

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031020\
 Data File : VU037151.D
 Acq On : 10 Mar 2020 14:08
 Operator : JC/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

sam
 3/11/2020 3:32:27 PM

Quant Time: Mar 10 14:48:04 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	16033	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.65	95	6859	1.11	ug/l	0.00
Spiked Amount 1.000			Recovery	=	111.00%	
68) 1,2-Dichlorobenzene-d4	12.21	152	6615	1.05	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.39	85	79412	10.146	ug/l	98
3) Chloromethane	1.54	50	84629	10.876	ug/l	99
4) Vinyl Chloride	1.62	62	70351	10.286	ug/l	98
5) Bromomethane	1.87	94	25289	10.601	ug/l	98
6) Chloroethane	1.95	64	32867	10.030	ug/l	98
7) Trichlorofluoromethane	2.16	101	86433	10.399	ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.61	101	39850	10.220	ug/l #	93
9) 1,1-Dichloroethene	2.60	96	37864	10.212	ug/l	79
10) Iodomethane	2.75	142	22062	10.708	ug/l #	73
11) Allyl Chloride	2.95	41	72082	10.028	ug/l #	64
12) Acrylonitrile	3.36	53	18328	20.899	ug/l	92
13) Acetone	2.66	43	50399	51.705	ug/l #	77
14) Carbon Disulfide	2.82	76	124535	10.085	ug/l	100
15) Methylene Chloride	3.08	84	43799	9.409	ug/l #	76
16) trans-1,2-Dichloroethene	3.38	96	39643	10.068	ug/l	88
17) 1,1-Dichloroethane	3.91	63	89438	9.798	ug/l	98
18) 2-Butanone	4.76	43	74268	49.848	ug/l	98
19) Cyclohexane	5.42	56	80606m	10.369	ug/l	
20) Methylcyclohexane	6.79	83	80885	10.534	ug/l #	88
21) 2,2-Dichloropropane	4.71	77	84064	10.093	ug/l	95
22) cis-1,2-Dichloroethene	4.71	96	50588	10.373	ug/l	85
23) Diethyl Ether	2.40	59	31845	10.140	ug/l	88
24) tert-Butyl Alcohol	3.23	59	38074	110.876	ug/l	99
25) Methyl tert-Butyl Ether	3.41	73	110985	10.216	ug/l #	72
26) Bromochloromethane	5.02	128	22487	10.476	ug/l	82
27) Chloroform	5.13	83	96283	9.795	ug/l	100
28) 1,1,1-Trichloroethane	5.35	97	85764	10.235	ug/l	96
29) 1,1-Dichloropropene	5.56	75	69824	10.254	ug/l	97
30) Carbon Tetrachloride	5.56	117	75521	10.299	ug/l	97
31) Isopropyl Ether	4.05	45	145384	9.977	ug/l	85
32) Ethyl-t-butyl ether	4.56	59	137959	10.028	ug/l	94
33) Tert-Amyl methyl ether	5.98	73	121793	10.316	ug/l	99
34) Propionitrile	4.83	54	21793	55.613	ug/l #	96
35) Benzene	5.81	78	196947	10.181	ug/l	100
36) 1,2-Dichloroethane	5.83	62	68905	9.826	ug/l #	93
37) Trichloroethene	6.57	130	49573	9.766	ug/l	88
38) 1,2-Dichloropropane	6.83	63	52726	9.930	ug/l	100
39) Methacrylonitrile	5.02	41	19717	10.429	ug/l #	84
40) Methyl acrylate	4.89	55	26835	10.264	ug/l #	93
41) Tetrahydrofuran	5.11	42	18866	20.000	ug/l #	85
42) 1-Chlorobutane	5.49	56	100118	10.208	ug/l	79

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Manual Integrations
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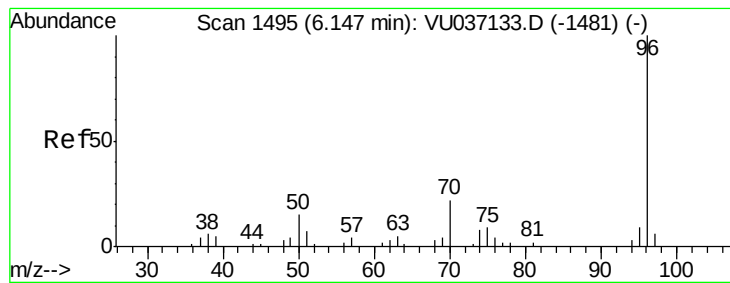
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Quant Time: Mar 10 14:48:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U030920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Mar 09 15:46:40 2020
 Response via : Initial Calibration

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

43) Dibromomethane	6.95	93	28395	10.433	ug/l	89
44) Bromodichloromethane	7.14	83	72568	10.242	ug/l	100
45) 4-Methyl-2-Pentanone	7.83	43	188918	51.763	ug/l #	87
46) t-1,4-Dichloro-2-butene	10.86	75	21909m	21.932	ug/l	
47) Methyl methacrylate	7.00	69	50284	22.355	ug/l #	68
48) Ethyl methacrylate	8.36	69	48334	10.876	ug/l	74
49) Toluene	8.00	92	124938	10.695	ug/l	99
50) t-1,3-Dichloropropene	8.24	75	68380	10.713	ug/l	99
51) cis-1,3-Dichloropropene	7.64	75	74084	10.162	ug/l #	81
52) 1,1,2-Trichloroethane	8.43	97	38033	10.475	ug/l	98
53) 1,3-Dichloropropane	8.60	76	66297	10.294	ug/l	99
54) 2-Hexanone	8.71	43	135023	53.703	ug/l	86
55) Dibromochloromethane	8.83	129	47879	10.653	ug/l	98
56) 1,2-Dibromoethane	8.95	107	36208	10.530	ug/l	99
58) Tetrachloroethene	8.58	164	47900	10.055	ug/l	94
59) Chlorobenzene	9.47	112	134516	10.317	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.56	131	48924	10.251	ug/l	96
61) Pentachloroethane	11.45	117	38409	10.549	ug/l	91
62) Hexachloroethane	12.49	117	41062	10.535	ug/l	84
63) Ethyl Benzene	9.59	91	244102	10.968	ug/l	96
64) m/p-Xylenes	9.71	106	188151	22.332	ug/l	88
65) o-Xylene	10.12	106	88476	10.884	ug/l	90
66) Styrene	10.13	104	154177	11.587	ug/l	95
67) Bromoform	10.31	173	26394	11.126	ug/l #	98
69) Isopropylbenzene	10.50	105	244358	11.027	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.80	83	50423	10.558	ug/l	95
71) 1,2,3-Trichloropropane	10.85	75	39272m	10.058	ug/l	
72) Bromobenzene	10.80	156	55948	10.434	ug/l	91
73) n-propylbenzene	10.92	120	67051	11.415	ug/l	79
74) 2-Chlorotoluene	11.01	126	58041	10.917	ug/l	86
75) 1,3,5-Trimethylbenzene	11.10	105	219901	11.462	ug/l	95
76) 4-Chlorotoluene	11.11	126	61013	11.399	ug/l	82
77) tert-Butylbenzene	11.44	119	201393	10.768	ug/l	93
78) 1,2,4-Trimethylbenzene	11.48	105	222310	11.479	ug/l	96
79) sec-Butylbenzene	11.66	105	281885	11.077	ug/l	98
80) Nitrobenzene	13.24	77	5332	51.006	ug/l	95
81) p-Isopropyltoluene	11.81	119	230506	11.492	ug/l	95
82) 1,3-Dichlorobenzene	11.76	146	113858	10.717	ug/l	98
83) 1,4-Dichlorobenzene	11.85	146	113474	10.543	ug/l	98
84) n-Butylbenzene	12.22	91	219790	11.568	ug/l	97
85) 1,2-Dichlorobenzene	12.23	146	106527	10.363	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	13.02	75	9045	10.731	ug/l #	80
87) 1,2,4-Trichlorobenzene	13.87	180	57763	11.179	ug/l	98
88) Hexachlorobutadiene	14.05	225	33263	10.402	ug/l	99
89) Naphthalene	14.12	128	103749	9.923	ug/l	99
90) 1,2,3-Trichlorobenzene	14.37	180	56012	11.138	ug/l	98

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.15 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VU037151.D

Acq: 10 Mar 2020 14:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 96 Resp: 16033

Ion Ratio Lower Upper

96 100

70 21.9 15.6 23.4

95 8.8 7.0 10.6

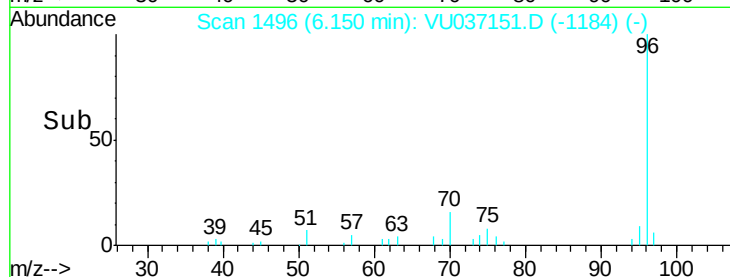
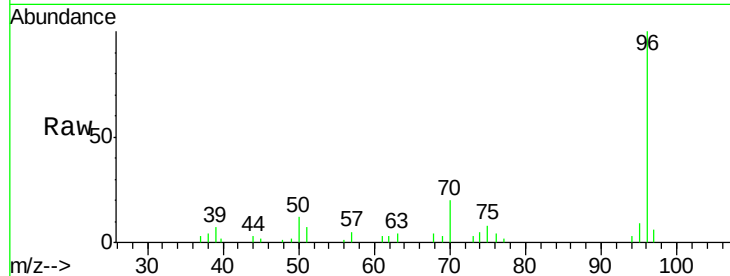
97 0.0 0.0 0.0

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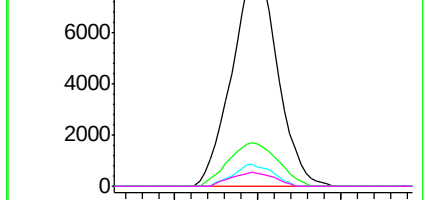


Abundance Ion 96.00 (95.70 to 96.70): VU037151.D (-1184) (-)

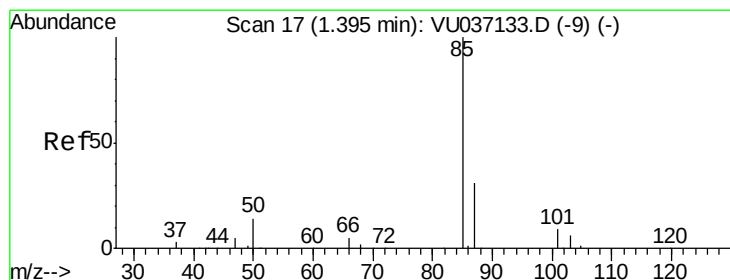
Ion 70.00 (69.70 to 70.70): VU037151.D (-1184) (-)

Ion 95.00 (94.70 to 95.70): VU037151.D (-1184) (-)

Ion 97.00 (96.70 to 97.70): VU037151.D (-1184) (-)



Time-->



#2

Dichlorodifluoromethane

Concen: 10.146 ug/l

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU037151.D

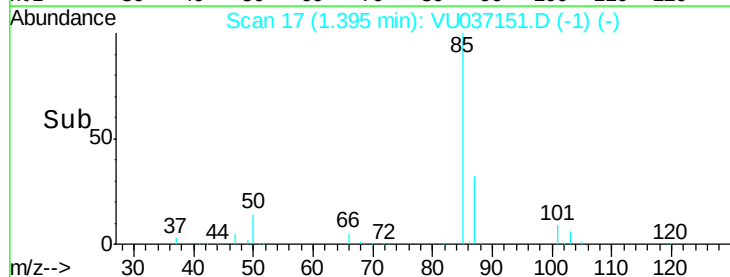
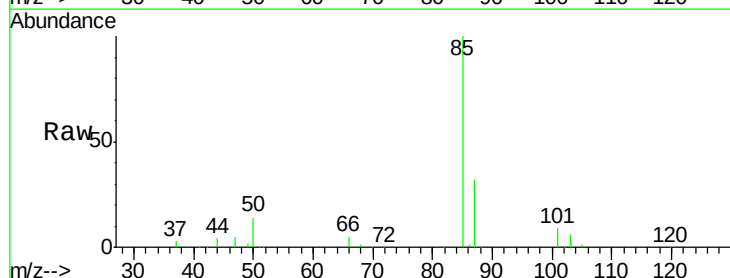
Acq: 10 Mar 2020 14:08

Tgt Ion: 85 Resp: 79412

Ion Ratio Lower Upper

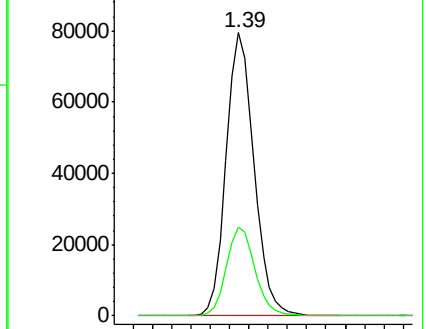
85 100

87 31.6 16.4 49.2

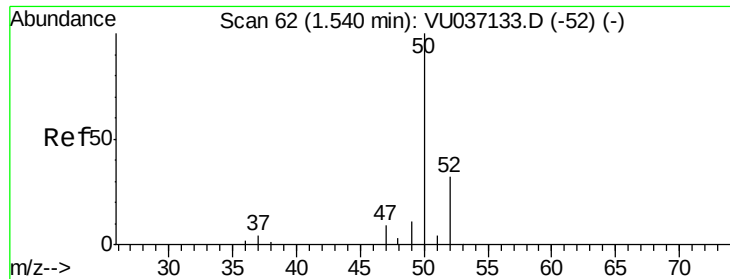


Abundance Ion 85.00 (84.70 to 85.70): VU037151.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU037151.D (-1) (-)



Time-->



#3

Chloromethane

Concen: 10.876 ug/l

RT: 1.54 min Scan# 62

Delta R.T. -0.00 min

Lab File: VU037151.D

Acq: 10 Mar 2020 14:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 50 Resp: 84629

Ion Ratio Lower Upper

50 100

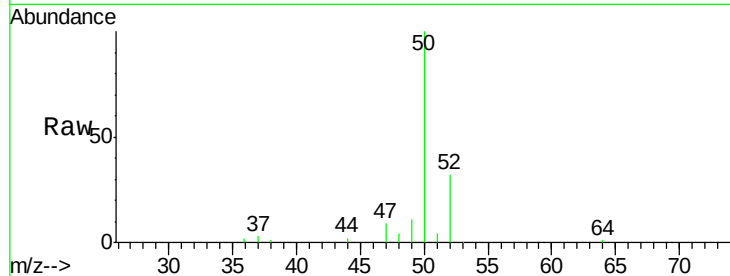
52 31.7 26.0 39.0

Manual Integrations

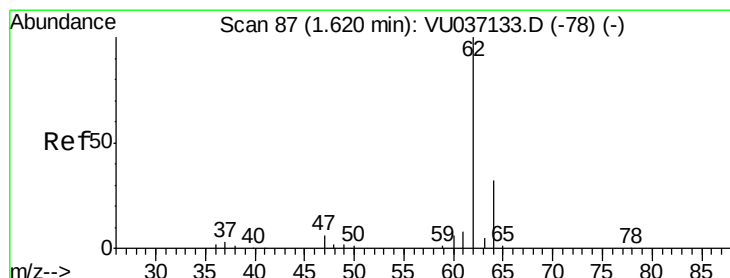
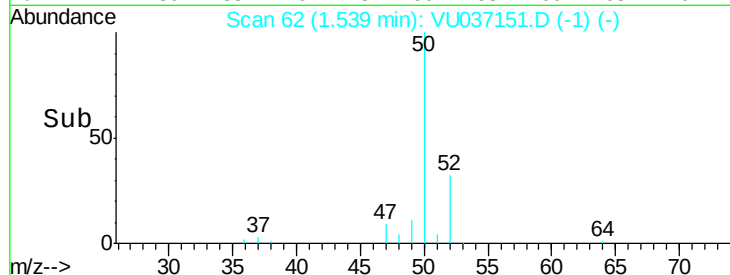
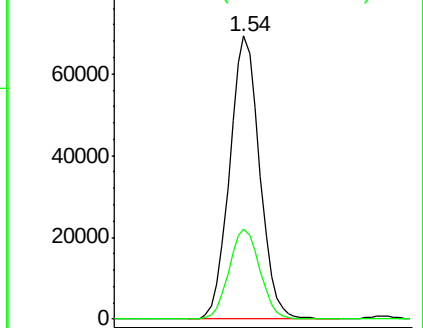
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Abundance Ion 50.00 (49.70 to 50.70): VU037151.D (-1) (-)



#4

Vinyl Chloride

Concen: 10.286 ug/l

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU037151.D

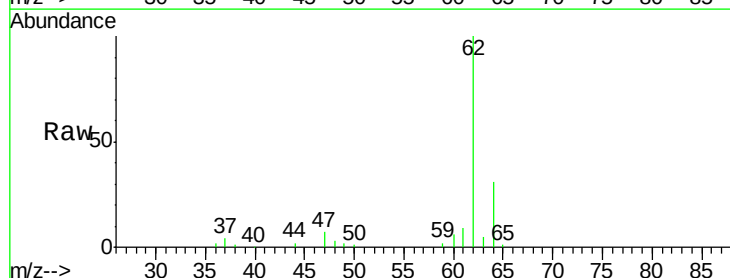
Acq: 10 Mar 2020 14:08

Tgt Ion: 62 Resp: 70351

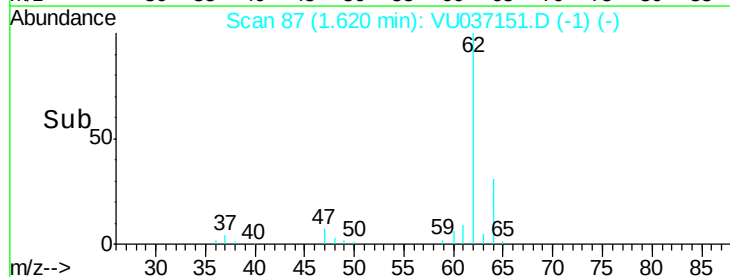
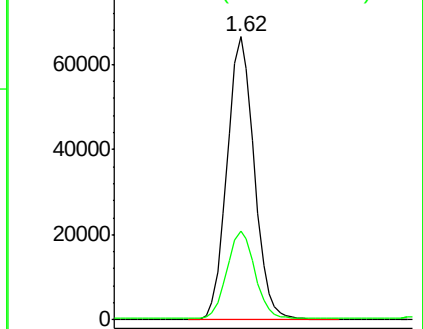
Ion Ratio Lower Upper

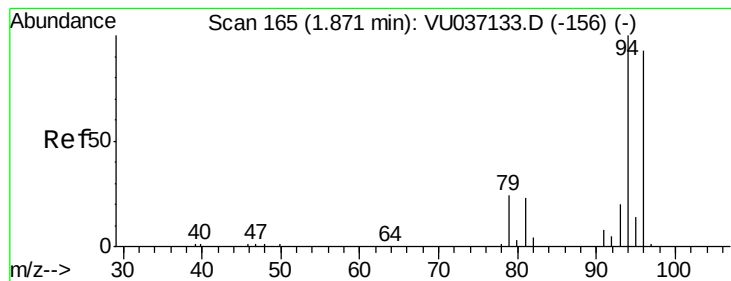
62 100

64 30.6 25.4 38.2



Abundance Ion 62.00 (61.70 to 62.70): VU037151.D (-1) (-)





#5

Bromomethane

Concen: 10.601 ug/l

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU037151.D

Acq: 10 Mar 2020 14:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 94 Resp: 25289

Ion Ratio Lower Upper

94 100

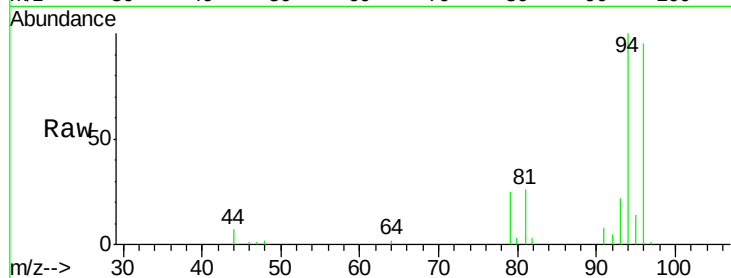
96 94.8 74.6 112.0

Manual Integrations

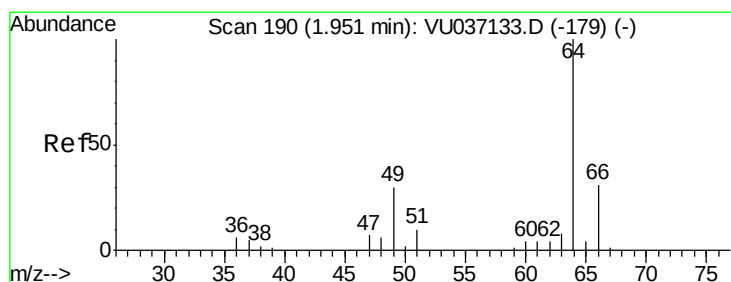
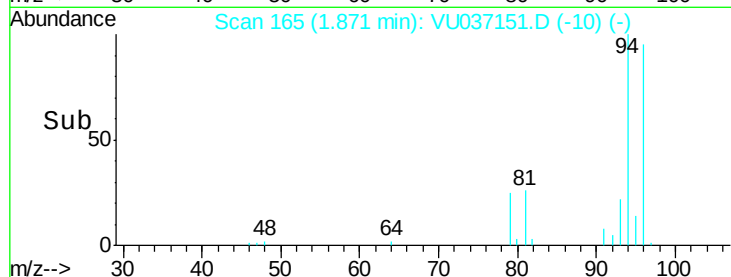
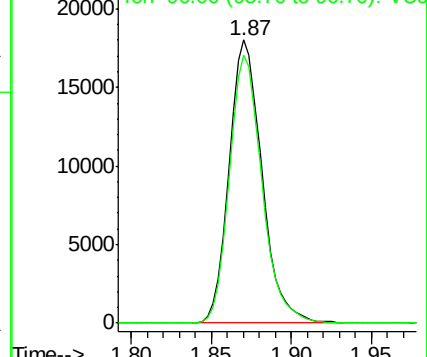
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Abundance Ion 94.00 (93.70 to 94.70): VU037151.D (-10) (-)



#6

Chloroethane

Concen: 10.030 ug/l

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU037151.D

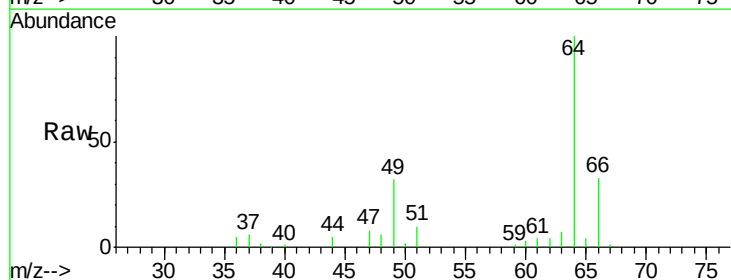
Acq: 10 Mar 2020 14:08

Tgt Ion: 64 Resp: 32867

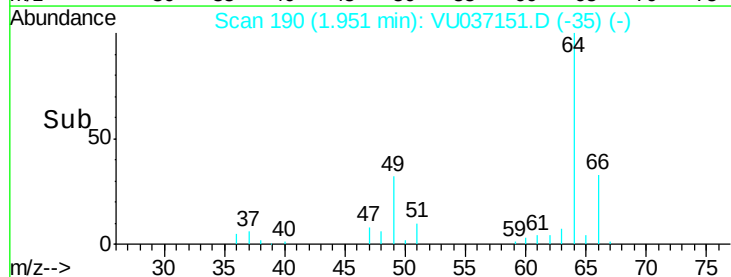
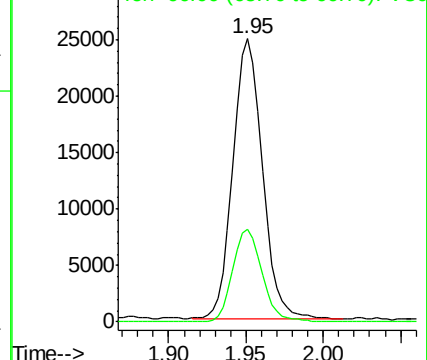
Ion Ratio Lower Upper

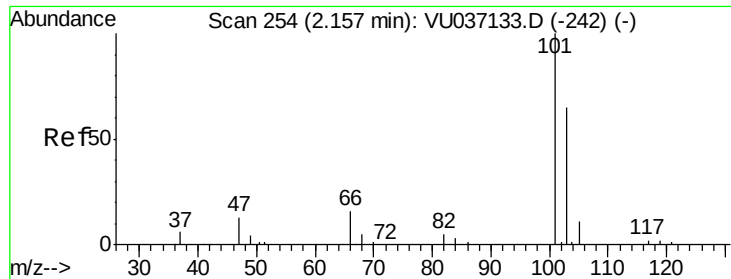
64 100

66 33.2 25.5 38.3



Abundance Ion 64.00 (63.70 to 64.70): VU037151.D (-35) (-)





#7

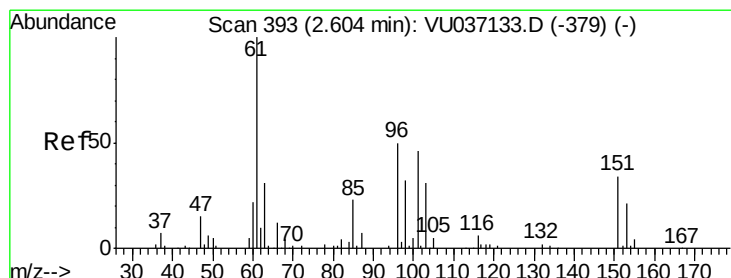
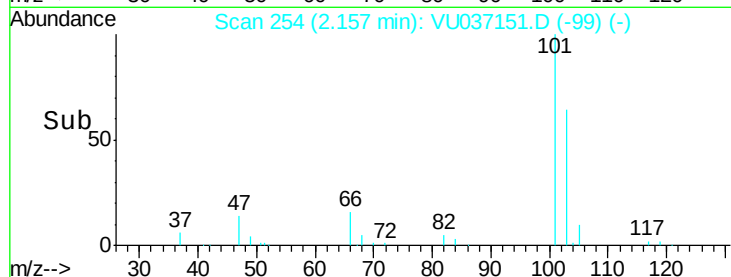
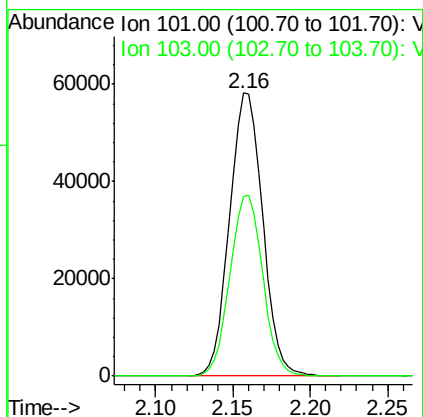
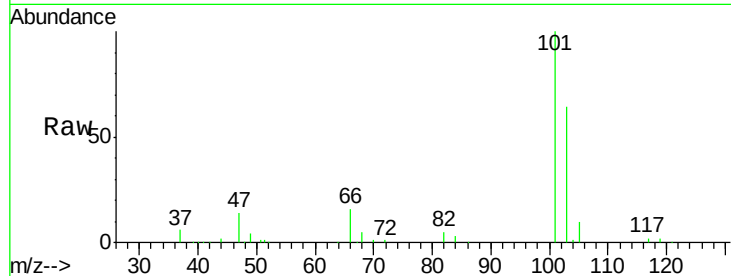
Trichlorofluoromethane
 Concen: 10.399 ug/l
 RT: 2.16 min Scan# 254
 Delta R.T. -0.00 min
 Lab File: VU037151.D
 Acq: 10 Mar 2020 14:08

Instrument :
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 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	53.0	79.6

Manual Integrations
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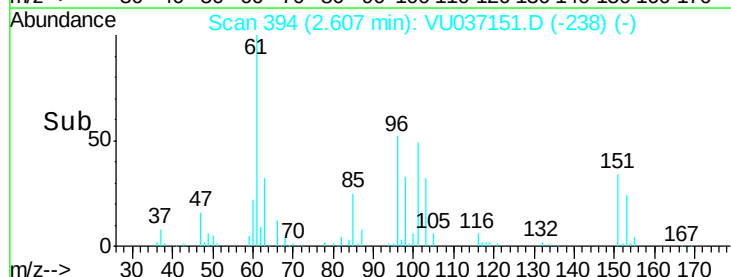
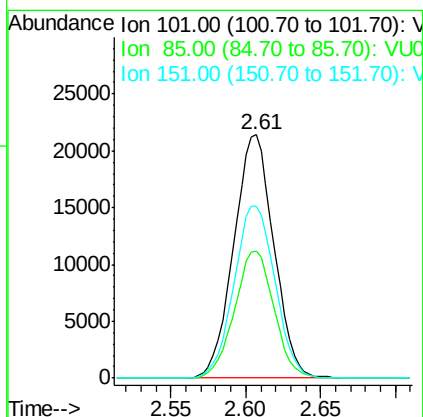
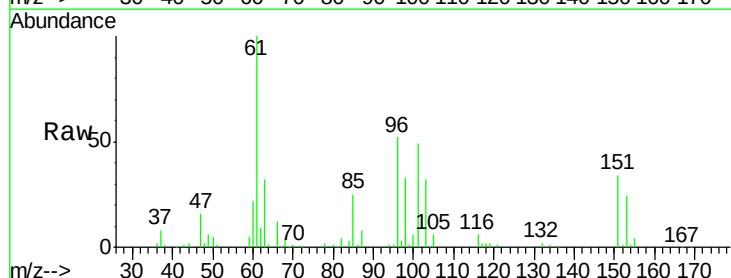
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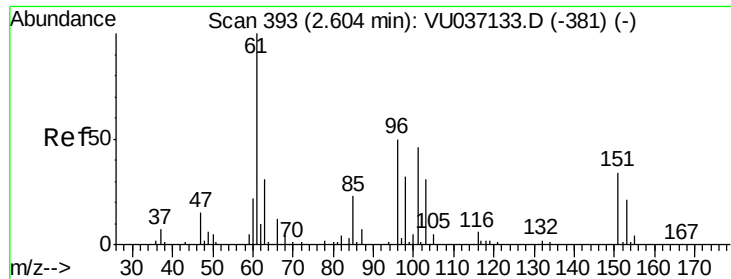


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 10.220 ug/l
 RT: 2.61 min Scan# 394
 Delta R.T. 0.00 min
 Lab File: VU037151.D
 Acq: 10 Mar 2020 14:08

Tgt Ion	Ratio	Lower	Upper
101	100		
85	51.4	33.9	50.9#
151	72.4	59.8	89.8





#9

1,1-Dichloroethene

Concen: 10.212 ug/l

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037151.D

Acq: 10 Mar 2020 14:08

Instrument :

MSVOA_U

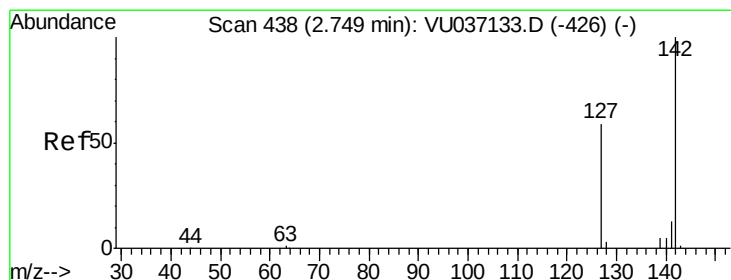
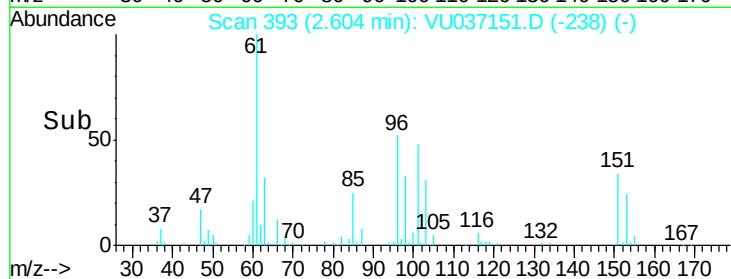
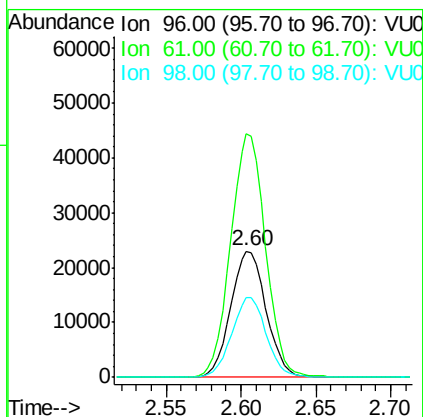
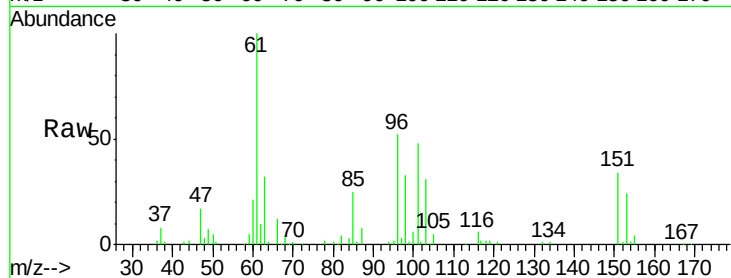
ClientSampleId :

VSTDCCC010EC

Tot Ion:	96	Resp:	37864
Ion	Ratio	Lower	Upper
96	100		
61	192.6	0.0	463.2
98	63.3	0.0	130.0

Manual Integrations
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#10

Iodomethane

Concen: 10.708 ug/l

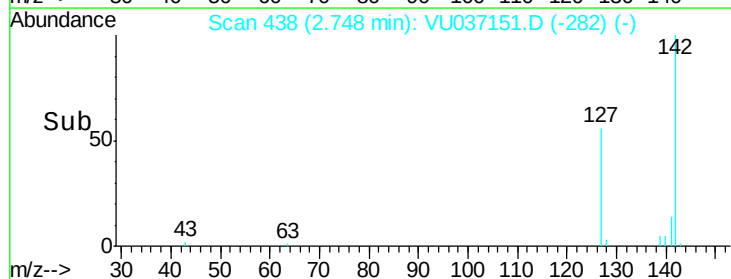
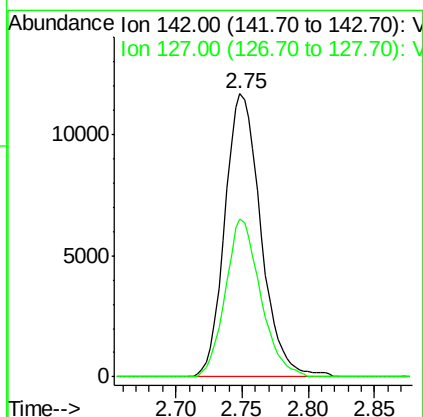
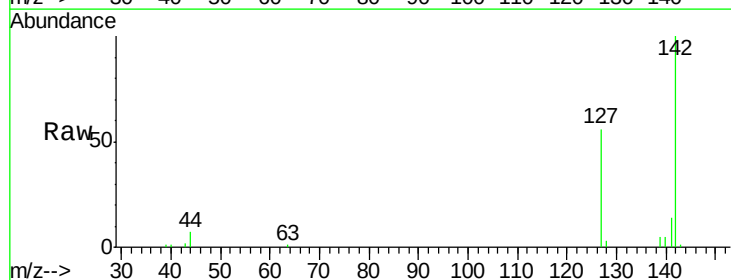
RT: 2.75 min Scan# 438

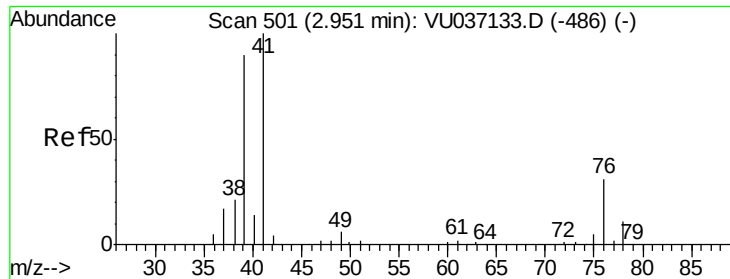
Delta R.T. 0.00 min

Lab File: VU037151.D

Acq: 10 Mar 2020 14:08

Tgt Ion:	142	Resp:	22062
Ion	Ratio	Lower	Upper
142	100		
127	54.3	30.3	45.5#





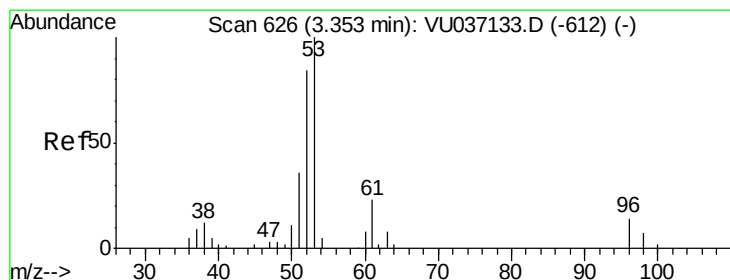
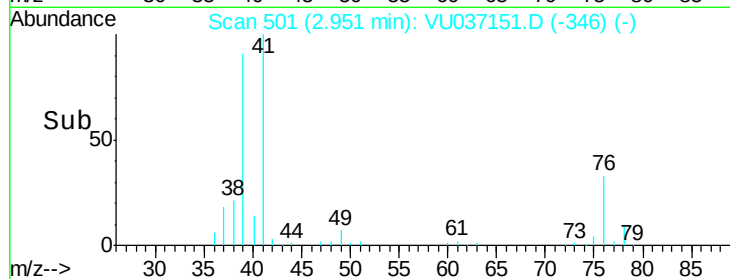
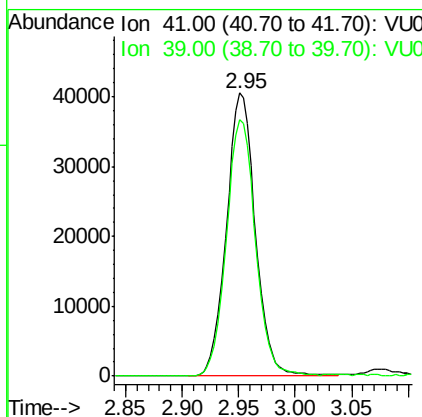
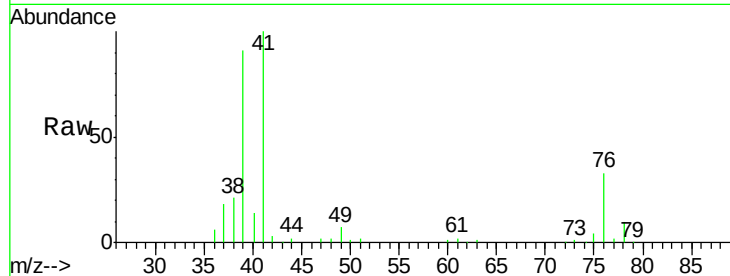
#11
Allvl Chloride
Concen: 10.028 ug/l
RT: 2.95 min Scan# 501
Delta R.T. -0.00 min
Lab File: VU037151.D
Acq: 10 Mar 2020 14:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion: 41 Resp: 72082
Ion Ratio Lower Upper
41 100
39 91.7 50.7 76.1#

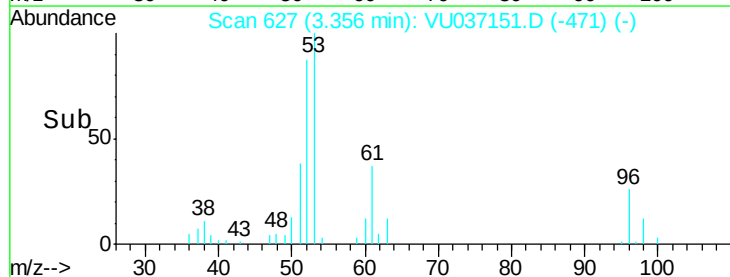
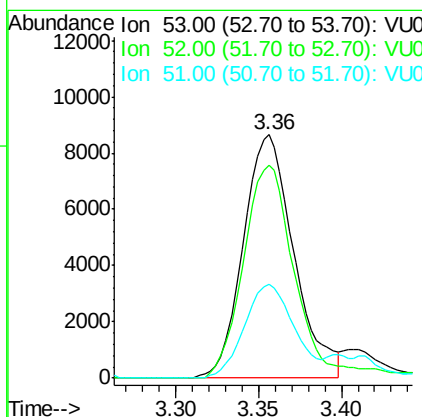
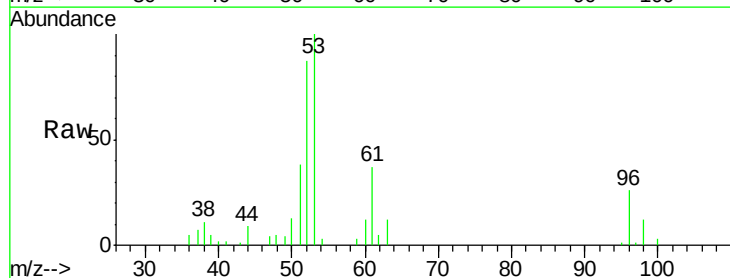
Manual Integrations
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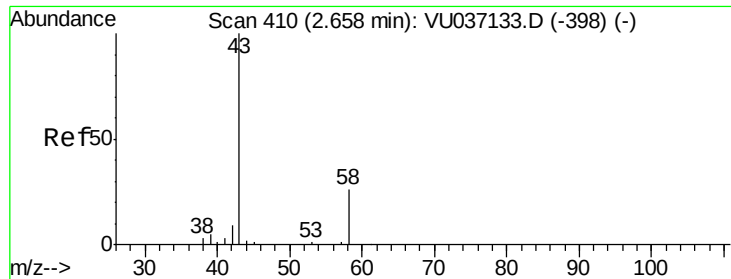
sam
3/11/2020 3:32:27 PM



#12
Acrylonitrile
Concen: 20.899 ug/l
RT: 3.36 min Scan# 627
Delta R.T. 0.00 min
Lab File: VU037151.D
Acq: 10 Mar 2020 14:08

Tgt Ion: 53 Resp: 18328
Ion Ratio Lower Upper
53 100
52 87.8 64.6 97.0
51 38.0 27.2 40.8





#13

Acetone

Concen: 51.705 ug/l

RT: 2.66 min Scan# 409

Delta R.T. -0.00 min

Lab File: VU037151.D

Acq: 10 Mar 2020 14:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 50399

Ion Ratio Lower Upper

43 100

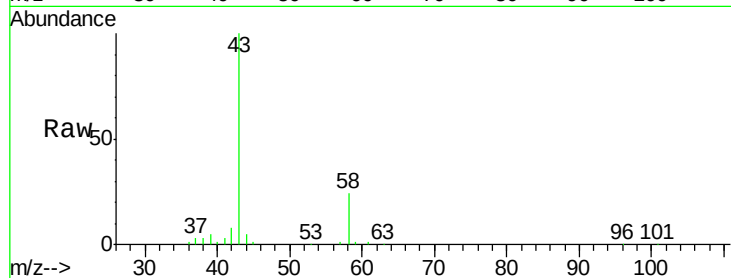
58 24.4 30.8 46.2#

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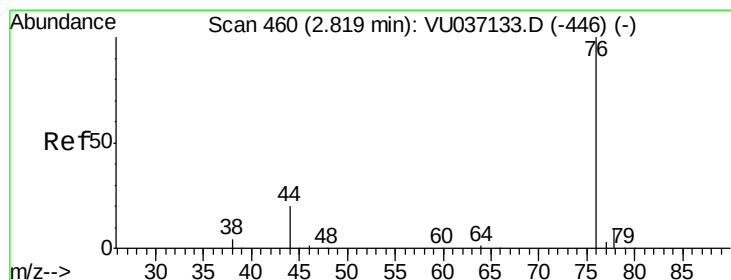
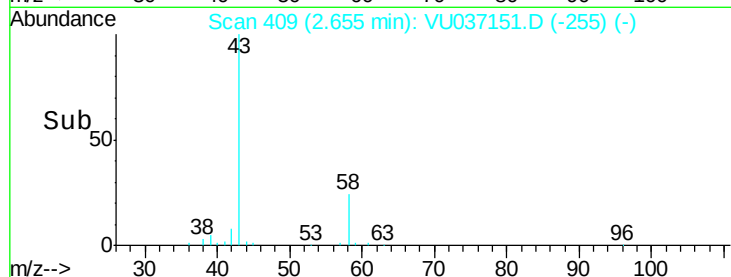
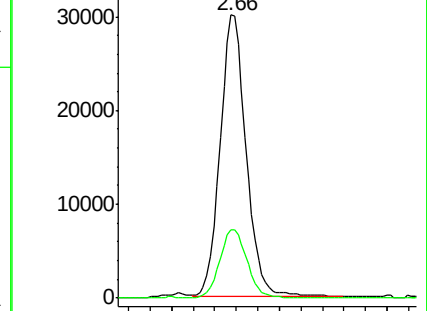
sam

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Abundance Ion 43.00 (42.70 to 43.70): VU037151.D (-255) (-)

Ion 58.00 (57.70 to 58.70): VU037151.D (-255) (-)



#14

Carbon Disulfide

Concen: 10.085 ug/l

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037151.D

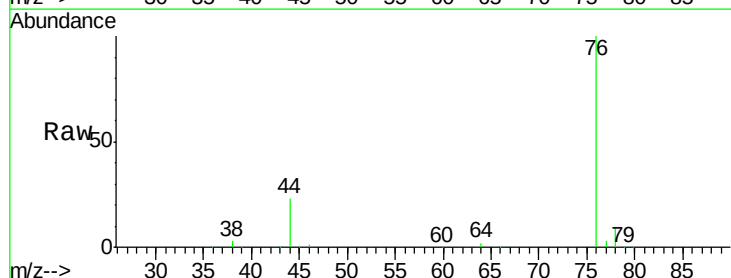
Acq: 10 Mar 2020 14:08

Tgt Ion: 76 Resp: 124535

Ion Ratio Lower Upper

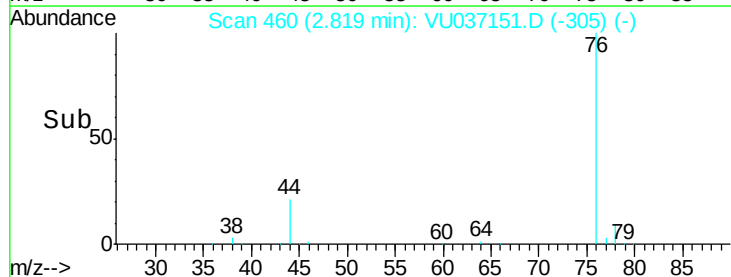
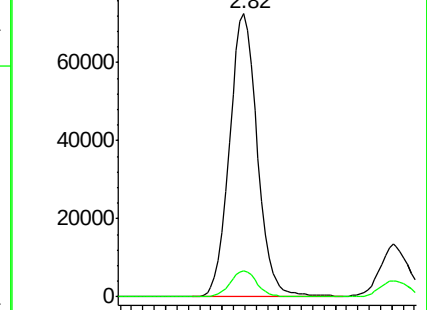
76 100

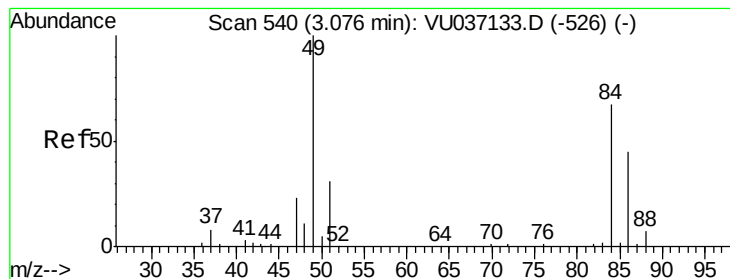
78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU037151.D (-305) (-)

Ion 78.00 (77.70 to 78.70): VU037151.D (-305) (-)





#15

Methvlene Chloride

Concen: 9.409 ug/l

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU037151.D

Acq: 10 Mar 2020 14:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 84 Resp: 43799

Ion Ratio Lower Upper

84 100

49 154.7 89.7 134.5#

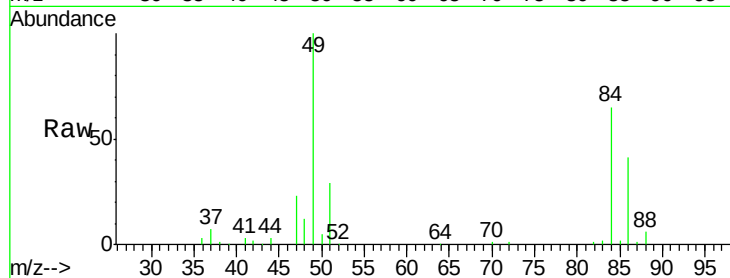
51 45.0 0.0 71.6

86 64.2 51.4 77.2

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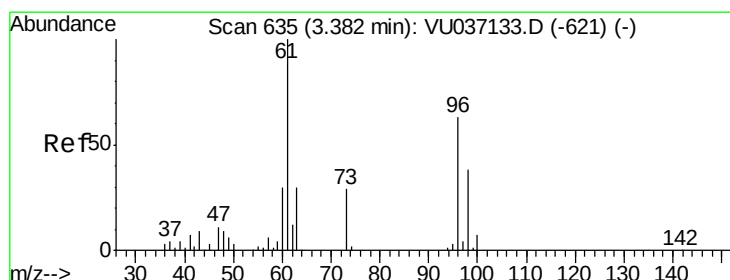
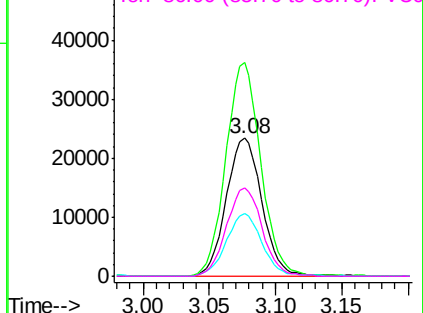
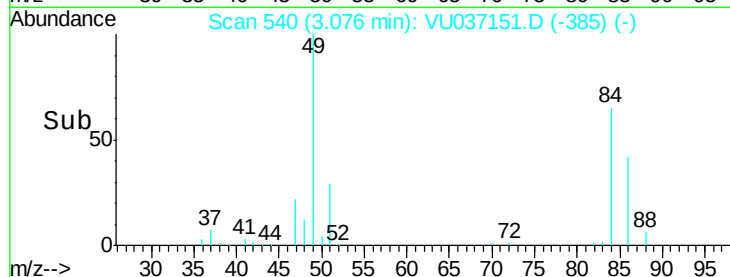


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 49.00 (48.70 to 49.70): VU0

Ion 51.00 (50.70 to 51.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#16

trans-1,2-Dichloroethene

Concen: 10.068 ug/l

RT: 3.38 min Scan# 636

Delta R.T. 0.00 min

Lab File: VU037151.D

Acq: 10 Mar 2020 14:08

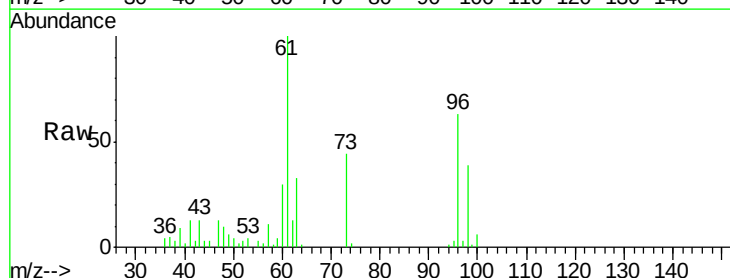
Tgt Ion: 96 Resp: 39643

Ion Ratio Lower Upper

96 100

61 159.0 110.8 166.2

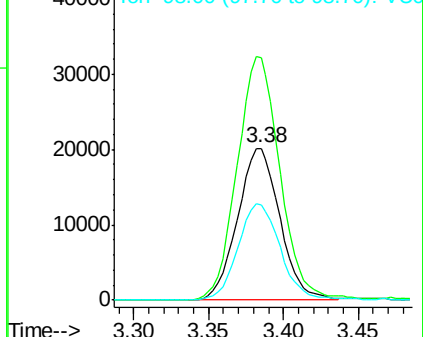
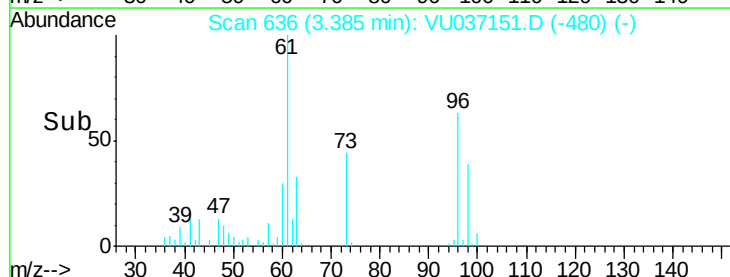
98 62.7 50.3 75.5

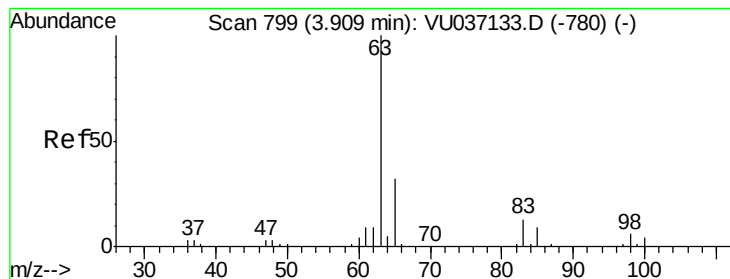


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#17

1,1-Dichloroethane

Concen: 9.798 ug/l

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU037151.D

Acq: 10 Mar 2020 14:08

Instrument :

MSVOA_U

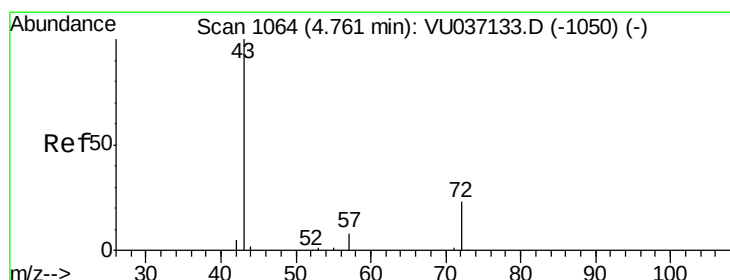
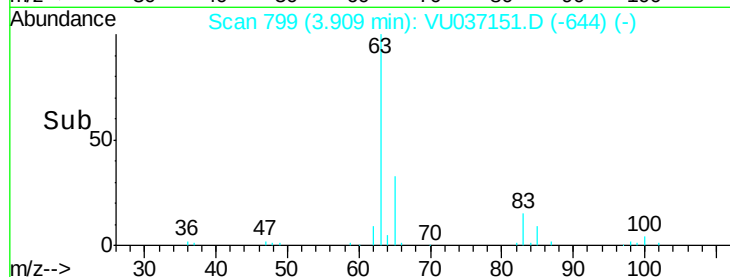
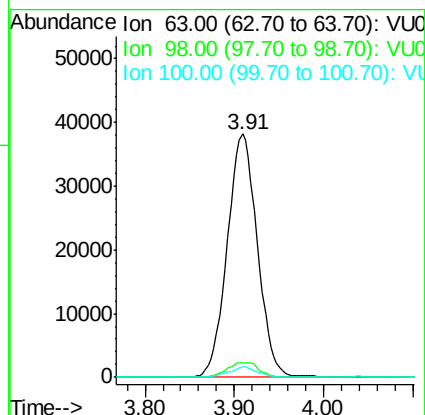
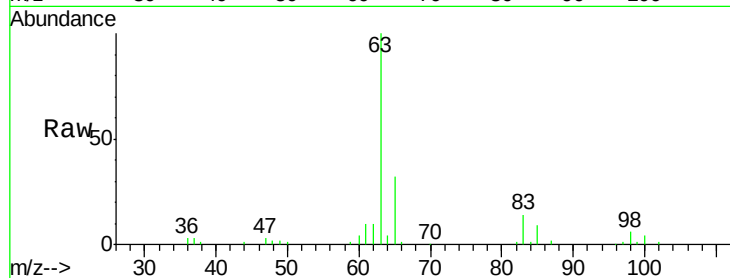
ClientSampleId :

VSTDCCC010EC

Tot Ion:	63	Resp:	89438
Ion Ratio	Lower	Upper	
63	100		
98	6.2	3.5	10.5
100	4.2	2.4	7.1

Manual Integrations
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#18

2-Butanone

Concen: 49.848 ug/l

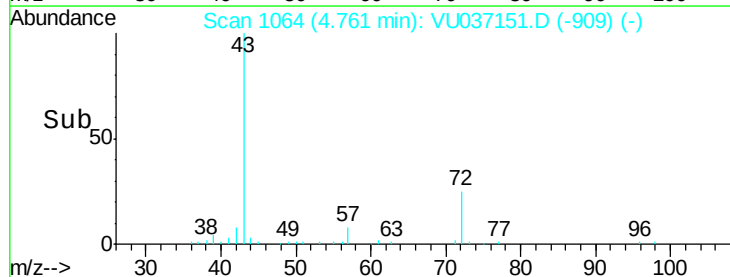
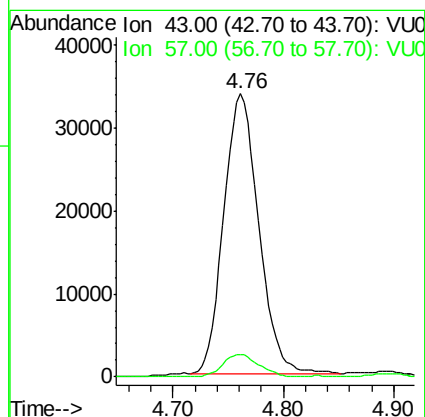
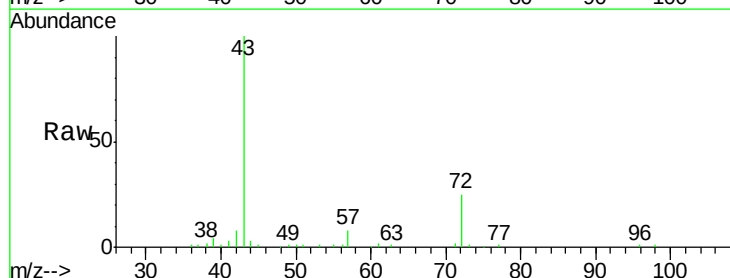
RT: 4.76 min Scan# 1064

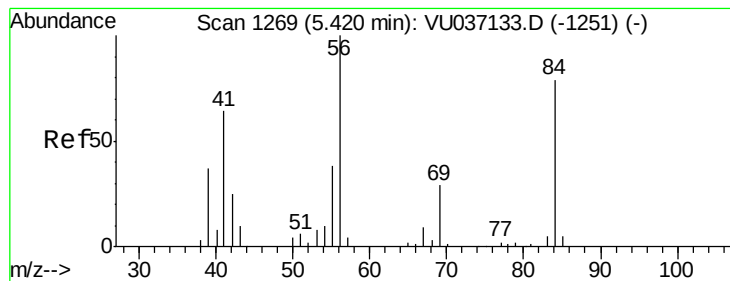
Delta R.T. -0.00 min

Lab File: VU037151.D

Acq: 10 Mar 2020 14:08

Tgt Ion:	43	Resp:	74268
Ion Ratio	Lower	Upper	
43	100		
57	8.1	0.0	17.8





#19

Cyclohexane

Concen: 10.369 ug/l m

RT: 5.42 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VU037151.D

Acq: 10 Mar 2020 14:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 56 Resp: 80606

Ion Ratio Lower Upper

56 100

69 29.5 26.2 39.2

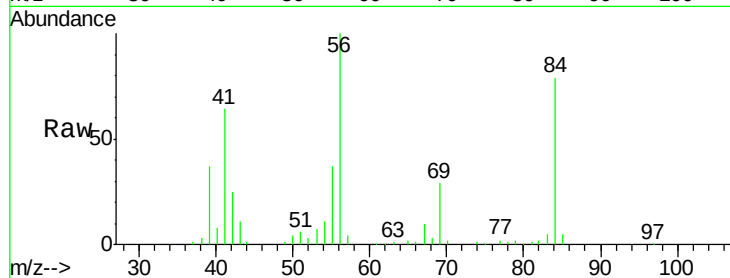
84 78.1 72.8 109.2

Manual Integrations

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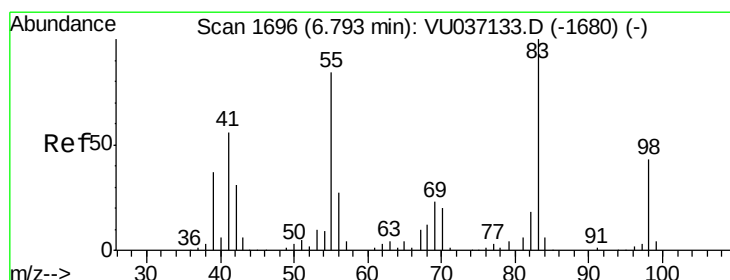
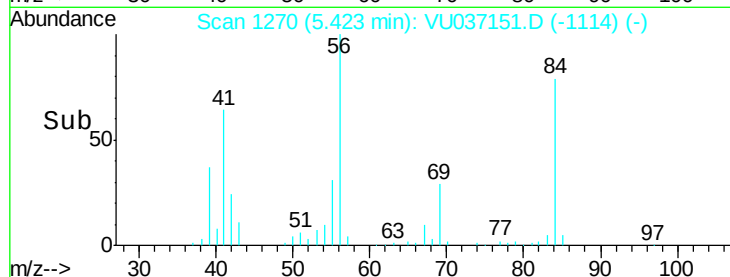
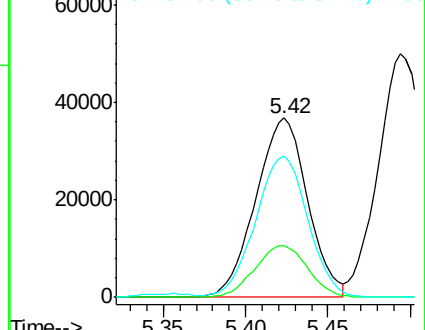
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Abundance Ion 56.00 (55.70 to 56.70): VU037151.D (-1114) (-)

Ion 69.00 (68.70 to 69.70): VU037151.D (-1114) (-)

Ion 84.00 (83.70 to 84.70): VU037151.D (-1114) (-)



#20

Methylcyclohexane

Concen: 10.534 ug/l

RT: 6.79 min Scan# 1696

Delta R.T. -0.00 min

Lab File: VU037151.D

Acq: 10 Mar 2020 14:08

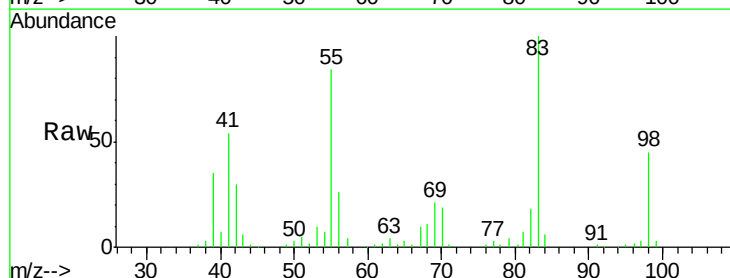
Tgt Ion: 83 Resp: 80885

Ion Ratio Lower Upper

83 100

55 85.5 56.6 85.0#

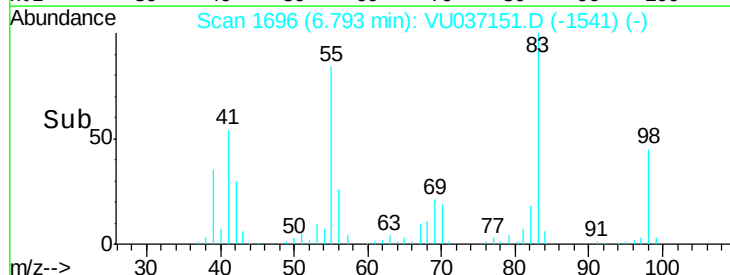
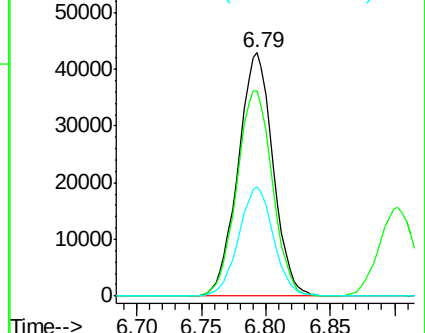
98 44.6 37.5 56.3

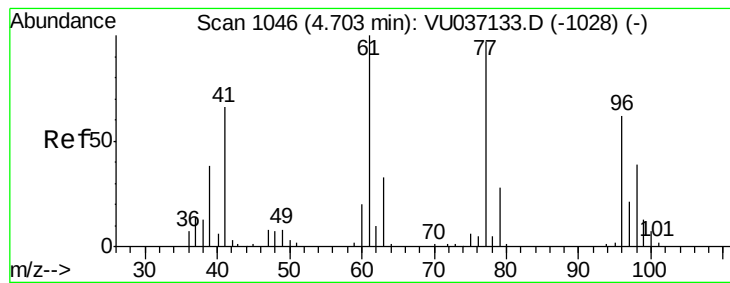


Abundance Ion 83.00 (82.70 to 83.70): VU037151.D (-1541) (-)

Ion 55.00 (54.70 to 55.70): VU037151.D (-1541) (-)

Ion 98.00 (97.70 to 98.70): VU037151.D (-1541) (-)





#21

2,2-Dichloropropane

Concen: 10.093 ug/l

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU037151.D

Acq: 10 Mar 2020 14:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 77 Resp: 84064

Ion Ratio Lower Upper

77 100

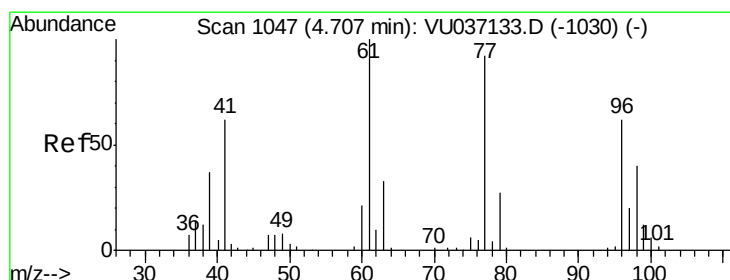
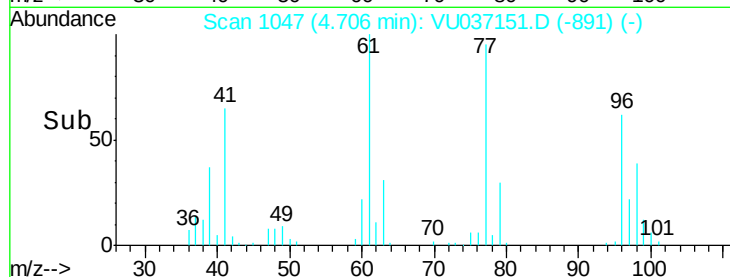
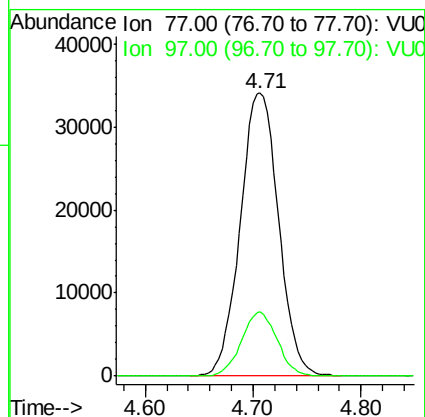
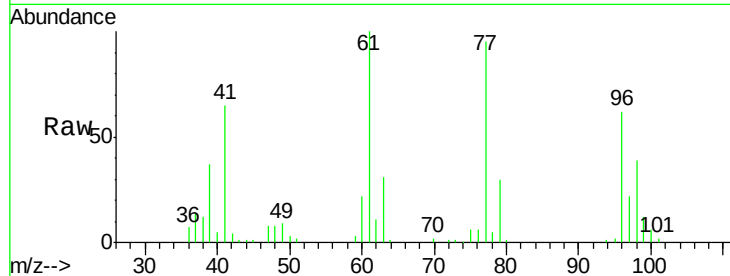
97 21.3 19.0 28.4

Manual Integrations

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#22

cis-1,2-Dichloroethene

Concen: 10.373 ug/l

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU037151.D

Acq: 10 Mar 2020 14:08

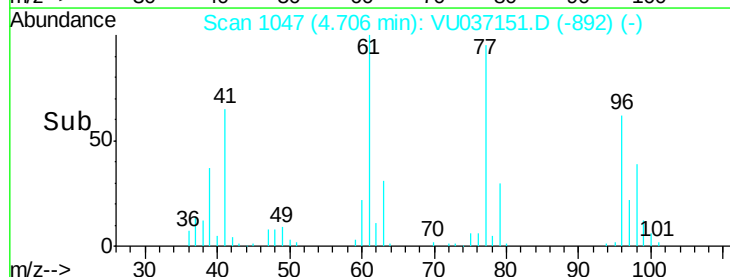
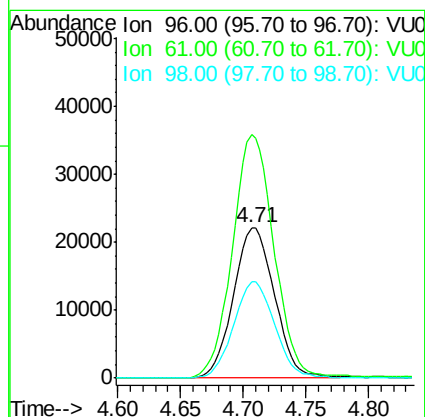
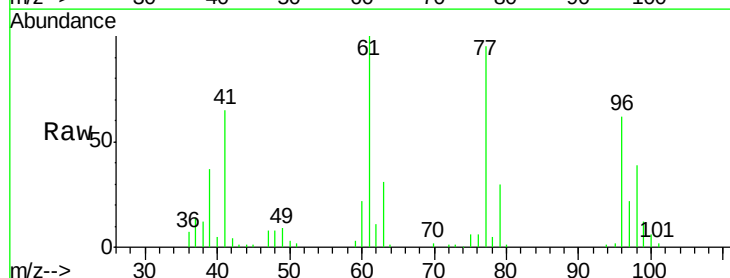
Tgt Ion: 96 Resp: 50588

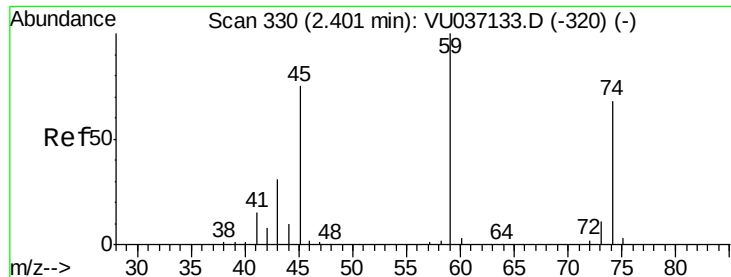
Ion Ratio Lower Upper

96 100

61 163.8 0.0 342.0

98 64.0 32.0 96.0





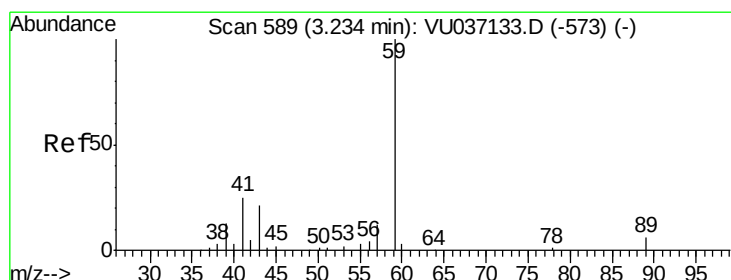
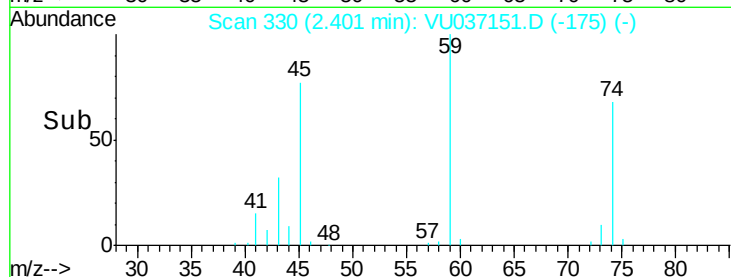
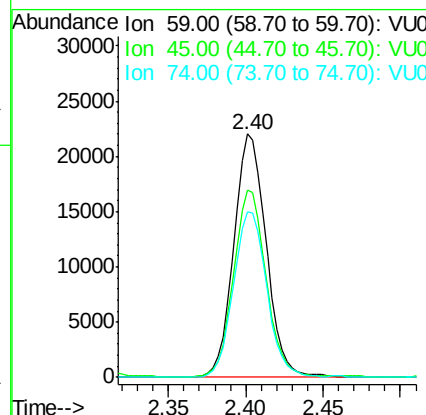
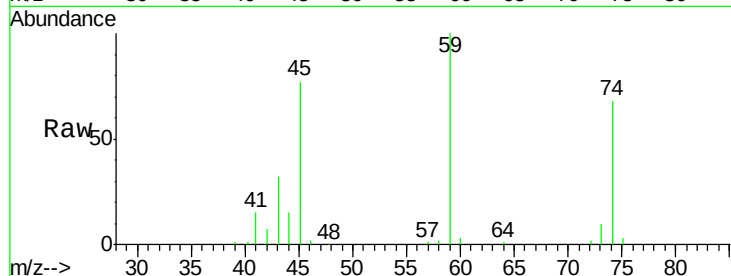
#23
Diethyl Ether
Concen: 10.140 ug/l
RT: 2.40 min Scan# 330
Delta R.T. -0.00 min
Lab File: VU037151.D
Acq: 10 Mar 2020 14:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
59	100		
45	77.2	52.4	78.6
74	70.0	62.1	93.1

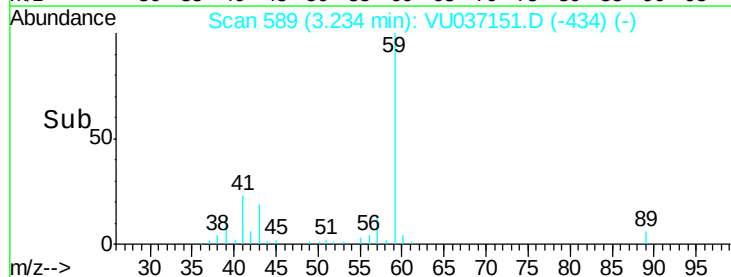
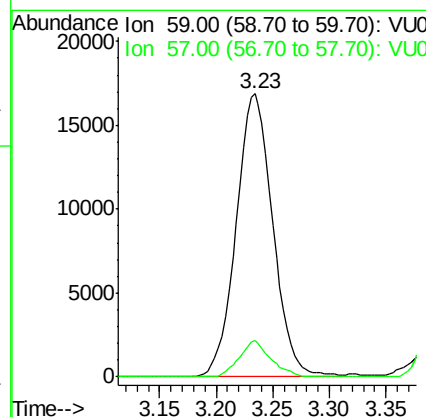
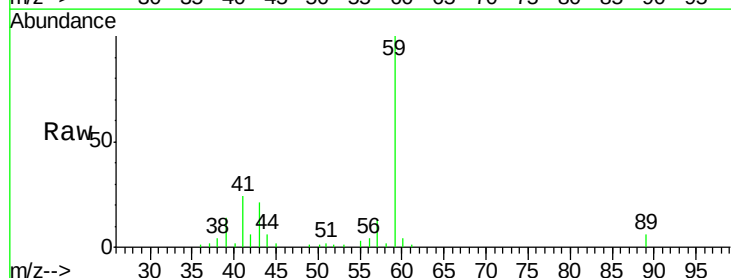
Manual Integrations
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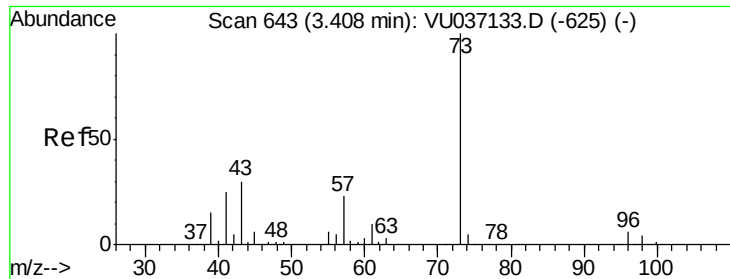
sam
3/11/2020 3:32:27 PM



#24
tert-Butyl Alcohol
Concen: 110.876 ug/l
RT: 3.23 min Scan# 589
Delta R.T. -0.00 min
Lab File: VU037151.D
Acq: 10 Mar 2020 14:08

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.4	12.6





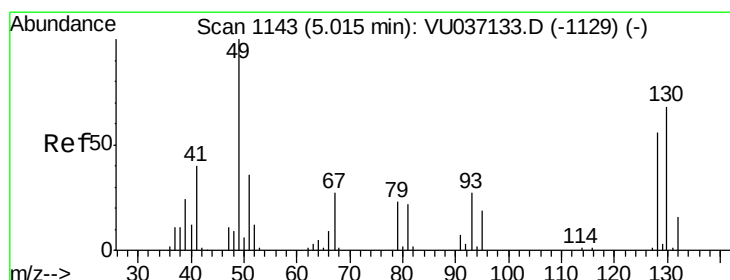
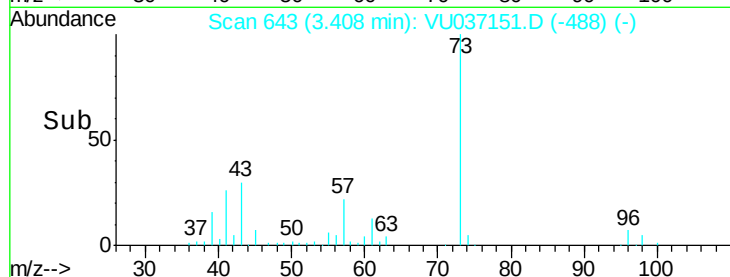
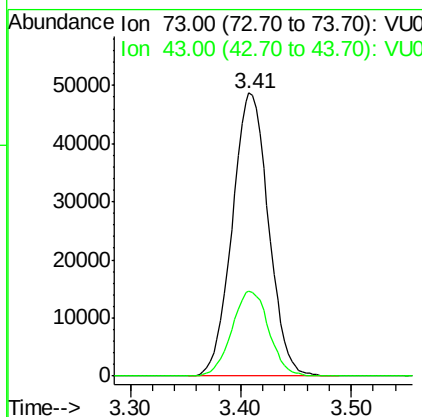
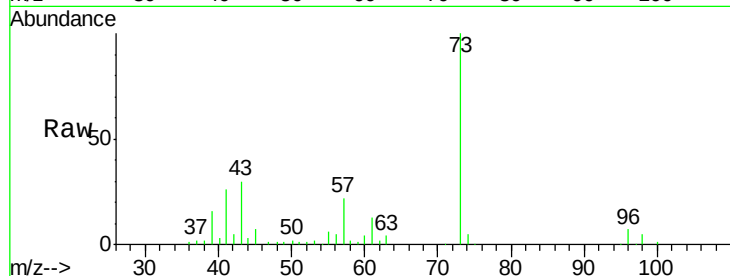
#25
Methyl tert-Butyl Ether
Concen: 10.216 ug/l
RT: 3.41 min Scan# 643
Delta R.T. -0.00 min
Lab File: VU037151.D
Acq: 10 Mar 2020 14:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion: 73 Resp: 110985
Ion Ratio Lower Upper
73 100
43 30.7 14.5 21.7#

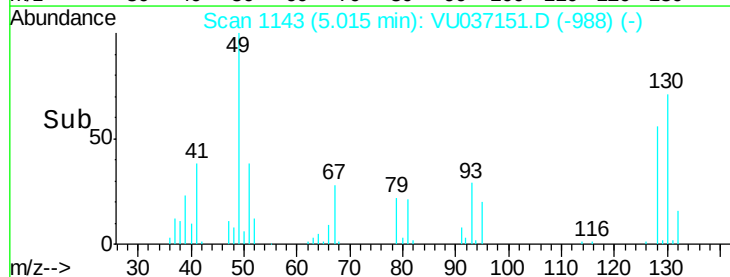
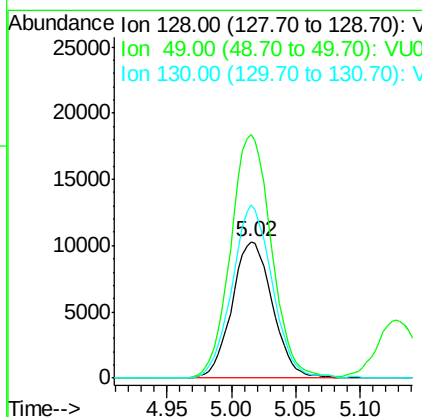
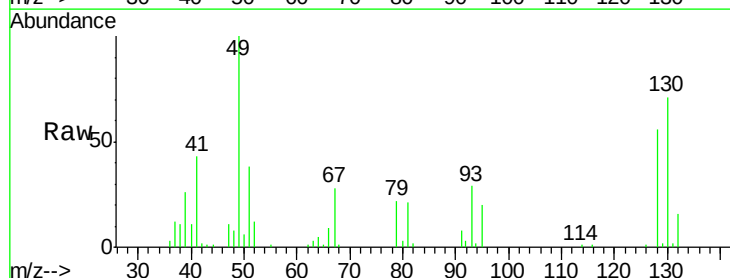
Manual Integrations
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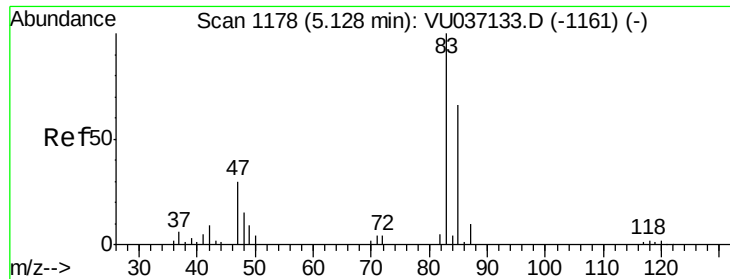
sam
3/11/2020 3:32:27 PM



#26
Bromochloromethane
Concen: 10.476 ug/l
RT: 5.02 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VU037151.D
Acq: 10 Mar 2020 14:08

Tgt Ion: 128 Resp: 22487
Ion Ratio Lower Upper
128 100
49 179.9 0.0 286.2
130 125.5 104.3 156.5





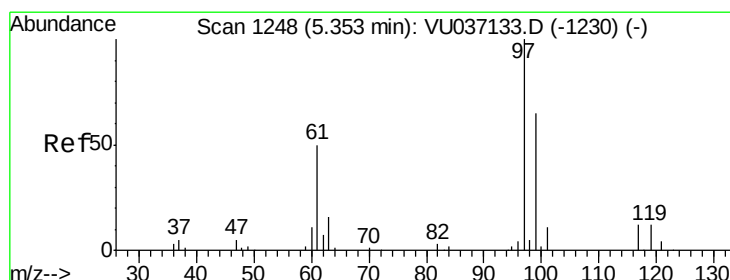
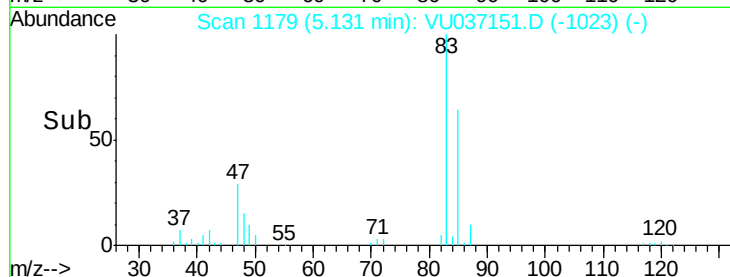
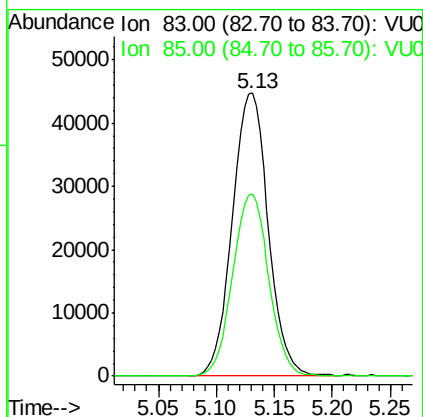
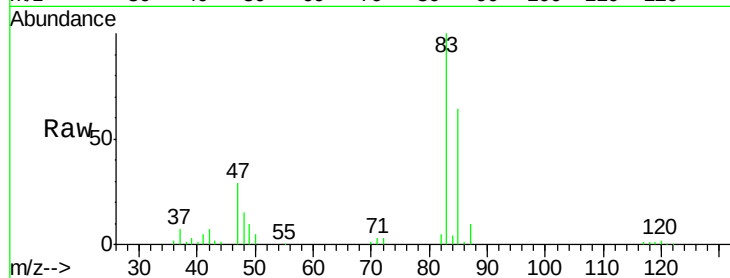
#27
Chloroform
Concen: 9.795 ug/l
RT: 5.13 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU037151.D
Acq: 10 Mar 2020 14:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	83	Resp	96283
Ion Ratio	100	Lower	Upper
83	100		
85	64.3	0.0	129.0

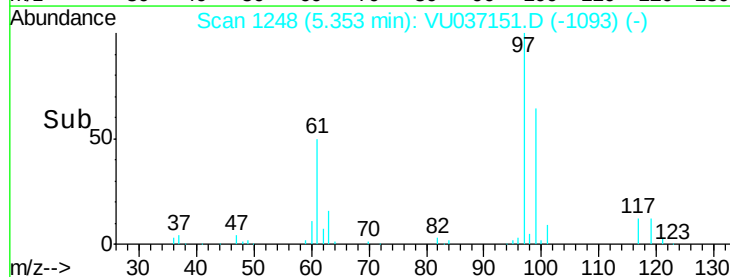
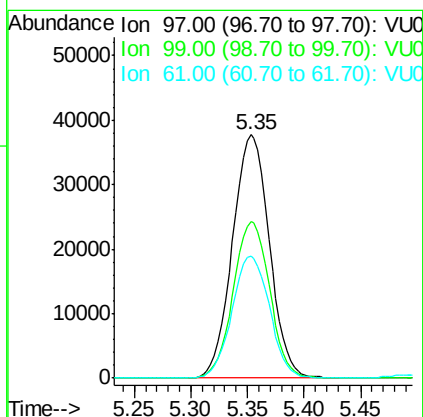
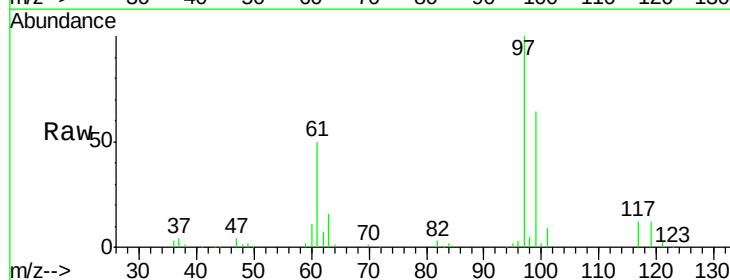
Manual Integrations
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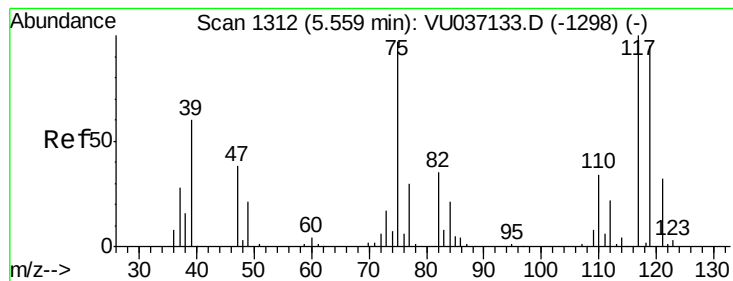
sam
3/11/2020 3:32:27 PM



#28
1,1,1-Trichloroethane
Concen: 10.235 ug/l
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU037151.D
Acq: 10 Mar 2020 14:08

Tgt Ion	97	Resp	85764
Ion Ratio	100	Lower	Upper
97	100		
99	63.4	32.1	96.3
61	51.0	22.7	68.0





#29

1,1-Dichloropropene

Concen: 10.254 ug/l

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037151.D

Acq: 10 Mar 2020 14:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 75 Resp: 69824

Ion Ratio Lower Upper

75 100

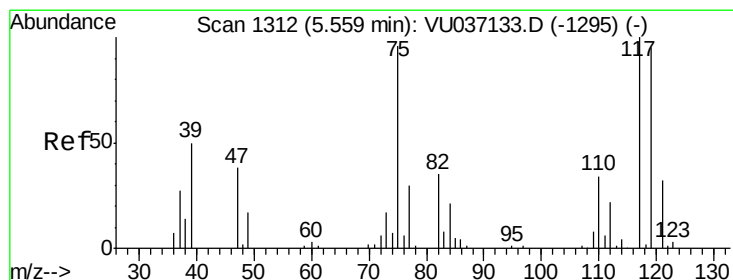
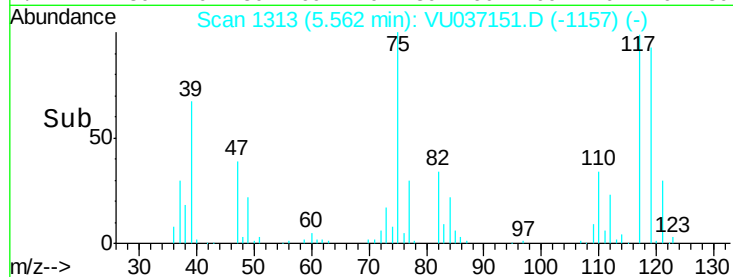
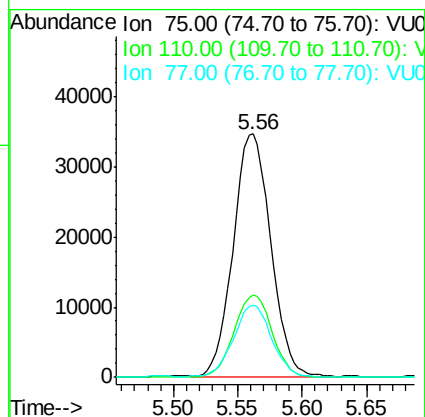
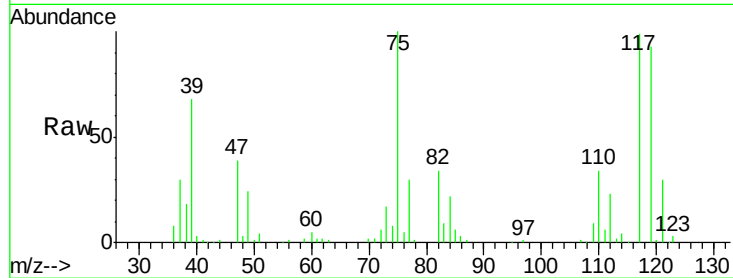
110 34.5 18.6 55.8

77 30.8 25.0 37.4

Manual Integrations
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sam

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#30

Carbon Tetrachloride

Concen: 10.299 ug/l

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU037151.D

Acq: 10 Mar 2020 14:08

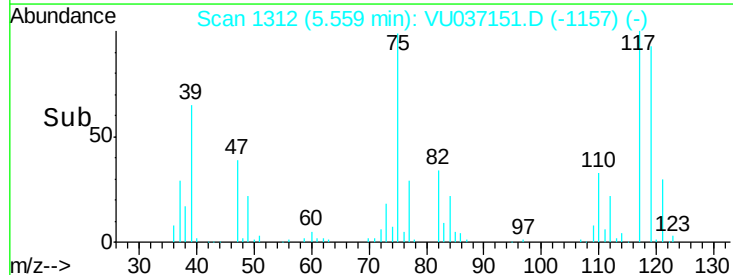
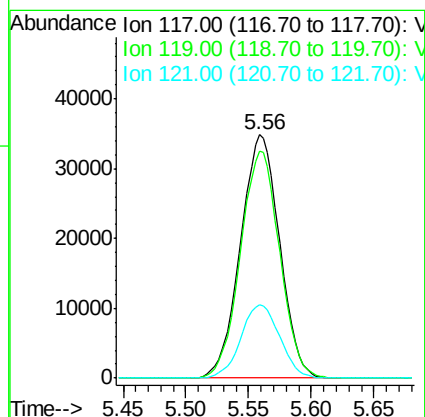
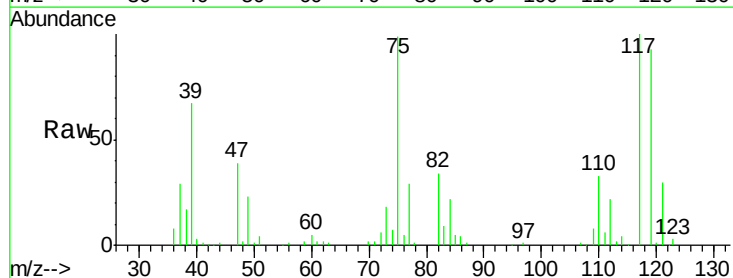
Tgt Ion: 117 Resp: 75521

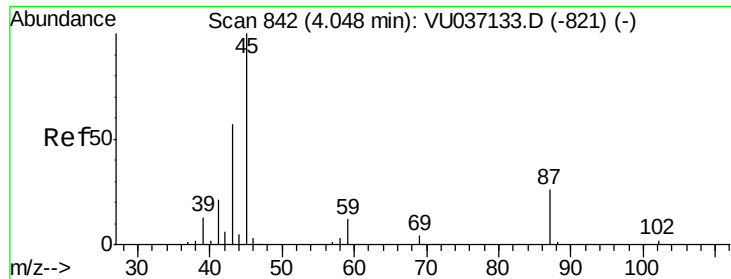
Ion Ratio Lower Upper

117 100

119 93.3 77.0 115.6

121 29.9 23.3 34.9





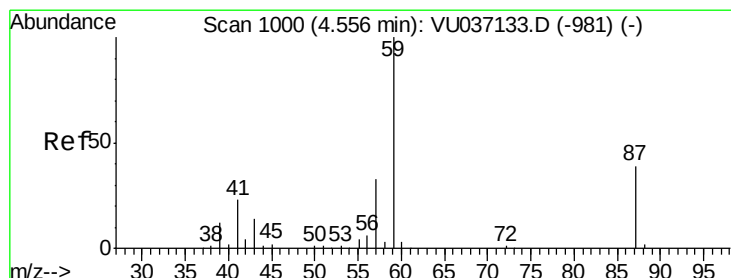
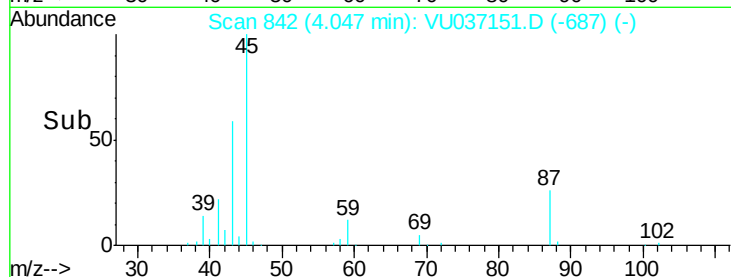
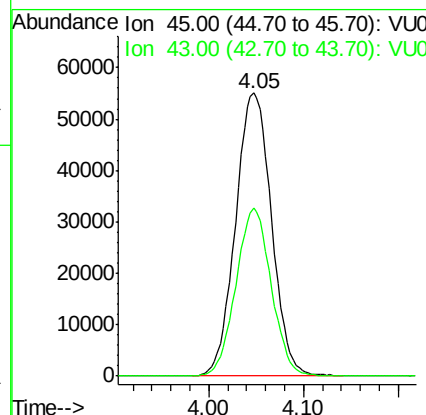
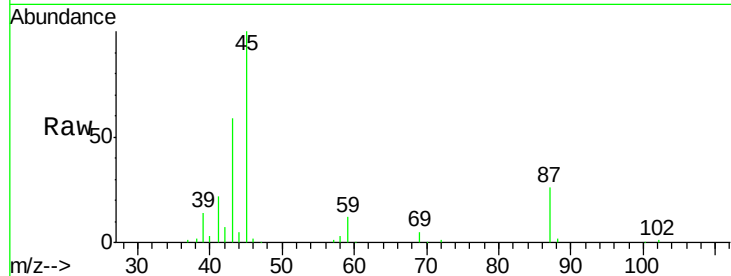
#31
Isopropyl Ether
Concen: 9.977 ug/l
RT: 4.05 min Scan# 842
Delta R.T. -0.00 min
Lab File: VU037151.D
Acq: 10 Mar 2020 14:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
45	100		
43	58.4	24.0	72.0

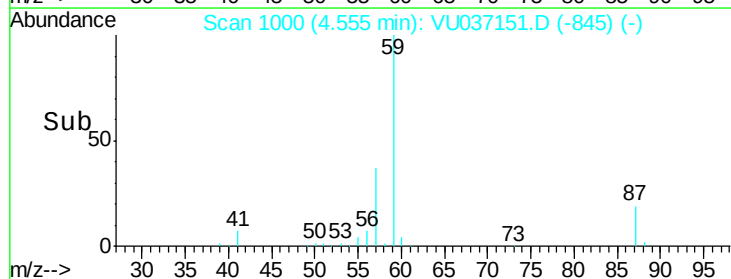
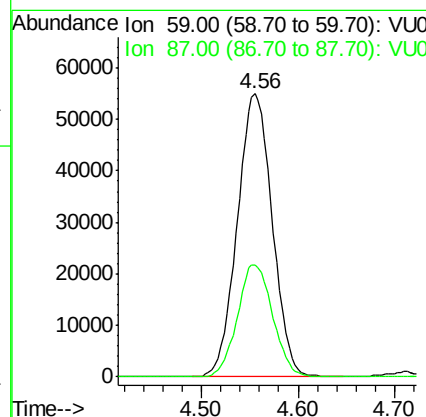
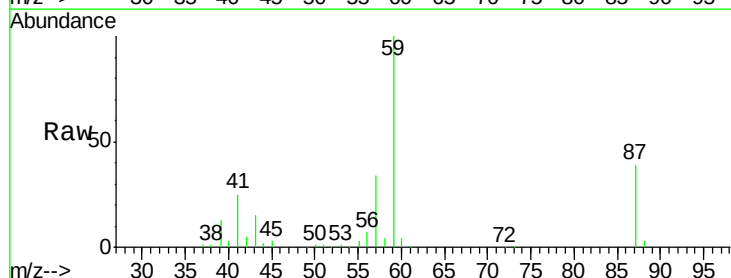
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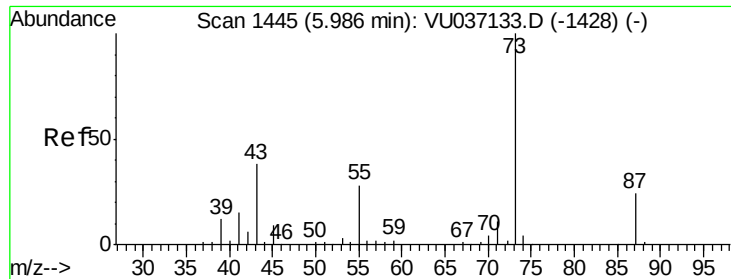
sam
3/11/2020 3:32:27 PM



#32
Ethyl-t-butyl ether
Concen: 10.028 ug/l
RT: 4.56 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VU037151.D
Acq: 10 Mar 2020 14:08

Tgt Ion	Ratio	Lower	Upper
59	100		
87	39.9	35.1	52.7





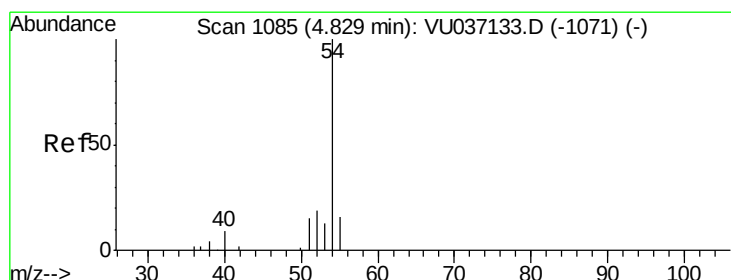
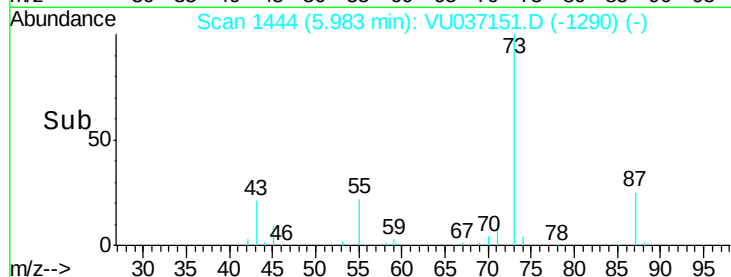
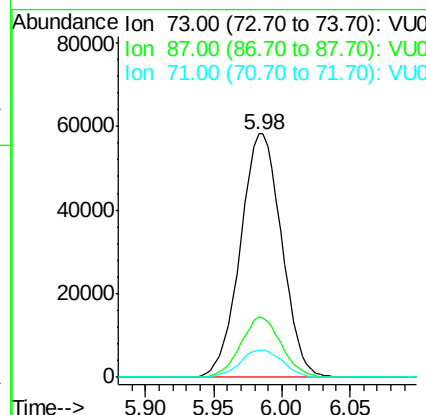
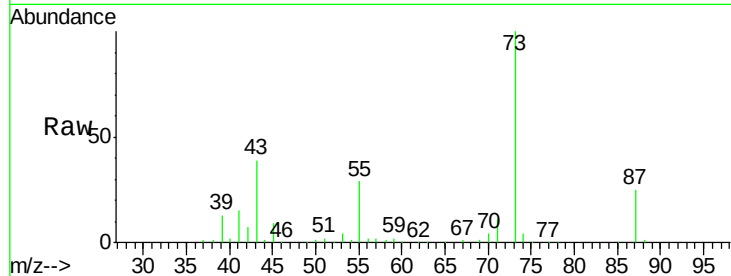
#33
Tert-Butyl methyl ether
Concen: 10.316 ug/l
RT: 5.98 min Scan# 1444
Delta R.T. -0.00 min
Lab File: VU037151.D
Acq: 10 Mar 2020 14:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
73	100		
87	24.4	19.8	29.6
71	11.7	9.1	13.7

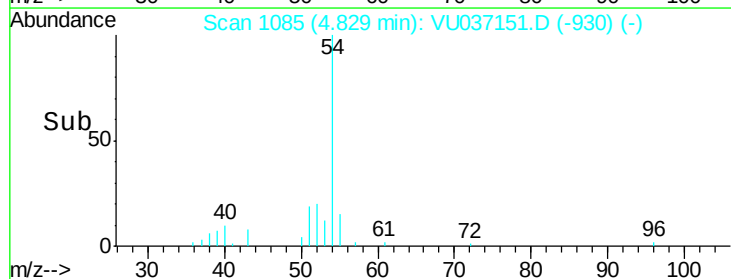
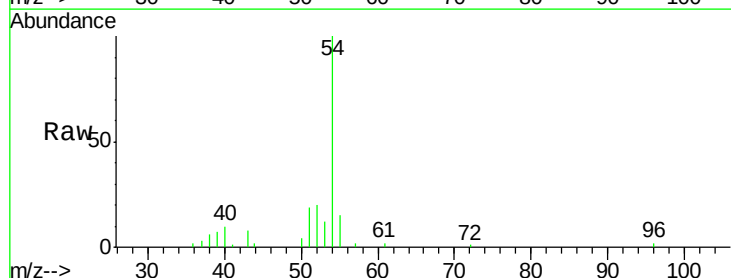
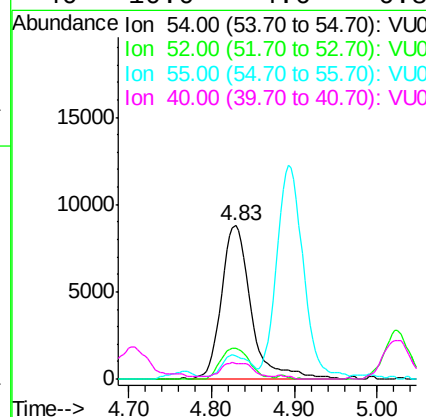
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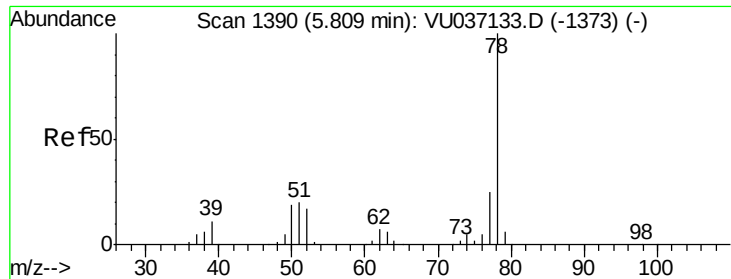
sam
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#34
Propionitrile
Concen: 55.613 ug/l
RT: 4.83 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VU037151.D
Acq: 10 Mar 2020 14:08

Tgt Ion	Ratio	Lower	Upper
54	100		
52	19.6	15.2	22.8
55	13.7	9.5	14.3
40	10.0	4.6	6.8





#35

Benzene

Concen: 10.181 ug/l

RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU037151.D

Acq: 10 Mar 2020 14:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 78 Resp: 196947

Ion Ratio Lower Upper

78 100

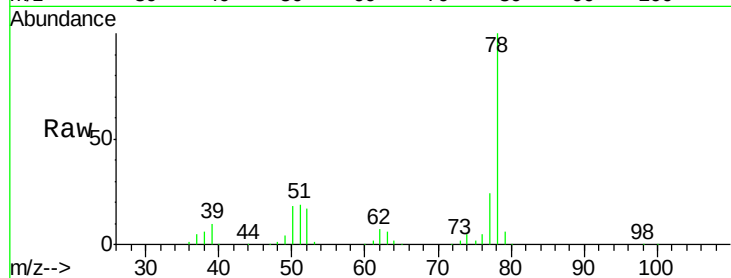
77 24.1 19.4 29.0

Manual Integrations

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Abundance Ion 78.10 (77.80 to 78.80): VU037151.D (-1235) (-)

Ion 77.00 (76.70 to 77.70): VU037151.D (-1235) (-)

5.81

100000

80000

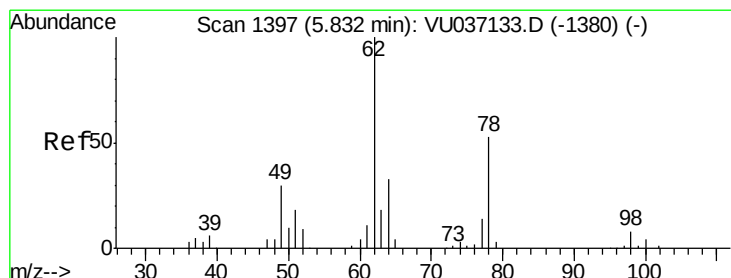
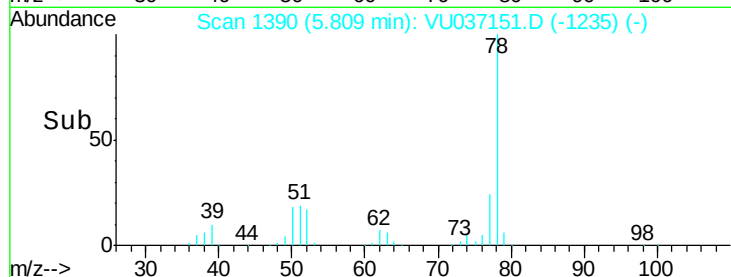
60000

40000

20000

0

Time--> 5.70 5.80 5.90



#36

1,2-Dichloroethane

Concen: 9.826 ug/l

RT: 5.83 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VU037151.D

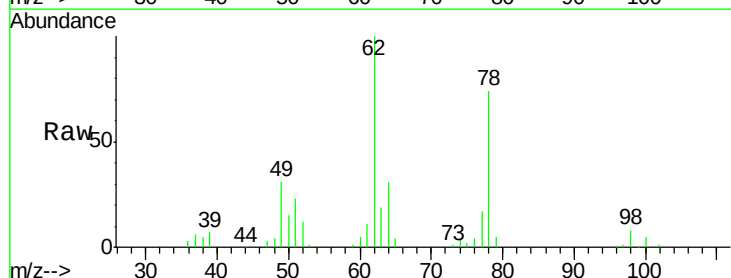
Acq: 10 Mar 2020 14:08

Tgt Ion: 62 Resp: 68905

Ion Ratio Lower Upper

62 100

98 7.3 7.8 11.8#



Abundance Ion 62.00 (61.70 to 62.70): VU037151.D (-1242) (-)

Ion 98.00 (97.70 to 98.70): VU037151.D (-1242) (-)

5.83

40000

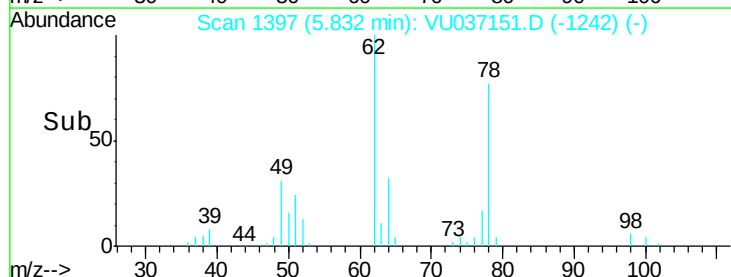
30000

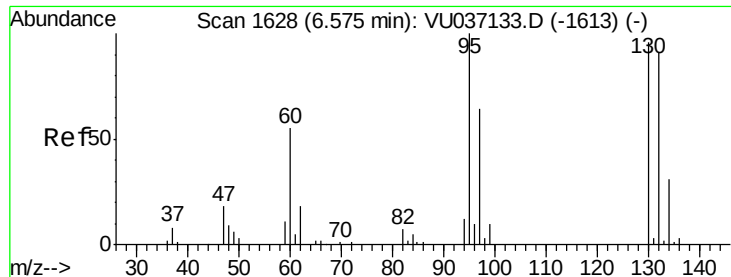
20000

10000

0

Time--> 5.75 5.80 5.85 5.90





#37

Trichloroethene

Concen: 9.766 ug/l

RT: 6.57 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VU037151.D

Acq: 10 Mar 2020 14:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:130 Resp: 49573

Ion Ratio Lower Upper

130 100

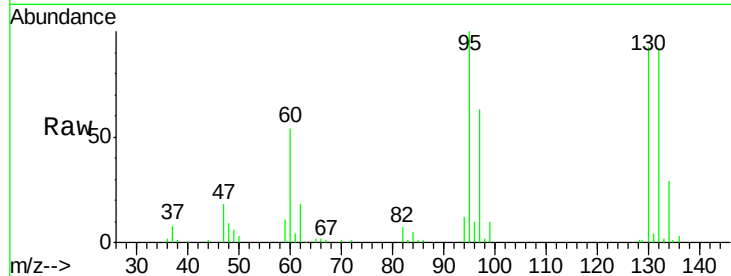
95 107.8 77.0 115.4

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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

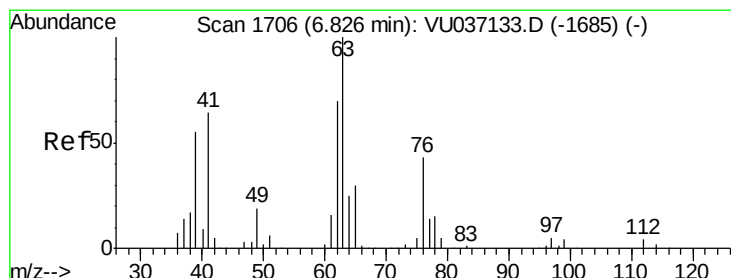
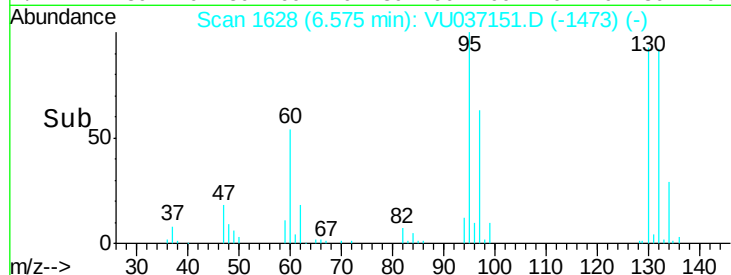
30000

20000

10000

0

Time-->



#38

1,2-Dichloropropane

Concen: 9.930 ug/l

RT: 6.83 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VU037151.D

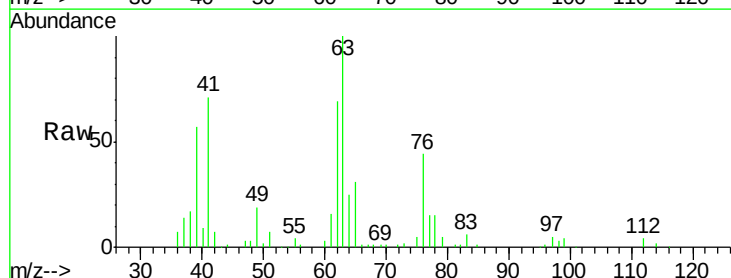
Acq: 10 Mar 2020 14:08

Tgt Ion: 63 Resp: 52726

Ion Ratio Lower Upper

63 100

65 31.2 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

30000

25000

20000

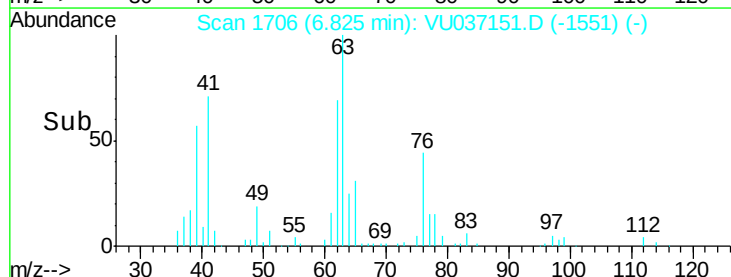
15000

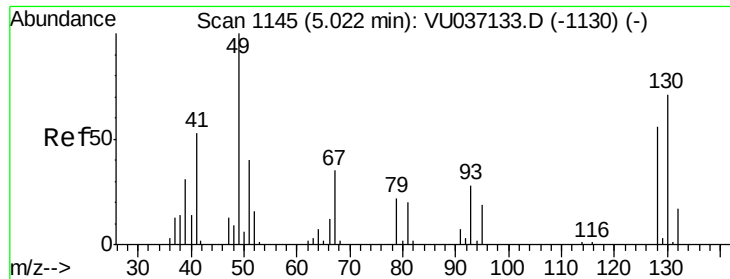
10000

5000

0

Time-->





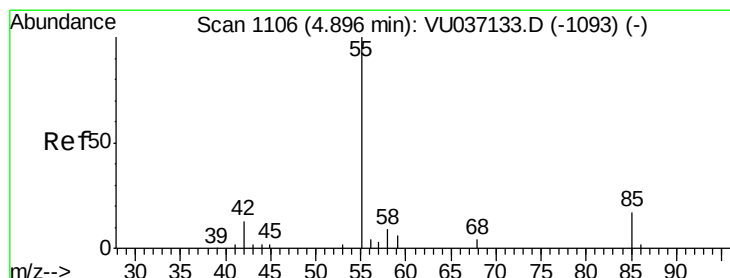
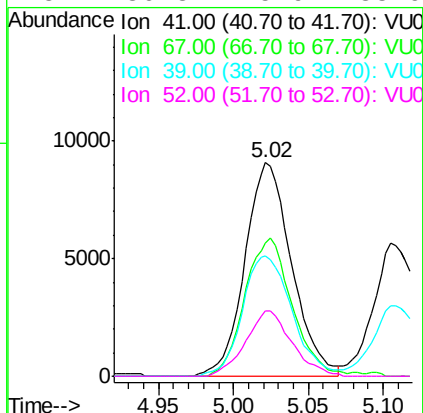
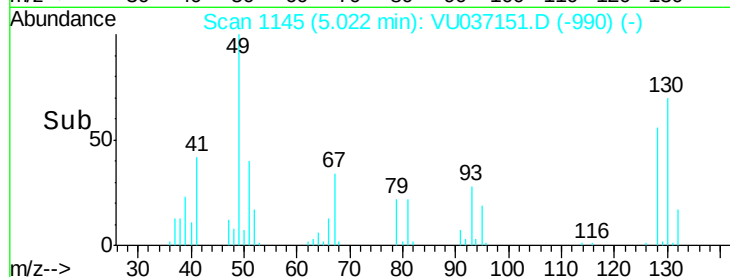
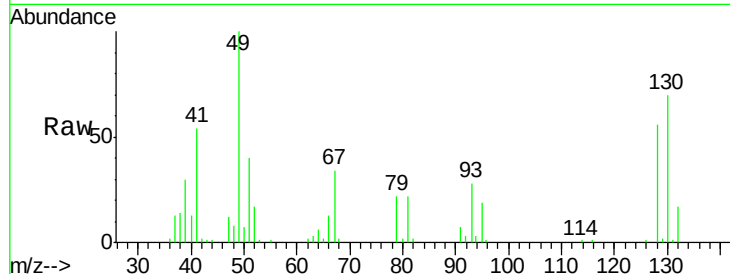
#39
Methacrylonitrile
Concen: 10.429 ug/l
RT: 5.02 min Scan# 1145
Delta R.T. -0.00 min
Lab File: VU037151.D
Acq: 10 Mar 2020 14:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
67	65.3	69.6	104.4#
39	59.8	41.6	62.4
52	30.3	25.9	38.9

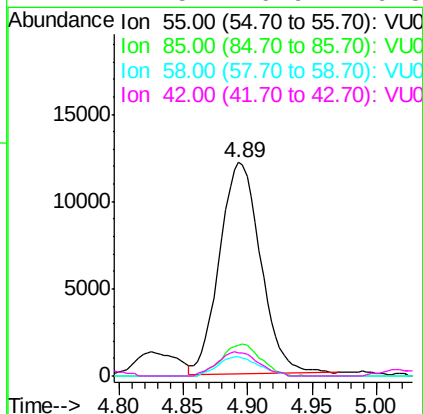
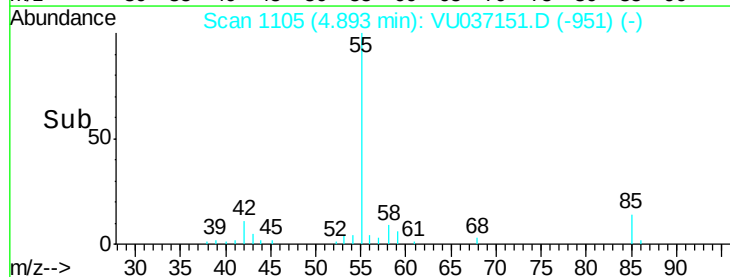
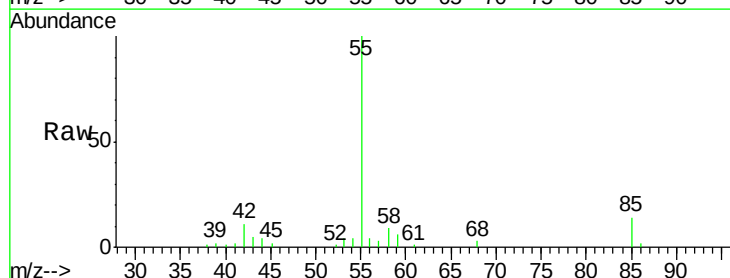
Manual Integrations
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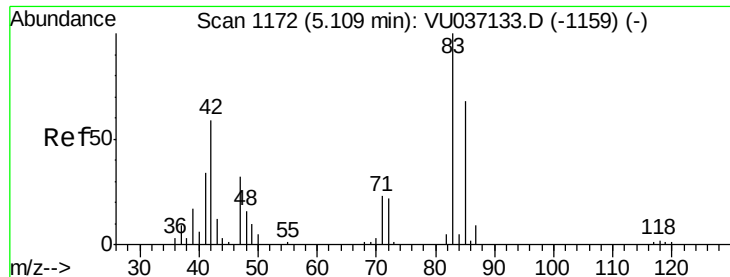
sam
3/11/2020 3:32:27 PM



#40
Methyl acrylate
Concen: 10.264 ug/l
RT: 4.89 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VU037151.D
Acq: 10 Mar 2020 14:08

Tgt Ion	Ratio	Lower	Upper
55	100		
85	14.3	14.7	22.1#
58	9.0	7.1	10.7
42	11.5	6.9	10.3#





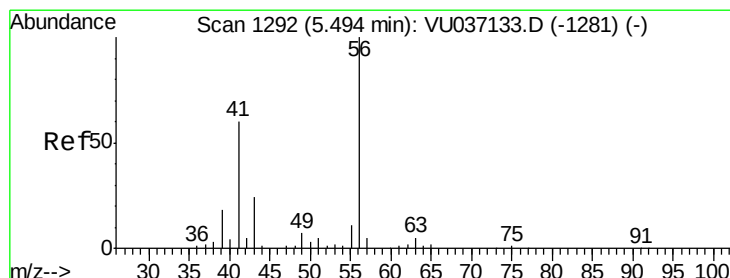
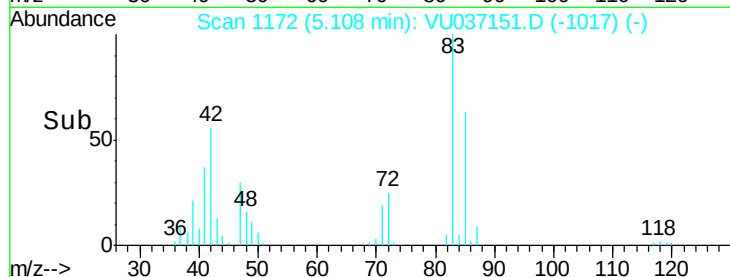
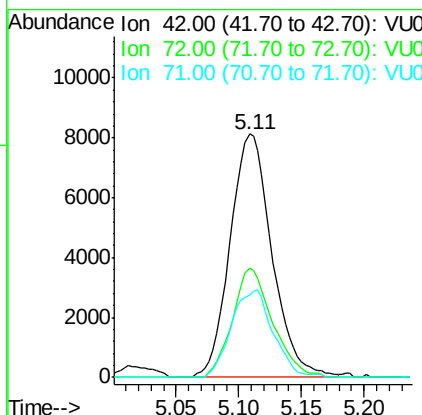
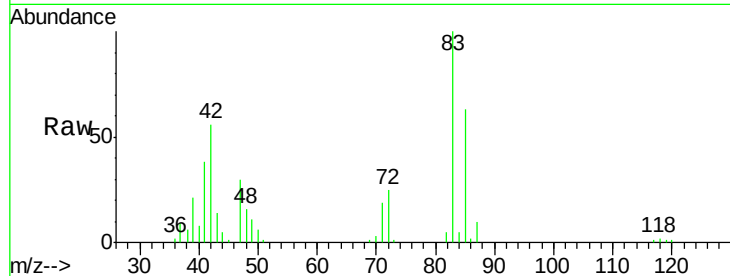
#41
Tetrahydrofuran
Concen: 20.000 ug/l
RT: 5.11 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VU037151.D
Acq: 10 Mar 2020 14:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.9	42.5	63.7
71	35.6	37.3	55.9#

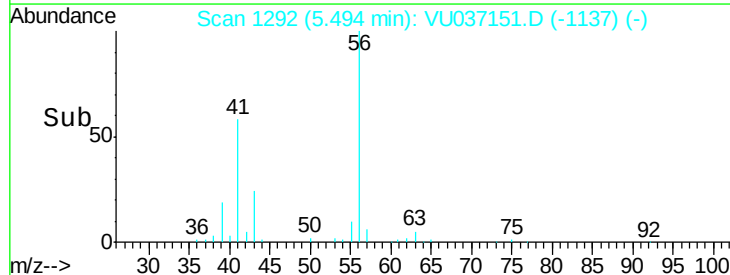
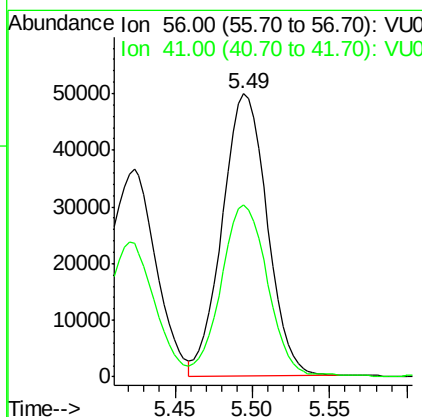
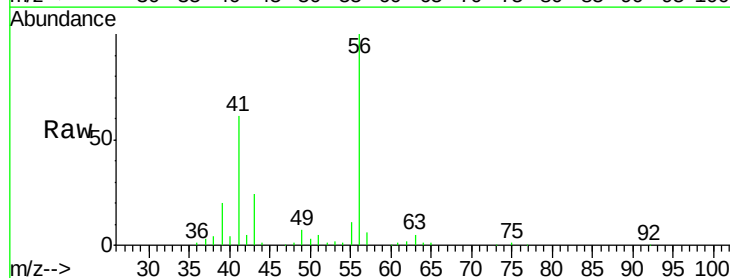
Manual Integrations
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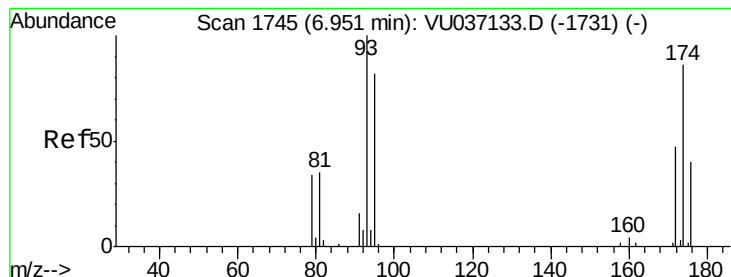
sam
3/11/2020 3:32:27 PM



#42
1-Chlorobutane
Concen: 10.208 ug/l
RT: 5.49 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VU037151.D
Acq: 10 Mar 2020 14:08

Tgt Ion	Ratio	Lower	Upper
56	100		
41	63.7	24.8	74.3





#43

Dibromomethane

Concen: 10.433 ug/l

RT: 6.95 min Scan# 1745

Delta R.T. -0.00 min

Lab File: VU037151.D

Acq: 10 Mar 2020 14:08

Instrument :

MSVOA_U

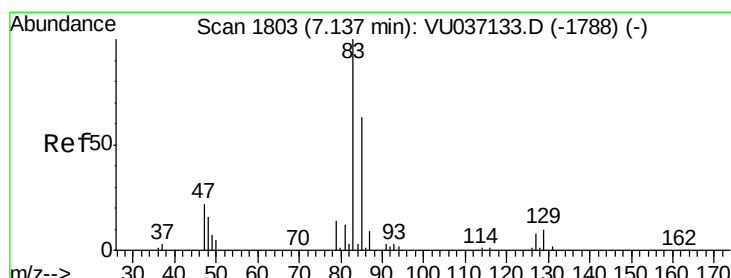
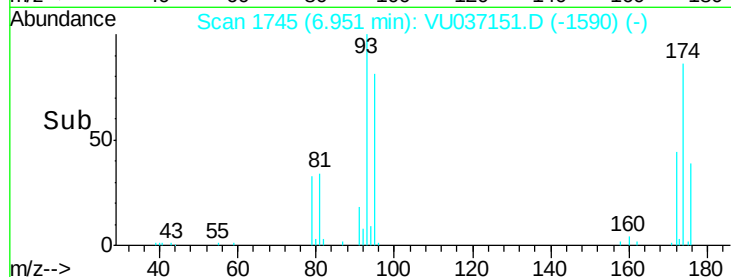
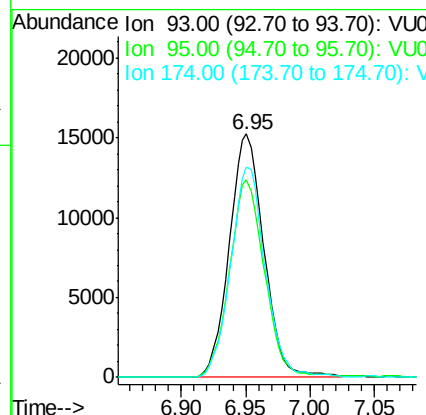
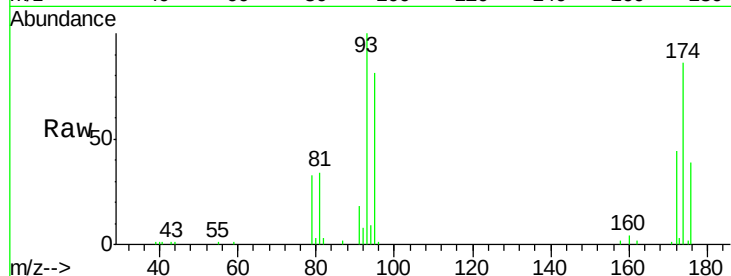
ClientSampleId :

VSTDCCC010EC

Tot Ion:	93	Resp:	28395
Ion	Ratio	Lower	Upper
93	100		
95	82.1	67.9	101.9
174	86.5	83.4	125.0

Manual Integrations
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sam
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#44

Bromodichloromethane

Concen: 10.242 ug/l

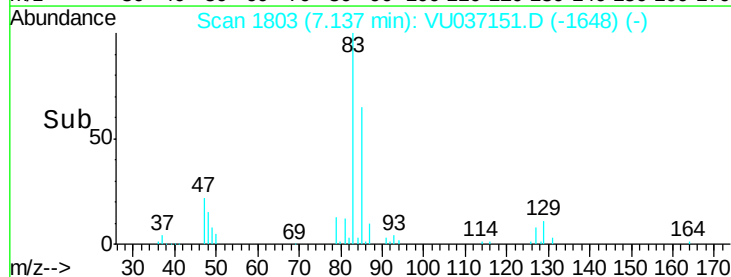
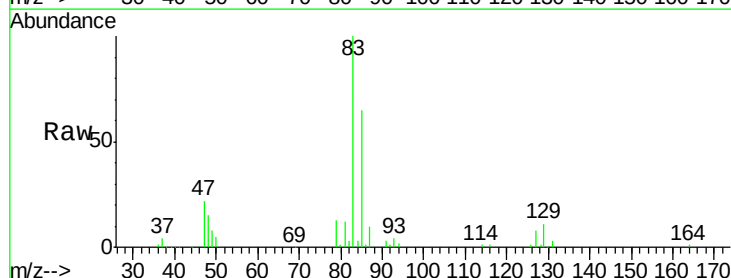
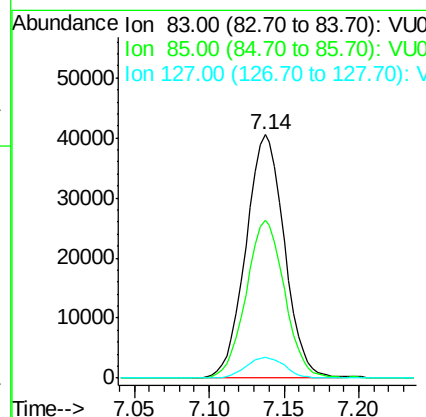
RT: 7.14 min Scan# 1803

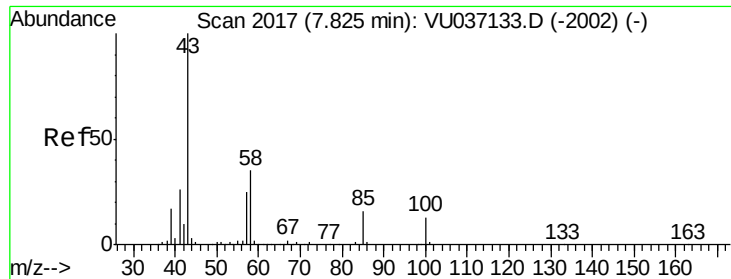
Delta R.T. -0.00 min

Lab File: VU037151.D

Acq: 10 Mar 2020 14:08

Tgt Ion:	83	Resp:	72568
Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.8	77.6
127	8.5	6.8	10.2





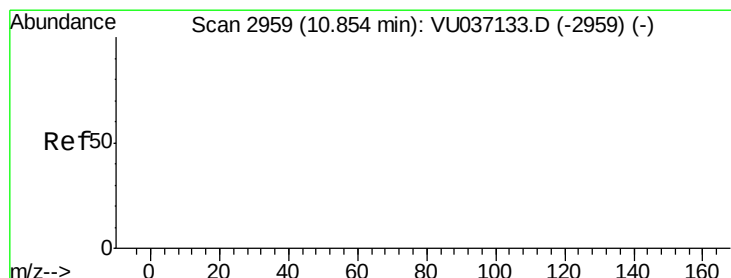
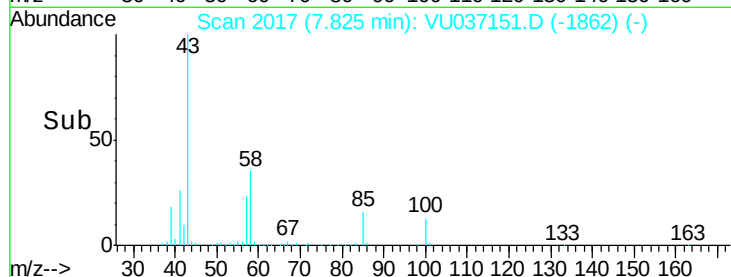
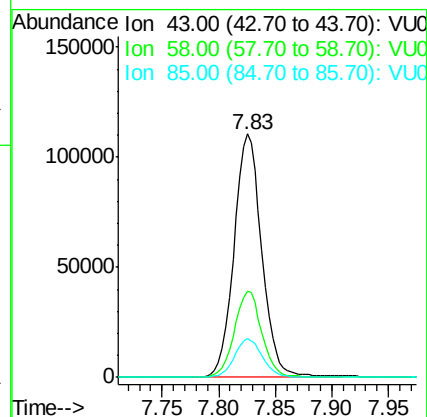
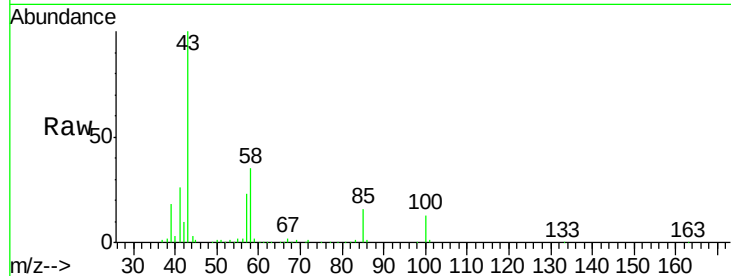
#45
4-Methyl-2-Pentanone
Concen: 51.763 ug/l
RT: 7.83 min Scan# 2017
Delta R.T. -0.00 min
Lab File: VU037151.D
Acq: 10 Mar 2020 14:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.0	22.1	66.1
85	15.9	17.4	26.0#

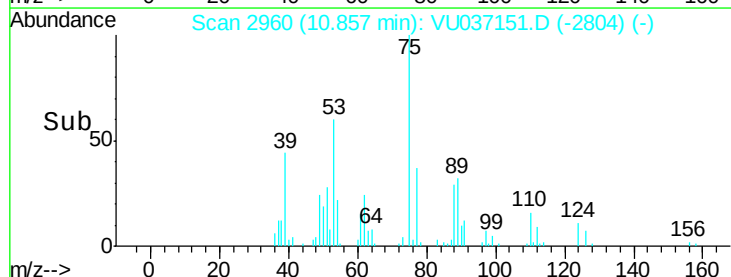
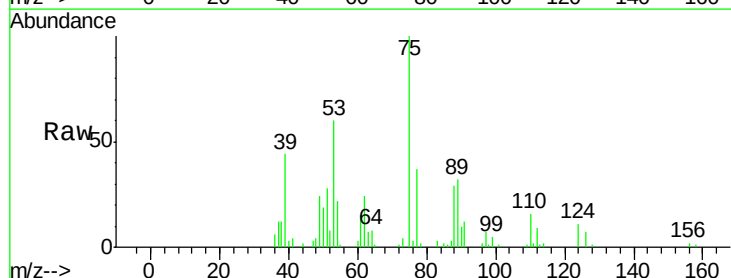
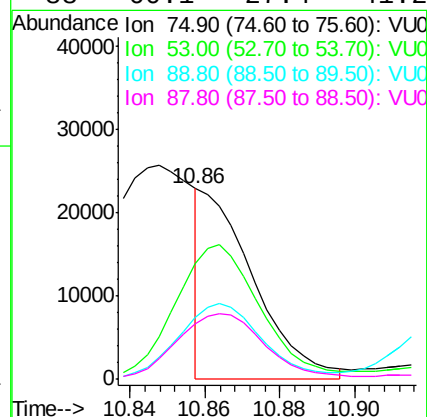
Manual Integrations
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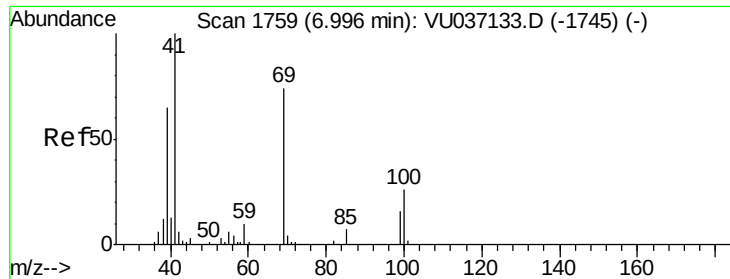
sam
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#46
t-1,4-Dichloro-2-butene
Concen: 21.932 ug/l m
RT: 10.86 min Scan# 2960
Delta R.T. 0.00 min
Lab File: VU037151.D
Acq: 10 Mar 2020 14:08

Tgt Ion	Ratio	Lower	Upper
75	100		
53	118.4	52.2	78.2#
89	65.2	39.8	59.6#
88	60.1	27.4	41.2#





#47

Methvl methacrylate

Concen: 22.355 ug/l

RT: 7.00 min Scan# 1759

Delta R.T. -0.00 min

Lab File: VU037151.D

Acq: 10 Mar 2020 14:08

Instrument :

MSVOA_U

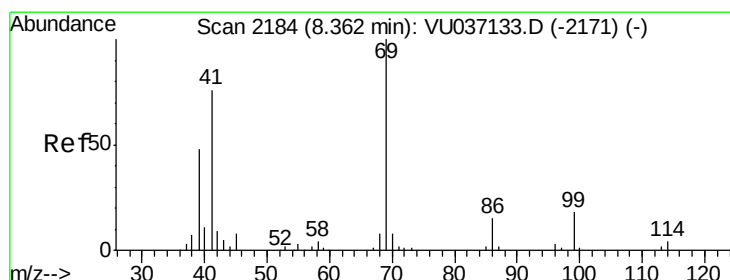
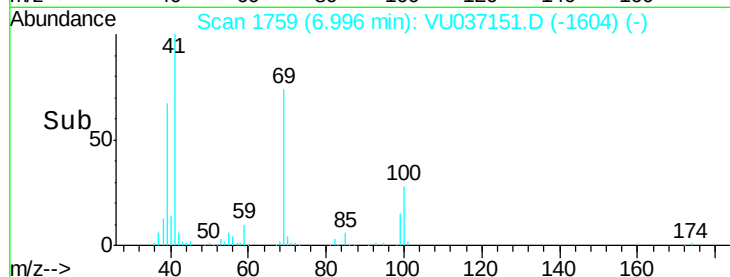
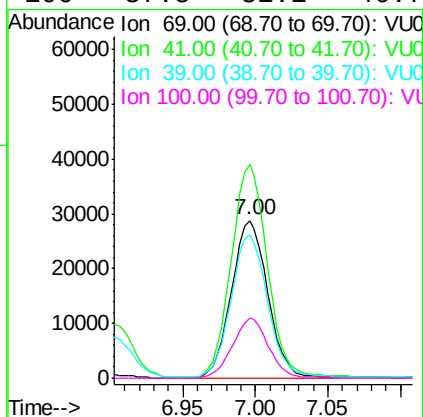
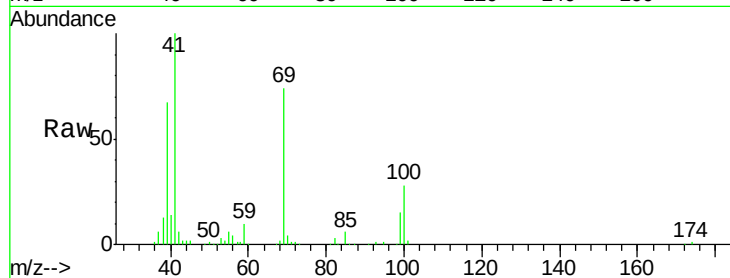
ClientSampleId :

VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	133.2	0.0	200.8	
39	91.2	43.5	65.3	
100	37.5	31.1	46.7	

Manual Integrations
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#48

Ethyl methacrylate

Concen: 10.876 ug/l

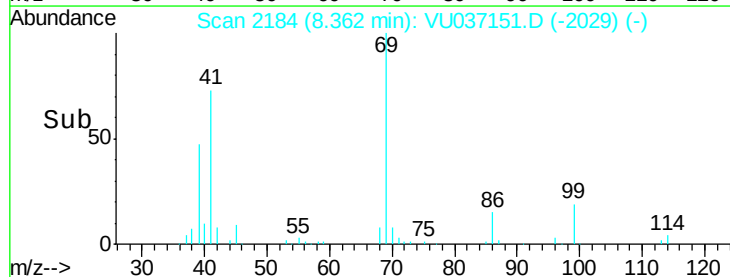
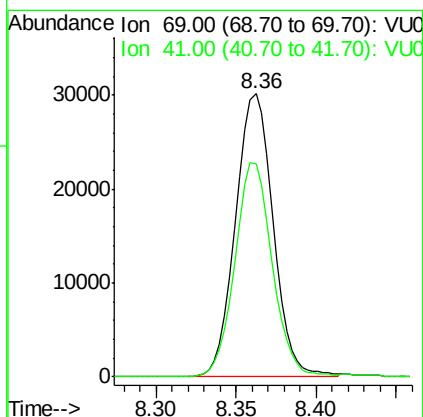
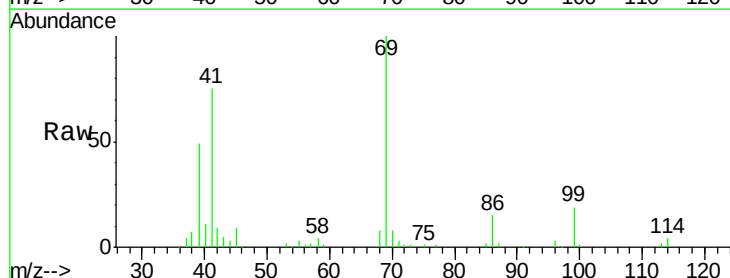
RT: 8.36 min Scan# 2184

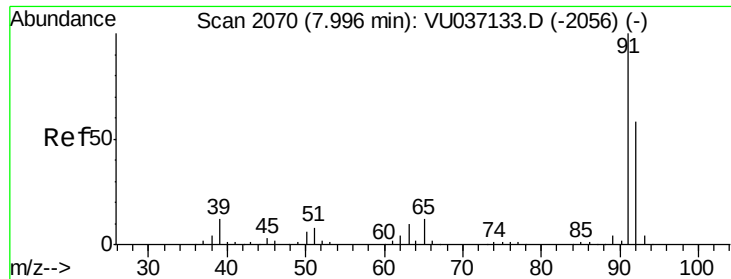
Delta R.T. -0.00 min

Lab File: VU037151.D

Acq: 10 Mar 2020 14:08

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	74.9	27.9	83.6	





#49

Toluene

Concen: 10.695 ug/l

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU037151.D

Acq: 10 Mar 2020 14:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 92 Resp: 124938

Ion Ratio Lower Upper

92 100

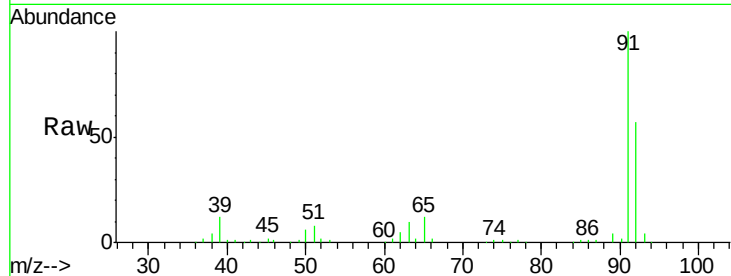
91 175.1 139.1 208.7

Manual Integrations

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Abundance Ion 92.00 (91.70 to 92.70): VU037151.D (-1915) (-)

Ion 91.00 (90.70 to 91.70): VU037151.D (-1915) (-)

150000

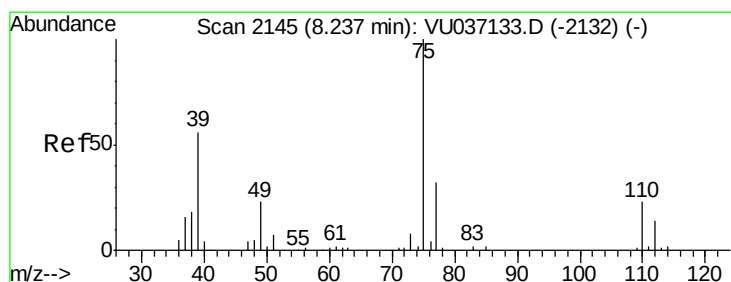
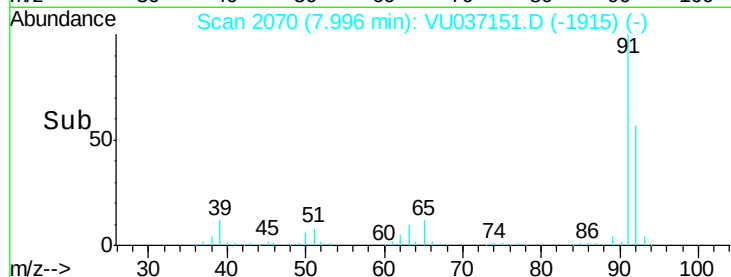
100000

50000

0

8.00

Time-->



#50

t-1,3-Dichloropropene

Concen: 10.713 ug/l

RT: 8.24 min Scan# 2145

Delta R.T. -0.00 min

Lab File: VU037151.D

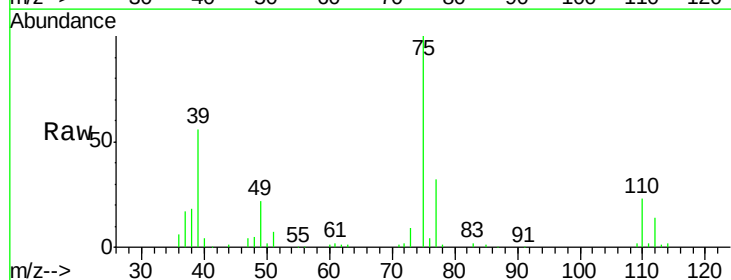
Acq: 10 Mar 2020 14:08

Tgt Ion: 75 Resp: 68380

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU037151.D (-1990) (-)

Ion 77.00 (76.70 to 77.70): VU037151.D (-1990) (-)

40000

30000

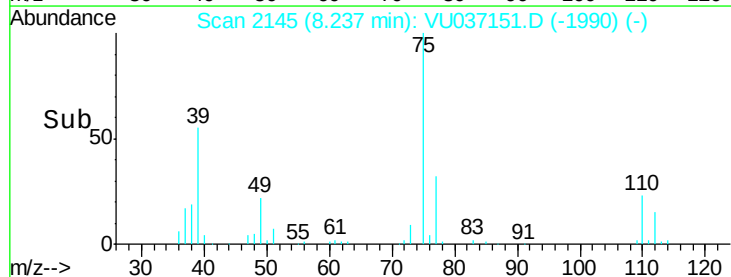
20000

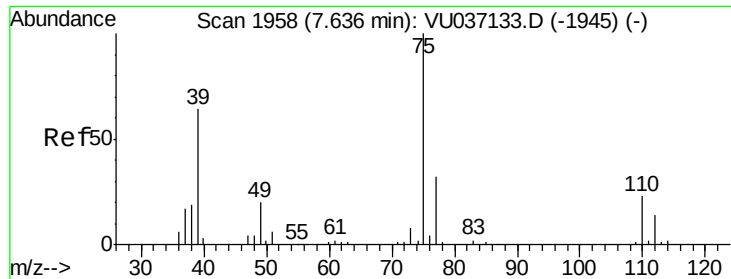
10000

0

8.24

Time-->





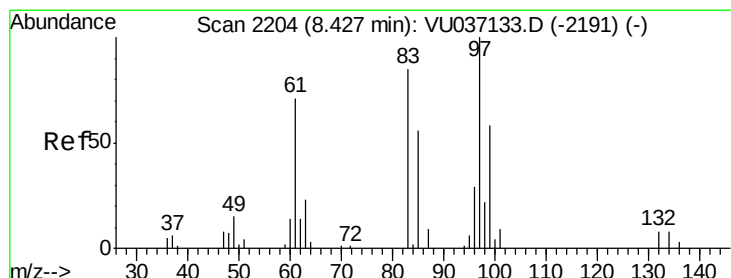
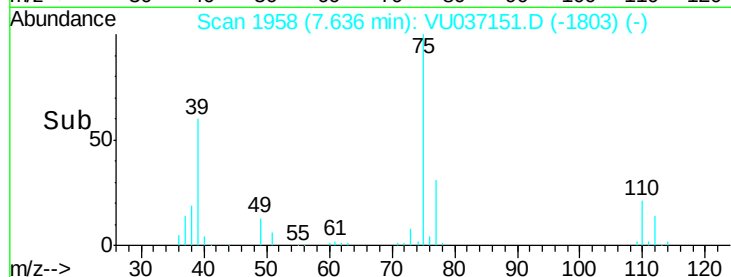
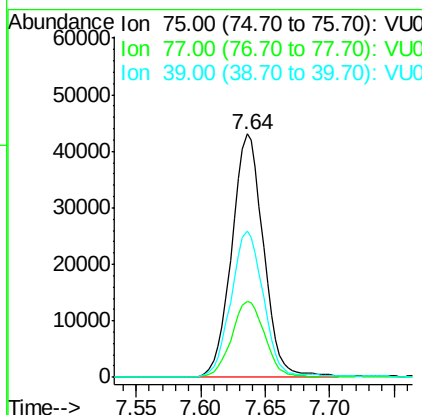
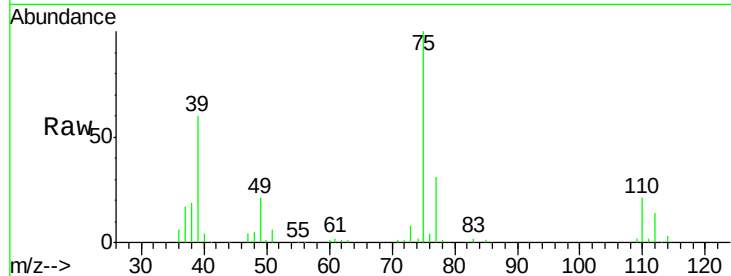
#51
 cis-1,3-Dichloropropene
 Concen: 10.162 ug/l
 RT: 7.64 min Scan# 1958
 Delta R.T. -0.00 min
 Lab File: VU037151.D
 Acq: 10 Mar 2020 14:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.3	37.9
39	60.0	31.8	47.6

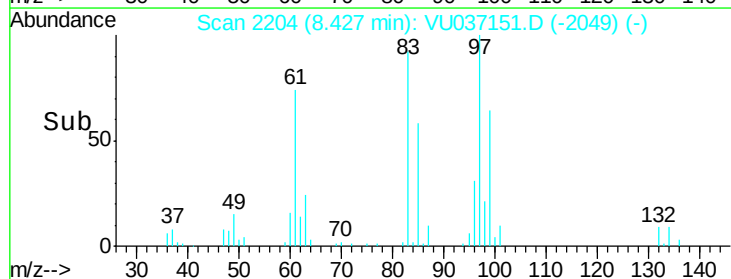
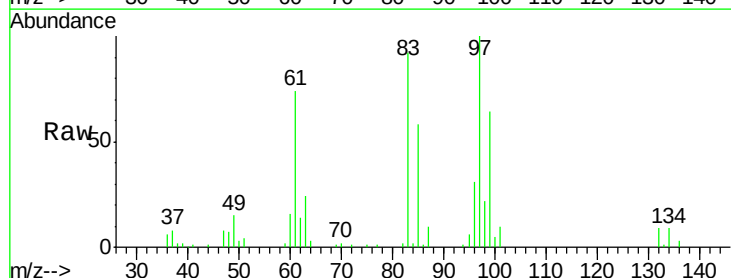
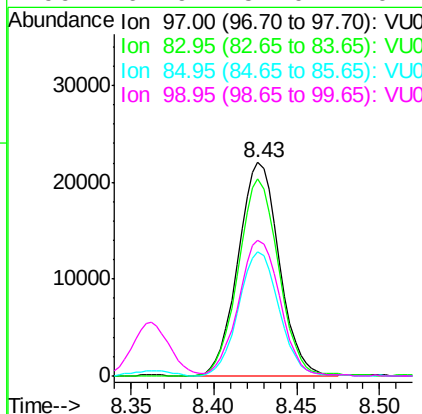
Manual Integrations
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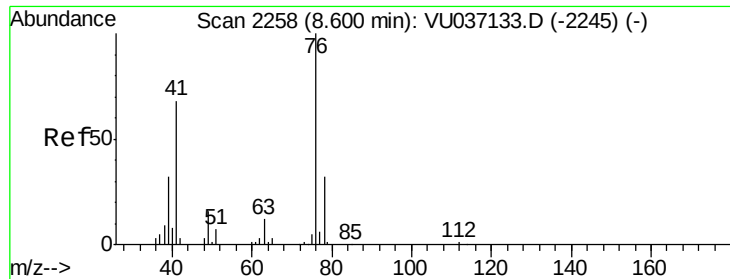
sam
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#52
 1,1,2-Trichloroethane
 Concen: 10.475 ug/l
 RT: 8.43 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VU037151.D
 Acq: 10 Mar 2020 14:08

Tgt Ion	Ratio	Lower	Upper
97	100		
83	92.1	70.9	106.3
85	58.0	45.6	68.4
99	62.9	51.0	76.4





#53

1,3-Dichloropropane

Concen: 10.294 ug/l

RT: 8.60 min Scan# 2258

Delta R.T. -0.00 min

Lab File: VU037151.D

Acq: 10 Mar 2020 14:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 66297

Ion Ratio Lower Upper

76 100

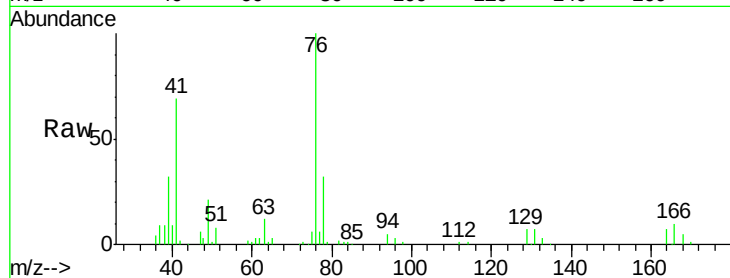
78 32.6 25.4 38.2

Manual Integrations

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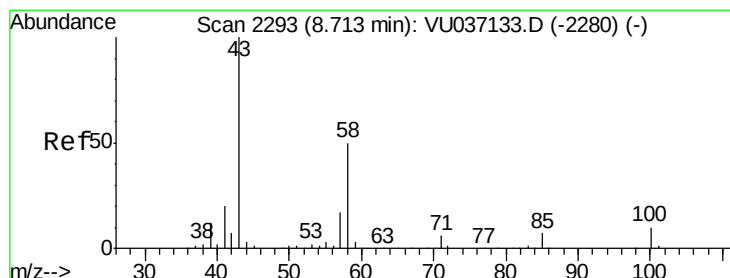
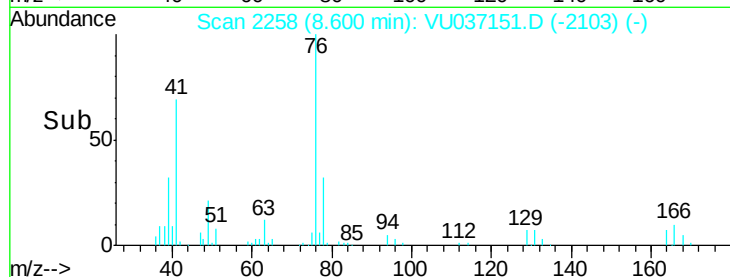
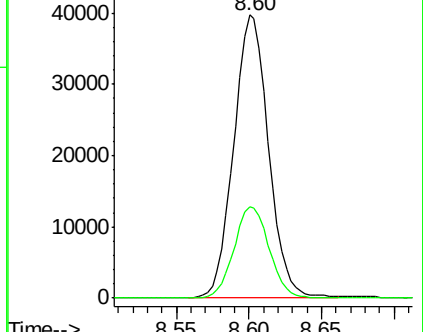
sam

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Abundance Ion 76.00 (75.70 to 76.70): VU037151.D (-2103) (-)

Ion 78.00 (77.70 to 78.70): VU037151.D (-2103) (-)



#54

2-Hexanone

Concen: 53.703 ug/l

RT: 8.71 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VU037151.D

Acq: 10 Mar 2020 14:08

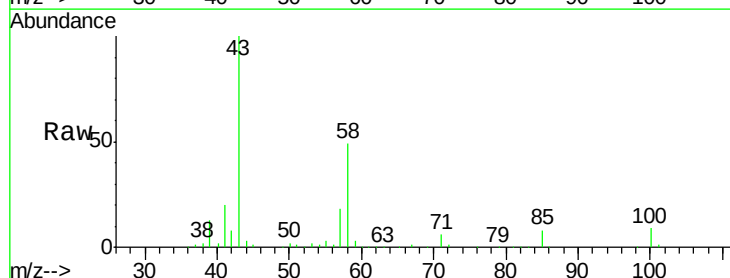
Tgt Ion: 43 Resp: 135023

Ion Ratio Lower Upper

43 100

58 48.6 40.6 80.6

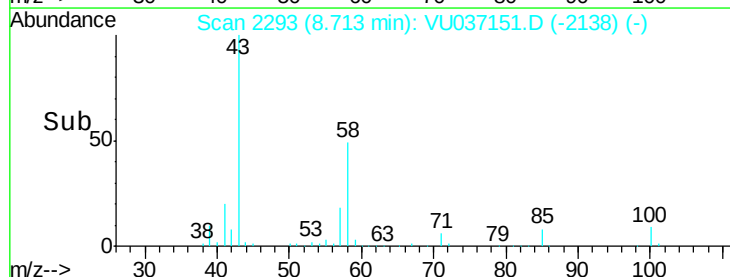
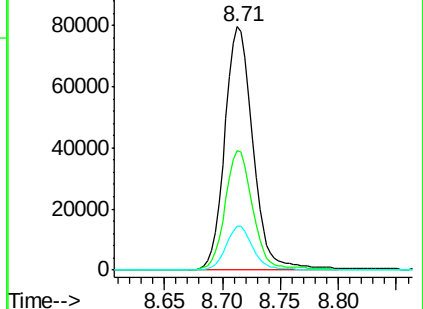
57 17.5 1.2 41.2

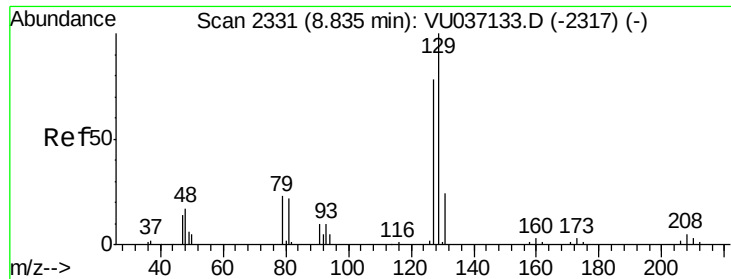


Abundance Ion 43.00 (42.70 to 43.70): VU037151.D (-2138) (-)

Ion 58.00 (57.70 to 58.70): VU037151.D (-2138) (-)

Ion 57.00 (56.70 to 57.70): VU037151.D (-2138) (-)





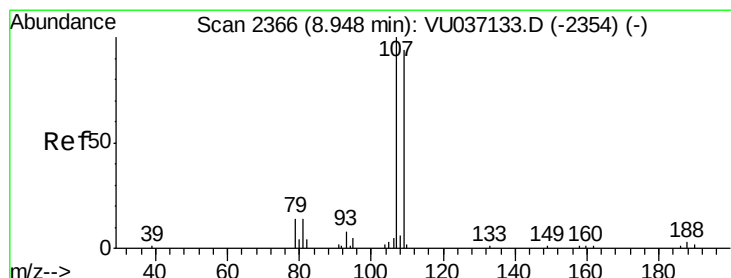
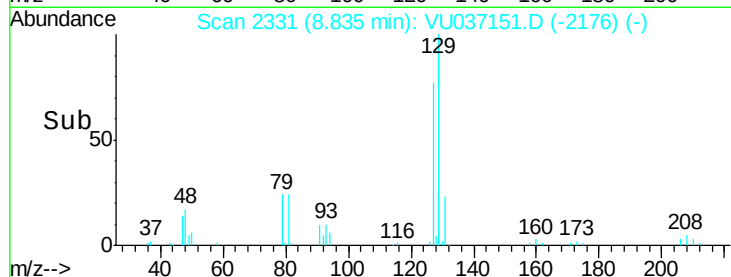
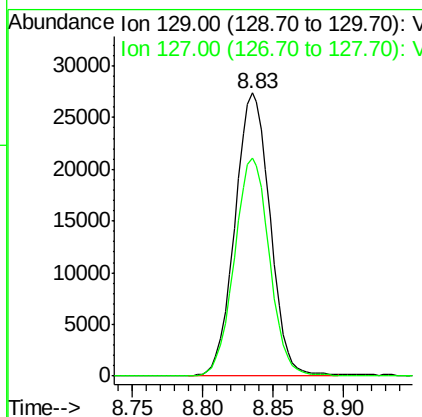
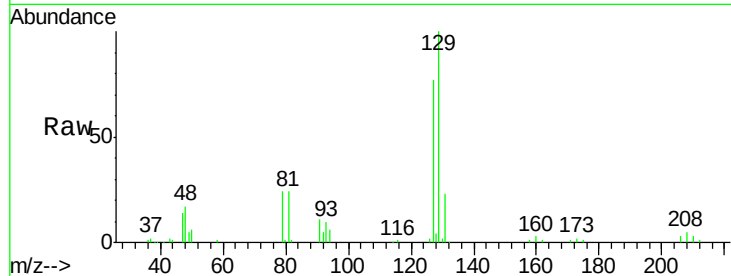
#55
 Dibromochloromethane
 Concen: 10.653 ug/l
 RT: 8.83 min Scan# 2331
 Delta R.T. -0.00 min
 Lab File: VU037151.D
 Acq: 10 Mar 2020 14:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
129	100			
127	76.7	62.6	94.0	

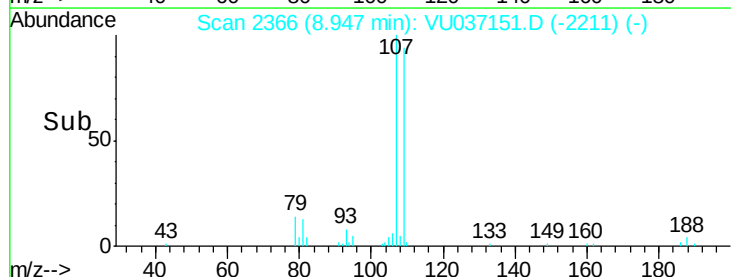
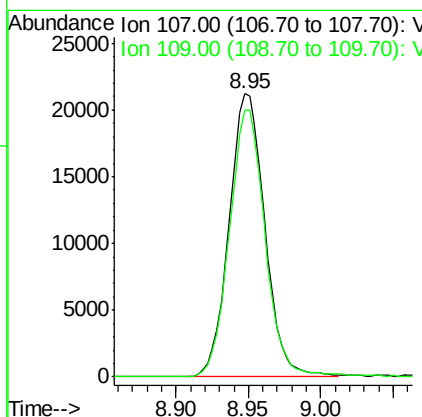
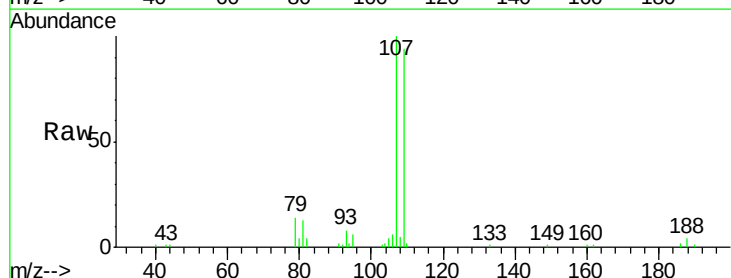
Manual Integrations
 APPROVED

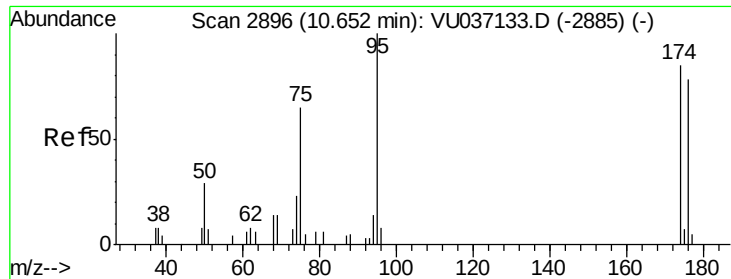
sam
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#56
 1,2-Dibromoethane
 Concen: 10.530 ug/l
 RT: 8.95 min Scan# 2366
 Delta R.T. -0.00 min
 Lab File: VU037151.D
 Acq: 10 Mar 2020 14:08

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
109	94.5	0.0	190.8	





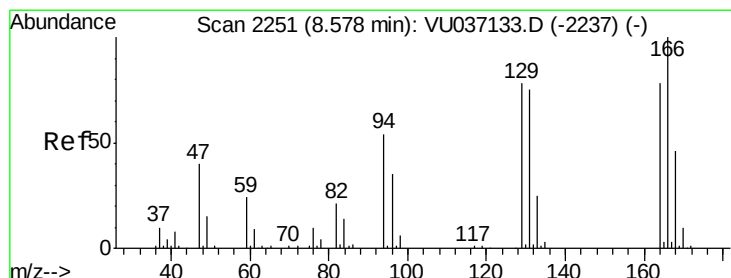
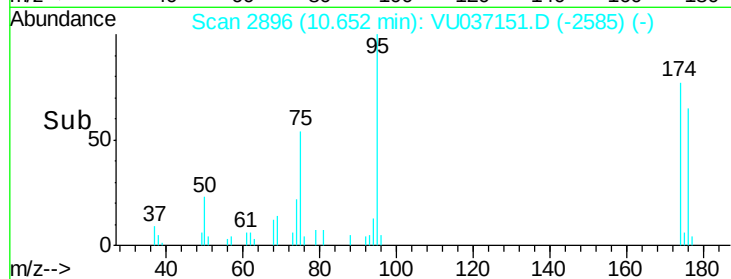
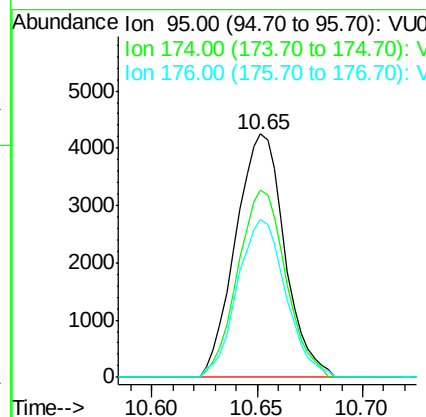
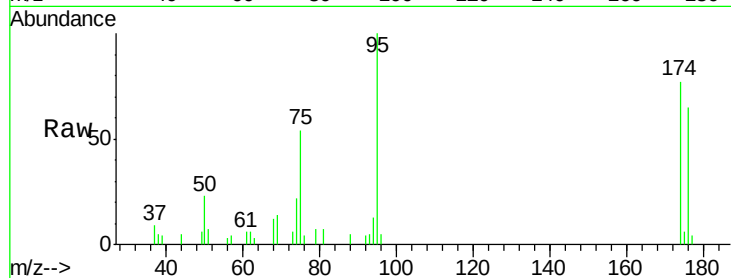
#57
 4-Bromofluorobenzene
 Concen: 1.106 ug/l
 RT: 10.65 min Scan# 2896
 Delta R.T. -0.00 min
 Lab File: VU037151.D
 Acq: 10 Mar 2020 14:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Resp	Lower	Upper
95	100	6859		
174	75.2	64.7	97.1	
176	64.0	60.6	91.0	

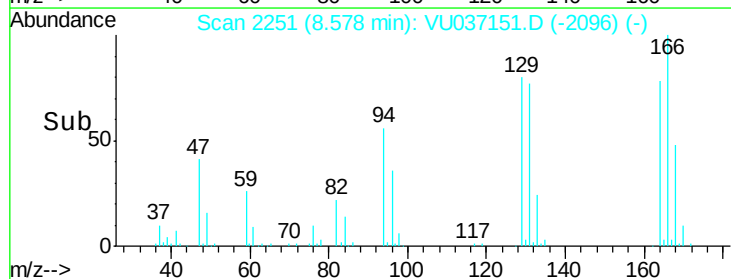
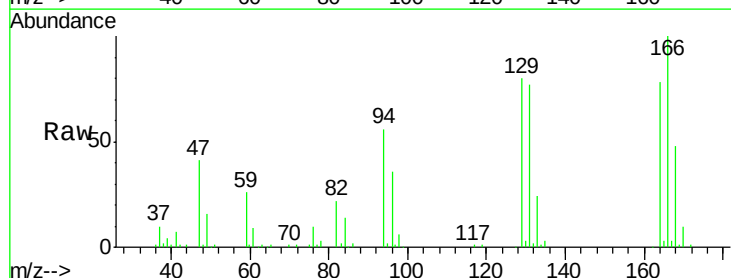
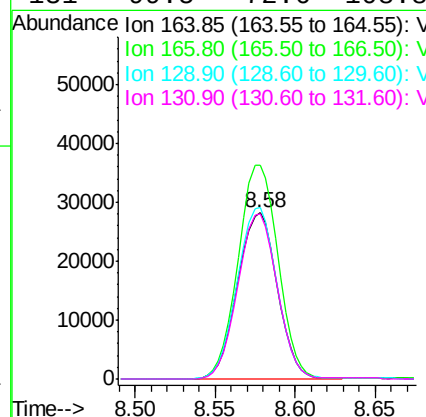
Manual Integrations
 APPROVED

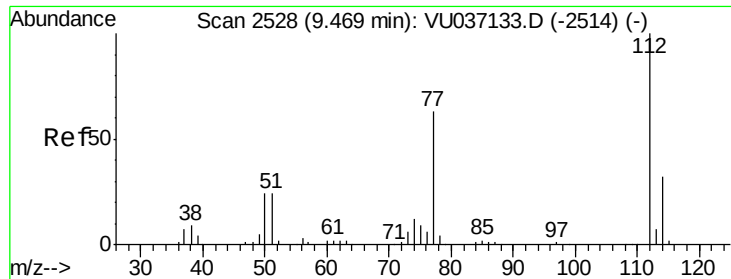
sam
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#58
 Tetrachloroethene
 Concen: 10.055 ug/l
 RT: 8.58 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VU037151.D
 Acq: 10 Mar 2020 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	47900		
166	128.4	102.0	153.0	
129	103.1	74.9	112.3	
131	99.5	72.6	108.8	





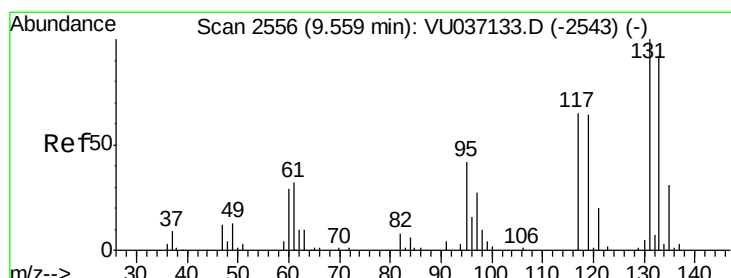
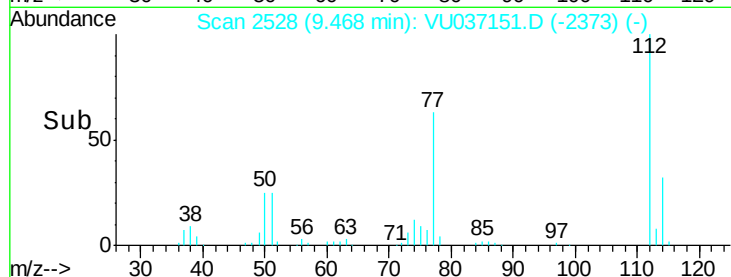
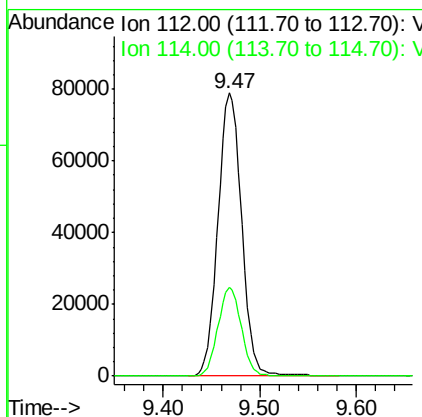
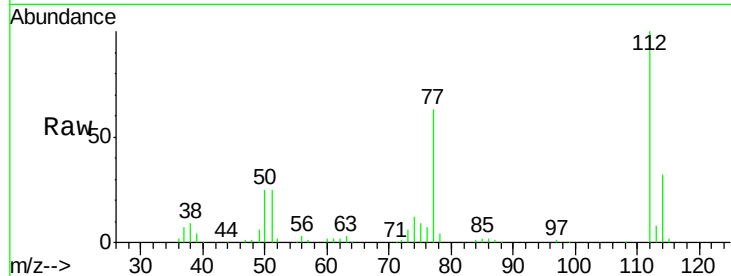
#59
Chlorobenzene
Concen: 10.317 ug/l
RT: 9.47 min Scan# 2528
Delta R.T. -0.00 min
Lab File: VU037151.D
Acq: 10 Mar 2020 14:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion:112 Resp: 134516
Ion Ratio Lower Upper
112 100
114 31.5 25.8 38.8

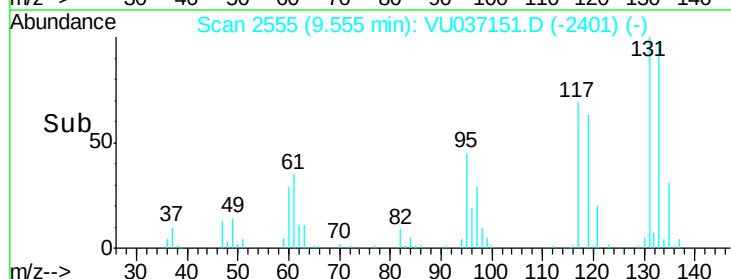
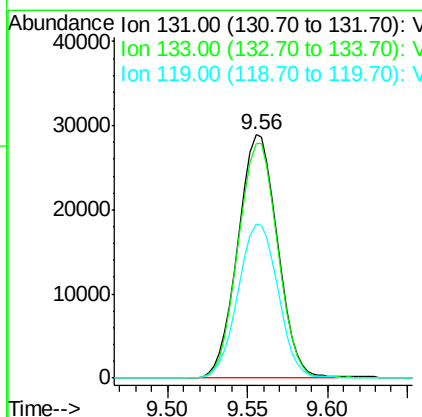
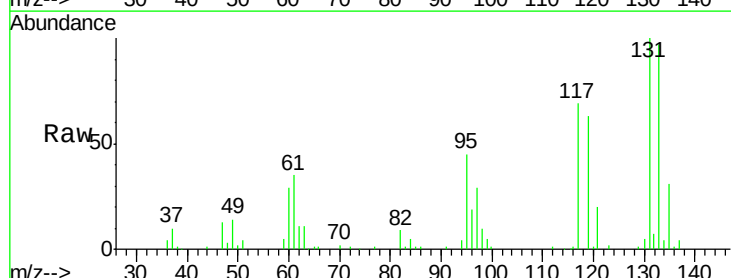
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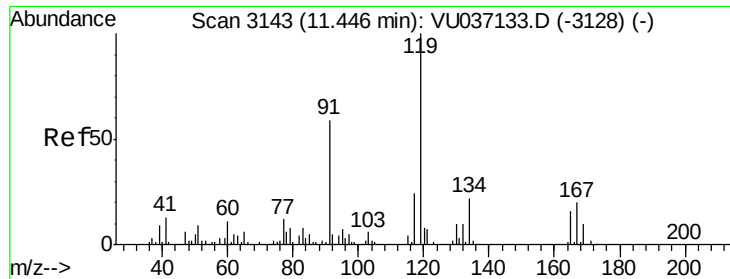
sam
3/11/2020 3:32:27 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 10.251 ug/l
RT: 9.56 min Scan# 2555
Delta R.T. -0.00 min
Lab File: VU037151.D
Acq: 10 Mar 2020 14:08

Tgt Ion:131 Resp: 48924
Ion Ratio Lower Upper
131 100
133 96.2 76.4 114.6
119 63.8 56.6 85.0





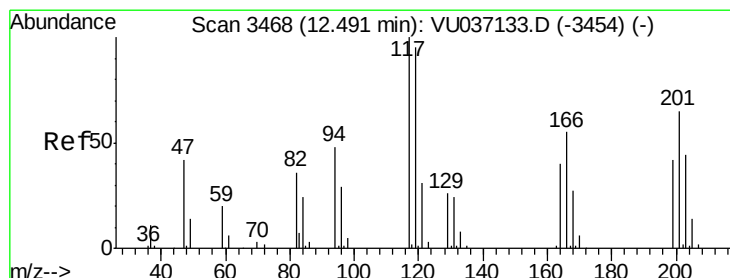
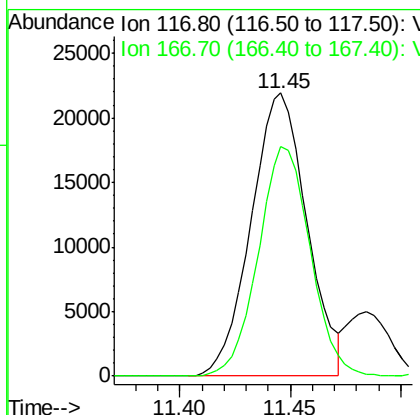
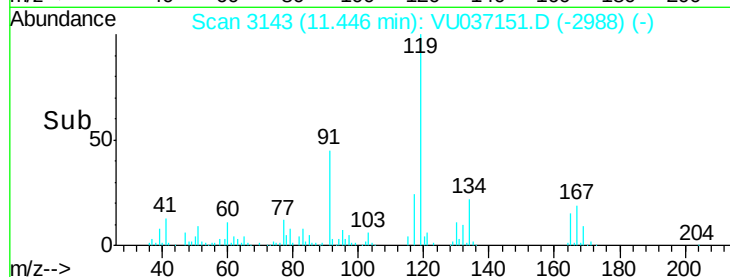
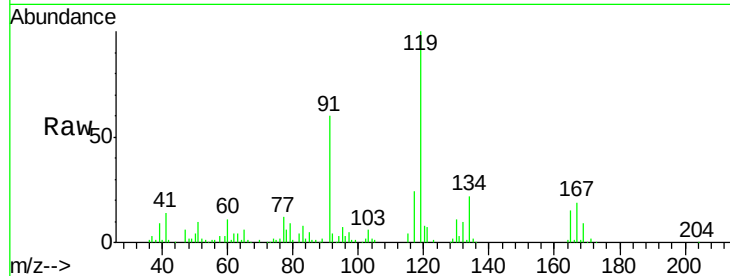
#61
Pentachloroethane
Concen: 10.549 ug/l
RT: 11.45 min Scan# 3143
Delta R.T. -0.00 min
Lab File: VU037151.D
Acq: 10 Mar 2020 14:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 38409
Ion Ratio Lower Upper
117 100
167 75.4 66.7 100.1

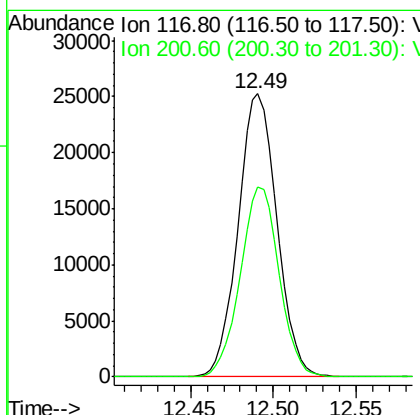
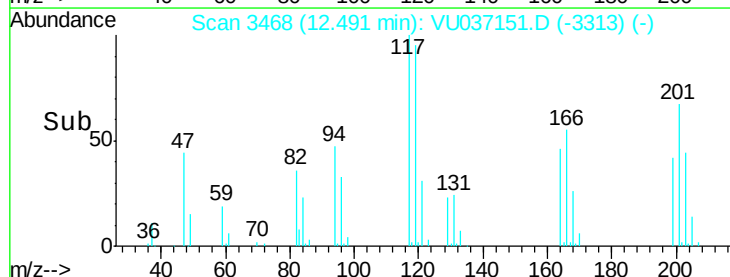
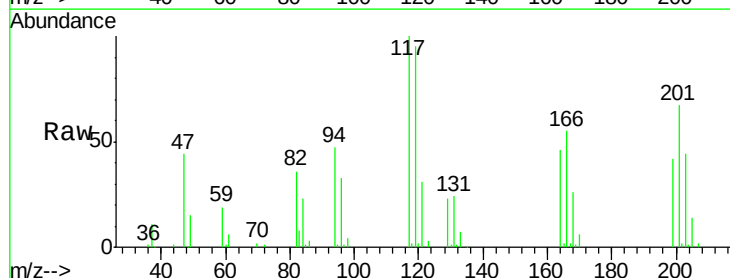
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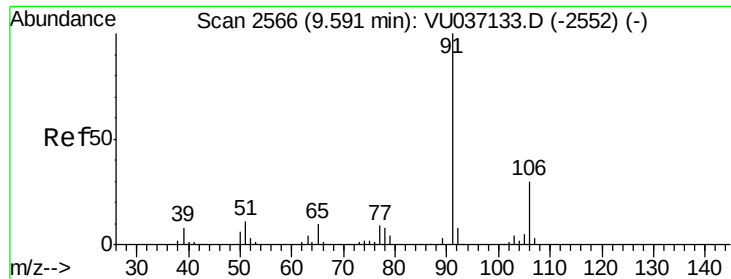
sam
3/11/2020 3:32:27 PM



#62
Hexachloroethane
Concen: 10.535 ug/l
RT: 12.49 min Scan# 3468
Delta R.T. -0.00 min
Lab File: VU037151.D
Acq: 10 Mar 2020 14:08

Tgt Ion:117 Resp: 41062
Ion Ratio Lower Upper
117 100
201 67.0 65.0 97.4





#63

Ethyl Benzene

Concen: 10.968 ug/l

RT: 9.59 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VU037151.D

Acq: 10 Mar 2020 14:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 244102

Ion Ratio Lower Upper

91 100

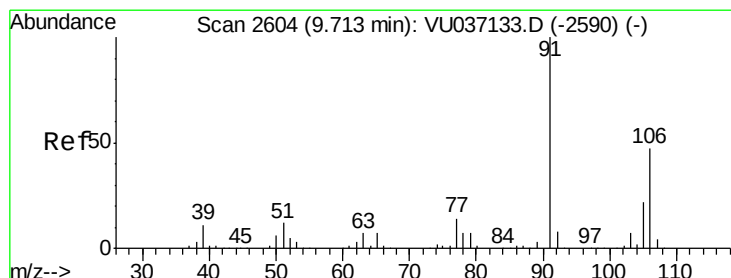
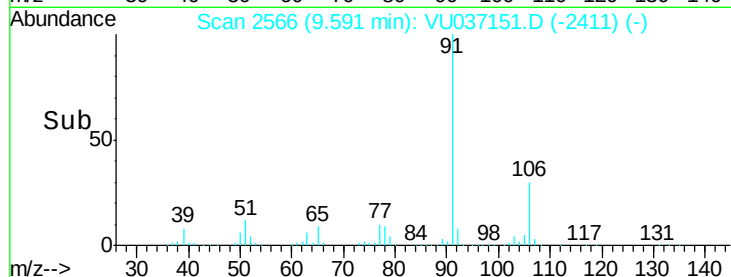
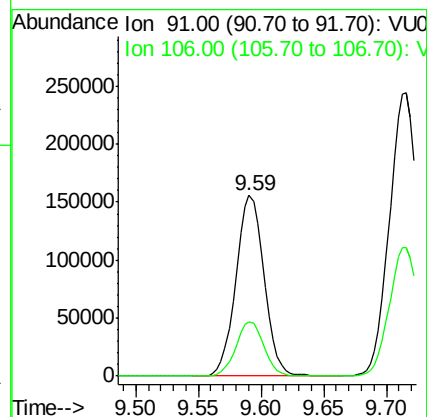
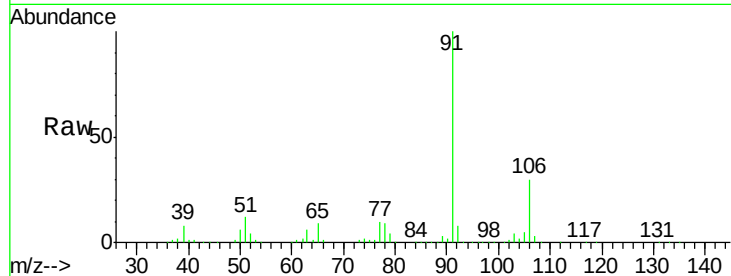
106 30.2 26.0 39.0

Manual Integrations

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sam

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#64

m/p-Xylenes

Concen: 22.332 ug/l

RT: 9.71 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VU037151.D

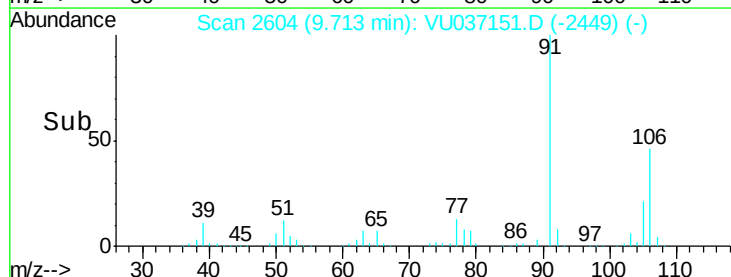
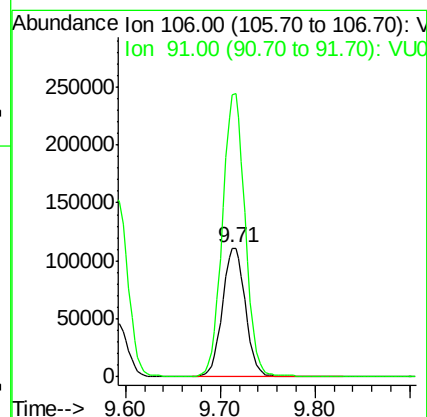
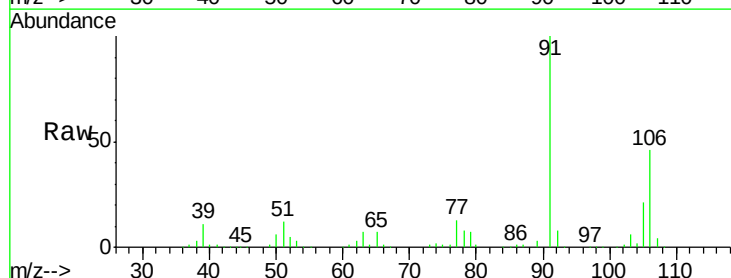
Acq: 10 Mar 2020 14:08

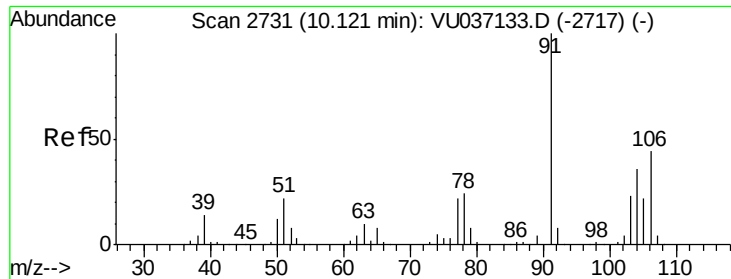
Tgt Ion: 106 Resp: 188151

Ion Ratio Lower Upper

106 100

91 215.5 158.2 237.4





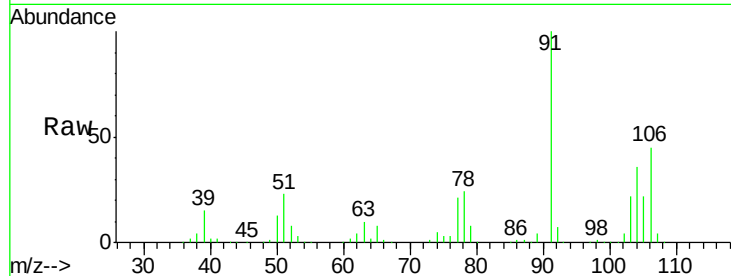
#65
o-Xylene
Concen: 10.884 ug/l
RT: 10.12 min Scan# 2731
Delta R.T. -0.00 min
Lab File: VU037151.D
Acq: 10 Mar 2020 14:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

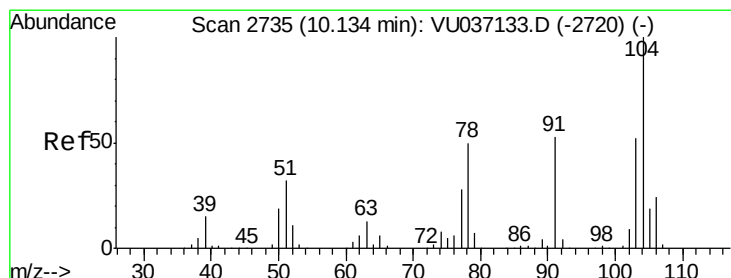
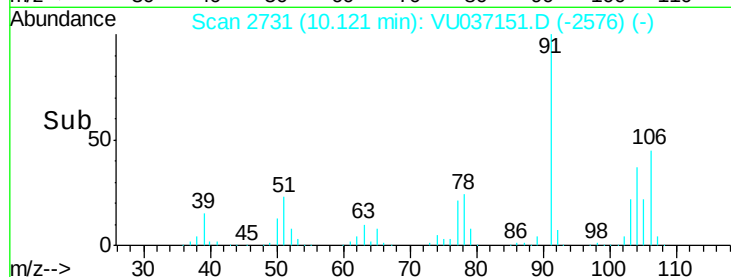
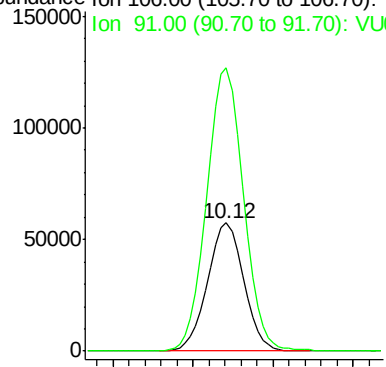
Tot Ion:106 Resp: 88476
Ion Ratio Lower Upper
106 100
91 224.5 104.3 312.9

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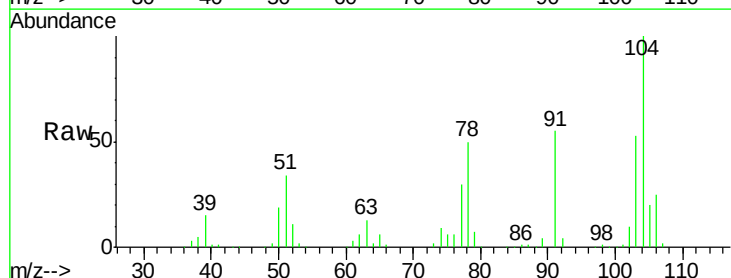


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

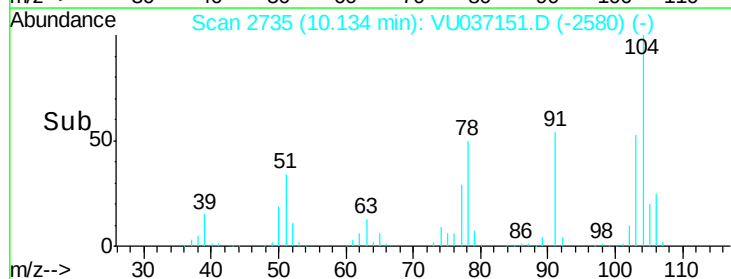
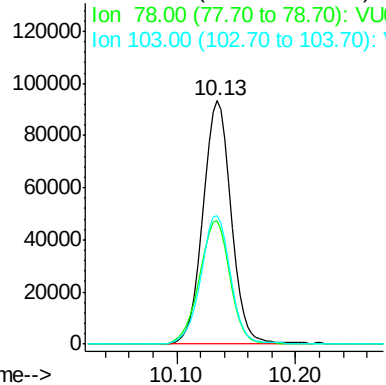


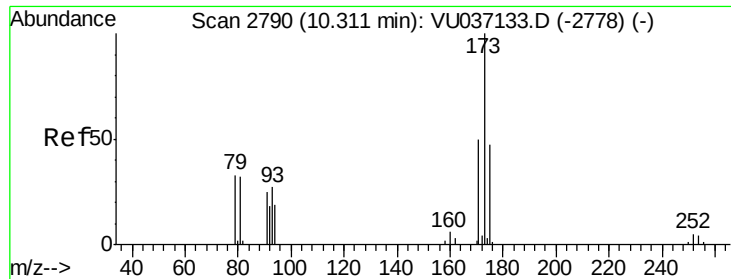
#66
Styrene
Concen: 11.587 ug/l
RT: 10.13 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VU037151.D
Acq: 10 Mar 2020 14:08

Tgt Ion:104 Resp: 154177
Ion Ratio Lower Upper
104 100
78 55.0 38.6 57.8
103 55.2 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





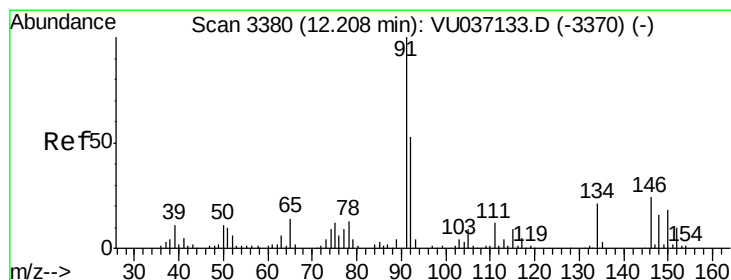
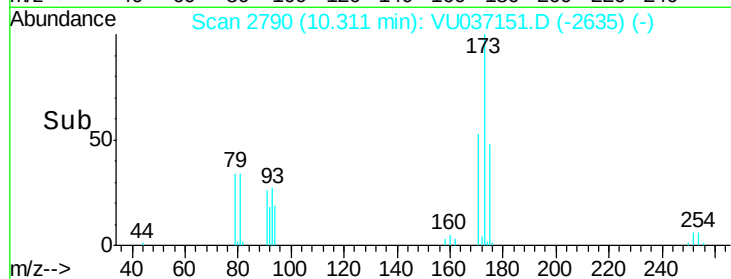
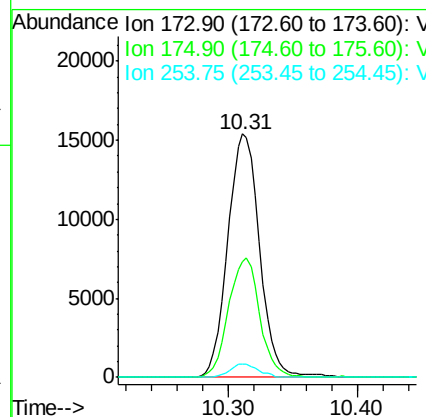
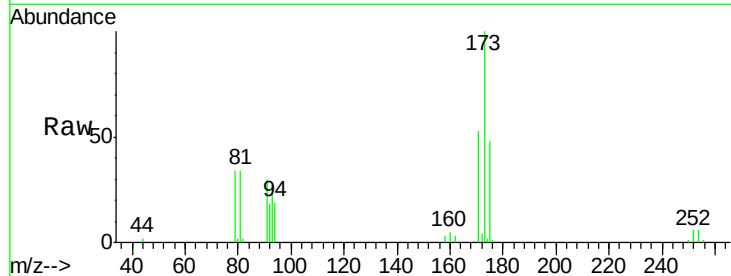
#67
Bromoform
Concen: 11.126 ug/l
RT: 10.31 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VU037151.D
Acq: 10 Mar 2020 14:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	38.3	57.5
254	4.8	6.6	9.8

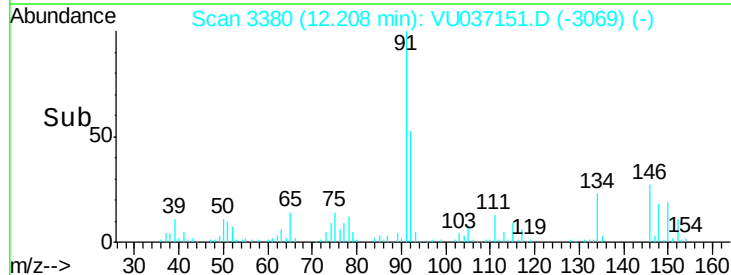
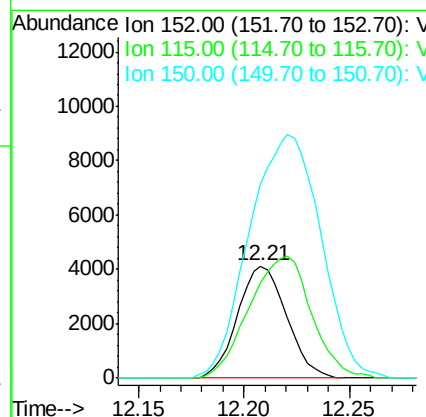
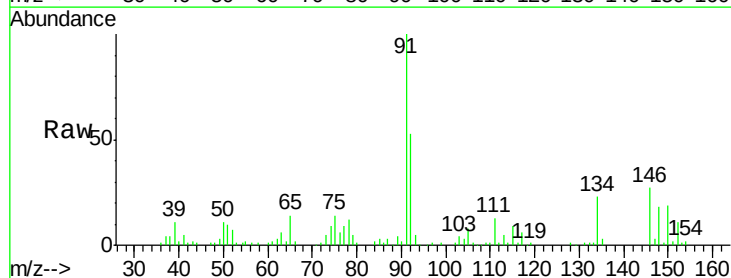
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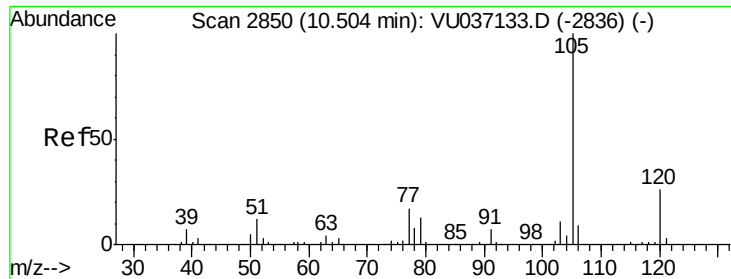
sam
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#68
1,2-Dichlorobenzene-d4
Concen: 1.046 ug/l
RT: 12.21 min Scan# 3380
Delta R.T. -0.00 min
Lab File: VU037151.D
Acq: 10 Mar 2020 14:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	139.0	0.0	241.8
150	318.5	0.0	652.4





#69

Isopropylbenzene

Concen: 11.027 ug/l

RT: 10.50 min Scan# 2850

Delta R.T. -0.00 min

Lab File: VU037151.D

Acq: 10 Mar 2020 14:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 244358

Ion Ratio Lower Upper

105 100

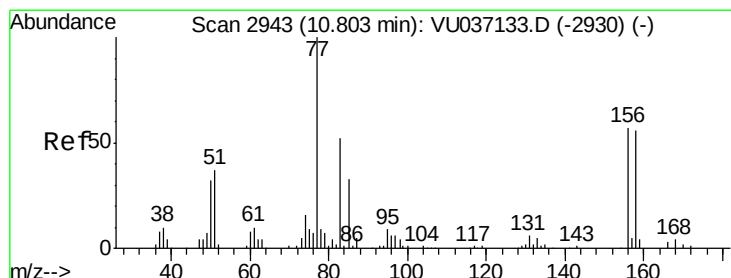
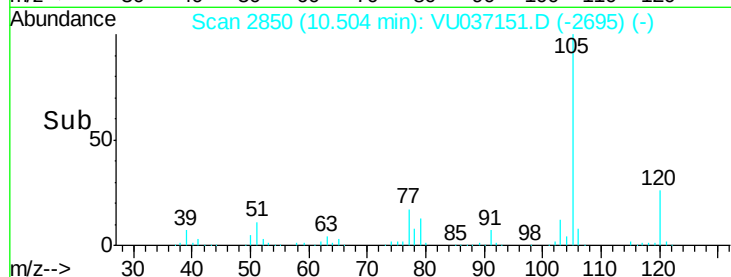
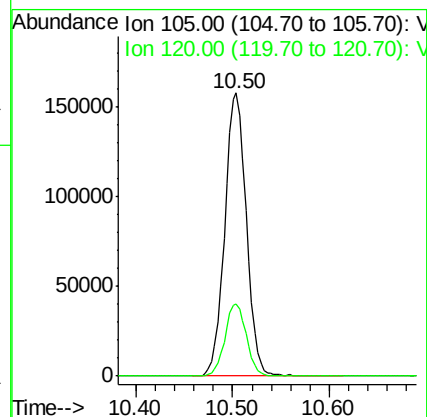
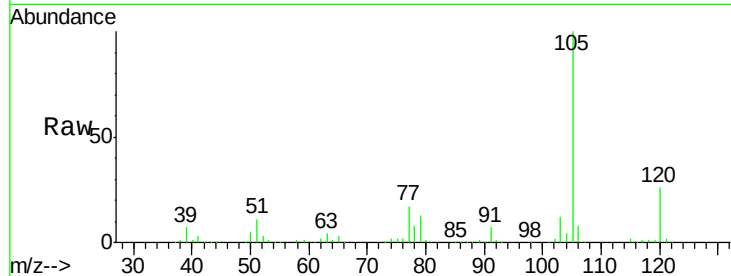
120 25.3 13.6 40.7

Manual Integrations

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sam

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#70

1,1,2,2-Tetrachloroethane

Concen: 10.558 ug/l

RT: 10.80 min Scan# 2943

Delta R.T. -0.00 min

Lab File: VU037151.D

Acq: 10 Mar 2020 14:08

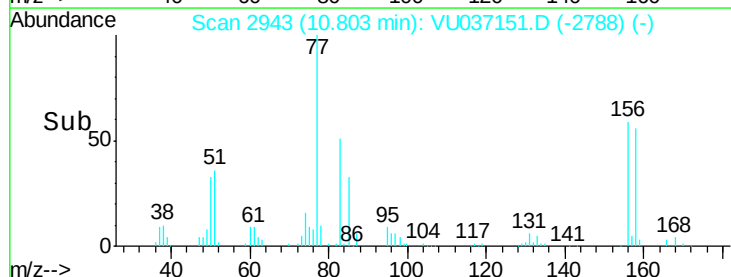
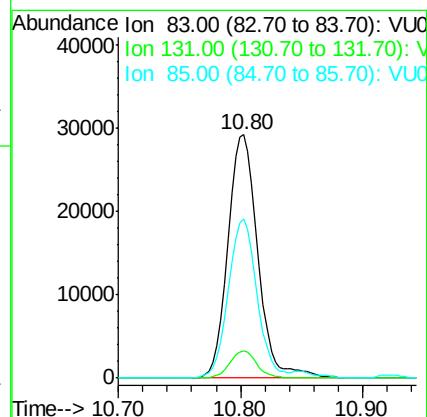
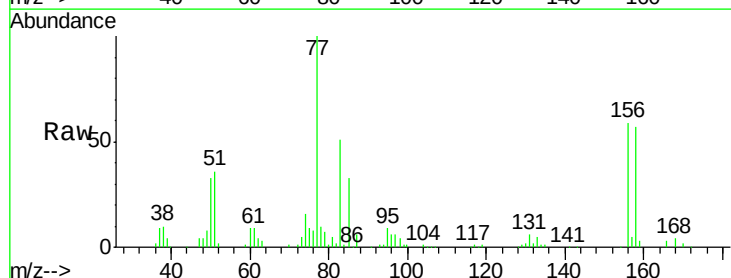
Tgt Ion: 83 Resp: 50423

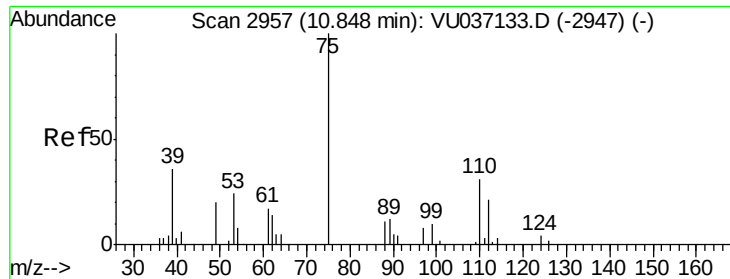
Ion Ratio Lower Upper

83 100

131 10.0 7.8 11.8

85 62.3 53.2 79.8





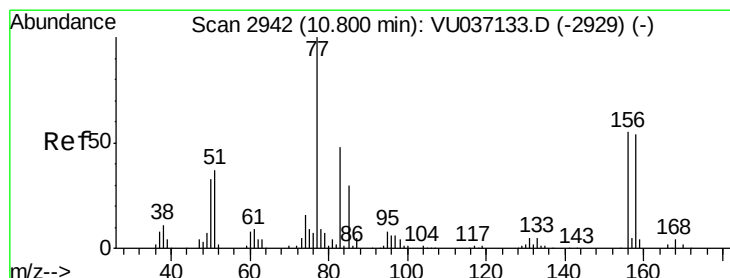
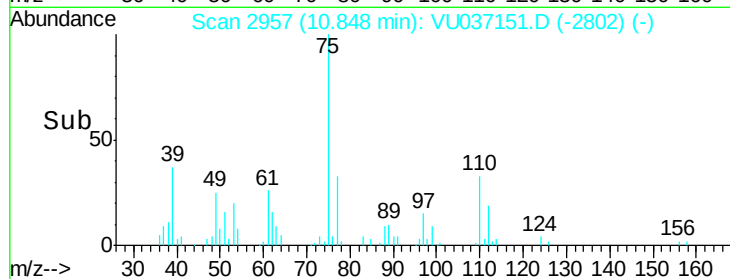
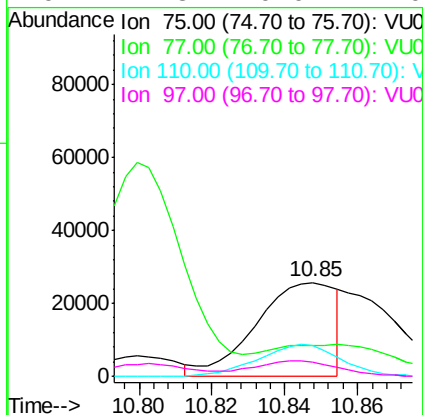
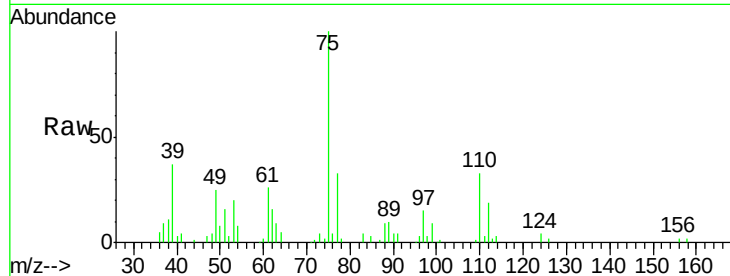
#71
1,2,3-Trichloropropane
Concen: 10.058 ug/l m
RT: 10.85 min Scan# 2957
Delta R.T. -0.00 min
Lab File: VU037151.D
Acq: 10 Mar 2020 14:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
75	75	100		
77	77	52.8	0.0	129.6
110	110	35.1	0.0	77.4
97	97	17.3	0.0	42.0

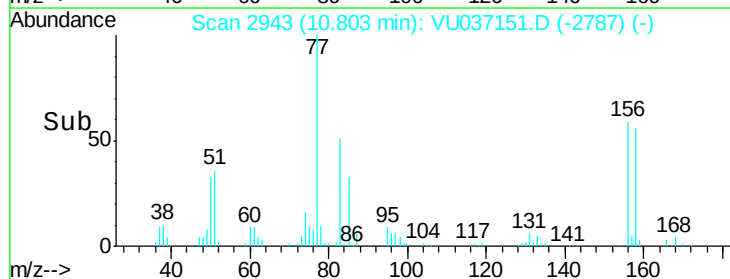
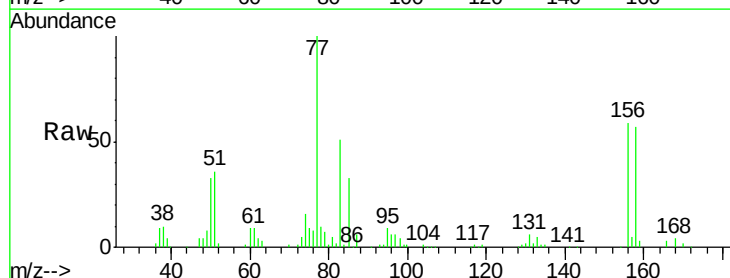
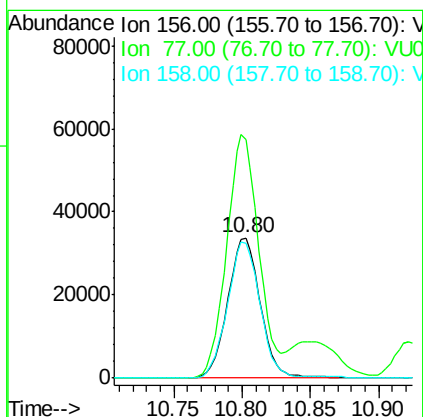
Manual Integrations
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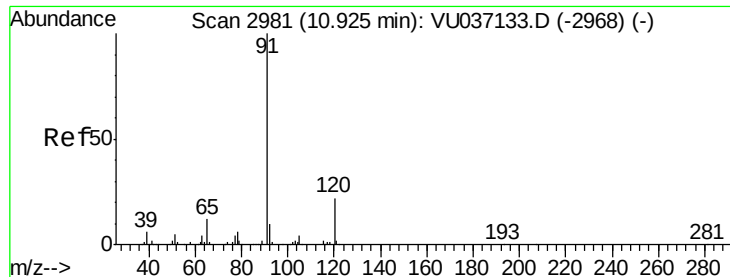
sam
3/11/2020 3:32:27 PM



#72
Bromobenzene
Concen: 10.434 ug/l
RT: 10.80 min Scan# 2943
Delta R.T. 0.00 min
Lab File: VU037151.D
Acq: 10 Mar 2020 14:08

Tgt Ion	Ion	Ratio	Lower	Upper
156	156	100		
77	77	170.9	0.0	306.6
158	158	97.1	0.0	192.0





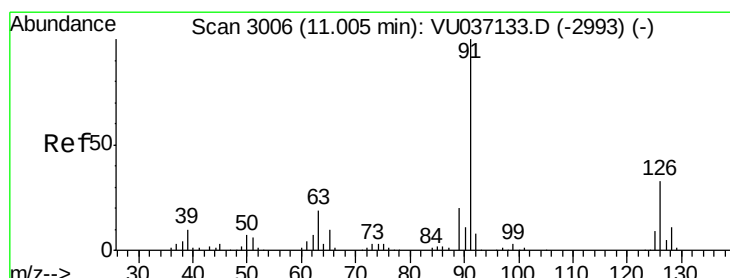
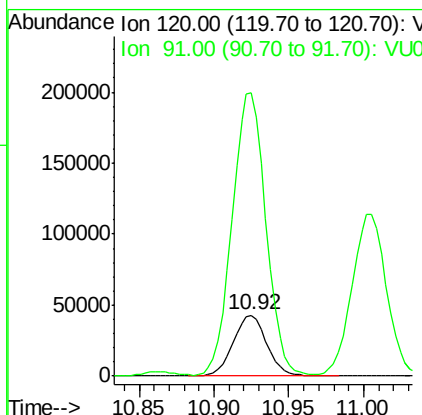
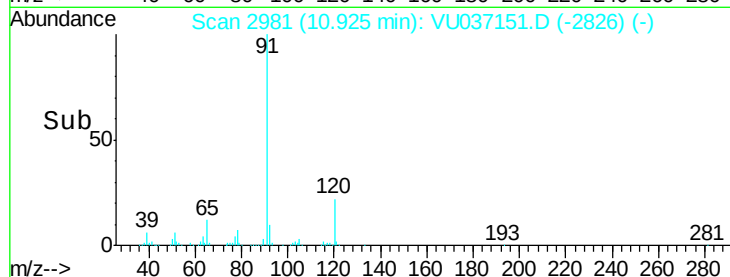
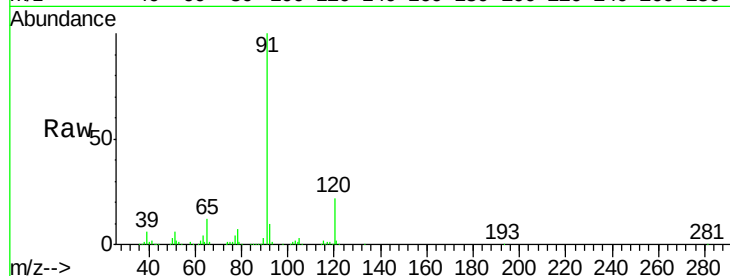
#73
n-propylbenzene
Concen: 11.415 ug/l
RT: 10.92 min Scan# 2981
Delta R.T. -0.00 min
Lab File: VU037151.D
Acq: 10 Mar 2020 14:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion:120 Resp: 67051
Ion Ratio Lower Upper
120 100
91 462.9 329.5 494.3

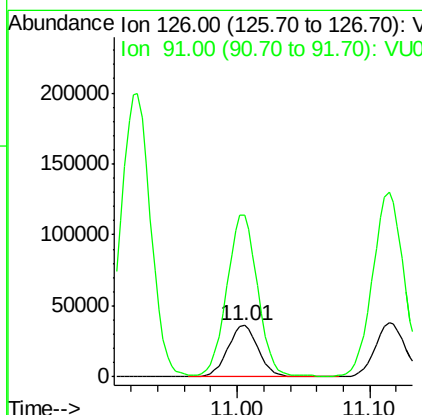
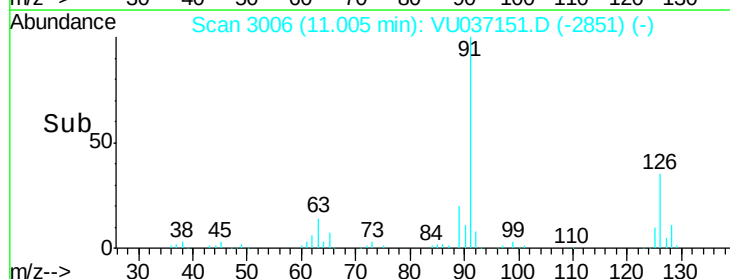
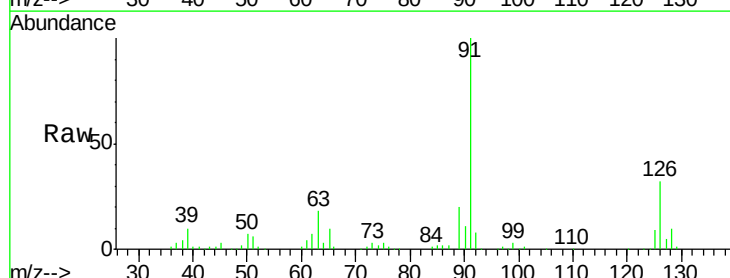
Manual Integrations
APPROVED

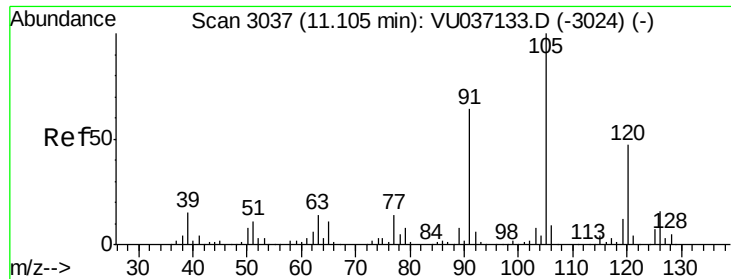
sam
3/11/2020 3:32:27 PM



#74
2-Chlorotoluene
Concen: 10.917 ug/l
RT: 11.01 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VU037151.D
Acq: 10 Mar 2020 14:08

Tgt Ion:126 Resp: 58041
Ion Ratio Lower Upper
126 100
91 310.5 0.0 567.4





#75

1,3,5-Trimethylbenzene

Concen: 11.462 ug/l

RT: 11.10 min Scan# 3037

Delta R.T. -0.00 min

Lab File: VU037151.D

Acq: 10 Mar 2020 14:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 219901

Ion Ratio Lower Upper

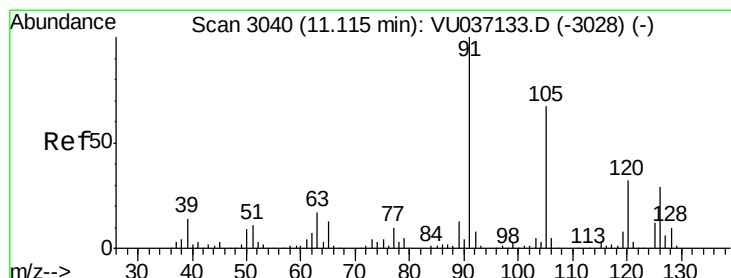
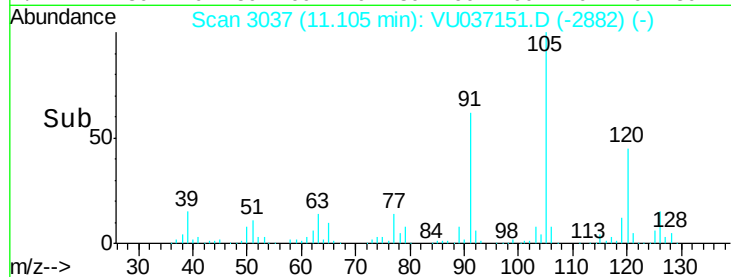
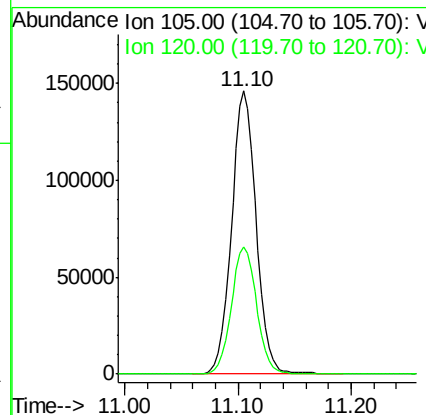
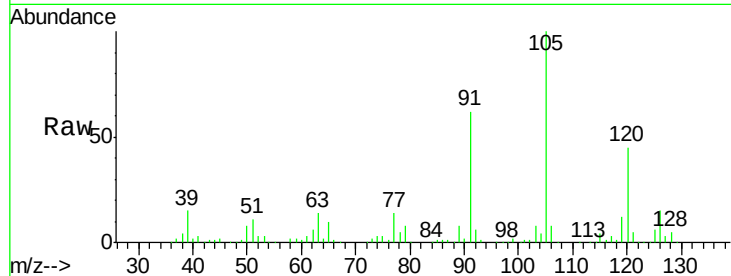
105 100

120 46.3 39.8 59.8

Manual Integrations
APPROVED

sam

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#76

4-Chlorotoluene

Concen: 11.399 ug/l

RT: 11.11 min Scan# 3040

Delta R.T. -0.00 min

Lab File: VU037151.D

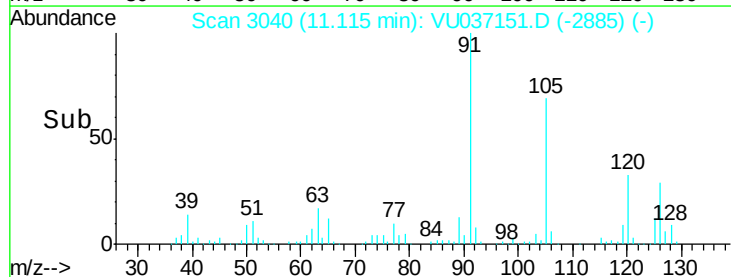
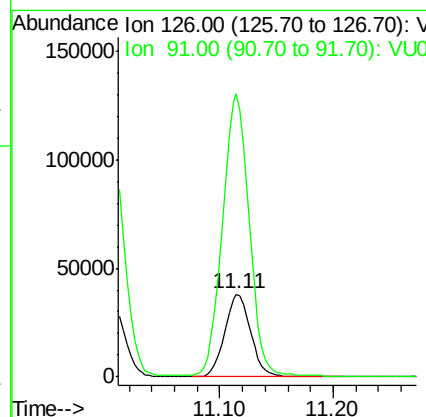
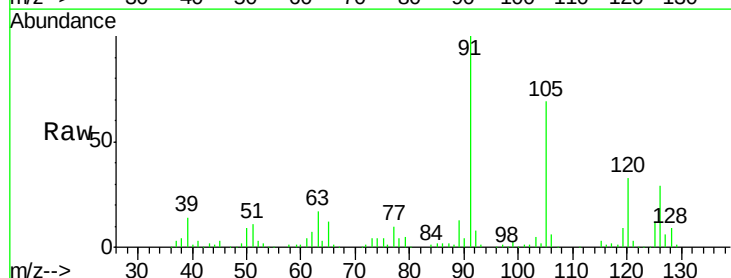
Acq: 10 Mar 2020 14:08

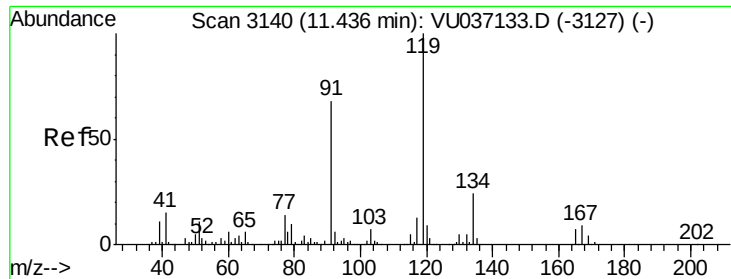
Tgt Ion:126 Resp: 61013

Ion Ratio Lower Upper

126 100

91 352.7 0.0 633.0





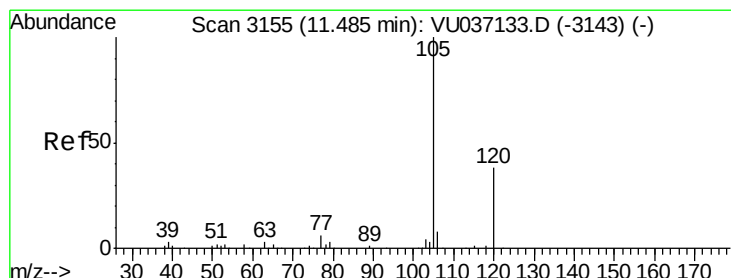
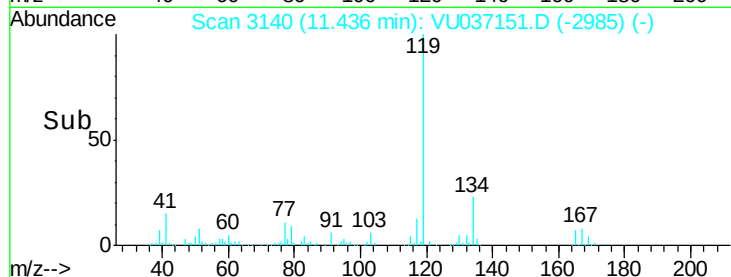
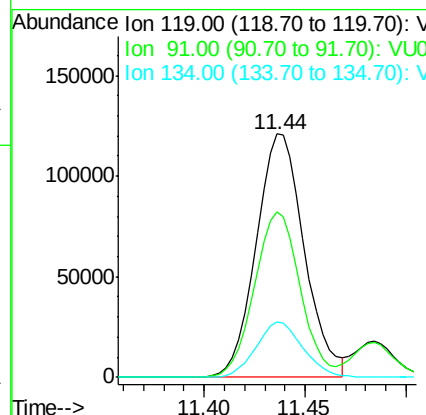
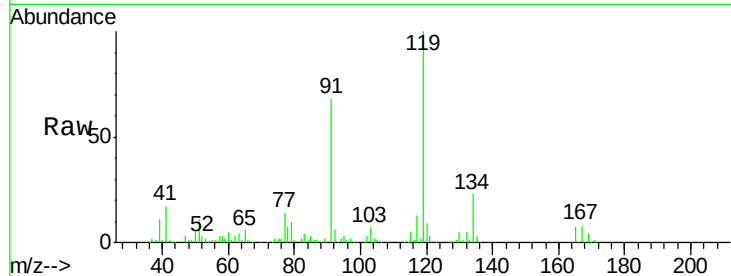
#77
 tert-Butylbenzene
 Concen: 10.768 ug/l
 RT: 11.44 min Scan# 3140
 Delta R.T. -0.00 min
 Lab File: VU037151.D
 Acq: 10 Mar 2020 14:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	201393		
91	64.8	29.3	87.8	
134	22.2	19.0	28.4	

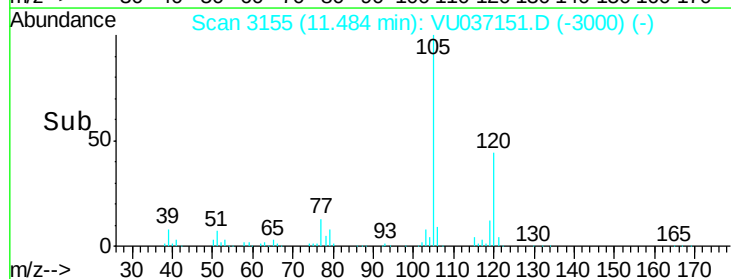
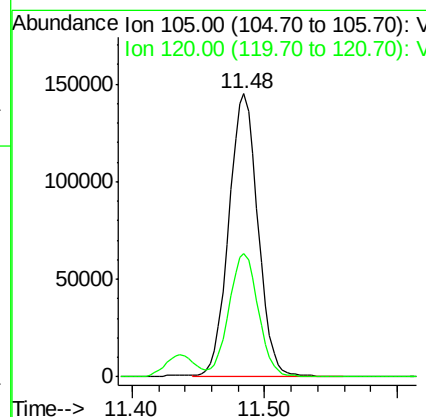
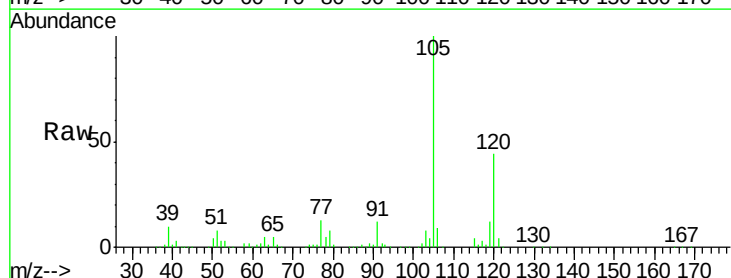
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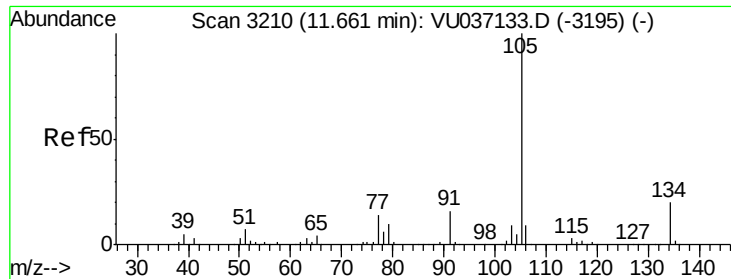
sam
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#78
 1,2,4-Trimethylbenzene
 Concen: 11.479 ug/l
 RT: 11.48 min Scan# 3155
 Delta R.T. -0.00 min
 Lab File: VU037151.D
 Acq: 10 Mar 2020 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	222310		
120	44.1	23.3	69.8	





#79

sec-Butylbenzene

Concen: 11.077 ug/l

RT: 11.66 min Scan# 3209

Delta R.T. -0.00 min

Lab File: VU037151.D

Acq: 10 Mar 2020 14:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 281885

Ion Ratio Lower Upper

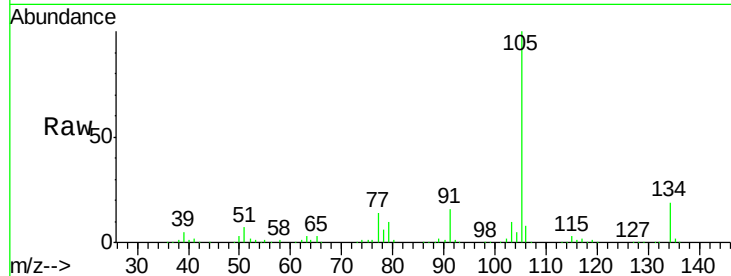
105 100

134 19.1 16.0 24.0

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

200000

150000

100000

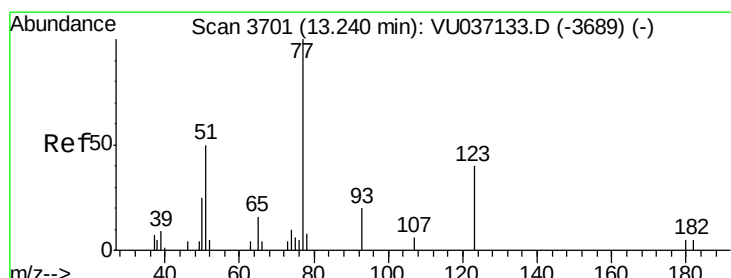
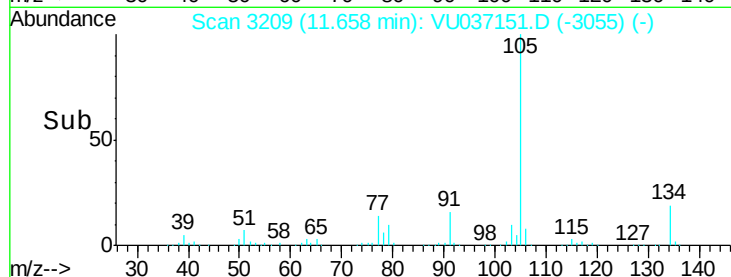
50000

0

11.60

11.70

Time-->



#80

Nitrobenzene

Concen: 51.006 ug/l

RT: 13.24 min Scan# 3702

Delta R.T. 0.00 min

Lab File: VU037151.D

Acq: 10 Mar 2020 14:08

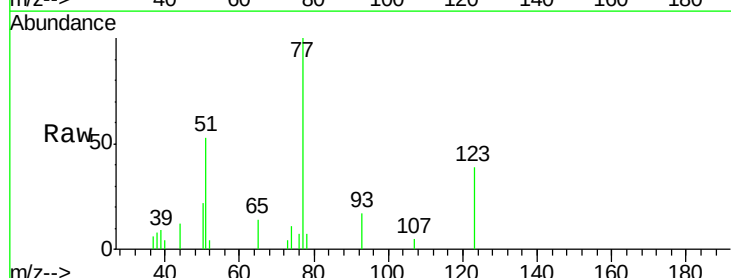
Tgt Ion: 77 Resp: 5332

Ion Ratio Lower Upper

77 100

123 41.5 19.6 69.6

65 12.8 12.7 16.1



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

3000

2000

1000

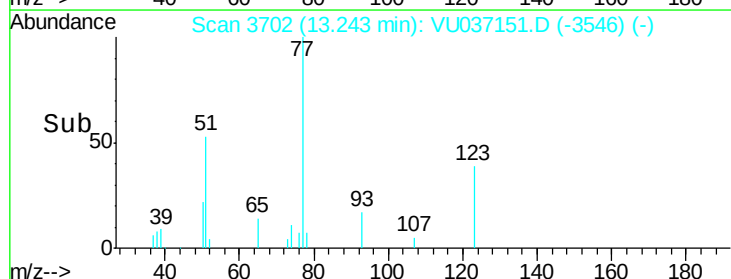
0

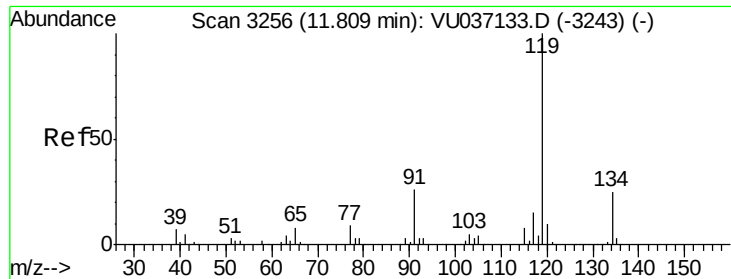
13.20

13.25

13.30

Time-->





#81

p-Isopropyltoluene

Concen: 11.492 ug/l

RT: 11.81 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VU037151.D

Acq: 10 Mar 2020 14:08

Instrument :

MSVOA_U

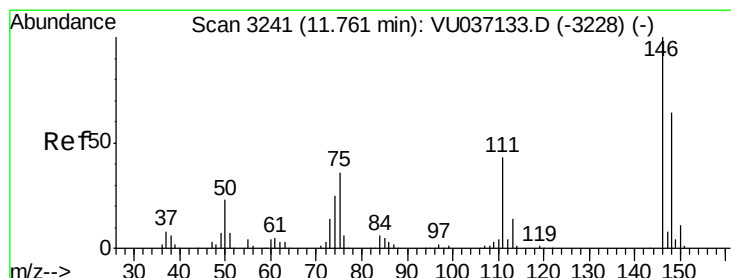
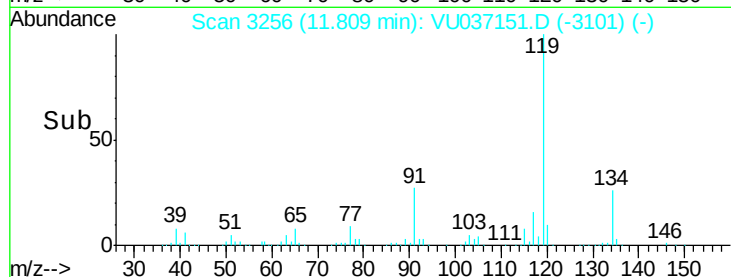
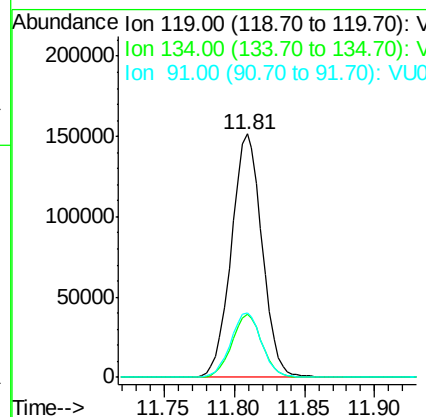
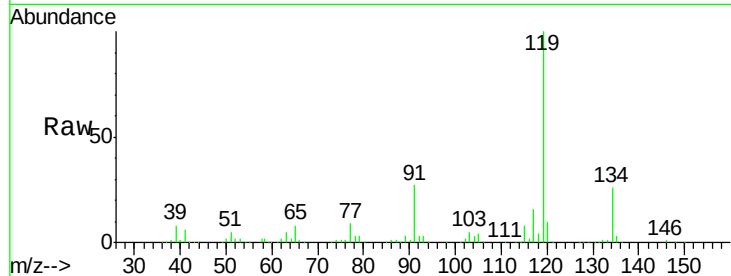
ClientSampleId :

VSTDCCC010EC

Tot Ion:	119	Resp:	230506
Ion Ratio	Lower	Upper	
119	100		
134	25.4	21.4	32.0
91	26.7	18.3	27.5

Manual Integrations
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#82

1,3-Dichlorobenzene

Concen: 10.717 ug/l

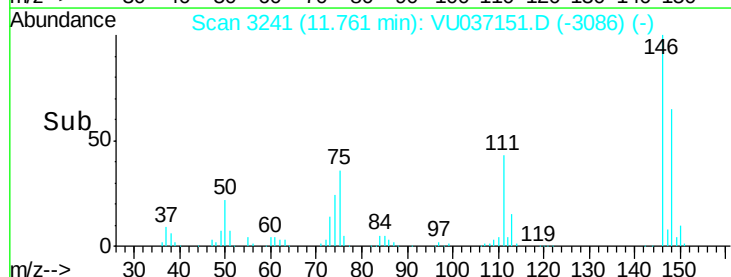
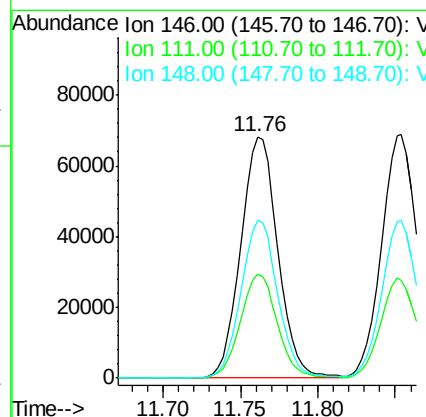
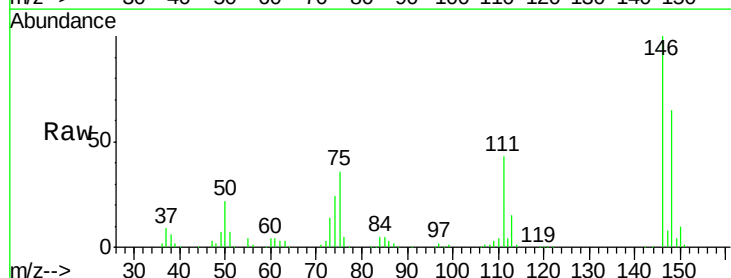
RT: 11.76 min Scan# 3241

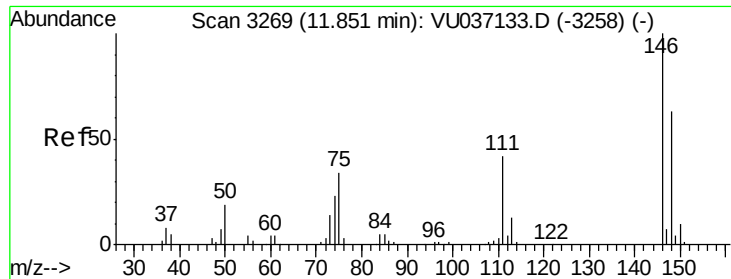
Delta R.T. -0.00 min

Lab File: VU037151.D

Acq: 10 Mar 2020 14:08

Tgt Ion:	146	Resp:	113858
Ion Ratio	Lower	Upper	
146	100		
111	42.6	32.2	48.2
148	64.7	51.4	77.2





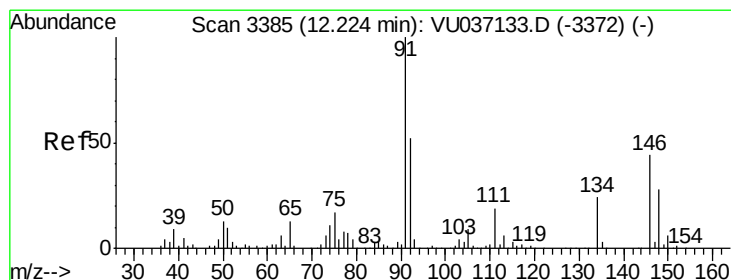
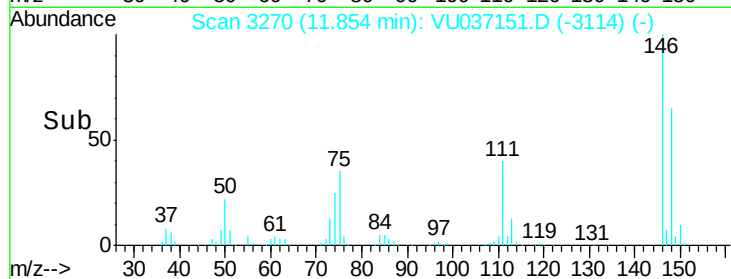
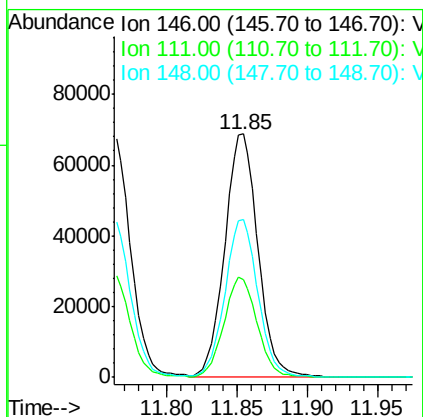
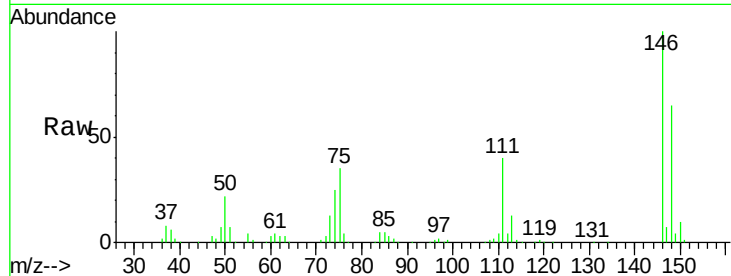
#83
 1,4-Dichlorobenzene
 Concen: 10.543 ug/l
 RT: 11.85 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU037151.D
 Acq: 10 Mar 2020 14:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	30.5	45.7
148	64.4	51.0	76.4

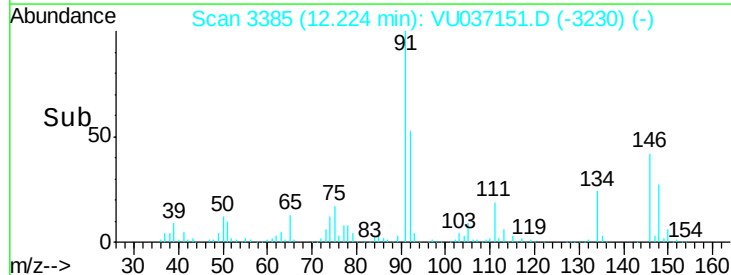
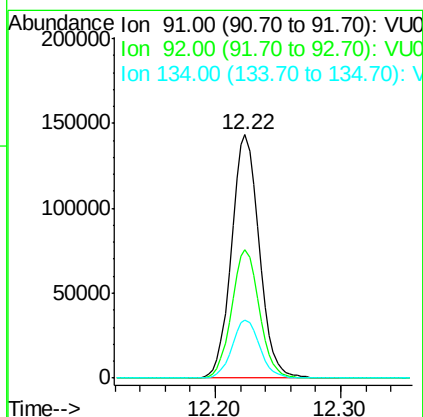
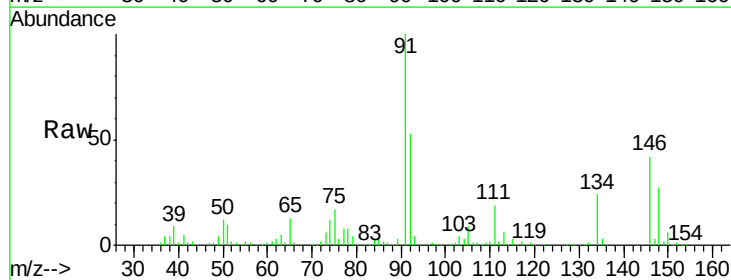
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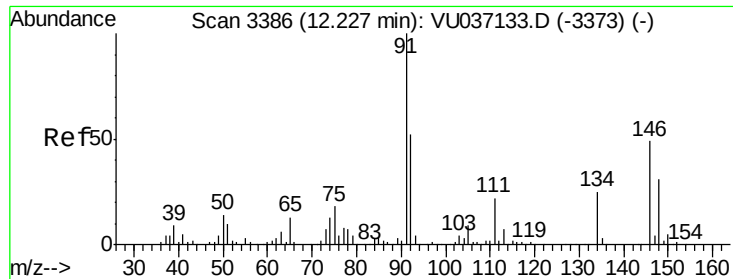
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#84
 n-Butylbenzene
 Concen: 11.568 ug/l
 RT: 12.22 min Scan# 3385
 Delta R.T. -0.00 min
 Lab File: VU037151.D
 Acq: 10 Mar 2020 14:08

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.6	42.9	64.3
134	23.9	21.4	32.0





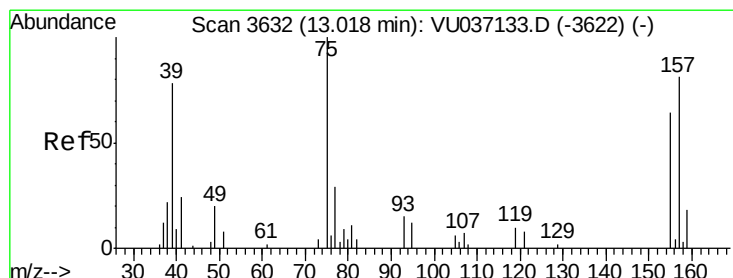
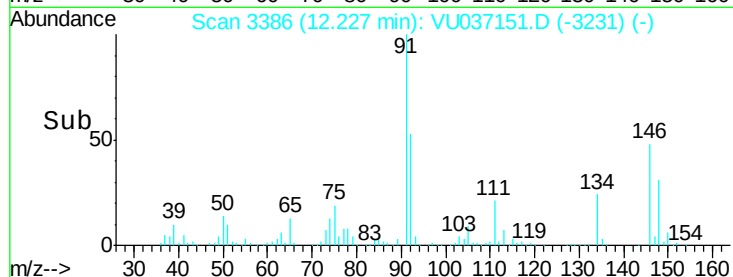
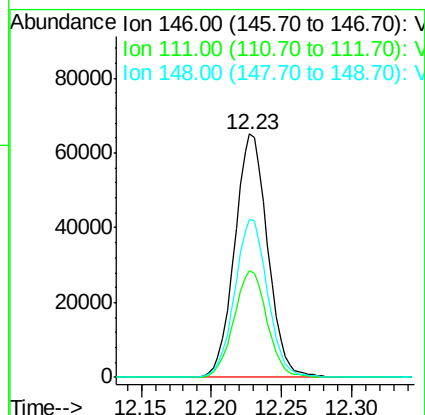
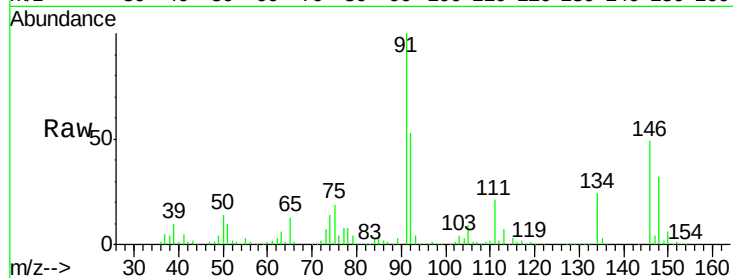
#85
 1,2-Dichlorobenzene
 Concen: 10.363 ug/l
 RT: 12.23 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU037151.D
 Acq: 10 Mar 2020 14:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	20.8	62.4
148	64.8	32.0	96.2

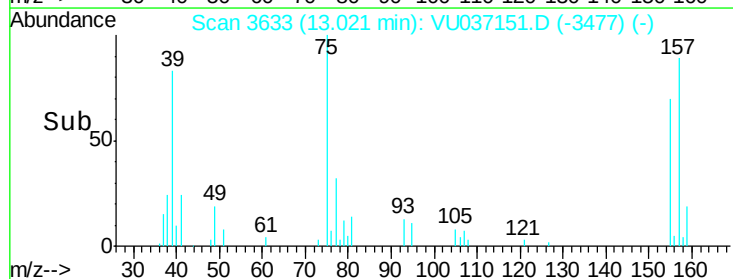
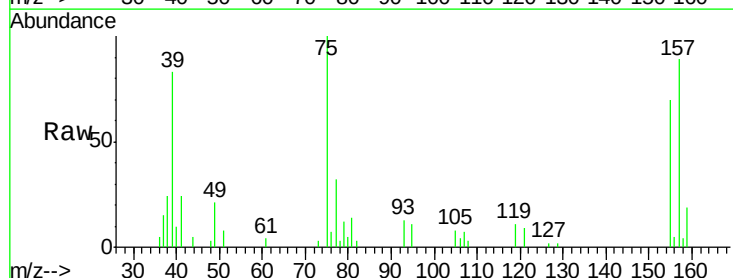
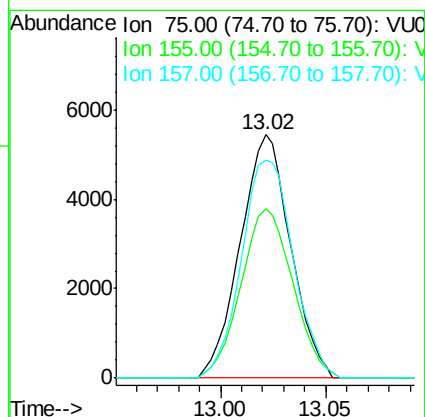
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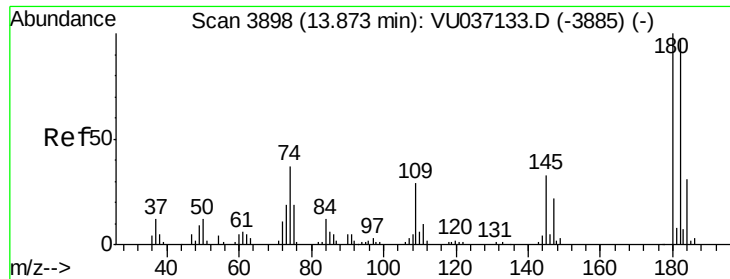
sam
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 10.731 ug/l
 RT: 13.02 min Scan# 3633
 Delta R.T. 0.00 min
 Lab File: VU037151.D
 Acq: 10 Mar 2020 14:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.8	71.8	107.8#
157	92.3	92.4	138.6#





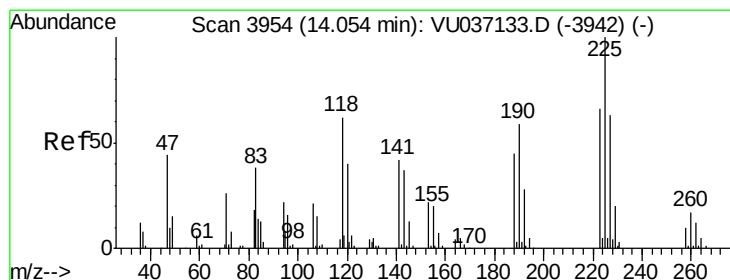
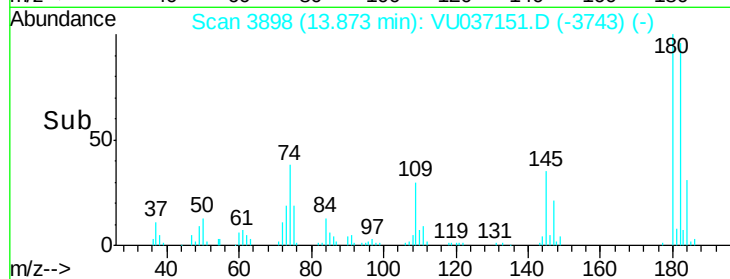
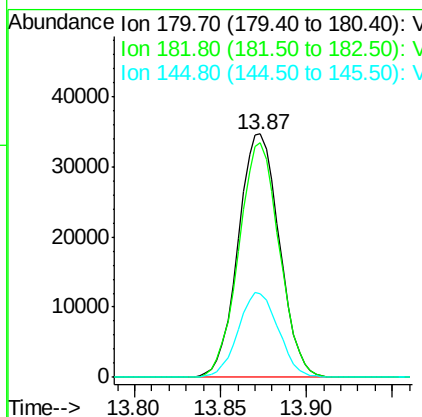
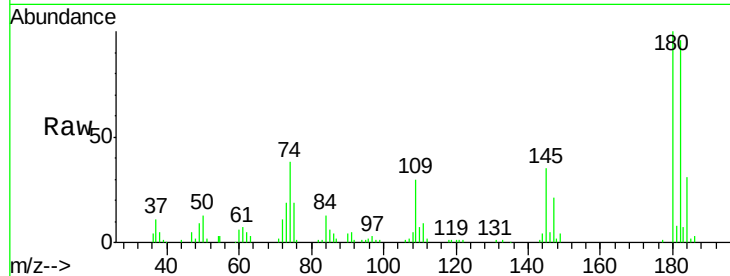
#87
 1,2,4-Trichlorobenzene
 Concen: 11.179 ug/l
 RT: 13.87 min Scan# 3898
 Delta R.T. -0.00 min
 Lab File: VU037151.D
 Acq: 10 Mar 2020 14:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.9	113.9
145	33.9	23.4	35.2

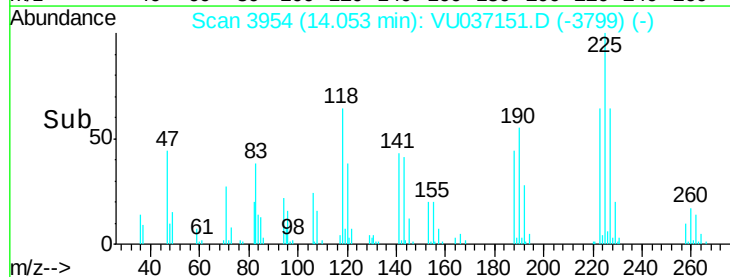
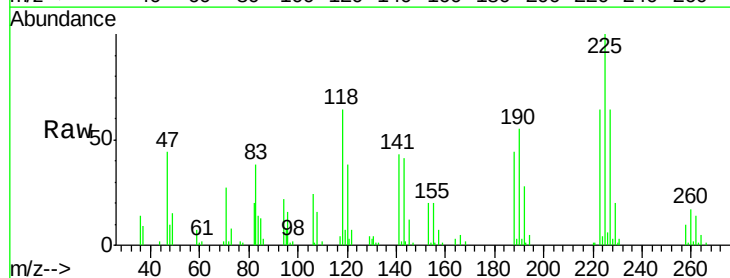
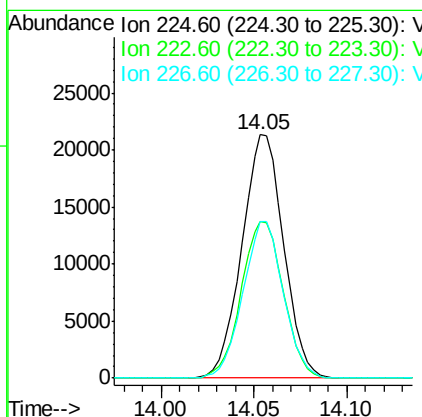
Manual Integrations
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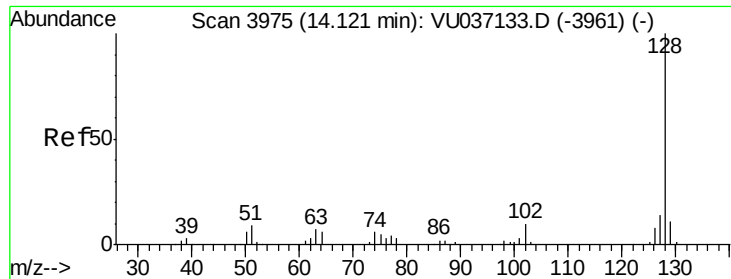
sam
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#88
 Hexachlorobutadiene
 Concen: 10.402 ug/l
 RT: 14.05 min Scan# 3954
 Delta R.T. -0.00 min
 Lab File: VU037151.D
 Acq: 10 Mar 2020 14:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.7	51.7	77.5
227	62.3	50.6	75.8





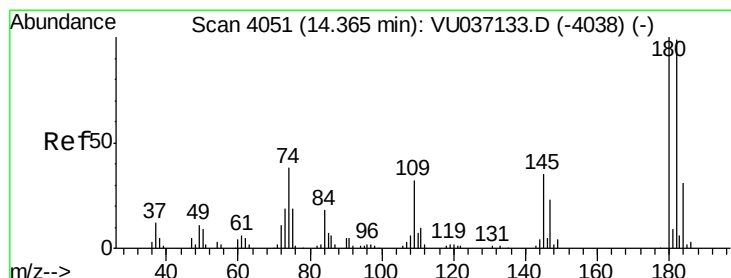
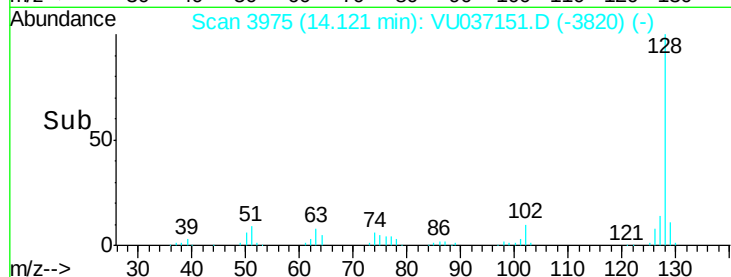
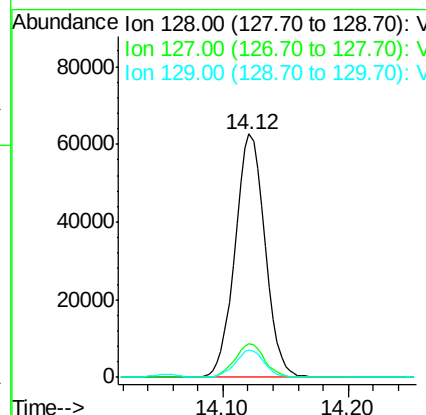
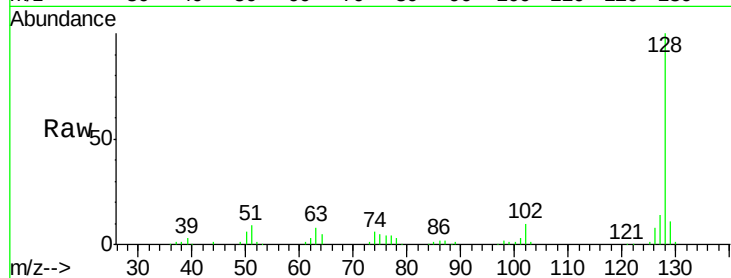
#89
Naphthalene
Concen: 9.923 ug/l
RT: 14.12 min Scan# 3975
Delta R.T. -0.00 min
Lab File: VU037151.D
Acq: 10 Mar 2020 14:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.5	15.7
129	10.9	8.7	13.1

Manual Integrations
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#90
1,2,3-Trichlorobenzene
Concen: 11.138 ug/l
RT: 14.37 min Scan# 4051
Delta R.T. -0.00 min
Lab File: VU037151.D
Acq: 10 Mar 2020 14:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.2	114.4
145	35.6	25.2	37.8

