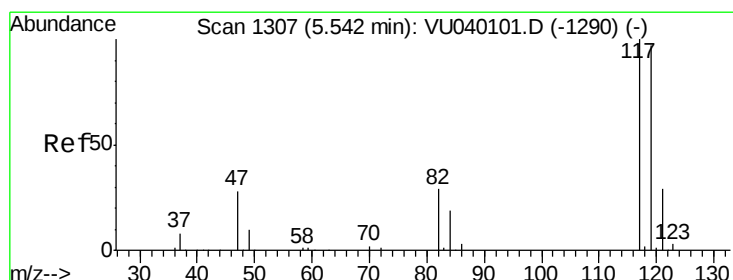
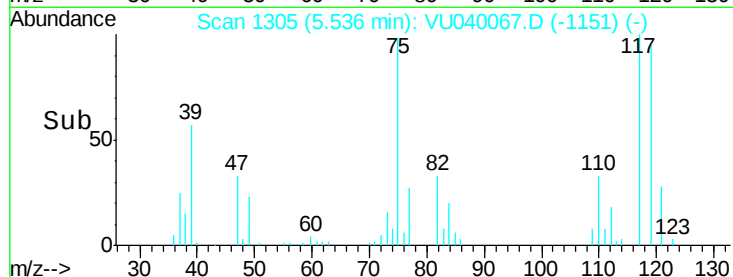
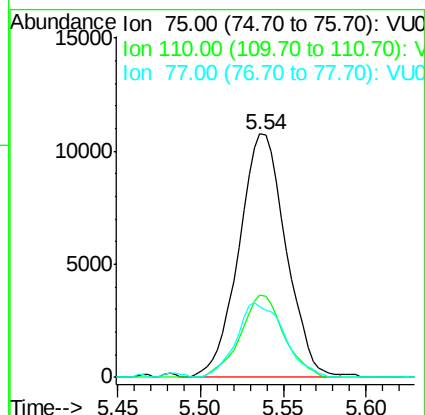
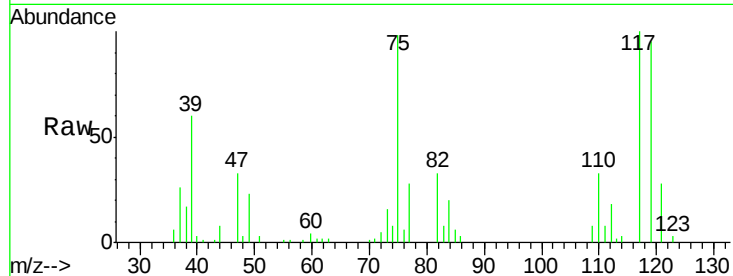
ClientSampleId :

VU0909WBS01

Tot Ion:	75	Resp:	21260
Ion Ratio	Lower	Upper	
75	100		
110	31.1	16.2	48.6
77	30.9	25.3	37.9

Manual Integrations
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#30

Carbon Tetrachloride

Concen: 1.963 ug/l

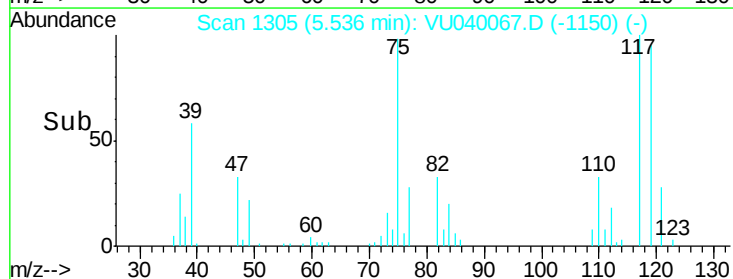
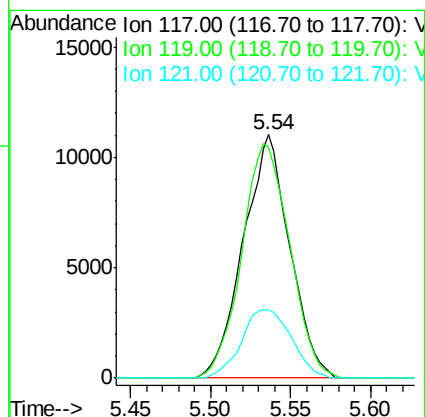
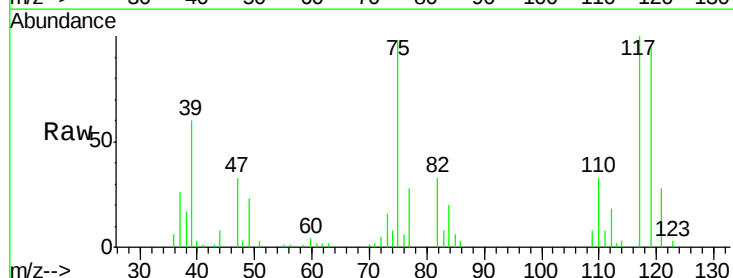
RT: 5.54 min Scan# 1305

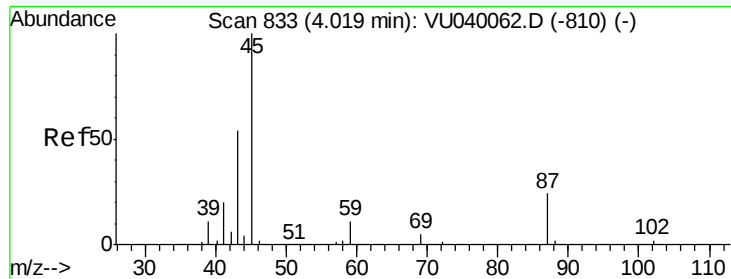
Delta R.T. -0.00 min

Lab File: VU040067.D

Acq: 09 Sep 2020 17:44

Tgt Ion:	117	Resp:	21900
Ion Ratio	Lower	Upper	
117	100		
119	94.8	77.0	115.4
121	28.1	24.2	36.4





#31

Isopropyl Ether

Concen: 1.944 ug/l

RT: 4.02 min Scan# 833

Delta R.T. -0.00 min

Lab File: VU040067.D

Acq: 09 Sep 2020 17:44

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBS01

Tot Ion: 45 Resp: 46618

Ion Ratio Lower Upper

45 100

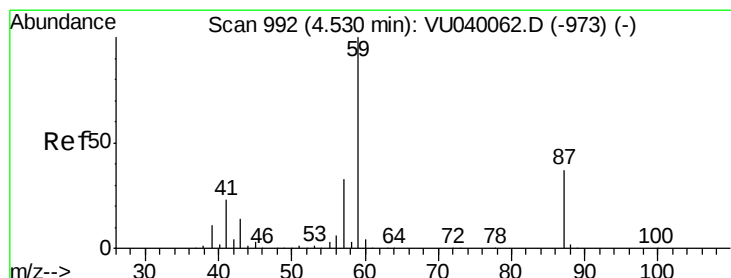
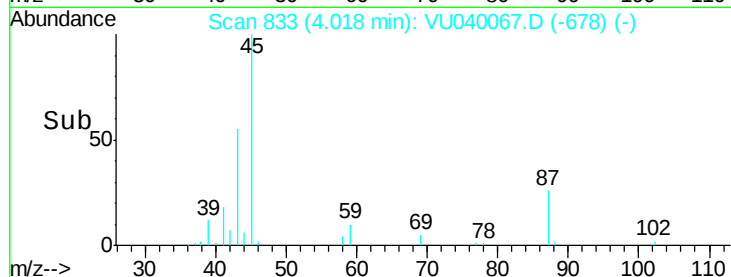
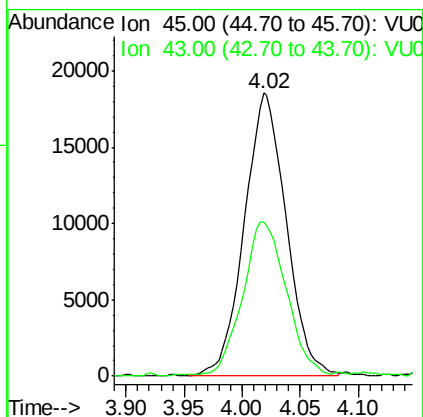
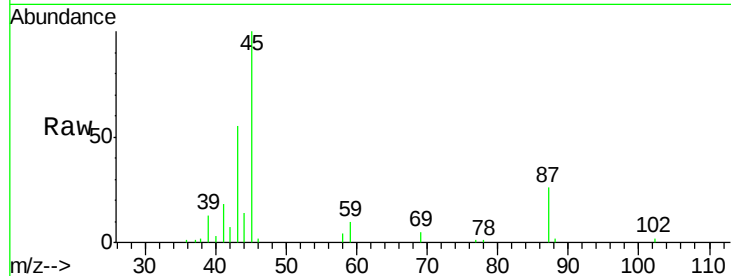
43 55.5 27.9 83.7

Manual Integrations

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#32

Ethyl-t-butyl ether

Concen: 2.015 ug/l

RT: 4.53 min Scan# 992

Delta R.T. -0.00 min

Lab File: VU040067.D

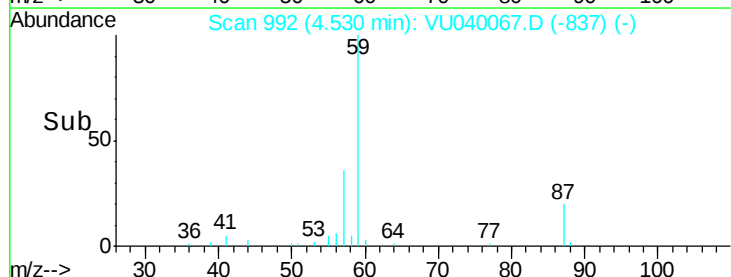
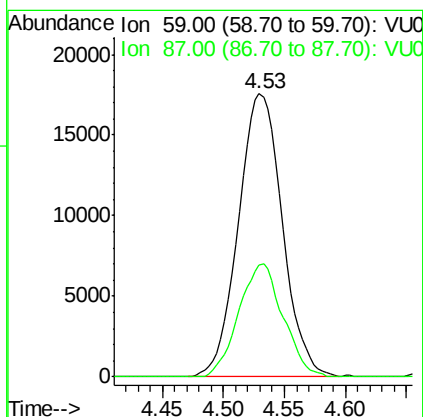
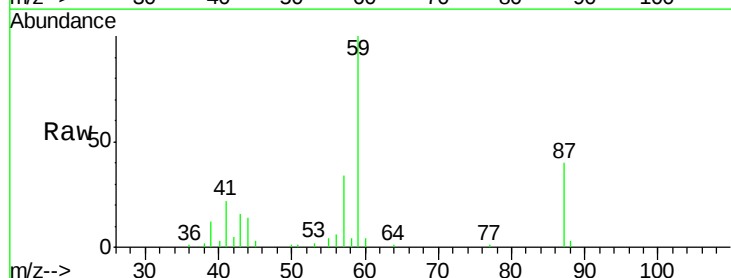
Acq: 09 Sep 2020 17:44

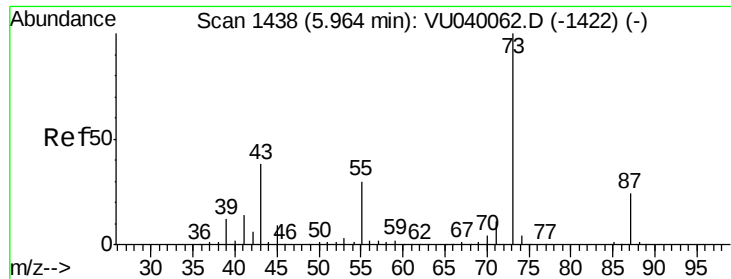
Tgt Ion: 59 Resp: 43800

Ion Ratio Lower Upper

59 100

87 40.1 30.7 46.1





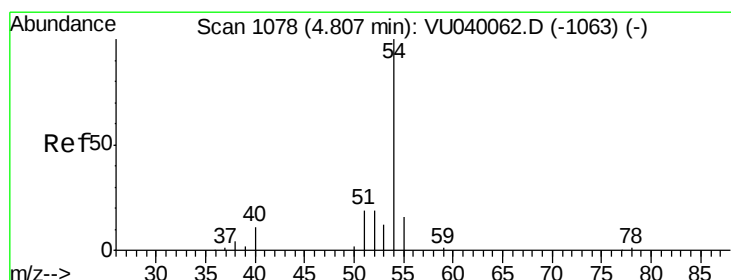
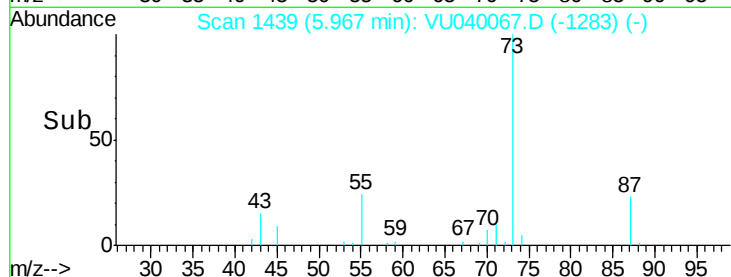
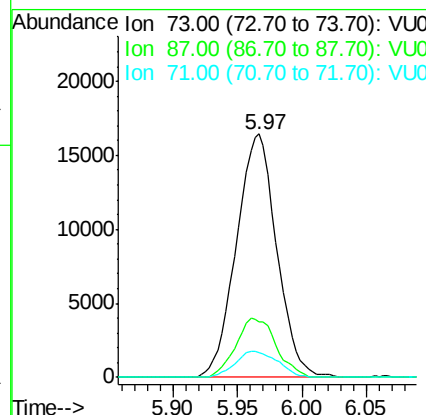
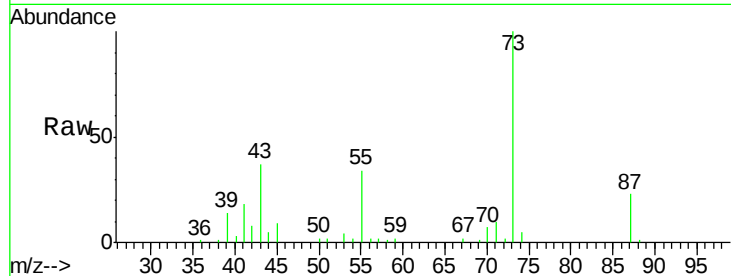
#33
Tert-Butyl methyl ether
Concen: 1.867 ug/l
RT: 5.97 min Scan# 1439
Delta R.T. 0.00 min
Lab File: VU040067.D
Acq: 09 Sep 2020 17:44

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
87	24.0	19.4	29.0
71	11.3	9.2	13.8

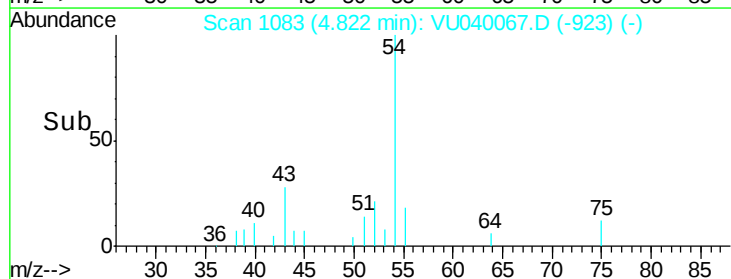
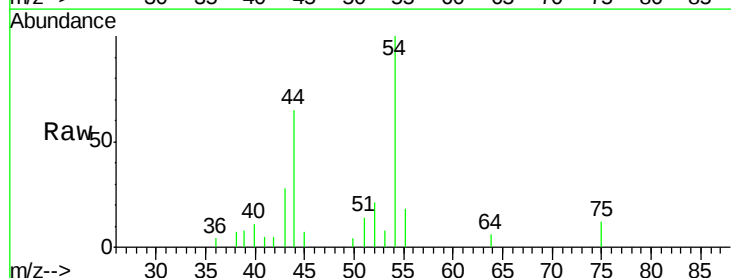
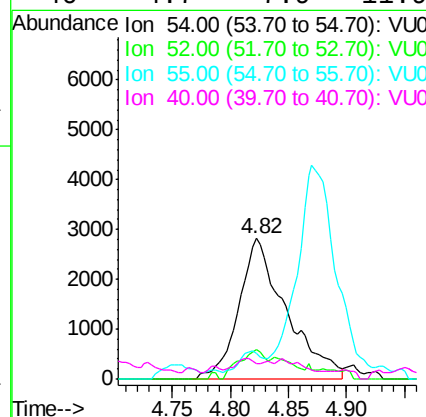
Manual Integrations
APPROVED

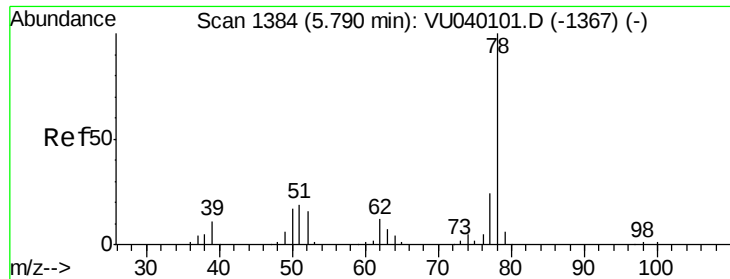
MMDadoda
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#34
Propionitrile
Concen: 11.033 ug/l
RT: 4.82 min Scan# 1083
Delta R.T. 0.02 min
Lab File: VU040067.D
Acq: 09 Sep 2020 17:44

Tgt Ion	Ratio	Lower	Upper
54	100		
52	11.6	16.2	24.4#
55	7.5	12.6	18.8#
40	4.7	7.9	11.9#





#35

Benzene

Concen: 2.024 ug/l

RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VU040067.D

Acq: 09 Sep 2020 17:44

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBS01

Tot Ion: 78 Resp: 58651

Ion Ratio Lower Upper

78 100

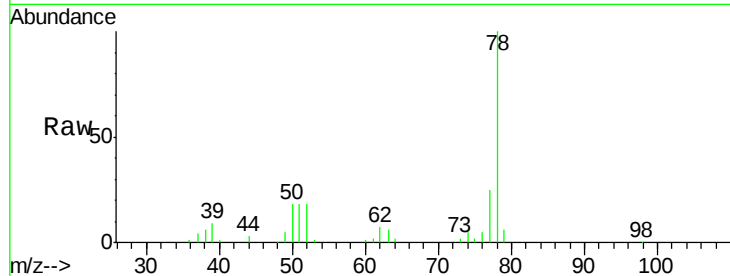
77 24.5 19.1 28.7

Manual Integrations

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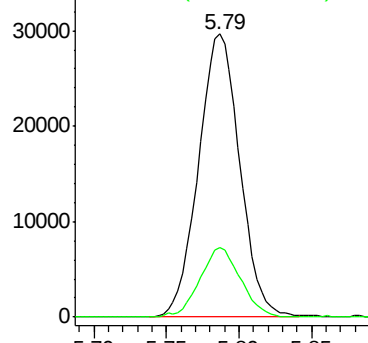
MMDadoda

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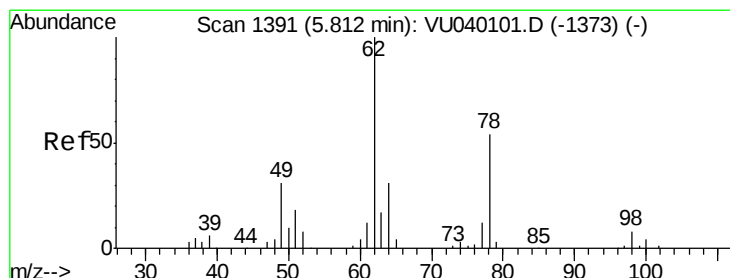
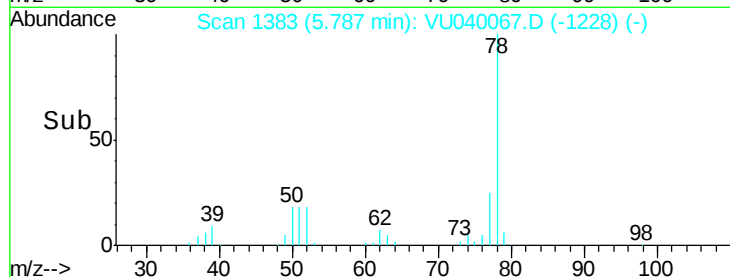


Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0



Time-->



#36

1,2-Dichloroethane

Concen: 2.151 ug/l

RT: 5.81 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VU040067.D

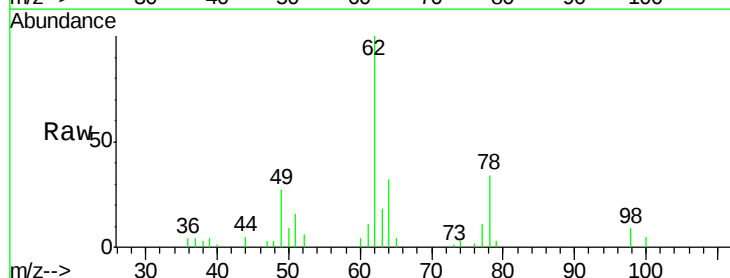
Acq: 09 Sep 2020 17:44

Tgt Ion: 62 Resp: 24254

Ion Ratio Lower Upper

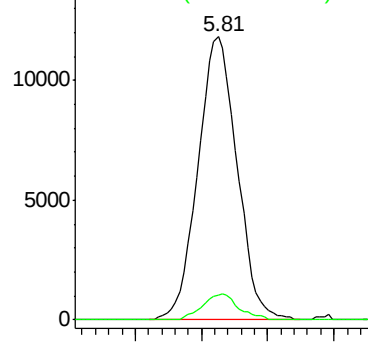
62 100

98 8.4 6.5 9.7

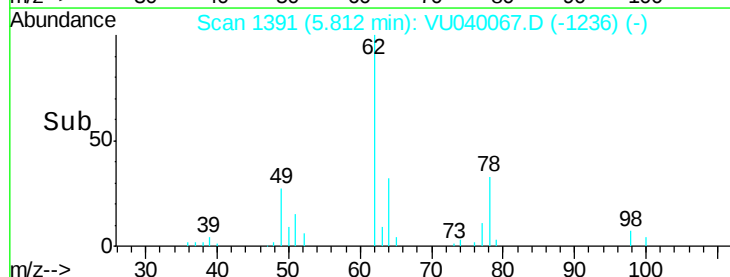


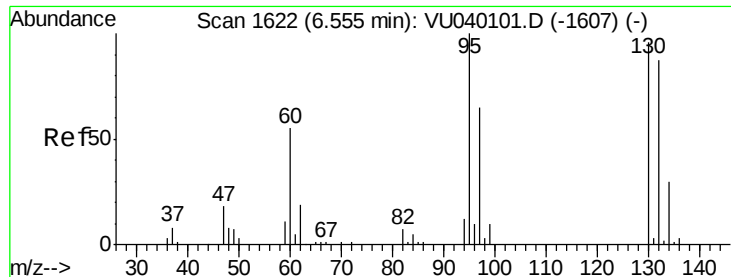
Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



Time-->





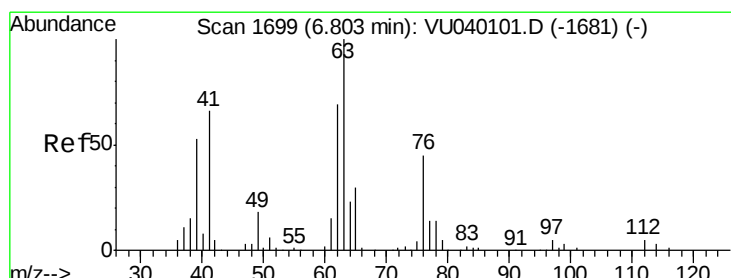
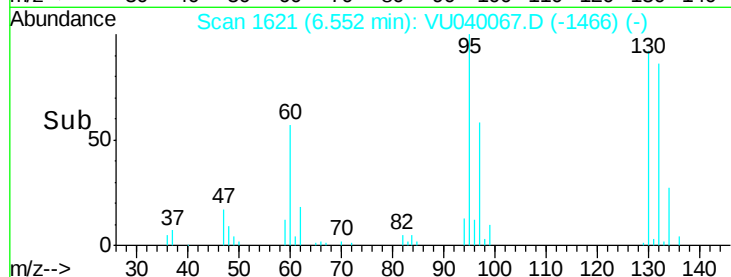
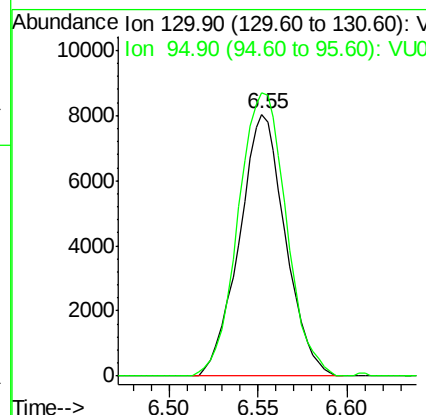
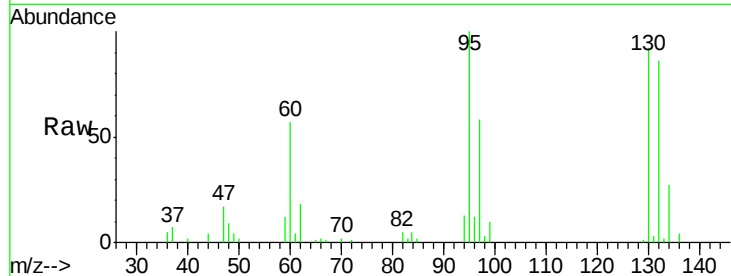
#37
 Trichloroethene
 Concen: 1.963 ug/l
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040067.D
 Acq: 09 Sep 2020 17:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0909WBS01

Tot Ion:130 Resp: 14465
 Ion Ratio Lower Upper
 130 100
 95 108.2 84.2 126.2

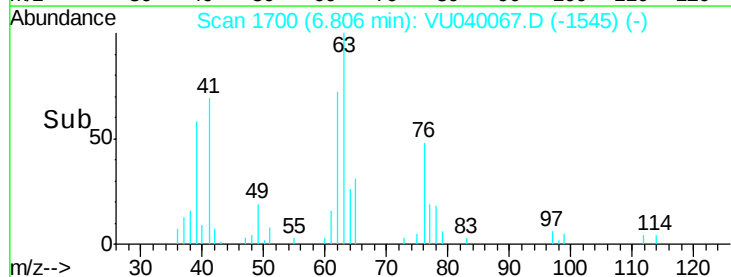
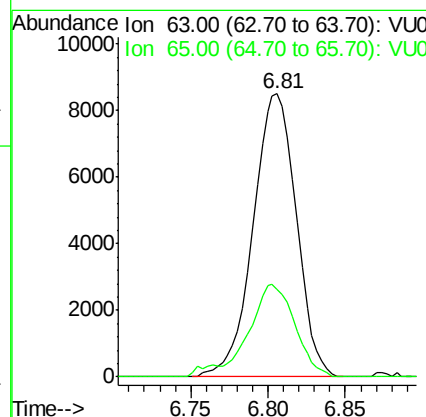
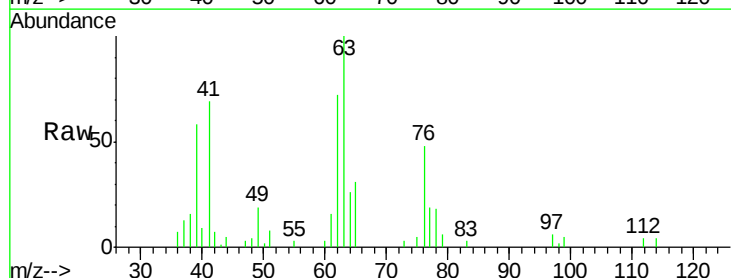
Manual Integrations
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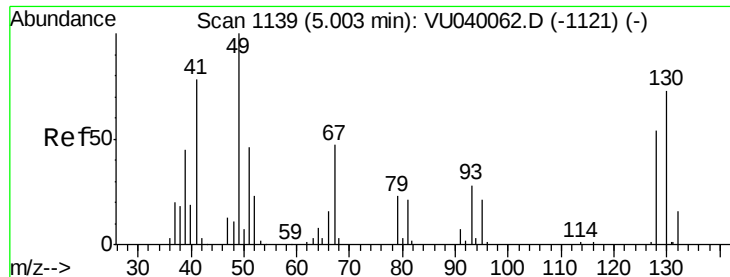
MMDadoda
 9/17/2020 4:47:33 PM



#38
 1,2-Dichloropropane
 Concen: 1.967 ug/l
 RT: 6.81 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VU040067.D
 Acq: 09 Sep 2020 17:44

Tgt Ion: 63 Resp: 16503
 Ion Ratio Lower Upper
 63 100
 65 31.1 23.0 34.6





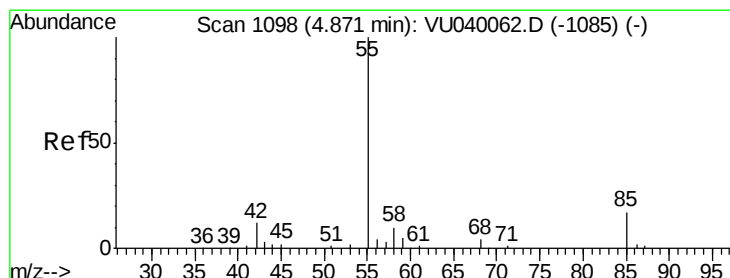
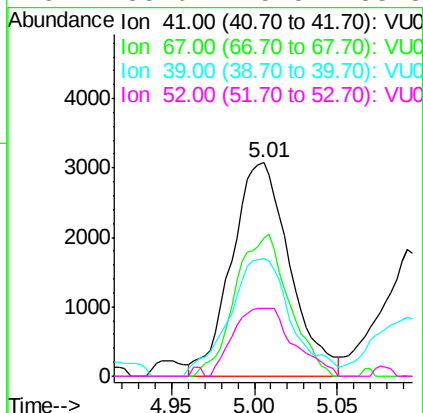
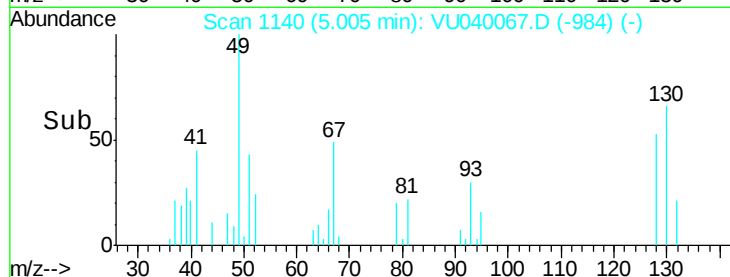
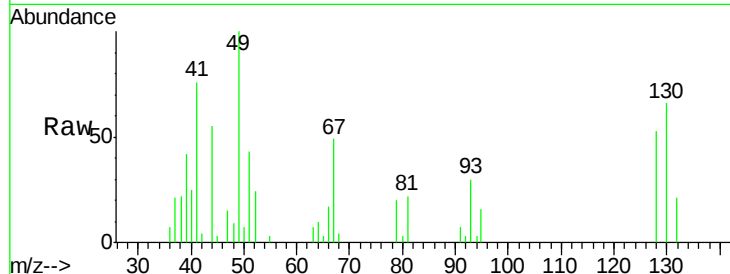
#39
Methacrylonitrile
Concen: 1.938 ug/l
RT: 5.01 min Scan# 1140
Delta R.T. 0.00 min
Lab File: VU040067.D
Acq: 09 Sep 2020 17:44

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

Tot Ion:	41	Resp:	7504
Ion	Ratio	Lower	Upper
41	100		
67	61.5	49.2	73.8
39	58.4	46.5	69.7
52	33.0	25.5	38.3

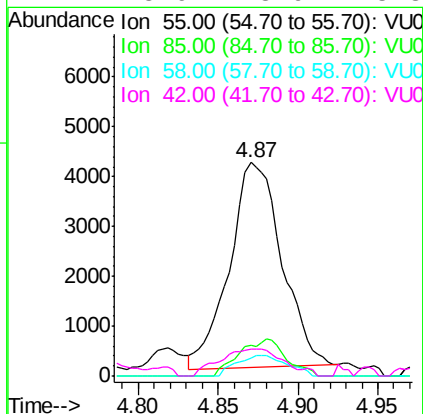
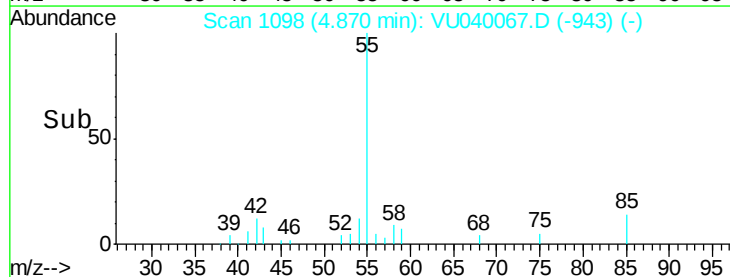
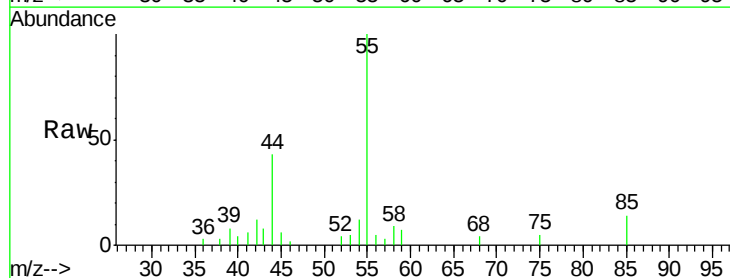
Manual Integrations
APPROVED

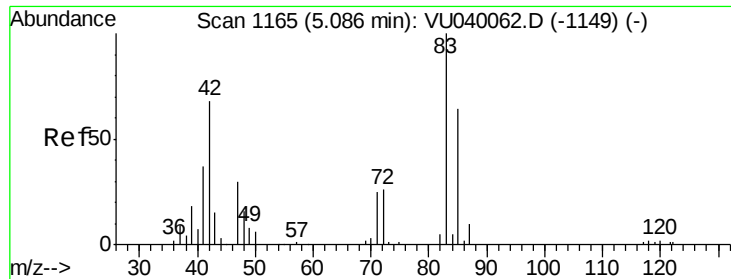
MMDadoda
9/17/2020 4:47:33 PM



#40
Methyl acrylate
Concen: 1.862 ug/l
RT: 4.87 min Scan# 1098
Delta R.T. -0.00 min
Lab File: VU040067.D
Acq: 09 Sep 2020 17:44

Tgt Ion:	55	Resp:	9245
Ion	Ratio	Lower	Upper
55	100		
85	16.0	13.3	19.9
58	9.6	7.5	11.3
42	15.9	8.9	13.3#





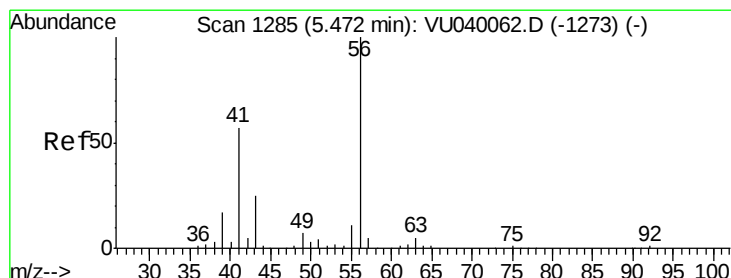
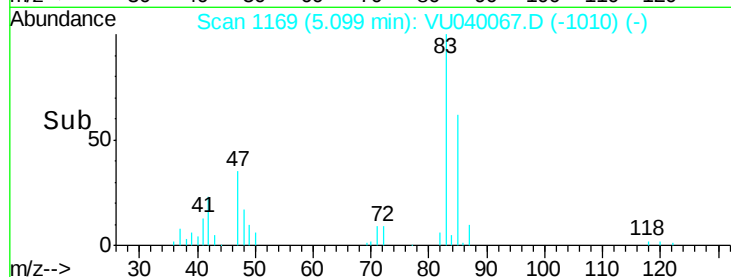
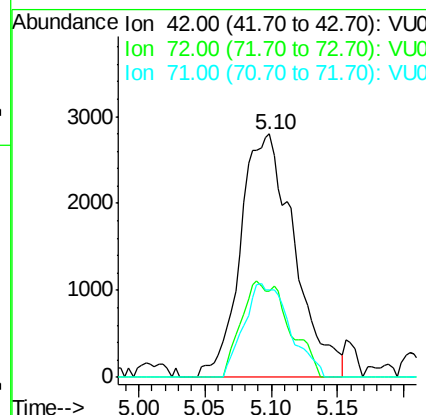
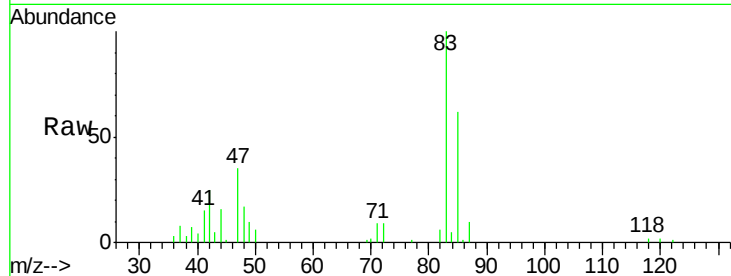
#41
Tetrahydrofuran
Concen: 4.264 ug/l
RT: 5.10 min Scan# 1169
Delta R.T. 0.01 min
Lab File: VU040067.D
Acq: 09 Sep 2020 17:44

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.0	33.8	50.6
71	32.7	30.9	46.3

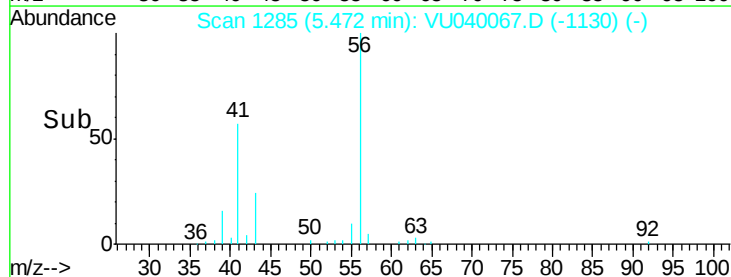
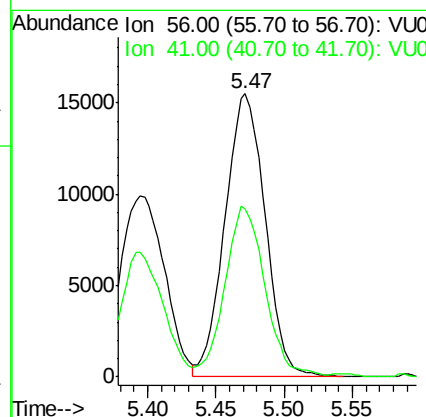
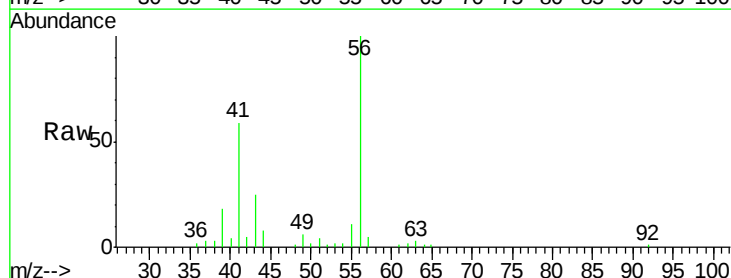
Manual Integrations
APPROVED

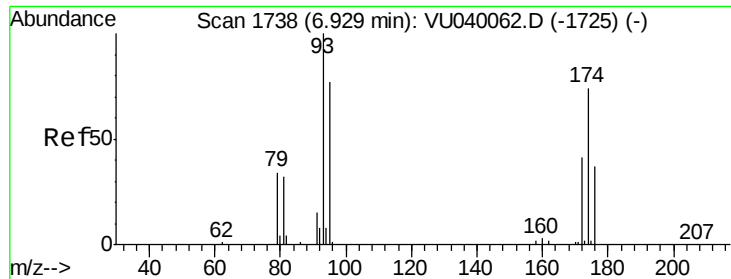
MMDadoda
9/17/2020 4:47:33 PM



#42
1-Chlorobutane
Concen: 2.052 ug/l
RT: 5.47 min Scan# 1285
Delta R.T. -0.00 min
Lab File: VU040067.D
Acq: 09 Sep 2020 17:44

Tgt Ion	Ratio	Lower	Upper
56	100		
41	58.5	29.2	87.6





#43

Dibromomethane

Concen: 1.838 ug/l

RT: 6.93 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VU040067.D

Acq: 09 Sep 2020 17:44

Instrument :

MSVOA_U

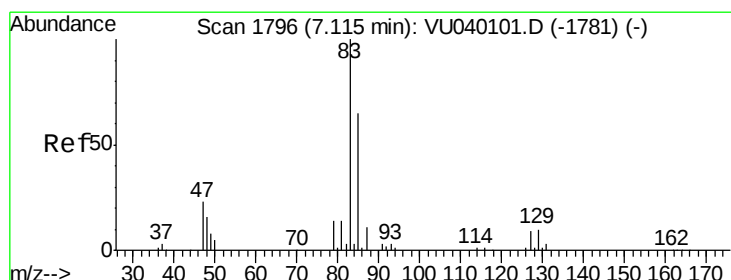
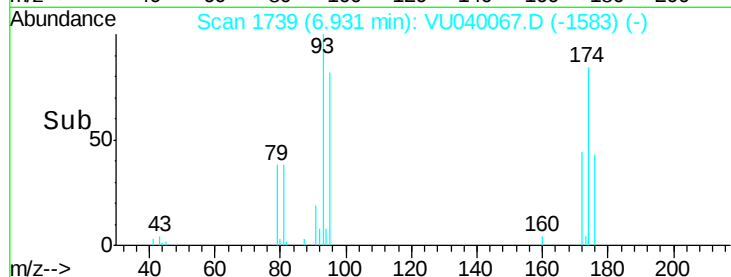
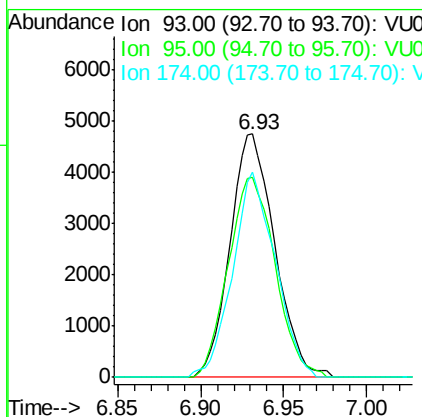
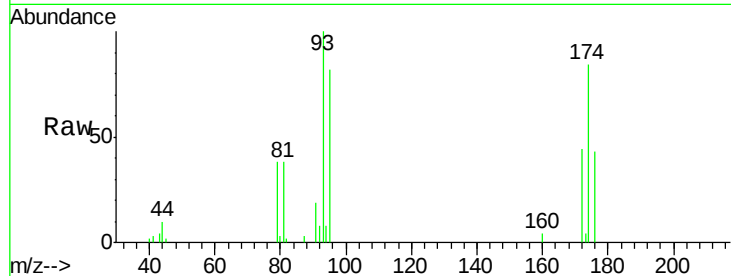
ClientSampleId :

VU0909WBS01

Tot Ion:	93	Resp:	8912
Ion	Ratio	Lower	Upper
93	100		
95	86.2	63.3	94.9
174	80.4	63.5	95.3

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#44

Bromodichloromethane

Concen: 2.007 ug/l

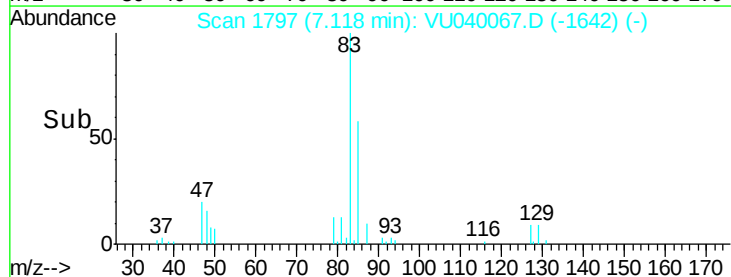
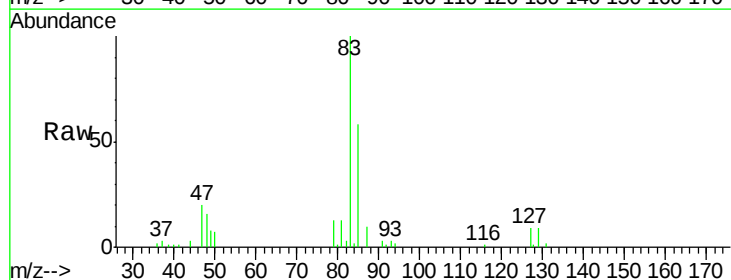
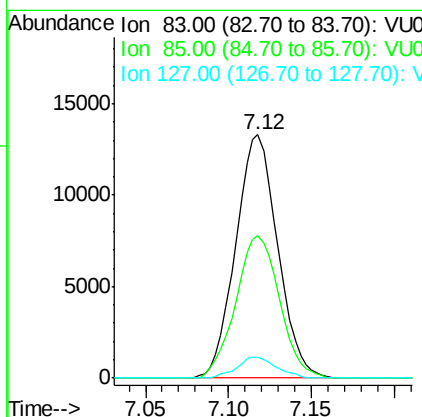
RT: 7.12 min Scan# 1797

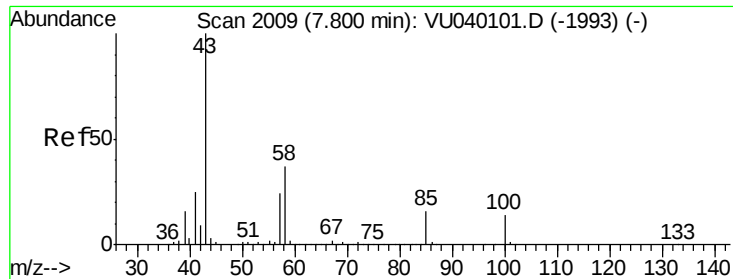
Delta R.T. -0.00 min

Lab File: VU040067.D

Acq: 09 Sep 2020 17:44

Tgt Ion:	83	Resp:	23359
Ion	Ratio	Lower	Upper
83	100		
85	58.3	52.1	78.1
127	8.7	6.6	9.8





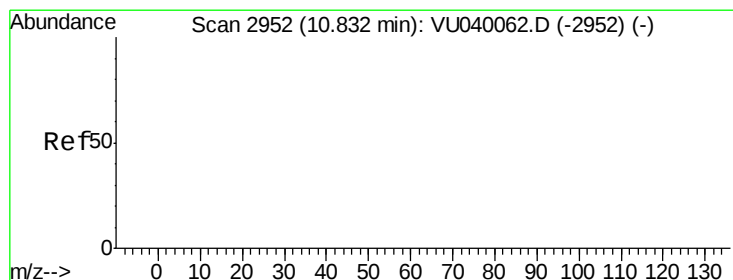
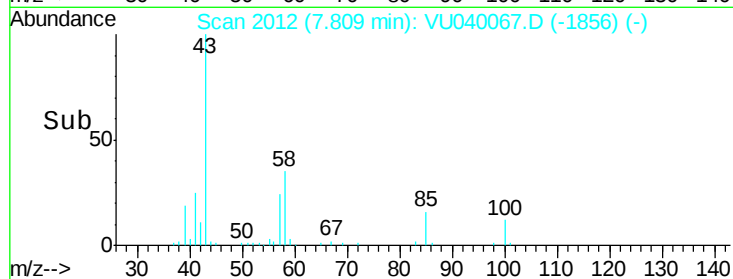
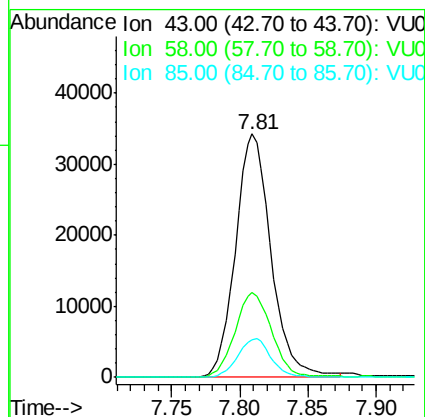
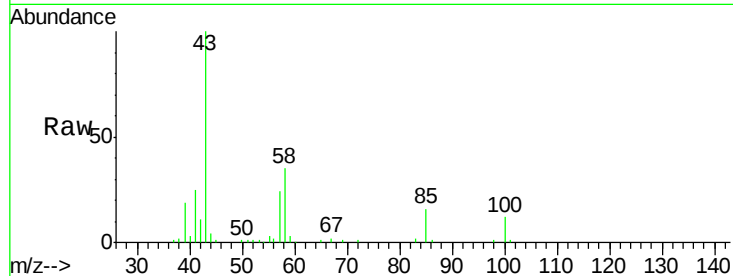
#45
4-Methyl-2-Pentanone
Concen: 9.395 ug/l
RT: 7.81 min Scan# 2012
Delta R.T. 0.00 min
Lab File: VU040067.D
Acq: 09 Sep 2020 17:44

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.8	18.1	54.3
85	14.9	12.3	18.5

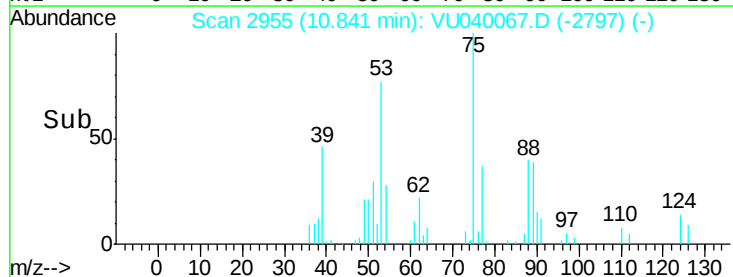
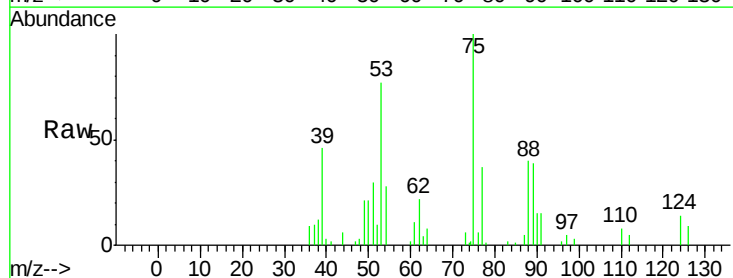
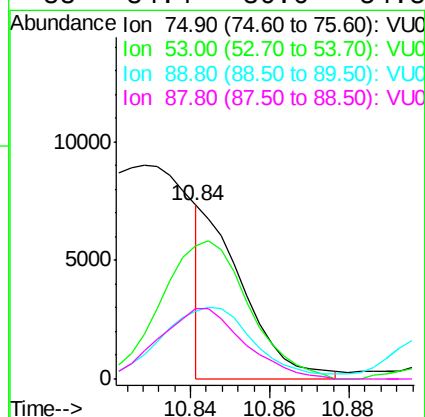
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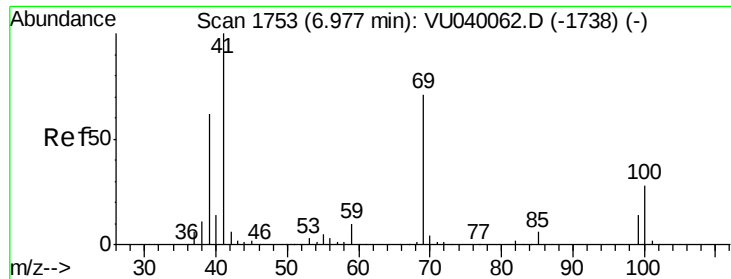
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#46
t-1,4-Dichloro-2-butene
Concen: 2.096 ug/l m
RT: 10.84 min Scan# 2955
Delta R.T. 0.01 min
Lab File: VU040067.D
Acq: 09 Sep 2020 17:44

Tgt Ion	Ratio	Lower	Upper
75	100		
53	170.5	75.0	112.6#
89	94.2	41.6	62.4#
88	84.4	36.6	54.8#





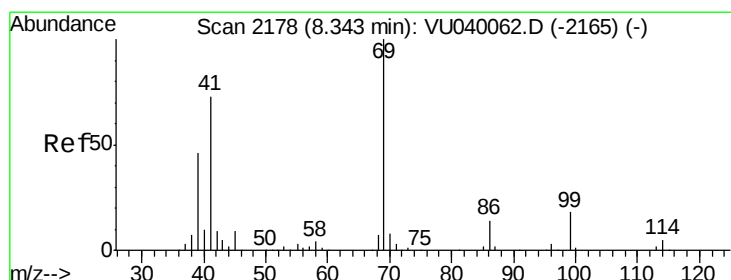
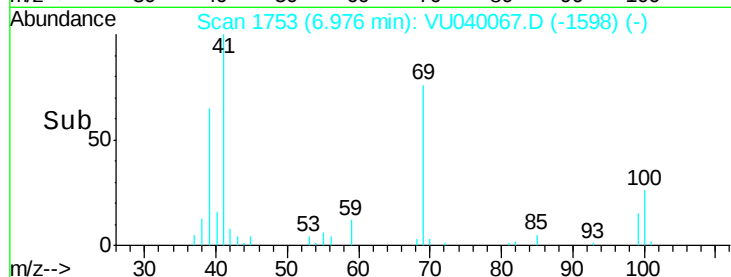
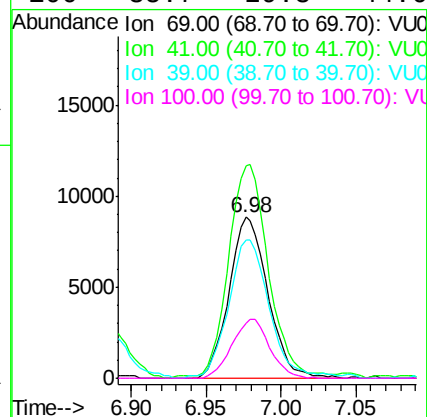
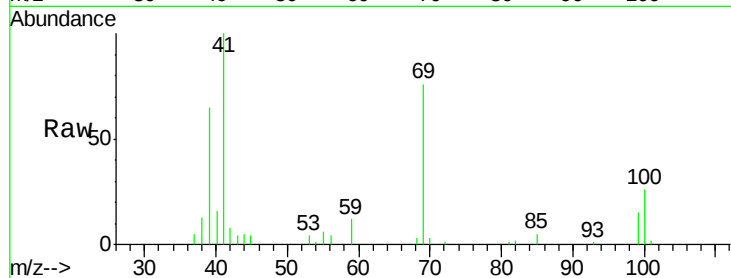
#47
Methyl methacrylate
Concen: 3.841 ug/l
RT: 6.98 min Scan# 1753
Delta R.T. -0.00 min
Lab File: VU040067.D
Acq: 09 Sep 2020 17:44

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

Tot Ion	Ratio	Lower	Upper
69	100		
41	132.3	0.0	273.0
39	90.4	67.8	101.6
100	35.7	29.8	44.6

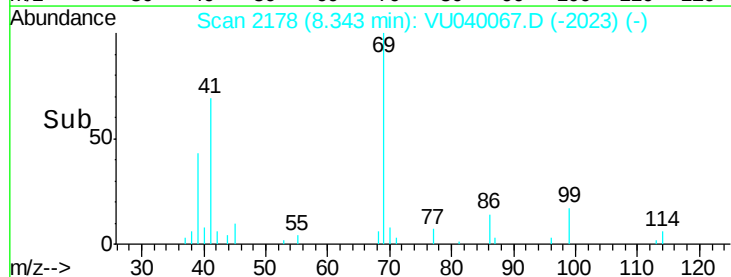
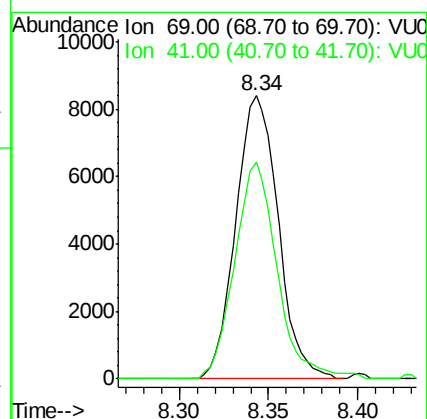
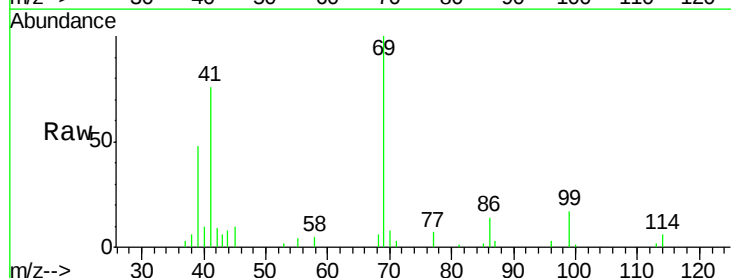
Manual Integrations
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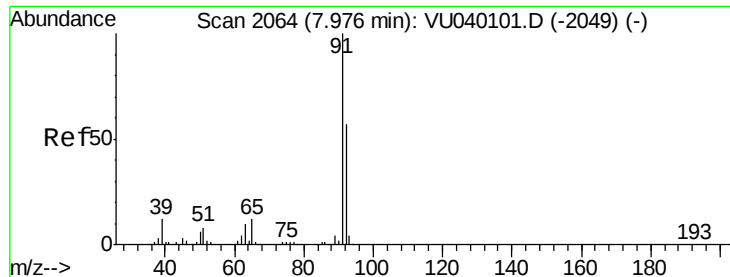
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#48
Ethyl methacrylate
Concen: 1.844 ug/l
RT: 8.34 min Scan# 2178
Delta R.T. -0.00 min
Lab File: VU040067.D
Acq: 09 Sep 2020 17:44

Tgt Ion	Ratio	Lower	Upper
69	100		
41	76.6	37.8	113.3





#49

Toluene

Concen: 1.849 ug/l

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU040067.D

Acq: 09 Sep 2020 17:44

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBS01

Tot Ion: 92 Resp: 32389

Ion Ratio Lower Upper

92 100

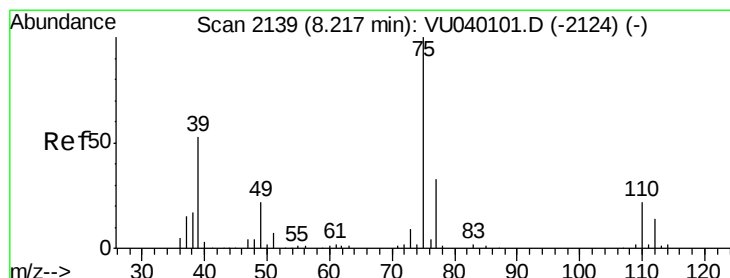
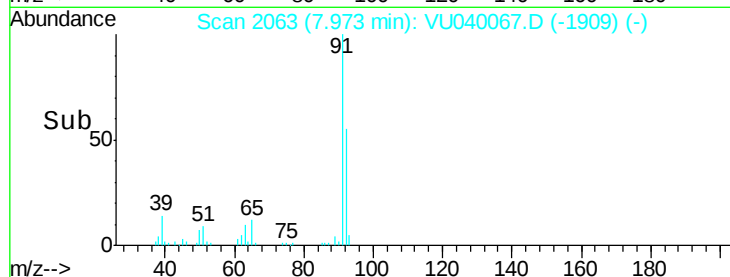
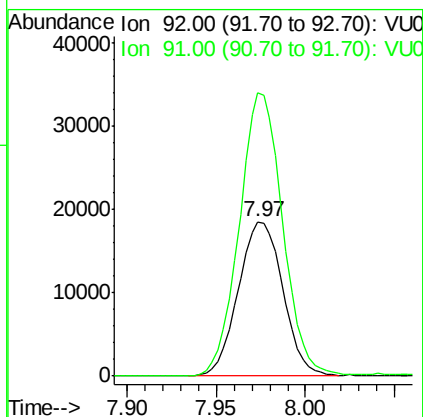
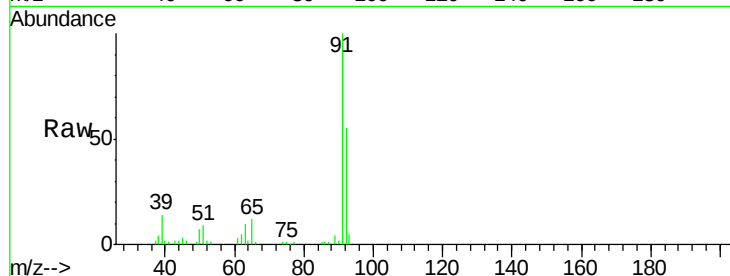
91 178.0 138.6 207.8

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#50

t-1,3-Dichloropropene

Concen: 1.861 ug/l

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU040067.D

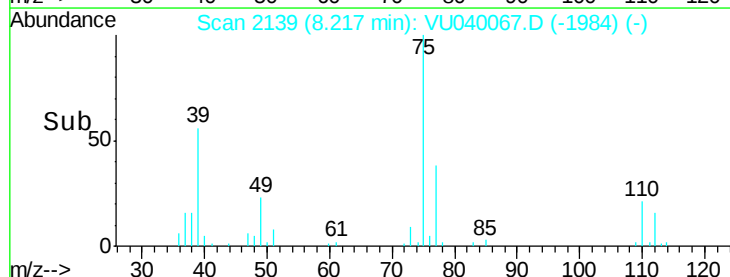
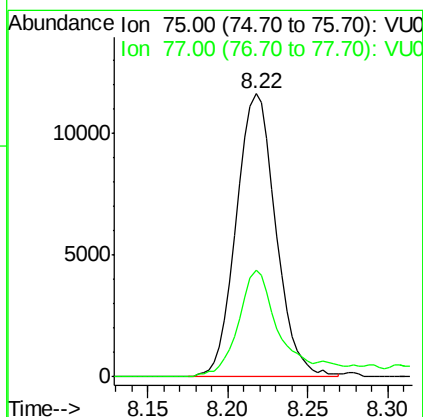
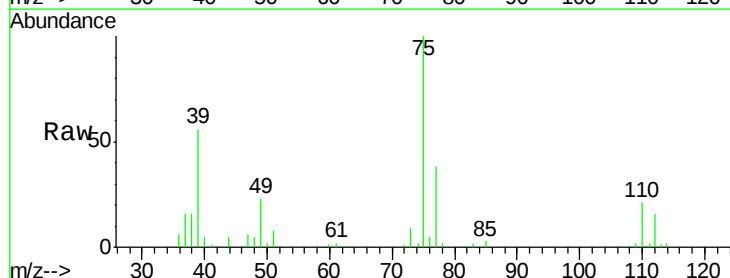
Acq: 09 Sep 2020 17:44

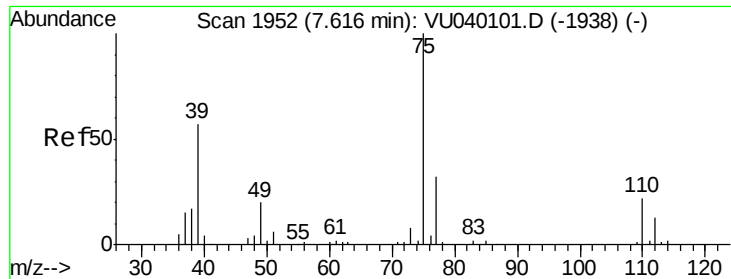
Tgt Ion: 75 Resp: 19543

Ion Ratio Lower Upper

75 100

77 37.6 24.4 36.6#





#51

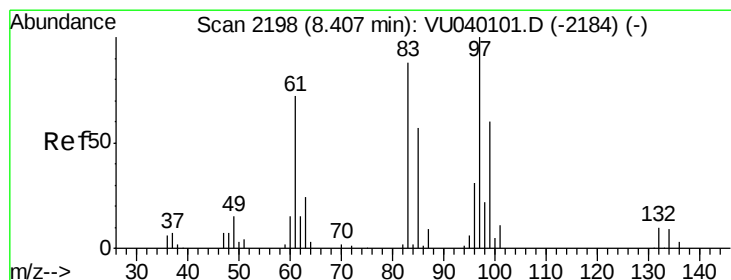
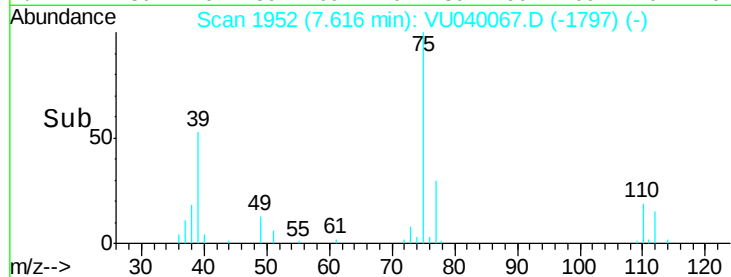
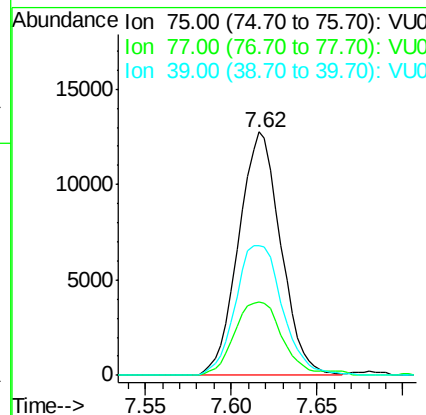
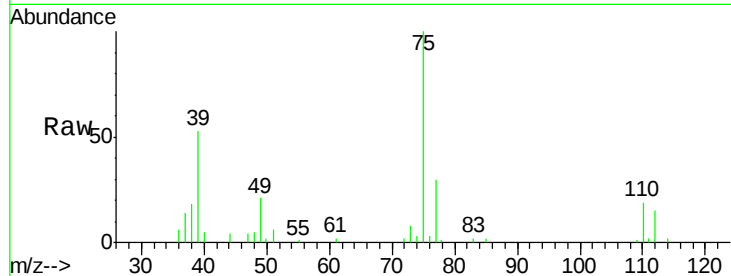
cis-1,3-Dichloropropene
Concen: 1.859 ug/l
RT: 7.62 min Scan# 1952
Delta R.T. -0.00 min
Lab File: VU040067.D
Acq: 09 Sep 2020 17:44

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.9	24.6	37.0
39	53.0	46.2	69.4

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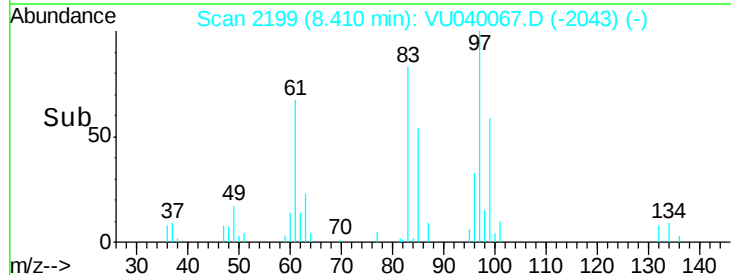
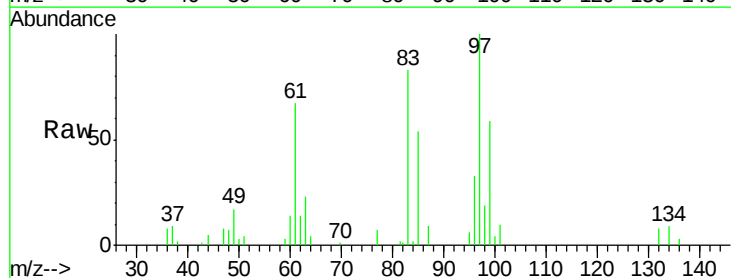
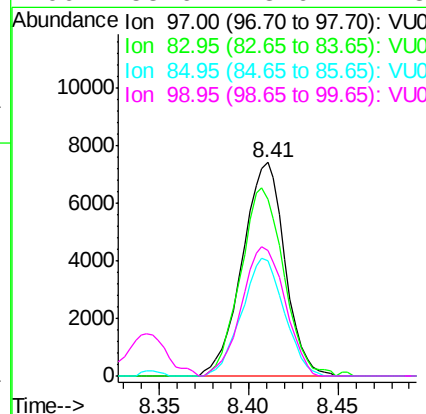
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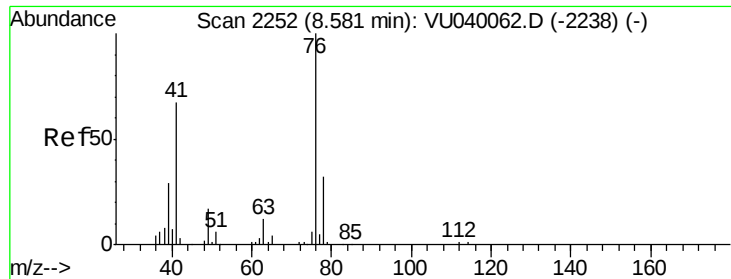


#52

1,1,2-Trichloroethane
Concen: 1.985 ug/l
RT: 8.41 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VU040067.D
Acq: 09 Sep 2020 17:44

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.9	68.7	103.1
85	53.9	46.7	70.1
99	58.6	48.6	72.8





#53

1,3-Dichloropropane

Concen: 1.978 ug/l

RT: 8.58 min Scan# 2252

Delta R.T. -0.00 min

Lab File: VU040067.D

Acq: 09 Sep 2020 17:44

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBS01

Tot Ion: 76 Resp: 22059

Ion Ratio Lower Upper

76 100

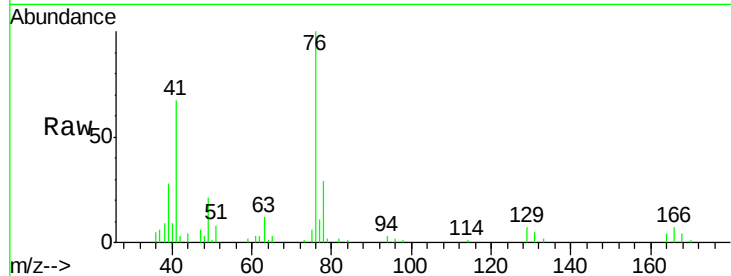
78 31.3 26.2 39.2

Manual Integrations

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Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

15000

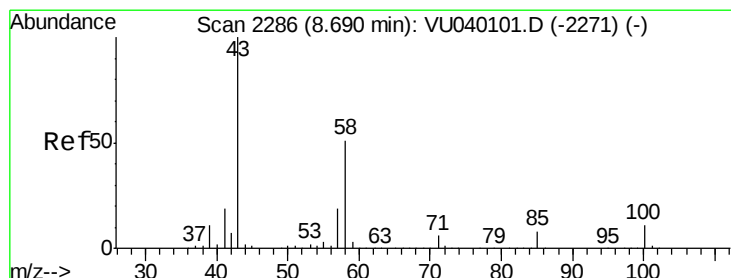
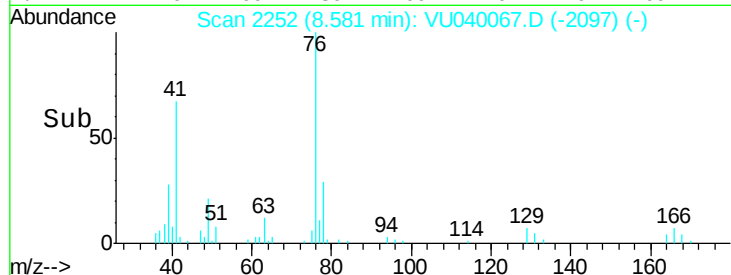
10000

5000

0

8.50 8.55 8.60 8.65

Time-->



#54

2-Hexanone

Concen: 9.223 ug/l

RT: 8.70 min Scan# 2288

Delta R.T. 0.00 min

Lab File: VU040067.D

Acq: 09 Sep 2020 17:44

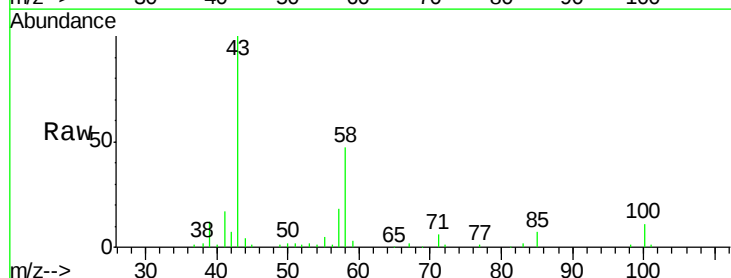
Tgt Ion: 43 Resp: 44168

Ion Ratio Lower Upper

43 100

58 45.5 29.6 69.6

57 16.9 0.0 37.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

30000

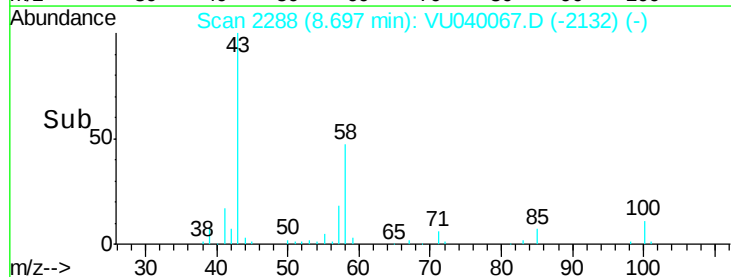
20000

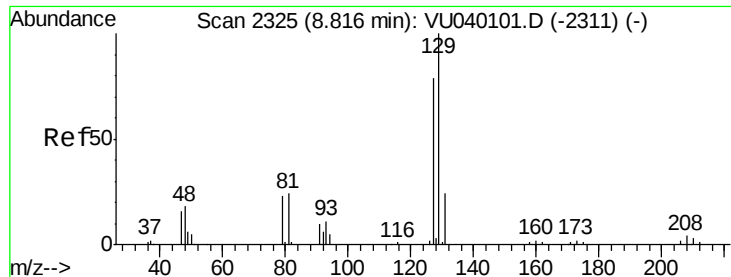
10000

0

8.65 8.70 8.75

Time-->





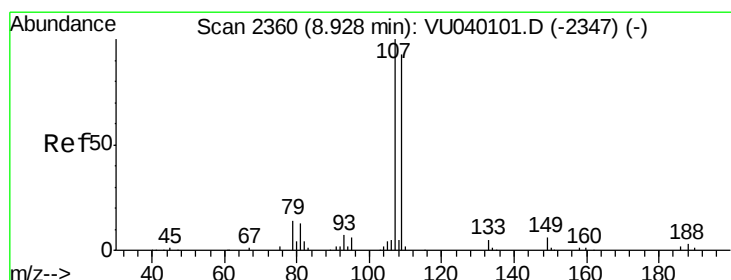
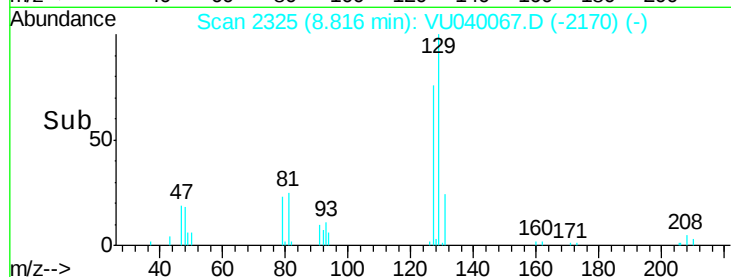
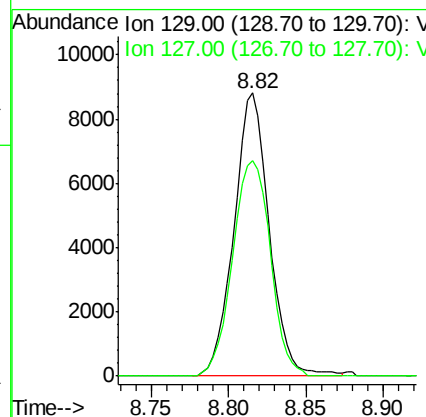
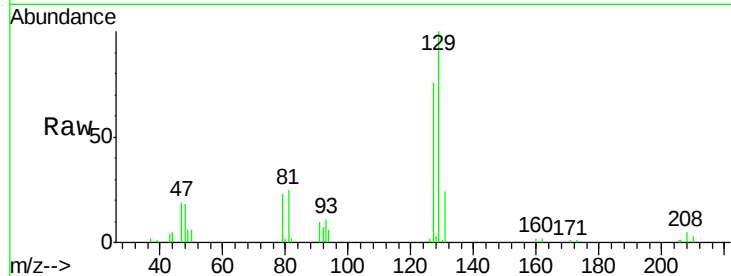
#55
Dibromochloromethane
Concen: 1.923 ug/l
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU040067.D
Acq: 09 Sep 2020 17:44

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

Tot Ion	Ratio	Lower	Upper
129	100		
127	81.5	62.7	94.1

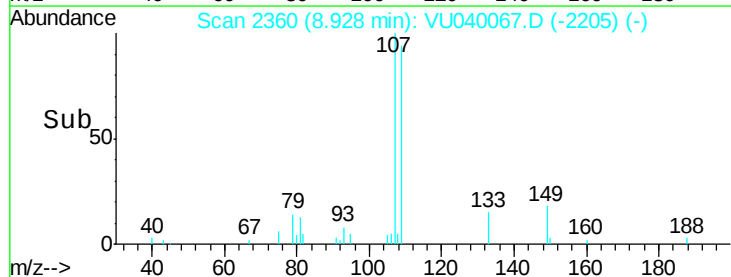
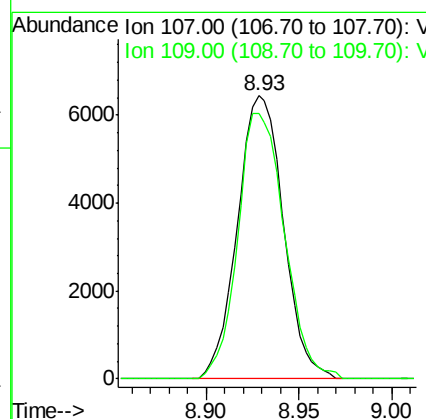
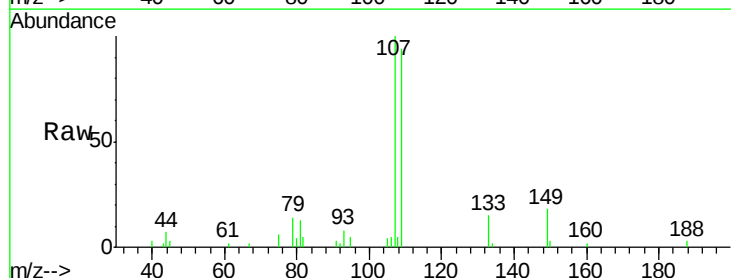
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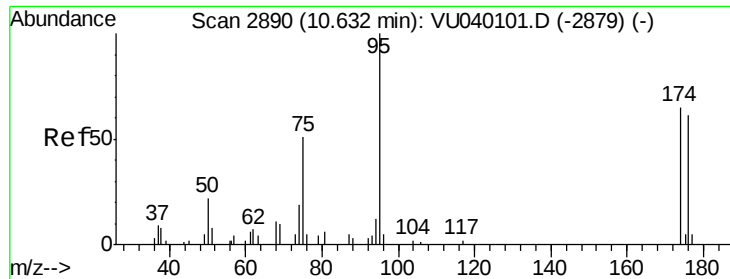
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#56
1,2-Dibromoethane
Concen: 1.908 ug/l
RT: 8.93 min Scan# 2360
Delta R.T. -0.00 min
Lab File: VU040067.D
Acq: 09 Sep 2020 17:44

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.4	0.0	191.0





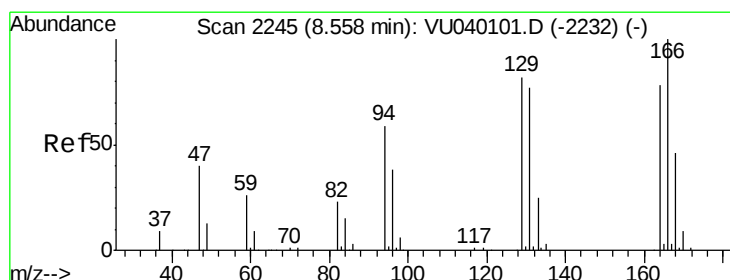
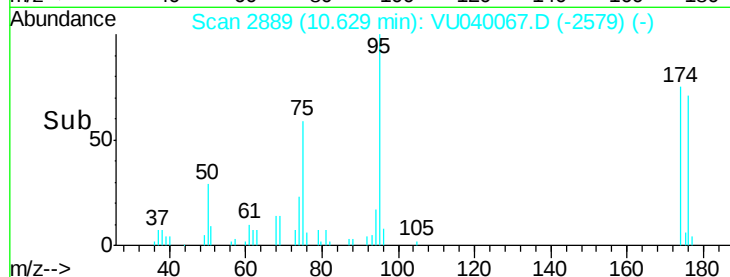
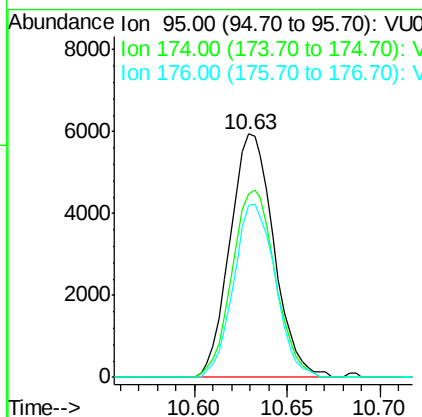
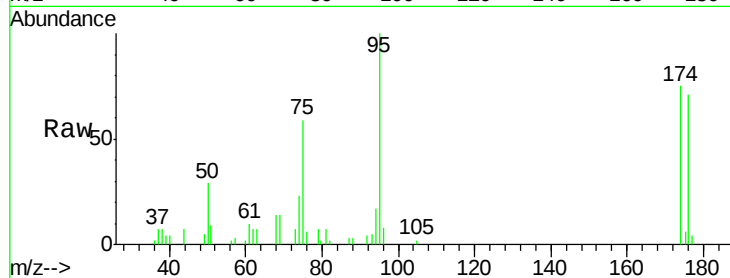
#57
4-Bromofluorobenzene
Concen: 0.879 ug/l
RT: 10.63 min Scan# 2889
Delta R.T. -0.00 min
Lab File: VU040067.D
Acq: 09 Sep 2020 17:44

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

Tot Ion	Ratio	Resp	Lower	Upper
95	100	9755		
174	75.8	49.4	74.0#	
176	67.5	50.1	75.1	

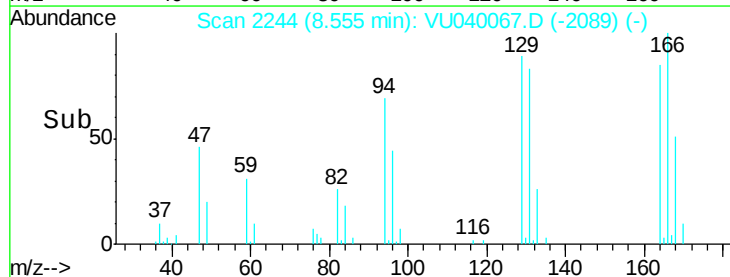
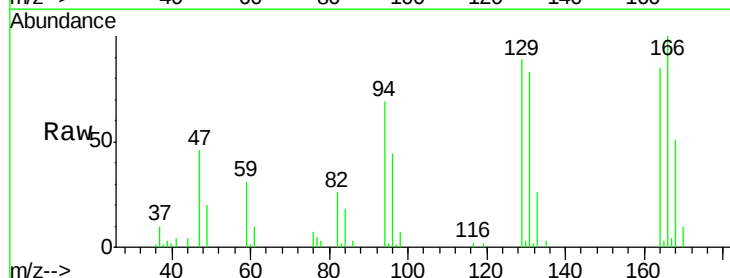
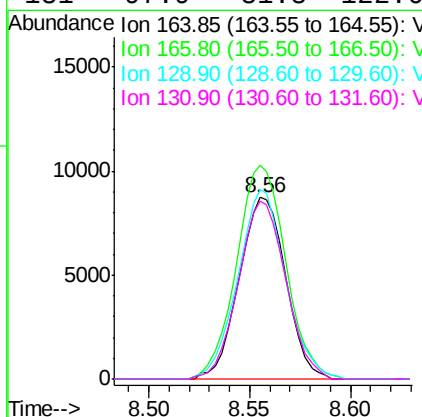
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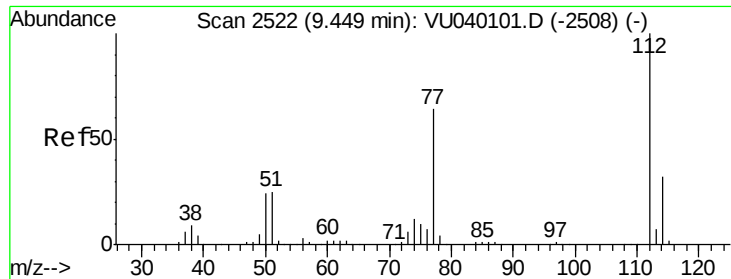
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#58
Tetrachloroethene
Concen: 1.971 ug/l
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU040067.D
Acq: 09 Sep 2020 17:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	14092		
166	117.9	101.3	151.9	
129	104.8	84.8	127.2	
131	97.9	81.8	122.6	





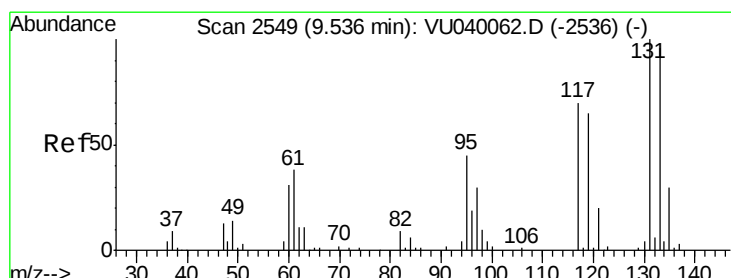
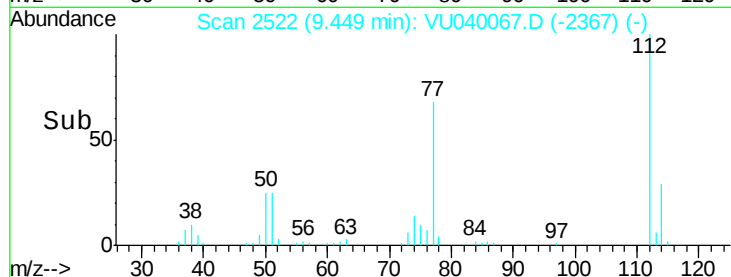
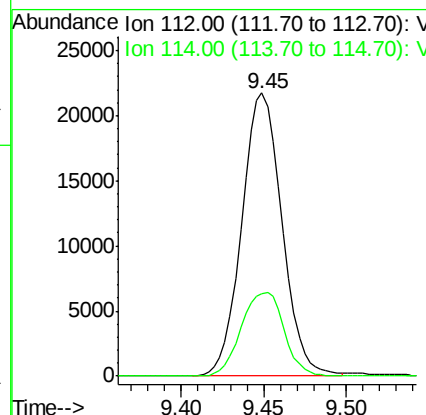
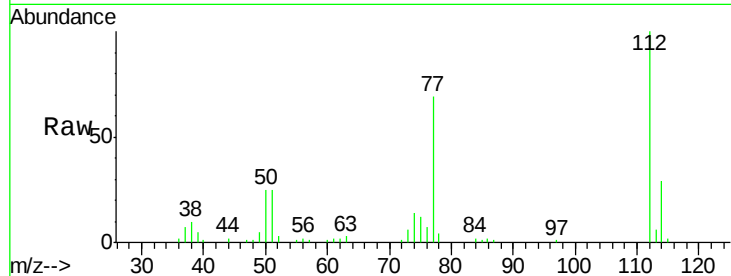
#59
Chlorobenzene
Concen: 1.892 ug/l
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU040067.D
Acq: 09 Sep 2020 17:44

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

Tot Ion:112 Resp: 36756
Ion Ratio Lower Upper
112 100
114 29.3 24.8 37.2

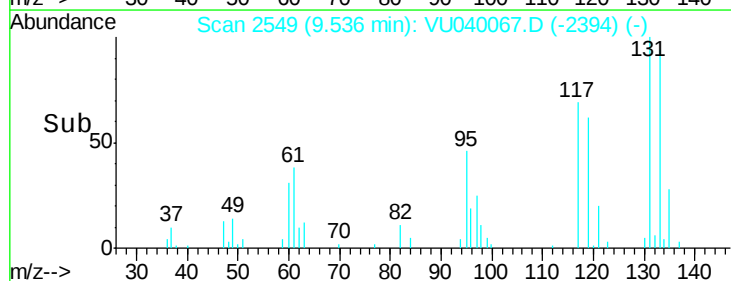
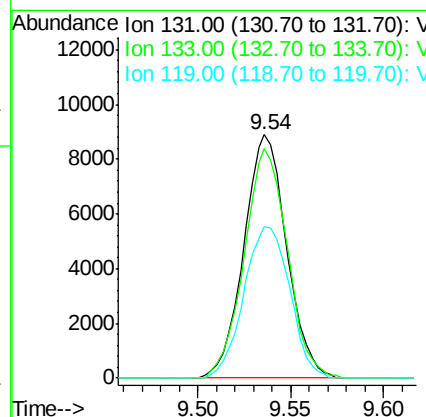
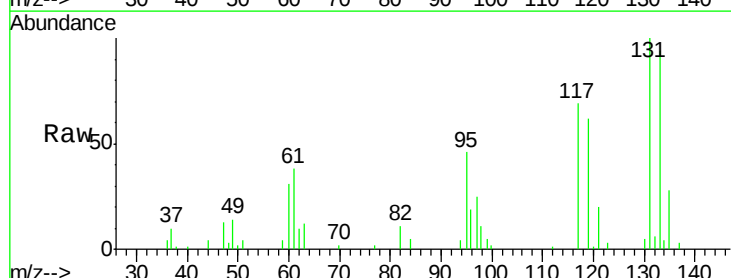
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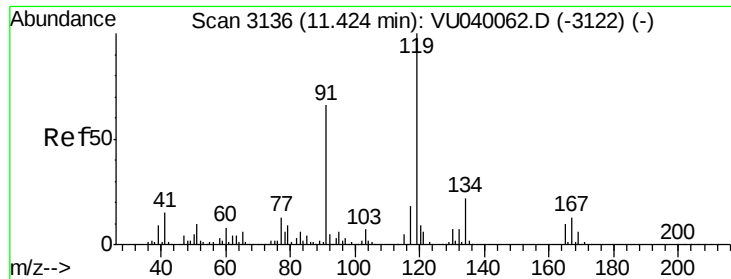
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9/17/2020 4:47:33 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 1.999 ug/l
RT: 9.54 min Scan# 2549
Delta R.T. -0.00 min
Lab File: VU040067.D
Acq: 09 Sep 2020 17:44

Tgt Ion:131 Resp: 14219
Ion Ratio Lower Upper
131 100
133 95.2 75.4 113.2
119 66.6 51.5 77.3





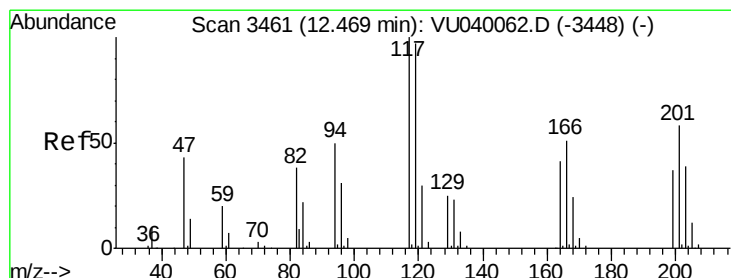
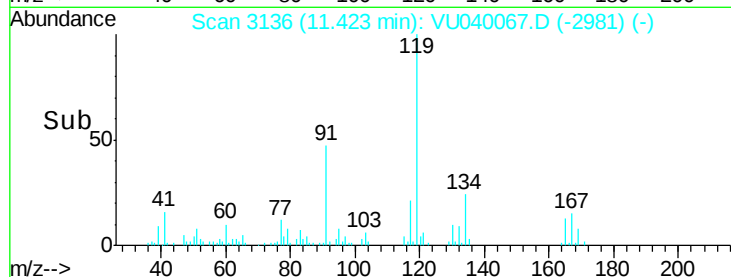
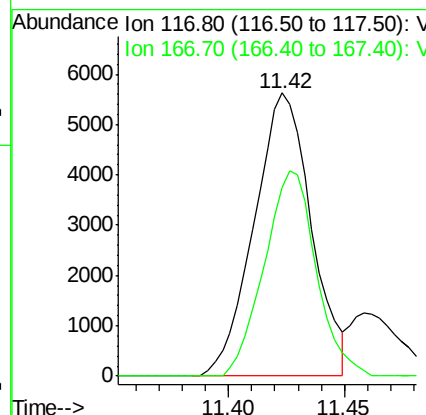
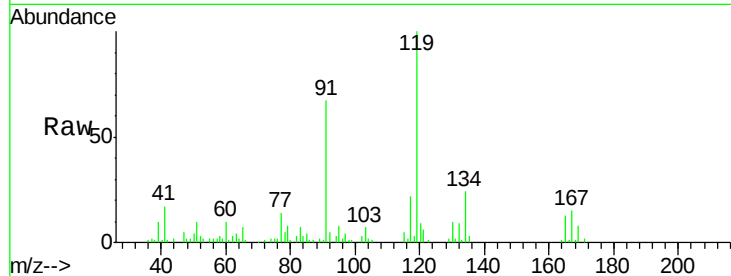
#61
 Pentachloroethane
 Concen: 1.991 ug/l
 RT: 11.42 min Scan# 3136
 Delta R.T. -0.00 min
 Lab File: VU040067.D
 Acq: 09 Sep 2020 17:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0909WBS01

Tot Ion:117 Resp: 9658
 Ion Ratio Lower Upper
 117 100
 167 65.8 54.5 81.7

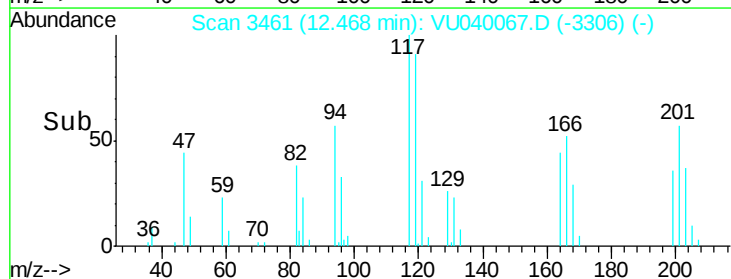
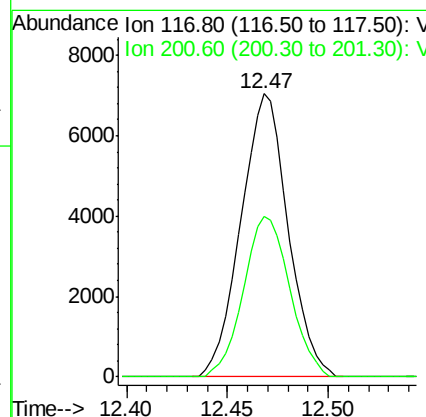
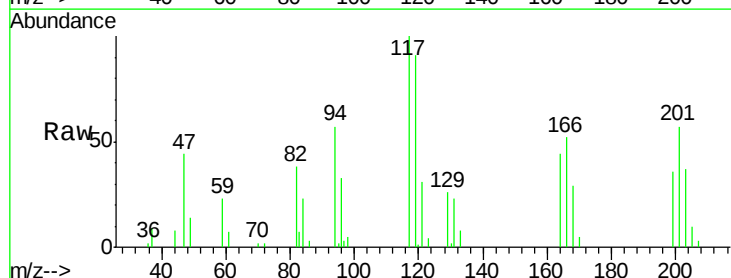
Manual Integrations
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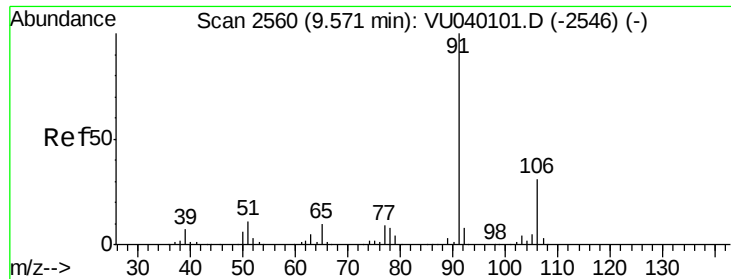
MMDadoda
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#62
 Hexachloroethane
 Concen: 1.866 ug/l
 RT: 12.47 min Scan# 3461
 Delta R.T. -0.00 min
 Lab File: VU040067.D
 Acq: 09 Sep 2020 17:44

Tgt Ion:117 Resp: 11503
 Ion Ratio Lower Upper
 117 100
 201 55.7 47.0 70.4





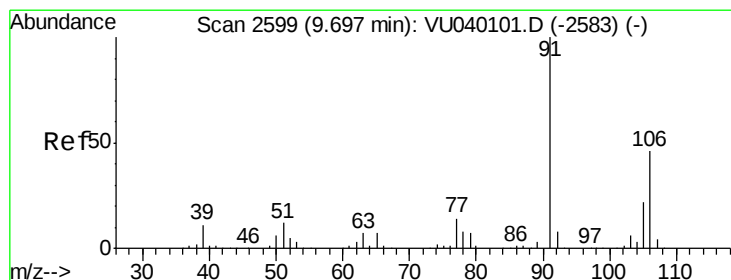
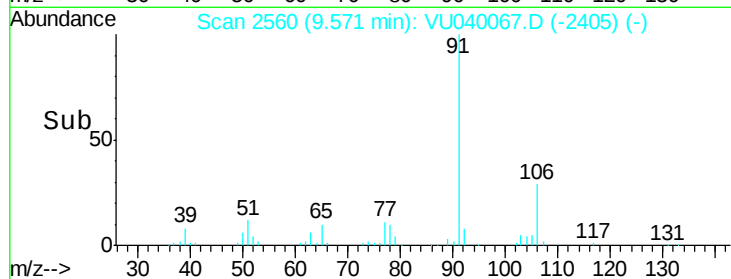
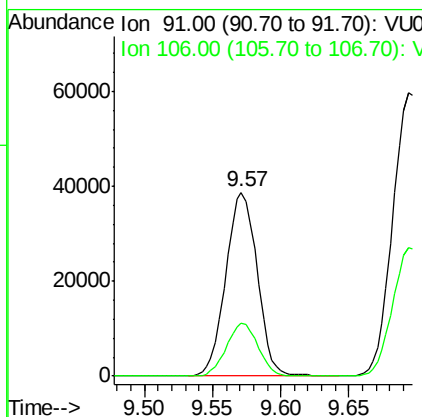
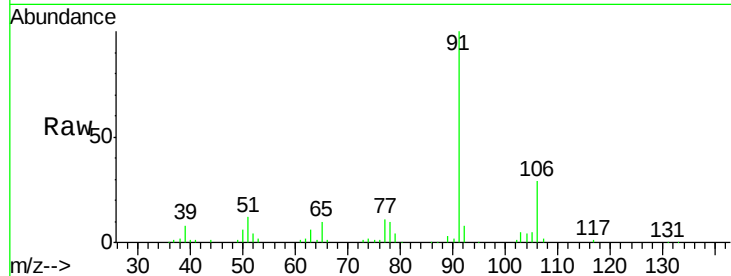
#63
Ethyl Benzene
Concen: 1.877 ug/l
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU040067.D
Acq: 09 Sep 2020 17:44

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

Tot Ion: 91 Resp: 62209
Ion Ratio Lower Upper
91 100
106 28.5 23.8 35.8

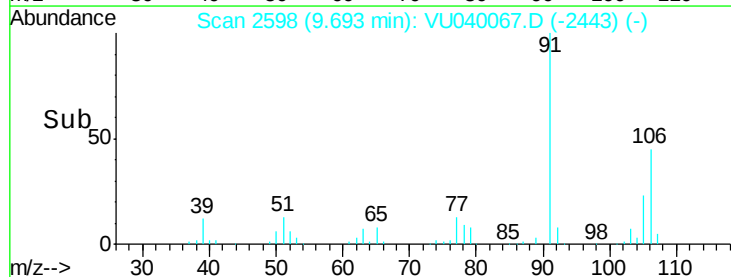
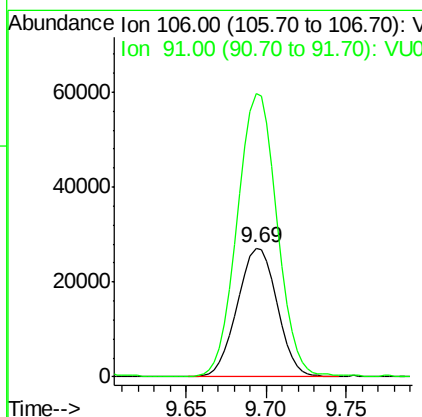
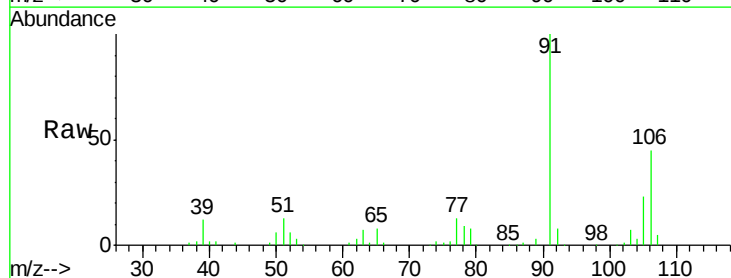
Manual Integrations
APPROVED

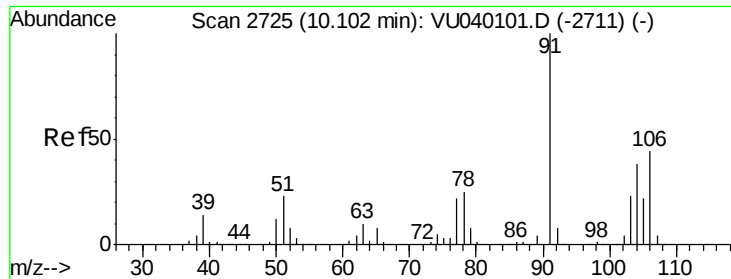
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#64
m/p-Xylenes
Concen: 3.736 ug/l
RT: 9.69 min Scan# 2598
Delta R.T. -0.00 min
Lab File: VU040067.D
Acq: 09 Sep 2020 17:44

Tgt Ion: 106 Resp: 46259
Ion Ratio Lower Upper
106 100
91 219.8 171.4 257.2





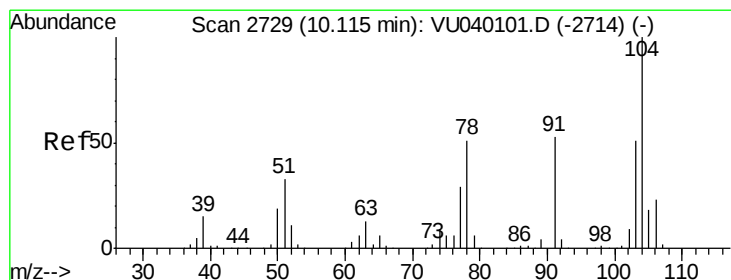
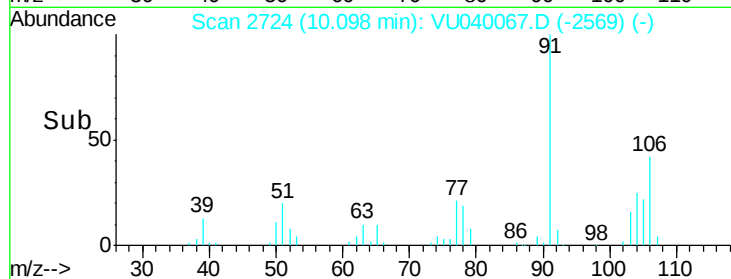
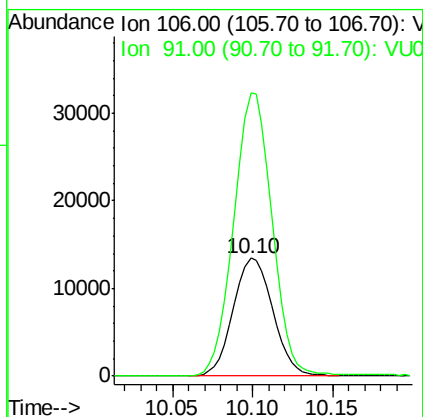
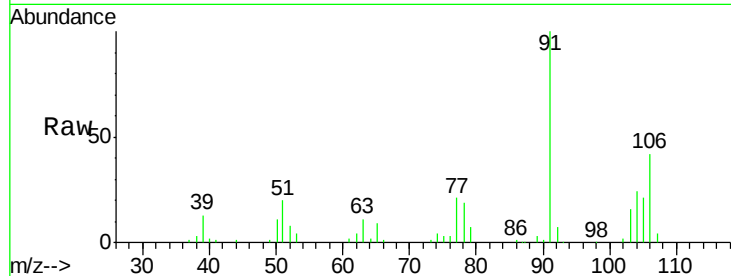
#65
o-Xylene
Concen: 1.908 ug/l
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU040067.D
Acq: 09 Sep 2020 17:44

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

Tot Ion:106 Resp: 22811
Ion Ratio Lower Upper
106 100
91 230.5 114.2 342.6

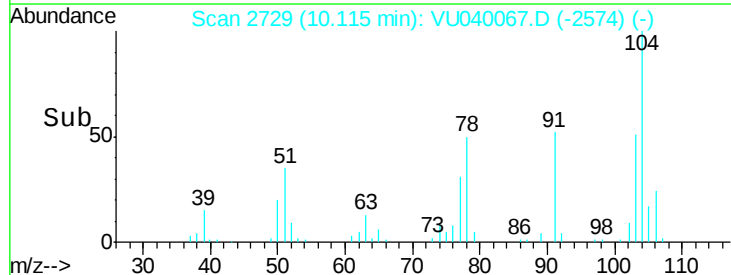
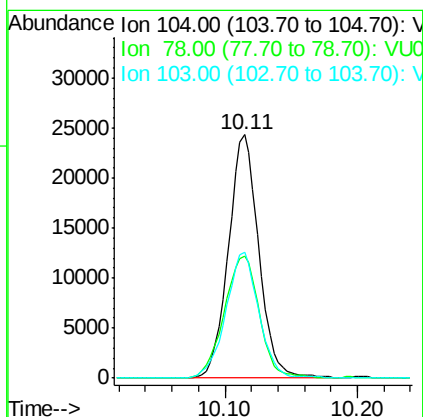
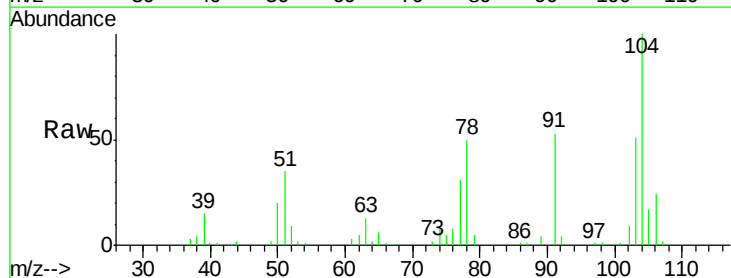
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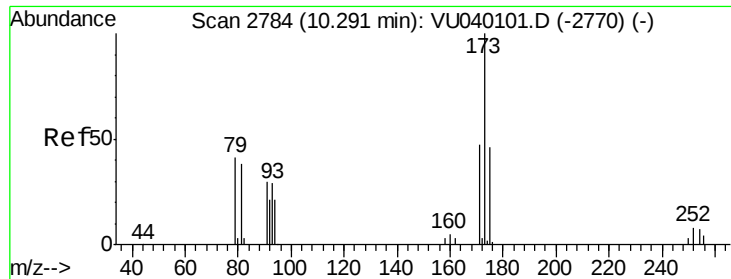
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#66
Styrene
Concen: 1.846 ug/l
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU040067.D
Acq: 09 Sep 2020 17:44

Tgt Ion:104 Resp: 38768
Ion Ratio Lower Upper
104 100
78 57.8 43.9 65.9
103 55.8 43.7 65.5





#67

Bromoform

Concen: 1.903 ug/l

RT: 10.29 min Scan# 2785

Delta R.T. 0.00 min

Lab File: VU040067.D

Acq: 09 Sep 2020 17:44

Instrument :

MSVOA_U

ClientSampleId :

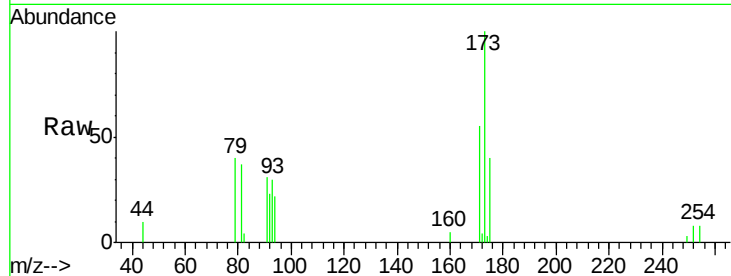
VU0909WBS01

Tot Ion:173 Resp: 7104

Ion	Ratio	Lower	Upper
173	100		
175	46.8	38.0	57.0
254	7.2	5.8	8.8

Manual Integrations
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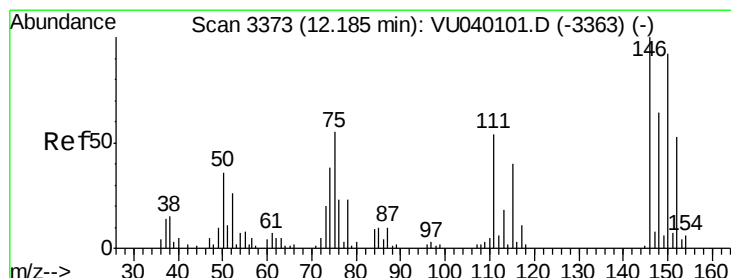
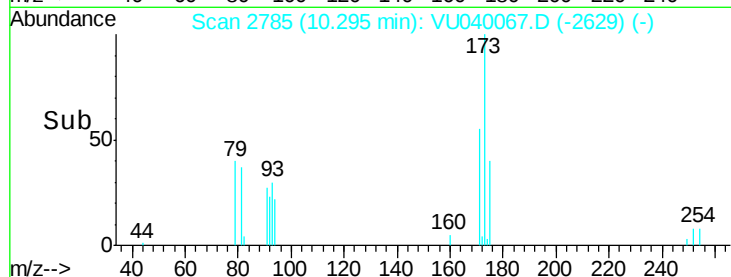
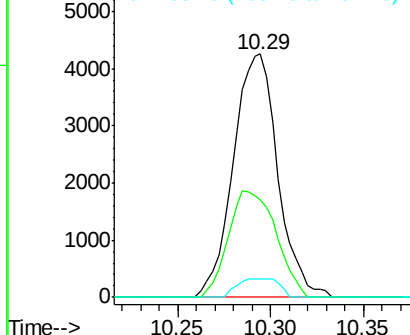
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 0.955 ug/l

RT: 12.19 min Scan# 3373

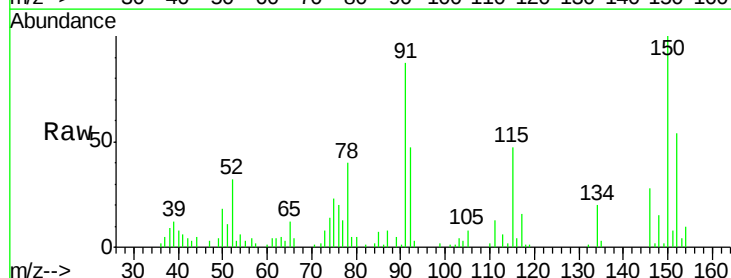
Delta R.T. -0.00 min

Lab File: VU040067.D

Acq: 09 Sep 2020 17:44

Tgt Ion:152 Resp: 9691

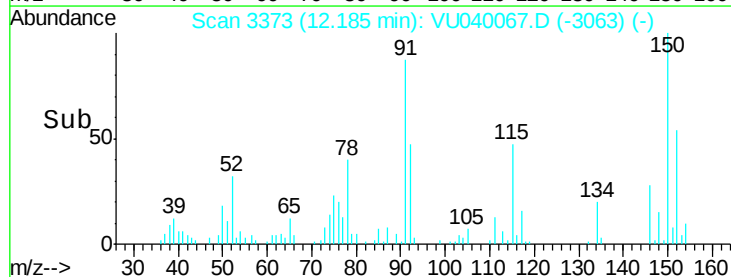
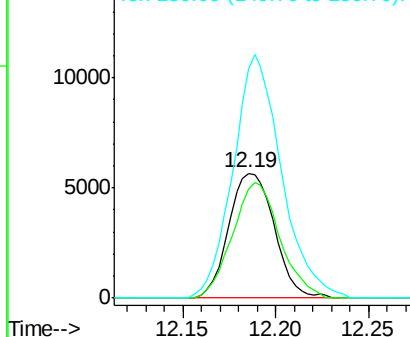
Ion	Ratio	Lower	Upper
152	100		
115	96.0	0.0	309.0
150	207.5	0.0	658.2

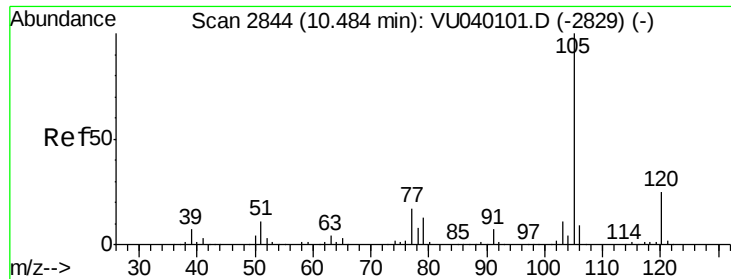


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 1.844 ug/l

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040067.D

Acq: 09 Sep 2020 17:44

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBS01

Tot Ion: 105 Resp: 60682

Ion Ratio Lower Upper

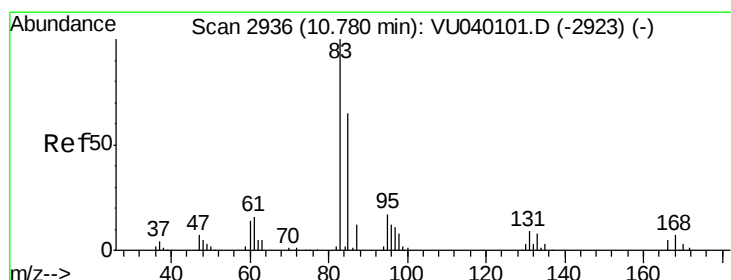
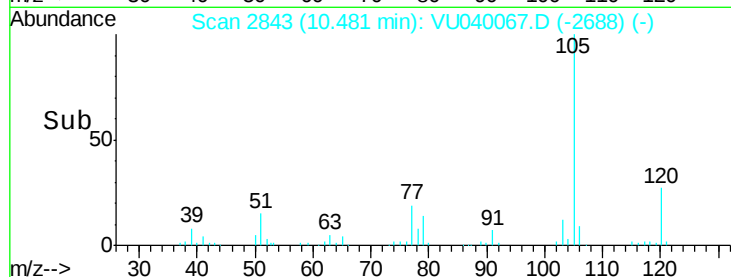
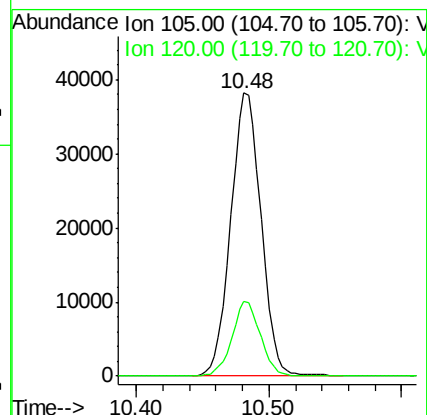
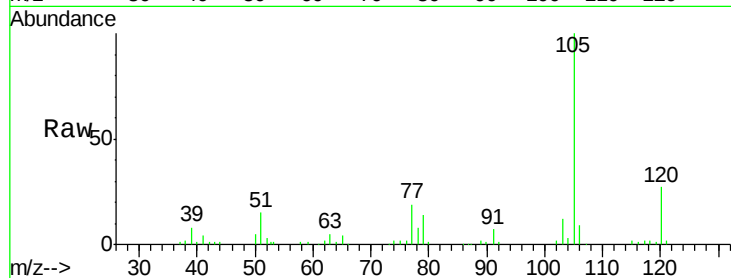
105 100

120 24.4 12.4 37.4

Manual Integrations
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#70

1,1,2,2-Tetrachloroethane

Concen: 2.051 ug/l

RT: 10.78 min Scan# 2937

Delta R.T. 0.00 min

Lab File: VU040067.D

Acq: 09 Sep 2020 17:44

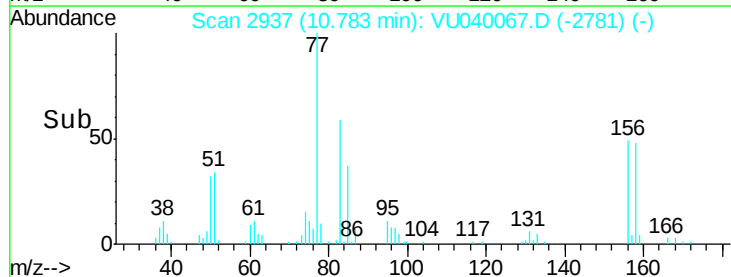
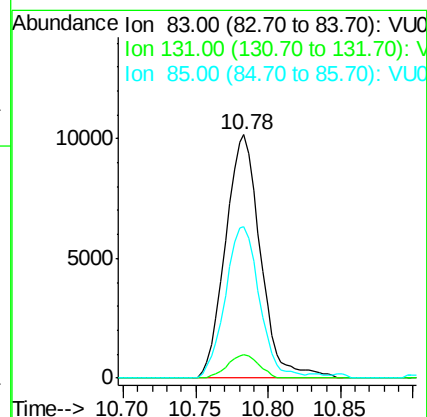
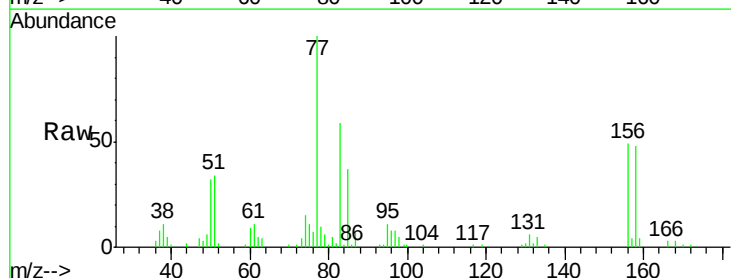
Tgt Ion: 83 Resp: 17033

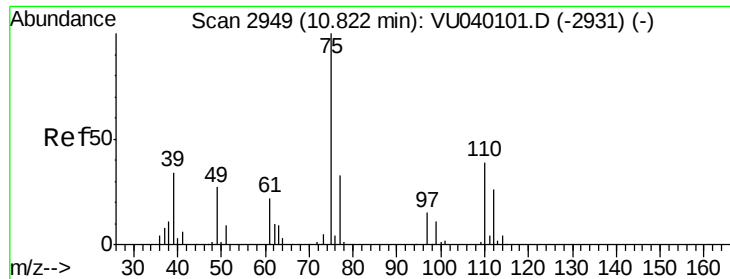
Ion Ratio Lower Upper

83 100

131 8.5 7.5 11.3

85 60.7 49.7 74.5





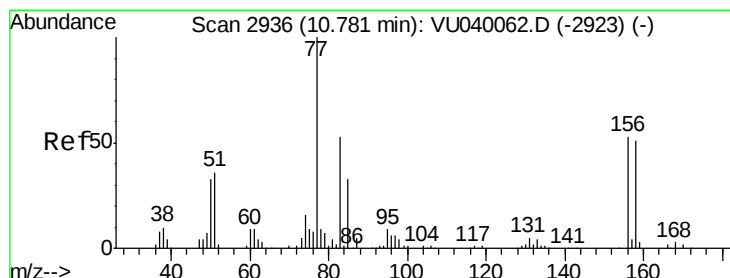
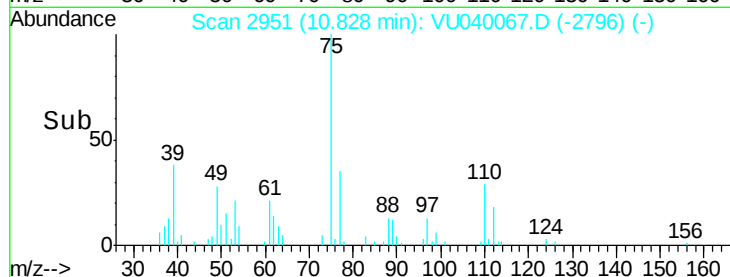
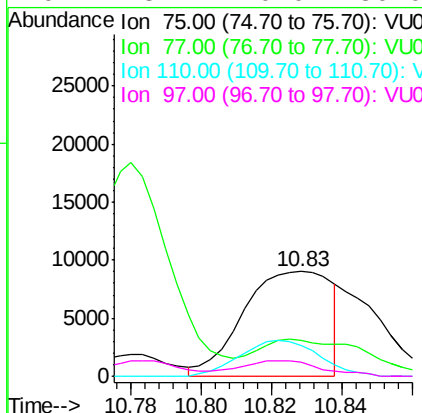
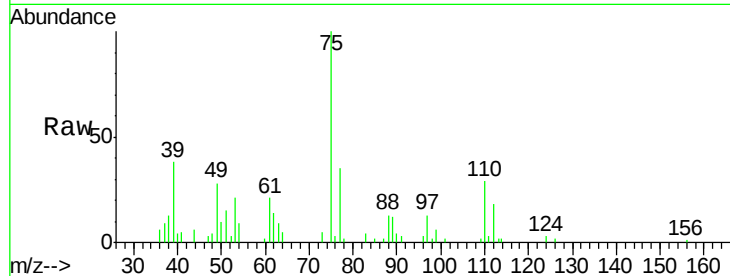
#71
1,2,3-Trichloropropane
Concen: 2.454 ug/l m
RT: 10.83 min Scan# 2951
Delta R.T. -0.00 min
Lab File: VU040067.D
Acq: 09 Sep 2020 17:44

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

Tot Ion	75	Resp	15822
Ion	Ratio	Lower	Upper
75	100		
77	44.5	0.0	111.4
110	30.5	0.0	70.8
97	13.7	0.0	36.0

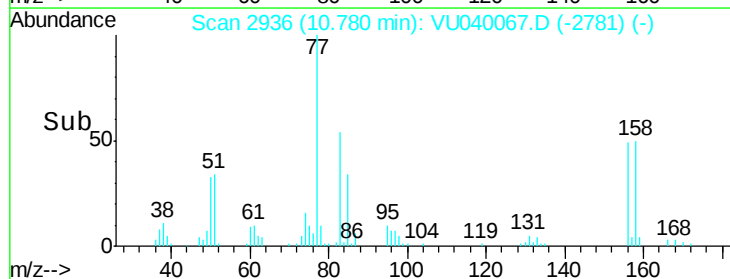
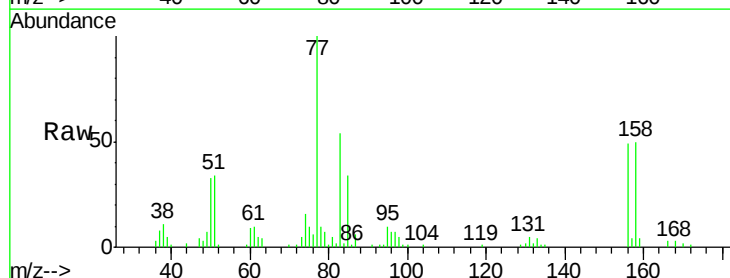
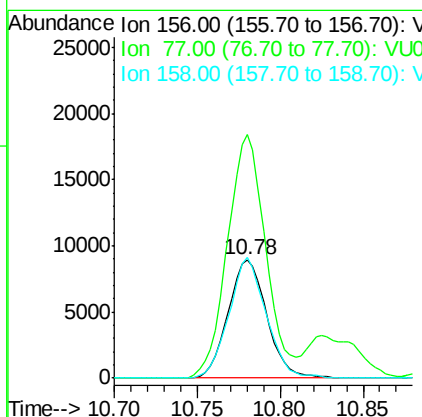
Manual Integrations
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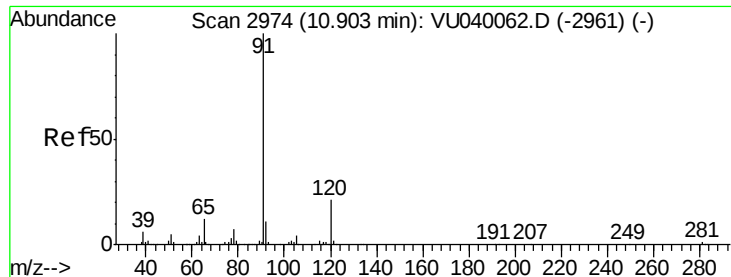
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#72
Bromobenzene
Concen: 1.882 ug/l
RT: 10.78 min Scan# 2936
Delta R.T. -0.00 min
Lab File: VU040067.D
Acq: 09 Sep 2020 17:44

Tgt Ion	156	Resp	14443
Ion	Ratio	Lower	Upper
156	100		
77	203.5	0.0	383.6
158	98.2	0.0	195.0





#73

n-propylbenzene

Concen: 1.830 ug/l

RT: 10.91 min Scan# 2975

Delta R.T. 0.00 min

Lab File: VU040067.D

Acq: 09 Sep 2020 17:44

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBS01

Tot Ion:120 Resp: 16550

Ion Ratio Lower Upper

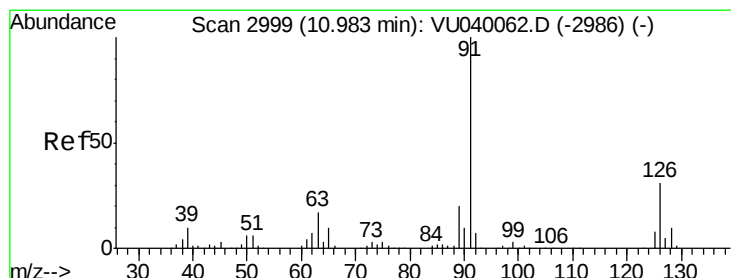
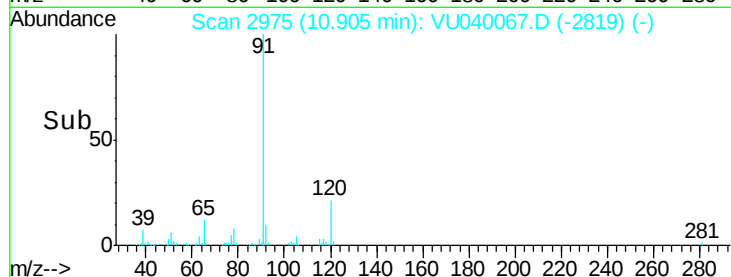
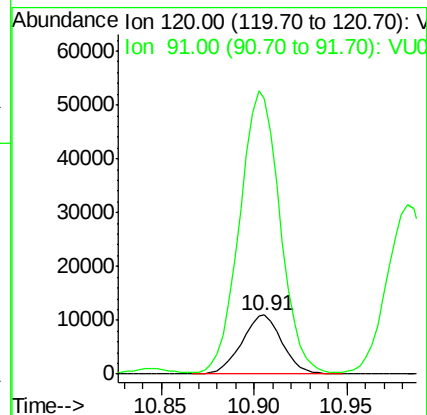
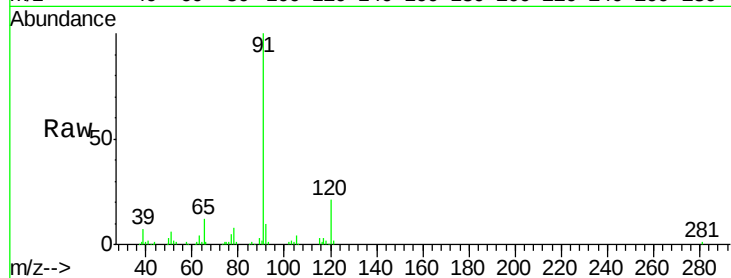
120 100

91 480.8 380.4 570.6

Manual Integrations
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#74

2-Chlorotoluene

Concen: 1.895 ug/l

RT: 10.98 min Scan# 2999

Delta R.T. -0.00 min

Lab File: VU040067.D

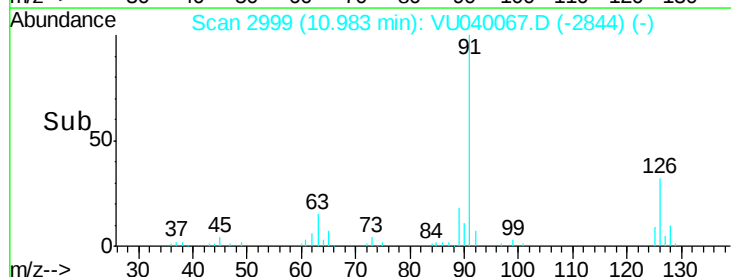
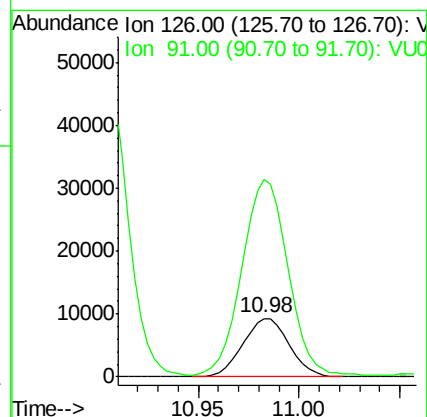
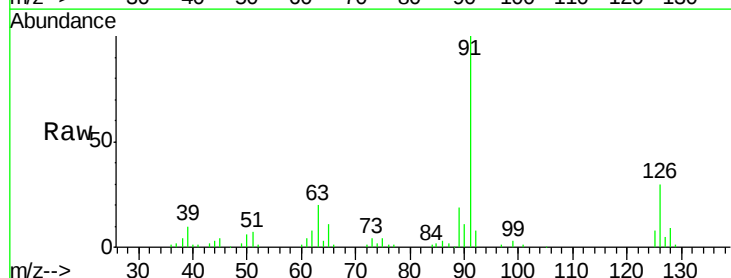
Acq: 09 Sep 2020 17:44

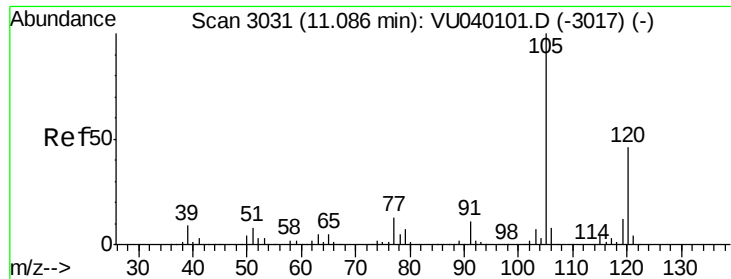
Tgt Ion:126 Resp: 14976

Ion Ratio Lower Upper

126 100

91 337.5 0.0 649.6





#75

1,3,5-Trimethylbenzene

Concen: 1.888 ug/l

RT: 11.09 min Scan# 3031

Delta R.T. -0.00 min

Lab File: VU040067.D

Acq: 09 Sep 2020 17:44

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBS01

Tot Ion:105 Resp: 54416

Ion Ratio Lower Upper

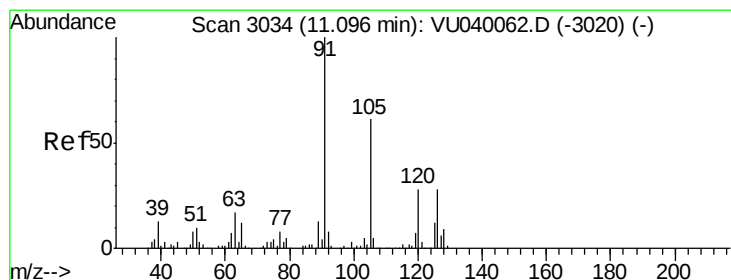
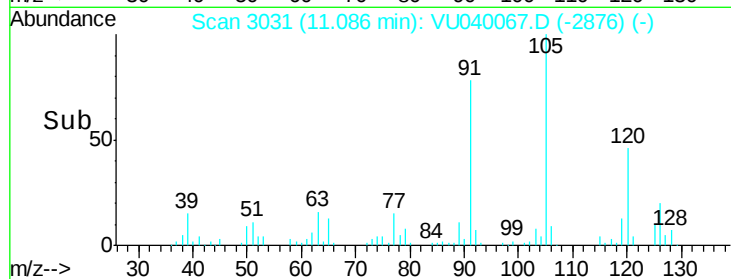
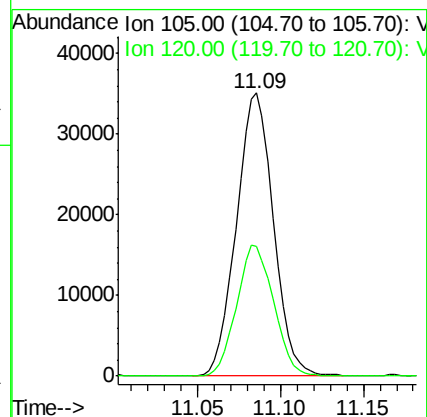
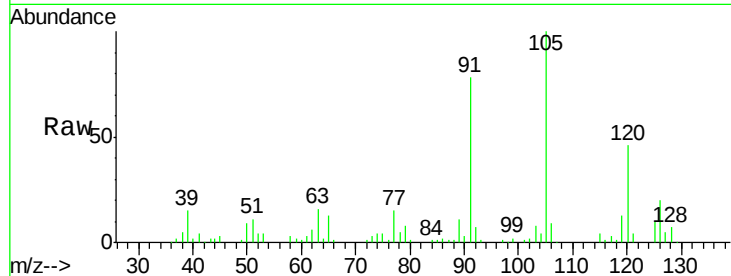
105 100

120 46.2 36.6 55.0

Manual Integrations
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#76

4-Chlorotoluene

Concen: 2.004 ug/l

RT: 11.10 min Scan# 3034

Delta R.T. -0.00 min

Lab File: VU040067.D

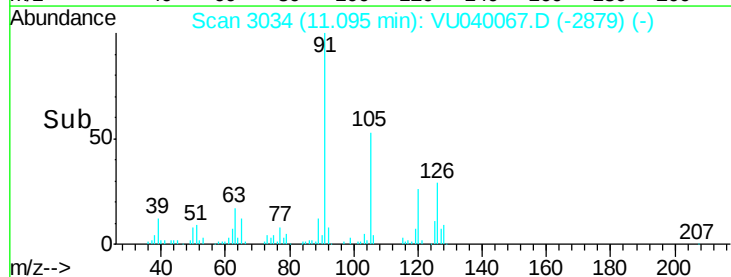
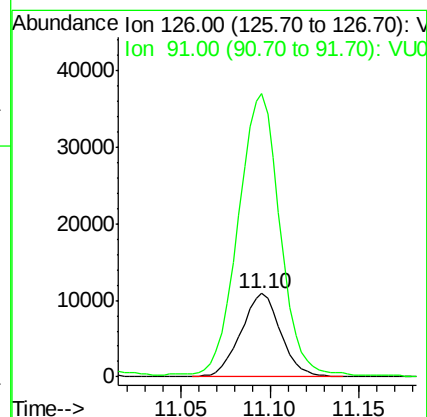
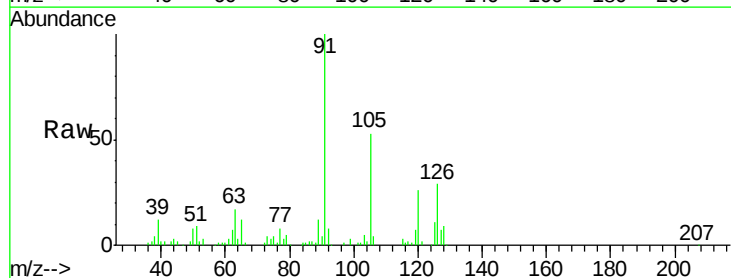
Acq: 09 Sep 2020 17:44

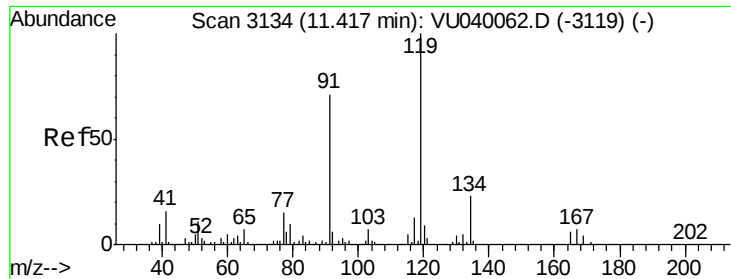
Tgt Ion:126 Resp: 17080

Ion Ratio Lower Upper

126 100

91 353.3 0.0 735.6





#77

tert-Butylbenzene

Concen: 1.863 ug/l

RT: 11.42 min Scan# 3134

Delta R.T. -0.00 min

Lab File: VU040067.D

Acq: 09 Sep 2020 17:44

Instrument :

MSVOA_U

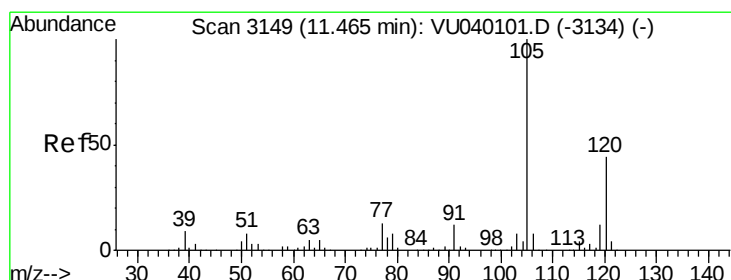
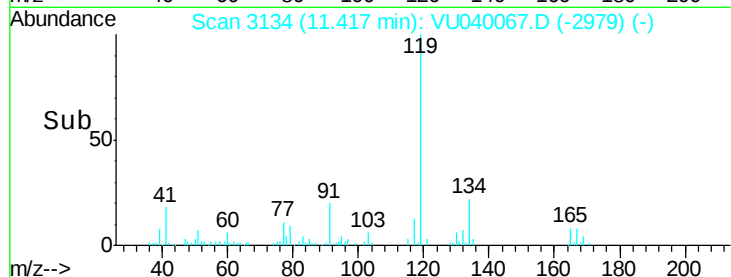
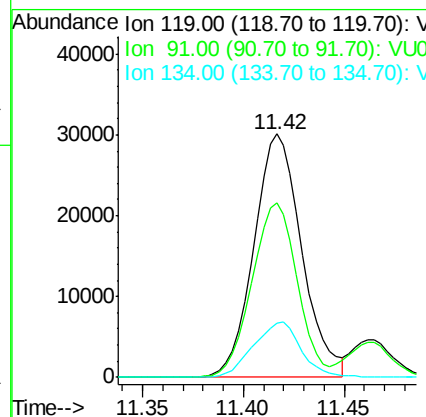
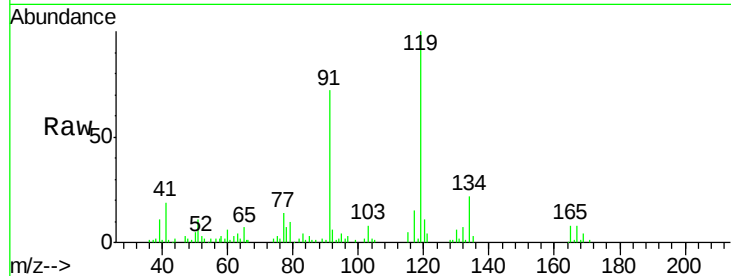
ClientSampleId :

VU0909WBS01

Tot Ion:	119	Resp:	49928
Ion Ratio	Lower	Upper	
119	100		
91	68.1	34.2	102.5
134	22.8	18.2	27.4

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#78

1,2,4-Trimethylbenzene

Concen: 1.856 ug/l

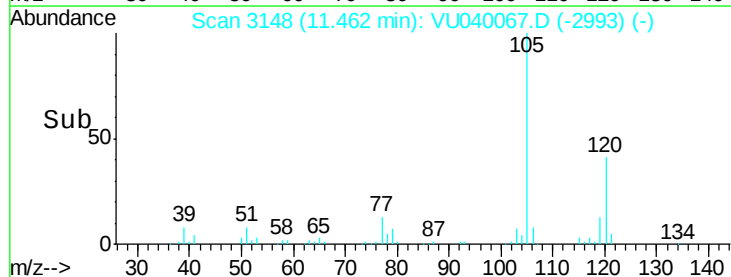
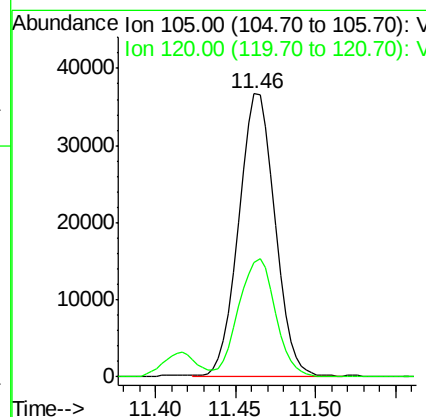
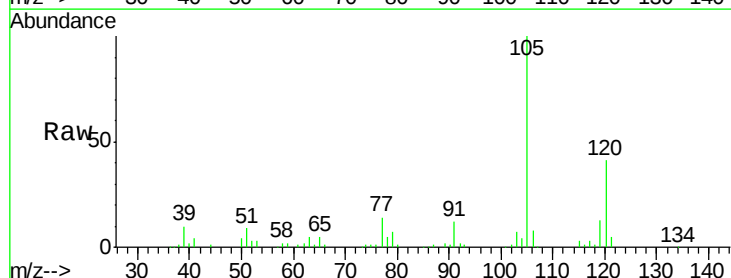
RT: 11.46 min Scan# 3148

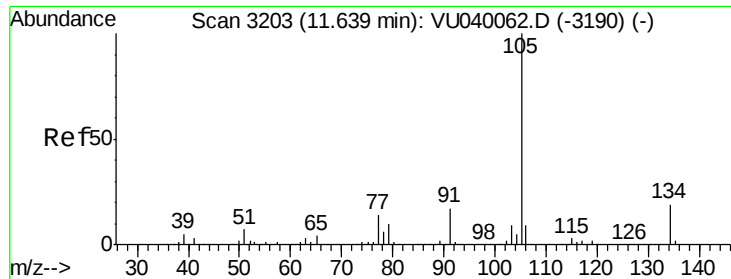
Delta R.T. -0.00 min

Lab File: VU040067.D

Acq: 09 Sep 2020 17:44

Tgt Ion:	105	Resp:	56075
Ion Ratio	Lower	Upper	
105	100		
120	43.0	21.9	65.5





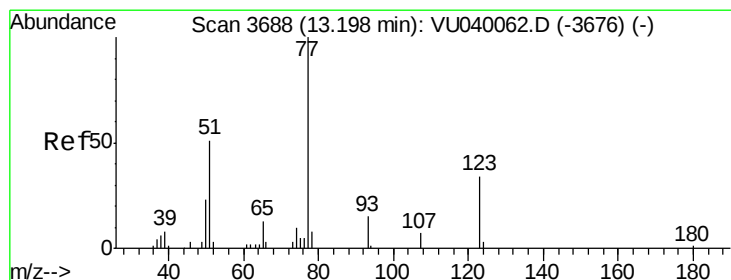
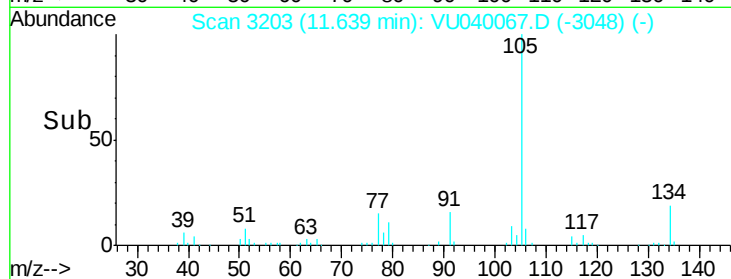
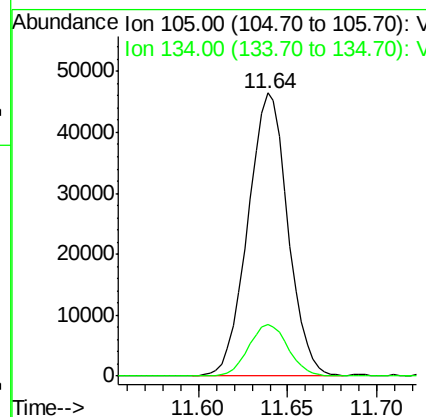
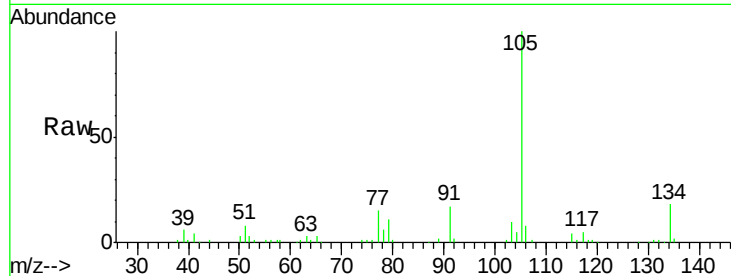
#79
 sec-Butylbenzene
 Concen: 1.872 ug/l
 RT: 11.64 min Scan# 3203
 Delta R.T. -0.00 min
 Lab File: VU040067.D
 Acq: 09 Sep 2020 17:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0909WBS01

Tot Ion: 105 Resp: 72658
 Ion Ratio Lower Upper
 105 100
 134 18.2 15.0 22.4

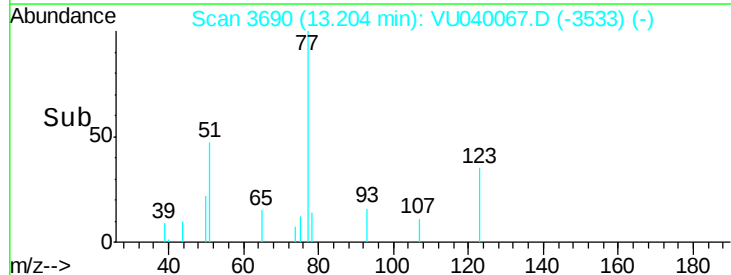
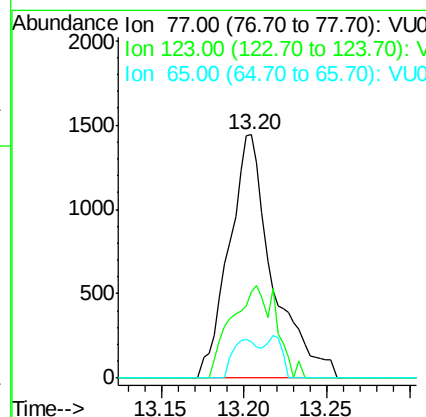
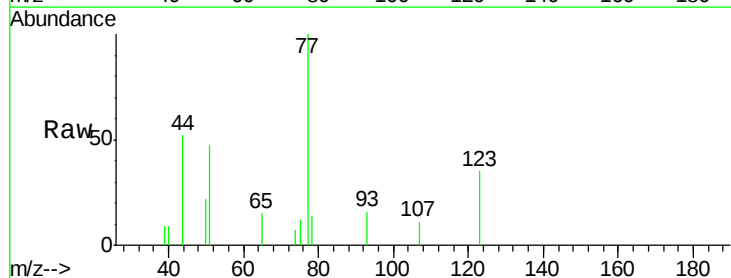
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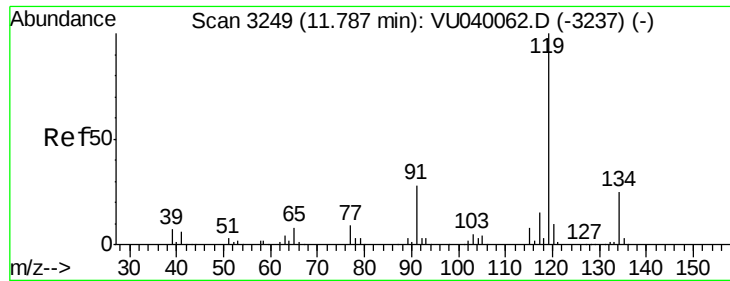
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#80
 Nitrobenzene
 Concen: 7.917 ug/l
 RT: 13.20 min Scan# 3690
 Delta R.T. 0.01 min
 Lab File: VU040067.D
 Acq: 09 Sep 2020 17:44

Tgt Ion: 77 Resp: 2637
 Ion Ratio Lower Upper
 77 100
 123 38.9 16.4 58.0
 65 9.9 12.5 15.9#





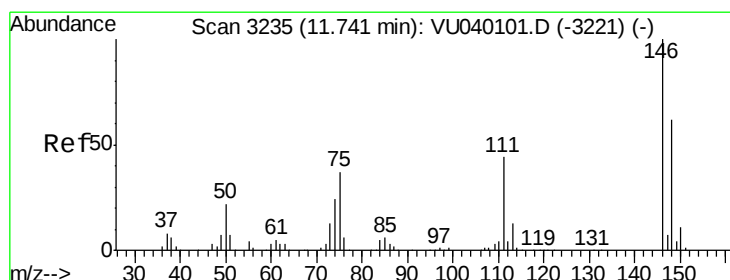
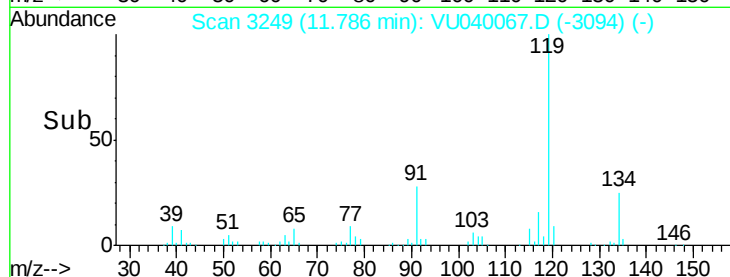
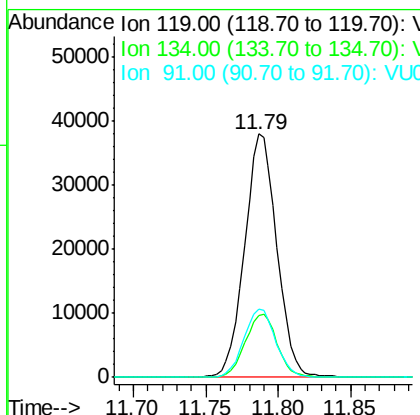
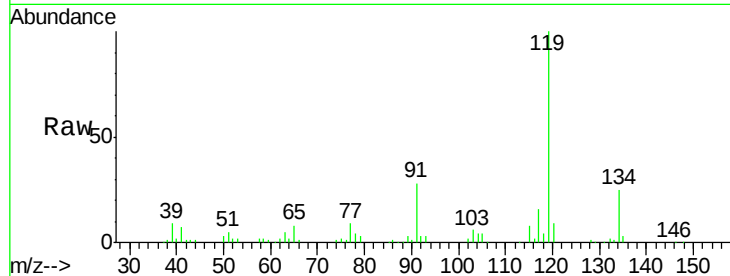
#81
 p-Isopropyltoluene
 Concen: 1.900 ug/l
 RT: 11.79 min Scan# 3249
 Delta R.T. -0.00 min
 Lab File: VU040067.D
 Acq: 09 Sep 2020 17:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0909WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.6	20.3	30.5
91	27.7	22.2	33.2

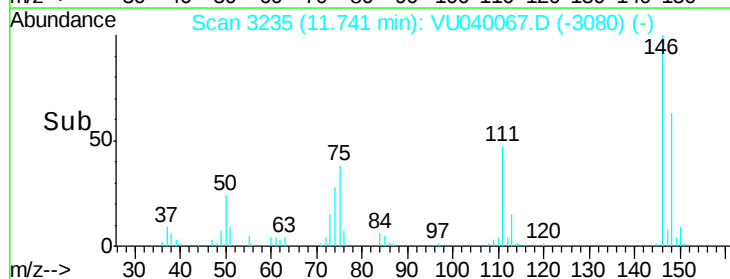
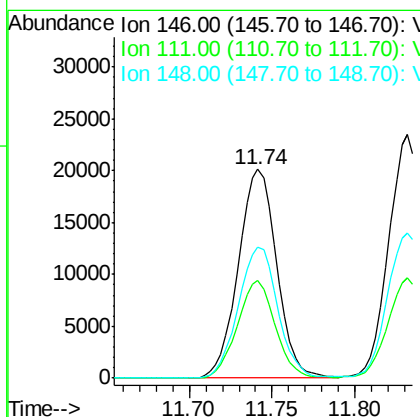
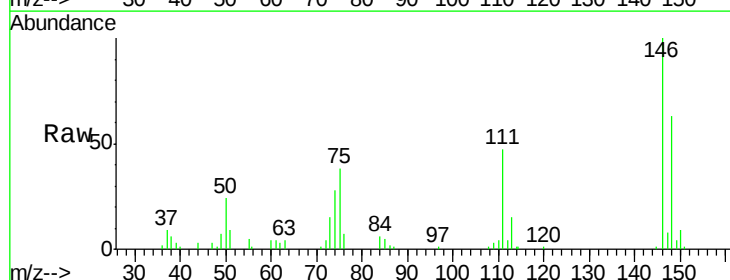
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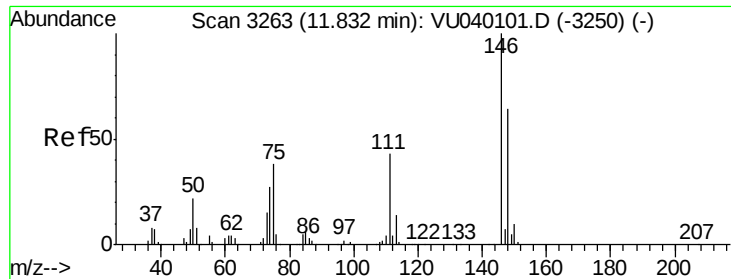
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#82
 1,3-Dichlorobenzene
 Concen: 1.912 ug/l
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU040067.D
 Acq: 09 Sep 2020 17:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.1	35.4	53.0
148	64.5	49.7	74.5





#83

1,4-Dichlorobenzene

Concen: 2.135 ug/l

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU040067.D

Acq: 09 Sep 2020 17:44

Instrument :

MSVOA_U

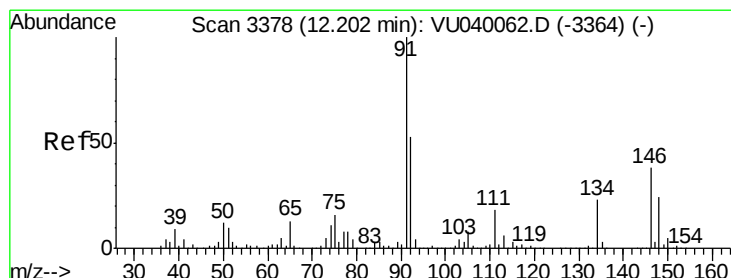
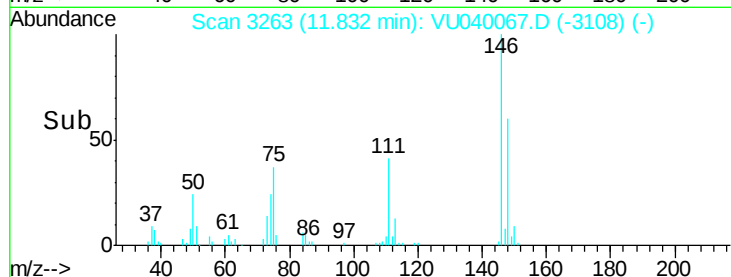
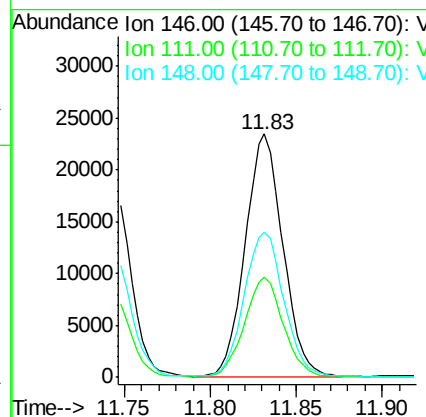
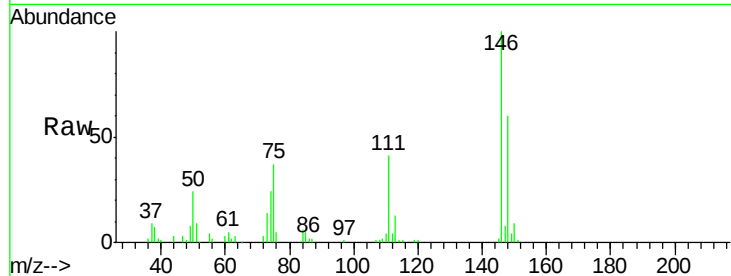
ClientSampleId :

VU0909WBS01

Tot Ion:	146	Resp:	35858
Ion Ratio	Lower	Upper	
146	100		
111	42.5	34.2	51.2
148	63.0	50.2	75.2

Manual Integrations
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#84

n-Butylbenzene

Concen: 1.869 ug/l

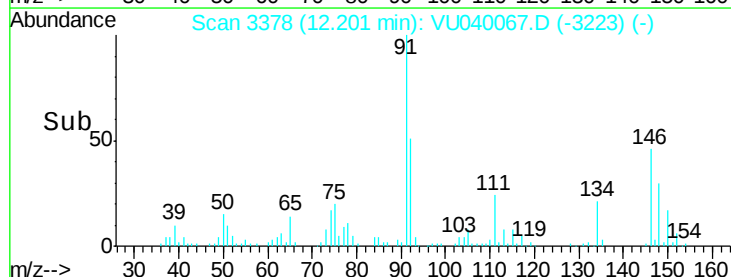
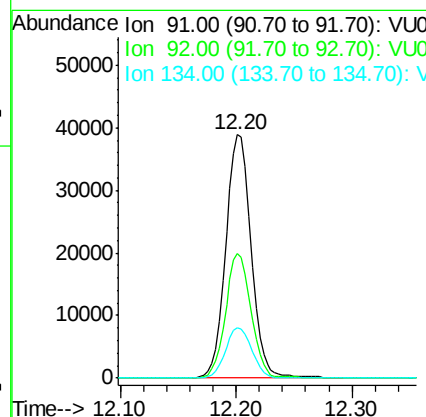
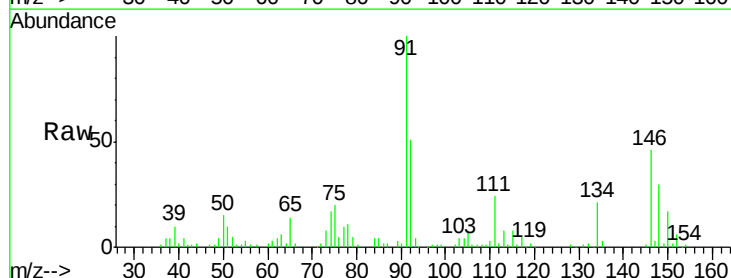
RT: 12.20 min Scan# 3378

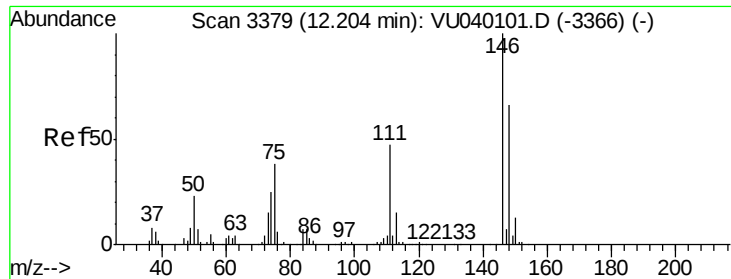
Delta R.T. -0.00 min

Lab File: VU040067.D

Acq: 09 Sep 2020 17:44

Tgt Ion:	91	Resp:	59385
Ion Ratio	Lower	Upper	
91	100		
92	50.8	43.0	64.4
134	21.3	18.6	27.8





#85

1,2-Dichlorobenzene

Concen: 2.053 ug/l

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU040067.D

Acq: 09 Sep 2020 17:44

Instrument :

MSVOA_U

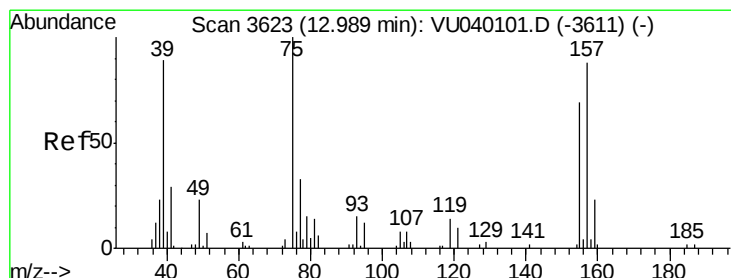
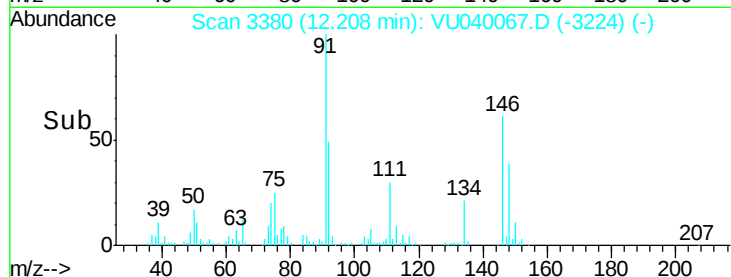
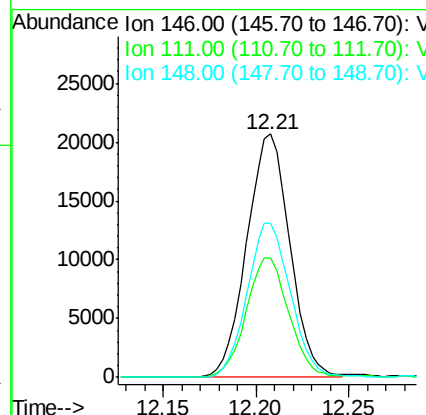
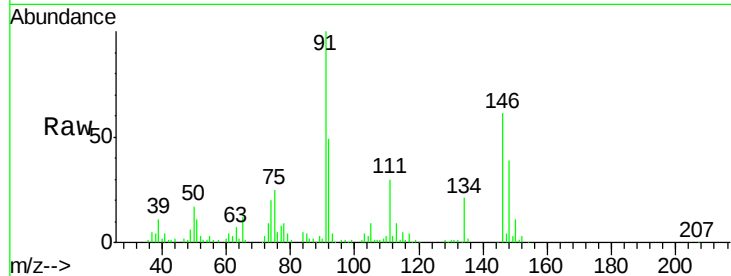
ClientSampled :

VU0909WBS01

Tot Ion:	146	Resp:	33375
Ion Ratio	Lower	Upper	
146	100		
111	48.8	22.9	68.7
148	63.6	31.1	93.2

Manual Integrations
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#86

1,2-Dibromo-3-Chloropropane

Concen: 1.905 ug/l

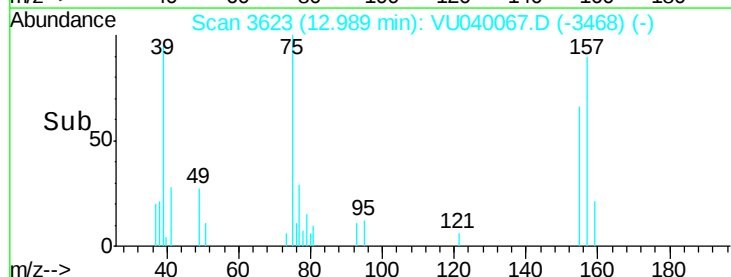
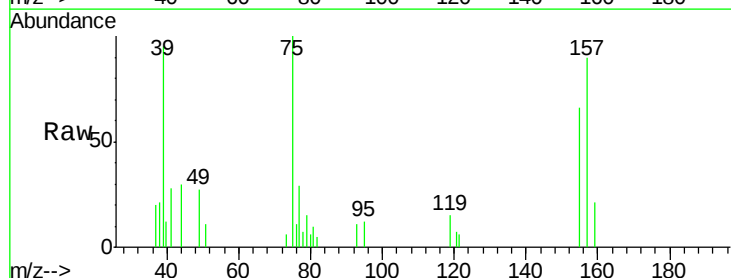
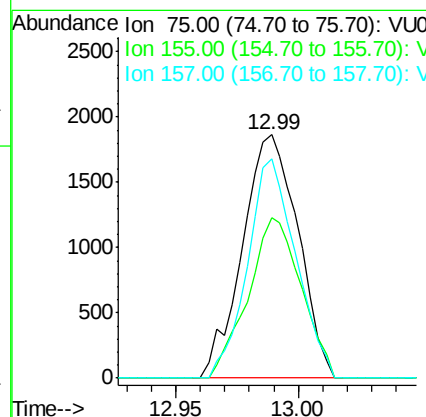
RT: 12.99 min Scan# 3623

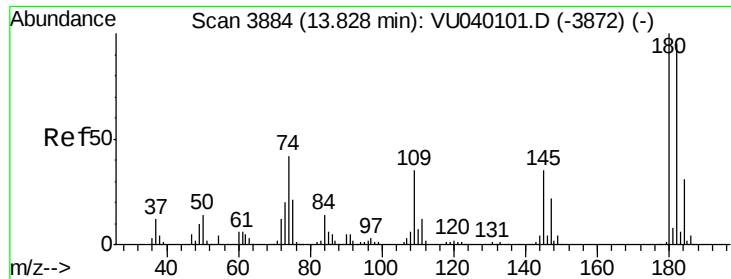
Delta R.T. -0.00 min

Lab File: VU040067.D

Acq: 09 Sep 2020 17:44

Tgt Ion:	75	Resp:	2944
Ion Ratio	Lower	Upper	
75	100		
155	62.7	53.4	80.0
157	78.2	65.8	98.8





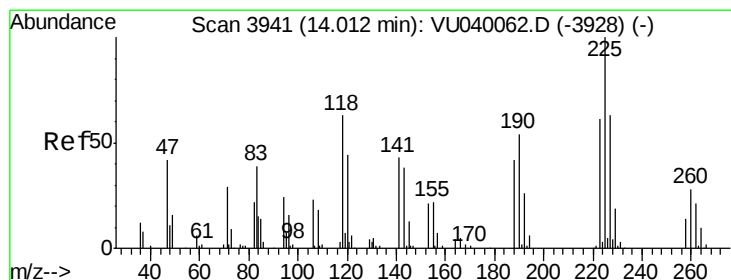
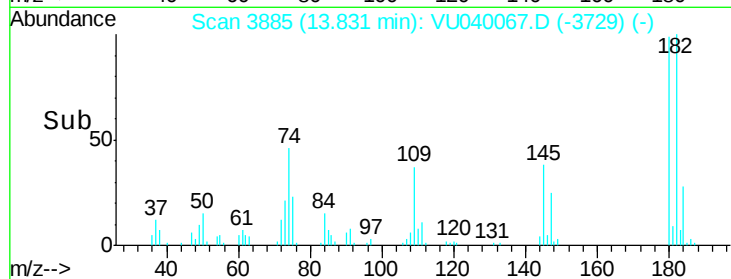
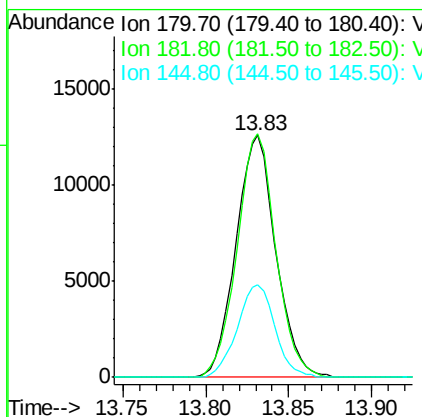
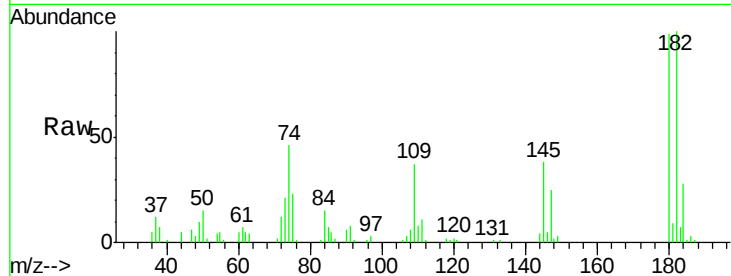
#87
 1,2,4-Trichlorobenzene
 Concen: 2.239 ug/l
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040067.D
 Acq: 09 Sep 2020 17:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0909WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.7	75.0	112.4
145	36.2	27.7	41.5

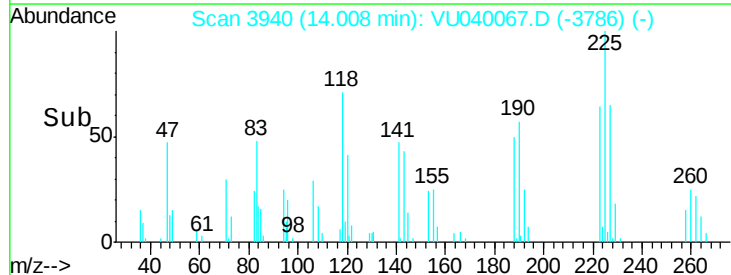
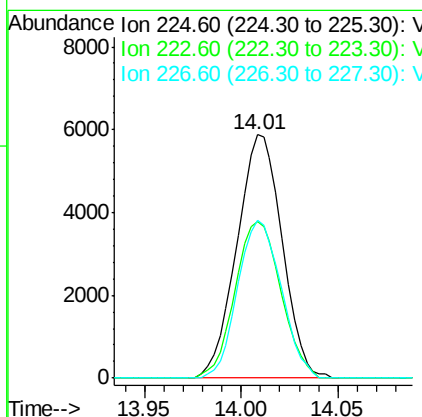
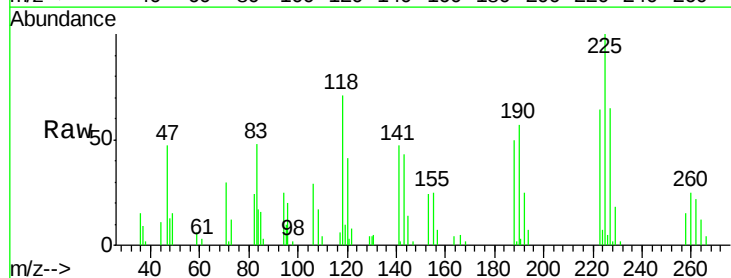
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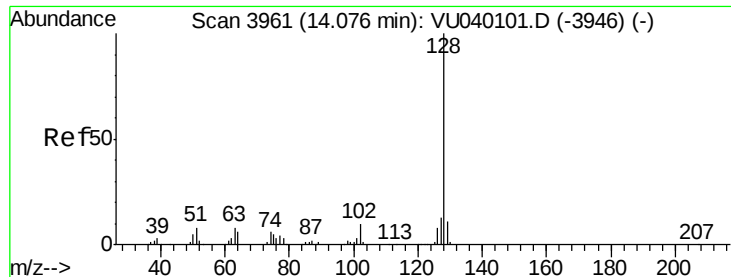
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#88
 Hexachlorobutadiene
 Concen: 1.970 ug/l
 RT: 14.01 min Scan# 3940
 Delta R.T. -0.00 min
 Lab File: VU040067.D
 Acq: 09 Sep 2020 17:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.0	50.7	76.1
227	62.3	51.1	76.7





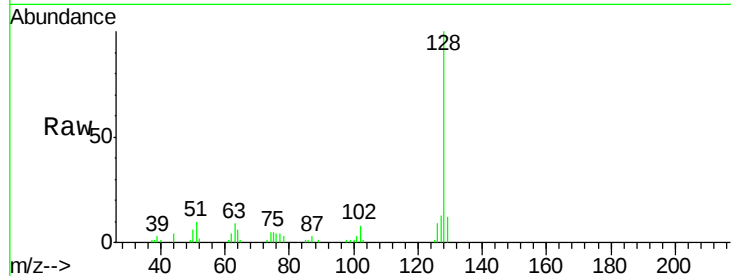
#89
Naphthalene
Concen: 1.787 ug/l
RT: 14.08 min Scan# 3961
Delta R.T. -0.00 min
Lab File: VU040067.D
Acq: 09 Sep 2020 17:44

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

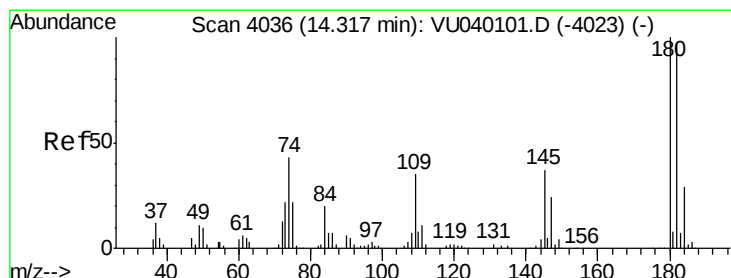
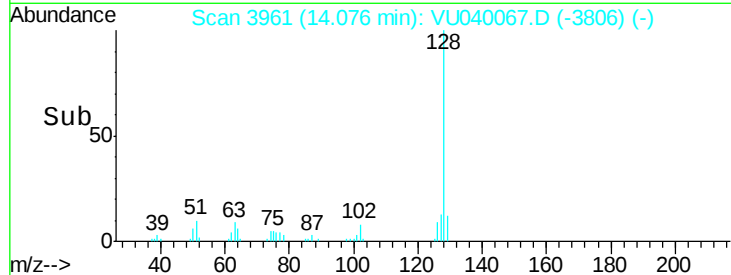
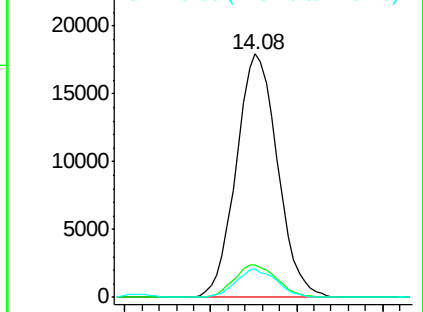
Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.3	15.5
129	11.4	8.3	12.5

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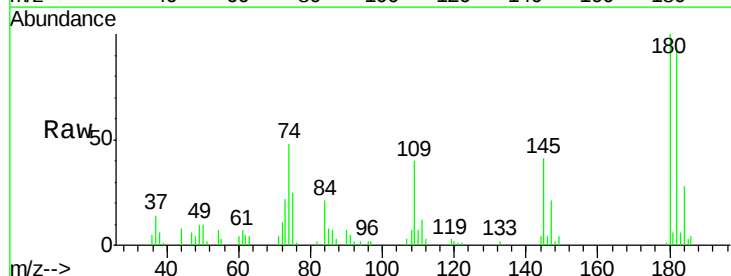


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#90
1,2,3-Trichlorobenzene
Concen: 1.765 ug/l
RT: 14.32 min Scan# 4036
Delta R.T. -0.00 min
Lab File: VU040067.D
Acq: 09 Sep 2020 17:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.0	114.0
145	42.1	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

