

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031020\
 Data File : VU037143.D
 Acq On : 10 Mar 2020 09:41
 Operator : JC/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

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3/11/2020 3:32:03 PM

Quant Time: Mar 10 12:12:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U030920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Mar 10 12:09:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	6.15	96	16118	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.65	95	7609	1.22	ug/l	0.00
Spiked Amount 1.000			Recovery	=	122.00%	
68) 1,2-Dichlorobenzene-d4	12.21	152	6363	1.00	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.39	85	79191	10.064	ug/l	97
3) Chloromethane	1.54	50	73394	9.382	ug/l	100
4) Vinyl Chloride	1.62	62	68203	9.919	ug/l	98
5) Bromomethane	1.87	94	22705	9.468	ug/l	99
6) Chloroethane	1.95	64	31699	9.622	ug/l	99
7) Trichlorofluoromethane	2.16	101	85220	10.199	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.61	101	40617	10.361	ug/l	94
9) 1,1-Dichloroethene	2.60	96	38648	10.369	ug/l	78
10) Iodomethane	2.75	142	30531	13.744	ug/l #	75
11) Allyl Chloride	2.95	41	73237	10.135	ug/l #	64
12) Acrylonitrile	3.36	53	21437	24.315	ug/l	97
13) Acetone	2.67	43	52724	53.805	ug/l #	80
14) Carbon Disulfide	2.82	76	125955	10.146	ug/l	99
15) Methylene Chloride	3.08	84	43009	9.191	ug/l #	79
16) trans-1,2-Dichloroethene	3.38	96	41251	10.421	ug/l	87
17) 1,1-Dichloroethane	3.91	63	92128	10.039	ug/l	98
18) 2-Butanone	4.77	43	80940	54.040	ug/l	97
19) Cyclohexane	5.42	56	82160m	10.513	ug/l	
20) Methylcyclohexane	6.79	83	81160	10.514	ug/l #	88
21) 2,2-Dichloropropane	4.71	77	85342	10.192	ug/l	95
22) cis-1,2-Dichloroethene	4.71	96	51587	10.522	ug/l	84
23) Diethyl Ether	2.40	59	32973	10.443	ug/l	89
24) tert-Butyl Alcohol	3.27	59	39789	115.259	ug/l	98
25) Methyl tert-Butyl Ether	3.41	73	115483	10.574	ug/l #	73
26) Bromochloromethane	5.02	128	22644	10.494	ug/l	83
27) Chloroform	5.13	83	96796	9.795	ug/l	99
28) 1,1,1-Trichloroethane	5.35	97	85476	10.146	ug/l	95
29) 1,1-Dichloropropene	5.56	75	72081	10.530	ug/l	97
30) Carbon Tetrachloride	5.56	117	76761	10.413	ug/l	99
31) Isopropyl Ether	4.05	45	149412	10.199	ug/l	86
32) Ethyl-t-butyl ether	4.56	59	143622	10.385	ug/l	94
33) Tert-Amyl methyl ether	5.98	73	125058	10.537	ug/l	99
34) Propionitrile	4.84	54	23219	58.940	ug/l #	96
35) Benzene	5.81	78	198088	10.186	ug/l	98
36) 1,2-Dichloroethane	5.83	62	71273	10.110	ug/l #	92
37) Trichloroethene	6.57	130	51951	10.181	ug/l	97
38) 1,2-Dichloropropane	6.83	63	55121	10.326	ug/l	99
39) Methacrylonitrile	5.02	41	20200	10.628	ug/l #	85
40) Methyl acrylate	4.90	55	29501	11.224	ug/l #	94
41) Tetrahydrofuran	5.11	42	20715	21.845	ug/l #	85
42) 1-Chlorobutane	5.49	56	103287	10.475	ug/l	85

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Manual Integrations
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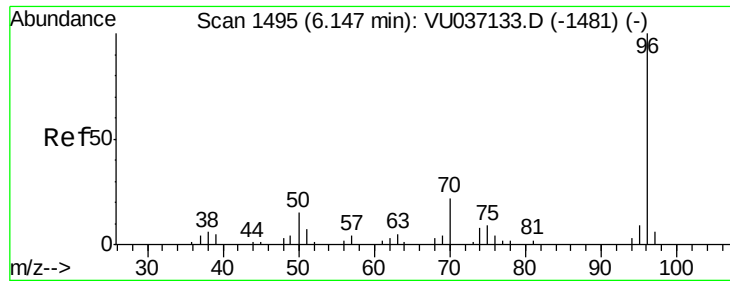
3/11/2020 3:32:03 PM

Quant Time: Mar 10 12:12:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U030920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Mar 10 12:09:07 2020
 Response via : Initial Calibration

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

43) Dibromomethane	6.95	93	30071	10.991	ug/l	89
44) Bromodichloromethane	7.14	83	74401	10.445	ug/l	100
45) 4-Methyl-2-Pentanone	7.83	43	200720	54.707	ug/l #	87
46) t-1,4-Dichloro-2-butene	10.86	75	24603m	24.499	ug/l	
47) Methyl methacrylate	7.00	69	52354	23.152	ug/l #	67
48) Ethyl methacrylate	8.36	69	49510	11.082	ug/l	71
49) Toluene	8.00	92	124196	10.576	ug/l	99
50) t-1,3-Dichloropropene	8.24	75	69664	10.856	ug/l	98
51) cis-1,3-Dichloropropene	7.64	75	77511	10.576	ug/l #	79
52) 1,1,2-Trichloroethane	8.43	97	39261	10.756	ug/l	99
53) 1,3-Dichloropropane	8.60	76	67462	10.420	ug/l	100
54) 2-Hexanone	8.72	43	144230	57.062	ug/l	87
55) Dibromochloromethane	8.83	129	48702	10.779	ug/l	99
56) 1,2-Dibromoethane	8.95	107	37917	10.969	ug/l	98
58) Tetrachloroethene	8.58	164	48462	10.119	ug/l	93
59) Chlorobenzene	9.47	112	134560	10.266	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.56	131	49494	10.316	ug/l	97
61) Pentachloroethane	11.45	117	37134	10.145	ug/l	94
62) Hexachloroethane	12.49	117	41641	10.627	ug/l	83
63) Ethyl Benzene	9.59	91	243089	10.865	ug/l	95
64) m/p-Xylenes	9.72	106	186345	22.001	ug/l	90
65) o-Xylene	10.12	106	88796	10.865	ug/l	90
66) Styrene	10.13	104	152081	11.369	ug/l	95
67) Bromoform	10.31	173	26664	11.180	ug/l #	97
69) Isopropylbenzene	10.50	105	241471	10.840	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.80	83	51886	10.807	ug/l	95
71) 1,2,3-Trichloropropane	10.85	75	47213m	12.028	ug/l	
72) Bromobenzene	10.80	156	55389	10.276	ug/l	89
73) n-propylbenzene	10.92	120	67118	11.366	ug/l	81
74) 2-Chlorotoluene	11.01	126	58246	10.897	ug/l	89
75) 1,3,5-Trimethylbenzene	11.10	105	214585	11.126	ug/l	95
76) 4-Chlorotoluene	11.11	126	60297	11.206	ug/l	80
77) tert-Butylbenzene	11.44	119	199237	10.597	ug/l	92
78) 1,2,4-Trimethylbenzene	11.48	105	222922	11.450	ug/l	94
79) sec-Butylbenzene	11.66	105	278390	10.882	ug/l	99
80) Nitrobenzene	13.24	77	5068	48.225	ug/l	91
81) p-Isopropyltoluene	11.81	119	229656	11.390	ug/l	95
82) 1,3-Dichlorobenzene	11.76	146	112597	10.543	ug/l	98
83) 1,4-Dichlorobenzene	11.85	146	113888	10.525	ug/l	98
84) n-Butylbenzene	12.22	91	222313	11.639	ug/l	96
85) 1,2-Dichlorobenzene	12.23	146	108238	10.473	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	13.02	75	9664	11.405	ug/l #	77
87) 1,2,4-Trichlorobenzene	13.88	180	61565	11.852	ug/l	97
88) Hexachlorobutadiene	14.06	225	33451	10.406	ug/l	100
89) Naphthalene	14.12	128	111261	10.482	ug/l	99
90) 1,2,3-Trichlorobenzene	14.37	180	59796	11.828	ug/l	98

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.15 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VU037143.D

Acq: 10 Mar 2020 09:41

Instrument :

MSVOA_U

ClientSampleId :

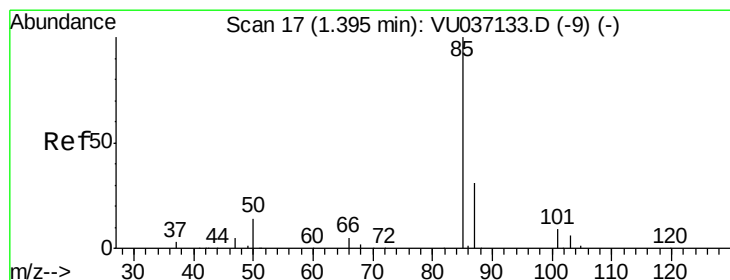
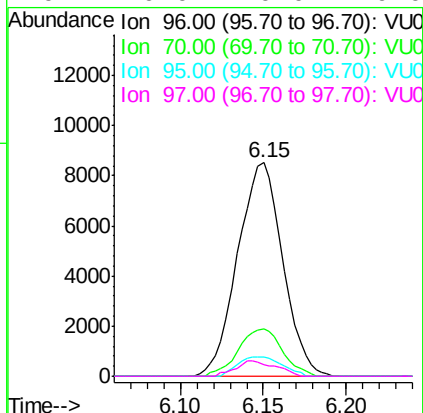
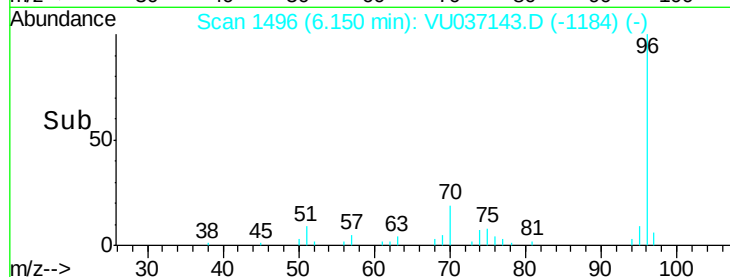
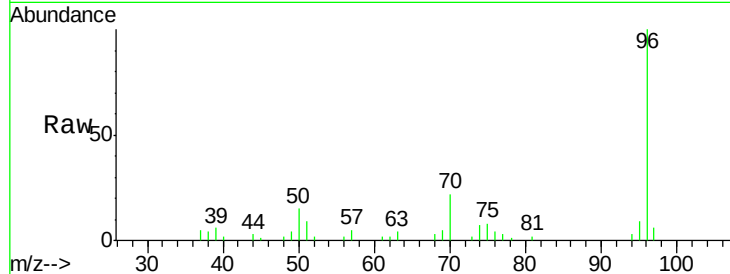
VSTDCCC010

Tot Ion:	96	Resp:	16118
Ion	Ratio	Lower	Upper
96	100		
70	21.8	15.6	23.4
95	8.9	7.0	10.6
97	0.0	0.0	0.0

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#2

Dichlorodifluoromethane

Concen: 10.064 ug/l

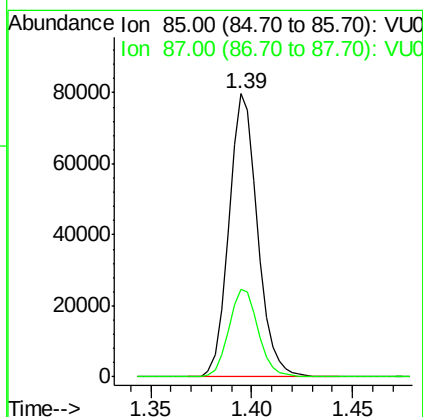
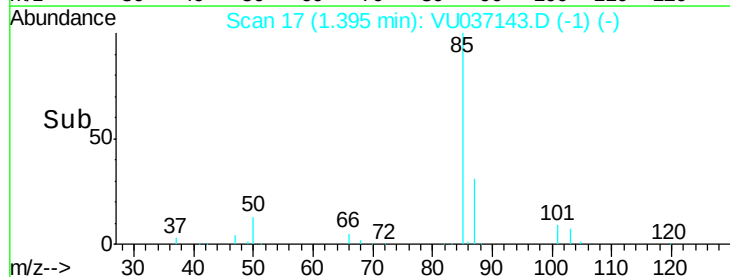
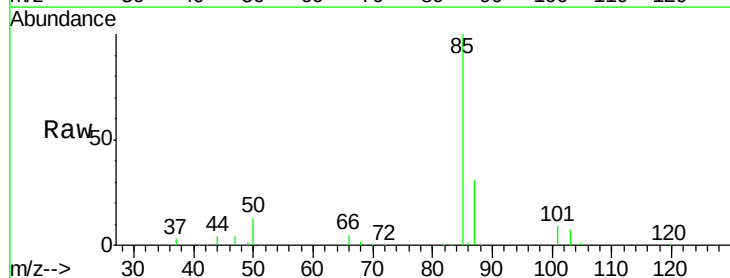
RT: 1.39 min Scan# 17

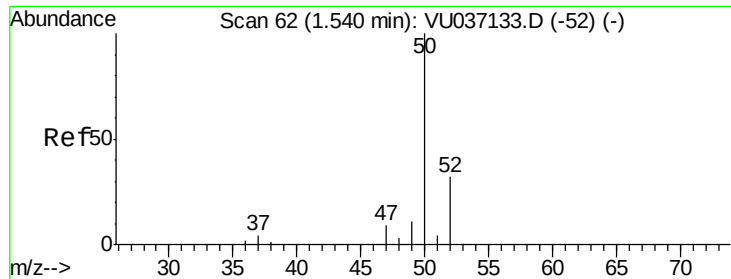
Delta R.T. -0.00 min

Lab File: VU037143.D

Acq: 10 Mar 2020 09:41

Tgt Ion:	85	Resp:	79191
Ion	Ratio	Lower	Upper
85	100		
87	31.0	16.4	49.2





#3

Chloromethane

Concen: 9.382 ug/l

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU037143.D

Acq: 10 Mar 2020 09:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 50 Resp: 73394

Ion Ratio Lower Upper

50 100

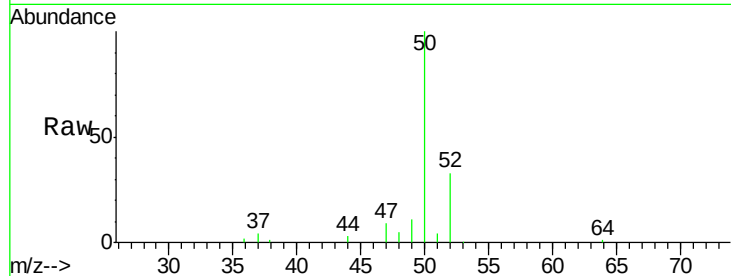
52 32.7 26.0 39.0

Manual Integrations

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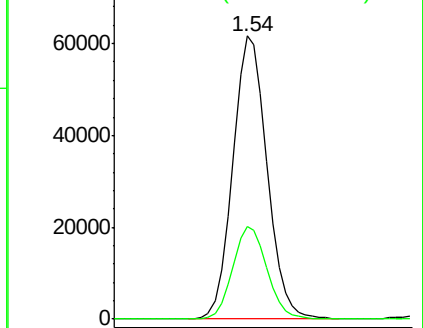
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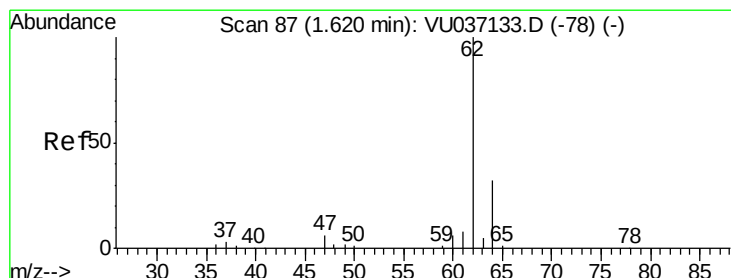
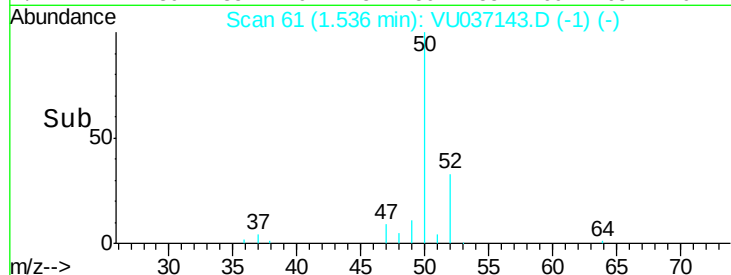


Abundance Ion 50.00 (49.70 to 50.70): VU037143.D (-52) (-)

Ion 52.00 (51.70 to 52.70): VU037143.D (-52) (-)



Time-->



#4

Vinyl Chloride

Concen: 9.919 ug/l

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037143.D

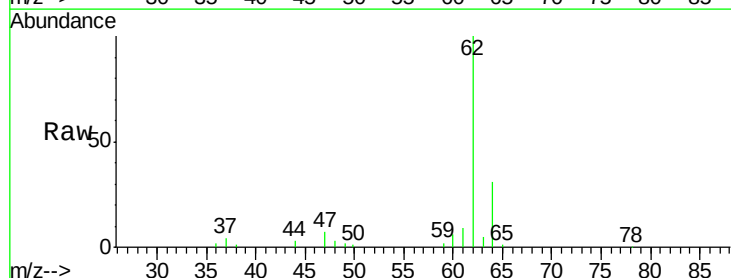
Acq: 10 Mar 2020 09:41

Tgt Ion: 62 Resp: 68203

Ion Ratio Lower Upper

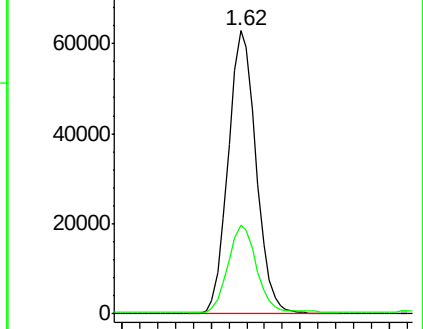
62 100

64 30.8 25.4 38.2

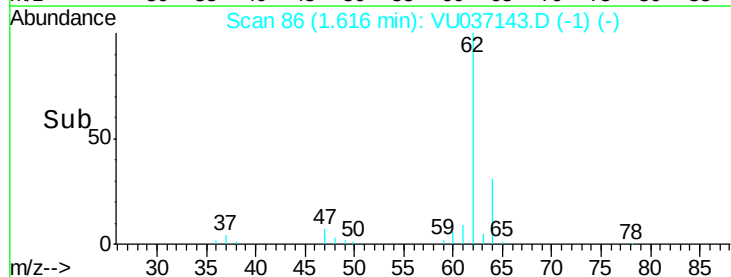


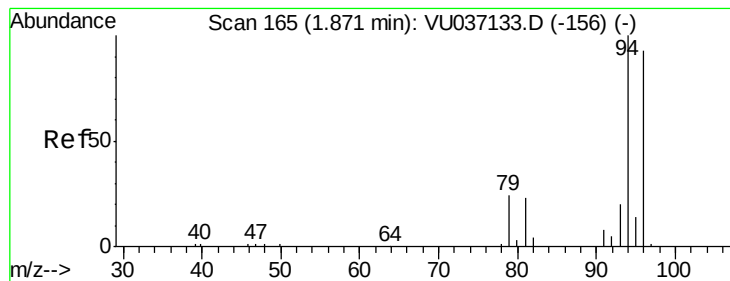
Abundance Ion 62.00 (61.70 to 62.70): VU037143.D (-78) (-)

Ion 64.00 (63.70 to 64.70): VU037143.D (-78) (-)



Time-->





#5

Bromomethane

Concen: 9.468 ug/l

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU037143.D

Acq: 10 Mar 2020 09:41

Tot Ion: 94 Resp: 22705

Ion Ratio Lower Upper

94 100

96 94.1 74.6 112.0

Instrument :

MSVOA_U

ClientSampleId :

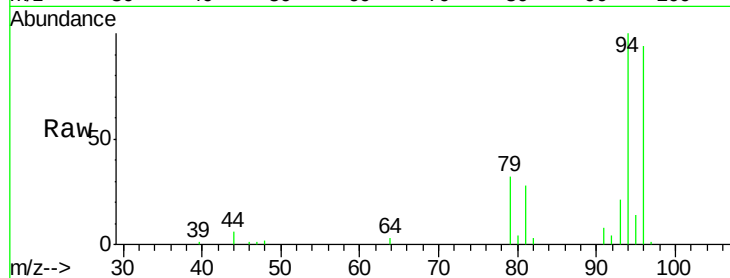
VSTDCCC010

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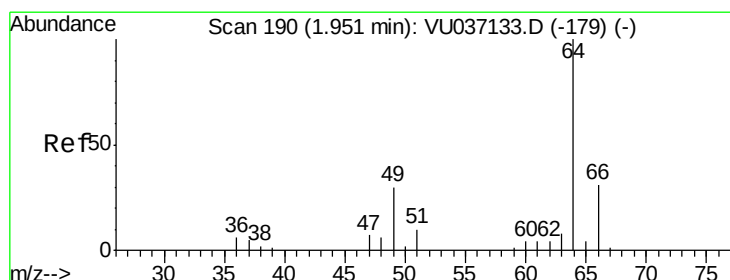
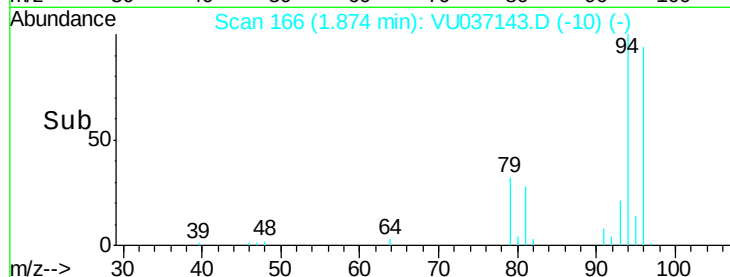
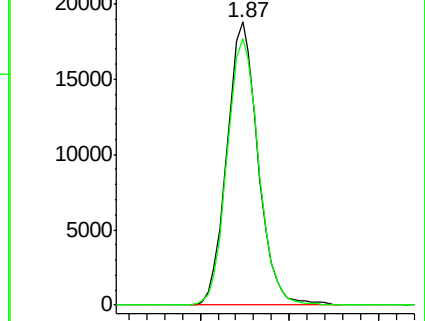
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Abundance Ion 94.00 (93.70 to 94.70): VU037143.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU037143.D (-156) (-)



#6

Chloroethane

Concen: 9.622 ug/l

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU037143.D

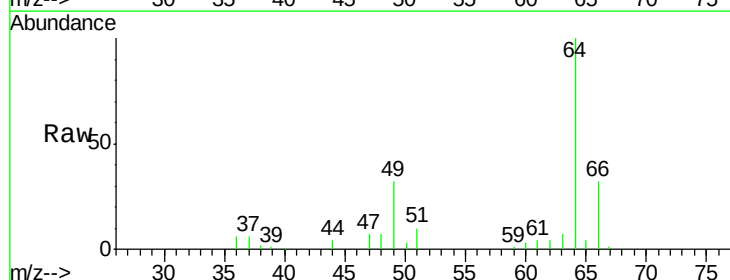
Acq: 10 Mar 2020 09:41

Tgt Ion: 64 Resp: 31699

Ion Ratio Lower Upper

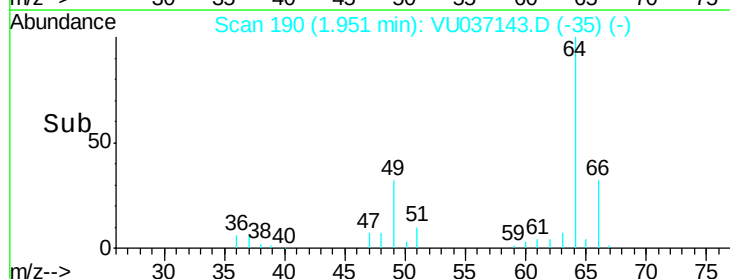
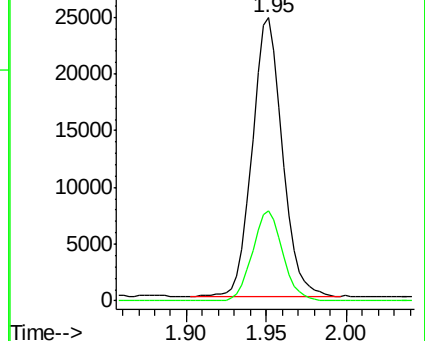
64 100

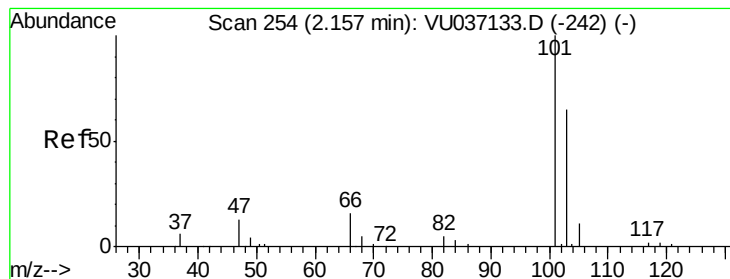
66 32.5 25.5 38.3



Abundance Ion 64.00 (63.70 to 64.70): VU037143.D (-179) (-)

Ion 66.00 (65.70 to 66.70): VU037143.D (-179) (-)





#7

Trichlorofluoromethane
Concen: 10.199 ug/l
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU037143.D
Acq: 10 Mar 2020 09:41

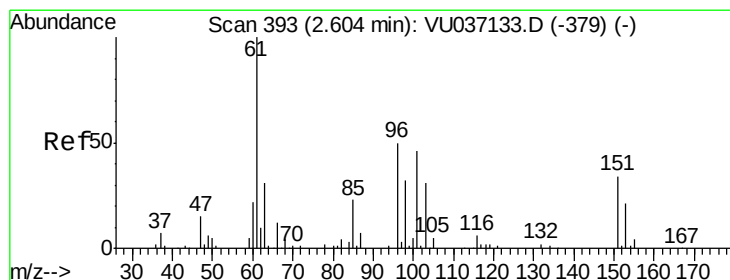
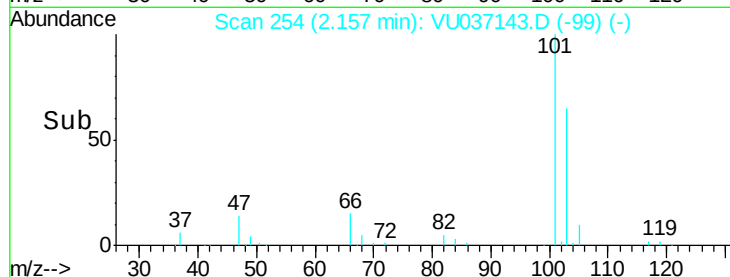
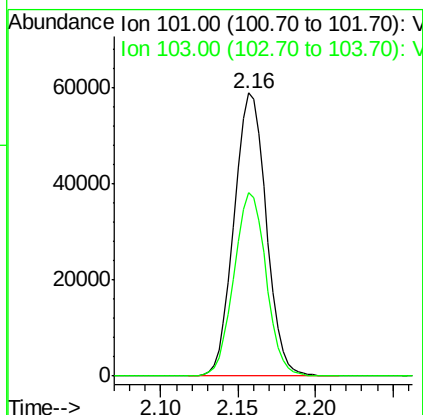
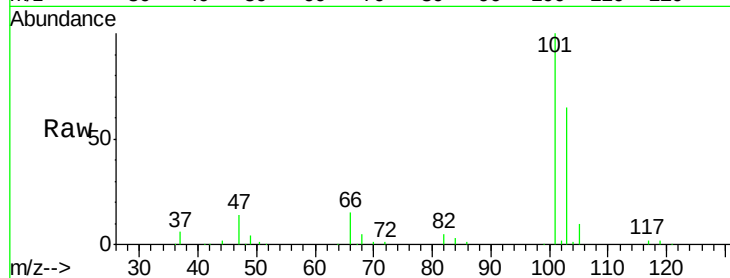
Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	53.0	79.6

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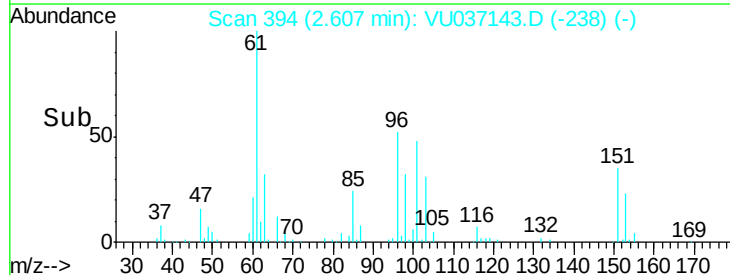
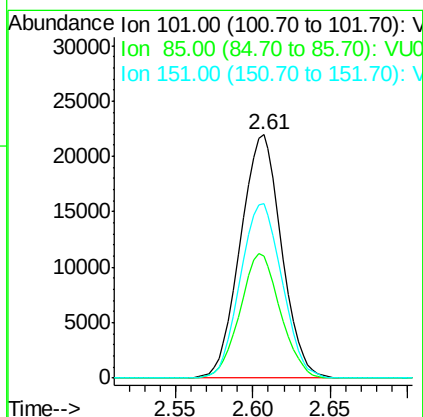
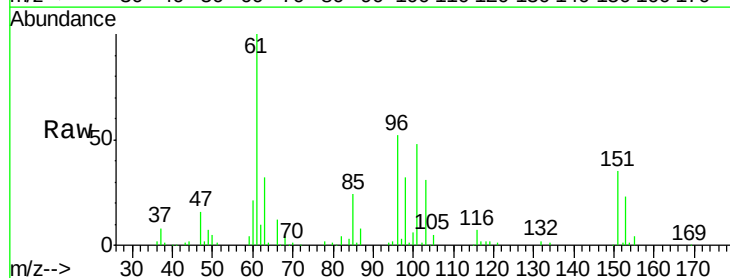
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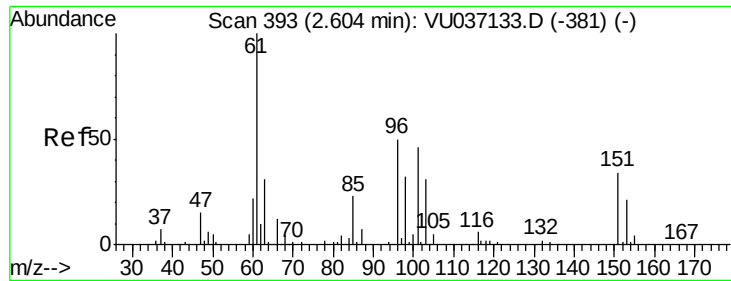


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 10.361 ug/l
RT: 2.61 min Scan# 394
Delta R.T. 0.00 min
Lab File: VU037143.D
Acq: 10 Mar 2020 09:41

Tgt Ion	Ratio	Lower	Upper
101	100		
85	50.2	33.9	50.9
151	73.1	59.8	89.8





#9

1,1-Dichloroethene

Concen: 10.369 ug/l

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037143.D

Acq: 10 Mar 2020 09:41

Instrument :

MSVOA_U

ClientSampleId :

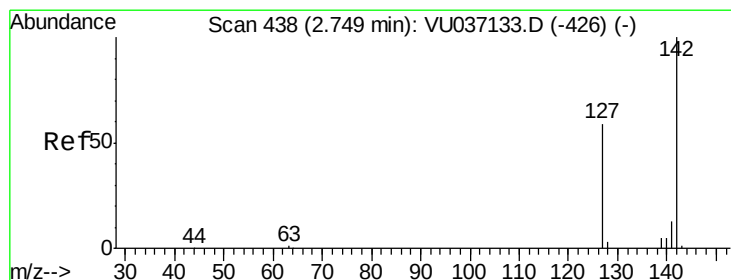
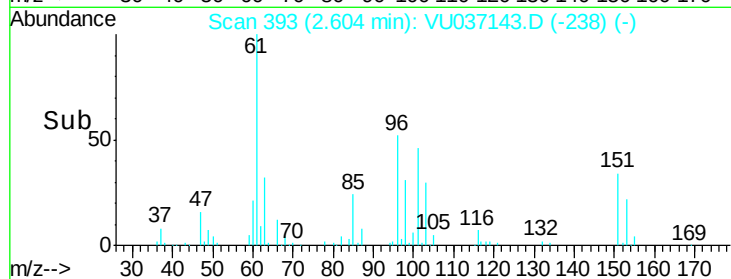
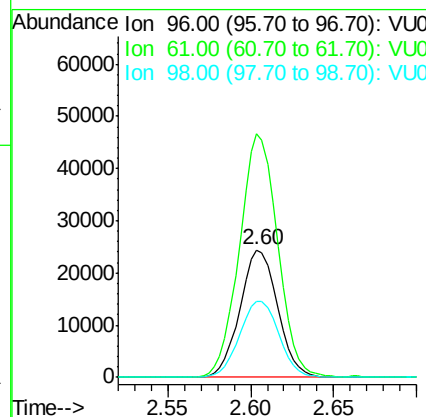
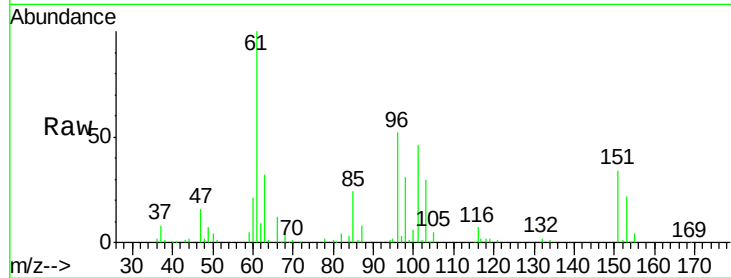
VSTDCCC010

Tot Ion:	96	Resp:	38648
Ion Ratio	Lower	Upper	
96	100		
61	190.9	0.0	463.2
98	59.8	0.0	130.0

Manual Integrations
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#10

Iodomethane

Concen: 13.744 ug/l

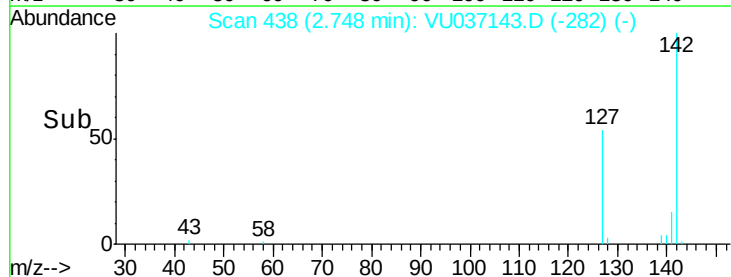
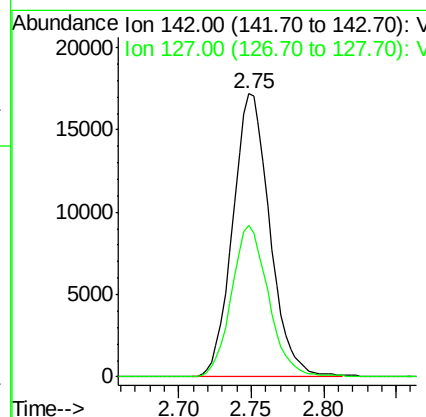
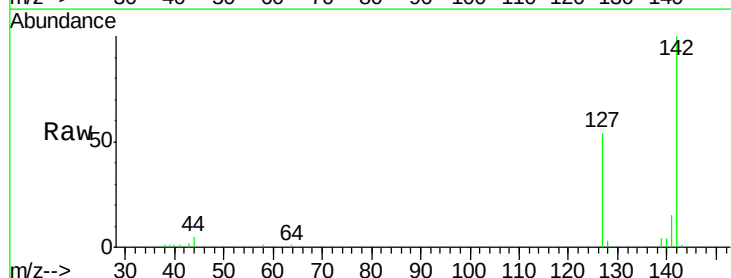
RT: 2.75 min Scan# 438

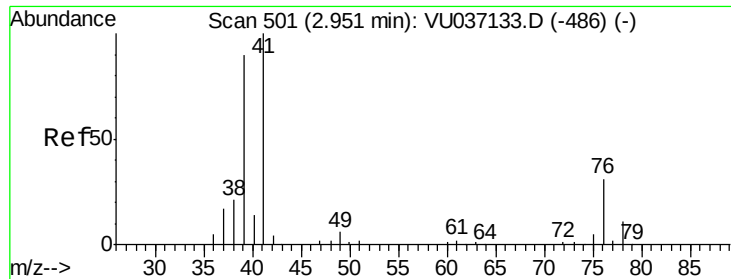
Delta R.T. 0.00 min

Lab File: VU037143.D

Acq: 10 Mar 2020 09:41

Tgt Ion:	142	Resp:	30531
Ion Ratio	Lower	Upper	
142	100		
127	53.3	30.3	45.5#





#11
Allvl Chloride
Concen: 10.135 ug/l
RT: 2.95 min Scan# 501
Delta R.T. -0.00 min
Lab File: VU037143.D
Acq: 10 Mar 2020 09:41

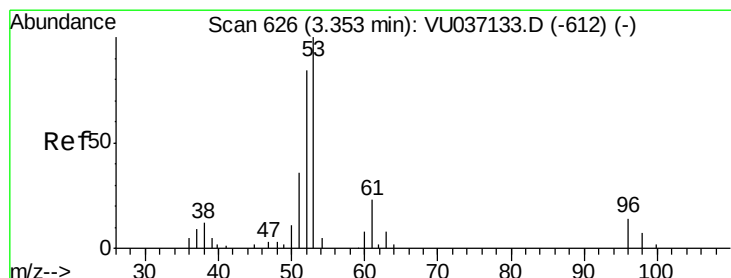
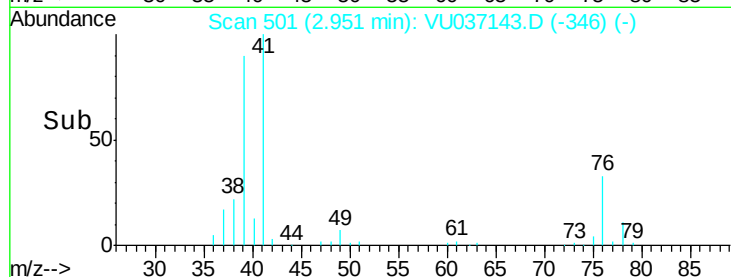
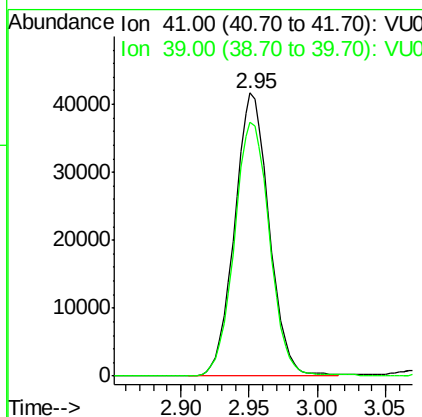
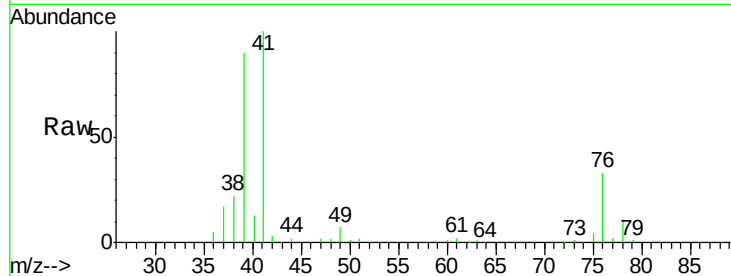
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion: 41 Resp: 73237
Ion Ratio Lower Upper
41 100
39 91.6 50.7 76.1#

Manual Integrations
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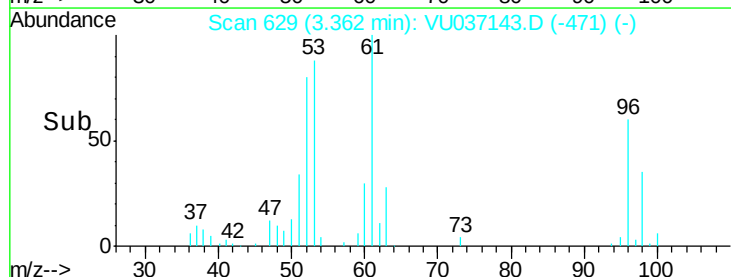
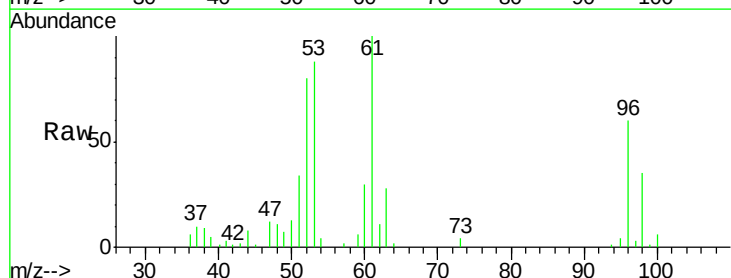
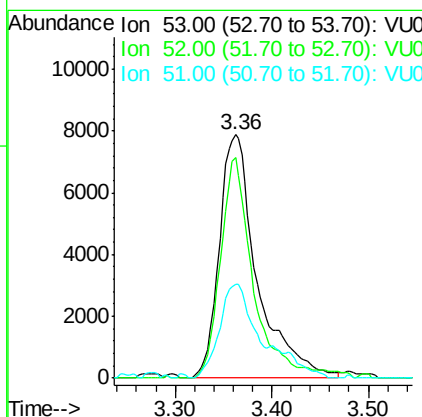
sam

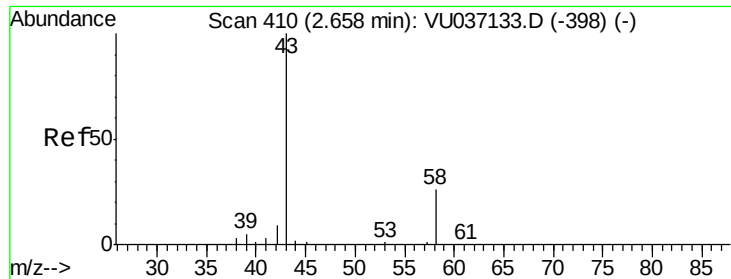
3/11/2020 3:32:03 PM



#12
Acrylonitrile
Concen: 24.315 ug/l
RT: 3.36 min Scan# 629
Delta R.T. 0.01 min
Lab File: VU037143.D
Acq: 10 Mar 2020 09:41

Tgt Ion: 53 Resp: 21437
Ion Ratio Lower Upper
53 100
52 77.7 64.6 97.0
51 33.8 27.2 40.8





#13

Acetone

Concen: 53.805 ug/l

RT: 2.67 min Scan# 413

Delta R.T. 0.01 min

Lab File: VU037143.D

Acq: 10 Mar 2020 09:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 52724

Ion Ratio Lower Upper

43 100

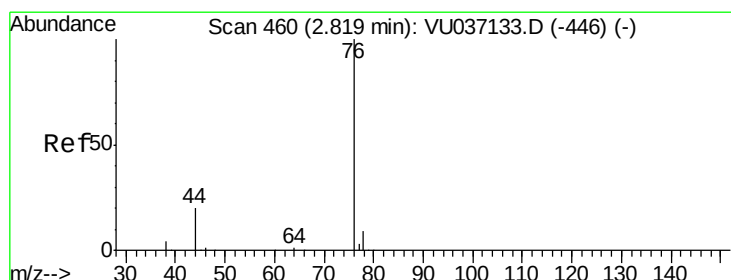
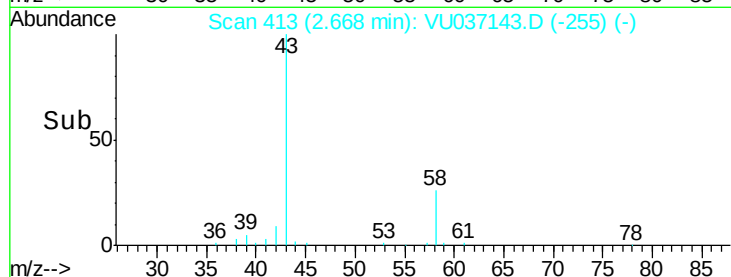
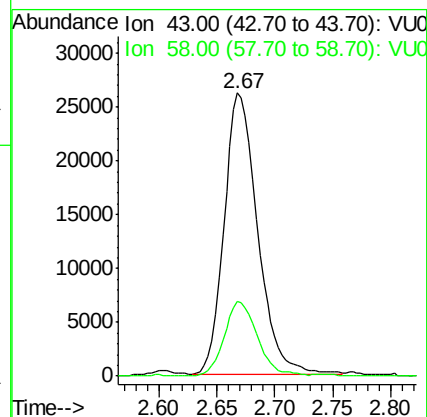
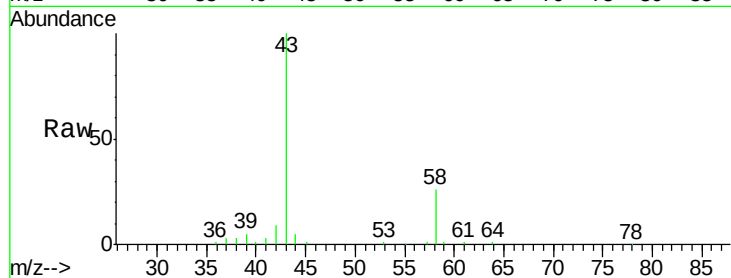
58 26.5 30.8 46.2#

Manual Integrations

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sam

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#14

Carbon Disulfide

Concen: 10.146 ug/l

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037143.D

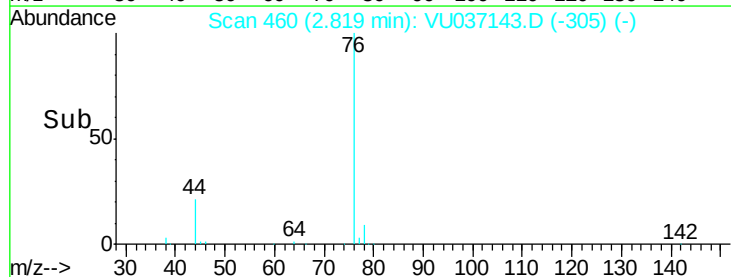
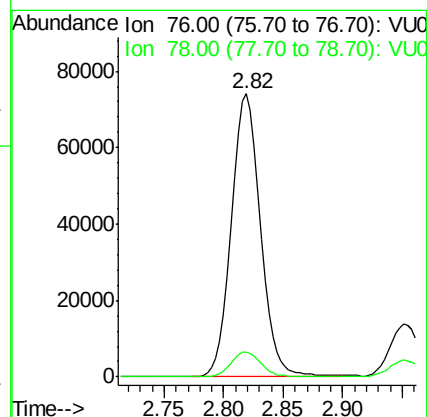
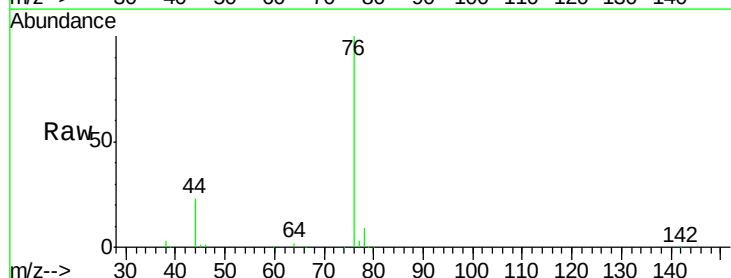
Acq: 10 Mar 2020 09:41

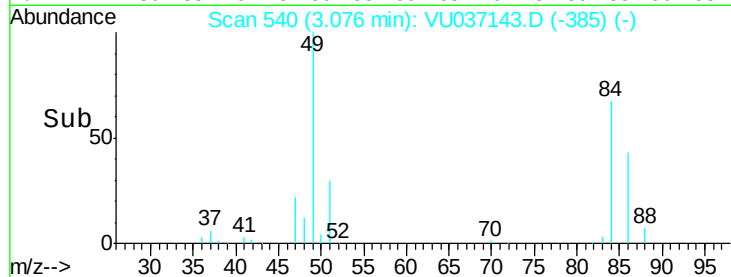
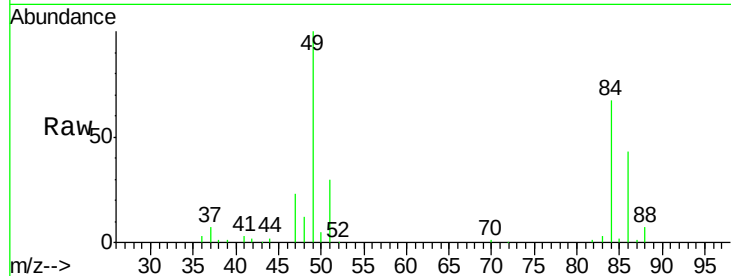
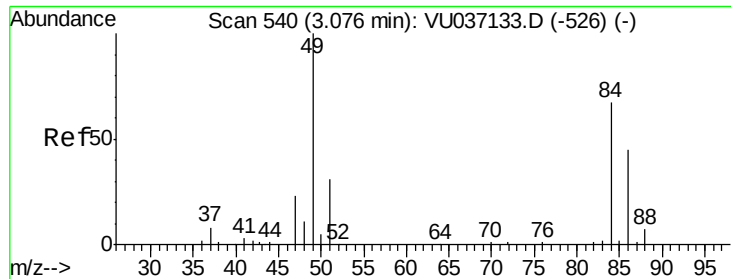
Tgt Ion: 76 Resp: 125955

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0





#15
Methylene Chloride
Concen: 9.191 ug/l
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037143.D
Acq: 10 Mar 2020 09:41

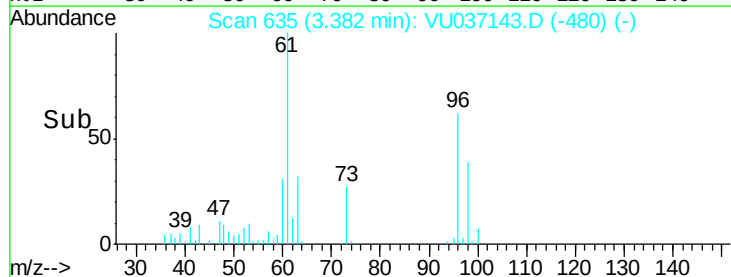
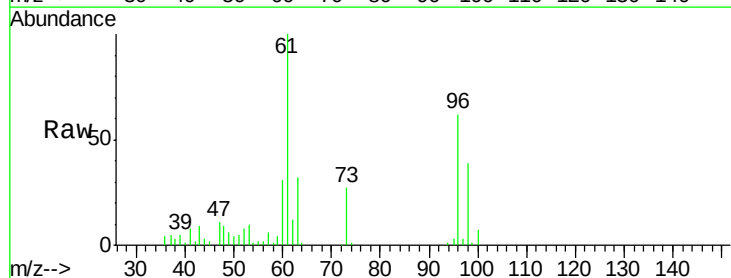
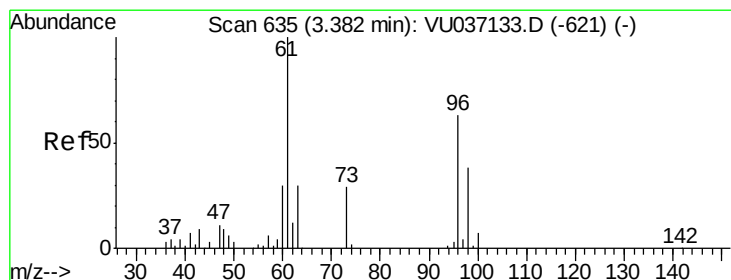
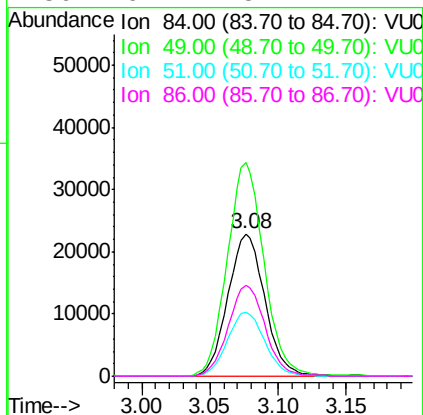
Tot Ion	Ratio	Lower	Upper
84	100		
49	149.5	89.7	134.5#
51	45.0	0.0	71.6
86	64.1	51.4	77.2

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Manual Integrations
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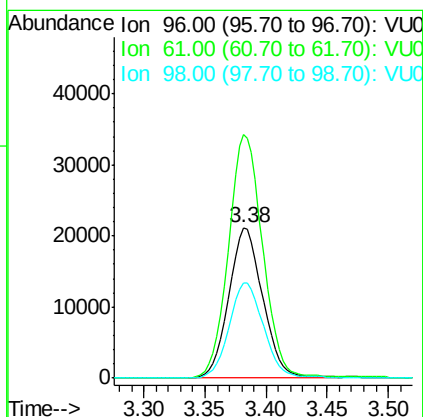
sam

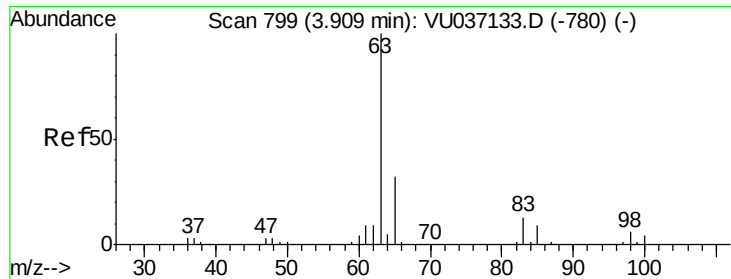
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#16
trans-1,2-Dichloroethene
Concen: 10.421 ug/l
RT: 3.38 min Scan# 635
Delta R.T. -0.00 min
Lab File: VU037143.D
Acq: 10 Mar 2020 09:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.0	110.8	166.2
98	63.1	50.3	75.5





#17
 1,1-Dichloroethane
 Concen: 10.039 ug/l
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU037143.D
 Acq: 10 Mar 2020 09:41

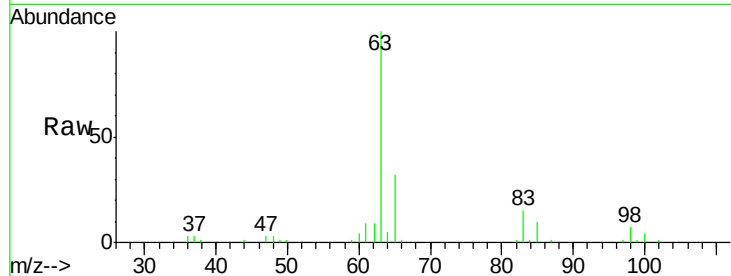
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion:	63	Resp:	92128
Ion Ratio	Lower	Upper	
63	100		
98	6.9	3.5	10.5
100	3.6	2.4	7.1

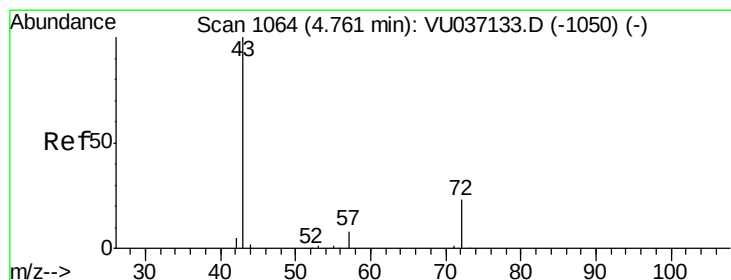
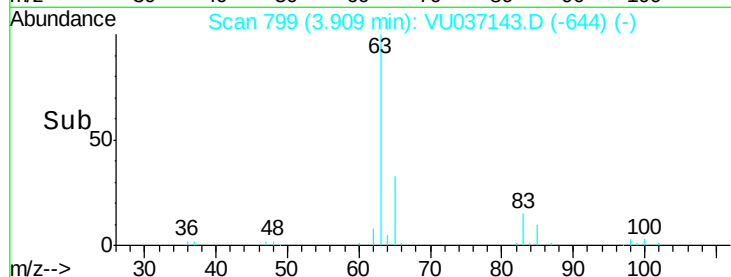
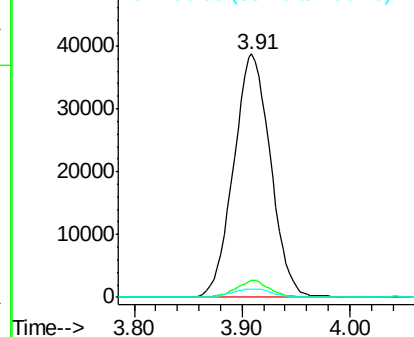
Manual Integrations
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sam

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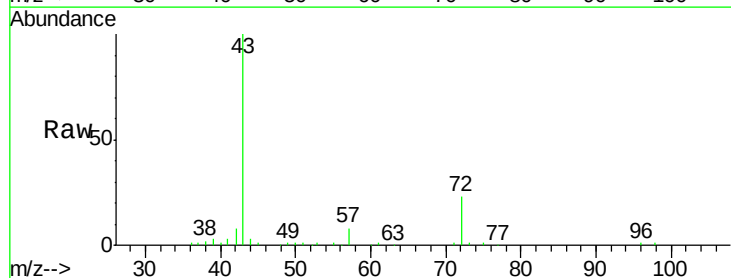


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

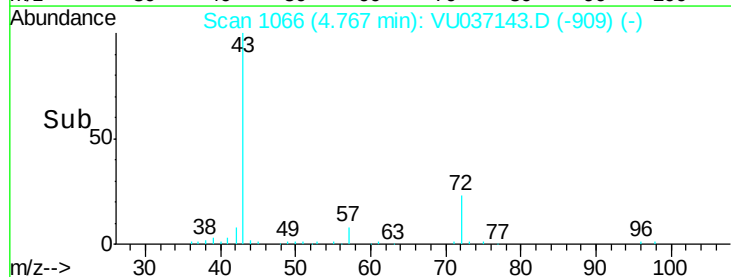
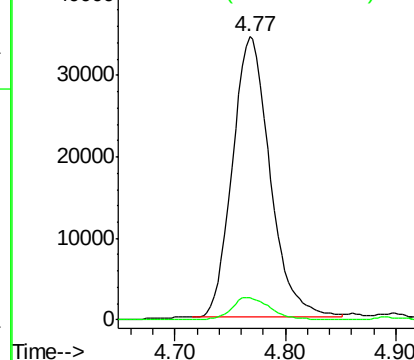


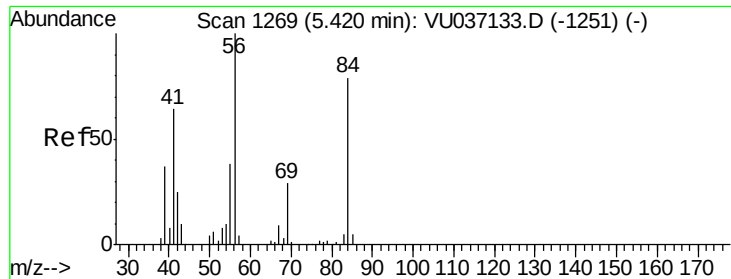
#18
 2-Butanone
 Concen: 54.040 ug/l
 RT: 4.77 min Scan# 1066
 Delta R.T. 0.01 min
 Lab File: VU037143.D
 Acq: 10 Mar 2020 09:41

Tgt Ion:	43	Resp:	80940
Ion Ratio	Lower	Upper	
43	100		
57	7.9	0.0	17.8



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0





#19
Cyclohexane
Concen: 10.513 ug/l m
RT: 5.42 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VU037143.D
Acq: 10 Mar 2020 09:41

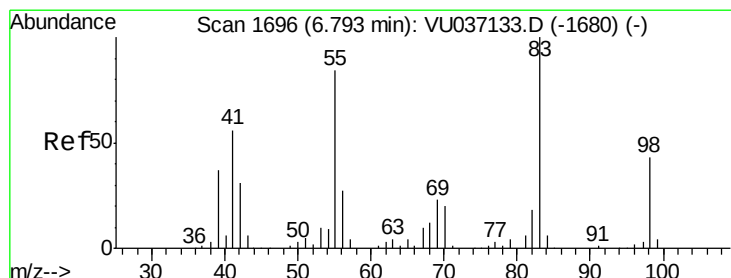
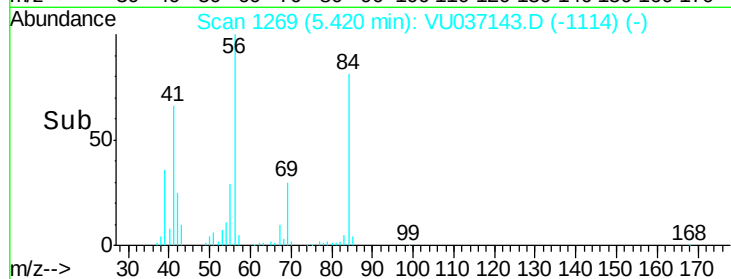
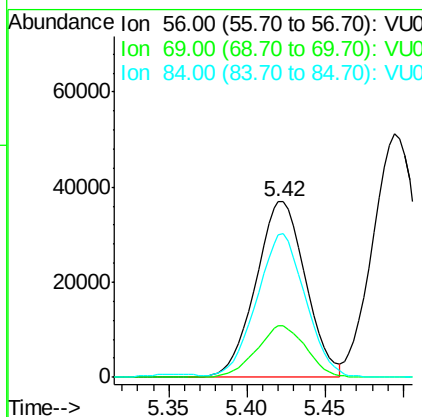
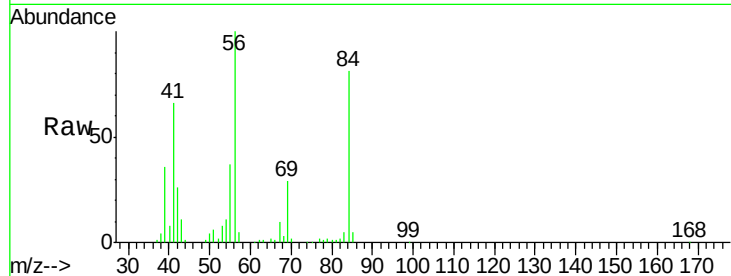
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.1	26.2	39.2
84	78.6	72.8	109.2

Manual Integrations
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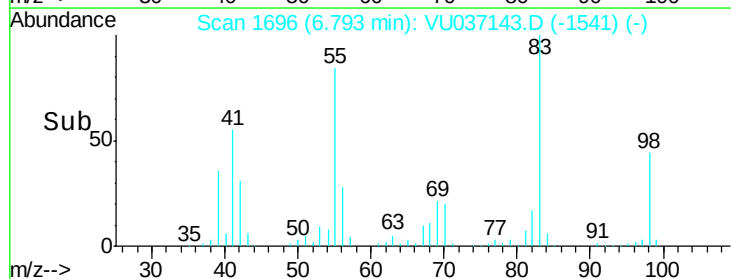
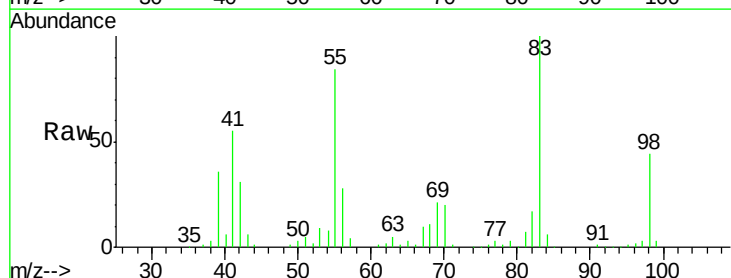
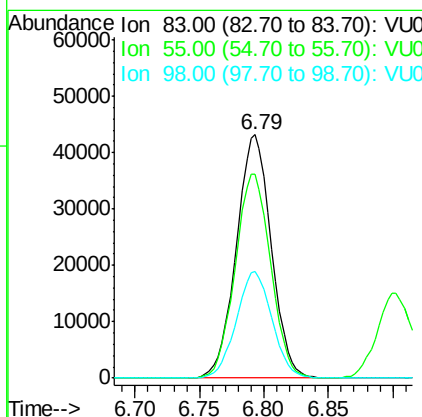
sam

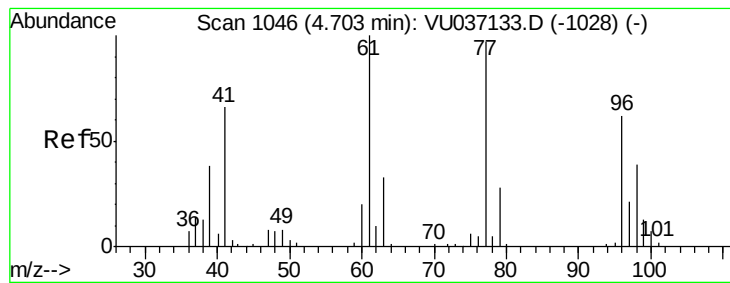
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#20
Methylcyclohexane
Concen: 10.514 ug/l
RT: 6.79 min Scan# 1696
Delta R.T. -0.00 min
Lab File: VU037143.D
Acq: 10 Mar 2020 09:41

Tgt Ion	Ratio	Lower	Upper
83	100		
55	85.5	56.6	85.0#
98	45.0	37.5	56.3





#21

2,2-Dichloropropane

Concen: 10.192 ug/l

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU037143.D

Acq: 10 Mar 2020 09:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 77 Resp: 85342

Ion Ratio Lower Upper

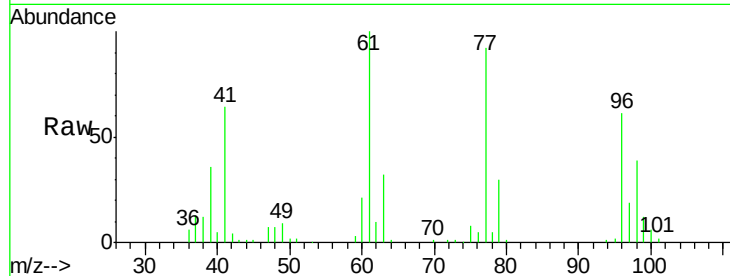
77 100

97 21.1 19.0 28.4

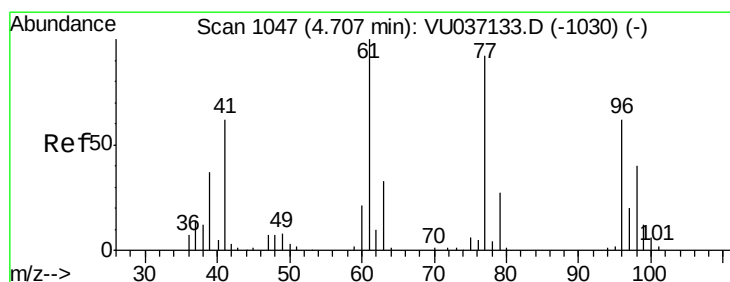
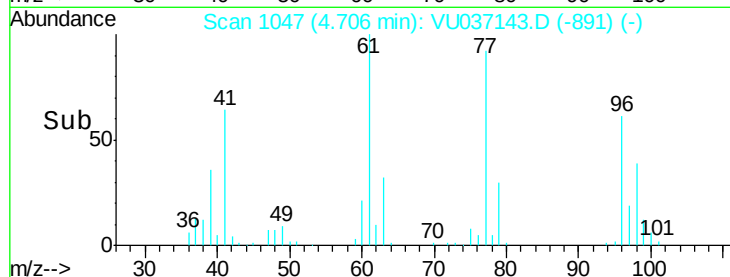
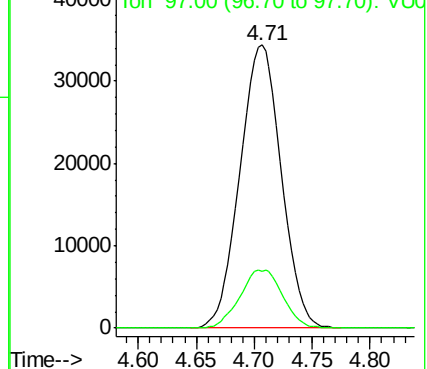
Manual Integrations
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sam

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Abundance Ion 77.00 (76.70 to 77.70): VU037143.D (-891) (-)



#22

cis-1,2-Dichloroethene

Concen: 10.522 ug/l

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU037143.D

Acq: 10 Mar 2020 09:41

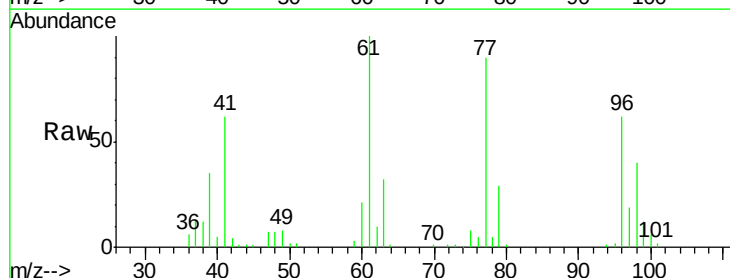
Tgt Ion: 96 Resp: 51587

Ion Ratio Lower Upper

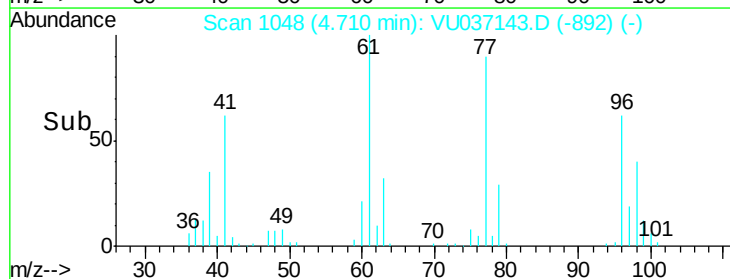
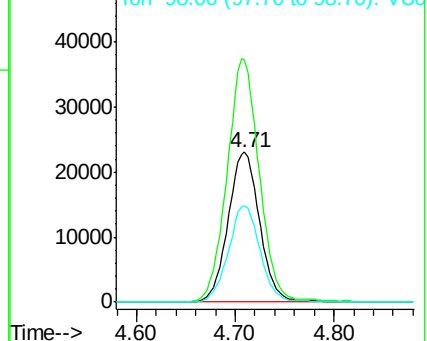
96 100

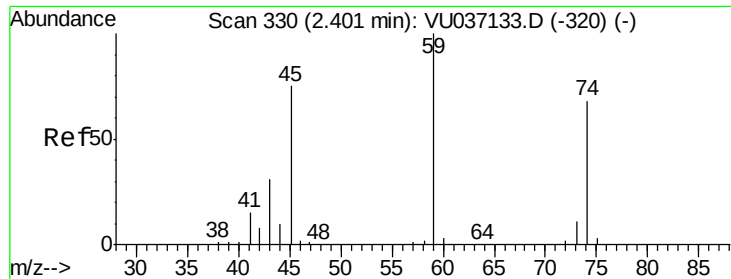
61 164.0 0.0 342.0

98 64.3 32.0 96.0



Abundance Ion 96.00 (95.70 to 96.70): VU037143.D (-892) (-)





#23
Diethyl Ether
Concen: 10.443 ug/l
RT: 2.40 min Scan# 331
Delta R.T. 0.00 min
Lab File: VU037143.D
Acq: 10 Mar 2020 09:41

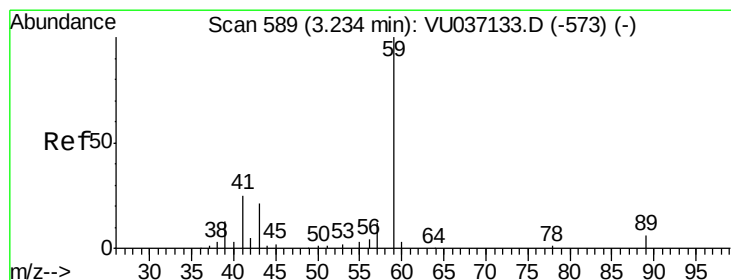
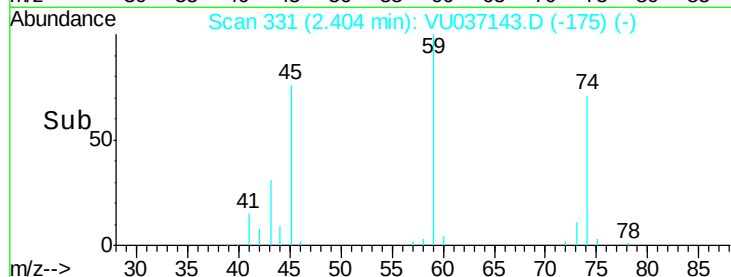
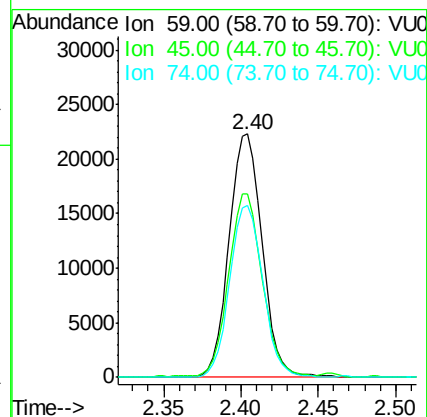
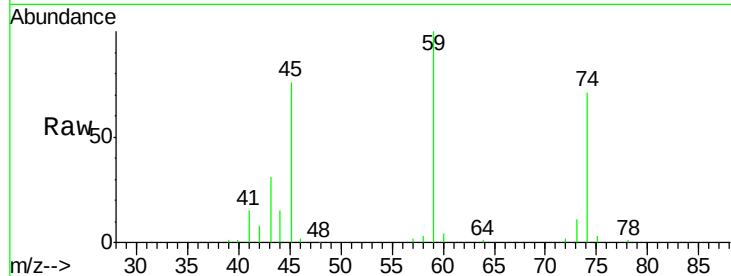
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 32973
Ion Ratio Lower Upper
59 100
45 77.6 52.4 78.6
74 71.1 62.1 93.1

Manual Integrations
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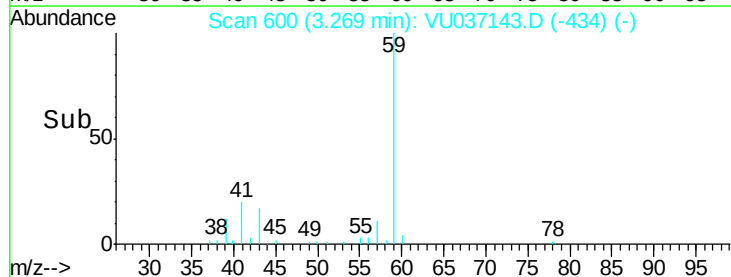
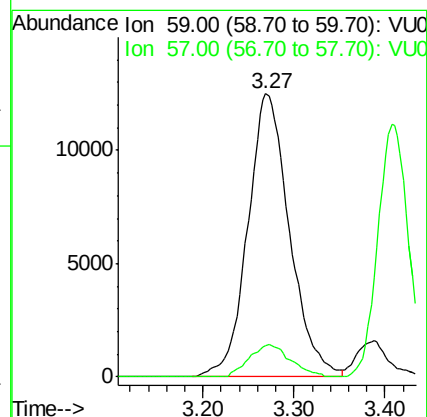
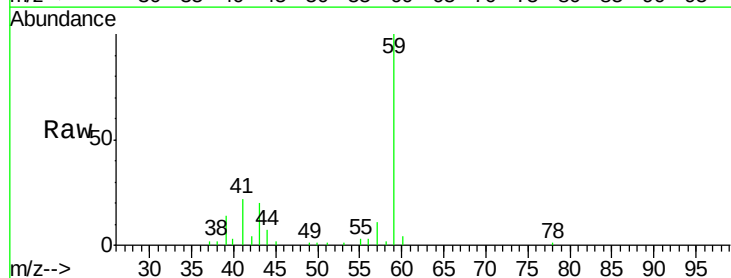
sam

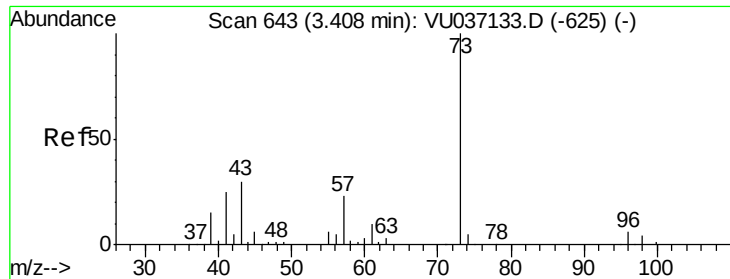
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#24
tert-Butyl Alcohol
Concen: 115.259 ug/l
RT: 3.27 min Scan# 600
Delta R.T. 0.04 min
Lab File: VU037143.D
Acq: 10 Mar 2020 09:41

Tgt Ion: 59 Resp: 39789
Ion Ratio Lower Upper
59 100
57 11.2 8.4 12.6





#25
Methyl tert-Butyl Ether
Concen: 10.574 ug/l
RT: 3.41 min Scan# 644
Delta R.T. 0.00 min
Lab File: VU037143.D
Acq: 10 Mar 2020 09:41

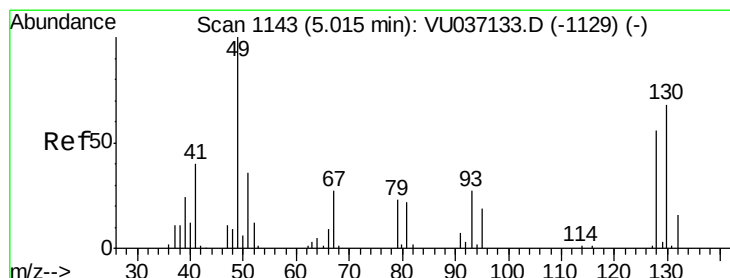
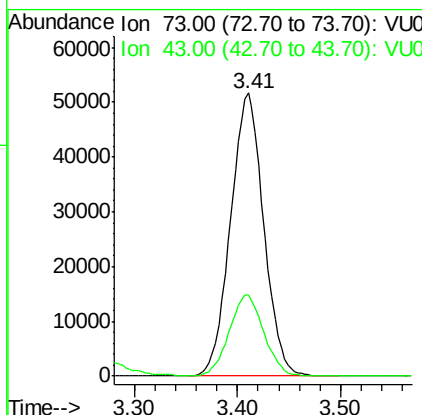
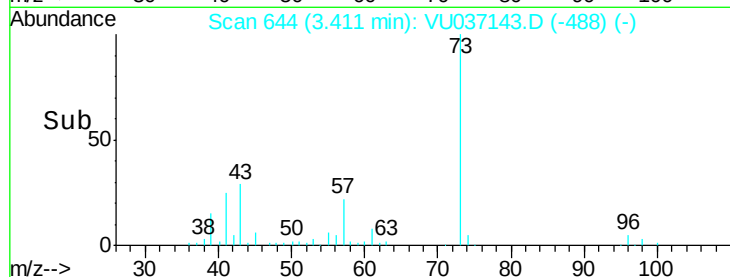
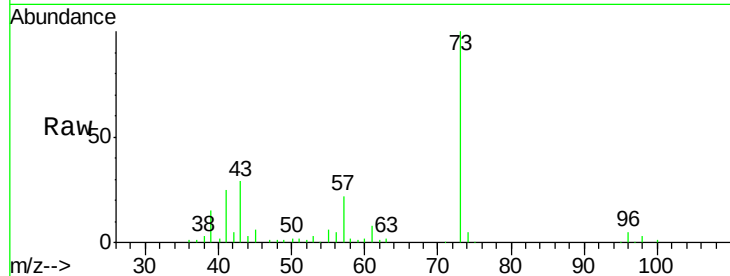
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion: 73 Resp: 115483
Ion Ratio Lower Upper
73 100
43 30.0 14.5 21.7#

Manual Integrations
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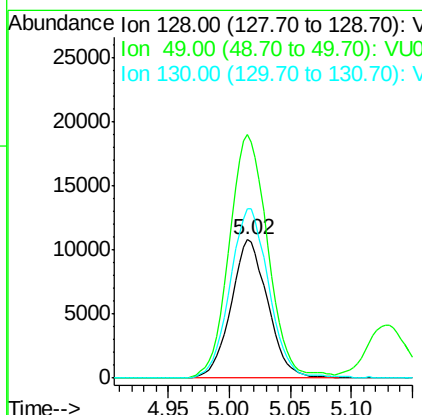
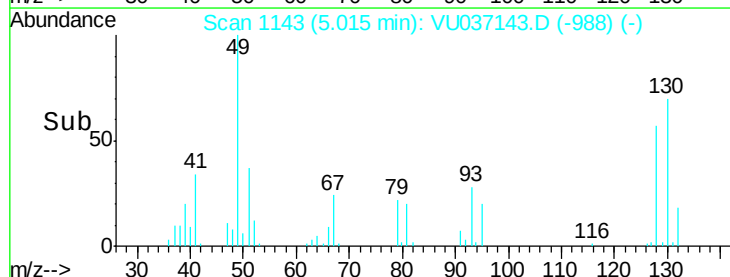
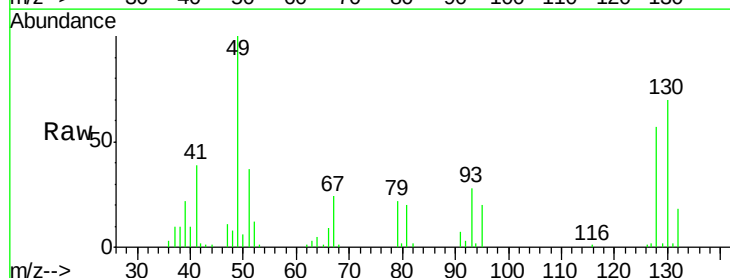
sam

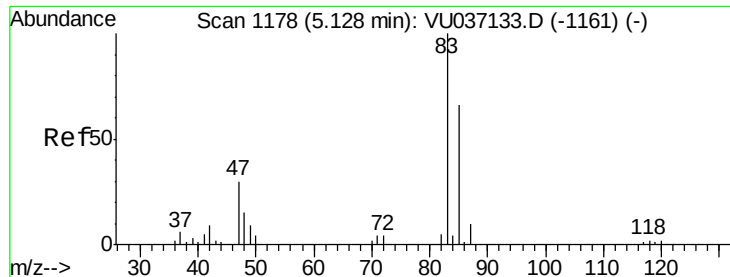
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#26
Bromochloromethane
Concen: 10.494 ug/l
RT: 5.02 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VU037143.D
Acq: 10 Mar 2020 09:41

Tgt Ion: 128 Resp: 22644
Ion Ratio Lower Upper
128 100
49 182.9 0.0 286.2
130 129.2 104.3 156.5





#27
Chloroform
Concen: 9.795 ug/l
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037143.D
Acq: 10 Mar 2020 09:41

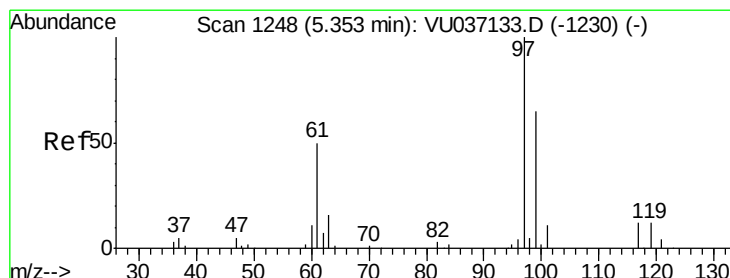
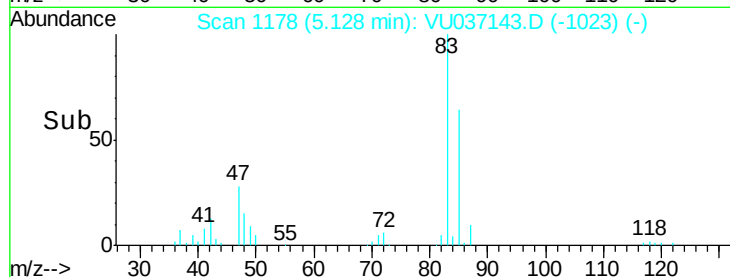
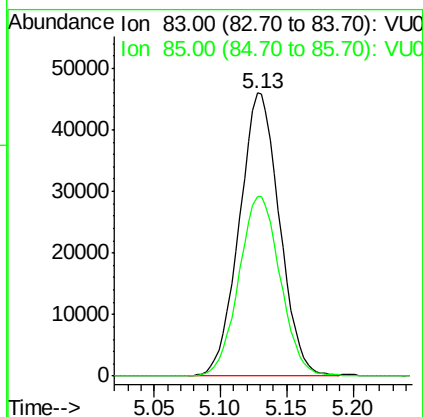
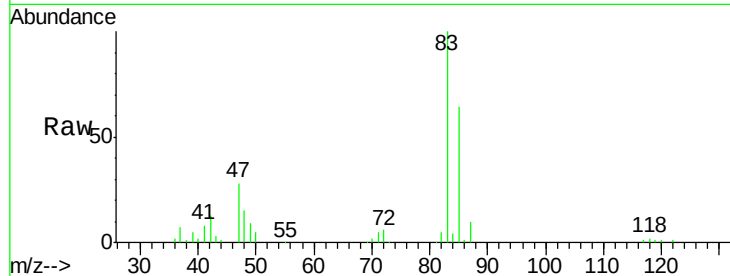
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	83	Resp	96796
Ion Ratio	100	Lower	Upper
85	63.5	0.0	129.0

Manual Integrations
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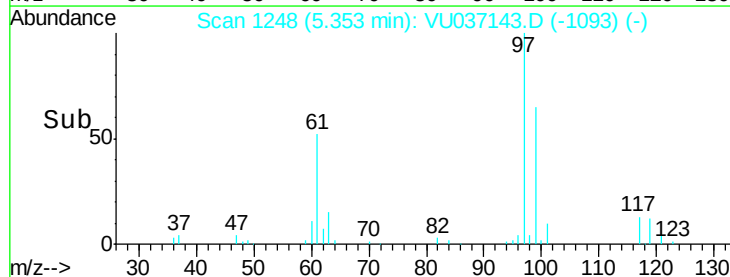
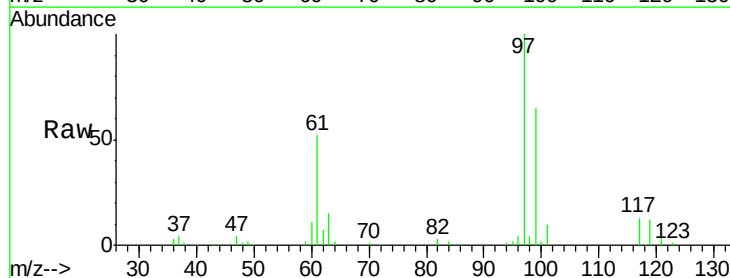
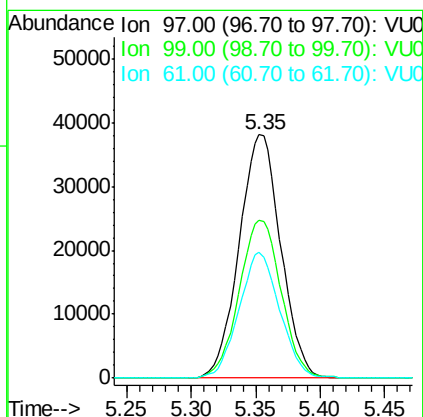
sam

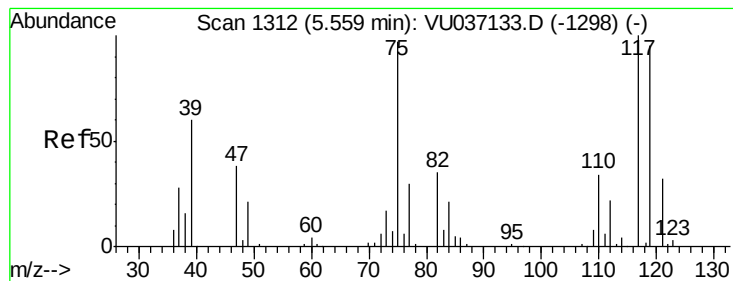
3/11/2020 3:32:03 PM



#28
1,1,1-Trichloroethane
Concen: 10.146 ug/l
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU037143.D
Acq: 10 Mar 2020 09:41

Tgt Ion	97	Resp	85476
Ion Ratio	100	Lower	Upper
99	65.8	32.1	96.3
61	50.8	22.7	68.0





#29

1,1-Dichloropropene

Concen: 10.530 ug/l

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037143.D

Acq: 10 Mar 2020 09:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 75 Resp: 72081

Ion Ratio Lower Upper

75 100

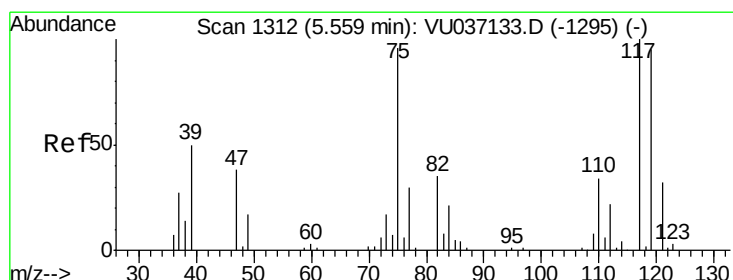
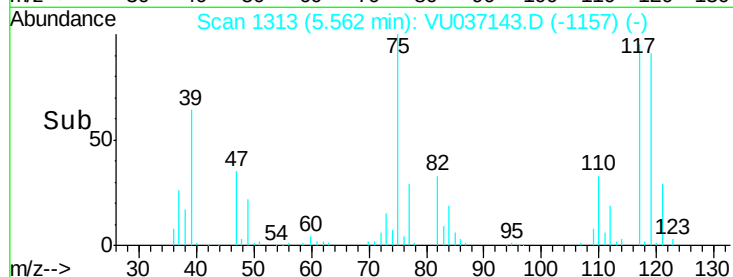
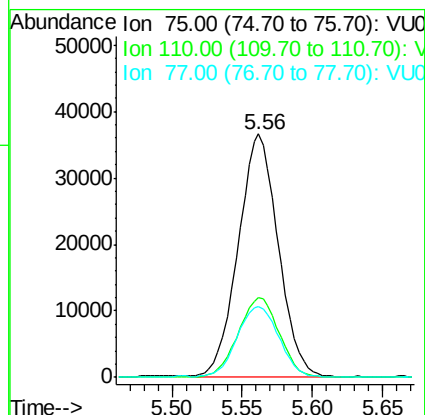
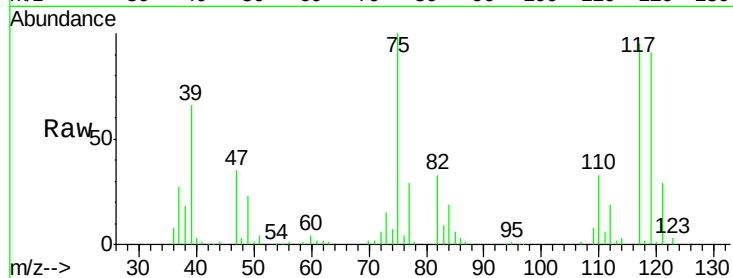
110 34.0 18.6 55.8

77 30.9 25.0 37.4

Manual Integrations
APPROVED

sam

3/11/2020 3:32:03 PM



#30

Carbon Tetrachloride

Concen: 10.413 ug/l

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU037143.D

Acq: 10 Mar 2020 09:41

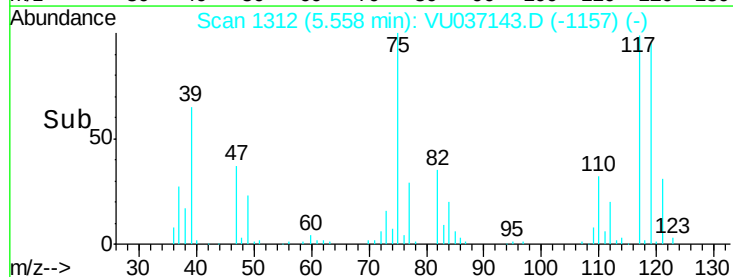
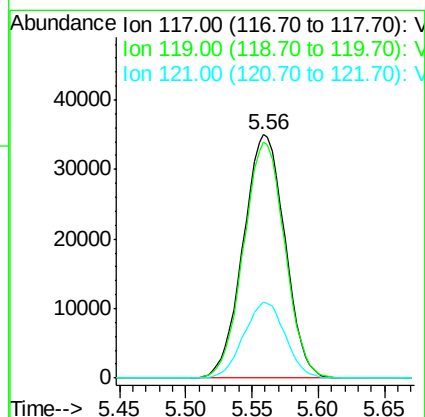
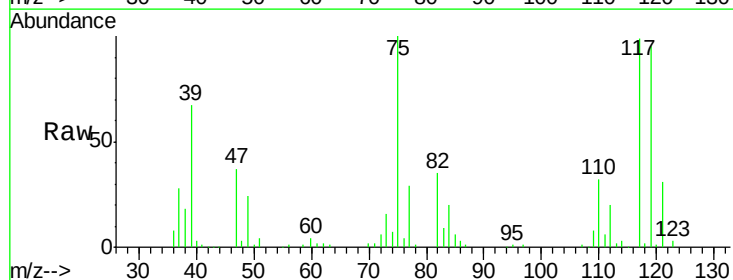
Tgt Ion: 117 Resp: 76761

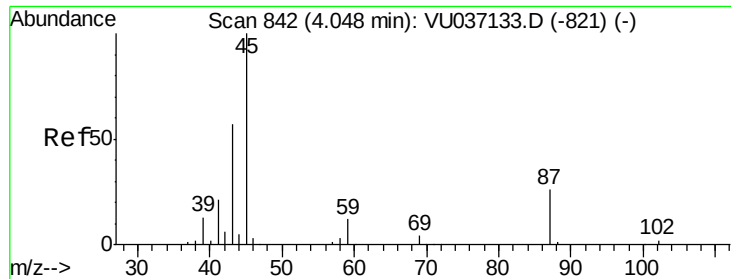
Ion Ratio Lower Upper

117 100

119 96.7 77.0 115.6

121 31.0 23.3 34.9





#31

Isopropyl Ether
 Concen: 10.199 ug/l
 RT: 4.05 min Scan# 842
 Delta R.T. -0.00 min
 Lab File: VU037143.D
 Acq: 10 Mar 2020 09:41

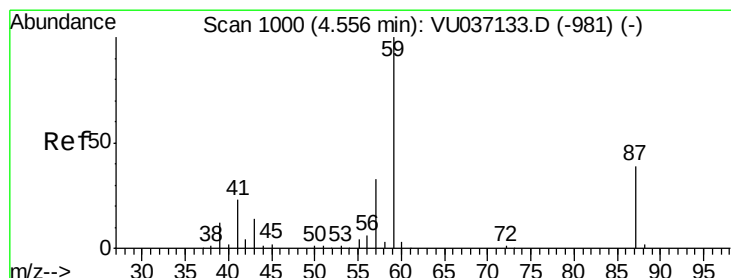
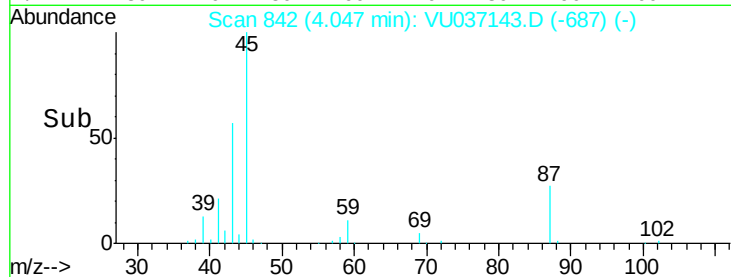
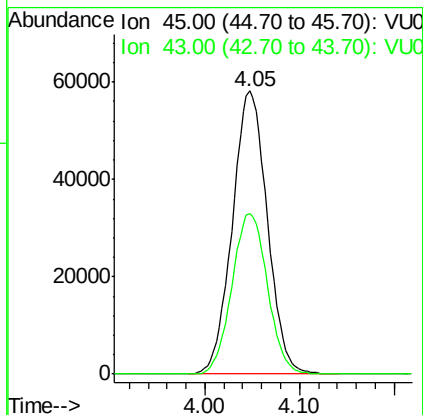
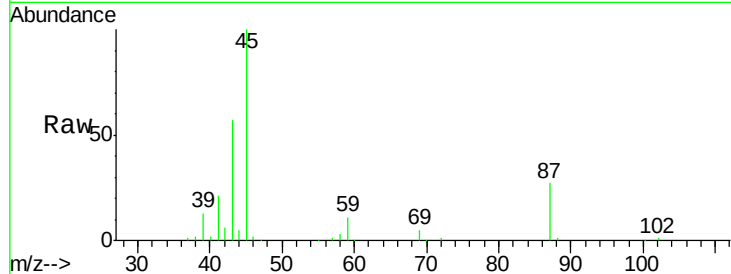
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	45	Resp	149412
Ion Ratio	100	Lower	Upper
45	100		
43	57.5	24.0	72.0

Manual Integrations
 APPROVED

sam

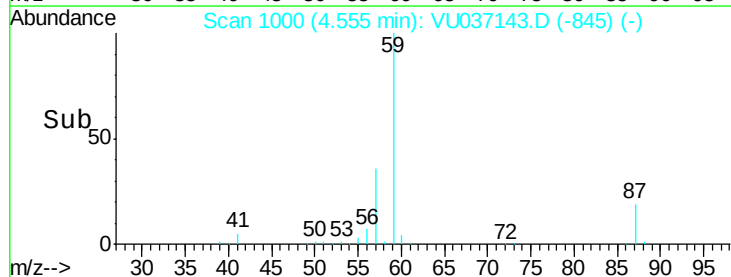
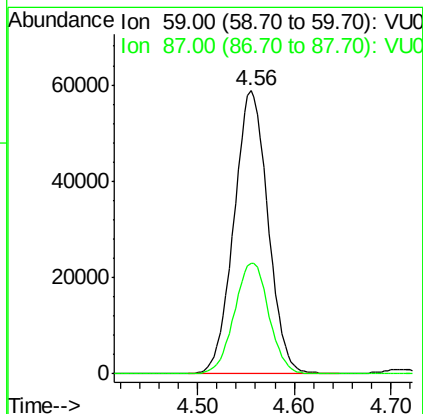
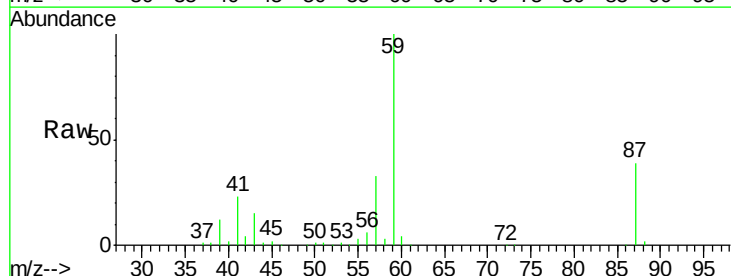
3/11/2020 3:32:03 PM

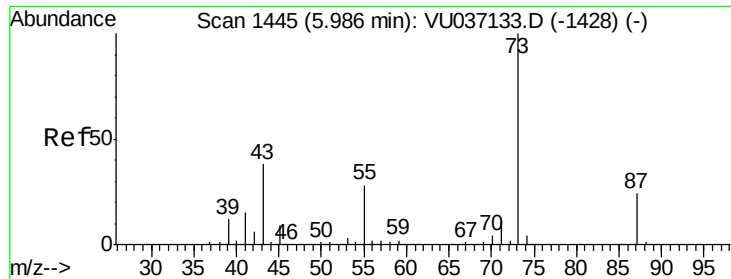


#32

Ethyl-t-butyl ether
 Concen: 10.385 ug/l
 RT: 4.56 min Scan# 1000
 Delta R.T. -0.00 min
 Lab File: VU037143.D
 Acq: 10 Mar 2020 09:41

Tgt Ion	59	Resp	143622
Ion Ratio	100	Lower	Upper
59	100		
87	39.7	35.1	52.7





#33
Tert-Butyl methyl ether
Concen: 10.537 ug/l
RT: 5.98 min Scan# 1444
Delta R.T. -0.00 min
Lab File: VU037143.D
Acq: 10 Mar 2020 09:41

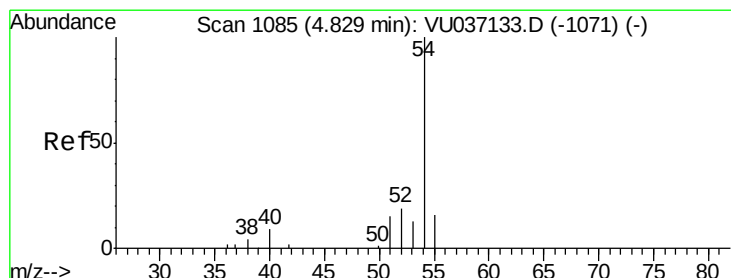
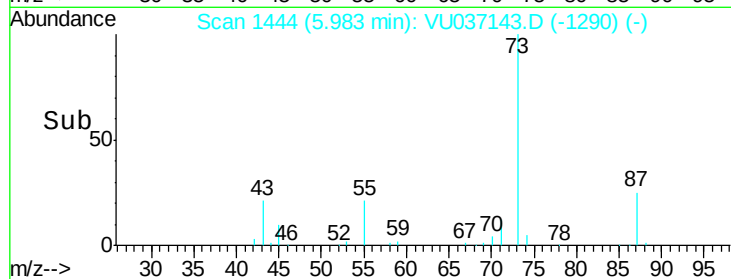
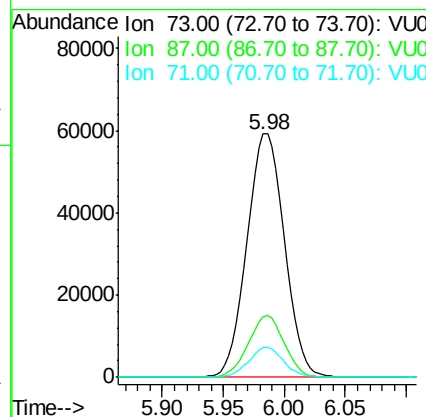
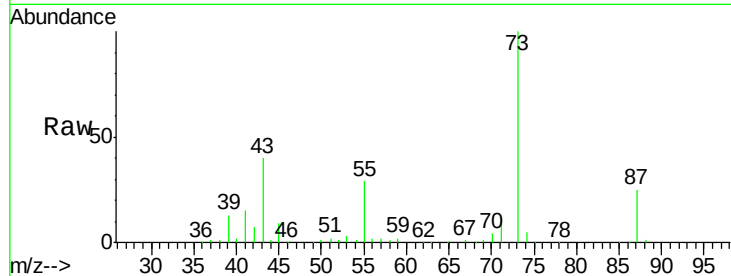
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion:	73	Resp:	125058
Ion	Ratio	Lower	Upper
73	100		
87	24.4	19.8	29.6
71	11.6	9.1	13.7

Manual Integrations
APPROVED

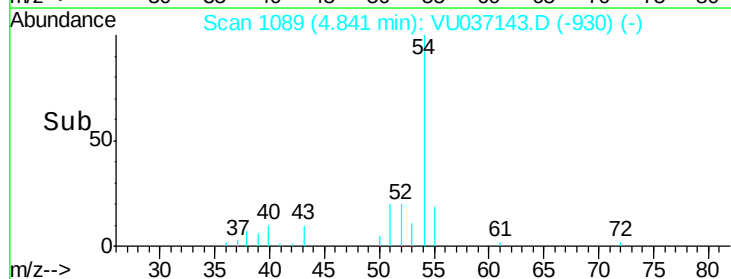
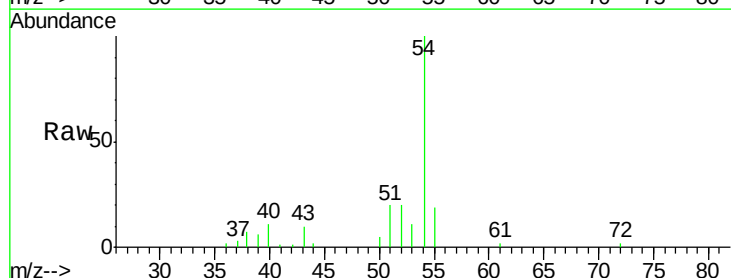
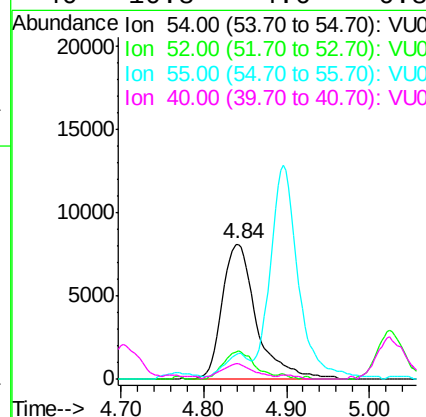
sam

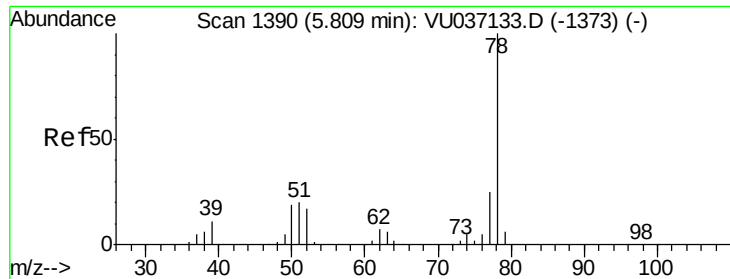
3/11/2020 3:32:03 PM



#34
Propionitrile
Concen: 58.940 ug/l
RT: 4.84 min Scan# 1089
Delta R.T. 0.01 min
Lab File: VU037143.D
Acq: 10 Mar 2020 09:41

Tgt Ion:	54	Resp:	23219
Ion	Ratio	Lower	Upper
54	100		
52	18.4	15.2	22.8
55	12.7	9.5	14.3
40	10.8	4.6	6.8





#35

Benzene

Concen: 10.186 ug/l

RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU037143.D

Acq: 10 Mar 2020 09:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 78 Resp: 198088

Ion Ratio Lower Upper

78 100

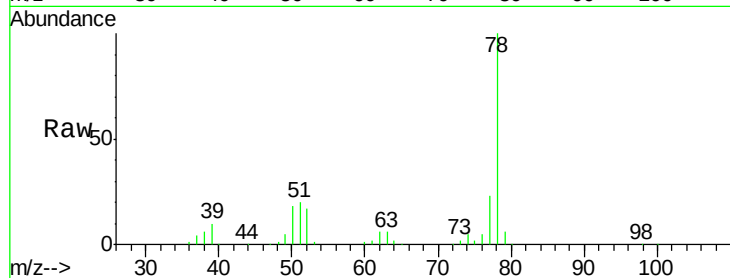
77 23.3 19.4 29.0

Manual Integrations

APPROVED

sam

3/11/2020 3:32:03 PM



Abundance Ion 78.10 (77.80 to 78.80): VU037143.D (-1235) (-)

Ion 77.00 (76.70 to 77.70): VU037143.D (-1235) (-)

5.81

100000

80000

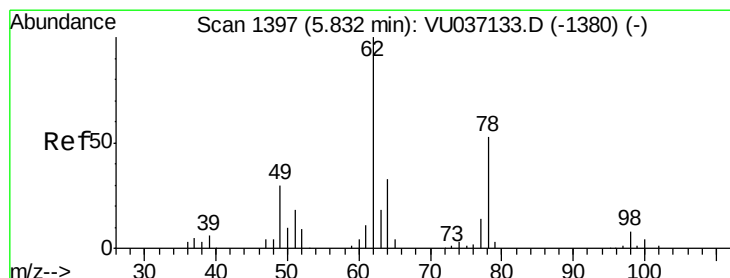
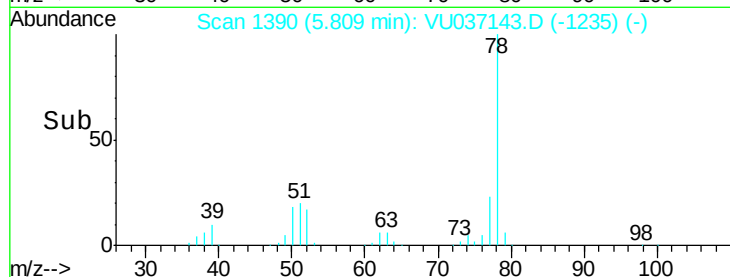
60000

40000

20000

0

Time-->



#36

1,2-Dichloroethane

Concen: 10.110 ug/l

RT: 5.83 min Scan# 1398

Delta R.T. 0.00 min

Lab File: VU037143.D

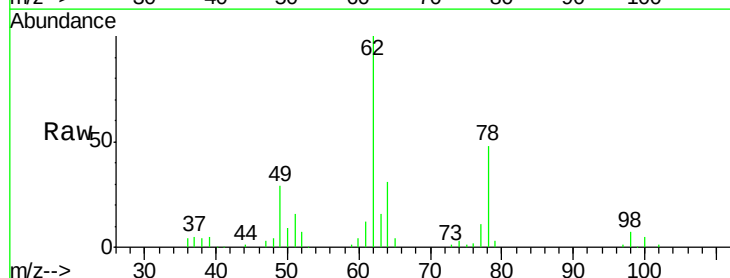
Acq: 10 Mar 2020 09:41

Tgt Ion: 62 Resp: 71273

Ion Ratio Lower Upper

62 100

98 6.9 7.8 11.8#



Abundance Ion 62.00 (61.70 to 62.70): VU037143.D (-1242) (-)

Ion 98.00 (97.70 to 98.70): VU037143.D (-1242) (-)

5.83

40000

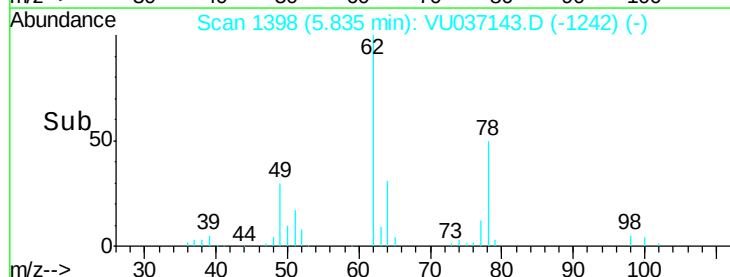
30000

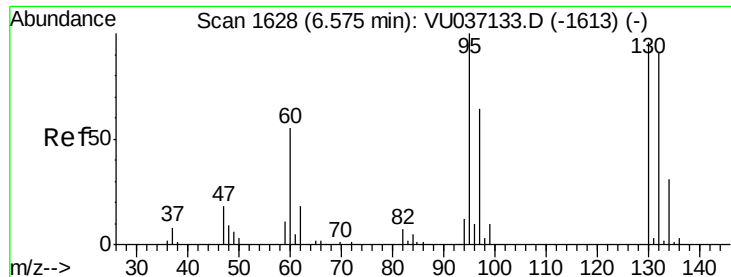
20000

10000

0

Time-->





#37
 Trichloroethene
 Concen: 10.181 ug/l
 RT: 6.57 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: VU037143.D
 Acq: 10 Mar 2020 09:41

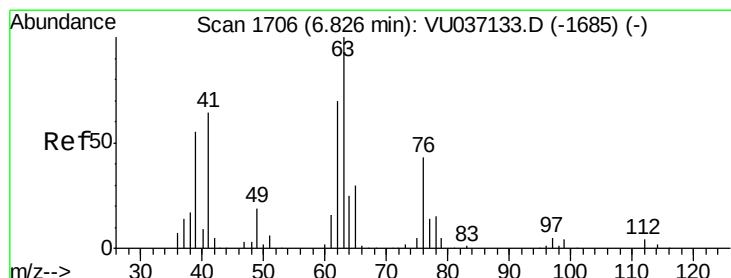
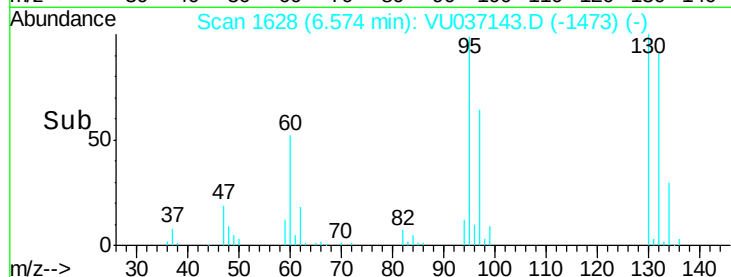
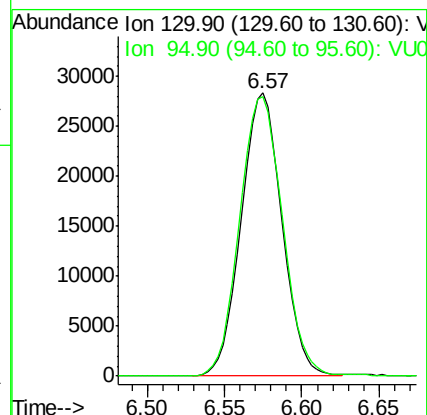
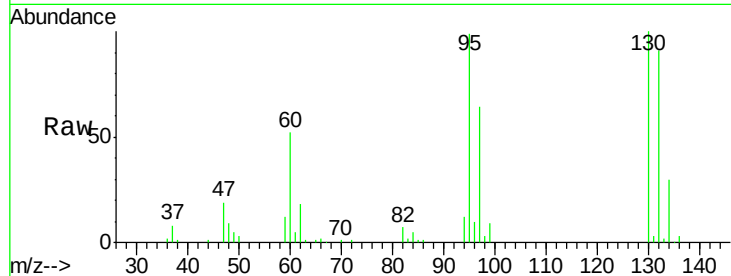
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion:130 Resp: 51951
 Ion Ratio Lower Upper
 130 100
 95 98.8 77.0 115.4

Manual Integrations
 APPROVED

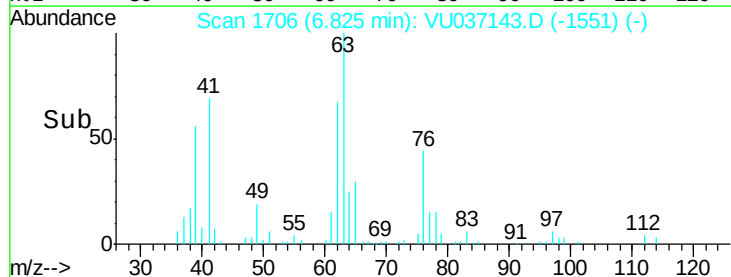
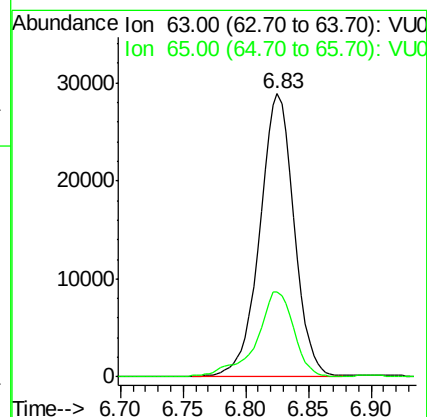
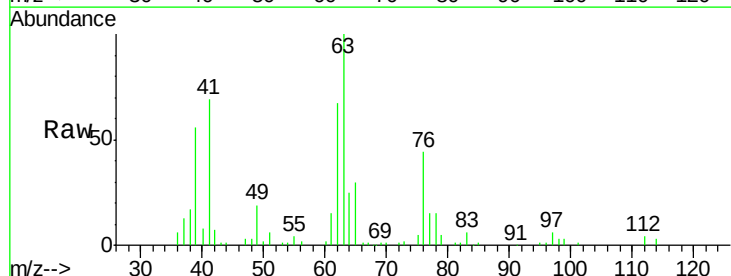
sam

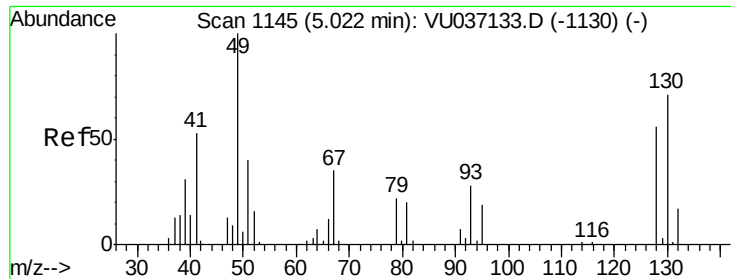
3/11/2020 3:32:03 PM



#38
 1,2-Dichloropropane
 Concen: 10.326 ug/l
 RT: 6.83 min Scan# 1706
 Delta R.T. -0.00 min
 Lab File: VU037143.D
 Acq: 10 Mar 2020 09:41

Tgt Ion: 63 Resp: 55121
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.7 37.1





#39
Methacrylonitrile
Concen: 10.628 ug/l
RT: 5.02 min Scan# 1146
Delta R.T. 0.00 min
Lab File: VU037143.D
Acq: 10 Mar 2020 09:41

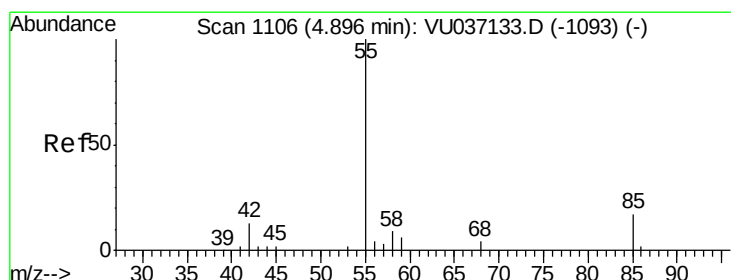
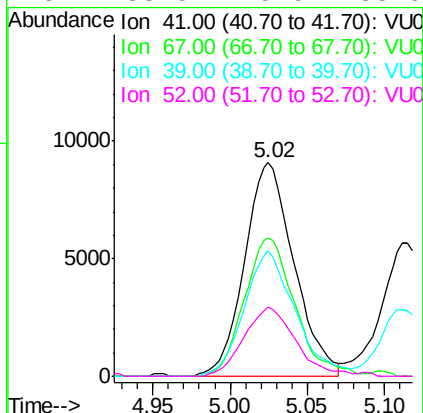
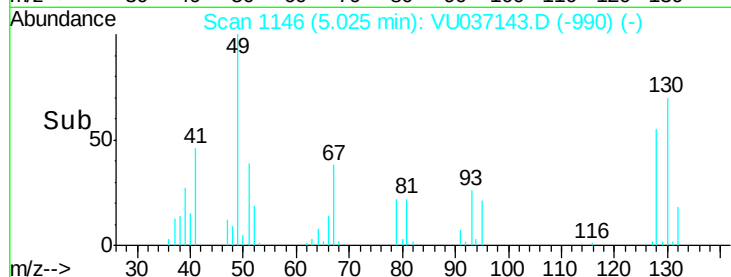
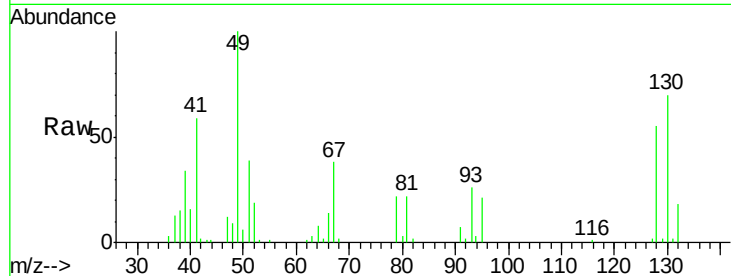
Instrument :
MSVOA_U
ClientSampled :
VSTDCCC010

Tot Ion	41	Resp	20200
Ion Ratio	Lower	Upper	
41	100		
67	66.0	69.6	104.4#
39	60.2	41.6	62.4
52	33.5	25.9	38.9

Manual Integrations
APPROVED

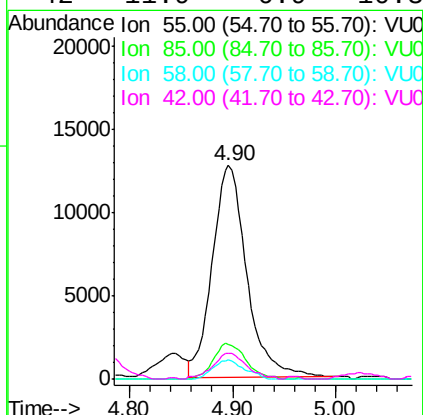
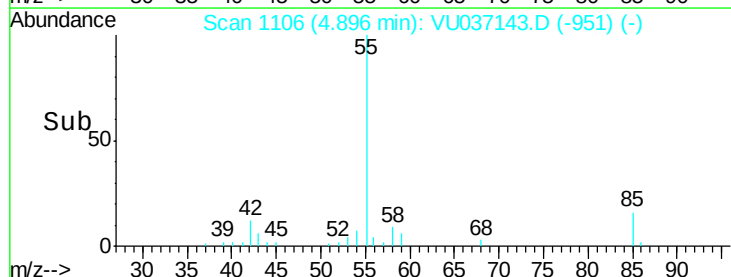
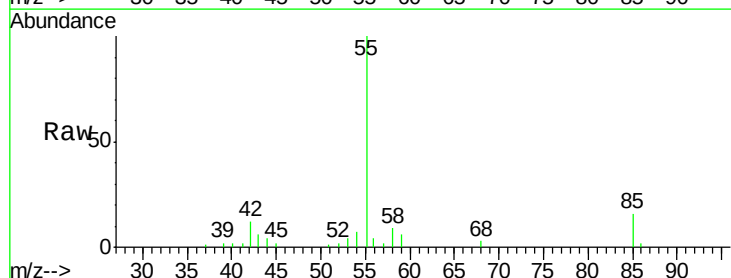
sam

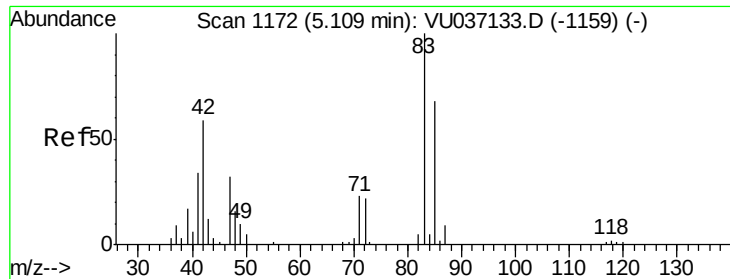
3/11/2020 3:32:03 PM



#40
Methyl acrylate
Concen: 11.224 ug/l
RT: 4.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU037143.D
Acq: 10 Mar 2020 09:41

Tgt Ion	55	Resp	29501
Ion Ratio	Lower	Upper	
55	100		
85	15.7	14.7	22.1
58	8.3	7.1	10.7
42	11.9	6.9	10.3#





#41
Tetrahydrofuran
Concen: 21.845 ug/l
RT: 5.11 min Scan# 1174
Delta R.T. 0.01 min
Lab File: VU037143.D
Acq: 10 Mar 2020 09:41

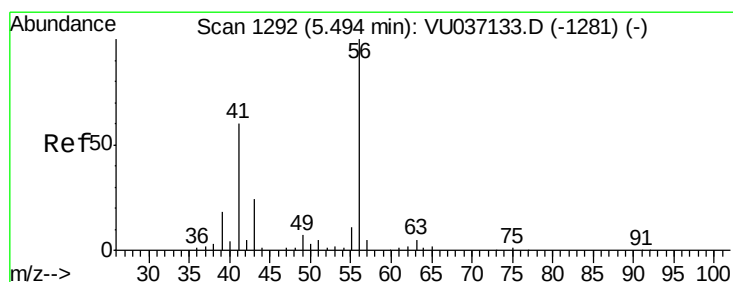
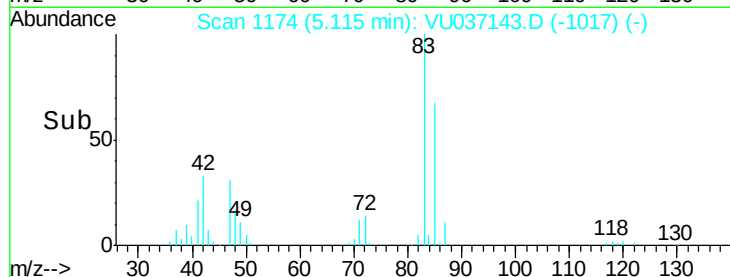
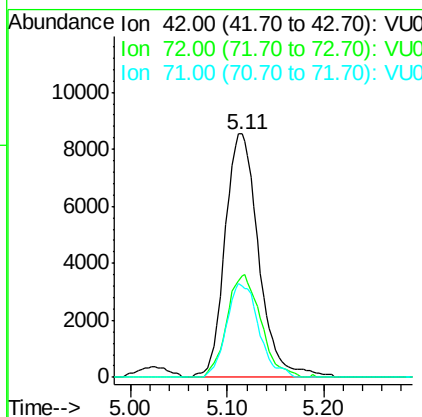
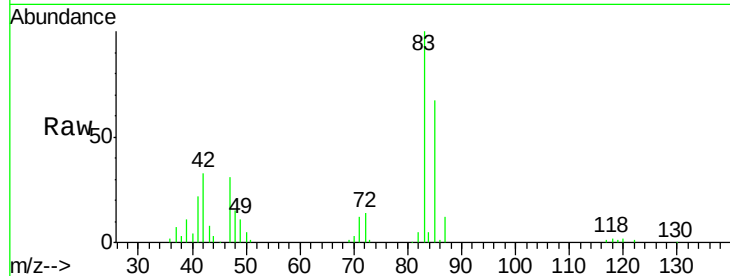
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	42.5	63.7#
71	36.9	37.3	55.9#

Manual Integrations
APPROVED

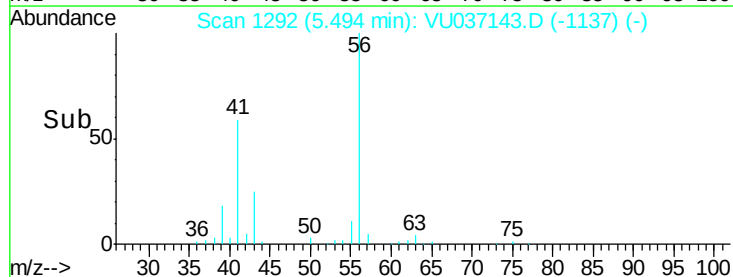
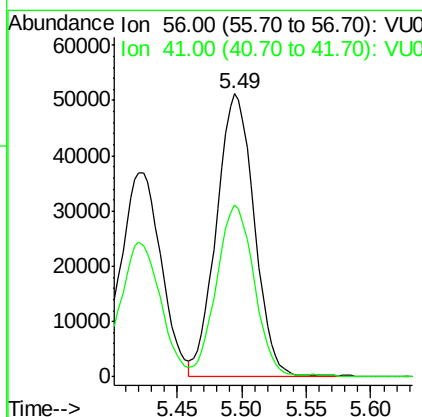
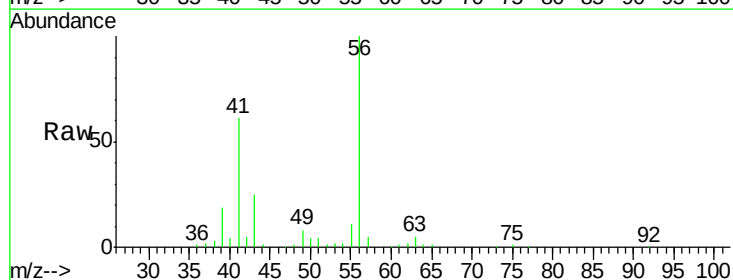
sam

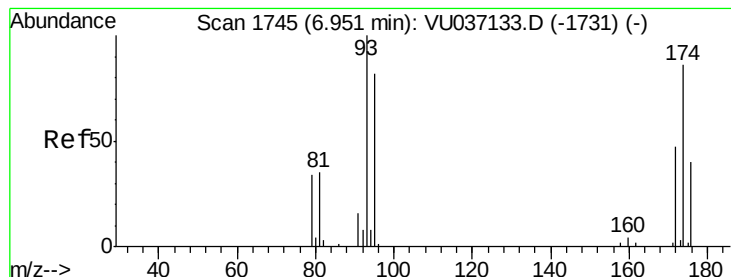
3/11/2020 3:32:03 PM



#42
1-Chlorobutane
Concen: 10.475 ug/l
RT: 5.49 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VU037143.D
Acq: 10 Mar 2020 09:41

Tgt Ion	Ratio	Lower	Upper
56	100		
41	59.9	24.8	74.3





#43

Dibromomethane

Concen: 10.991 ug/l

RT: 6.95 min Scan# 1745

Delta R.T. -0.00 min

Lab File: VU037143.D

Acq: 10 Mar 2020 09:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 93 Resp: 30071

Ion Ratio Lower Upper

93 100

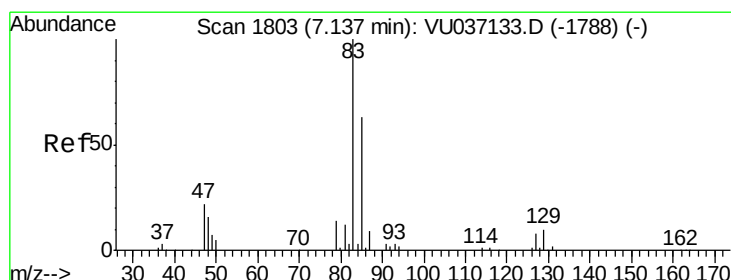
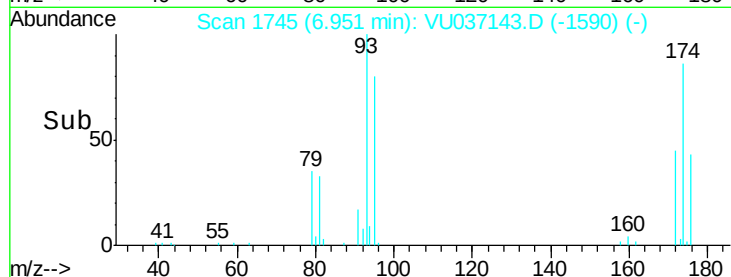
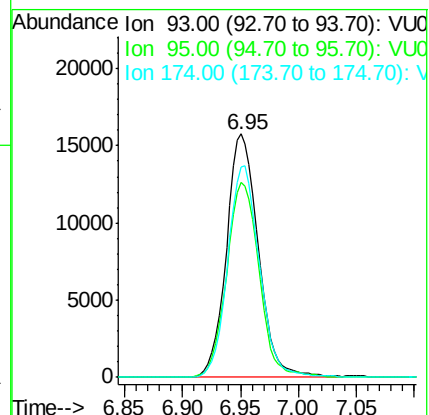
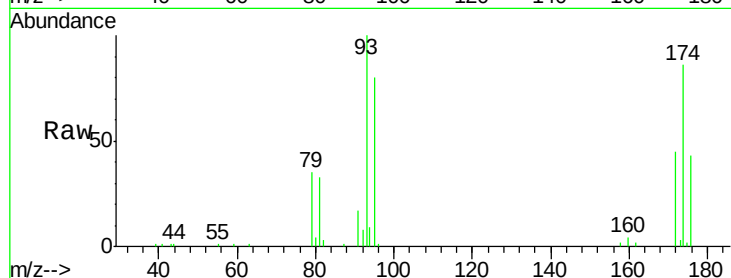
95 81.7 67.9 101.9

174 86.2 83.4 125.0

Manual Integrations
APPROVED

sam

3/11/2020 3:32:03 PM



#44

Bromodichloromethane

Concen: 10.445 ug/l

RT: 7.14 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VU037143.D

Acq: 10 Mar 2020 09:41

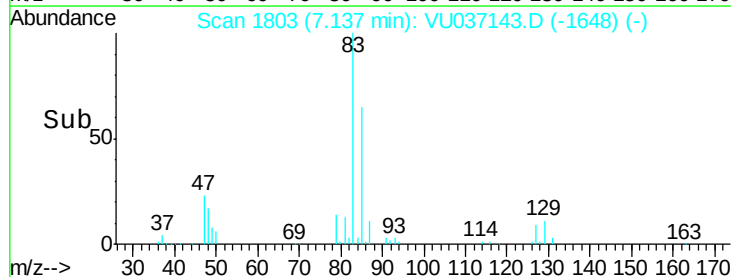
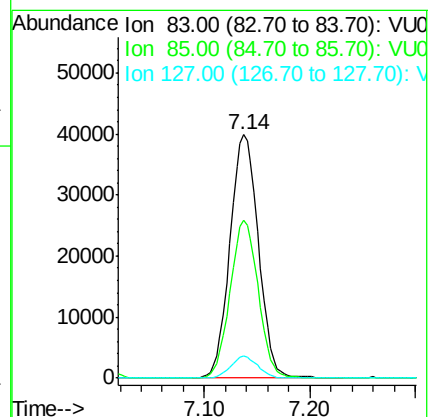
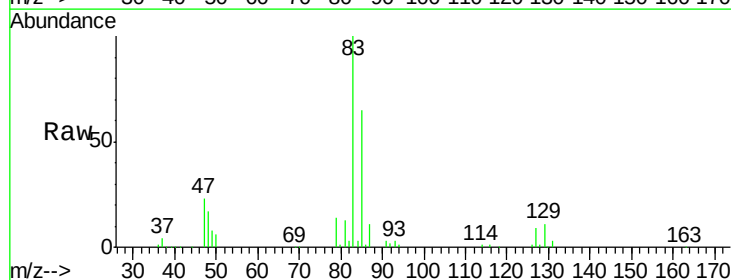
Tgt Ion: 83 Resp: 74401

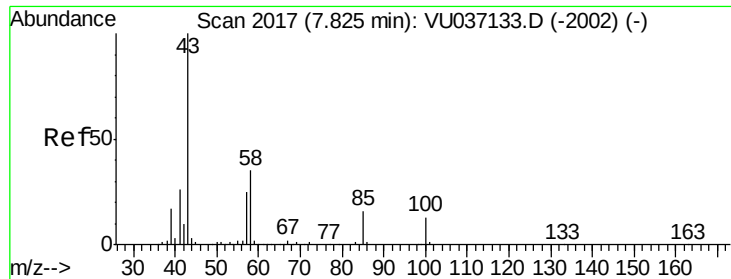
Ion Ratio Lower Upper

83 100

85 64.8 51.8 77.6

127 9.0 6.8 10.2





#45
4-Methyl-2-Pentanone
Concen: 54.707 ug/l
RT: 7.83 min Scan# 2018
Delta R.T. 0.00 min
Lab File: VU037143.D
Acq: 10 Mar 2020 09:41

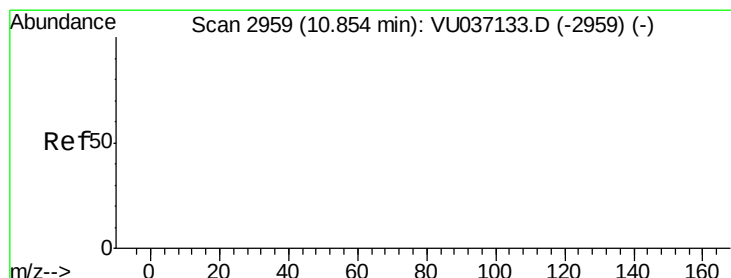
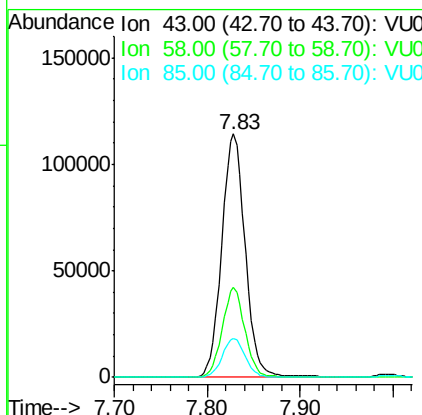
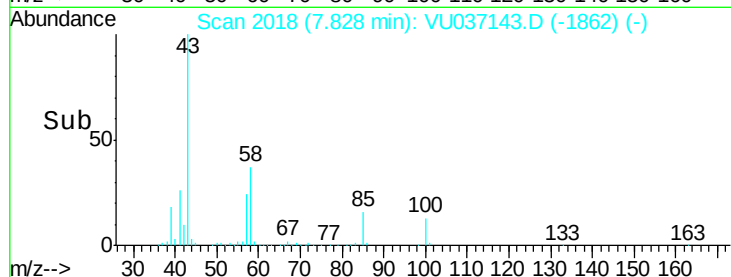
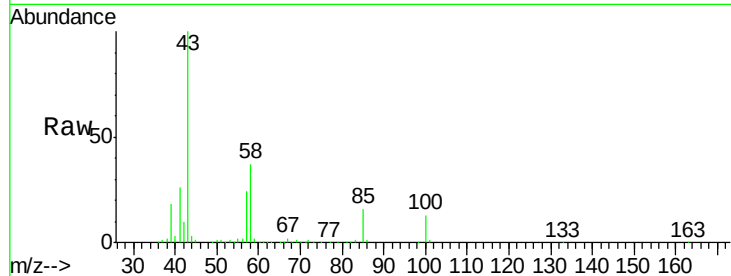
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.6	22.1	66.1
85	15.7	17.4	26.0#

Manual Integrations
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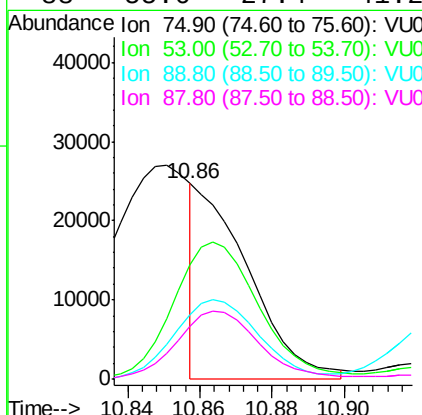
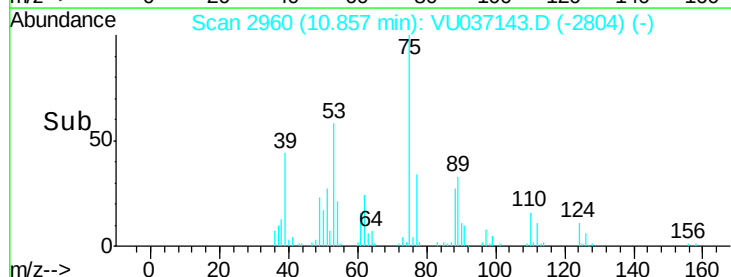
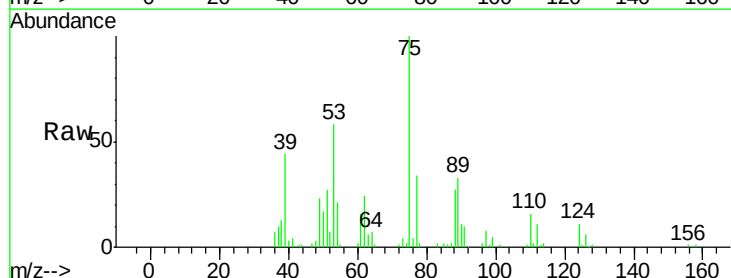
sam

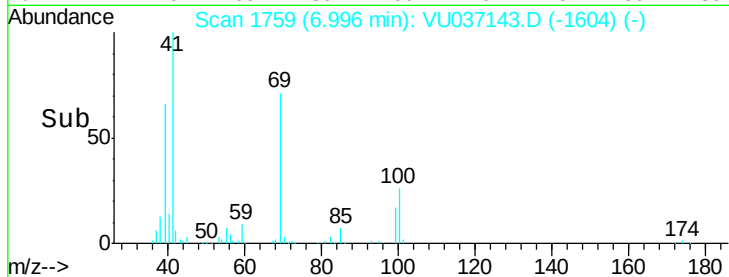
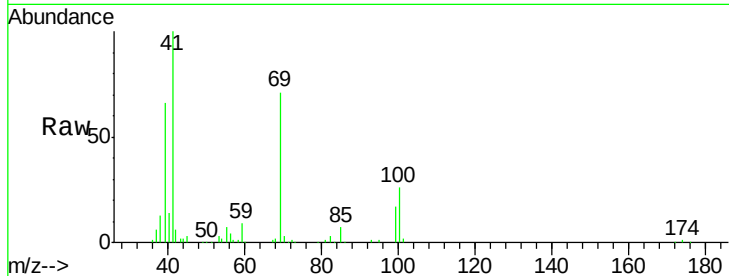
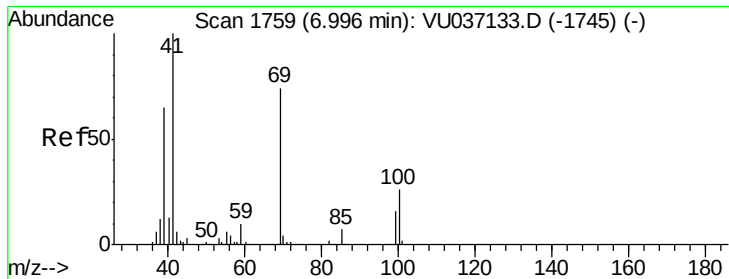
3/11/2020 3:32:03 PM



#46
t-1,4-Dichloro-2-butene
Concen: 24.499 ug/l m
RT: 10.86 min Scan# 2960
Delta R.T. 0.00 min
Lab File: VU037143.D
Acq: 10 Mar 2020 09:41

Tgt Ion	Ratio	Lower	Upper
75	100		
53	115.8	52.2	78.2#
89	66.4	39.8	59.6#
88	55.6	27.4	41.2#





#47

Methyl methacrylate

Concen: 23.152 ug/l

RT: 7.00 min Scan# 1759

Delta R.T. -0.00 min

Lab File: VU037143.D

Acq: 10 Mar 2020 09:41

Tot Ion:	69	Resp:	52354
Ion Ratio	Lower	Upper	
69	100		
41	136.4	0.0	200.8
39	88.4	43.5	65.3#
100	35.3	31.1	46.7

Instrument :

MSVOA_U

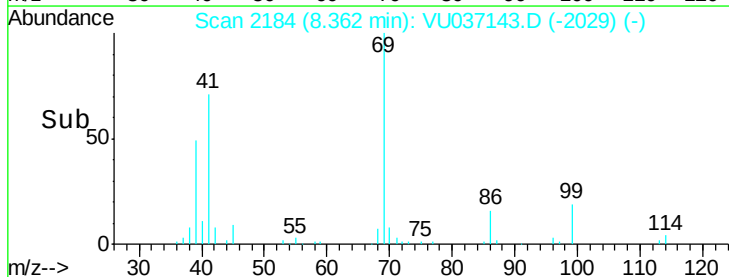
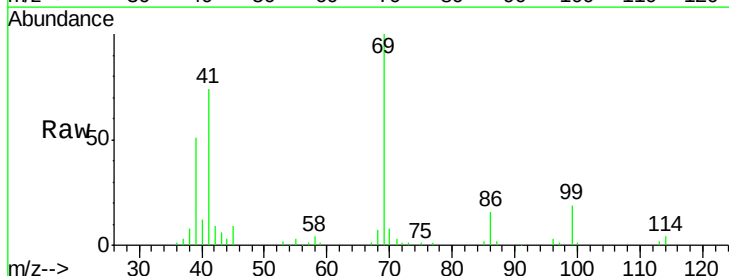
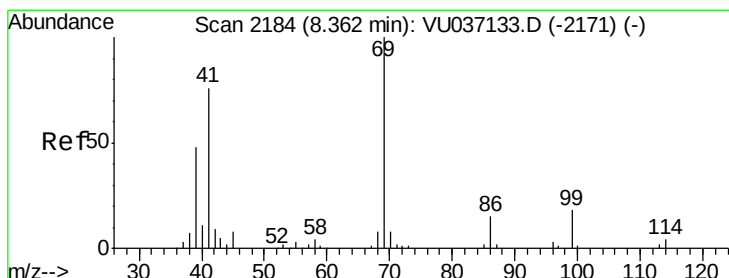
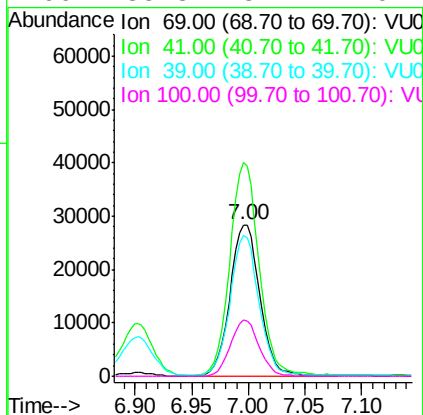
ClientSampleId :

VSTDCCC010

Manual Integrations
APPROVED

sam

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#48

Ethyl methacrylate

Concen: 11.082 ug/l

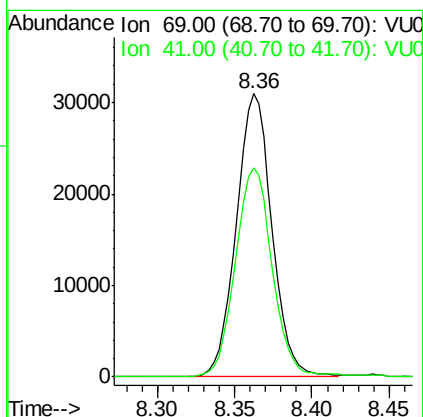
RT: 8.36 min Scan# 2184

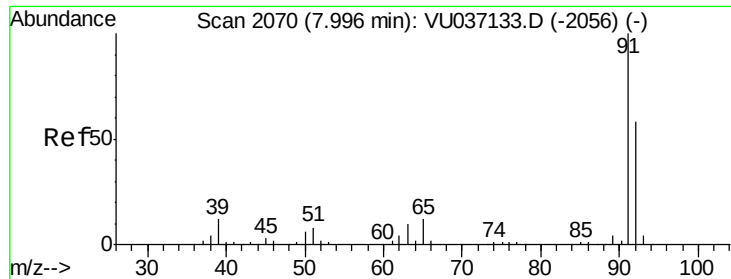
Delta R.T. -0.00 min

Lab File: VU037143.D

Acq: 10 Mar 2020 09:41

Tgt Ion:	69	Resp:	49510
Ion Ratio	Lower	Upper	
69	100		
41	77.0	27.9	83.6





#49

Toluene

Concen: 10.576 ug/l

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU037143.D

Acq: 10 Mar 2020 09:41

Instrument :

MSVOA_U

ClientSampled :

VSTDCCC010

Tot Ion: 92 Resp: 124196

Ion Ratio Lower Upper

92 100

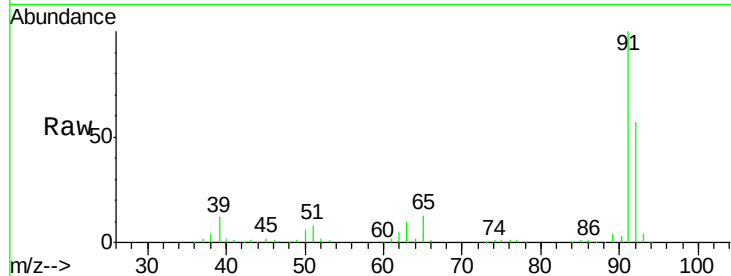
91 175.9 139.1 208.7

Manual Integrations

APPROVED

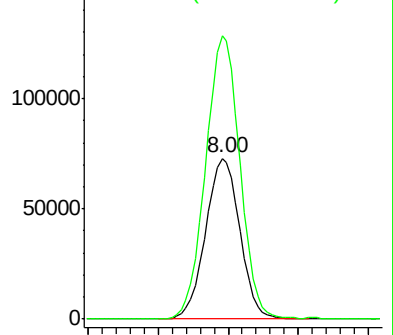
sam

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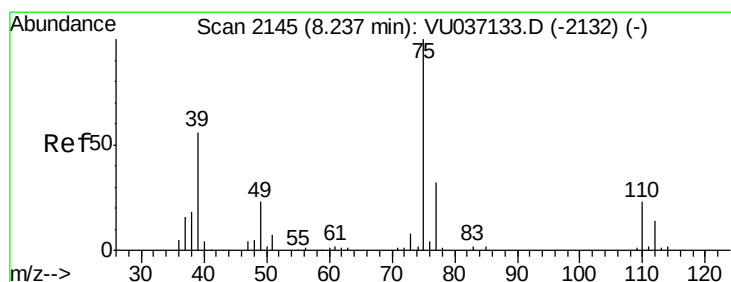
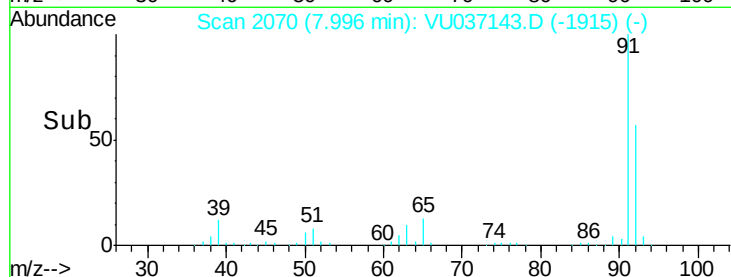


Abundance Ion 92.00 (91.70 to 92.70): VU037143.D (-1915) (-)

Ion 91.00 (90.70 to 91.70): VU037143.D (-1915) (-)



Time-->



#50

t-1,3-Dichloropropene

Concen: 10.856 ug/l

RT: 8.24 min Scan# 2145

Delta R.T. -0.00 min

Lab File: VU037143.D

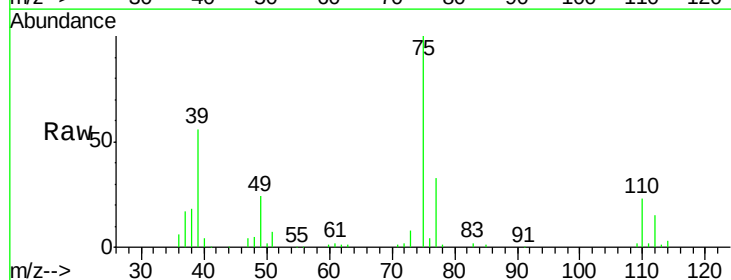
Acq: 10 Mar 2020 09:41

Tgt Ion: 75 Resp: 69664

Ion Ratio Lower Upper

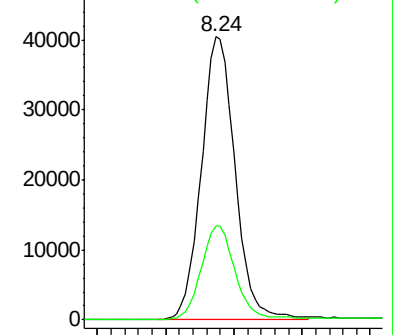
75 100

77 33.2 25.4 38.2

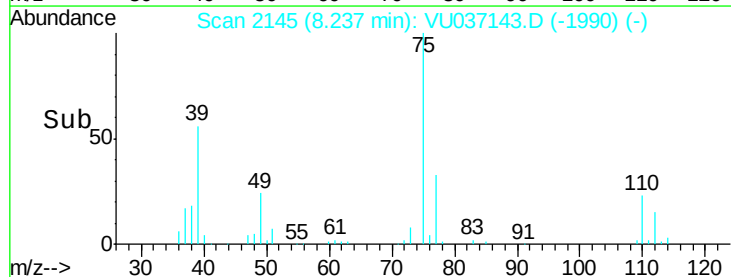


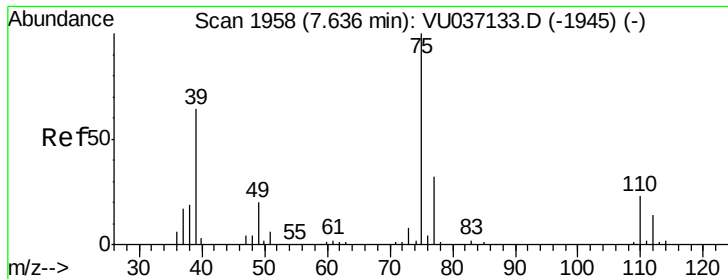
Abundance Ion 75.00 (74.70 to 75.70): VU037143.D (-1990) (-)

Ion 77.00 (76.70 to 77.70): VU037143.D (-1990) (-)



Time-->





#51

cis-1,3-Dichloropropene
Concen: 10.576 ug/l
RT: 7.64 min Scan# 1958
Delta R.T. -0.00 min
Lab File: VU037143.D
Acq: 10 Mar 2020 09:41

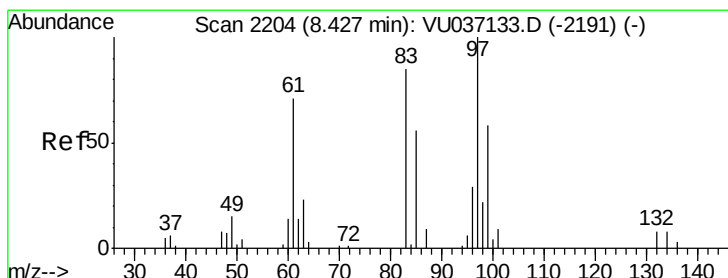
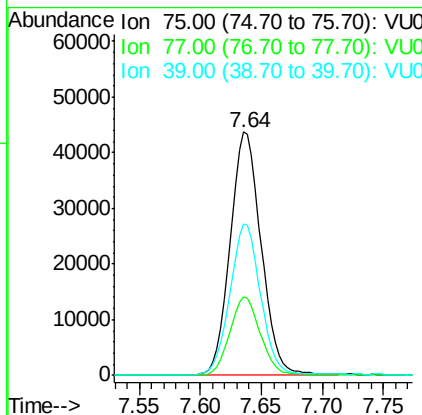
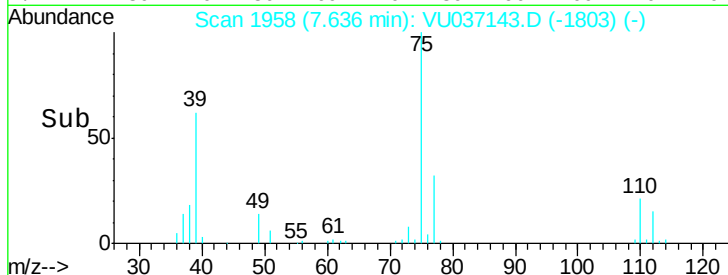
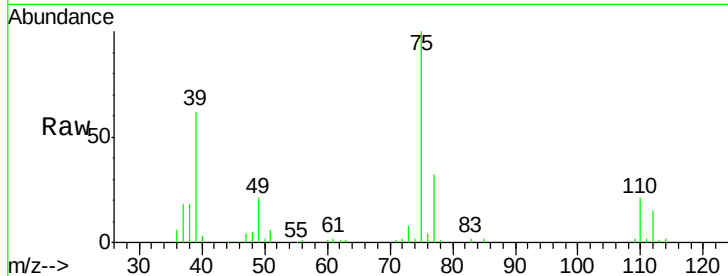
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion:	75	Resp:	77511
Ion Ratio	Lower	Upper	
75	100		
77	32.3	25.3	37.9
39	62.0	31.8	47.6#

Manual Integrations
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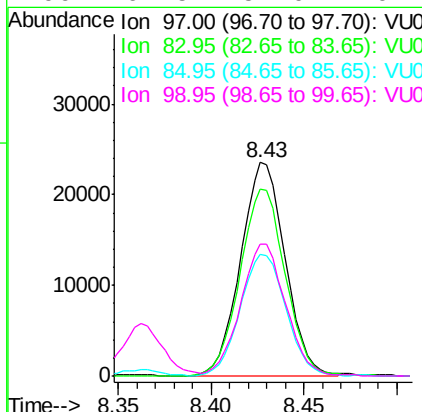
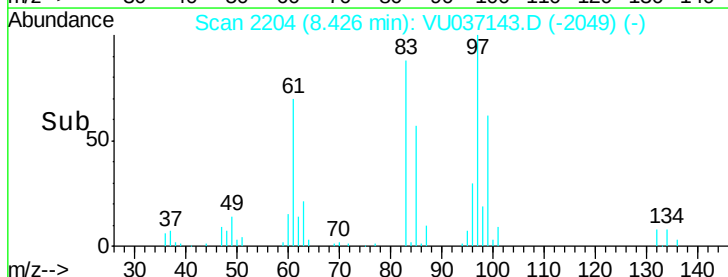
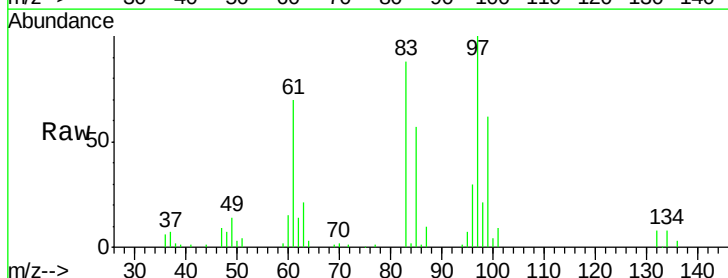
3/11/2020 3:32:03 PM

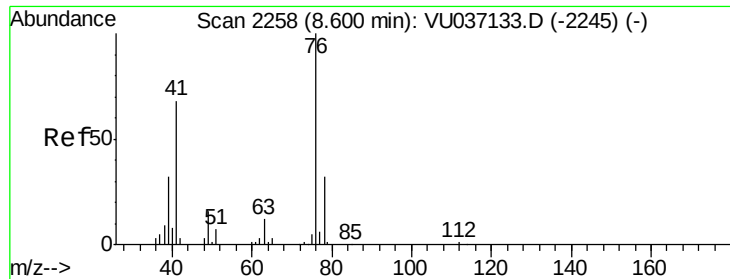


#52

1,1,2-Trichloroethane
Concen: 10.756 ug/l
RT: 8.43 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VU037143.D
Acq: 10 Mar 2020 09:41

Tgt Ion:	97	Resp:	39261
Ion Ratio	Lower	Upper	
97	100		
83	87.7	70.9	106.3
85	56.7	45.6	68.4
99	61.5	51.0	76.4





#53
 1,3-Dichloropropane
 Concen: 10.420 ug/l
 RT: 8.60 min Scan# 2259
 Delta R.T. 0.00 min
 Lab File: VU037143.D
 Acq: 10 Mar 2020 09:41

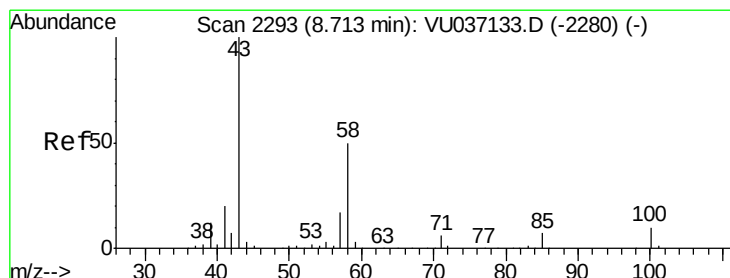
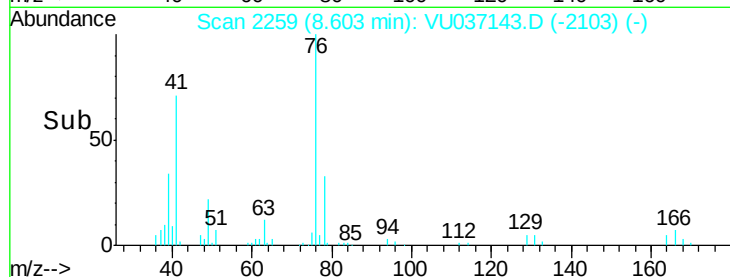
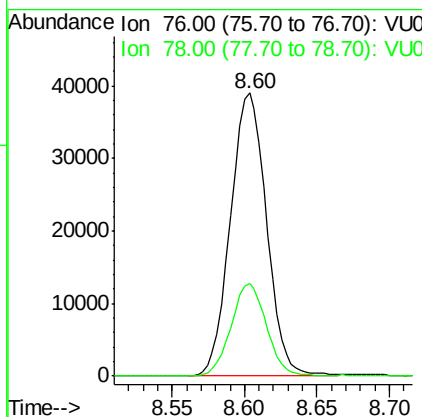
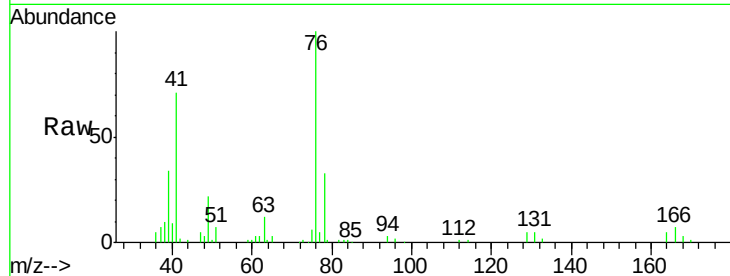
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.4	38.2

Manual Integrations
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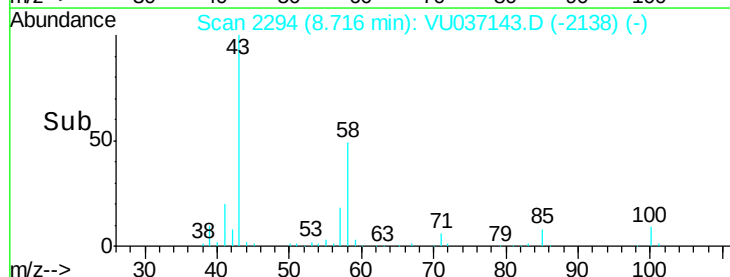
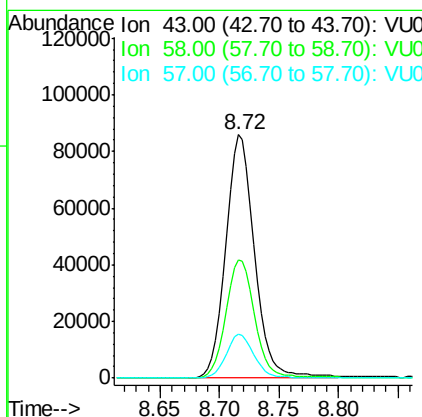
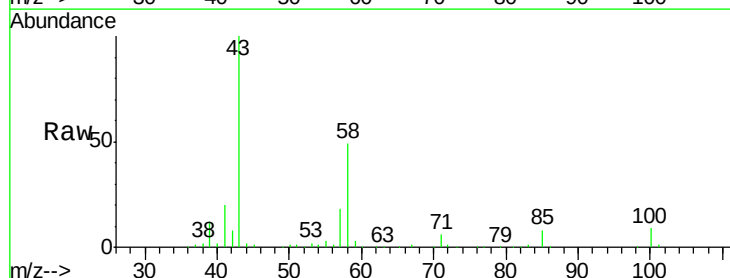
sam

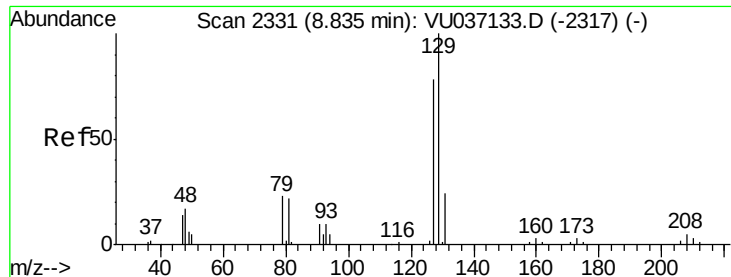
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#54
 2-Hexanone
 Concen: 57.062 ug/l
 RT: 8.72 min Scan# 2294
 Delta R.T. 0.00 min
 Lab File: VU037143.D
 Acq: 10 Mar 2020 09:41

Tgt Ion	Ratio	Lower	Upper
43	100		
58	49.1	40.6	80.6
57	17.5	1.2	41.2





#55
 Dibromochloromethane
 Concen: 10.779 ug/l
 RT: 8.83 min Scan# 2331
 Delta R.T. -0.00 min
 Lab File: VU037143.D
 Acq: 10 Mar 2020 09:41

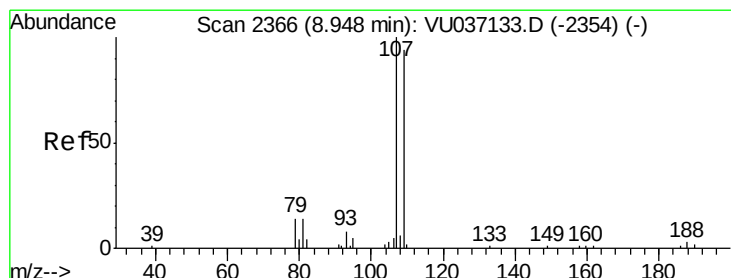
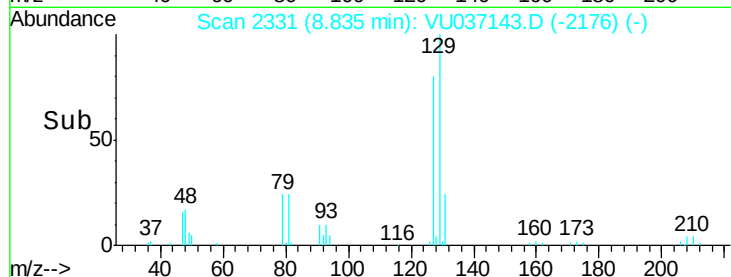
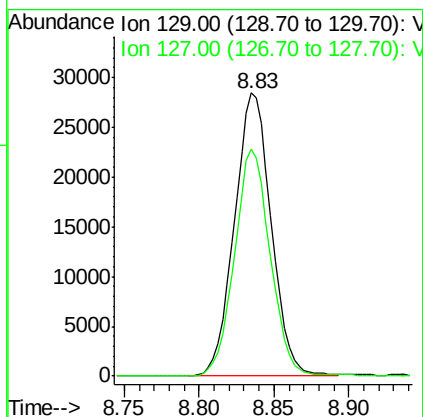
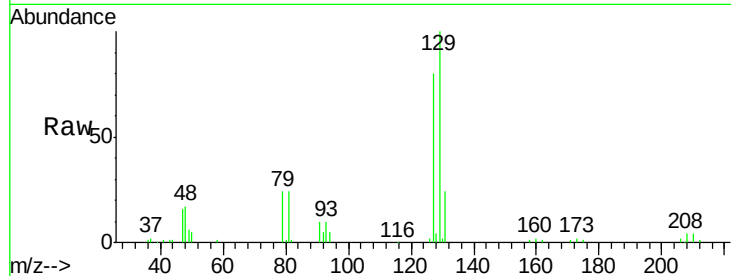
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
129	100			
127	77.6	62.6	94.0	

Manual Integrations
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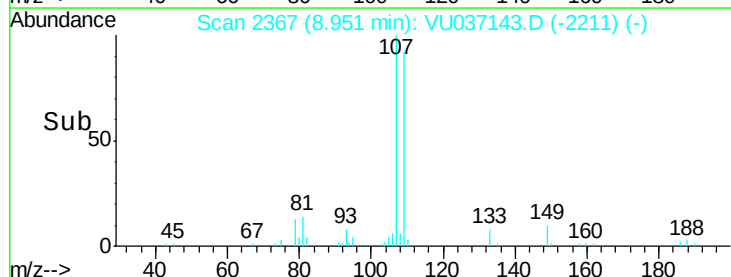
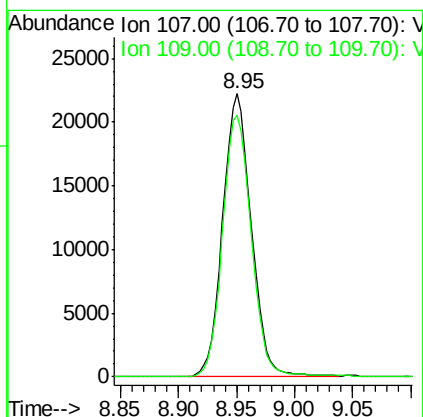
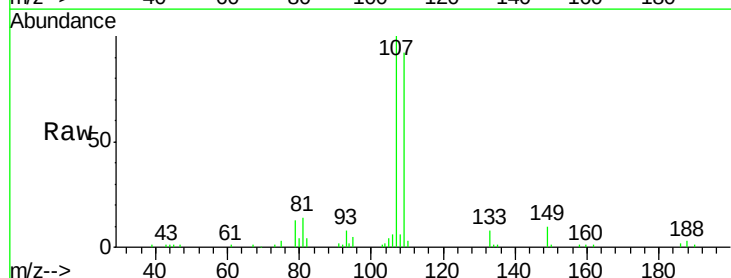
sam

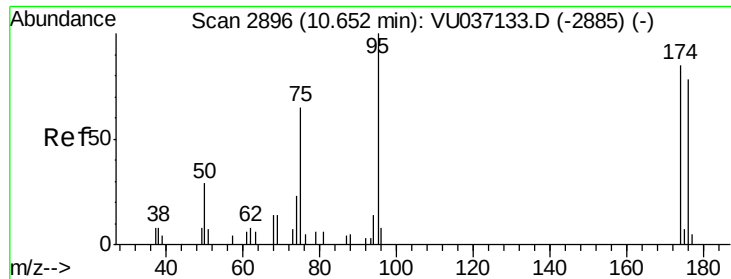
3/11/2020 3:32:03 PM



#56
 1,2-Dibromoethane
 Concen: 10.969 ug/l
 RT: 8.95 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VU037143.D
 Acq: 10 Mar 2020 09:41

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
109	93.5	0.0	190.8	





#57
4-Bromofluorobenzene
Concen: 1.220 ug/l
RT: 10.65 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VU037143.D
Acq: 10 Mar 2020 09:41

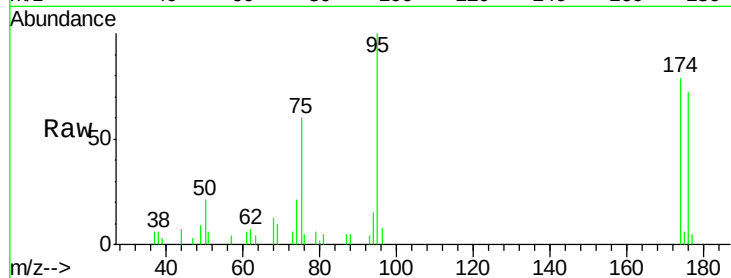
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion:	95	Resp:	7609
Ion	Ratio	Lower	Upper
95	100		
174	75.1	64.7	97.1
176	68.8	60.6	91.0

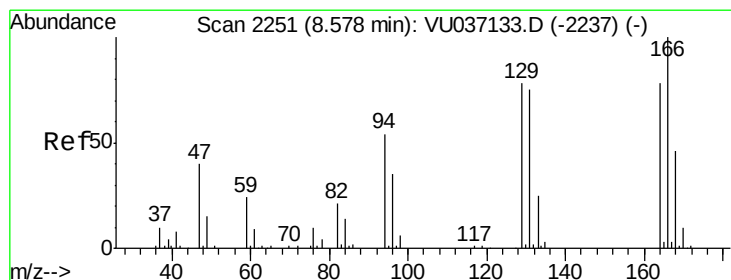
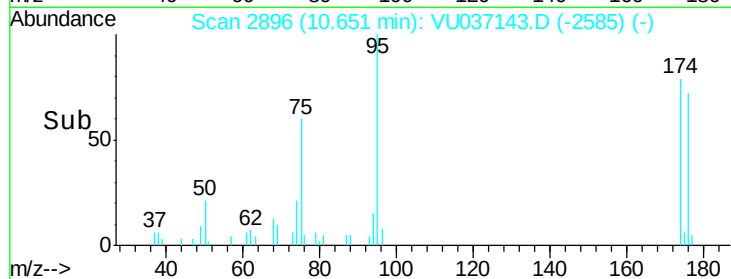
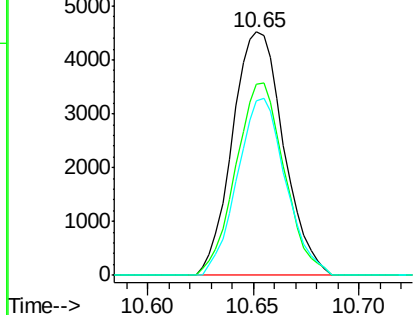
Manual Integrations
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sam

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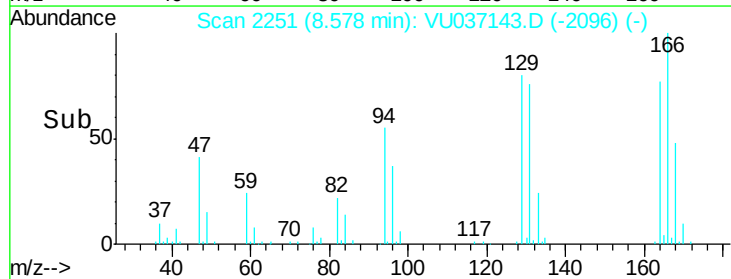
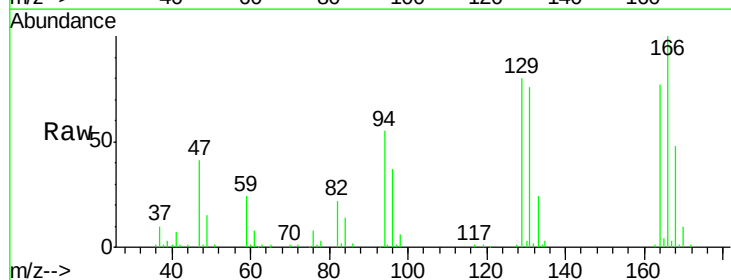
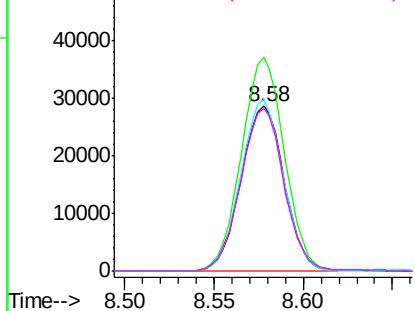
Abundance Ion 95.00 (94.70 to 95.70): VU037143.D (-2885) (-)
Ion 174.00 (173.70 to 174.70): VU037143.D (-2885) (-)
Ion 176.00 (175.70 to 176.70): VU037143.D (-2885) (-)

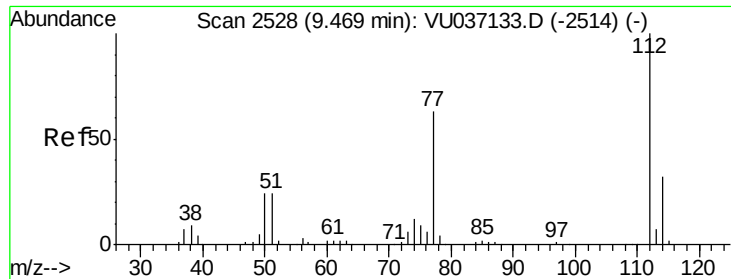


#58
Tetrachloroethene
Concen: 10.119 ug/l
RT: 8.58 min Scan# 2251
Delta R.T. -0.00 min
Lab File: VU037143.D
Acq: 10 Mar 2020 09:41

Tgt Ion:	164	Resp:	48462
Ion	Ratio	Lower	Upper
164	100		
166	129.7	102.0	153.0
129	104.1	74.9	112.3
131	98.8	72.6	108.8

Abundance Ion 163.85 (163.55 to 164.55): VU037143.D (-2096) (-)
Ion 165.80 (165.50 to 166.50): VU037143.D (-2096) (-)
Ion 128.90 (128.60 to 129.60): VU037143.D (-2096) (-)
Ion 130.90 (130.60 to 131.60): VU037143.D (-2096) (-)





#59
Chlorobenzene
Concen: 10.266 ug/l
RT: 9.47 min Scan# 2529
Delta R.T. 0.00 min
Lab File: VU037143.D
Acq: 10 Mar 2020 09:41

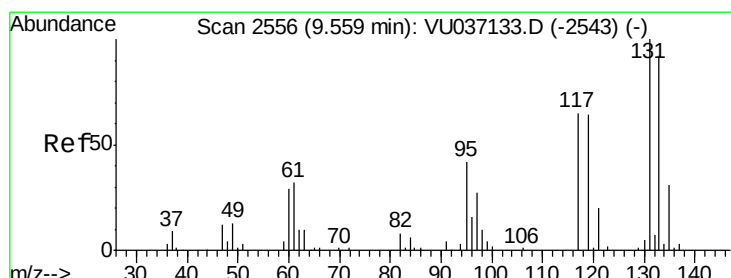
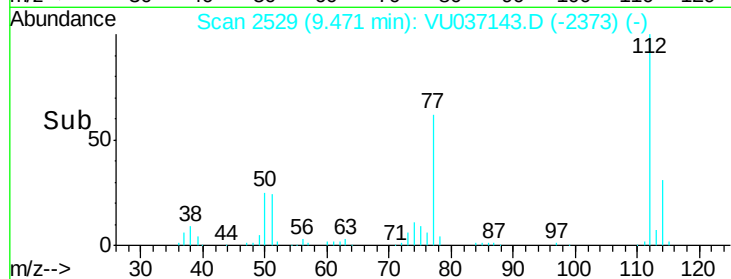
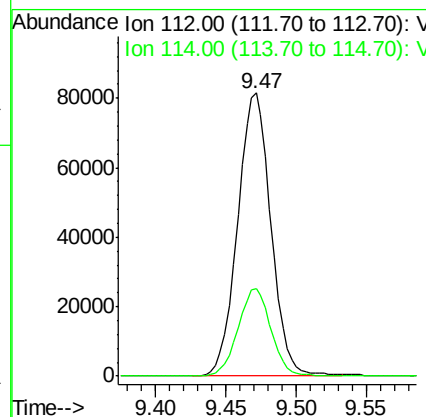
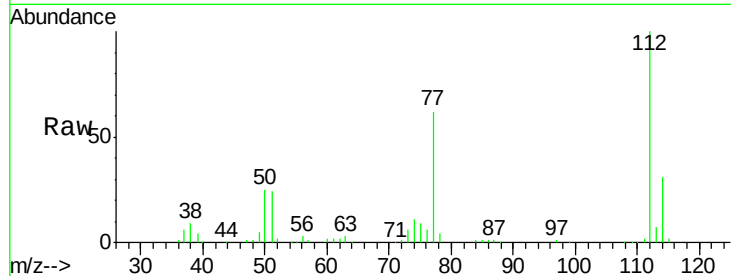
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.1	25.8	38.8

Manual Integrations
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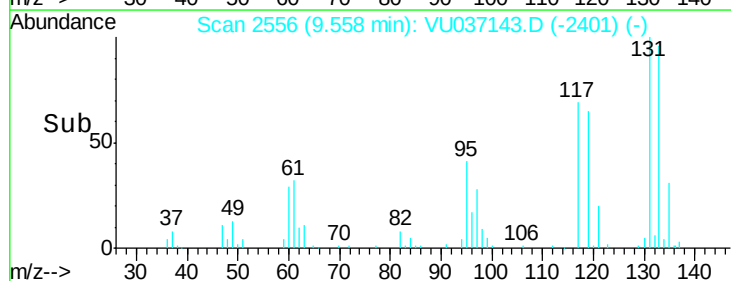
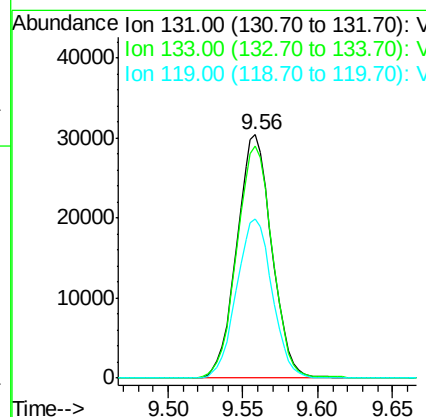
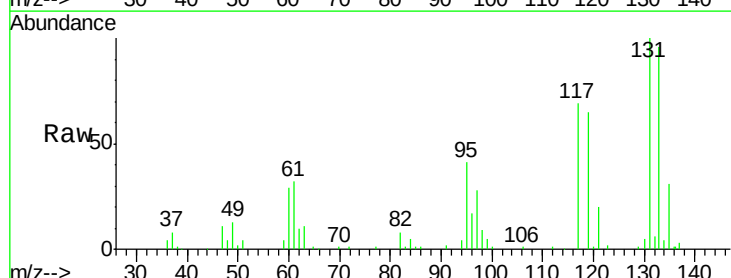
sam

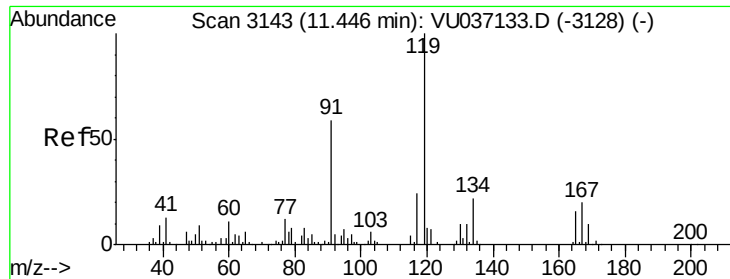
3/11/2020 3:32:03 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 10.316 ug/l
RT: 9.56 min Scan# 2556
Delta R.T. -0.00 min
Lab File: VU037143.D
Acq: 10 Mar 2020 09:41

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.3	76.4	114.6
119	66.6	56.6	85.0





#61
 Pentachloroethane
 Concen: 10.145 ug/l
 RT: 11.45 min Scan# 3143
 Delta R.T. -0.00 min
 Lab File: VU037143.D
 Acq: 10 Mar 2020 09:41

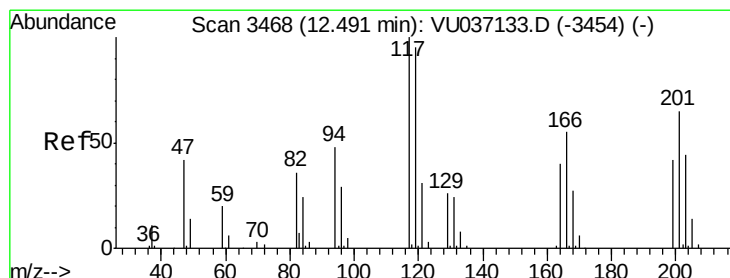
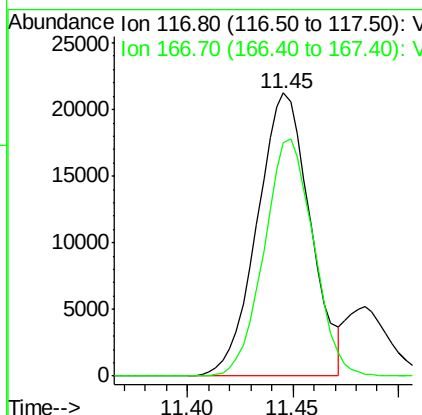
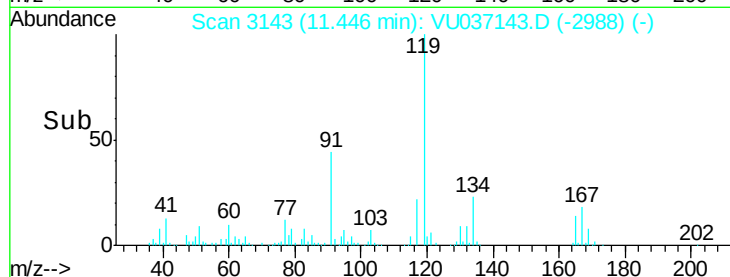
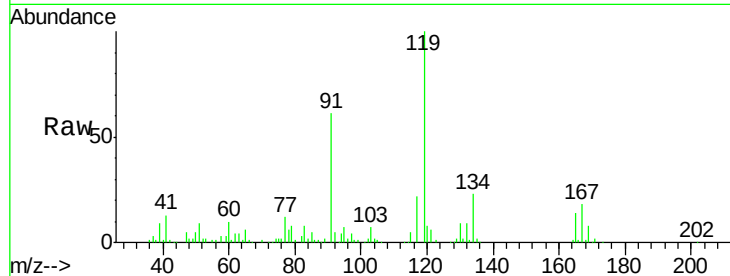
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion:117 Resp: 37134
 Ion Ratio Lower Upper
 117 100
 167 78.1 66.7 100.1

Manual Integrations
 APPROVED

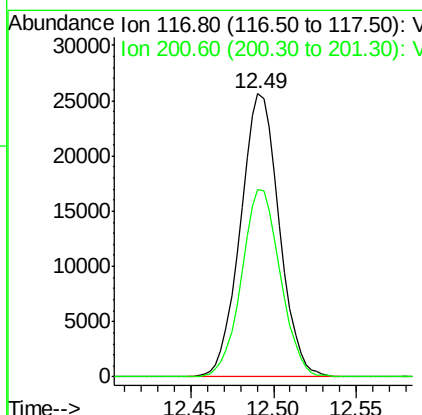
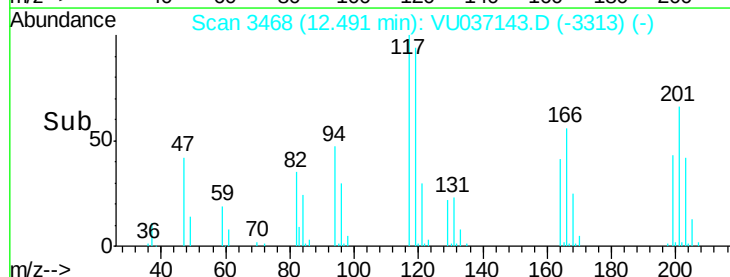
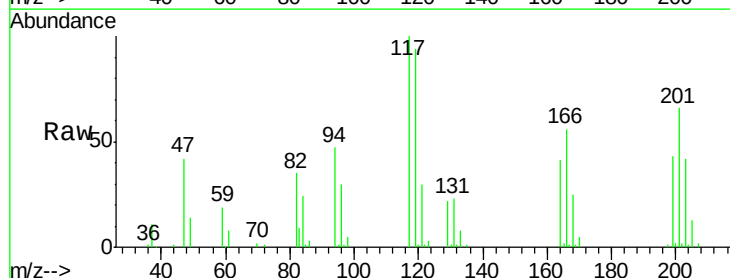
sam

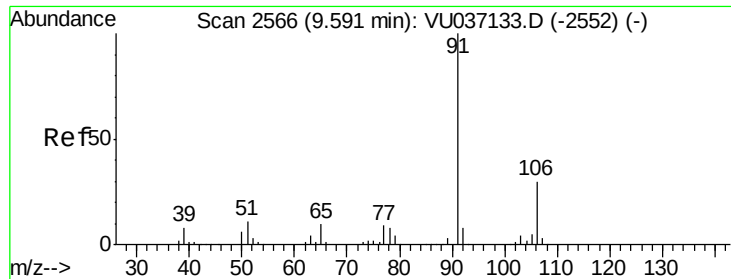
3/11/2020 3:32:03 PM



#62
 Hexachloroethane
 Concen: 10.627 ug/l
 RT: 12.49 min Scan# 3468
 Delta R.T. -0.00 min
 Lab File: VU037143.D
 Acq: 10 Mar 2020 09:41

Tgt Ion:117 Resp: 41641
 Ion Ratio Lower Upper
 117 100
 201 66.1 65.0 97.4





#63
Ethyl Benzene
Concen: 10.865 ug/l
RT: 9.59 min Scan# 2567
Delta R.T. 0.00 min
Lab File: VU037143.D
Acq: 10 Mar 2020 09:41

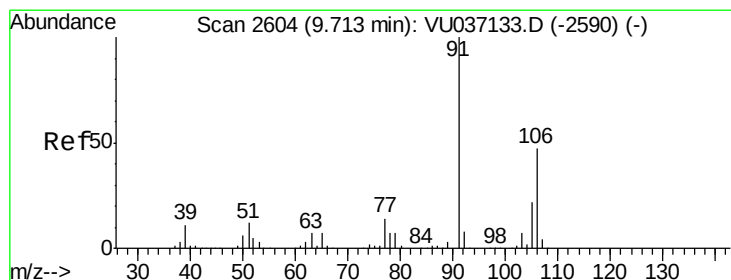
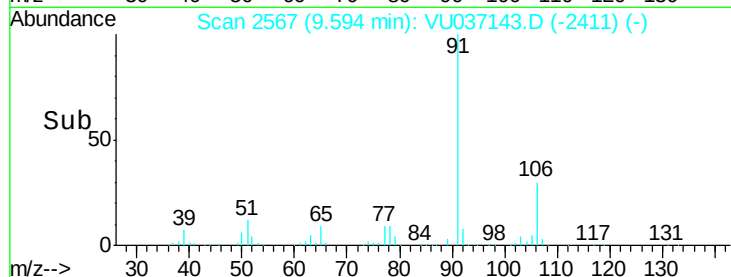
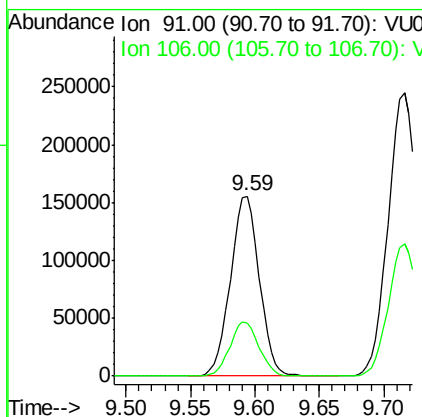
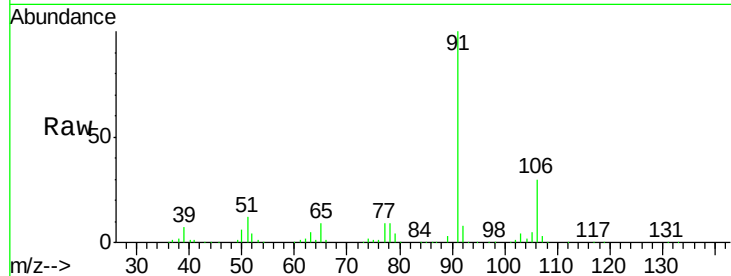
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 243089
Ion Ratio Lower Upper
91 100
106 29.8 26.0 39.0

Manual Integrations
APPROVED

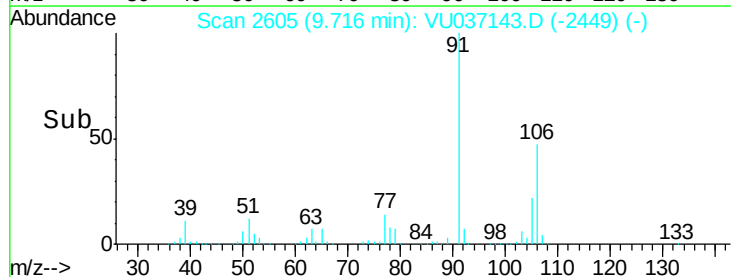
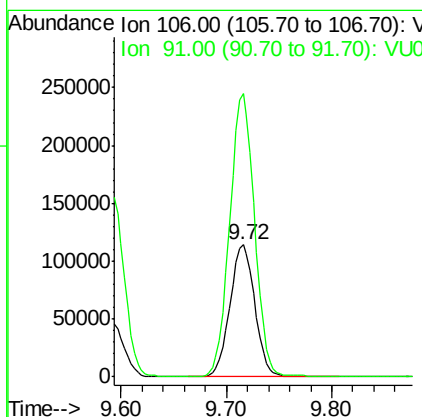
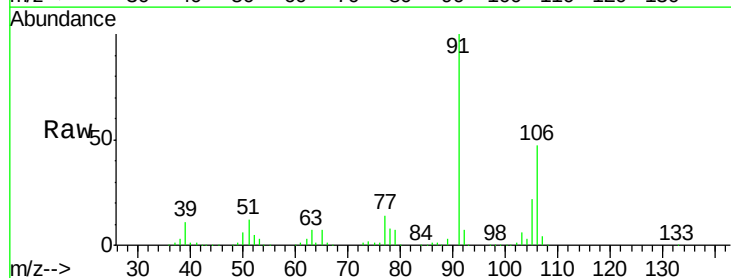
sam

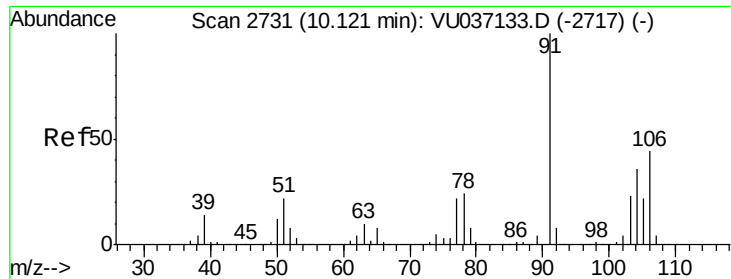
3/11/2020 3:32:03 PM



#64
m/p-Xylenes
Concen: 22.001 ug/l
RT: 9.72 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VU037143.D
Acq: 10 Mar 2020 09:41

Tgt Ion: 106 Resp: 186345
Ion Ratio Lower Upper
106 100
91 213.0 158.2 237.4





#65
o-Xylene
Concen: 10.865 ug/l
RT: 10.12 min Scan# 2731
Delta R.T. -0.00 min
Lab File: VU037143.D
Acq: 10 Mar 2020 09:41

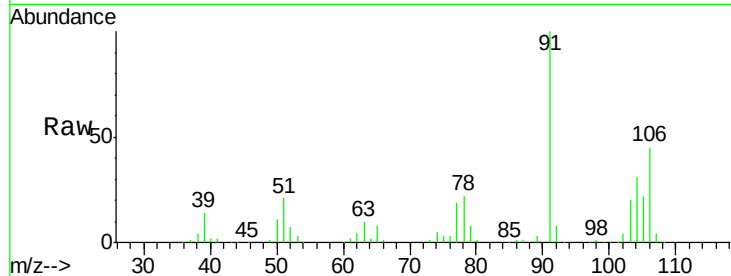
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion:106 Resp: 88796
Ion Ratio Lower Upper
106 100
91 224.3 104.3 312.9

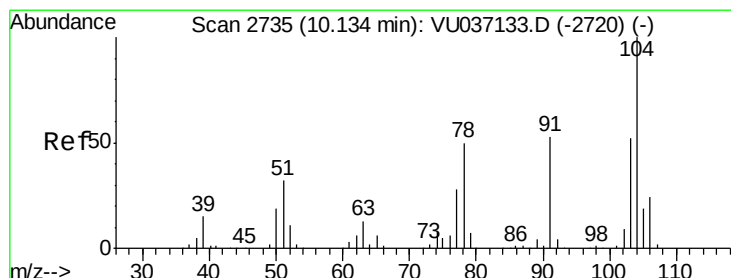
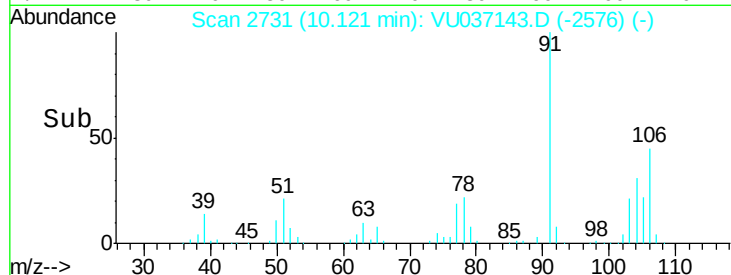
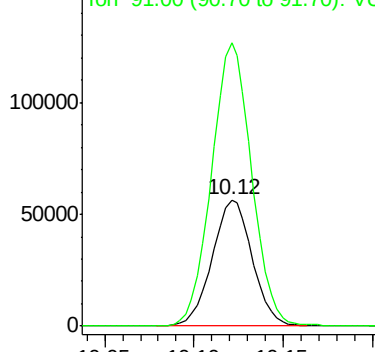
Manual Integrations
APPROVED

sam

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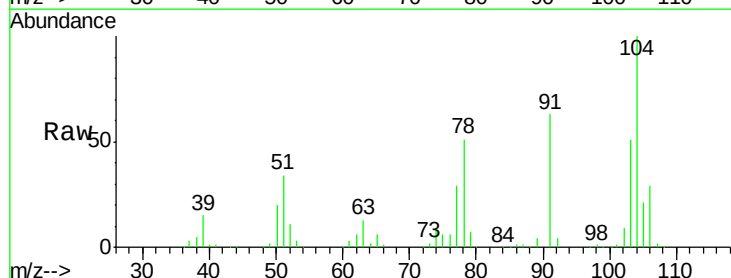


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

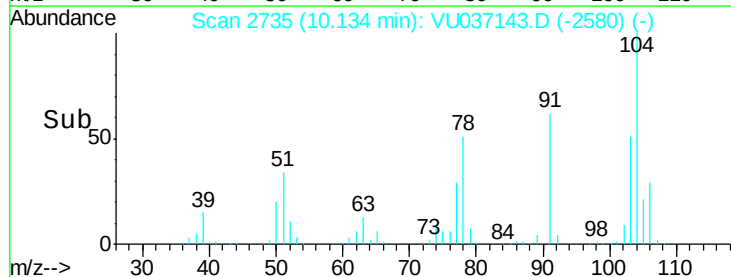
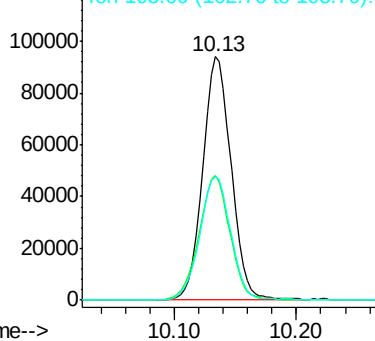


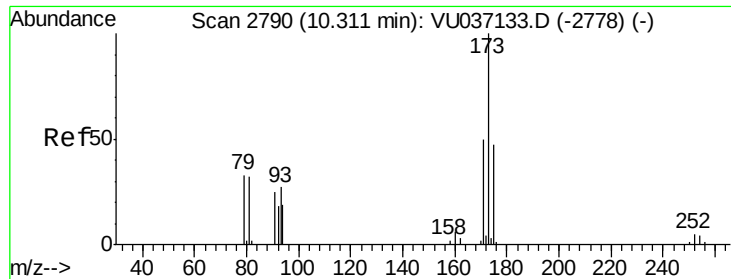
#66
Styrene
Concen: 11.369 ug/l
RT: 10.13 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VU037143.D
Acq: 10 Mar 2020 09:41

Tgt Ion:104 Resp: 152081
Ion Ratio Lower Upper
104 100
78 55.8 38.6 57.8
103 55.1 44.4 66.6



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





#67
Bromoform
Concen: 11.180 ug/l
RT: 10.31 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VU037143.D
Acq: 10 Mar 2020 09:41

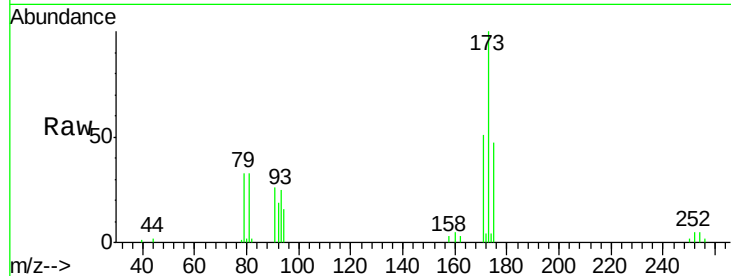
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	38.3	57.5
254	4.4	6.6	9.8

Manual Integrations
APPROVED

sam

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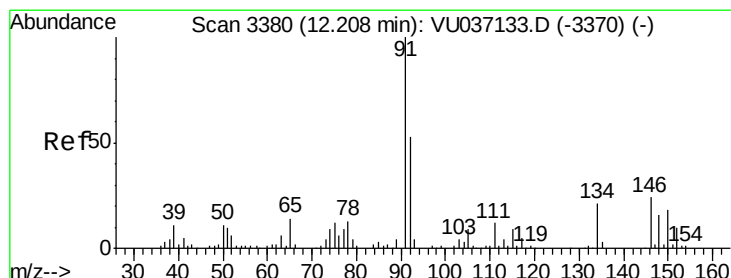
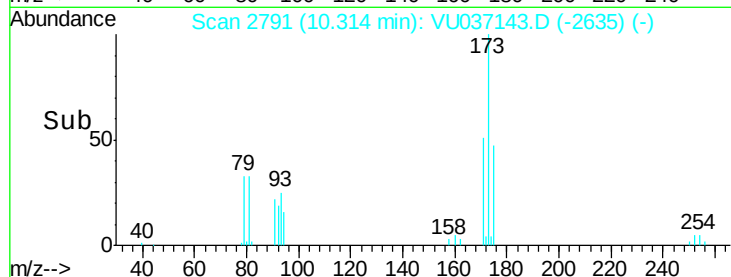
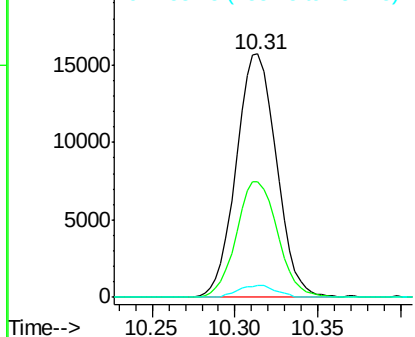


Abundance

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: 1.001 ug/l
RT: 12.21 min Scan# 3380
Delta R.T. -0.00 min
Lab File: VU037143.D
Acq: 10 Mar 2020 09:41

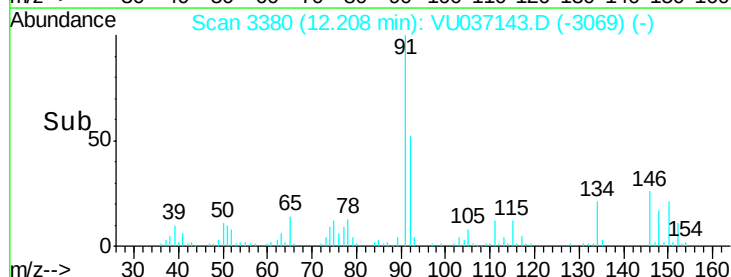
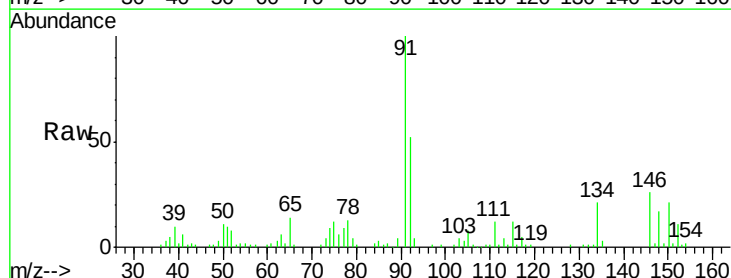
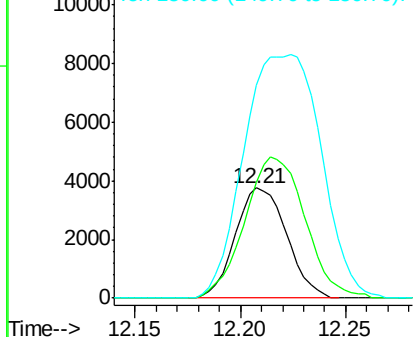
Tgt Ion	Ratio	Lower	Upper
152	100		
115	150.7	0.0	241.8
150	332.0	0.0	652.4

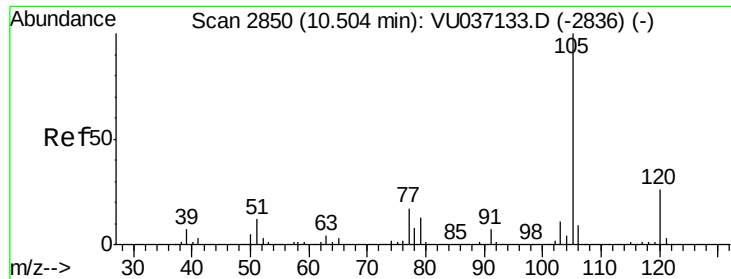
Abundance

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: 10.840 ug/l

RT: 10.50 min Scan# 2850

Delta R.T. -0.00 min

Lab File: VU037143.D

Acq: 10 Mar 2020 09:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 241471

Ion Ratio Lower Upper

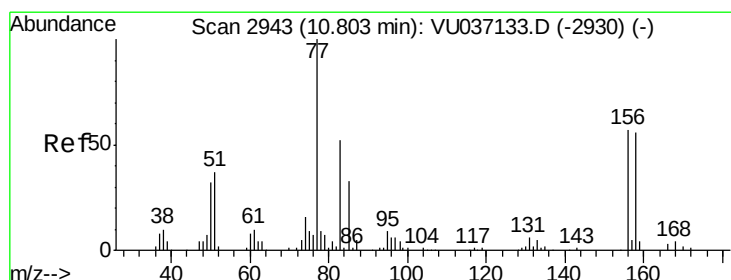
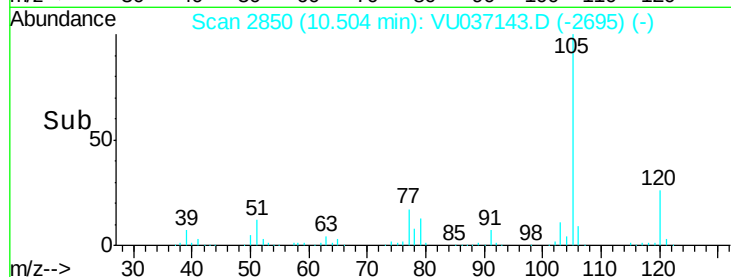
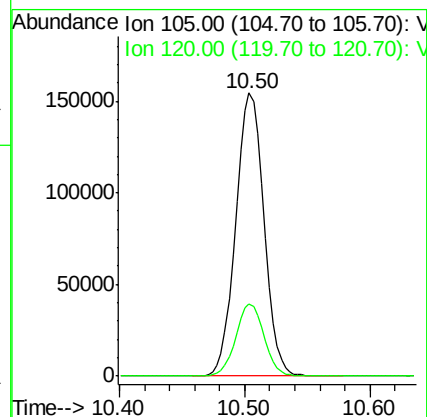
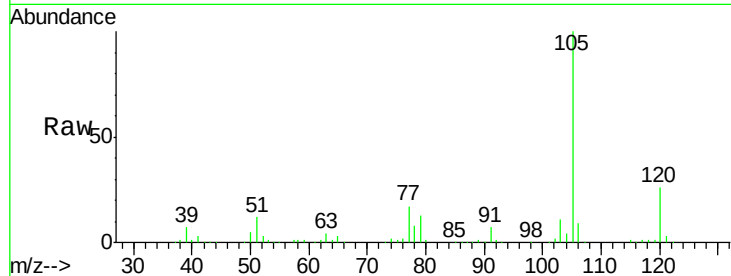
105 100

120 25.5 13.6 40.7

Manual Integrations
APPROVED

sam

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#70

1,1,2,2-Tetrachloroethane

Concen: 10.807 ug/l

RT: 10.80 min Scan# 2943

Delta R.T. -0.00 min

Lab File: VU037143.D

Acq: 10 Mar 2020 09:41

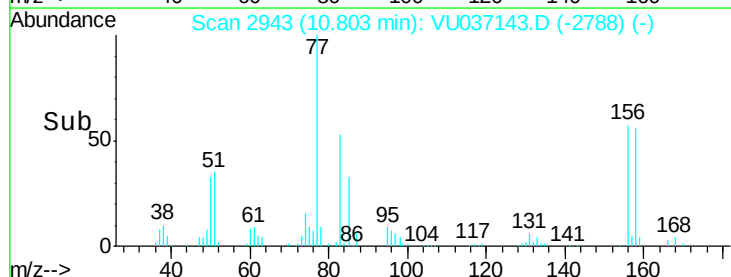
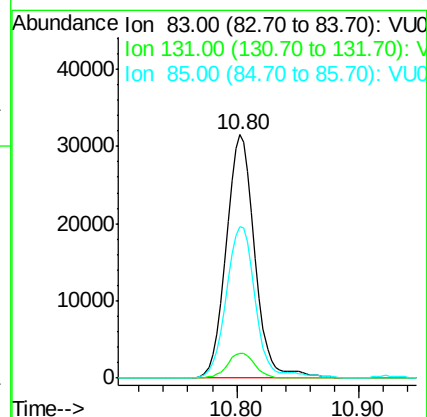
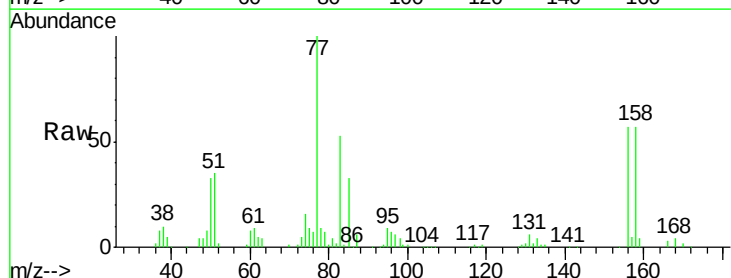
Tgt Ion: 83 Resp: 51886

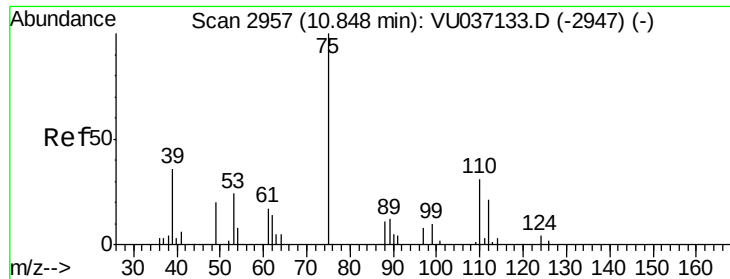
Ion Ratio Lower Upper

83 100

131 9.8 7.8 11.8

85 62.3 53.2 79.8





#71
1,2,3-Trichloropropane
Concen: 12.028 ug/l m
RT: 10.85 min Scan# 2958
Delta R.T. 0.00 min
Lab File: VU037143.D
Acq: 10 Mar 2020 09:41

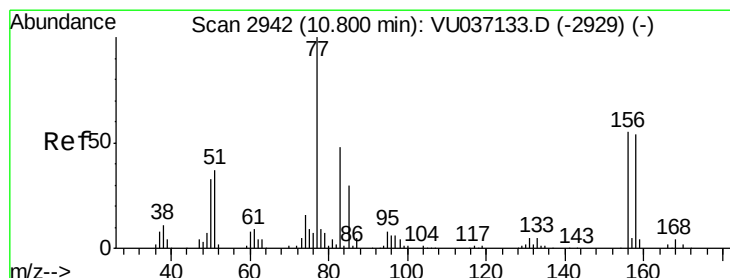
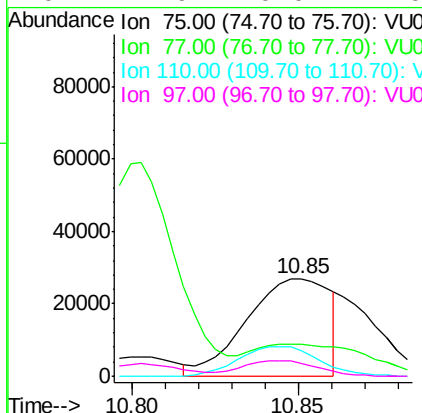
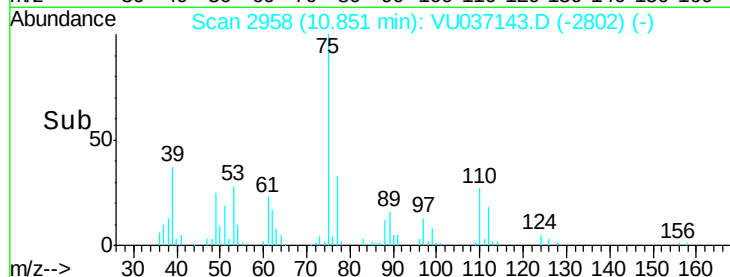
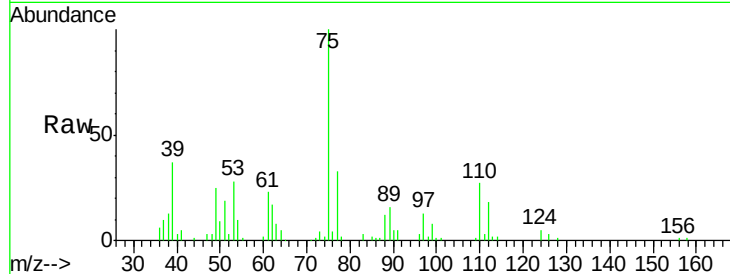
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
75	75	100		
77	77	45.9	0.0	129.6
110	110	29.5	0.0	77.4
97	97	14.9	0.0	42.0

Manual Integrations
APPROVED

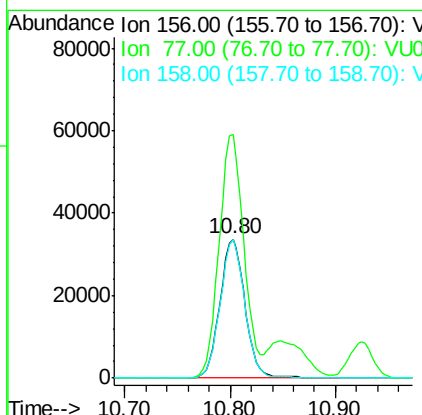
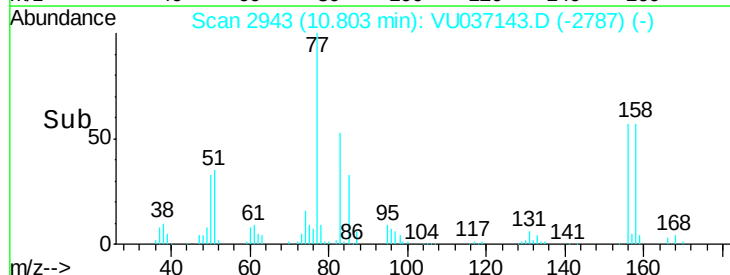
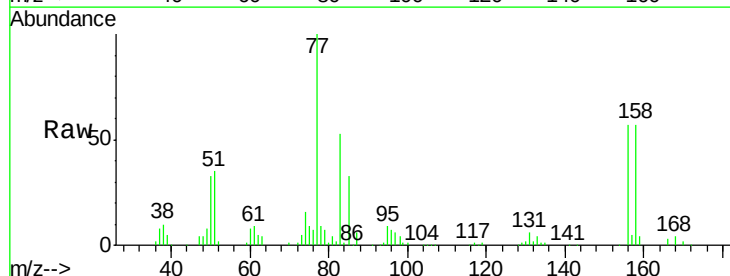
sam

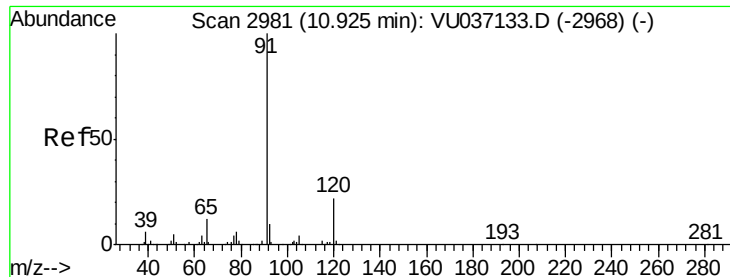
3/11/2020 3:32:03 PM



#72
Bromobenzene
Concen: 10.276 ug/l
RT: 10.80 min Scan# 2943
Delta R.T. 0.00 min
Lab File: VU037143.D
Acq: 10 Mar 2020 09:41

Tgt Ion	Ion	Ratio	Lower	Upper
156	156	100		
77	77	175.2	0.0	306.6
158	158	97.8	0.0	192.0





#73

n-propylbenzene

Concen: 11.366 ug/l

RT: 10.92 min Scan# 2981

Delta R.T. -0.00 min

Lab File: VU037143.D

Acq: 10 Mar 2020 09:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion:120 Resp: 67118

Ion Ratio Lower Upper

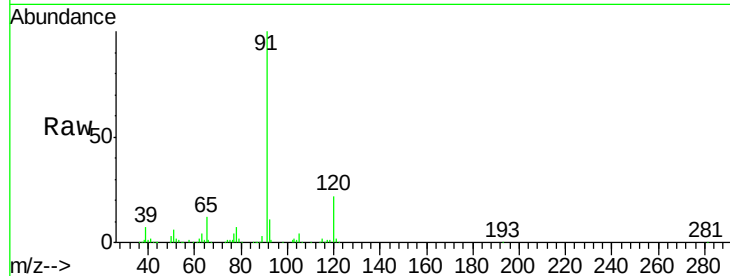
120 100

91 458.8 329.5 494.3

Manual Integrations
APPROVED

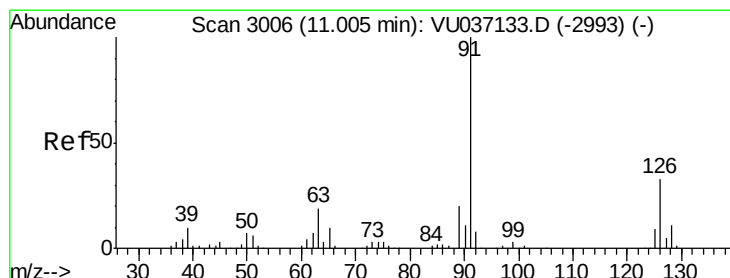
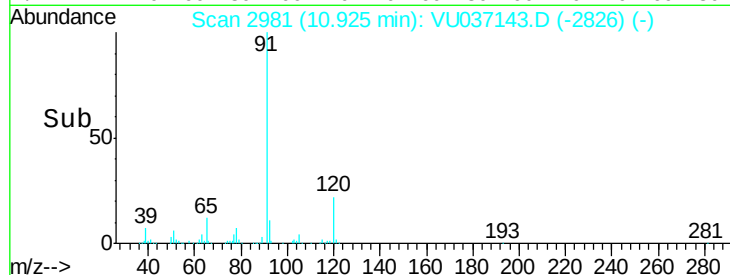
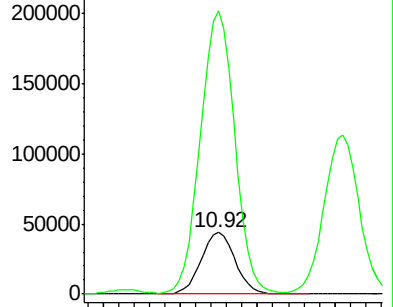
sam

3/11/2020 3:32:03 PM



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 10.897 ug/l

RT: 11.01 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU037143.D

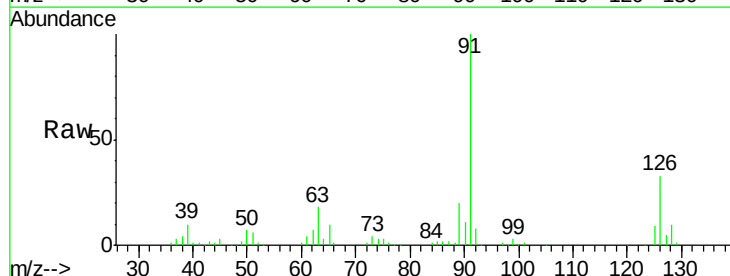
Acq: 10 Mar 2020 09:41

Tgt Ion:126 Resp: 58246

Ion Ratio Lower Upper

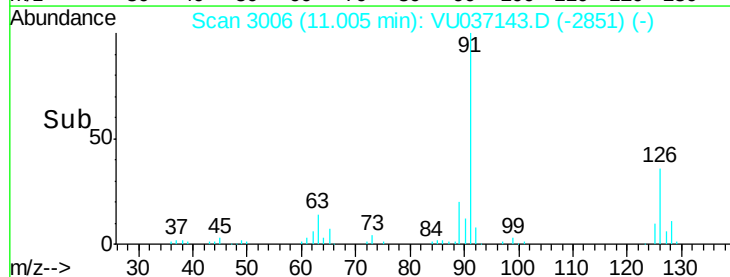
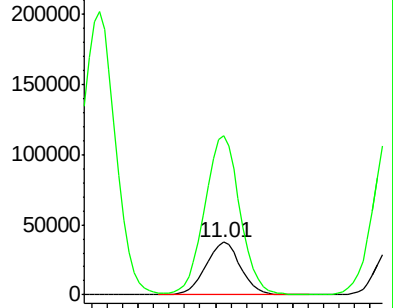
126 100

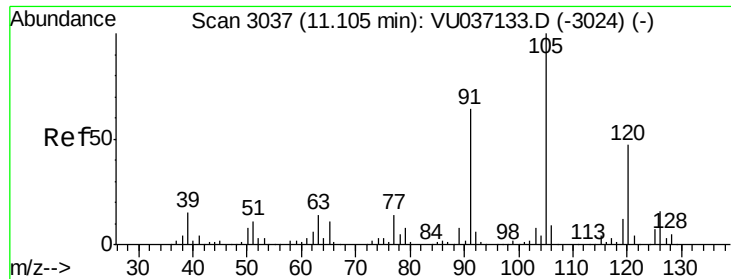
91 305.2 0.0 567.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 11.126 ug/l

RT: 11.10 min Scan# 3037

Delta R.T. -0.00 min

Lab File: VU037143.D

Acq: 10 Mar 2020 09:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 214585

Ion Ratio Lower Upper

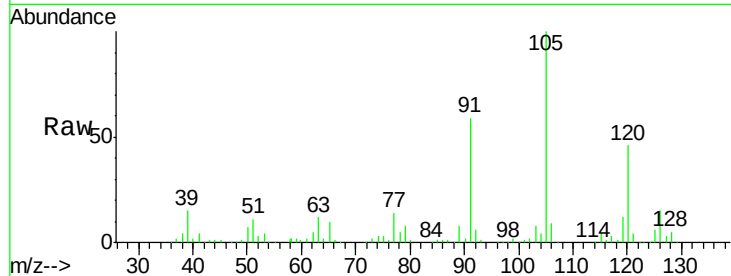
105 100

120 46.2 39.8 59.8

Manual Integrations
APPROVED

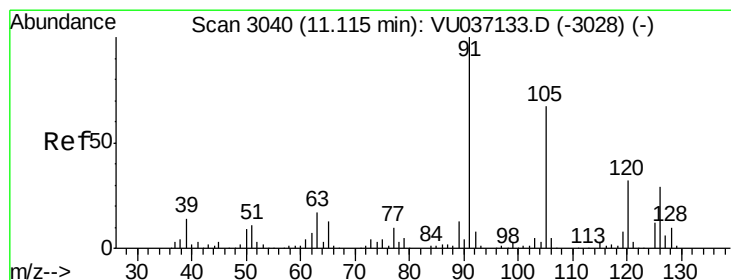
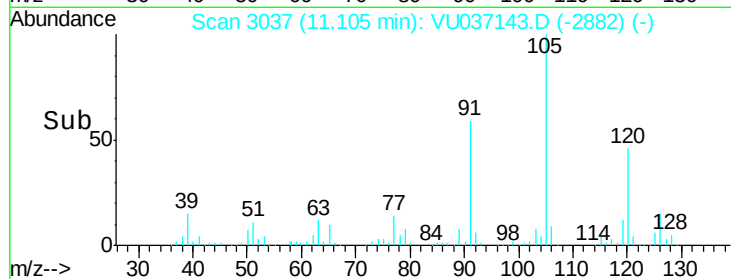
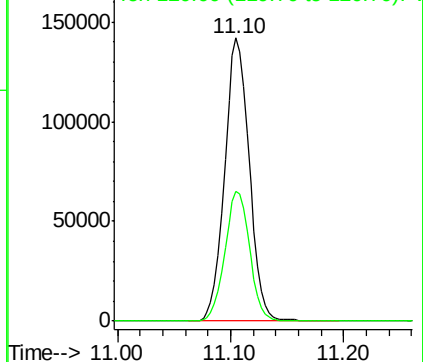
sam

3/11/2020 3:32:03 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 11.206 ug/l

RT: 11.11 min Scan# 3040

Delta R.T. -0.00 min

Lab File: VU037143.D

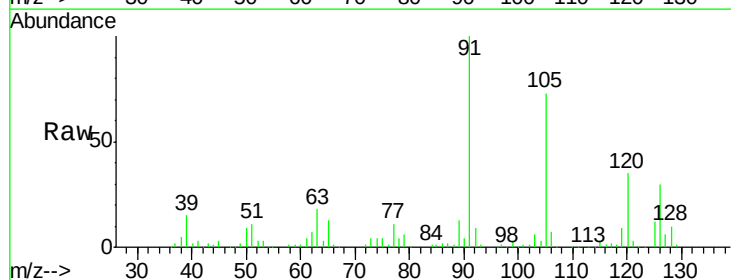
Acq: 10 Mar 2020 09:41

Tgt Ion:126 Resp: 60297

Ion Ratio Lower Upper

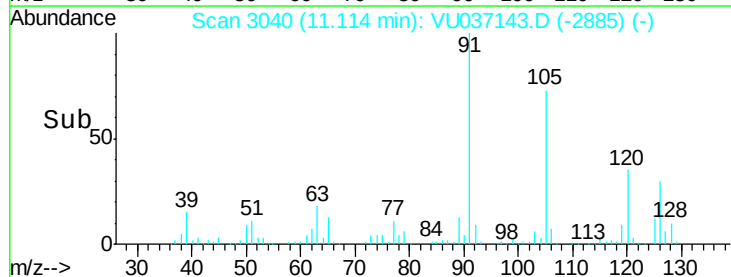
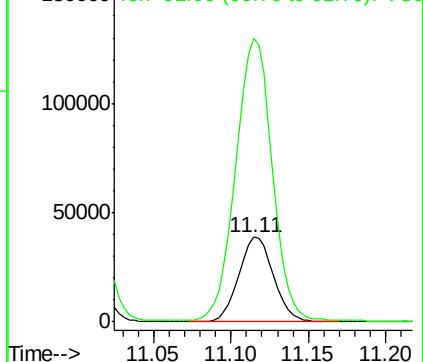
126 100

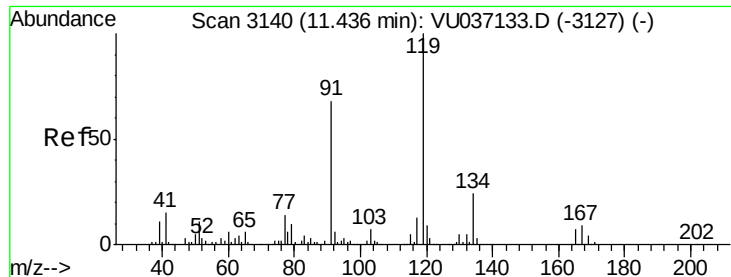
91 357.3 0.0 633.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77

tert-Butylbenzene

Concen: 10.597 ug/l

RT: 11.44 min Scan# 3141

Delta R.T. 0.00 min

Lab File: VU037143.D

Acq: 10 Mar 2020 09:41

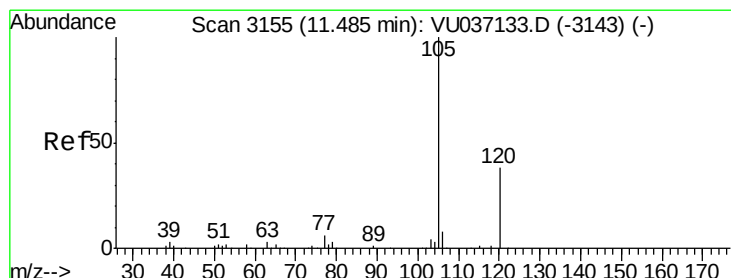
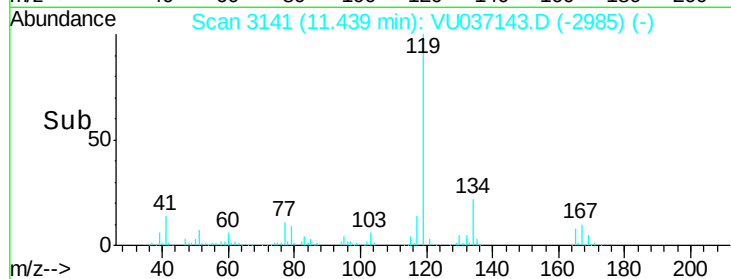
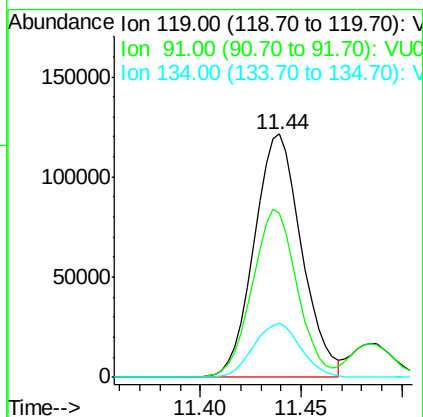
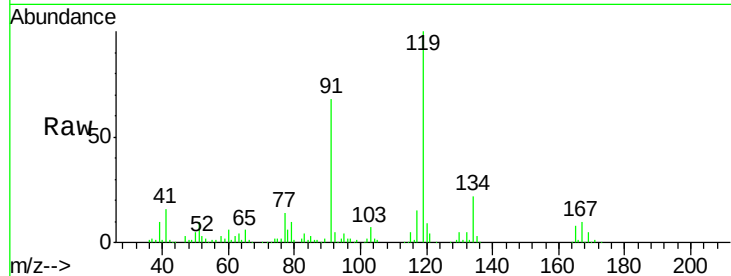
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.5	29.3	87.8
134	22.3	19.0	28.4

Manual Integrations
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#78

1,2,4-Trimethylbenzene

Concen: 11.450 ug/l

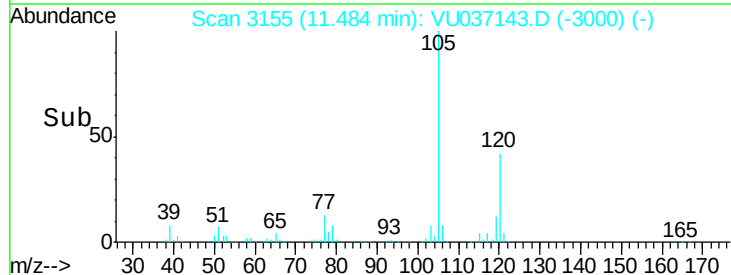
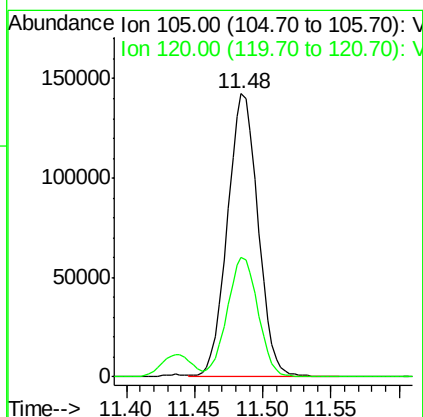
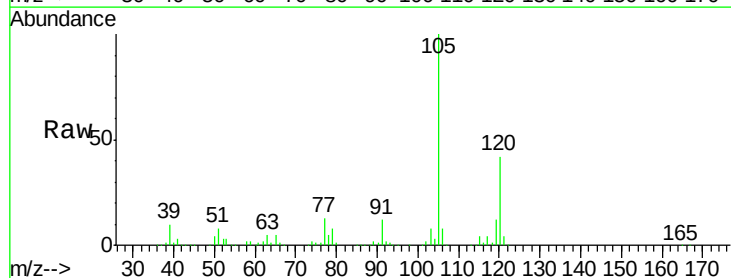
RT: 11.48 min Scan# 3155

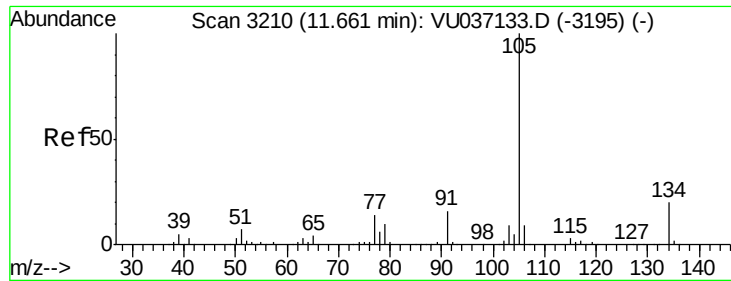
Delta R.T. -0.00 min

Lab File: VU037143.D

Acq: 10 Mar 2020 09:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.6	23.3	69.8





#79

sec-Butylbenzene

Concen: 10.882 ug/l

RT: 11.66 min Scan# 3210

Delta R.T. -0.00 min

Lab File: VU037143.D

Acq: 10 Mar 2020 09:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 278390

Ion Ratio Lower Upper

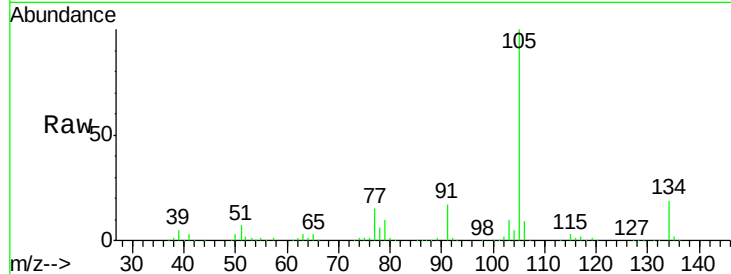
105 100

134 19.4 16.0 24.0

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.66

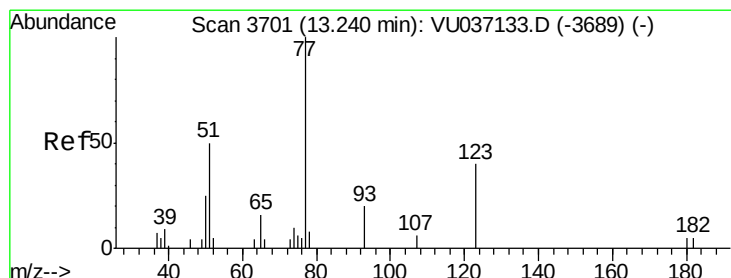
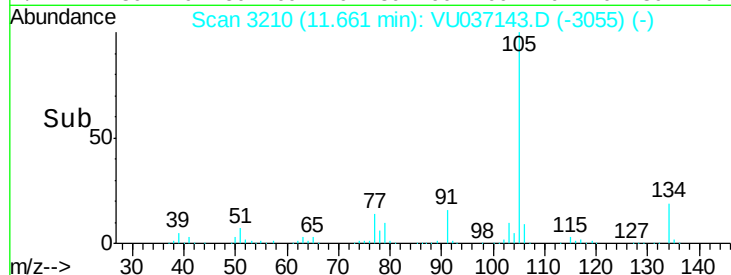
150000

100000

50000

0

Time-->



#80

Nitrobenzene

Concen: 48.225 ug/l

RT: 13.24 min Scan# 3702

Delta R.T. 0.00 min

Lab File: VU037143.D

Acq: 10 Mar 2020 09:41

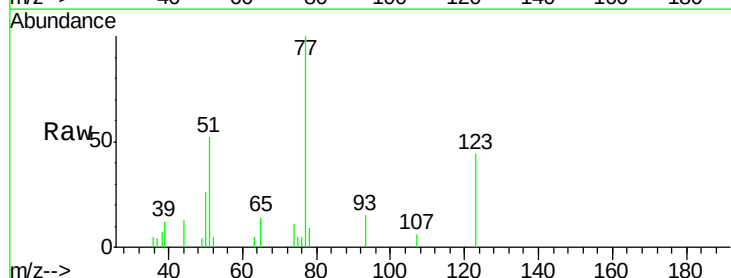
Tgt Ion: 77 Resp: 5068

Ion Ratio Lower Upper

77 100

123 37.3 19.6 69.6

65 14.9 12.7 16.1



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

13.24

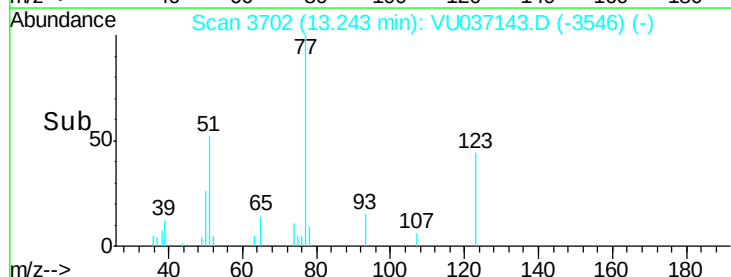
3000

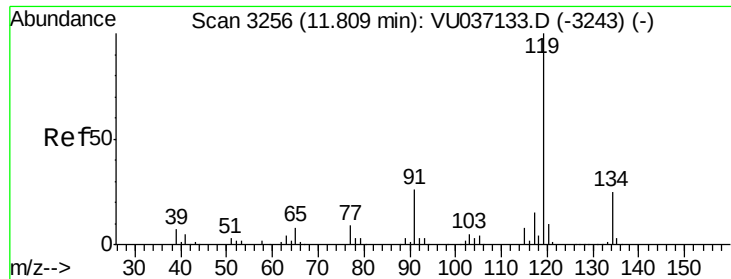
2000

1000

0

Time-->





#81

p-Isopropyltoluene

Concen: 11.390 ug/l

RT: 11.81 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VU037143.D

Acq: 10 Mar 2020 09:41

Instrument :

MSVOA_U

ClientSampleId :

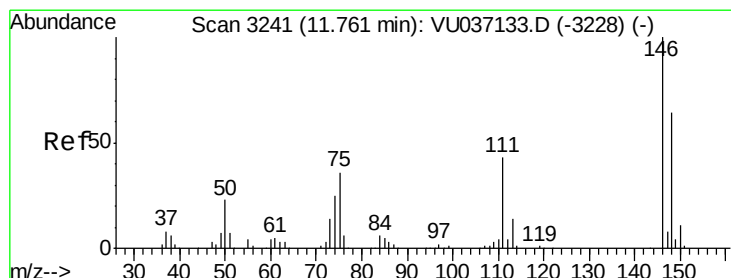
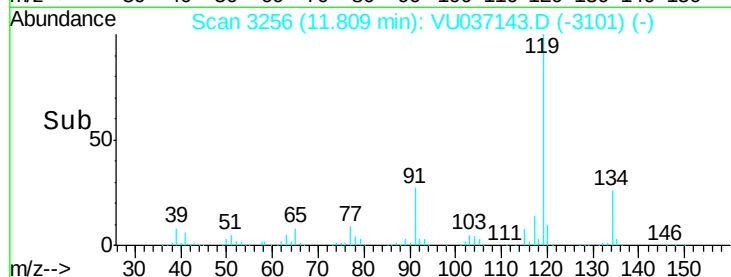
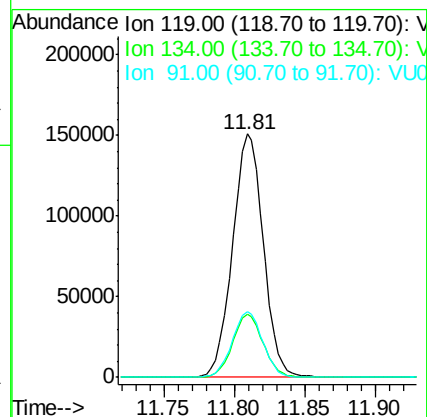
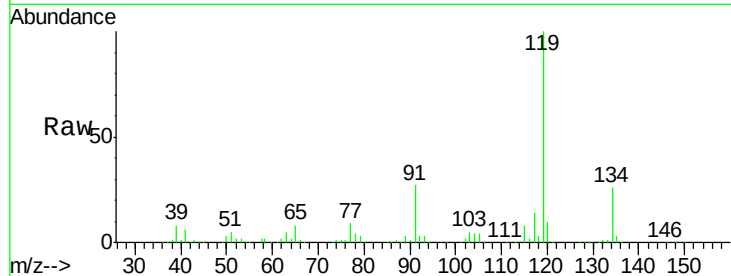
VSTDCCC010

Tot Ion:	119	Resp:	229656
Ion Ratio	Lower	Upper	
119	100		
134	25.7	21.4	32.0
91	26.8	18.3	27.5

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#82

1,3-Dichlorobenzene

Concen: 10.543 ug/l

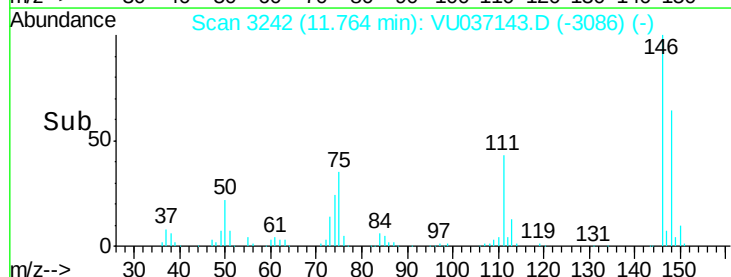
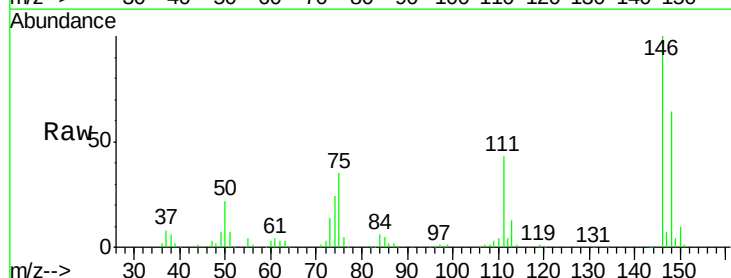
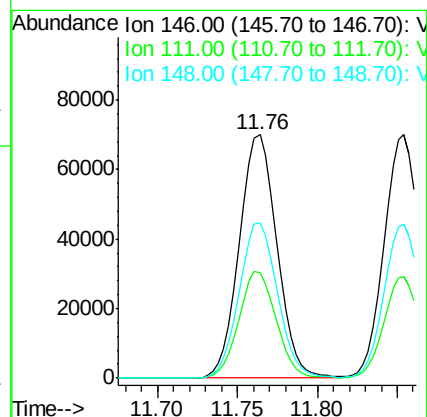
RT: 11.76 min Scan# 3242

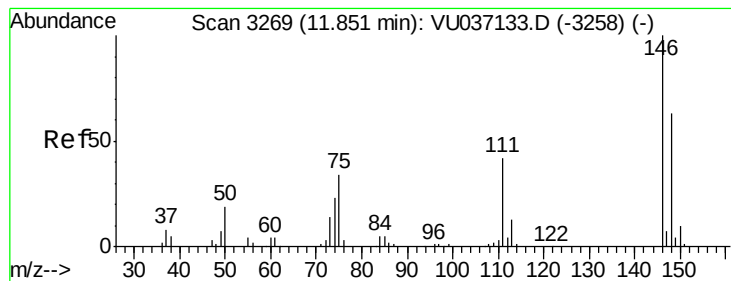
Delta R.T. 0.00 min

Lab File: VU037143.D

Acq: 10 Mar 2020 09:41

Tgt Ion:	146	Resp:	112597
Ion Ratio	Lower	Upper	
146	100		
111	43.4	32.2	48.2
148	64.8	51.4	77.2





#83

1,4-Dichlorobenzene

Concen: 10.525 ug/l

RT: 11.85 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU037143.D

Acq: 10 Mar 2020 09:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 146 Resp: 113888

Ion Ratio Lower Upper

146 100

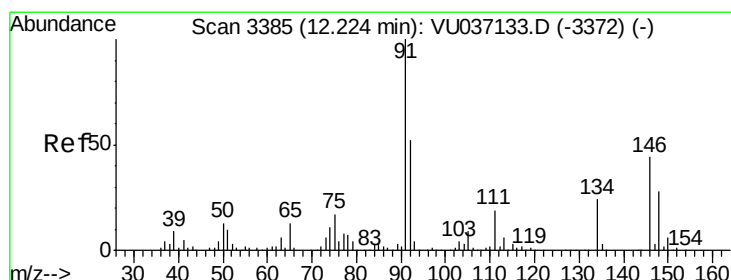
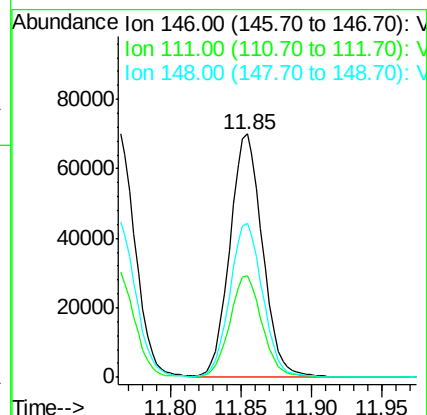
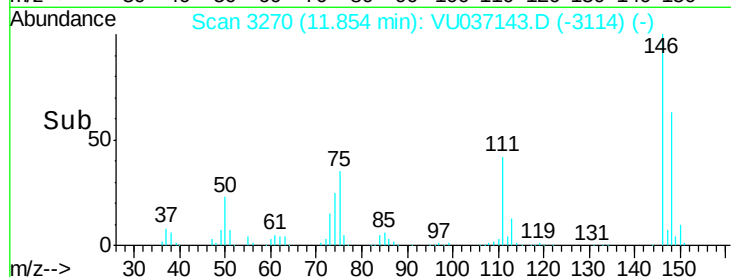
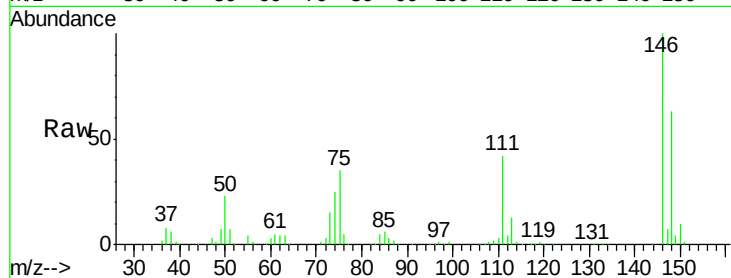
111 41.3 30.5 45.7

148 63.6 51.0 76.4

Manual Integrations
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#84

n-Butylbenzene

Concen: 11.639 ug/l

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU037143.D

Acq: 10 Mar 2020 09:41

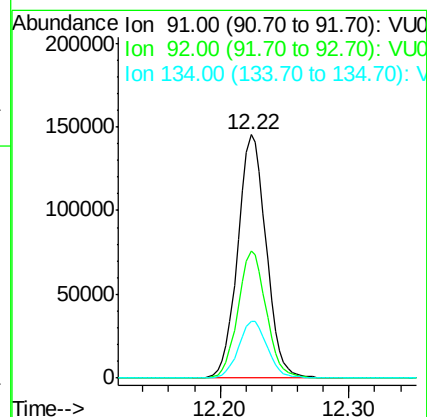
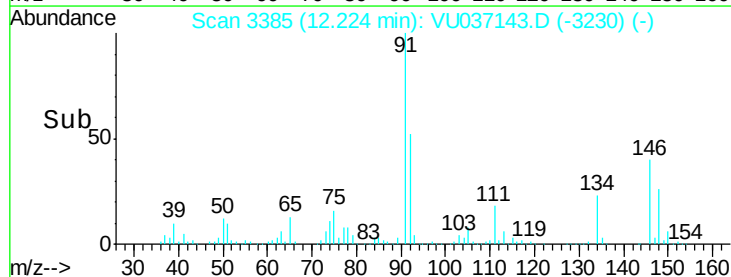
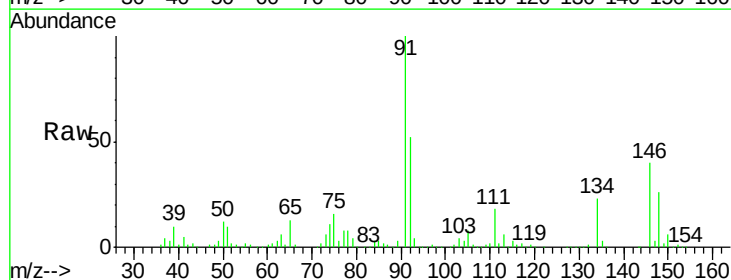
Tgt Ion: 91 Resp: 222313

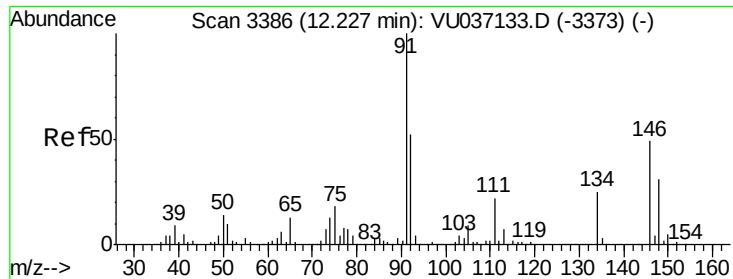
Ion Ratio Lower Upper

91 100

92 51.8 42.9 64.3

134 23.7 21.4 32.0





#85
 1,2-Dichlorobenzene
 Concen: 10.473 ug/l
 RT: 12.23 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU037143.D
 Acq: 10 Mar 2020 09:41

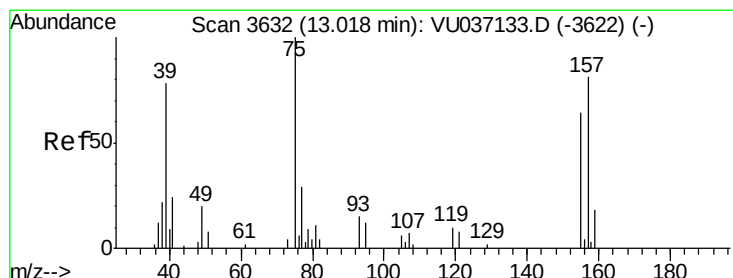
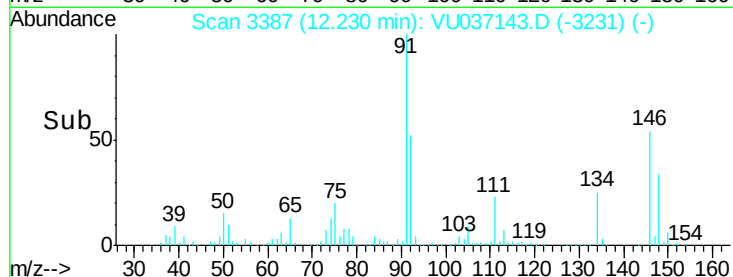
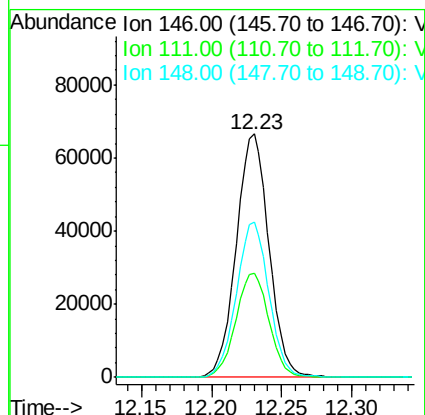
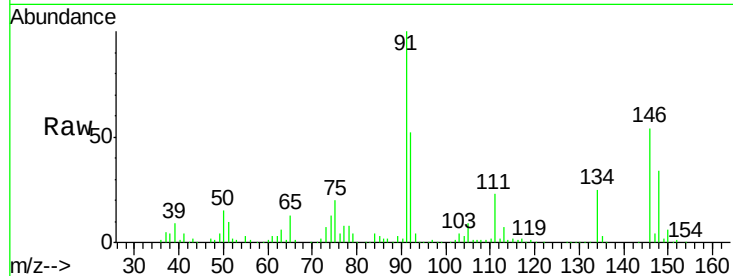
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
146	100				
111	43.5	20.8	62.4		
148	63.4	32.0	96.2		

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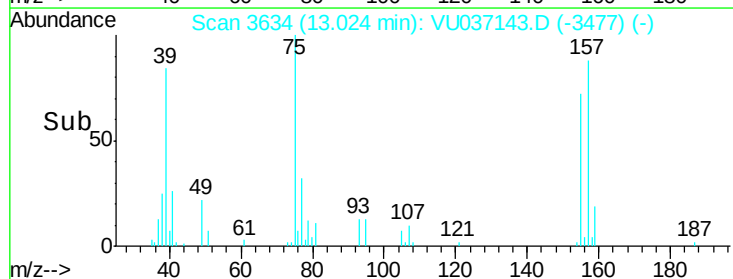
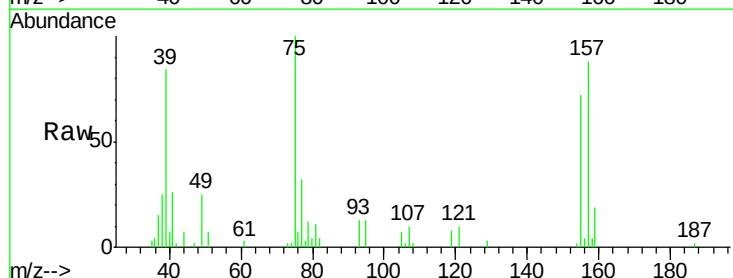
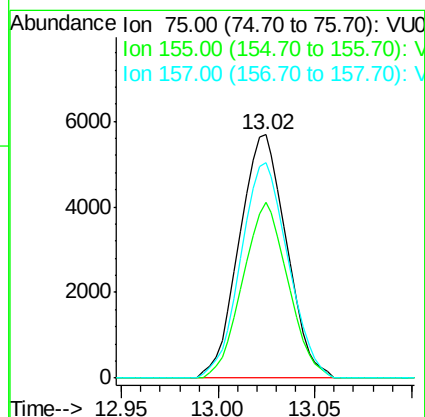
sam

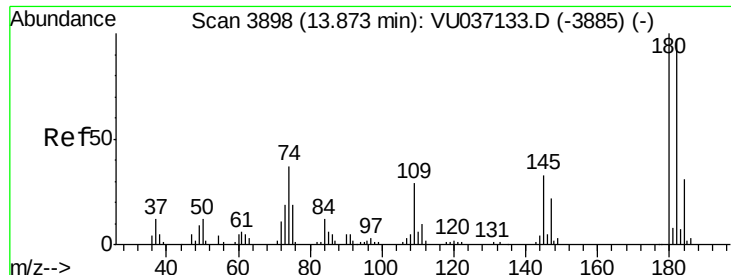
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 11.405 ug/l
 RT: 13.02 min Scan# 3634
 Delta R.T. 0.01 min
 Lab File: VU037143.D
 Acq: 10 Mar 2020 09:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
75	100				
155	69.2	71.8	107.8#		
157	88.7	92.4	138.6#		





#87
 1,2,4-Trichlorobenzene
 Concen: 11.852 ug/l
 RT: 13.88 min Scan# 3899
 Delta R.T. 0.00 min
 Lab File: VU037143.D
 Acq: 10 Mar 2020 09:41

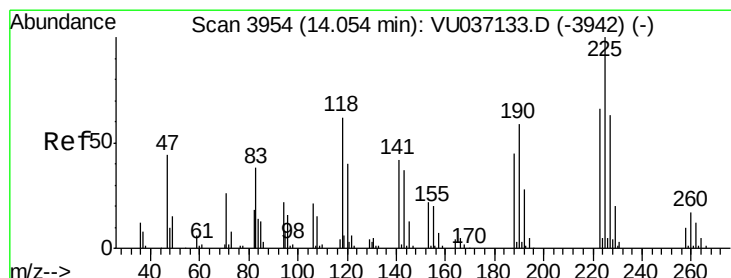
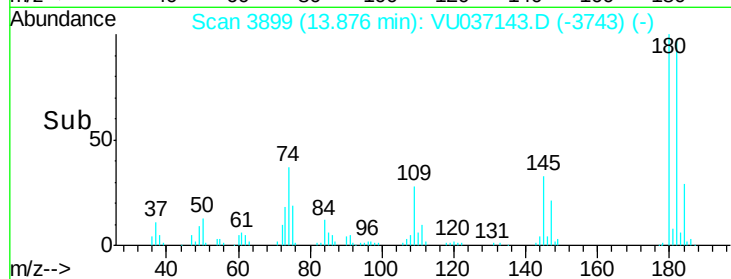
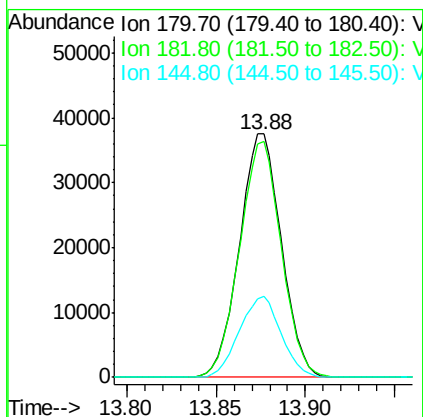
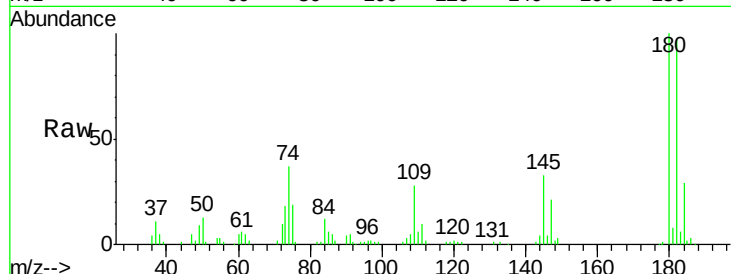
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	75.9	113.9
145	33.3	23.4	35.2

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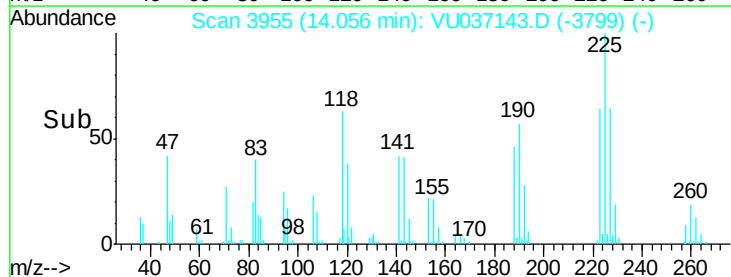
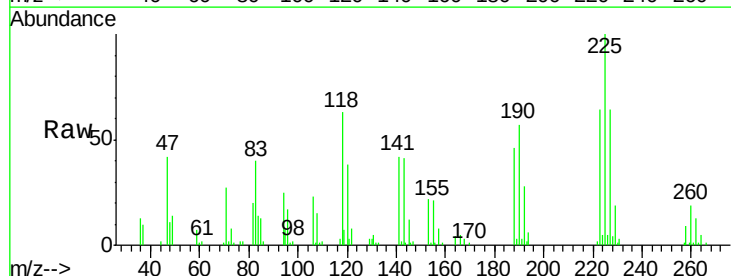
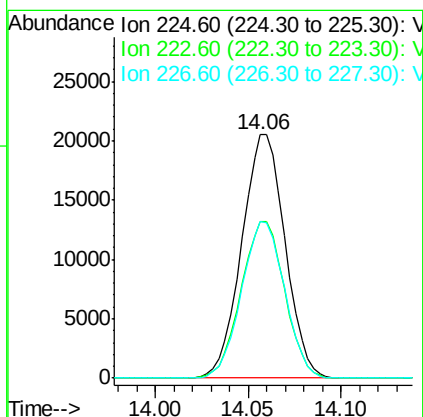
sam

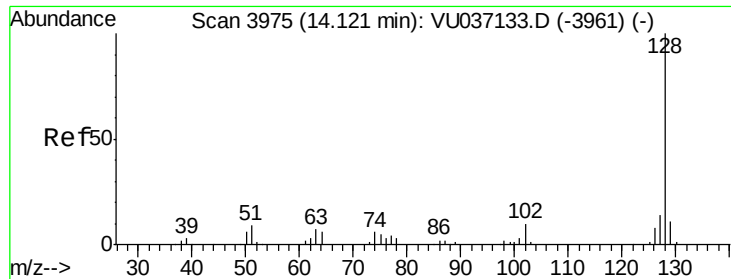
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#88
 Hexachlorobutadiene
 Concen: 10.406 ug/l
 RT: 14.06 min Scan# 3955
 Delta R.T. 0.00 min
 Lab File: VU037143.D
 Acq: 10 Mar 2020 09:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	51.7	77.5
227	63.6	50.6	75.8





#89

Naphthalene

Concen: 10.482 ug/l

RT: 14.12 min Scan# 3976

Delta R.T. 0.00 min

Lab File: VU037143.D

Acq: 10 Mar 2020 09:41

Tot Ion:	128	Resp:	111261
Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.5	15.7
129	11.1	8.7	13.1

Instrument :

MSVOA_U

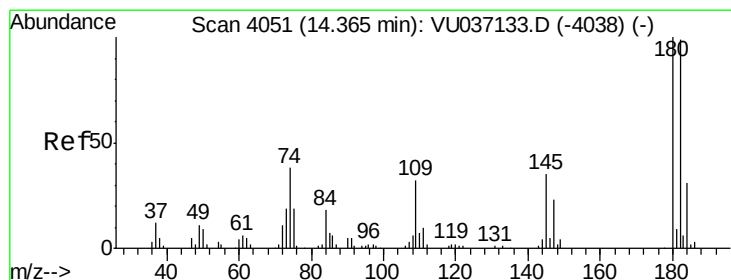
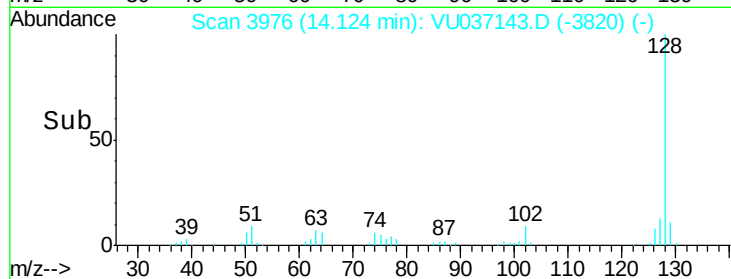
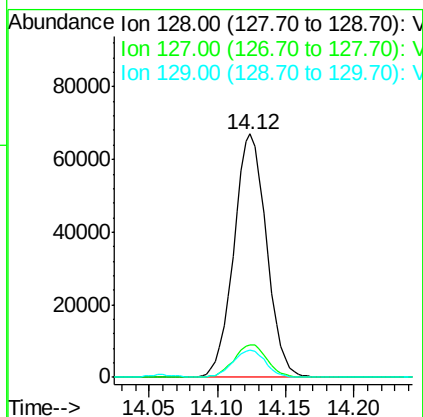
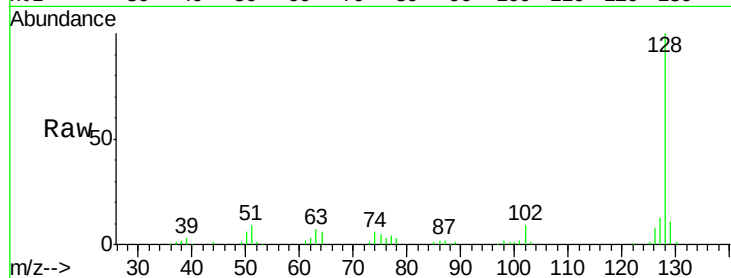
ClientSampleId :

VSTDCCC010

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#90

1,2,3-Trichlorobenzene

Concen: 11.828 ug/l

RT: 14.37 min Scan# 4052

Delta R.T. 0.00 min

Lab File: VU037143.D

Acq: 10 Mar 2020 09:41

Tgt Ion:	180	Resp:	59796
Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.2	114.4
145	34.7	25.2	37.8

