

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU073020\
 Data File : VU039725.D
 Acq On : 30 Jul 2020 17:29
 Operator : SY/MD
 Sample : VU0730WBS01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0730WBS01

Manual Integrations
 APPROVED

MMDadoda

8/12/2020 6:35:17 PM

Quant Time: Aug 03 13:35:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 31 07:12:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	6.13	96	20130	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.64	95	7343	0.93	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	7131	0.93	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.39	85	14361	2.053	ug/l	98
3) Chloromethane	1.53	50	18605	2.141	ug/l	96
4) Vinyl Chloride	1.61	62	16646	2.079	ug/l	89
5) Bromomethane	1.87	94	10139	1.851	ug/l	95
6) Chloroethane	1.94	64	12094	2.177	ug/l	96
7) Trichlorofluoromethane	2.15	101	23529	2.221	ug/l	96
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	12970	2.134	ug/l	96
9) 1,1-Dichloroethene	2.59	96	11005	1.968	ug/l	99
10) Iodomethane	2.74	142	14104	2.500	ug/l	97
11) Allyl Chloride	2.93	41	24970	2.070	ug/l	98
12) Acrylonitrile	3.35	53	9392	4.784	ug/l	91
13) Acetone	2.66	43	22808	12.347	ug/l	95
14) Carbon Disulfide	2.80	76	40625	1.981	ug/l	98
15) Methylene Chloride	3.06	84	23326	2.992	ug/l	96
16) trans-1,2-Dichloroethene	3.37	96	13297	2.091	ug/l	99
17) 1,1-Dichloroethane	3.89	63	28767	2.060	ug/l	99
18) 2-Butanone	4.76	43	32757	10.545	ug/l	99
19) Cyclohexane	5.40	56	27884m	2.063	ug/l	
20) Methylcyclohexane	6.77	83	17364	1.734	ug/l	94
21) 2,2-Dichloropropane	4.68	77	22349	1.962	ug/l	100
22) cis-1,2-Dichloroethene	4.68	96	13766	2.008	ug/l	97
23) Diethyl Ether	2.39	59	12720	2.224	ug/l	96
24) tert-Butyl Alcohol	3.31	59	15418m	15.614	ug/l	
25) Methyl tert-Butyl Ether	3.39	73	36703	2.011	ug/l	98
26) Bromochloromethane	4.99	128	6347	2.263	ug/l	93
27) Chloroform	5.11	83	27143	2.077	ug/l	97
28) 1,1,1-Trichloroethane	5.33	97	20872	1.974	ug/l	98
29) 1,1-Dichloropropene	5.54	75	20752	2.038	ug/l	99
30) Carbon Tetrachloride	5.53	117	17096	1.977	ug/l	97
31) Isopropyl Ether	4.02	45	51562	2.025	ug/l	98
32) Ethyl-t-butyl ether	4.53	59	43996	2.030	ug/l	99
33) Tert-Amyl methyl ether	5.97	73	28960	1.853	ug/l	99
34) Propionitrile	4.85	54	9461	12.347	ug/l #	74
35) Benzene	5.79	78	48251	1.916	ug/l	99
36) 1,2-Dichloroethane	5.81	62	18564	1.966	ug/l	100
37) Trichloroethene	6.55	130	10485	1.819	ug/l	89
38) 1,2-Dichloropropane	6.81	63	13893	2.001	ug/l	98
39) Methacrylonitrile	5.01	41	8216	2.034	ug/l	98
40) Methyl acrylate	4.87	55	12563	2.412	ug/l #	93
41) Tetrahydrofuran	5.10	42	9092	4.475	ug/l	93
42) 1-Chlorobutane	5.47	56	32953	2.062	ug/l	98

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Manual Integrations
 APPROVED

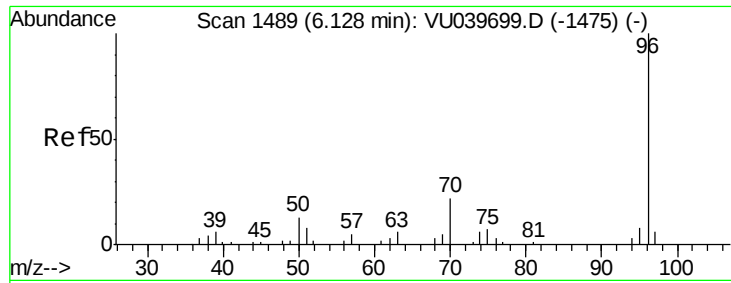
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8/12/2020 6:35:17 PM

Quant Time: Aug 03 13:35:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 31 07:12:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.93	93	7496	2.007	ug/l	96
44) Bromodichloromethane	7.12	83	16049	1.874	ug/l	95
45) 4-Methyl-2-Pentanone	7.82	43	53290	9.417	ug/l	98
46) t-1,4-Dichloro-2-butene	10.83	75	5700m	3.387	ug/l	
47) Methyl methacrylate	6.98	69	13120	3.766	ug/l	96
48) Ethyl methacrylate	8.35	69	11513	1.795	ug/l	98
49) Toluene	7.98	92	27041	1.804	ug/l	97
50) t-1,3-Dichloropropene	8.22	75	13636	1.768	ug/l	99
51) cis-1,3-Dichloropropene	7.62	75	16298	1.798	ug/l	97
52) 1,1,2-Trichloroethane	8.41	97	9377	1.932	ug/l	93
53) 1,3-Dichloropropane	8.58	76	17850	1.915	ug/l	99
54) 2-Hexanone	8.70	43	39327	9.707	ug/l	97
55) Dibromochloromethane	8.82	129	9539	1.830	ug/l	94
56) 1,2-Dibromoethane	8.93	107	9339	1.997	ug/l	97
58) Tetrachloroethene	8.56	164	9969	1.976	ug/l	96
59) Chlorobenzene	9.45	112	29824	1.924	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.54	131	9725	1.860	ug/l	99
61) Pentachloroethane	11.43	117	8213	1.788	ug/l	97
62) Hexachloroethane	12.47	117	7153	1.699	ug/l	93
63) Ethyl Benzene	9.57	91	48136	1.733	ug/l	99
64) m/p-Xylenes	9.70	106	38588	3.555	ug/l	100
65) o-Xylene	10.10	106	18604	1.805	ug/l	100
66) Styrene	10.11	104	31095	1.761	ug/l	100
67) Bromoform	10.29	173	4739	1.782	ug/l	96
69) Isopropylbenzene	10.48	105	47305	1.718	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.78	83	13853	1.983	ug/l	100
71) 1,2,3-Trichloropropane	10.83	75	11350m	2.156	ug/l	
72) Bromobenzene	10.78	156	11112	1.777	ug/l	95
73) n-propylbenzene	10.91	120	13319	1.721	ug/l	100
74) 2-Chlorotoluene	10.99	126	11783	1.802	ug/l	97
75) 1,3,5-Trimethylbenzene	11.09	105	42022	1.766	ug/l	100
76) 4-Chlorotoluene	11.10	126	12521	1.849	ug/l	100
77) tert-Butylbenzene	11.42	119	38956	1.706	ug/l	98
78) 1,2,4-Trimethylbenzene	11.46	105	42192	1.729	ug/l	99
79) sec-Butylbenzene	11.64	105	57255	1.762	ug/l	99
80) Nitrobenzene	13.20	77	839	7.096	ug/l #	71
81) p-Isopropyltoluene	11.79	119	44338	1.693	ug/l	97
82) 1,3-Dichlorobenzene	11.74	146	23866	1.774	ug/l	96
83) 1,4-Dichlorobenzene	11.83	146	25128	1.857	ug/l	99
84) n-Butylbenzene	12.20	91	46522	1.673	ug/l	98
85) 1,2-Dichlorobenzene	12.21	146	23625	1.822	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.99	75	2083	1.770	ug/l	97
87) 1,2,4-Trichlorobenzene	13.83	180	13818	1.704	ug/l	95
88) Hexachlorobutadiene	14.01	225	6597	1.791	ug/l	95
89) Naphthalene	14.08	128	25888	1.492	ug/l	99
90) 1,2,3-Trichlorobenzene	14.32	180	12714	1.660	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: VU039725.D

Acq: 30 Jul 2020 17:29

Instrument :

MSVOA_U

ClientSampleId :

VU0730WBS01

Tot Ion: 96 Resp: 20130

Ion Ratio Lower Upper

96 100

70 21.7 16.3 24.5

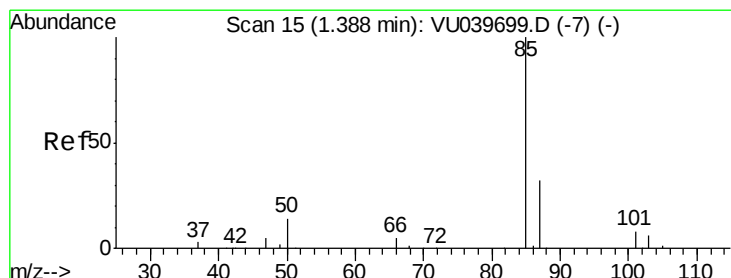
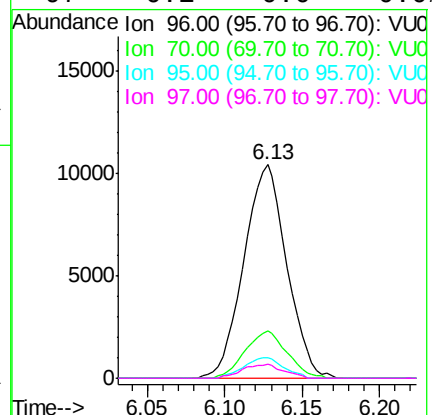
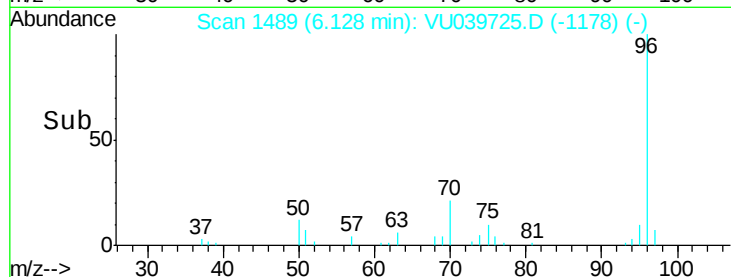
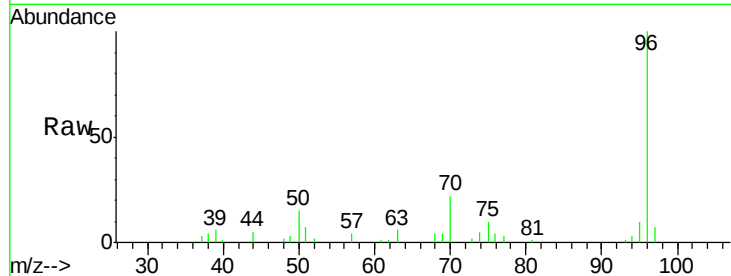
95 8.9 6.8 10.2

97 6.1 0.0 0.0#

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#2

Dichlorodifluoromethane

Concen: 2.053 ug/l

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU039725.D

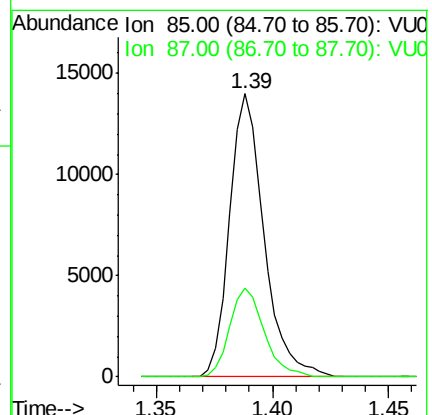
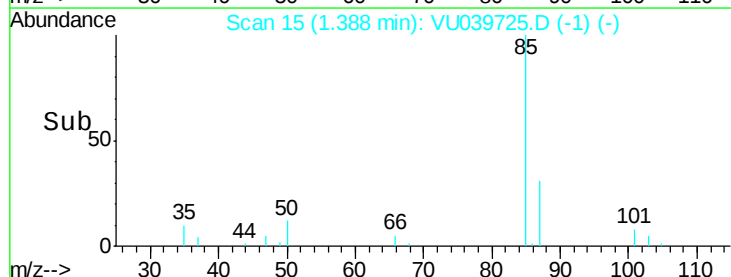
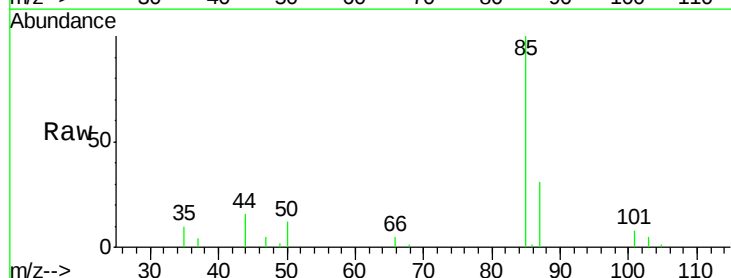
Acq: 30 Jul 2020 17:29

Tgt Ion: 85 Resp: 14361

Ion Ratio Lower Upper

85 100

87 31.5 16.2 48.6





#3
 Chloromethane
 Concen: 2.141 ug/l
 RT: 1.53 min Scan# 59
 Delta R.T. -0.00 min
 Lab File: VU039725.D
 Acq: 30 Jul 2020 17:29

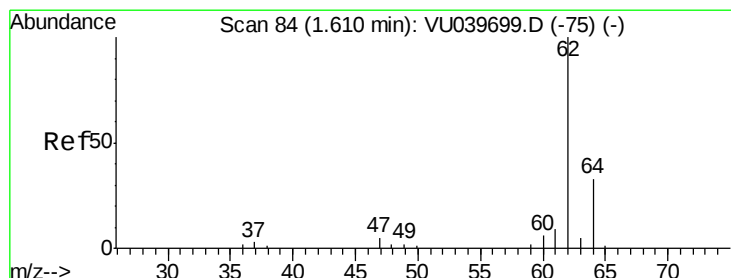
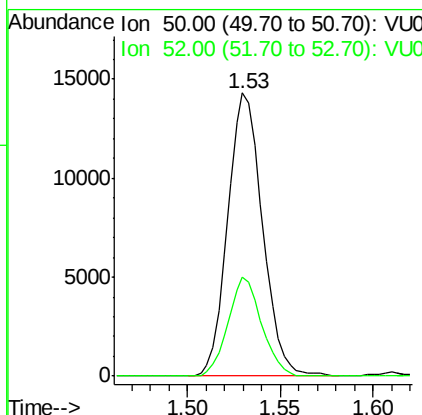
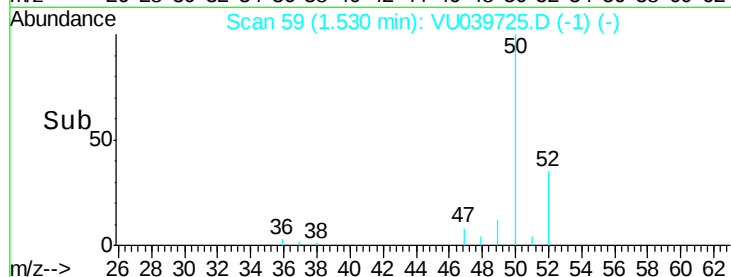
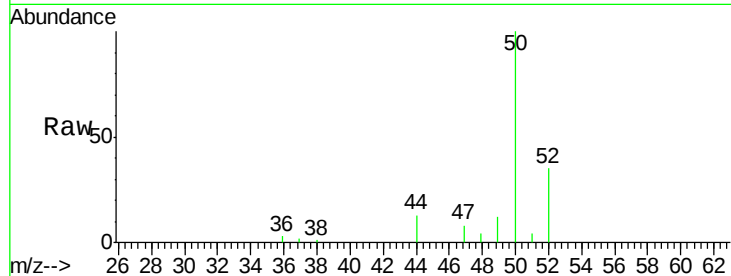
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0730WBS01

Tot Ion	Ratio	Lower	Upper
50	100		
52	34.8	26.0	39.0

Manual Integrations
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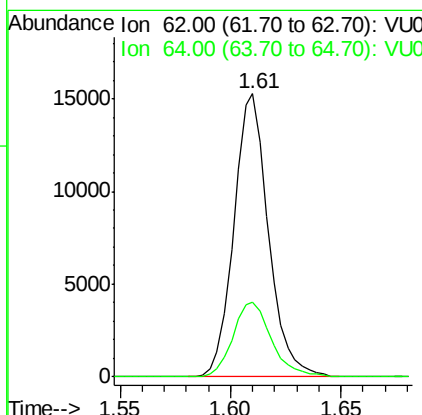
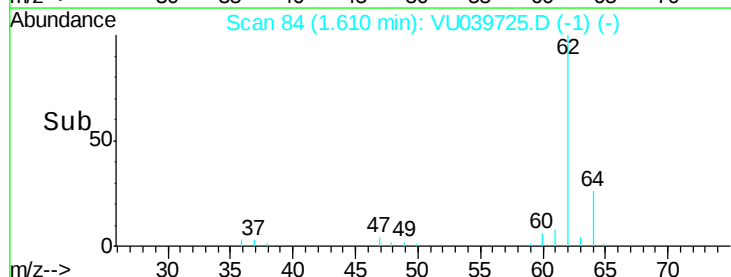
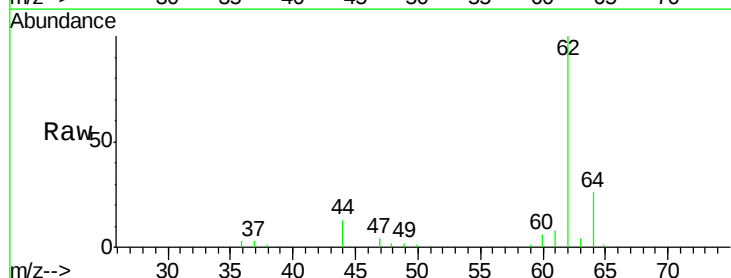
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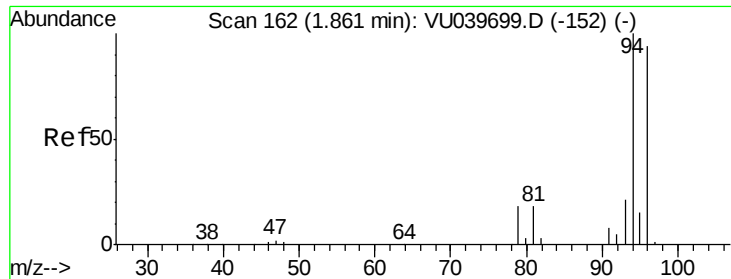
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#4
 Vinyl Chloride
 Concen: 2.079 ug/l
 RT: 1.61 min Scan# 84
 Delta R.T. -0.00 min
 Lab File: VU039725.D
 Acq: 30 Jul 2020 17:29

Tgt Ion	Ratio	Lower	Upper
62	100		
64	26.4	26.0	39.0





#5

Bromomethane

Concen: 1.851 ug/l

RT: 1.87 min Scan# 164

Delta R.T. 0.01 min

Lab File: VU039725.D

Acq: 30 Jul 2020 17:29

Instrument :

MSVOA_U

ClientSampleId :

VU0730WBS01

Tot Ion: 94 Resp: 10139

Ion Ratio Lower Upper

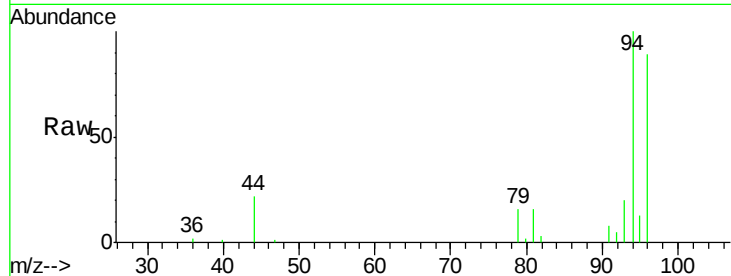
94 100

96 88.8 75.0 112.6

Manual Integrations
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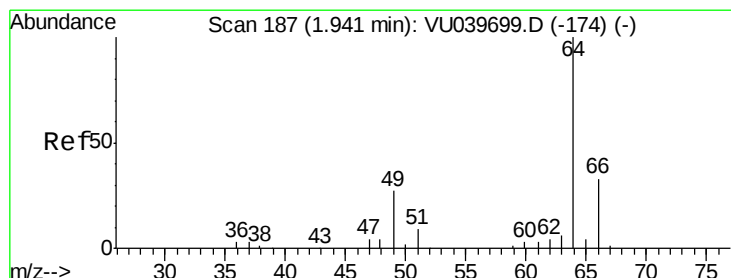
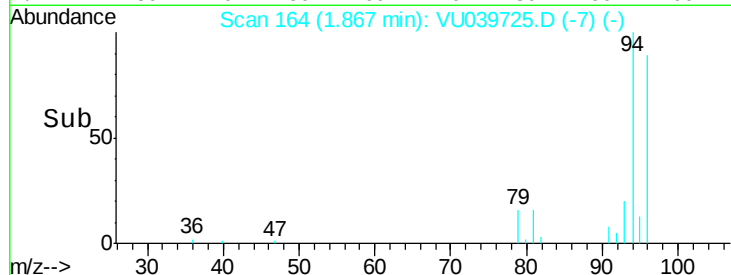
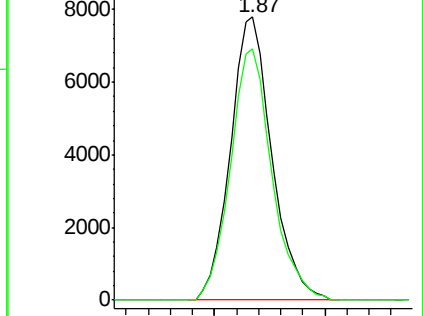
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Abundance Ion 94.00 (93.70 to 94.70): VU039699.D (-152) (-)

Ion 96.00 (95.70 to 96.70): VU039699.D (-152) (-)



#6

Chloroethane

Concen: 2.177 ug/l

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU039725.D

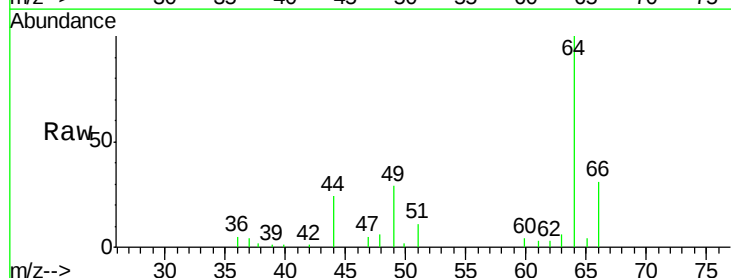
Acq: 30 Jul 2020 17:29

Tgt Ion: 64 Resp: 12094

Ion Ratio Lower Upper

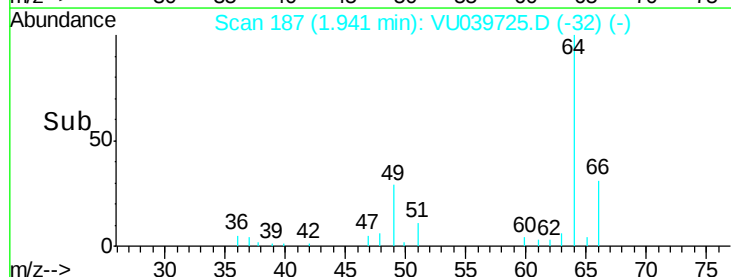
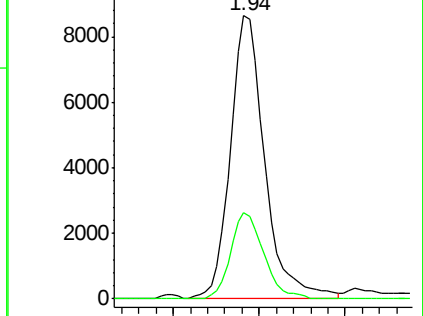
64 100

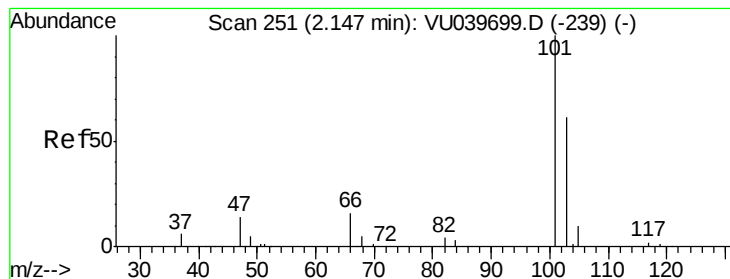
66 30.7 26.2 39.2



Abundance Ion 64.00 (63.70 to 64.70): VU039699.D (-174) (-)

Ion 66.00 (65.70 to 66.70): VU039699.D (-174) (-)





#7

Trichlorofluoromethane
Concen: 2.221 ug/l
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU039725.D
Acq: 30 Jul 2020 17:29

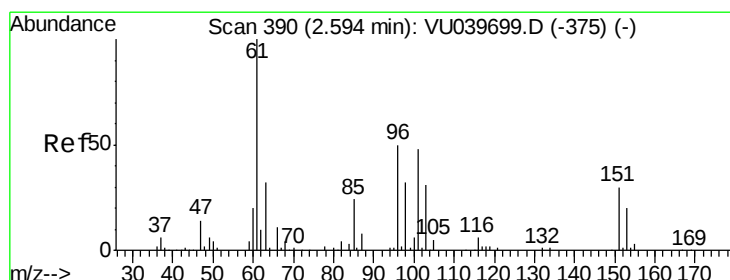
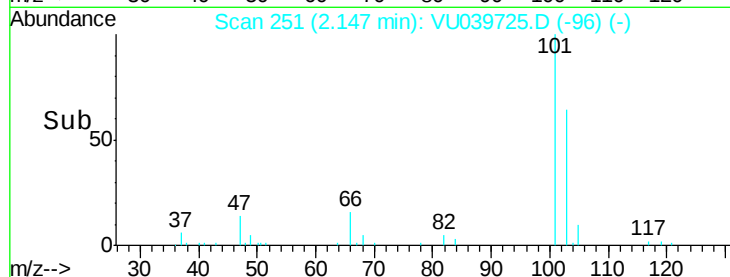
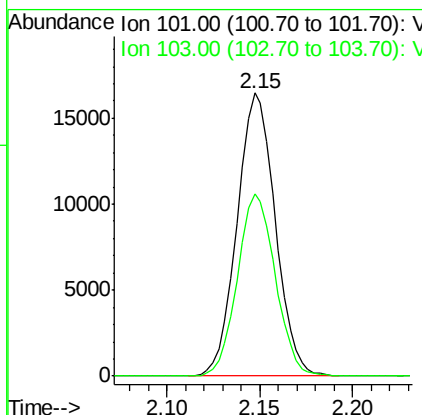
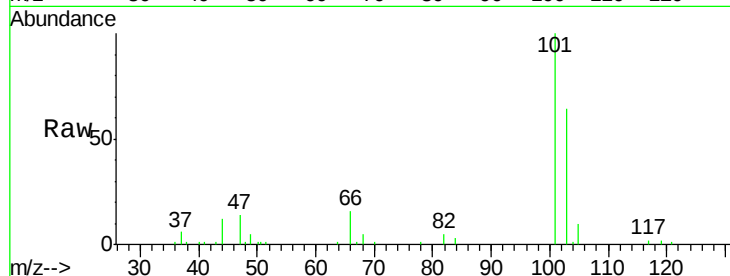
Instrument :
MSVOA_U
ClientSampleId :
VU0730WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	101	100	23529		
103	103	64.2	48.8	73.2	

Manual Integrations
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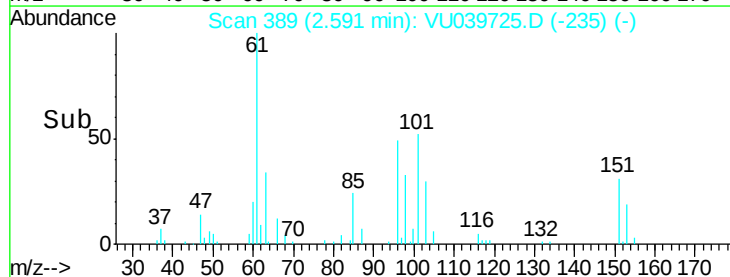
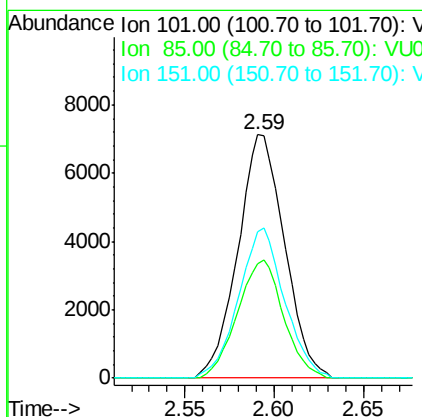
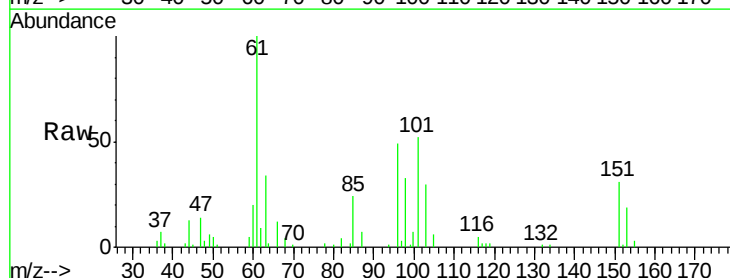
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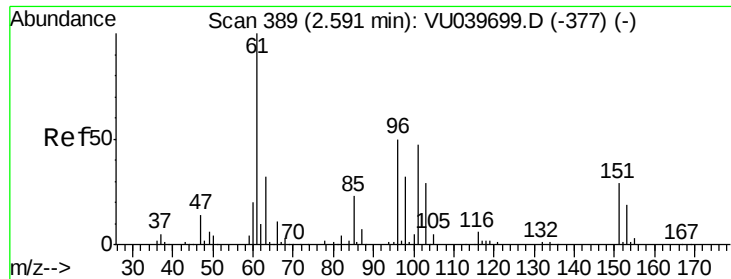


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.134 ug/l
RT: 2.59 min Scan# 389
Delta R.T. -0.00 min
Lab File: VU039725.D
Acq: 30 Jul 2020 17:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
101	101	100	12970		
85	85	47.5	39.9	59.9	
151	151	60.6	51.0	76.4	





#9

1,1-Dichloroethene

Concen: 1.968 ug/l

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039725.D

Acq: 30 Jul 2020 17:29

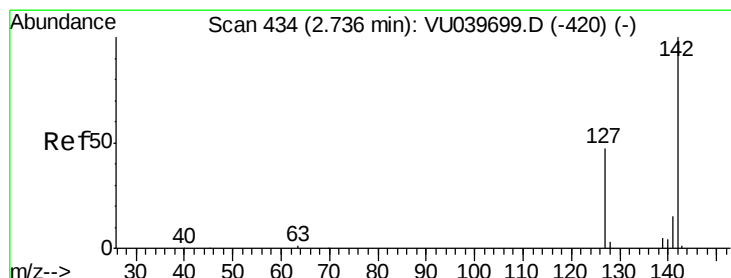
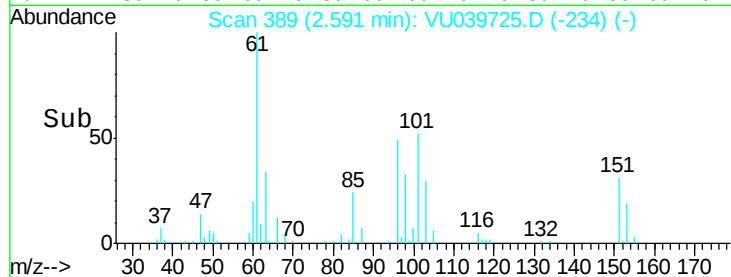
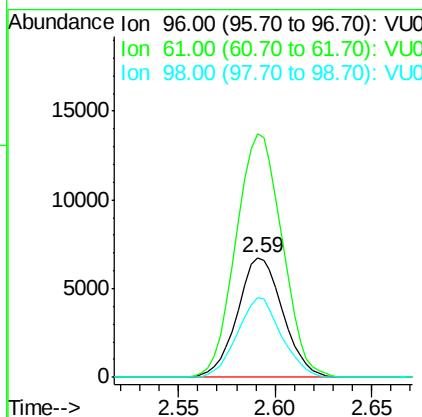
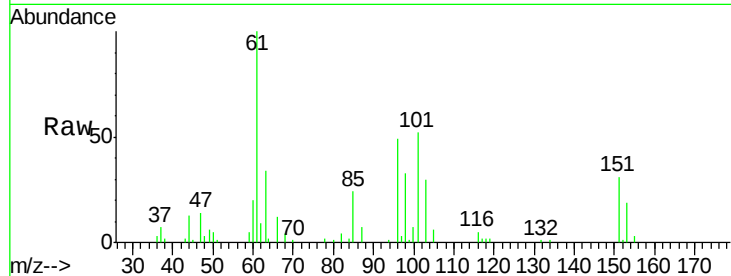
Tot Ion:	96	Resp:	11005
Ion	Ratio	Lower	Upper
96	100		
61	202.9	0.0	604.5
98	66.1	0.0	127.2

Instrument :
MSVOA_U
ClientSampleId :
VU0730WBS01

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#10

Iodomethane

Concen: 2.500 ug/l

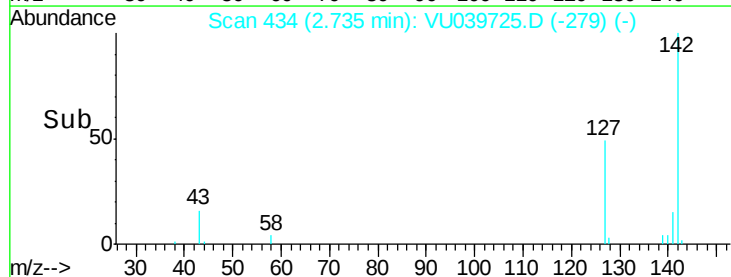
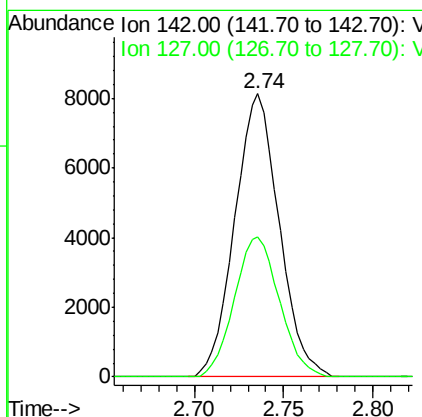
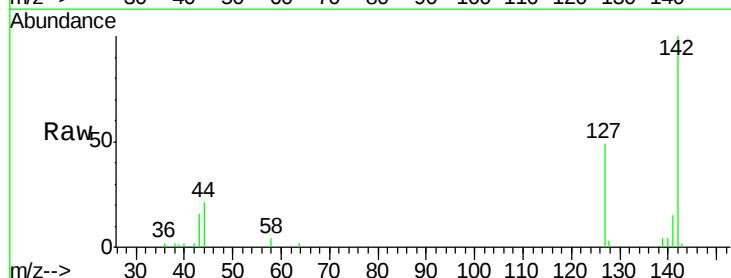
RT: 2.74 min Scan# 434

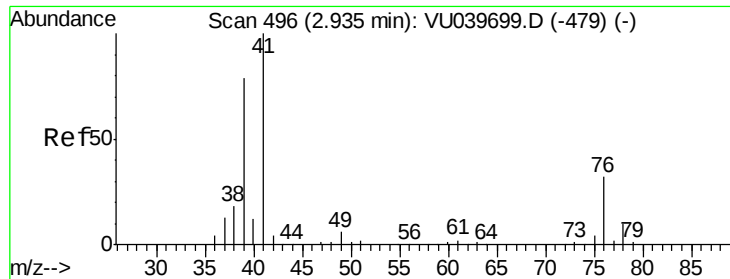
Delta R.T. -0.00 min

Lab File: VU039725.D

Acq: 30 Jul 2020 17:29

Tgt Ion:	142	Resp:	14104
Ion	Ratio	Lower	Upper
142	100		
127	50.3	38.4	57.6





#11
Allvl Chloride
Concen: 2.070 ug/l
RT: 2.93 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU039725.D
Acq: 30 Jul 2020 17:29

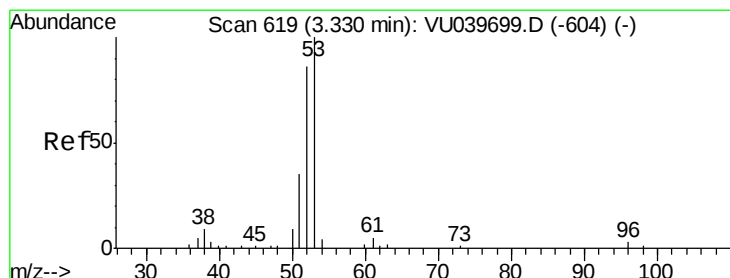
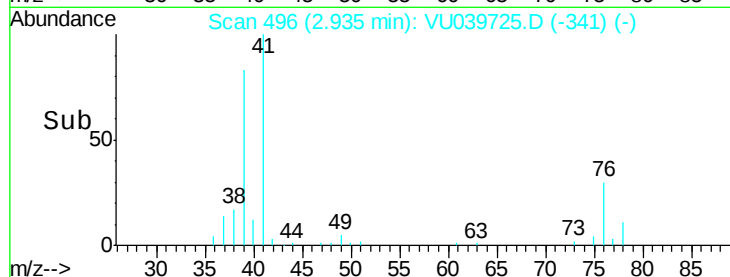
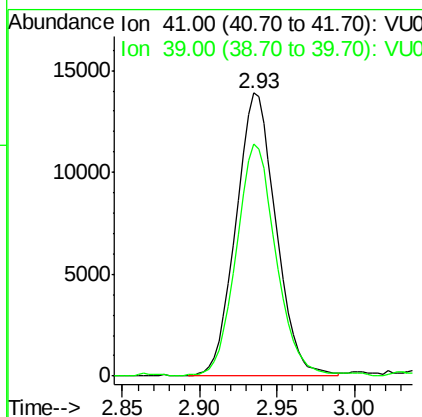
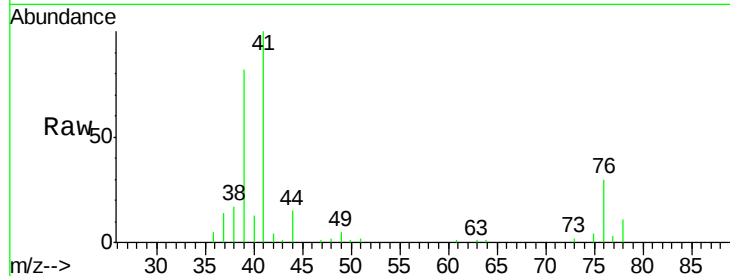
Instrument :
MSVOA_U
ClientSampleId :
VU0730WBS01

Tot Ion	41.00	Resp	24970
Ion Ratio	100	Lower	Upper
39	81.5	64.2	96.2

Manual Integrations
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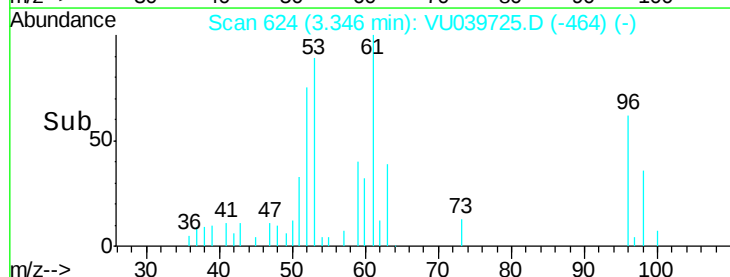
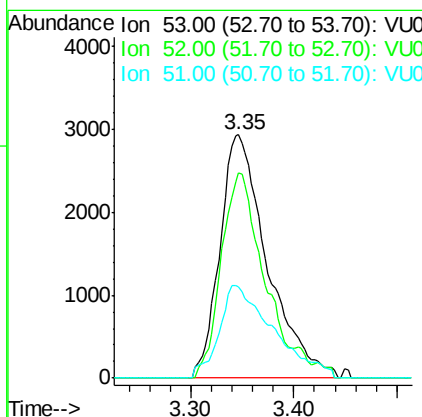
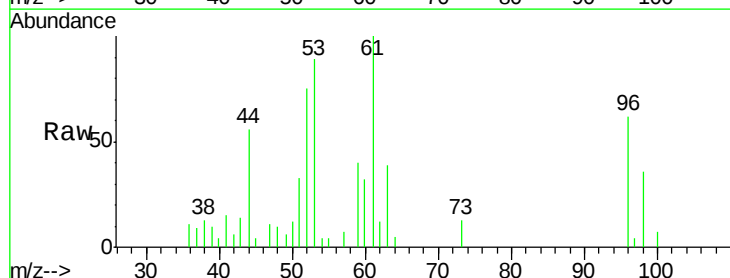
MMDadoda

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#12
Acrylonitrile
Concen: 4.784 ug/l
RT: 3.35 min Scan# 624
Delta R.T. 0.02 min
Lab File: VU039725.D
Acq: 30 Jul 2020 17:29

Tgt Ion	53.00	Resp	9392
Ion Ratio	100	Lower	Upper
52	79.0	69.1	103.7
51	43.5	29.4	44.2





#13

Acetone

Concen: 12.347 ug/l

RT: 2.66 min Scan# 412

Delta R.T. 0.03 min

Lab File: VU039725.D

Acq: 30 Jul 2020 17:29

Tot Ion: 43 Resp: 22808

Ion Ratio Lower Upper

43 100

58 24.7 21.8 32.6

Instrument :

MSVOA_U

ClientSampleId :

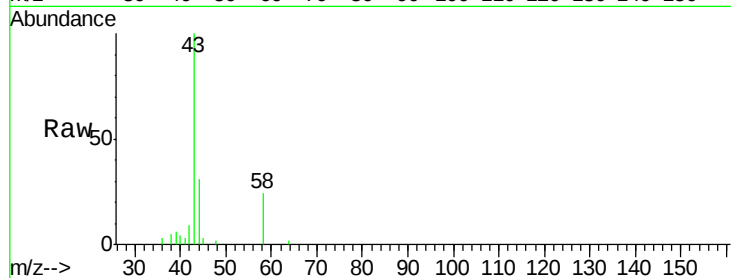
VU0730WBS01

Manual Integrations

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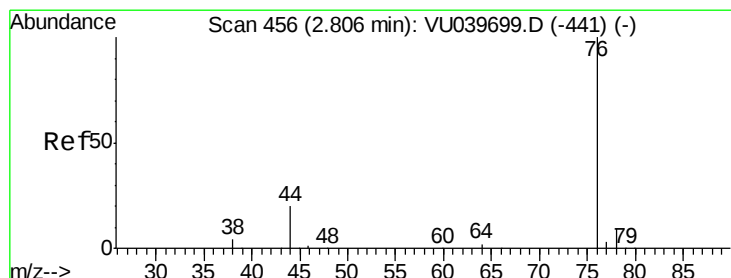
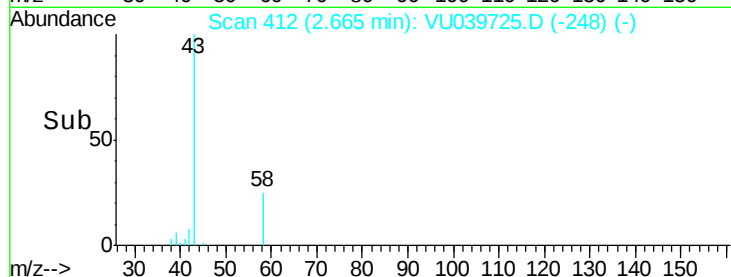
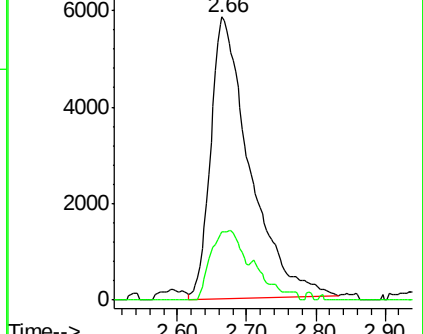
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Abundance Ion 43.00 (42.70 to 43.70): VU039699.D (-376) (-)

Ion 58.00 (57.70 to 58.70): VU039699.D (-376) (-)



#14

Carbon Disulfide

Concen: 1.981 ug/l

RT: 2.80 min Scan# 455

Delta R.T. -0.00 min

Lab File: VU039725.D

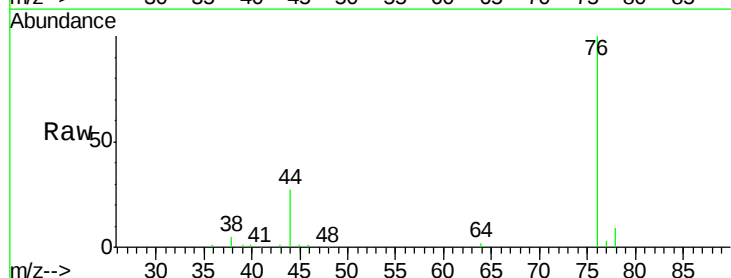
Acq: 30 Jul 2020 17:29

Tgt Ion: 76 Resp: 40625

Ion Ratio Lower Upper

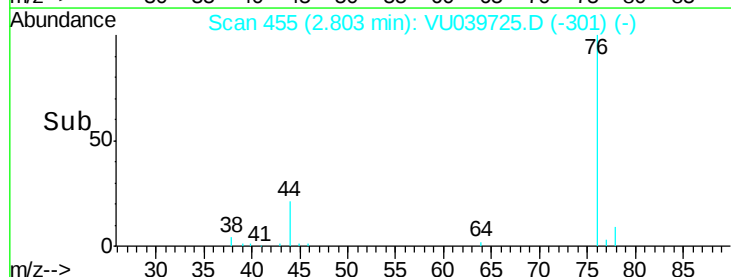
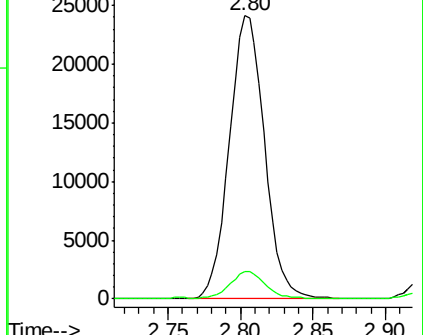
76 100

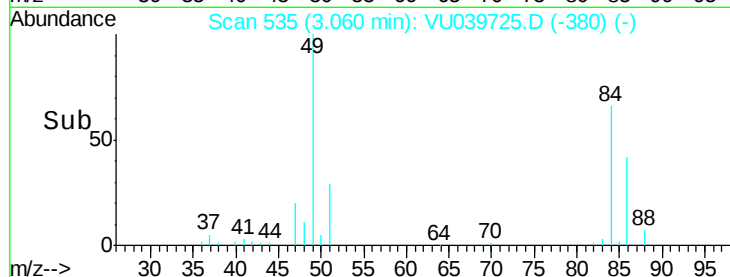
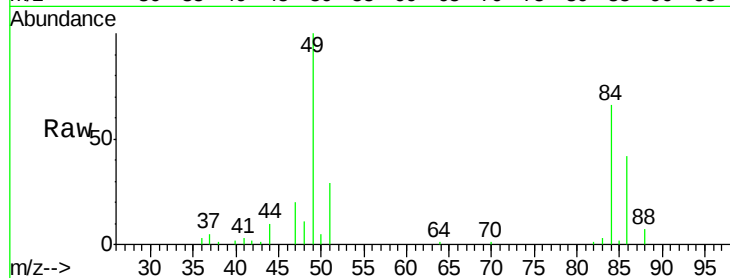
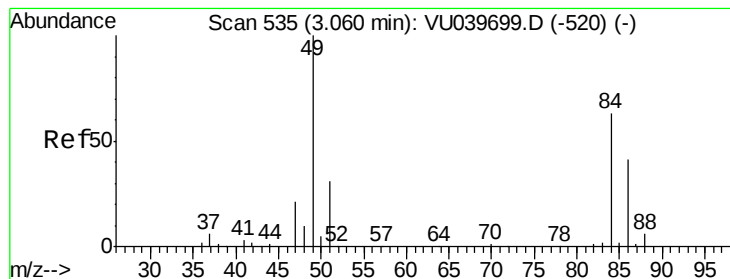
78 9.5 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VU039699.D (-441) (-)

Ion 78.00 (77.70 to 78.70): VU039699.D (-441) (-)





#15

Methylene Chloride

Concen: 2.992 ug/l

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU039725.D

Acq: 30 Jul 2020 17:29

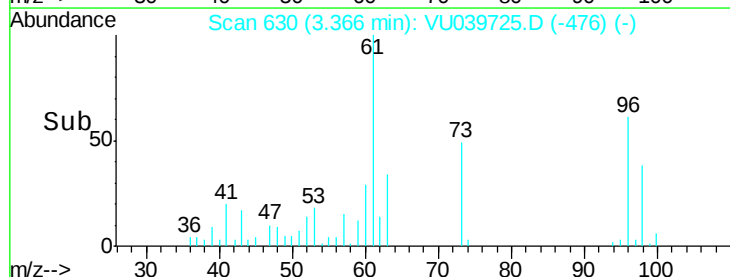
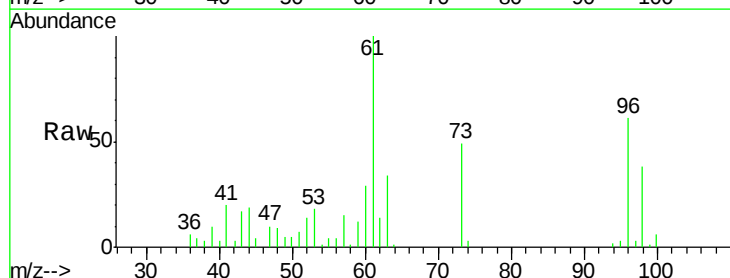
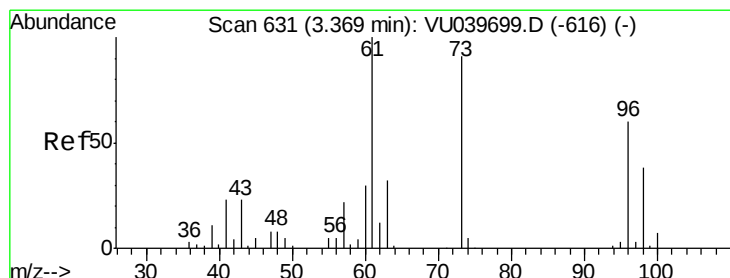
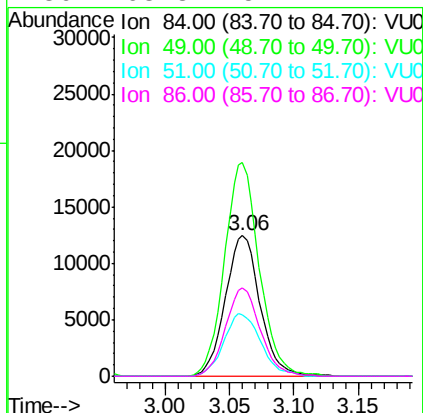
Tot Ion:	84	Resp:	23326
Ion	Ratio	Lower	Upper
84	100		
49	151.9	126.8	190.2
51	43.8	0.0	97.2
86	63.3	51.4	77.2

Instrument :
MSVOA_U
ClientSampleId :
VU0730WBS01

Manual Integrations
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#16

trans-1,2-Dichloroethene

Concen: 2.091 ug/l

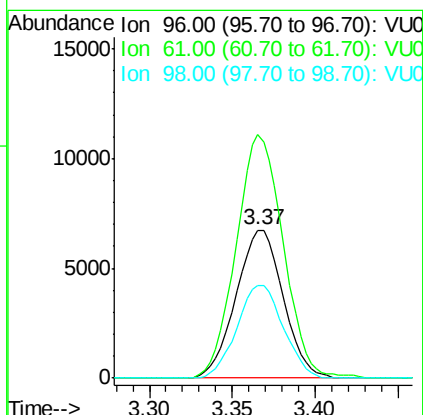
RT: 3.37 min Scan# 630

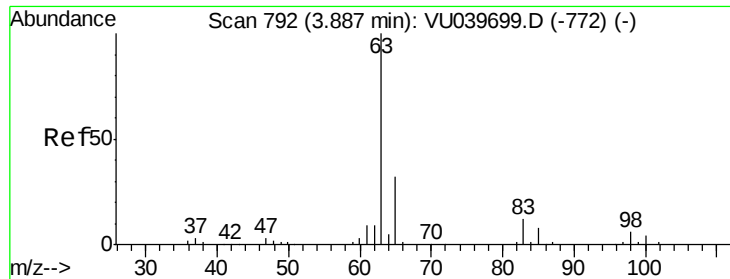
Delta R.T. -0.00 min

Lab File: VU039725.D

Acq: 30 Jul 2020 17:29

Tgt Ion:	96	Resp:	13297
Ion	Ratio	Lower	Upper
96	100		
61	164.8	132.6	199.0
98	62.3	50.2	75.2





#17
 1,1-Dichloroethane
 Concen: 2.060 ug/l
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU039725.D
 Acq: 30 Jul 2020 17:29

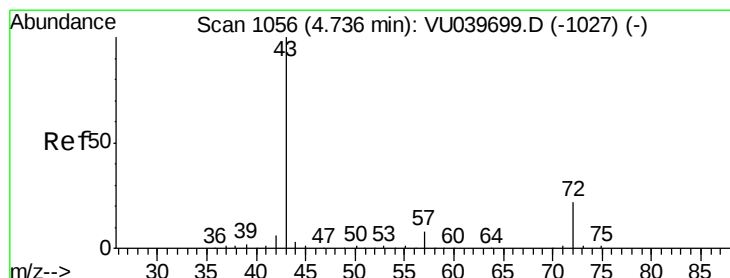
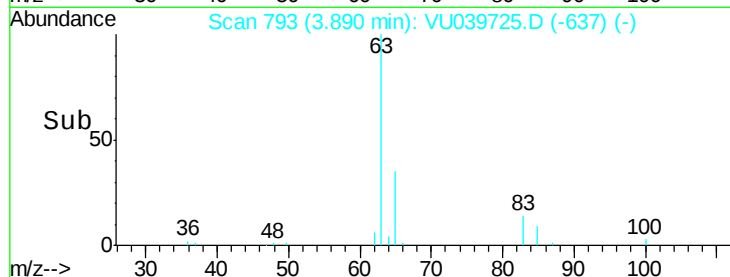
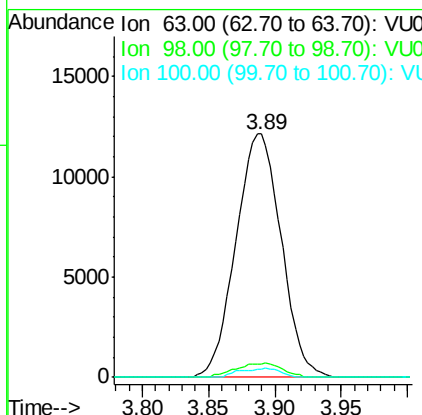
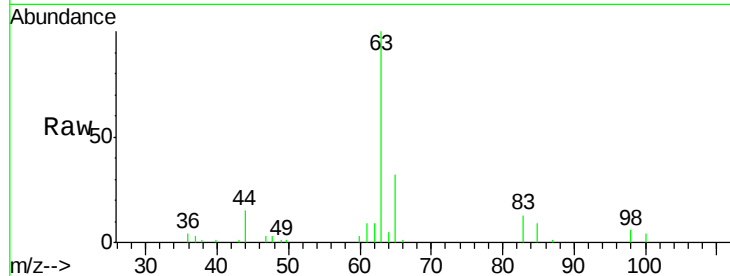
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0730WBS01

Tot Ion:	63	Resp:	28767
Ion Ratio	Lower	Upper	
63	100		
98	5.6	2.9	8.7
100	3.6	2.0	6.0

Manual Integrations
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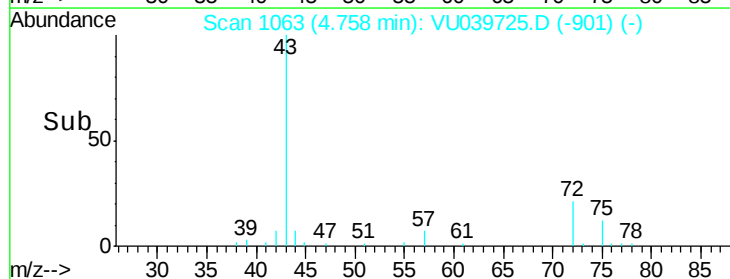
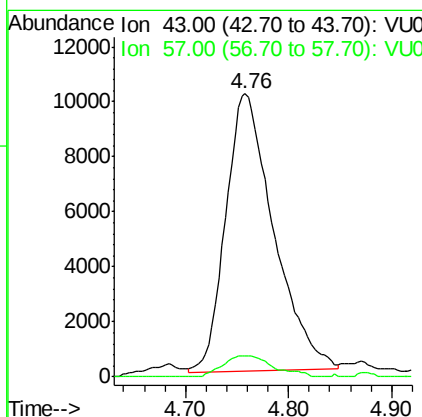
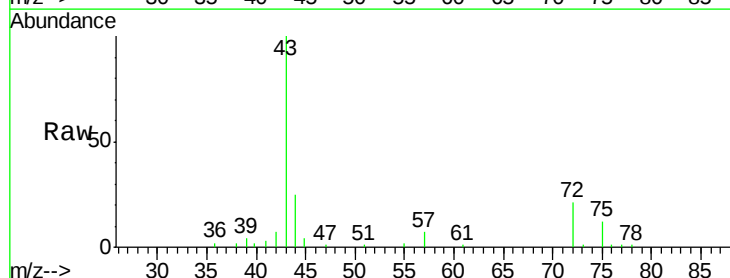
MMDadoda

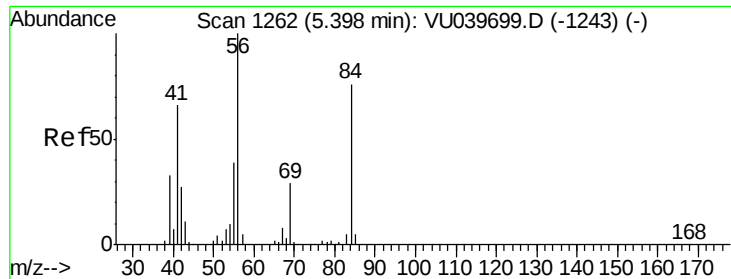
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#18
 2-Butanone
 Concen: 10.545 ug/l
 RT: 4.76 min Scan# 1063
 Delta R.T. 0.02 min
 Lab File: VU039725.D
 Acq: 30 Jul 2020 17:29

Tgt Ion:	43	Resp:	32757
Ion Ratio	Lower	Upper	
43	100		
57	7.4	0.0	15.2





#19
Cyclohexane
Concen: 2.063 ug/l m
RT: 5.40 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VU039725.D
Acq: 30 Jul 2020 17:29

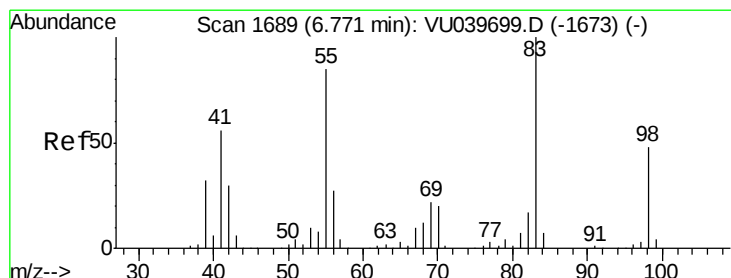
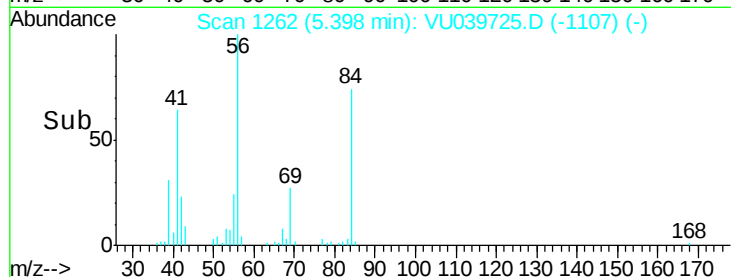
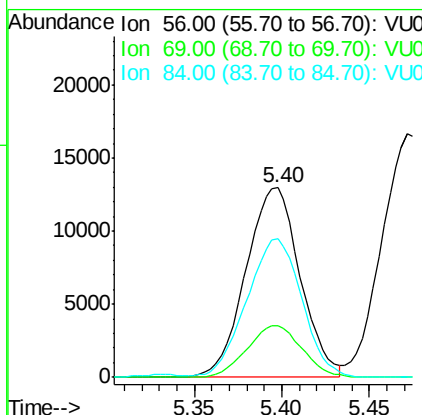
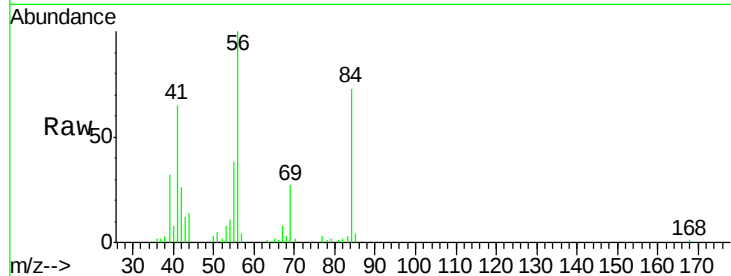
Instrument :
MSVOA_U
ClientSampled :
VU0730WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.6	22.8	34.2
84	73.1	59.9	89.9

Manual Integrations
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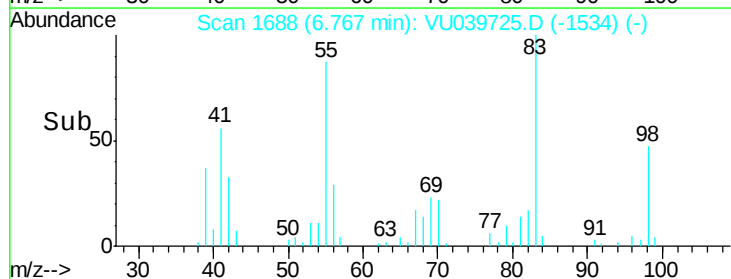
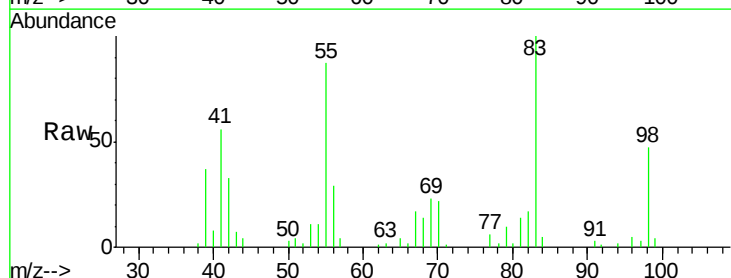
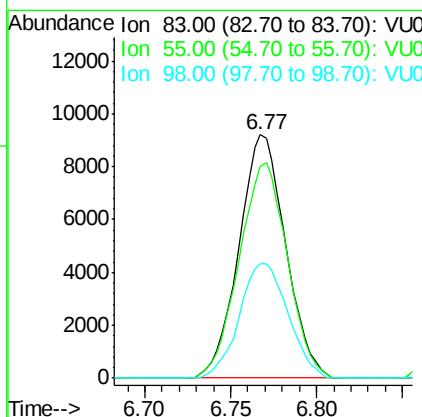
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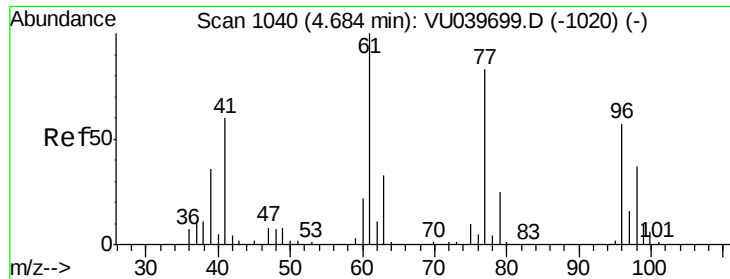
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#20
Methylcyclohexane
Concen: 1.734 ug/l
RT: 6.77 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VU039725.D
Acq: 30 Jul 2020 17:29

Tgt Ion	Ratio	Lower	Upper
83	100		
55	91.0	67.6	101.4
98	49.1	37.3	55.9





#21
 2,2-Dichloropropane
 Concen: 1.962 ug/l
 RT: 4.68 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: VU039725.D
 Acq: 30 Jul 2020 17:29

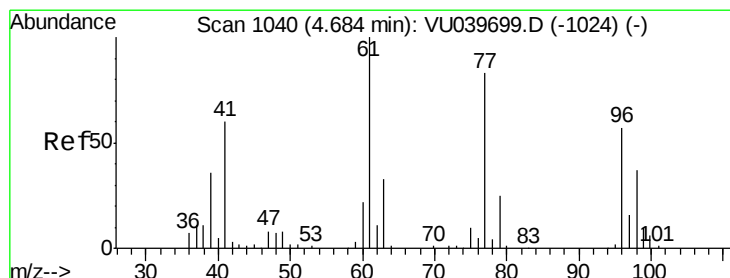
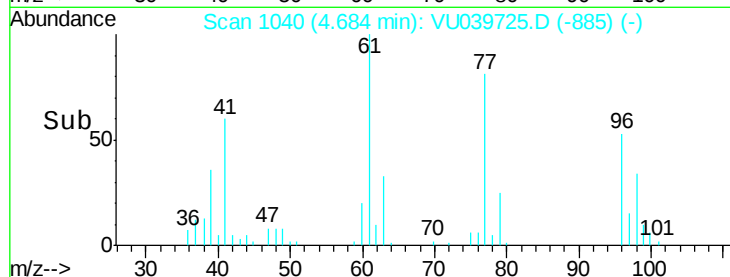
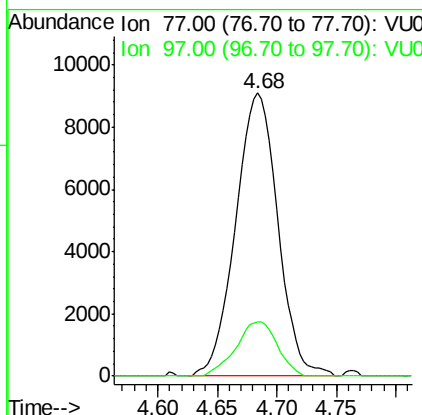
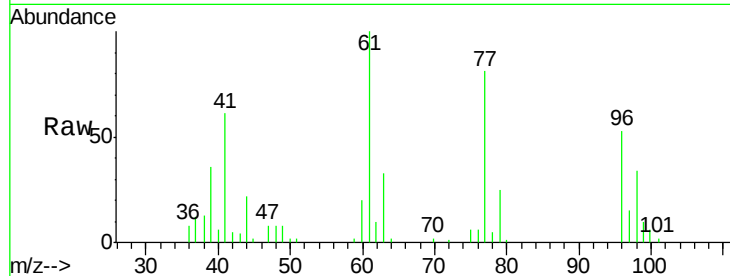
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0730WBS01

Tot Ion: 77 Resp: 22349
 Ion Ratio Lower Upper
 77 100
 97 18.9 15.2 22.8

Manual Integrations
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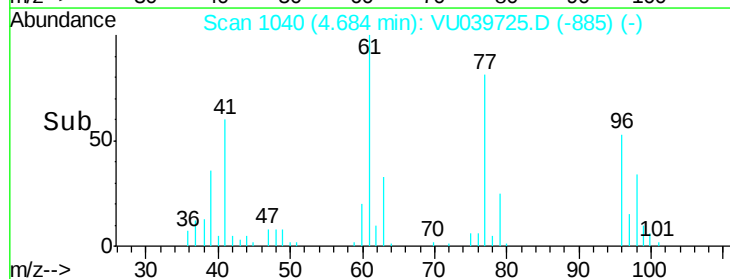
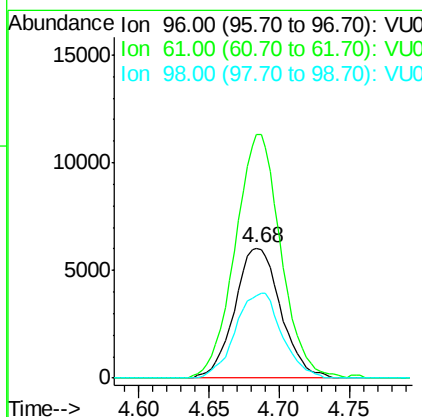
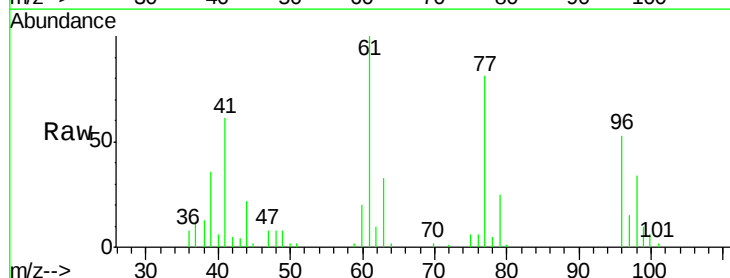
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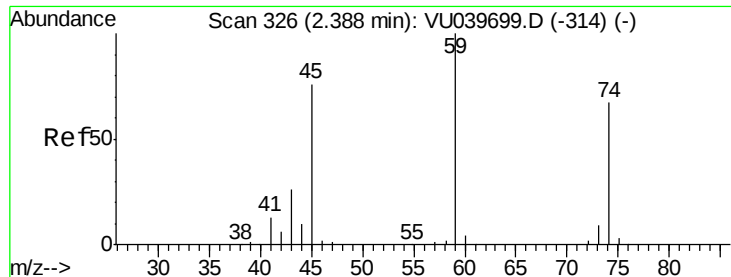
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#22
 cis-1,2-Dichloroethene
 Concen: 2.008 ug/l
 RT: 4.68 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: VU039725.D
 Acq: 30 Jul 2020 17:29

Tgt Ion: 96 Resp: 13766
 Ion Ratio Lower Upper
 96 100
 61 185.8 0.0 451.3
 98 66.2 32.6 98.0





#23
Diethyl Ether
Concen: 2.224 ug/l
RT: 2.39 min Scan# 326
Delta R.T. -0.00 min
Lab File: VU039725.D
Acq: 30 Jul 2020 17:29

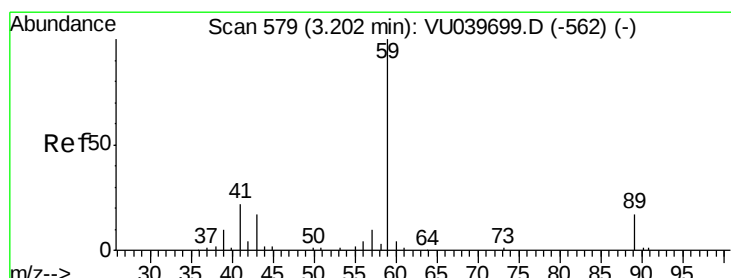
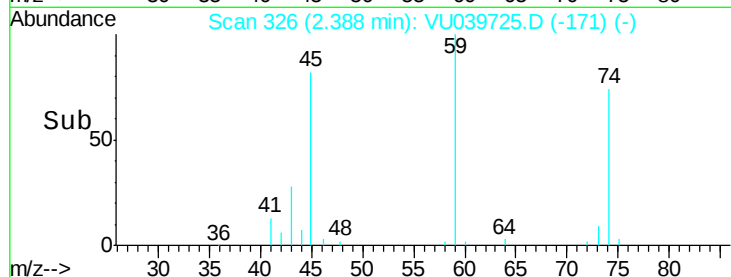
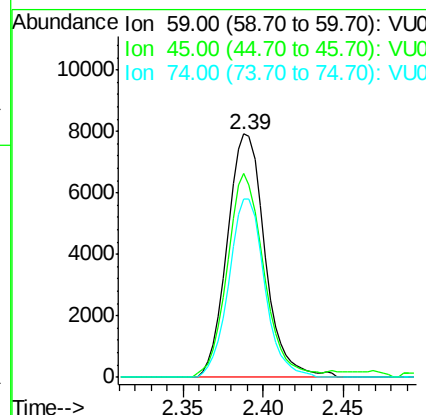
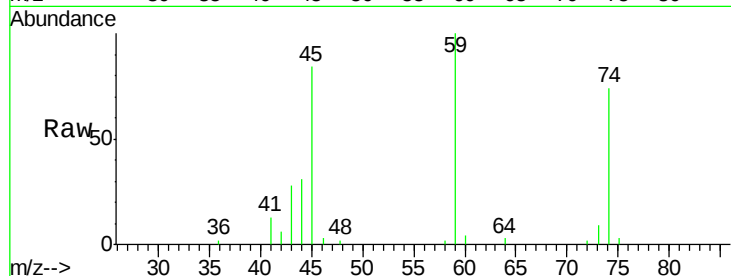
Instrument :
MSVOA_U
ClientSampleId :
VU0730WBS01

Tot Ion:	59	Resp:	12720
Ion	Ratio	Lower	Upper
59	100		
45	81.6	61.5	92.3
74	69.3	54.3	81.5

Manual Integrations
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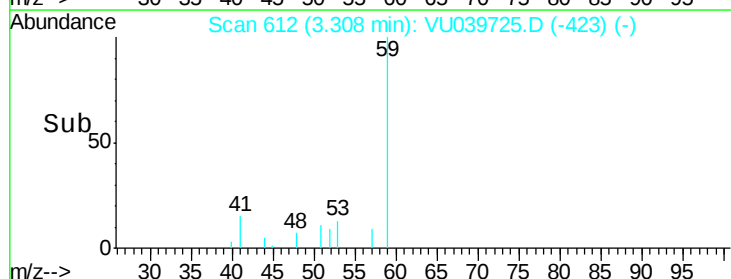
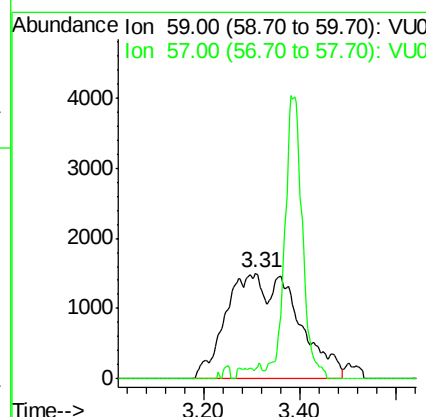
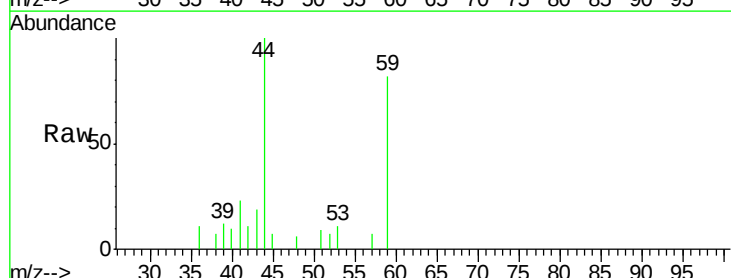
MMDadoda

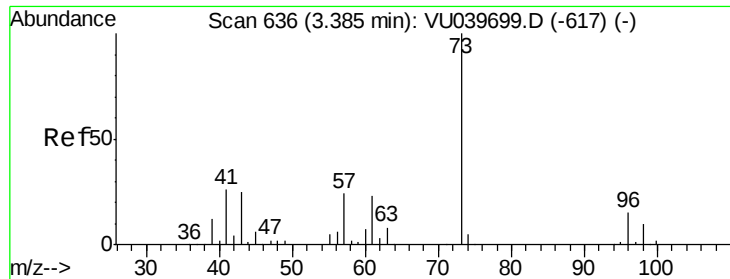
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#24
tert-Butyl Alcohol
Concen: 15.614 ug/l m
RT: 3.31 min Scan# 612
Delta R.T. 0.11 min
Lab File: VU039725.D
Acq: 30 Jul 2020 17:29

Tgt Ion:	59	Resp:	15418
Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.6#





#25
Methvl tert-Butvl Ether
Concen: 2.011 ug/l
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU039725.D
Acq: 30 Jul 2020 17:29

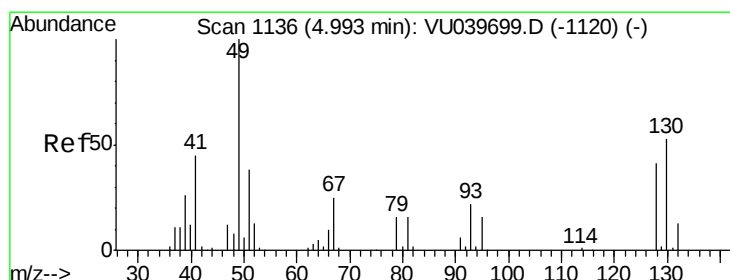
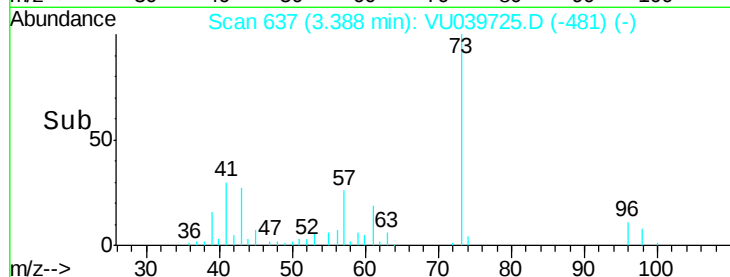
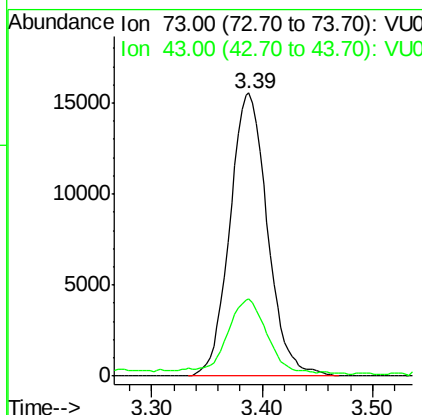
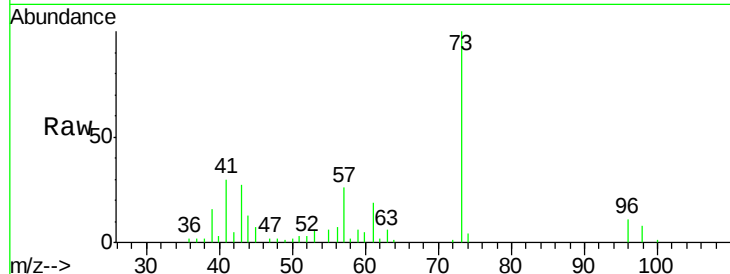
Instrument :
MSVOA_U
ClientSampleId :
VU0730WBS01

Tot Ion: 73 Resp: 36703
Ion Ratio Lower Upper
73 100
43 26.2 20.1 30.1

Manual Integrations
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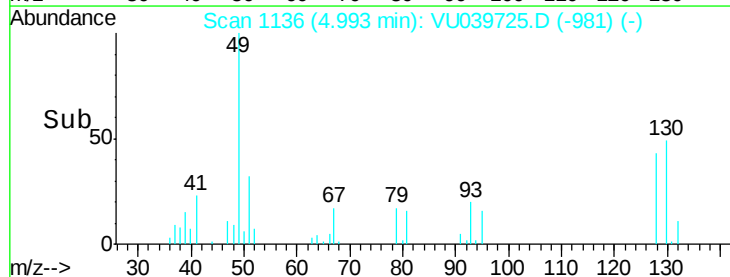
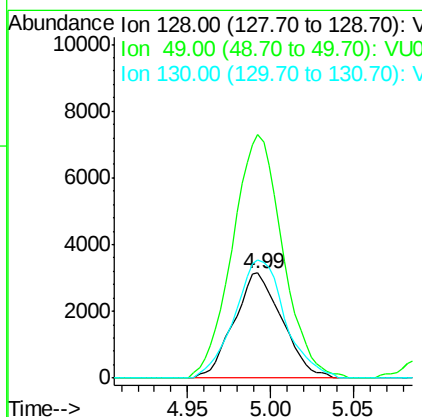
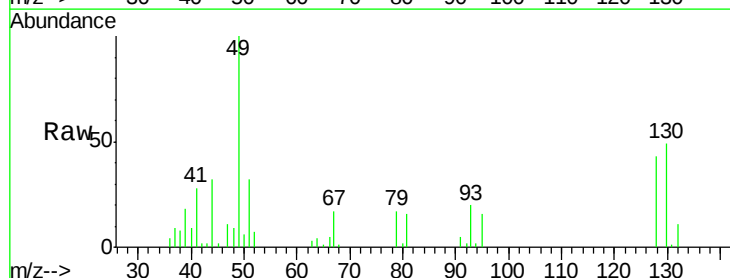
MMDadoda

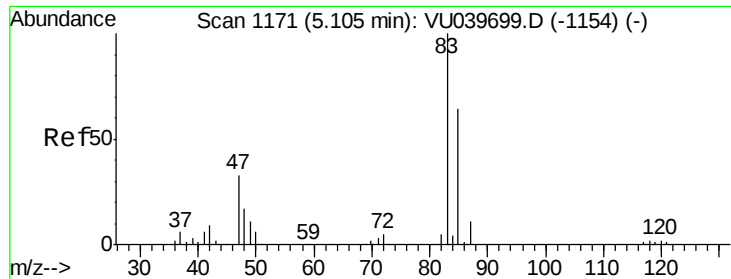
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#26
Bromochloromethane
Concen: 2.263 ug/l
RT: 4.99 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VU039725.D
Acq: 30 Jul 2020 17:29

Tgt Ion: 128 Resp: 6347
Ion Ratio Lower Upper
128 100
49 242.0 0.0 503.8
130 118.5 102.7 154.1





#27
Chloroform
Concen: 2.077 ug/l
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU039725.D
Acq: 30 Jul 2020 17:29

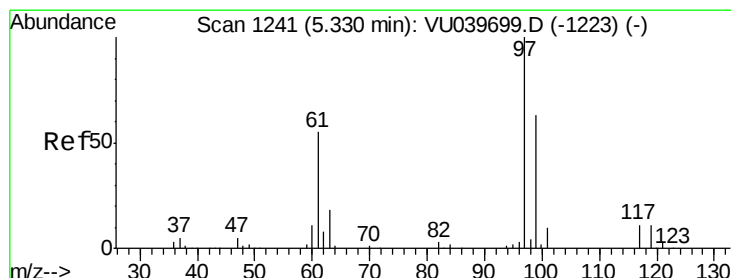
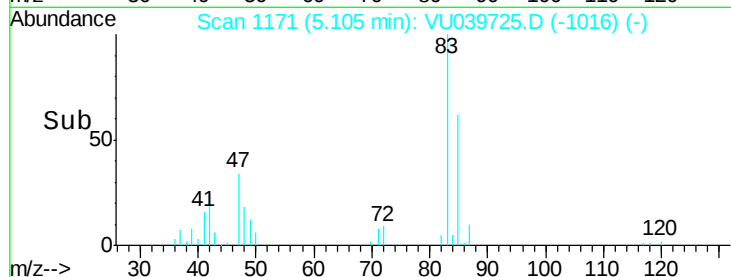
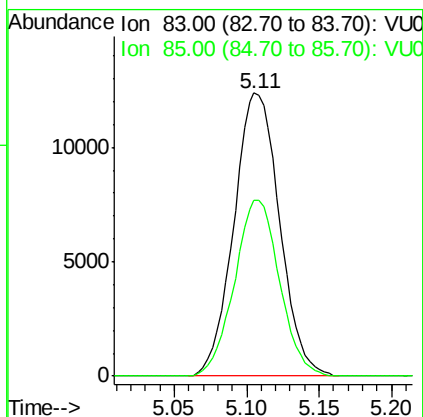
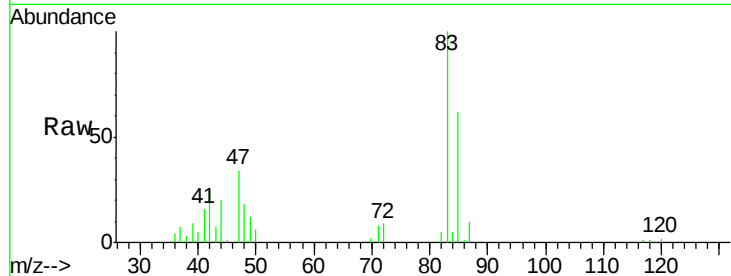
Instrument :
MSVOA_U
ClientSampleId :
VU0730WBS01

Tot Ion	83	Resp	27143
Ion Ratio	100	Lower	Upper
85	62.0	0.0	128.8

Manual Integrations
APPROVED

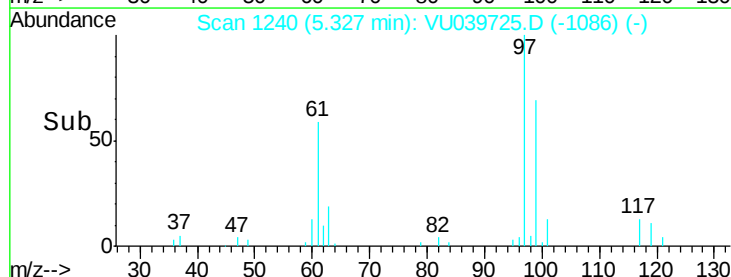
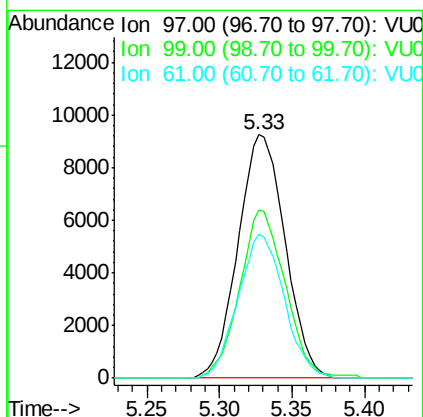
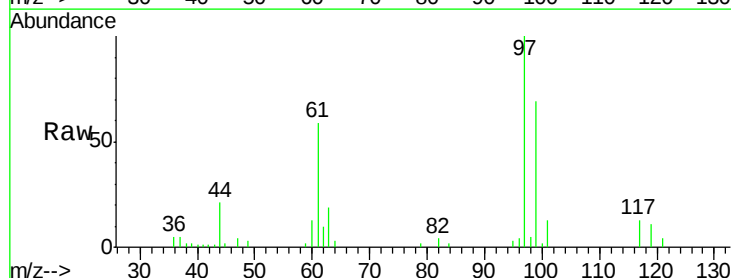
MMDadoda

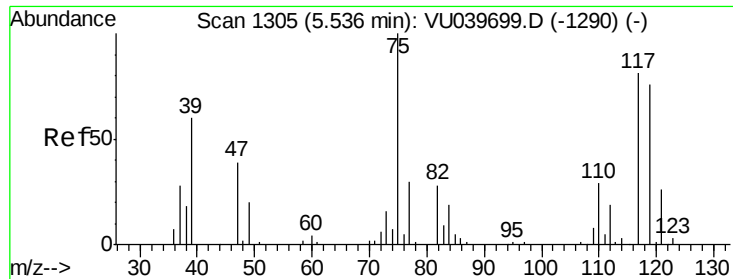
8/12/2020 6:35:17 PM



#28
1,1,1-Trichloroethane
Concen: 1.974 ug/l
RT: 5.33 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VU039725.D
Acq: 30 Jul 2020 17:29

Tgt Ion	97	Resp	20872
Ion Ratio	100	Lower	Upper
99	66.5	32.2	96.6
61	58.0	28.3	85.0





#29
 1,1-Dichloropropene
 Concen: 2.038 ug/l
 RT: 5.54 min Scan# 1305
 Delta R.T. -0.00 min
 Lab File: VU039725.D
 Acq: 30 Jul 2020 17:29

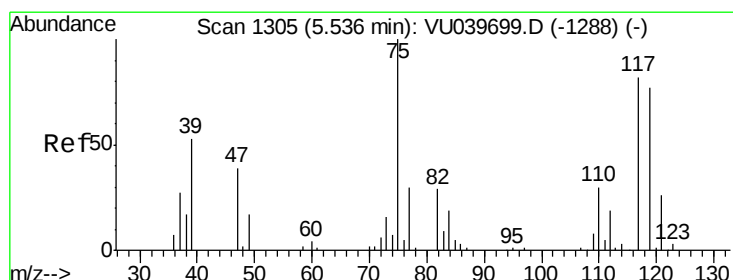
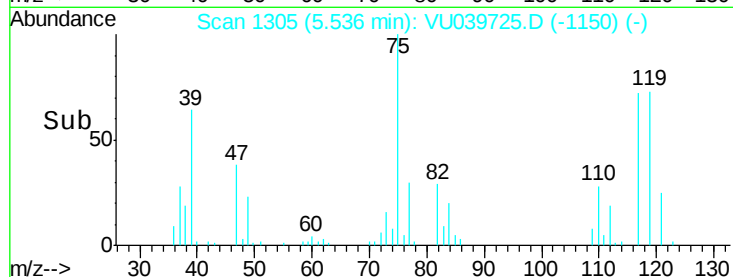
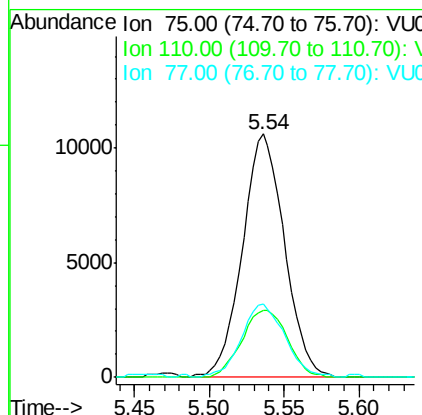
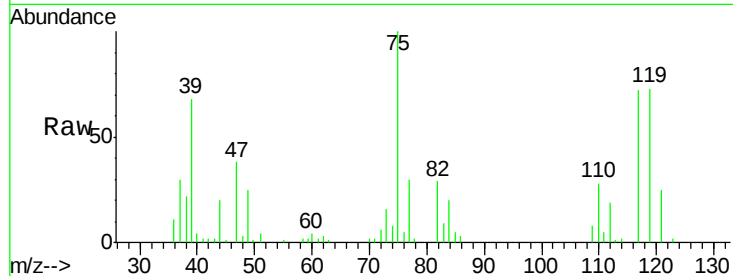
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0730WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
110	29.9	14.6	44.0
77	31.3	25.0	37.4

Manual Integrations
 APPROVED

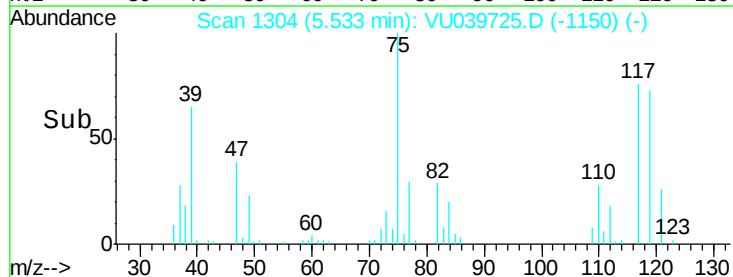
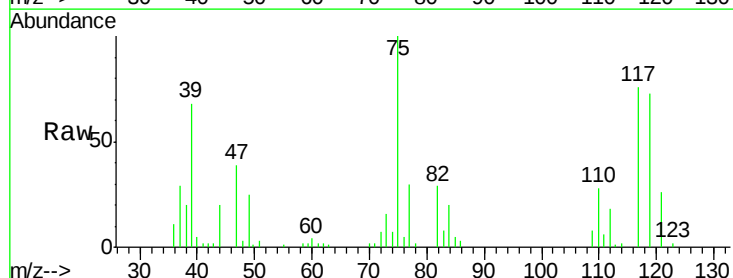
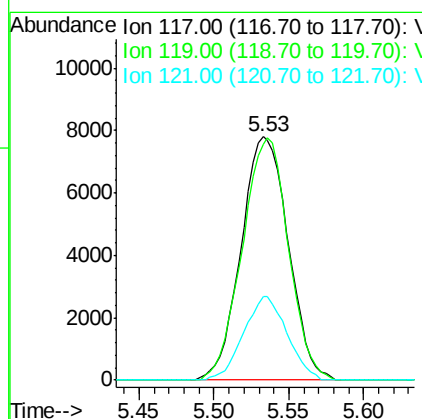
MMDadoda

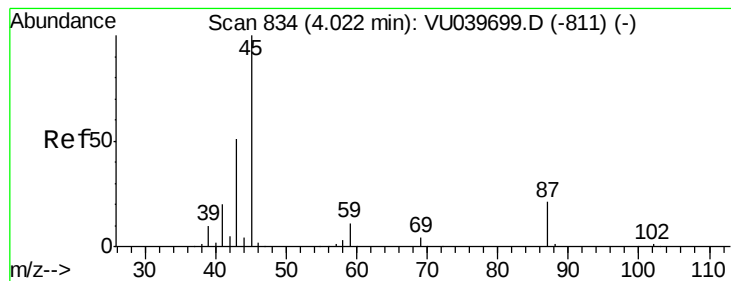
8/12/2020 6:35:17 PM



#30
 Carbon Tetrachloride
 Concen: 1.977 ug/l
 RT: 5.53 min Scan# 1304
 Delta R.T. -0.00 min
 Lab File: VU039725.D
 Acq: 30 Jul 2020 17:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	75.2	112.8
121	34.3	25.4	38.2





#31

Isopropyl Ether

Concen: 2.025 ug/l

RT: 4.02 min Scan# 834

Delta R.T. -0.00 min

Lab File: VU039725.D

Acq: 30 Jul 2020 17:29

Instrument :

MSVOA_U

ClientSampleId :

VU0730WBS01

Tot Ion: 45 Resp: 51562

Ion Ratio Lower Upper

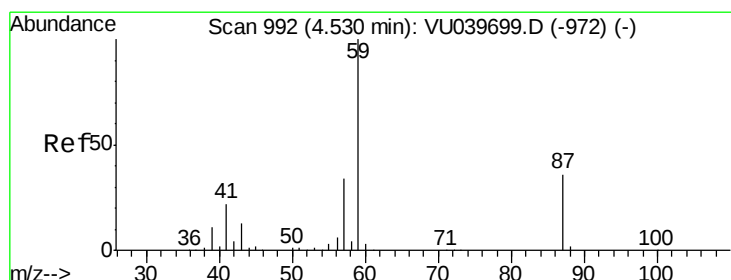
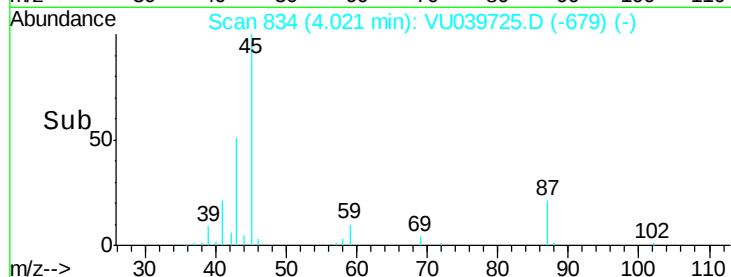
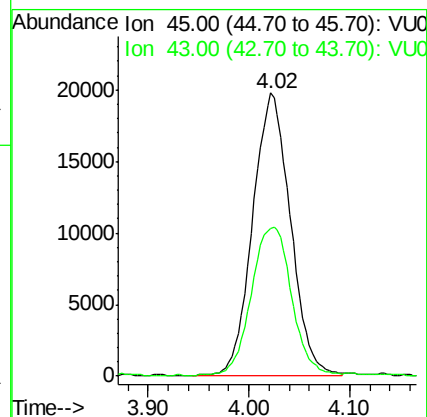
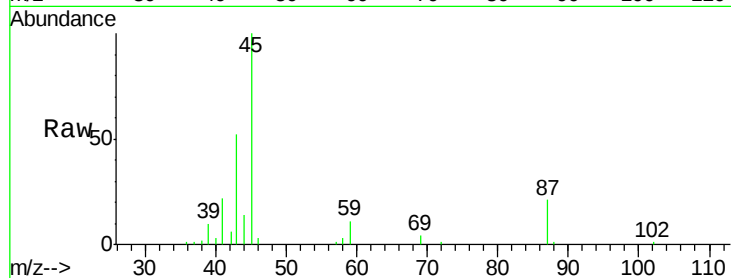
45 100

43 54.5 26.5 79.4

Manual Integrations
APPROVED

MMDadoda

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#32

Ethyl-t-butyl ether

Concen: 2.030 ug/l

RT: 4.53 min Scan# 993

Delta R.T. 0.00 min

Lab File: VU039725.D

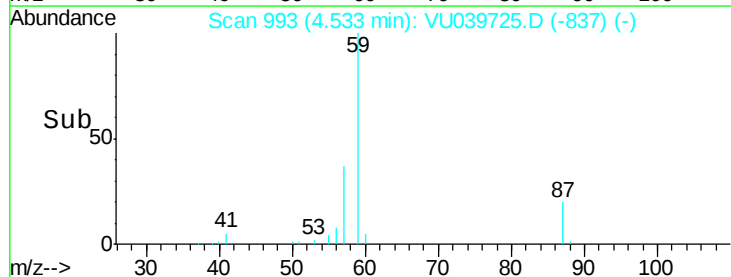
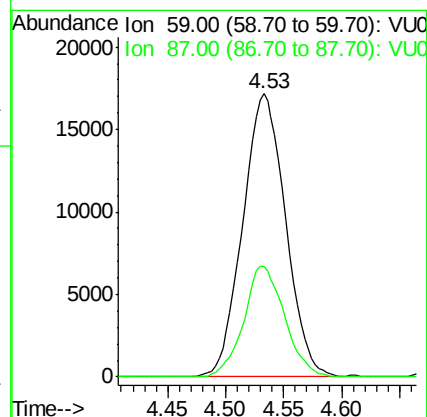
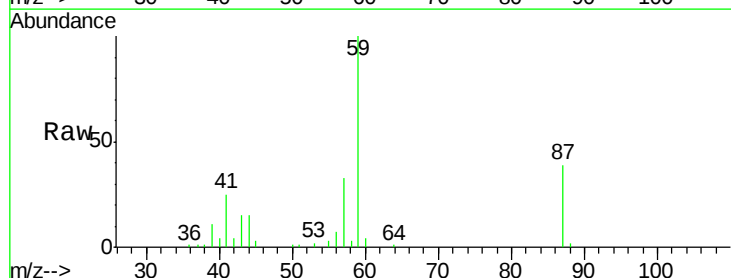
Acq: 30 Jul 2020 17:29

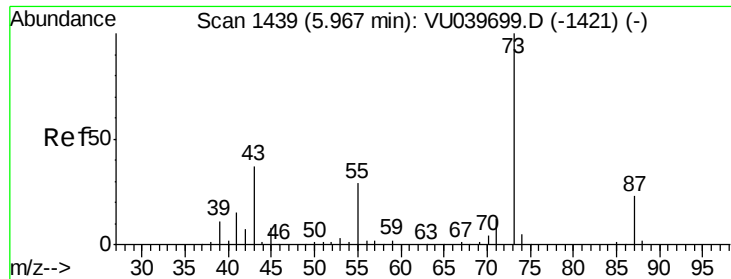
Tgt Ion: 59 Resp: 43996

Ion Ratio Lower Upper

59 100

87 37.2 29.4 44.0





#33
Tert-Amvl methvl ether
Concen: 1.853 ug/l
RT: 5.97 min Scan# 1439
Delta R.T. -0.00 min
Lab File: VU039725.D
Acq: 30 Jul 2020 17:29

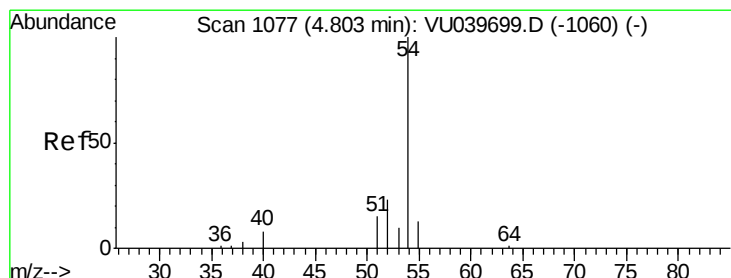
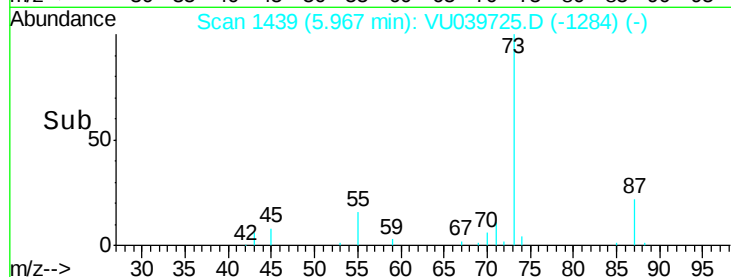
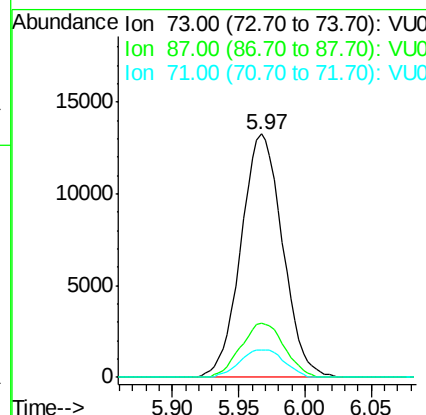
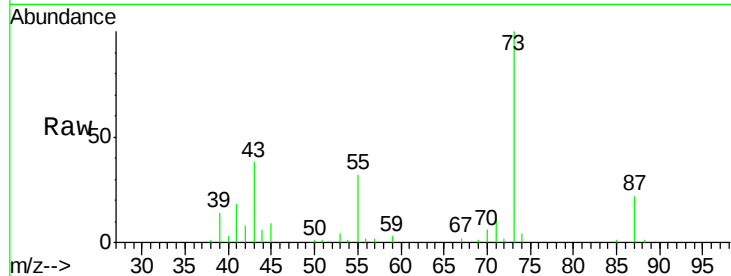
Instrument :
MSVOA_U
ClientSampleId :
VU0730WBS01

Tot Ion:	73	Resp:	28960
Ion	Ratio	Lower	Upper
73	100		
87	23.3	18.7	28.1
71	12.0	9.1	13.7

Manual Integrations
APPROVED

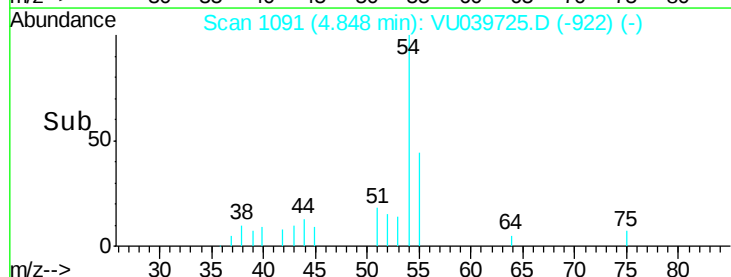
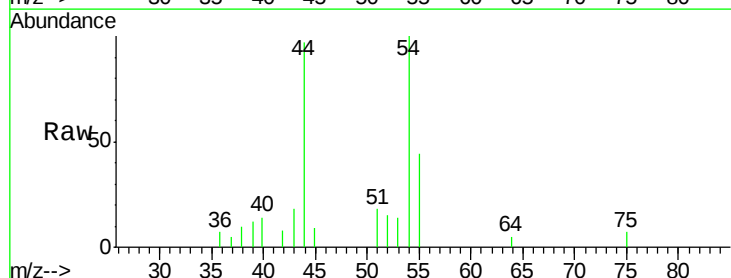
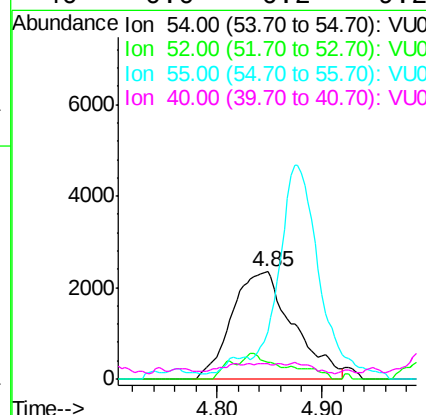
MMDadoda

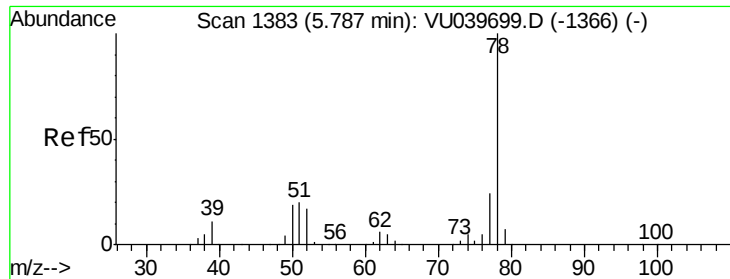
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#34
Propionitrile
Concen: 12.347 ug/l
RT: 4.85 min Scan# 1091
Delta R.T. 0.04 min
Lab File: VU039725.D
Acq: 30 Jul 2020 17:29

Tgt Ion:	54	Resp:	9461
Ion	Ratio	Lower	Upper
54	100		
52	6.7	16.9	25.3#
55	6.4	12.9	19.3#
40	0.0	6.2	9.2#





#35

Benzene

Concen: 1.916 ug/l

RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VU039725.D

Acq: 30 Jul 2020 17:29

Instrument :

MSVOA_U

ClientSampleId :

VU0730WBS01

Tot Ion: 78 Resp: 48251

Ion Ratio Lower Upper

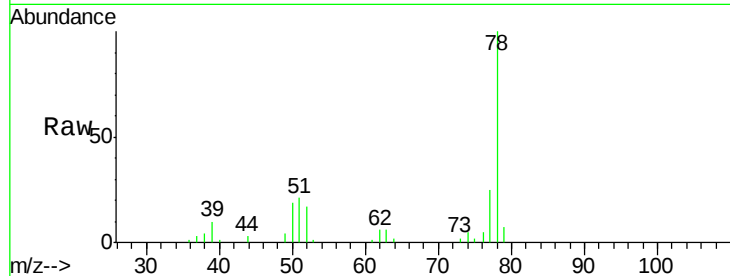
78 100

77 24.7 19.2 28.8

Manual Integrations
APPROVED

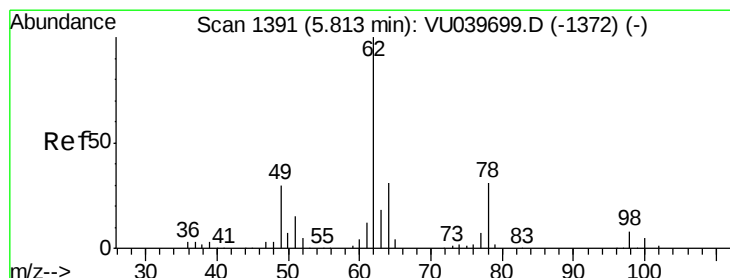
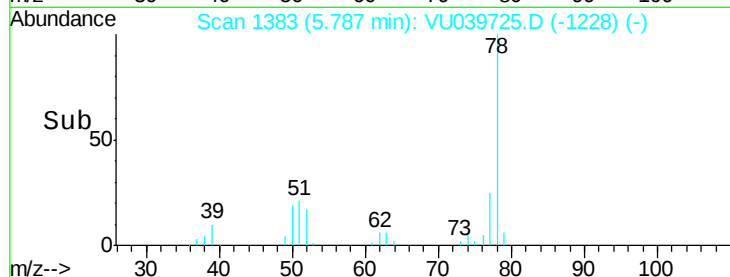
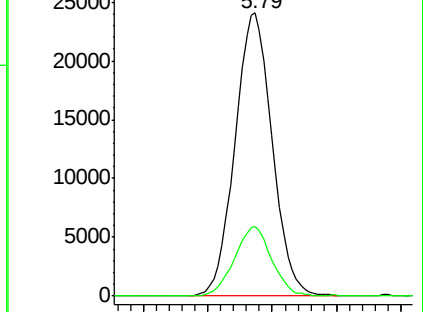
MMDadoda

8/12/2020 6:35:17 PM



Abundance Ion 78.10 (77.80 to 78.80): VU039699.D (-1366) (-)

Ion 77.00 (76.70 to 77.70): VU039699.D (-1366) (-)



#36

1,2-Dichloroethane

Concen: 1.966 ug/l

RT: 5.81 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VU039725.D

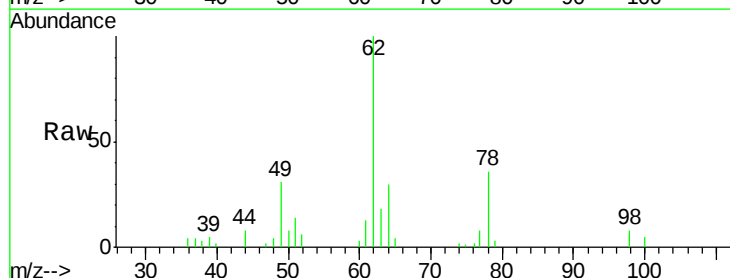
Acq: 30 Jul 2020 17:29

Tgt Ion: 62 Resp: 18564

Ion Ratio Lower Upper

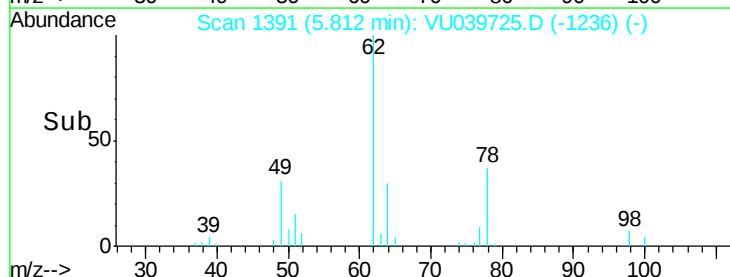
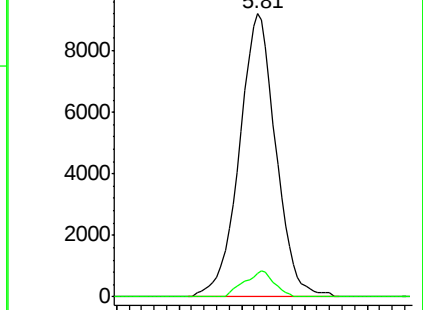
62 100

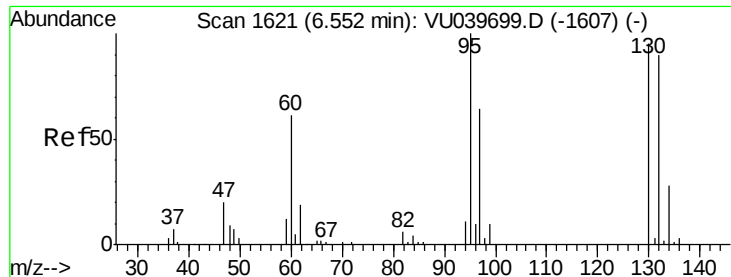
98 7.5 6.2 9.2



Abundance Ion 62.00 (61.70 to 62.70): VU039699.D (-1372) (-)

Ion 98.00 (97.70 to 98.70): VU039699.D (-1372) (-)





#37
 Trichloroethene
 Concen: 1.819 ug/l
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU039725.D
 Acq: 30 Jul 2020 17:29

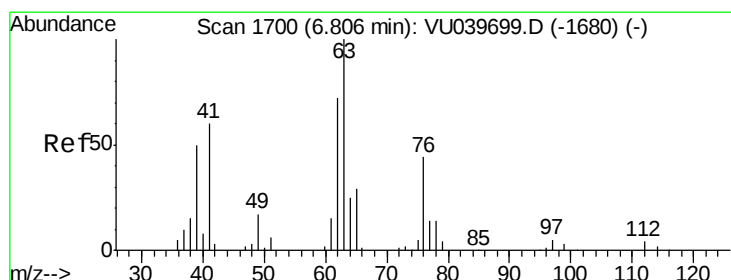
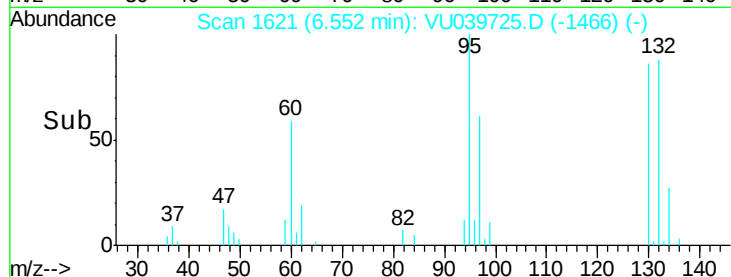
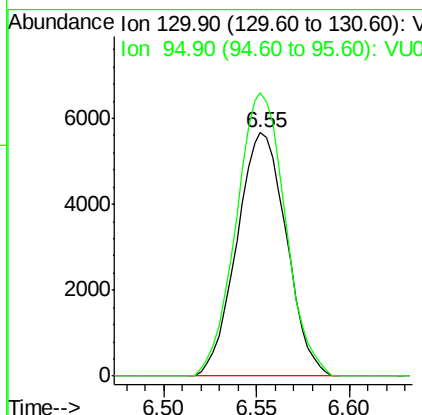
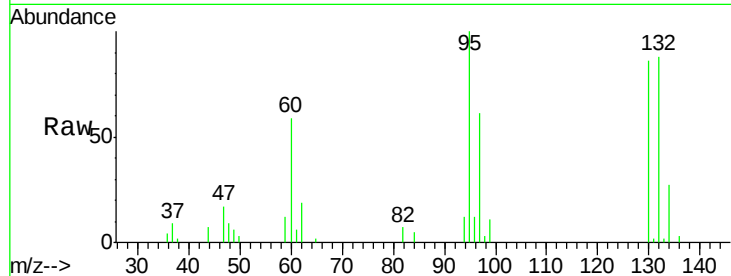
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0730WBS01

Tot Ion	Ratio	Resp	Lower	Upper
130	100	10485		
95	116.4	84.3	126.5	

Manual Integrations
 APPROVED

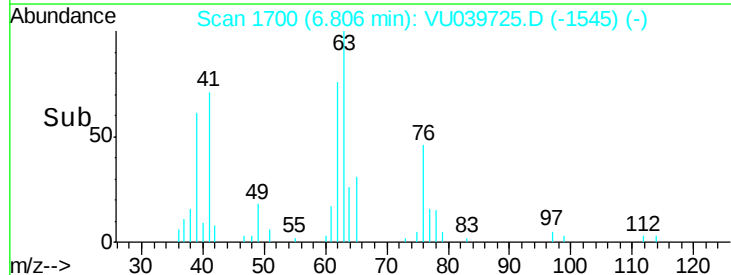
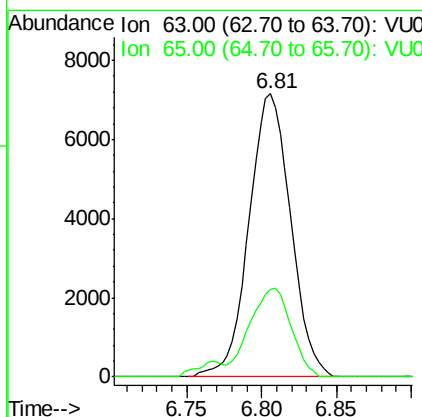
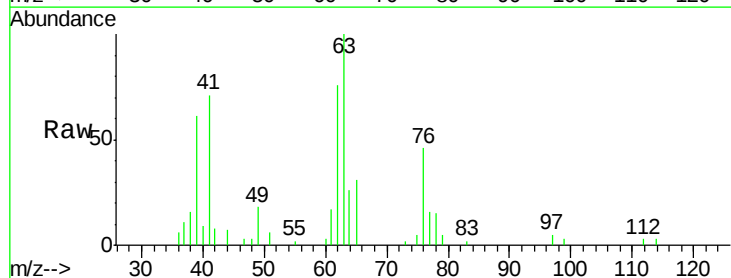
MMDadoda

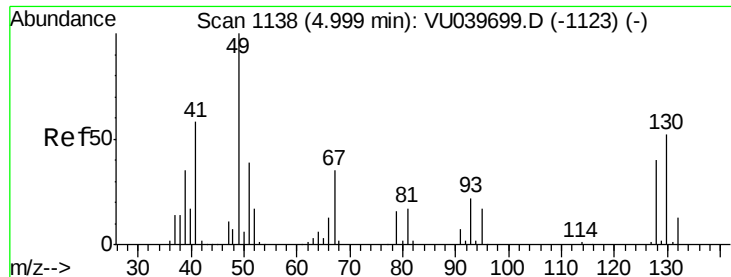
8/12/2020 6:35:17 PM



#38
 1,2-Dichloropropane
 Concen: 2.001 ug/l
 RT: 6.81 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VU039725.D
 Acq: 30 Jul 2020 17:29

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	13893		
65	31.0	23.8	35.6	





#39
Methacrylonitrile
Concen: 2.034 ug/l
RT: 5.01 min Scan# 1140
Delta R.T. 0.01 min
Lab File: VU039725.D
Acq: 30 Jul 2020 17:29

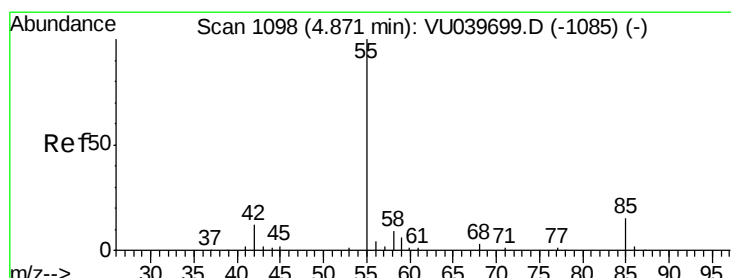
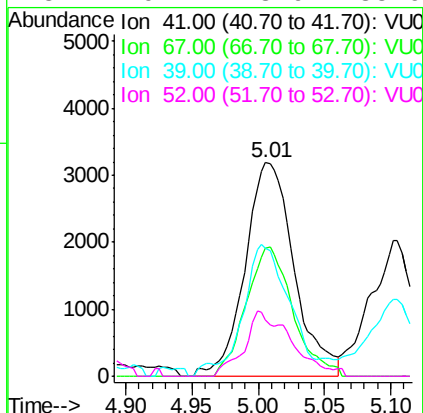
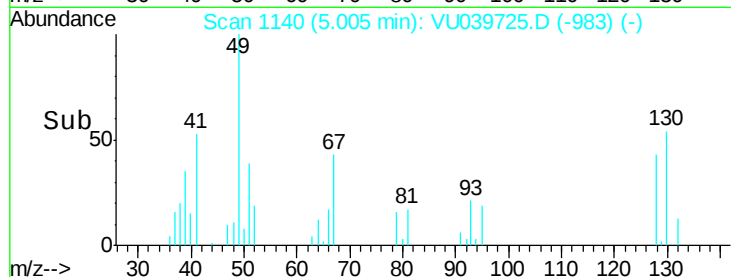
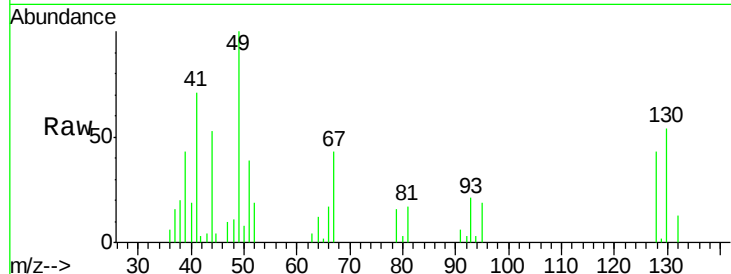
Instrument :
MSVOA_U
ClientSampleId :
VU0730WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		8216		
67	57.8	48.3	72.5		
39	58.1	47.6	71.4		
52	29.4	23.9	35.9		

Manual Integrations
APPROVED

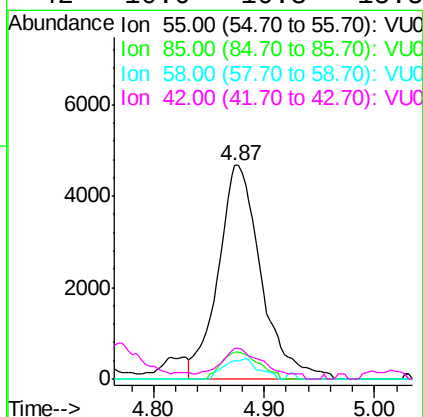
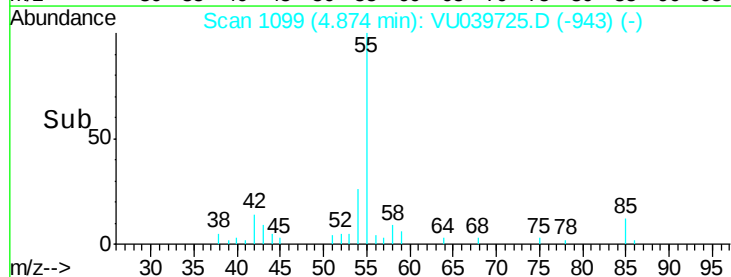
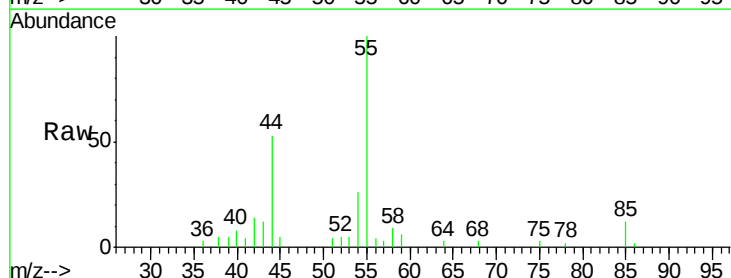
MMDadoda

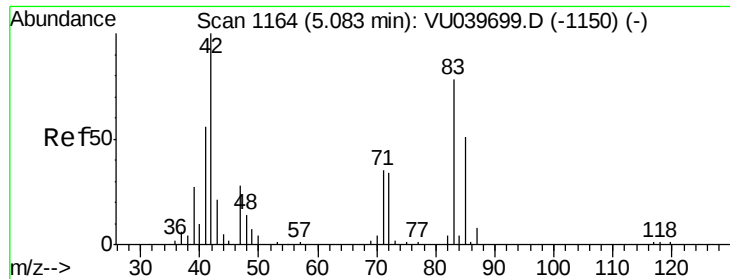
8/12/2020 6:35:17 PM



#40
Methyl acrylate
Concen: 2.412 ug/l
RT: 4.87 min Scan# 1099
Delta R.T. 0.00 min
Lab File: VU039725.D
Acq: 30 Jul 2020 17:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
55	100		12563		
85	10.9	11.4	17.0#		
58	7.5	7.4	11.0		
42	10.0	10.3	15.5#		





#41

Tetrahydrofuran

Concen: 4.475 ug/l

RT: 5.10 min Scan# 1170

Delta R.T. 0.02 min

Lab File: VU039725.D

Acq: 30 Jul 2020 17:29

Instrument :

MSVOA_U

ClientSampleId :

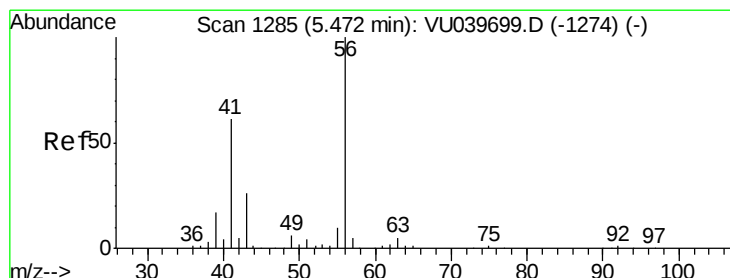
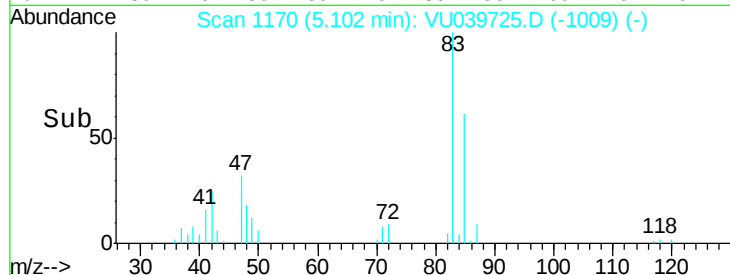
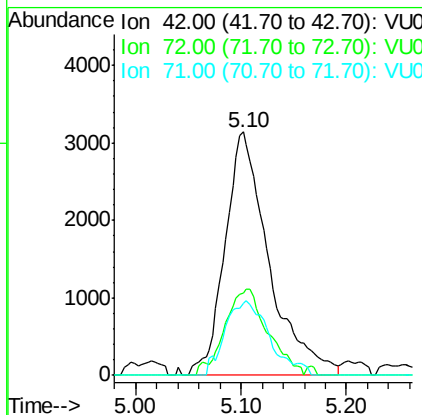
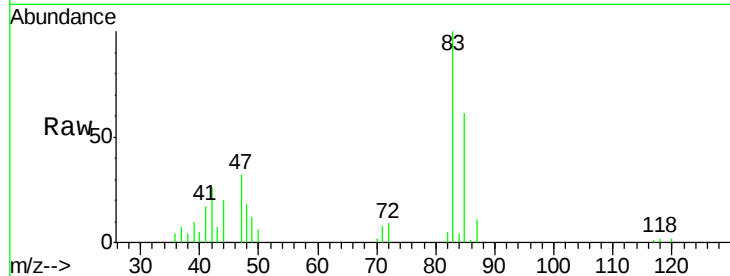
VU0730WBS01

Tot Ion:	42	Resp:	9092
Ion	Ratio	Lower	Upper
42	100		
72	34.6	31.0	46.6
71	31.1	28.2	42.4

Manual Integrations
APPROVED

MMDadoda

8/12/2020 6:35:17 PM



#42

1-Chlorobutane

Concen: 2.062 ug/l

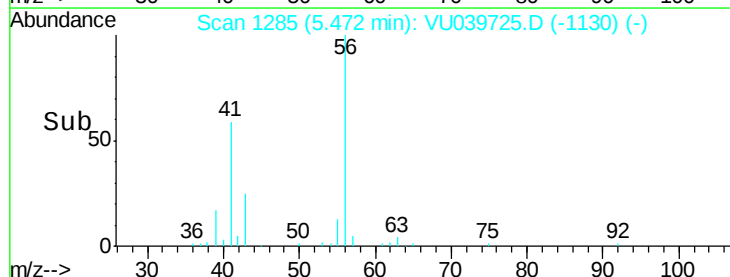
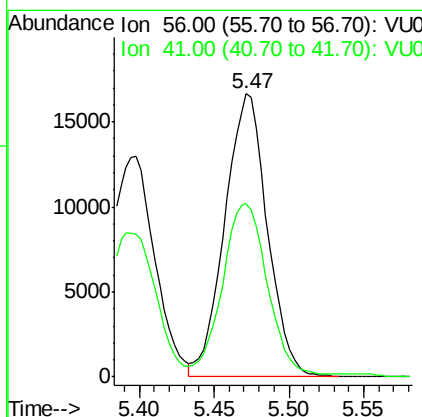
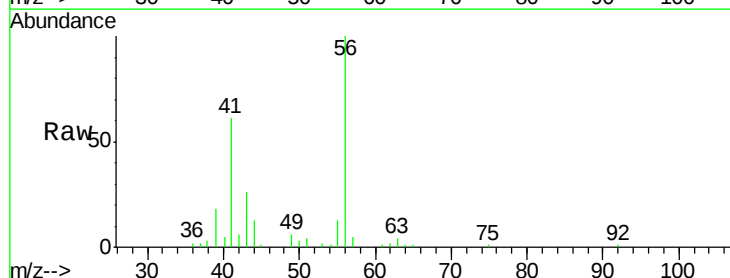
RT: 5.47 min Scan# 1285

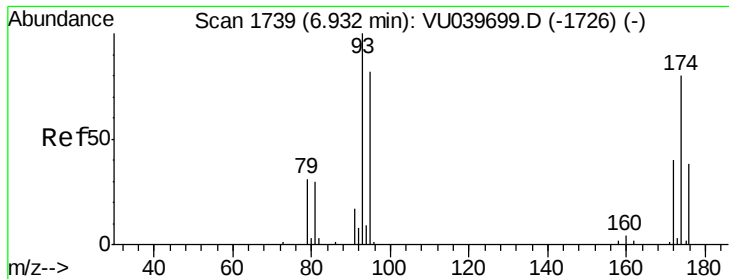
Delta R.T. -0.00 min

Lab File: VU039725.D

Acq: 30 Jul 2020 17:29

Tgt Ion:	56	Resp:	32953
Ion	Ratio	Lower	Upper
56	100		
41	62.3	30.5	91.5





#43
Dibromomethane
Concen: 2.007 ug/l
RT: 6.93 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VU039725.D
Acq: 30 Jul 2020 17:29

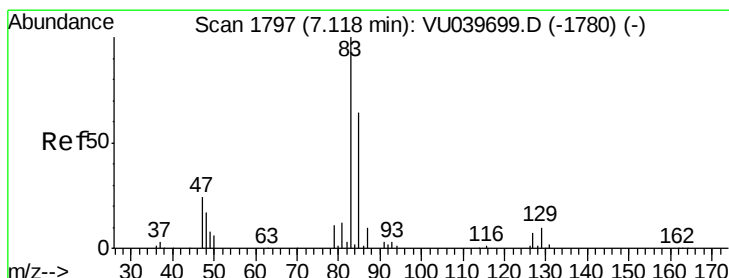
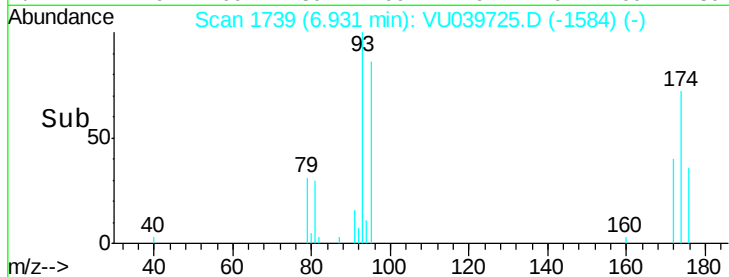
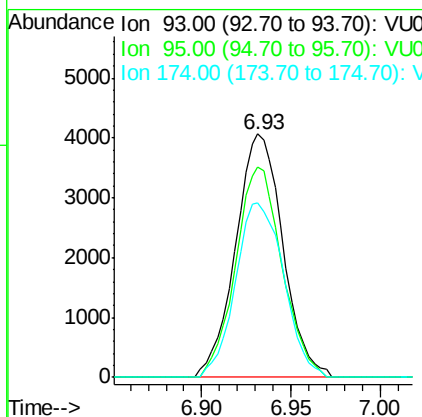
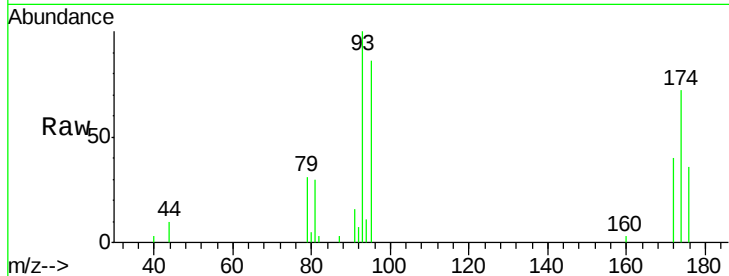
Instrument :
MSVOA_U
ClientSampleId :
VU0730WBS01

Tot Ion	Ratio	Lower	Upper
93	100		
95	84.6	66.6	99.8
174	72.9	62.7	94.1

Manual Integrations
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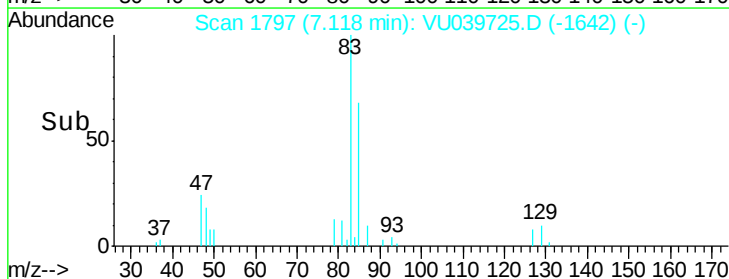
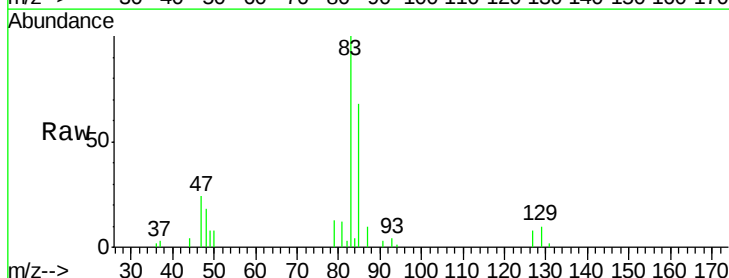
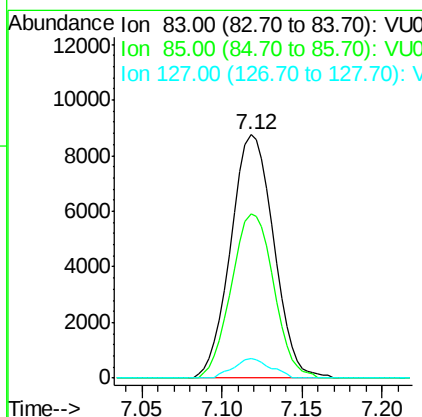
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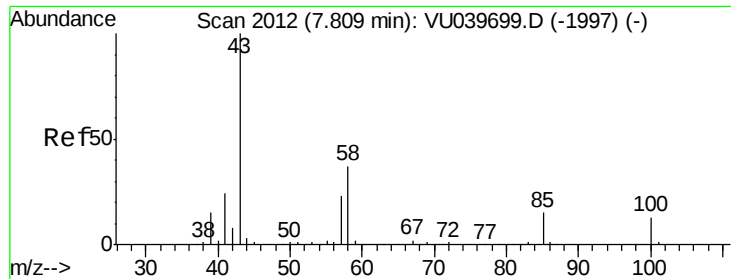
8/12/2020 6:35:17 PM



#44
Bromodichloromethane
Concen: 1.874 ug/l
RT: 7.12 min Scan# 1797
Delta R.T. -0.00 min
Lab File: VU039725.D
Acq: 30 Jul 2020 17:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.6	50.8	76.2
127	8.0	5.8	8.6





#45
4-Methyl-2-Pentanone
Concen: 9.417 ug/l
RT: 7.82 min Scan# 2014
Delta R.T. 0.01 min
Lab File: VU039725.D
Acq: 30 Jul 2020 17:29

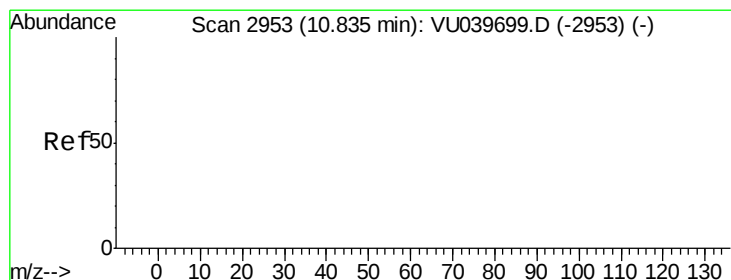
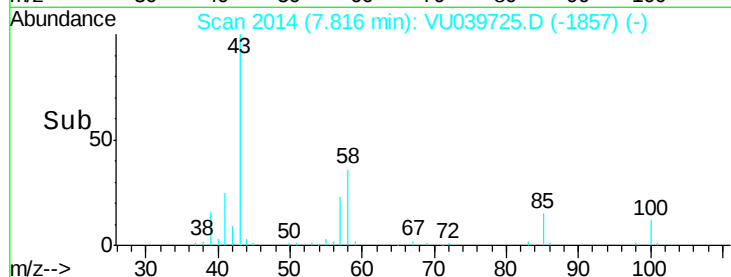
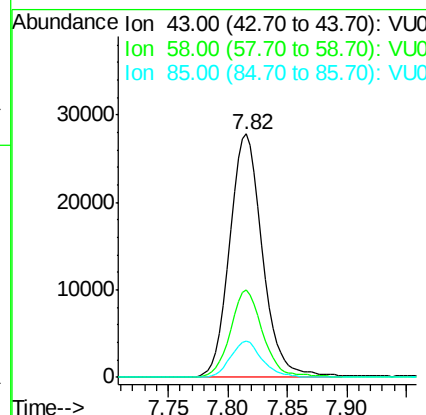
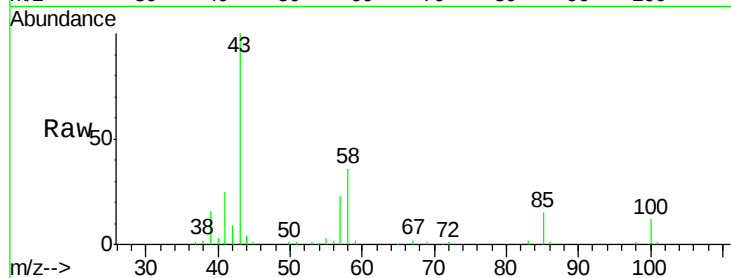
Instrument :
MSVOA_U
ClientSampleId :
VU0730WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.4	18.4	55.0
85	14.4	11.8	17.6

Manual Integrations
APPROVED

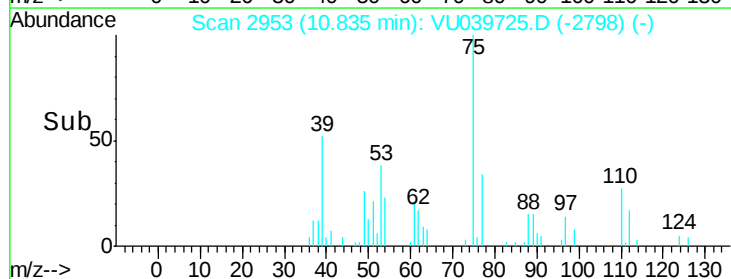
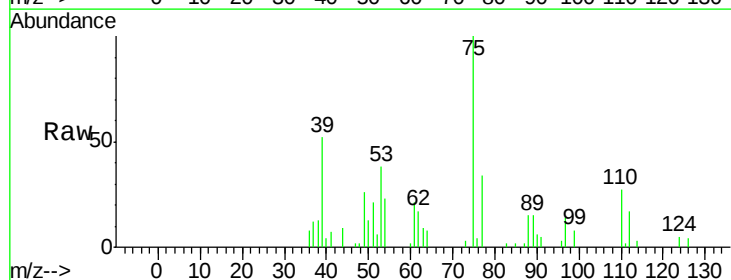
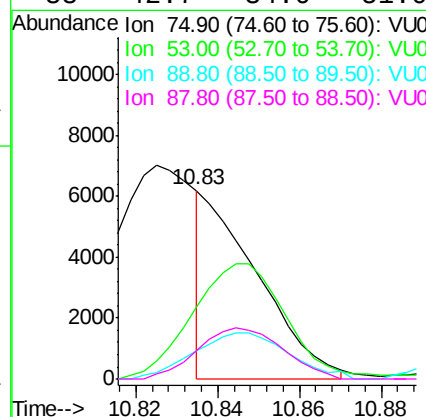
MMDadoda

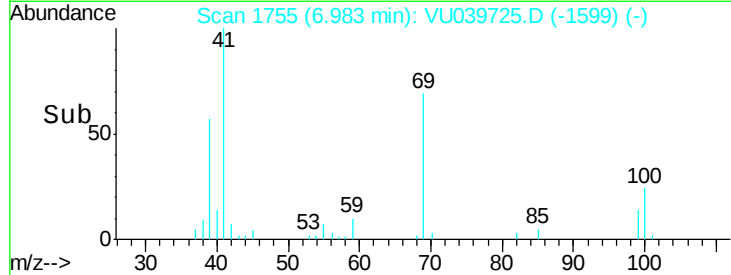
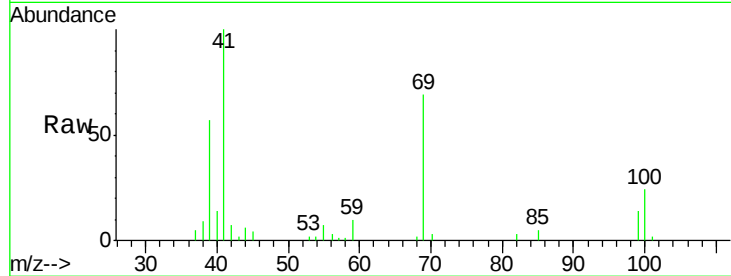
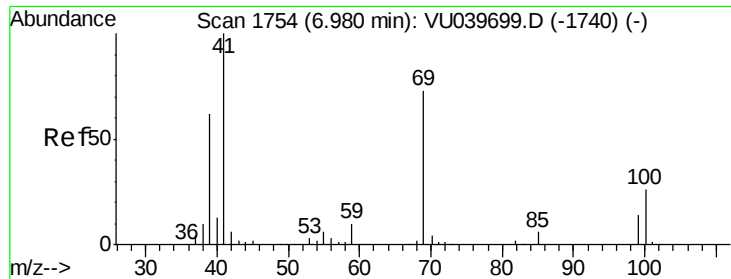
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#46
t-1,4-Dichloro-2-butene
Concen: 3.387 ug/l m
RT: 10.83 min Scan# 2953
Delta R.T. -0.00 min
Lab File: VU039725.D
Acq: 30 Jul 2020 17:29

Tgt Ion	Ratio	Lower	Upper
75	100		
53	105.7	78.6	118.0
89	42.8	40.3	60.5
88	42.7	34.0	51.0





#47
Methyl methacrylate
Concen: 3.766 ug/l
RT: 6.98 min Scan# 1755
Delta R.T. 0.00 min
Lab File: VU039725.D
Acq: 30 Jul 2020 17:29

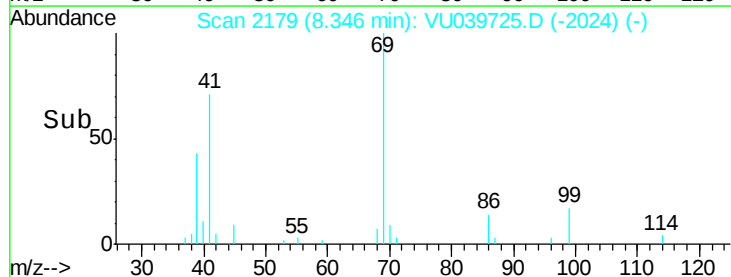
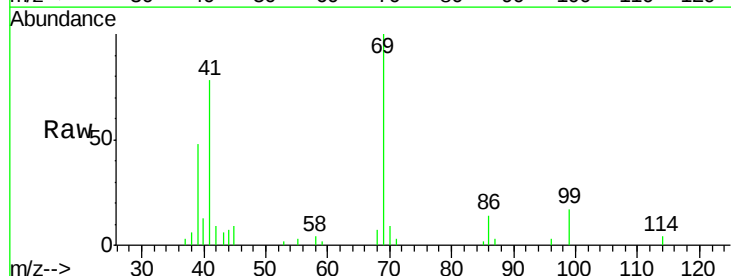
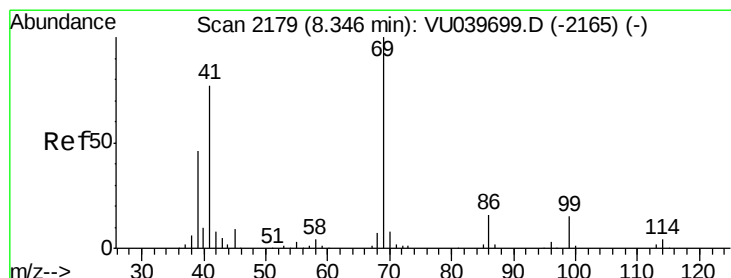
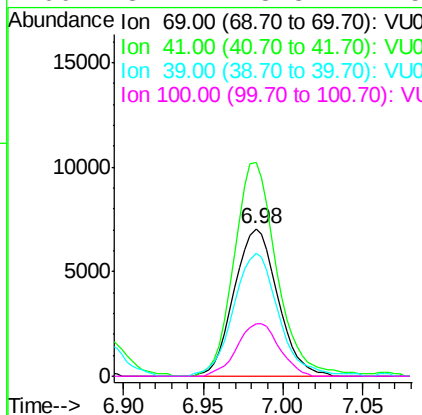
Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	142.1	0.0	271.6		
39	86.3	67.4	101.2		
100	34.4	28.3	42.5		

Instrument :
MSVOA_U
ClientSampleId :
VU0730WBS01

Manual Integrations
APPROVED

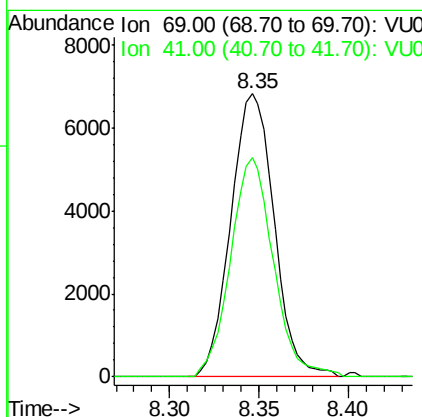
MMDadoda

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#48
Ethyl methacrylate
Concen: 1.795 ug/l
RT: 8.35 min Scan# 2179
Delta R.T. -0.00 min
Lab File: VU039725.D
Acq: 30 Jul 2020 17:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	76.8	39.1	117.5		





#49

Toluene

Concen: 1.804 ug/l

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039725.D

Acq: 30 Jul 2020 17:29

Instrument :

MSVOA_U

ClientSampleId :

VU0730WBS01

Tot Ion: 92 Resp: 27041

Ion Ratio Lower Upper

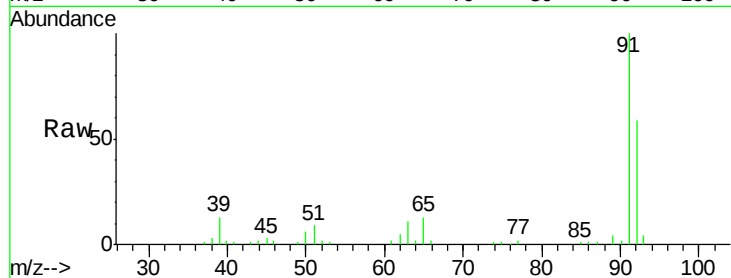
92 100

91 174.5 136.1 204.1

Manual Integrations
APPROVED

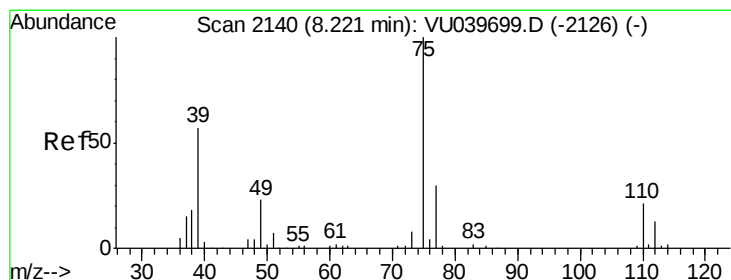
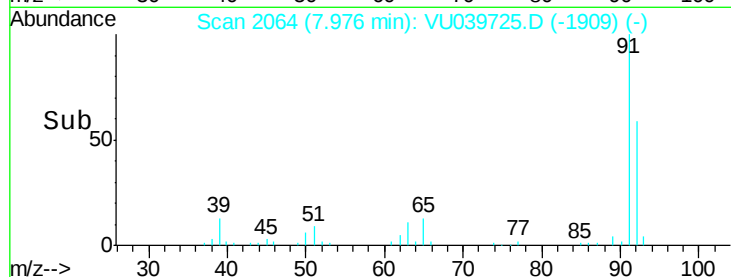
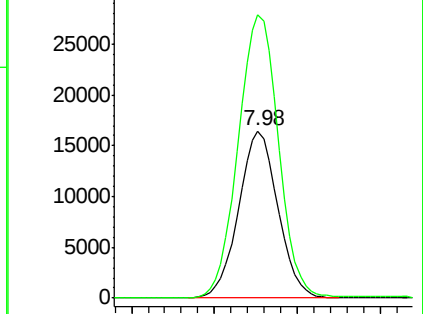
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Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#50

t-1,3-Dichloropropene

Concen: 1.768 ug/l

RT: 8.22 min Scan# 2140

Delta R.T. -0.00 min

Lab File: VU039725.D

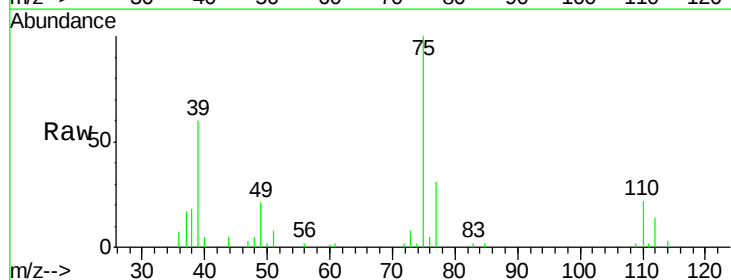
Acq: 30 Jul 2020 17:29

Tgt Ion: 75 Resp: 13636

Ion Ratio Lower Upper

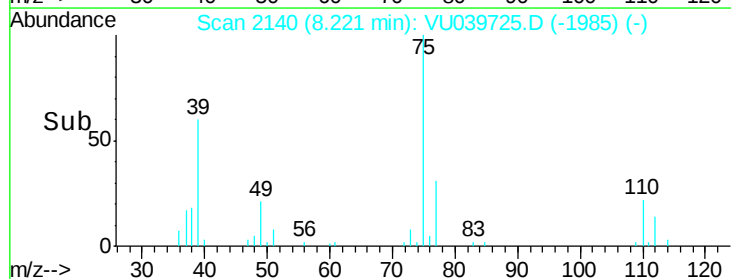
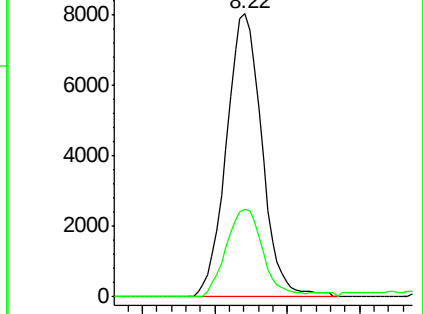
75 100

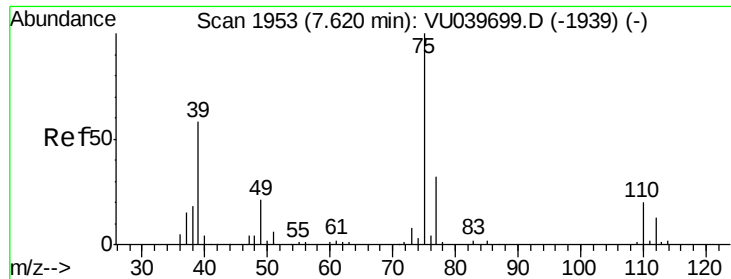
77 31.1 24.3 36.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#51

cis-1,3-Dichloropropene
Concen: 1.798 ug/l
RT: 7.62 min Scan# 1952
Delta R.T. -0.00 min
Lab File: VU039725.D
Acq: 30 Jul 2020 17:29

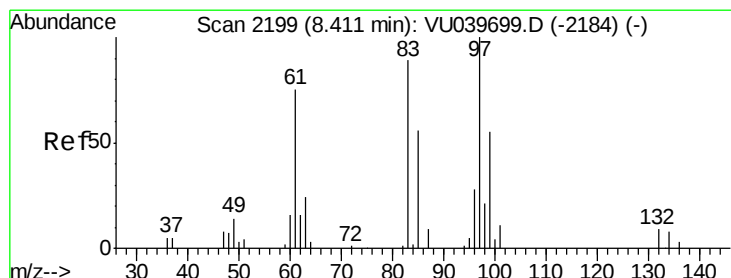
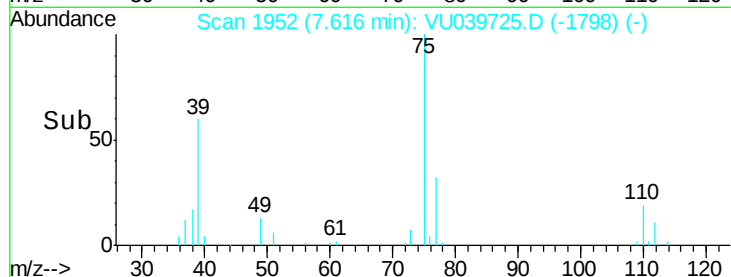
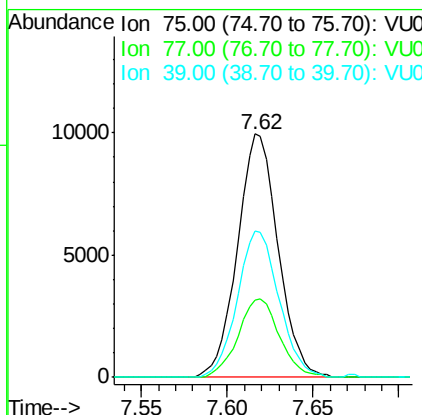
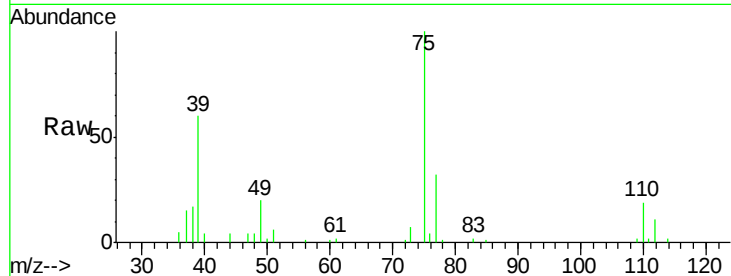
Instrument :
MSVOA_U
ClientSampleId :
VU0730WBS01

Tot Ion:	75	Resp:	16298
Ion Ratio	Lower	Upper	
75	100		
77	31.5	25.7	38.5
39	60.3	46.1	69.1

Manual Integrations
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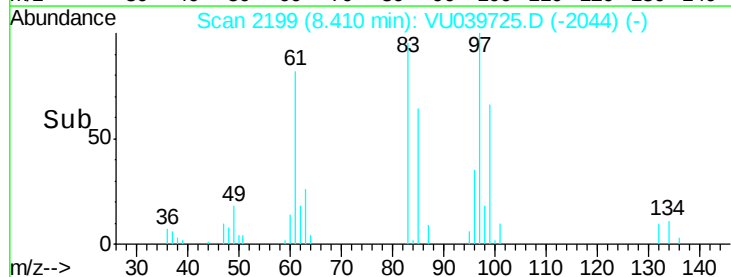
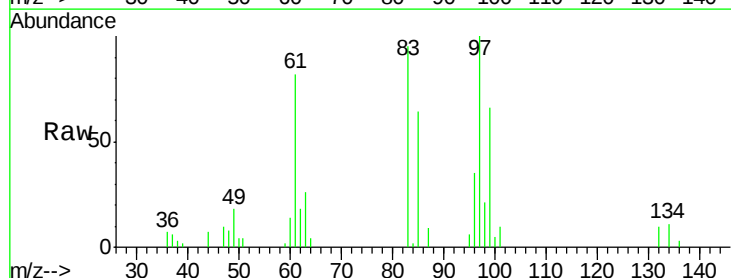
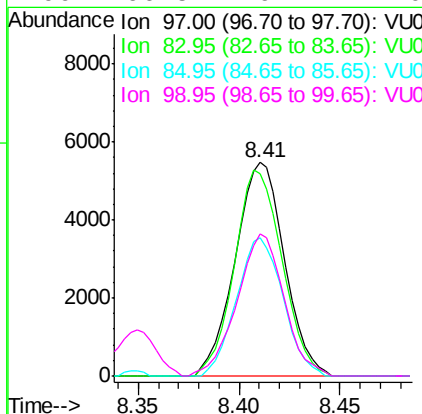
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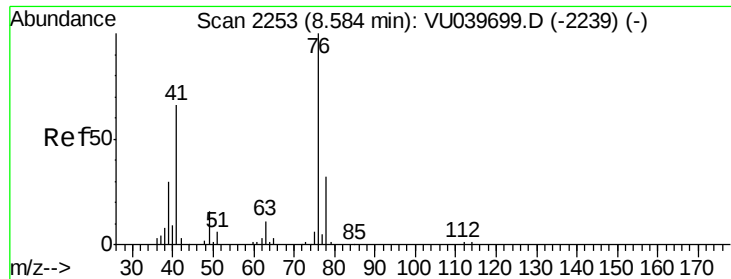


#52

1,1,2-Trichloroethane
Concen: 1.932 ug/l
RT: 8.41 min Scan# 2199
Delta R.T. -0.00 min
Lab File: VU039725.D
Acq: 30 Jul 2020 17:29

Tgt Ion:	97	Resp:	9377
Ion Ratio	Lower	Upper	
97	100		
83	94.6	71.3	106.9
85	64.5	45.4	68.2
99	66.5	49.4	74.0





#53
 1,3-Dichloropropane
 Concen: 1.915 ug/l
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VU039725.D
 Acq: 30 Jul 2020 17:29

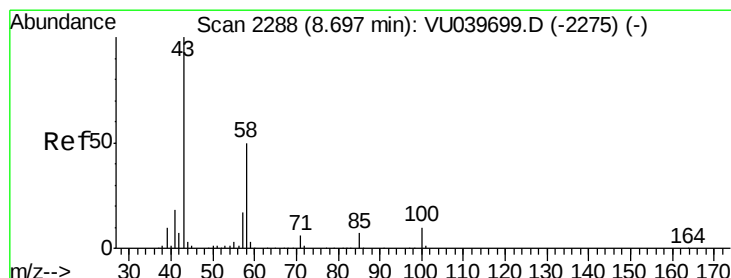
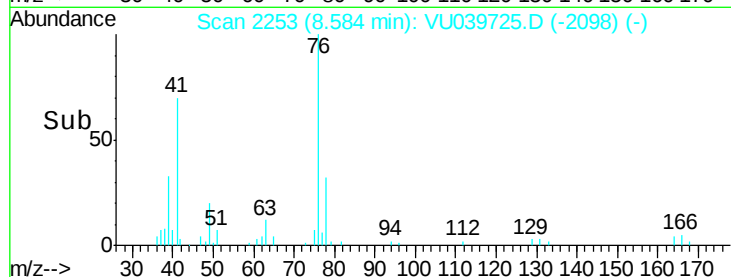
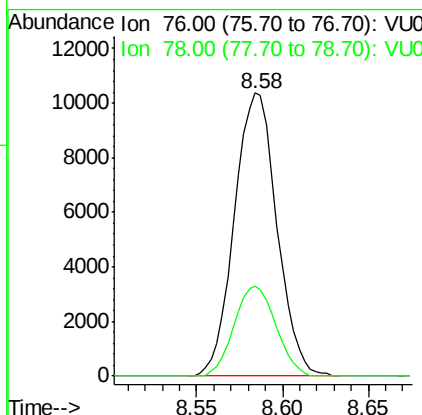
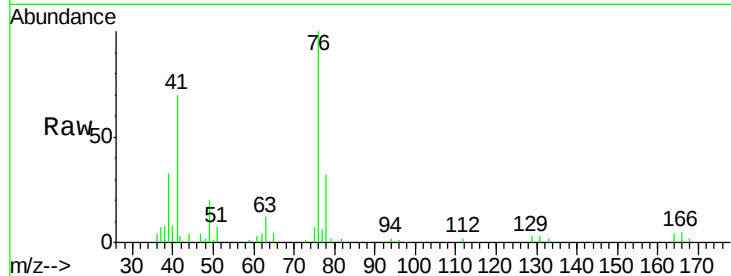
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0730WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.2	25.4	38.2

Manual Integrations
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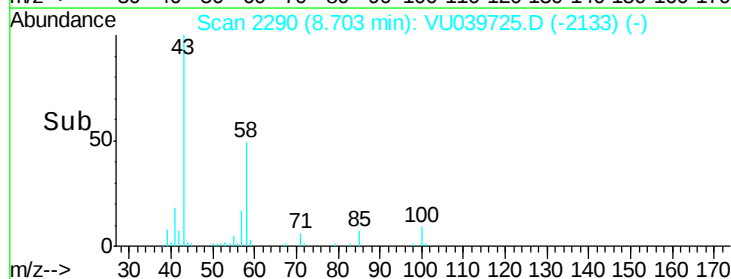
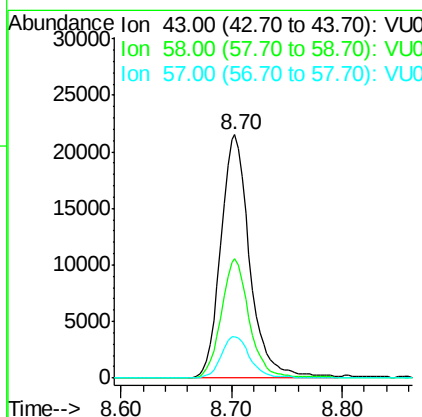
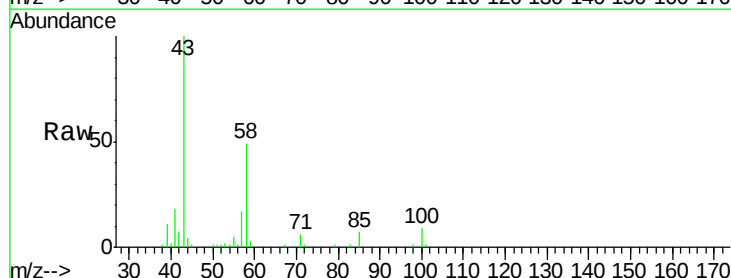
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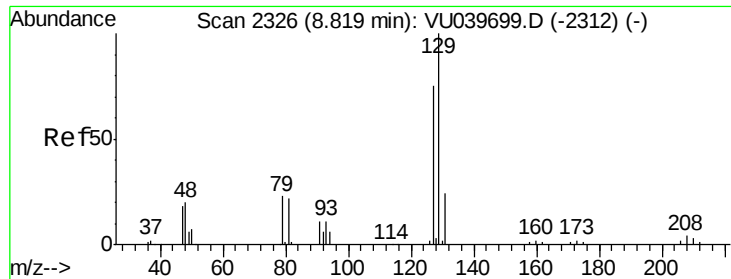
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#54
 2-Hexanone
 Concen: 9.707 ug/l
 RT: 8.70 min Scan# 2290
 Delta R.T. 0.01 min
 Lab File: VU039725.D
 Acq: 30 Jul 2020 17:29

Tgt Ion	Ratio	Lower	Upper
43	100		
58	47.1	29.9	69.9
57	16.8	0.0	37.2





#55
 Dibromochloromethane
 Concen: 1.830 ug/l
 RT: 8.82 min Scan# 2325
 Delta R.T. -0.00 min
 Lab File: VU039725.D
 Acq: 30 Jul 2020 17:29

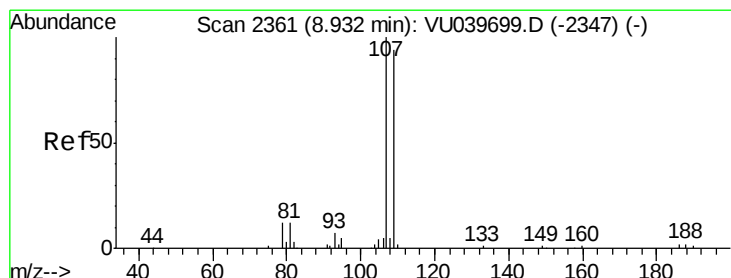
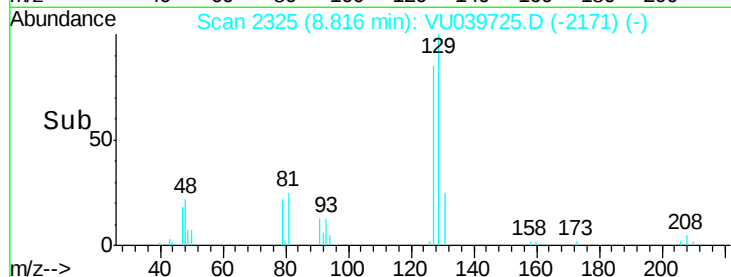
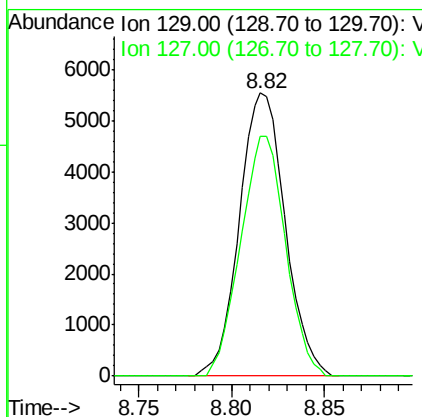
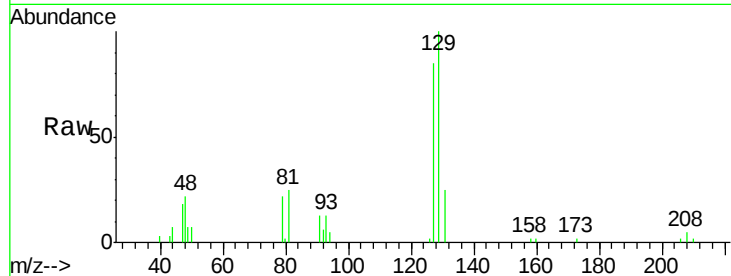
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0730WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		9539		
127	83.1		62.4	93.6	

Manual Integrations
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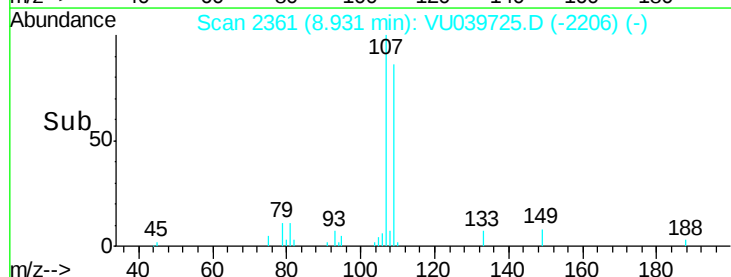
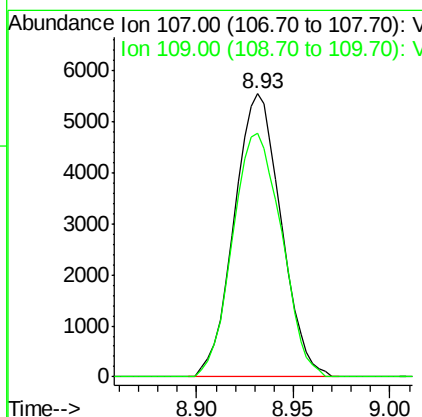
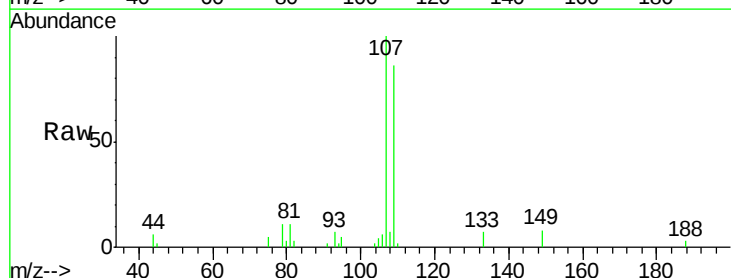
MMDadoda

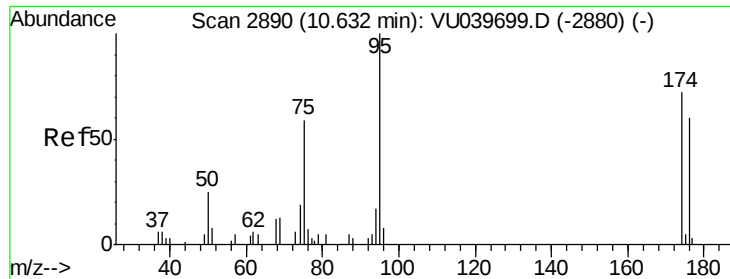
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#56
 1,2-Dibromoethane
 Concen: 1.997 ug/l
 RT: 8.93 min Scan# 2361
 Delta R.T. -0.00 min
 Lab File: VU039725.D
 Acq: 30 Jul 2020 17:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		9339		
109	90.0		0.0	185.2	





#57
4-Bromofluorobenzene
Concen: 0.933 ug/l
RT: 10.64 min Scan# 2891
Delta R.T. 0.00 min
Lab File: VU039725.D
Acq: 30 Jul 2020 17:29

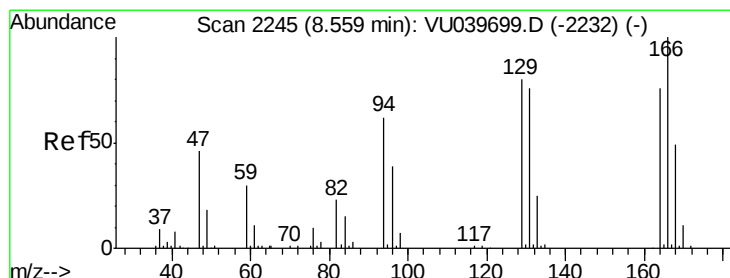
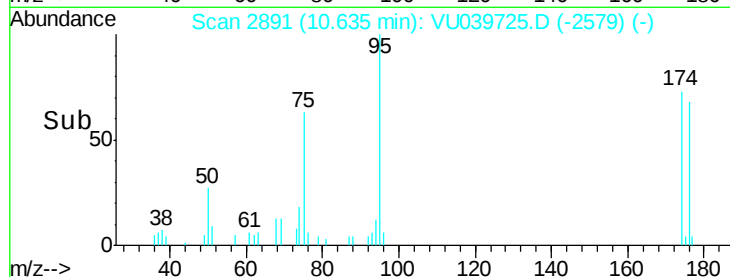
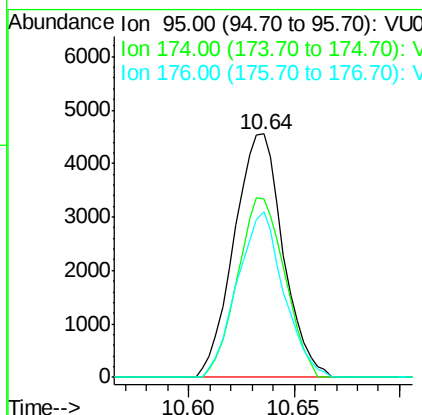
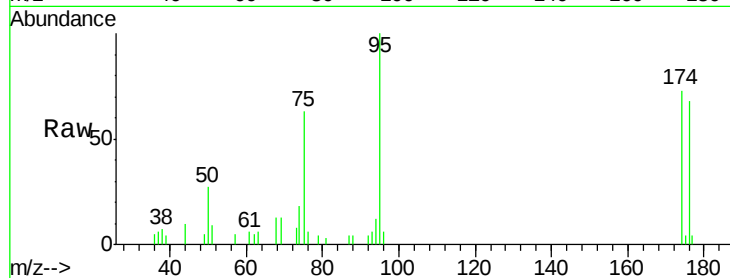
Instrument :
MSVOA_U
ClientSampleId :
VU0730WBS01

Tot Ion	Ratio	Lower	Upper
95	100		
174	71.0	57.0	85.4
176	64.6	50.2	75.2

Manual Integrations
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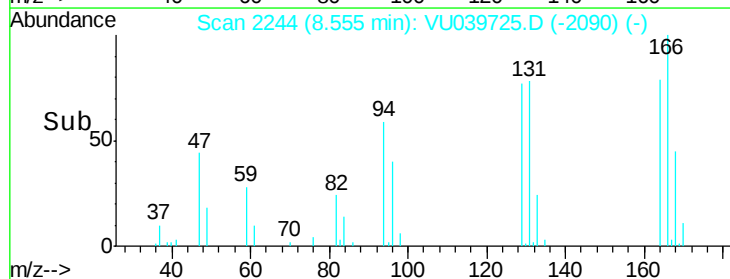
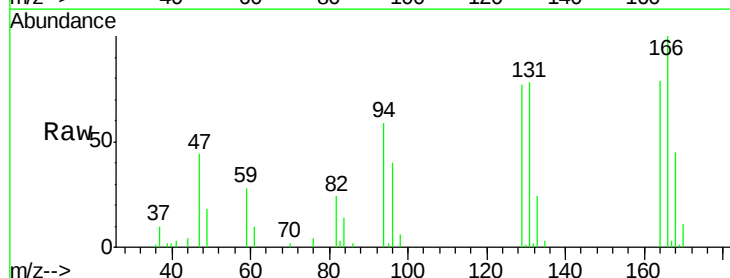
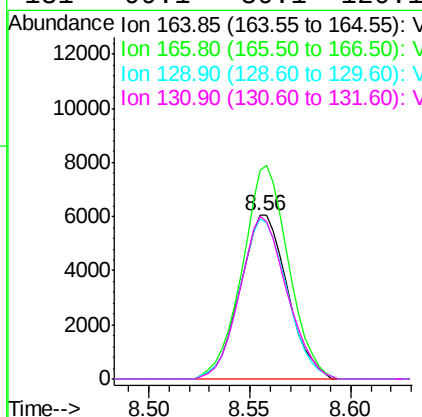
MMDadoda

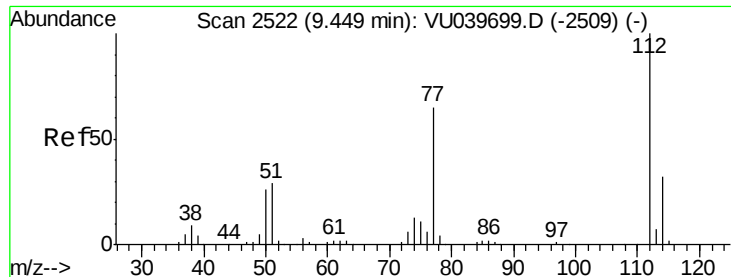
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#58
Tetrachloroethene
Concen: 1.976 ug/l
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU039725.D
Acq: 30 Jul 2020 17:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	104.8	157.2
129	97.6	84.1	126.1
131	99.1	80.1	120.1





#59

Chlorobenzene

Concen: 1.924 ug/l

RT: 9.45 min Scan# 2522

Delta R.T. -0.00 min

Lab File: VU039725.D

Acq: 30 Jul 2020 17:29

Instrument :

MSVOA_U

ClientSampleId :

VU0730WBS01

Tot Ion:112 Resp: 29824

Ion Ratio Lower Upper

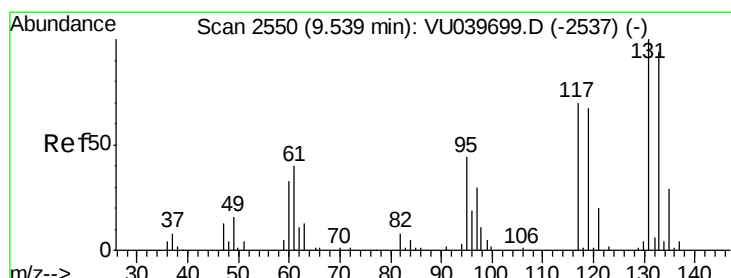
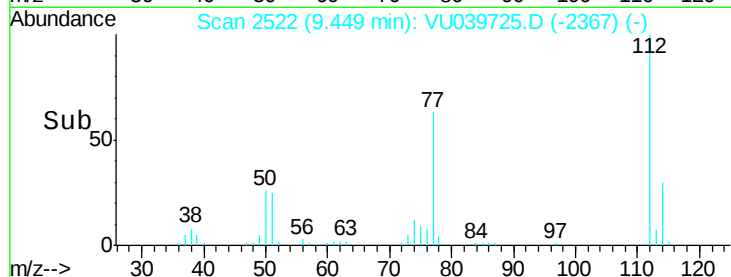
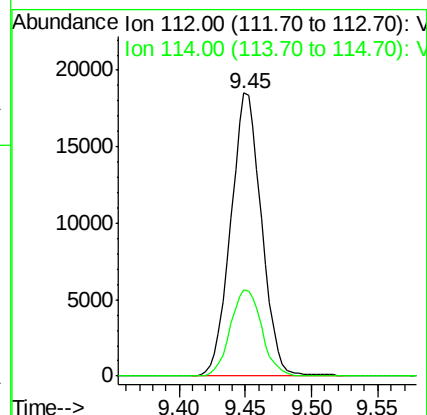
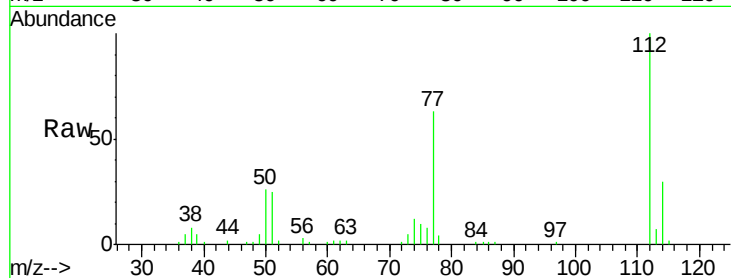
112 100

114 30.3 25.8 38.6

Manual Integrations
APPROVED

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#60

1,1,1,2-Tetrachloroethane

Concen: 1.860 ug/l

RT: 9.54 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU039725.D

Acq: 30 Jul 2020 17:29

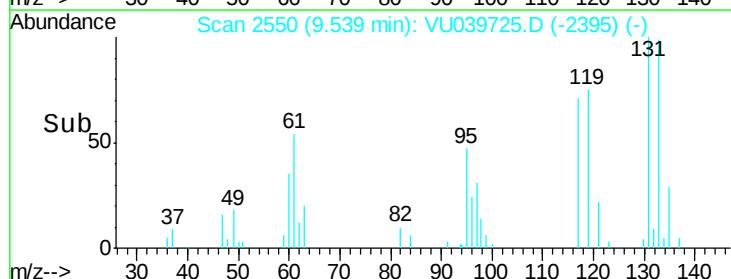
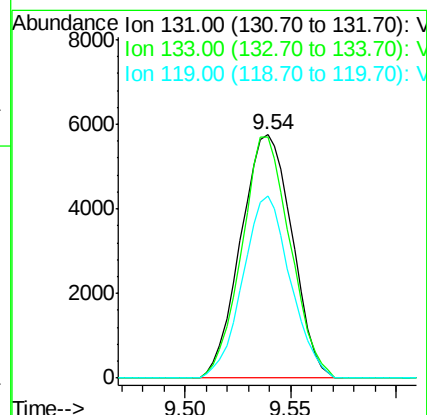
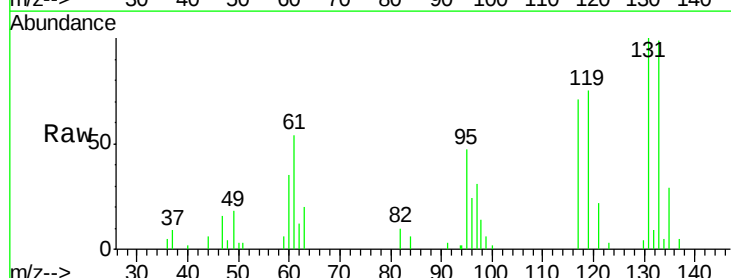
Tgt Ion:131 Resp: 9725

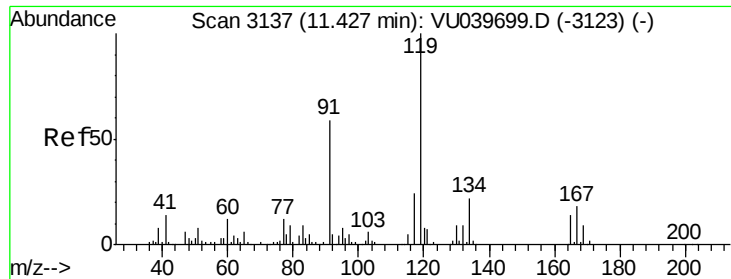
Ion Ratio Lower Upper

131 100

133 93.7 75.8 113.8

119 69.4 54.6 81.8





#61

Pentachloroethane

Concen: 1.788 ug/l

RT: 11.43 min Scan# 3137

Delta R.T. -0.00 min

Lab File: VU039725.D

Acq: 30 Jul 2020 17:29

Instrument :

MSVOA_U

ClientSampleId :

VU0730WBS01

Tot Ion:117 Resp: 8213

Ion Ratio Lower Upper

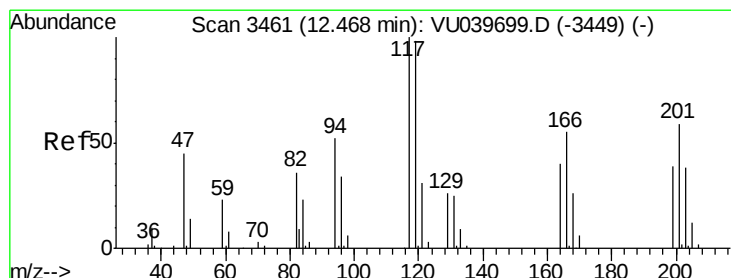
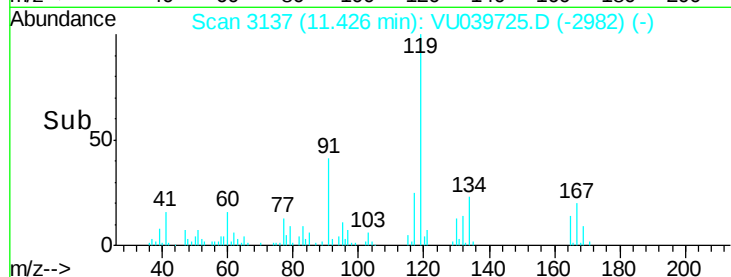
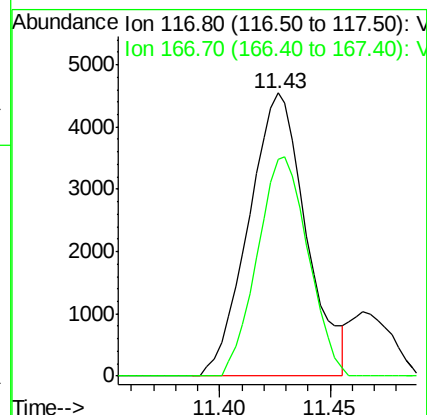
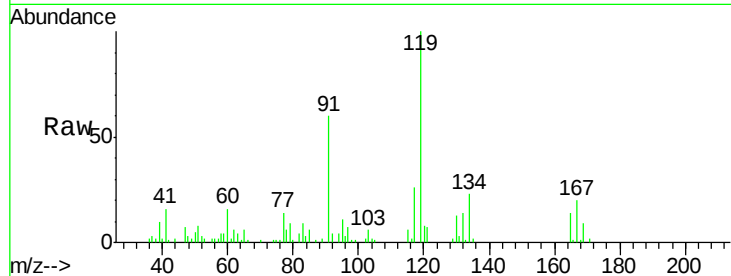
117 100

167 68.5 56.6 85.0

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#62

Hexachloroethane

Concen: 1.699 ug/l

RT: 12.47 min Scan# 3462

Delta R.T. 0.00 min

Lab File: VU039725.D

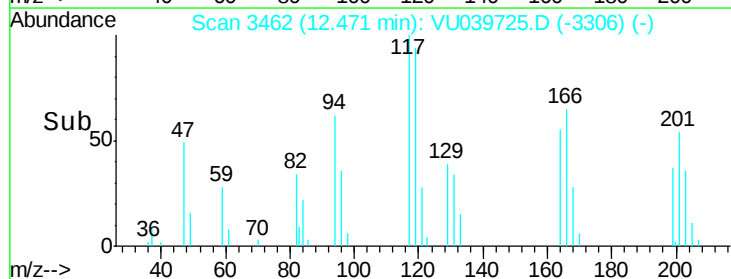
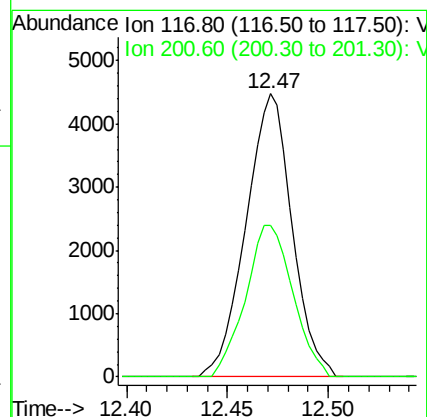
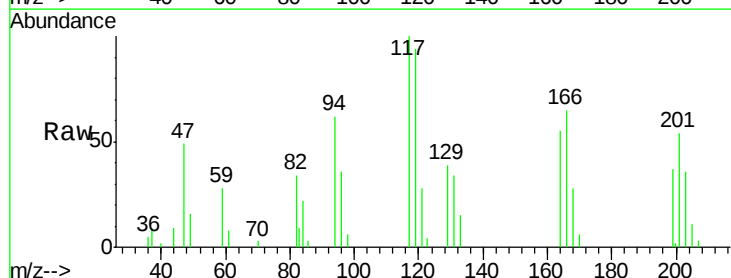
Acq: 30 Jul 2020 17:29

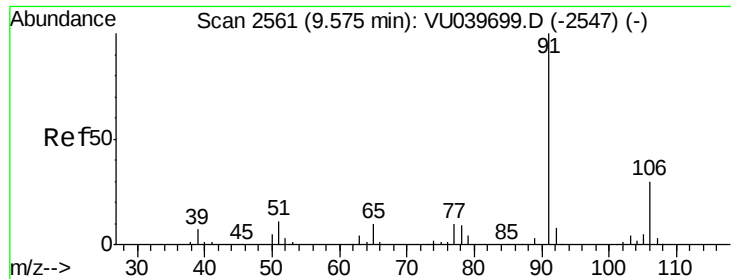
Tgt Ion:117 Resp: 7153

Ion Ratio Lower Upper

117 100

201 54.9 48.1 72.1





#63

Ethyl Benzene

Concen: 1.733 ug/l

RT: 9.57 min Scan# 2561

Delta R.T. -0.00 min

Lab File: VU039725.D

Acq: 30 Jul 2020 17:29

Tot Ion: 91 Resp: 48136

Ion Ratio Lower Upper

91 100

106 29.7 24.2 36.4

Instrument :

MSVOA_U

ClientSampleId :

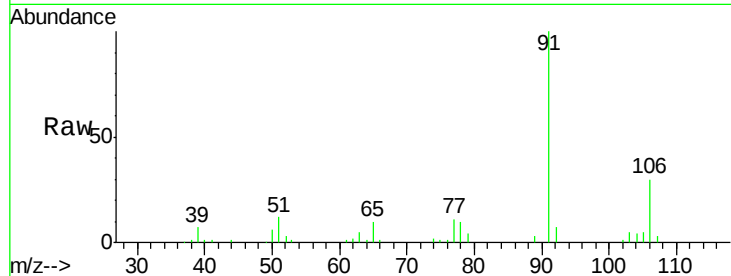
VU0730WBS01

Manual Integrations

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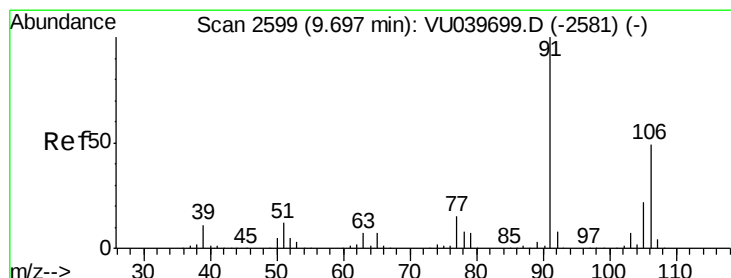
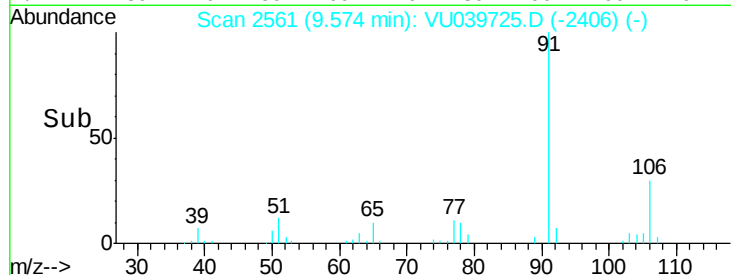
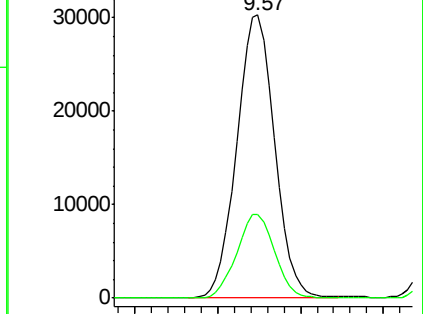
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Abundance Ion 91.00 (90.70 to 91.70): VU039699.D (-2547) (-)

Ion 106.00 (105.70 to 106.70): VU039699.D (-2547) (-)



#64

m/p-Xylenes

Concen: 3.555 ug/l

RT: 9.70 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VU039725.D

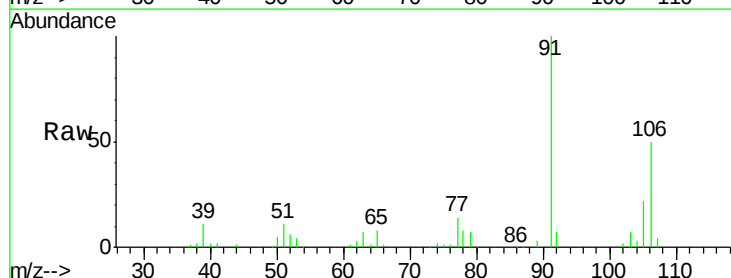
Acq: 30 Jul 2020 17:29

Tgt Ion: 106 Resp: 38588

Ion Ratio Lower Upper

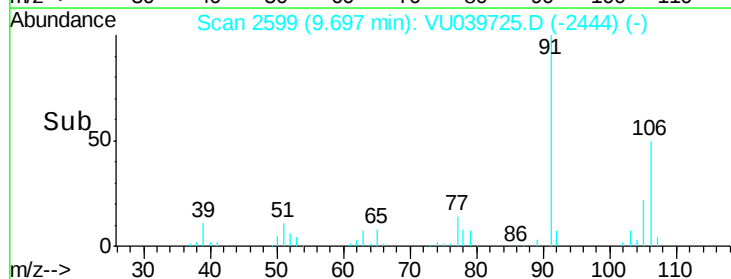
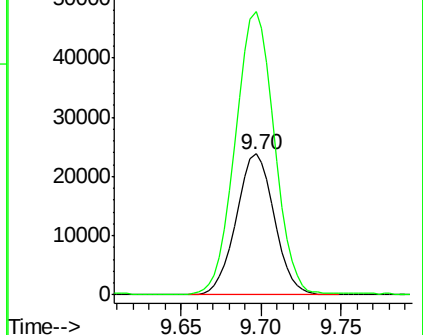
106 100

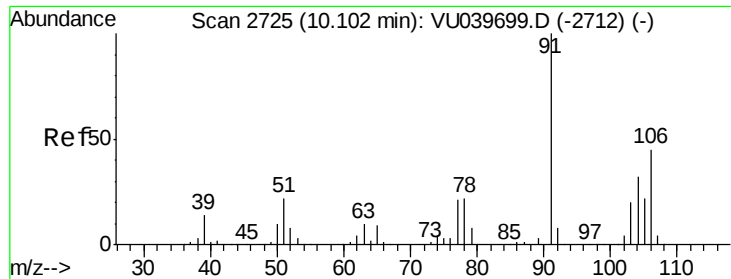
91 204.6 163.9 245.9



Abundance Ion 106.00 (105.70 to 106.70): VU039699.D (-2581) (-)

Ion 91.00 (90.70 to 91.70): VU039699.D (-2581) (-)





#65
o-Xylene
Concen: 1.805 ug/l
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU039725.D
Acq: 30 Jul 2020 17:29

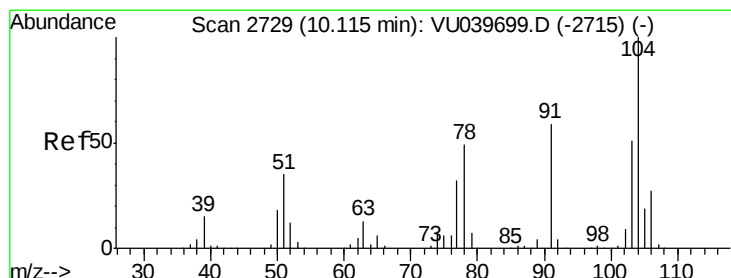
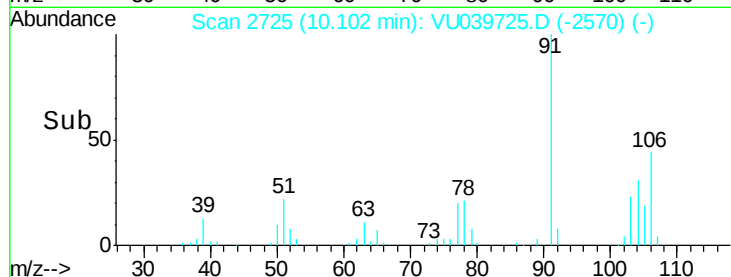
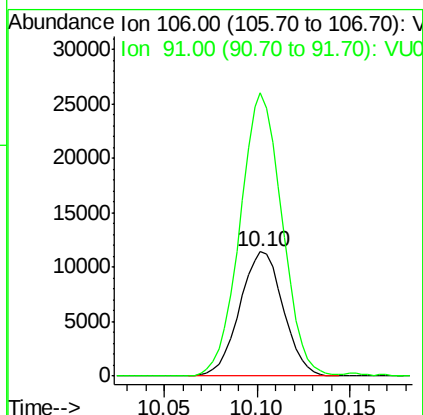
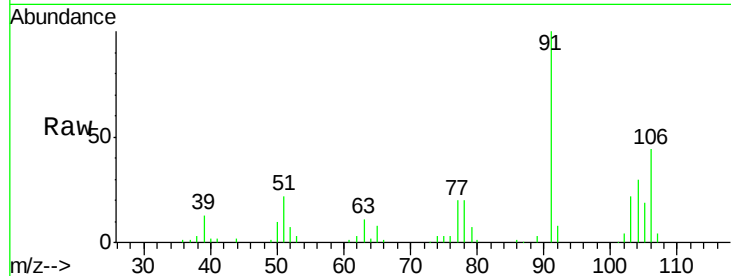
Instrument :
MSVOA_U
ClientSampleId :
VU0730WBS01

Tot Ion:106 Resp: 18604
Ion Ratio Lower Upper
106 100
91 220.1 110.3 331.0

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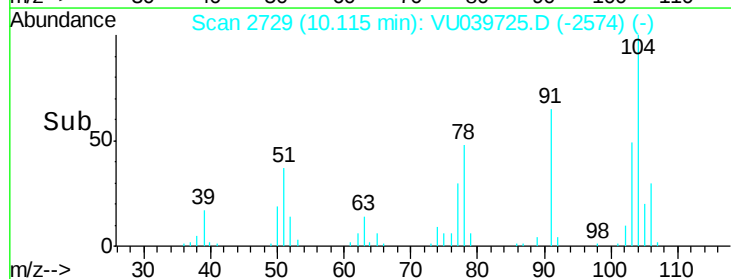
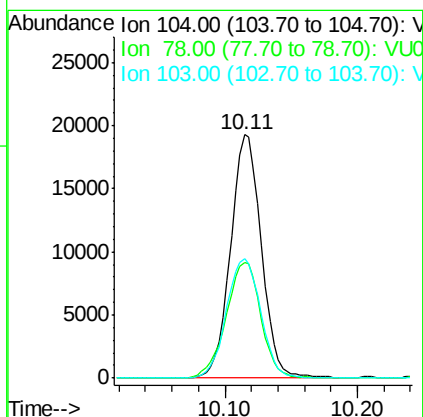
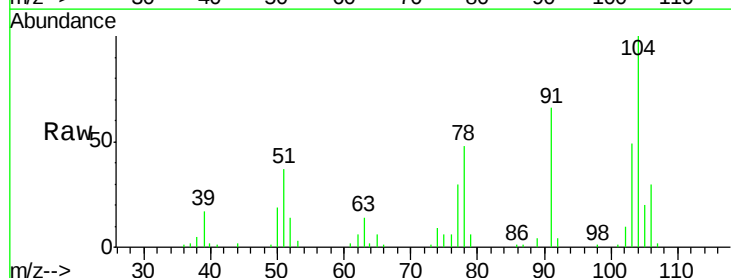
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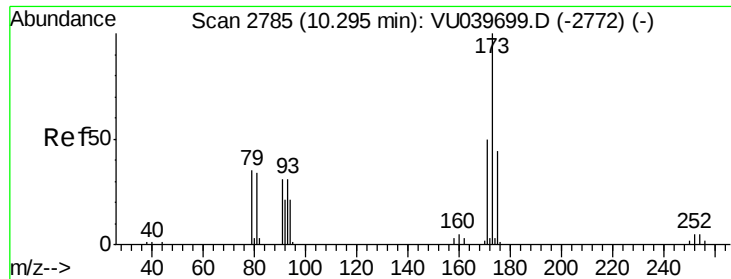
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#66
Styrene
Concen: 1.761 ug/l
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU039725.D
Acq: 30 Jul 2020 17:29

Tgt Ion:104 Resp: 31095
Ion Ratio Lower Upper
104 100
78 53.2 42.2 63.4
103 54.5 43.4 65.2





#67
Bromoform
Concen: 1.782 ug/l
RT: 10.29 min Scan# 2784
Delta R.T. -0.00 min
Lab File: VU039725.D
Acq: 30 Jul 2020 17:29

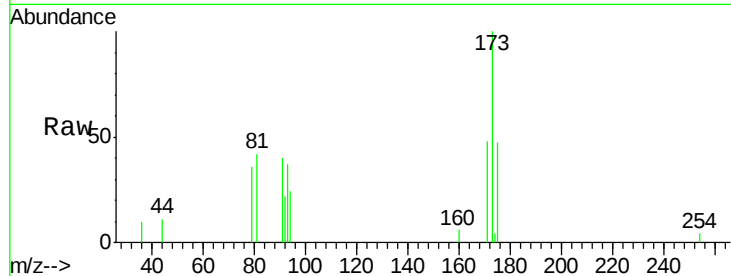
Instrument :
MSVOA_U
ClientSampleId :
VU0730WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	36.7	55.1
254	4.0	3.8	5.8

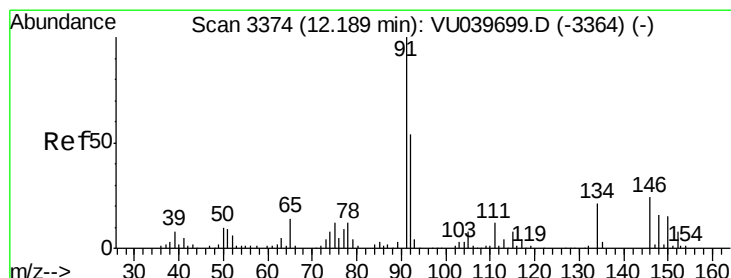
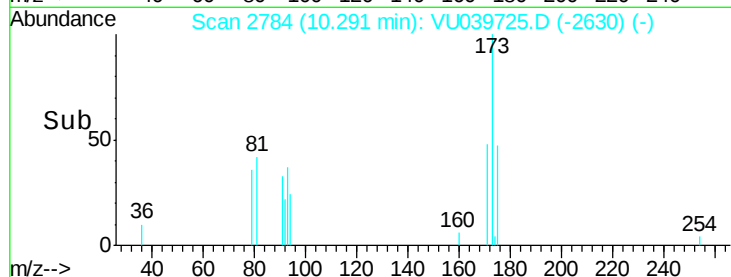
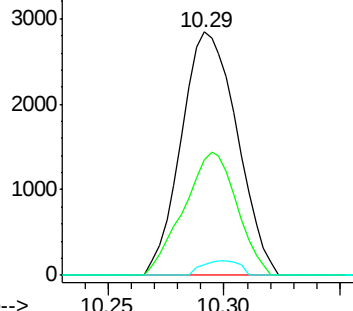
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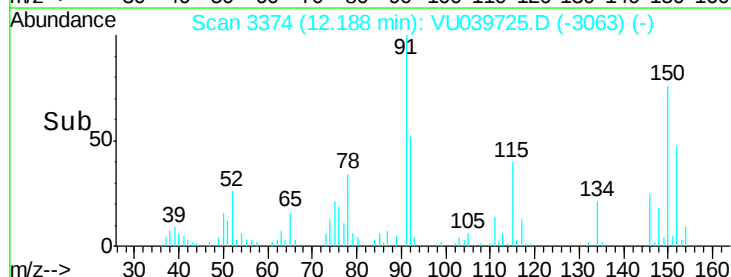
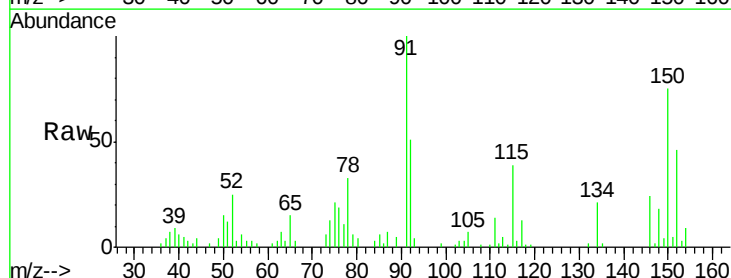
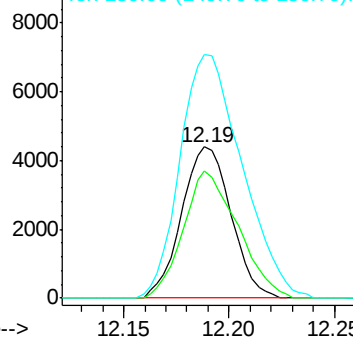
Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

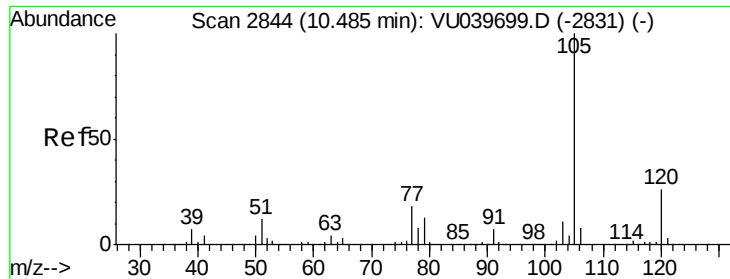


#68
1,2-Dichlorobenzene-d4
Concen: 0.926 ug/l
RT: 12.19 min Scan# 3374
Delta R.T. -0.00 min
Lab File: VU039725.D
Acq: 30 Jul 2020 17:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	92.7	0.0	302.4
150	202.9	0.0	645.8

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: 1.718 ug/l

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039725.D

Acq: 30 Jul 2020 17:29

Instrument :

MSVOA_U

ClientSampleId :

VU0730WBS01

Tot Ion: 105 Resp: 47305

Ion Ratio Lower Upper

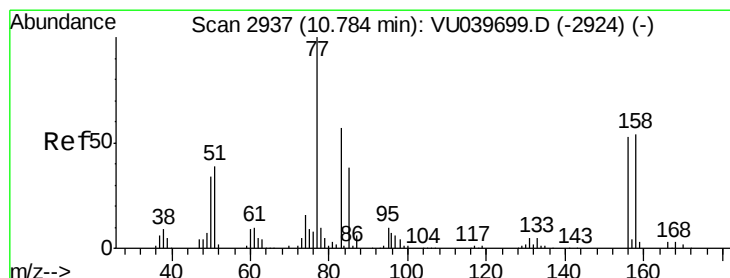
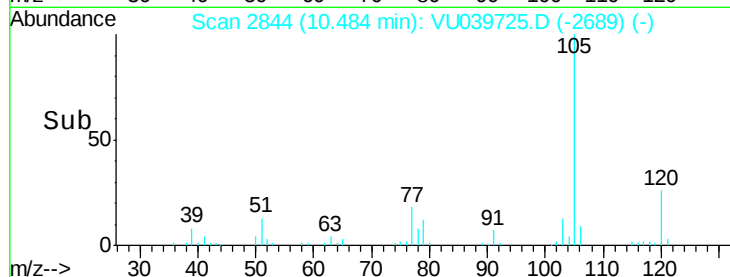
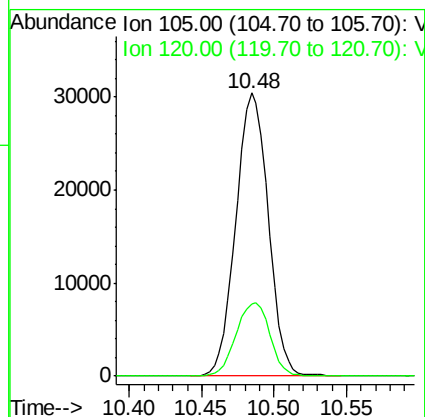
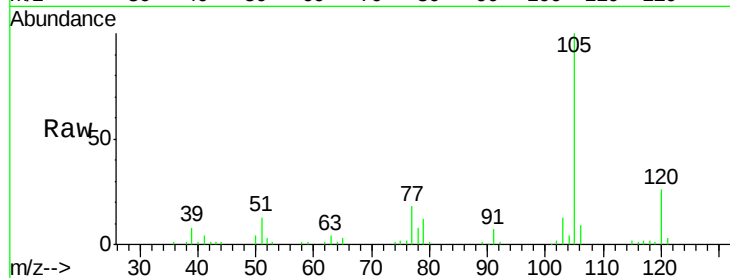
105 100

120 26.8 12.8 38.4

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#70

1,1,2,2-Tetrachloroethane

Concen: 1.983 ug/l

RT: 10.78 min Scan# 2937

Delta R.T. -0.00 min

Lab File: VU039725.D

Acq: 30 Jul 2020 17:29

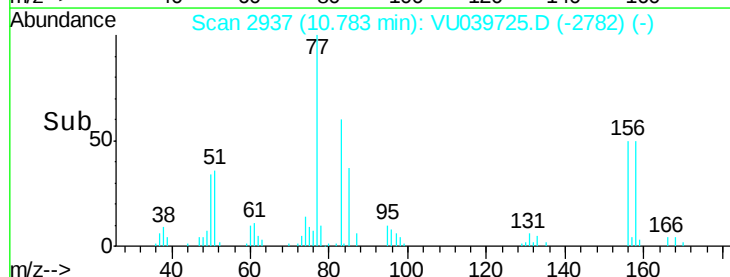
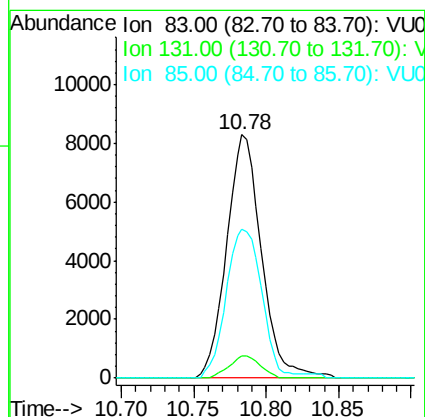
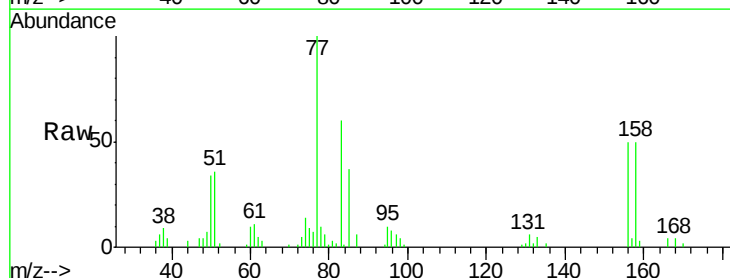
Tgt Ion: 83 Resp: 13853

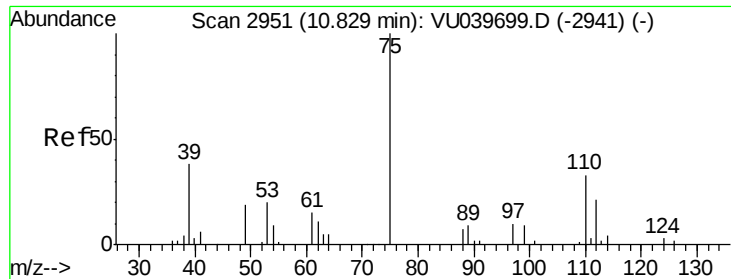
Ion Ratio Lower Upper

83 100

131 8.2 7.0 10.6

85 63.1 50.6 75.8





#71
1,2,3-Trichloropropane
Concen: 2.156 ug/l m
RT: 10.83 min Scan# 2950
Delta R.T. -0.00 min
Lab File: VU039725.D
Acq: 30 Jul 2020 17:29

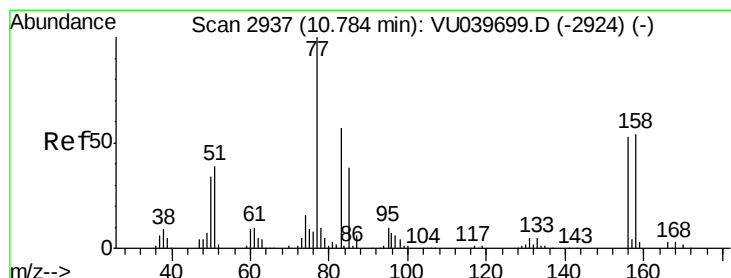
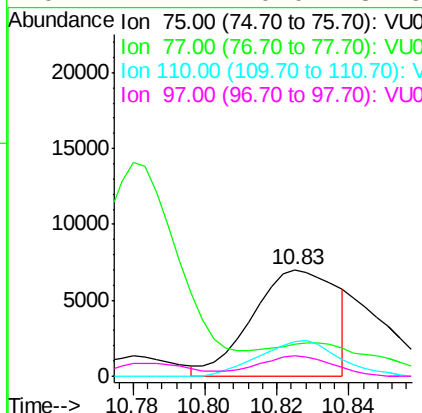
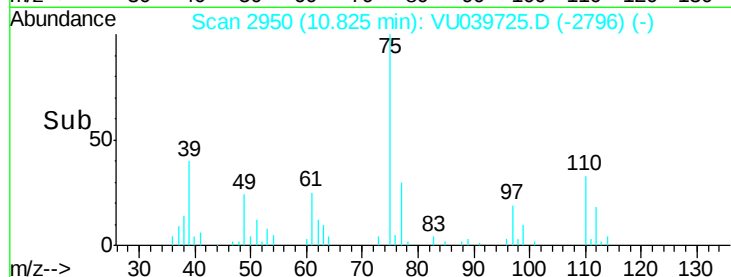
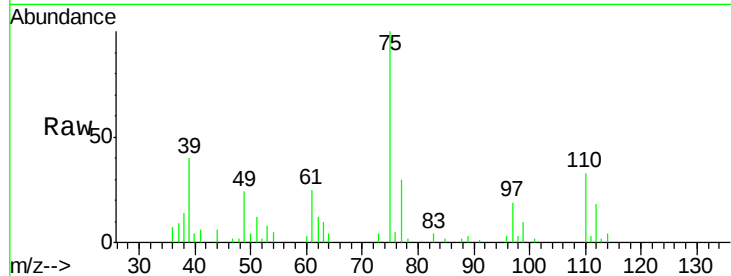
Instrument :
MSVOA_U
ClientSampleId :
VU0730WBS01

Tot Ion	Ion	Ratio	Lower	Upper
75	100			
77	0.0	0.0	91.0	
110	32.2	0.0	64.2	
97	17.4	0.0	32.6	

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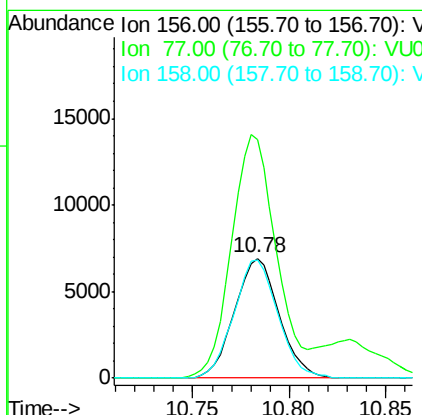
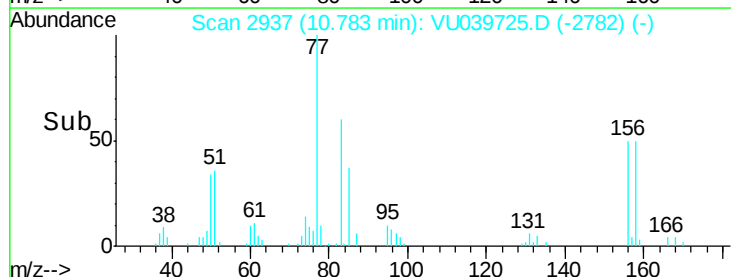
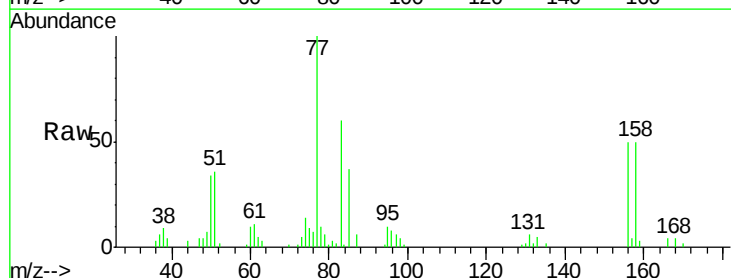
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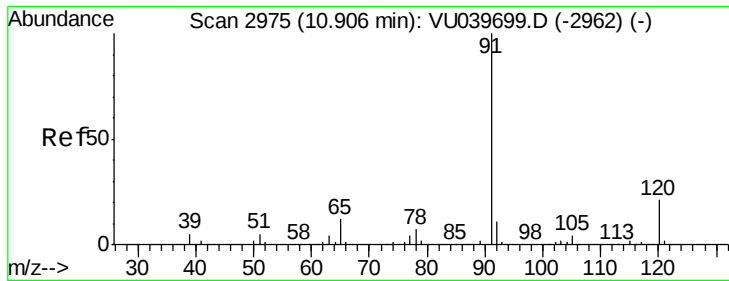
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#72
Bromobenzene
Concen: 1.777 ug/l
RT: 10.78 min Scan# 2937
Delta R.T. -0.00 min
Lab File: VU039725.D
Acq: 30 Jul 2020 17:29

Tgt Ion	Ion	Ratio	Lower	Upper
156	100			
77	202.6	0.0	385.2	
158	97.4	0.0	200.8	





#73

n-propylbenzene

Concen: 1.721 ug/l

RT: 10.91 min Scan# 2975

Delta R.T. -0.00 min

Lab File: VU039725.D

Acq: 30 Jul 2020 17:29

Instrument :

MSVOA_U

ClientSampleId :

VU0730WBS01

Tot Ion:120 Resp: 13319

Ion Ratio Lower Upper

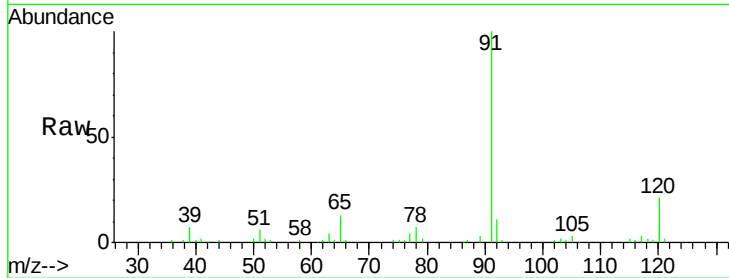
120 100

91 464.9 371.7 557.5

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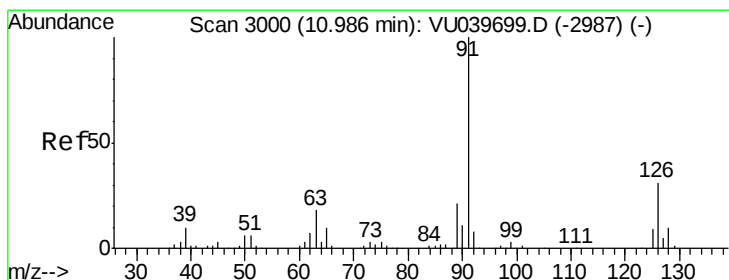
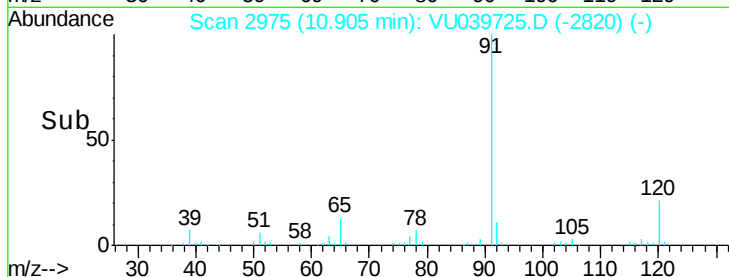
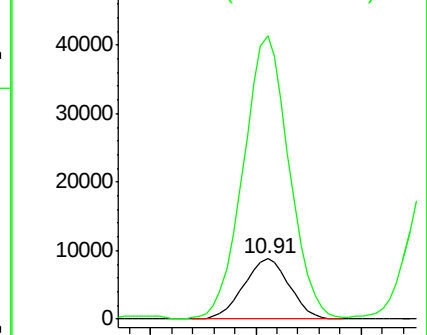
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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 1.802 ug/l

RT: 10.99 min Scan# 3000

Delta R.T. -0.00 min

Lab File: VU039725.D

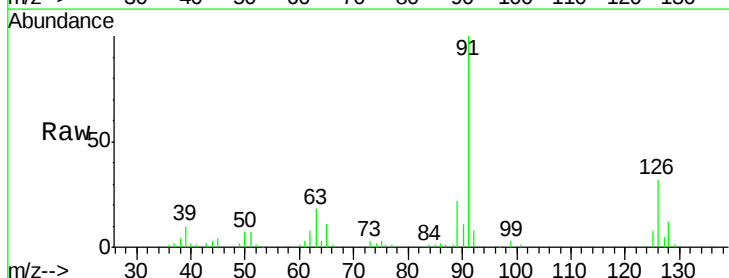
Acq: 30 Jul 2020 17:29

Tgt Ion:126 Resp: 11783

Ion Ratio Lower Upper

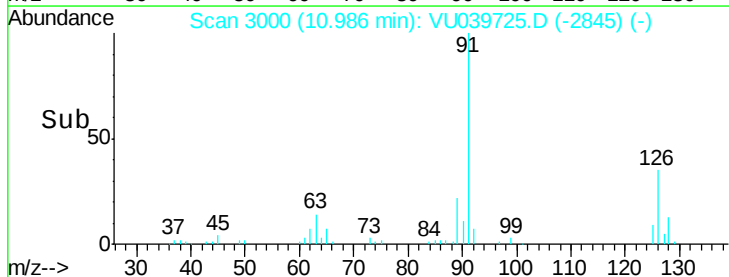
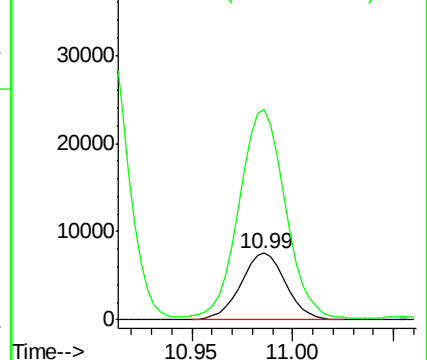
126 100

91 324.6 0.0 637.0



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: 1.766 ug/l

RT: 11.09 min Scan# 3032

Delta R.T. 0.00 min

Lab File: VU039725.D

Acq: 30 Jul 2020 17:29

Instrument :

MSVOA_U

ClientSampleId :

VU0730WBS01

Tot Ion:105 Resp: 42022

Ion Ratio Lower Upper

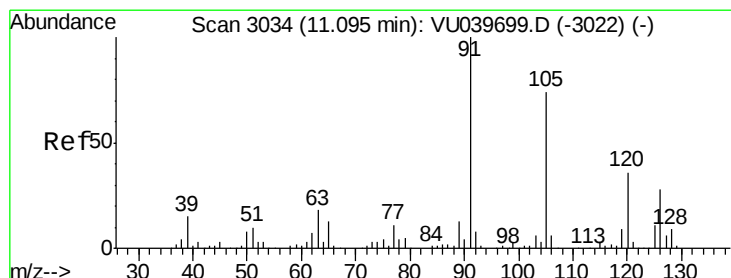
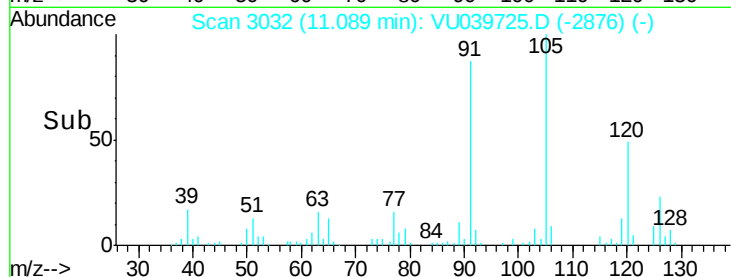
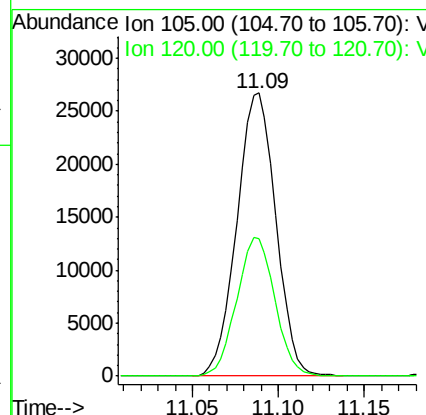
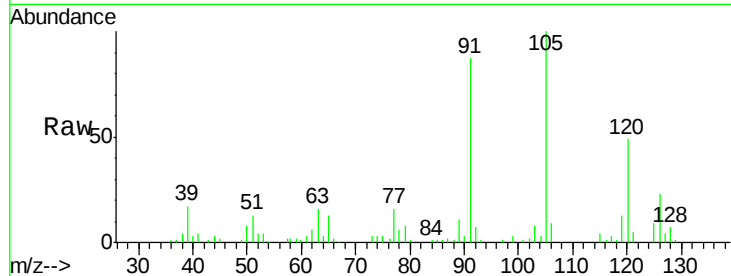
105 100

120 47.8 38.0 57.0

Manual Integrations
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#76

4-Chlorotoluene

Concen: 1.849 ug/l

RT: 11.10 min Scan# 3034

Delta R.T. -0.00 min

Lab File: VU039725.D

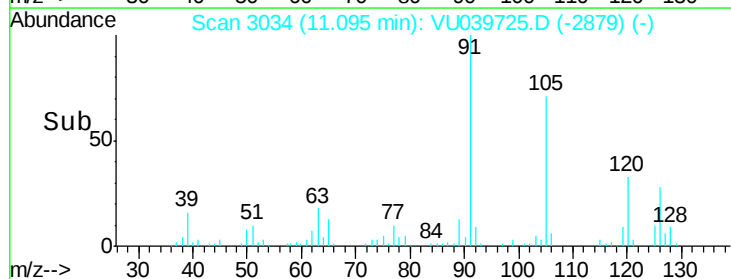
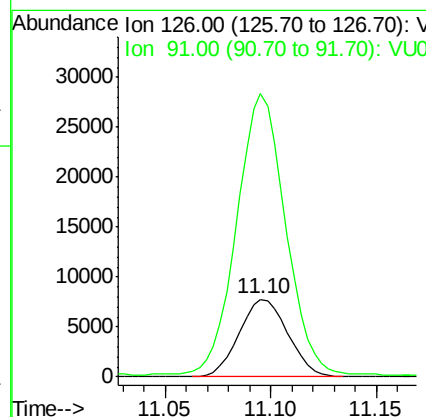
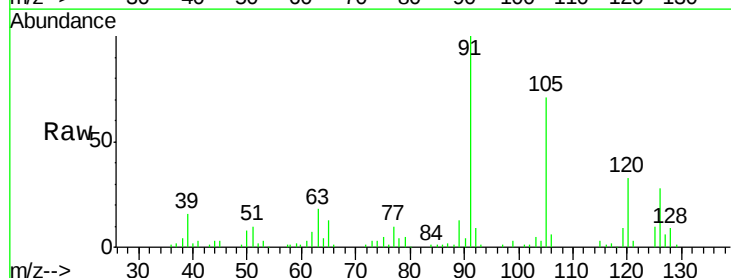
Acq: 30 Jul 2020 17:29

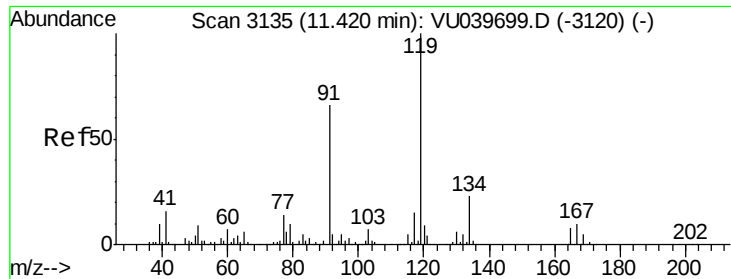
Tgt Ion:126 Resp: 12521

Ion Ratio Lower Upper

126 100

91 365.8 0.0 732.2





#77

tert-Butylbenzene

Concen: 1.706 ug/l

RT: 11.42 min Scan# 3135

Delta R.T. -0.00 min

Lab File: VU039725.D

Acq: 30 Jul 2020 17:29

Instrument :

MSVOA_U

ClientSampleId :

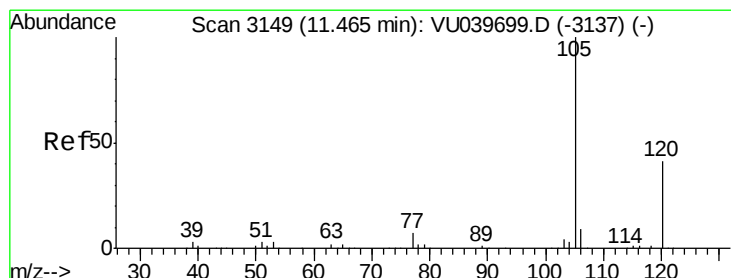
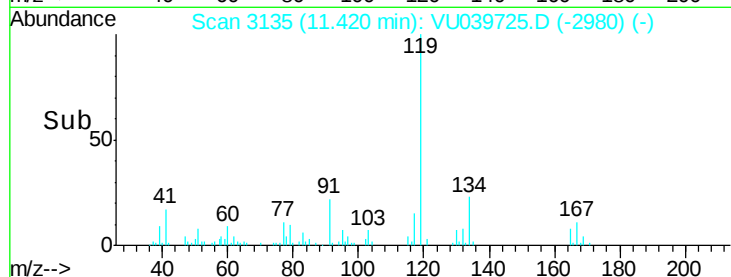
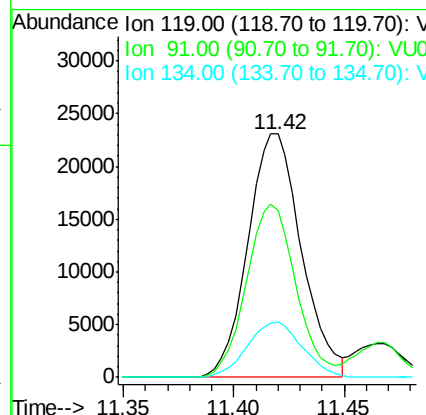
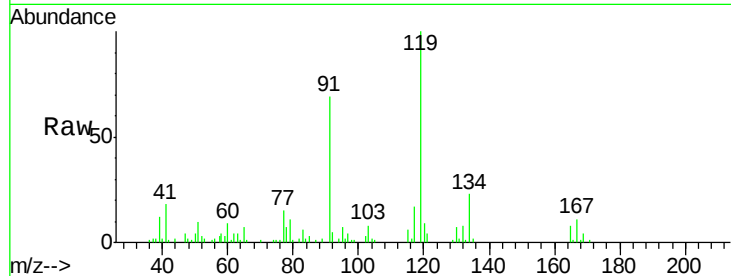
VU0730WBS01

Tot Ion:	119	Resp:	38956
Ion Ratio	Lower	Upper	
119	100		
91	65.7	31.9	95.5
134	23.2	18.2	27.4

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#78

1,2,4-Trimethylbenzene

Concen: 1.729 ug/l

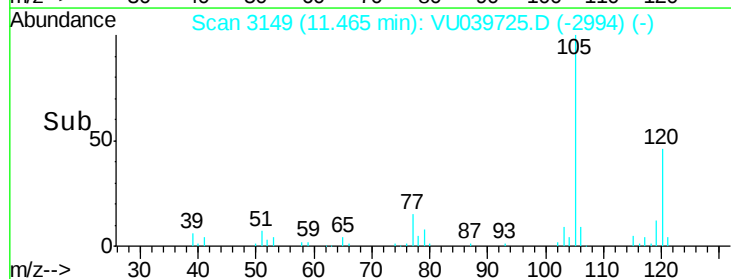
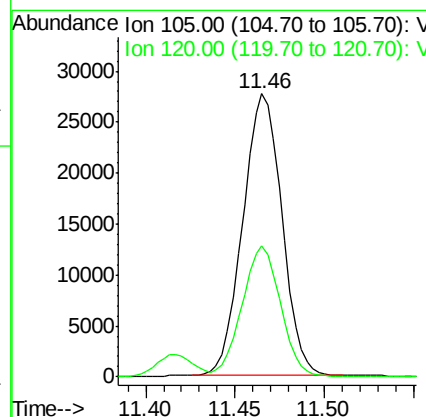
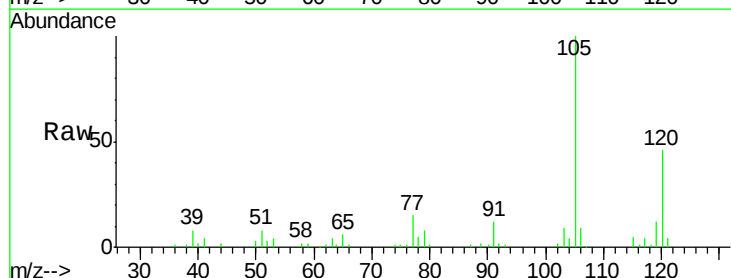
RT: 11.46 min Scan# 3149

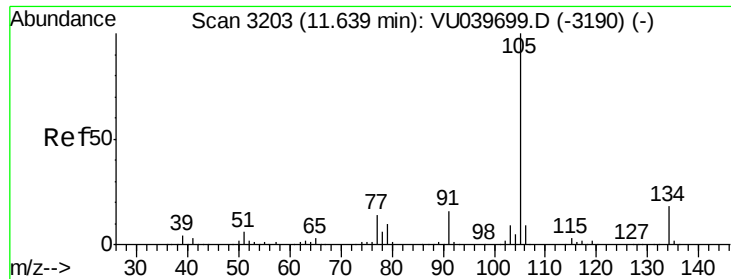
Delta R.T. -0.00 min

Lab File: VU039725.D

Acq: 30 Jul 2020 17:29

Tgt Ion:	105	Resp:	42192
Ion Ratio	Lower	Upper	
105	100		
120	45.8	22.7	68.0





#79
 sec-Butylbenzene
 Concen: 1.762 ug/l
 RT: 11.64 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU039725.D
 Acq: 30 Jul 2020 17:29

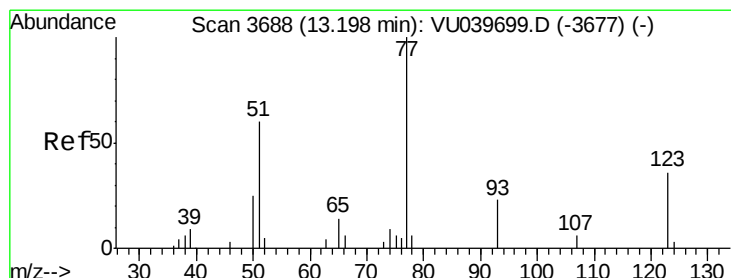
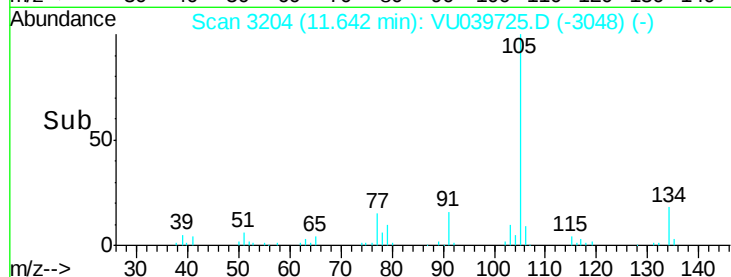
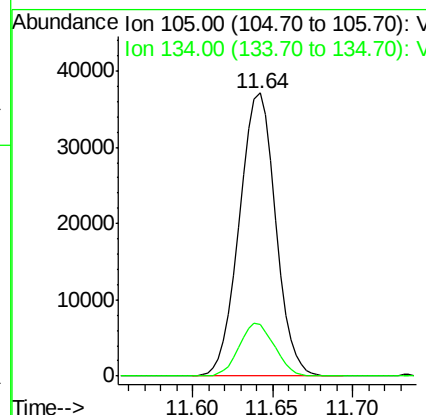
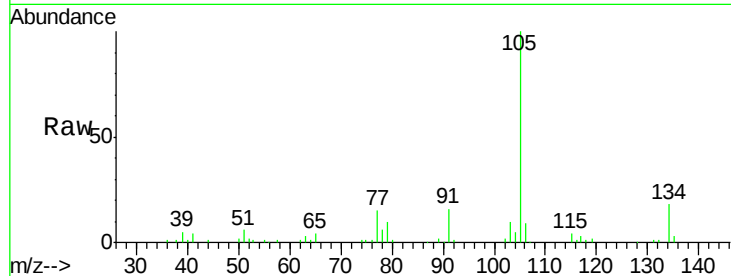
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0730WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.1	14.8	22.2

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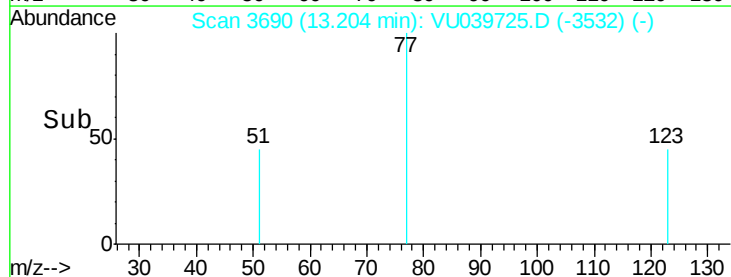
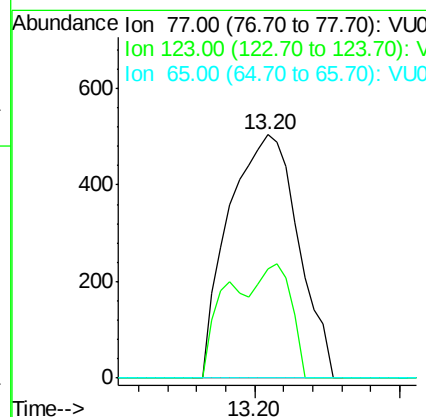
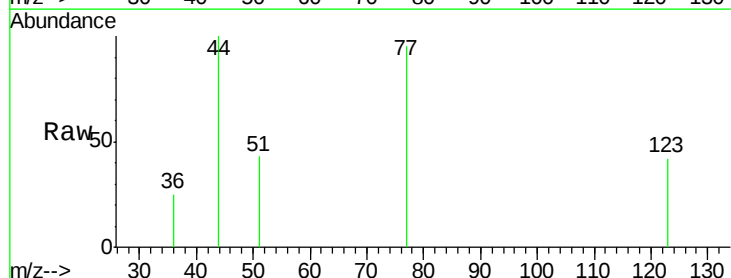
MMDadoda

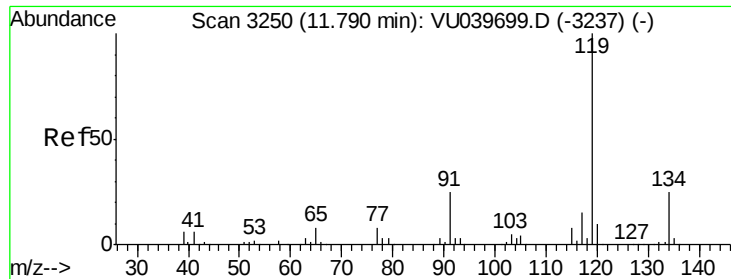
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#80
 Nitrobenzene
 Concen: 7.096 ug/l
 RT: 13.20 min Scan# 3690
 Delta R.T. 0.01 min
 Lab File: VU039725.D
 Acq: 30 Jul 2020 17:29

Tgt Ion	Ratio	Lower	Upper
77	100		
123	22.9	16.9	59.9
65	0.0	14.4	18.4#





#81
 p-Isopropyltoluene
 Concen: 1.693 ug/l
 RT: 11.79 min Scan# 3250
 Delta R.T. -0.00 min
 Lab File: VU039725.D
 Acq: 30 Jul 2020 17:29

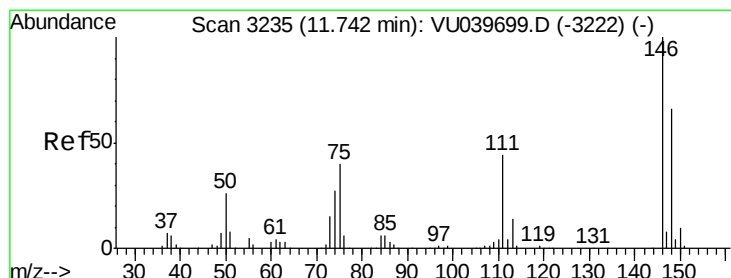
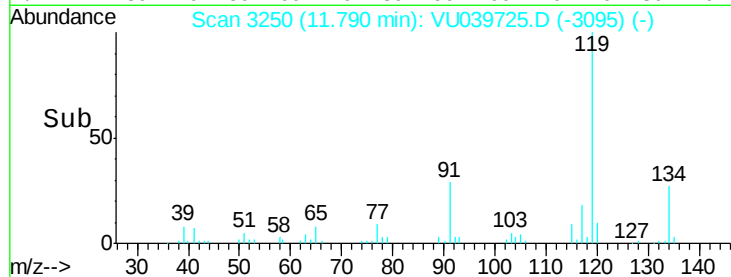
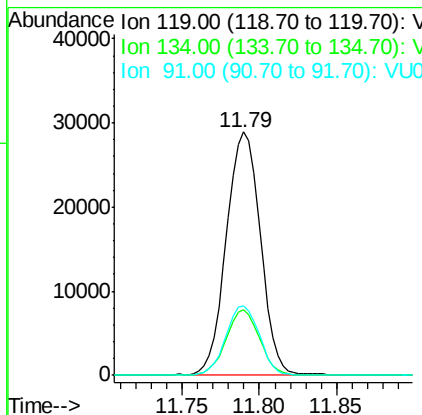
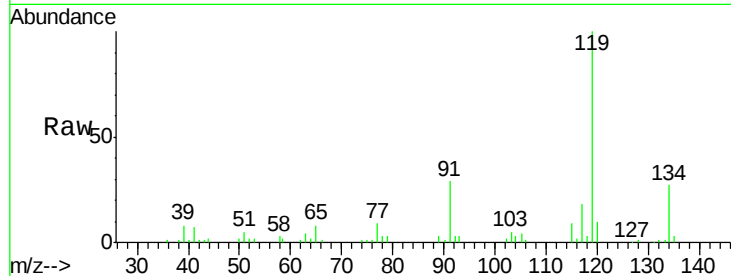
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0730WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.3	20.2	30.4
91	28.1	20.7	31.1

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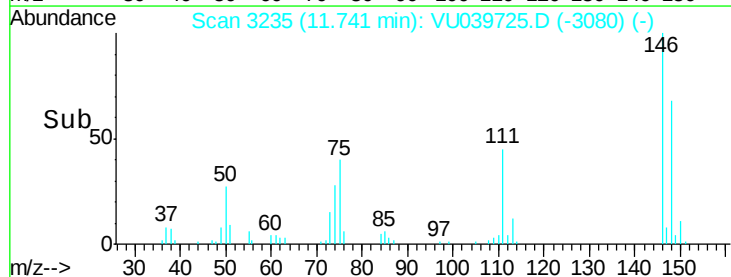
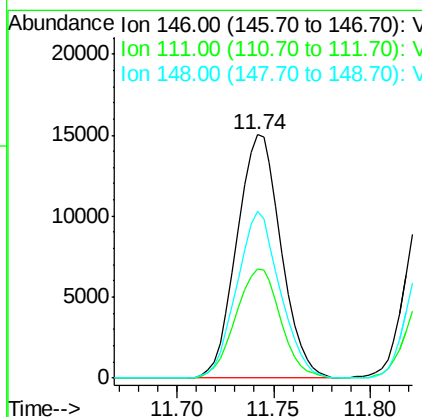
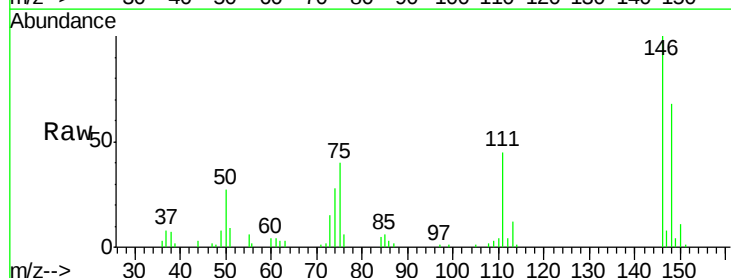
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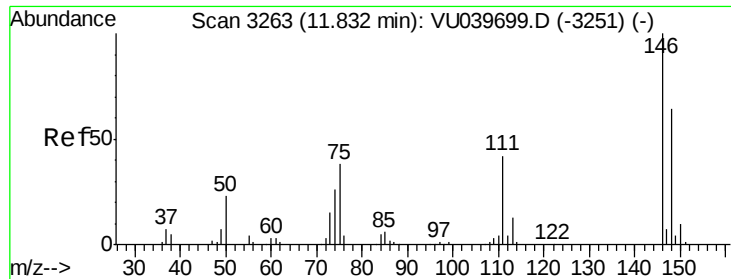
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#82
 1,3-Dichlorobenzene
 Concen: 1.774 ug/l
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU039725.D
 Acq: 30 Jul 2020 17:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.6	34.5	51.7
148	66.8	51.4	77.0





#83
 1,4-Dichlorobenzene
 Concen: 1.857 ug/l
 RT: 11.83 min Scan# 3264
 Delta R.T. 0.00 min
 Lab File: VU039725.D
 Acq: 30 Jul 2020 17:29

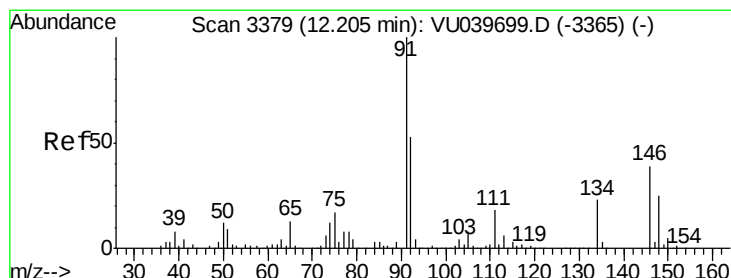
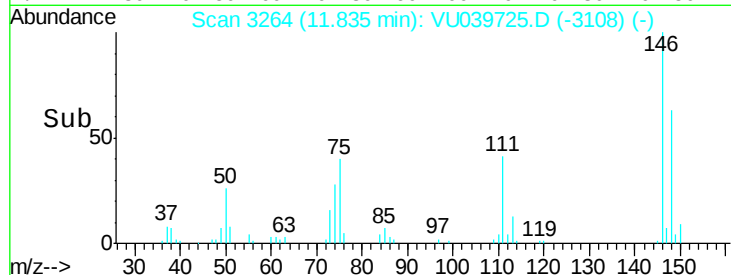
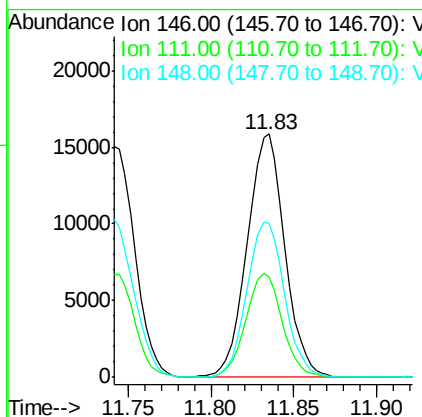
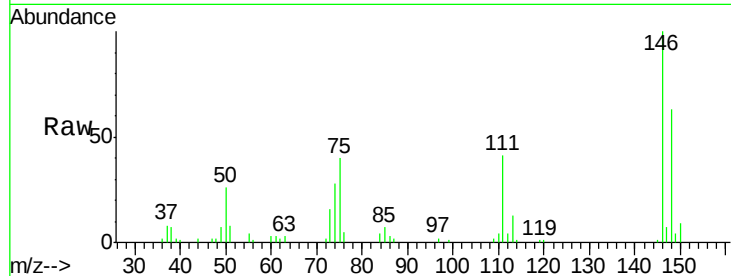
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0730WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	33.8	50.6
148	63.8	51.1	76.7

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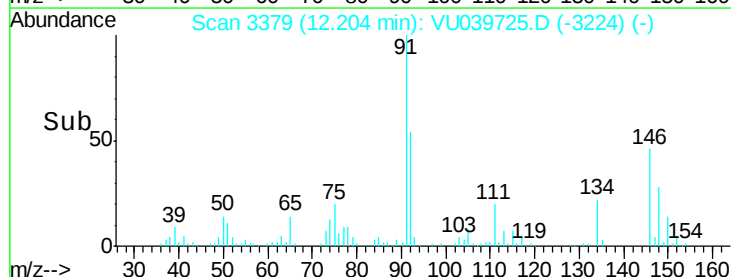
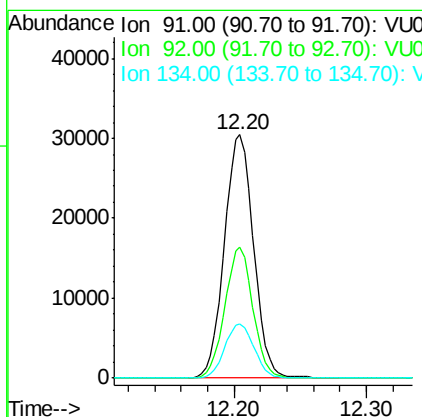
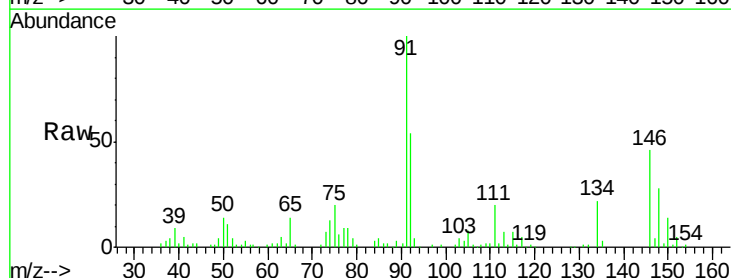
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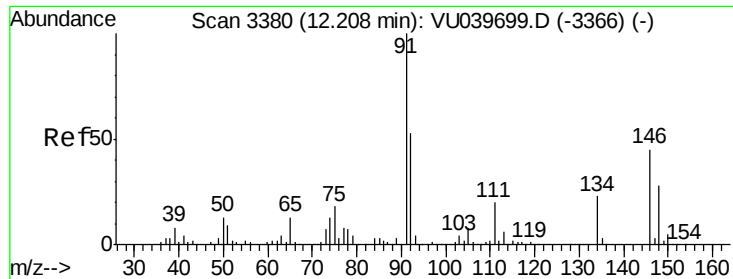
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#84
 n-Butylbenzene
 Concen: 1.673 ug/l
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU039725.D
 Acq: 30 Jul 2020 17:29

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.7	42.6	64.0
134	22.2	18.2	27.4





#85
 1,2-Dichlorobenzene
 Concen: 1.822 ug/l
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU039725.D
 Acq: 30 Jul 2020 17:29

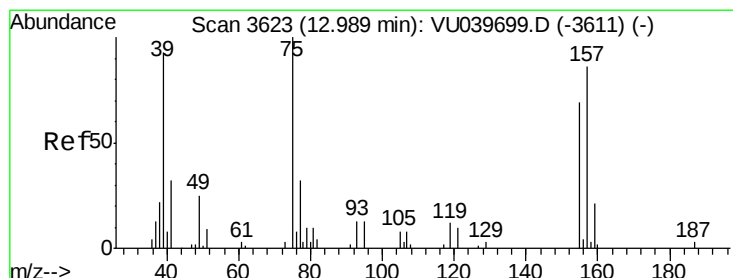
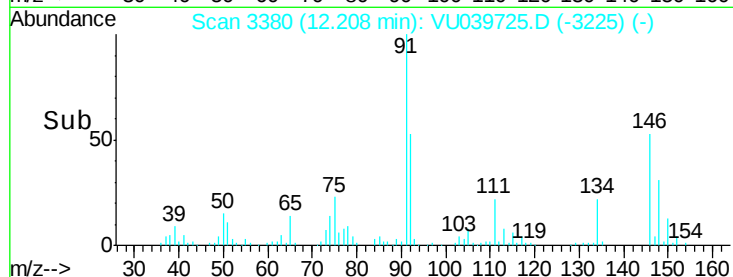
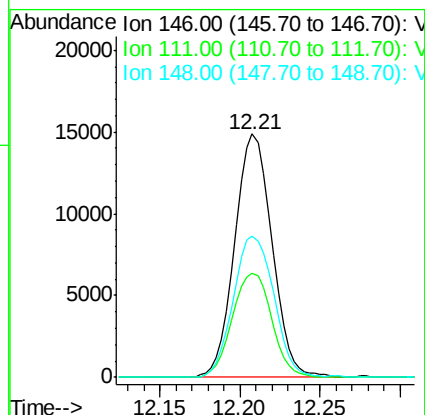
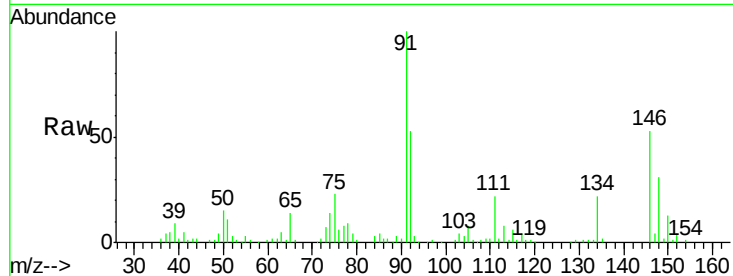
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0730WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	44.9	22.8	68.3	
148	62.7	31.7	95.1	

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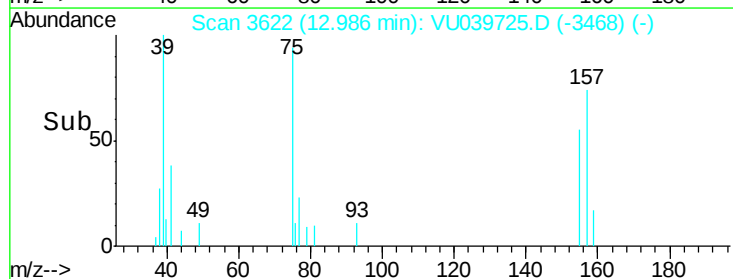
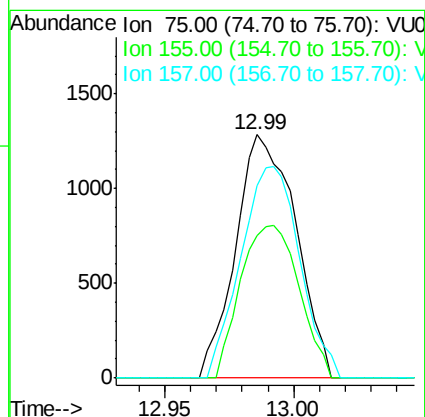
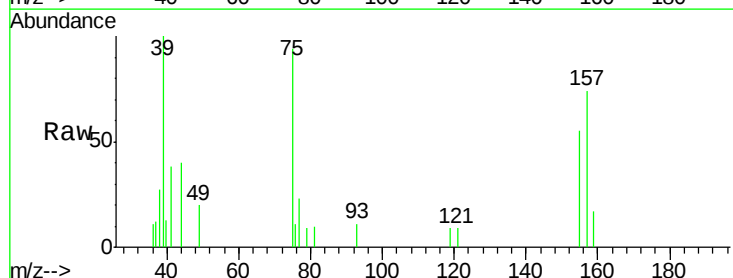
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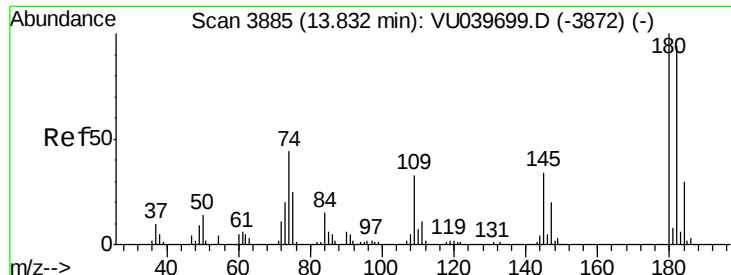
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 1.770 ug/l
 RT: 12.99 min Scan# 3622
 Delta R.T. -0.00 min
 Lab File: VU039725.D
 Acq: 30 Jul 2020 17:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	61.3	52.9	79.3	
157	85.7	67.8	101.6	





#87
 1,2,4-Trichlorobenzene
 Concen: 1.704 ug/l
 RT: 13.83 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VU039725.D
 Acq: 30 Jul 2020 17:29

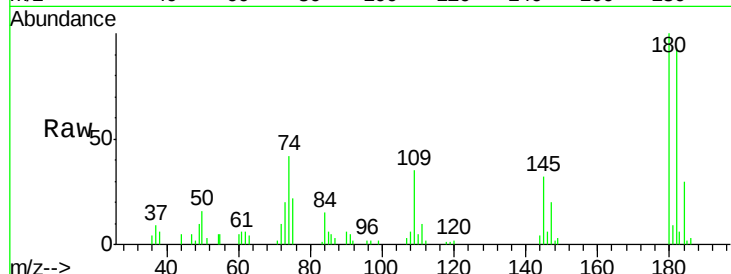
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0730WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.1	76.2	114.4
145	32.3	26.8	40.2

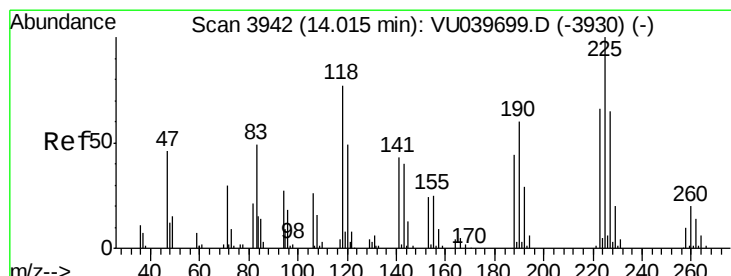
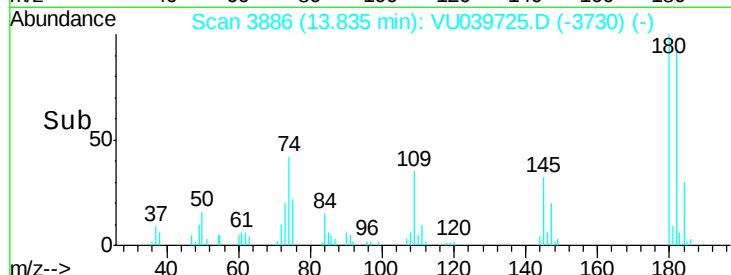
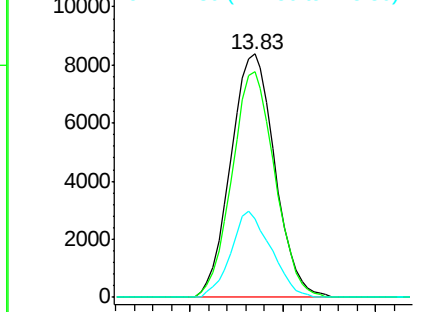
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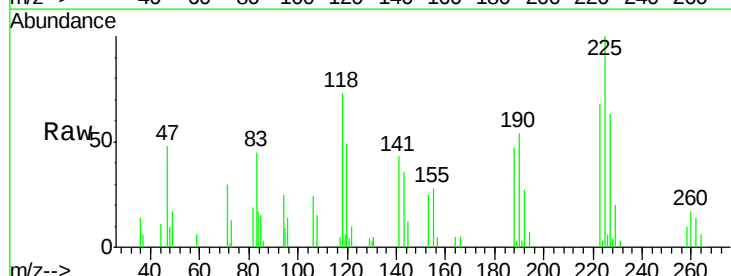


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

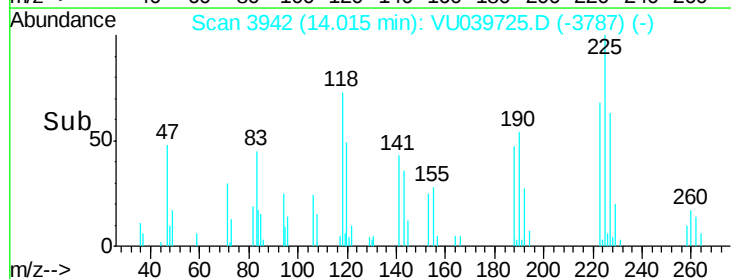
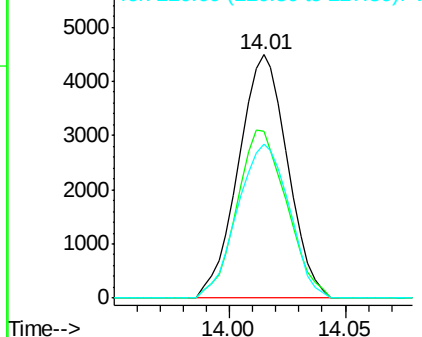


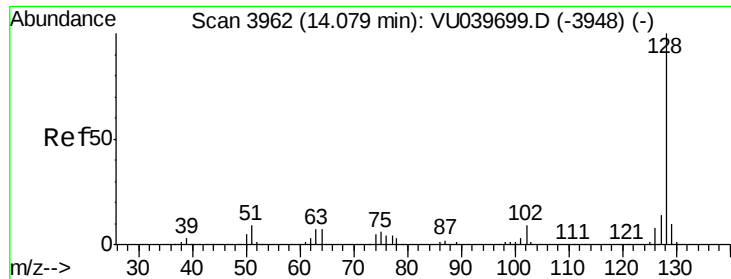
#88
 Hexachlorobutadiene
 Concen: 1.791 ug/l
 RT: 14.01 min Scan# 3942
 Delta R.T. -0.00 min
 Lab File: VU039725.D
 Acq: 30 Jul 2020 17:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	69.9	52.4	78.6
227	66.8	50.7	76.1



Abundance Ion 224.60 (224.30 to 225.30): V
 Ion 222.60 (222.30 to 223.30): V
 Ion 226.60 (226.30 to 227.30): V





#89
Naphthalene
Concen: 1.492 ug/l
RT: 14.08 min Scan# 3963
Delta R.T. 0.00 min
Lab File: VU039725.D
Acq: 30 Jul 2020 17:29

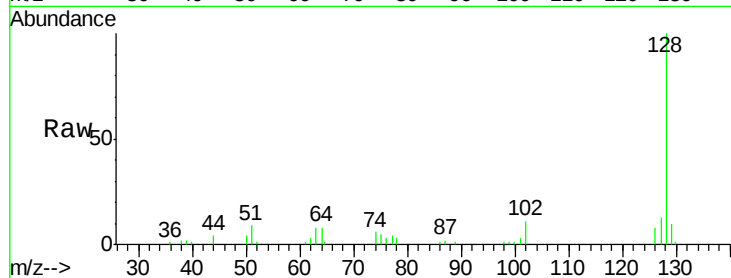
Instrument :
MSVOA_U
ClientSampleId :
VU0730WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.4	11.0	16.4
129	10.9	8.4	12.6

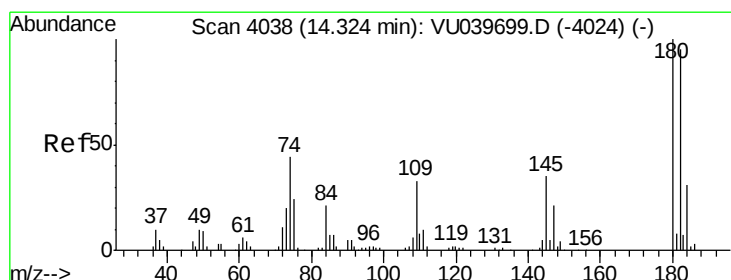
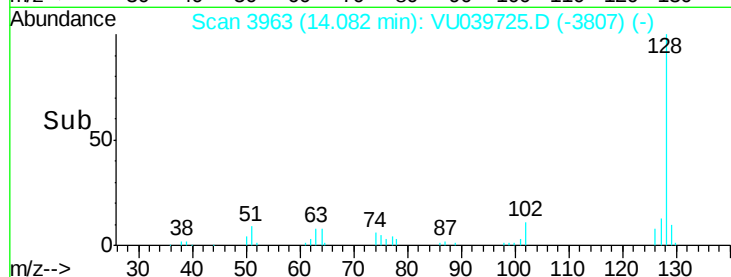
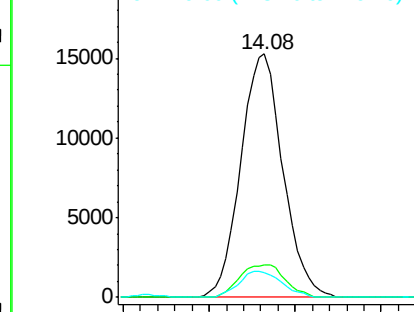
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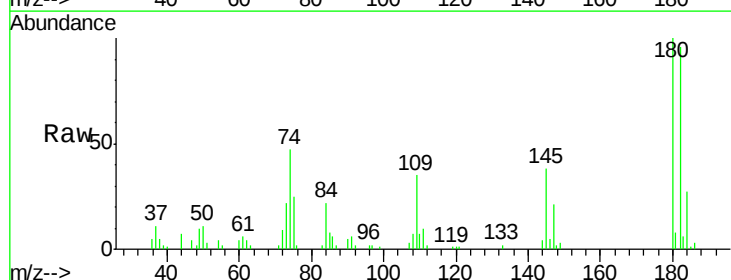


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#90
1,2,3-Trichlorobenzene
Concen: 1.660 ug/l
RT: 14.32 min Scan# 4038
Delta R.T. -0.00 min
Lab File: VU039725.D
Acq: 30 Jul 2020 17:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	76.0	114.0
145	37.1	27.8	41.6



Abundance Ion 179.70 (179.40 to 180.40): V
Ion 181.70 (181.40 to 182.40): V
Ion 144.80 (144.50 to 145.50): V

