

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031020\
 Data File : VU037150.D
 Acq On : 10 Mar 2020 13:41
 Operator : JC/MD
 Sample : VU0310WBSD01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VU0310WBSD01

Manual Integrations
 APPROVED

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 3/11/2020 3:32:31 PM

Quant Time: Mar 10 14:00:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U030920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Mar 09 15:46:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	6.15	96	15045	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.65	95	5675	0.98	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.00%	
68) 1,2-Dichlorobenzene-d4	12.21	152	5752	0.97	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.39	85	14558	1.982	ug/l	97
3) Chloromethane	1.54	50	15354	2.103	ug/l	93
4) Vinyl Chloride	1.62	62	12666	1.973	ug/l	94
5) Bromomethane	1.87	94	4720	2.109	ug/l	93
6) Chloroethane	1.95	64	6171	2.007	ug/l	94
7) Trichlorofluoromethane	2.16	101	15609	2.001	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.61	101	7640	2.088	ug/l	94
9) 1,1-Dichloroethene	2.61	96	6895	1.982	ug/l	82
10) Iodomethane	2.75	142	2129	1.716	ug/l #	62
11) Allyl Chloride	2.95	41	13340	1.978	ug/l #	62
12) Acrylonitrile	3.36	53	3606	4.382	ug/l	92
13) Acetone	2.66	43	9896	10.819	ug/l #	75
14) Carbon Disulfide	2.82	76	22912	1.977	ug/l	98
15) Methylene Chloride	3.08	84	8746	2.002	ug/l #	76
16) trans-1,2-Dichloroethene	3.39	96	7561	2.046	ug/l	95
17) 1,1-Dichloroethane	3.91	63	17074	1.993	ug/l	98
18) 2-Butanone	4.77	43	12514	8.951	ug/l	95
19) Cyclohexane	5.42	56	12784m	1.752	ug/l	
20) Methylcyclohexane	6.79	83	12544	1.741	ug/l #	85
21) 2,2-Dichloropropane	4.70	77	15744	2.014	ug/l	92
22) cis-1,2-Dichloroethene	4.71	96	8998	1.966	ug/l	80
23) Diethyl Ether	2.40	59	5834	1.980	ug/l	88
24) tert-Butyl Alcohol	3.26	59	6543	20.305	ug/l #	85
25) Methyl tert-Butyl Ether	3.41	73	20495	2.010	ug/l #	69
26) Bromochloromethane	5.01	128	4127	2.049	ug/l	80
27) Chloroform	5.13	83	17835	1.933	ug/l	94
28) 1,1,1-Trichloroethane	5.35	97	15660	1.992	ug/l	97
29) 1,1-Dichloropropene	5.56	75	12638	1.978	ug/l	96
30) Carbon Tetrachloride	5.35	117	1910	0.278	ug/l	92
31) Isopropyl Ether	4.05	45	25052	1.832	ug/l	82
32) Ethyl-t-butyl ether	4.56	59	23671	1.834	ug/l	92
33) Tert-Amyl methyl ether	5.99	73	20594	1.859	ug/l	98
34) Propionitrile	4.84	54	3342	9.088	ug/l #	92
35) Benzene	5.81	78	35015	1.929	ug/l	99
36) 1,2-Dichloroethane	5.83	62	12375	1.881	ug/l	95
37) Trichloroethene	6.57	130	9350	1.963	ug/l	93
38) 1,2-Dichloropropane	6.83	63	9400	1.887	ug/l	100
39) Methacrylonitrile	5.02	41	3404	1.919	ug/l #	78
40) Methyl acrylate	4.90	55	4710	1.920	ug/l #	93
41) Tetrahydrofuran	5.11	42	3422	3.866	ug/l #	76
42) 1-Chlorobutane	5.49	56	18131	1.970	ug/l	85

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Quant Time: Mar 10 14:00:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U030920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Mar 09 15:46:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

43) Dibromomethane	6.95	93	5070	1.985	ug/l	91
44) Bromodichloromethane	7.14	83	12571	1.891	ug/l	98
45) 4-Methyl-2-Pentanone	7.83	43	31413	9.172	ug/l #	85
46) t-1,4-Dichloro-2-butene	10.86	75	3655m	3.899	ug/l	
47) Methyl methacrylate	7.00	69	8138	3.855	ug/l #	64
48) Ethyl methacrylate	8.36	69	7251	1.739	ug/l	68
49) Toluene	8.00	92	20906	1.907	ug/l	99
50) t-1,3-Dichloropropene	8.24	75	11111	1.855	ug/l	96
51) cis-1,3-Dichloropropene	7.64	75	12821	1.874	ug/l #	80
52) 1,1,2-Trichloroethane	8.43	97	7003	2.055	ug/l	96
53) 1,3-Dichloropropane	8.60	76	11595	1.919	ug/l	97
54) 2-Hexanone	8.72	43	21912	9.287	ug/l	84
55) Dibromochloromethane	8.83	129	8493	2.014	ug/l	96
56) 1,2-Dibromoethane	8.95	107	6502	2.015	ug/l	95
58) Tetrachloroethene	8.58	164	8522	1.906	ug/l #	86
59) Chlorobenzene	9.47	112	22966	1.877	ug/l	95
60) 1,1,1,2-Tetrachloroethane	9.56	131	8978	2.005	ug/l	93
61) Pentachloroethane	11.45	117	7203	2.108	ug/l	83
62) Hexachloroethane	12.49	117	7058	1.930	ug/l	85
63) Ethyl Benzene	9.59	91	38001	1.820	ug/l	95
64) m/p-Xylenes	9.72	106	29294	3.705	ug/l	92
65) o-Xylene	10.12	106	14353	1.882	ug/l	91
66) Styrene	10.13	104	23174	1.856	ug/l	95
67) Bromoform	10.31	173	4406	1.979	ug/l #	96
69) Isopropylbenzene	10.50	105	37579	1.807	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.80	83	9443	2.107	ug/l	93
71) 1,2,3-Trichloropropane	10.84	75	7707m	2.104	ug/l	
72) Bromobenzene	10.80	156	9636	1.915	ug/l	90
73) n-propylbenzene	10.92	120	10458	1.897	ug/l	77
74) 2-Chlorotoluene	11.00	126	9522	1.909	ug/l	82
75) 1,3,5-Trimethylbenzene	11.10	105	34550	1.919	ug/l	92
76) 4-Chlorotoluene	11.11	126	10080	2.007	ug/l	81
77) tert-Butylbenzene	11.44	119	32654	1.861	ug/l	94
78) 1,2,4-Trimethylbenzene	11.48	105	33729	1.856	ug/l	97
79) sec-Butylbenzene	11.66	105	44246	1.853	ug/l	100
80) Nitrobenzene	13.25	77	598	6.096	ug/l #	40
81) p-Isopropyltoluene	11.81	119	35478	1.885	ug/l	95
82) 1,3-Dichlorobenzene	11.76	146	19666	1.973	ug/l	99
83) 1,4-Dichlorobenzene	11.85	146	19576	1.938	ug/l	98
84) n-Butylbenzene	12.22	91	32207	1.806	ug/l	95
85) 1,2-Dichlorobenzene	12.23	146	18708	1.939	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	13.02	75	1355	1.713	ug/l	92
87) 1,2,4-Trichlorobenzene	13.87	180	8658	1.786	ug/l	98
88) Hexachlorobutadiene	14.06	225	5867	1.955	ug/l	98
89) Naphthalene	14.12	128	12280	1.650	ug/l	97
90) 1,2,3-Trichlorobenzene	14.37	180	8391	1.778	ug/l	95

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

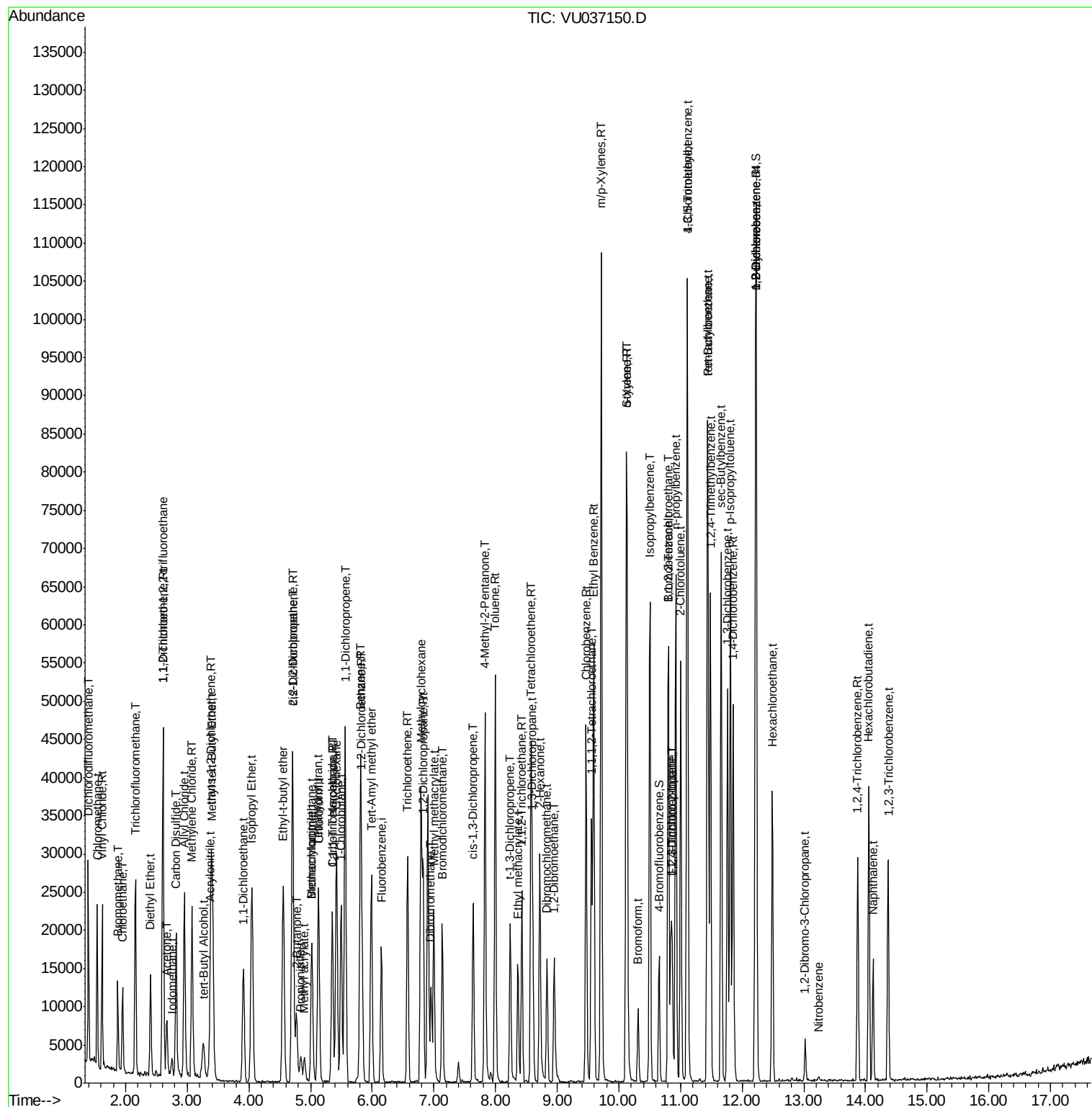
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU031020\
Data File : VU037150.D
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Sample : VU0310WBSD01
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

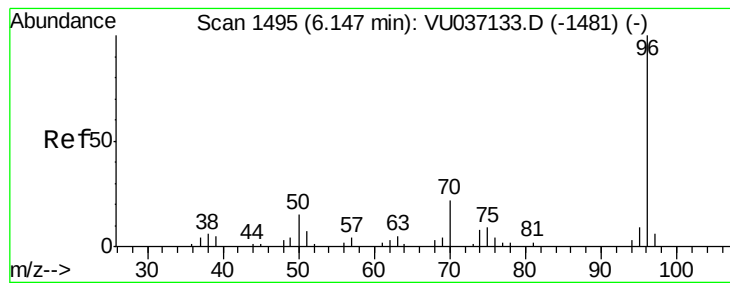
Instrument :
MSVOA_U
ClientSampleID :
VU0310WBSD01

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Quant Time: Mar 10 14:00:42 2020
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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Mon Mar 09 15:46:40 2020
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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.15 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VU037150.D

Acq: 10 Mar 2020 13:41

Instrument :

MSVOA_U

ClientSampleId :

VU0310WBSD01

Tot Ion: 96 Resp: 15045

Ion Ratio Lower Upper

96 100

70 19.4 15.6 23.4

95 9.7 7.0 10.6

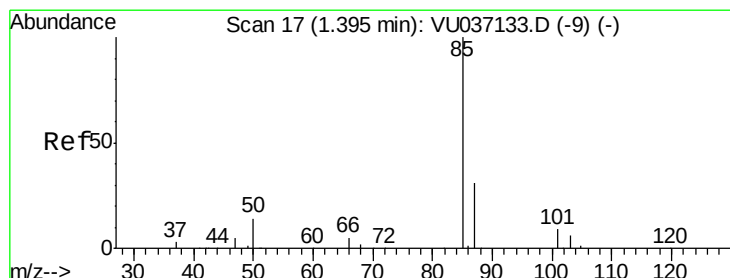
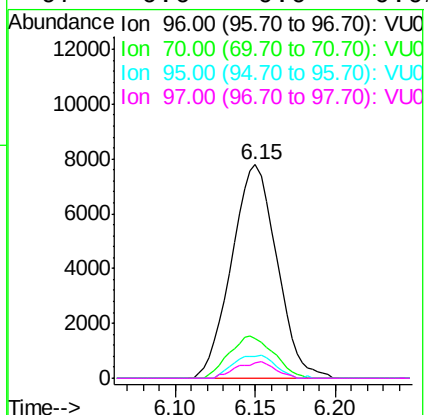
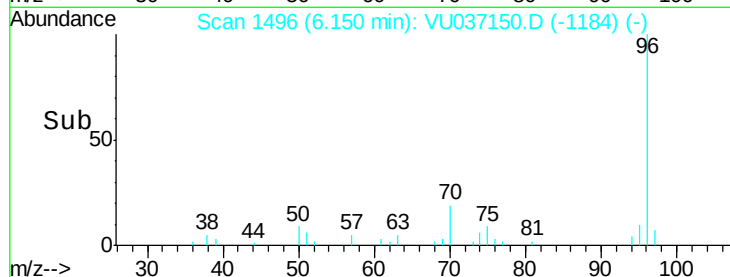
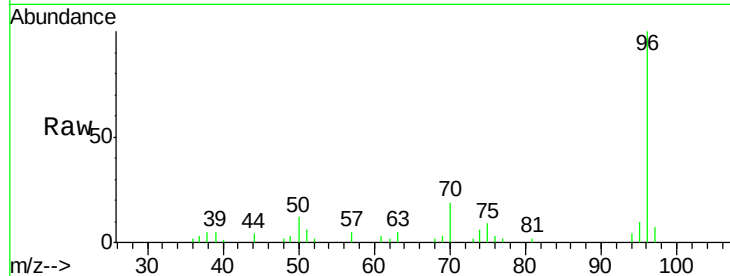
97 6.6 0.0 0.0#

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 1.982 ug/l

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU037150.D

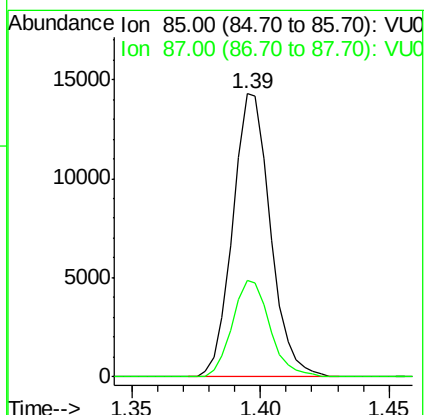
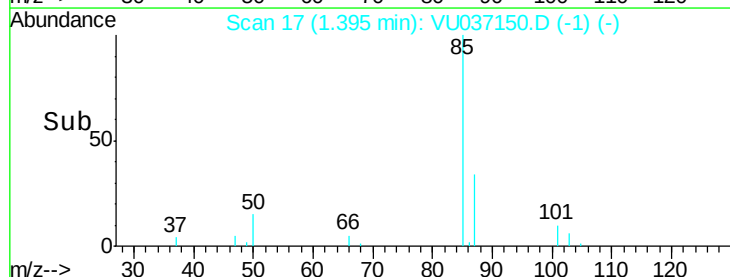
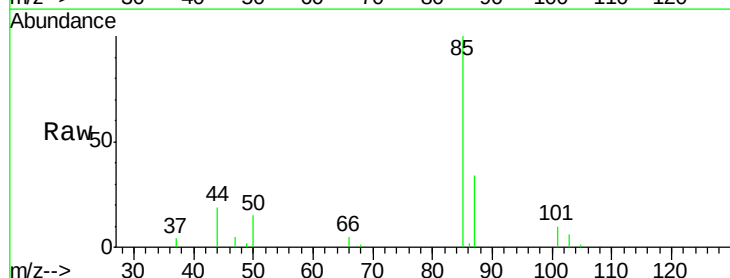
Acq: 10 Mar 2020 13:41

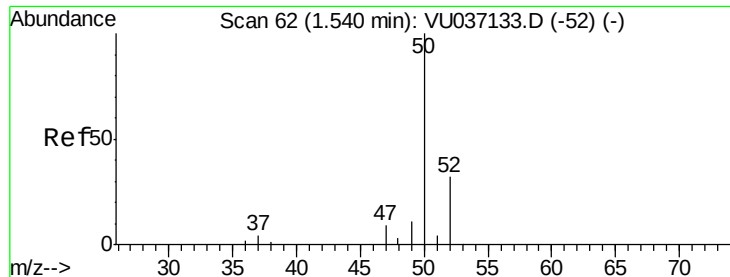
Tgt Ion: 85 Resp: 14558

Ion Ratio Lower Upper

85 100

87 34.2 16.4 49.2





#3

Chloromethane

Concen: 2.103 ug/l

RT: 1.54 min Scan# 62

Delta R.T. -0.00 min

Lab File: VU037150.D

Acq: 10 Mar 2020 13:41

Instrument :

MSVOA_U

ClientSampleId :

VU0310WBSD01

Tot Ion: 50 Resp: 15354

Ion Ratio Lower Upper

50 100

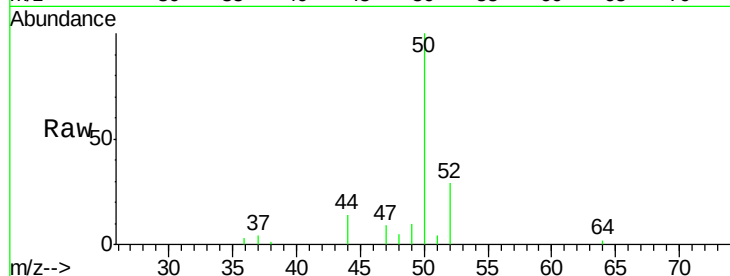
52 28.8 26.0 39.0

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Abundance Ion 50.00 (49.70 to 50.70): VU037150.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU037150.D (-1) (-)

15000

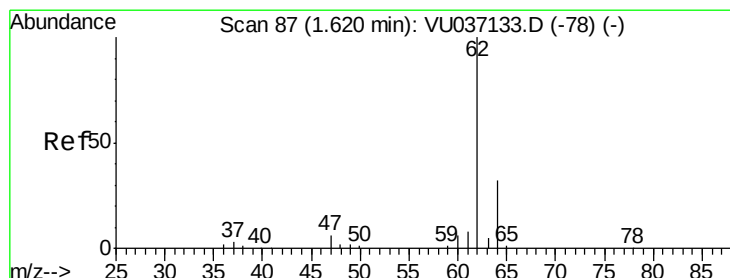
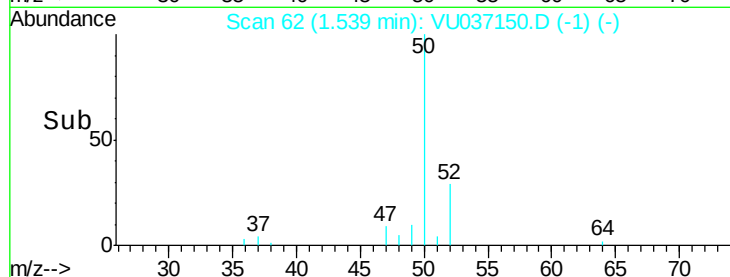
10000

5000

0

1.50 1.55

Time-->



#4

Vinyl Chloride

Concen: 1.973 ug/l

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU037150.D

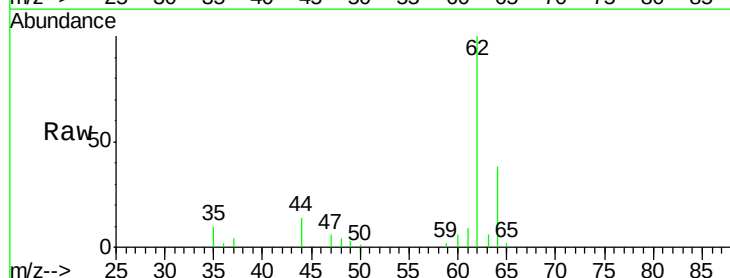
Acq: 10 Mar 2020 13:41

Tgt Ion: 62 Resp: 12666

Ion Ratio Lower Upper

62 100

64 35.4 25.4 38.2



Abundance Ion 62.00 (61.70 to 62.70): VU037150.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU037150.D (-1) (-)

12000

10000

8000

6000

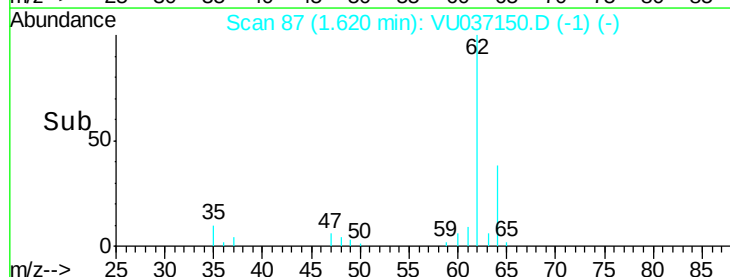
4000

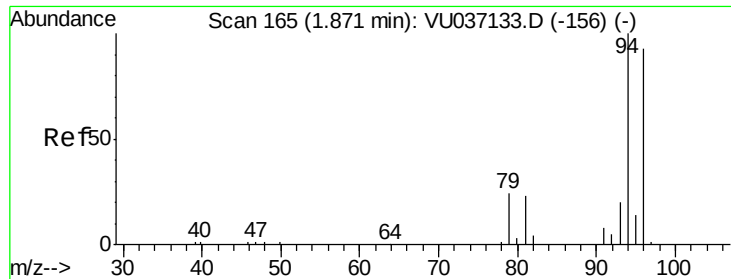
2000

0

1.60 1.65

Time-->





#5

Bromomethane

Concen: 2.109 ug/l

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU037150.D

Acq: 10 Mar 2020 13:41

Instrument :

MSVOA_U

ClientSampleId :

VU0310WBSD01

Tot Ion: 94 Resp: 4720

Ion Ratio Lower Upper

94 100

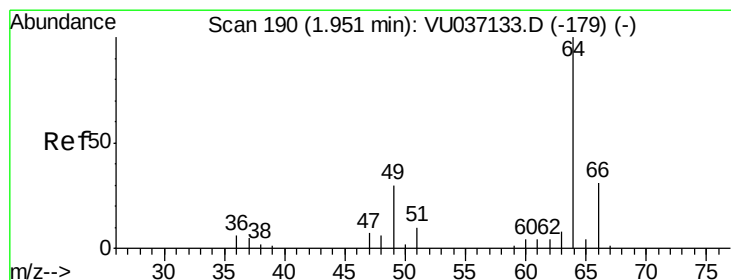
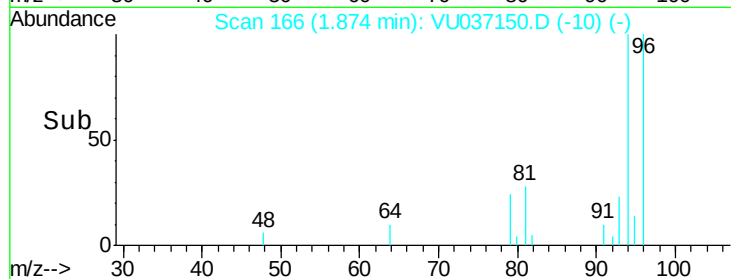
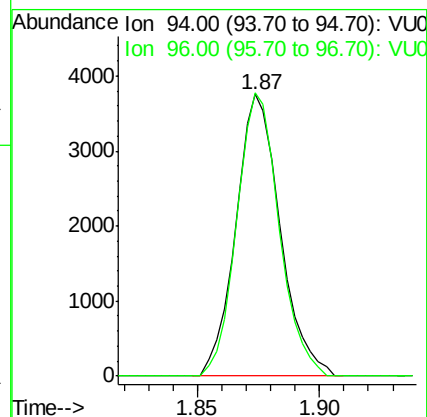
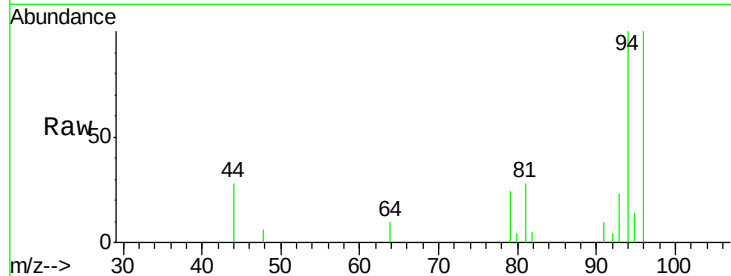
96 100.4 74.6 112.0

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#6

Chloroethane

Concen: 2.007 ug/l

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU037150.D

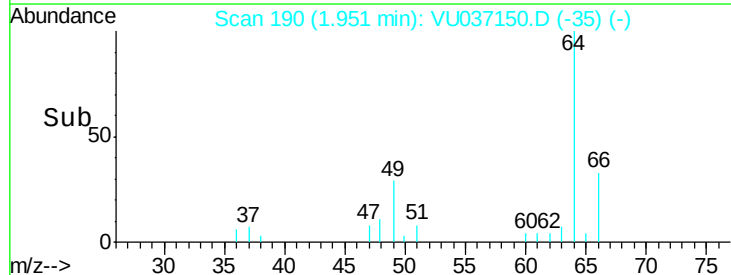
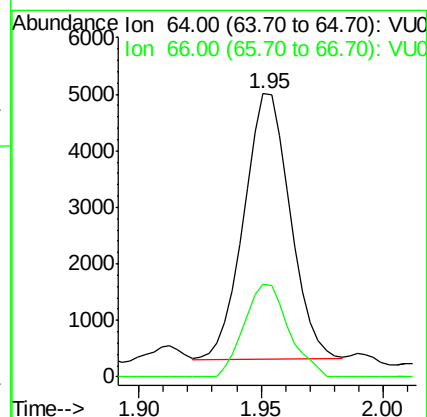
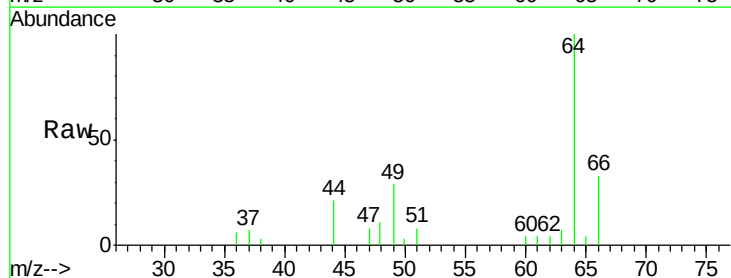
Acq: 10 Mar 2020 13:41

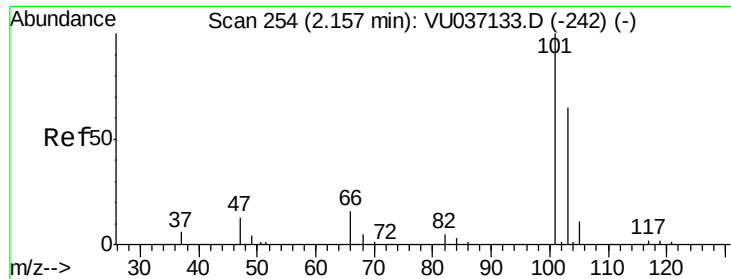
Tgt Ion: 64 Resp: 6171

Ion Ratio Lower Upper

64 100

66 35.3 25.5 38.3





#7

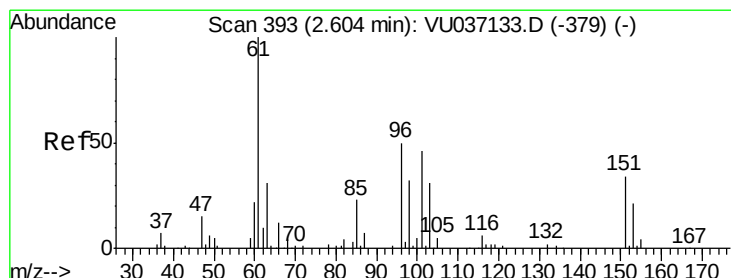
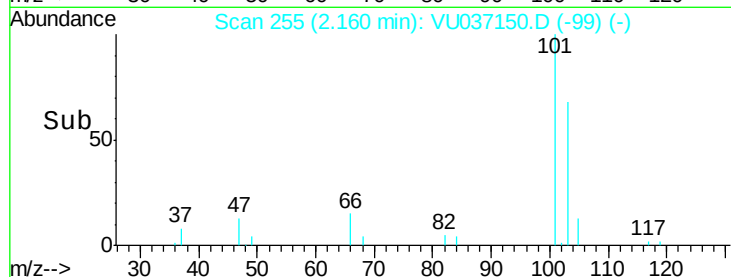
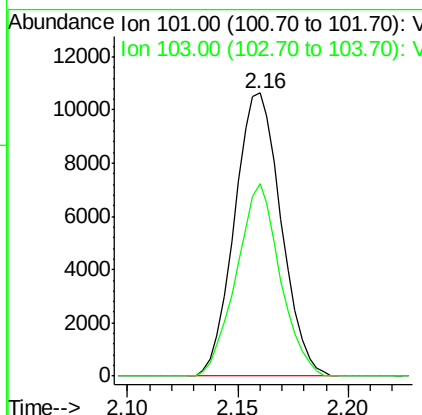
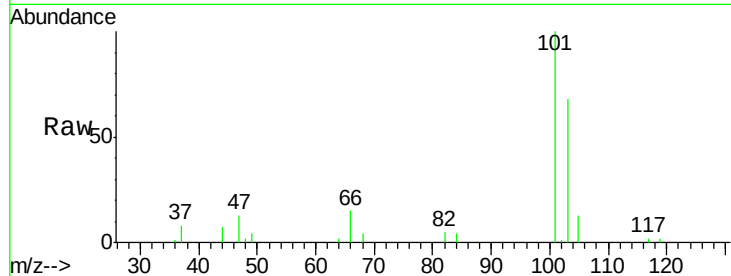
Trichlorofluoromethane
Concen: 2.001 ug/l
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU037150.D
Acq: 10 Mar 2020 13:41

Instrument :
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ClientSampleId :
VU0310WBSD01

Tot Ion	101	Resp	15609
Ion Ratio	Lower	Upper	
101	100		
103	67.9	53.0	79.6

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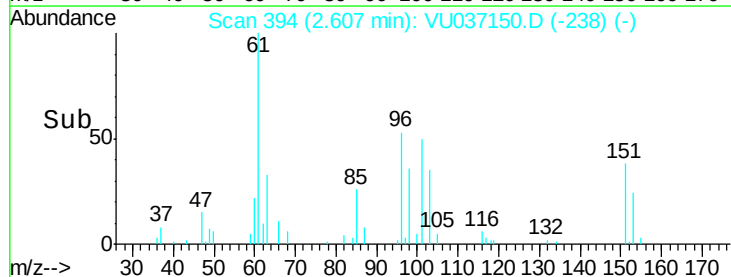
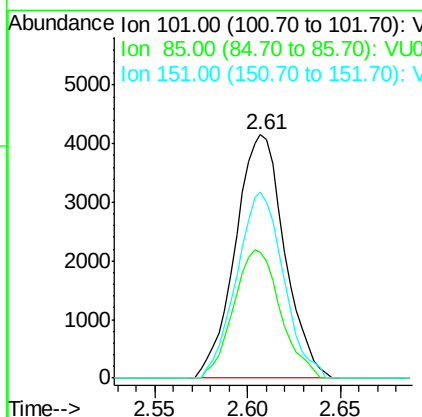
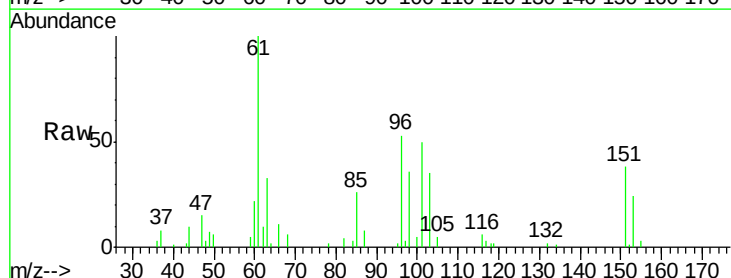
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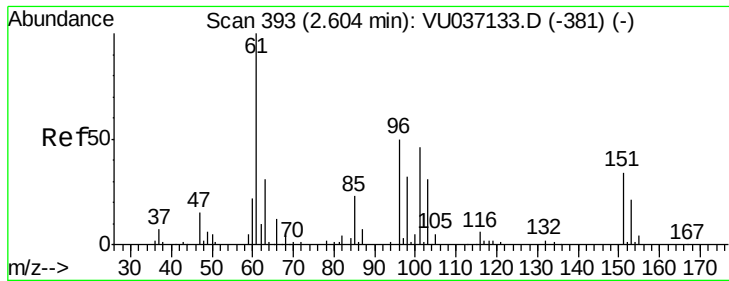


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.088 ug/l
RT: 2.61 min Scan# 394
Delta R.T. 0.00 min
Lab File: VU037150.D
Acq: 10 Mar 2020 13:41

Tgt Ion	101	Resp	7640
Ion Ratio	Lower	Upper	
101	100		
85	50.0	33.9	50.9
151	72.6	59.8	89.8





#9

1,1-Dichloroethene

Concen: 1.982 ug/l

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037150.D

Acq: 10 Mar 2020 13:41

Instrument :

MSVOA_U

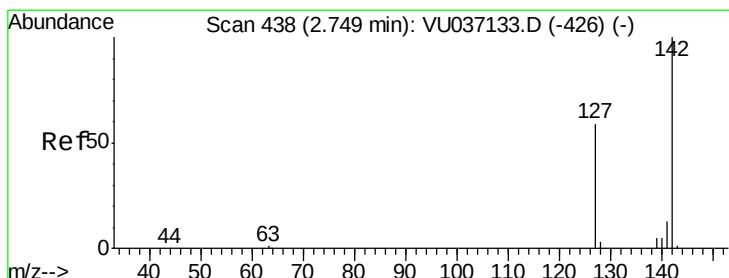
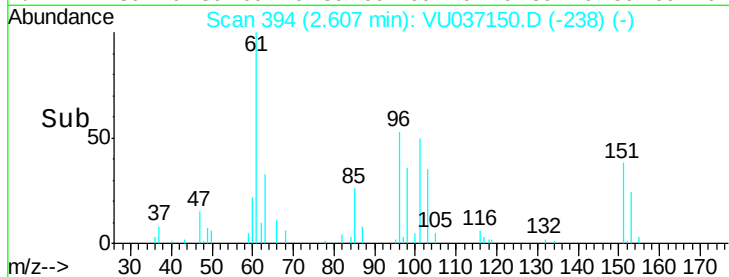
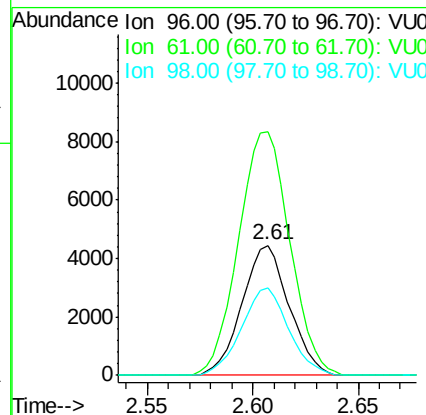
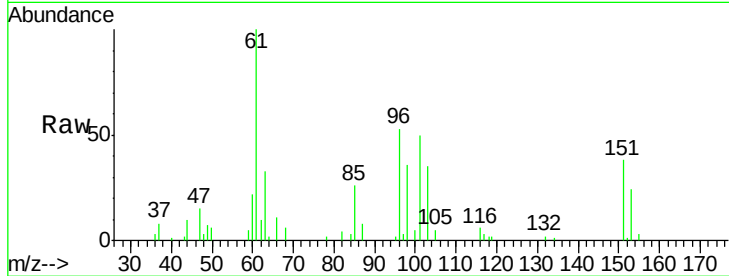
ClientSampleId :

VU0310WBSD01

Tot Ion:	96	Resp:	6895
Ion	Ratio	Lower	Upper
96	100		
61	187.1	0.0	463.2
98	66.7	0.0	130.0

Manual Integrations
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#10

Iodomethane

Concen: 1.716 ug/l

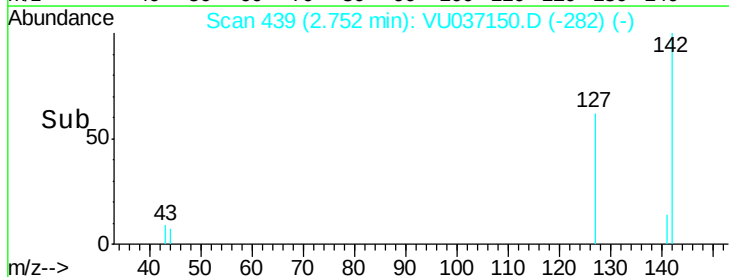
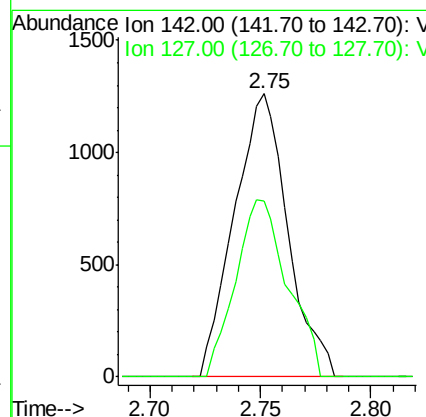
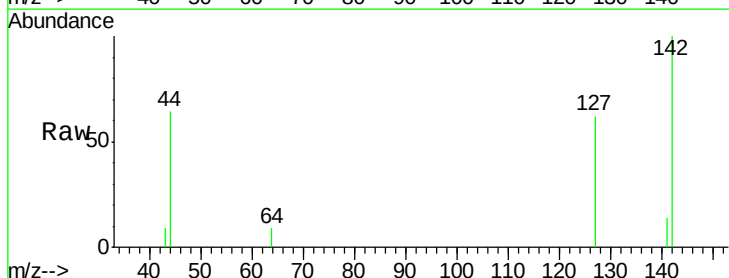
RT: 2.75 min Scan# 439

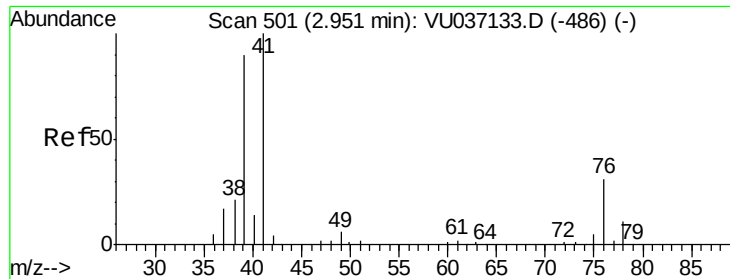
Delta R.T. 0.00 min

Lab File: VU037150.D

Acq: 10 Mar 2020 13:41

Tgt Ion:	142	Resp:	2129
Ion	Ratio	Lower	Upper
142	100		
127	60.6	30.3	45.5#





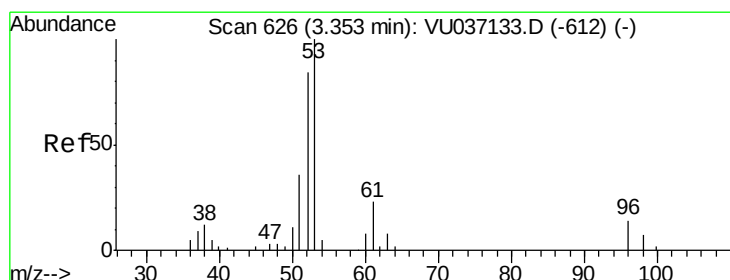
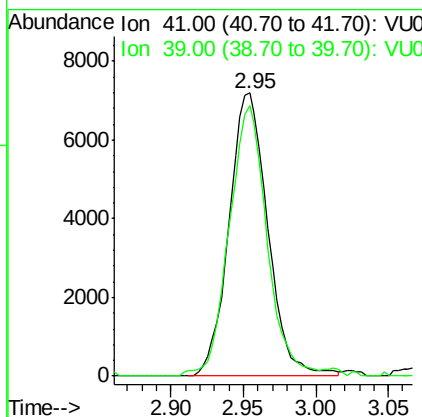
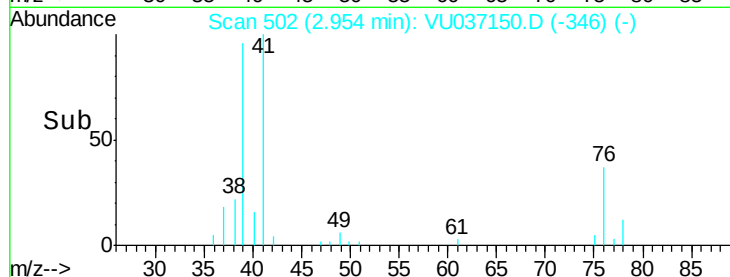
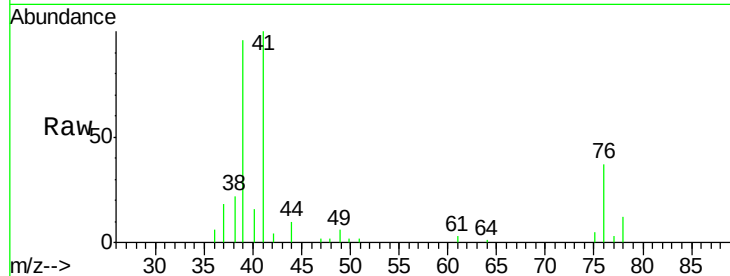
#11
 Allvl Chloride
 Concen: 1.978 ug/l
 RT: 2.95 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VU037150.D
 Acq: 10 Mar 2020 13:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0310WBSD01

Tot Ion: 41 Resp: 13340
 Ion Ratio Lower Upper
 41 100
 39 93.2 50.7 76.1#

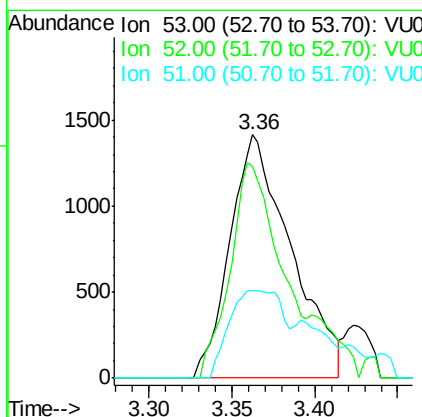
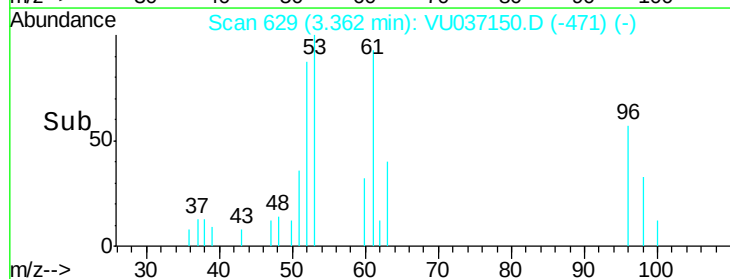
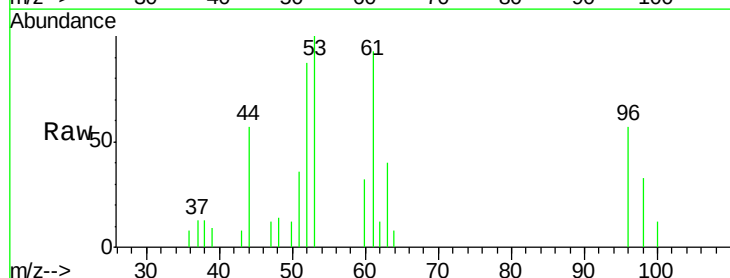
Manual Integrations
 APPROVED

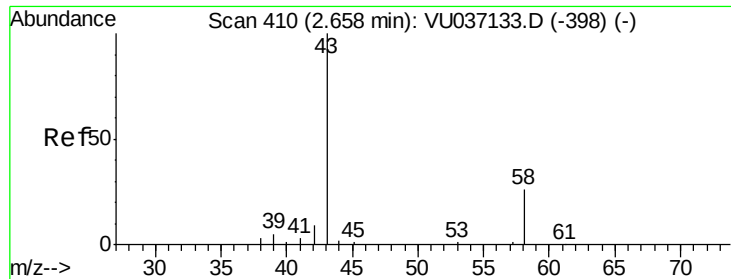
sam
 3/11/2020 3:32:31 PM



#12
 Acrylonitrile
 Concen: 4.382 ug/l
 RT: 3.36 min Scan# 629
 Delta R.T. 0.01 min
 Lab File: VU037150.D
 Acq: 10 Mar 2020 13:41

Tgt Ion: 53 Resp: 3606
 Ion Ratio Lower Upper
 53 100
 52 72.1 64.6 97.0
 51 31.7 27.2 40.8





#13

Acetone

Concen: 10.819 ug/l

RT: 2.66 min Scan# 412

Delta R.T. 0.01 min

Lab File: VU037150.D

Acq: 10 Mar 2020 13:41

Instrument :

MSVOA_U

ClientSampleId :

VU0310WBSD01

Tot Ion: 43 Resp: 9896

Ion Ratio Lower Upper

43 100

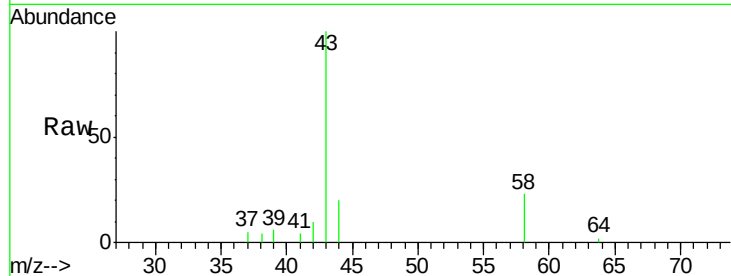
58 23.3 30.8 46.2#

Manual Integrations

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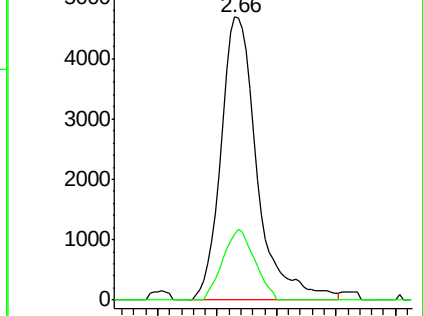
sam

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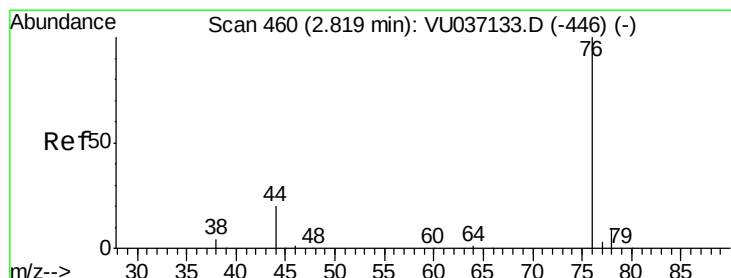
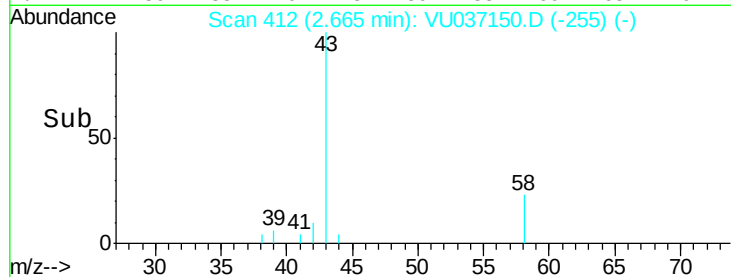


Abundance Ion 43.00 (42.70 to 43.70): VU037150.D (-255) (-)

Ion 58.00 (57.70 to 58.70): VU037150.D (-255) (-)



Time-->



#14

Carbon Disulfide

Concen: 1.977 ug/l

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037150.D

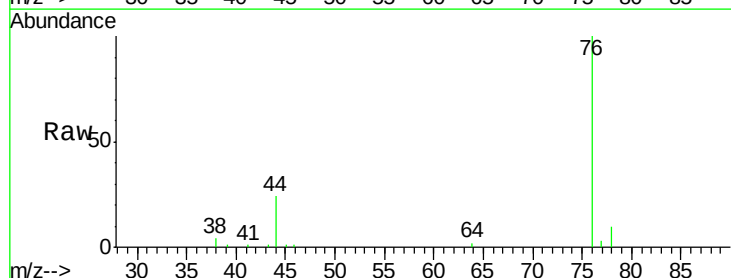
Acq: 10 Mar 2020 13:41

Tgt Ion: 76 Resp: 22912

Ion Ratio Lower Upper

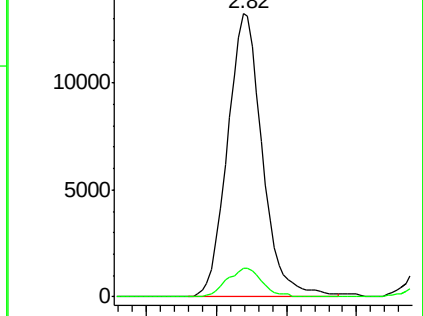
76 100

78 10.1 7.4 11.0

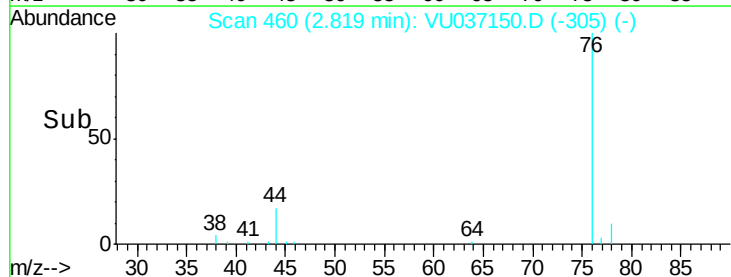


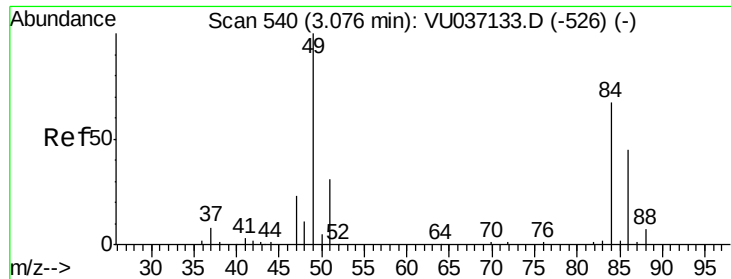
Abundance Ion 76.00 (75.70 to 76.70): VU037150.D (-305) (-)

Ion 78.00 (77.70 to 78.70): VU037150.D (-305) (-)



Time-->





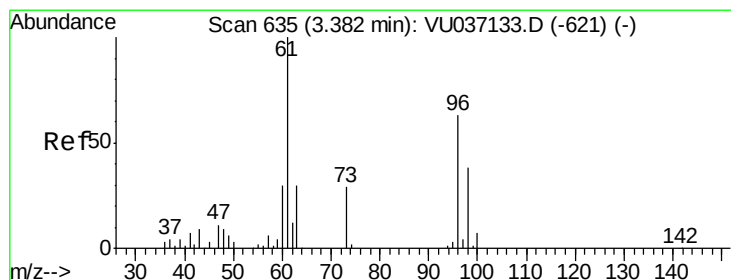
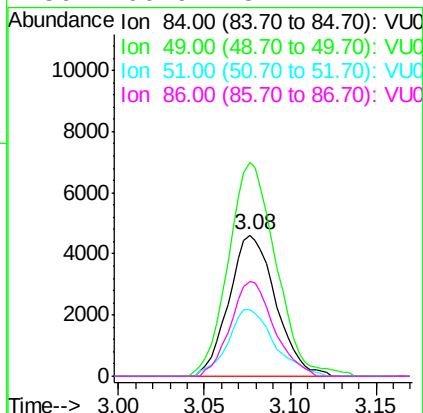
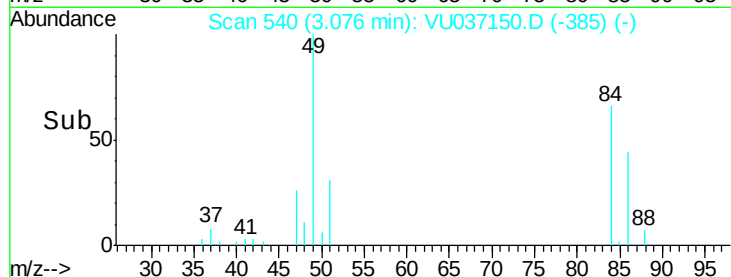
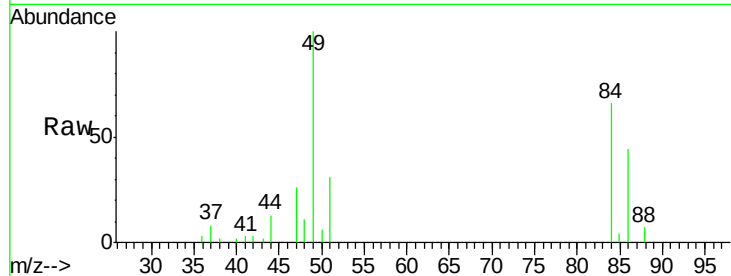
#15
Methylene Chloride
Concen: 2.002 ug/l
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037150.D
Acq: 10 Mar 2020 13:41

Instrument :
MSVOA_U
ClientSampleId :
VU0310WBSD01

Tot Ion	Ratio	Lower	Upper
84	100		
49	151.2	89.7	134.5#
51	47.5	0.0	71.6
86	66.9	51.4	77.2

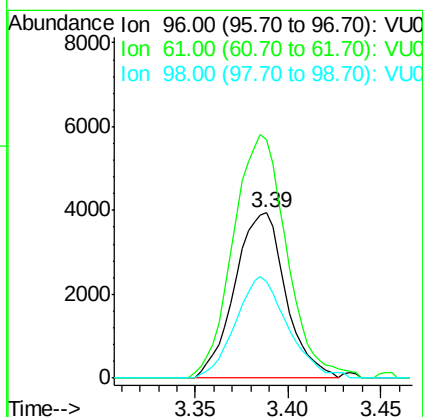
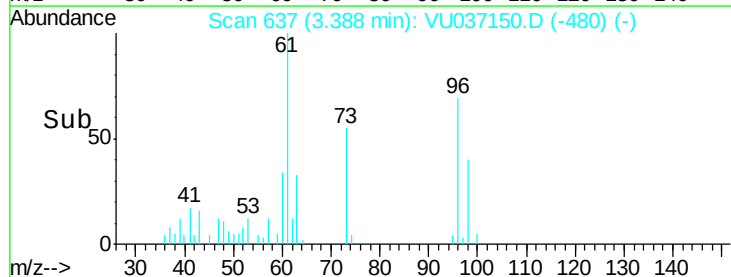
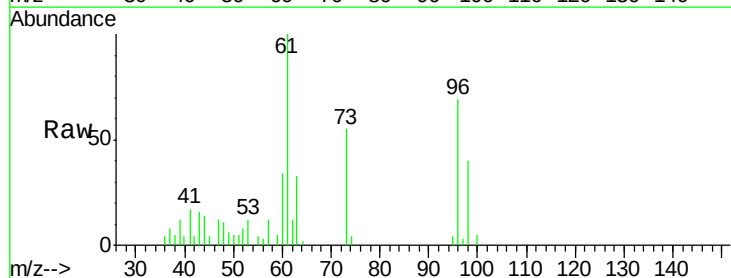
Manual Integrations
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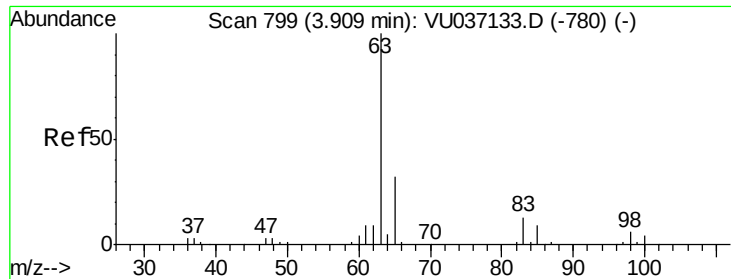
sam
3/11/2020 3:32:31 PM



#16
trans-1,2-Dichloroethene
Concen: 2.046 ug/l
RT: 3.39 min Scan# 637
Delta R.T. 0.01 min
Lab File: VU037150.D
Acq: 10 Mar 2020 13:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.3	110.8	166.2
98	58.1	50.3	75.5





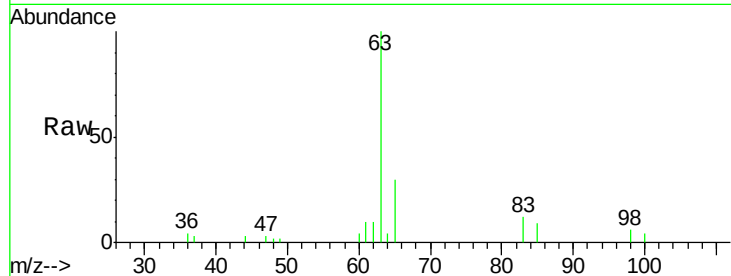
#17
 1,1-Dichloroethane
 Concen: 1.993 ug/l
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU037150.D
 Acq: 10 Mar 2020 13:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0310WBSD01

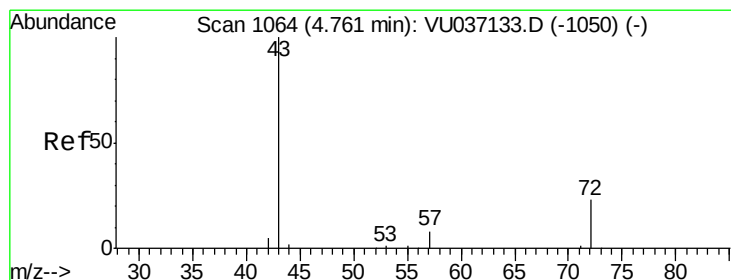
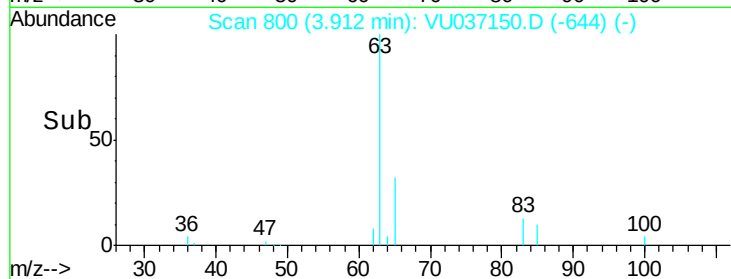
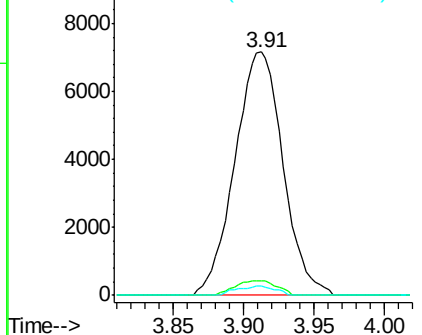
Tot Ion:	63	Resp:	17074
Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.5	10.5
100	4.0	2.4	7.1

Manual Integrations
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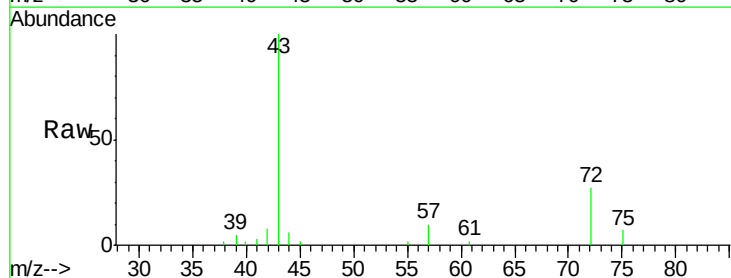


Abundance Ion 63.00 (62.70 to 63.70): VU037150.D (-644) (-)
 Ion 98.00 (97.70 to 98.70): VU037150.D (-644) (-)
 Ion 100.00 (99.70 to 100.70): VU037150.D (-644) (-)

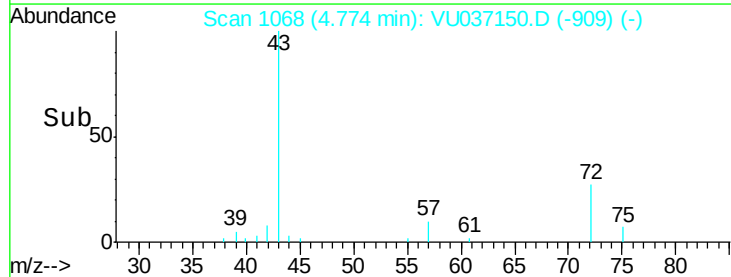
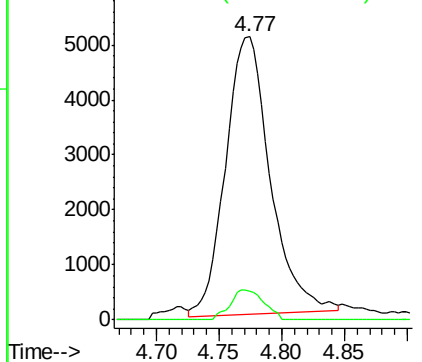


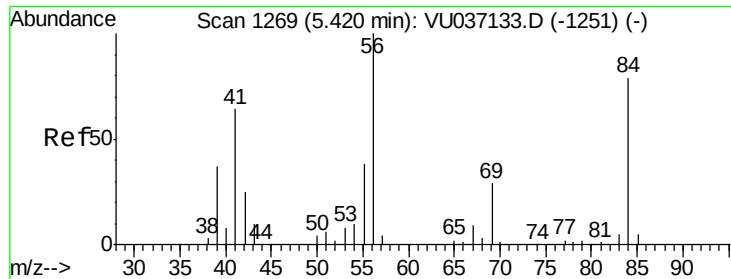
#18
 2-Butanone
 Concen: 8.951 ug/l
 RT: 4.77 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VU037150.D
 Acq: 10 Mar 2020 13:41

Tgt Ion:	43	Resp:	12514
Ion	Ratio	Lower	Upper
43	100		
57	10.6	0.0	17.8



Abundance Ion 43.00 (42.70 to 43.70): VU037150.D (-909) (-)
 Ion 57.00 (56.70 to 57.70): VU037150.D (-909) (-)





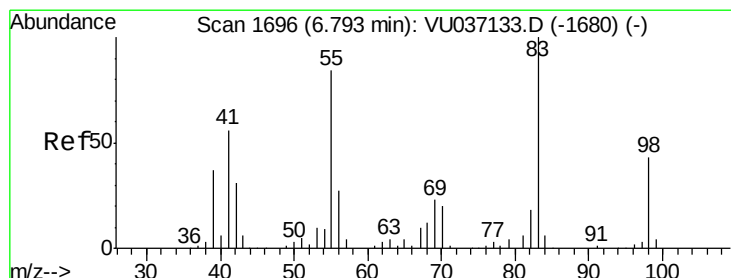
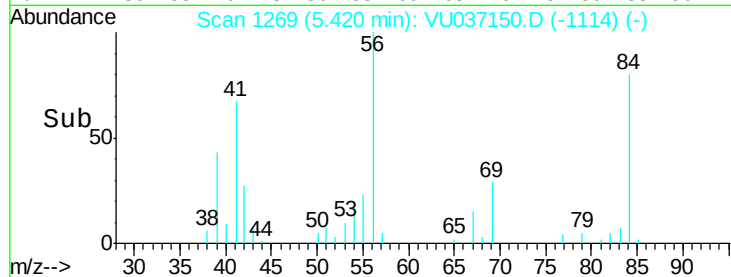
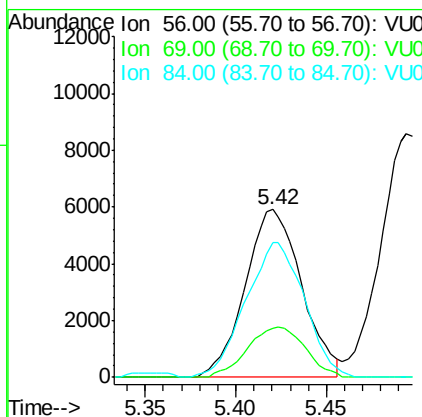
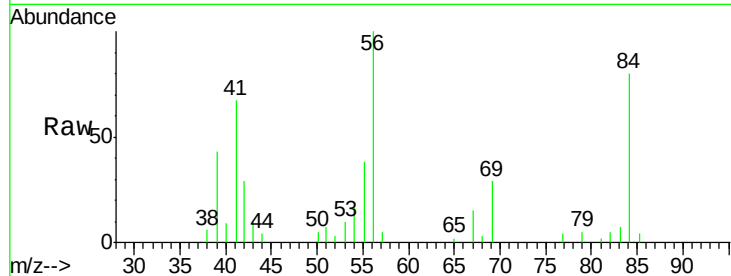
#19
Cyclohexane
Concen: 1.752 ug/l m
RT: 5.42 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VU037150.D
Acq: 10 Mar 2020 13:41

Instrument :
MSVOA_U
ClientSampleId :
VU0310WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	30.5	26.2	39.2	
84	83.1	72.8	109.2	

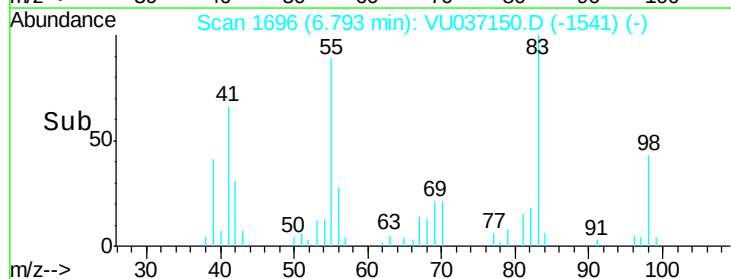
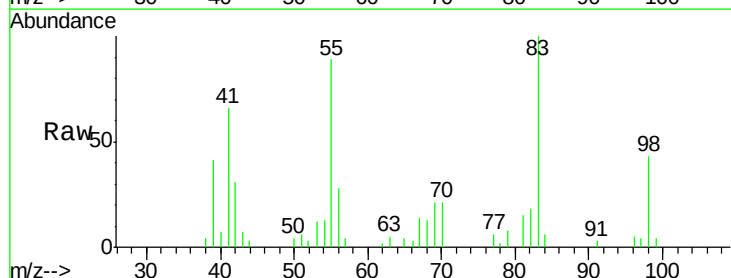
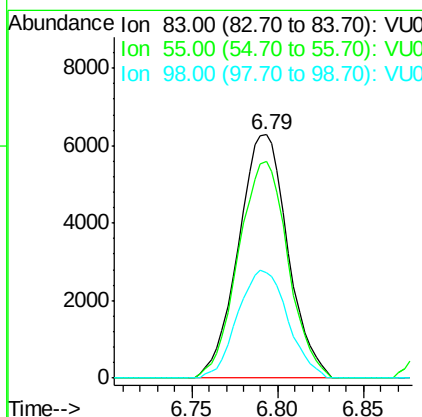
Manual Integrations
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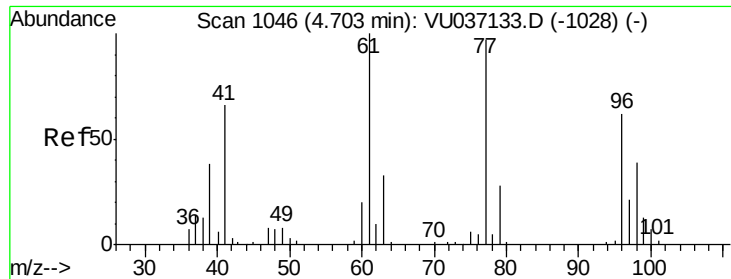
sam
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#20
Methylcyclohexane
Concen: 1.741 ug/l
RT: 6.79 min Scan# 1696
Delta R.T. -0.00 min
Lab File: VU037150.D
Acq: 10 Mar 2020 13:41

Tgt Ion	Ion	Ratio	Lower	Upper
83	100			
55	89.4	56.6	85.0#	
98	44.9	37.5	56.3	





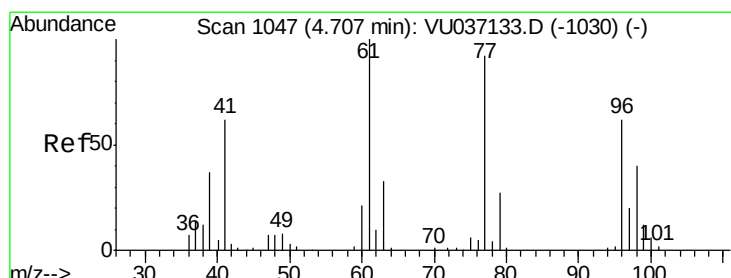
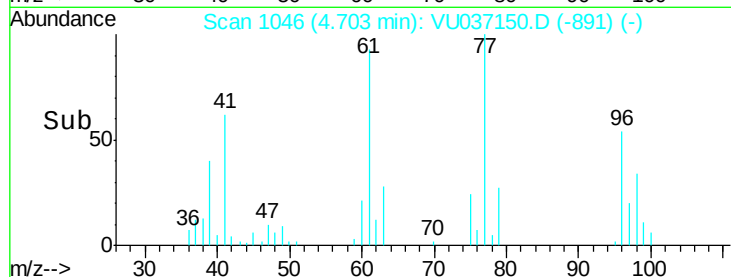
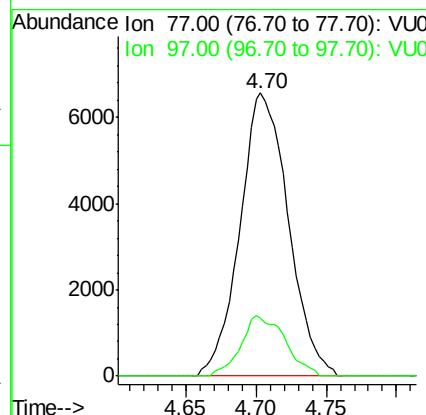
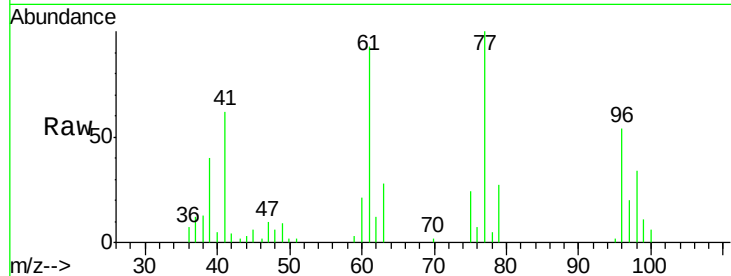
#21
 2,2-Dichloropropane
 Concen: 2.014 ug/l
 RT: 4.70 min Scan# 1046
 Delta R.T. -0.00 min
 Lab File: VU037150.D
 Acq: 10 Mar 2020 13:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0310WBSD01

Tot Ion: 77 Resp: 15744
 Ion Ratio Lower Upper
 77 100
 97 19.6 19.0 28.4

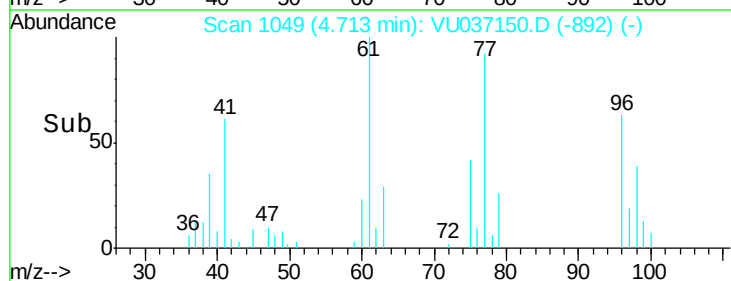
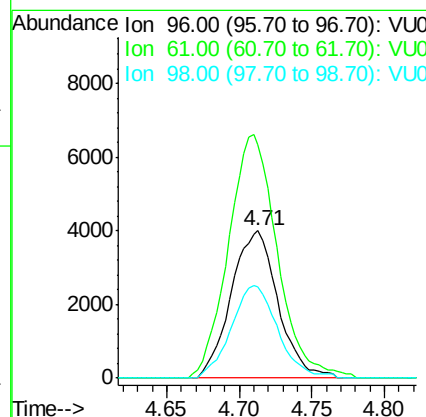
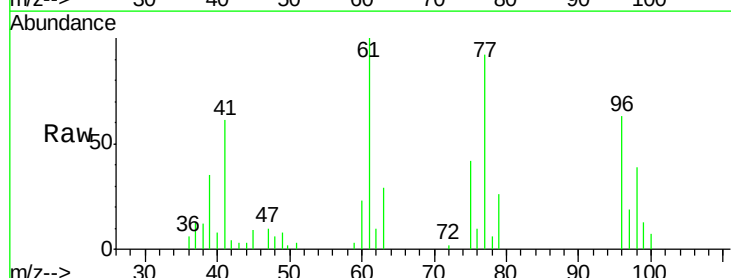
Manual Integrations
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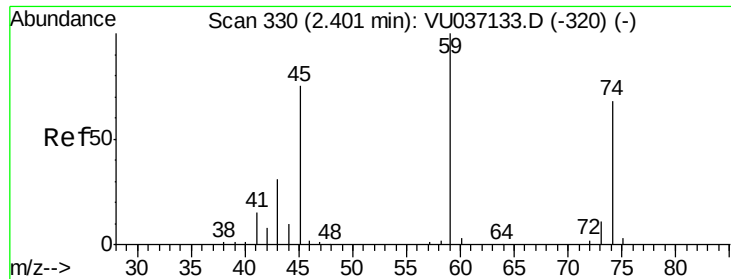
sam
 3/11/2020 3:32:31 PM



#22
 cis-1,2-Dichloroethene
 Concen: 1.966 ug/l
 RT: 4.71 min Scan# 1049
 Delta R.T. 0.01 min
 Lab File: VU037150.D
 Acq: 10 Mar 2020 13:41

Tgt Ion: 96 Resp: 8998
 Ion Ratio Lower Upper
 96 100
 61 171.7 0.0 342.0
 98 62.5 32.0 96.0





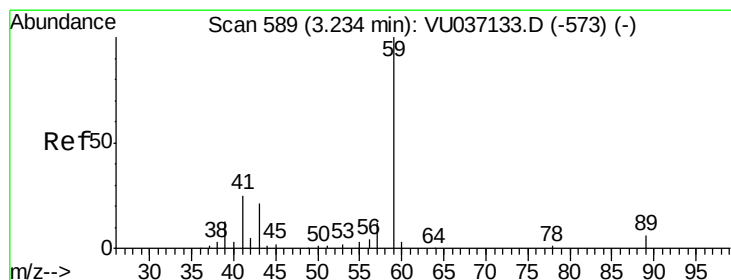
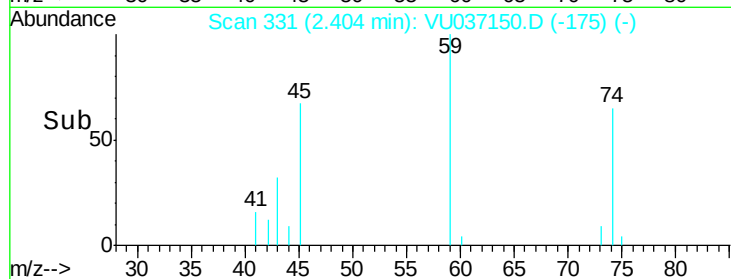
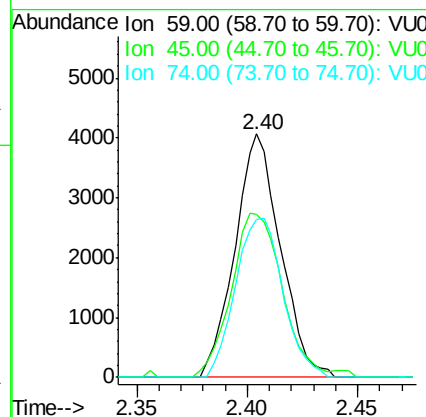
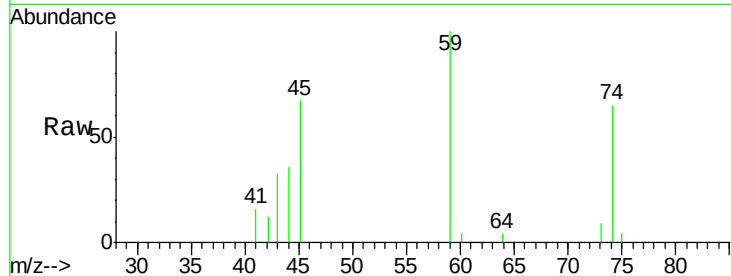
#23
Diethyl Ether
Concen: 1.980 ug/l
RT: 2.40 min Scan# 331
Delta R.T. 0.00 min
Lab File: VU037150.D
Acq: 10 Mar 2020 13:41

Instrument :
MSVOA_U
ClientSampleId :
VU0310WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
45	75.3	52.4	78.6
74	68.1	62.1	93.1

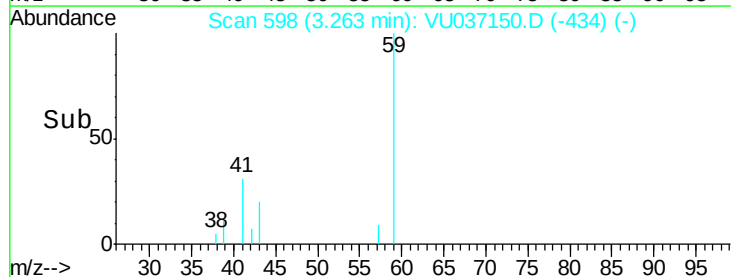
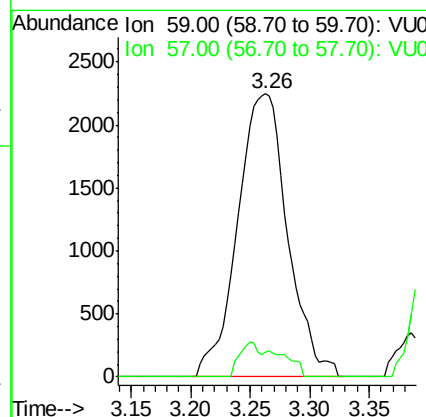
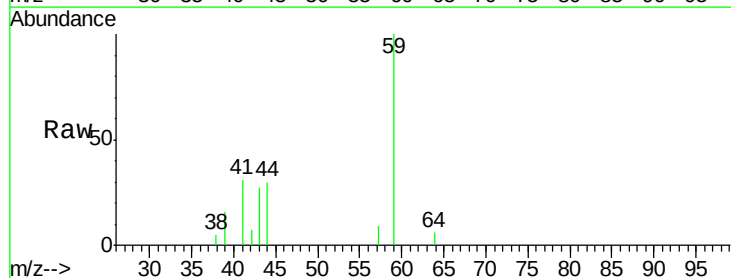
Manual Integrations
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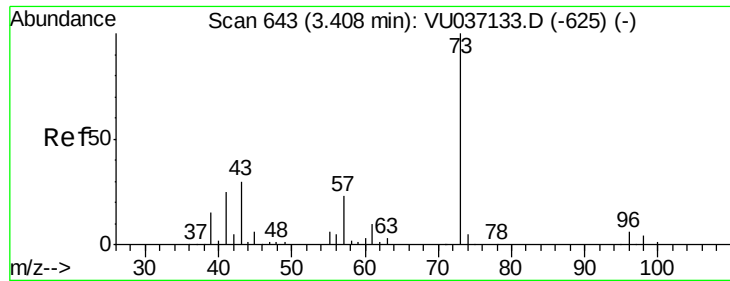
sam
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#24
tert-Butyl Alcohol
Concen: 20.305 ug/l
RT: 3.26 min Scan# 598
Delta R.T. 0.03 min
Lab File: VU037150.D
Acq: 10 Mar 2020 13:41

Tgt Ion	Ratio	Lower	Upper
59	100		
57	5.0	8.4	12.6





#25

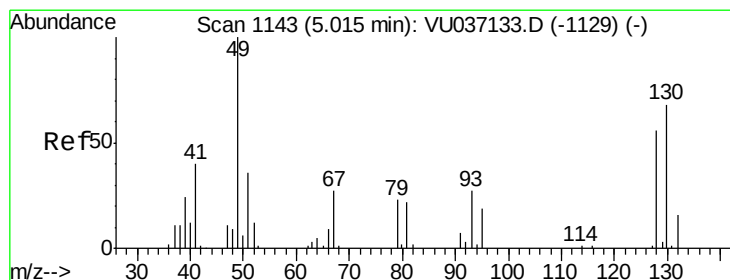
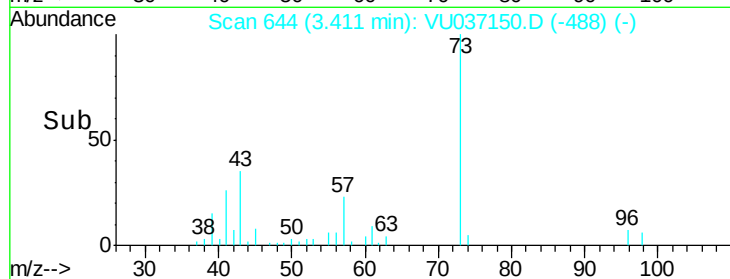
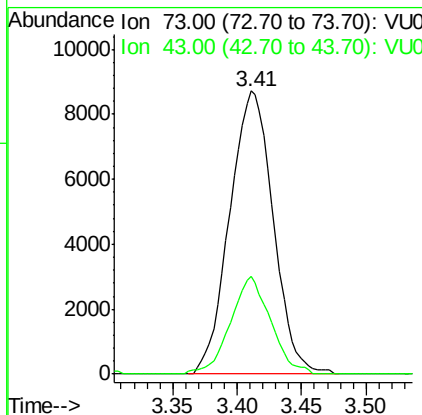
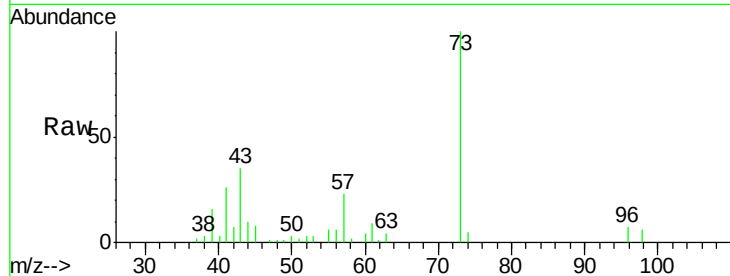
Methyl tert-Butyl Ether
 Concen: 2.010 ug/l
 RT: 3.41 min Scan# 644
 Delta R.T. 0.00 min
 Lab File: VU037150.D
 Acq: 10 Mar 2020 13:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0310WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
43	31.8	14.5	21.7#

Manual Integrations
 APPROVED

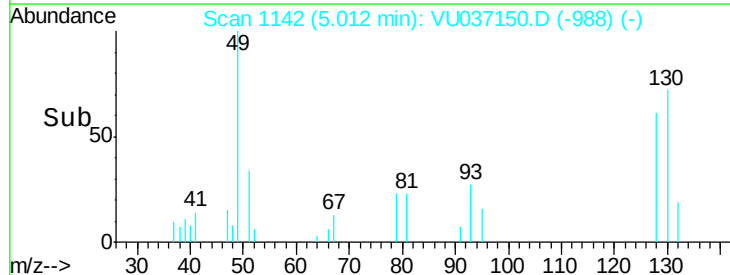
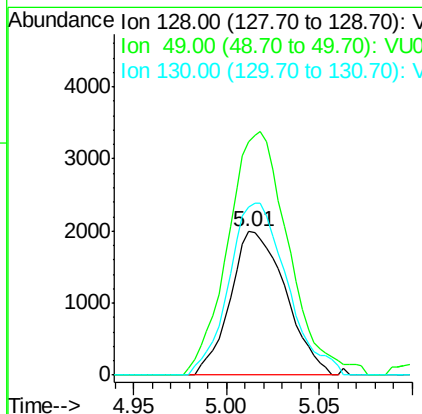
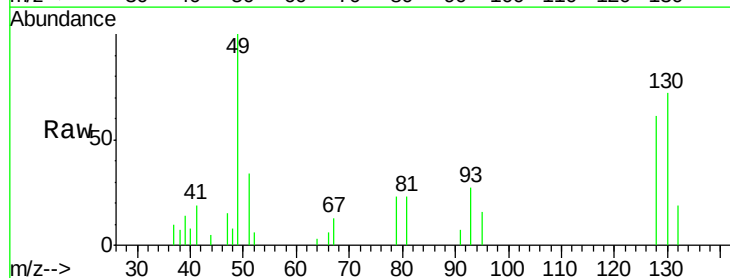
sam
 3/11/2020 3:32:31 PM

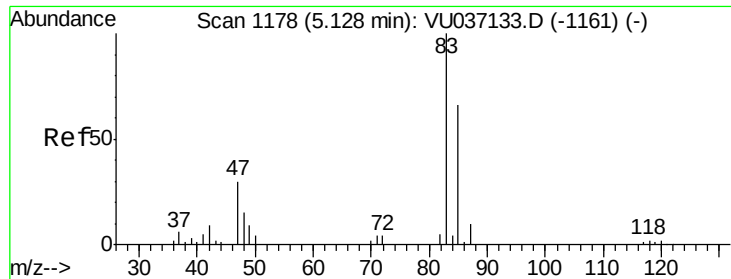


#26

Bromochloromethane
 Concen: 2.049 ug/l
 RT: 5.01 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VU037150.D
 Acq: 10 Mar 2020 13:41

Tgt Ion	Ratio	Lower	Upper
128	100		
49	186.0	0.0	286.2
130	126.0	104.3	156.5





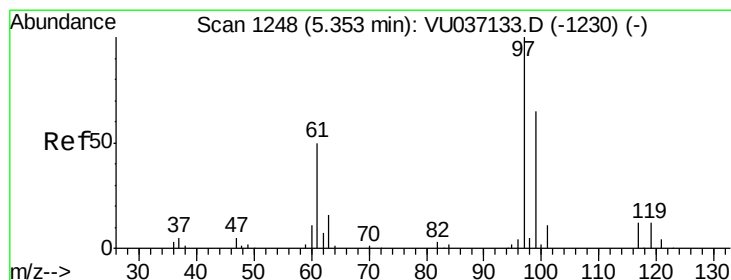
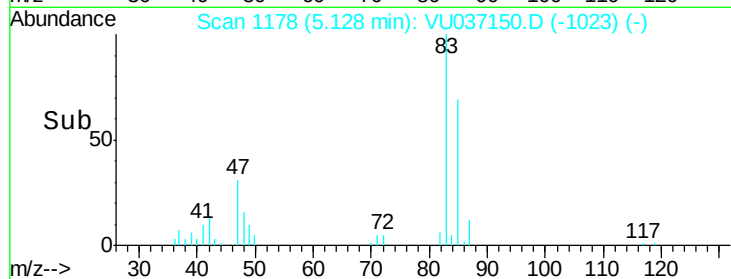
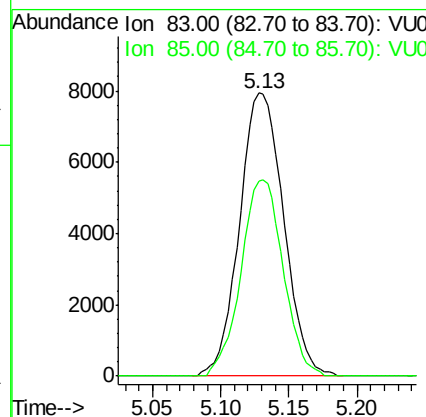
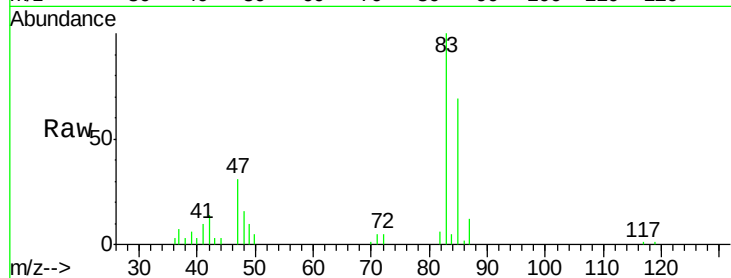
#27
Chloroform
Concen: 1.933 ug/l
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037150.D
Acq: 10 Mar 2020 13:41

Instrument :
MSVOA_U
ClientSampleId :
VU0310WBSD01

Tot Ion	83	Resp	17835
Ion Ratio	100	Lower	Upper
85	68.8	0.0	129.0

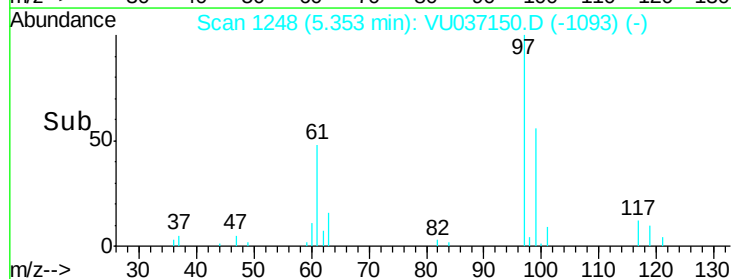
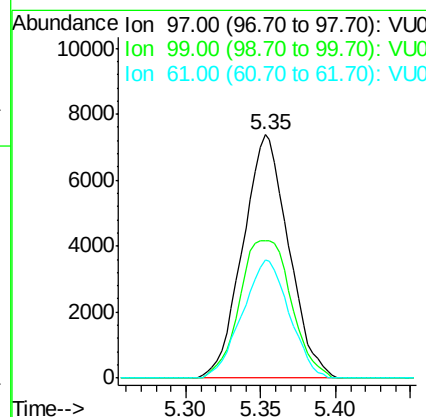
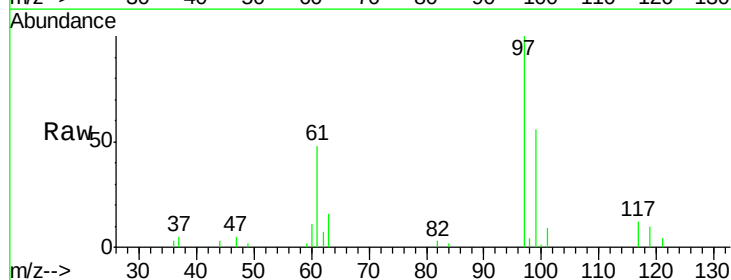
Manual Integrations
APPROVED

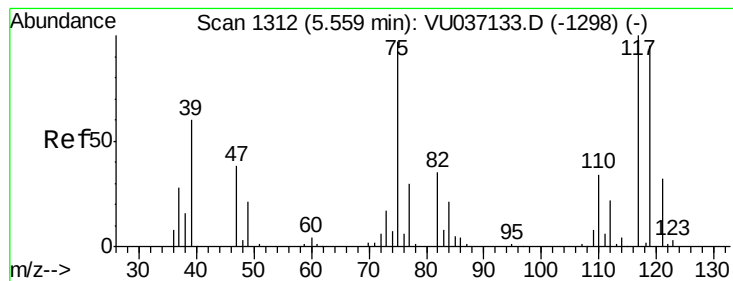
sam
3/11/2020 3:32:31 PM



#28
1,1,1-Trichloroethane
Concen: 1.992 ug/l
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU037150.D
Acq: 10 Mar 2020 13:41

Tgt Ion	97	Resp	15660
Ion Ratio	100	Lower	Upper
99	63.9	32.1	96.3
61	49.6	22.7	68.0





#29

1,1-Dichloropropene

Concen: 1.978 ug/l

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037150.D

Acq: 10 Mar 2020 13:41

Instrument :

MSVOA_U

ClientSampleId :

VU0310WBSD01

Tot Ion: 75 Resp: 12638

Ion Ratio Lower Upper

75 100

110 34.0 18.6 55.8

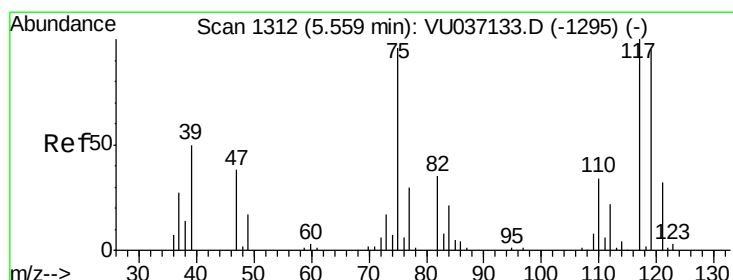
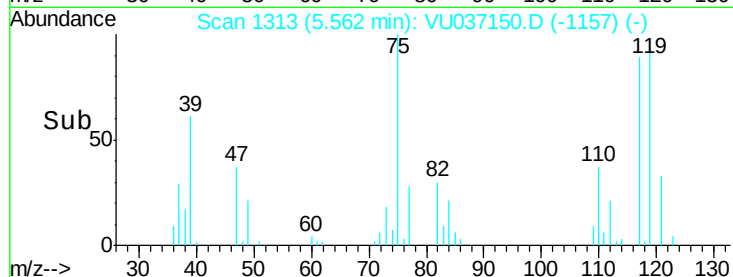
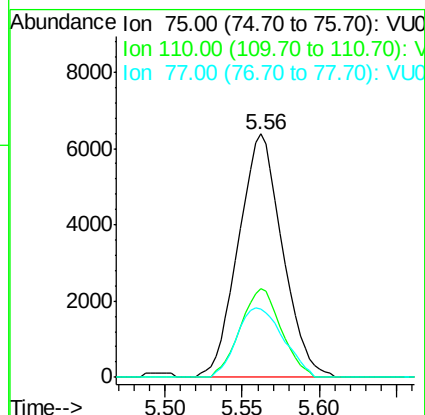
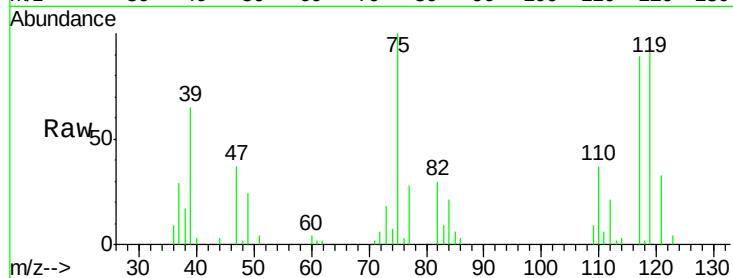
77 29.8 25.0 37.4

Manual Integrations

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#30

Carbon Tetrachloride

Concen: 0.278 ug/l

RT: 5.35 min Scan# 1247

Delta R.T. -0.21 min

Lab File: VU037150.D

Acq: 10 Mar 2020 13:41

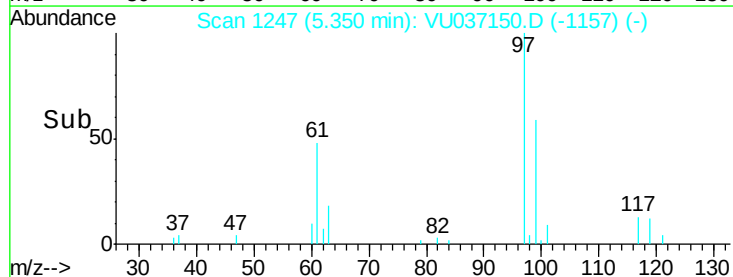
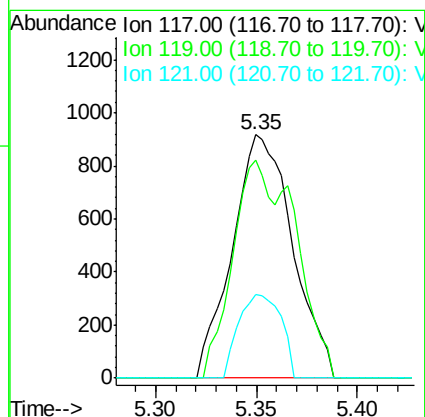
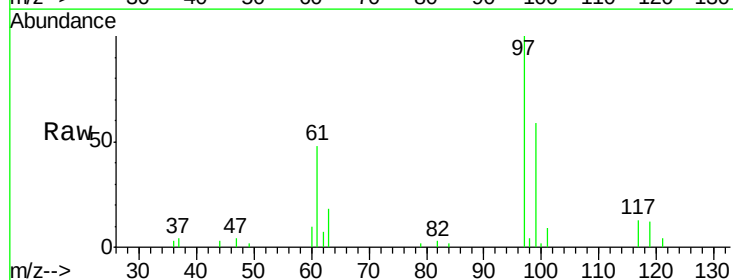
Tgt Ion: 117 Resp: 1910

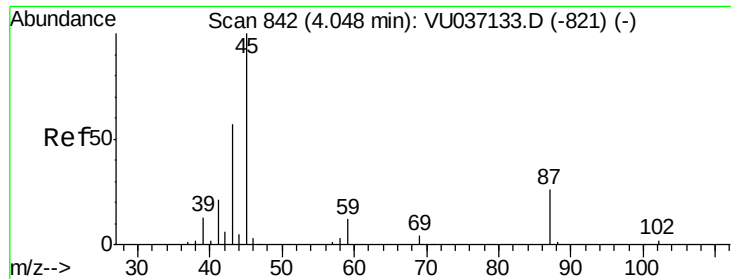
Ion Ratio Lower Upper

117 100

119 89.3 77.0 115.6

121 34.1 23.3 34.9





#31

Isopropyl Ether

Concen: 1.832 ug/l

RT: 4.05 min Scan# 842

Delta R.T. -0.00 min

Lab File: VU037150.D

Acq: 10 Mar 2020 13:41

Instrument :

MSVOA_U

ClientSampleId :

VU0310WBSD01

Tot Ion: 45 Resp: 25052

Ion Ratio Lower Upper

45 100

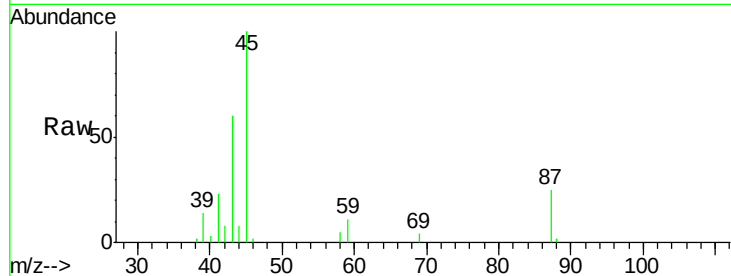
43 60.5 24.0 72.0

Manual Integrations

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Abundance Ion 45.00 (44.70 to 45.70): VU037133.D (-821) (-)

Ion 43.00 (42.70 to 43.70): VU037133.D (-821) (-)

4.05

10000

8000

6000

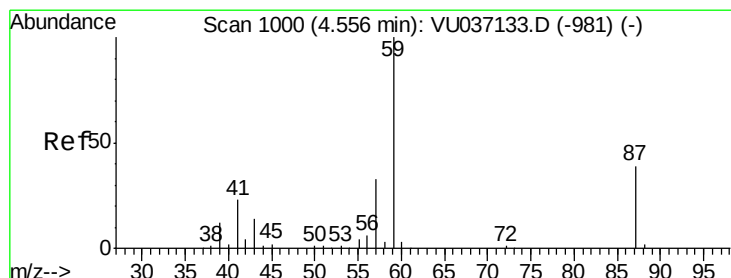
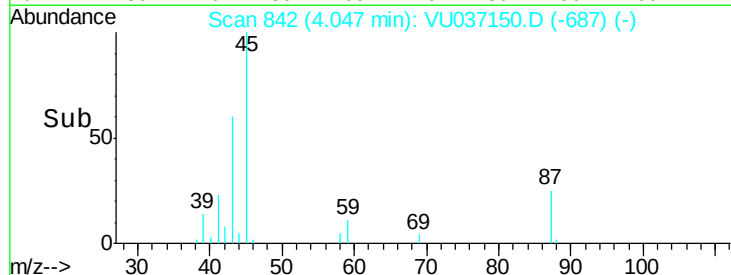
4000

2000

0

3.95 4.00 4.05 4.10 4.15

Time-->



#32

Ethyl-t-butyl ether

Concen: 1.834 ug/l

RT: 4.56 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VU037150.D

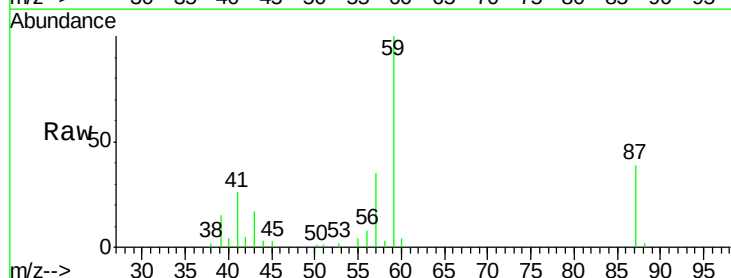
Acq: 10 Mar 2020 13:41

Tgt Ion: 59 Resp: 23671

Ion Ratio Lower Upper

59 100

87 38.9 35.1 52.7



Abundance Ion 59.00 (58.70 to 59.70): VU037133.D (-981) (-)

Ion 87.00 (86.70 to 87.70): VU037133.D (-981) (-)

4.56

10000

8000

6000

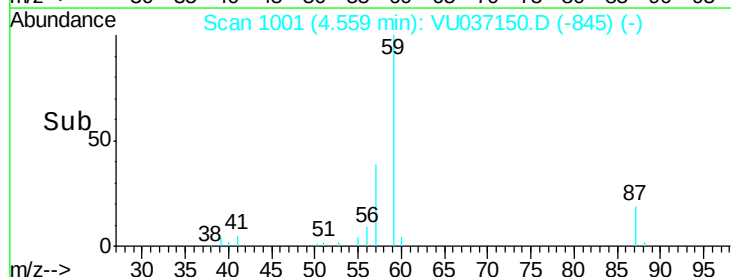
4000

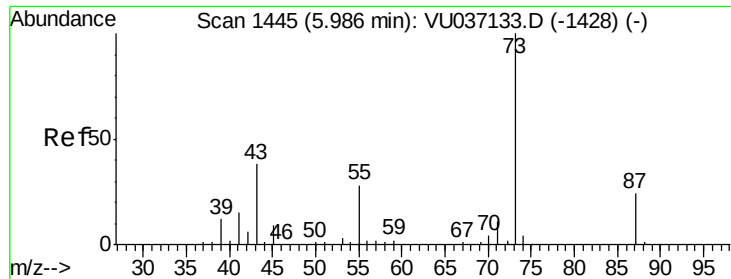
2000

0

4.45 4.50 4.55 4.60 4.65

Time-->





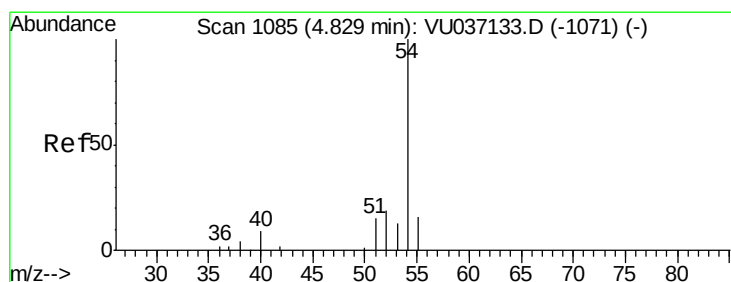
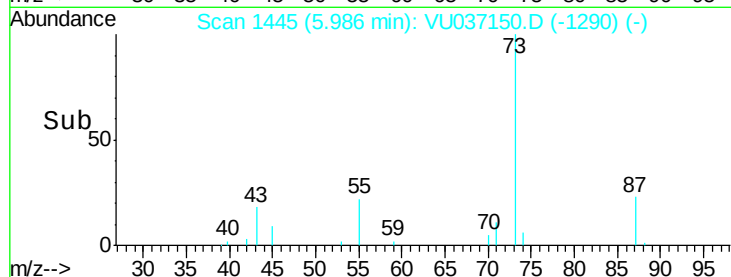
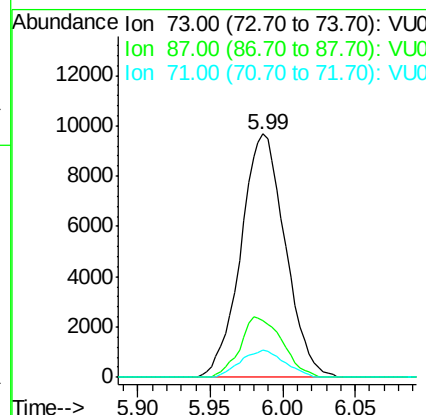
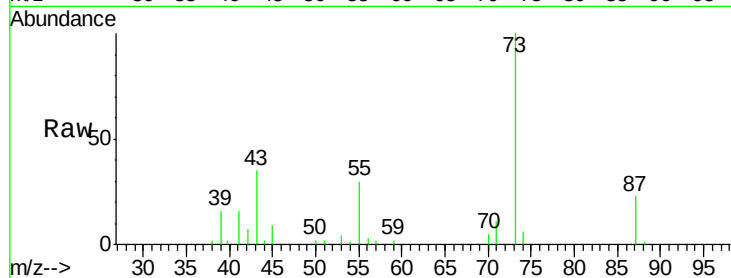
#33
Tert-Butyl methyl ether
Concen: 1.859 ug/l
RT: 5.99 min Scan# 1445
Delta R.T. -0.00 min
Lab File: VU037150.D
Acq: 10 Mar 2020 13:41

Instrument :
MSVOA_U
ClientSampleId :
VU0310WBSD01

Tot Ion:	73	Resp:	20594
Ion	Ratio	Lower	Upper
73	100		
87	23.6	19.8	29.6
71	11.0	9.1	13.7

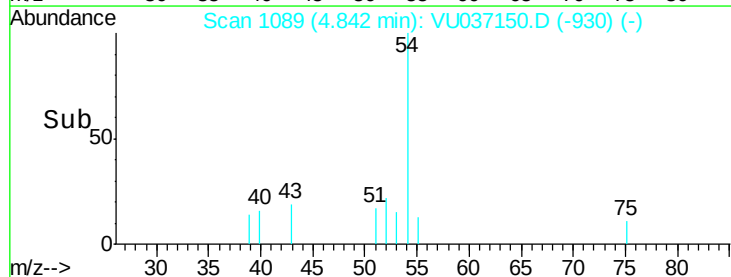
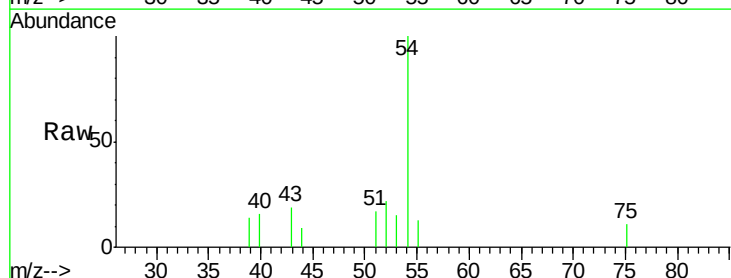
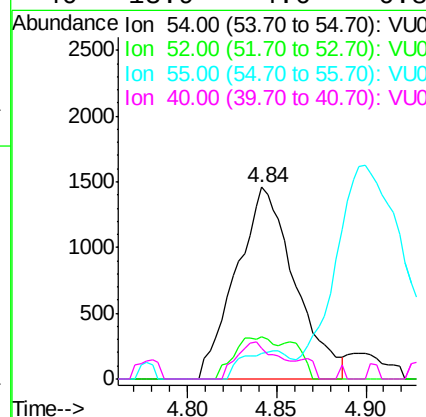
Manual Integrations
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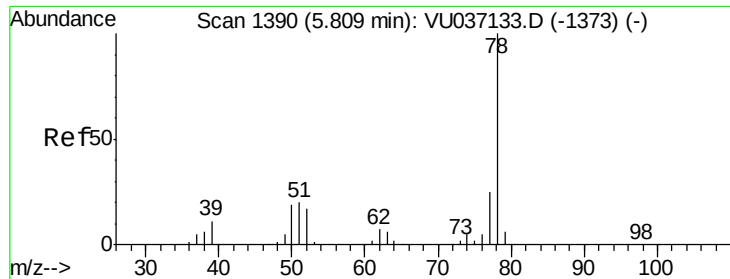
sam
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#34
Propionitrile
Concen: 9.088 ug/l
RT: 4.84 min Scan# 1089
Delta R.T. 0.01 min
Lab File: VU037150.D
Acq: 10 Mar 2020 13:41

Tgt Ion:	54	Resp:	3342
Ion	Ratio	Lower	Upper
54	100		
52	15.6	15.2	22.8
55	12.2	9.5	14.3
40	13.9	4.6	6.8





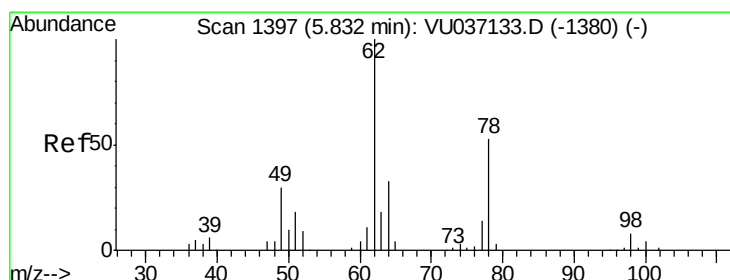
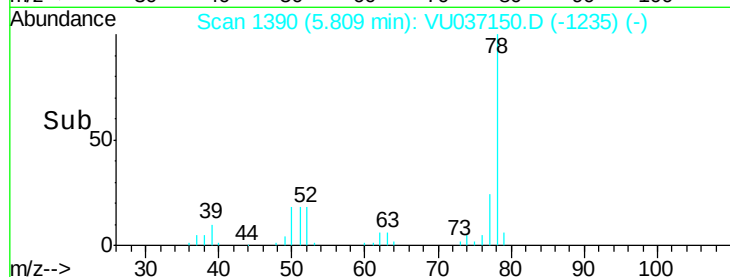
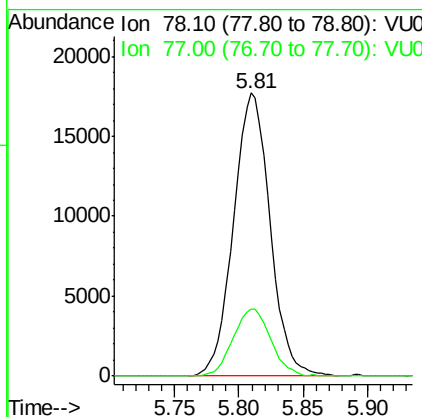
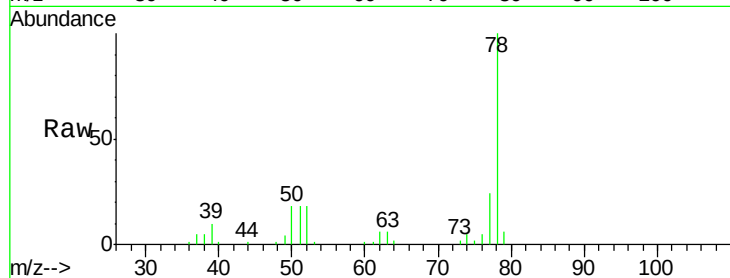
#35
Benzene
Concen: 1.929 ug/l
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU037150.D
Acq: 10 Mar 2020 13:41

Instrument :
MSVOA_U
ClientSampleId :
VU0310WBSD01

Tot Ion: 78 Resp: 35015
Ion Ratio Lower Upper
78 100
77 23.8 19.4 29.0

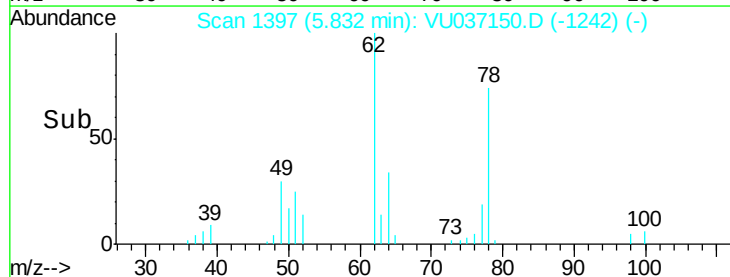
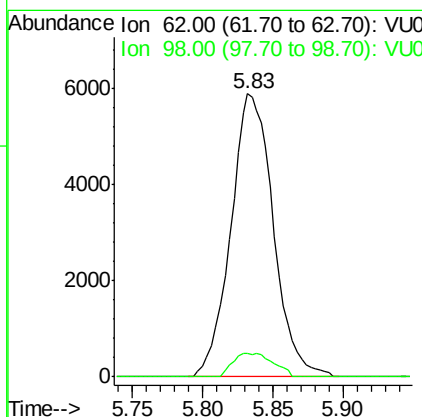
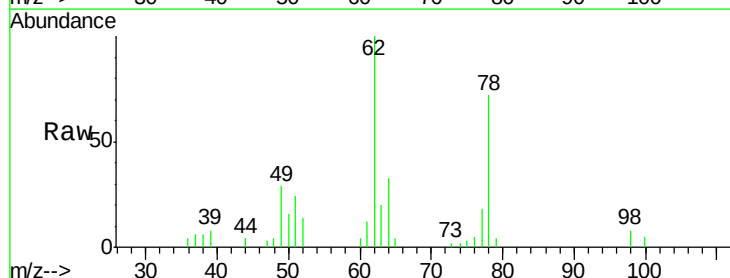
Manual Integrations
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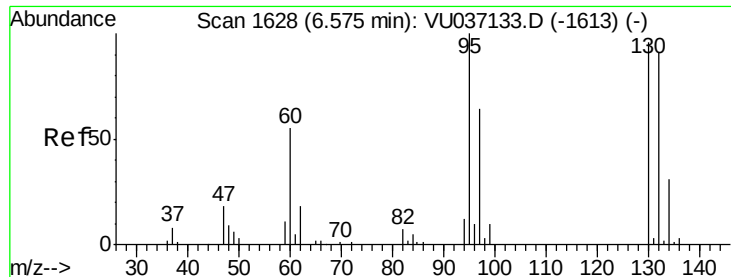
sam
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#36
1,2-Dichloroethane
Concen: 1.881 ug/l
RT: 5.83 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VU037150.D
Acq: 10 Mar 2020 13:41

Tgt Ion: 62 Resp: 12375
Ion Ratio Lower Upper
62 100
98 8.0 7.8 11.8





#37

Trichloroethene

Concen: 1.963 ug/l

RT: 6.57 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VU037150.D

Acq: 10 Mar 2020 13:41

Instrument :

MSVOA_U

ClientSampleId :

VU0310WBSD01

Tot Ion:130 Resp: 9350

Ion Ratio Lower Upper

130 100

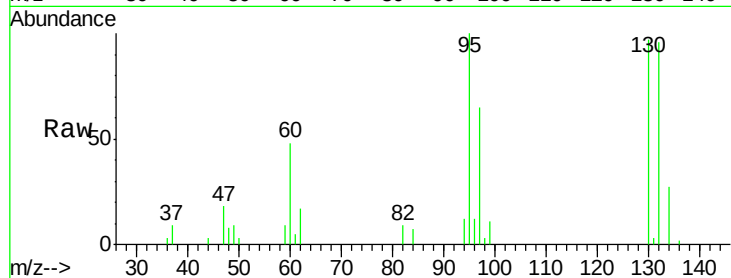
95 103.3 77.0 115.4

Manual Integrations

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sam

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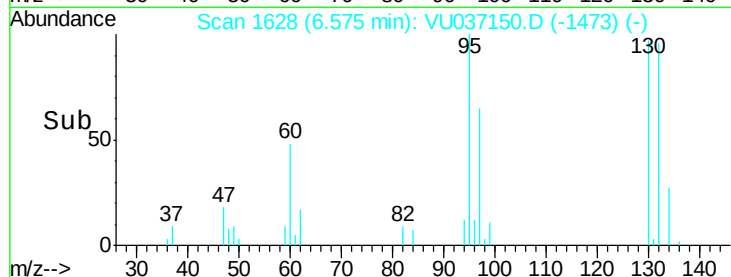


Abundance Ion 129.90 (129.60 to 130.60): VU037133.D (-1613) (-)

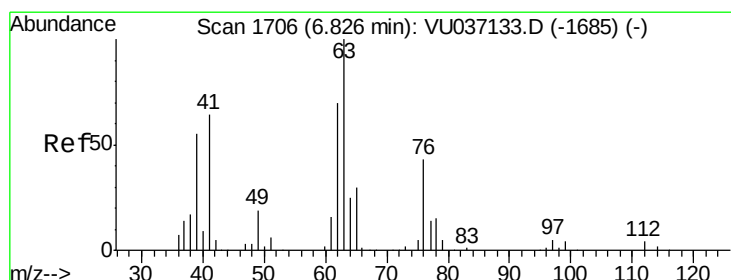
Ion 94.90 (94.60 to 95.60): VU037133.D (-1613) (-)

6.57

6.50 6.55 6.60 6.65



Time-->



#38

1,2-Dichloropropane

Concen: 1.887 ug/l

RT: 6.83 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VU037150.D

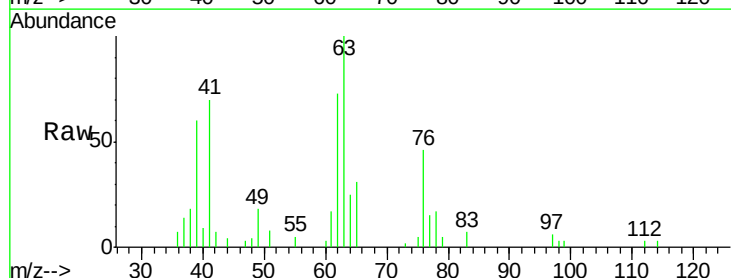
Acq: 10 Mar 2020 13:41

Tgt Ion: 63 Resp: 9400

Ion Ratio Lower Upper

63 100

65 31.1 24.7 37.1

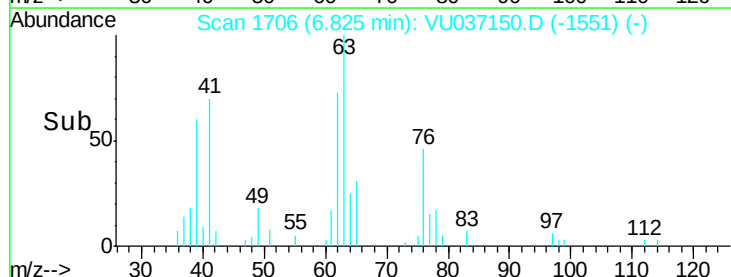


Abundance Ion 63.00 (62.70 to 63.70): VU037133.D (-1685) (-)

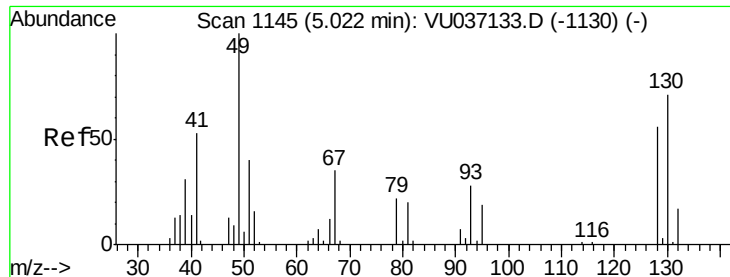
Ion 65.00 (64.70 to 65.70): VU037133.D (-1685) (-)

6.83

6.75 6.80 6.85 6.90



Time-->



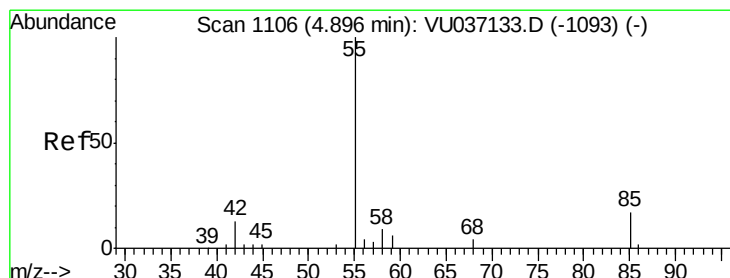
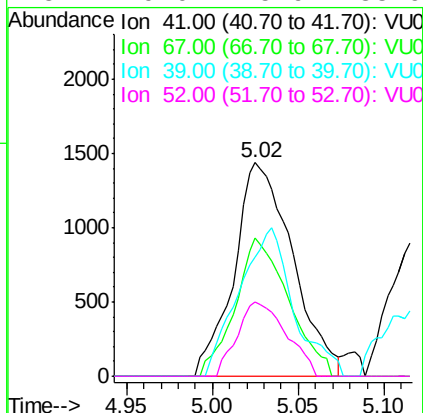
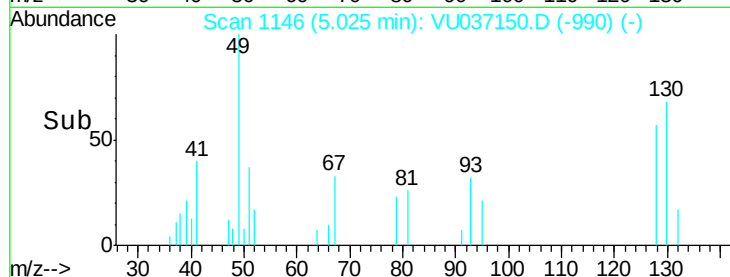
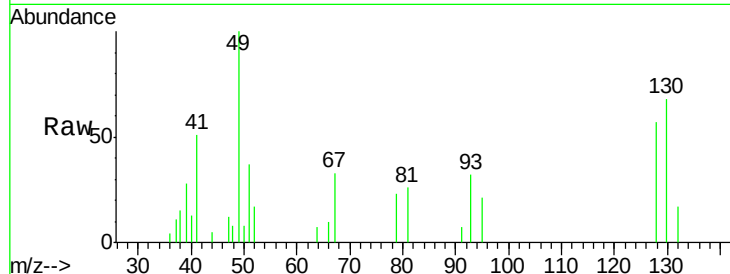
#39
Methacrylonitrile
Concen: 1.919 ug/l
RT: 5.02 min Scan# 1146
Delta R.T. 0.00 min
Lab File: VU037150.D
Acq: 10 Mar 2020 13:41

Instrument :
MSVOA_U
ClientSampleId :
VU0310WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
67	59.0	69.6	104.4#
39	64.6	41.6	62.4#
52	29.0	25.9	38.9

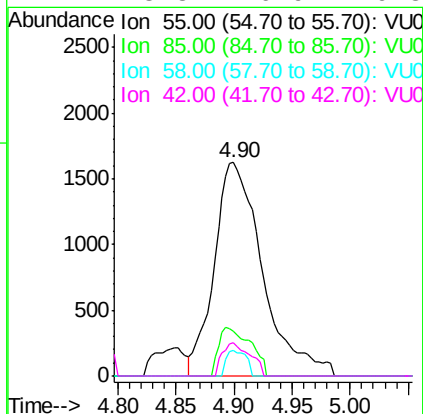
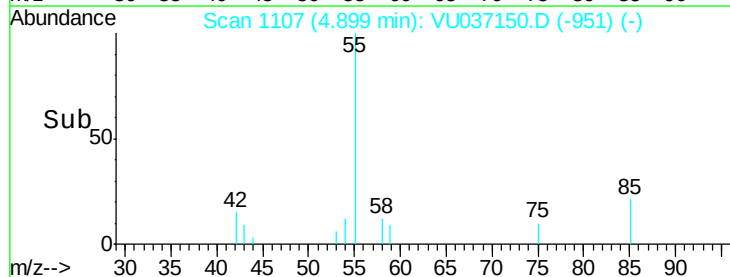
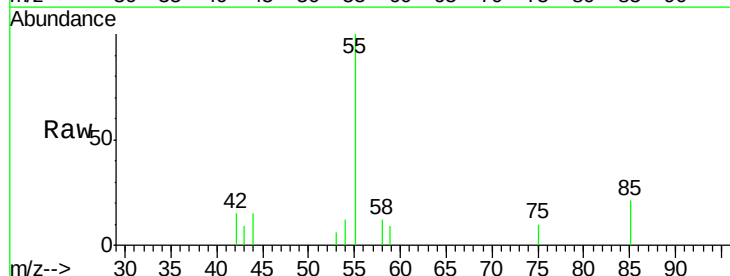
Manual Integrations
APPROVED

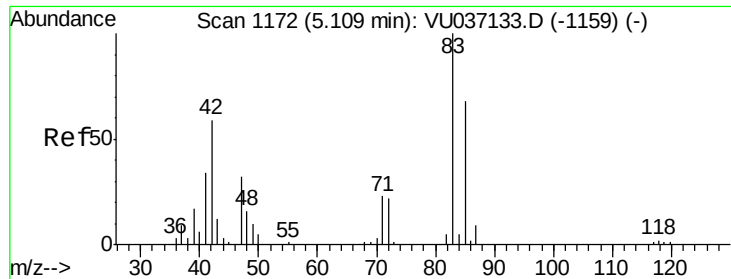
sam
3/11/2020 3:32:31 PM



#40
Methyl acrylate
Concen: 1.920 ug/l
RT: 4.90 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU037150.D
Acq: 10 Mar 2020 13:41

Tgt Ion	Ratio	Lower	Upper
55	100		
85	14.9	14.7	22.1
58	4.7	7.1	10.7#
42	8.8	6.9	10.3





#41

Tetrahydrofuran

Concen: 3.866 ug/l

RT: 5.11 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VU037150.D

Acq: 10 Mar 2020 13:41

Instrument :

MSVOA_U

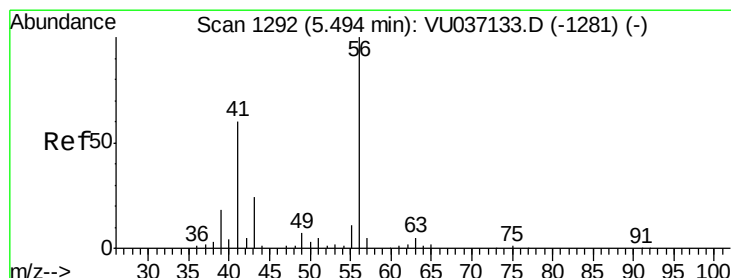
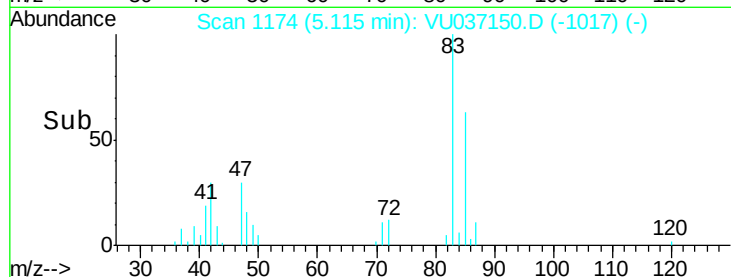
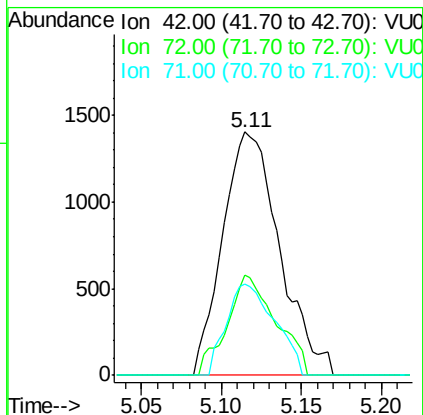
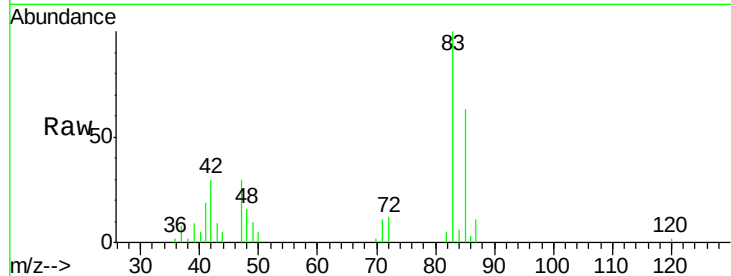
ClientSampleId :

VU0310WBSD01

Tot Ion:	42	Resp:	3422
Ion	Ratio	Lower	Upper
42	100		
72	35.3	42.5	63.7#
71	31.8	37.3	55.9#

Manual Integrations
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sam
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#42

1-Chlorobutane

Concen: 1.970 ug/l

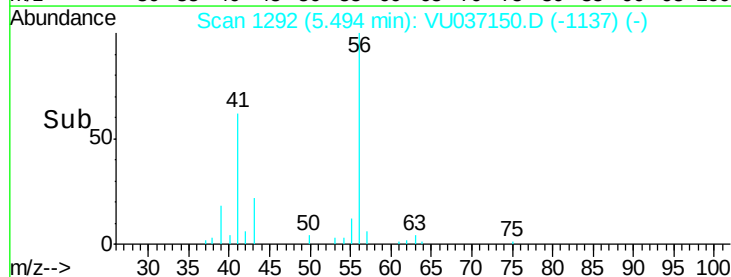
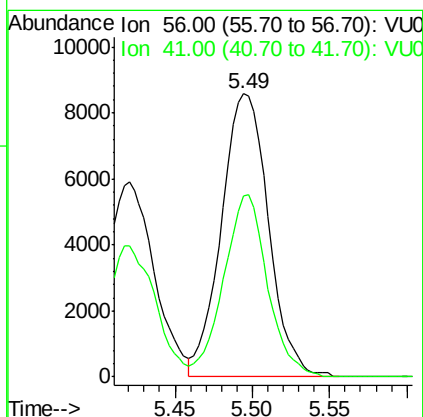
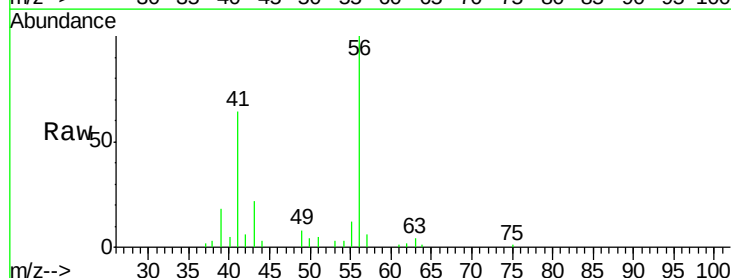
RT: 5.49 min Scan# 1292

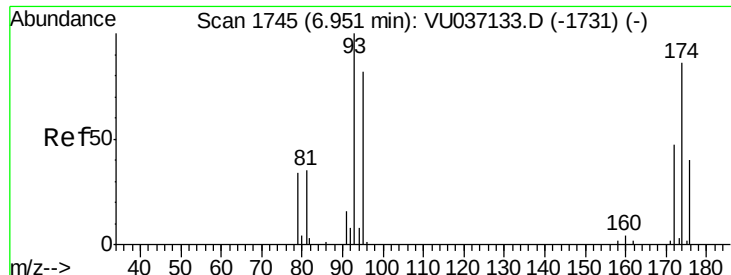
Delta R.T. -0.00 min

Lab File: VU037150.D

Acq: 10 Mar 2020 13:41

Tgt Ion:	56	Resp:	18131
Ion	Ratio	Lower	Upper
56	100		
41	59.8	24.8	74.3





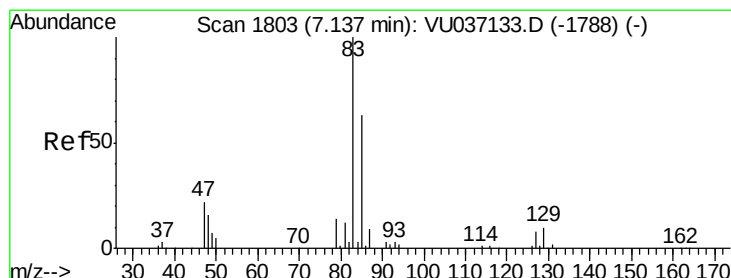
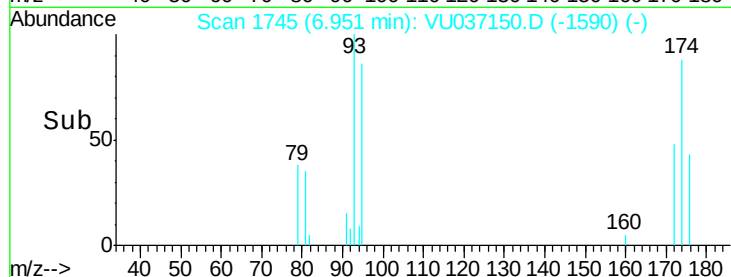
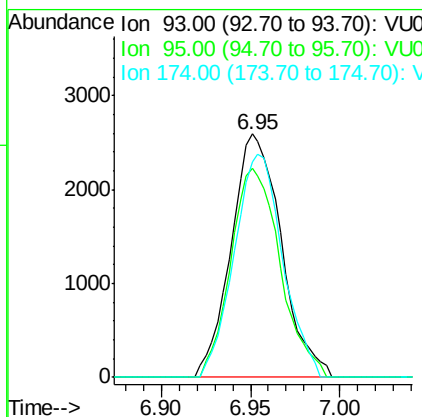
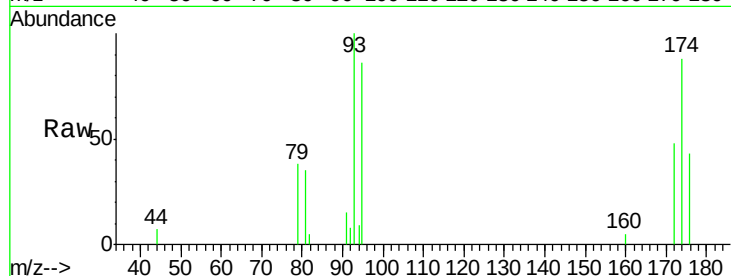
#43
 Dibromomethane
 Concen: 1.985 ug/l
 RT: 6.95 min Scan# 1745
 Delta R.T. -0.00 min
 Lab File: VU037150.D
 Acq: 10 Mar 2020 13:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0310WBSD01

Tot Ion	Ratio	Lower	Upper
93	100		
95	84.4	67.9	101.9
174	88.6	83.4	125.0

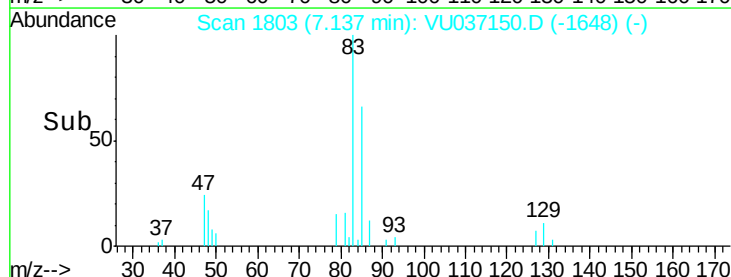
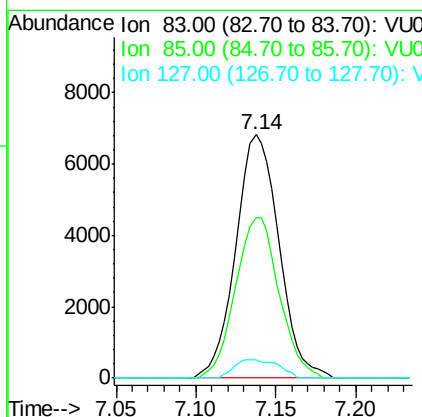
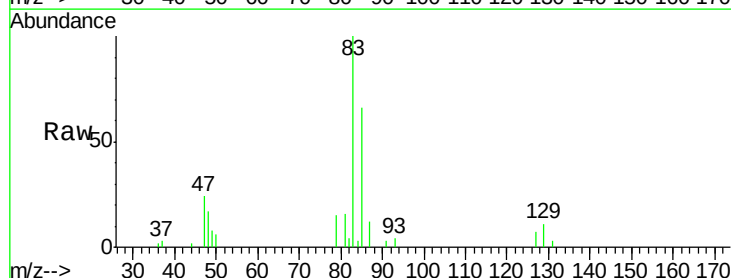
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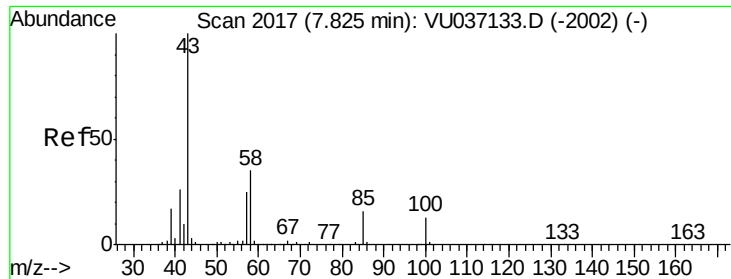
sam
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#44
 Bromodichloromethane
 Concen: 1.891 ug/l
 RT: 7.14 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VU037150.D
 Acq: 10 Mar 2020 13:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.8	77.6
127	7.3	6.8	10.2





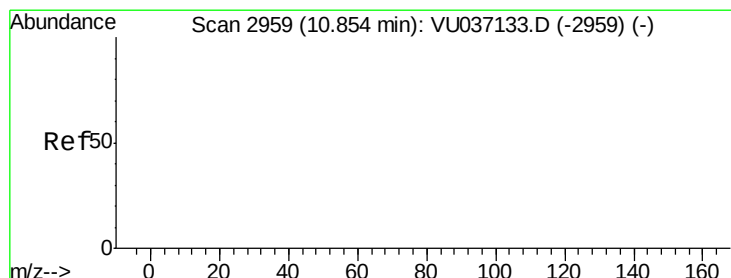
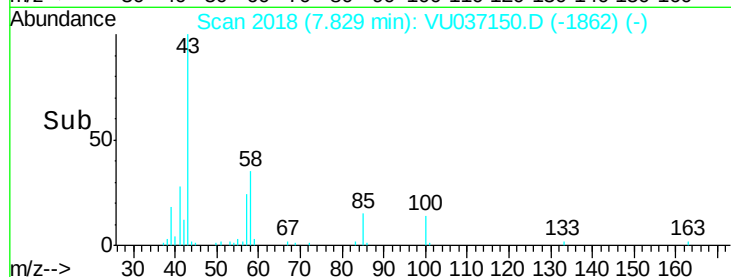
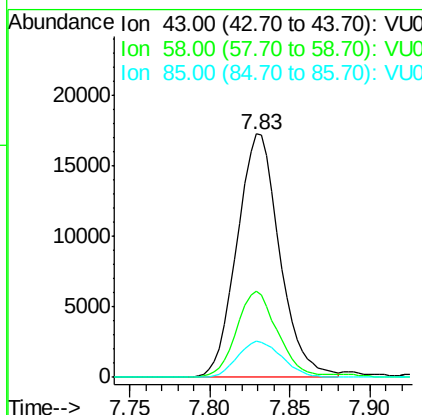
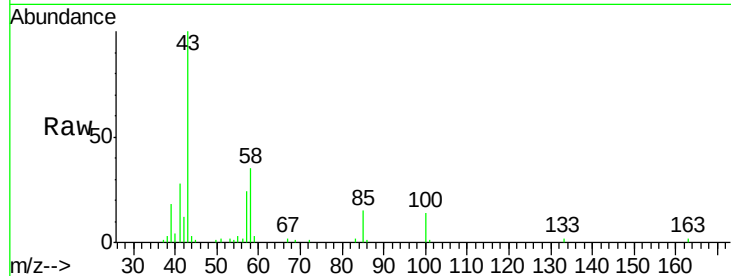
#45
 4-Methyl-2-Pentanone
 Concen: 9.172 ug/l
 RT: 7.83 min Scan# 2018
 Delta R.T. 0.00 min
 Lab File: VU037150.D
 Acq: 10 Mar 2020 13:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0310WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	34.0	22.1	66.1
85	15.4	17.4	26.0#

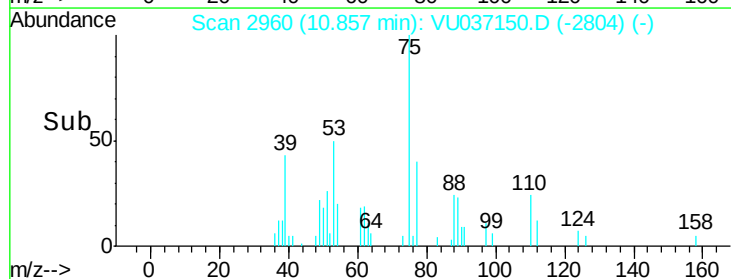
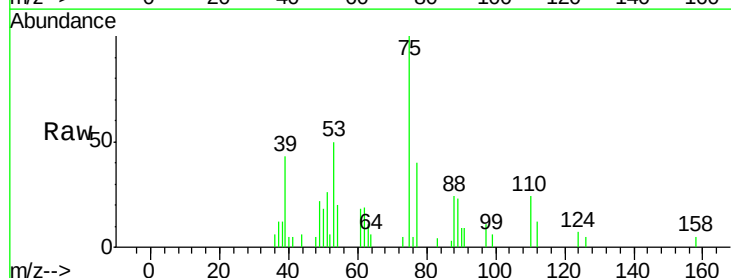
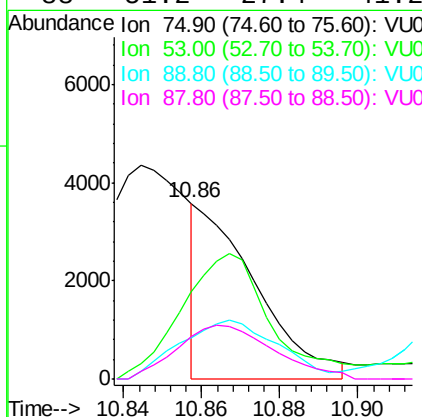
Manual Integrations
 APPROVED

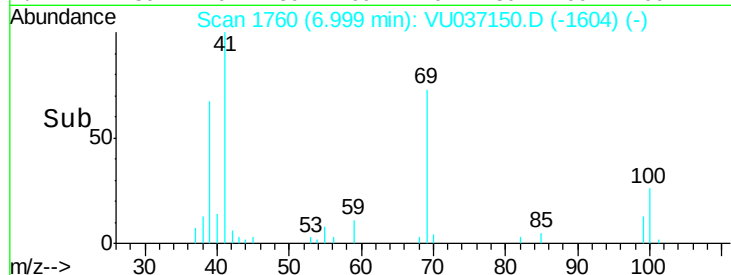
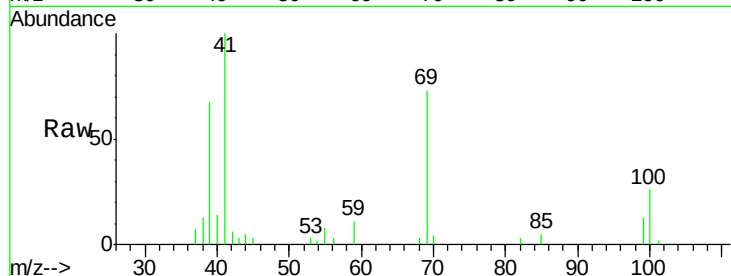
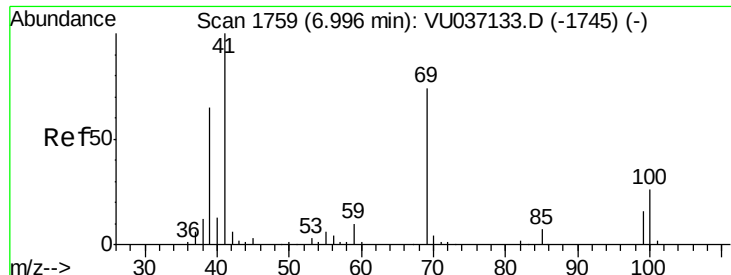
sam
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#46
 t-1,4-Dichloro-2-butene
 Concen: 3.899 ug/l m
 RT: 10.86 min Scan# 2960
 Delta R.T. 0.00 min
 Lab File: VU037150.D
 Acq: 10 Mar 2020 13:41

Tgt Ion	Ratio	Lower	Upper
75	100		
53	111.0	52.2	78.2#
89	57.1	39.8	59.6
88	51.2	27.4	41.2#





#47

Methyl methacrylate

Concen: 3.855 ug/l

RT: 7.00 min Scan# 1760

Delta R.T. 0.00 min

Lab File: VU037150.D

Acq: 10 Mar 2020 13:41

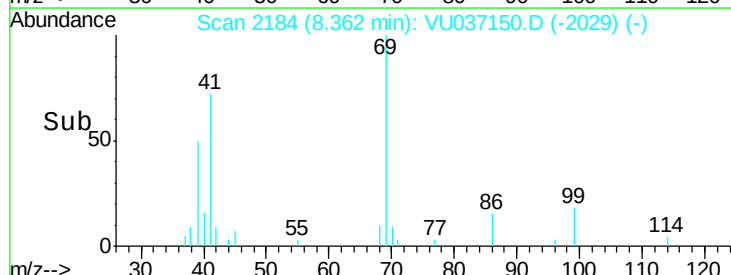
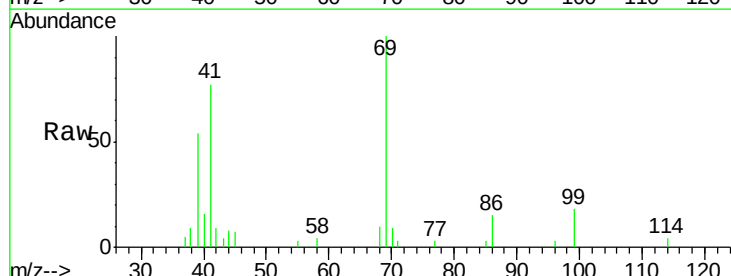
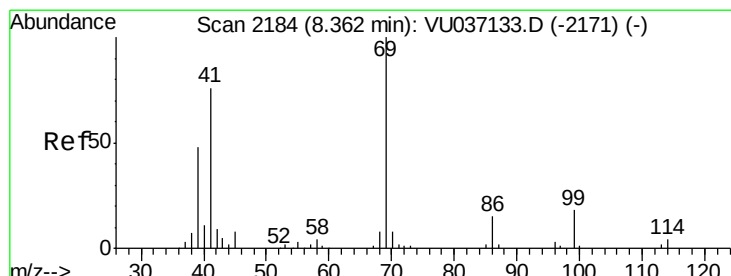
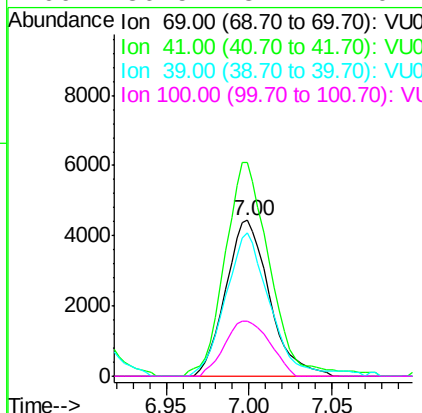
Tot Ion	Ratio	Lower	Upper
69	100		
41	141.2	0.0	200.8
39	91.8	43.5	65.3
100	36.5	31.1	46.7

Instrument : MSVOA_U

ClientSampleId : VU0310WBSD01

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#48

Ethyl methacrylate

Concen: 1.739 ug/l

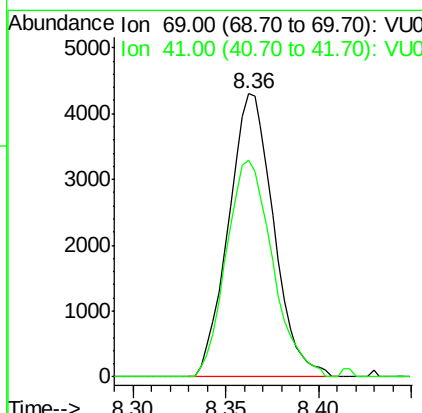
RT: 8.36 min Scan# 2184

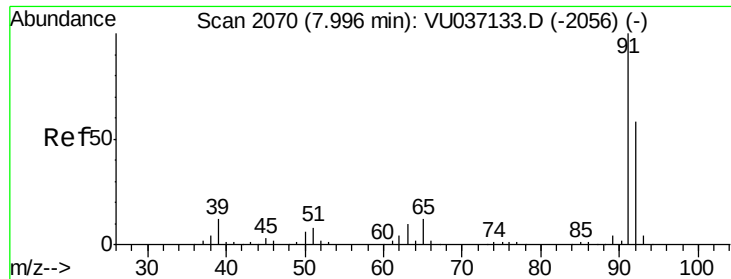
Delta R.T. -0.00 min

Lab File: VU037150.D

Acq: 10 Mar 2020 13:41

Tgt Ion	Ratio	Lower	Upper
69	100		
41	78.6	27.9	83.6





#49

Toluene

Concen: 1.907 ug/l

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU037150.D

Acq: 10 Mar 2020 13:41

Instrument :

MSVOA_U

ClientSampleId :

VU0310WBSD01

Tot Ion: 92 Resp: 20906

Ion Ratio Lower Upper

92 100

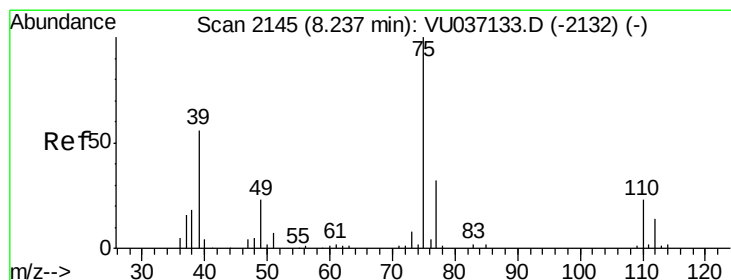
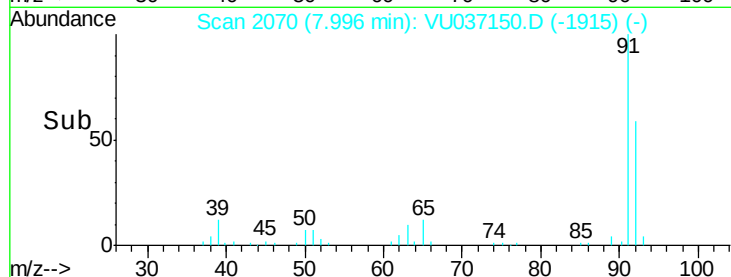
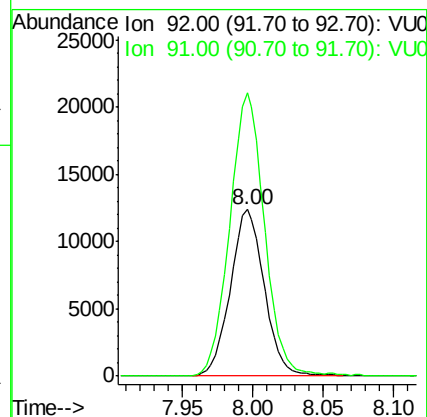
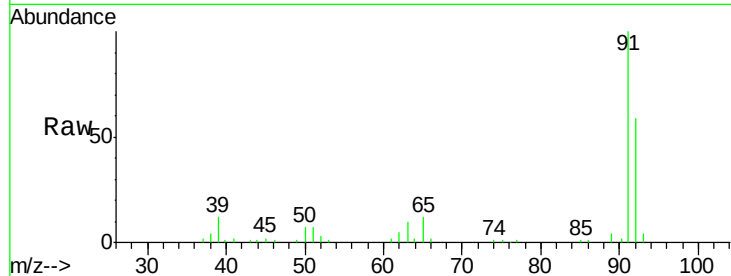
91 173.1 139.1 208.7

Manual Integrations

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#50

t-1,3-Dichloropropene

Concen: 1.855 ug/l

RT: 8.24 min Scan# 2145

Delta R.T. -0.00 min

Lab File: VU037150.D

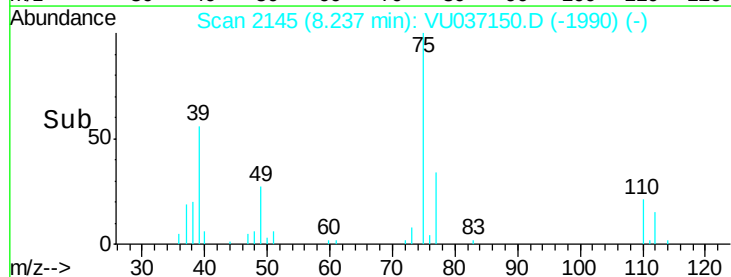
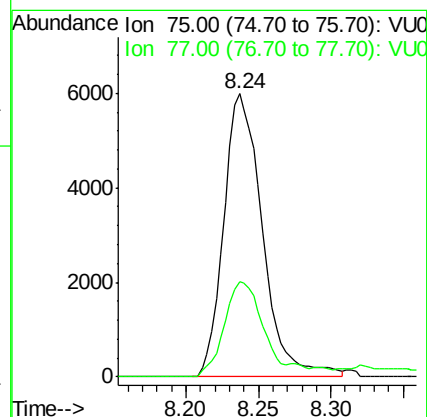
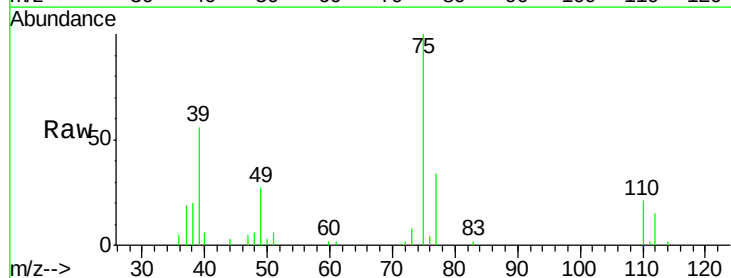
Acq: 10 Mar 2020 13:41

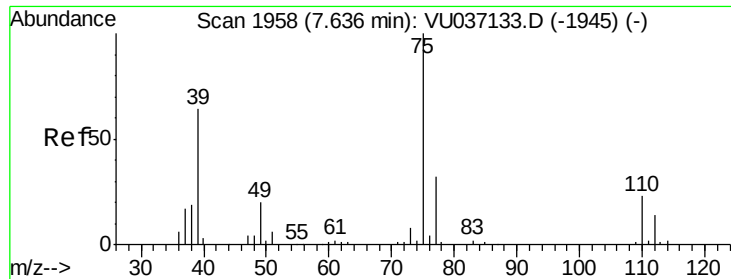
Tgt Ion: 75 Resp: 11111

Ion Ratio Lower Upper

75 100

77 33.8 25.4 38.2





#51

cis-1,3-Dichloropropene

Concen: 1.874 ug/l

RT: 7.64 min Scan# 1959

Delta R.T. 0.00 min

Lab File: VU037150.D

Acq: 10 Mar 2020 13:41

Instrument :

MSVOA_U

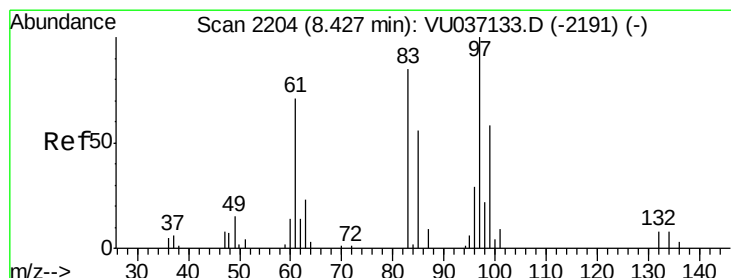
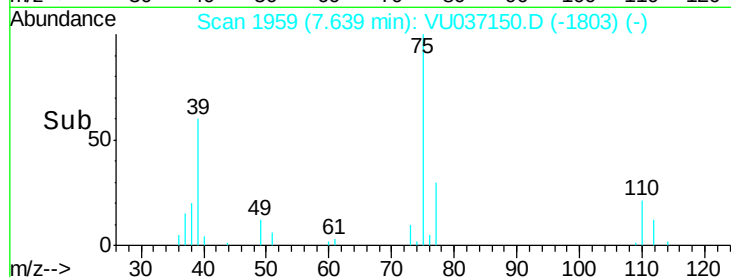
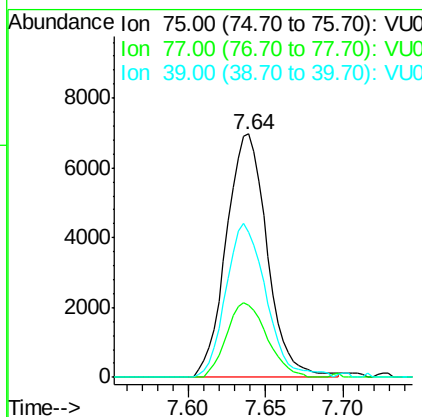
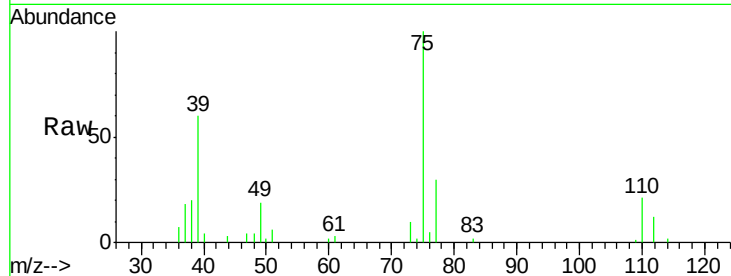
ClientSampleId :

VU0310WBSD01

Tot Ion:	75	Resp:	12821
Ion Ratio	Lower	Upper	
75	100		
77	29.7	25.3	37.9
39	59.7	31.8	47.6#

Manual Integrations
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#52

1,1,2-Trichloroethane

Concen: 2.055 ug/l

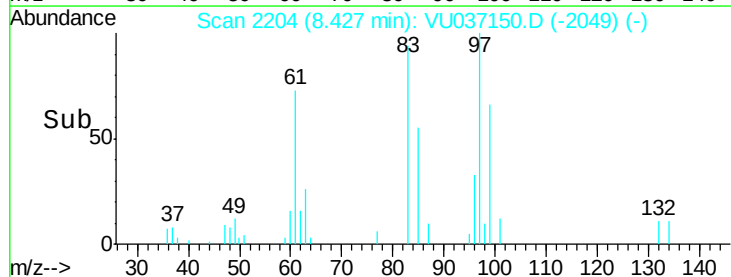
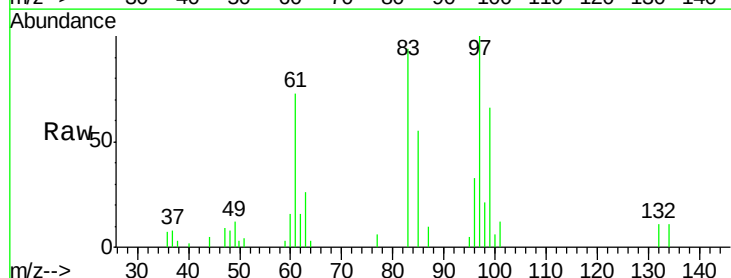
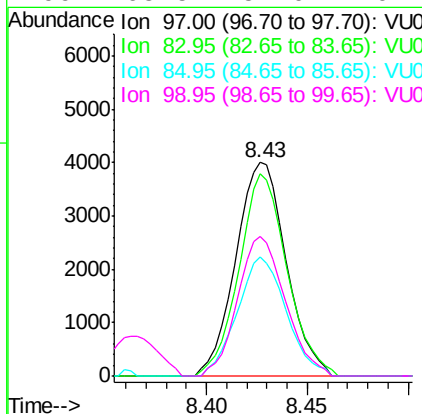
RT: 8.43 min Scan# 2204

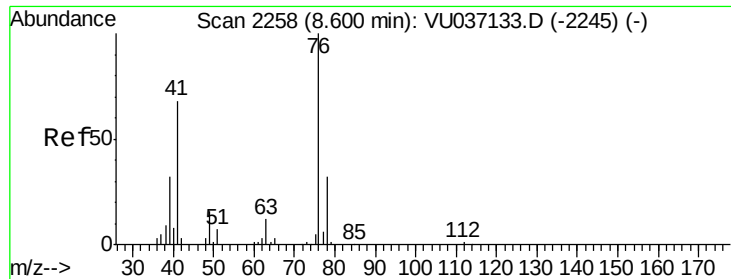
Delta R.T. -0.00 min

Lab File: VU037150.D

Acq: 10 Mar 2020 13:41

Tgt Ion:	97	Resp:	7003
Ion Ratio	Lower	Upper	
97	100		
83	94.5	70.9	106.3
85	55.5	45.6	68.4
99	65.5	51.0	76.4





#53

1,3-Dichloropropane

Concen: 1.919 ug/l

RT: 8.60 min Scan# 2259

Delta R.T. 0.00 min

Lab File: VU037150.D

Acq: 10 Mar 2020 13:41

Instrument :

MSVOA_U

ClientSampleId :

VU0310WBSD01

Tot Ion: 76 Resp: 11595

Ion Ratio Lower Upper

76 100

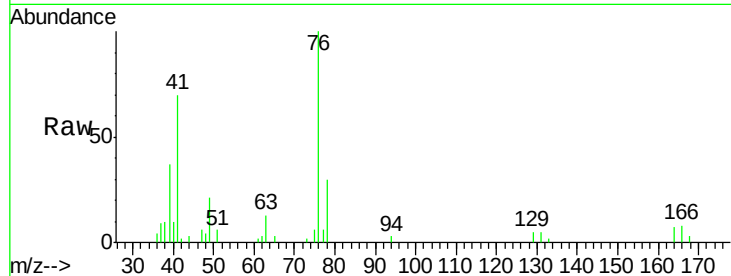
78 29.9 25.4 38.2

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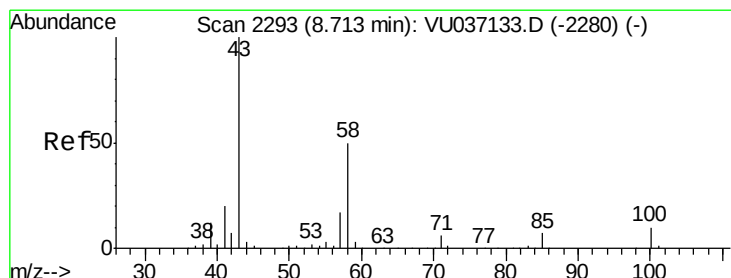
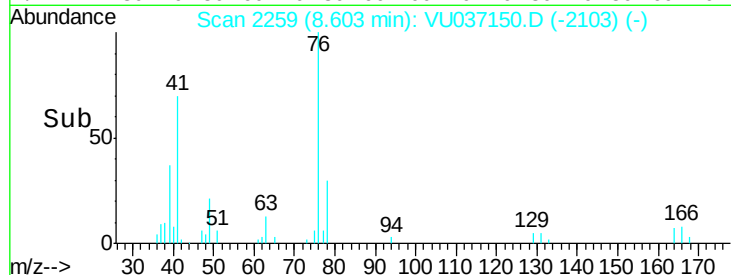
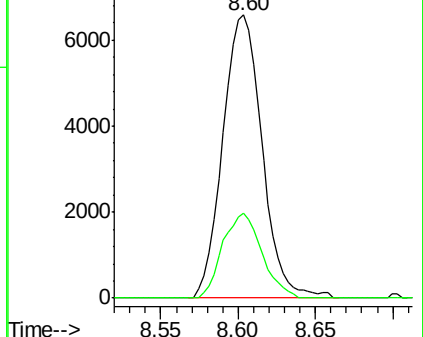
sam

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Abundance Ion 76.00 (75.70 to 76.70): VU037150.D (-2103) (-)

Ion 78.00 (77.70 to 78.70): VU037150.D (-2103) (-)



#54

2-Hexanone

Concen: 9.287 ug/l

RT: 8.72 min Scan# 2295

Delta R.T. 0.01 min

Lab File: VU037150.D

Acq: 10 Mar 2020 13:41

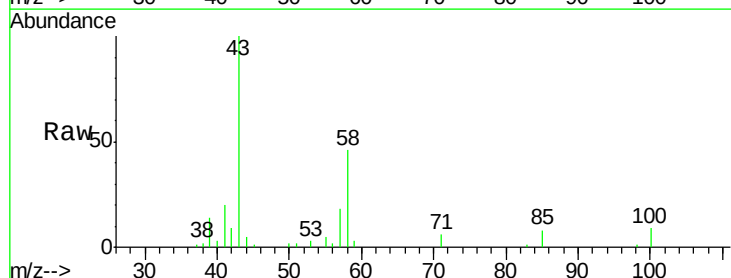
Tgt Ion: 43 Resp: 21912

Ion Ratio Lower Upper

43 100

58 46.6 40.6 80.6

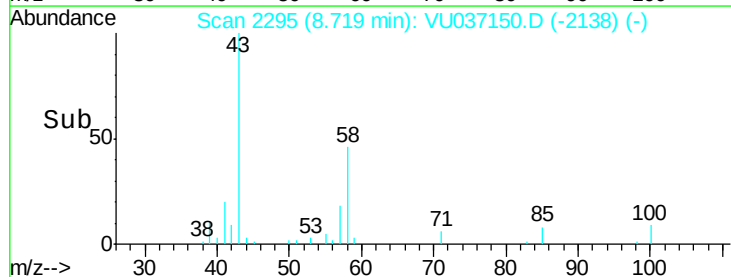
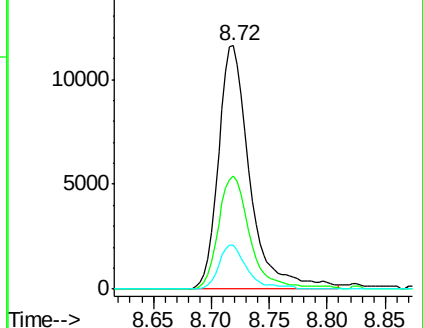
57 16.4 1.2 41.2

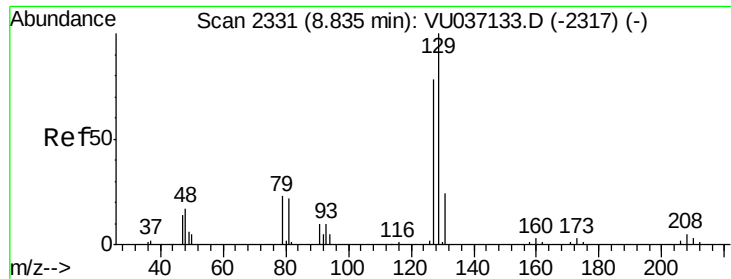


Abundance Ion 43.00 (42.70 to 43.70): VU037150.D (-2138) (-)

Ion 58.00 (57.70 to 58.70): VU037150.D (-2138) (-)

Ion 57.00 (56.70 to 57.70): VU037150.D (-2138) (-)





#55

Dibromochloromethane

Concen: 2.014 ug/l

RT: 8.83 min Scan# 2331

Delta R.T. -0.00 min

Lab File: VU037150.D

Acq: 10 Mar 2020 13:41

Instrument :

MSVOA_U

ClientSampleId :

VU0310WBSD01

Tot Ion:129 Resp: 8493

Ion Ratio Lower Upper

129 100

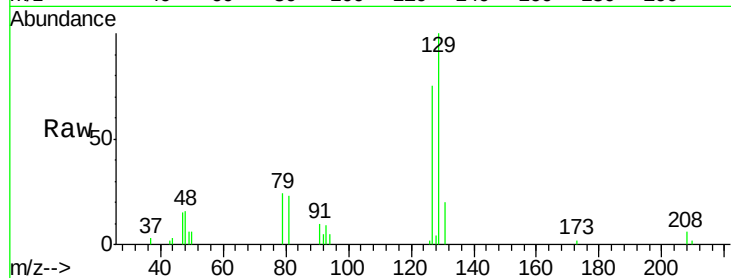
127 74.4 62.6 94.0

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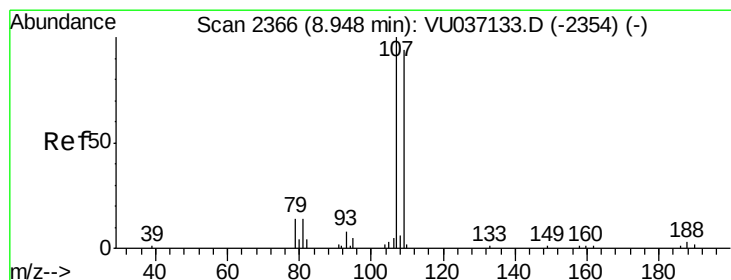
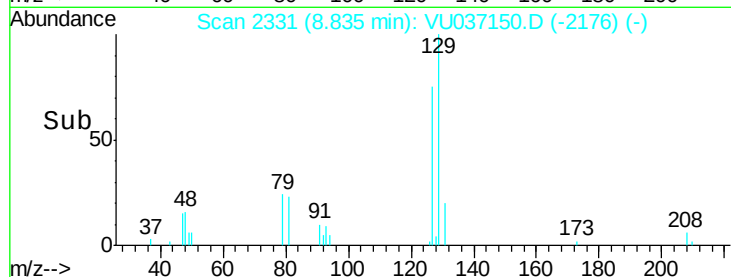
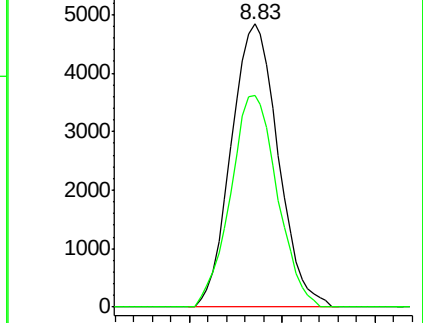
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 2.015 ug/l

RT: 8.95 min Scan# 2368

Delta R.T. 0.01 min

Lab File: VU037150.D

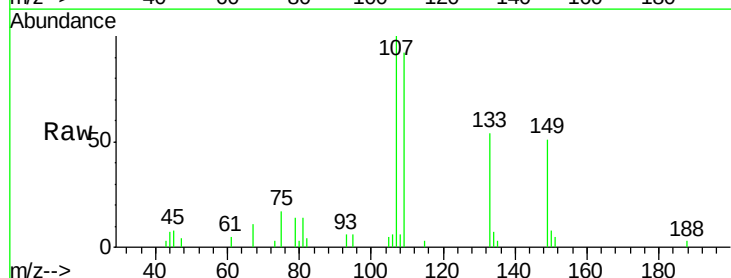
Acq: 10 Mar 2020 13:41

Tgt Ion:107 Resp: 6502

Ion Ratio Lower Upper

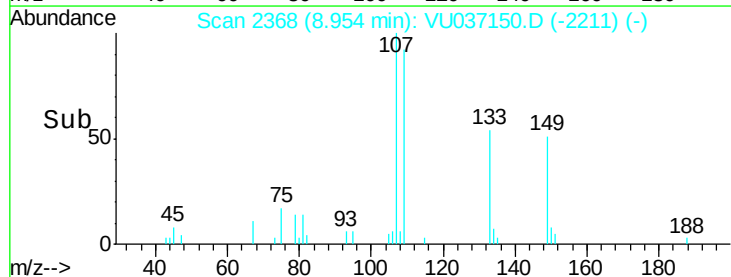
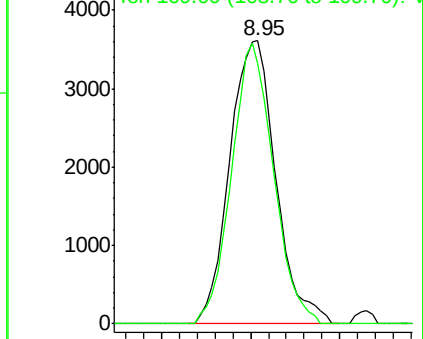
107 100

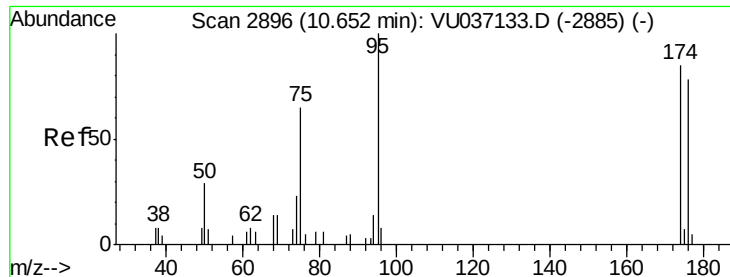
109 90.2 0.0 190.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





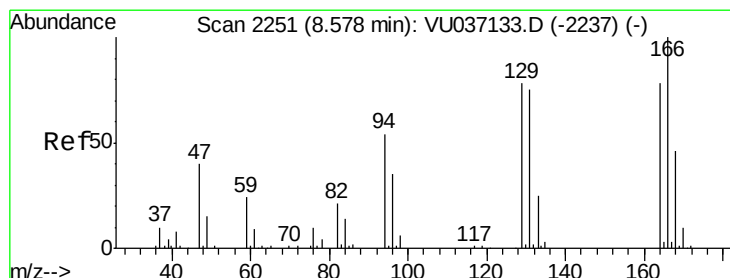
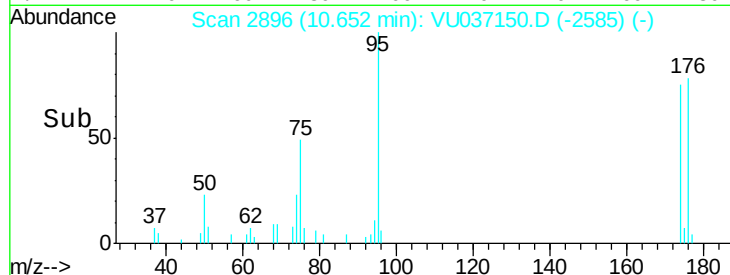
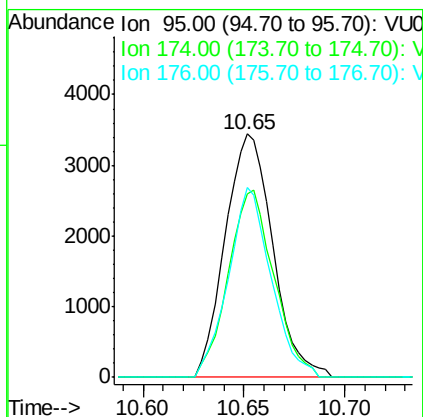
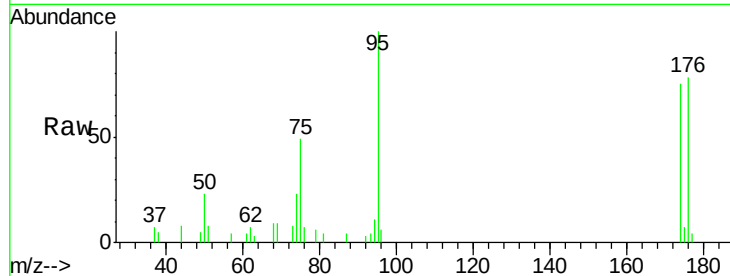
#57
4-Bromofluorobenzene
Concen: 0.975 ug/l
RT: 10.65 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VU037150.D
Acq: 10 Mar 2020 13:41

Instrument :
MSVOA_U
ClientSampleId :
VU0310WBSD01

Tot Ion	Ratio	Lower	Upper
95	100		
174	73.8	64.7	97.1
176	70.2	60.6	91.0

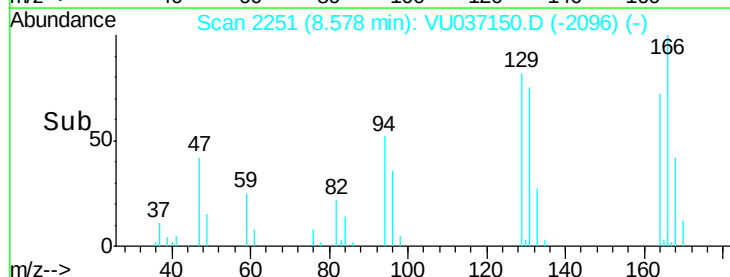
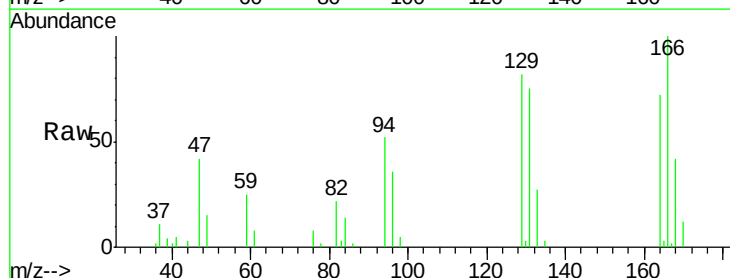
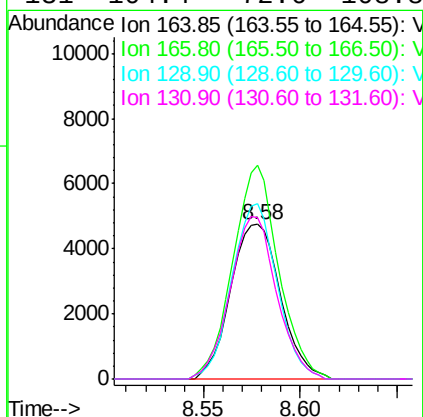
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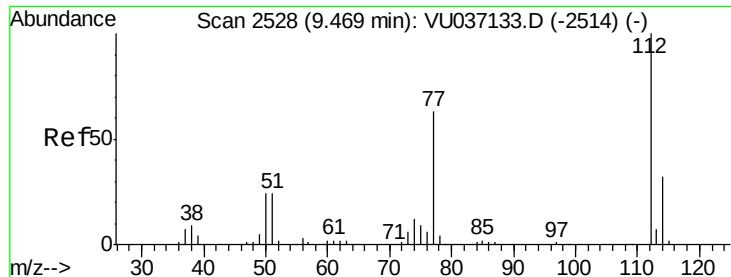
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#58
Tetrachloroethene
Concen: 1.906 ug/l
RT: 8.58 min Scan# 2251
Delta R.T. -0.00 min
Lab File: VU037150.D
Acq: 10 Mar 2020 13:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	138.2	102.0	153.0
129	113.5	74.9	112.3
131	104.4	72.6	108.8





#59

Chlorobenzene

Concen: 1.877 ug/l

RT: 9.47 min Scan# 2528

Delta R.T. -0.00 min

Lab File: VU037150.D

Acq: 10 Mar 2020 13:41

Instrument :

MSVOA_U

ClientSampleId :

VU0310WBSD01

Tot Ion:112 Resp: 22966

Ion Ratio Lower Upper

112 100

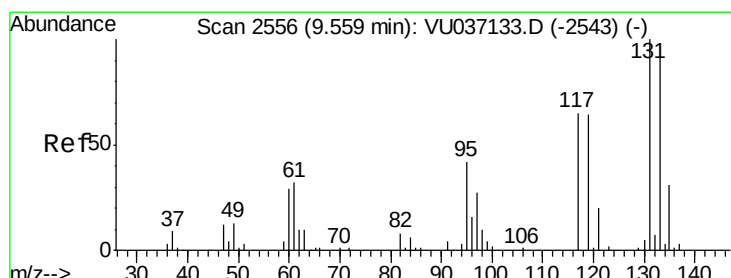
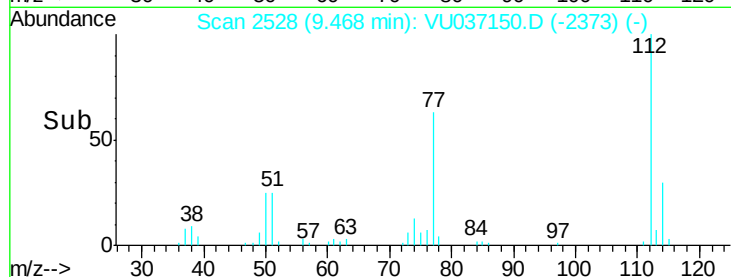
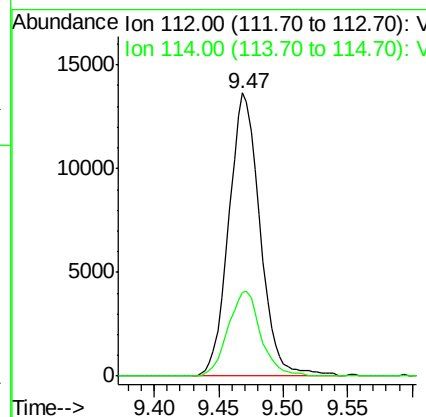
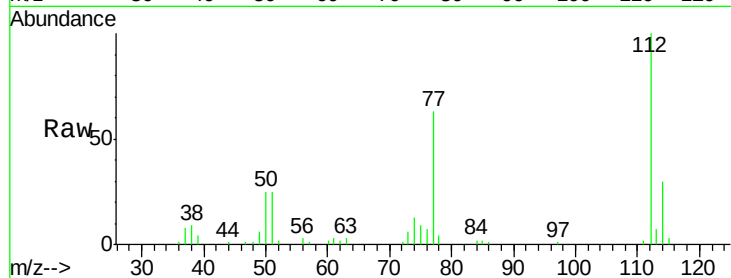
114 29.5 25.8 38.8

Manual Integrations

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#60

1,1,1,2-Tetrachloroethane

Concen: 2.005 ug/l

RT: 9.56 min Scan# 2555

Delta R.T. -0.00 min

Lab File: VU037150.D

Acq: 10 Mar 2020 13:41

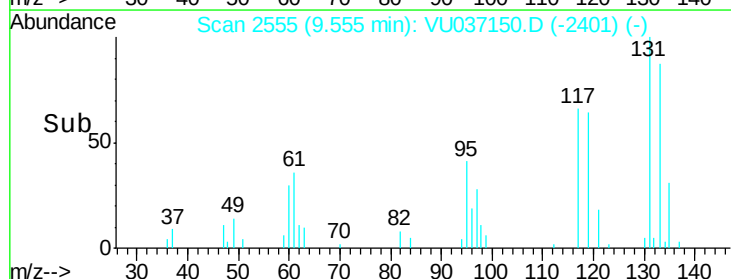
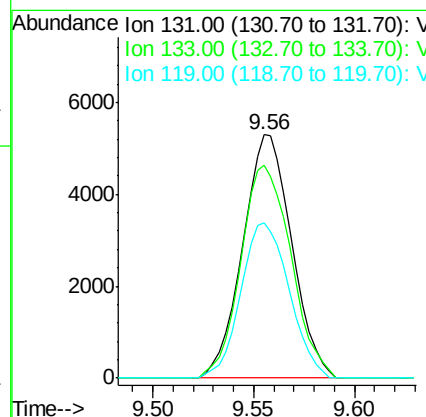
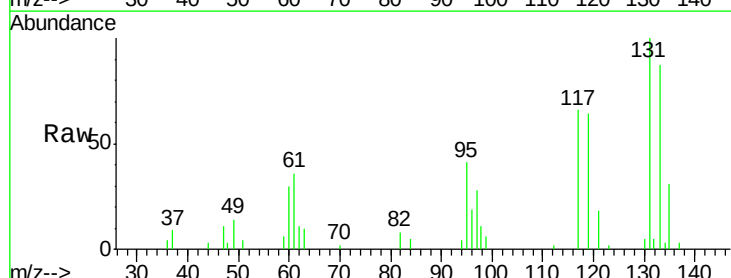
Tgt Ion:131 Resp: 8978

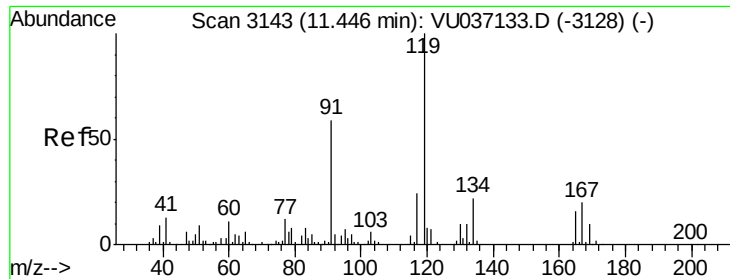
Ion Ratio Lower Upper

131 100

133 89.8 76.4 114.6

119 63.1 56.6 85.0





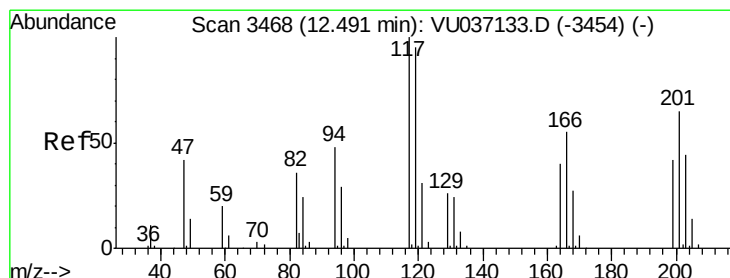
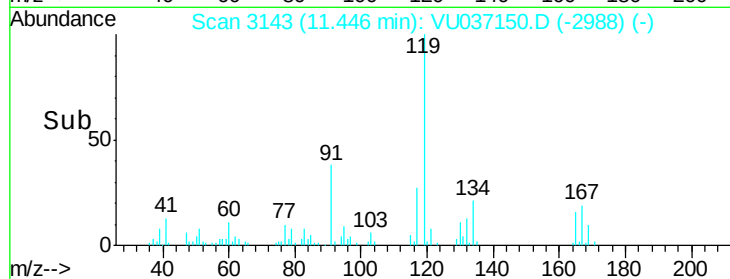
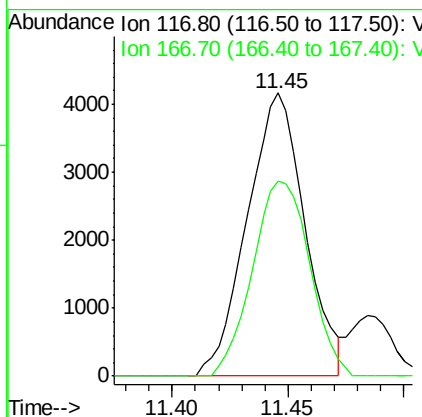
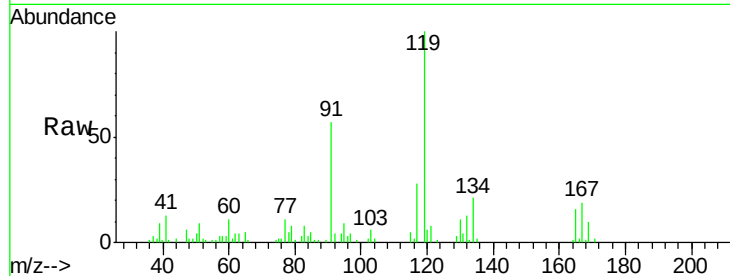
#61
 Pentachloroethane
 Concen: 2.108 ug/l
 RT: 11.45 min Scan# 3143
 Delta R.T. -0.00 min
 Lab File: VU037150.D
 Acq: 10 Mar 2020 13:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0310WBSD01

Tot Ion:117 Resp: 7203
 Ion Ratio Lower Upper
 117 100
 167 68.4 66.7 100.1

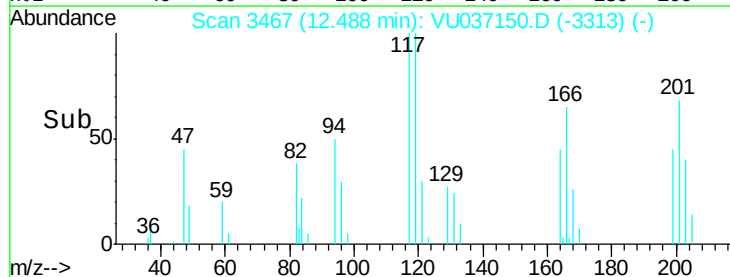
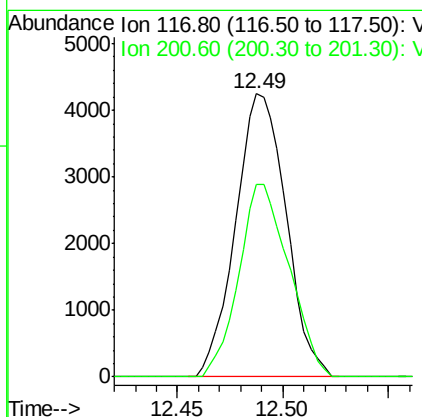
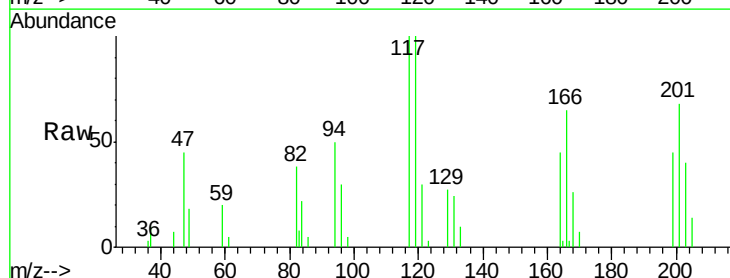
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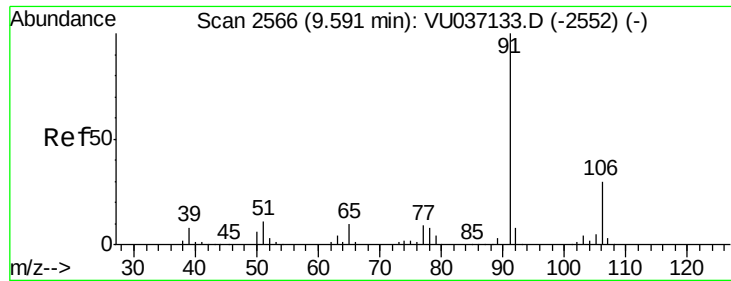
sam
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#62
 Hexachloroethane
 Concen: 1.930 ug/l
 RT: 12.49 min Scan# 3467
 Delta R.T. -0.00 min
 Lab File: VU037150.D
 Acq: 10 Mar 2020 13:41

Tgt Ion:117 Resp: 7058
 Ion Ratio Lower Upper
 117 100
 201 67.5 65.0 97.4





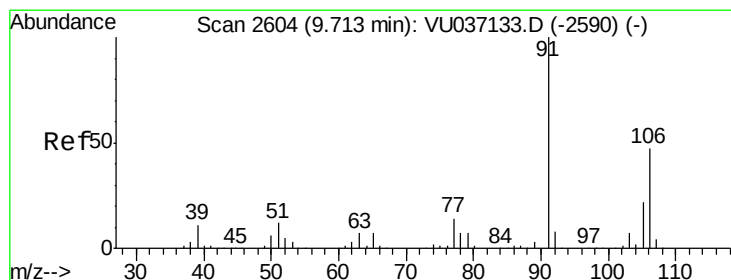
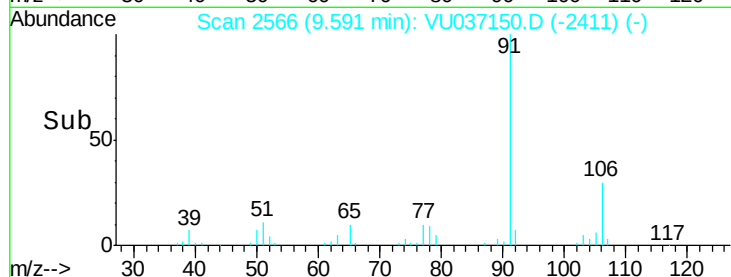
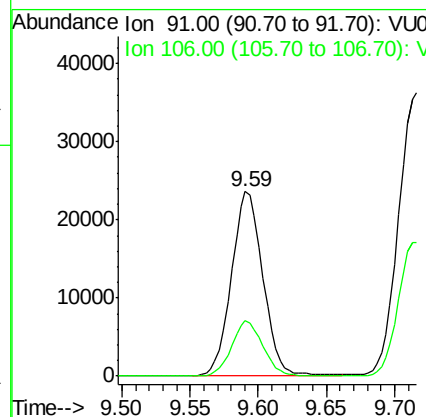
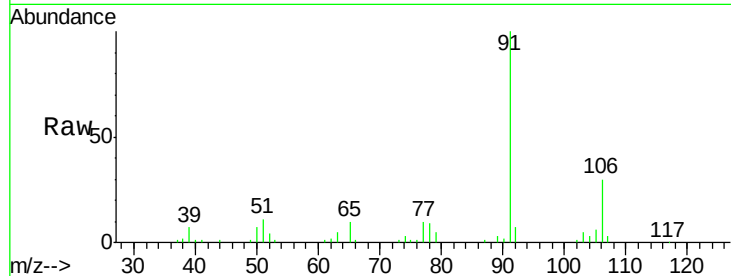
#63
Ethyl Benzene
Concen: 1.820 ug/l
RT: 9.59 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VU037150.D
Acq: 10 Mar 2020 13:41

Instrument :
MSVOA_U
ClientSampleId :
VU0310WBSD01

Tot Ion: 91 Resp: 38001
Ion Ratio Lower Upper
91 100
106 29.8 26.0 39.0

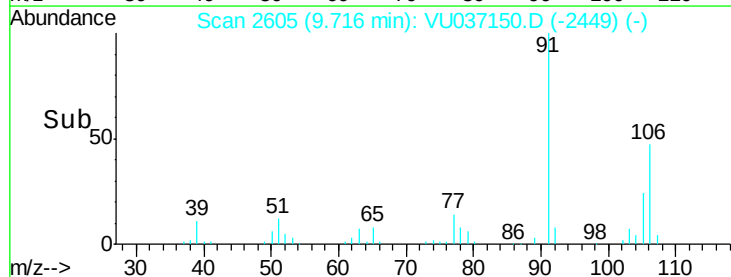
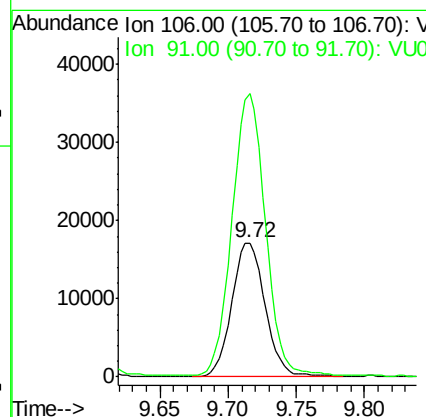
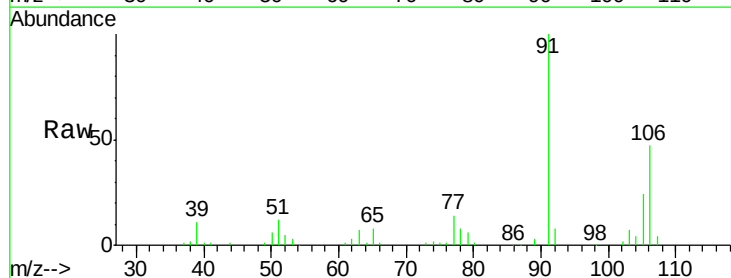
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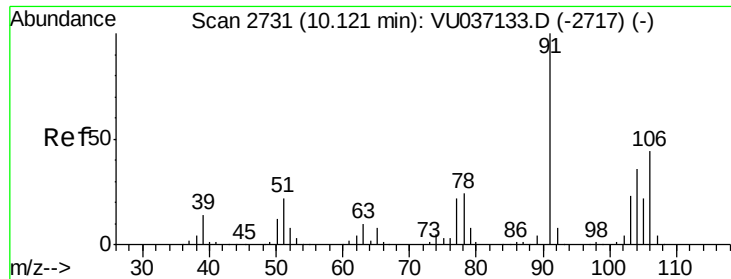
sam
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#64
m/p-Xylenes
Concen: 3.705 ug/l
RT: 9.72 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VU037150.D
Acq: 10 Mar 2020 13:41

Tgt Ion: 106 Resp: 29294
Ion Ratio Lower Upper
106 100
91 209.6 158.2 237.4





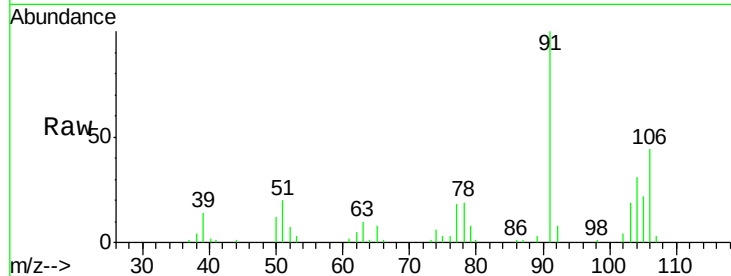
#65
o-Xylene
Concen: 1.882 ug/l
RT: 10.12 min Scan# 2731
Delta R.T. -0.00 min
Lab File: VU037150.D
Acq: 10 Mar 2020 13:41

Instrument :
MSVOA_U
ClientSampleId :
VU0310WBSD01

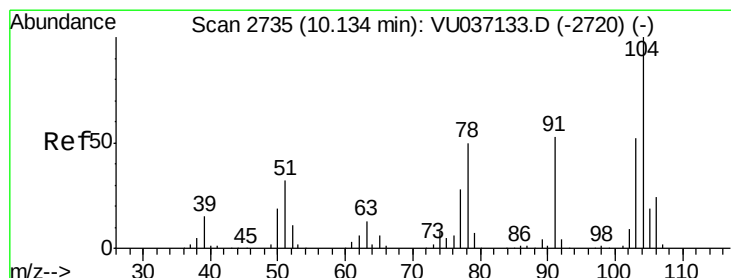
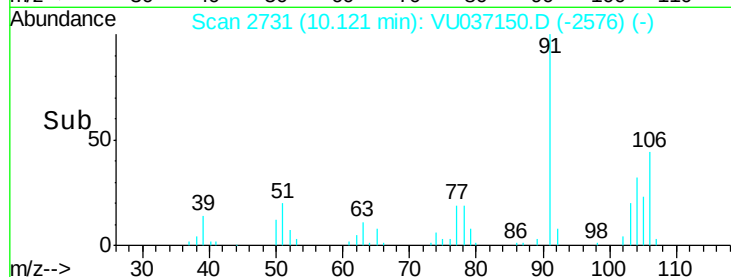
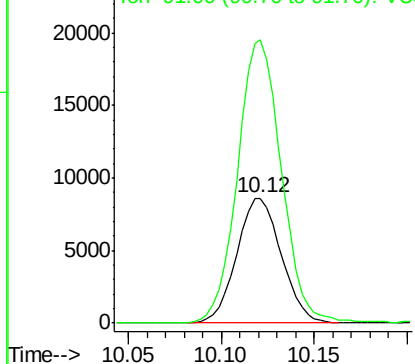
Tot Ion:106 Resp: 14353
Ion Ratio Lower Upper
106 100
91 223.0 104.3 312.9

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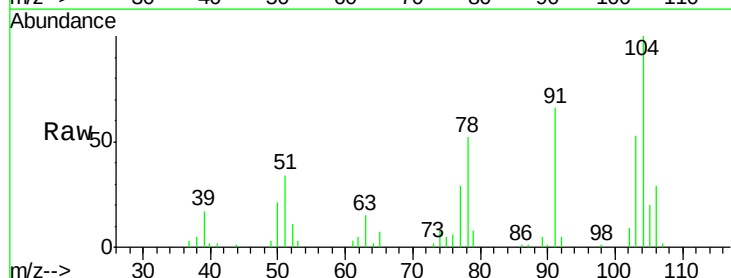


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

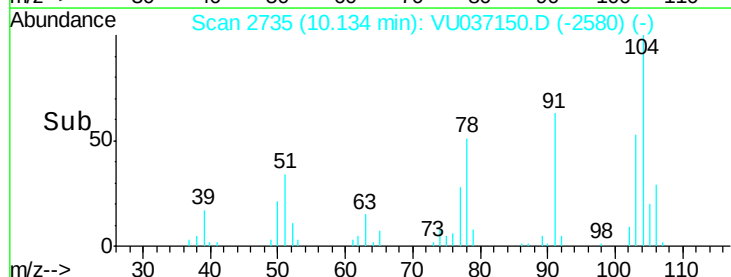
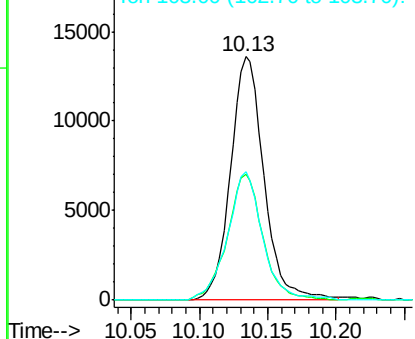


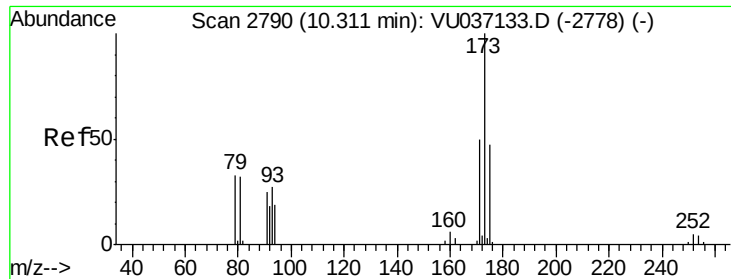
#66
Styrene
Concen: 1.856 ug/l
RT: 10.13 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VU037150.D
Acq: 10 Mar 2020 13:41

Tgt Ion:104 Resp: 23174
Ion Ratio Lower Upper
104 100
78 55.0 38.6 57.8
103 55.4 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





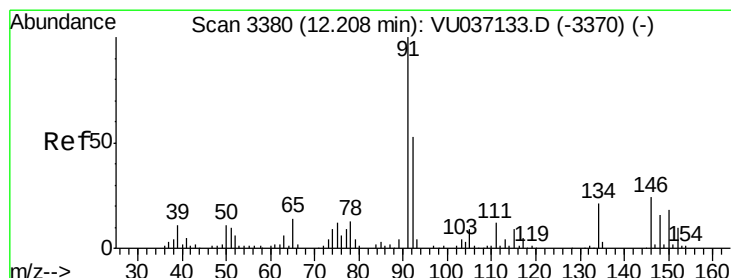
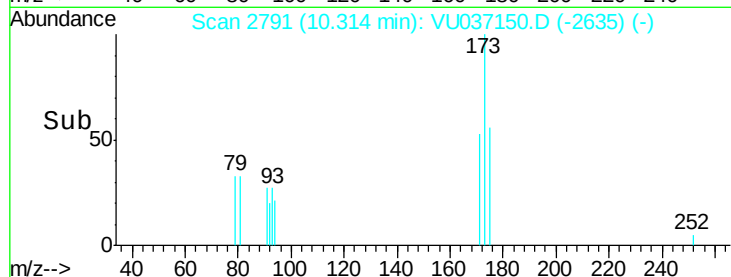
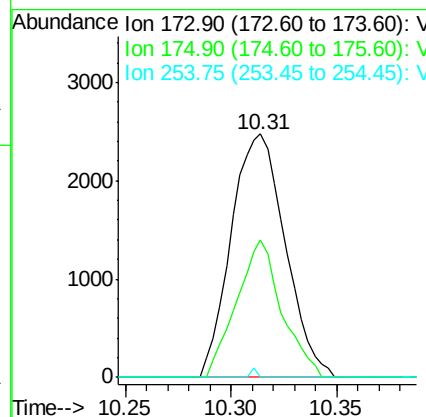
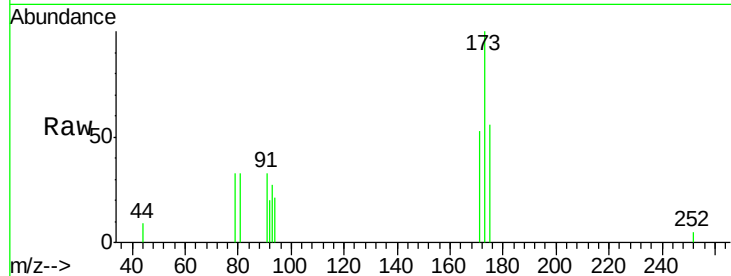
#67
Bromoform
Concen: 1.979 ug/l
RT: 10.31 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VU037150.D
Acq: 10 Mar 2020 13:41

Instrument :
MSVOA_U
ClientSampleId :
VU0310WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.9	38.3	57.5
254	0.4	6.6	9.8#

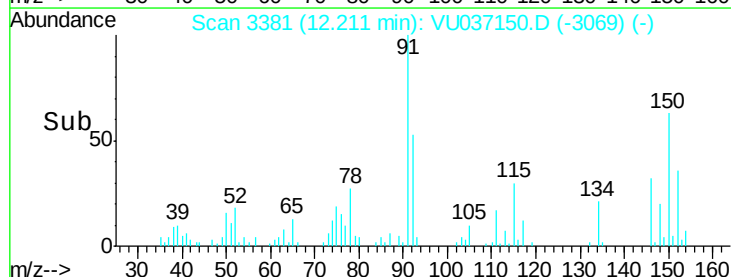
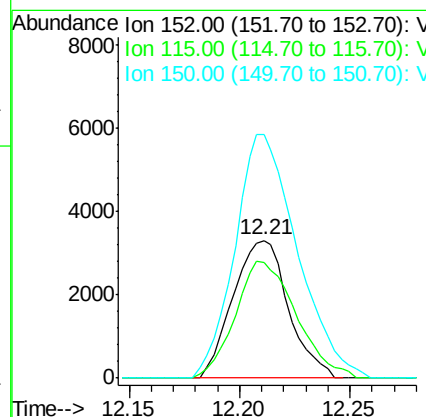
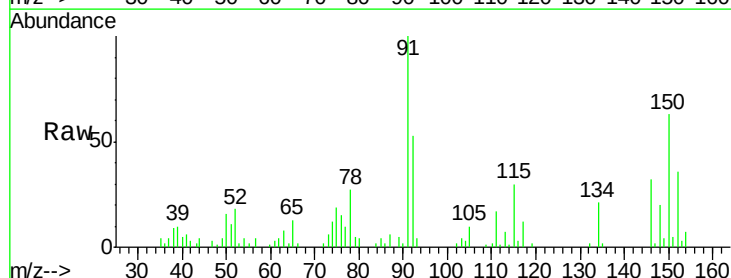
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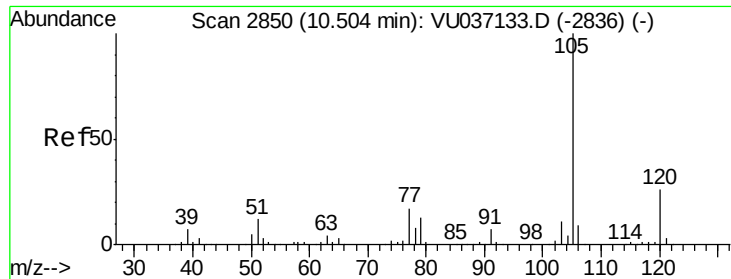
sam
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#68
1,2-Dichlorobenzene-d4
Concen: 0.969 ug/l
RT: 12.21 min Scan# 3381
Delta R.T. 0.00 min
Lab File: VU037150.D
Acq: 10 Mar 2020 13:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	93.6	0.0	241.8
150	199.8	0.0	652.4





#69

Isopropylbenzene

Concen: 1.807 ug/l

RT: 10.50 min Scan# 2850

Delta R.T. -0.00 min

Lab File: VU037150.D

Acq: 10 Mar 2020 13:41

Instrument :

MSVOA_U

ClientSampleId :

VU0310WBSD01

Tot Ion:105 Resp: 37579

Ion Ratio Lower Upper

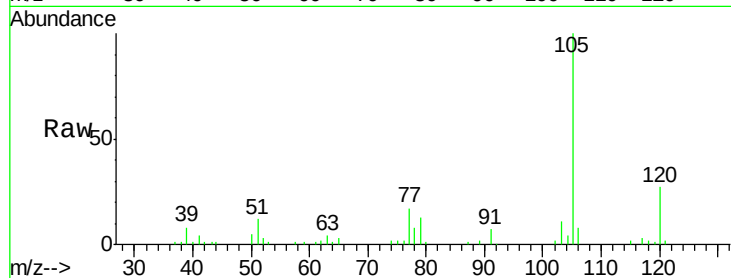
105 100

120 27.2 13.6 40.7

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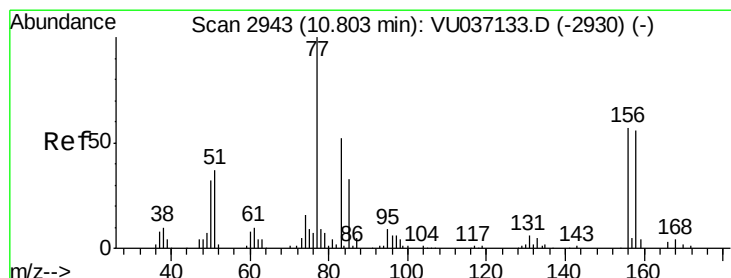
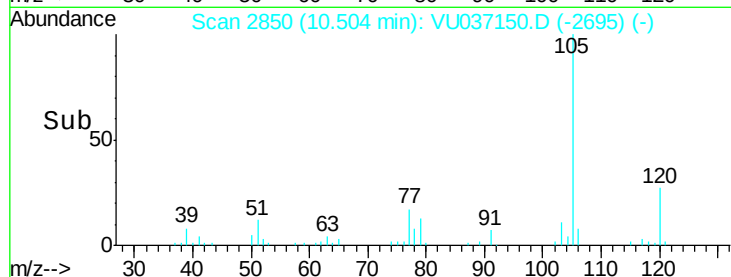
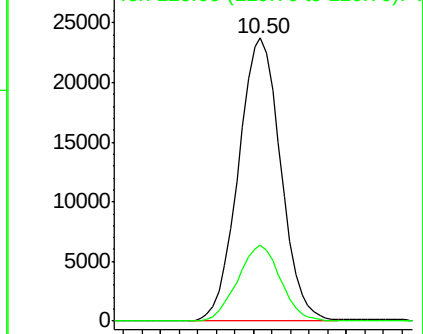
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#70

1,1,2,2-Tetrachloroethane

Concen: 2.107 ug/l

RT: 10.80 min Scan# 2943

Delta R.T. -0.00 min

Lab File: VU037150.D

Acq: 10 Mar 2020 13:41

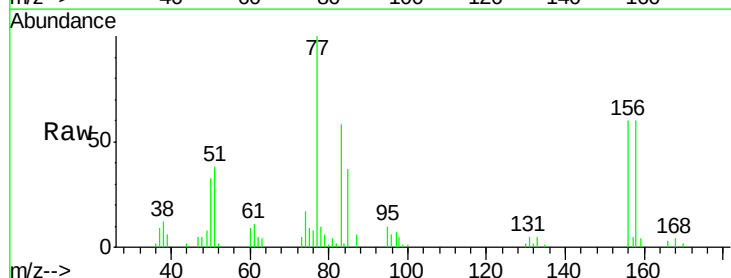
Tgt Ion: 83 Resp: 9443

Ion Ratio Lower Upper

83 100

131 8.8 7.8 11.8

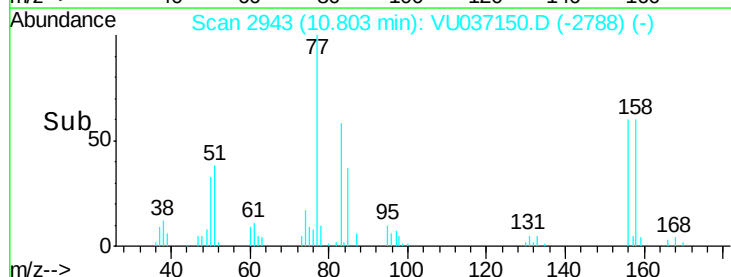
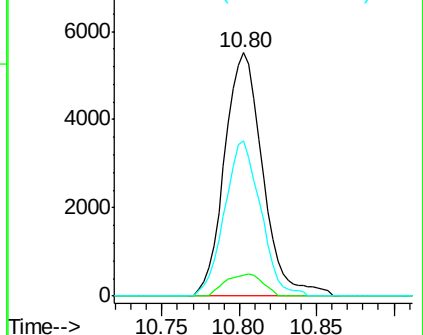
85 60.3 53.2 79.8

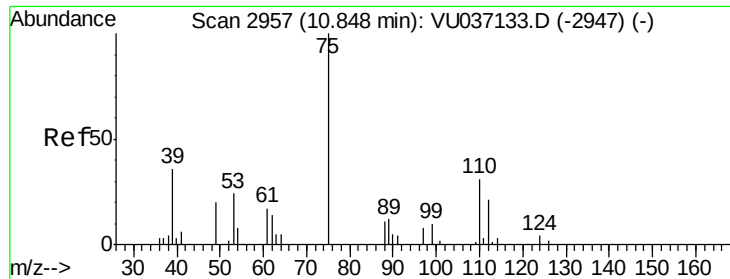


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0





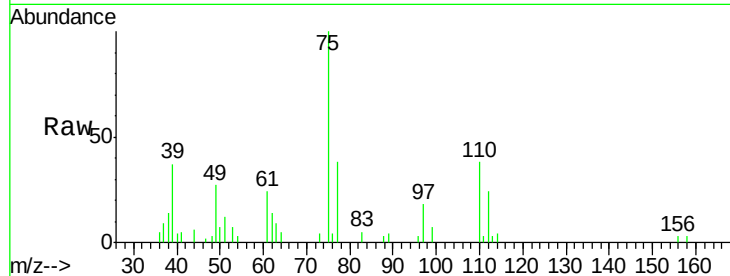
#71
 1,2,3-Trichloropropane
 Concen: 2.104 ug/l m
 RT: 10.84 min Scan# 2956
 Delta R.T. -0.00 min
 Lab File: VU037150.D
 Acq: 10 Mar 2020 13:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0310WBSD01

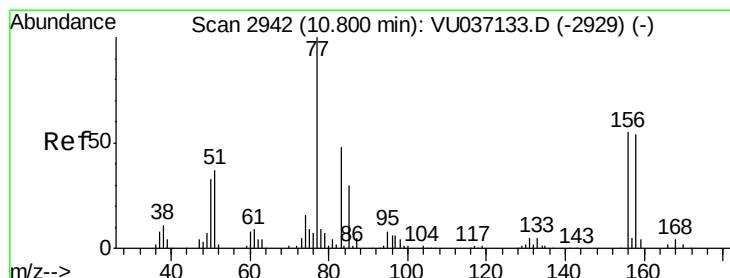
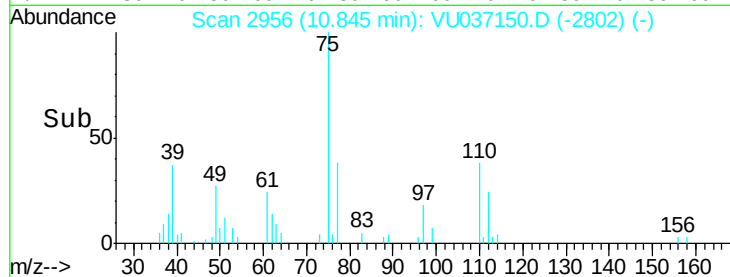
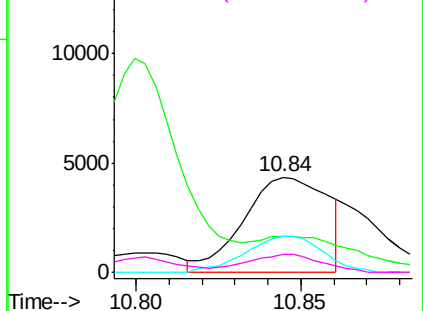
Tot Ion:	75	Resp:	7707
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	129.6
110	34.9	0.0	77.4
97	16.6	0.0	42.0

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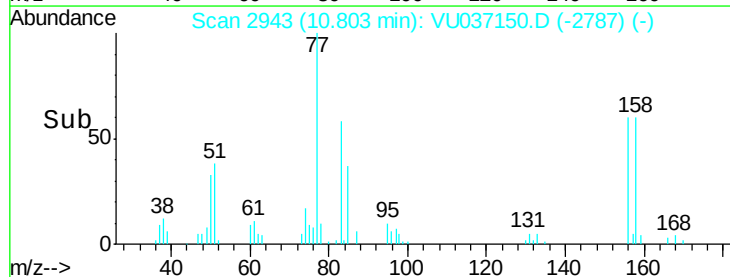
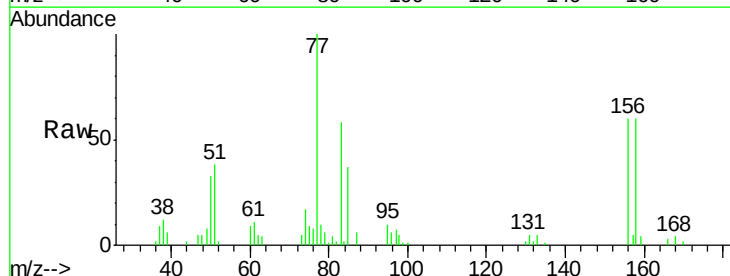
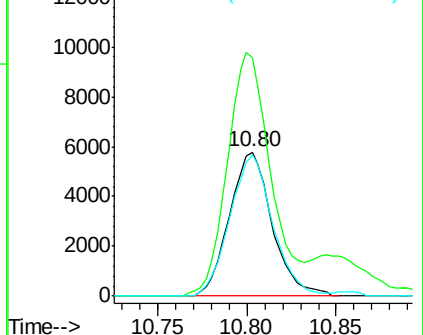
Abundance Ion 75.00 (74.70 to 75.70): VU037133.D (-2947) (-)
 Ion 77.00 (76.70 to 77.70): VU037150.D (-2802) (-)
 Ion 110.00 (109.70 to 110.70): VU037150.D (-2802) (-)
 Ion 97.00 (96.70 to 97.70): VU037150.D (-2802) (-)

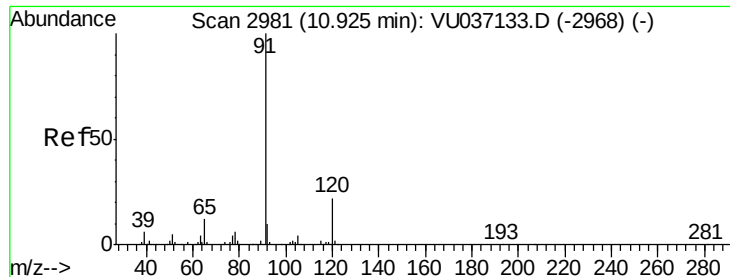


#72
 Bromobenzene
 Concen: 1.915 ug/l
 RT: 10.80 min Scan# 2943
 Delta R.T. 0.00 min
 Lab File: VU037150.D
 Acq: 10 Mar 2020 13:41

Tgt Ion:	156	Resp:	9636
Ion	Ratio	Lower	Upper
156	100		
77	171.2	0.0	306.6
158	99.0	0.0	192.0

Abundance Ion 156.00 (155.70 to 156.70): VU037133.D (-2929) (-)
 Ion 77.00 (76.70 to 77.70): VU037150.D (-2787) (-)
 Ion 158.00 (157.70 to 158.70): VU037150.D (-2787) (-)





#73

n-propylbenzene

Concen: 1.897 ug/l

RT: 10.92 min Scan# 2981

Delta R.T. -0.00 min

Lab File: VU037150.D

Acq: 10 Mar 2020 13:41

Instrument :

MSVOA_U

ClientSampleId :

VU0310WBSD01

Tot Ion:120 Resp: 10458

Ion Ratio Lower Upper

120 100

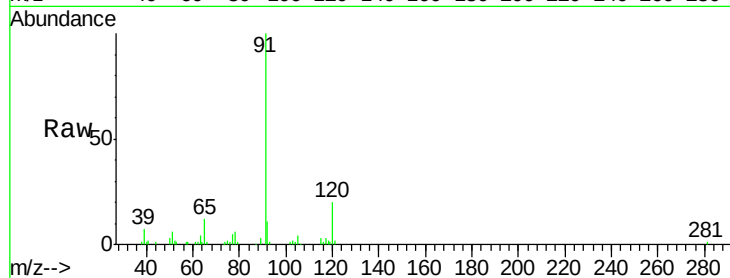
91 468.5 329.5 494.3

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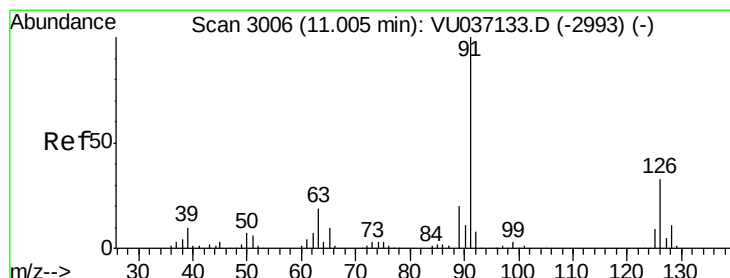
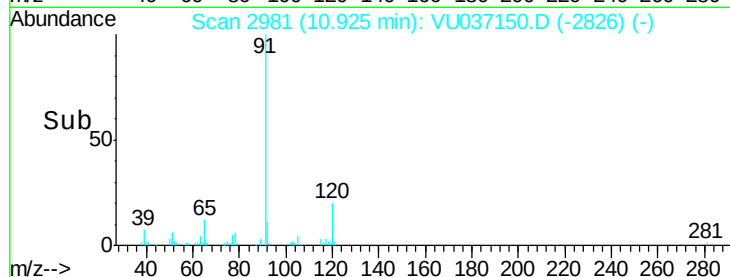
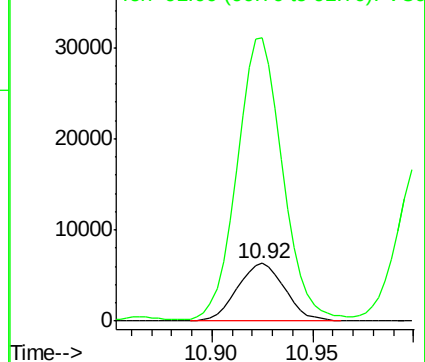
sam

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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 1.909 ug/l

RT: 11.00 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU037150.D

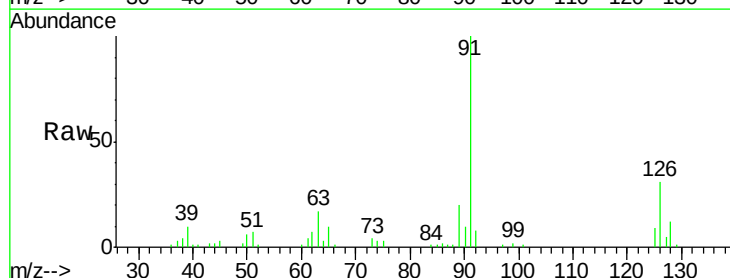
Acq: 10 Mar 2020 13:41

Tgt Ion:126 Resp: 9522

Ion Ratio Lower Upper

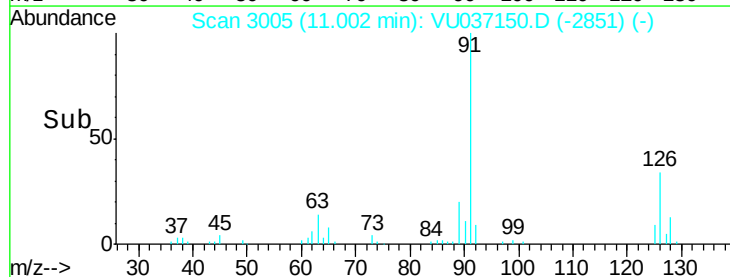
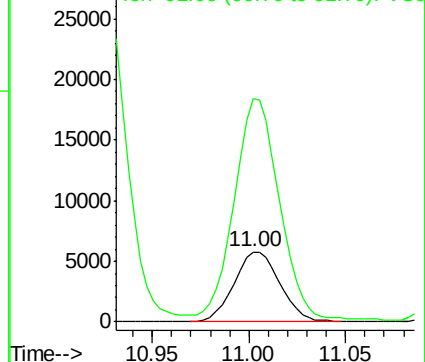
126 100

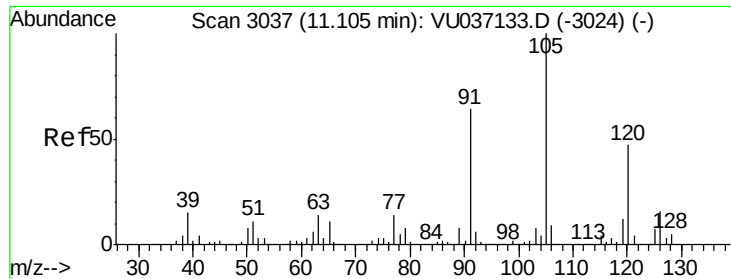
91 317.0 0.0 567.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 1.919 ug/l

RT: 11.10 min Scan# 3037

Delta R.T. -0.00 min

Lab File: VU037150.D

Acq: 10 Mar 2020 13:41

Instrument :

MSVOA_U

ClientSampleId :

VU0310WBSD01

Tot Ion:105 Resp: 34550

Ion Ratio Lower Upper

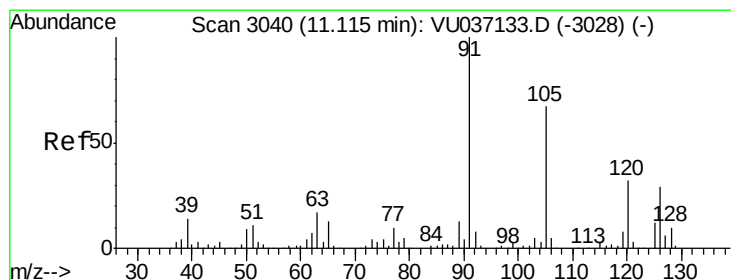
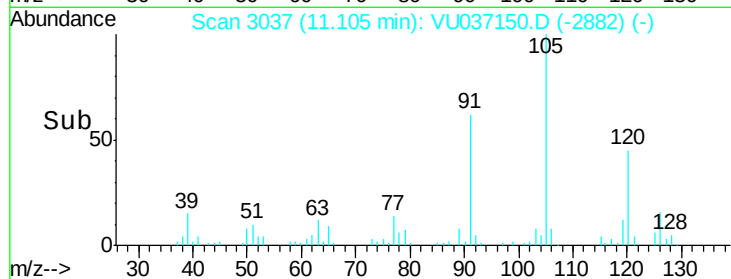
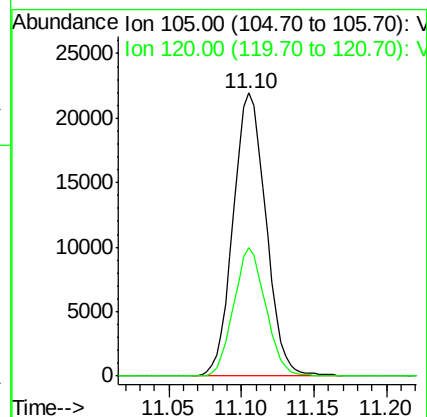
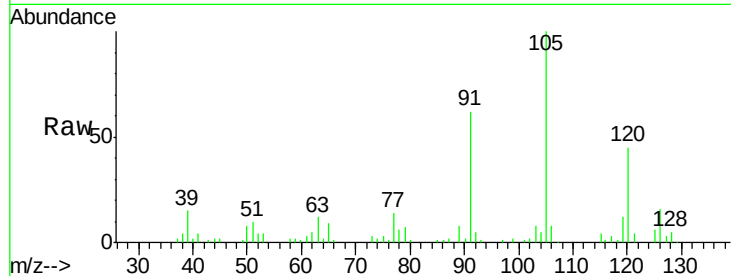
105 100

120 44.1 39.8 59.8

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#76

4-Chlorotoluene

Concen: 2.007 ug/l

RT: 11.11 min Scan# 3040

Delta R.T. -0.00 min

Lab File: VU037150.D

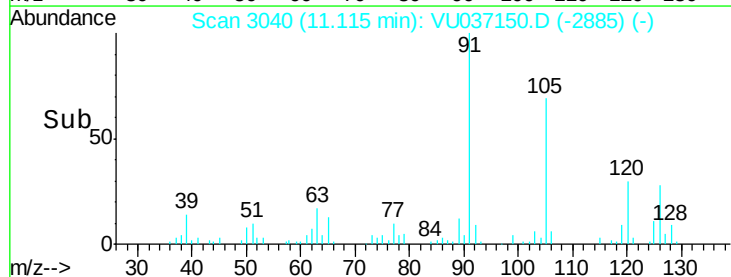
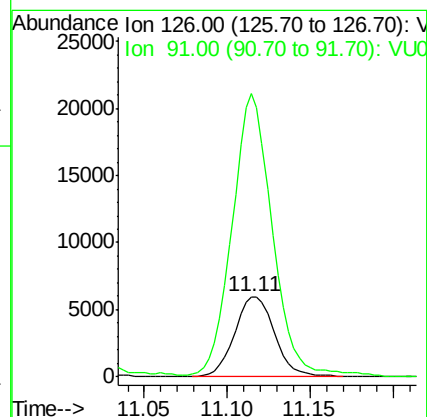
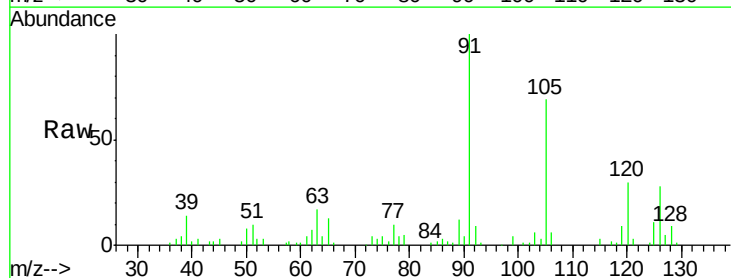
Acq: 10 Mar 2020 13:41

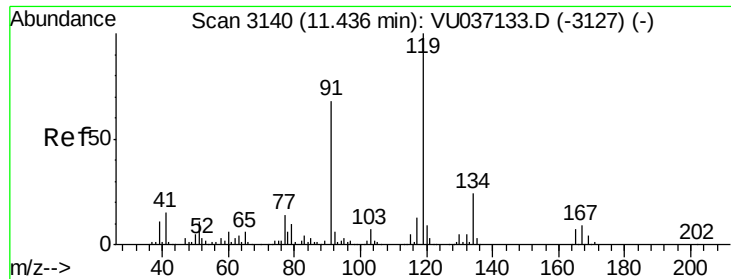
Tgt Ion:126 Resp: 10080

Ion Ratio Lower Upper

126 100

91 355.4 0.0 633.0





#77

tert-Butylbenzene

Concen: 1.861 ug/l

RT: 11.44 min Scan# 3140

Delta R.T. -0.00 min

Lab File: VU037150.D

Acq: 10 Mar 2020 13:41

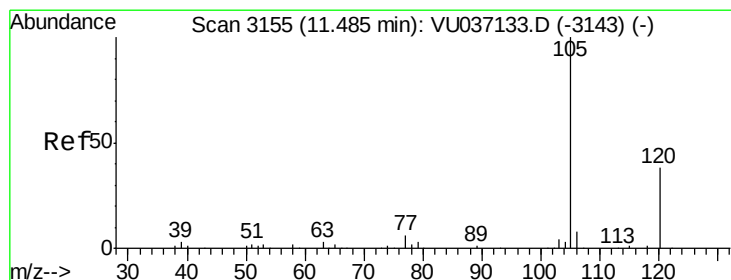
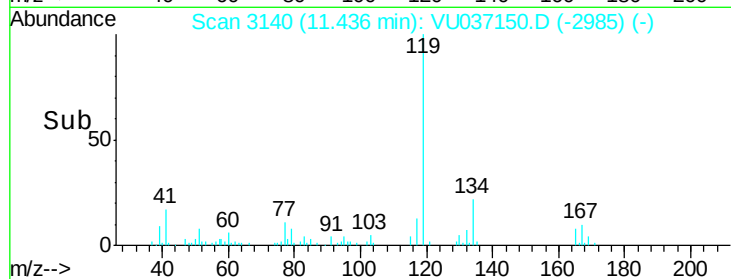
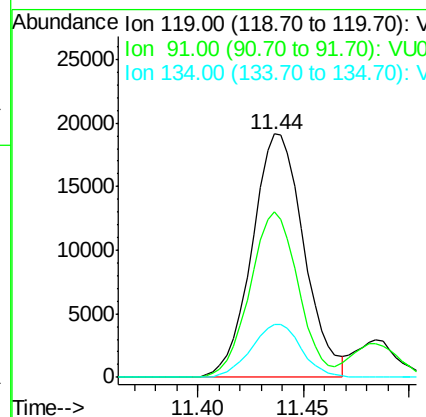
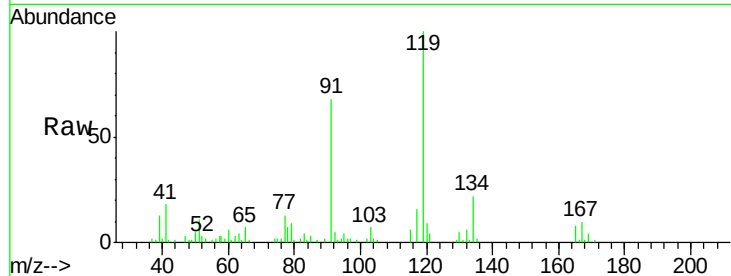
Instrument :
MSVOA_U

ClientSampleId :
VU0310WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	32654		
91	63.5	29.3	87.8	
134	21.1	19.0	28.4	

Manual Integrations
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#78

1,2,4-Trimethylbenzene

Concen: 1.856 ug/l

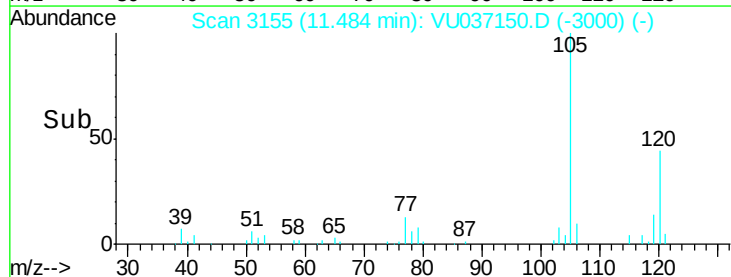
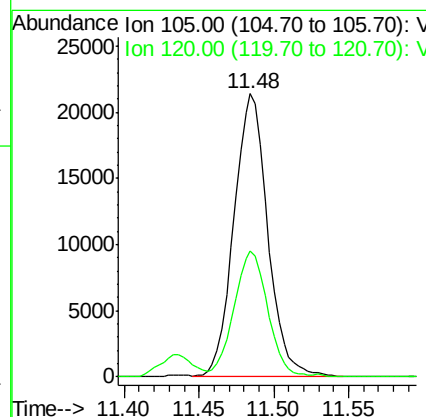
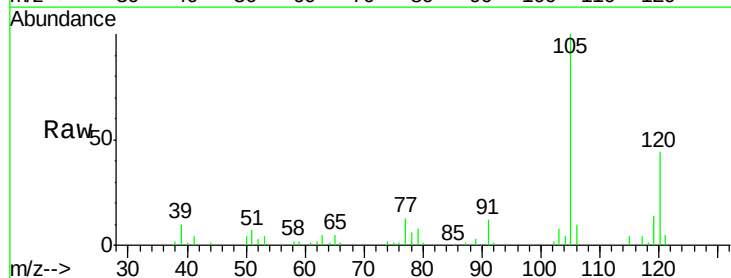
RT: 11.48 min Scan# 3155

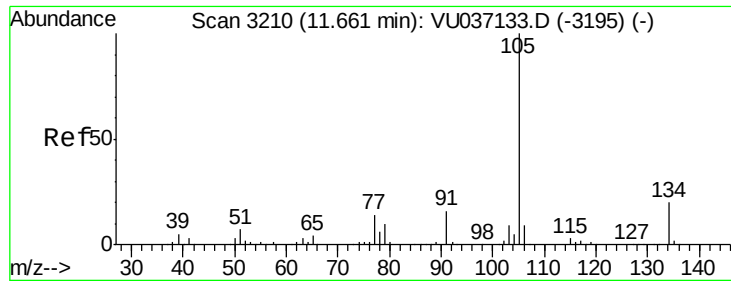
Delta R.T. -0.00 min

Lab File: VU037150.D

Acq: 10 Mar 2020 13:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	33729		
120	44.5	23.3	69.8	





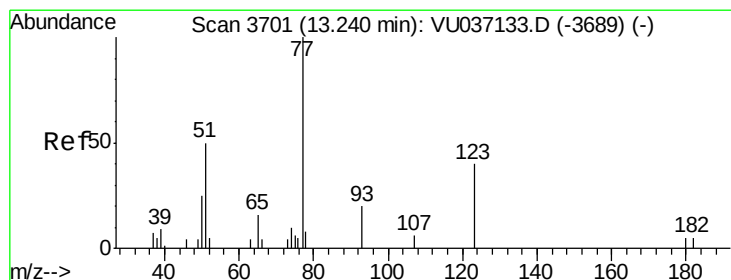
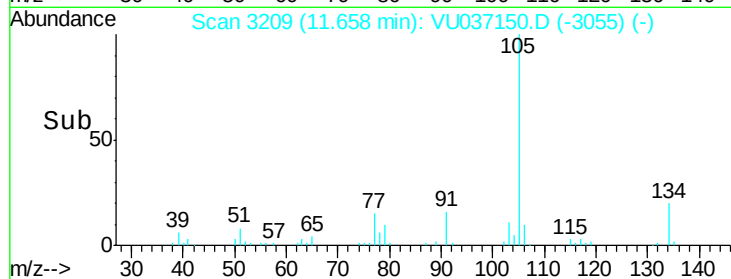
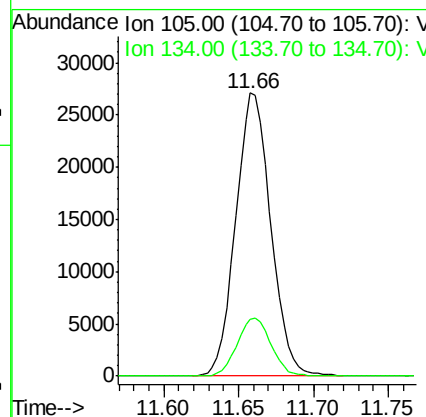
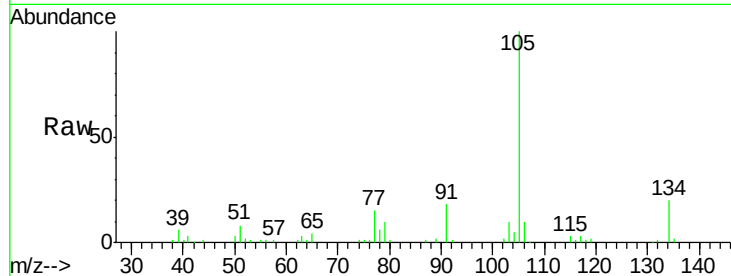
#79
 sec-Butylbenzene
 Concen: 1.853 ug/l
 RT: 11.66 min Scan# 3209
 Delta R.T. -0.00 min
 Lab File: VU037150.D
 Acq: 10 Mar 2020 13:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0310WBSD01

Tot Ion: 105 Resp: 44246
 Ion Ratio Lower Upper
 105 100
 134 19.8 16.0 24.0

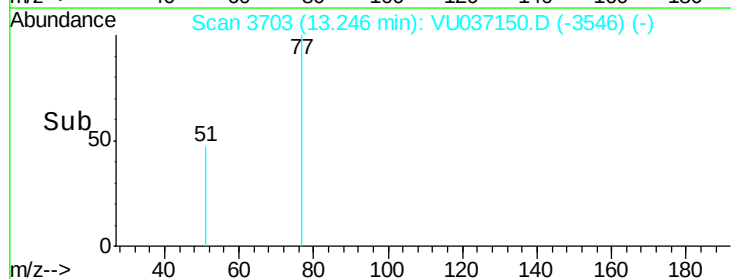
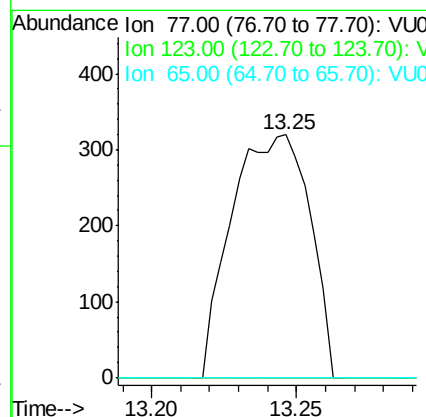
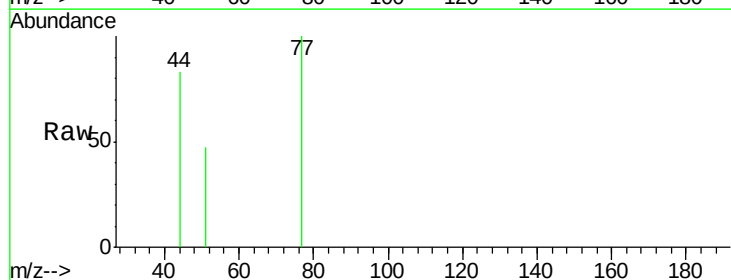
Manual Integrations
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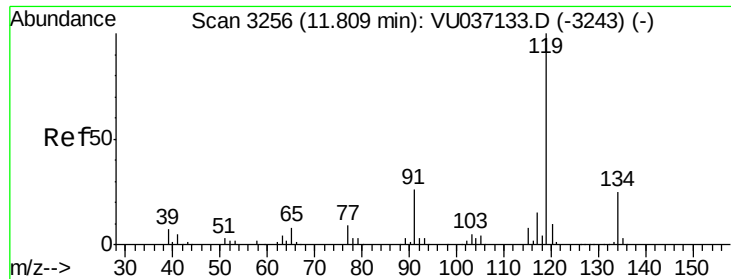
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#80
 Nitrobenzene
 Concen: 6.096 ug/l
 RT: 13.25 min Scan# 3703
 Delta R.T. 0.01 min
 Lab File: VU037150.D
 Acq: 10 Mar 2020 13:41

Tgt Ion: 77 Resp: 598
 Ion Ratio Lower Upper
 77 100
 123 0.0 19.6 69.6#
 65 0.0 12.7 16.1#





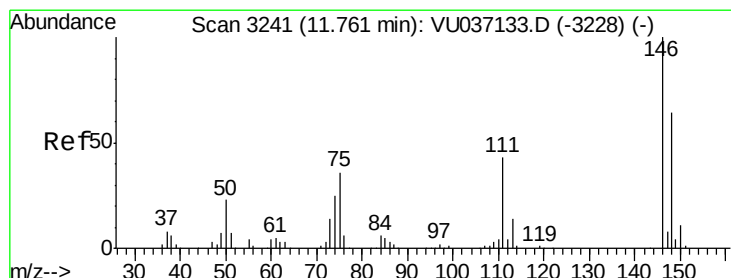
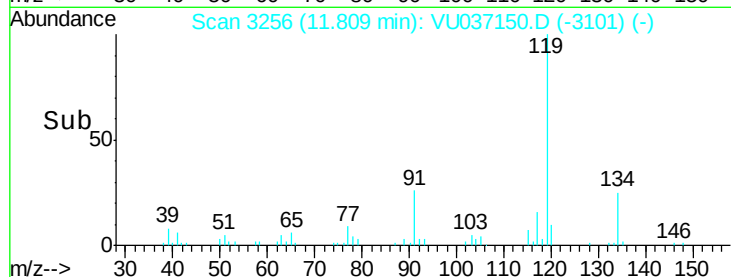
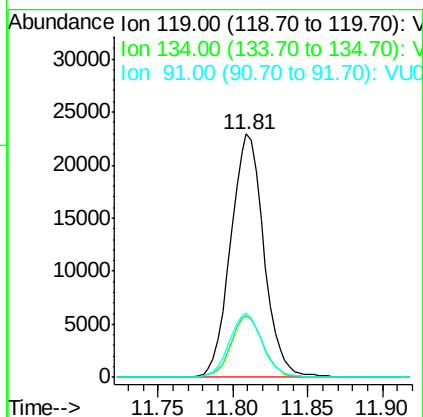
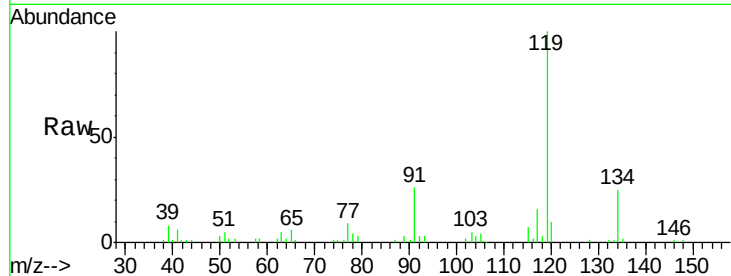
#81
 p-Isopropyltoluene
 Concen: 1.885 ug/l
 RT: 11.81 min Scan# 3256
 Delta R.T. -0.00 min
 Lab File: VU037150.D
 Acq: 10 Mar 2020 13:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0310WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.5	21.4	32.0
91	26.2	18.3	27.5

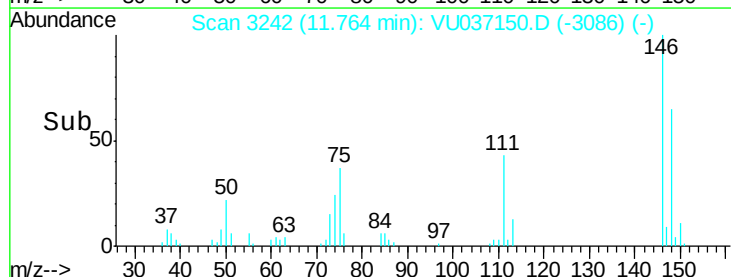
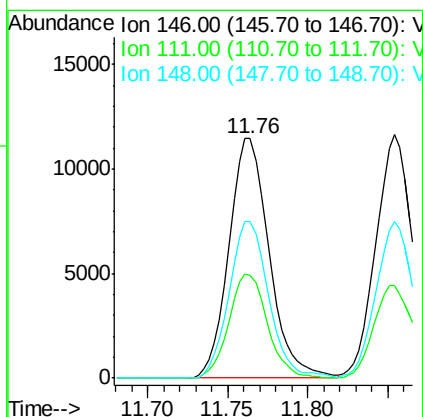
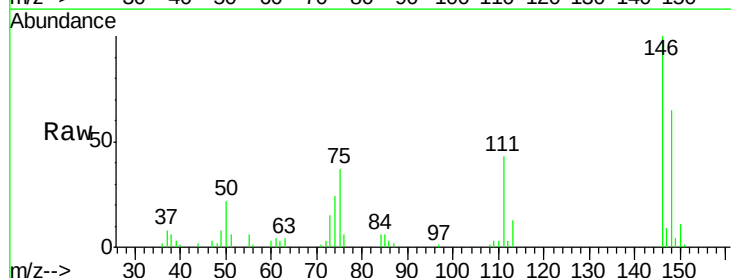
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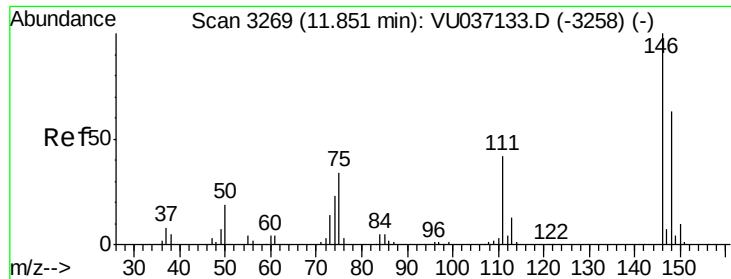
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#82
 1,3-Dichlorobenzene
 Concen: 1.973 ug/l
 RT: 11.76 min Scan# 3242
 Delta R.T. 0.00 min
 Lab File: VU037150.D
 Acq: 10 Mar 2020 13:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	32.2	48.2
148	63.9	51.4	77.2





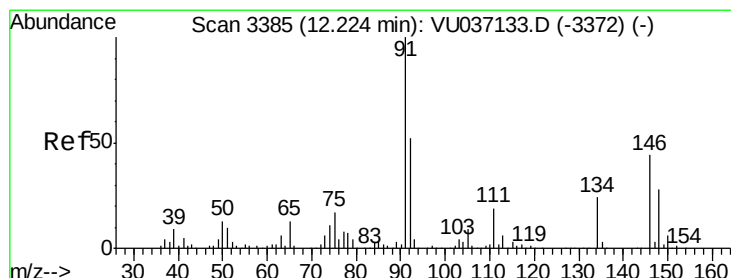
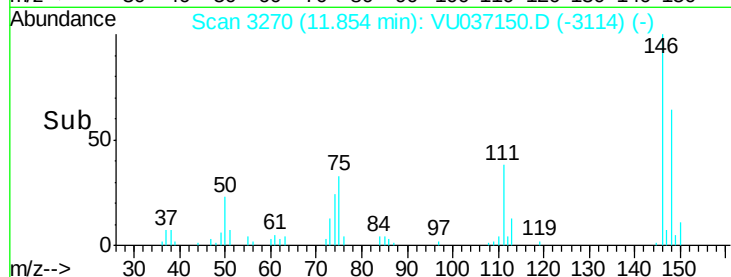
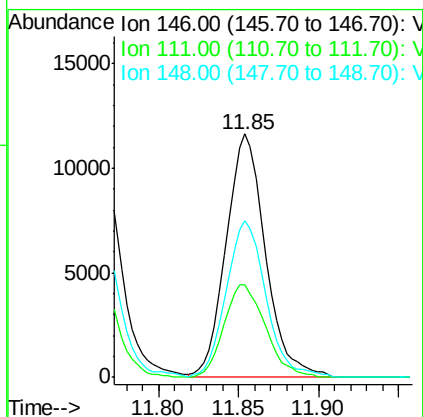
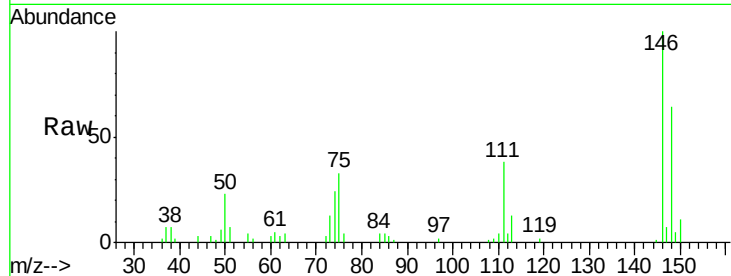
#83
 1,4-Dichlorobenzene
 Concen: 1.938 ug/l
 RT: 11.85 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU037150.D
 Acq: 10 Mar 2020 13:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0310WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	30.5	45.7
148	64.7	51.0	76.4

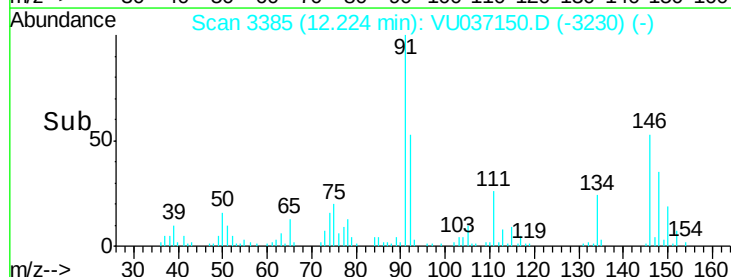
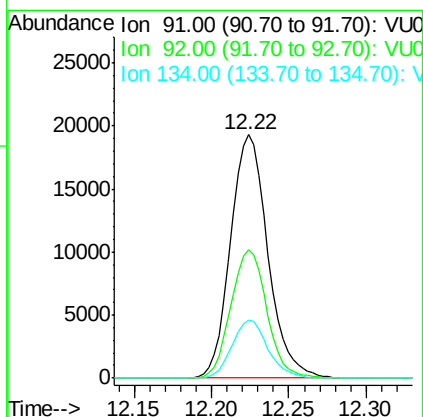
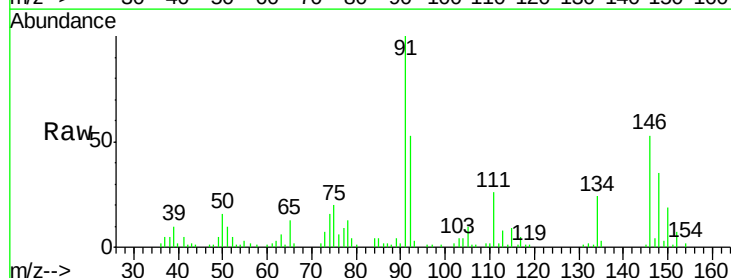
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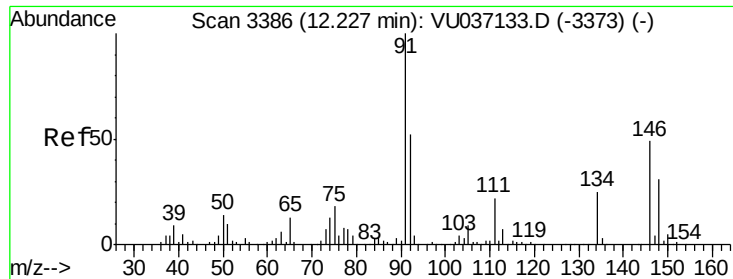
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#84
 n-Butylbenzene
 Concen: 1.806 ug/l
 RT: 12.22 min Scan# 3385
 Delta R.T. -0.00 min
 Lab File: VU037150.D
 Acq: 10 Mar 2020 13:41

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.8	42.9	64.3
134	22.9	21.4	32.0





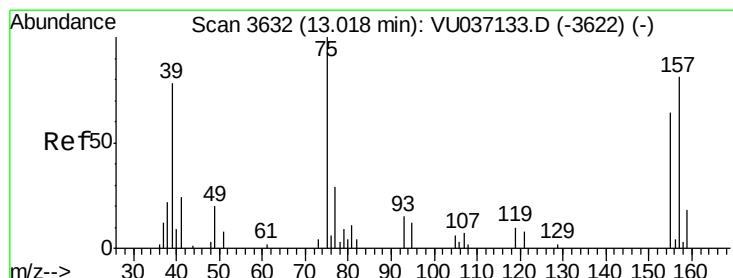
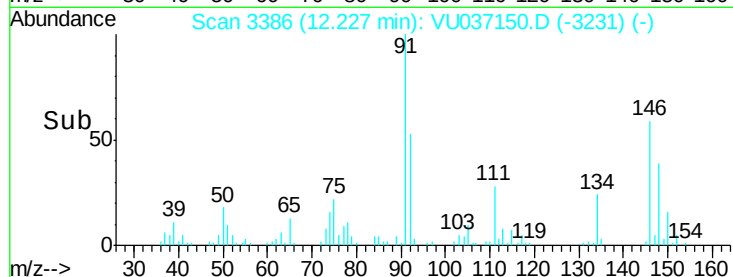
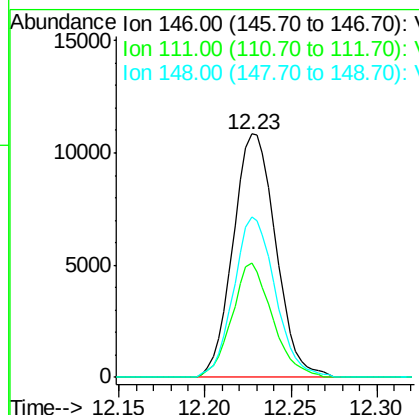
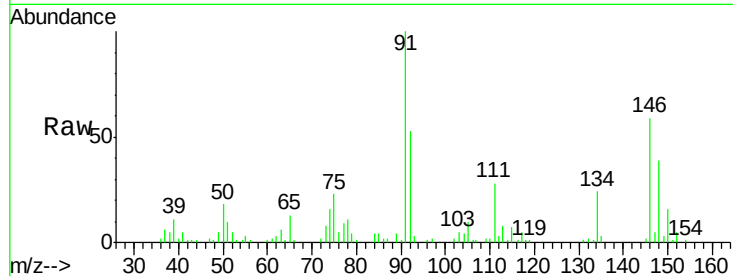
#85
 1,2-Dichlorobenzene
 Concen: 1.939 ug/l
 RT: 12.23 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU037150.D
 Acq: 10 Mar 2020 13:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0310WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	20.8	62.4
148	64.3	32.0	96.2

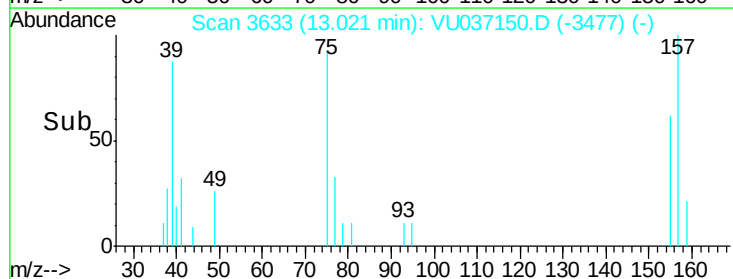
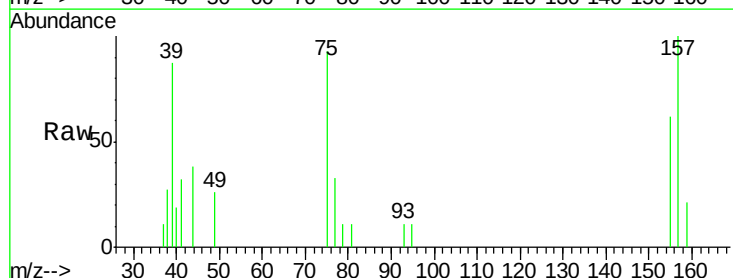
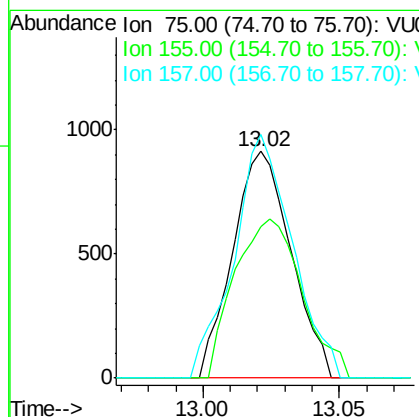
Manual Integrations
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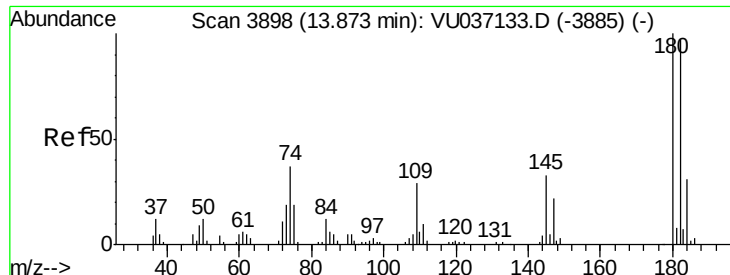
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 1.713 ug/l
 RT: 13.02 min Scan# 3633
 Delta R.T. 0.00 min
 Lab File: VU037150.D
 Acq: 10 Mar 2020 13:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.4	71.8	107.8
157	108.1	92.4	138.6





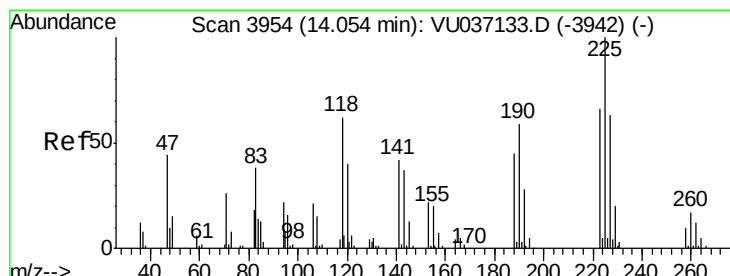
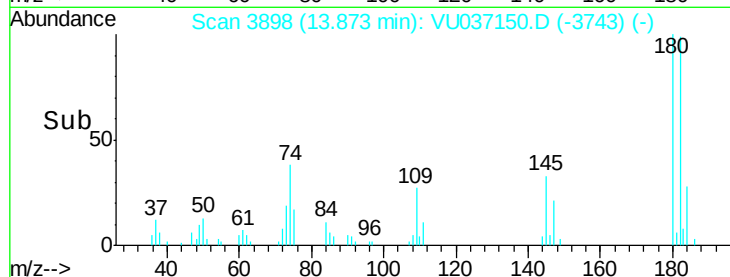
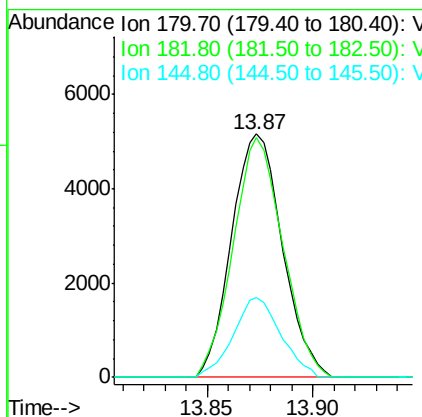
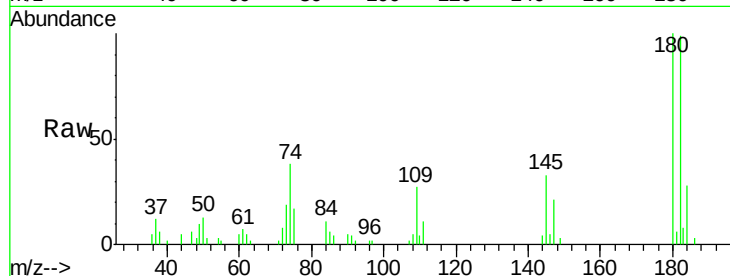
#87
 1,2,4-Trichlorobenzene
 Concen: 1.786 ug/l
 RT: 13.87 min Scan# 3898
 Delta R.T. -0.00 min
 Lab File: VU037150.D
 Acq: 10 Mar 2020 13:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0310WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	75.9	113.9
145	30.6	23.4	35.2

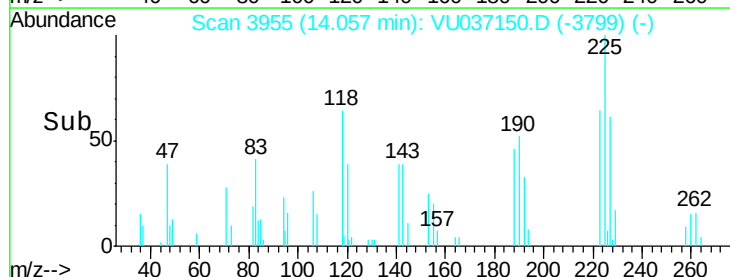
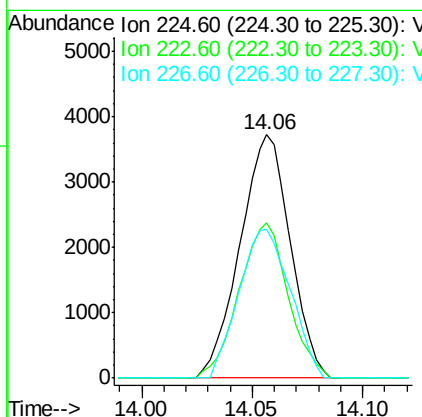
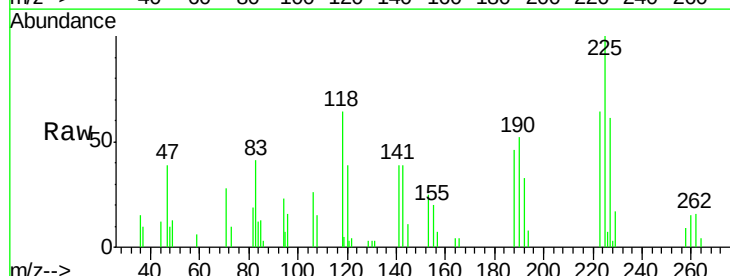
Manual Integrations
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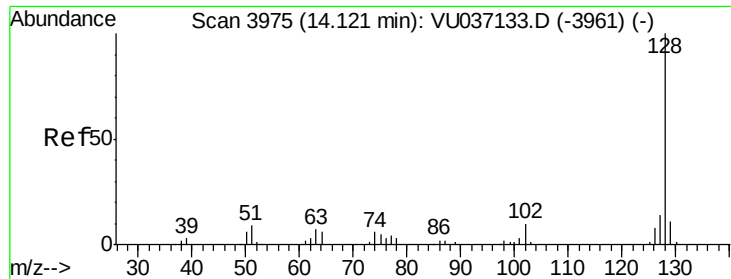
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#88
 Hexachlorobutadiene
 Concen: 1.955 ug/l
 RT: 14.06 min Scan# 3955
 Delta R.T. 0.00 min
 Lab File: VU037150.D
 Acq: 10 Mar 2020 13:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	51.7	77.5
227	62.6	50.6	75.8





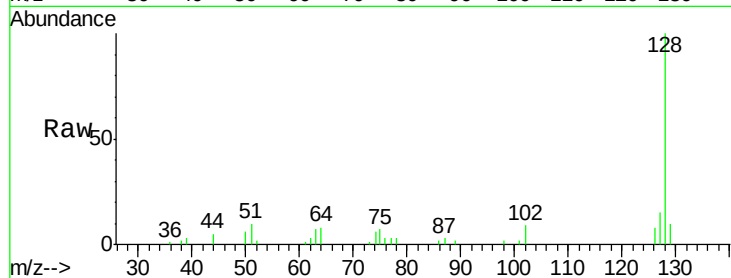
#89
Naphthalene
Concen: 1.650 ug/l
RT: 14.12 min Scan# 3976
Delta R.T. 0.00 min
Lab File: VU037150.D
Acq: 10 Mar 2020 13:41

Instrument :
MSVOA_U
ClientSampleId :
VU0310WBSD01

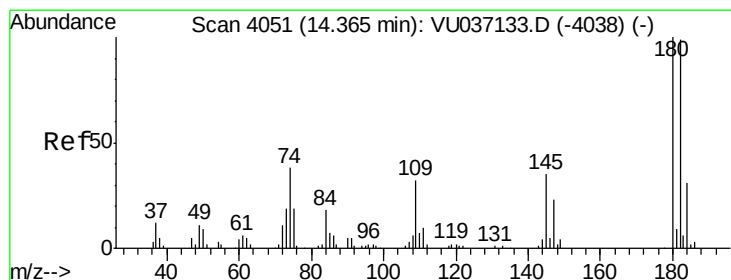
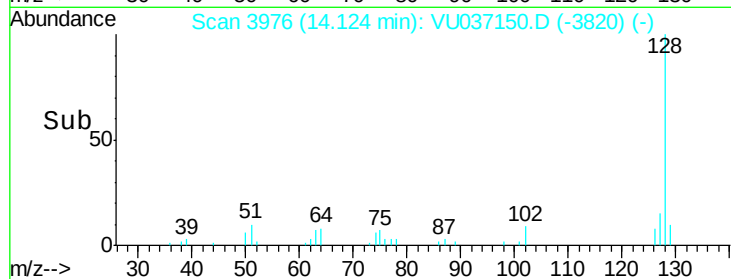
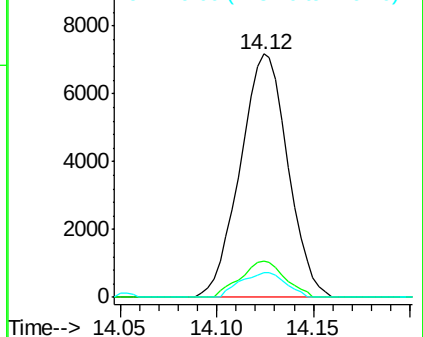
Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.5	15.7
129	9.7	8.7	13.1

Manual Integrations
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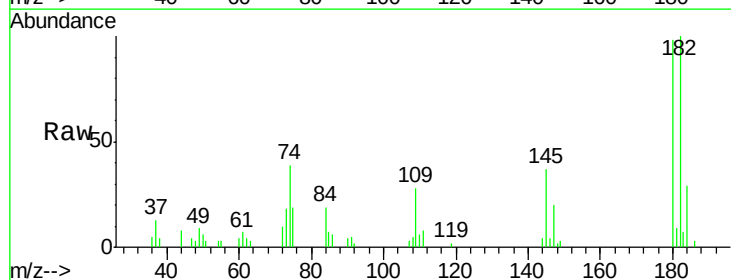


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#90
1,2,3-Trichlorobenzene
Concen: 1.778 ug/l
RT: 14.37 min Scan# 4052
Delta R.T. 0.00 min
Lab File: VU037150.D
Acq: 10 Mar 2020 13:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.9	76.2	114.4
145	36.8	25.2	37.8



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

