

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102220\
 Data File : VU040922.D
 Acq On : 23 Oct 2020 00:51
 Operator : SY/MD
 Sample : VU1022WBS01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampled :
 VU1022WBS01

Manual Integrations
 APPROVED

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 10/26/2020 4:15:40 PM

Quant Time: Oct 23 07:42:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U102220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Oct 23 07:07:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	6.13	96	54697	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.63	95	19100	0.96	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	19859	0.95	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.39	85	50645	1.985	ug/l	96
3) Chloromethane	1.53	50	53797	2.023	ug/l	96
4) Vinyl Chloride	1.61	62	49683	2.007	ug/l	97
5) Bromomethane	1.87	94	29628	2.036	ug/l	99
6) Chloroethane	1.94	64	29911	1.977	ug/l	97
7) Trichlorofluoromethane	2.15	101	64215	2.053	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	36041	2.072	ug/l	99
9) 1,1-Dichloroethene	2.59	96	32984	2.178	ug/l	93
10) Iodomethane	2.74	142	30649	1.991	ug/l	98
11) Allyl Chloride	2.94	41	62712	2.011	ug/l	98
12) Acrylonitrile	3.34	53	22449	4.204	ug/l	99
13) Acetone	2.65	43	45384	10.154	ug/l	95
14) Carbon Disulfide	2.81	76	117959	2.072	ug/l	98
15) Methylene Chloride	3.06	84	41014	2.085	ug/l	97
16) trans-1,2-Dichloroethene	3.37	96	34824	2.031	ug/l	98
17) 1,1-Dichloroethane	3.89	63	74294	2.119	ug/l	99
18) 2-Butanone	4.74	43	78304	10.830	ug/l	100
19) Cyclohexane	5.40	56	66932m	2.028	ug/l	
20) Methylcyclohexane	6.77	83	39428	1.597	ug/l	88
21) 2,2-Dichloropropane	4.68	77	53936	1.822	ug/l	96
22) cis-1,2-Dichloroethene	4.69	96	37105	2.028	ug/l	98
23) Diethyl Ether	2.39	59	30135	2.015	ug/l	99
24) tert-Butyl Alcohol	3.24	59	38557	23.109	ug/l #	93
25) Methyl tert-Butyl Ether	3.38	73	94630	2.014	ug/l	96
26) Bromochloromethane	4.99	128	17131	2.155	ug/l	94
27) Chloroform	5.11	83	69138	2.063	ug/l	100
28) 1,1,1-Trichloroethane	5.33	97	58607	2.028	ug/l	98
29) 1,1-Dichloropropene	5.54	75	47456	1.875	ug/l	97
30) Carbon Tetrachloride	5.53	117	53535	2.047	ug/l	99
31) Isopropyl Ether	4.02	45	106842	1.970	ug/l	97
32) Ethyl-t-butyl ether	4.53	59	97276	2.037	ug/l	96
33) Tert-Amyl methyl ether	5.96	73	64509	1.814	ug/l	98
34) Propionitrile	4.81	54	21224	10.691	ug/l #	93
35) Benzene	5.79	78	137350	1.957	ug/l	97
36) 1,2-Dichloroethane	5.81	62	53525	2.058	ug/l	99
37) Trichloroethene	6.55	130	32868	1.981	ug/l	95
38) 1,2-Dichloropropane	6.80	63	39128	1.965	ug/l	95
39) Methacrylonitrile	5.00	41	18744	2.014	ug/l	94
40) Methyl acrylate	4.87	55	26066	2.043	ug/l #	95
41) Tetrahydrofuran	5.09	42	18578	3.881	ug/l	95
42) 1-Chlorobutane	5.47	56	74810	1.955	ug/l	97

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Instrument :
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 ClientSampleID :
 VU1022WBS01

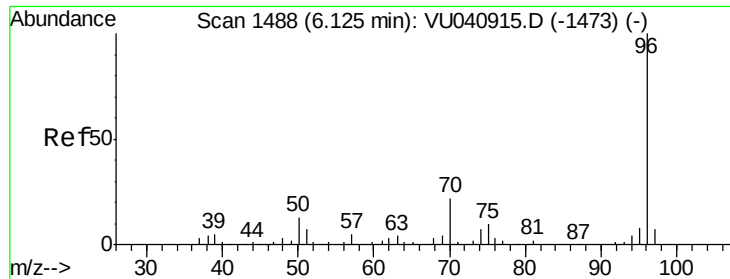
Manual Integrations
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Quant Time: Oct 23 07:42:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U102220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Oct 23 07:07:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.93	93	23013	2.063	ug/l	97
44) Bromodichloromethane	7.12	83	53500	2.065	ug/l	99
45) 4-Methyl-2-Pentanone	7.81	43	131712	8.992	ug/l	98
46) t-1,4-Dichloro-2-butene	10.83	75	16793m	2.899	ug/l	
47) Methyl methacrylate	6.98	69	33111	3.554	ug/l	96
48) Ethyl methacrylate	8.34	69	27016	1.724	ug/l	100
49) Toluene	7.98	92	72025	1.866	ug/l	96
50) t-1,3-Dichloropropene	8.22	75	41623	1.859	ug/l	93
51) cis-1,3-Dichloropropene	7.62	75	45188	1.842	ug/l	97
52) 1,1,2-Trichloroethane	8.41	97	29879	2.118	ug/l	96
53) 1,3-Dichloropropane	8.58	76	48980	1.934	ug/l	100
54) 2-Hexanone	8.70	43	92805	9.069	ug/l	94
55) Dibromochloromethane	8.81	129	34282	2.027	ug/l	96
56) 1,2-Dibromoethane	8.93	107	27813	2.126	ug/l	95
58) Tetrachloroethene	8.56	164	29885	1.927	ug/l	97
59) Chlorobenzene	9.45	112	76817	1.880	ug/l	94
60) 1,1,1,2-Tetrachloroethane	9.54	131	32601	2.031	ug/l	100
61) Pentachloroethane	11.42	117	26250	2.025	ug/l	94
62) Hexachloroethane	12.47	117	26682	2.022	ug/l	97
63) Ethyl Benzene	9.57	91	114066	1.686	ug/l	97
64) m/p-Xylenes	9.69	106	90614	3.392	ug/l	96
65) o-Xylene	10.10	106	42873	1.804	ug/l	97
66) Styrene	10.11	104	74214	1.723	ug/l	99
67) Bromoform	10.29	173	18420	2.012	ug/l	97
69) Isopropylbenzene	10.48	105	107036	1.689	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.78	83	38206	1.991	ug/l	100
71) 1,2,3-Trichloropropane	10.82	75	33495m	2.289	ug/l	
72) Bromobenzene	10.78	156	31264	1.892	ug/l	98
73) n-propylbenzene	10.90	120	30969	1.668	ug/l	90
74) 2-Chlorotoluene	10.98	126	31676	1.926	ug/l	93
75) 1,3,5-Trimethylbenzene	11.09	105	101491	1.739	ug/l	96
76) 4-Chlorotoluene	11.10	126	33239	1.950	ug/l	97
77) tert-Butylbenzene	11.42	119	95617	1.785	ug/l	98
78) 1,2,4-Trimethylbenzene	11.46	105	100846	1.680	ug/l	99
79) sec-Butylbenzene	11.64	105	135818	1.826	ug/l	97
80) Nitrobenzene	13.20	77	8831	9.728	ug/l #	92
81) p-Isopropyltoluene	11.79	119	106303	1.716	ug/l	98
82) 1,3-Dichlorobenzene	11.74	146	70274	1.950	ug/l	100
83) 1,4-Dichlorobenzene	11.83	146	68771	1.887	ug/l	96
84) n-Butylbenzene	12.20	91	102851	1.652	ug/l	98
85) 1,2-Dichlorobenzene	12.21	146	68917	1.999	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.99	75	7351	2.051	ug/l	86
87) 1,2,4-Trichlorobenzene	13.83	180	33772	1.671	ug/l	97
88) Hexachlorobutadiene	14.01	225	20589	1.815	ug/l	96
89) Naphthalene	14.08	128	60503	1.820	ug/l	98
90) 1,2,3-Trichlorobenzene	14.32	180	33985	1.729	ug/l	97

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.13 min Scan# 1489

Delta R.T. 0.00 min

Lab File: VU040922.D

Acq: 23 Oct 2020 00:51

Instrument :

MSVOA_U

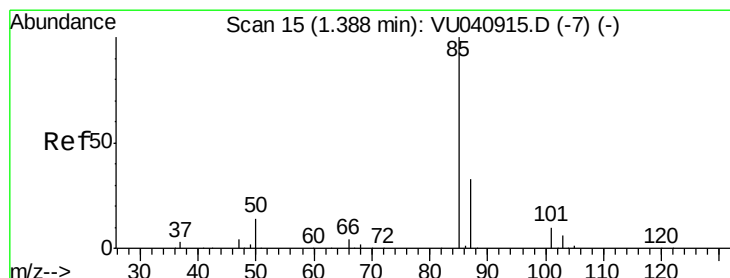
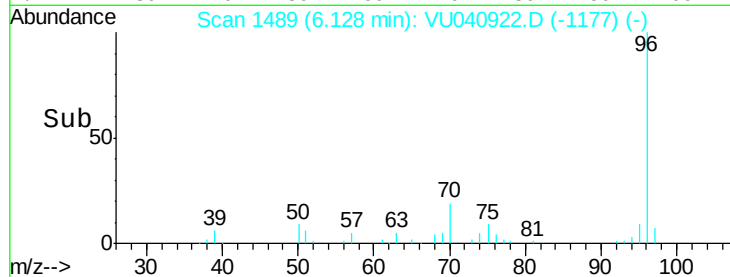
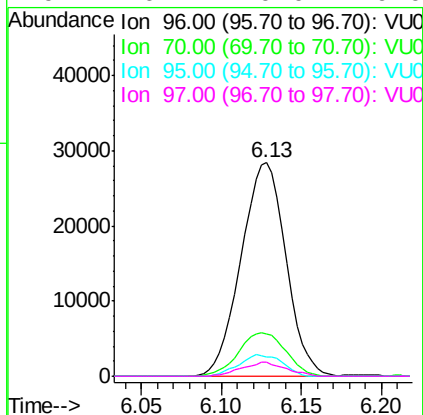
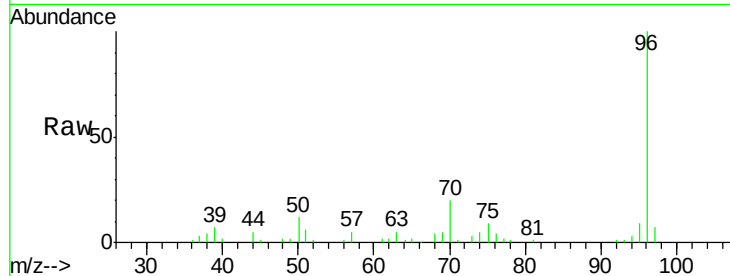
ClientSampleId :

VU1022WBS01

Tot Ion:	96	Resp:	54697
Ion	Ratio	Lower	Upper
96	100		
70	21.4	16.3	24.5
95	9.6	7.3	10.9
97	6.4	0.0	0.0#

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#2

Dichlorodifluoromethane

Concen: 1.985 ug/l

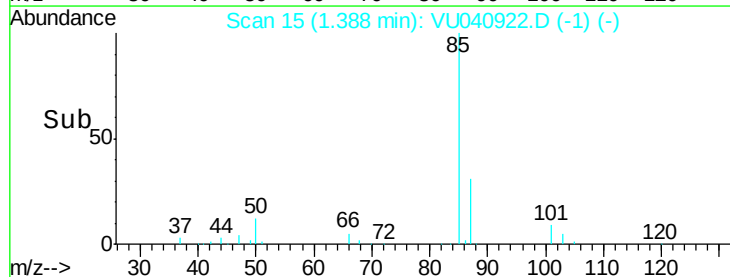
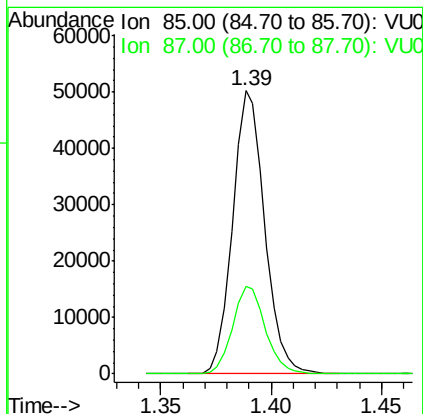
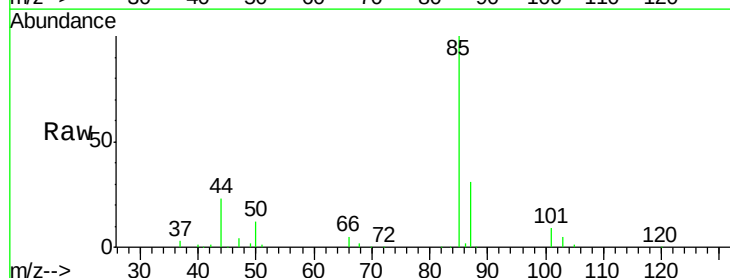
RT: 1.39 min Scan# 15

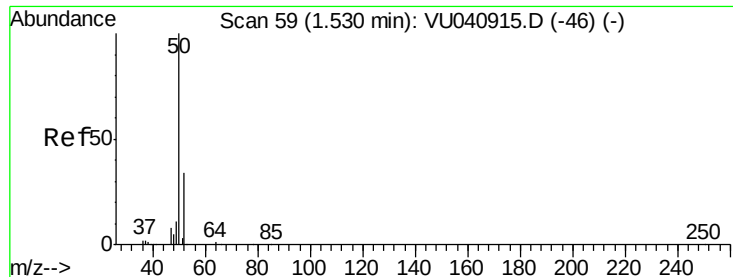
Delta R.T. 0.00 min

Lab File: VU040922.D

Acq: 23 Oct 2020 00:51

Tgt Ion:	85	Resp:	50645
Ion	Ratio	Lower	Upper
85	100		
87	31.0	16.5	49.5





#3

Chloromethane

Concen: 2.023 ug/l

RT: 1.53 min Scan# 59

Delta R.T. 0.00 min

Lab File: VU040922.D

Acq: 23 Oct 2020 00:51

Instrument :

MSVOA_U

ClientSampleId :

VU1022WBS01

Tot Ion: 50 Resp: 53797

Ion Ratio Lower Upper

50 100

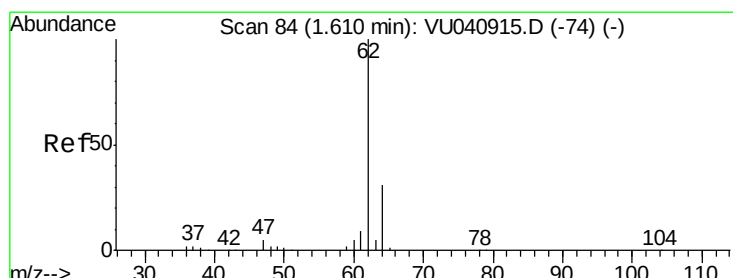
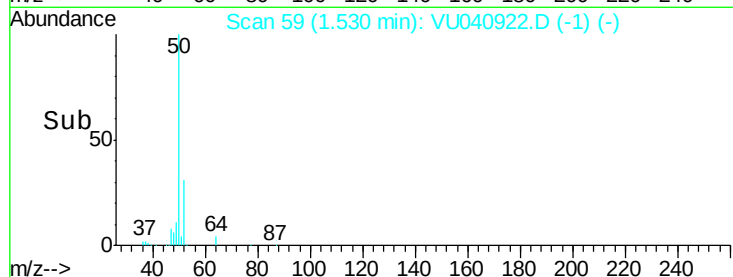
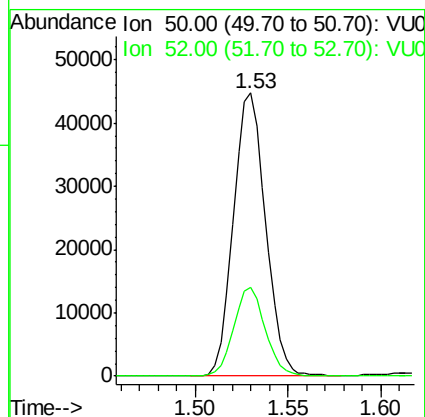
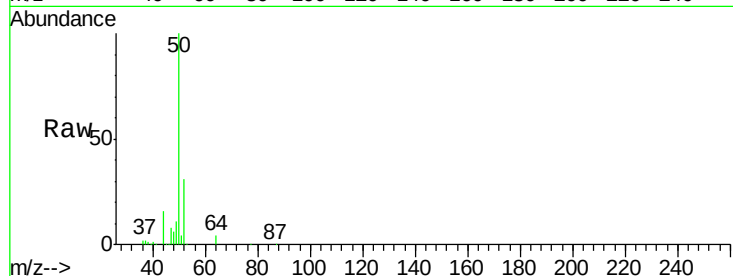
52 31.3 26.9 40.3

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#4

Vinyl Chloride

Concen: 2.007 ug/l

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040922.D

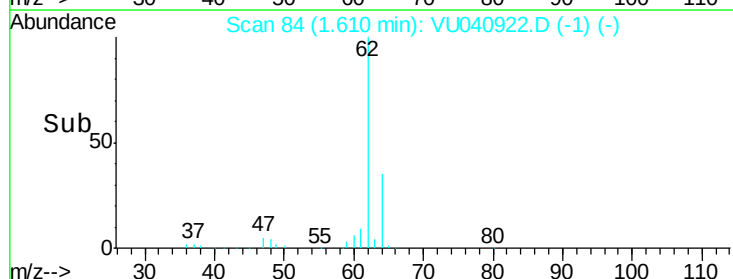
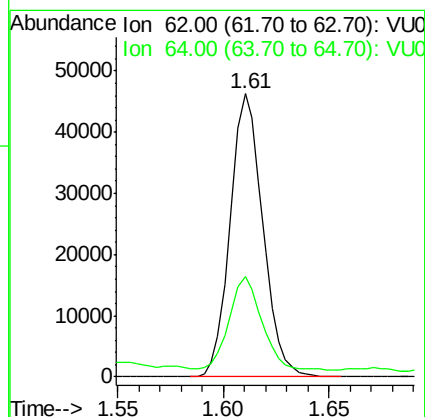
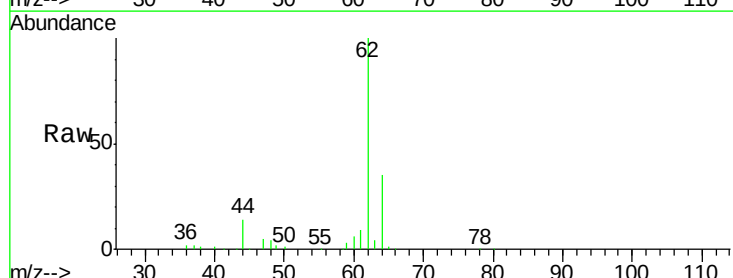
Acq: 23 Oct 2020 00:51

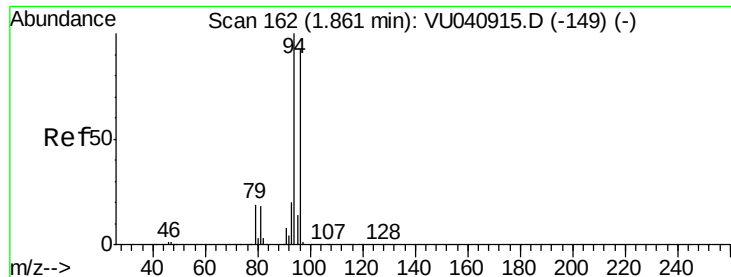
Tgt Ion: 62 Resp: 49683

Ion Ratio Lower Upper

62 100

64 32.8 24.7 37.1





#5

Bromomethane

Concen: 2.036 ug/l

RT: 1.87 min Scan# 164

Delta R.T. 0.01 min

Lab File: VU040922.D

Acq: 23 Oct 2020 00:51

Instrument :

MSVOA_U

ClientSampleId :

VU1022WBS01

Tot Ion: 94 Resp: 29628

Ion Ratio Lower Upper

94 100

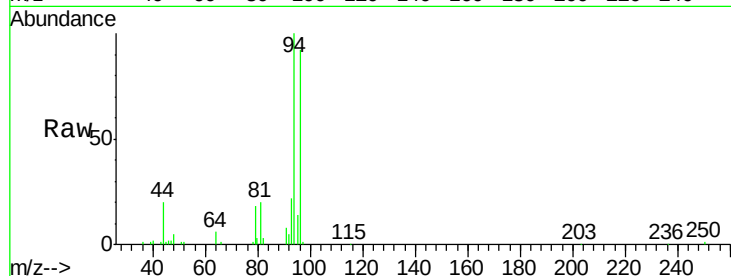
96 92.2 74.4 111.6

Manual Integrations

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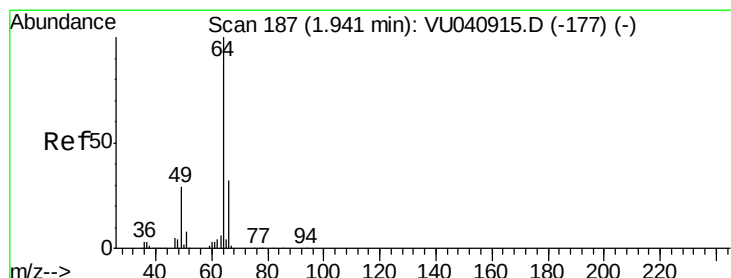
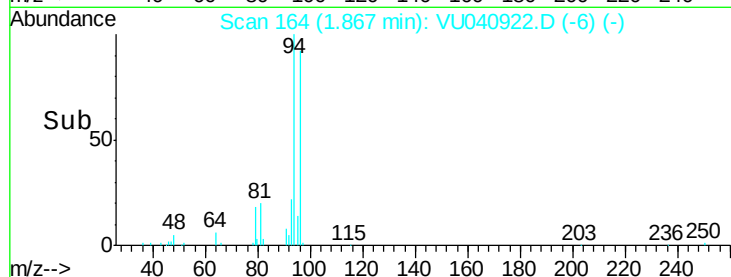
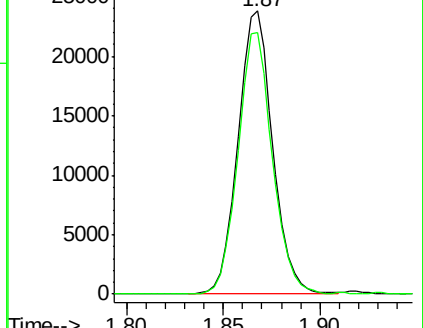
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Abundance Ion 94.00 (93.70 to 94.70): VU040922.D (-6) (-)

Ion 96.00 (95.70 to 96.70): VU040922.D (-6) (-)



#6

Chloroethane

Concen: 1.977 ug/l

RT: 1.94 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU040922.D

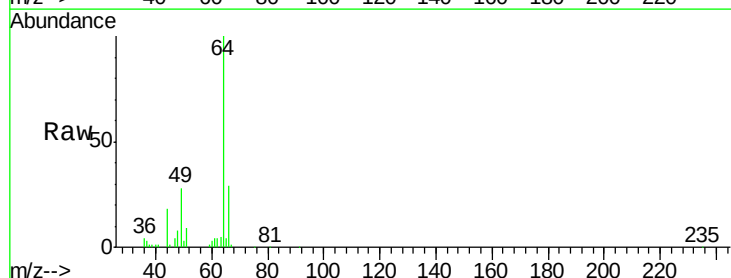
Acq: 23 Oct 2020 00:51

Tgt Ion: 64 Resp: 29911

Ion Ratio Lower Upper

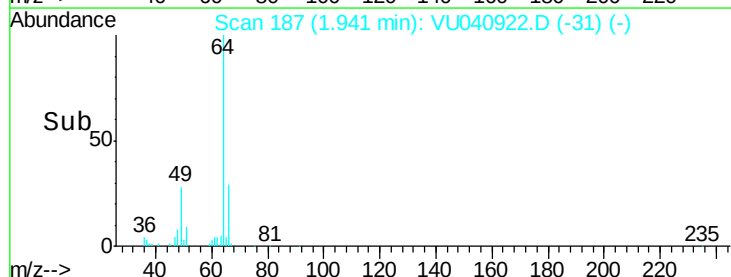
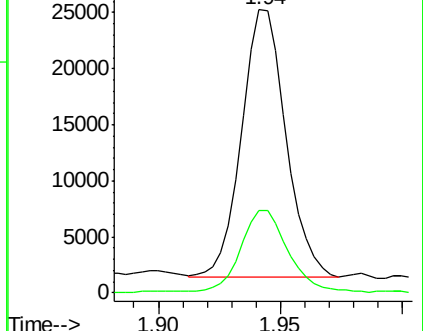
64 100

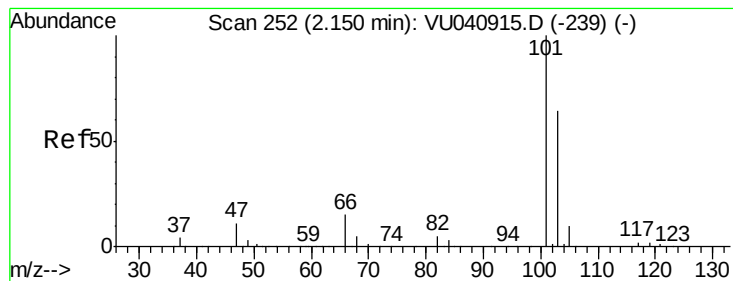
66 30.3 25.4 38.2



Abundance Ion 64.00 (63.70 to 64.70): VU040922.D (-31) (-)

Ion 66.00 (65.70 to 66.70): VU040922.D (-31) (-)





#7

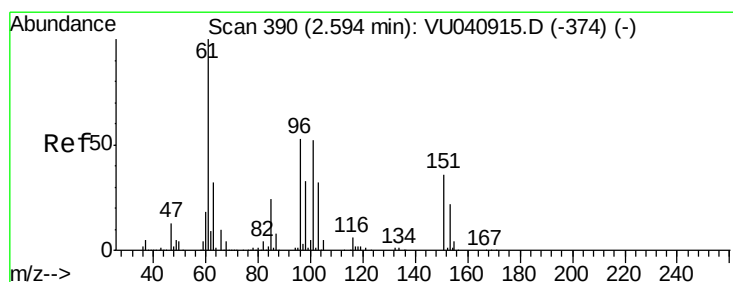
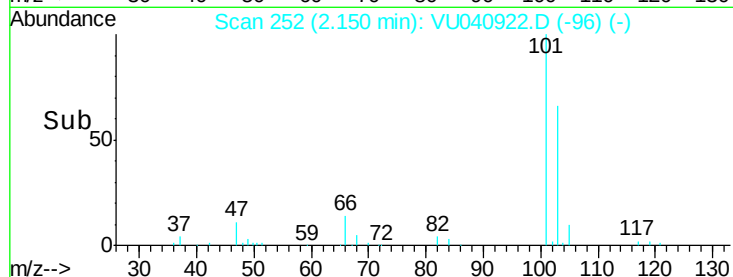
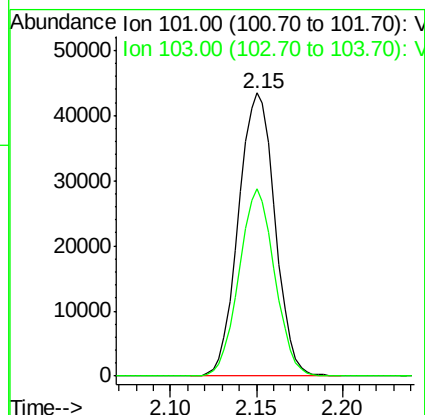
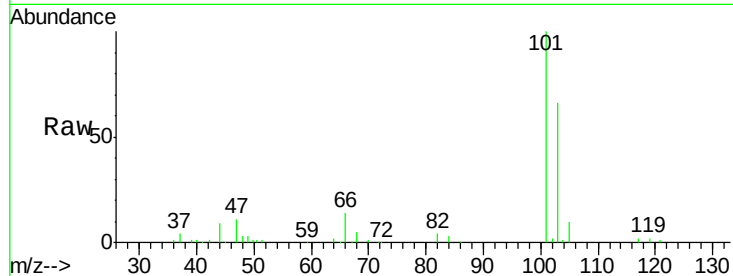
Trichlorofluoromethane
Concen: 2.053 ug/l
RT: 2.15 min Scan# 252
Delta R.T. 0.00 min
Lab File: VU040922.D
Acq: 23 Oct 2020 00:51

Instrument :
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ClientSampleId :
VU1022WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	51.5	77.3

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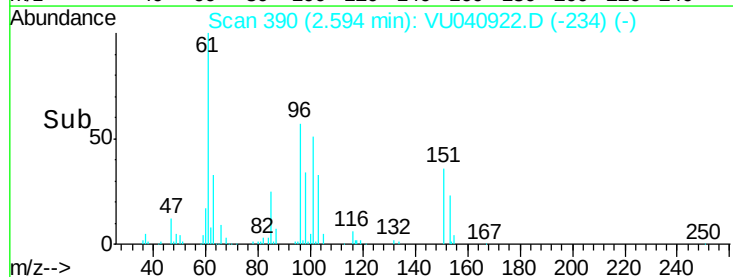
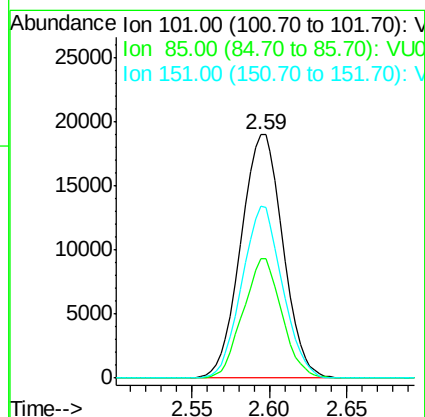
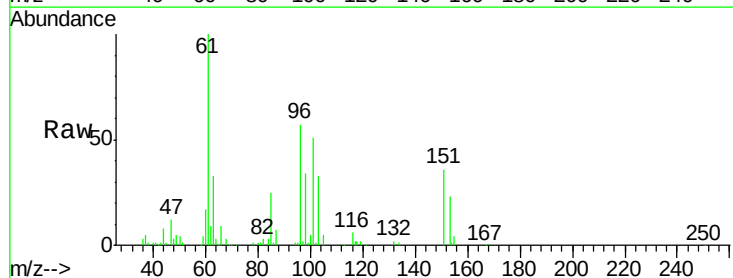
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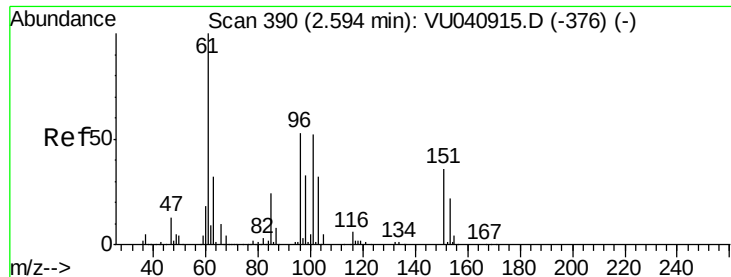


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.072 ug/l
RT: 2.59 min Scan# 390
Delta R.T. 0.00 min
Lab File: VU040922.D
Acq: 23 Oct 2020 00:51

Tgt Ion	Ratio	Lower	Upper
101	100		
85	45.1	36.2	54.2
151	67.8	55.1	82.7





#9

1,1-Dichloroethene

Concen: 2.178 ug/l

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040922.D

Acq: 23 Oct 2020 00:51

Instrument :

MSVOA_U

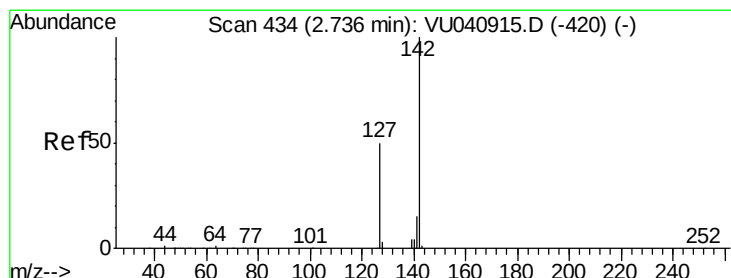
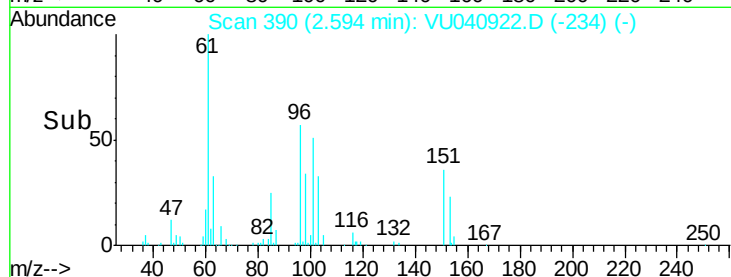
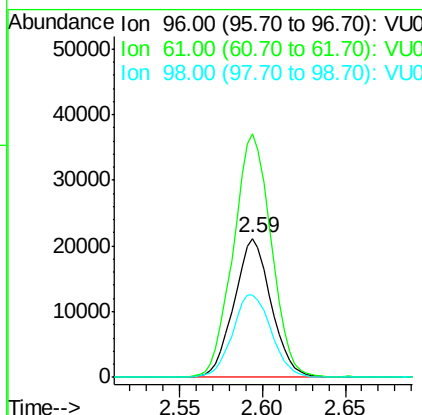
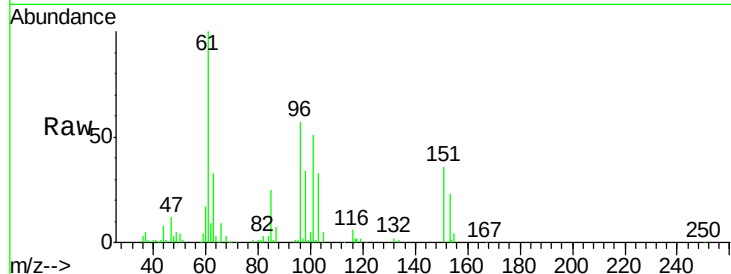
ClientSampled :

VU1022WBS01

Tot Ion:	96	Resp:	32984
Ion	Ratio	Lower	Upper
96	100		
61	175.1	0.0	561.9
98	59.1	0.0	125.0

Manual Integrations
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#10

Iodomethane

Concen: 1.991 ug/l

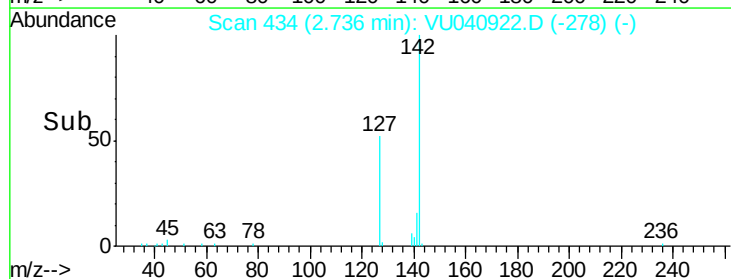
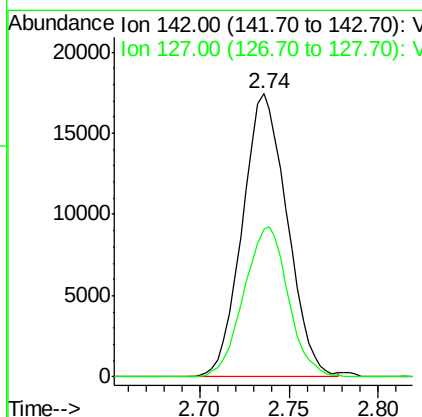
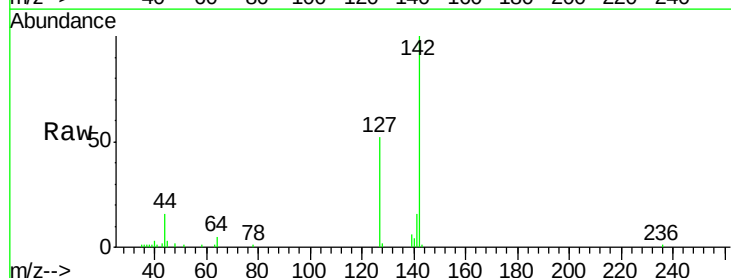
RT: 2.74 min Scan# 434

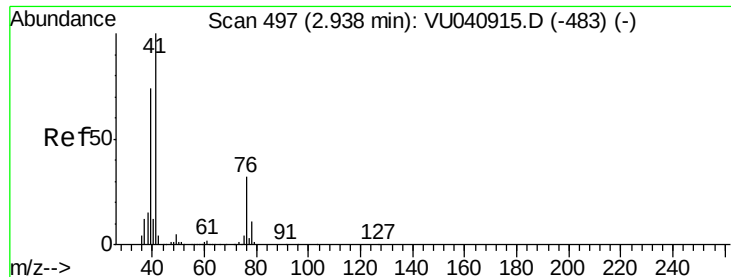
Delta R.T. 0.00 min

Lab File: VU040922.D

Acq: 23 Oct 2020 00:51

Tgt Ion:	142	Resp:	30649
Ion	Ratio	Lower	Upper
142	100		
127	52.4	40.6	60.8





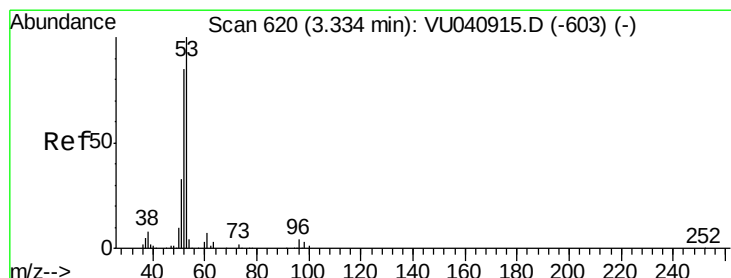
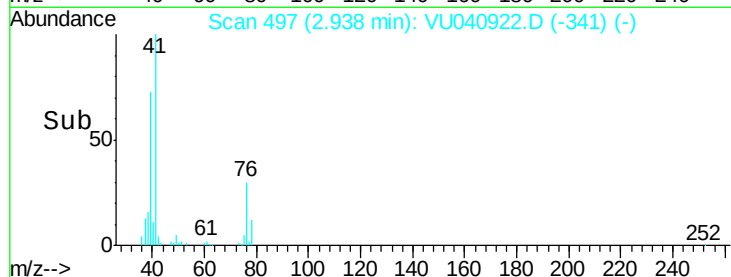
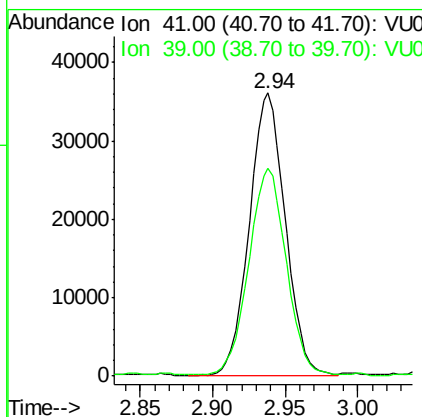
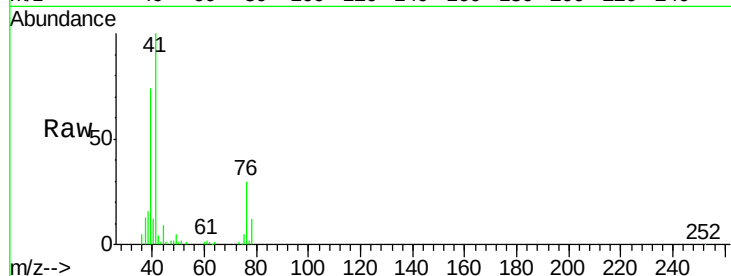
#11
Allvl Chloride
Concen: 2.011 ug/l
RT: 2.94 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU040922.D
Acq: 23 Oct 2020 00:51

Instrument :
MSVOA_U
ClientSampleId :
VU1022WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	75.5	59.0	88.4

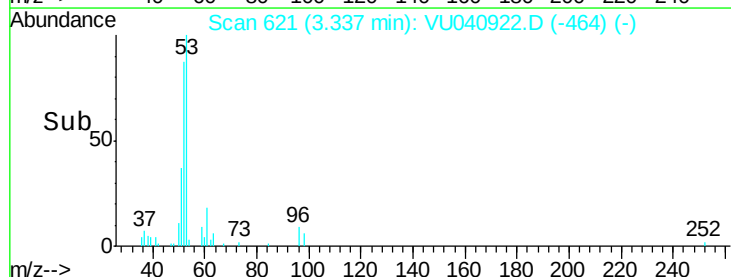
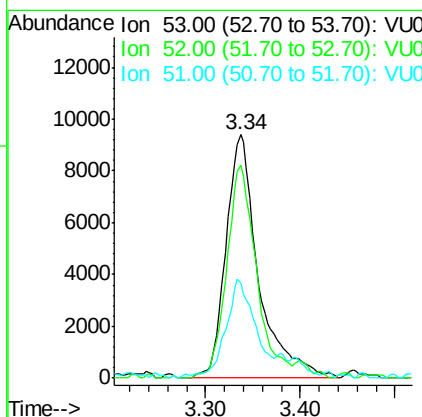
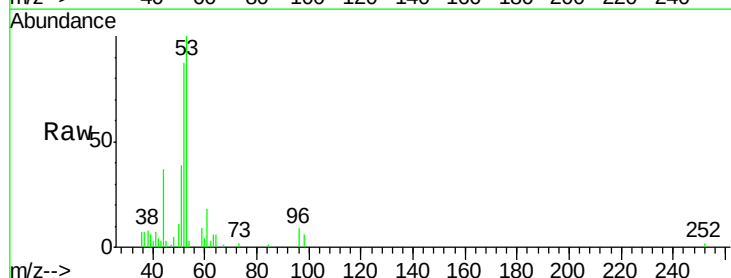
Manual Integrations
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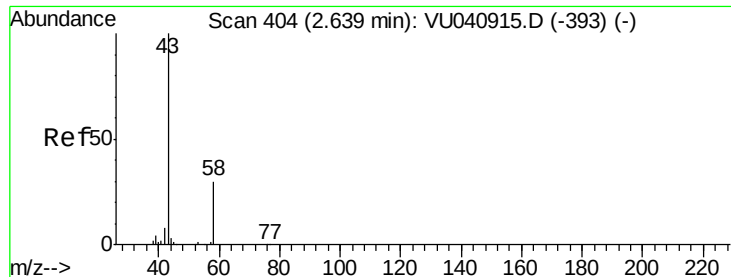
MMDadoda
10/26/2020 4:15:40 PM



#12
Acrylonitrile
Concen: 4.204 ug/l
RT: 3.34 min Scan# 621
Delta R.T. 0.00 min
Lab File: VU040922.D
Acq: 23 Oct 2020 00:51

Tgt Ion	Ratio	Lower	Upper
53	100		
52	79.9	63.1	94.7
51	37.0	30.6	46.0





#13

Acetone

Concen: 10.154 ug/l

RT: 2.65 min Scan# 406

Delta R.T. 0.01 min

Lab File: VU040922.D

Acq: 23 Oct 2020 00:51

Instrument :

MSVOA_U

ClientSampleId :

VU1022WBS01

Tot Ion: 43 Resp: 45384

Ion Ratio Lower Upper

43 100

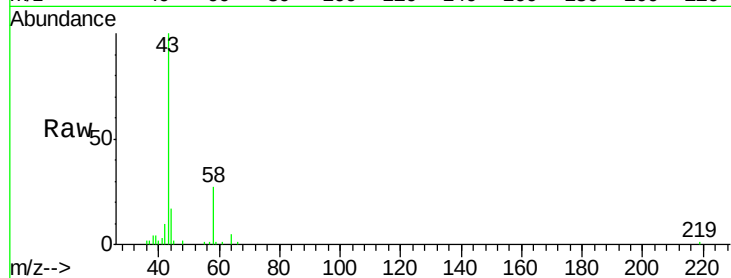
58 27.0 23.6 35.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU040922.D (-248) (-)

Ion 58.00 (57.70 to 58.70): VU040922.D (-248) (-)

2.65

20000

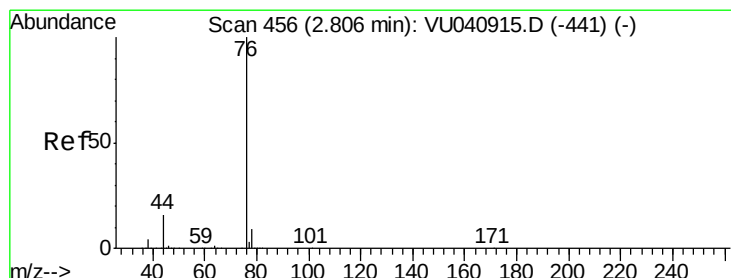
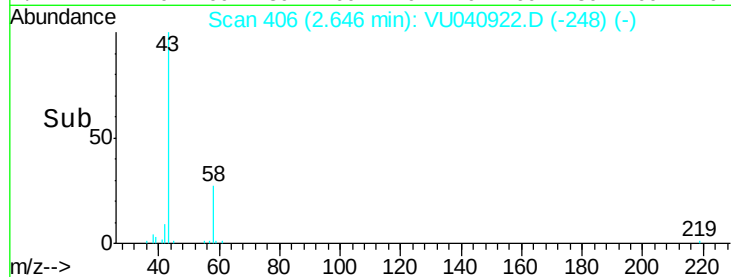
15000

10000

5000

0

Time--> 2.55 2.60 2.65 2.70 2.75



#14

Carbon Disulfide

Concen: 2.072 ug/l

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040922.D

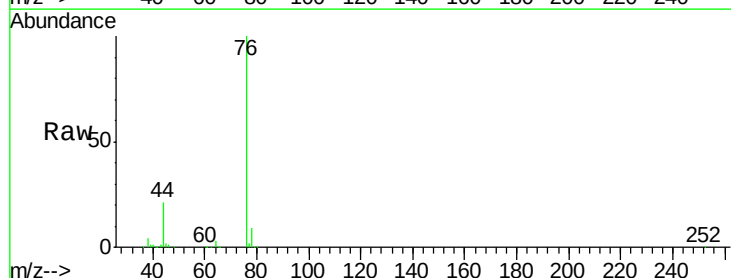
Acq: 23 Oct 2020 00:51

Tgt Ion: 76 Resp: 117959

Ion Ratio Lower Upper

76 100

78 8.3 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU040922.D (-300) (-)

Ion 78.00 (77.70 to 78.70): VU040922.D (-300) (-)

2.81

80000

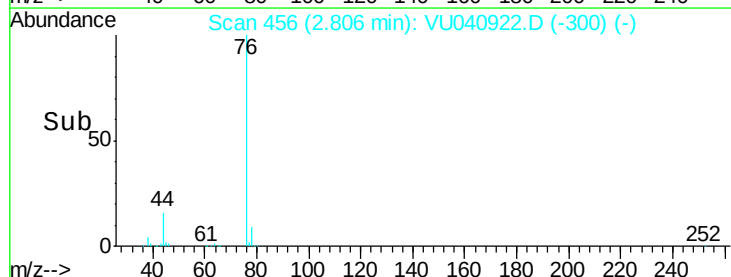
60000

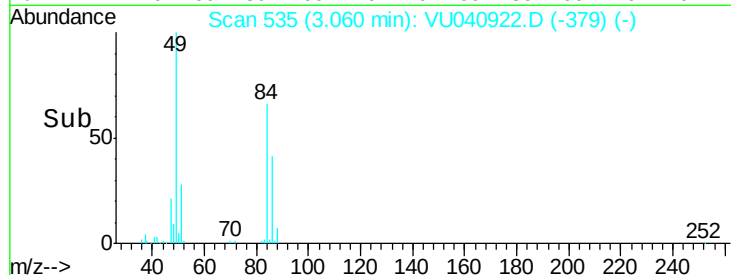
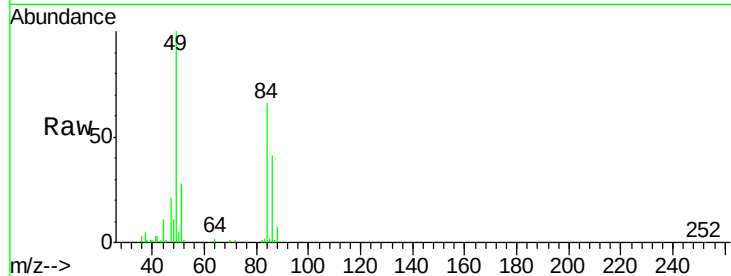
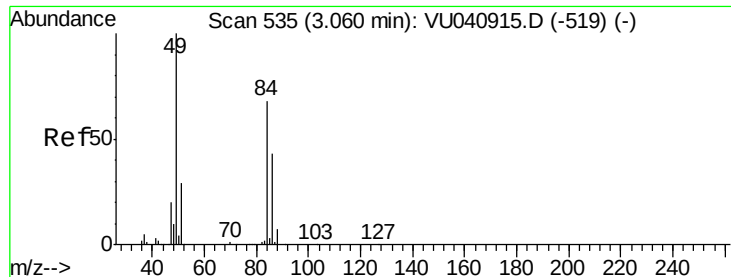
40000

20000

0

Time--> 2.75 2.80 2.85 2.90





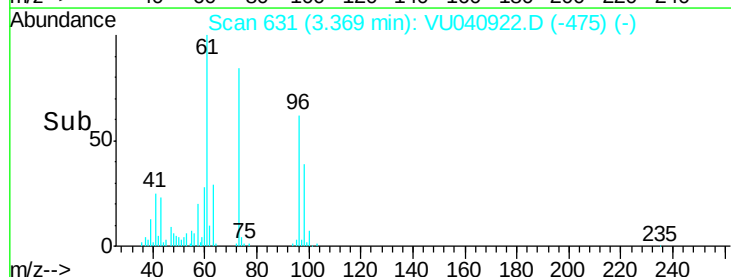
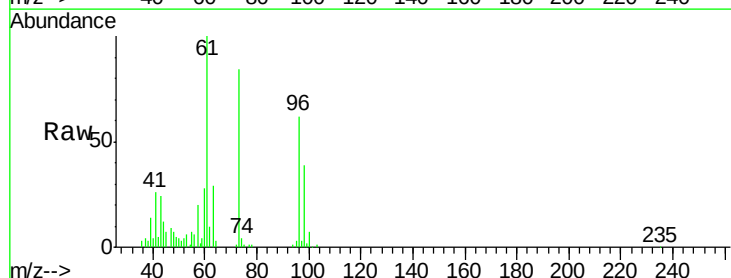
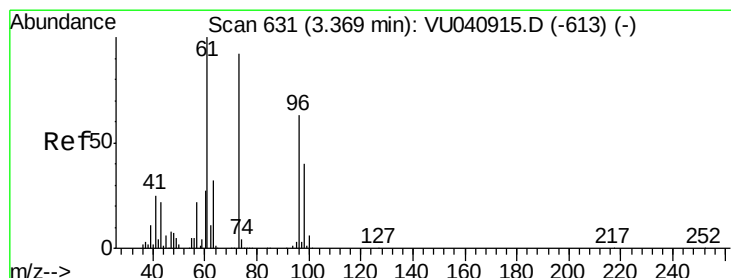
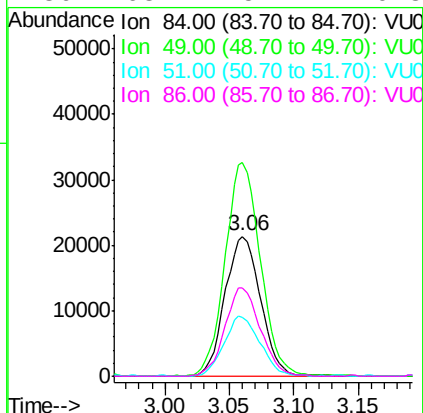
#15
Methylene Chloride
Concen: 2.085 ug/l
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU040922.D
Acq: 23 Oct 2020 00:51

Tot Ion:	84	Resp:	41014
Ion	Ratio	Lower	Upper
84	100		
49	152.0	118.2	177.4
51	42.1	0.0	86.8
86	63.2	51.2	76.8

Instrument :
MSVOA_U
ClientSampled :
VU1022WBS01

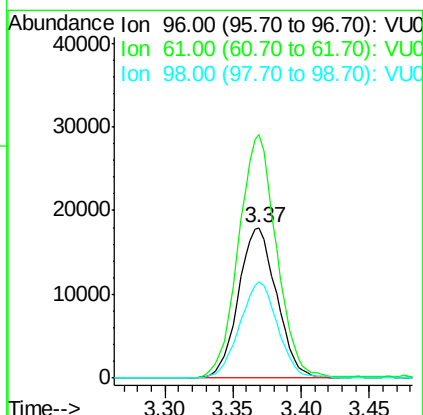
Manual Integrations
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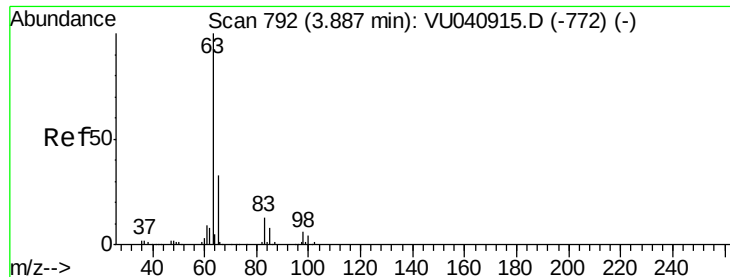
MMDadoda
10/26/2020 4:15:40 PM



#16
trans-1,2-Dichloroethene
Concen: 2.031 ug/l
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU040922.D
Acq: 23 Oct 2020 00:51

Tgt Ion:	96	Resp:	34824
Ion	Ratio	Lower	Upper
96	100		
61	162.0	127.0	190.4
98	63.7	51.2	76.8





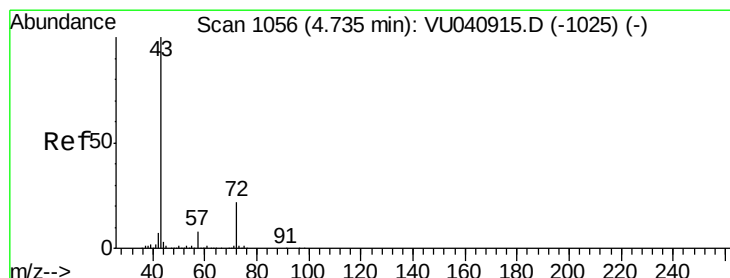
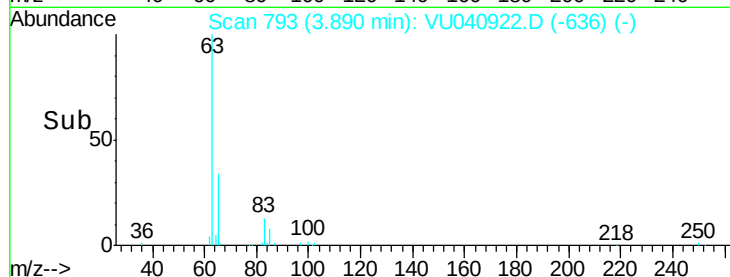
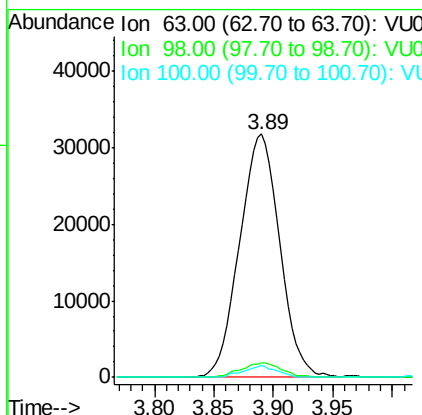
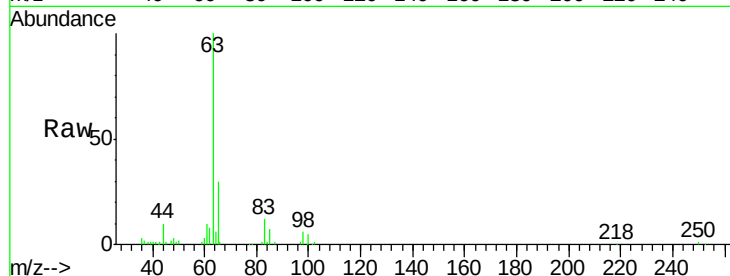
#17
 1,1-Dichloroethane
 Concen: 2.119 ug/l
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU040922.D
 Acq: 23 Oct 2020 00:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1022WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
98	5.9	3.0	9.2
100	4.7	1.8	5.5

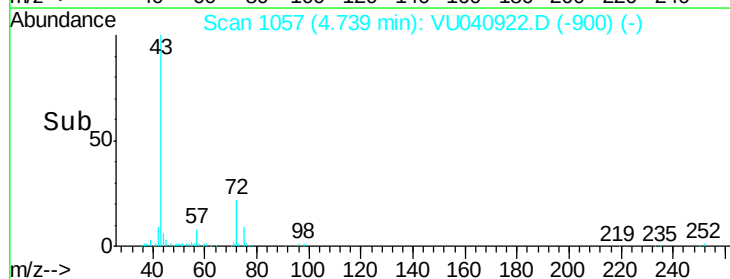
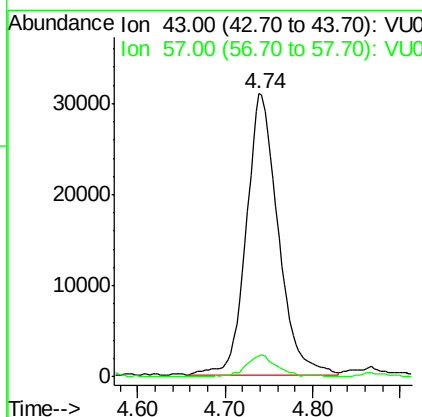
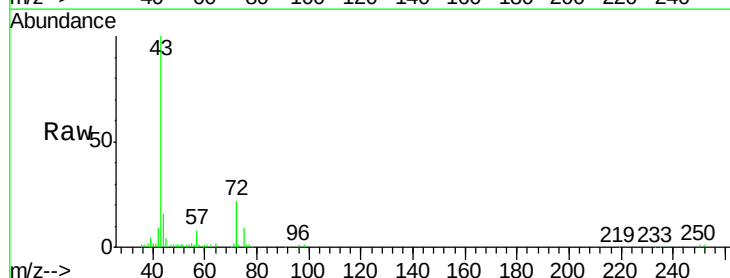
Manual Integrations
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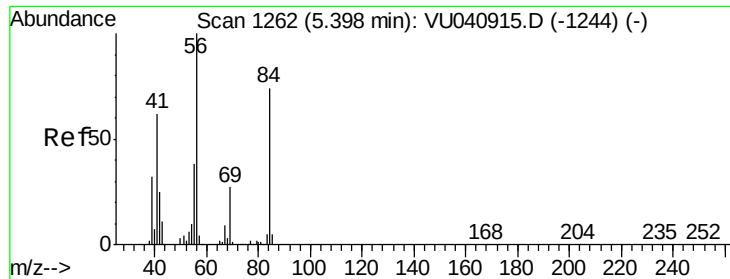
MMDadoda
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#18
 2-Butanone
 Concen: 10.830 ug/l
 RT: 4.74 min Scan# 1057
 Delta R.T. 0.00 min
 Lab File: VU040922.D
 Acq: 23 Oct 2020 00:51

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.6	0.0	15.2





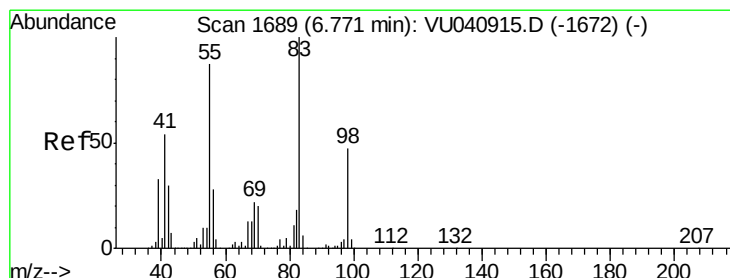
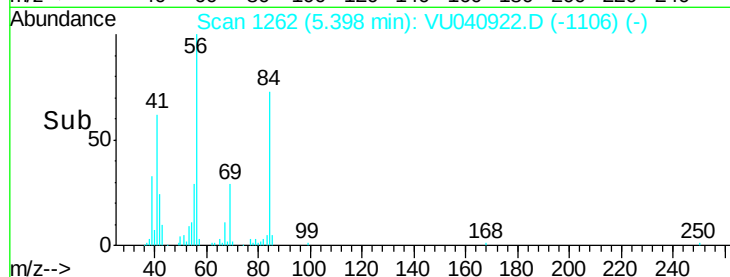
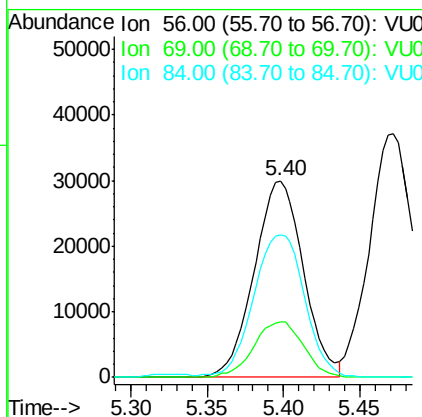
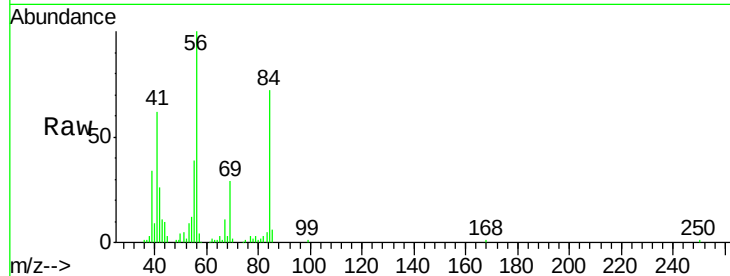
#19
Cyclohexane
Concen: 2.028 ug/l m
RT: 5.40 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VU040922.D
Acq: 23 Oct 2020 00:51

Instrument :
MSVOA_U
ClientSampleId :
VU1022WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.6	22.2	33.2
84	74.0	60.1	90.1

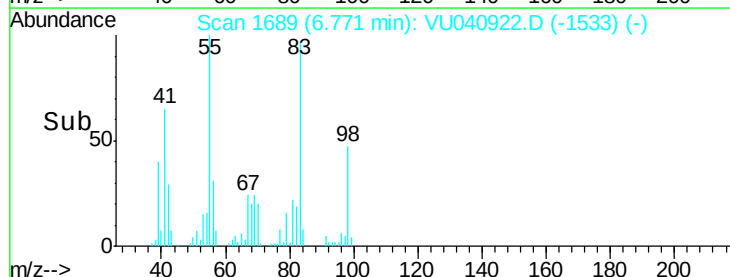
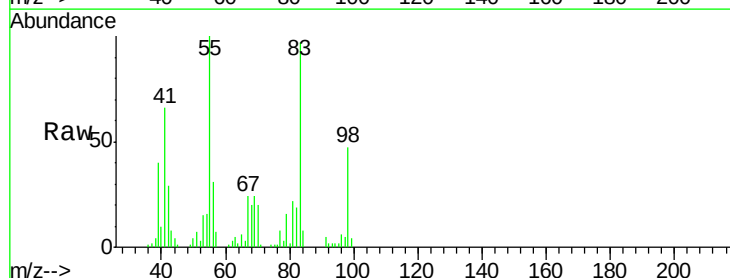
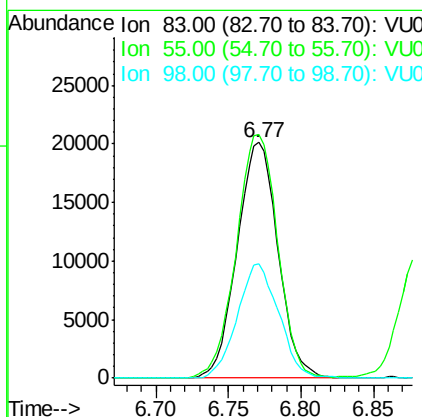
Manual Integrations
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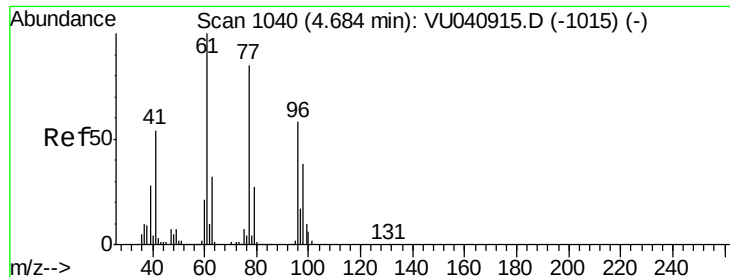
MMDadoda
10/26/2020 4:15:40 PM



#20
Methylcyclohexane
Concen: 1.597 ug/l
RT: 6.77 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VU040922.D
Acq: 23 Oct 2020 00:51

Tgt Ion	Ratio	Lower	Upper
83	100		
55	104.6	71.0	106.4
98	49.0	38.1	57.1





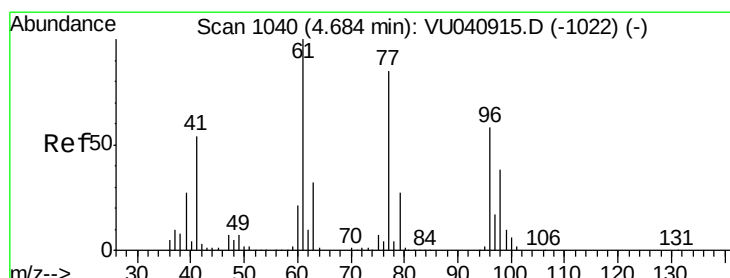
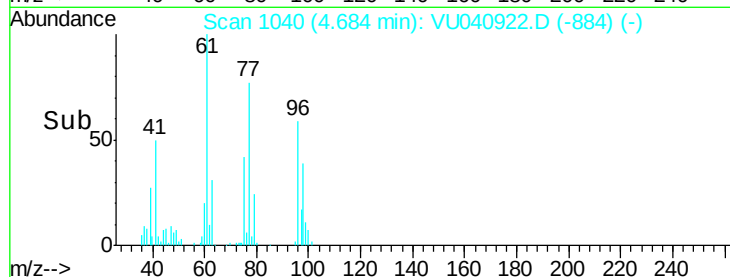
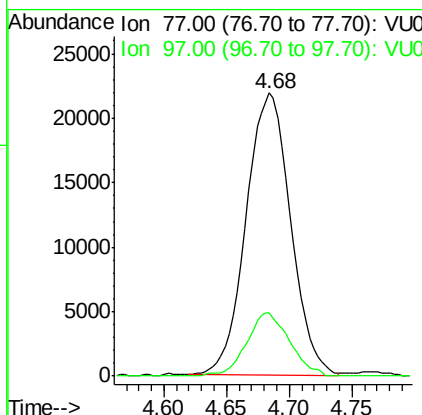
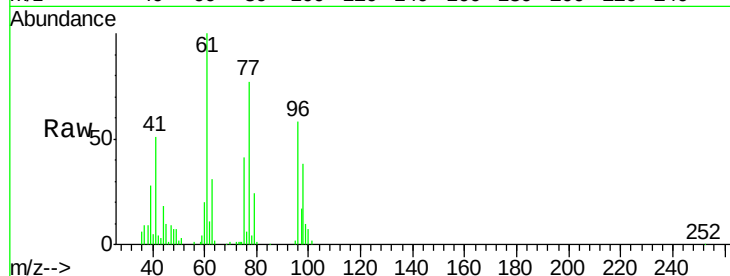
#21
 2,2-Dichloropropane
 Concen: 1.822 ug/l
 RT: 4.68 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: VU040922.D
 Acq: 23 Oct 2020 00:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1022WBS01

Tot Ion: 77 Resp: 53936
 Ion Ratio Lower Upper
 77 100
 97 21.7 16.0 24.0

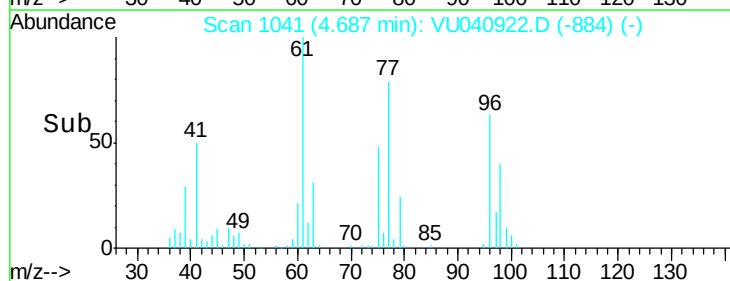
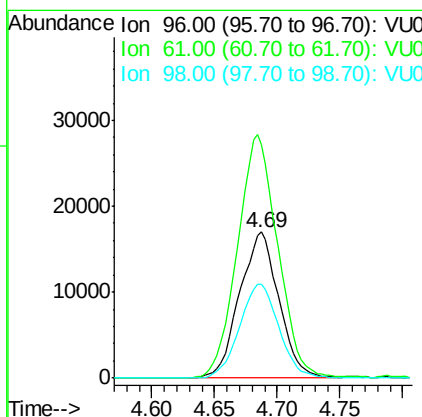
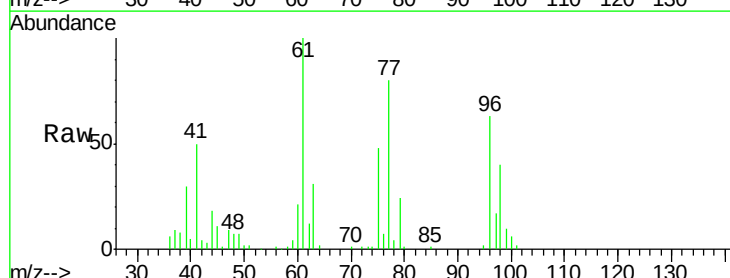
Manual Integrations
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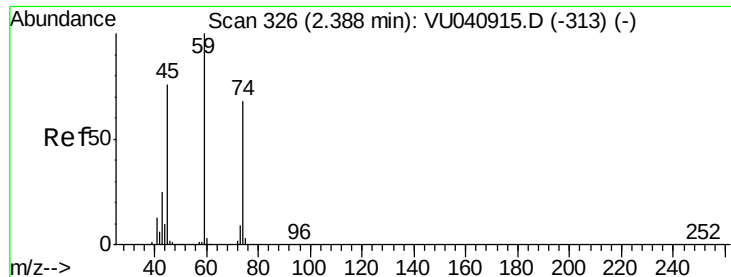
MMDadoda
 10/26/2020 4:15:40 PM



#22
 cis-1,2-Dichloroethene
 Concen: 2.028 ug/l
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU040922.D
 Acq: 23 Oct 2020 00:51

Tgt Ion: 96 Resp: 37105
 Ion Ratio Lower Upper
 96 100
 61 170.9 0.0 434.5
 98 64.7 32.6 97.8





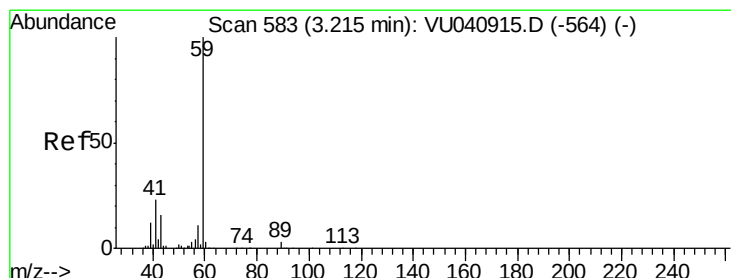
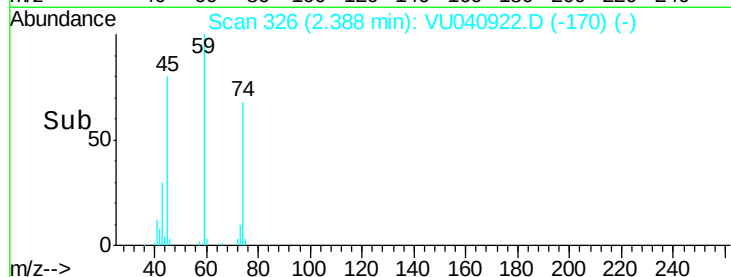
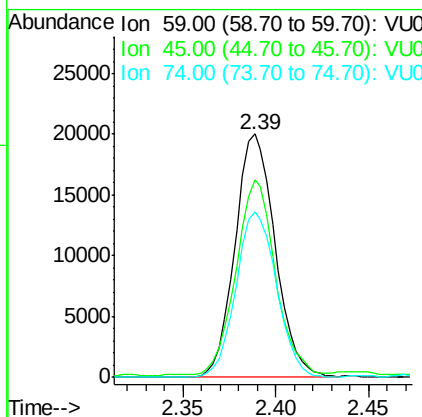
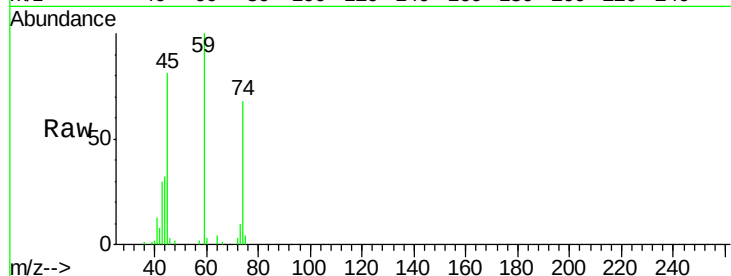
#23
Diethyl Ether
Concen: 2.015 ug/l
RT: 2.39 min Scan# 326
Delta R.T. 0.00 min
Lab File: VU040922.D
Acq: 23 Oct 2020 00:51

Instrument :
MSVOA_U
ClientSampleId :
VU1022WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
45	78.1	61.4	92.2
74	68.6	55.0	82.4

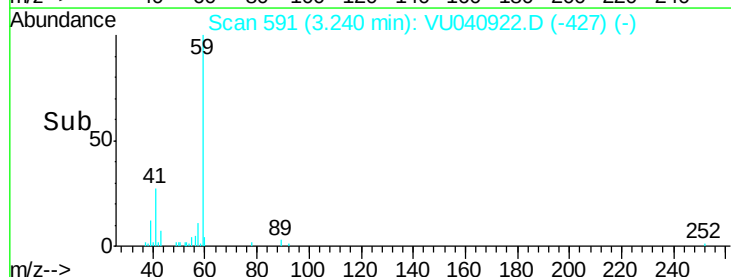
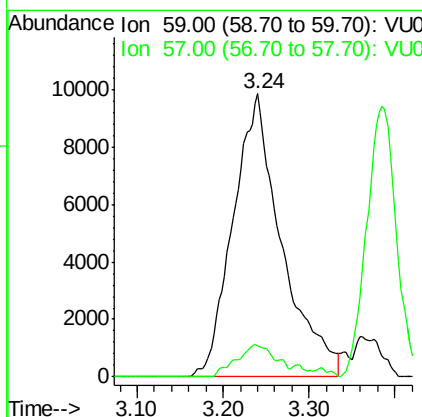
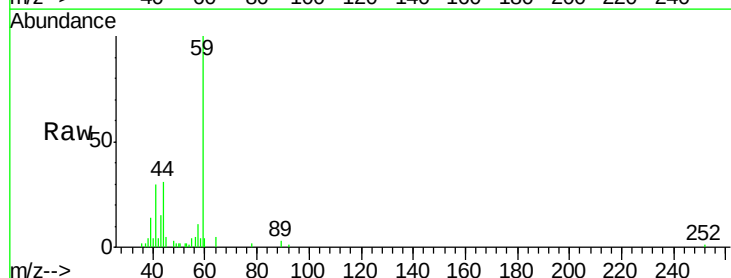
Manual Integrations
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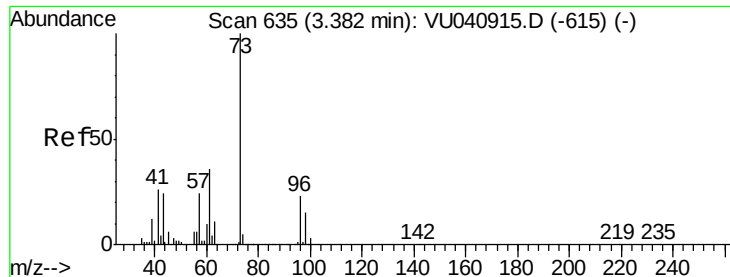
MMDadoda
10/26/2020 4:15:40 PM



#24
tert-Butyl Alcohol
Concen: 23.109 ug/l
RT: 3.24 min Scan# 591
Delta R.T. 0.03 min
Lab File: VU040922.D
Acq: 23 Oct 2020 00:51

Tgt Ion	Ratio	Lower	Upper
59	100		
57	8.0	8.4	12.6#





#25

Methvl tert-Butvl Ether

Concen: 2.014 ug/l

RT: 3.38 min Scan# 635

Delta R.T. 0.00 min

Lab File: VU040922.D

Acq: 23 Oct 2020 00:51

Instrument :

MSVOA_U

ClientSampleId :

VU1022WBS01

Tot Ion: 73 Resp: 94630

Ion Ratio Lower Upper

73 100

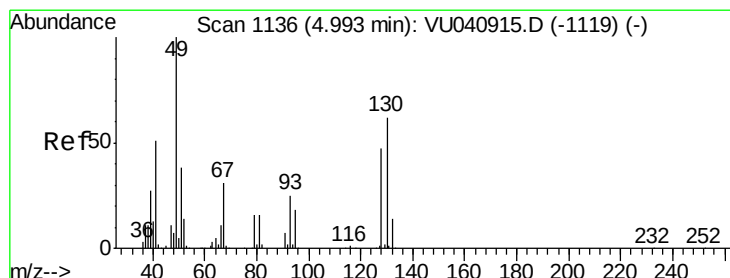
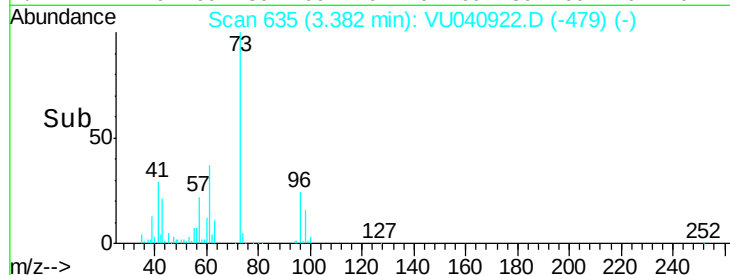
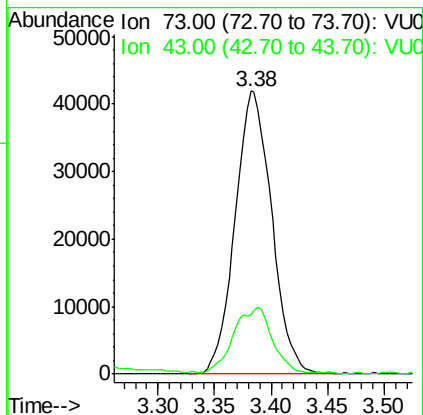
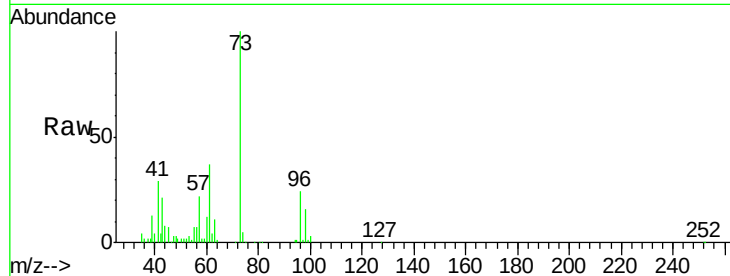
43 25.6 19.0 28.6

Manual Integrations

APPROVED

MMDadoda

10/26/2020 4:15:40 PM



#26

Bromochloromethane

Concen: 2.155 ug/l

RT: 4.99 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VU040922.D

Acq: 23 Oct 2020 00:51

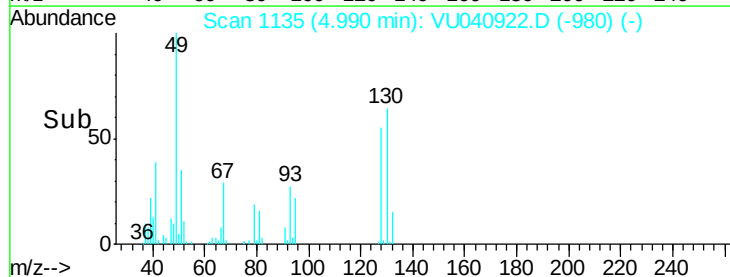
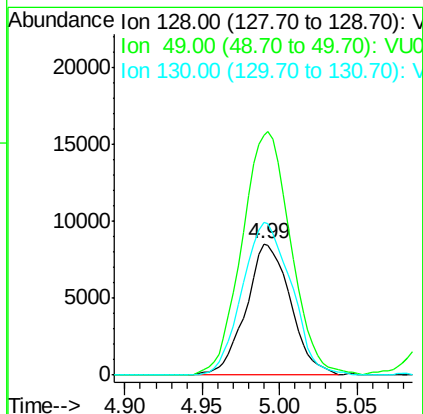
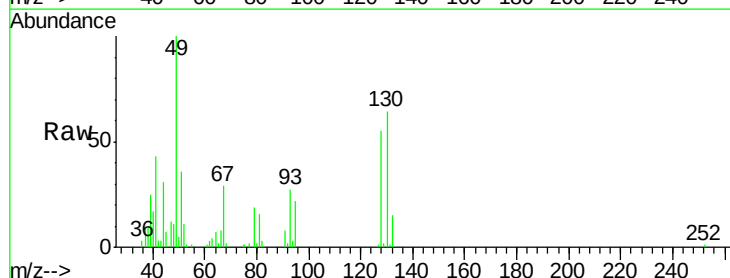
Tgt Ion: 128 Resp: 17131

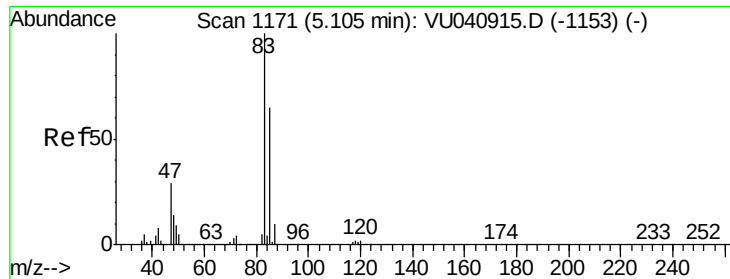
Ion Ratio Lower Upper

128 100

49 202.4 0.0 426.4

130 128.0 106.2 159.4





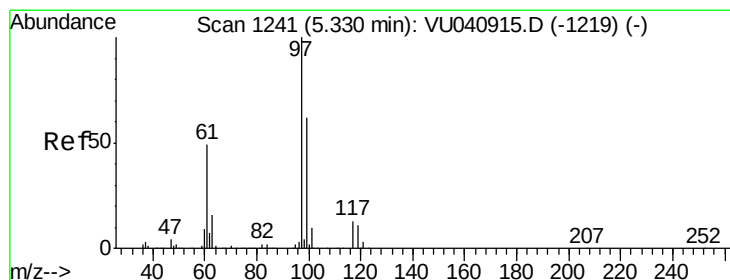
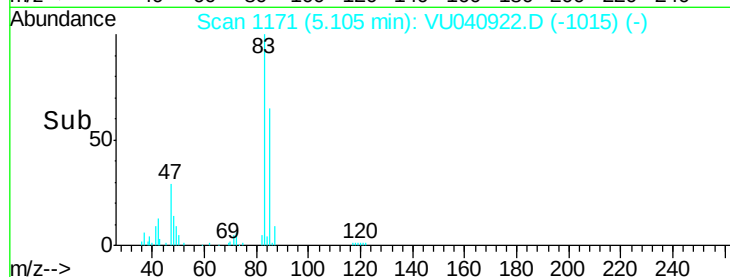
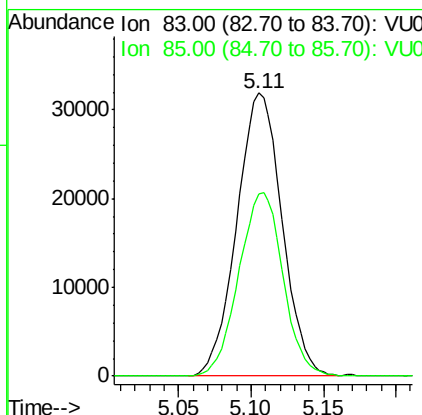
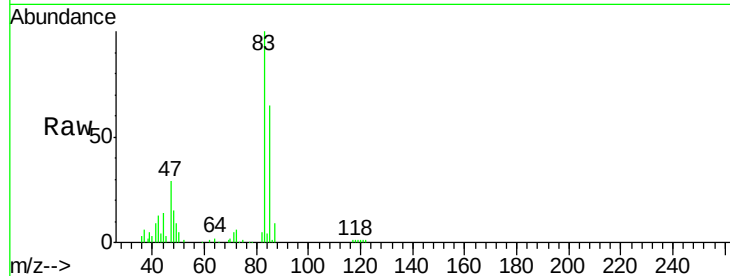
#27
Chloroform
Concen: 2.063 ug/l
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040922.D
Acq: 23 Oct 2020 00:51

Instrument :
MSVOA_U
ClientSampleId :
VU1022WBS01

Tot Ion	83	Resp	69138
Ion Ratio	100	Lower	Upper
83	100		
85	64.6	0.0	129.0

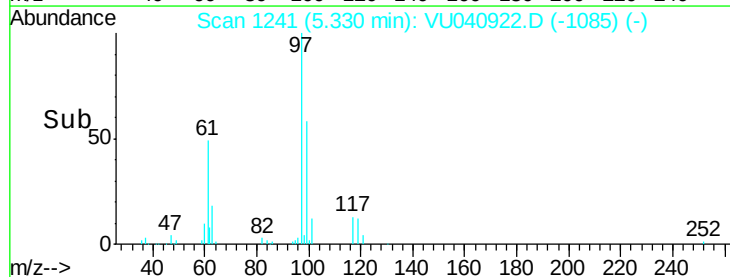
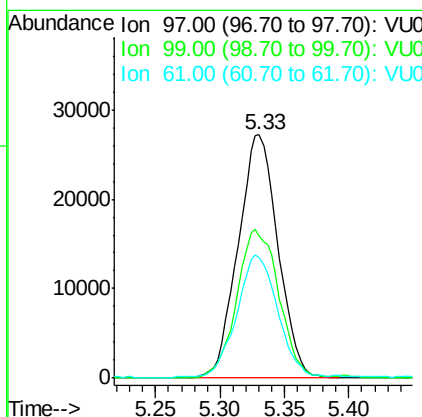
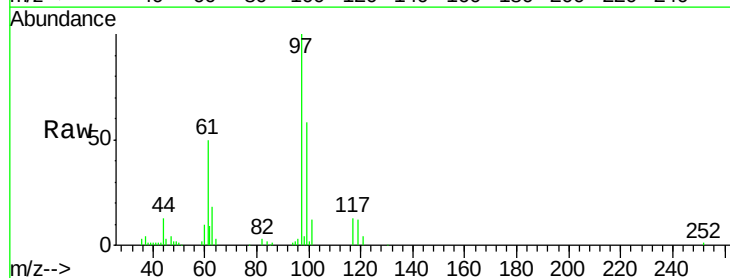
Manual Integrations
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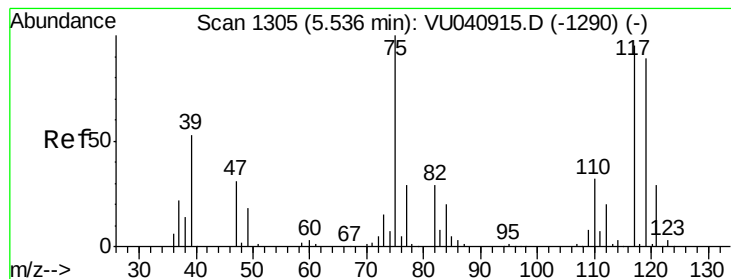
MMDadoda
10/26/2020 4:15:40 PM



#28
1,1,1-Trichloroethane
Concen: 2.028 ug/l
RT: 5.33 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VU040922.D
Acq: 23 Oct 2020 00:51

Tgt Ion	97	Resp	58607
Ion Ratio	100	Lower	Upper
97	100		
99	64.4	31.4	94.3
61	50.8	24.7	74.1





#29

1,1-Dichloropropene

Concen: 1.875 ug/l

RT: 5.54 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU040922.D

Acq: 23 Oct 2020 00:51

Instrument :

MSVOA_U

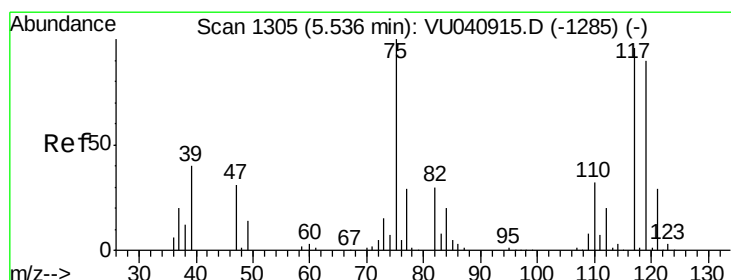
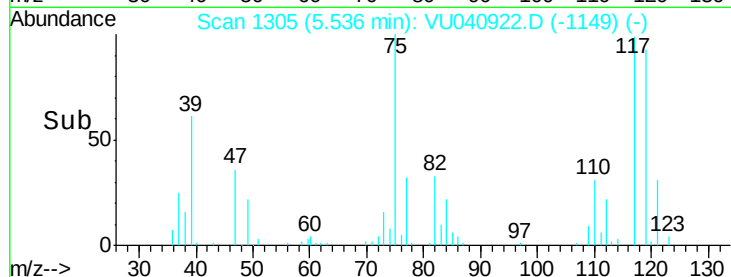
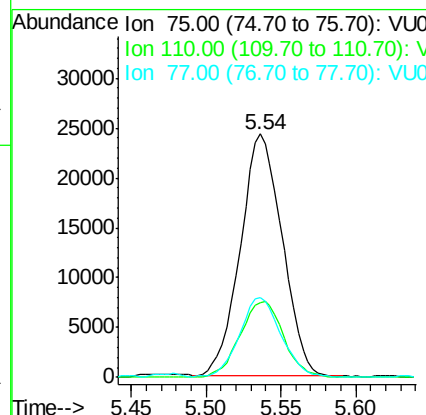
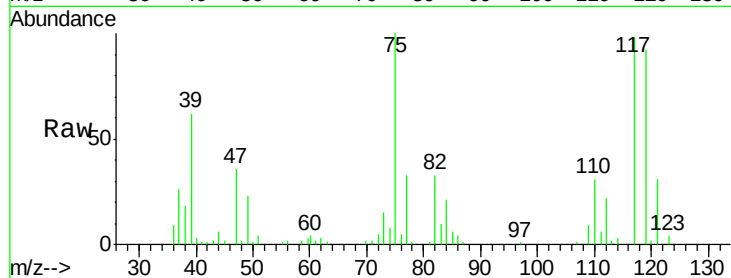
ClientSampleId :

VU1022WBS01

Tot Ion:	75	Resp:	47456
Ion Ratio	Lower	Upper	
75	100		
110	32.3	15.9	47.6
77	32.8	24.2	36.2

Manual Integrations
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10/26/2020 4:15:40 PM



#30

Carbon Tetrachloride

Concen: 2.047 ug/l

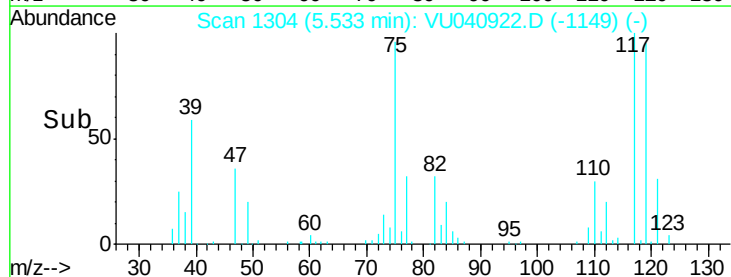
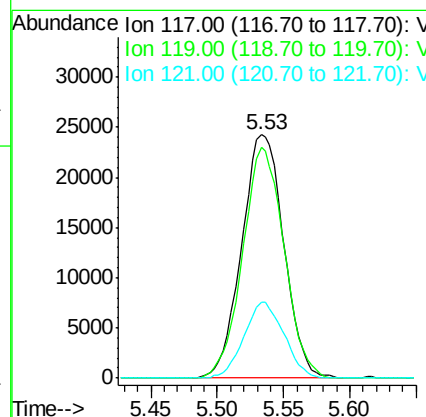
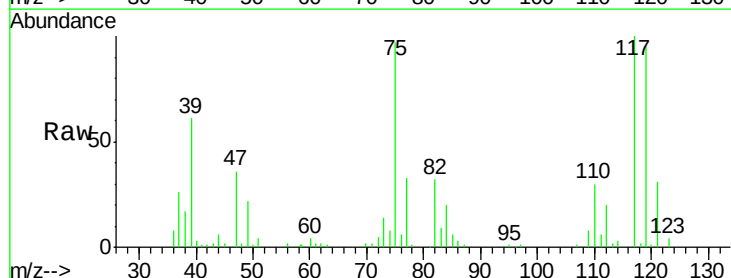
RT: 5.53 min Scan# 1304

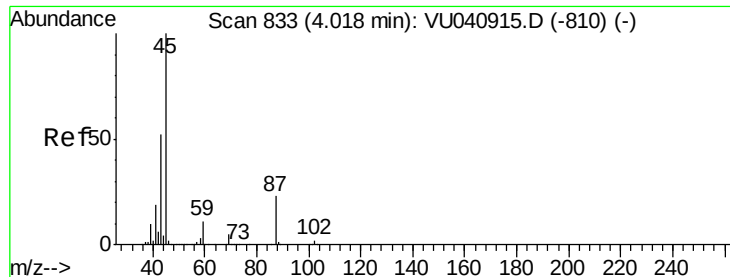
Delta R.T. -0.00 min

Lab File: VU040922.D

Acq: 23 Oct 2020 00:51

Tgt Ion:	117	Resp:	53535
Ion Ratio	Lower	Upper	
117	100		
119	94.9	74.9	112.3
121	31.0	24.1	36.1





#31

Isopropyl Ether

Concen: 1.970 ug/l

RT: 4.02 min Scan# 833

Delta R.T. 0.00 min

Lab File: VU040922.D

Acq: 23 Oct 2020 00:51

Instrument :

MSVOA_U

ClientSampleId :

VU1022WBS01

Tot Ion: 45 Resp: 106842

Ion Ratio Lower Upper

45 100

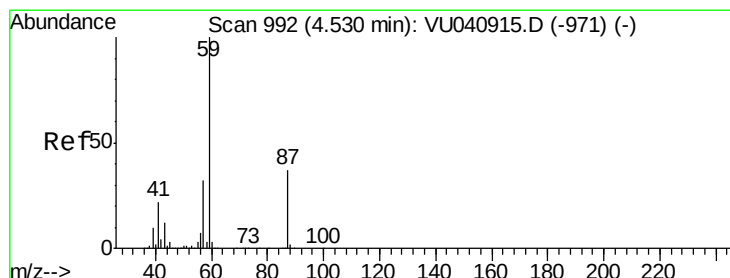
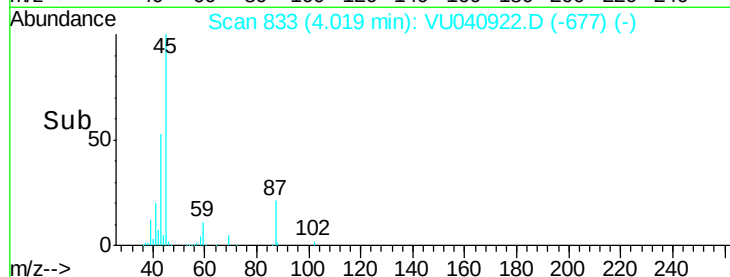
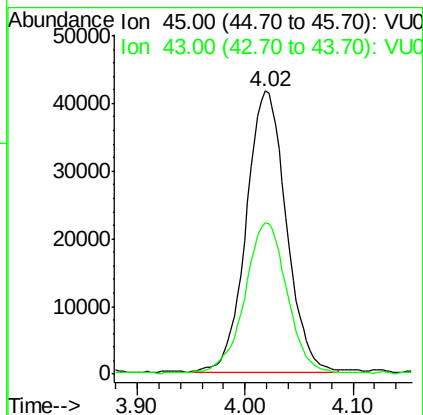
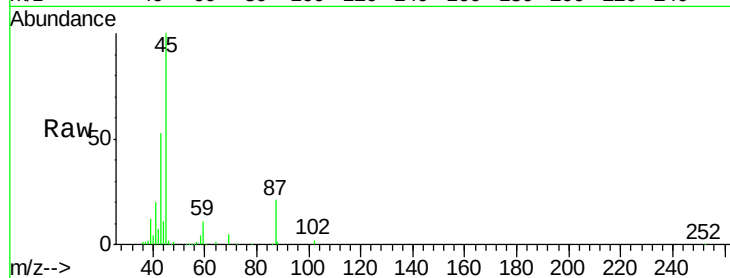
43 55.9 26.8 80.3

Manual Integrations

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#32

Ethyl-t-butyl ether

Concen: 2.037 ug/l

RT: 4.53 min Scan# 992

Delta R.T. 0.00 min

Lab File: VU040922.D

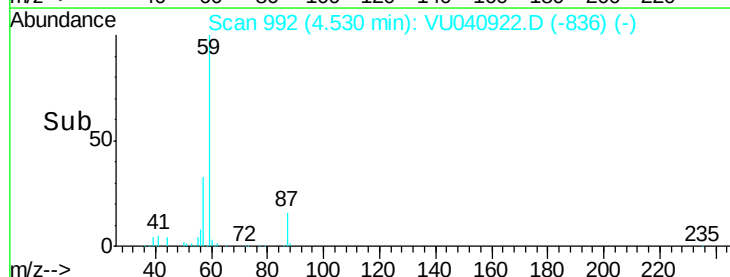
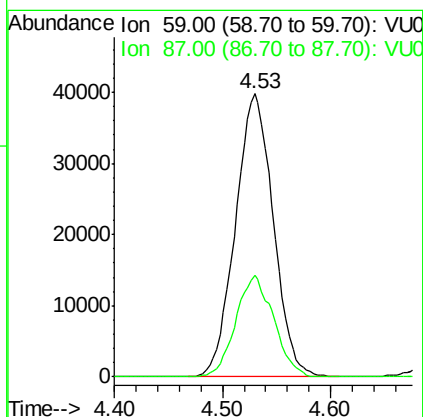
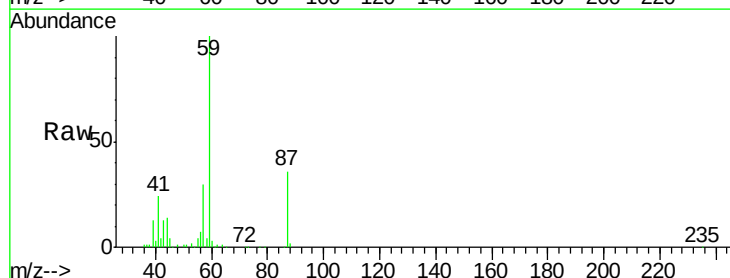
Acq: 23 Oct 2020 00:51

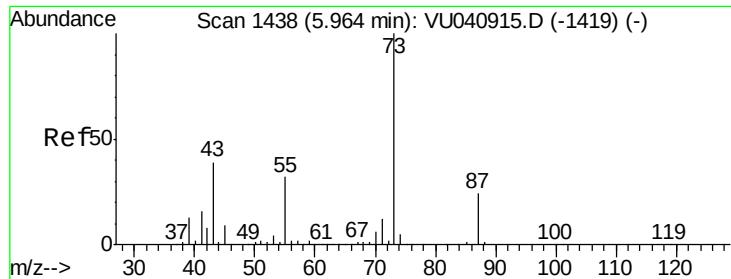
Tgt Ion: 59 Resp: 97276

Ion Ratio Lower Upper

59 100

87 35.7 30.6 46.0





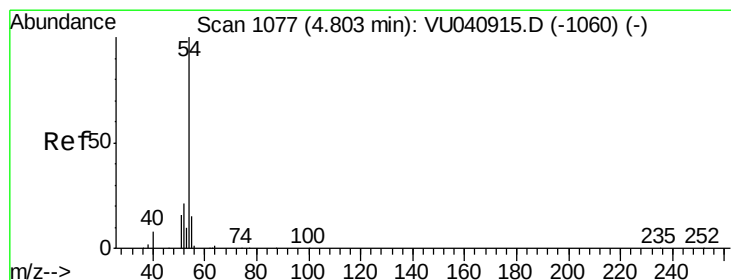
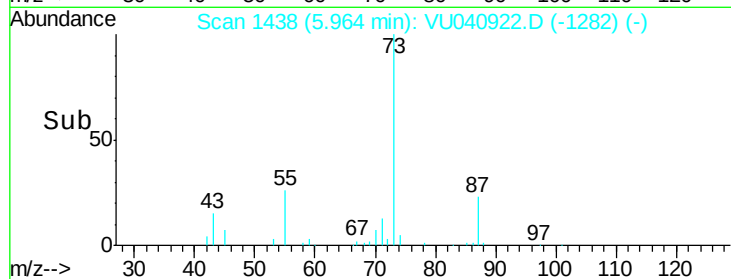
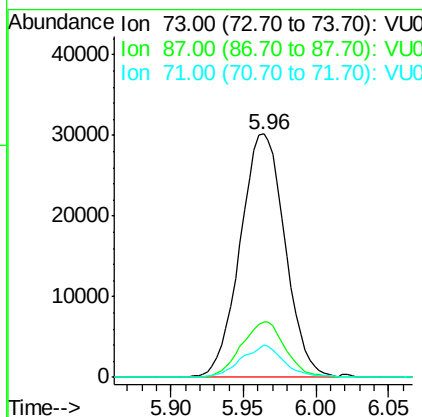
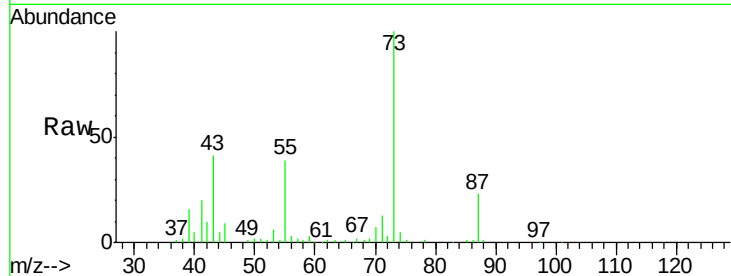
#33
Tert-Butyl methyl ether
Concen: 1.814 ug/l
RT: 5.96 min Scan# 1438
Delta R.T. 0.00 min
Lab File: VU040922.D
Acq: 23 Oct 2020 00:51

Instrument :
MSVOA_U
ClientSampleId :
VU1022WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
87	22.5	19.0	28.4
71	12.6	9.7	14.5

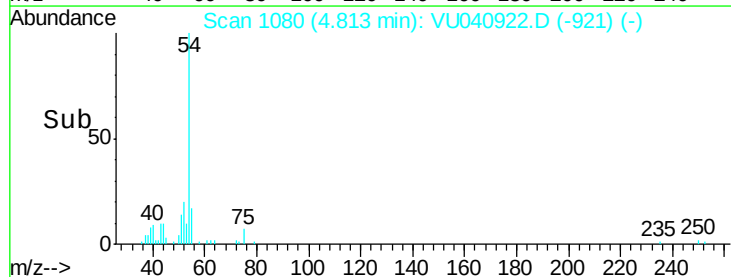
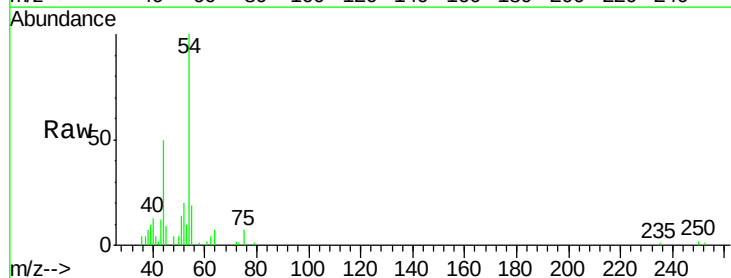
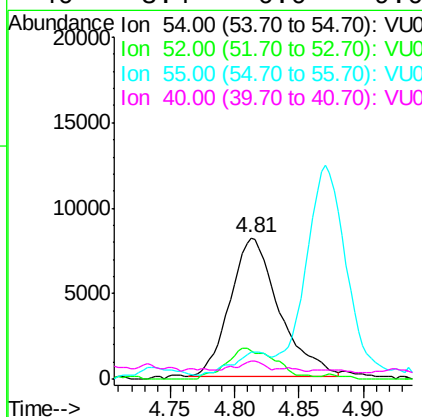
Manual Integrations
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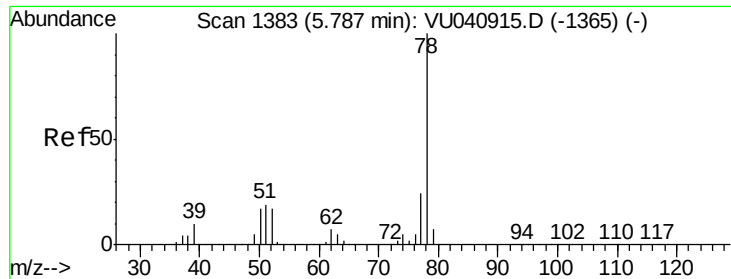
MMDadoda
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#34
Propionitrile
Concen: 10.691 ug/l
RT: 4.81 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VU040922.D
Acq: 23 Oct 2020 00:51

Tgt Ion	Ratio	Lower	Upper
54	100		
52	22.5	15.5	23.3
55	13.7	12.5	18.7
40	3.4	6.0	9.0





#35

Benzene

Concen: 1.957 ug/l

RT: 5.79 min Scan# 1383

Delta R.T. 0.00 min

Lab File: VU040922.D

Acq: 23 Oct 2020 00:51

Instrument :

MSVOA_U

ClientSampleId :

VU1022WBS01

Tot Ion: 78 Resp: 137350

Ion Ratio Lower Upper

78 100

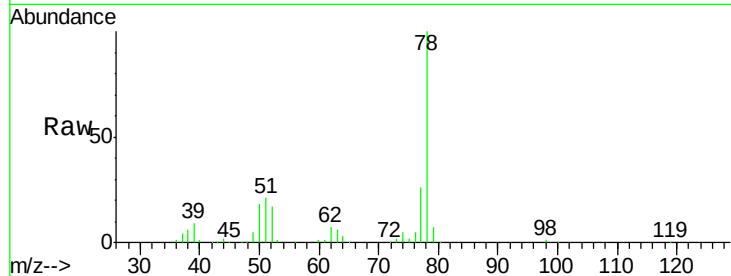
77 25.7 19.4 29.2

Manual Integrations

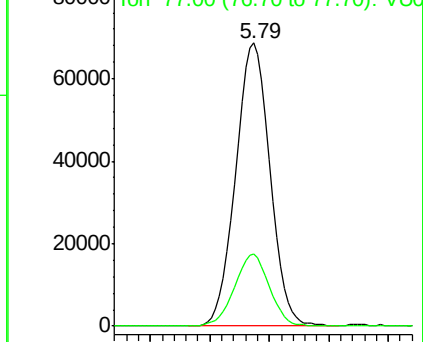
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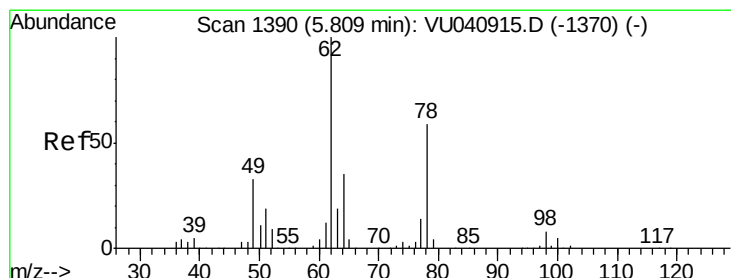
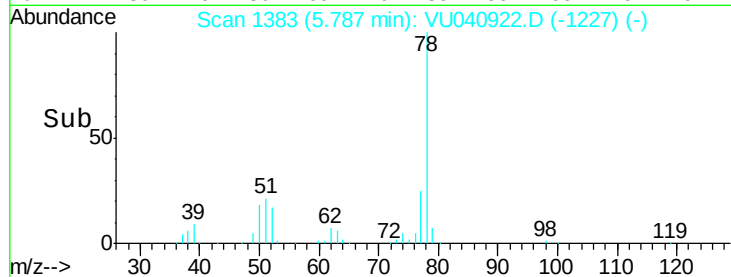
10/26/2020 4:15:40 PM



Abundance Ion 78.10 (77.80 to 78.80): VU040922.D (-1227) (-)



Time-->



#36

1,2-Dichloroethane

Concen: 2.058 ug/l

RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VU040922.D

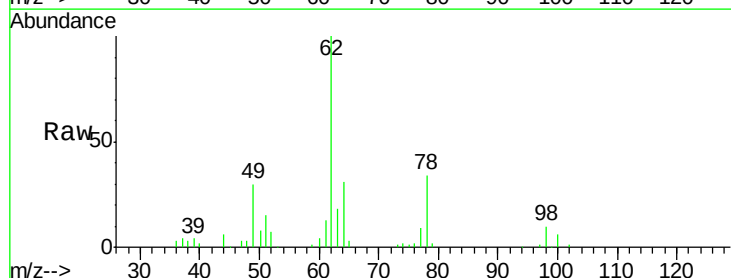
Acq: 23 Oct 2020 00:51

Tgt Ion: 62 Resp: 53525

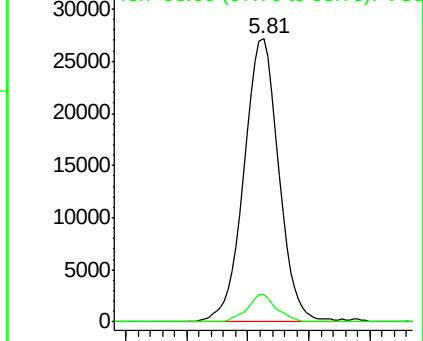
Ion Ratio Lower Upper

62 100

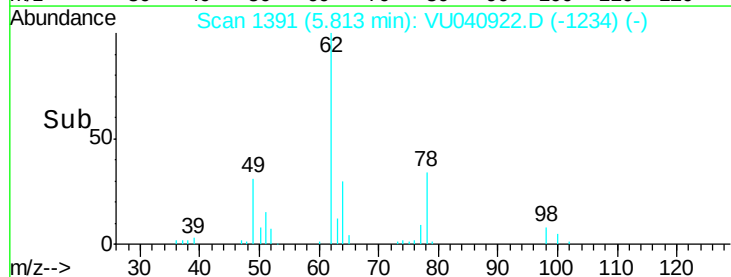
98 8.0 6.7 10.1

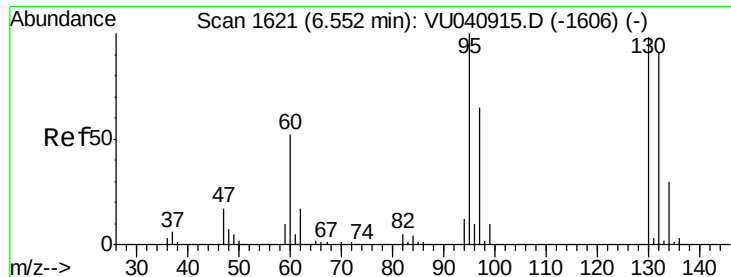


Abundance Ion 62.00 (61.70 to 62.70): VU040922.D (-1234) (-)



Time-->





#37

Trichloroethene

Concen: 1.981 ug/l

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU040922.D

Acq: 23 Oct 2020 00:51

Instrument :

MSVOA_U

ClientSampleId :

VU1022WBS01

Tot Ion:130 Resp: 32868

Ion Ratio Lower Upper

130 100

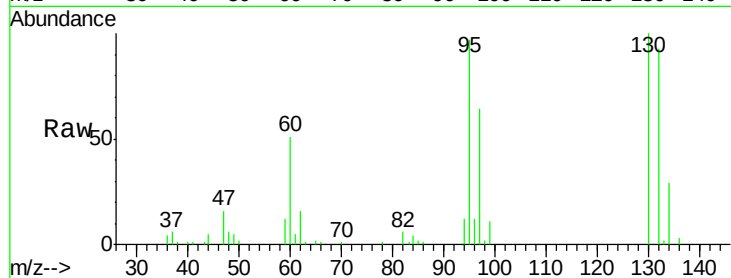
95 96.9 81.9 122.9

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VU0

6.55

20000

15000

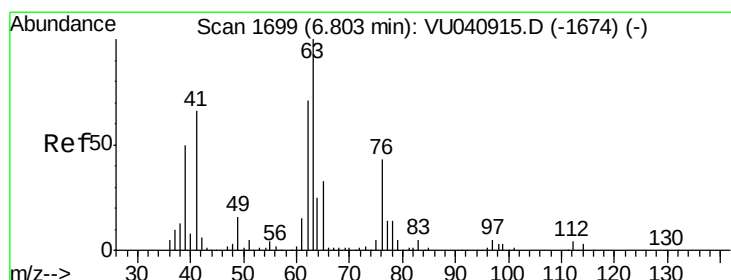
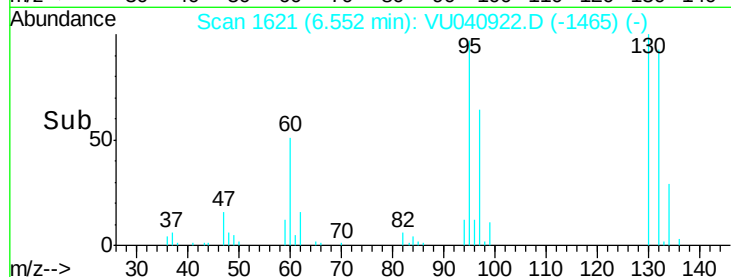
10000

5000

0

6.50 6.55 6.60 6.65

Time-->



#38

1,2-Dichloropropane

Concen: 1.965 ug/l

RT: 6.80 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VU040922.D

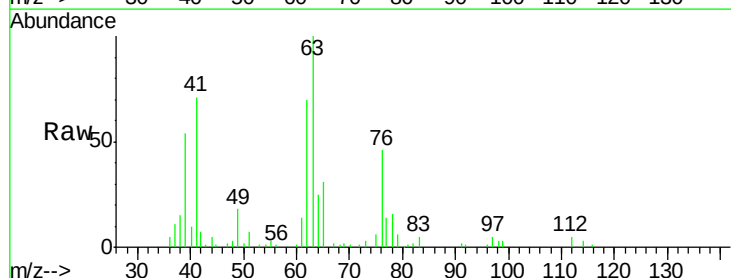
Acq: 23 Oct 2020 00:51

Tgt Ion: 63 Resp: 39128

Ion Ratio Lower Upper

63 100

65 30.1 26.2 39.2



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 65.00 (64.70 to 65.70): VU0

6.80

20000

15000

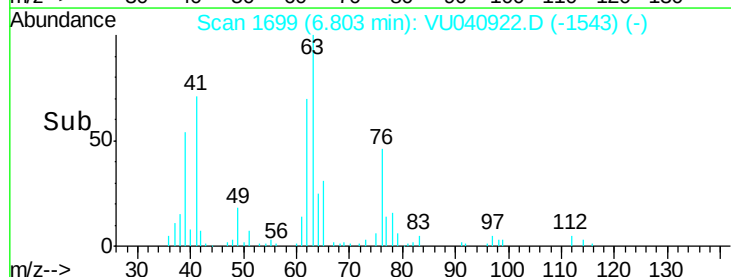
10000

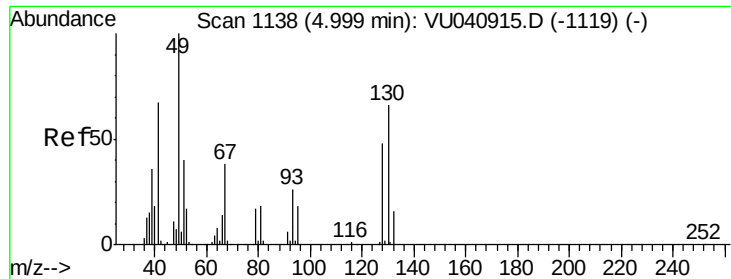
5000

0

6.70 6.75 6.80 6.85 6.90

Time-->





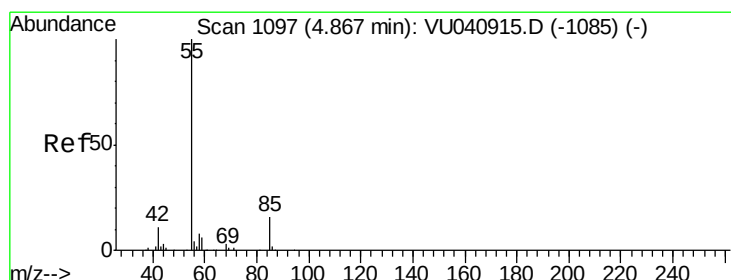
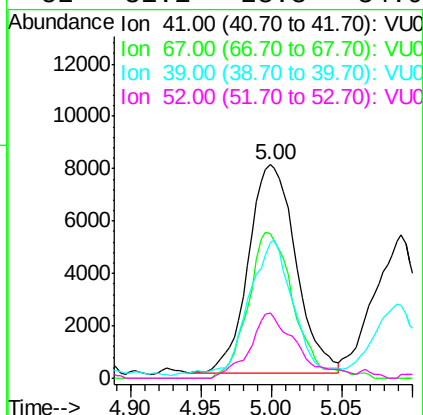
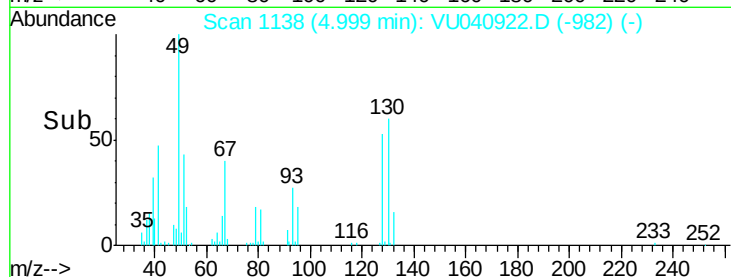
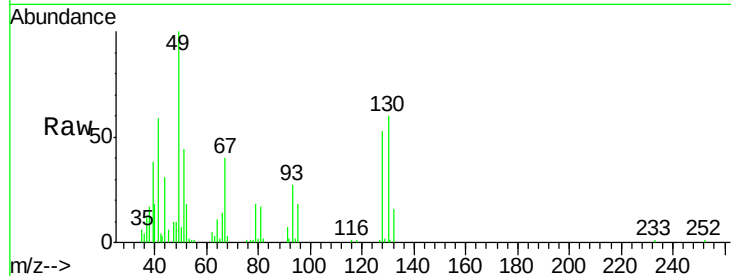
#39
Methacrylonitrile
Concen: 2.014 ug/l
RT: 5.00 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VU040922.D
Acq: 23 Oct 2020 00:51

Instrument :
MSVOA_U
ClientSampleId :
VU1022WBS01

Tot Ion	41	Resp	18744
Ion	Ratio	Lower	Upper
41	100		
67	66.6	48.7	73.1
39	60.3	44.6	67.0
52	31.1	23.3	34.9

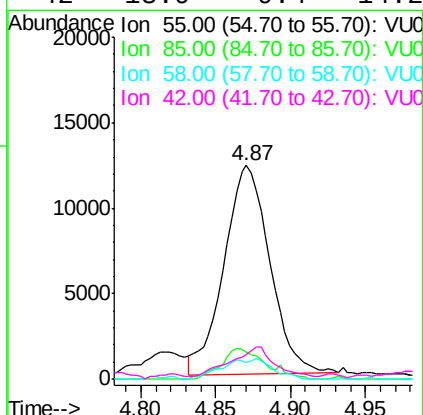
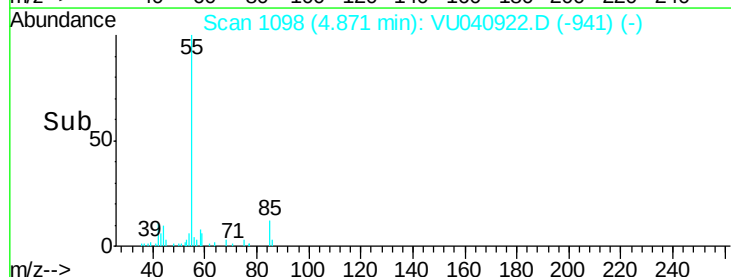
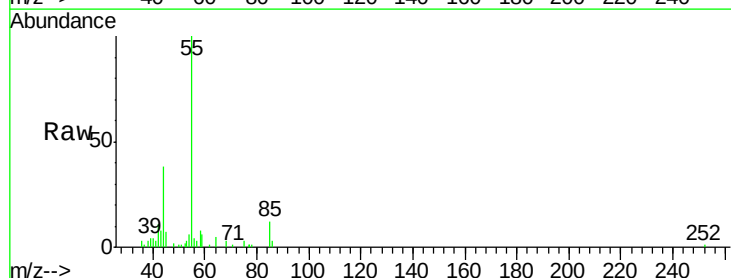
Manual Integrations
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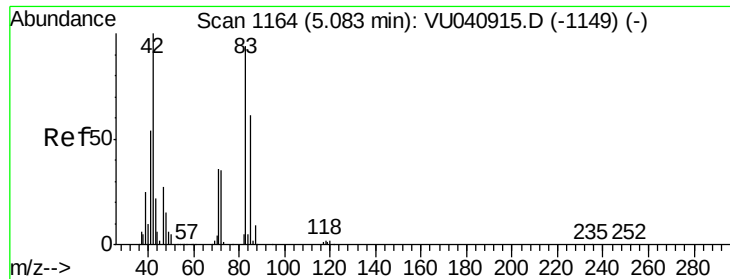
MMDadoda
10/26/2020 4:15:40 PM



#40
Methyl acrylate
Concen: 2.043 ug/l
RT: 4.87 min Scan# 1098
Delta R.T. 0.00 min
Lab File: VU040922.D
Acq: 23 Oct 2020 00:51

Tgt Ion	55	Resp	26066
Ion	Ratio	Lower	Upper
55	100		
85	13.9	12.2	18.2
58	5.6	6.8	10.2#
42	13.9	9.4	14.2





#41

Tetrahydrofuran

Concen: 3.881 ug/l

RT: 5.09 min Scan# 1167

Delta R.T. 0.01 min

Lab File: VU040922.D

Acq: 23 Oct 2020 00:51

Instrument :

MSVOA_U

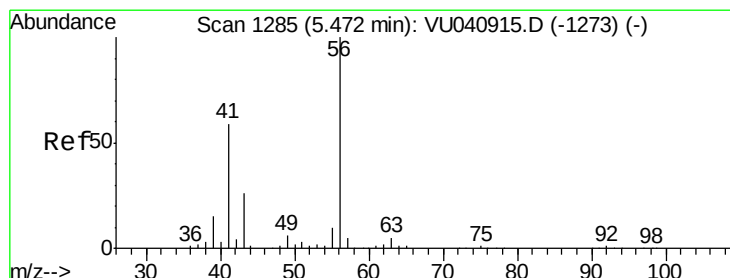
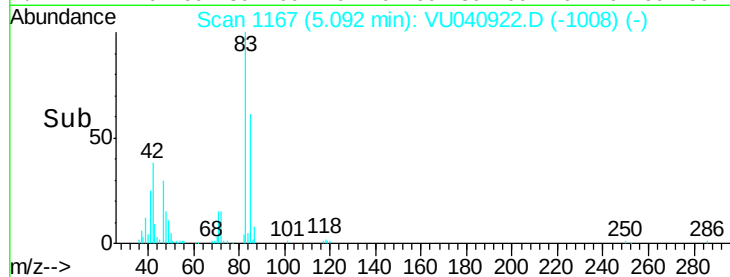
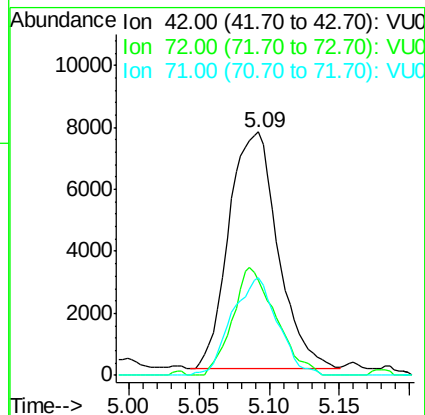
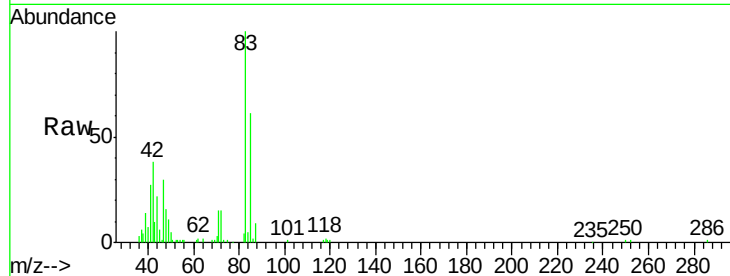
ClientSampleId :

VU1022WBS01

Tot Ion:	42	Resp:	18578
Ion	Ratio	Lower	Upper
42	100		
72	40.2	30.1	45.1
71	38.5	27.9	41.9

Manual Integrations
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10/26/2020 4:15:40 PM



#42

1-Chlorobutane

Concen: 1.955 ug/l

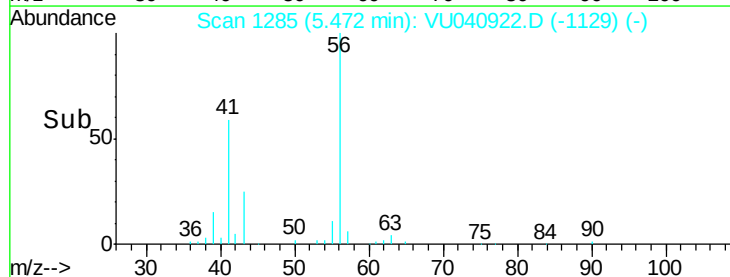
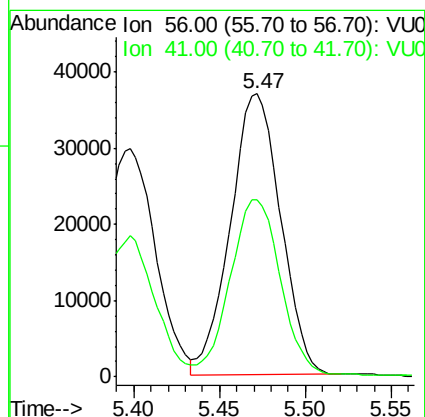
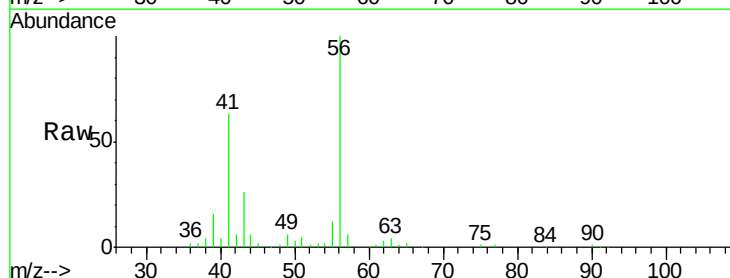
RT: 5.47 min Scan# 1285

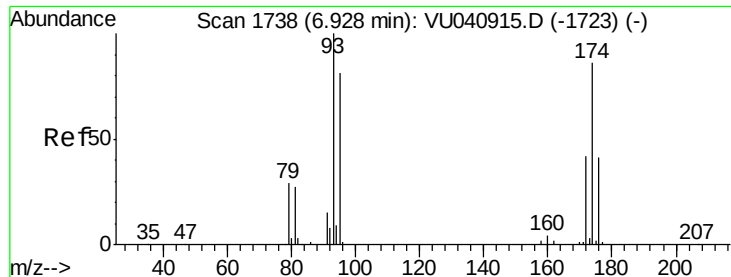
Delta R.T. 0.00 min

Lab File: VU040922.D

Acq: 23 Oct 2020 00:51

Tgt Ion:	56	Resp:	74810
Ion	Ratio	Lower	Upper
56	100		
41	61.7	29.6	88.8





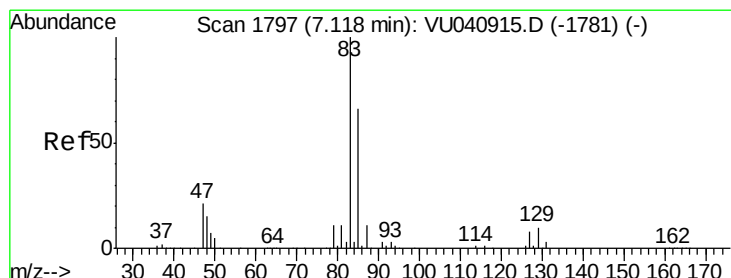
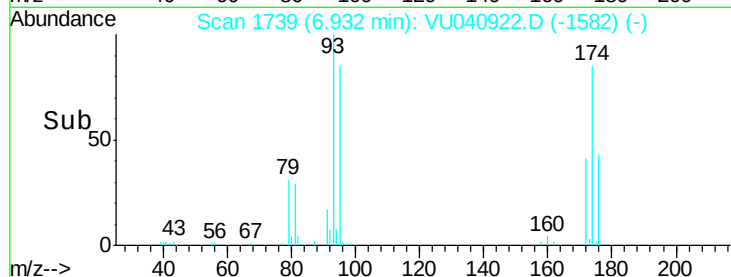
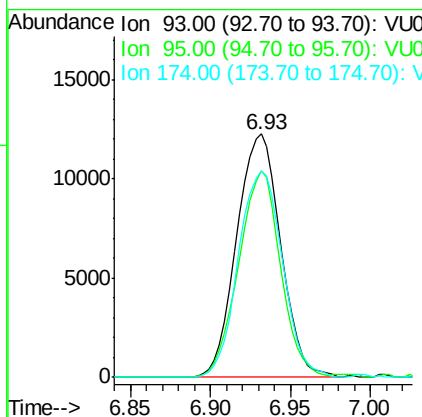
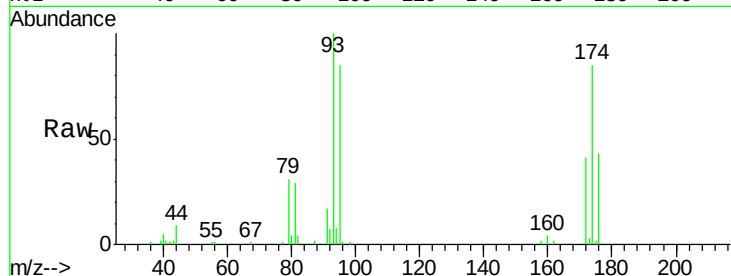
#43
Dibromomethane
Concen: 2.063 ug/l
RT: 6.93 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VU040922.D
Acq: 23 Oct 2020 00:51

Instrument :
MSVOA_U
ClientSampleId :
VU1022WBS01

Tot Ion	Ratio	Lower	Upper
93	100		
95	80.7	66.3	99.5
174	85.4	70.4	105.6

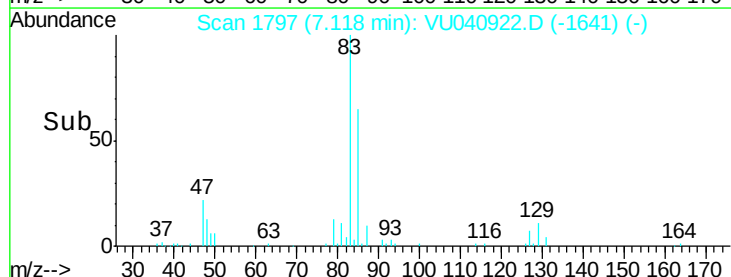
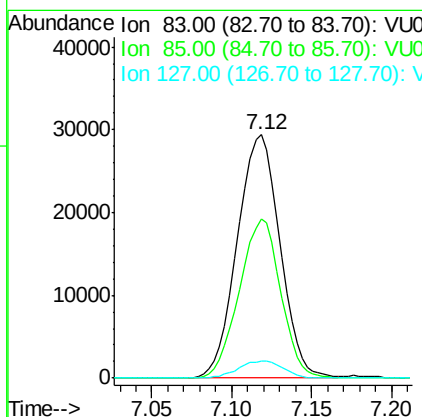
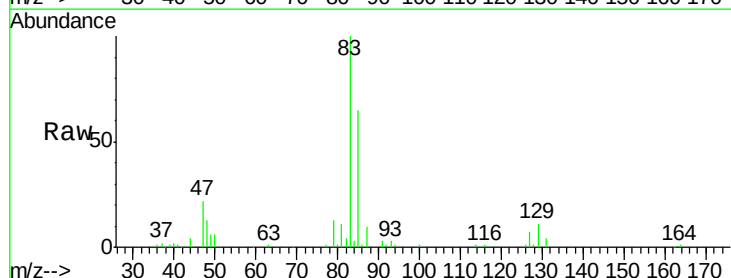
Manual Integrations
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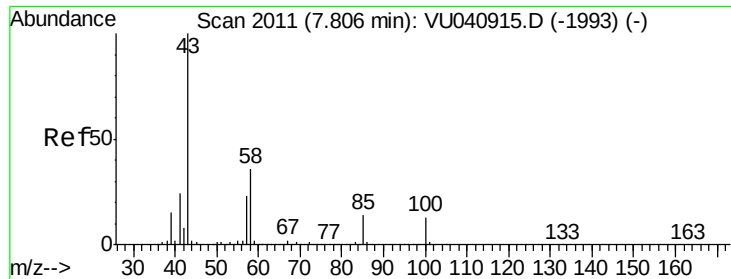
MMDadoda
10/26/2020 4:15:40 PM



#44
Bromodichloromethane
Concen: 2.065 ug/l
RT: 7.12 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VU040922.D
Acq: 23 Oct 2020 00:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.6	78.8
127	6.9	6.4	9.6





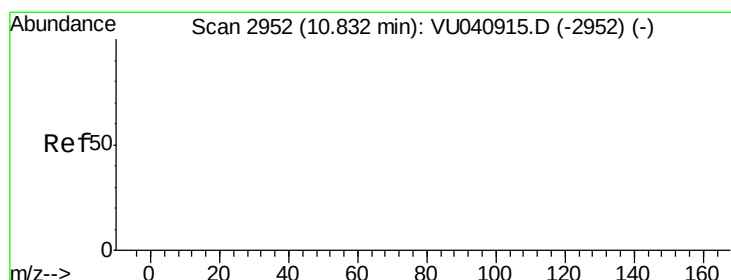
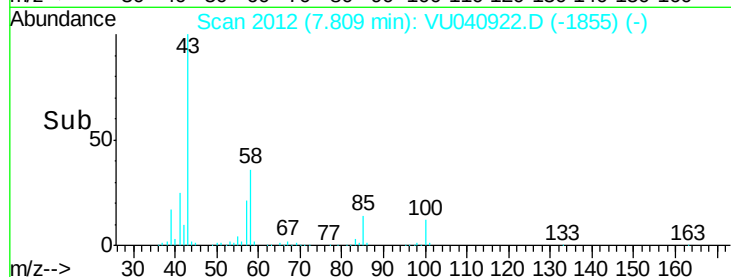
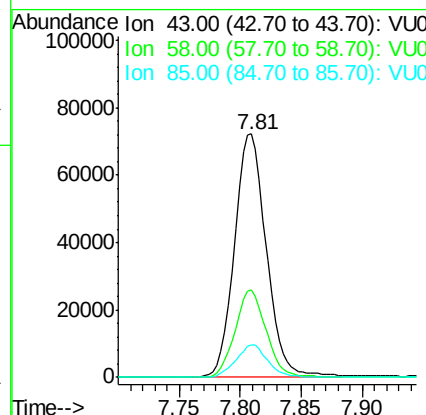
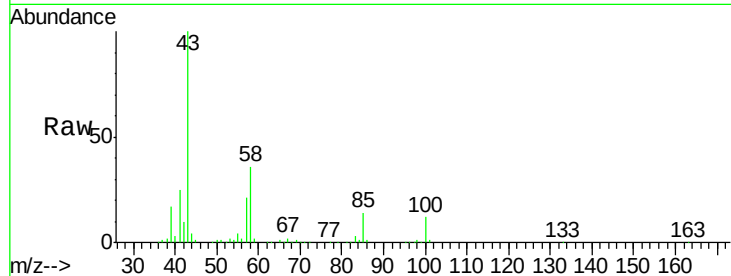
#45
4-Methyl-2-Pentanone
Concen: 8.992 ug/l
RT: 7.81 min Scan# 2012
Delta R.T. 0.00 min
Lab File: VU040922.D
Acq: 23 Oct 2020 00:51

Instrument :
MSVOA_U
ClientSampleId :
VU1022WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	34.9	17.8	53.5
85	13.2	11.4	17.2

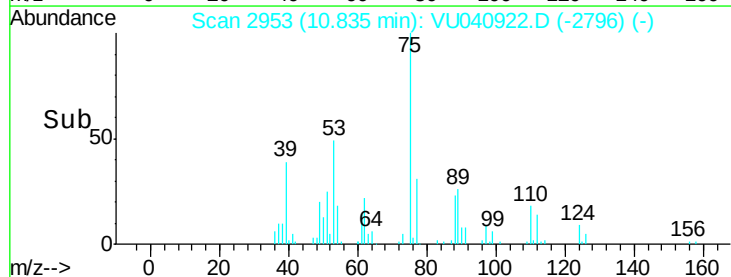
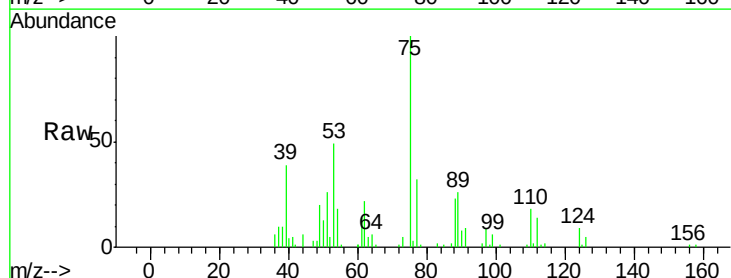
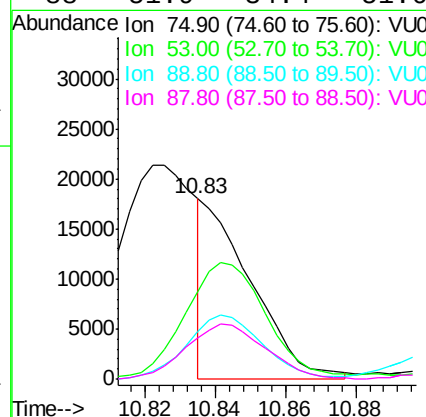
Manual Integrations
APPROVED

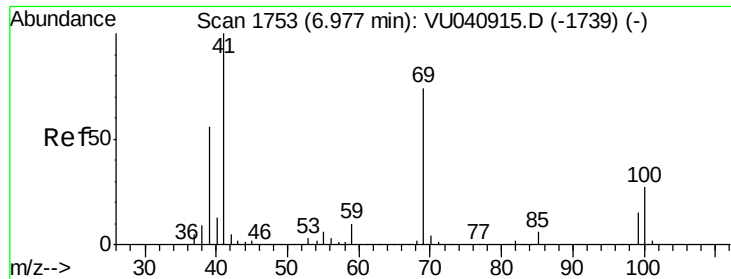
MMDadoda
10/26/2020 4:15:40 PM



#46
t-1,4-Dichloro-2-butene
Concen: 2.899 ug/l m
RT: 10.83 min Scan# 2953
Delta R.T. 0.00 min
Lab File: VU040922.D
Acq: 23 Oct 2020 00:51

Tgt Ion	Ratio	Lower	Upper
75	100		
53	112.5	73.0	109.4#
89	57.1	41.7	62.5
88	51.9	34.4	51.6#





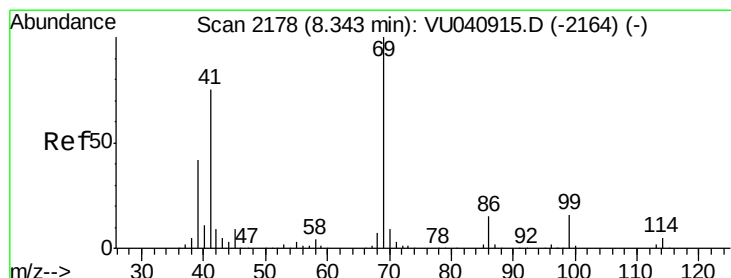
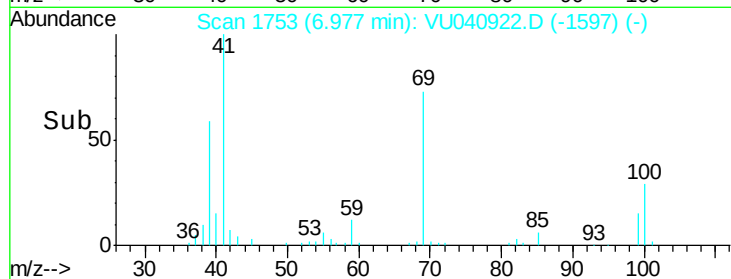
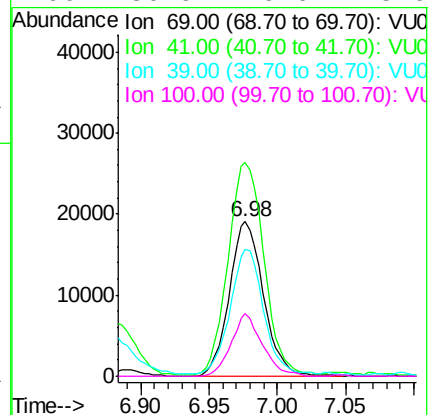
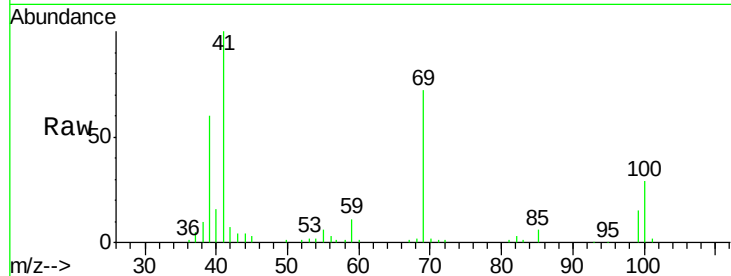
#47
Methvl methacrylate
Concen: 3.554 ug/l
RT: 6.98 min Scan# 1753
Delta R.T. 0.00 min
Lab File: VU040922.D
Acq: 23 Oct 2020 00:51

Instrument :
MSVOA_U
ClientSampleId :
VU1022WBS01

Tot Ion	Ratio	Lower	Upper
69	100		
41	143.7	0.0	270.2
39	77.7	61.6	92.4
100	36.9	29.0	43.6

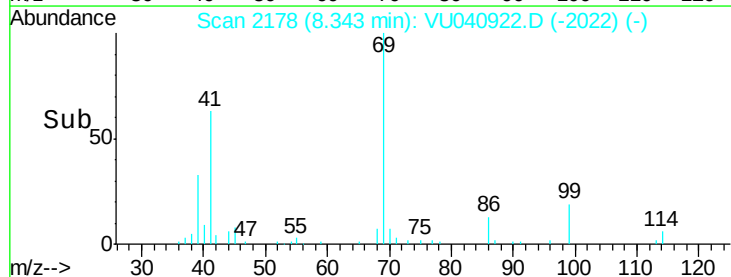
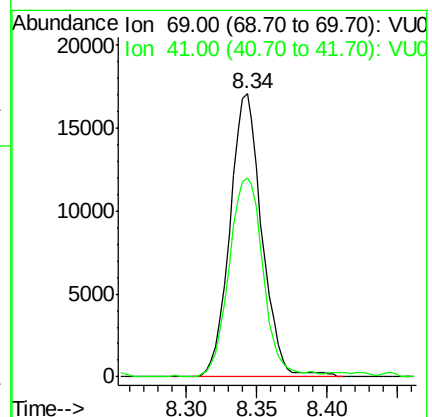
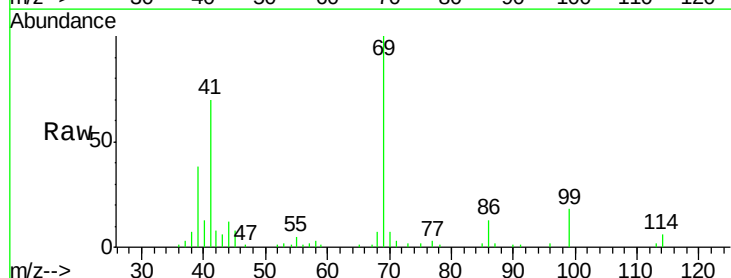
Manual Integrations
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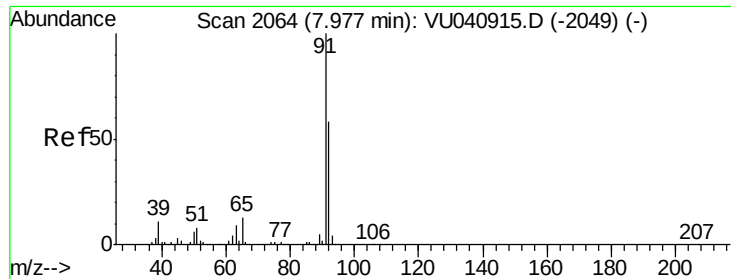
MMDadoda
10/26/2020 4:15:40 PM



#48
Ethyl methacrylate
Concen: 1.724 ug/l
RT: 8.34 min Scan# 2178
Delta R.T. 0.00 min
Lab File: VU040922.D
Acq: 23 Oct 2020 00:51

Tgt Ion	Ratio	Lower	Upper
69	100		
41	75.2	37.6	112.9





#49

Toluene

Concen: 1.866 ug/l

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040922.D

Acq: 23 Oct 2020 00:51

Instrument :

MSVOA_U

ClientSampleId :

VU1022WBS01

Tot Ion: 92 Resp: 72025

Ion Ratio Lower Upper

92 100

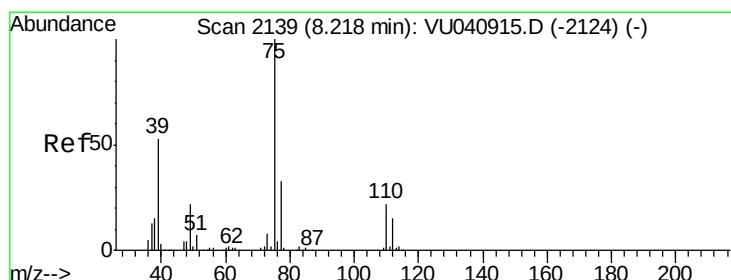
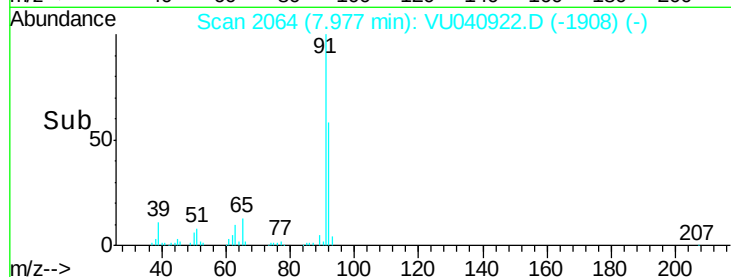
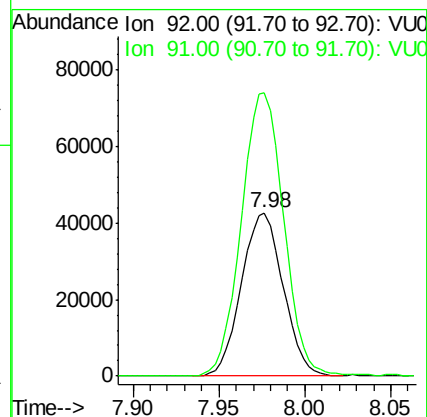
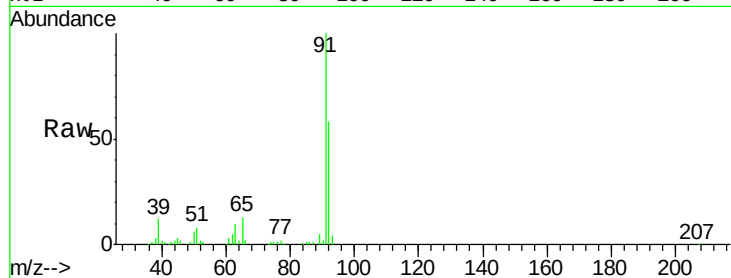
91 176.3 136.8 205.2

Manual Integrations

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#50

t-1,3-Dichloropropene

Concen: 1.859 ug/l

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU040922.D

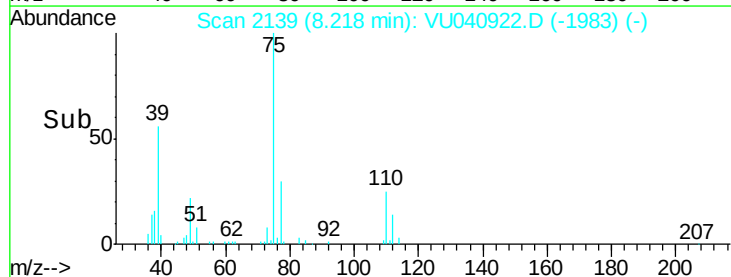
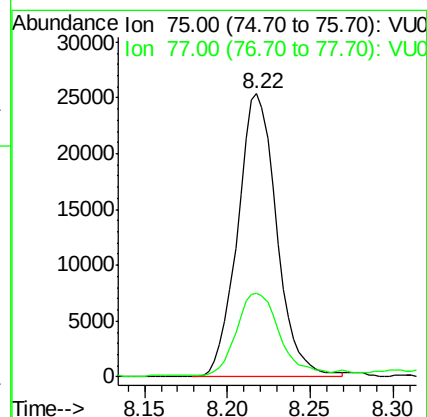
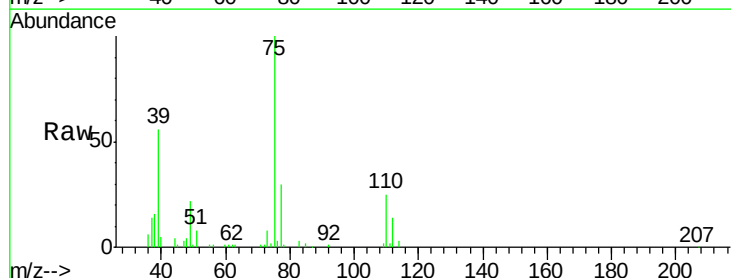
Acq: 23 Oct 2020 00:51

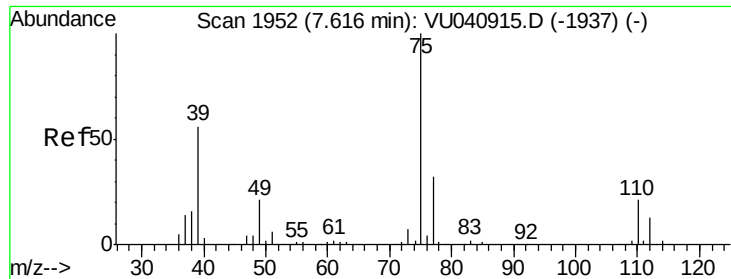
Tgt Ion: 75 Resp: 41623

Ion Ratio Lower Upper

75 100

77 29.0 26.2 39.4





#51

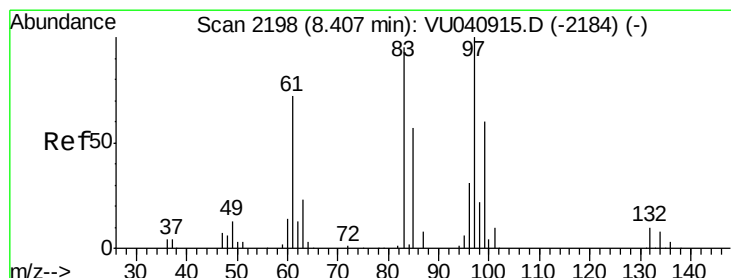
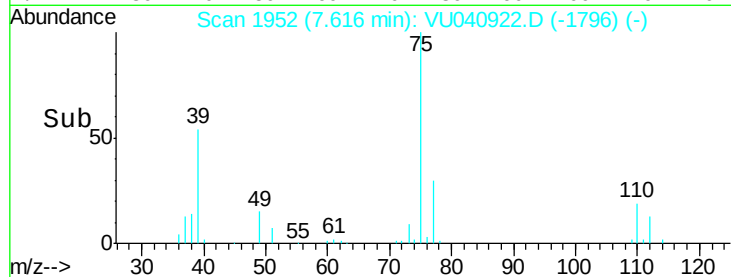
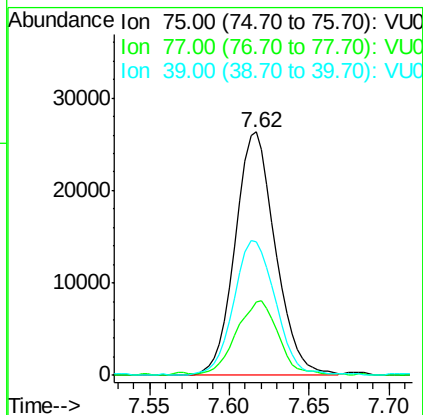
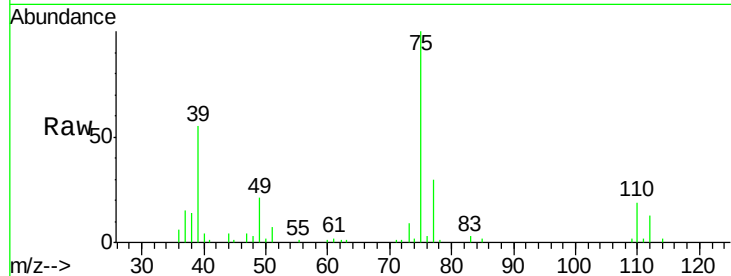
cis-1,3-Dichloropropene
Concen: 1.842 ug/l
RT: 7.62 min Scan# 1952
Delta R.T. 0.00 min
Lab File: VU040922.D
Acq: 23 Oct 2020 00:51

Instrument :
MSVOA_U
ClientSampleId :
VU1022WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.5	25.4	38.0
39	54.5	44.7	67.1

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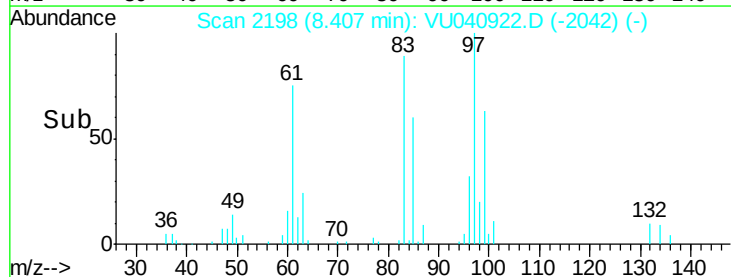
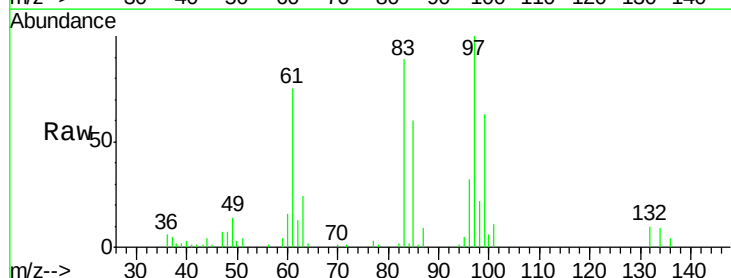
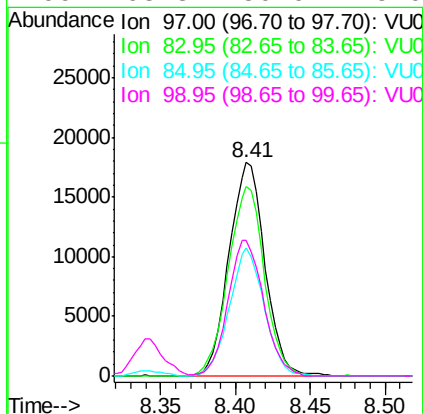
MMDadoda
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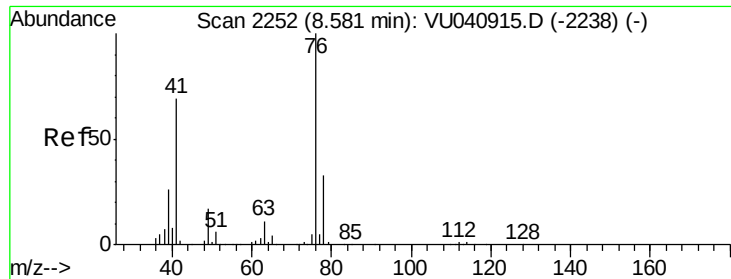


#52

1,1,2-Trichloroethane
Concen: 2.118 ug/l
RT: 8.41 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VU040922.D
Acq: 23 Oct 2020 00:51

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.7	75.9	113.9
85	60.0	46.1	69.1
99	63.3	50.0	75.0





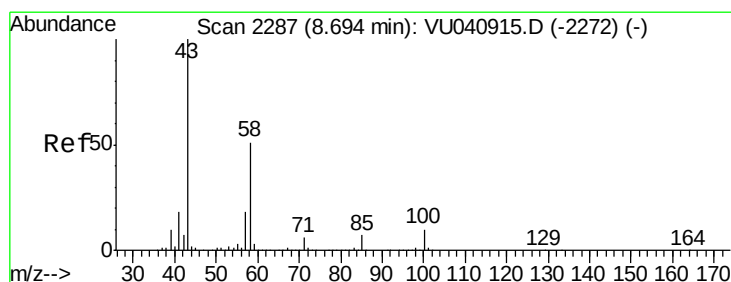
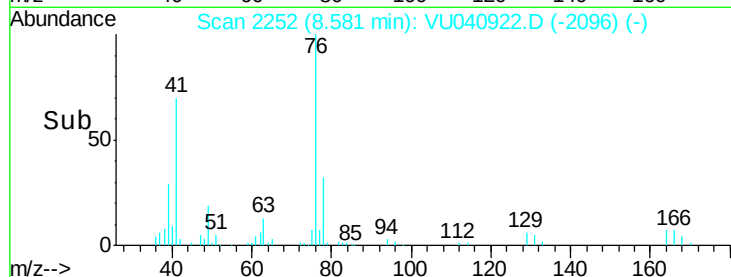
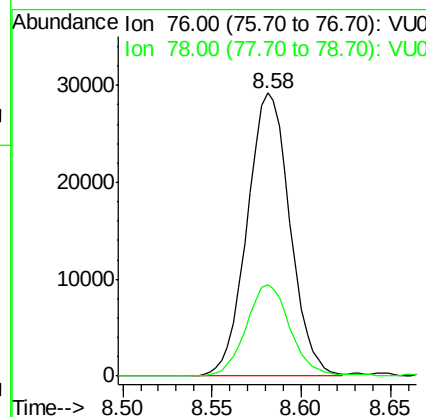
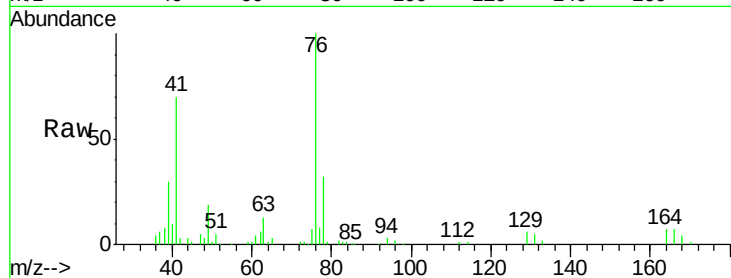
#53
 1,3-Dichloropropane
 Concen: 1.934 ug/l
 RT: 8.58 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VU040922.D
 Acq: 23 Oct 2020 00:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1022WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.1	26.6	39.8

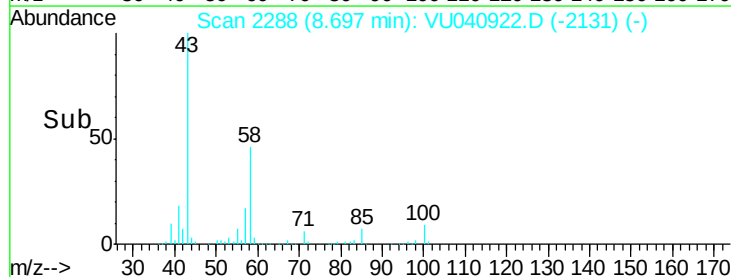
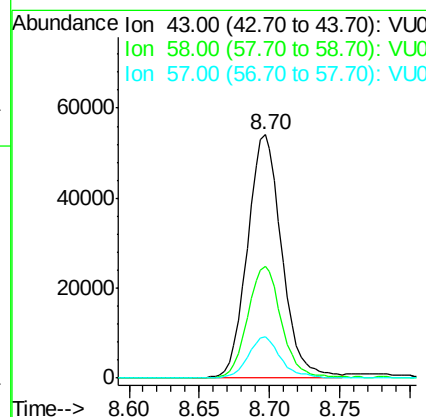
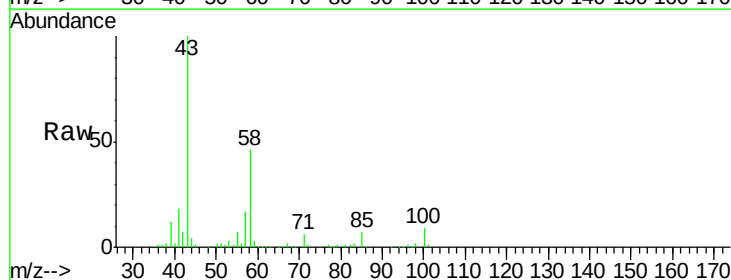
Manual Integrations
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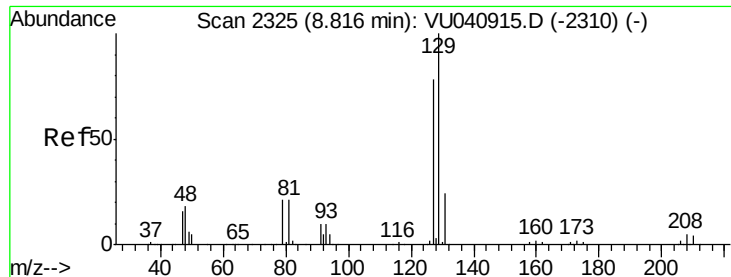
MMDadoda
 10/26/2020 4:15:40 PM



#54
 2-Hexanone
 Concen: 9.069 ug/l
 RT: 8.70 min Scan# 2288
 Delta R.T. 0.00 min
 Lab File: VU040922.D
 Acq: 23 Oct 2020 00:51

Tgt Ion	Ratio	Lower	Upper
43	100		
58	45.1	30.2	70.2
57	16.0	0.0	37.4





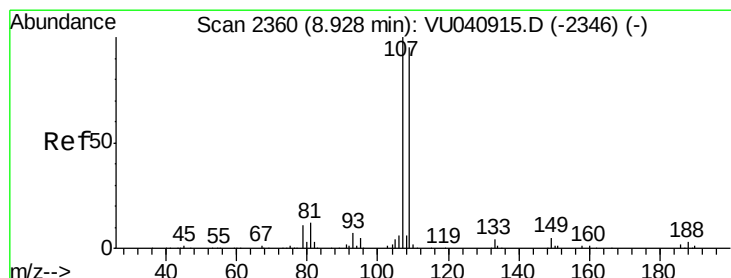
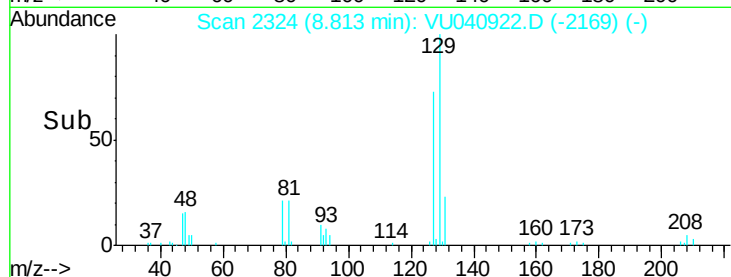
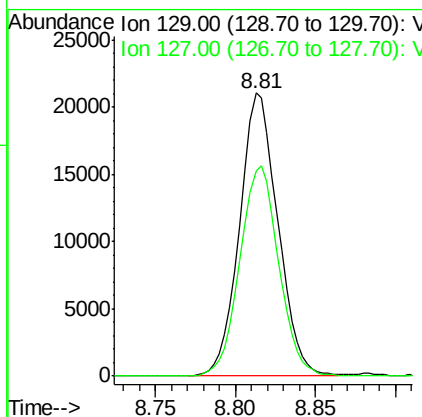
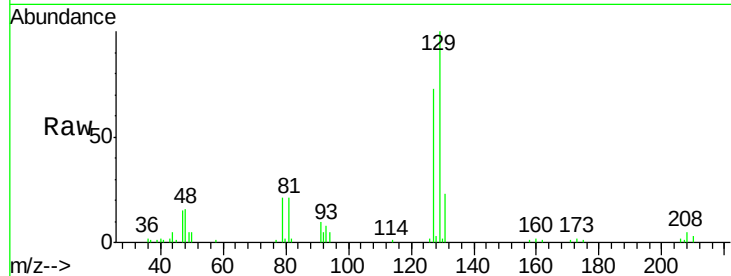
#55
Dibromochloromethane
Concen: 2.027 ug/l
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU040922.D
Acq: 23 Oct 2020 00:51

Instrument :
MSVOA_U
ClientSampleId :
VU1022WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		34282		
127	75.5	63.1	94.7		

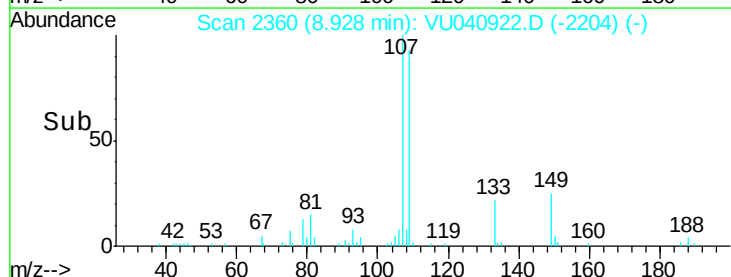
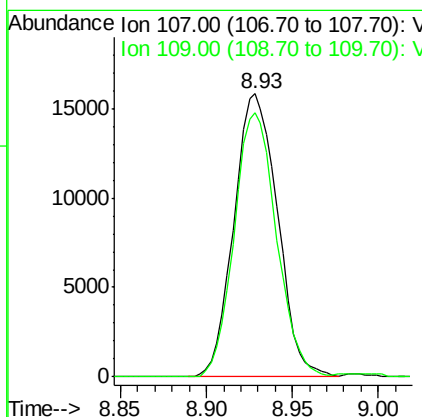
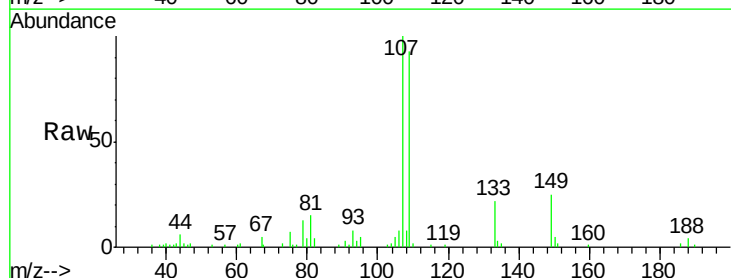
Manual Integrations
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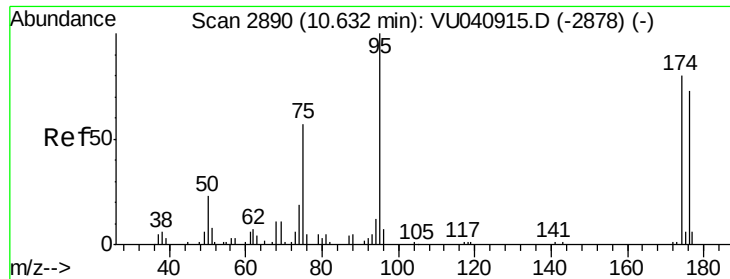
MMDadoda
10/26/2020 4:15:40 PM



#56
1,2-Dibromoethane
Concen: 2.126 ug/l
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU040922.D
Acq: 23 Oct 2020 00:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		27813		
109	90.5	0.0	190.4		





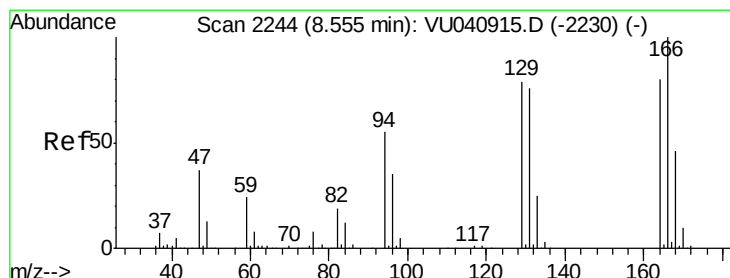
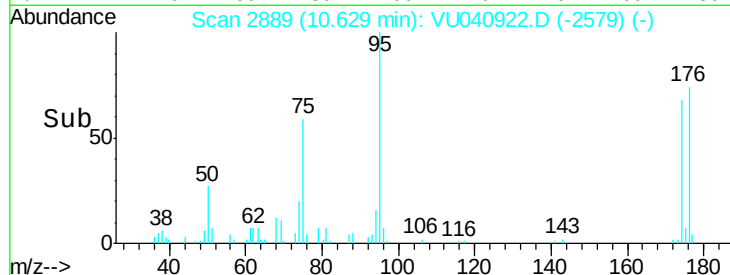
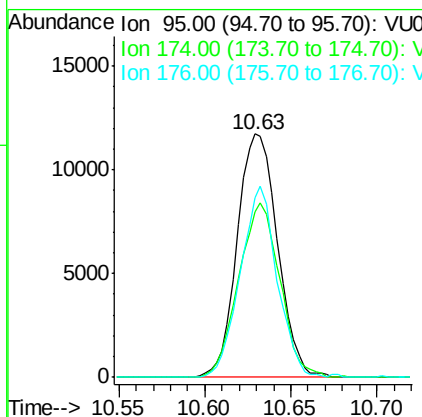
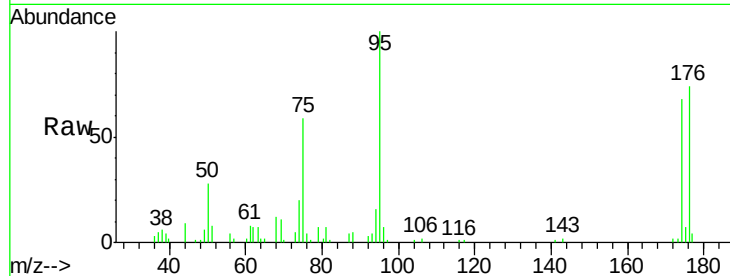
#57
4-Bromofluorobenzene
Concen: 0.956 ug/l
RT: 10.63 min Scan# 2889
Delta R.T. -0.00 min
Lab File: VU040922.D
Acq: 23 Oct 2020 00:51

Instrument :
MSVOA_U
ClientSampleId :
VU1022WBS01

Tot Ion	Ratio	Resp	Lower	Upper
95	100	19100		
174	73.1	60.3	90.5	
176	71.6	55.6	83.4	

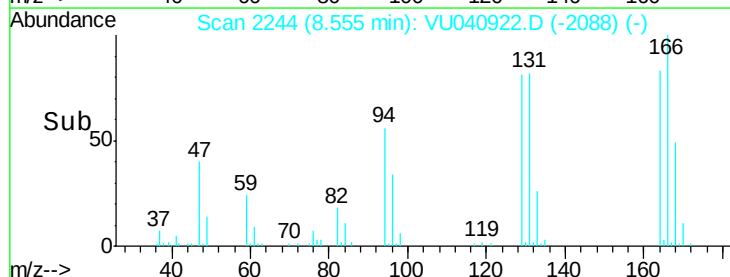
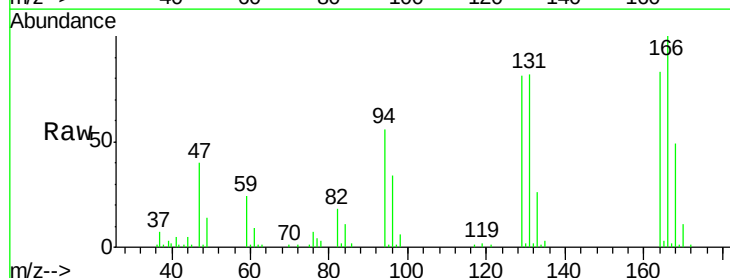
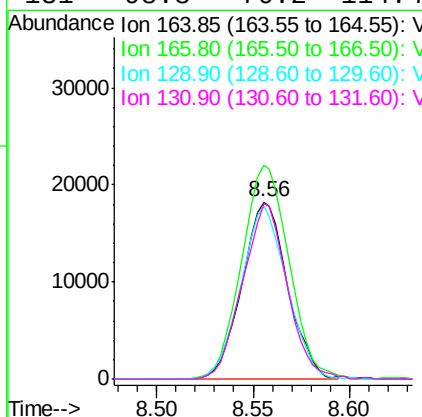
Manual Integrations
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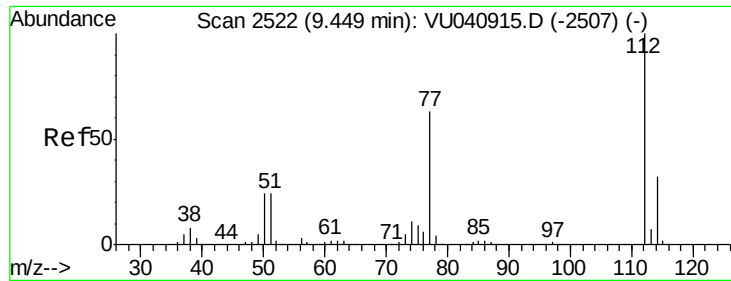
MMDadoda
10/26/2020 4:15:40 PM



#58
Tetrachloroethene
Concen: 1.927 ug/l
RT: 8.56 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VU040922.D
Acq: 23 Oct 2020 00:51

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	29885		
166	120.5	100.3	150.5	
129	97.2	79.4	119.0	
131	98.8	76.2	114.4	





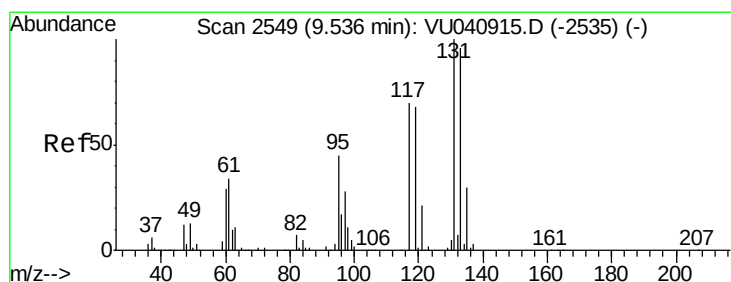
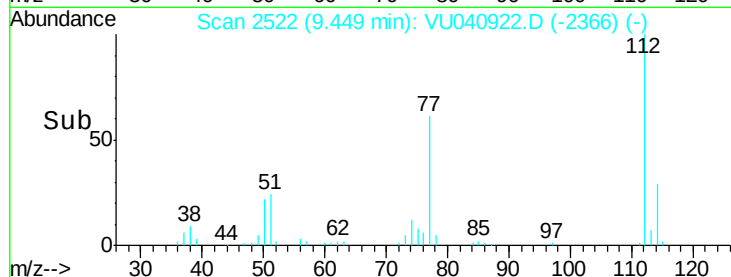
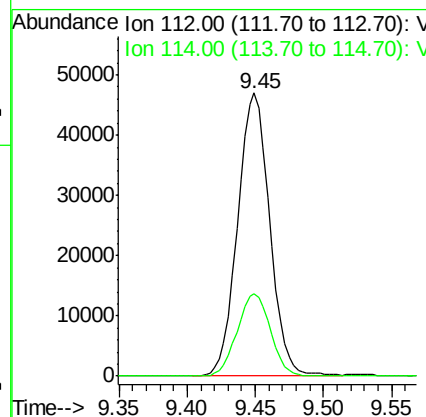
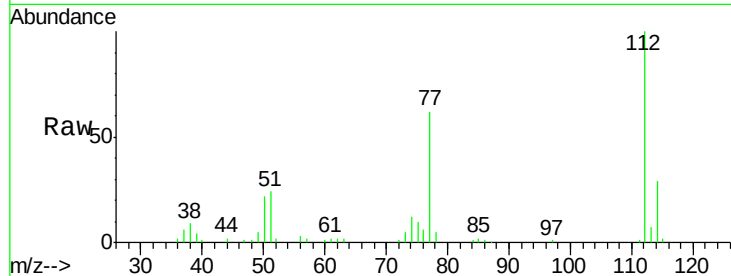
#59
Chlorobenzene
Concen: 1.880 ug/l
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU040922.D
Acq: 23 Oct 2020 00:51

Instrument :
MSVOA_U
ClientSampleId :
VU1022WBS01

Tot Ion:112 Resp: 76817
Ion Ratio Lower Upper
112 100
114 29.1 25.8 38.8

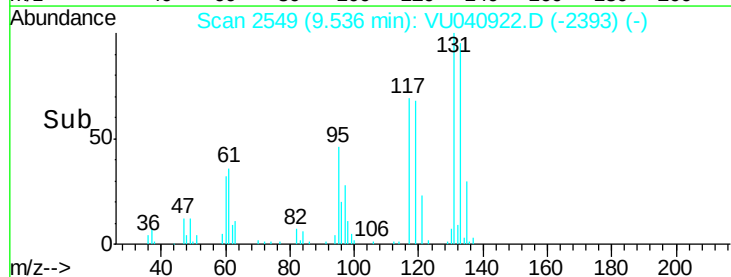
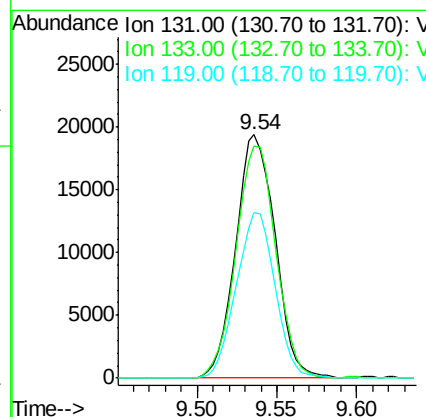
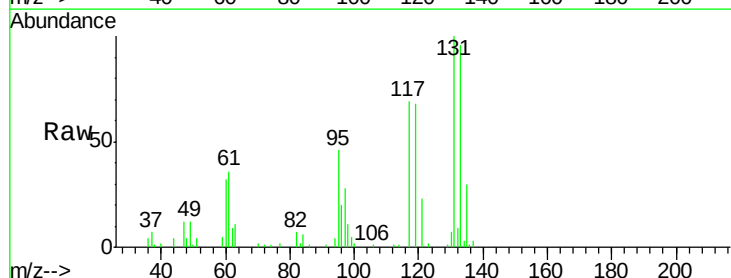
Manual Integrations
APPROVED

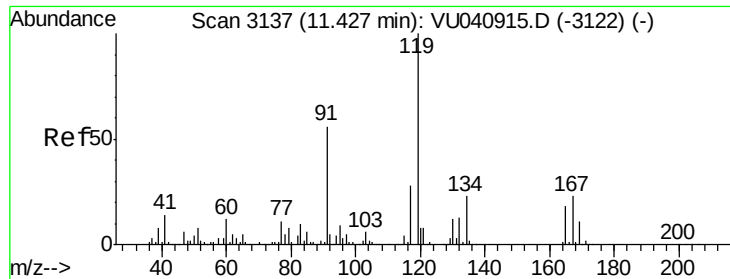
MMDadoda
10/26/2020 4:15:40 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 2.031 ug/l
RT: 9.54 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VU040922.D
Acq: 23 Oct 2020 00:51

Tgt Ion:131 Resp: 32601
Ion Ratio Lower Upper
131 100
133 96.2 77.4 116.0
119 66.7 53.5 80.3





#61

Pentachloroethane

Concen: 2.025 ug/l

RT: 11.42 min Scan# 3136

Delta R.T. -0.00 min

Lab File: VU040922.D

Acq: 23 Oct 2020 00:51

Instrument :

MSVOA_U

ClientSampleId :

VU1022WBS01

Tot Ion:117 Resp: 26250

Ion Ratio Lower Upper

117 100

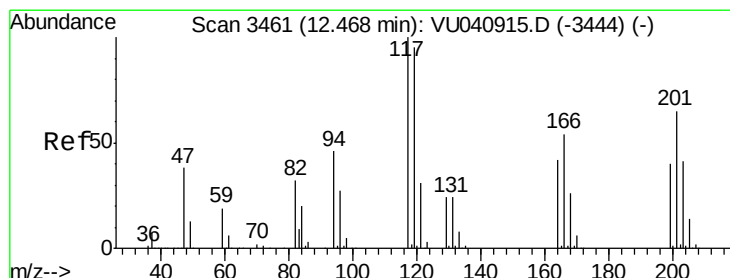
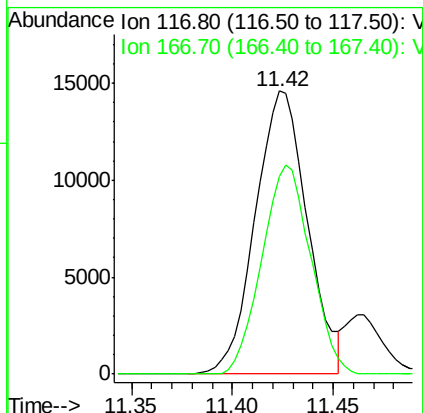
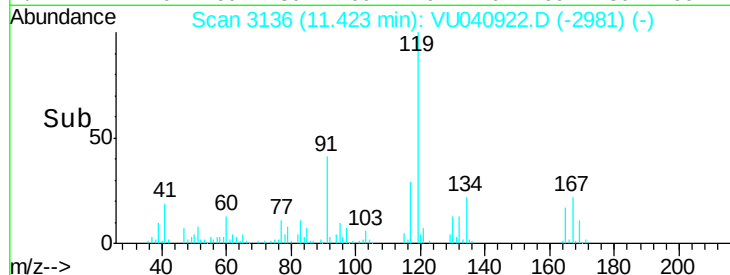
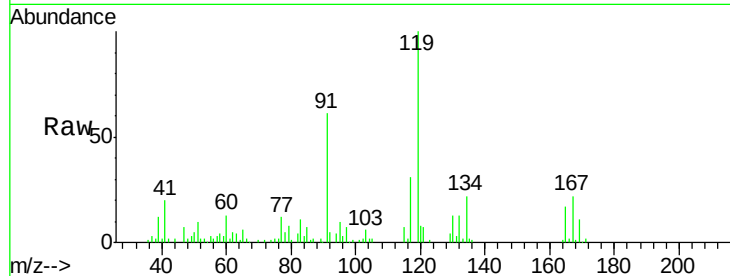
167 69.0 59.4 89.2

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#62

Hexachloroethane

Concen: 2.022 ug/l

RT: 12.47 min Scan# 3461

Delta R.T. 0.00 min

Lab File: VU040922.D

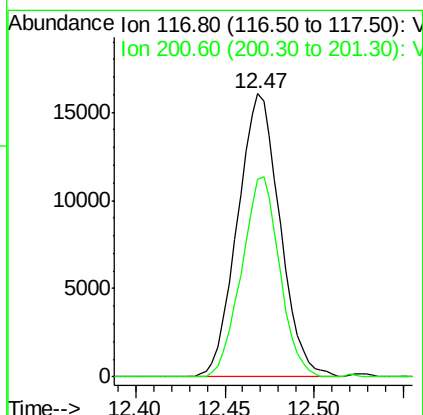
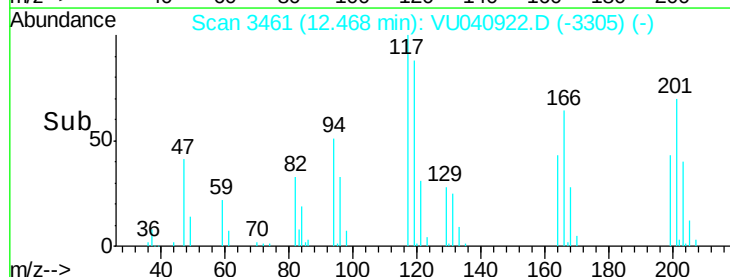
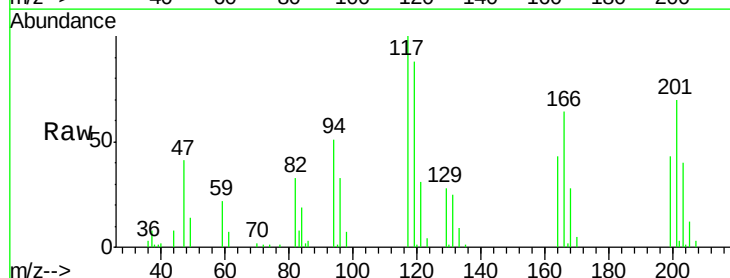
Acq: 23 Oct 2020 00:51

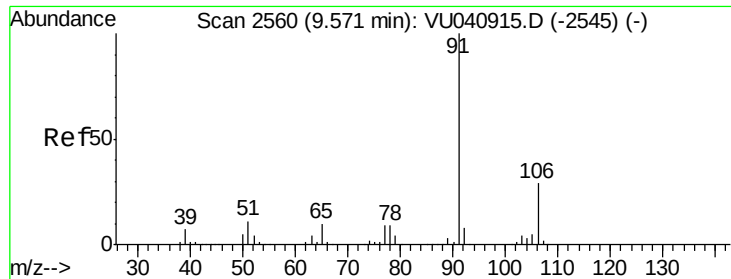
Tgt Ion:117 Resp: 26682

Ion Ratio Lower Upper

117 100

201 63.4 52.6 78.8





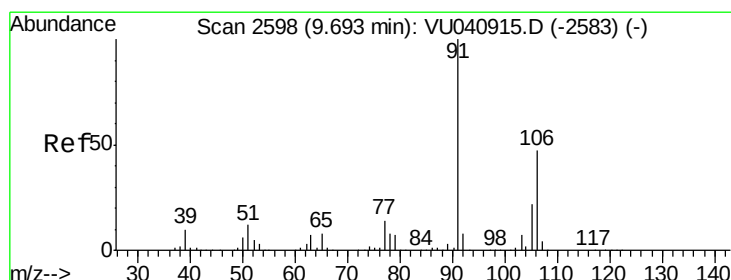
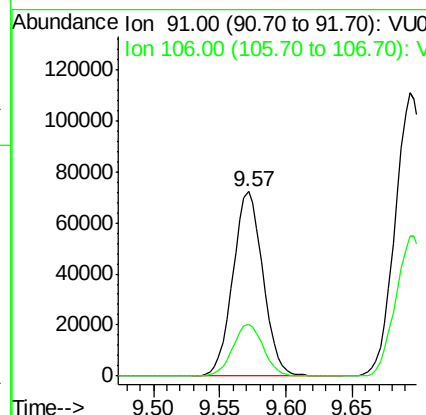
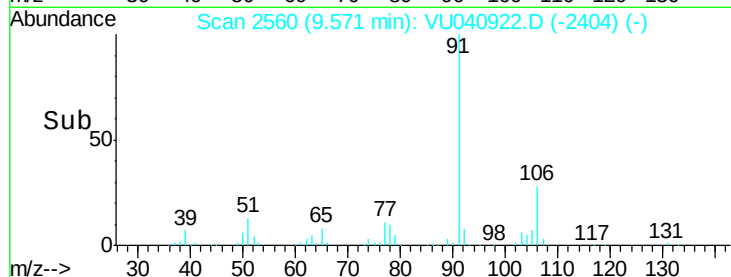
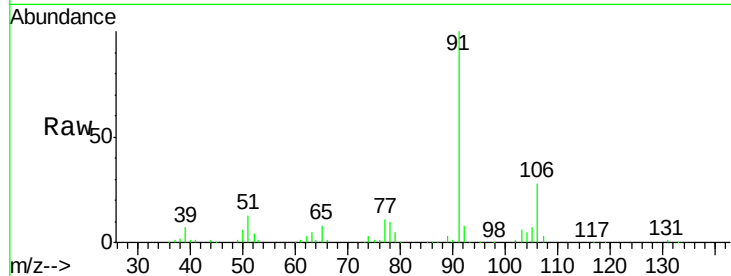
#63
Ethyl Benzene
Concen: 1.686 ug/l
RT: 9.57 min Scan# 2560
Delta R.T. 0.00 min
Lab File: VU040922.D
Acq: 23 Oct 2020 00:51

Instrument :
MSVOA_U
ClientSampleId :
VU1022WBS01

Tot Ion: 91 Resp: 114066
Ion Ratio Lower Upper
91 100
106 28.0 23.5 35.3

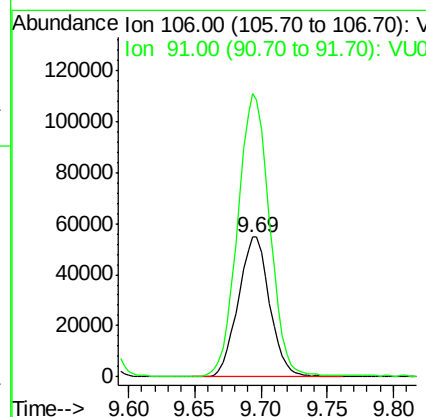
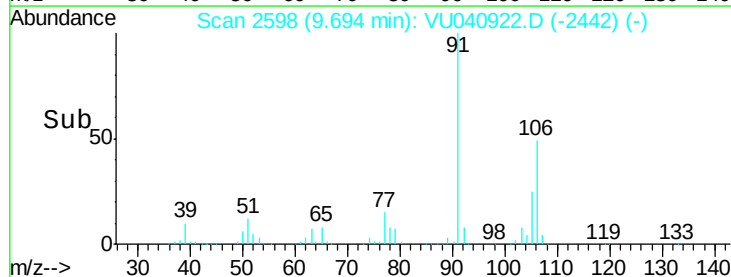
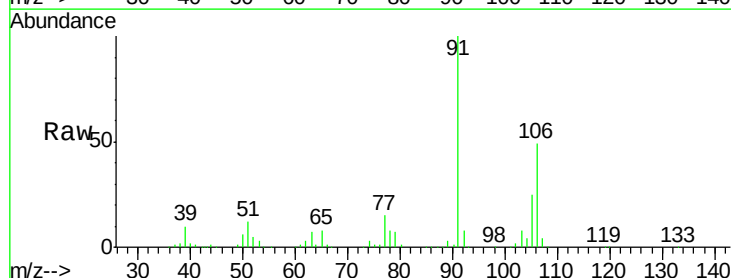
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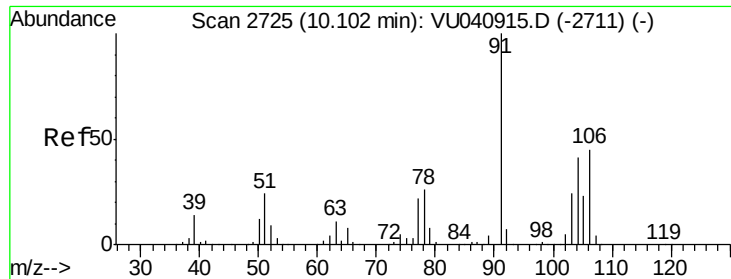
MMDadoda
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#64
m/p-Xylenes
Concen: 3.392 ug/l
RT: 9.69 min Scan# 2598
Delta R.T. 0.00 min
Lab File: VU040922.D
Acq: 23 Oct 2020 00:51

Tgt Ion: 106 Resp: 90614
Ion Ratio Lower Upper
106 100
91 203.5 168.3 252.5





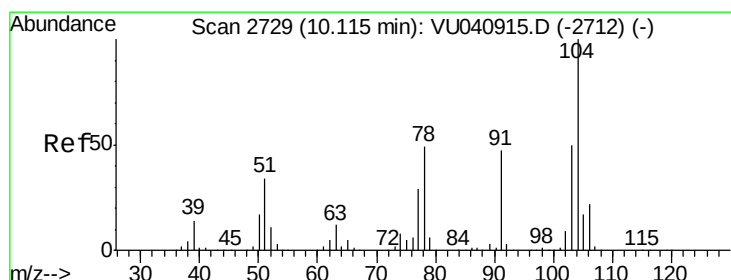
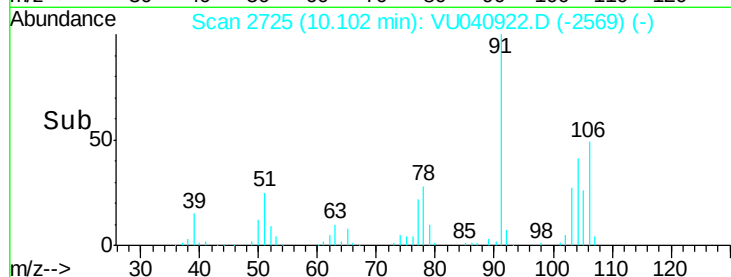
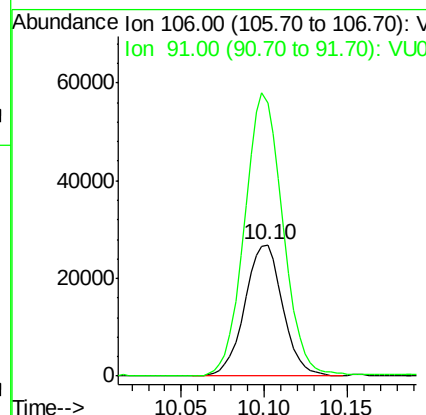
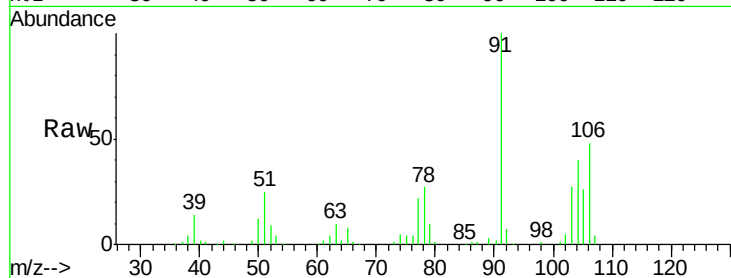
#65
o-Xylene
Concen: 1.804 ug/l
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040922.D
Acq: 23 Oct 2020 00:51

Instrument :
MSVOA_U
ClientSampleId :
VU1022WBS01

Tot Ion:106 Resp: 42873
Ion Ratio Lower Upper
106 100
91 217.3 111.3 333.9

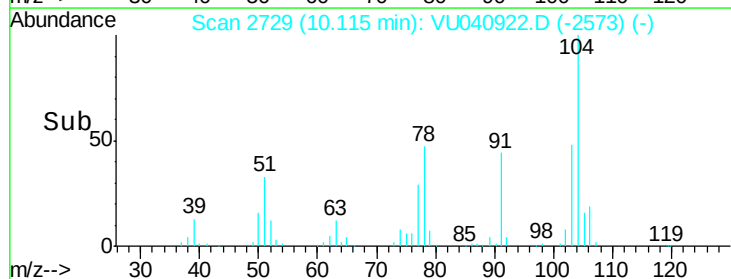
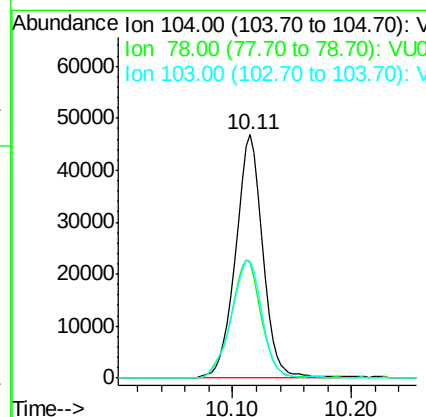
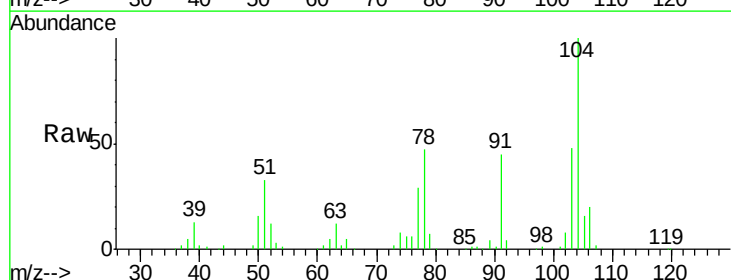
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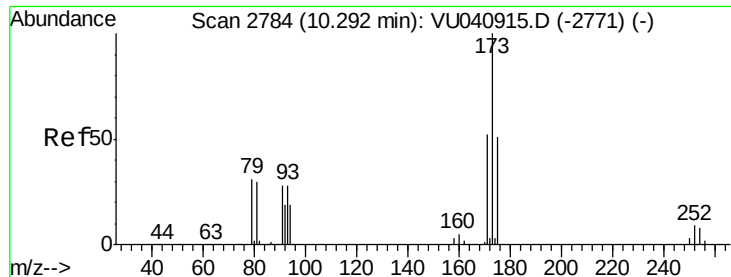
MMDadoda
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#66
Styrene
Concen: 1.723 ug/l
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040922.D
Acq: 23 Oct 2020 00:51

Tgt Ion:104 Resp: 74214
Ion Ratio Lower Upper
104 100
78 53.4 43.4 65.0
103 54.2 43.1 64.7





#67

Bromoform

Concen: 2.012 ug/l

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU040922.D

Acq: 23 Oct 2020 00:51

Instrument :

MSVOA_U

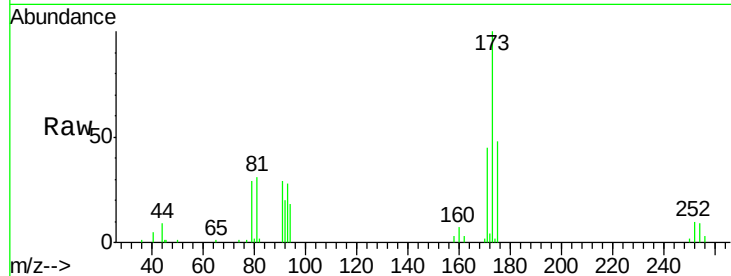
ClientSampleId :

VU1022WBS01

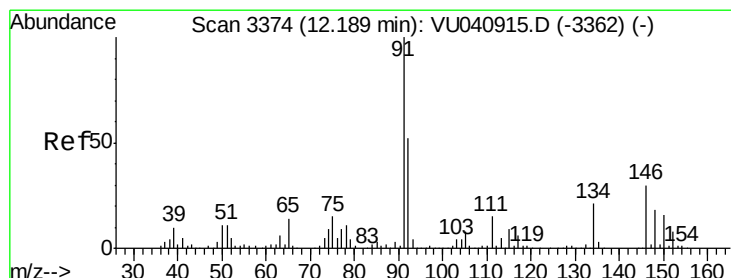
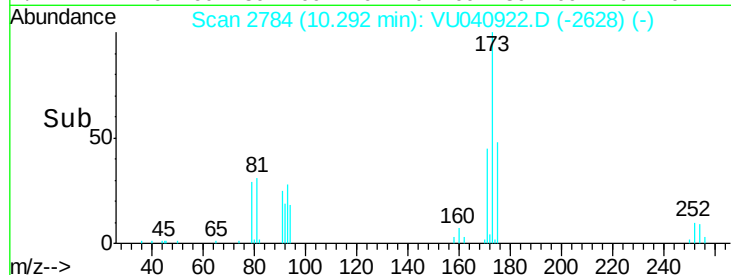
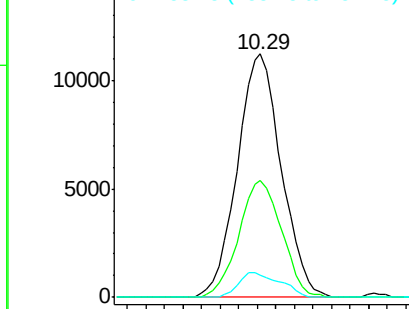
Tot Ion:	173	Resp:	18420
Ion Ratio	Lower	Upper	
173	100		
175	46.7	39.0	58.4
254	9.6	6.6	9.8

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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 0.953 ug/l

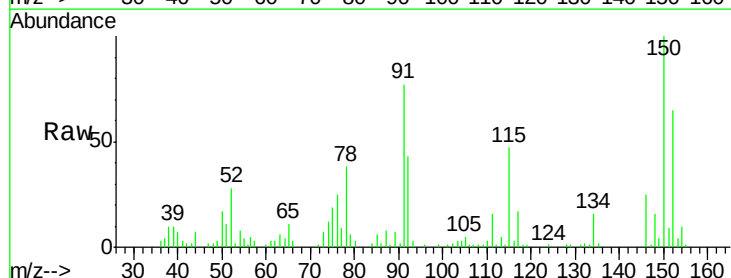
RT: 12.19 min Scan# 3373

Delta R.T. -0.00 min

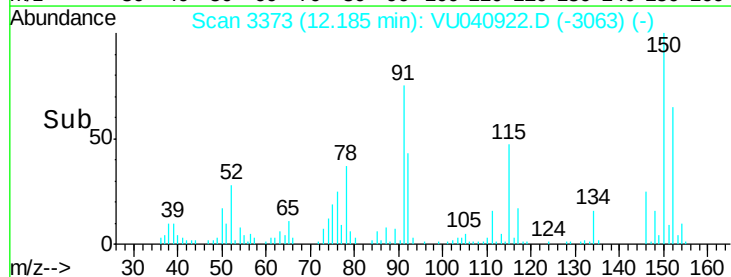
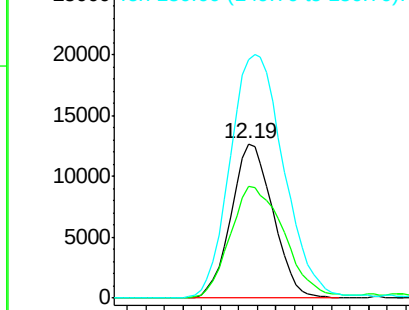
Lab File: VU040922.D

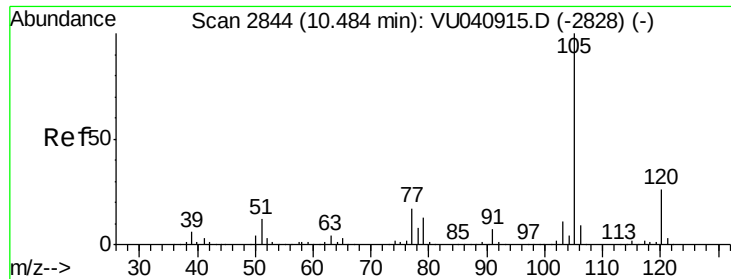
Acq: 23 Oct 2020 00:51

Tgt Ion:	152	Resp:	19859
Ion Ratio	Lower	Upper	
152	100		
115	94.0	0.0	323.4
150	202.4	0.0	653.8



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 1.689 ug/l

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040922.D

Acq: 23 Oct 2020 00:51

Instrument :

MSVOA_U

ClientSampleId :

VU1022WBS01

Tot Ion: 105 Resp: 107036

Ion Ratio Lower Upper

105 100

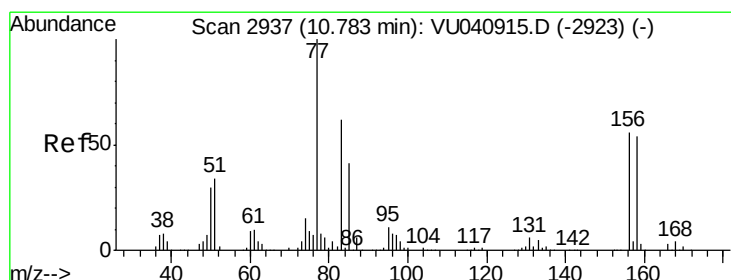
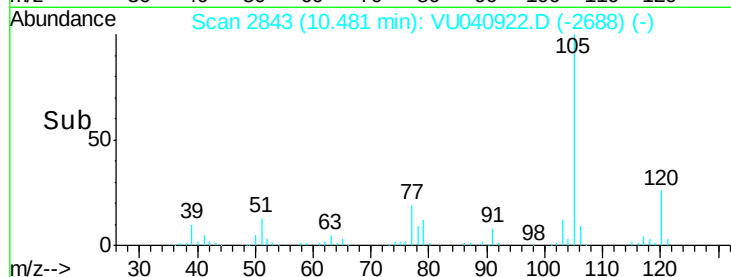
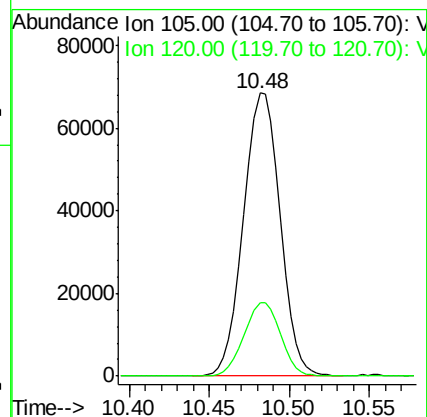
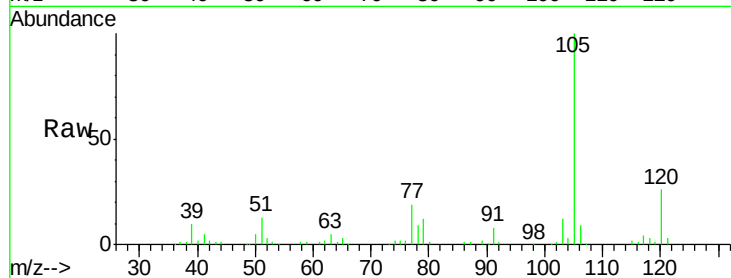
120 25.8 12.9 38.6

Manual Integrations

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#70

1,1,2,2-Tetrachloroethane

Concen: 1.991 ug/l

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040922.D

Acq: 23 Oct 2020 00:51

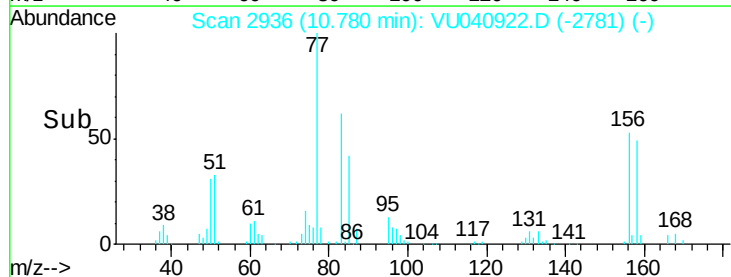
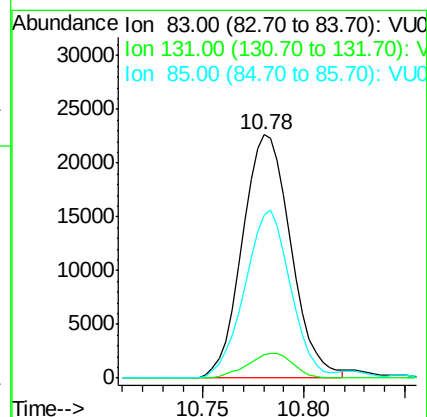
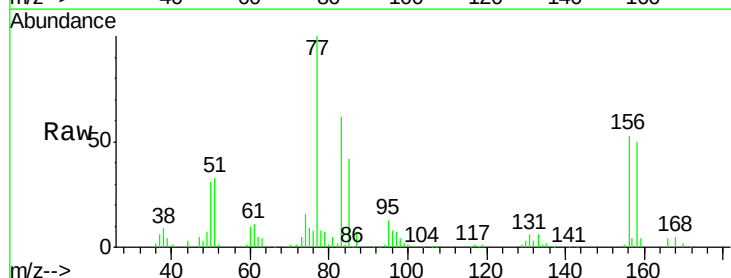
Tgt Ion: 83 Resp: 38206

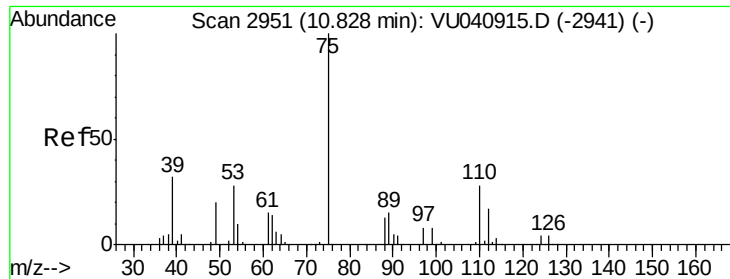
Ion Ratio Lower Upper

83 100

131 9.5 7.1 10.7

85 65.0 51.8 77.6





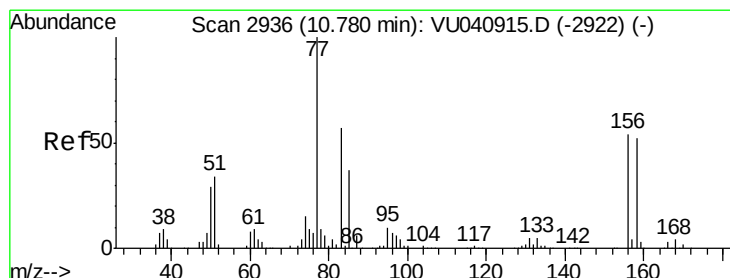
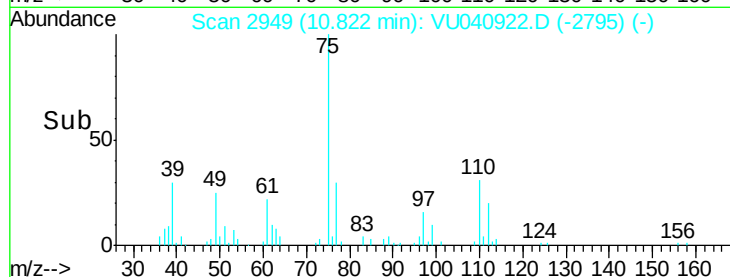
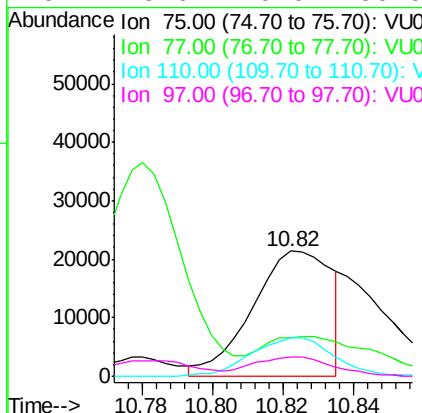
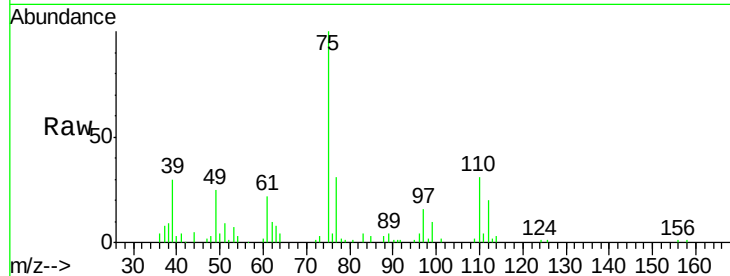
#71
 1,2,3-Trichloropropane
 Concen: 2.289 ug/l m
 RT: 10.82 min Scan# 2949
 Delta R.T. -0.01 min
 Lab File: VU040922.D
 Acq: 23 Oct 2020 00:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1022WBS01

Tot Ion	75	Resp	33495
Ion	Ratio	Lower	Upper
75	100		
77	43.8	0.0	110.8
110	32.1	0.0	73.4
97	15.6	0.0	36.0

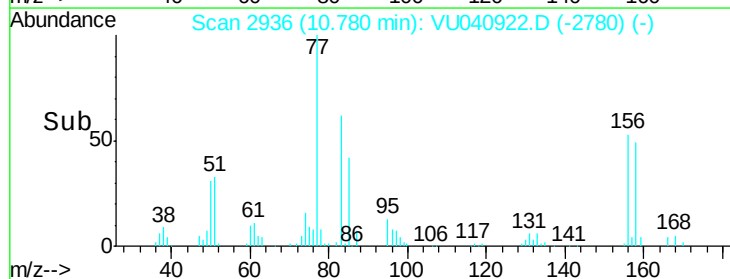
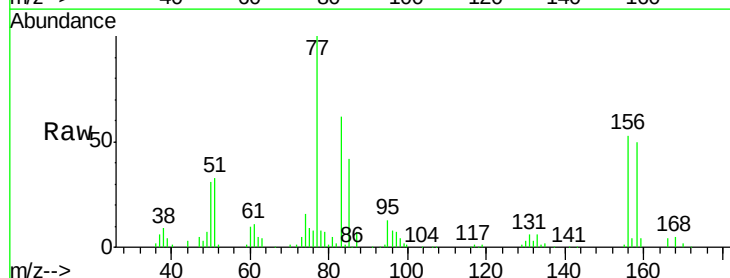
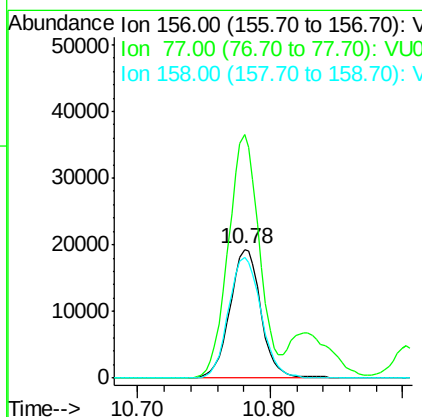
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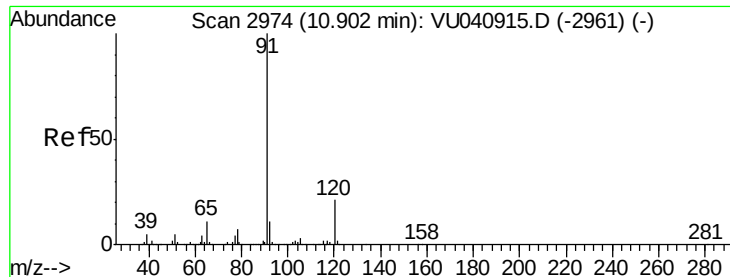
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#72
 Bromobenzene
 Concen: 1.892 ug/l
 RT: 10.78 min Scan# 2936
 Delta R.T. 0.00 min
 Lab File: VU040922.D
 Acq: 23 Oct 2020 00:51

Tgt Ion	156	Resp	31264
Ion	Ratio	Lower	Upper
156	100		
77	188.8	0.0	370.2
158	98.5	0.0	193.2





#73

n-propylbenzene

Concen: 1.668 ug/l

RT: 10.90 min Scan# 2974

Delta R.T. 0.00 min

Lab File: VU040922.D

Acq: 23 Oct 2020 00:51

Instrument :

MSVOA_U

ClientSampleId :

VU1022WBS01

Tot Ion:120 Resp: 30969

Ion Ratio Lower Upper

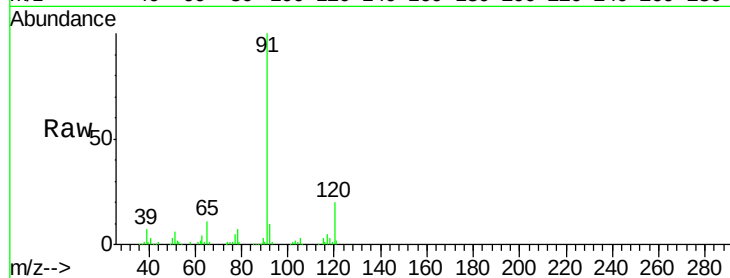
120 100

91 488.7 370.8 556.2

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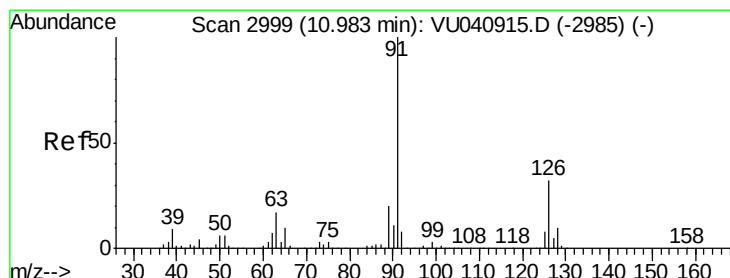
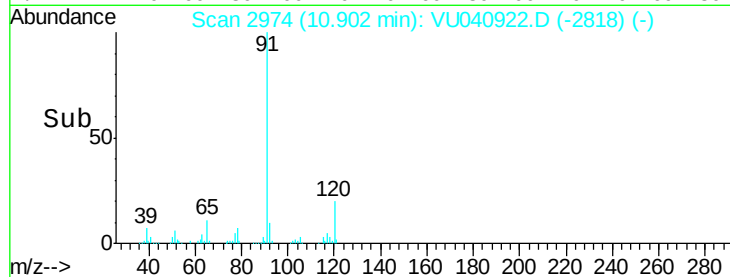
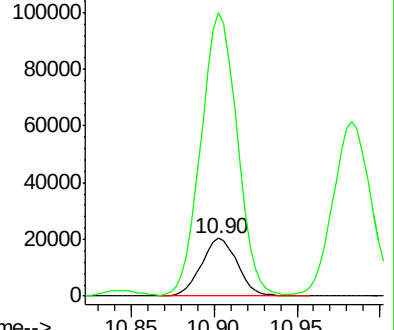
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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 1.926 ug/l

RT: 10.98 min Scan# 2999

Delta R.T. 0.00 min

Lab File: VU040922.D

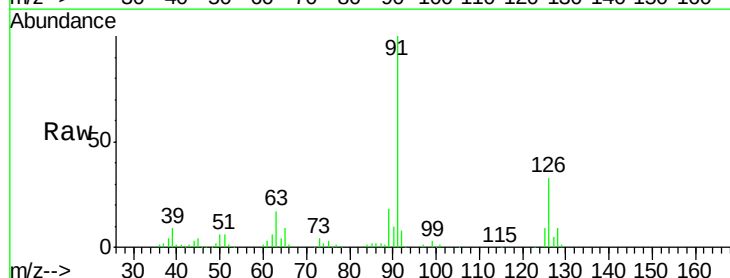
Acq: 23 Oct 2020 00:51

Tgt Ion:126 Resp: 31676

Ion Ratio Lower Upper

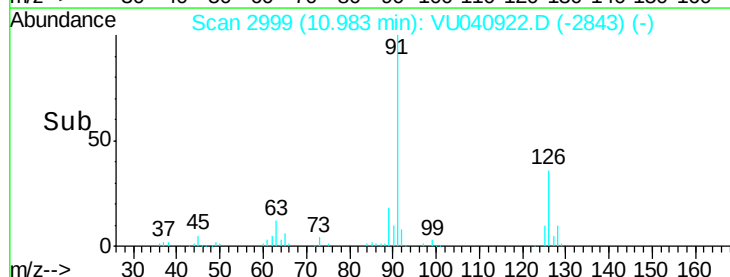
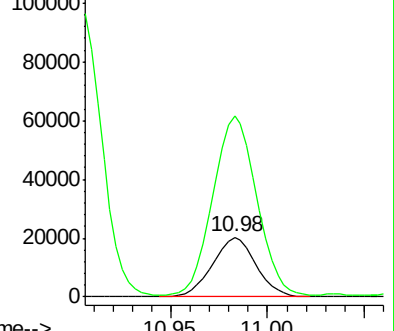
126 100

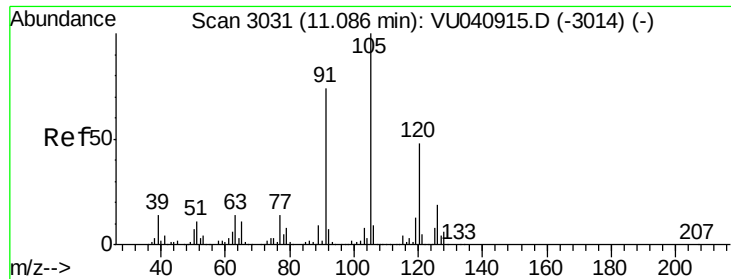
91 302.9 0.0 633.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 1.739 ug/l

RT: 11.09 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VU040922.D

Acq: 23 Oct 2020 00:51

Instrument :

MSVOA_U

ClientSampleId :

VU1022WBS01

Tot Ion:105 Resp: 101491

Ion Ratio Lower Upper

105 100

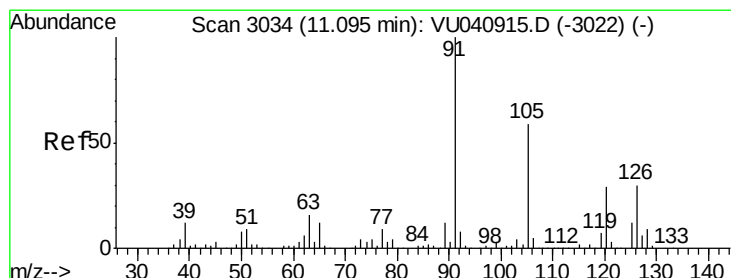
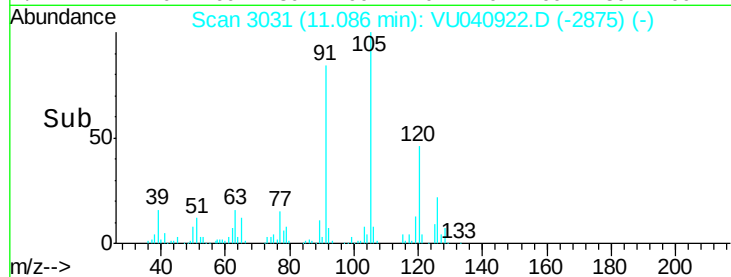
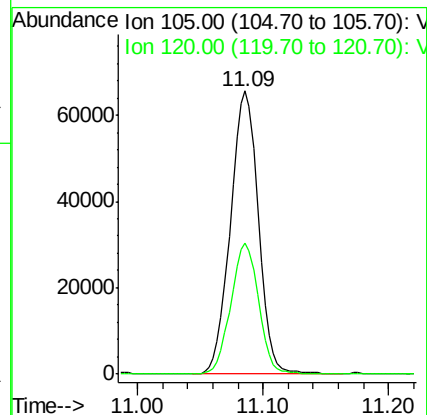
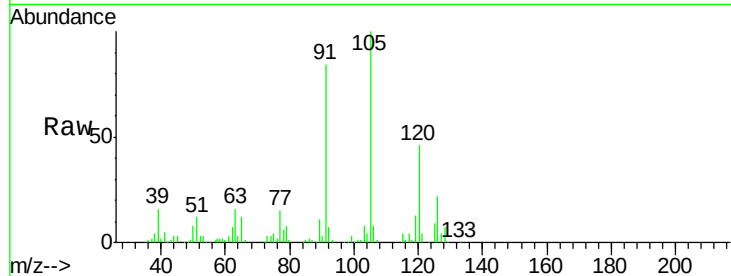
120 46.0 38.7 58.1

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#76

4-Chlorotoluene

Concen: 1.950 ug/l

RT: 11.10 min Scan# 3034

Delta R.T. 0.00 min

Lab File: VU040922.D

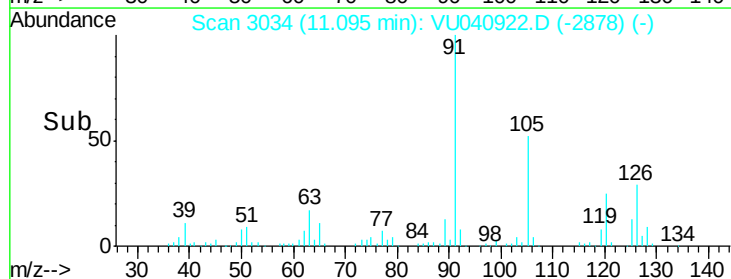
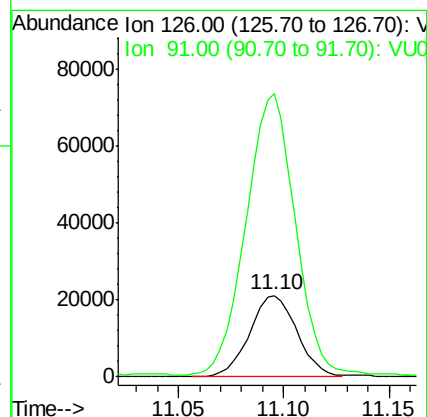
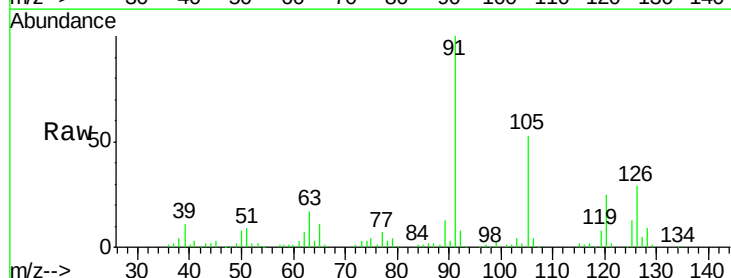
Acq: 23 Oct 2020 00:51

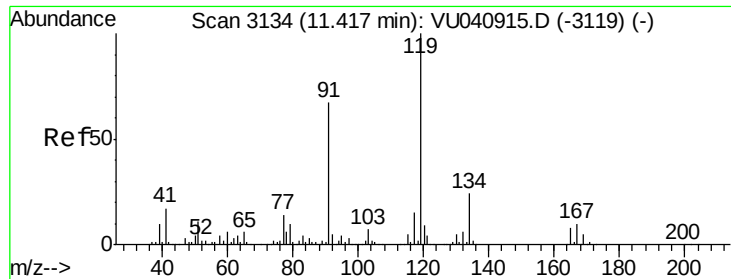
Tgt Ion:126 Resp: 33239

Ion Ratio Lower Upper

126 100

91 357.8 0.0 730.4





#77

tert-Butylbenzene

Concen: 1.785 ug/l

RT: 11.42 min Scan# 3134

Delta R.T. 0.00 min

Lab File: VU040922.D

Acq: 23 Oct 2020 00:51

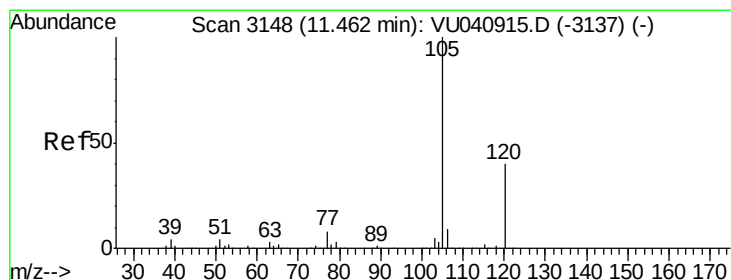
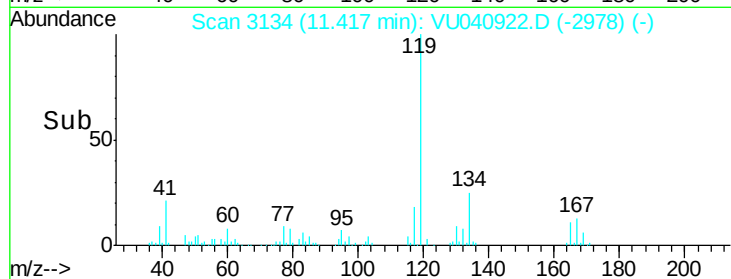
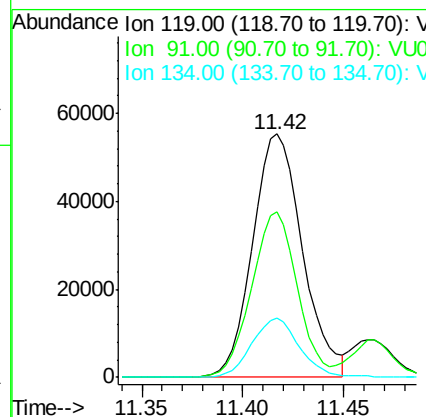
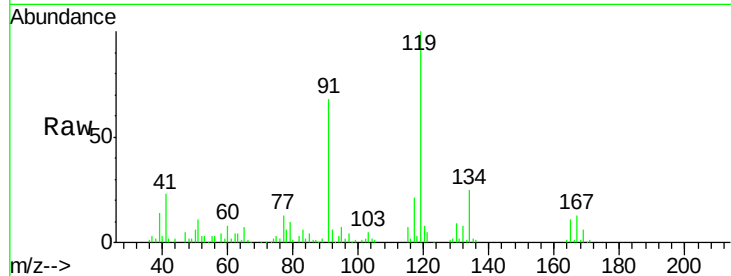
Instrument :
MSVOA_U

ClientSampleId :
VU1022WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.3	32.0	96.2
134	23.4	18.4	27.6

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#78

1,2,4-Trimethylbenzene

Concen: 1.680 ug/l

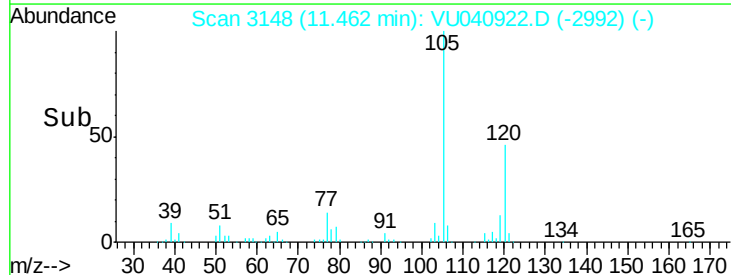
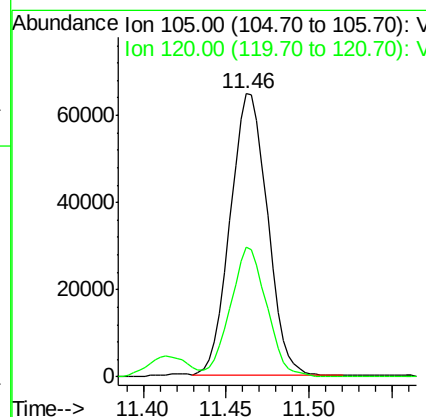
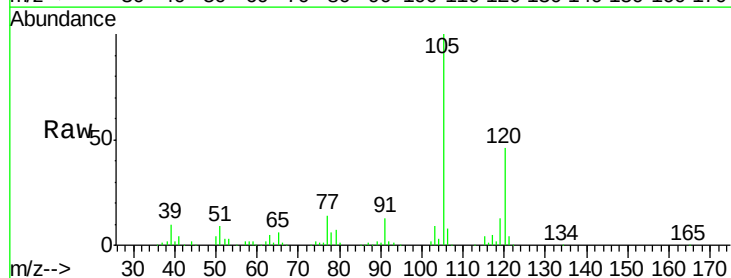
RT: 11.46 min Scan# 3148

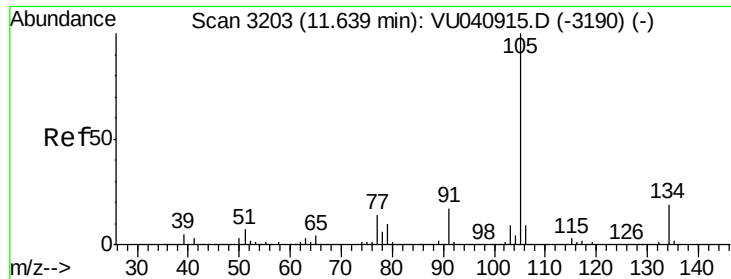
Delta R.T. 0.00 min

Lab File: VU040922.D

Acq: 23 Oct 2020 00:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.6	67.8





#79

sec-Butylbenzene

Concen: 1.826 ug/l

RT: 11.64 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VU040922.D

Acq: 23 Oct 2020 00:51

Instrument :

MSVOA_U

ClientSampleId :

VU1022WBS01

Tot Ion: 105 Resp: 135818

Ion Ratio Lower Upper

105 100

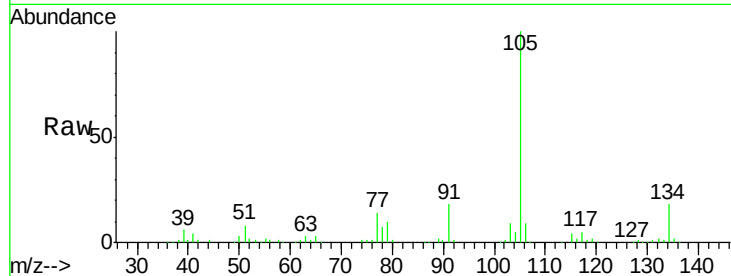
134 17.9 15.4 23.0

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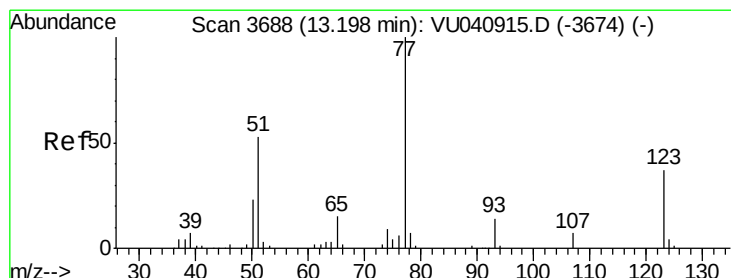
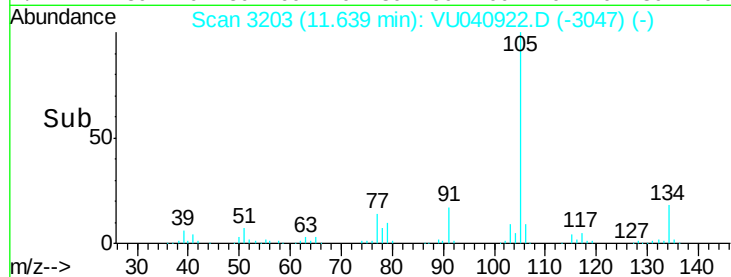
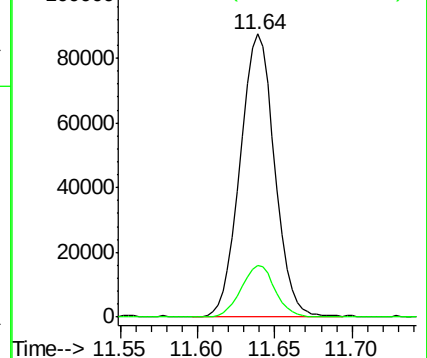
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 9.728 ug/l

RT: 13.20 min Scan# 3688

Delta R.T. 0.00 min

Lab File: VU040922.D

Acq: 23 Oct 2020 00:51

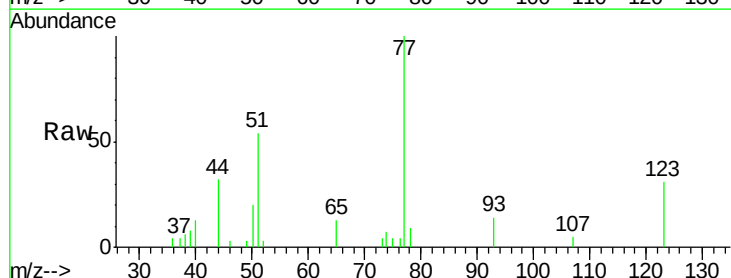
Tgt Ion: 77 Resp: 8831

Ion Ratio Lower Upper

77 100

123 34.2 16.8 59.4

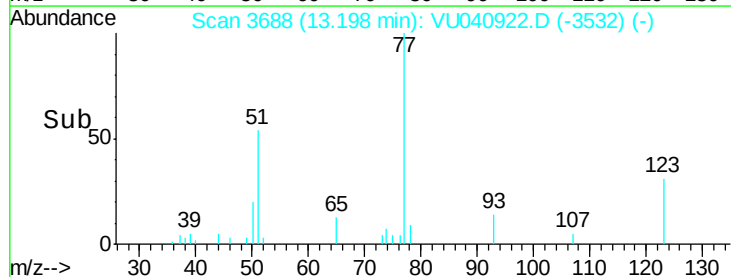
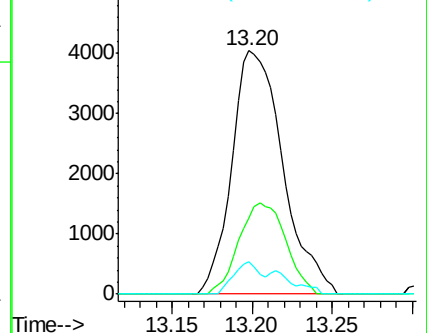
65 6.9 11.0 14.0#

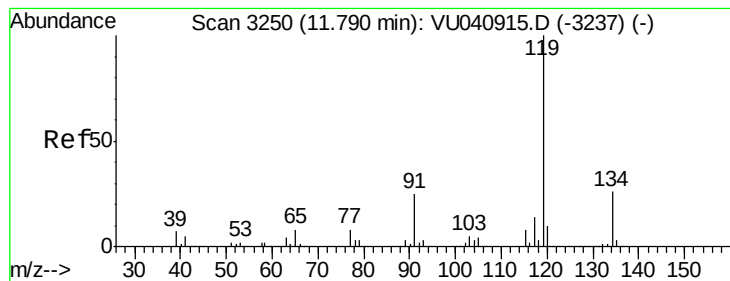


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





#81

p-Isopropyltoluene

Concen: 1.716 ug/l

RT: 11.79 min Scan# 3249

Delta R.T. -0.00 min

Lab File: VU040922.D

Acq: 23 Oct 2020 00:51

Instrument :

MSVOA_U

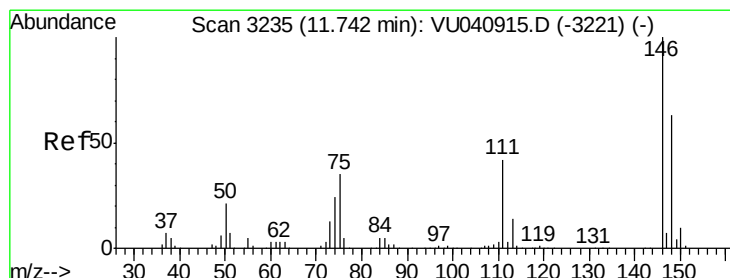
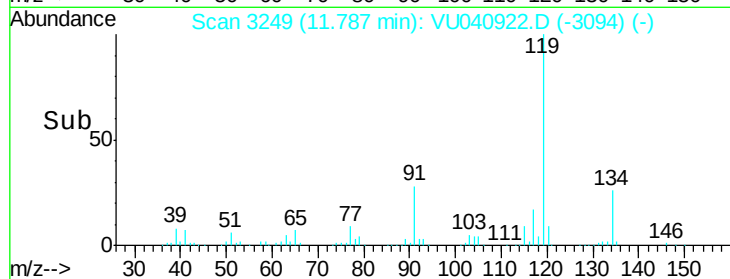
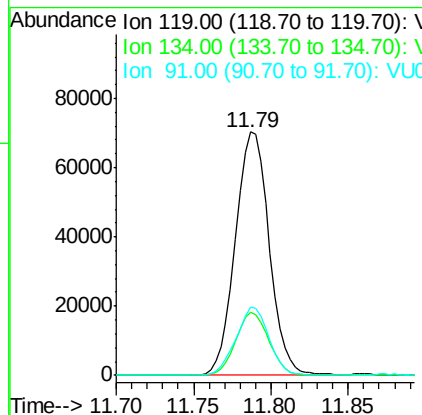
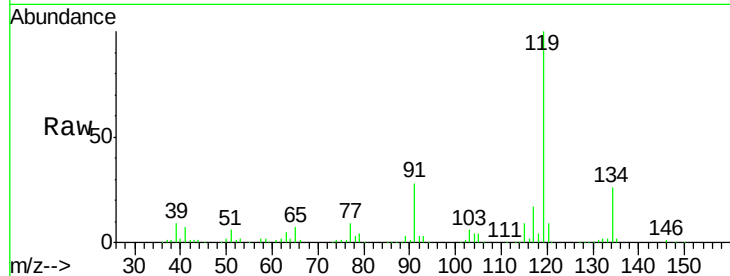
ClientSampleId :

VU1022WBS01

Tot Ion:	119	Resp:	106303
Ion Ratio	Lower	Upper	
119	100		
134	25.4	20.4	30.6
91	27.5	20.4	30.6

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#82

1,3-Dichlorobenzene

Concen: 1.950 ug/l

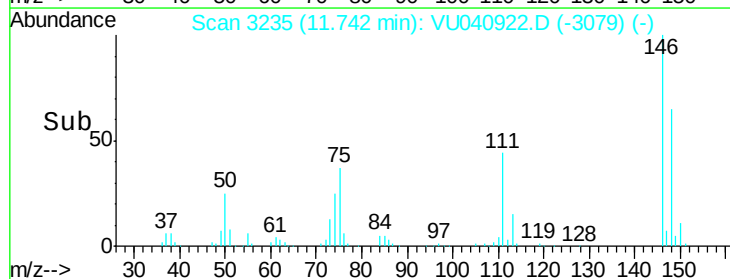
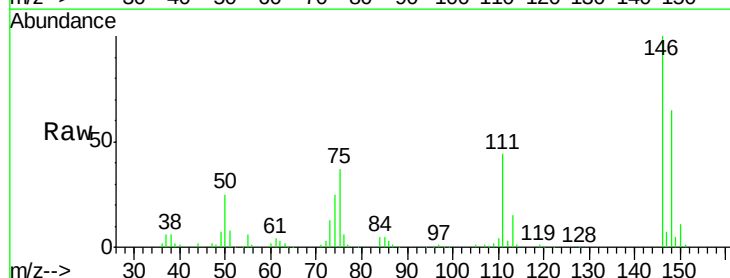
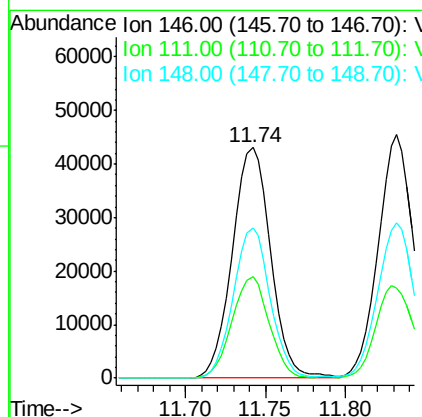
RT: 11.74 min Scan# 3235

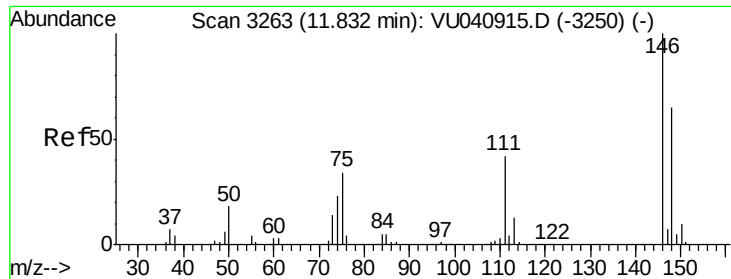
Delta R.T. 0.00 min

Lab File: VU040922.D

Acq: 23 Oct 2020 00:51

Tgt Ion:	146	Resp:	70274
Ion Ratio	Lower	Upper	
146	100		
111	42.5	33.6	50.4
148	62.5	50.1	75.1





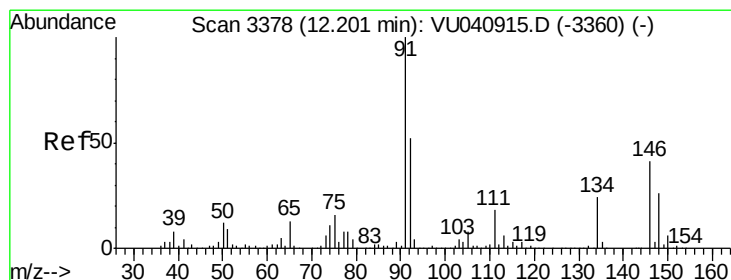
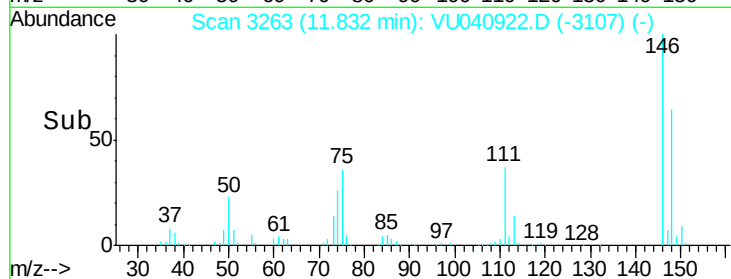
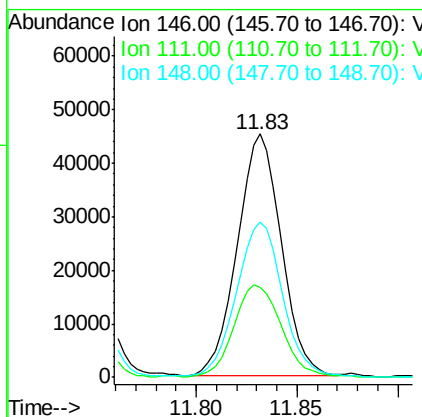
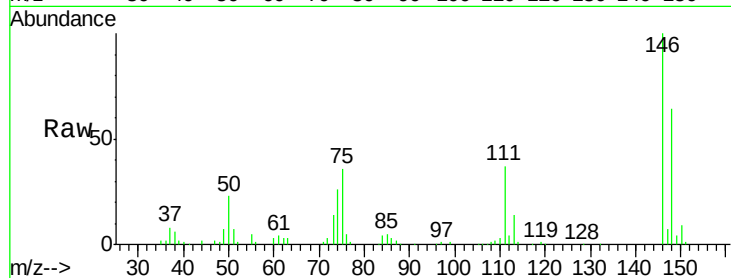
#83
 1,4-Dichlorobenzene
 Concen: 1.887 ug/l
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU040922.D
 Acq: 23 Oct 2020 00:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1022WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	33.7	50.5
148	67.5	50.6	75.8

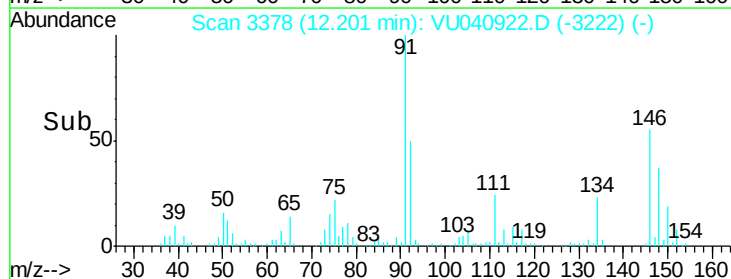
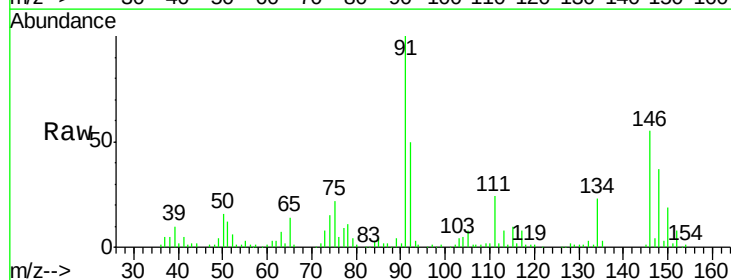
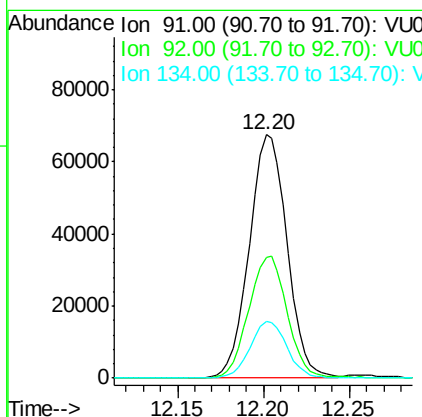
Manual Integrations
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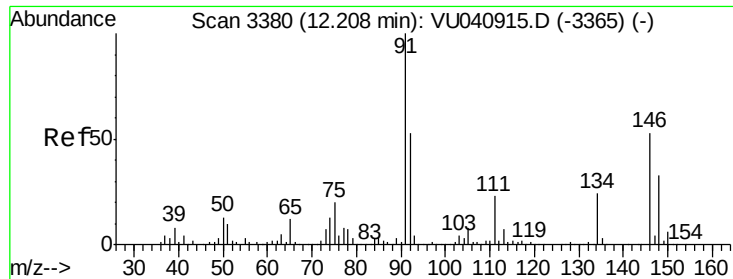
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#84
 n-Butylbenzene
 Concen: 1.652 ug/l
 RT: 12.20 min Scan# 3378
 Delta R.T. 0.00 min
 Lab File: VU040922.D
 Acq: 23 Oct 2020 00:51

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.0	41.7	62.5
134	22.6	18.6	28.0





#85

1,2-Dichlorobenzene

Concen: 1.999 ug/l

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU040922.D

Acq: 23 Oct 2020 00:51

Instrument :

MSVOA_U

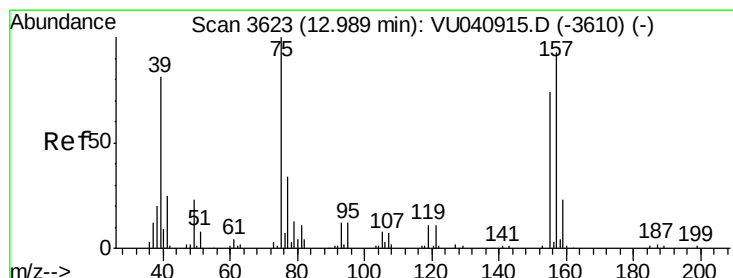
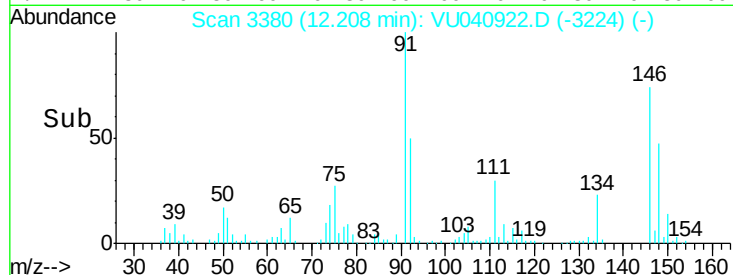
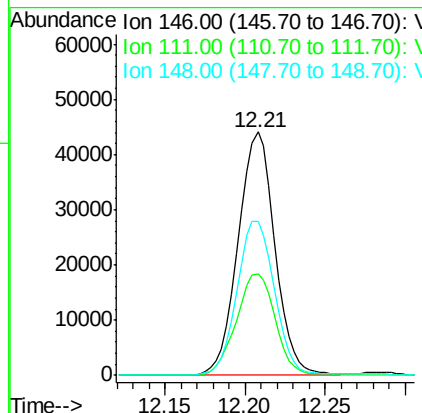
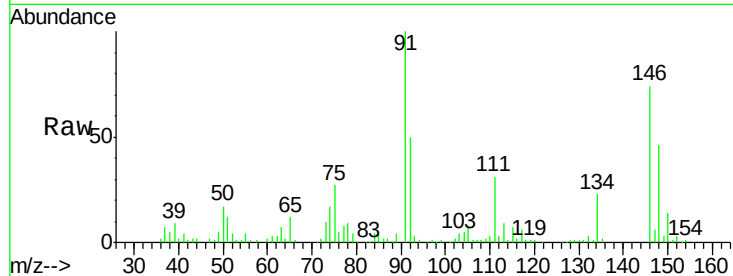
ClientSampleId :

VU1022WBS01

Tot Ion:	146	Resp:	68917
Ion Ratio	Lower	Upper	
146	100		
111	43.9	22.3	66.9
148	64.6	31.5	94.5

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#86

1,2-Dibromo-3-Chloropropane

Concen: 2.051 ug/l

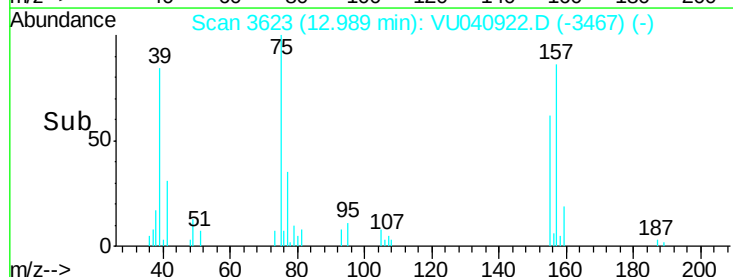
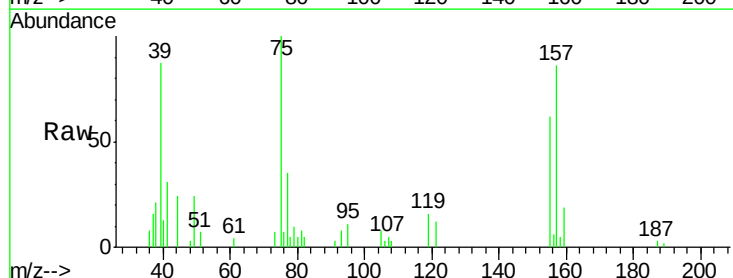
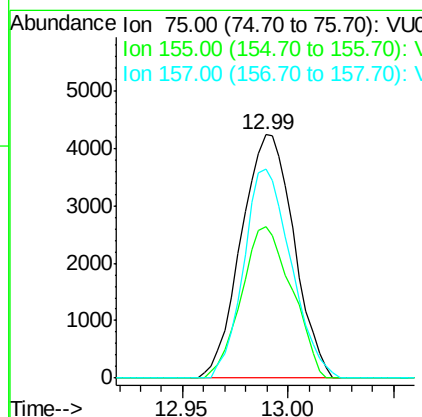
RT: 12.99 min Scan# 3623

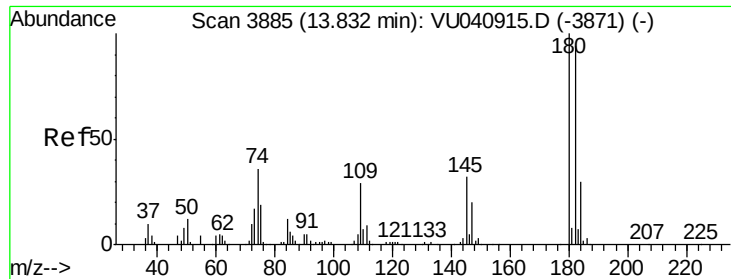
Delta R.T. 0.00 min

Lab File: VU040922.D

Acq: 23 Oct 2020 00:51

Tgt Ion:	75	Resp:	7351
Ion Ratio	Lower	Upper	
75	100		
155	59.5	57.1	85.7
157	77.6	72.4	108.6





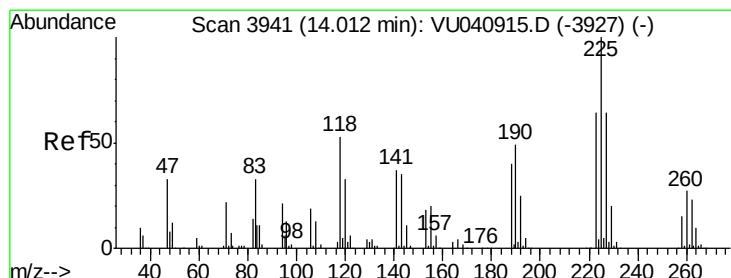
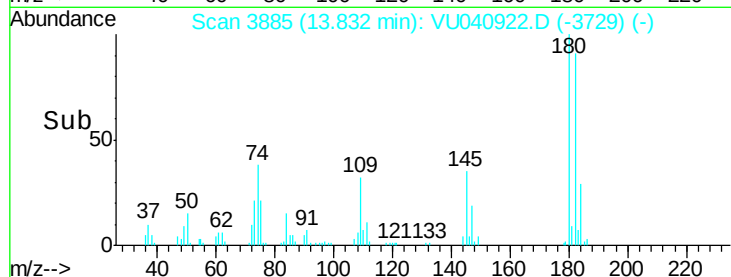
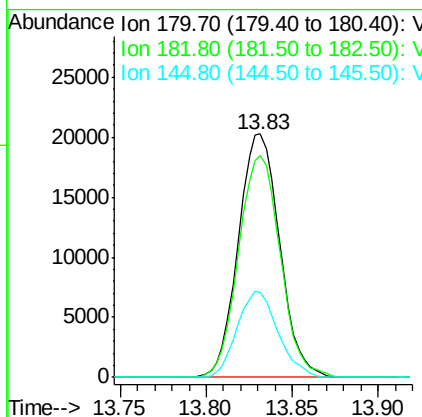
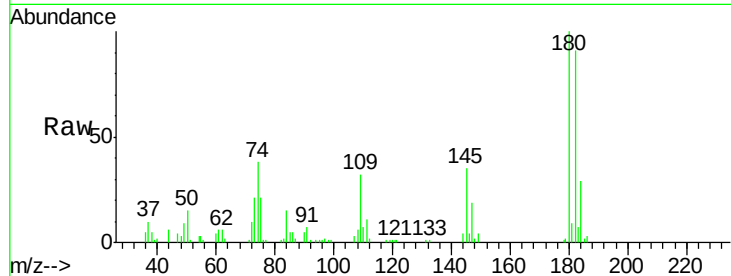
#87
 1,2,4-Trichlorobenzene
 Concen: 1.671 ug/l
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040922.D
 Acq: 23 Oct 2020 00:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1022WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.2	75.4	113.2
145	34.7	25.4	38.0

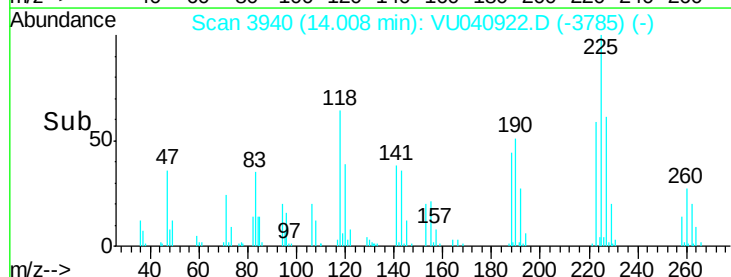
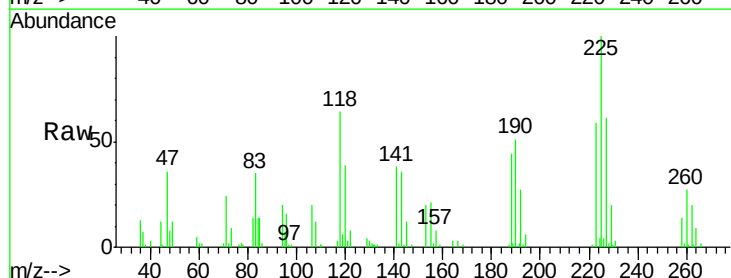
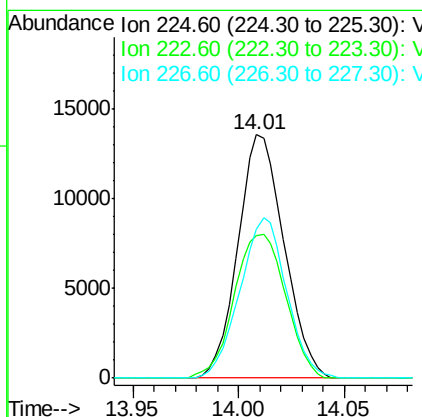
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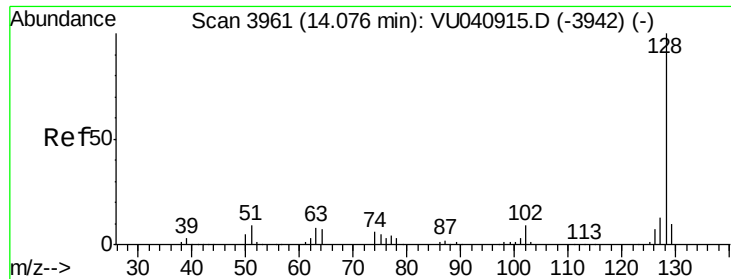
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#88
 Hexachlorobutadiene
 Concen: 1.815 ug/l
 RT: 14.01 min Scan# 3940
 Delta R.T. -0.00 min
 Lab File: VU040922.D
 Acq: 23 Oct 2020 00:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.7	49.9	74.9
227	66.6	51.1	76.7





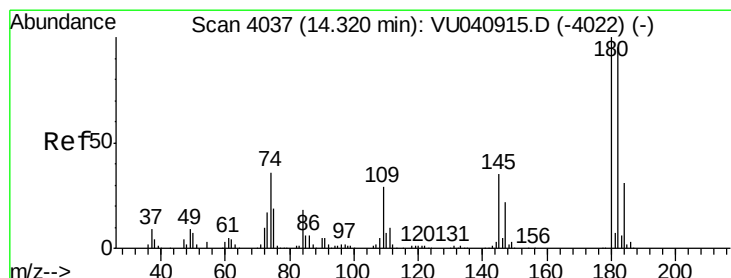
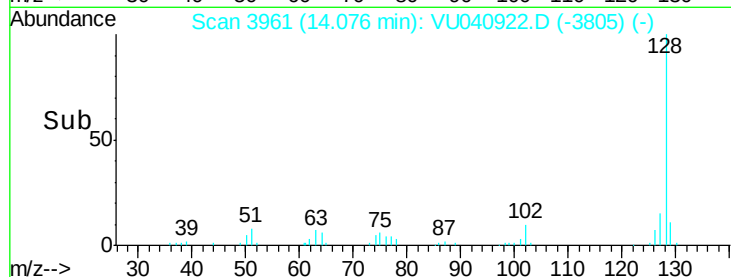
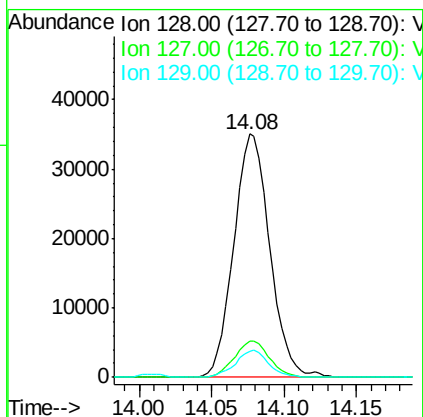
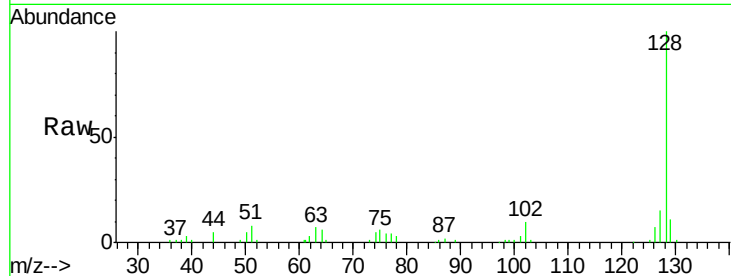
#89
Naphthalene
Concen: 1.820 ug/l
RT: 14.08 min Scan# 3961
Delta R.T. 0.00 min
Lab File: VU040922.D
Acq: 23 Oct 2020 00:51

Instrument :
MSVOA_U
ClientSampleId :
VU1022WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.4	10.7	16.1
129	10.2	8.6	13.0

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#90
1,2,3-Trichlorobenzene
Concen: 1.729 ug/l
RT: 14.32 min Scan# 4036
Delta R.T. -0.00 min
Lab File: VU040922.D
Acq: 23 Oct 2020 00:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.8	76.0	114.0
145	34.9	28.0	42.0

