

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030920\
 Data File : VU037139.D
 Acq On : 09 Mar 2020 18:30
 Operator : JC/MD
 Sample : VU0309WBS01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampled :
 VU0309WBS01

Manual Integrations
 APPROVED

Quant Time: Mar 09 19:32:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U030920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Mar 09 18:12:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.15	96	15484	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.65	95	5716	0.95	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.00%	
68) 1,2-Dichlorobenzene-d4	12.21	152	6136	1.00	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.00%	

sam

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	15294	2.023	ug/l 98
3) Chloromethane	1.54	50	15758	2.097	ug/l 98
4) Vinyl Chloride	1.62	62	13379	2.025	ug/l 97
5) Bromomethane	1.87	94	5107	2.217	ug/l 99
6) Chloroethane	1.95	64	6440	2.035	ug/l 98
7) Trichlorofluoromethane	2.16	101	16549	2.062	ug/l 96
8) 1,1,2-Trichloro-1,2,2-trif	2.61	101	7960	2.114	ug/l 95
9) 1,1-Dichloroethene	2.60	96	7546	2.107	ug/l 80
10) Iodomethane	2.75	142	1575	1.012	ug/l # 74
11) Allyl Chloride	2.95	41	14364	2.069	ug/l # 63
12) Acrylonitrile	3.36	53	3472	4.099	ug/l 89
13) Acetone	2.66	43	9257	9.834	ug/l # 74
14) Carbon Disulfide	2.82	76	24687	2.070	ug/l 97
15) Methylene Chloride	3.08	84	10413	2.316	ug/l # 71
16) trans-1,2-Dichloroethene	3.39	96	7779	2.046	ug/l # 79
17) 1,1-Dichloroethane	3.91	63	18230	2.068	ug/l 97
18) 2-Butanone	4.76	43	13626	9.470	ug/l 93
19) Cyclohexane	5.42	56	14339m	1.910	ug/l
20) Methylcyclohexane	6.79	83	14069	1.897	ug/l # 89
21) 2,2-Dichloropropane	4.70	77	16041	1.994	ug/l 93
22) cis-1,2-Dichloroethene	4.71	96	9575	2.033	ug/l 84
23) Diethyl Ether	2.40	59	6157	2.030	ug/l # 85
24) tert-Butyl Alcohol	3.23	59	8176	24.654	ug/l # 94
25) Methyl tert-Butyl Ether	3.41	73	22099	2.106	ug/l # 71
26) Bromochloromethane	5.02	128	3887	1.875	ug/l 64
27) Chloroform	5.13	83	18775	1.978	ug/l 98
28) 1,1,1-Trichloroethane	5.35	97	16881	2.086	ug/l 96
29) 1,1-Dichloropropene	5.56	75	13527	2.057	ug/l 92
30) Carbon Tetrachloride	5.56	117	14725	2.079	ug/l 92
31) Isopropyl Ether	4.05	45	28358	2.015	ug/l 85
32) Ethyl-t-butyl ether	4.56	59	25642	1.930	ug/l 94
33) Tert-Amyl methyl ether	5.99	73	22911	2.009	ug/l 97
34) Propionitrile	4.83	54	3691	9.753	ug/l 97
35) Benzene	5.81	78	37781	2.022	ug/l 100
36) 1,2-Dichloroethane	5.84	62	13403	1.979	ug/l # 93
37) Trichloroethene	6.57	130	9808	2.001	ug/l 93
38) 1,2-Dichloropropane	6.83	63	10528	2.053	ug/l 98
39) Methacrylonitrile	5.03	41	3615	1.980	ug/l # 82
40) Methyl acrylate	4.90	55	4594	1.819	ug/l # 94
41) Tetrahydrofuran	5.11	42	3238	3.554	ug/l # 72
42) 1-Chlorobutane	5.50	56	19304	2.038	ug/l 84

3/10/2020 3:06:43 PM

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030920\
 Data File : VU037139.D
 Acq On : 09 Mar 2020 18:30
 Operator : JC/MD
 Sample : VU0309WBS01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0309WBS01

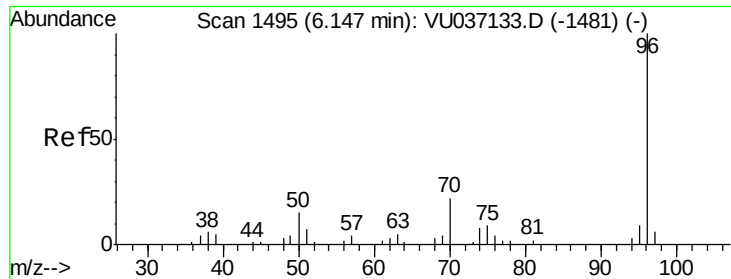
Manual Integrations
 APPROVED

Quant Time: Mar 09 19:32:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U030920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Mar 09 18:12:43 2020
 Response via : Initial Calibration

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

43) Dibromomethane	6.95	93	5181	1.971	ug/l	93
44) Bromodichloromethane	7.14	83	13758	2.011	ug/l	96
45) 4-Methyl-2-Pentanone	7.83	43	34155	9.690	ug/l #	84
46) t-1,4-Dichloro-2-butene	10.85	75	4589m	4.757	ug/l	
47) Methyl methacrylate	7.00	69	8361	3.849	ug/l #	65
48) Ethyl methacrylate	8.36	69	7520	1.752	ug/l #	57
49) Toluene	8.00	92	22284	1.975	ug/l	99
50) t-1,3-Dichloropropene	8.24	75	11733	1.903	ug/l	93
51) cis-1,3-Dichloropropene	7.64	75	13253	1.882	ug/l #	76
52) 1,1,2-Trichloroethane	8.43	97	7424	2.117	ug/l	94
53) 1,3-Dichloropropane	8.60	76	12531	2.015	ug/l	99
54) 2-Hexanone	8.72	43	22827	9.401	ug/l	81
55) Dibromochloromethane	8.84	129	8669	1.997	ug/l	98
56) 1,2-Dibromoethane	8.95	107	6468	1.948	ug/l	99
58) Tetrachloroethene	8.57	164	9541	2.074	ug/l	91
59) Chlorobenzene	9.47	112	25387	2.016	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.56	131	9337	2.026	ug/l	96
61) Pentachloroethane	11.44	117	7443	2.117	ug/l	92
62) Hexachloroethane	12.49	117	7453	1.980	ug/l	83
63) Ethyl Benzene	9.59	91	40550	1.887	ug/l	99
64) m/p-Xylenes	9.72	106	32253	3.964	ug/l	92
65) o-Xylene	10.12	106	16443	2.094	ug/l	95
66) Styrene	10.13	104	24706	1.923	ug/l	91
67) Bromoform	10.31	173	4539	1.981	ug/l #	94
69) Isopropylbenzene	10.50	105	42029	1.964	ug/l	95
70) 1,1,2,2-Tetrachloroethane	10.80	83	9528	2.066	ug/l	97
71) 1,2,3-Trichloropropane	10.84	75	6063m	1.608	ug/l	
72) Bromobenzene	10.80	156	9824	1.897	ug/l	86
73) n-propylbenzene	10.92	120	10582	1.865	ug/l	67
74) 2-Chlorotoluene	11.00	126	10325	2.011	ug/l	85
75) 1,3,5-Trimethylbenzene	11.11	105	37093	2.002	ug/l	93
76) 4-Chlorotoluene	11.12	126	10574	2.046	ug/l	78
77) tert-Butylbenzene	11.44	119	35611	1.972	ug/l	93
78) 1,2,4-Trimethylbenzene	11.48	105	36514	1.952	ug/l	97
79) sec-Butylbenzene	11.66	105	48658	1.980	ug/l	98
80) Nitrobenzene	13.25	77	573	5.676	ug/l #	91
81) p-Isopropyltoluene	11.81	119	38346	1.980	ug/l	95
82) 1,3-Dichlorobenzene	11.76	146	21242	2.070	ug/l	99
83) 1,4-Dichlorobenzene	11.85	146	20922	2.013	ug/l	98
84) n-Butylbenzene	12.22	91	34875	1.901	ug/l	95
85) 1,2-Dichlorobenzene	12.23	146	19755	1.990	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	13.02	75	1541	1.893	ug/l #	73
87) 1,2,4-Trichlorobenzene	13.87	180	8923	1.788	ug/l	97
88) Hexachlorobutadiene	14.05	225	6150	1.991	ug/l	99
89) Naphthalene	14.12	128	13170	1.554	ug/l	96
90) 1,2,3-Trichlorobenzene	14.37	180	8364	1.722	ug/l #	90

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.15 min Scan# 1495

Delta R.T. -0.00 min

Lab File: VU037139.D

Acq: 09 Mar 2020 18:30

Instrument :

MSVOA_U

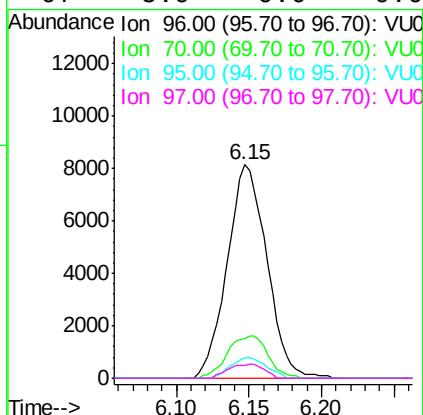
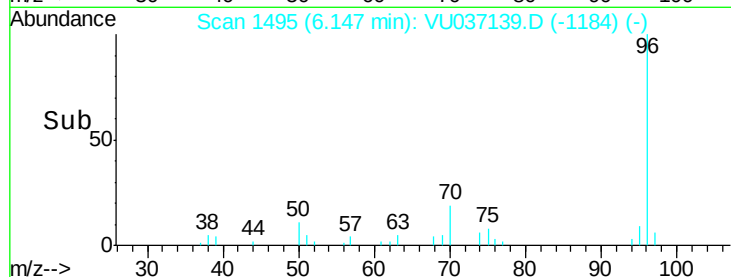
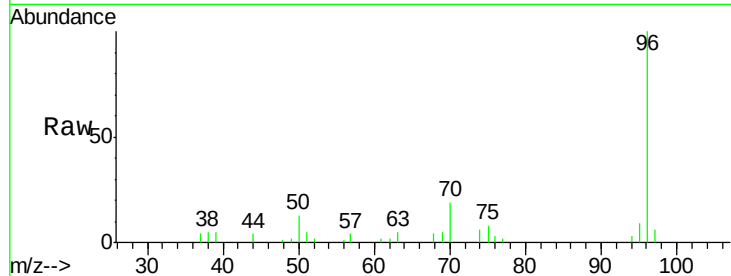
ClientSampleId :

VU0309WBS01

Tot Ion: 96 Resp: 15484

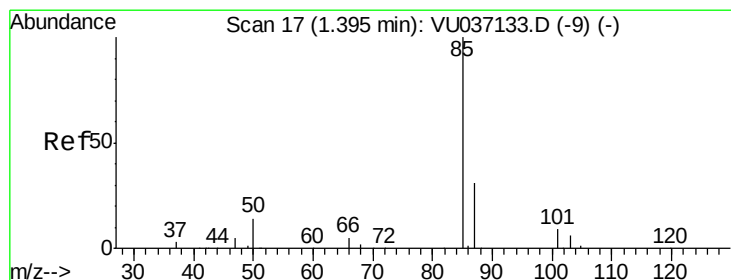
Ion	Ratio	Lower	Upper
96	100		
70	20.3	15.6	23.4
95	8.6	7.0	10.6
97	5.9	0.0	0.0#

Manual Integrations
APPROVED



sam

3/10/2020 3:06:43 PM



#2

Dichlorodifluoromethane

Concen: 2.023 ug/l

RT: 1.39 min Scan# 17

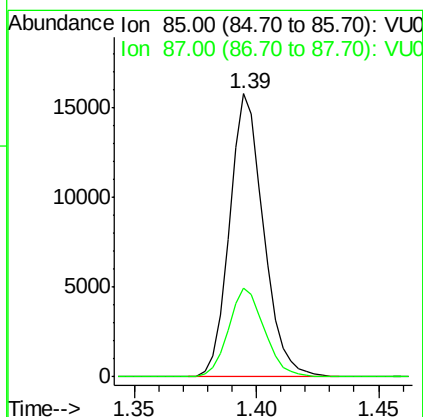
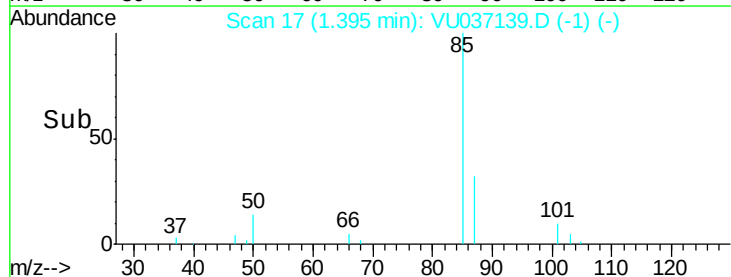
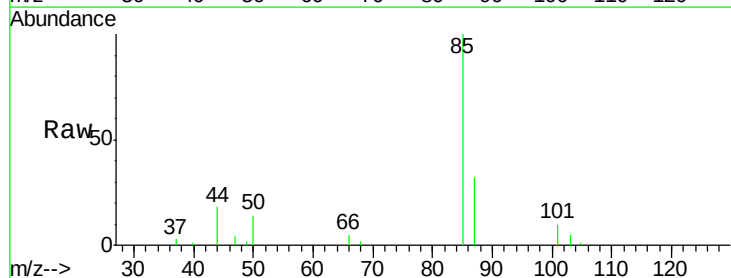
Delta R.T. -0.00 min

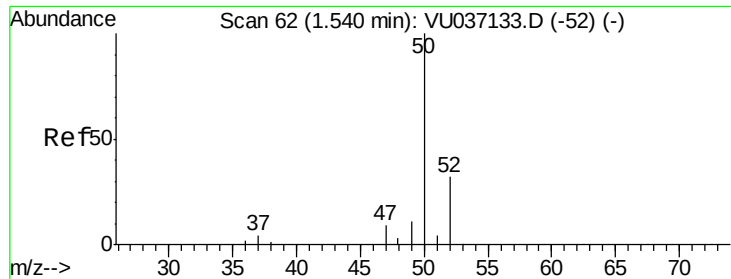
Lab File: VU037139.D

Acq: 09 Mar 2020 18:30

Tgt Ion: 85 Resp: 15294

Ion	Ratio	Lower	Upper
85	100		
87	31.5	16.4	49.2





#3

Chloromethane

Concen: 2.097 ug/l

RT: 1.54 min Scan# 62

Delta R.T. -0.00 min

Lab File: VU037139.D

Acq: 09 Mar 2020 18:30

Instrument :

MSVOA_U

ClientSampleId :

VU0309WBS01

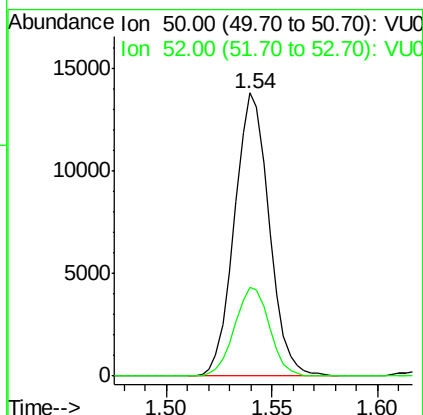
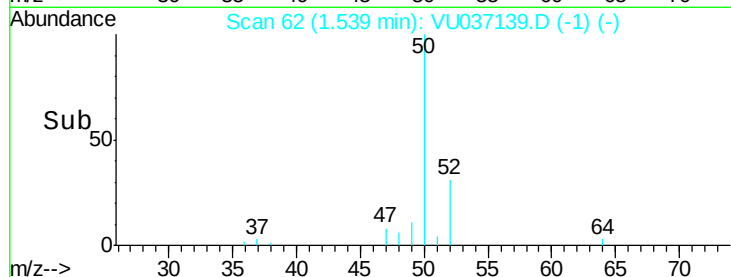
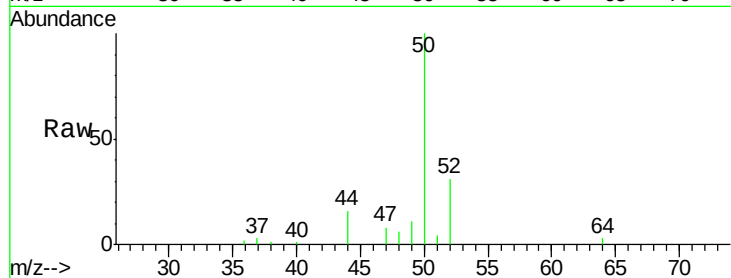
Tot Ion: 50 Resp: 15758

Ion Ratio Lower Upper

50 100

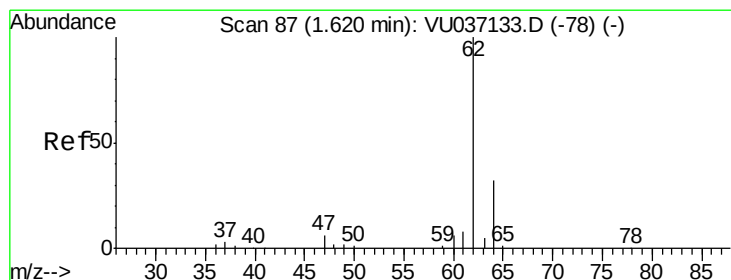
52 31.3 26.0 39.0

Manual Integrations
APPROVED



sam

3/10/2020 3:06:43 PM



#4

Vinyl Chloride

Concen: 2.025 ug/l

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU037139.D

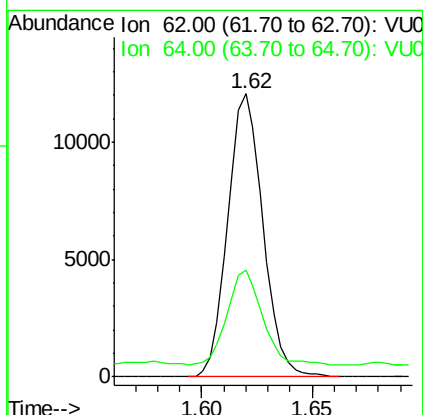
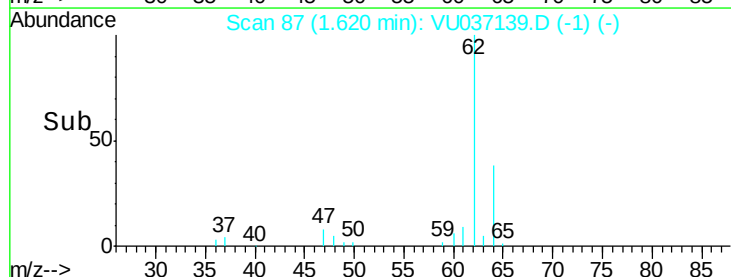
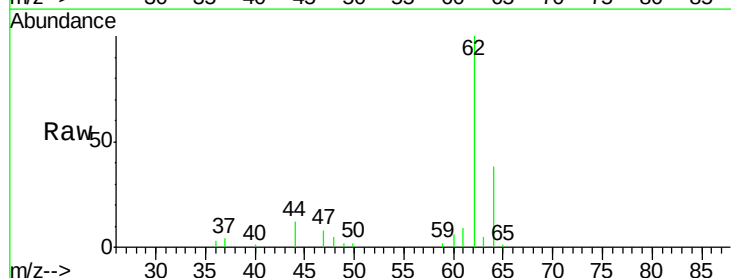
Acq: 09 Mar 2020 18:30

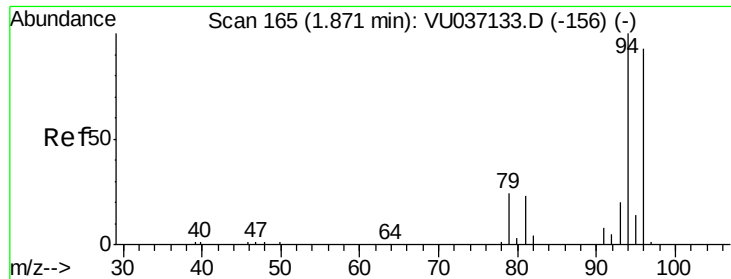
Tgt Ion: 62 Resp: 13379

Ion Ratio Lower Upper

62 100

64 33.4 25.4 38.2





#5

Bromomethane

Concen: 2.217 ug/l

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU037139.D

Acq: 09 Mar 2020 18:30

Instrument :

MSVOA_U

ClientSampleId :

VU0309WBS01

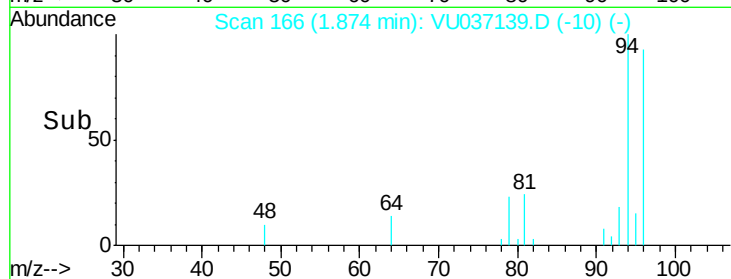
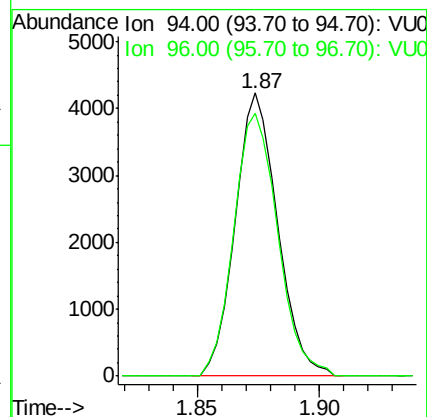
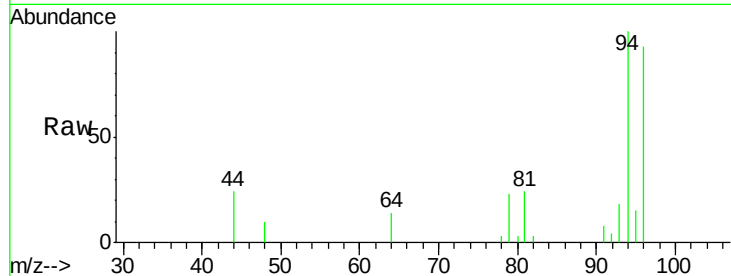
Tot Ion: 94 Resp: 5107

Ion Ratio Lower Upper

94 100

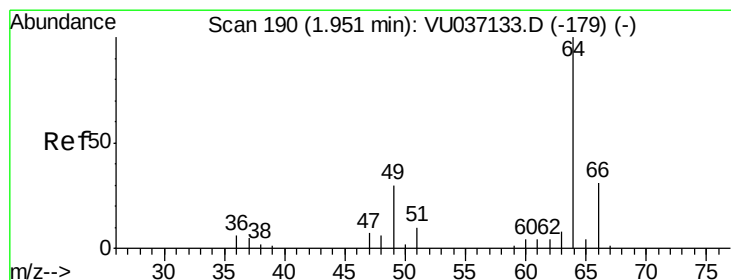
96 92.8 74.6 112.0

Manual Integrations
APPROVED



sam

3/10/2020 3:06:43 PM



#6

Chloroethane

Concen: 2.035 ug/l

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU037139.D

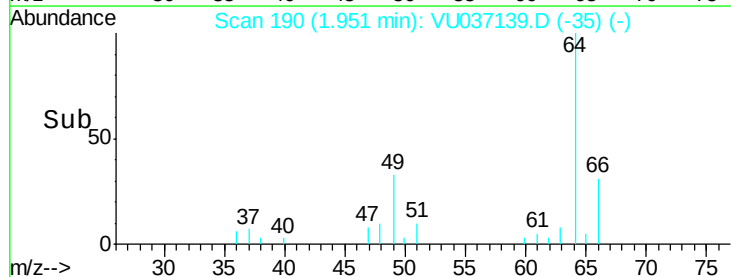
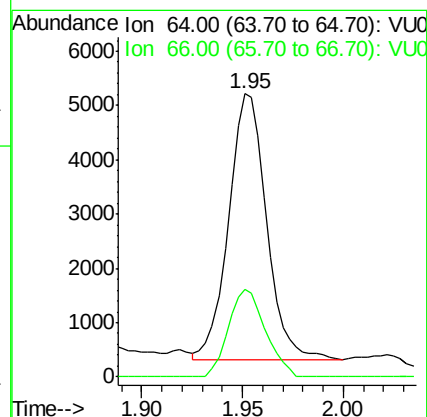
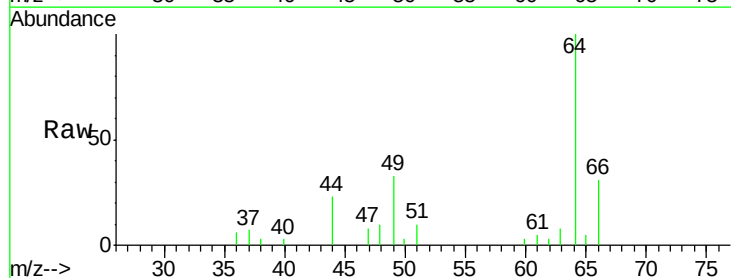
Acq: 09 Mar 2020 18:30

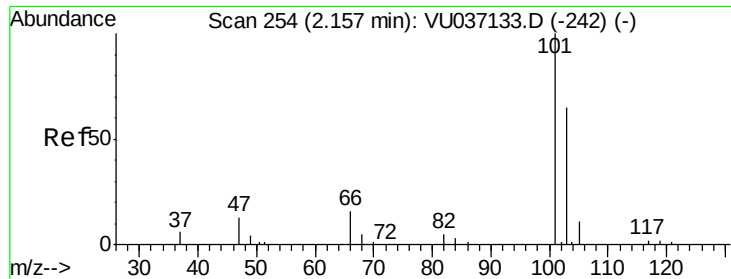
Tgt Ion: 64 Resp: 6440

Ion Ratio Lower Upper

64 100

66 32.9 25.5 38.3





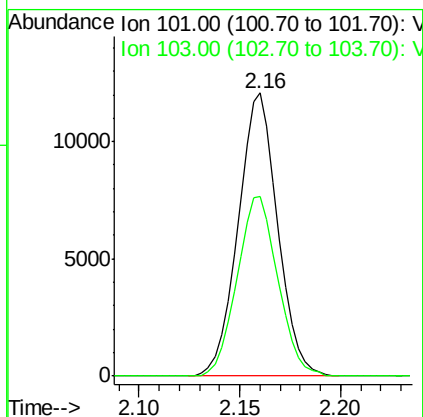
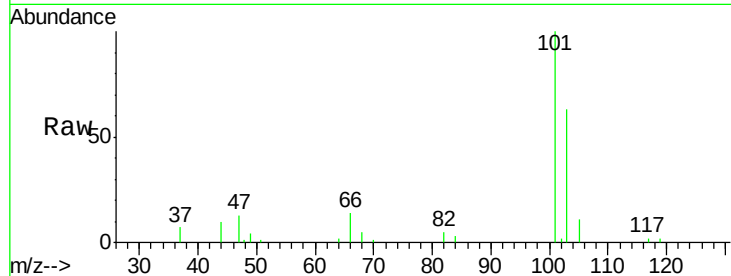
#7

Trichlorofluoromethane
Concen: 2.062 ug/l
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU037139.D
Acq: 09 Mar 2020 18:30

Instrument :
MSVOA_U
ClientSampleId :
VU0309WBS01

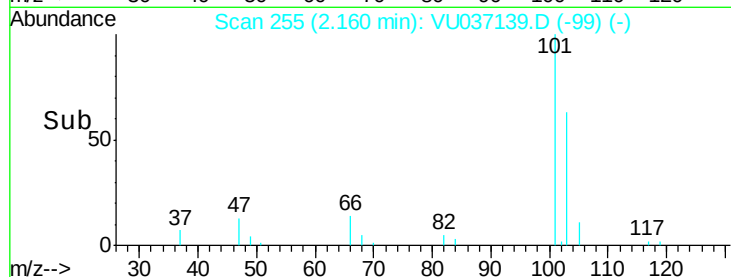
Tot Ion	101	Resp	16549
Ion Ratio	Lower	Upper	
101	100		
103	63.3	53.0	79.6

Manual Integrations
APPROVED



sam

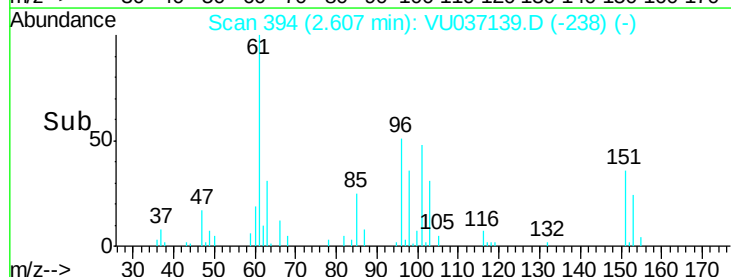
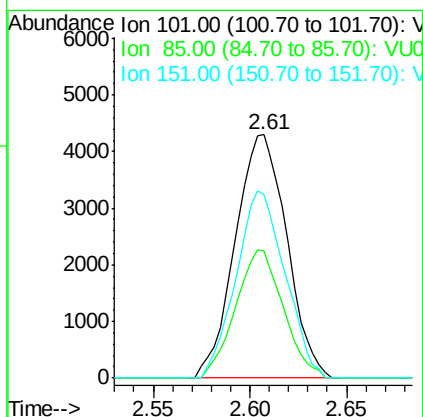
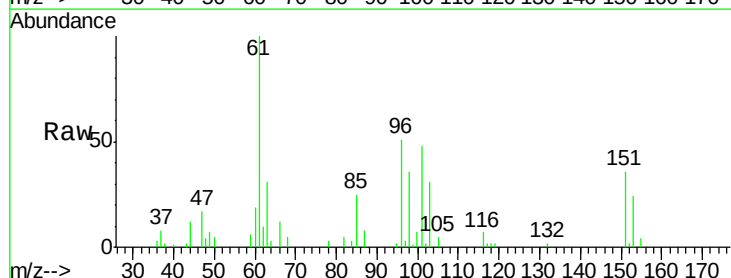
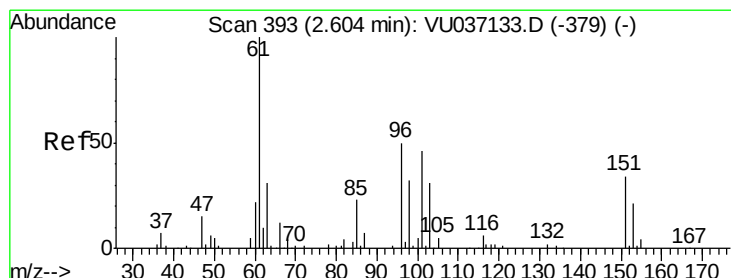
3/10/2020 3:06:43 PM

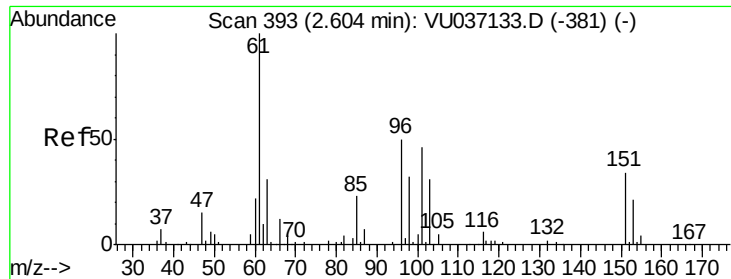


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.114 ug/l
RT: 2.61 min Scan# 394
Delta R.T. 0.00 min
Lab File: VU037139.D
Acq: 09 Mar 2020 18:30

Tgt Ion	101	Resp	7960
Ion Ratio	Lower	Upper	
101	100		
85	48.8	33.9	50.9
151	72.9	59.8	89.8





#9

1,1-Dichloroethene

Concen: 2.107 ug/l

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037139.D

Acq: 09 Mar 2020 18:30

Instrument :

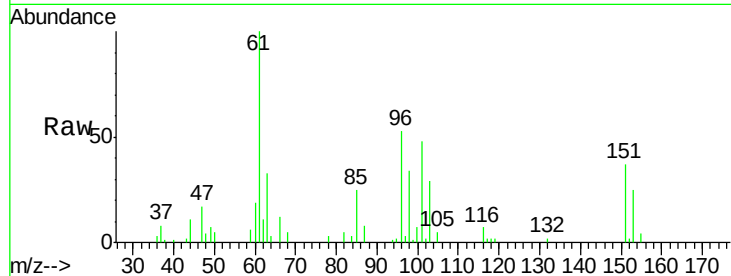
MSVOA_U

ClientSampleId :

VU0309WBS01

Tot Ion:	96	Resp:	7546
Ion	Ratio	Lower	Upper
96	100		
61	190.3	0.0	463.2
98	65.0	0.0	130.0

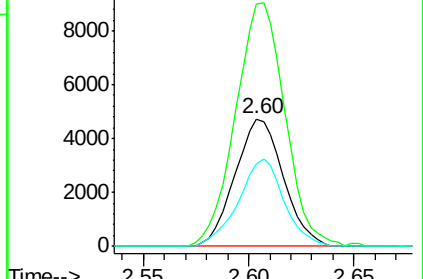
Manual Integrations
APPROVED



Abundance Ion 96.00 (95.70 to 96.70): VU037139.D (-381) (-)

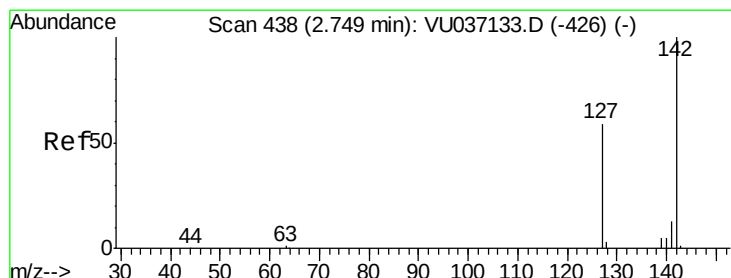
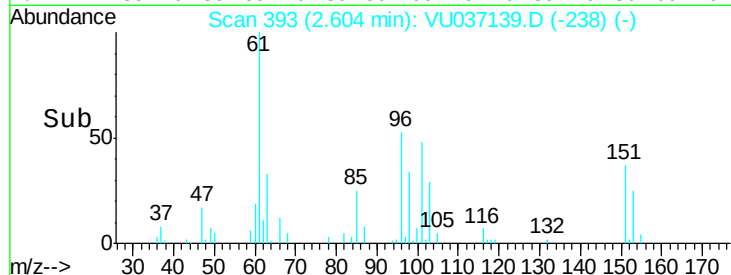
Ion 61.00 (60.70 to 61.70): VU037139.D (-381) (-)

Ion 98.00 (97.70 to 98.70): VU037139.D (-381) (-)



sam

3/10/2020 3:06:43 PM



#10

Iodomethane

Concen: 1.012 ug/l

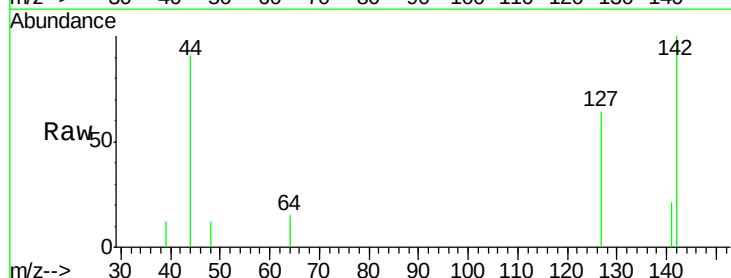
RT: 2.75 min Scan# 438

Delta R.T. 0.00 min

Lab File: VU037139.D

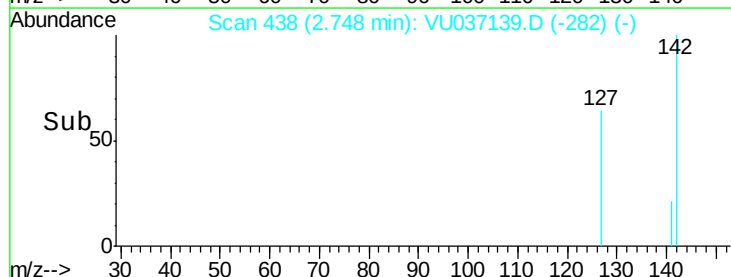
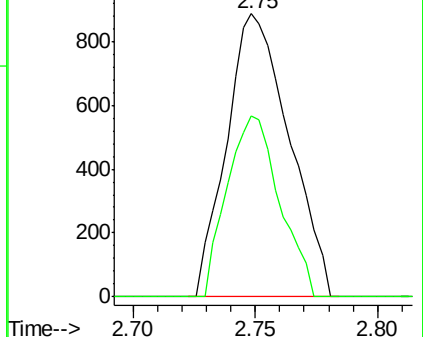
Acq: 09 Mar 2020 18:30

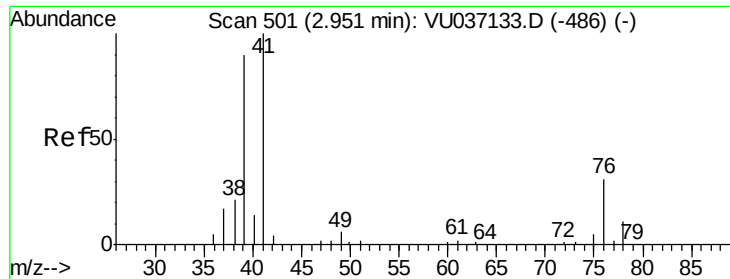
Tgt Ion:	142	Resp:	1575
Ion	Ratio	Lower	Upper
142	100		
127	53.8	30.3	45.5#



Abundance Ion 142.00 (141.70 to 142.70): VU037139.D (-426) (-)

Ion 127.00 (126.70 to 127.70): VU037139.D (-426) (-)



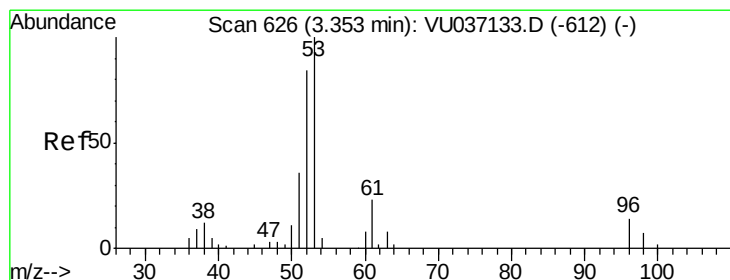
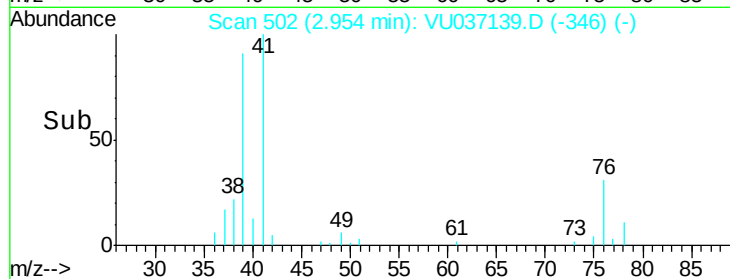
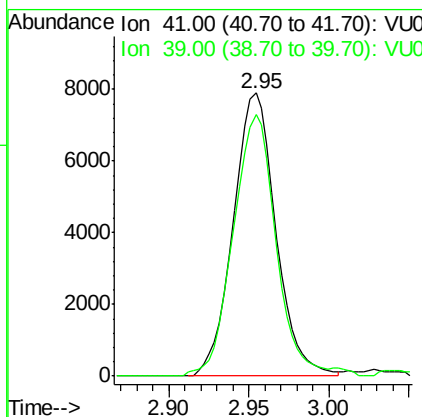
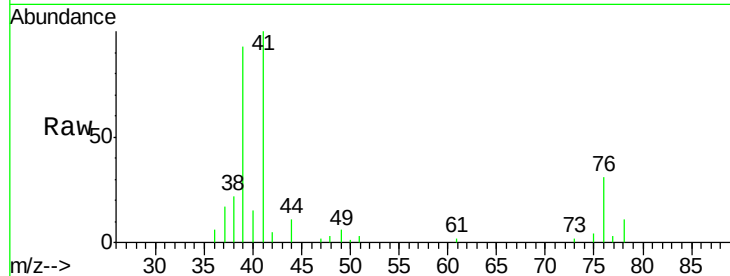


#11
 Allvl Chloride
 Concen: 2.069 ug/l
 RT: 2.95 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VU037139.D
 Acq: 09 Mar 2020 18:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0309WBS01

Tot Ion: 41 Resp: 14364
 Ion Ratio Lower Upper
 41 100
 39 92.2 50.7 76.1#

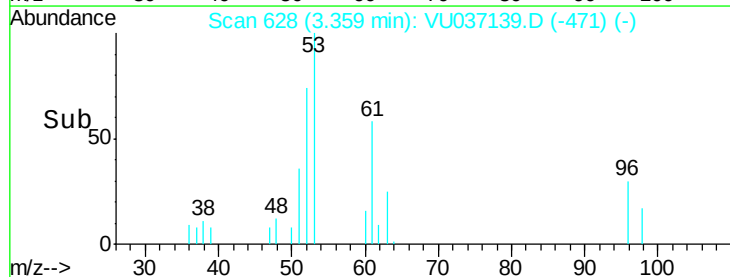
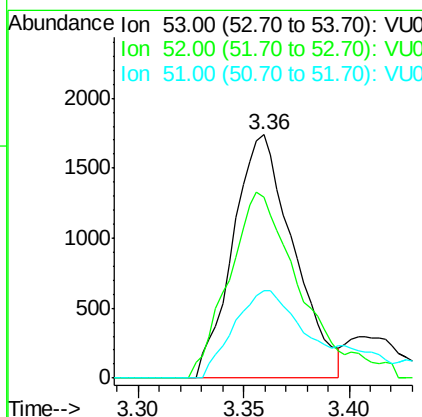
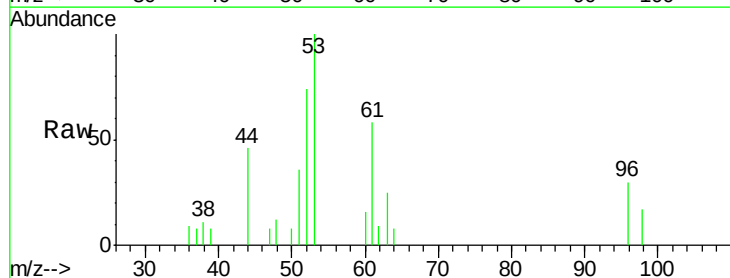
Manual Integrations
 APPROVED

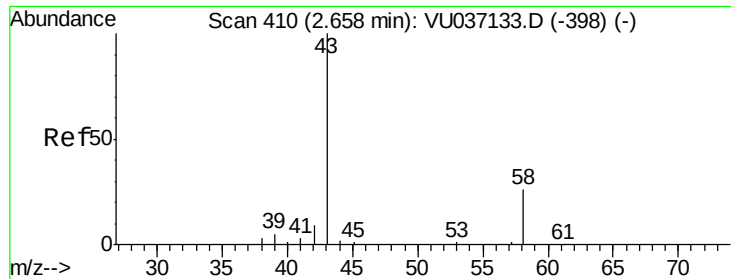


#12
 Acrylonitrile
 Concen: 4.099 ug/l
 RT: 3.36 min Scan# 628
 Delta R.T. 0.01 min
 Lab File: VU037139.D
 Acq: 09 Mar 2020 18:30

Tgt Ion: 53 Resp: 3472
 Ion Ratio Lower Upper
 53 100
 52 90.2 64.6 97.0
 51 40.8 27.2 40.8

3/10/2020 3:06:43 PM





#13

Acetone

Concen: 9.834 ug/l

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU037139.D

Acq: 09 Mar 2020 18:30

Instrument :

MSVOA_U

ClientSampleId :

VU0309WBS01

Tot Ion: 43 Resp: 9257

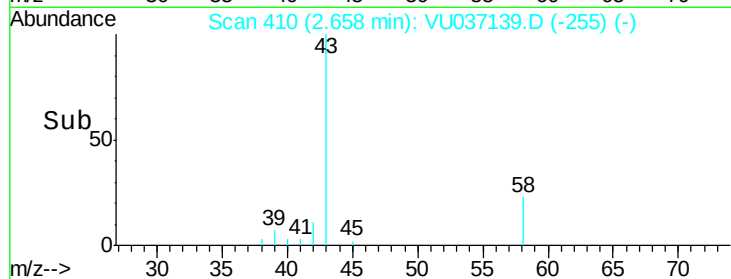
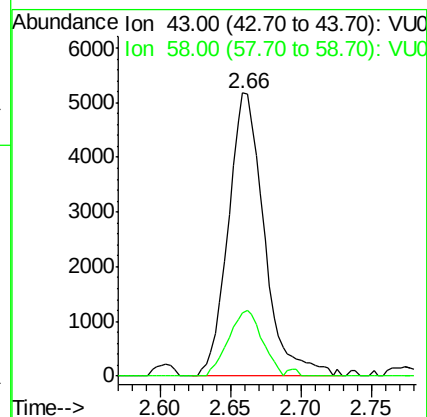
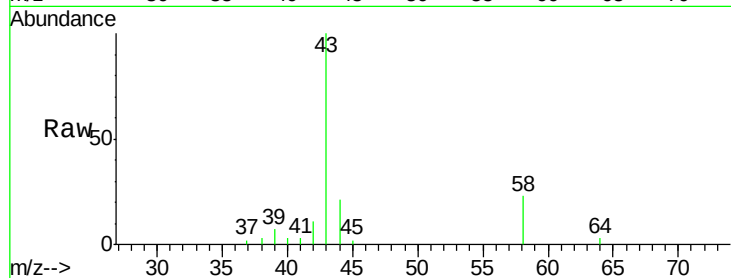
Ion Ratio Lower Upper

43 100

58 22.5 30.8 46.2#

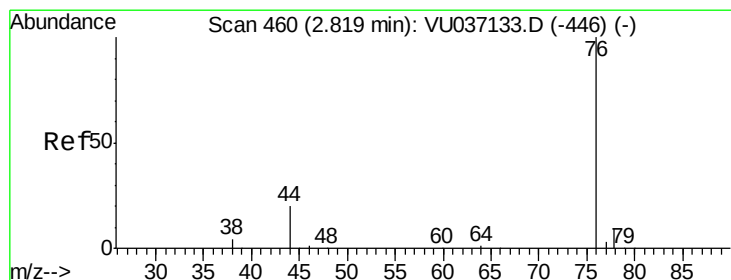
Manual Integrations

APPROVED



sam

3/10/2020 3:06:43 PM



#14

Carbon Disulfide

Concen: 2.070 ug/l

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037139.D

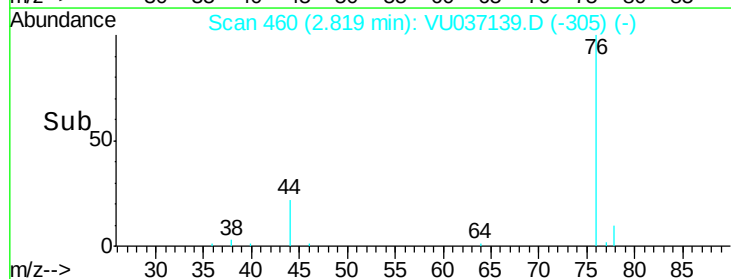
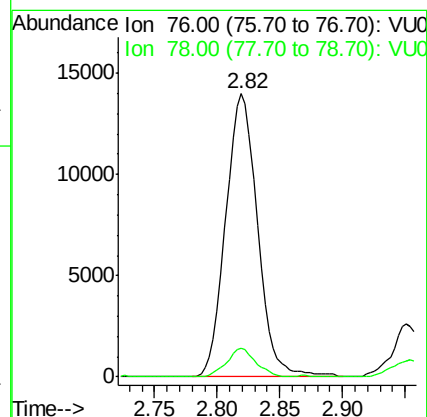
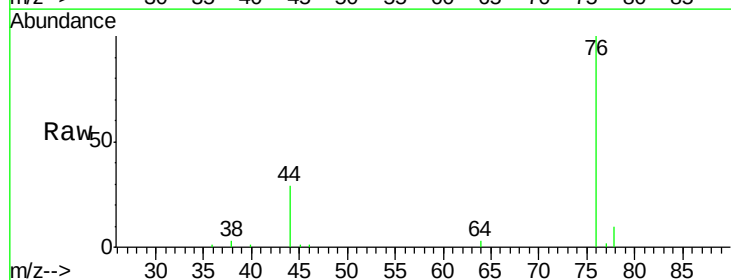
Acq: 09 Mar 2020 18:30

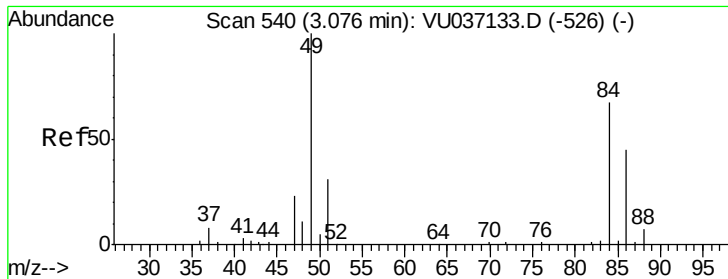
Tgt Ion: 76 Resp: 24687

Ion Ratio Lower Upper

76 100

78 10.1 7.4 11.0



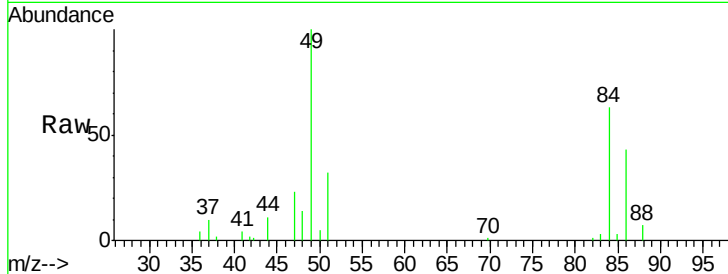


#15
Methylene Chloride
Concen: 2.316 ug/l
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037139.D
Acq: 09 Mar 2020 18:30

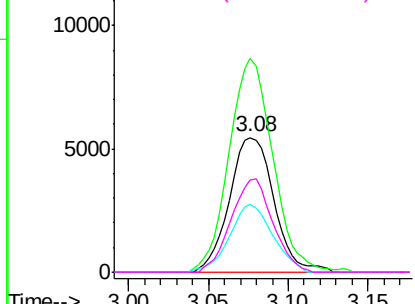
Instrument :
MSVOA_U
ClientSampleId :
VU0309WBS01

Tot Ion:	84	Resp:	10413
Ion	Ratio	Lower	Upper
84	100		
49	158.3	89.7	134.5#
51	49.9	0.0	71.6
86	68.7	51.4	77.2

Manual Integrations
APPROVED

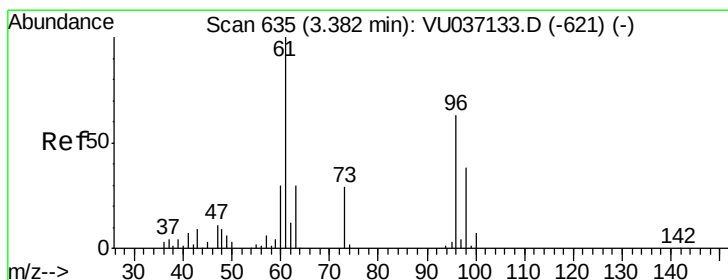


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 49.00 (48.70 to 49.70): VU0
Ion 51.00 (50.70 to 51.70): VU0
Ion 86.00 (85.70 to 86.70): VU0



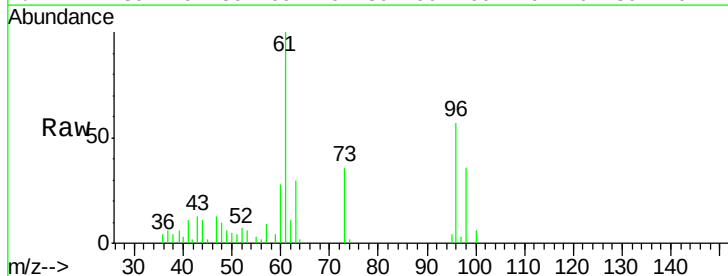
sam

3/10/2020 3:06:43 PM

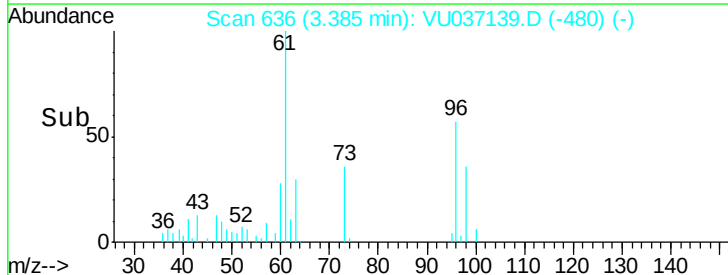
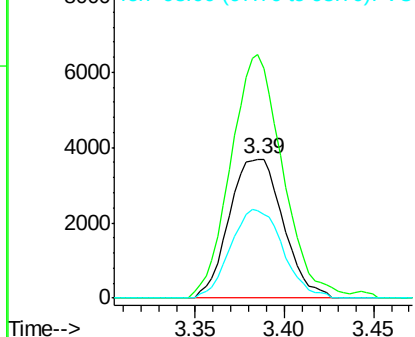


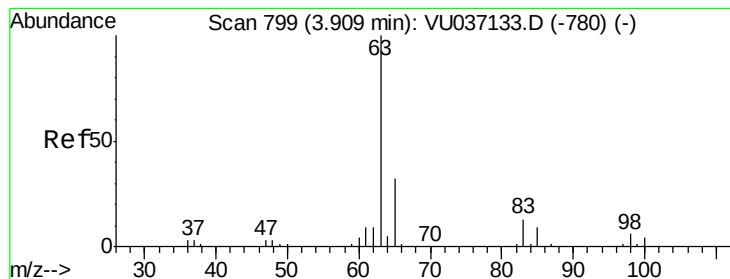
#16
trans-1,2-Dichloroethene
Concen: 2.046 ug/l
RT: 3.39 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU037139.D
Acq: 09 Mar 2020 18:30

Tgt Ion:	96	Resp:	7779
Ion	Ratio	Lower	Upper
96	100		
61	175.3	110.8	166.2#
98	62.6	50.3	75.5



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0





#17

1,1-Dichloroethane

Concen: 2.068 ug/l

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU037139.D

Acq: 09 Mar 2020 18:30

Instrument :

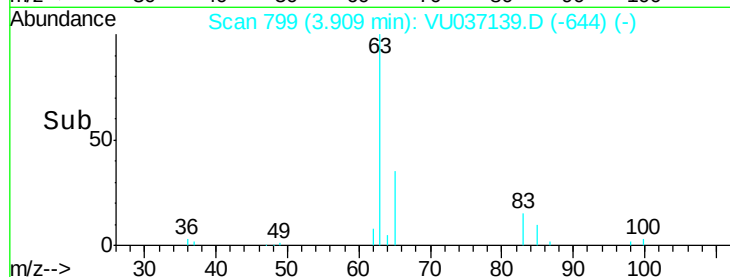
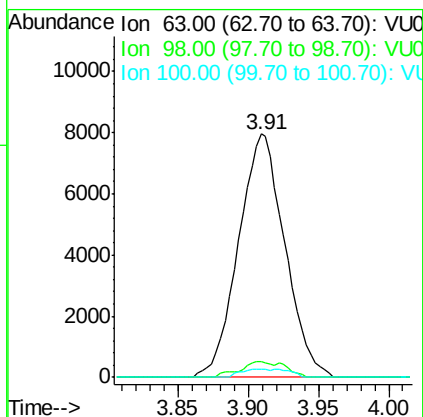
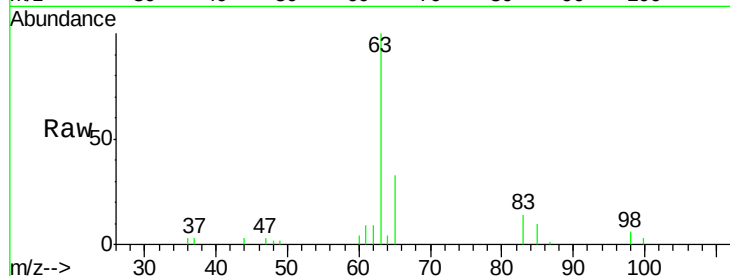
MSVOA_U

ClientSampleId :

VU0309WBS01

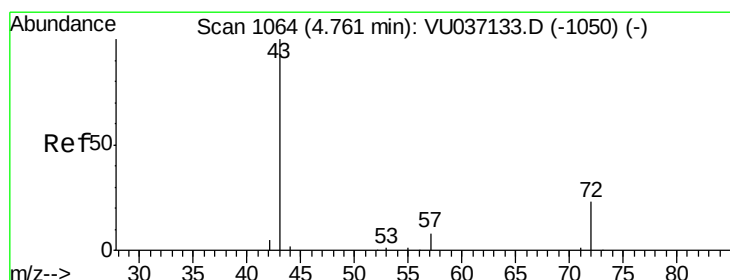
Tot Ion:	63	Resp:	18230
Ion Ratio	Lower	Upper	
63	100		
98	6.5	3.5	10.5
100	3.3	2.4	7.1

Manual Integrations
APPROVED



sam

3/10/2020 3:06:43 PM



#18

2-Butanone

Concen: 9.470 ug/l

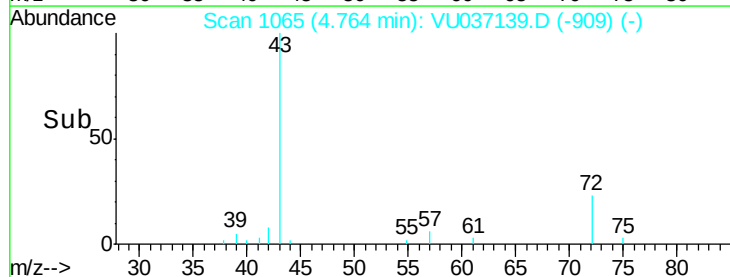
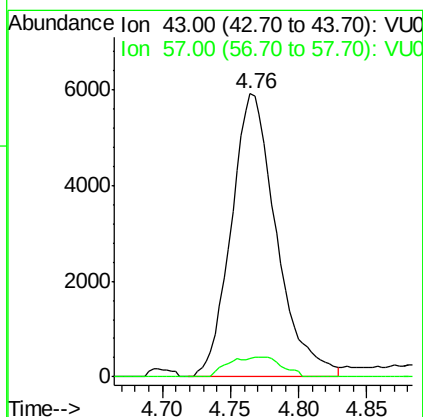
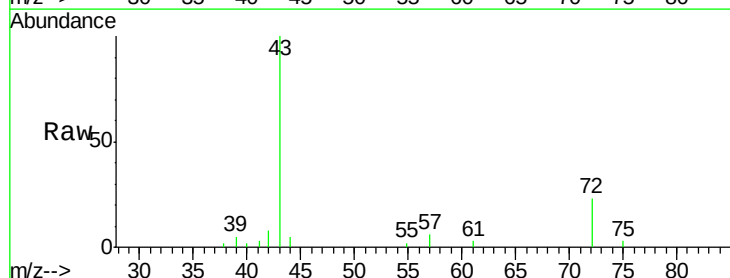
RT: 4.76 min Scan# 1065

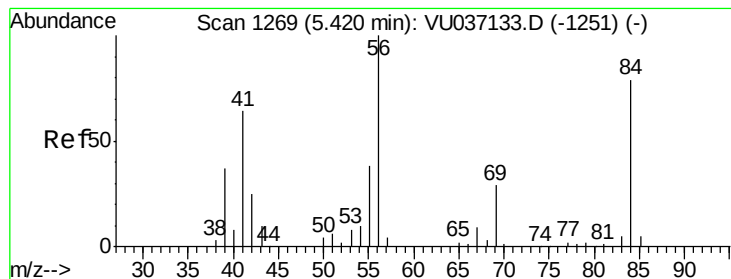
Delta R.T. 0.00 min

Lab File: VU037139.D

Acq: 09 Mar 2020 18:30

Tgt Ion:	43	Resp:	13626
Ion Ratio	Lower	Upper	
43	100		
57	6.5	0.0	17.8





#19

Cyclohexane

Concen: 1.910 ug/l m

RT: 5.42 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VU037139.D

Acq: 09 Mar 2020 18:30

Instrument :

MSVOA_U

ClientSampleId :

VU0309WBS01

Tot Ion: 56 Resp: 14339

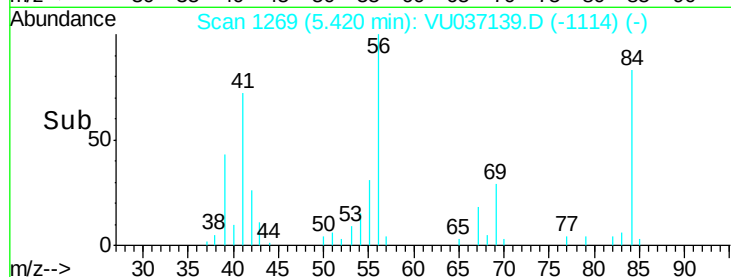
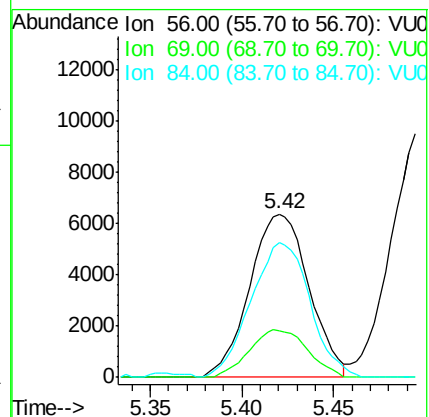
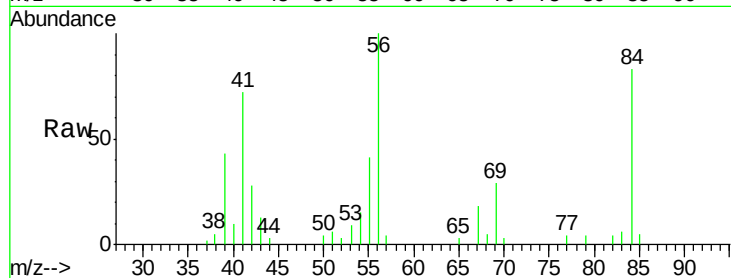
Ion Ratio Lower Upper

56 100

69 28.4 26.2 39.2

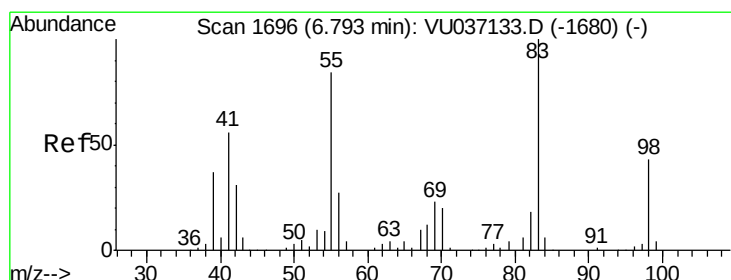
84 82.1 72.8 109.2

Manual Integrations
APPROVED



sam

3/10/2020 3:06:43 PM



#20

Methylcyclohexane

Concen: 1.897 ug/l

RT: 6.79 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU037139.D

Acq: 09 Mar 2020 18:30

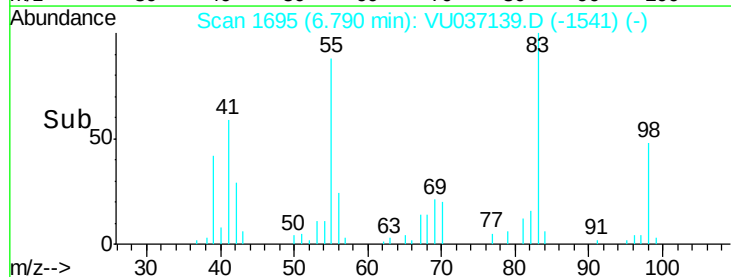
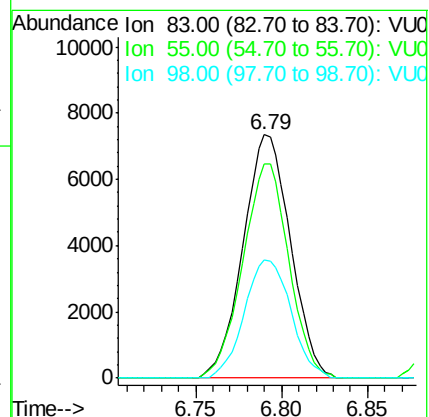
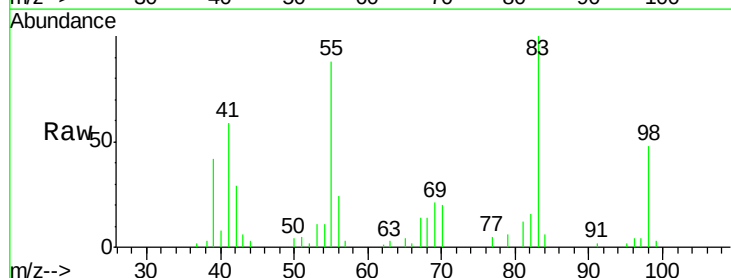
Tgt Ion: 83 Resp: 14069

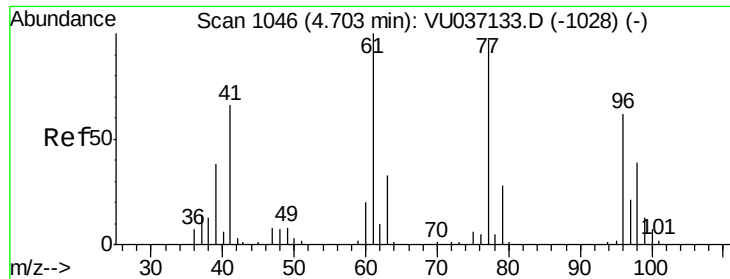
Ion Ratio Lower Upper

83 100

55 85.4 56.6 85.0#

98 47.6 37.5 56.3



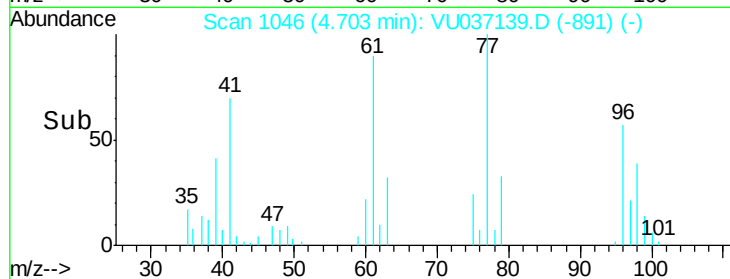
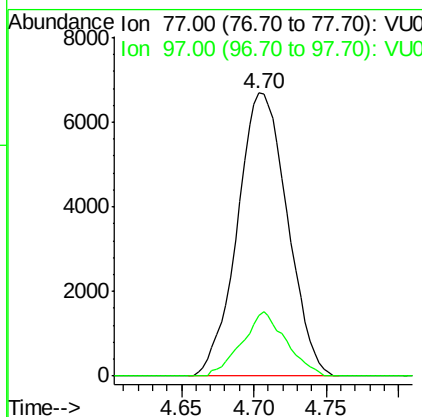
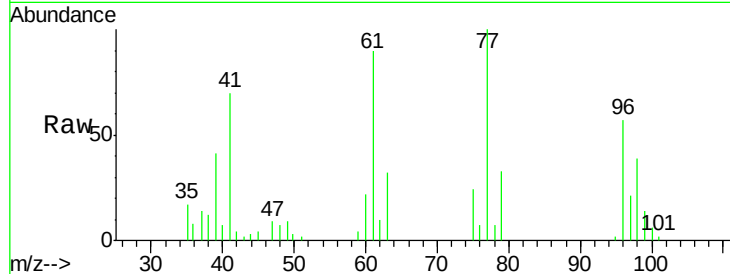


#21
 2,2-Dichloropropane
 Concen: 1.994 ug/l
 RT: 4.70 min Scan# 1046
 Delta R.T. -0.00 min
 Lab File: VU037139.D
 Acq: 09 Mar 2020 18:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0309WBS01

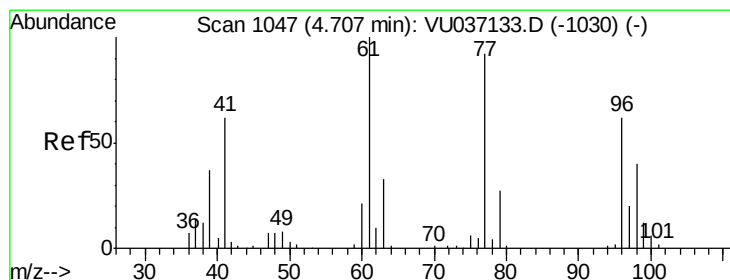
Tot Ion: 77 Resp: 16041
 Ion Ratio Lower Upper
 77 100
 97 20.1 19.0 28.4

Manual Integrations
 APPROVED



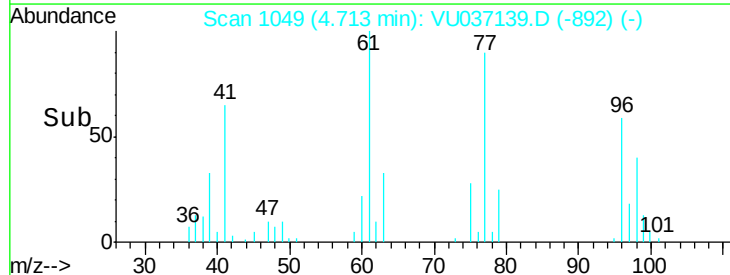
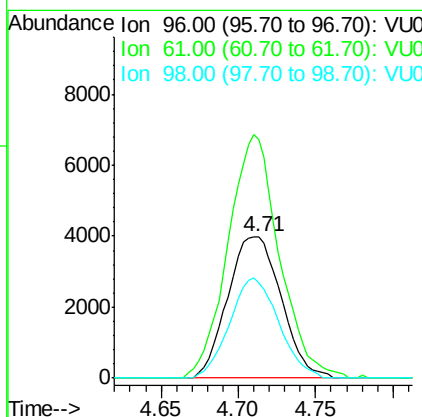
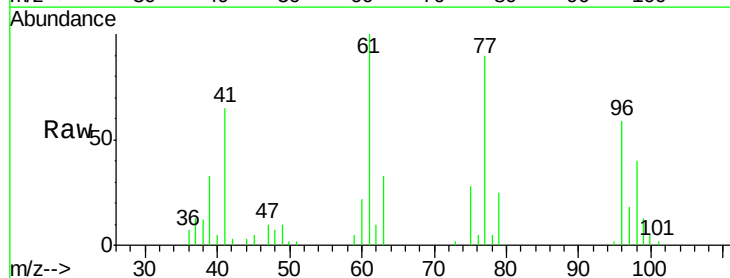
sam

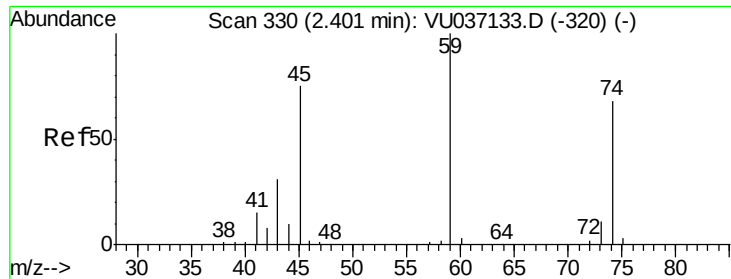
3/10/2020 3:06:43 PM



#22
 cis-1,2-Dichloroethene
 Concen: 2.033 ug/l
 RT: 4.71 min Scan# 1049
 Delta R.T. 0.01 min
 Lab File: VU037139.D
 Acq: 09 Mar 2020 18:30

Tgt Ion: 96 Resp: 9575
 Ion Ratio Lower Upper
 96 100
 61 164.4 0.0 342.0
 98 65.2 32.0 96.0



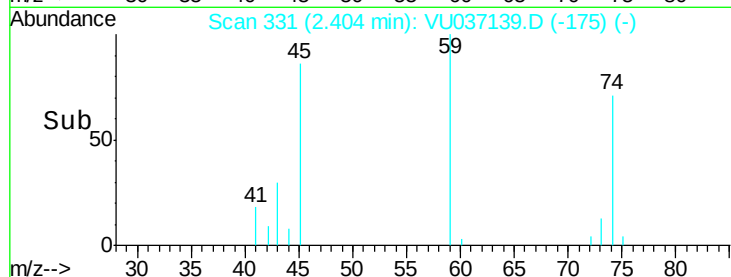
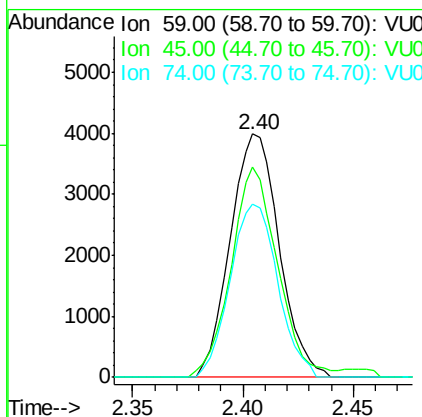
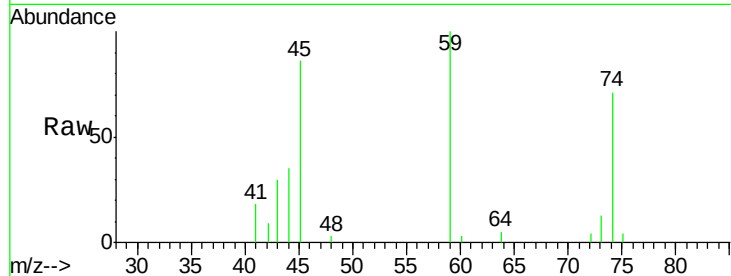


#23
Diethyl Ether
Concen: 2.030 ug/l
RT: 2.40 min Scan# 331
Delta R.T. 0.00 min
Lab File: VU037139.D
Acq: 09 Mar 2020 18:30

Instrument :
MSVOA_U
ClientSampleId :
VU0309WBS01

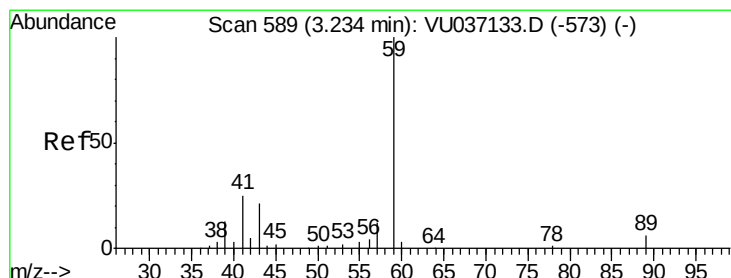
Tot Ion: 59 Resp: 6157
Ion Ratio Lower Upper
59 100
45 82.3 52.4 78.6#
74 69.2 62.1 93.1

Manual Integrations
APPROVED



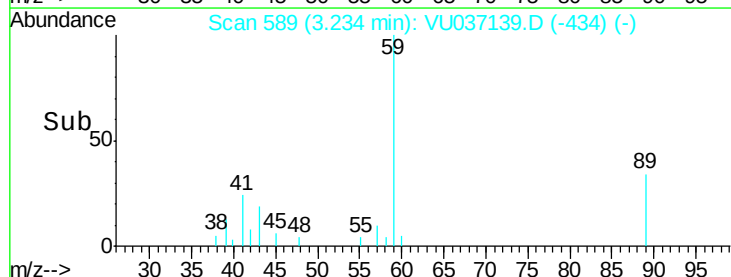
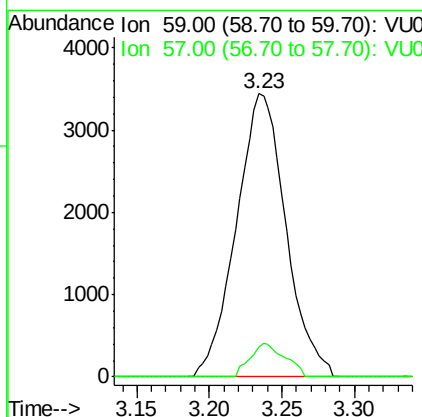
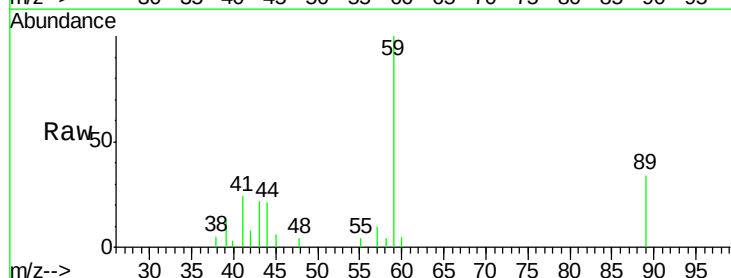
sam

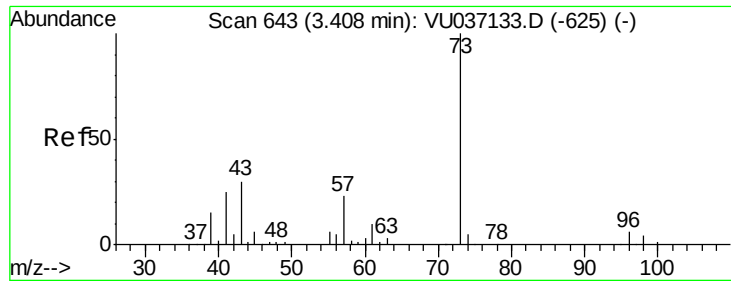
3/10/2020 3:06:43 PM



#24
tert-Butyl Alcohol
Concen: 24.654 ug/l
RT: 3.23 min Scan# 589
Delta R.T. -0.00 min
Lab File: VU037139.D
Acq: 09 Mar 2020 18:30

Tgt Ion: 59 Resp: 8176
Ion Ratio Lower Upper
59 100
57 8.3 8.4 12.6#



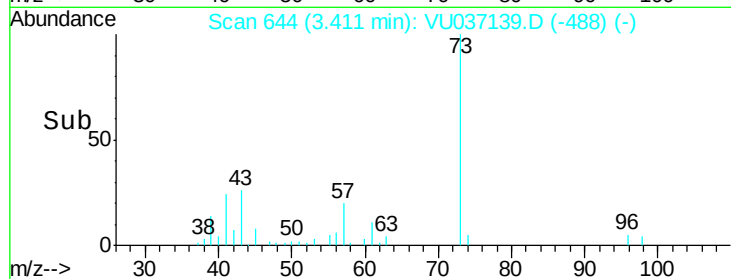
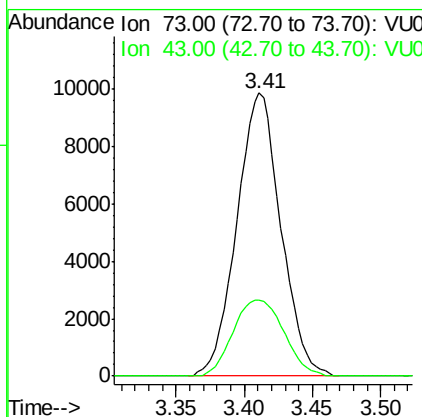
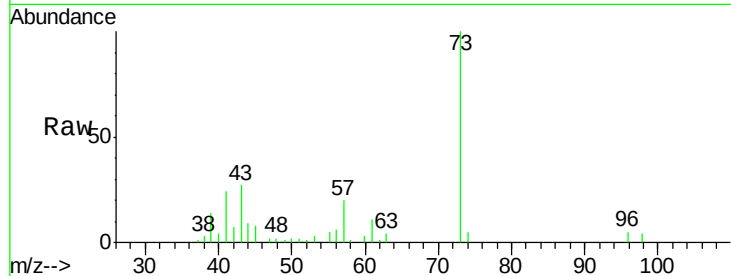


#25
Methyl tert-Butyl Ether
Concen: 2.106 ug/l
RT: 3.41 min Scan# 644
Delta R.T. 0.00 min
Lab File: VU037139.D
Acq: 09 Mar 2020 18:30

Instrument :
MSVOA_U
ClientSampled :
VU0309WBS01

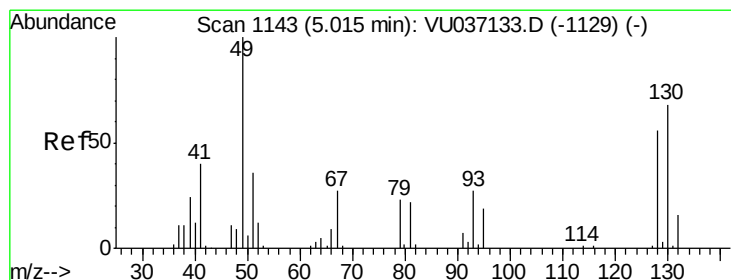
Tot Ion: 73 Resp: 22099
Ion Ratio Lower Upper
73 100
43 31.1 14.5 21.7#

Manual Integrations
APPROVED



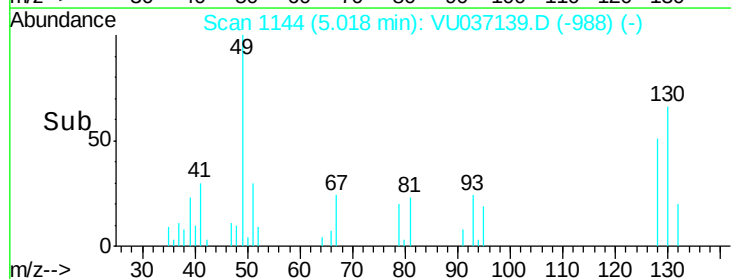
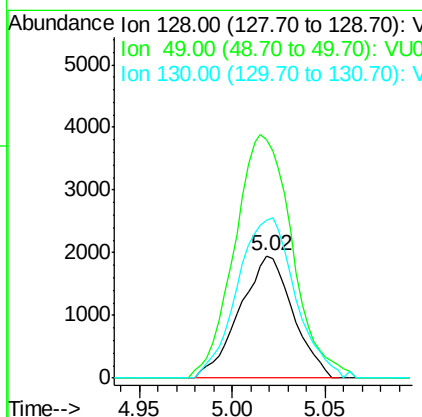
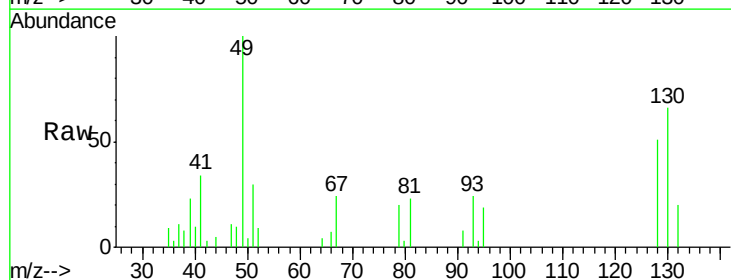
sam

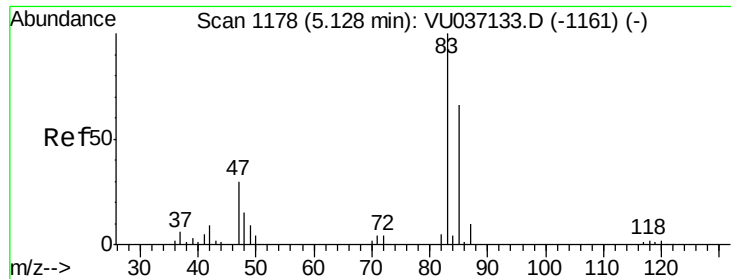
3/10/2020 3:06:43 PM



#26
Bromochloromethane
Concen: 1.875 ug/l
RT: 5.02 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VU037139.D
Acq: 09 Mar 2020 18:30

Tgt Ion: 128 Resp: 3887
Ion Ratio Lower Upper
128 100
49 215.0 0.0 286.2
130 142.8 104.3 156.5



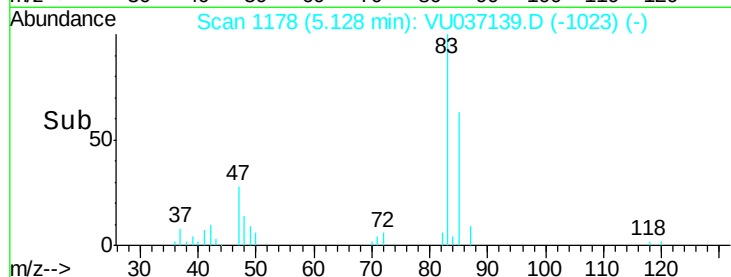
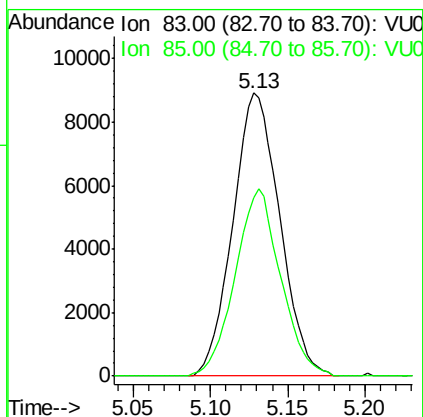
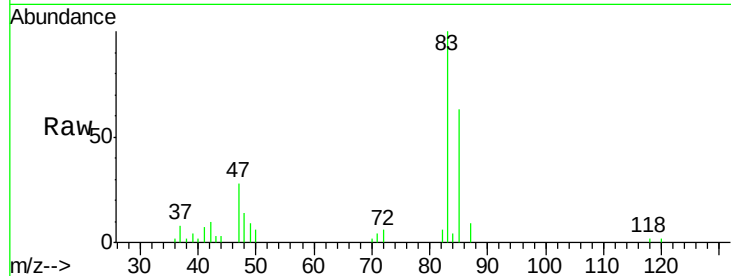


#27
Chloroform
Concen: 1.978 ug/l
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037139.D
Acq: 09 Mar 2020 18:30

Instrument :
MSVOA_U
ClientSampleId :
VU0309WBS01

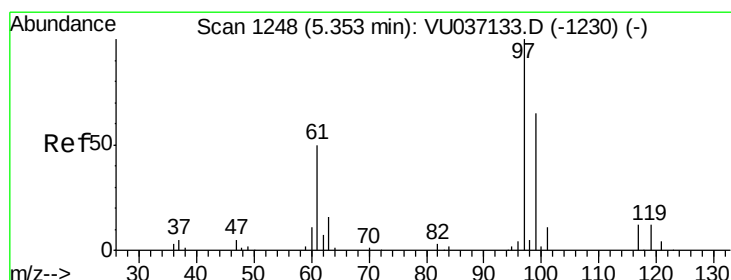
Tot Ion: 83 Resp: 18775
Ion Ratio Lower Upper
83 100
85 63.1 0.0 129.0

Manual Integrations
APPROVED



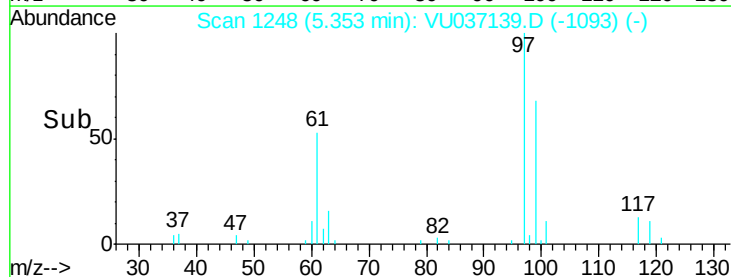
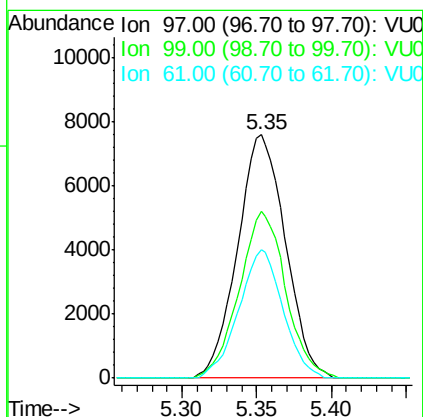
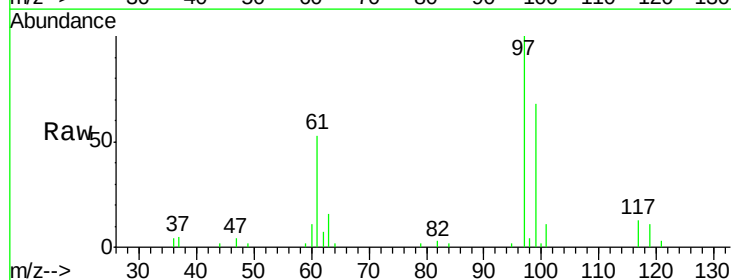
sam

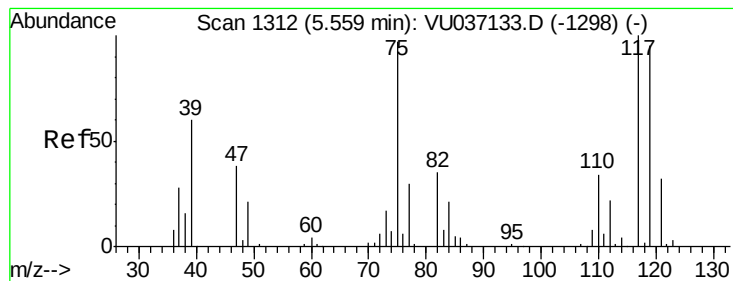
3/10/2020 3:06:43 PM



#28
1,1,1-Trichloroethane
Concen: 2.086 ug/l
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU037139.D
Acq: 09 Mar 2020 18:30

Tgt Ion: 97 Resp: 16881
Ion Ratio Lower Upper
97 100
99 66.6 32.1 96.3
61 48.6 22.7 68.0





#29

1,1-Dichloropropene

Concen: 2.057 ug/l

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU037139.D

Acq: 09 Mar 2020 18:30

Instrument :

MSVOA_U

ClientSampleId :

VU0309WBS01

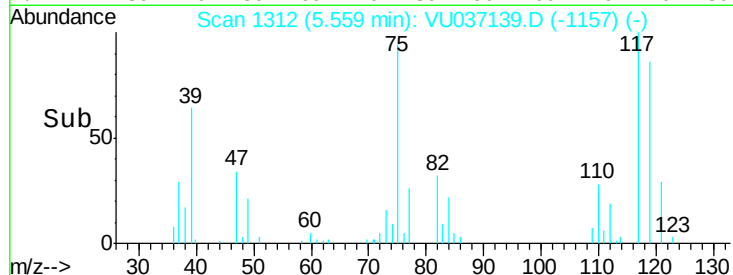
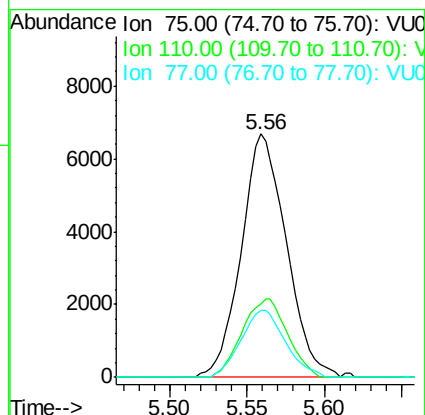
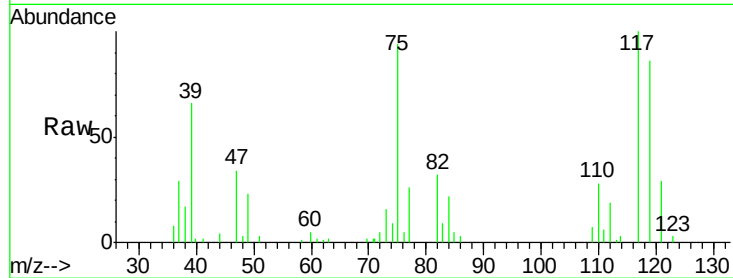
Tot Ion: 75 Resp: 13527
Ion Ratio Lower Upper

75 100

110 32.5 18.6 55.8

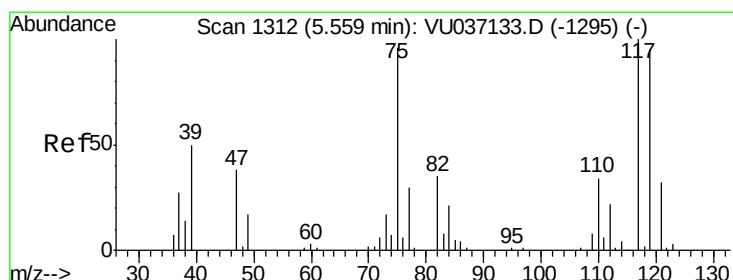
77 27.2 25.0 37.4

Manual Integrations
APPROVED



sam

3/10/2020 3:06:43 PM



#30

Carbon Tetrachloride

Concen: 2.079 ug/l

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU037139.D

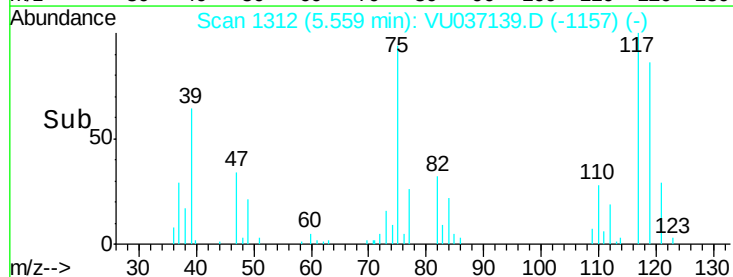
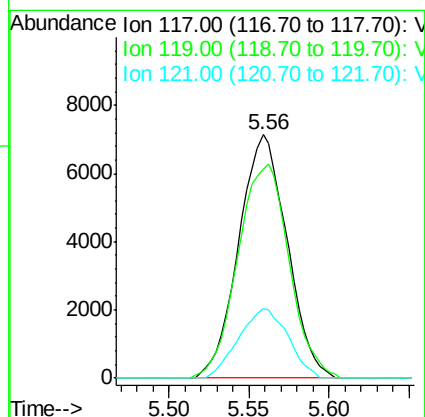
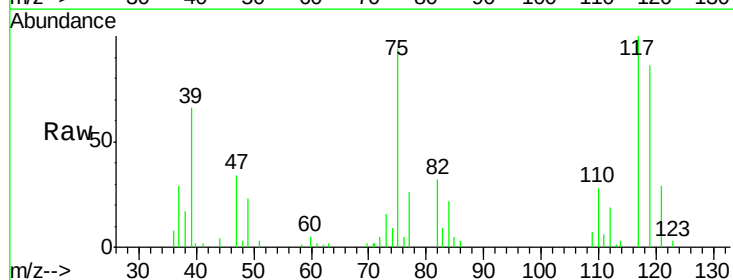
Acq: 09 Mar 2020 18:30

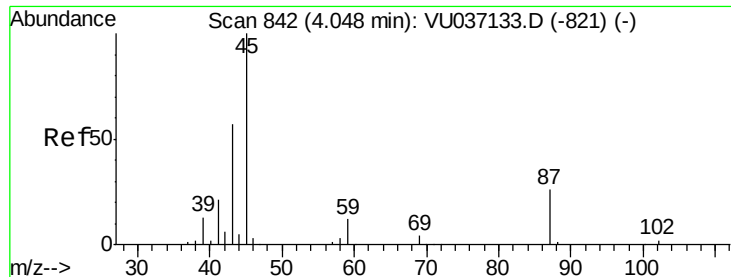
Tgt Ion: 117 Resp: 14725
Ion Ratio Lower Upper

117 100

119 85.7 77.0 115.6

121 28.7 23.3 34.9





#31

Isopropyl Ether

Concen: 2.015 ug/l

RT: 4.05 min Scan# 842

Delta R.T. -0.00 min

Lab File: VU037139.D

Acq: 09 Mar 2020 18:30

Instrument :

MSVOA_U

ClientSampleId :

VU0309WBS01

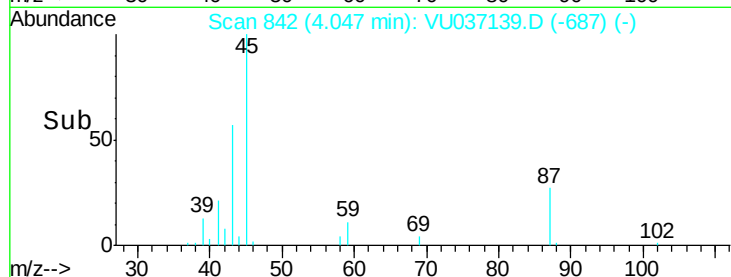
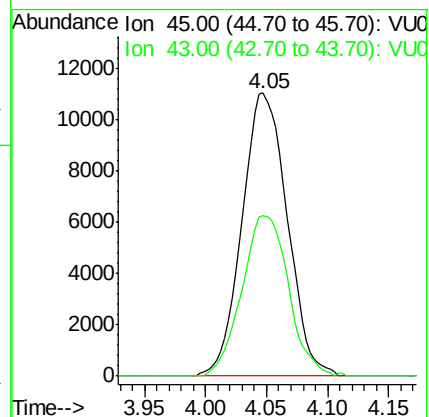
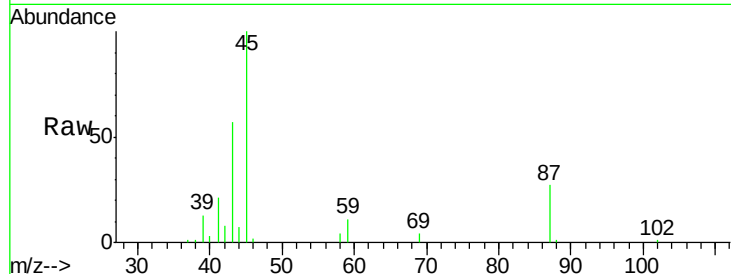
Tot Ion: 45 Resp: 28358

Ion Ratio Lower Upper

45 100

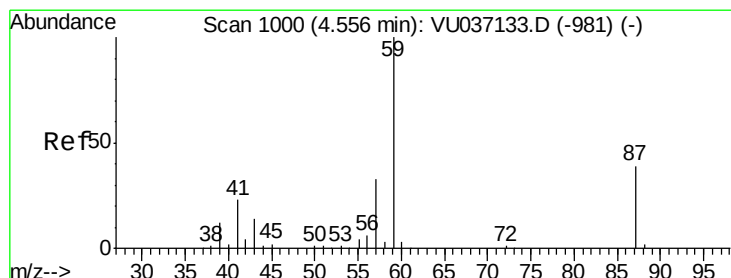
43 58.3 24.0 72.0

Manual Integrations
APPROVED



sam

3/10/2020 3:06:43 PM



#32

Ethyl-t-butyl ether

Concen: 1.930 ug/l

RT: 4.56 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VU037139.D

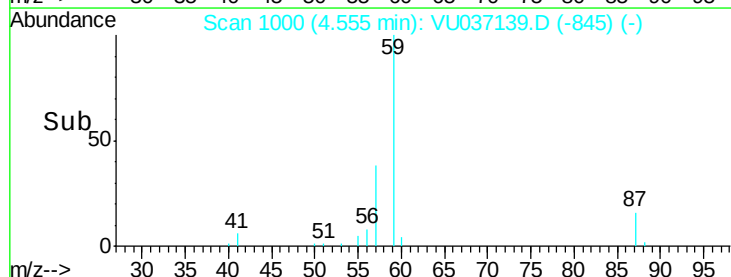
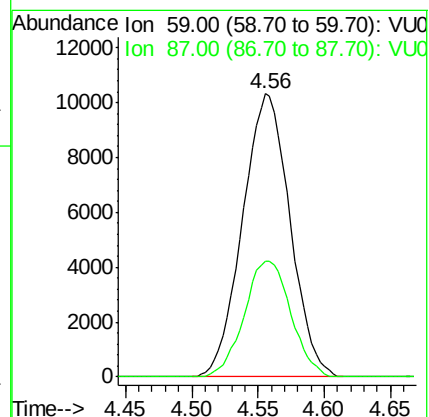
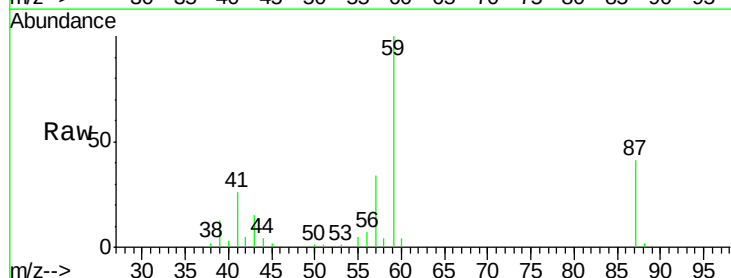
Acq: 09 Mar 2020 18:30

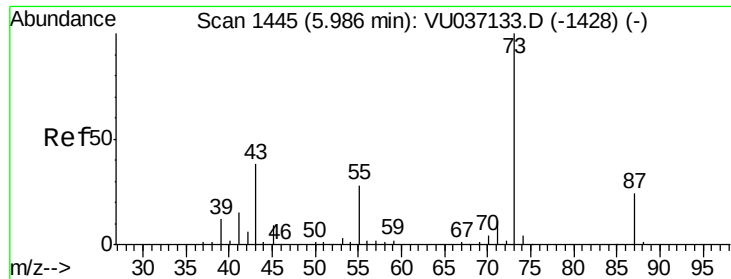
Tgt Ion: 59 Resp: 25642

Ion Ratio Lower Upper

59 100

87 40.1 35.1 52.7



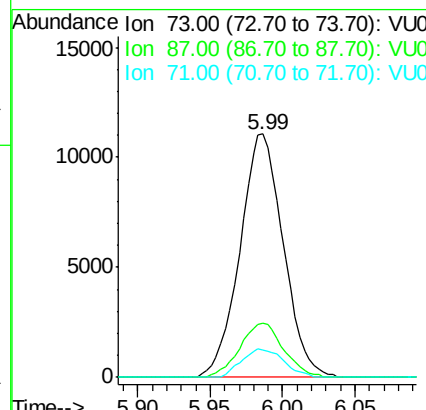
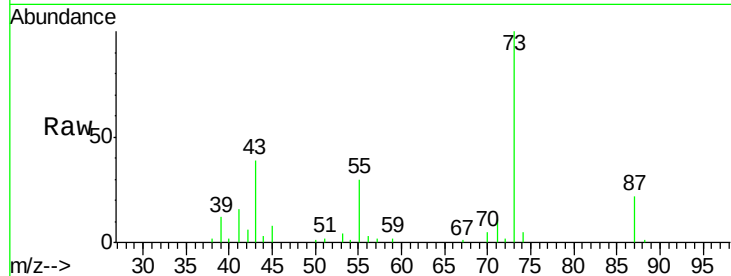


#33
Tert-Butyl methyl ether
Concen: 2.009 ug/l
RT: 5.99 min Scan# 1445
Delta R.T. -0.00 min
Lab File: VU037139.D
Acq: 09 Mar 2020 18:30

Instrument :
MSVOA_U
ClientSampleId :
VU0309WBS01

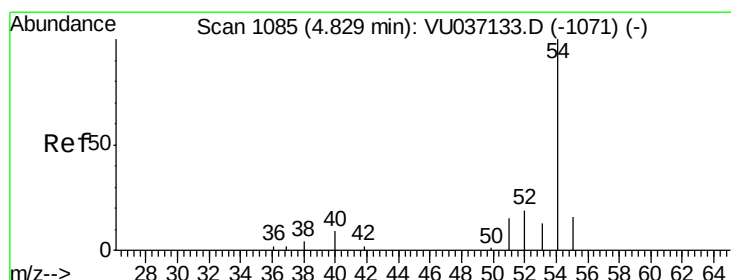
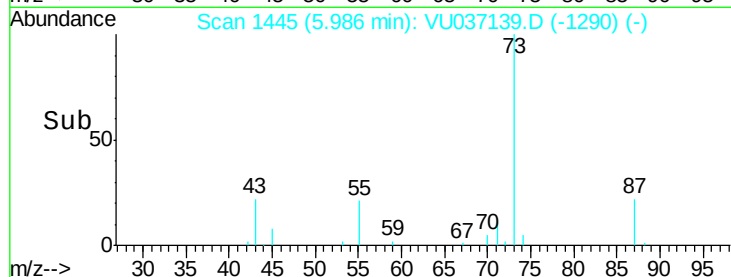
Tot Ion:	73	Resp:	22911
Ion	Ratio	Lower	Upper
73	100		
87	22.5	19.8	29.6
71	11.3	9.1	13.7

Manual Integrations
APPROVED



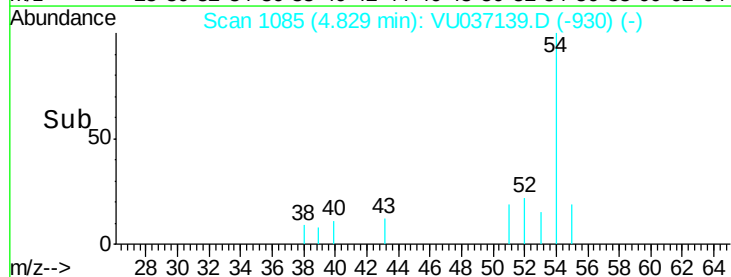
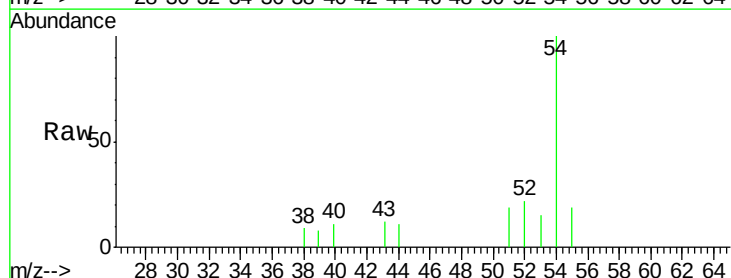
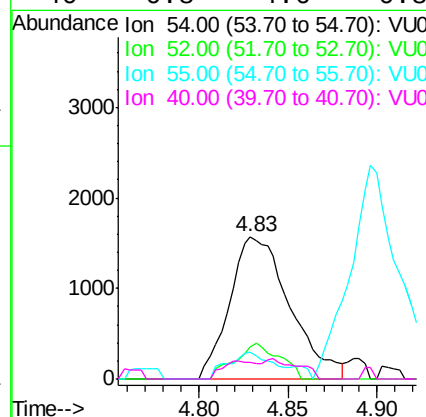
sam

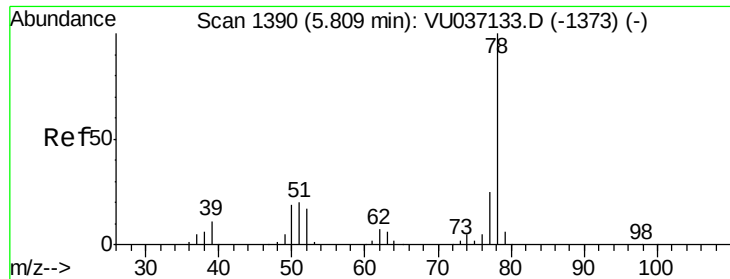
3/10/2020 3:06:43 PM



#34
Propionitrile
Concen: 9.753 ug/l
RT: 4.83 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VU037139.D
Acq: 09 Mar 2020 18:30

Tgt Ion:	54	Resp:	3691
Ion	Ratio	Lower	Upper
54	100		
52	18.5	15.2	22.8
55	14.1	9.5	14.3
40	6.8	4.6	6.8





#35

Benzene

Concen: 2.022 ug/l

RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VU037139.D

Acq: 09 Mar 2020 18:30

Instrument :

MSVOA_U

ClientSampleId :

VU0309WBS01

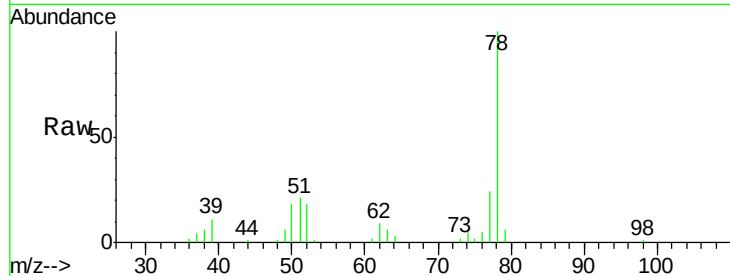
Tot Ion: 78 Resp: 37781

Ion Ratio Lower Upper

78 100

77 24.4 19.4 29.0

Manual Integrations
APPROVED



Abundance Ion 78.10 (77.80 to 78.80): VU037139.D (-1391) (-)

Ion 77.00 (76.70 to 77.70): VU037139.D (-1391) (-)

5.81

20000

15000

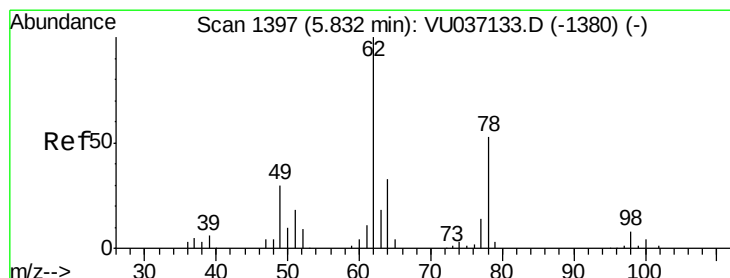
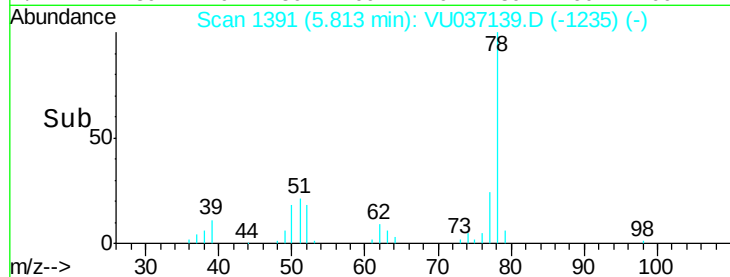
10000

5000

0

Time-->

5.75 5.80 5.85 5.90



#36

1,2-Dichloroethane

Concen: 1.979 ug/l

RT: 5.84 min Scan# 1398

Delta R.T. 0.00 min

Lab File: VU037139.D

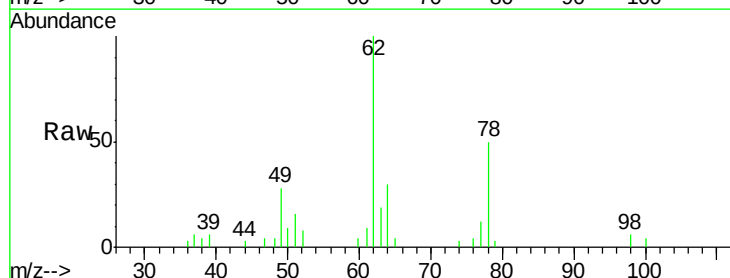
Acq: 09 Mar 2020 18:30

Tgt Ion: 62 Resp: 13403

Ion Ratio Lower Upper

62 100

98 7.3 7.8 11.8#



Abundance Ion 62.00 (61.70 to 62.70): VU037139.D (-1398) (-)

Ion 98.00 (97.70 to 98.70): VU037139.D (-1398) (-)

5.84

8000

6000

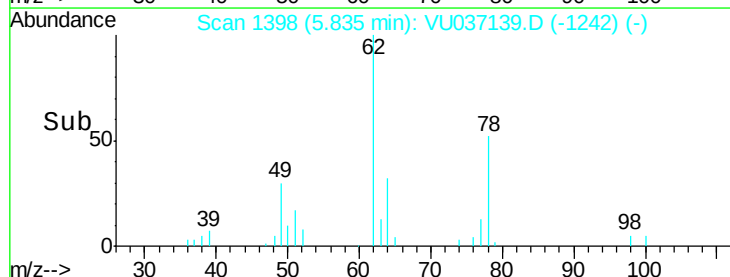
4000

2000

0

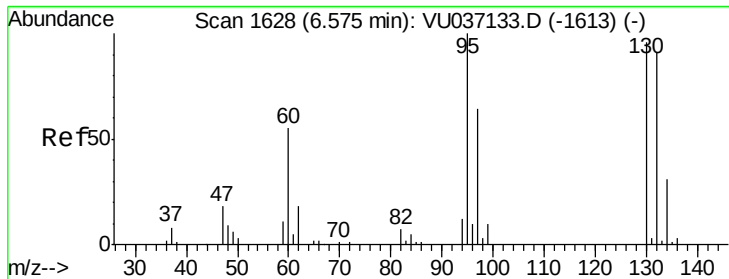
Time-->

5.75 5.80 5.85 5.90



sam

3/10/2020 3:06:43 PM

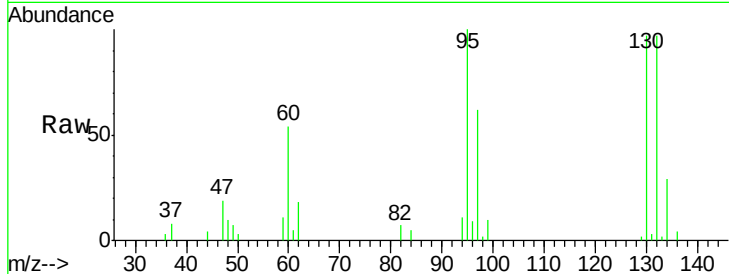


#37
 Trichloroethene
 Concen: 2.001 ug/l
 RT: 6.57 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: VU037139.D
 Acq: 09 Mar 2020 18:30

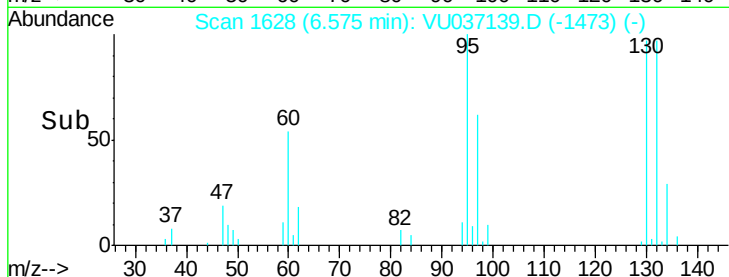
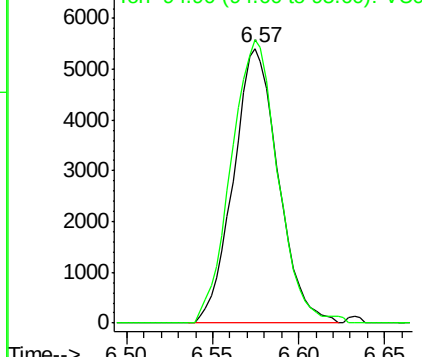
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0309WBS01

Tot Ion:130 Resp: 9808
 Ion Ratio Lower Upper
 130 100
 95 103.1 77.0 115.4

Manual Integrations
 APPROVED

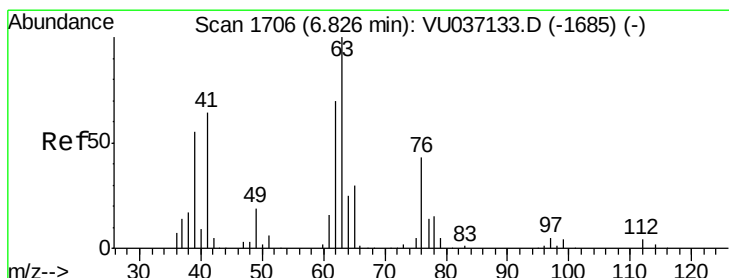


Abundance Ion 129.90 (129.60 to 130.60): VU037139.D (-1473) (-)
 Ion 94.90 (94.60 to 95.60): VU037139.D (-1473) (-)



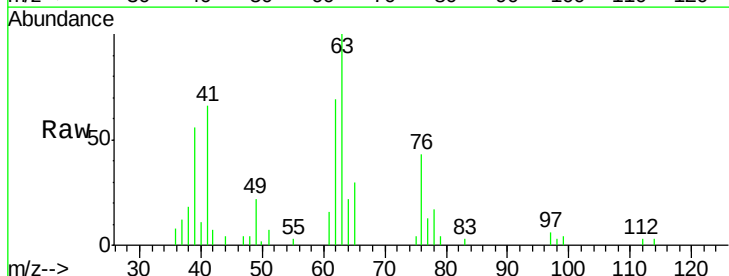
sam

3/10/2020 3:06:43 PM

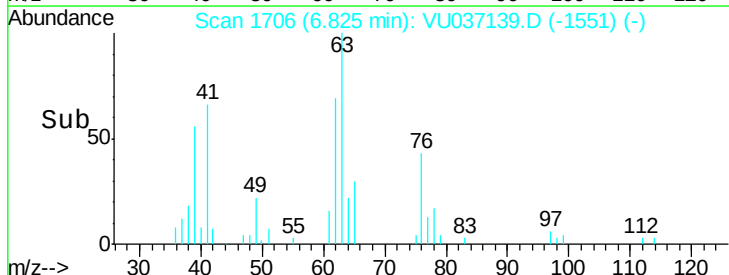
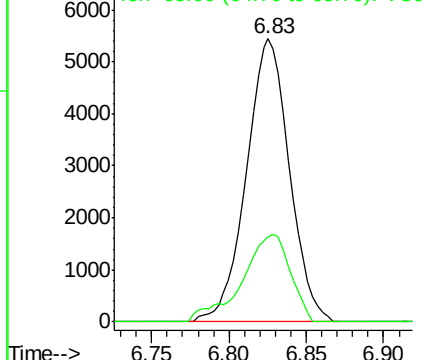


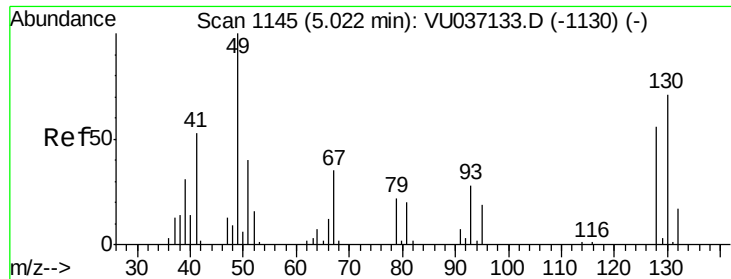
#38
 1,2-Dichloropropane
 Concen: 2.053 ug/l
 RT: 6.83 min Scan# 1706
 Delta R.T. -0.00 min
 Lab File: VU037139.D
 Acq: 09 Mar 2020 18:30

Tgt Ion: 63 Resp: 10528
 Ion Ratio Lower Upper
 63 100
 65 29.8 24.7 37.1



Abundance Ion 63.00 (62.70 to 63.70): VU037139.D (-1551) (-)
 Ion 65.00 (64.70 to 65.70): VU037139.D (-1551) (-)



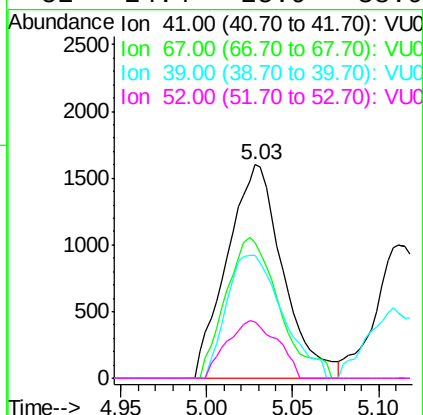
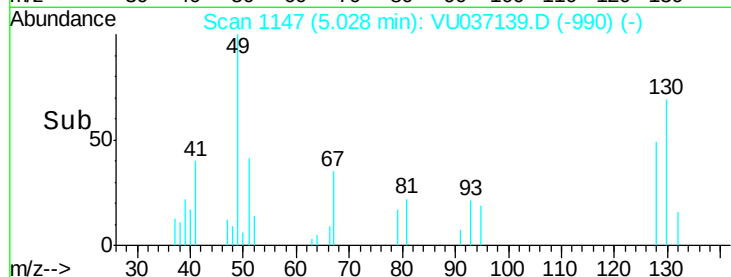
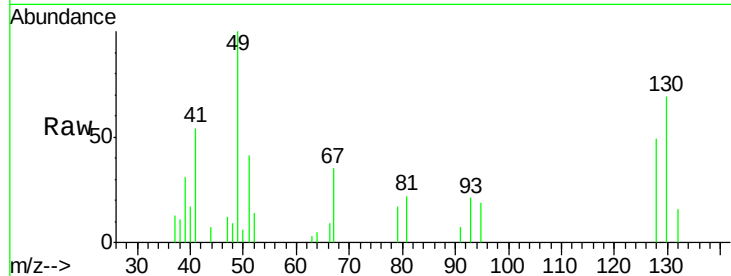


#39
Methacrylonitrile
Concen: 1.980 ug/l
RT: 5.03 min Scan# 1147
Delta R.T. 0.01 min
Lab File: VU037139.D
Acq: 09 Mar 2020 18:30

Instrument :
MSVOA_U
ClientSampleId :
VU0309WBS01

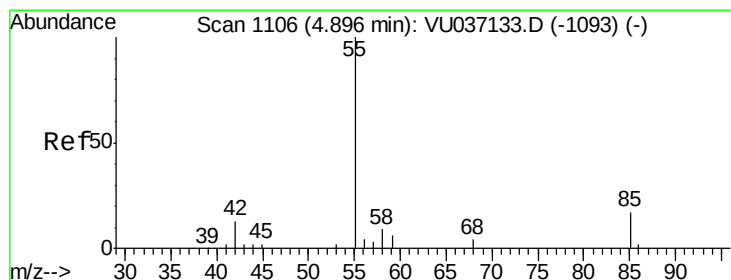
Tot Ion	Ratio	Lower	Upper
41	100		
67	63.0	69.6	104.4#
39	57.4	41.6	62.4
52	24.4	25.9	38.9#

Manual Integrations
APPROVED



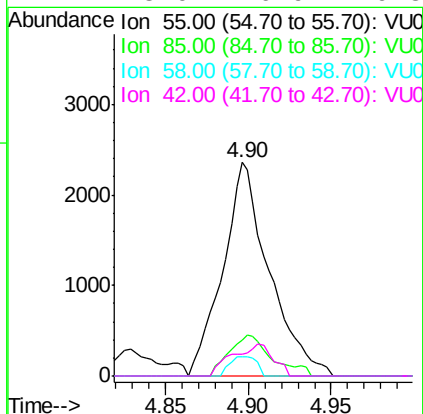
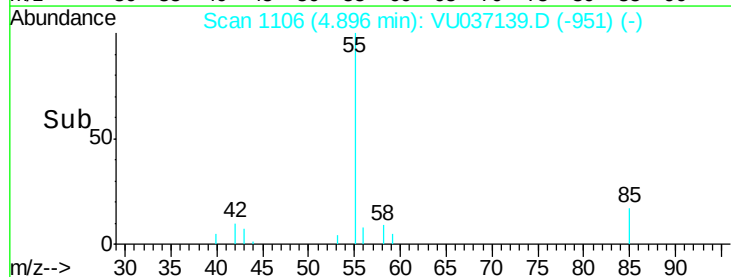
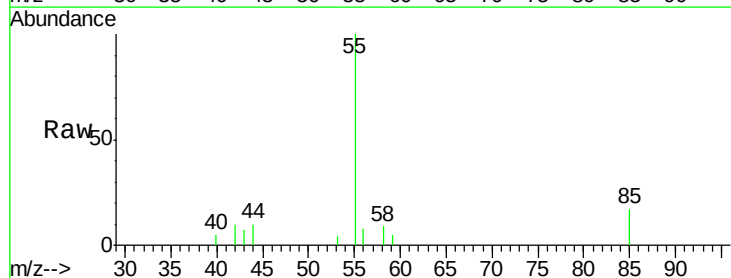
sam

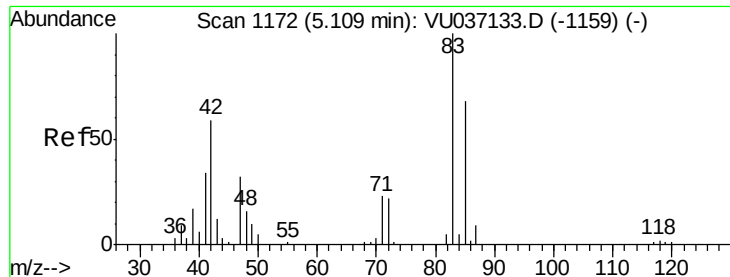
3/10/2020 3:06:43 PM



#40
Methyl acrylate
Concen: 1.819 ug/l
RT: 4.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU037139.D
Acq: 09 Mar 2020 18:30

Tgt Ion	Ratio	Lower	Upper
55	100		
85	17.5	14.7	22.1
58	5.2	7.1	10.7#
42	13.0	6.9	10.3#





#41

Tetrahydrofuran

Concen: 3.554 ug/l

RT: 5.11 min Scan# 1172

Delta R.T. -0.00 min

Lab File: VU037139.D

Acq: 09 Mar 2020 18:30

Instrument :

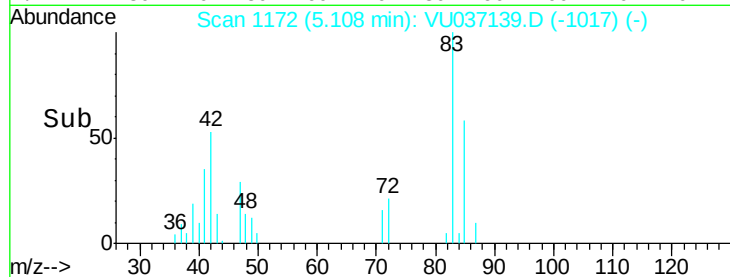
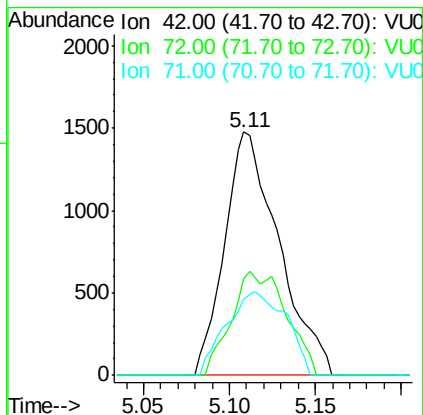
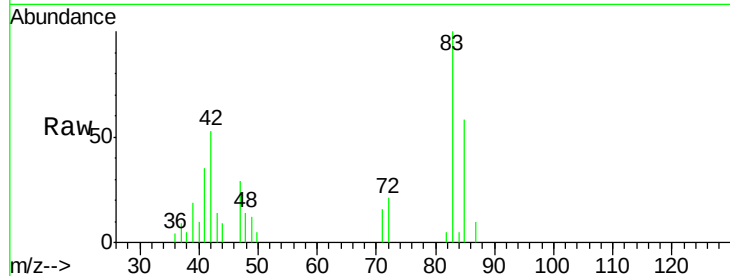
MSVOA_U

ClientSampleId :

VU0309WBS01

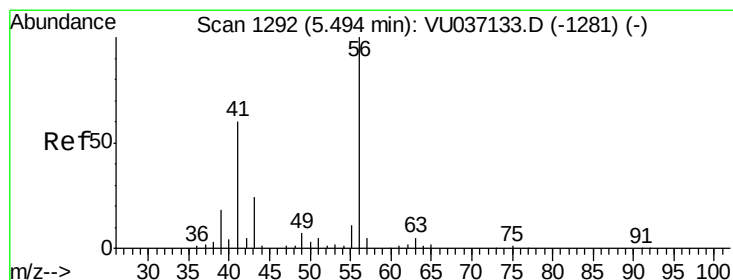
Tot Ion:	42	Resp:	3238
Ion	Ratio	Lower	Upper
42	100		
72	23.6	42.5	63.7#
71	37.8	37.3	55.9

Manual Integrations
APPROVED



sam

3/10/2020 3:06:43 PM



#42

1-Chlorobutane

Concen: 2.038 ug/l

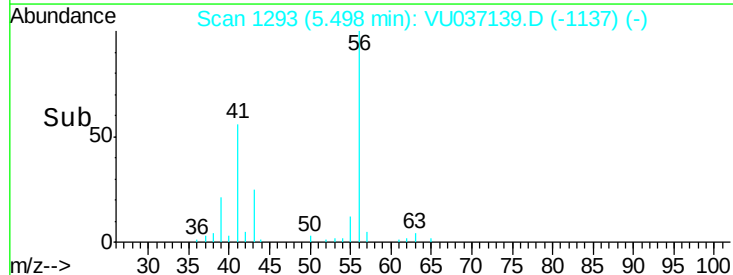
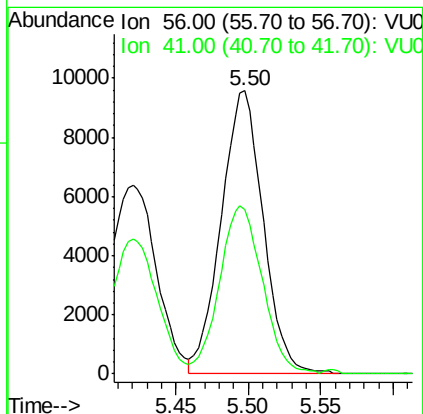
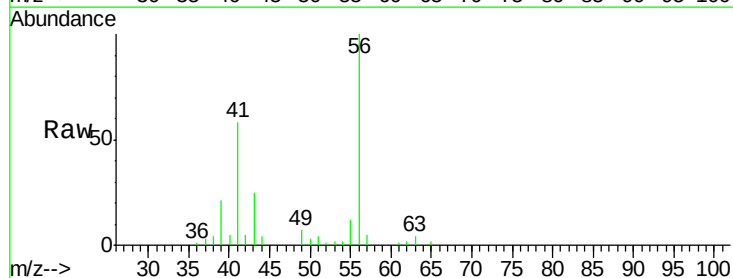
RT: 5.50 min Scan# 1293

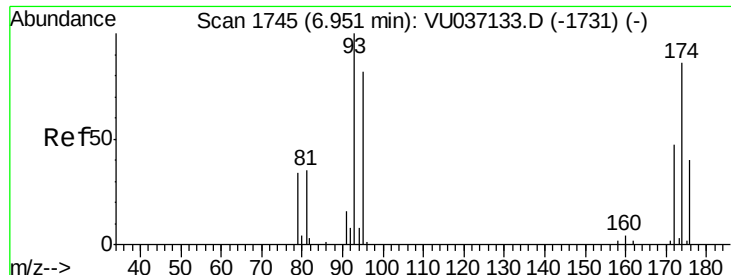
Delta R.T. 0.00 min

Lab File: VU037139.D

Acq: 09 Mar 2020 18:30

Tgt Ion:	56	Resp:	19304
Ion	Ratio	Lower	Upper
56	100		
41	60.5	24.8	74.3



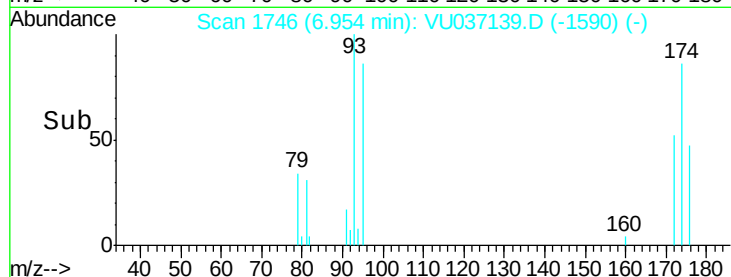
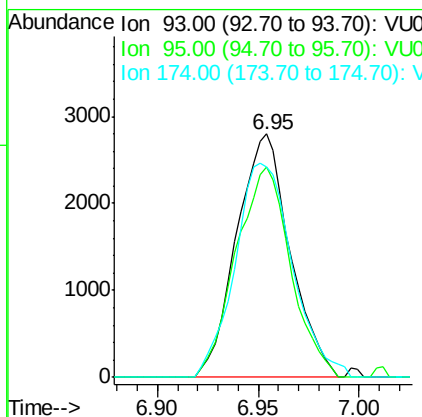
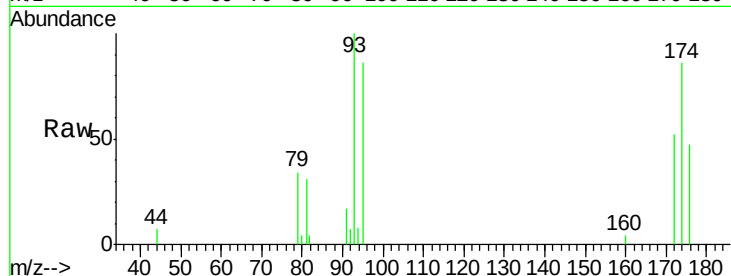


#43
Dibromomethane
Concen: 1.971 ug/l
RT: 6.95 min Scan# 1746
Delta R.T. 0.00 min
Lab File: VU037139.D
Acq: 09 Mar 2020 18:30

Instrument :
MSVOA_U
ClientSampleId :
VU0309WBS01

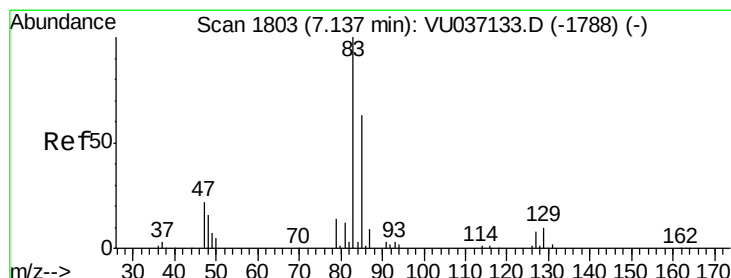
Tot Ion: 93 Resp: 5181
Ion Ratio Lower Upper
93 100
95 88.4 67.9 101.9
174 94.7 83.4 125.0

Manual Integrations
APPROVED



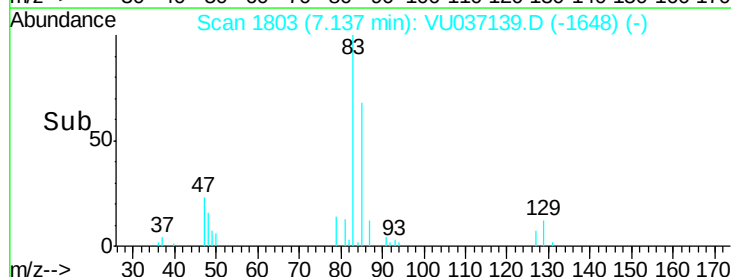
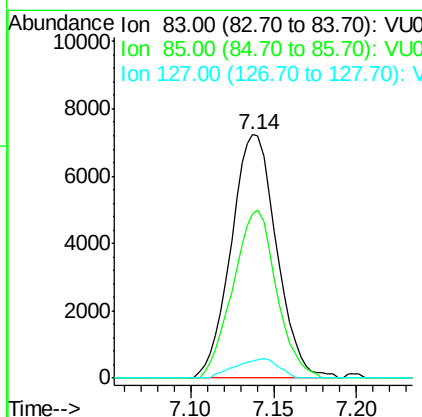
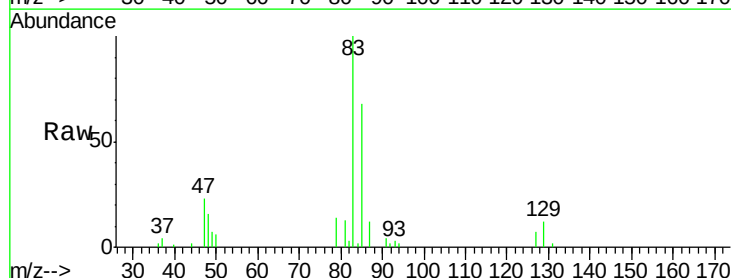
sam

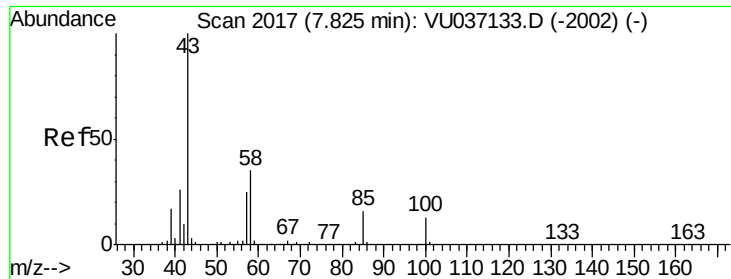
3/10/2020 3:06:43 PM



#44
Bromodichloromethane
Concen: 2.011 ug/l
RT: 7.14 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VU037139.D
Acq: 09 Mar 2020 18:30

Tgt Ion: 83 Resp: 13758
Ion Ratio Lower Upper
83 100
85 67.5 51.8 77.6
127 7.1 6.8 10.2



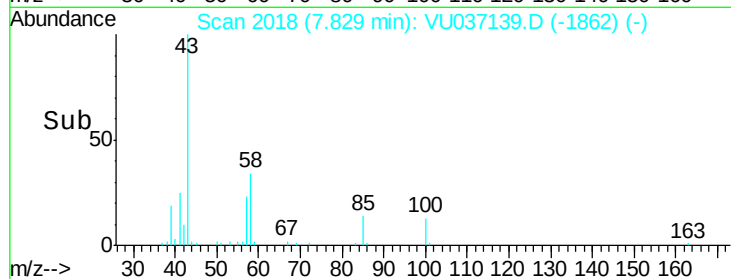
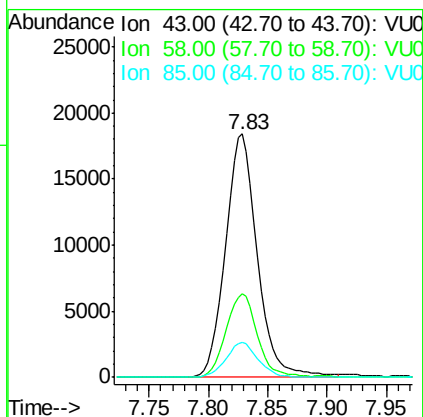
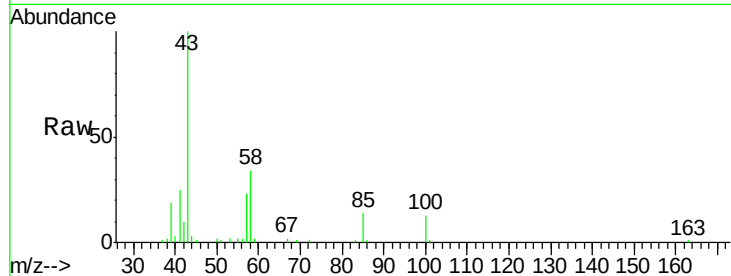


#45
4-Methyl-2-Pentanone
Concen: 9.690 ug/l
RT: 7.83 min Scan# 2018
Delta R.T. 0.00 min
Lab File: VU037139.D
Acq: 09 Mar 2020 18:30

Instrument :
MSVOA_U
ClientSampleId :
VU0309WBS01

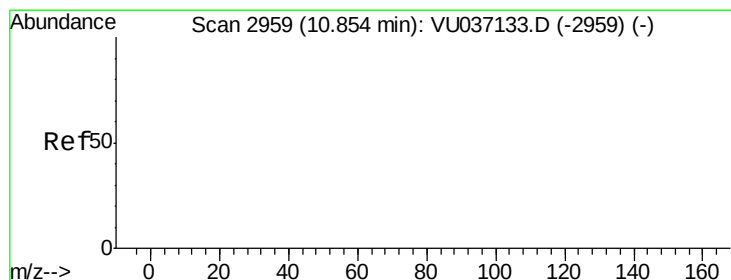
Tot Ion	Ratio	Lower	Upper
43	100		
58	33.8	22.1	66.1
85	14.4	17.4	26.0

Manual Integrations
APPROVED



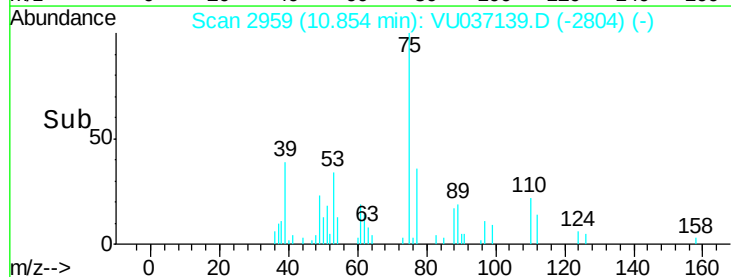
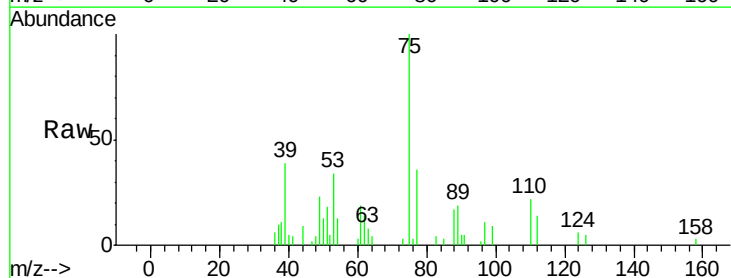
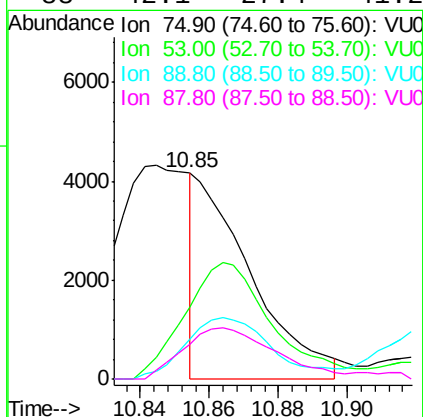
sam

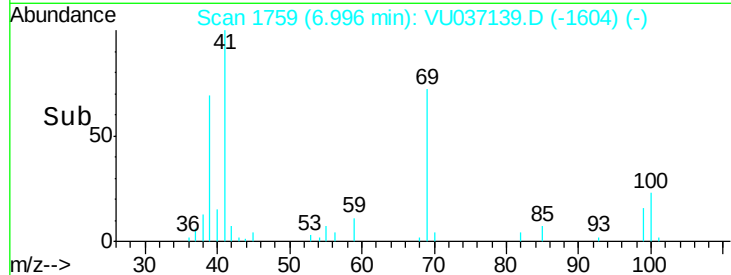
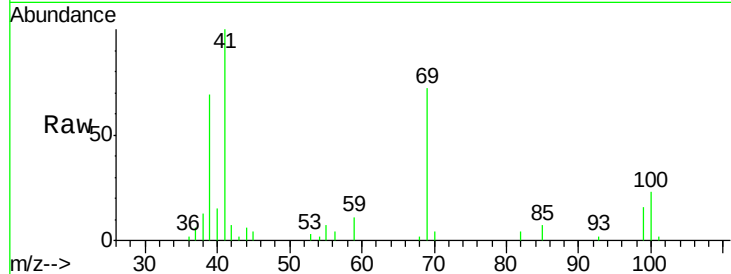
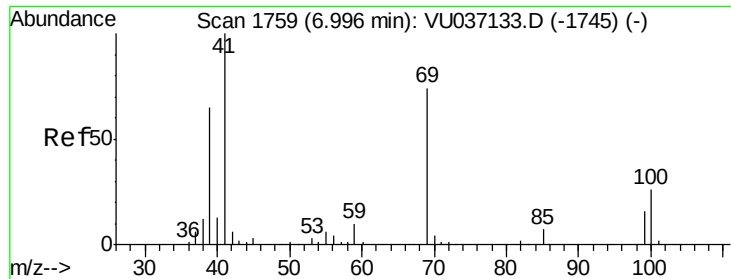
3/10/2020 3:06:43 PM



#46
t-1,4-Dichloro-2-butene
Concen: 4.757 ug/l m
RT: 10.85 min Scan# 2959
Delta R.T. -0.00 min
Lab File: VU037139.D
Acq: 09 Mar 2020 18:30

Tgt Ion	Ratio	Lower	Upper
75	100		
53	89.6	52.2	78.2
89	46.8	39.8	59.6
88	42.1	27.4	41.2



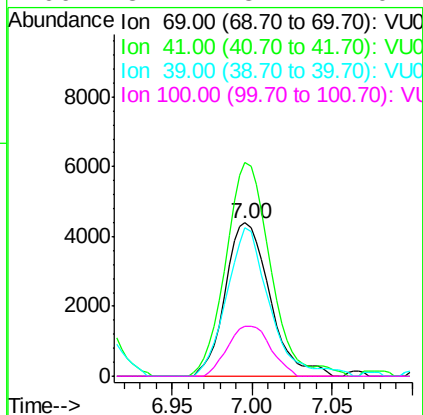


#47
Methyl methacrylate
Concen: 3.849 ug/l
RT: 7.00 min Scan# 1759
Delta R.T. -0.00 min
Lab File: VU037139.D
Acq: 09 Mar 2020 18:30

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	136.6	0.0	200.8	
39	90.7	43.5	65.3	
100	31.2	31.1	46.7	

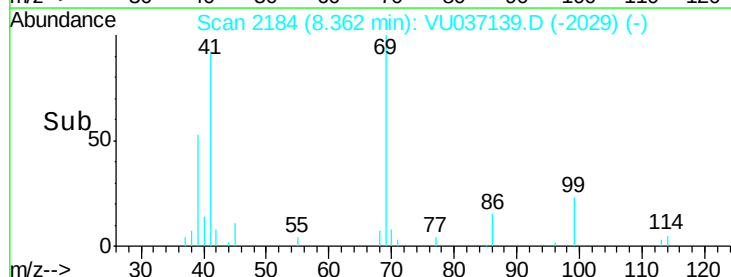
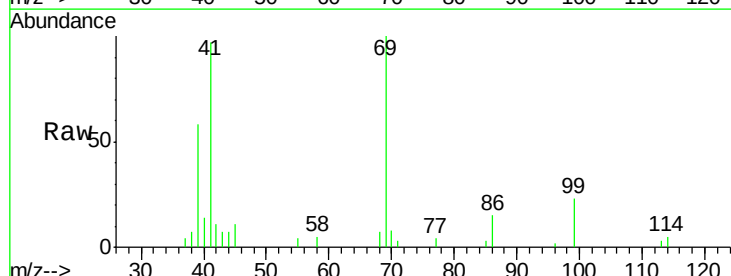
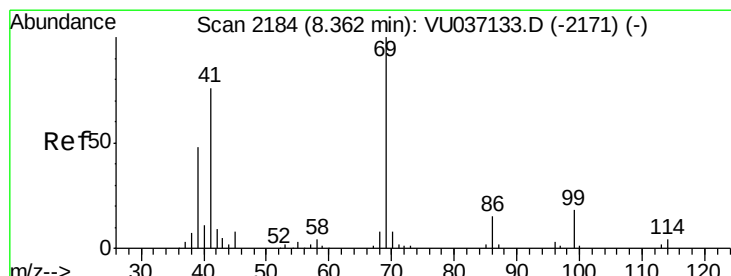
Instrument :
MSVOA_U
ClientSampleId :
VU0309WBS01

Manual Integrations
APPROVED



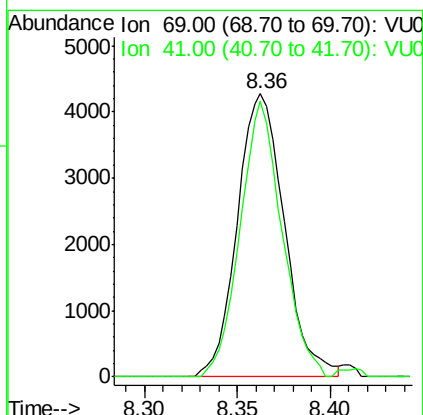
sam

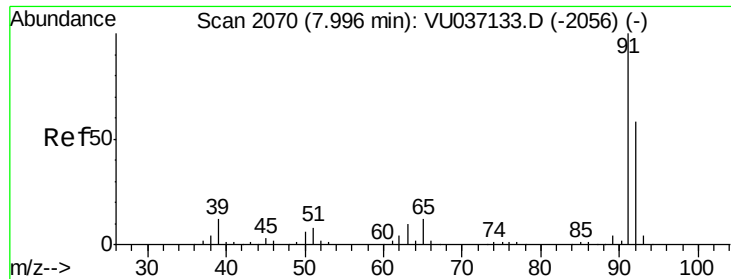
3/10/2020 3:06:43 PM



#48
Ethyl methacrylate
Concen: 1.752 ug/l
RT: 8.36 min Scan# 2184
Delta R.T. -0.00 min
Lab File: VU037139.D
Acq: 09 Mar 2020 18:30

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	86.7	27.9	83.6	





#49

Toluene

Concen: 1.975 ug/l

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU037139.D

Acq: 09 Mar 2020 18:30

Instrument :

MSVOA_U

ClientSampleId :

VU0309WBS01

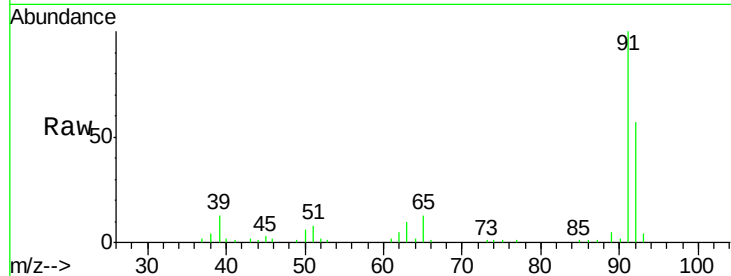
Tot Ion: 92 Resp: 22284

Ion Ratio Lower Upper

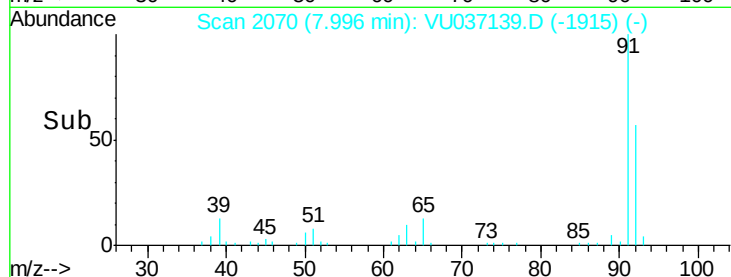
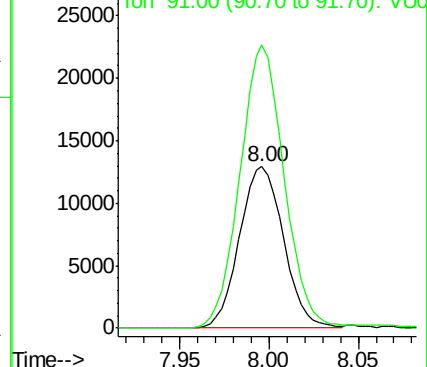
92 100

91 175.3 139.1 208.7

Manual Integrations
APPROVED

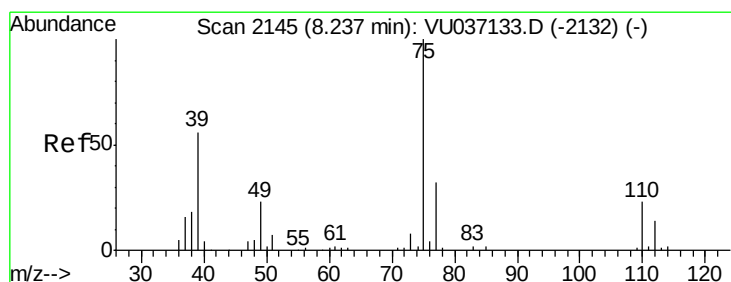


Abundance Ion 92.00 (91.70 to 92.70): VU037139.D (-1915) (-)



sam

3/10/2020 3:06:43 PM



#50

t-1,3-Dichloropropene

Concen: 1.903 ug/l

RT: 8.24 min Scan# 2145

Delta R.T. -0.00 min

Lab File: VU037139.D

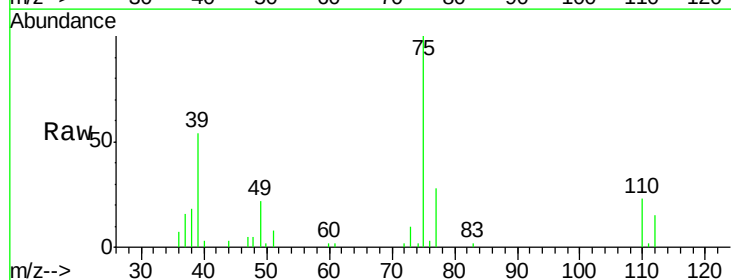
Acq: 09 Mar 2020 18:30

Tgt Ion: 75 Resp: 11733

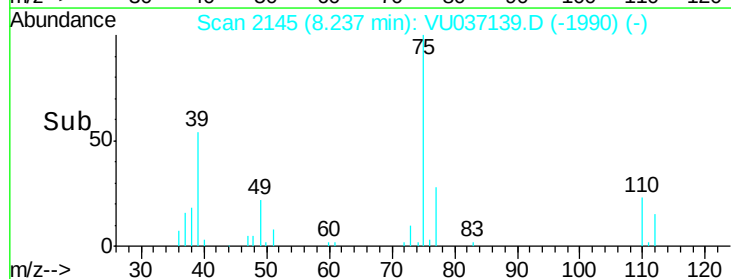
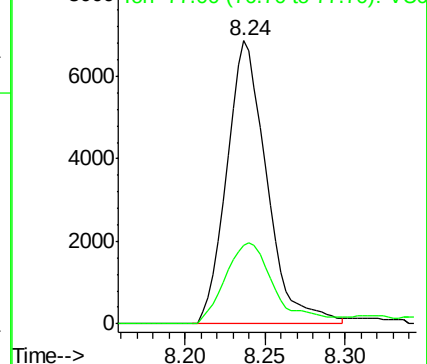
Ion Ratio Lower Upper

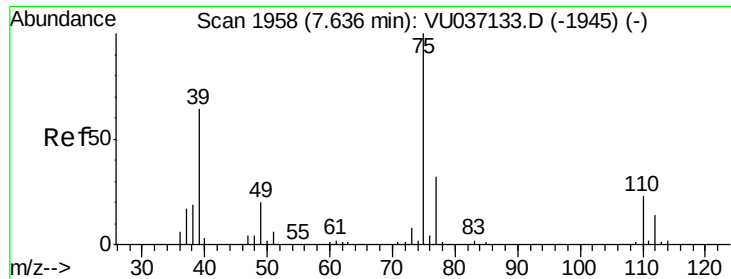
75 100

77 27.7 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU037139.D (-1990) (-)



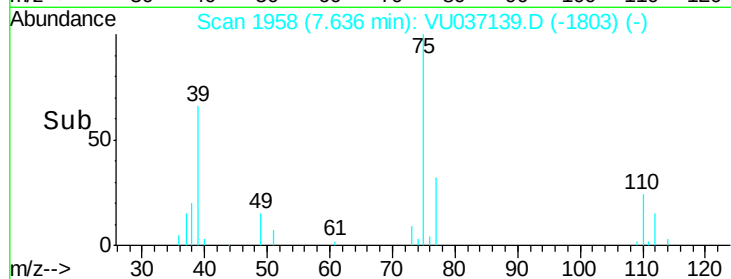
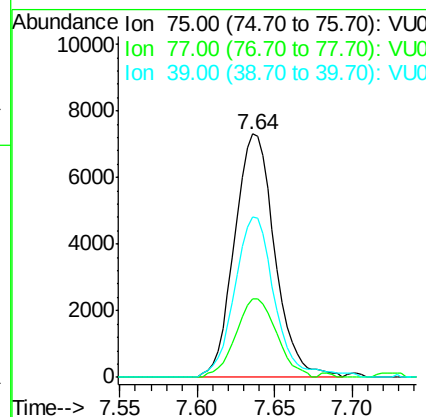
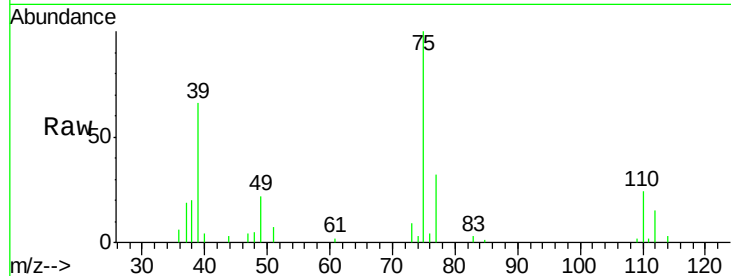


#51
 cis-1,3-Dichloropropene
 Concen: 1.882 ug/l
 RT: 7.64 min Scan# 1958
 Delta R.T. -0.00 min
 Lab File: VU037139.D
 Acq: 09 Mar 2020 18:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0309WBS01

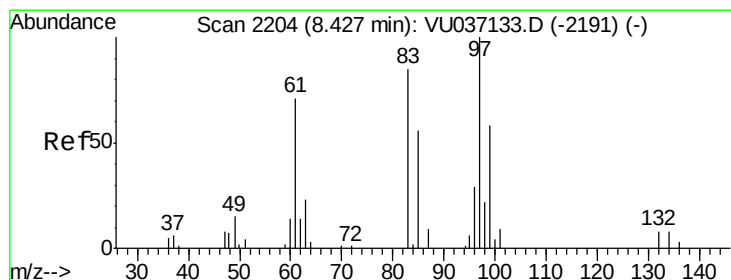
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.3	37.9
39	65.9	31.8	47.6

Manual Integrations
 APPROVED



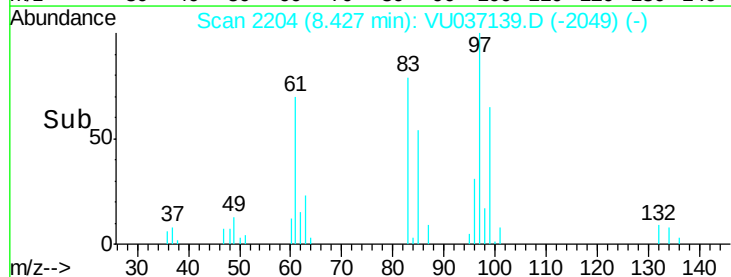
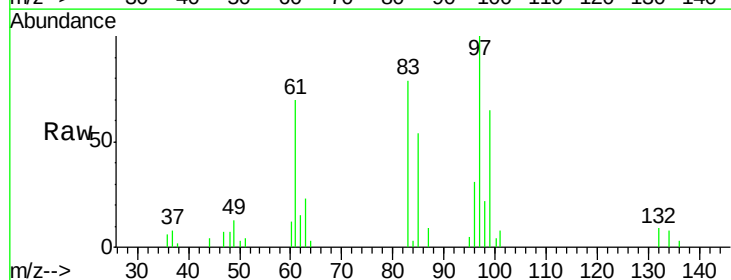
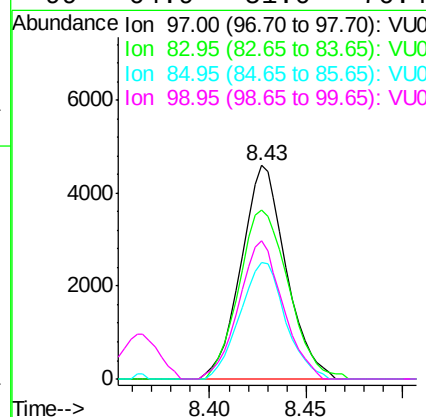
sam

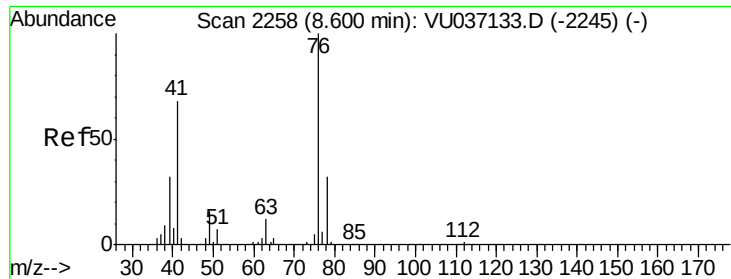
3/10/2020 3:06:43 PM



#52
 1,1,2-Trichloroethane
 Concen: 2.117 ug/l
 RT: 8.43 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VU037139.D
 Acq: 09 Mar 2020 18:30

Tgt Ion	Ratio	Lower	Upper
97	100		
83	78.8	70.9	106.3
85	54.3	45.6	68.4
99	64.9	51.0	76.4



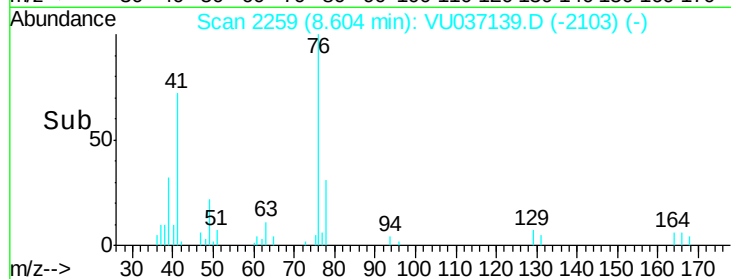
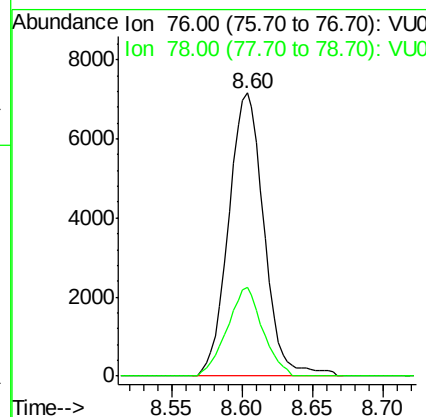
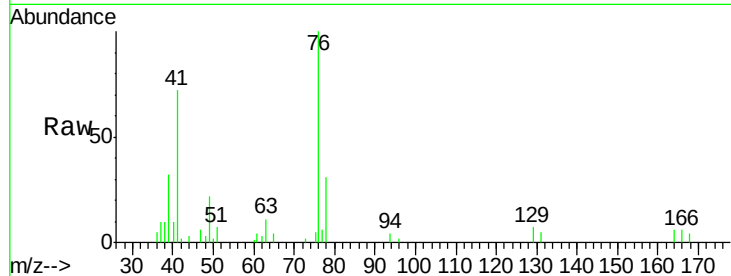


#53
 1,3-Dichloropropane
 Concen: 2.015 ug/l
 RT: 8.60 min Scan# 2259
 Delta R.T. 0.00 min
 Lab File: VU037139.D
 Acq: 09 Mar 2020 18:30

Instrument :
 MSVOA_U
 ClientSampled :
 VU0309WBS01

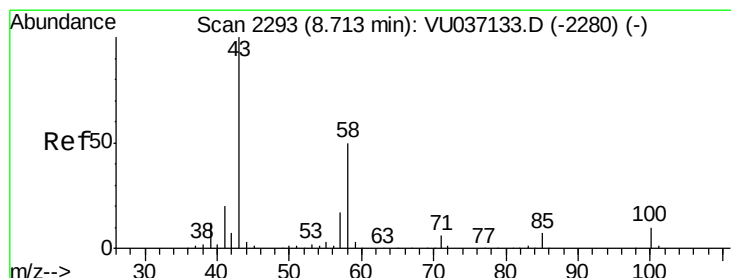
Tot Ion	Ratio	Lower	Upper
76	100		
78	31.4	25.4	38.2

Manual Integrations
 APPROVED



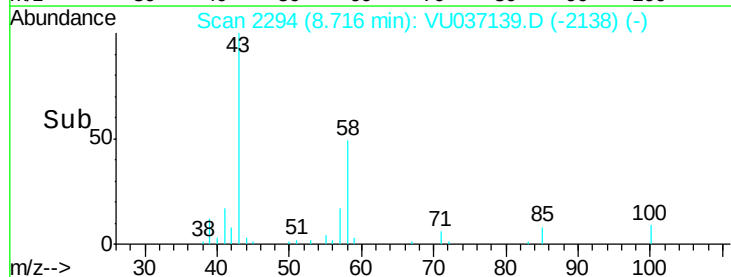
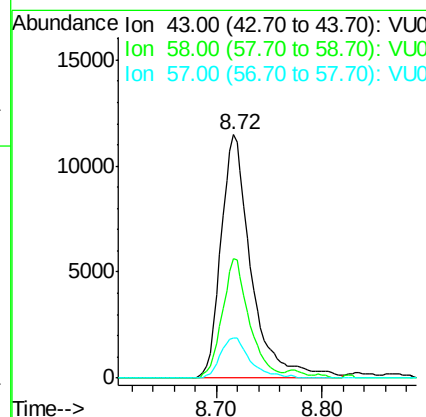
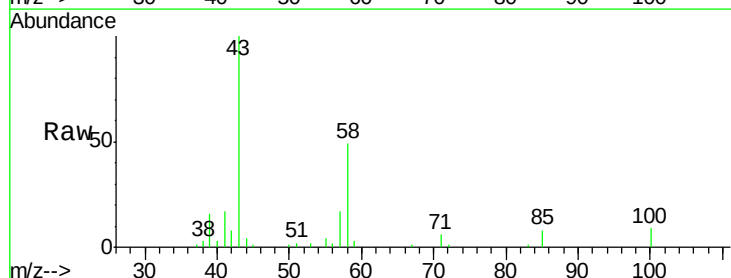
sam

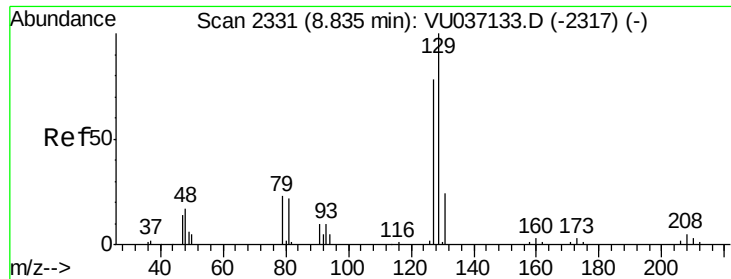
3/10/2020 3:06:43 PM



#54
 2-Hexanone
 Concen: 9.401 ug/l
 RT: 8.72 min Scan# 2294
 Delta R.T. 0.00 min
 Lab File: VU037139.D
 Acq: 09 Mar 2020 18:30

Tgt Ion	Ratio	Lower	Upper
43	100		
58	43.6	40.6	80.6
57	16.2	1.2	41.2



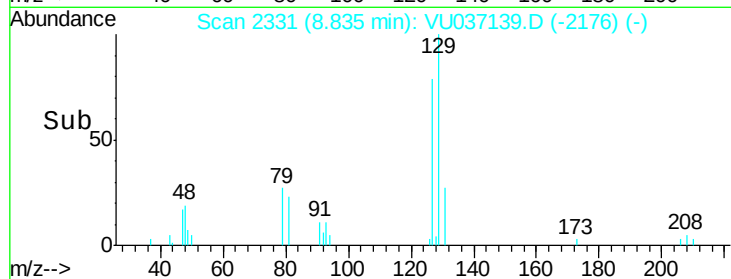
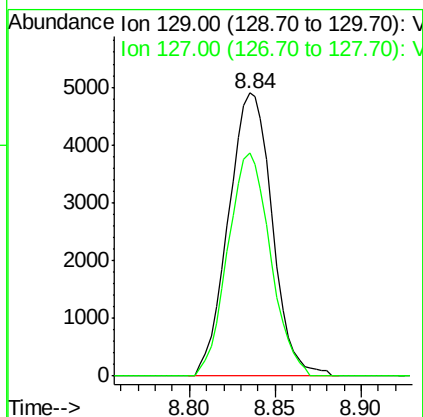
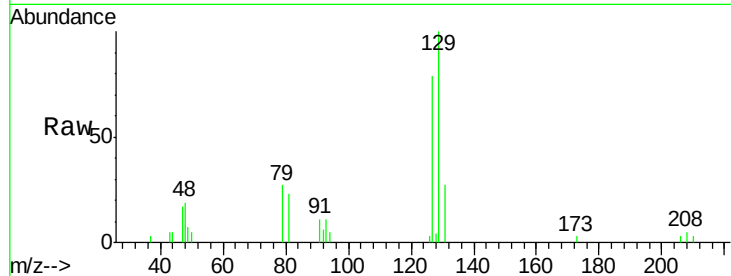


#55
 Dibromochloromethane
 Concen: 1.997 ug/l
 RT: 8.84 min Scan# 2331
 Delta R.T. -0.00 min
 Lab File: VU037139.D
 Acq: 09 Mar 2020 18:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0309WBS01

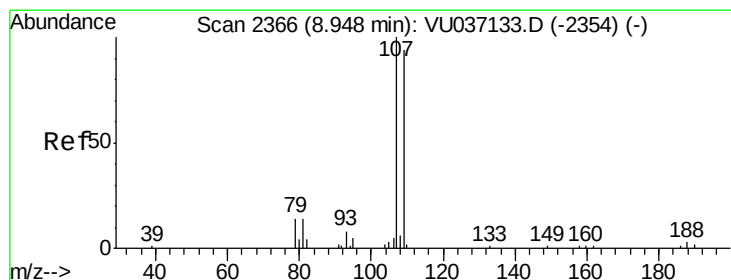
Tot Ion	Ratio	Lower	Upper
129	100		
127	76.7	62.6	94.0

Manual Integrations
 APPROVED



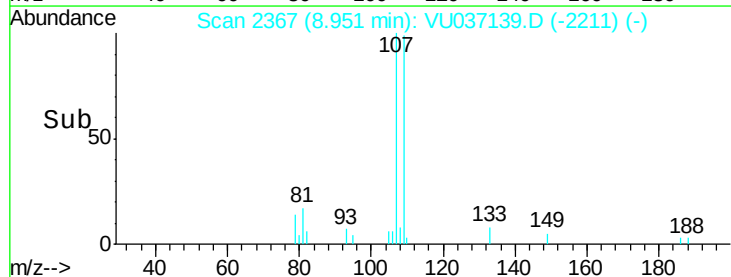
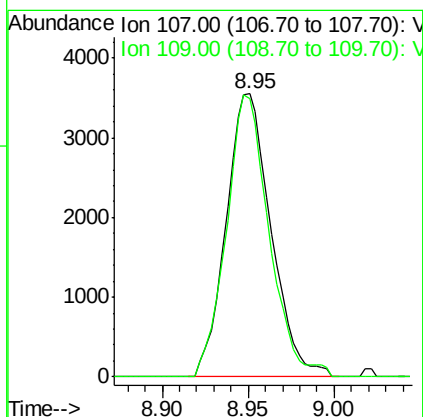
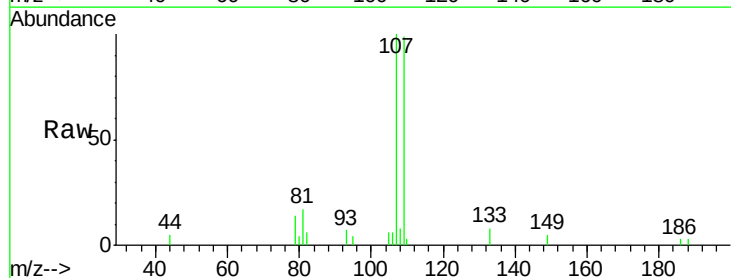
sam

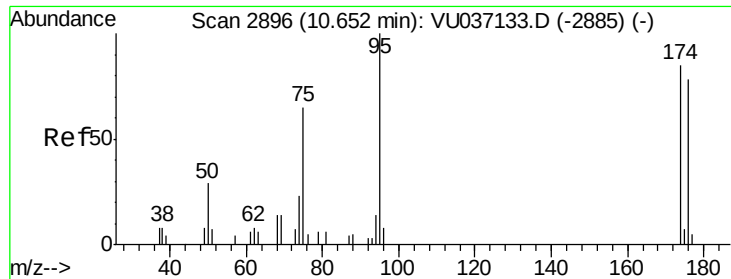
3/10/2020 3:06:43 PM



#56
 1,2-Dibromoethane
 Concen: 1.948 ug/l
 RT: 8.95 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VU037139.D
 Acq: 09 Mar 2020 18:30

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.7	0.0	190.8



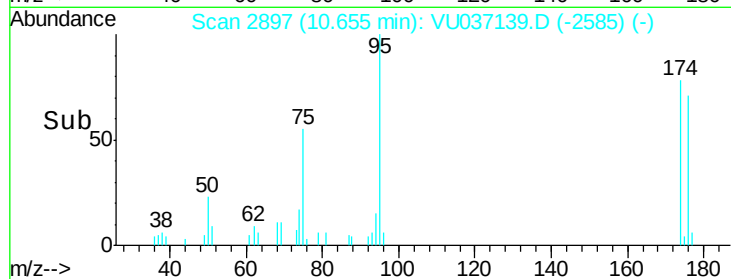
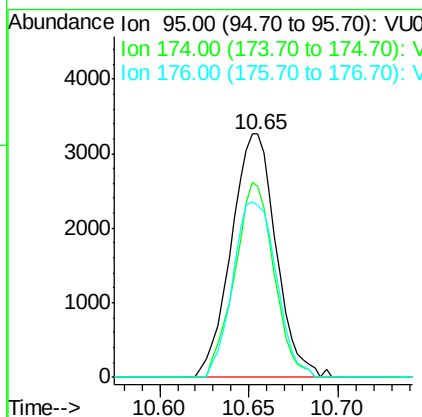
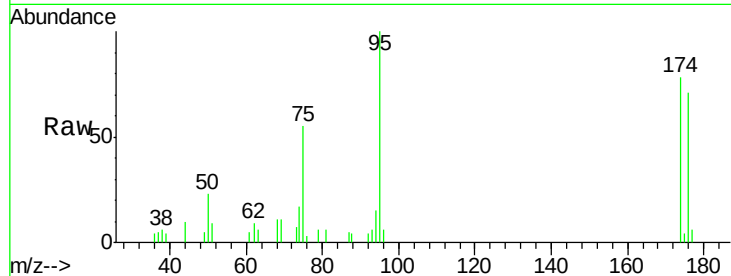


#57
4-Bromofluorobenzene
Concen: 0.954 ug/l
RT: 10.65 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VU037139.D
Acq: 09 Mar 2020 18:30

Instrument :
MSVOA_U
ClientSampleId :
VU0309WBS01

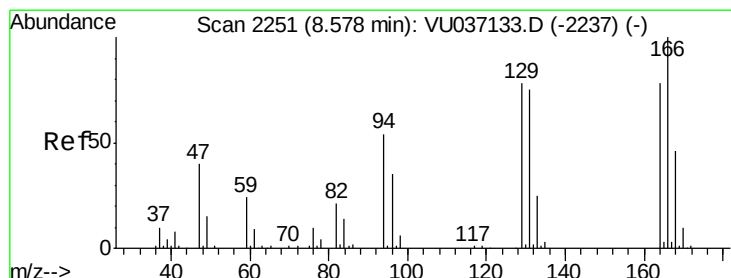
Tot Ion	Ratio	Lower	Upper
95	100		
174	70.2	64.7	97.1
176	70.1	60.6	91.0

Manual Integrations
APPROVED



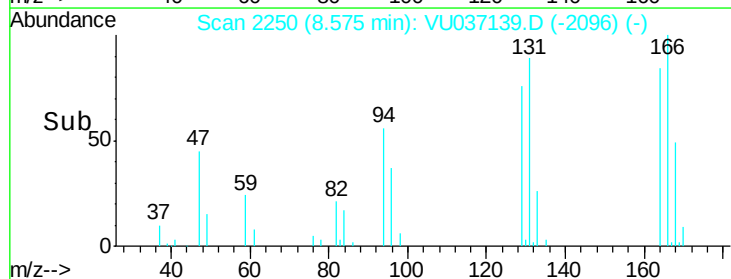
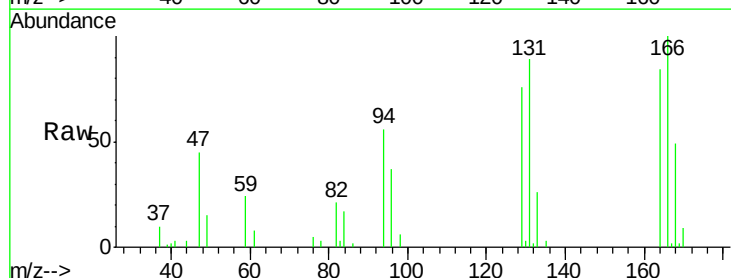
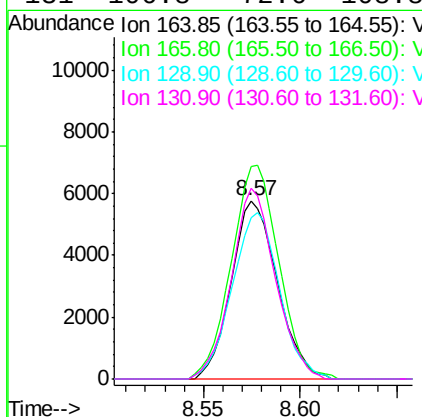
sam

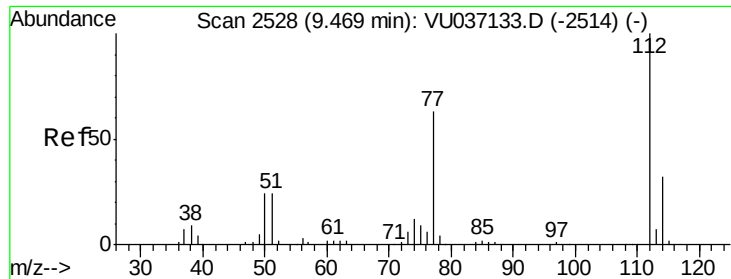
3/10/2020 3:06:43 PM



#58
Tetrachloroethene
Concen: 2.074 ug/l
RT: 8.57 min Scan# 2250
Delta R.T. -0.00 min
Lab File: VU037139.D
Acq: 09 Mar 2020 18:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.7	102.0	153.0
129	90.9	74.9	112.3
131	106.8	72.6	108.8



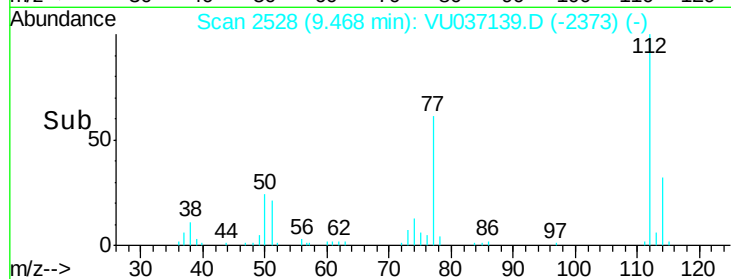
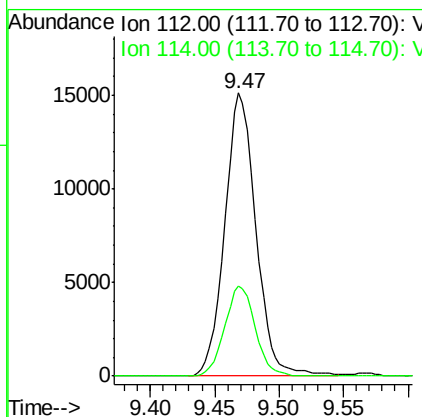
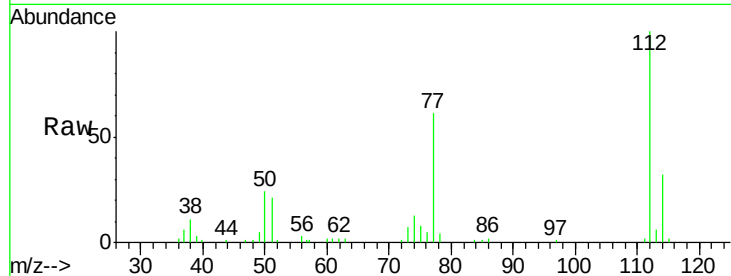


#59
Chlorobenzene
Concen: 2.016 ug/l
RT: 9.47 min Scan# 2528
Delta R.T. -0.00 min
Lab File: VU037139.D
Acq: 09 Mar 2020 18:30

Instrument :
MSVOA_U
ClientSampleId :
VU0309WBS01

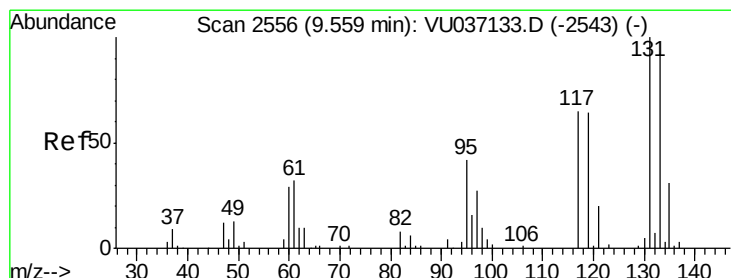
Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.8	38.8

Manual Integrations
APPROVED



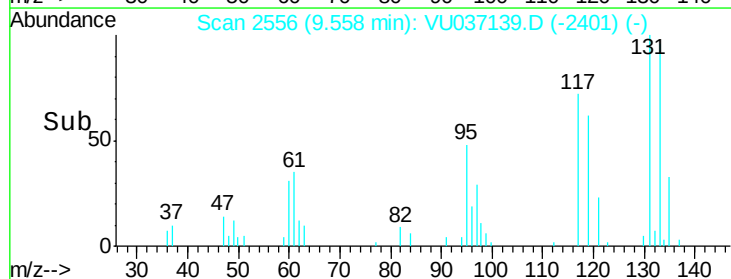
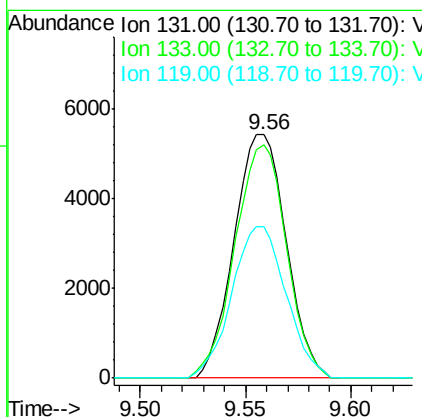
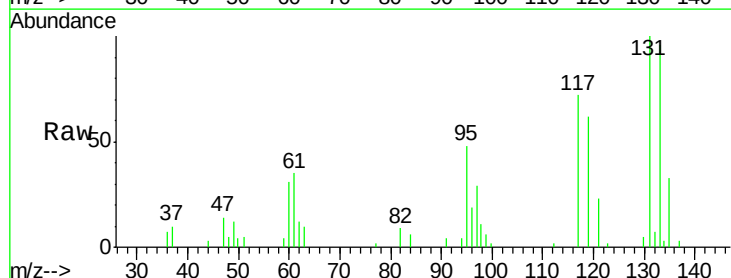
sam

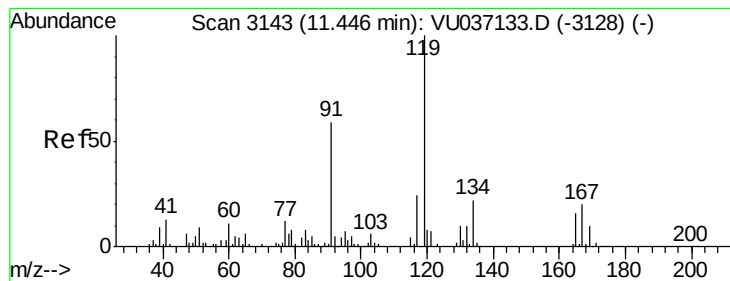
3/10/2020 3:06:43 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 2.026 ug/l
RT: 9.56 min Scan# 2556
Delta R.T. -0.00 min
Lab File: VU037139.D
Acq: 09 Mar 2020 18:30

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.7	76.4	114.6
119	64.6	56.6	85.0



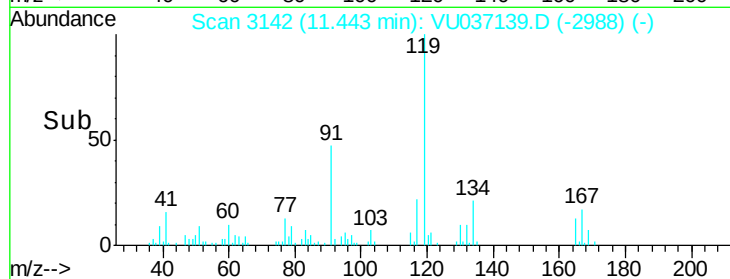
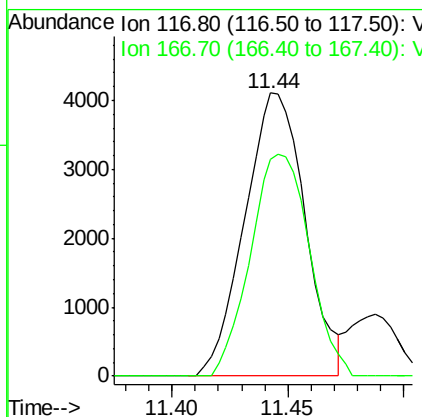
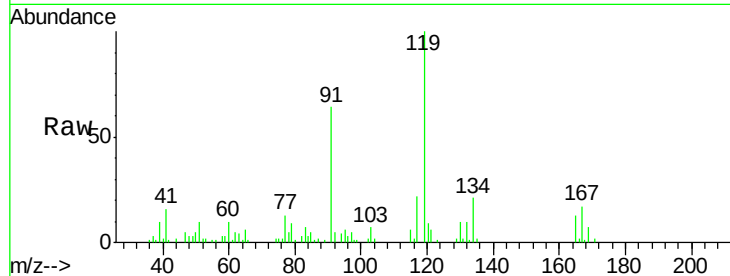


#61
 Pentachloroethane
 Concen: 2.117 ug/l
 RT: 11.44 min Scan# 3142
 Delta R.T. -0.00 min
 Lab File: VU037139.D
 Acq: 09 Mar 2020 18:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0309WBS01

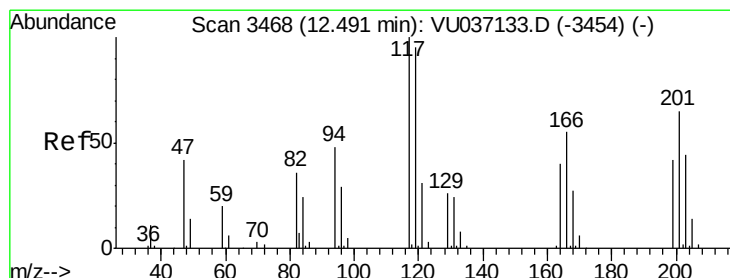
Tot Ion:117 Resp: 7443
 Ion Ratio Lower Upper
 117 100
 167 76.4 66.7 100.1

Manual Integrations
 APPROVED



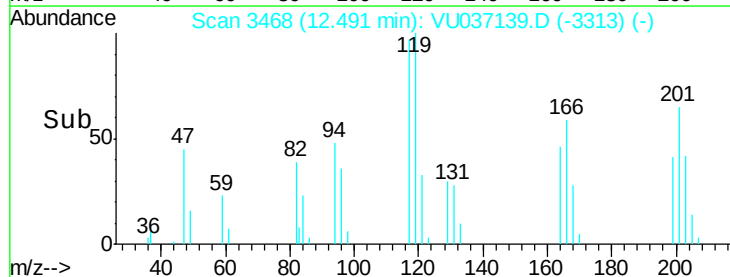
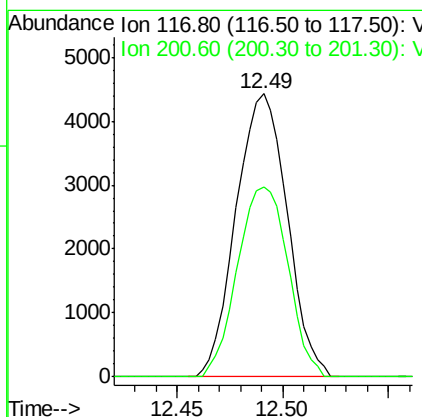
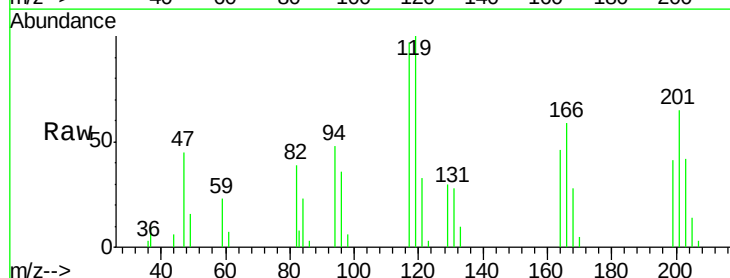
sam

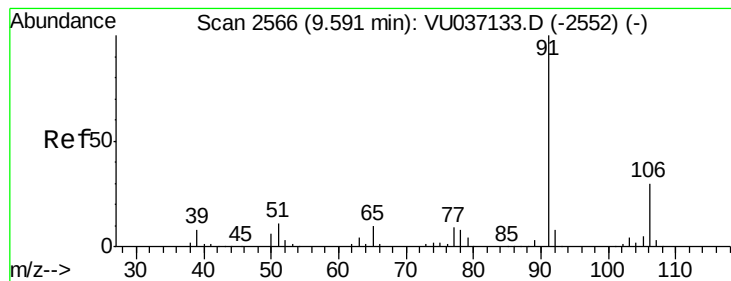
3/10/2020 3:06:43 PM



#62
 Hexachloroethane
 Concen: 1.980 ug/l
 RT: 12.49 min Scan# 3468
 Delta R.T. -0.00 min
 Lab File: VU037139.D
 Acq: 09 Mar 2020 18:30

Tgt Ion:117 Resp: 7453
 Ion Ratio Lower Upper
 117 100
 201 66.4 65.0 97.4





#63

Ethyl Benzene

Concen: 1.887 ug/l

RT: 9.59 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VU037139.D

Acq: 09 Mar 2020 18:30

Instrument :

MSVOA_U

ClientSampleId :

VU0309WBS01

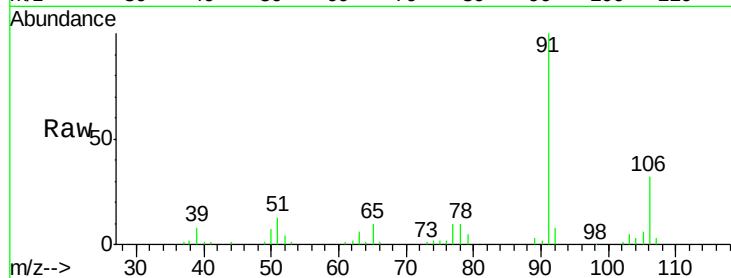
Tot Ion: 91 Resp: 40550

Ion Ratio Lower Upper

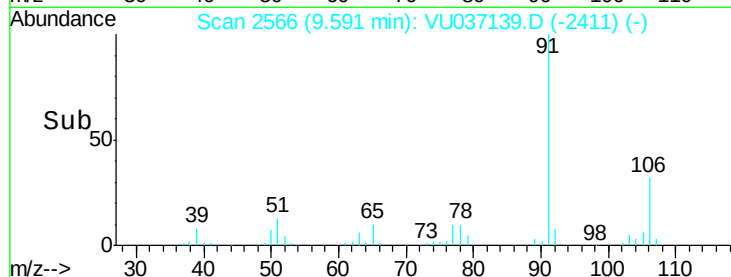
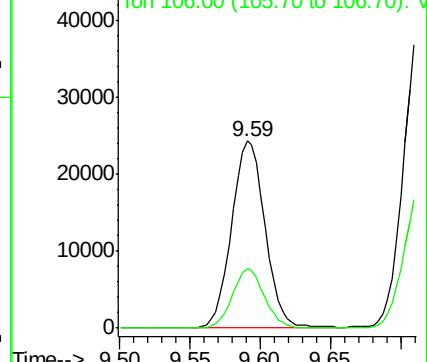
91 100

106 32.0 26.0 39.0

Manual Integrations
APPROVED

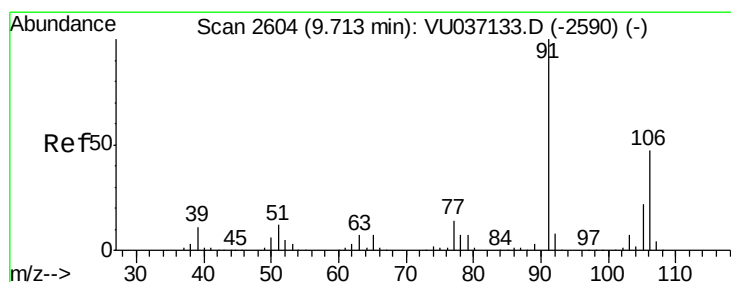


Abundance Ion 91.00 (90.70 to 91.70): VU037133.D (-2552) (-)



sam

3/10/2020 3:06:43 PM



#64

m/p-Xylenes

Concen: 3.964 ug/l

RT: 9.72 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VU037139.D

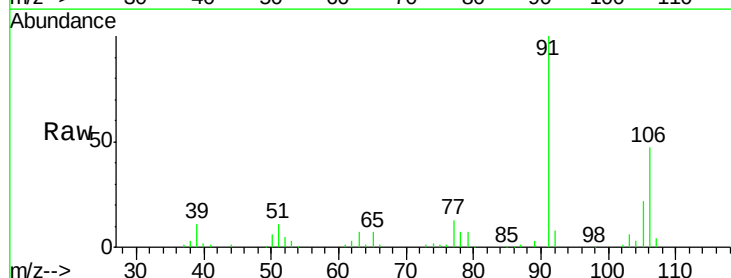
Acq: 09 Mar 2020 18:30

Tgt Ion: 106 Resp: 32253

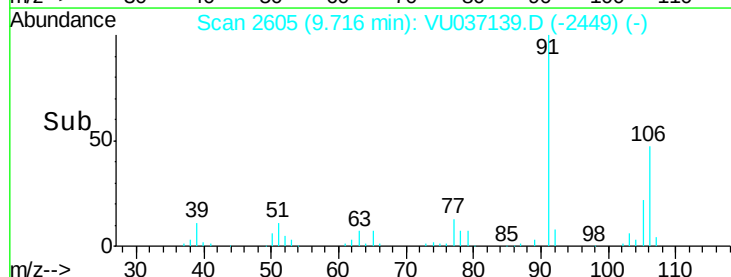
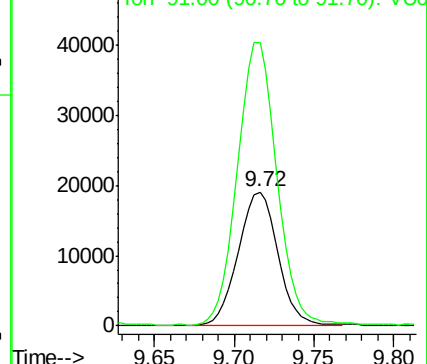
Ion Ratio Lower Upper

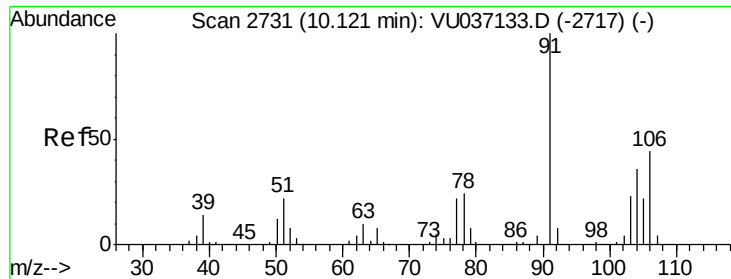
106 100

91 209.2 158.2 237.4



Abundance Ion 106.00 (105.70 to 106.70): VU037133.D (-2590) (-)



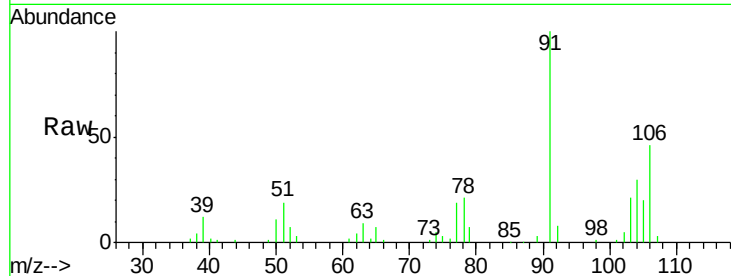


#65
o-Xylene
Concen: 2.094 ug/l
RT: 10.12 min Scan# 2731
Delta R.T. -0.00 min
Lab File: VU037139.D
Acq: 09 Mar 2020 18:30

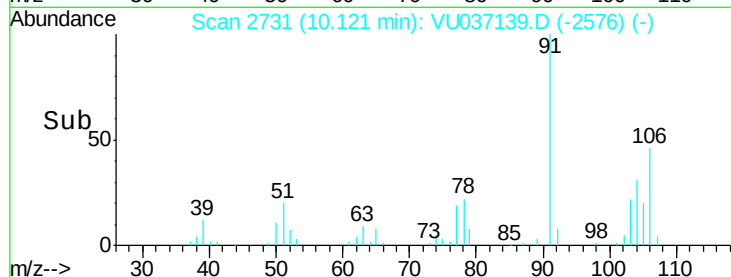
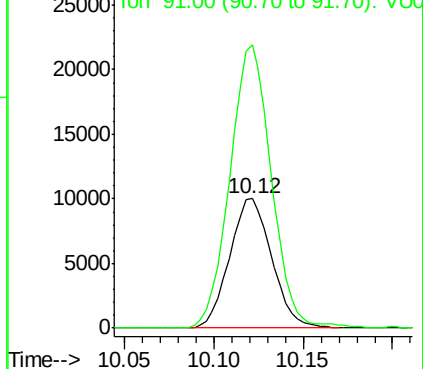
Instrument :
MSVOA_U
ClientSampleId :
VU0309WBS01

Tot Ion:106 Resp: 16443
Ion Ratio Lower Upper
106 100
91 215.9 104.3 312.9

Manual Integrations
APPROVED

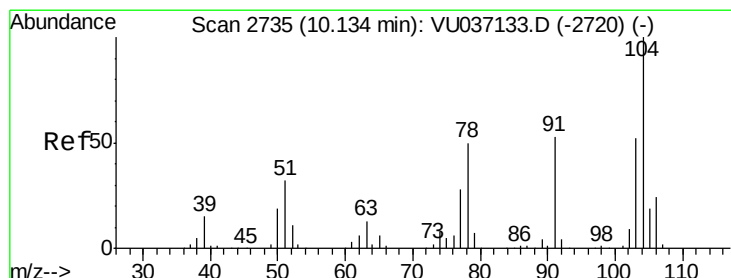


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0



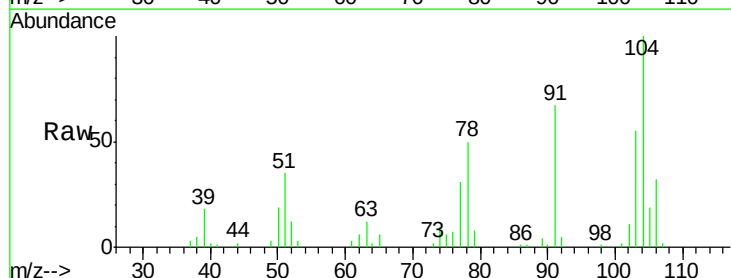
sam

3/10/2020 3:06:43 PM

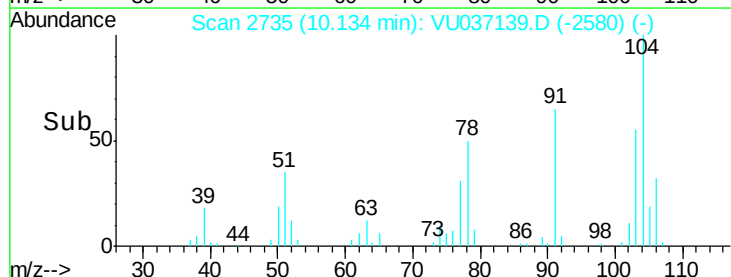
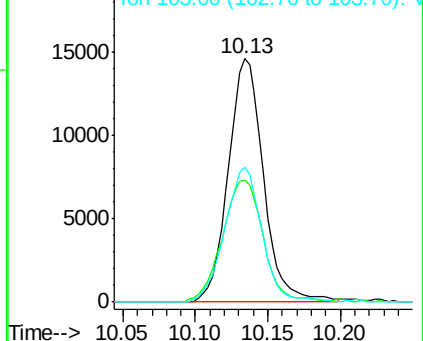


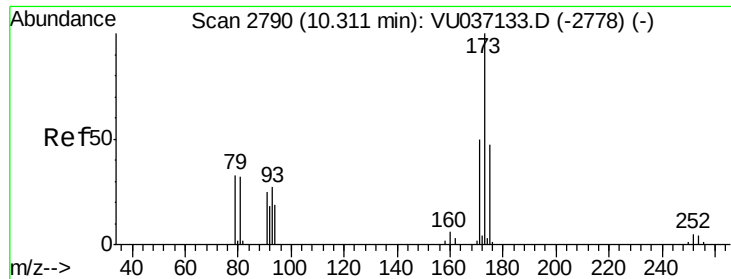
#66
Styrene
Concen: 1.923 ug/l
RT: 10.13 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VU037139.D
Acq: 09 Mar 2020 18:30

Tgt Ion:104 Resp: 24706
Ion Ratio Lower Upper
104 100
78 57.8 38.6 57.8
103 58.2 44.4 66.6



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



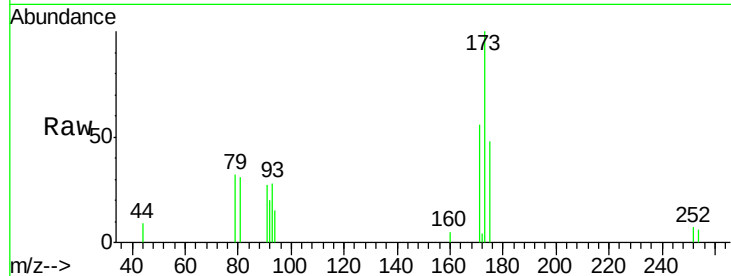


#67
Bromoform
Concen: 1.981 ug/l
RT: 10.31 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VU037139.D
Acq: 09 Mar 2020 18:30

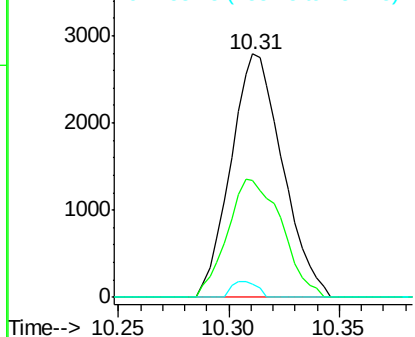
Instrument :
MSVOA_U
ClientSampleId :
VU0309WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.1	38.3	57.5
254	3.3	6.6	9.8

Manual Integrations
APPROVED

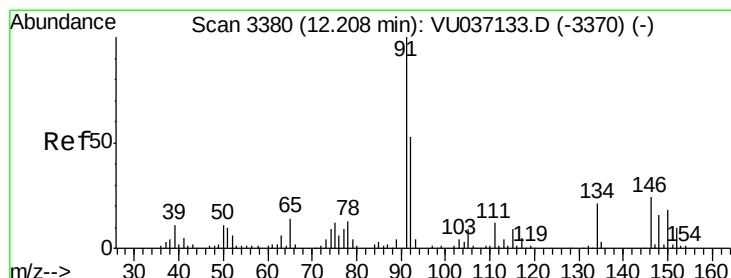


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



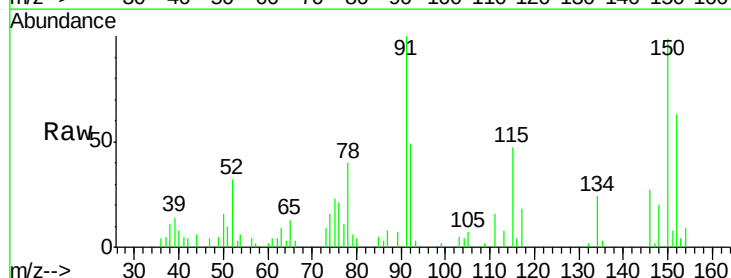
sam

3/10/2020 3:06:43 PM

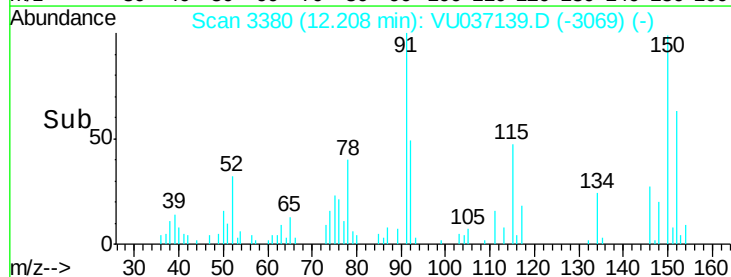
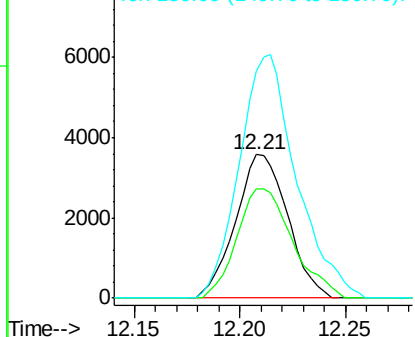


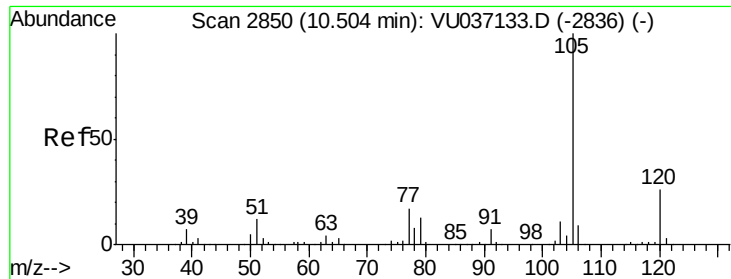
#68
1,2-Dichlorobenzene-d4
Concen: 1.005 ug/l
RT: 12.21 min Scan# 3380
Delta R.T. -0.00 min
Lab File: VU037139.D
Acq: 09 Mar 2020 18:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	81.5	0.0	241.8
150	186.6	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: 1.964 ug/l

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU037139.D

Acq: 09 Mar 2020 18:30

Instrument :

MSVOA_U

ClientSampleId :

VU0309WBS01

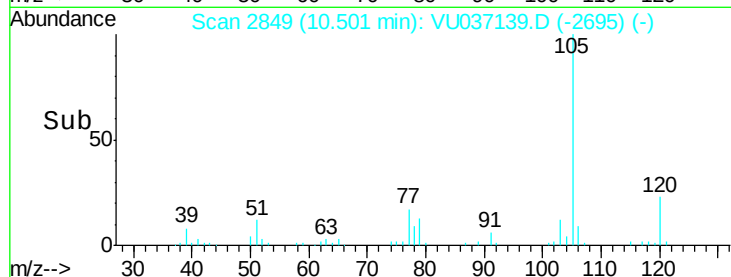
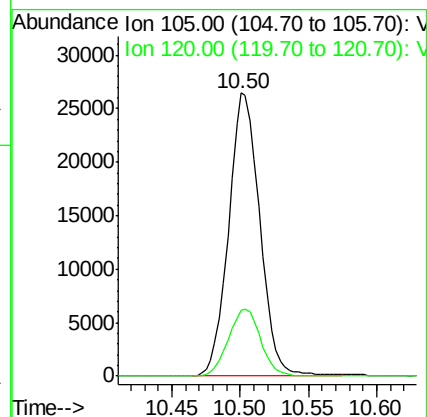
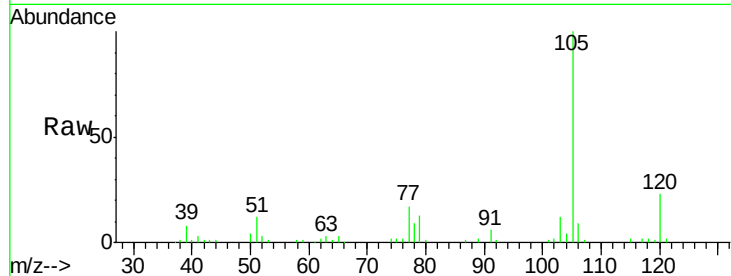
Tot Ion:105 Resp: 42029

Ion Ratio Lower Upper

105 100

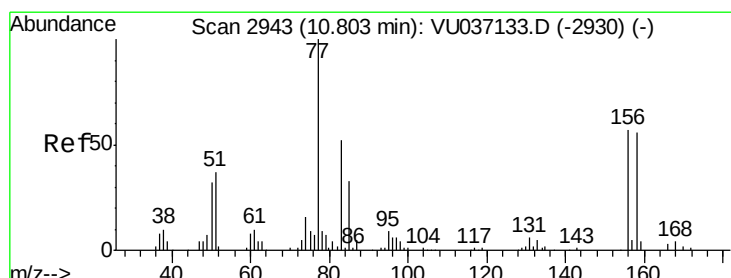
120 24.4 13.6 40.7

Manual Integrations
APPROVED



sam

3/10/2020 3:06:43 PM



#70

1,1,2,2-Tetrachloroethane

Concen: 2.066 ug/l

RT: 10.80 min Scan# 2943

Delta R.T. -0.00 min

Lab File: VU037139.D

Acq: 09 Mar 2020 18:30

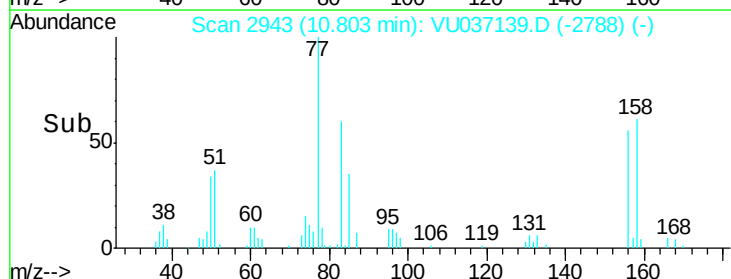
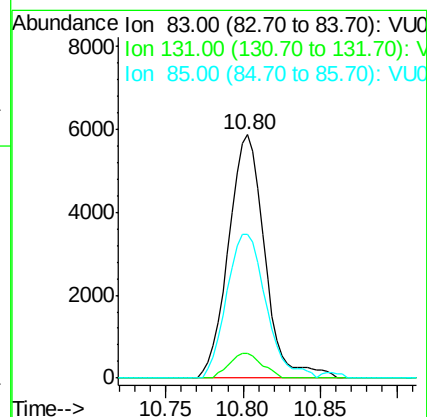
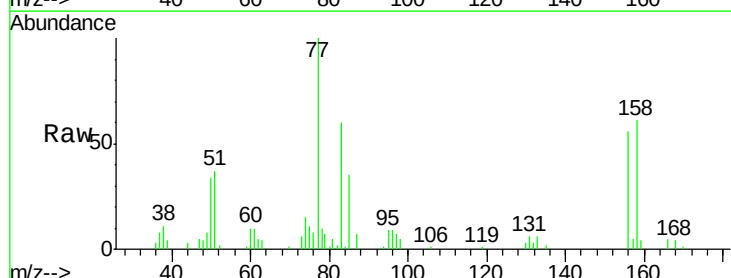
Tgt Ion: 83 Resp: 9528

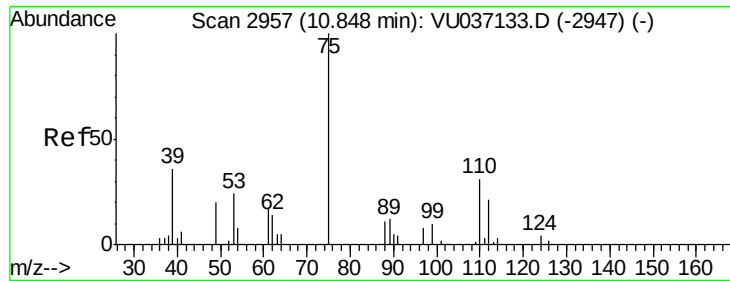
Ion Ratio Lower Upper

83 100

131 9.1 7.8 11.8

85 63.9 53.2 79.8



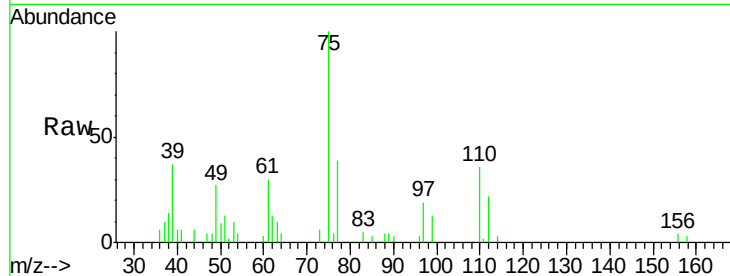


#71
 1,2,3-Trichloropropane
 Concen: 1.608 ug/l m
 RT: 10.84 min Scan# 2956
 Delta R.T. -0.00 min
 Lab File: VU037139.D
 Acq: 09 Mar 2020 18:30

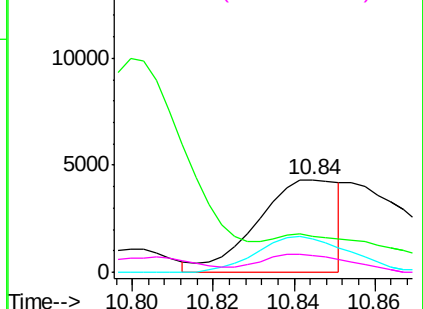
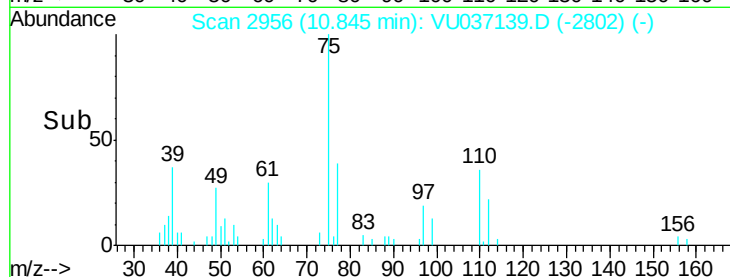
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0309WBS01

Tot Ion:	75	Resp:	6063
Ion	Ratio	Lower	Upper
75	100		
77	65.1	0.0	129.6
110	43.8	0.0	77.4
97	21.4	0.0	42.0

Manual Integrations
 APPROVED

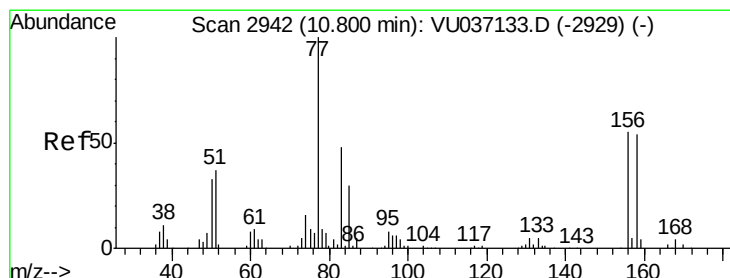


Abundance Ion 75.00 (74.70 to 75.70): VU037139.D (-2947) (-)
 Ion 77.00 (76.70 to 77.70): VU037139.D (-2947) (-)
 Ion 110.00 (109.70 to 110.70): VU037139.D (-2947) (-)
 Ion 97.00 (96.70 to 97.70): VU037139.D (-2947) (-)



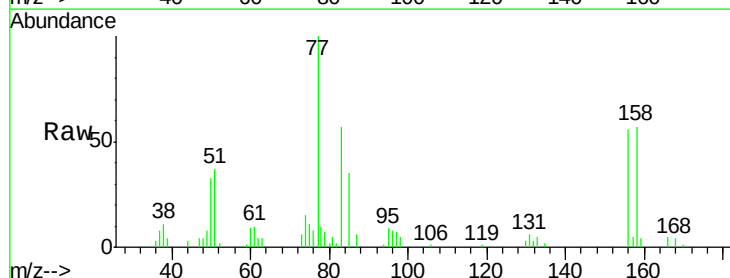
sam

3/10/2020 3:06:43 PM

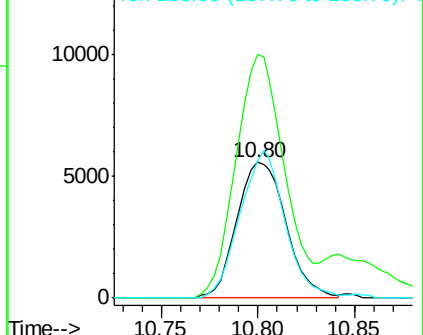
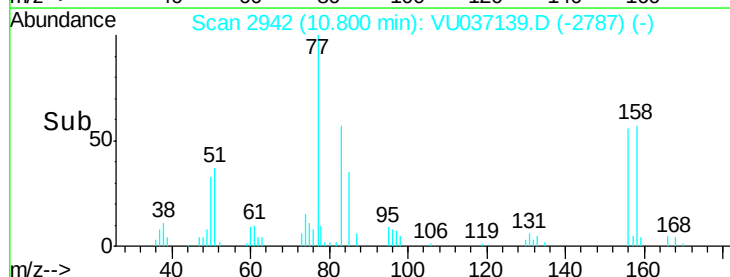


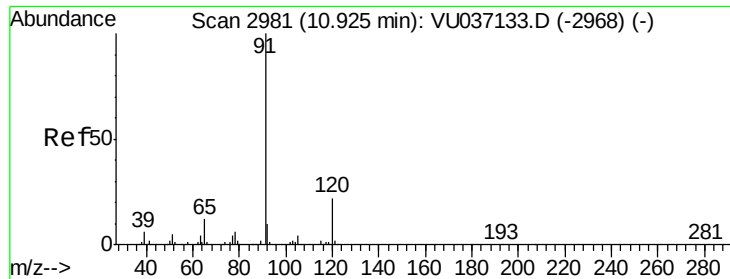
#72
 Bromobenzene
 Concen: 1.897 ug/l
 RT: 10.80 min Scan# 2942
 Delta R.T. -0.00 min
 Lab File: VU037139.D
 Acq: 09 Mar 2020 18:30

Tgt Ion:	156	Resp:	9824
Ion	Ratio	Lower	Upper
156	100		
77	179.5	0.0	306.6
158	99.9	0.0	192.0



Abundance Ion 156.00 (155.70 to 156.70): VU037139.D (-2929) (-)
 Ion 77.00 (76.70 to 77.70): VU037139.D (-2929) (-)
 Ion 158.00 (157.70 to 158.70): VU037139.D (-2929) (-)





#73

n-propylbenzene

Concen: 1.865 ug/l

RT: 10.92 min Scan# 2981

Delta R.T. -0.00 min

Lab File: VU037139.D

Acq: 09 Mar 2020 18:30

Instrument :

MSVOA_U

ClientSampleId :

VU0309WBS01

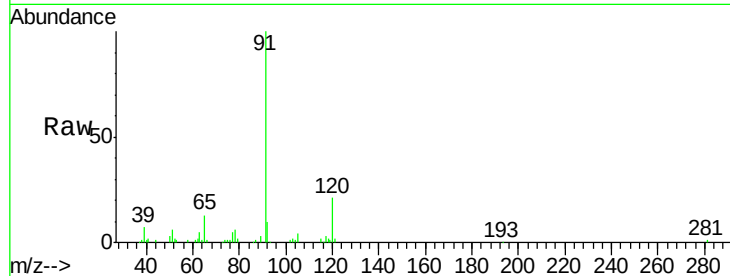
Tot Ion:120 Resp: 10582

Ion Ratio Lower Upper

120 100

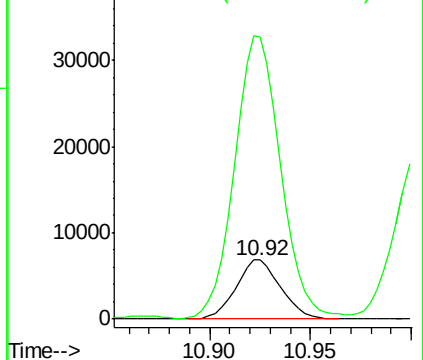
91 492.0 329.5 494.3

Manual Integrations
APPROVED



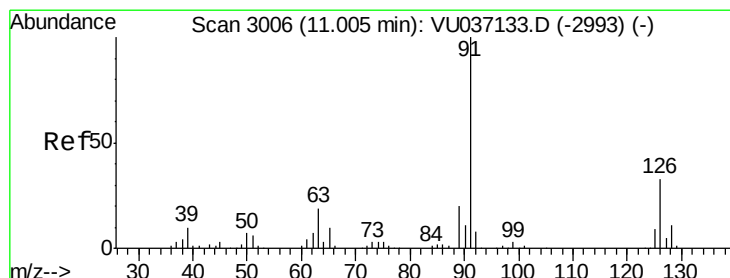
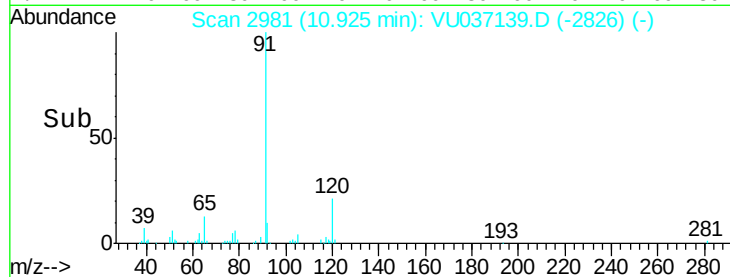
Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



sam

3/10/2020 3:06:43 PM



#74

2-Chlorotoluene

Concen: 2.011 ug/l

RT: 11.00 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU037139.D

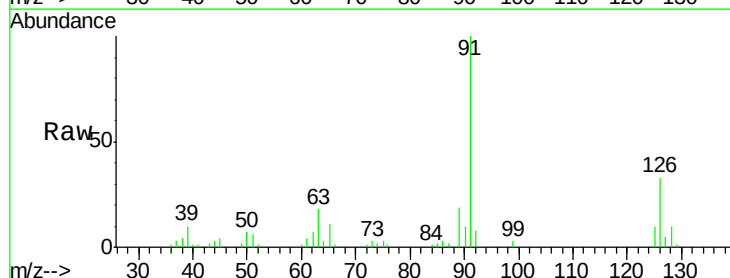
Acq: 09 Mar 2020 18:30

Tgt Ion:126 Resp: 10325

Ion Ratio Lower Upper

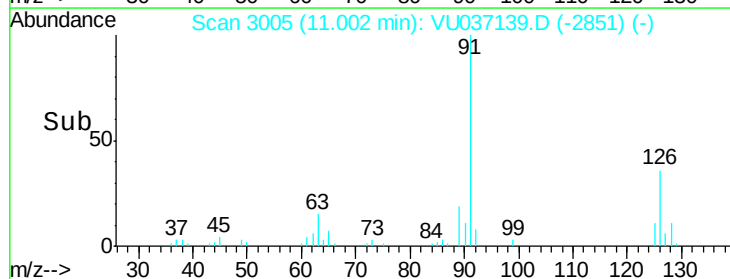
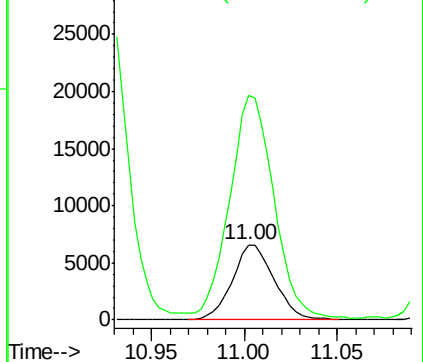
126 100

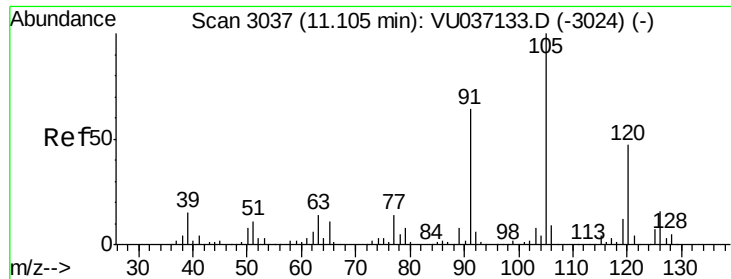
91 311.7 0.0 567.4



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: 2.002 ug/l

RT: 11.11 min Scan# 3037

Delta R.T. -0.00 min

Lab File: VU037139.D

Acq: 09 Mar 2020 18:30

Instrument :

MSVOA_U

ClientSampleId :

VU0309WBS01

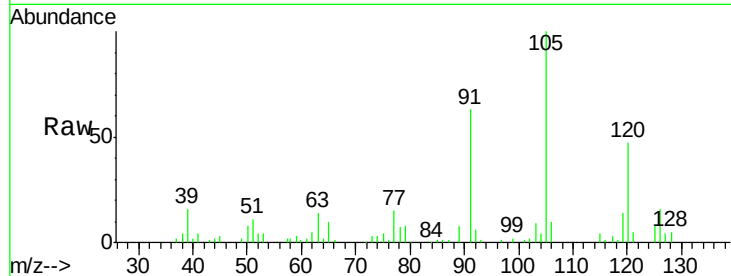
Tot Ion:105 Resp: 37093

Ion Ratio Lower Upper

105 100

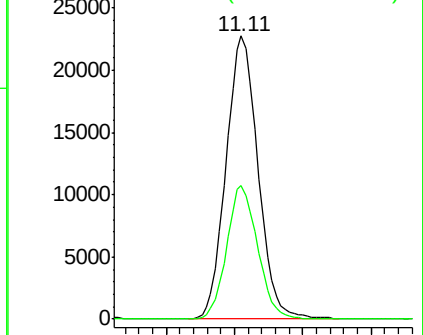
120 45.3 39.8 59.8

Manual Integrations
APPROVED



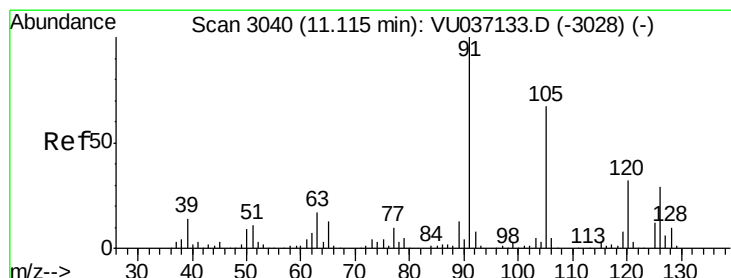
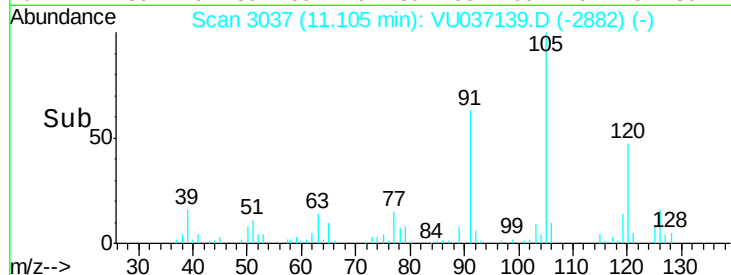
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



sam

3/10/2020 3:06:43 PM



#76

4-Chlorotoluene

Concen: 2.046 ug/l

RT: 11.12 min Scan# 3041

Delta R.T. 0.00 min

Lab File: VU037139.D

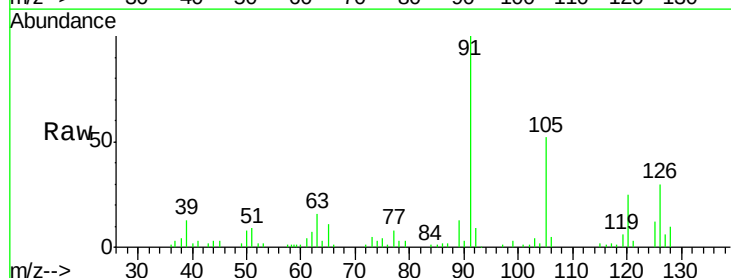
Acq: 09 Mar 2020 18:30

Tgt Ion:126 Resp: 10574

Ion Ratio Lower Upper

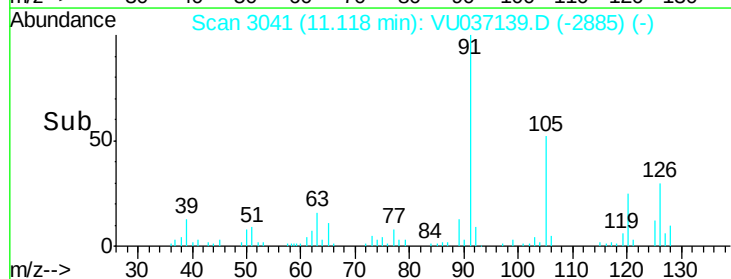
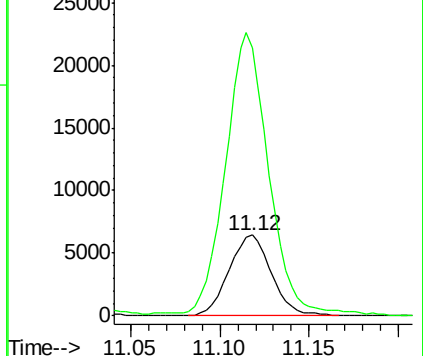
126 100

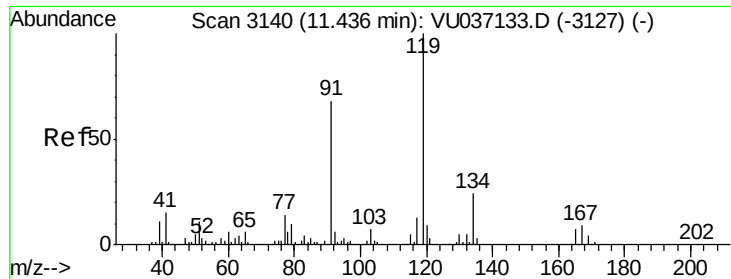
91 361.3 0.0 633.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77

tert-Butylbenzene

Concen: 1.972 ug/l

RT: 11.44 min Scan# 3140

Delta R.T. -0.00 min

Lab File: VU037139.D

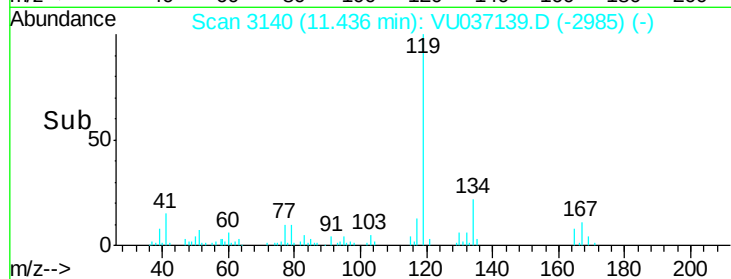
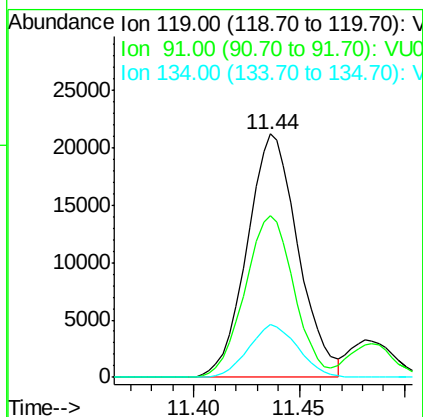
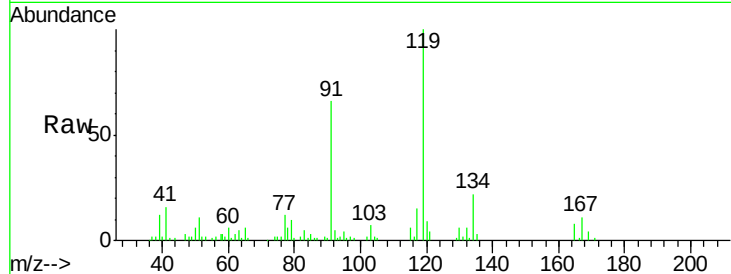
Acq: 09 Mar 2020 18:30

Instrument :
MSVOA_U

ClientSampled :
VU0309WBS01

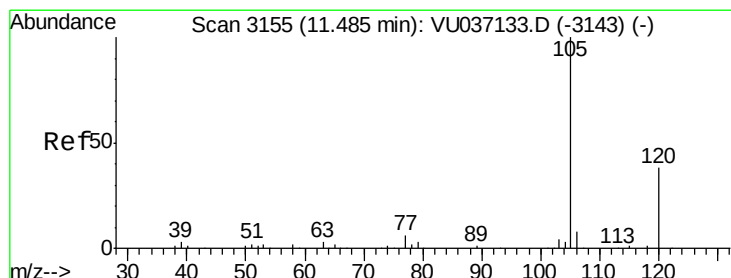
Tot Ion	Ratio	Lower	Upper
119	100		
91	63.9	29.3	87.8
134	20.9	19.0	28.4

Manual Integrations
APPROVED



sam

3/10/2020 3:06:43 PM



#78

1,2,4-Trimethylbenzene

Concen: 1.952 ug/l

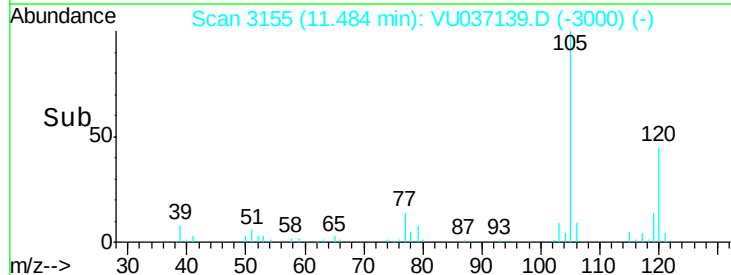
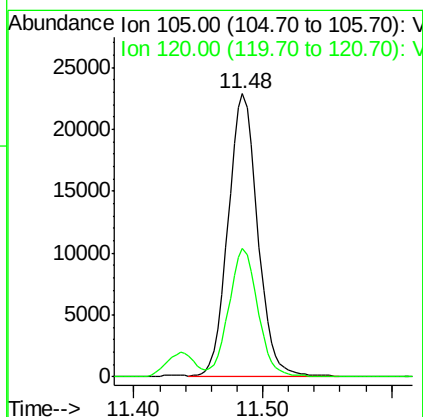
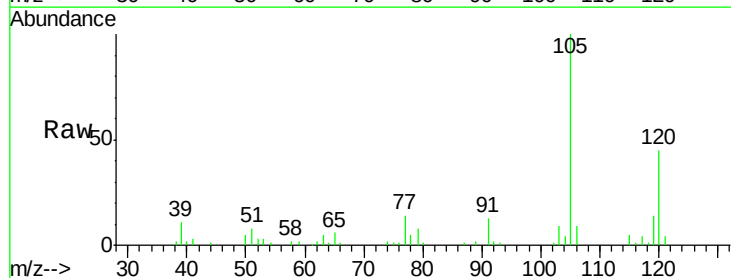
RT: 11.48 min Scan# 3155

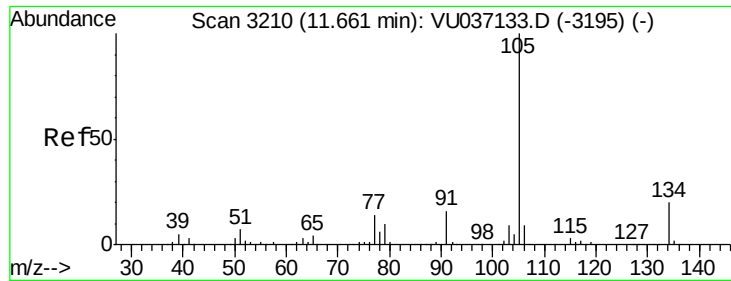
Delta R.T. -0.00 min

Lab File: VU037139.D

Acq: 09 Mar 2020 18:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	23.3	69.8





#79

sec-Butylbenzene

Concen: 1.980 ug/l

RT: 11.66 min Scan# 3210

Delta R.T. -0.00 min

Lab File: VU037139.D

Acq: 09 Mar 2020 18:30

Instrument :

MSVOA_U

ClientSampled :

VU0309WBS01

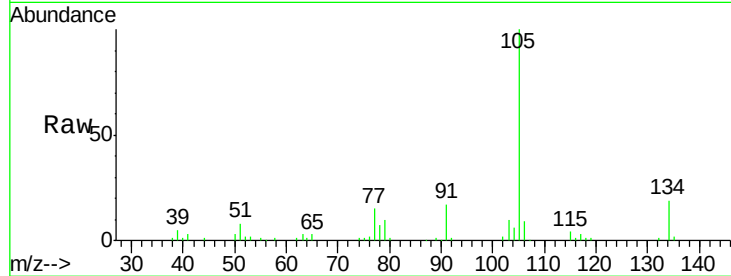
Tot Ion:105 Resp: 48658

Ion Ratio Lower Upper

105 100

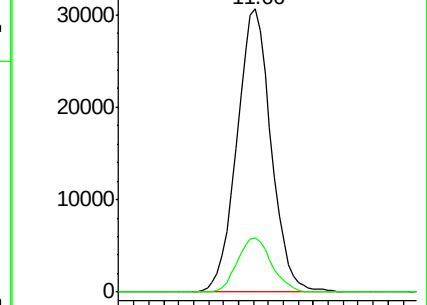
134 19.2 16.0 24.0

Manual Integrations
APPROVED

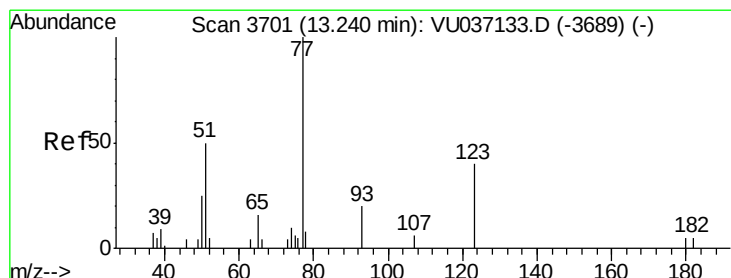
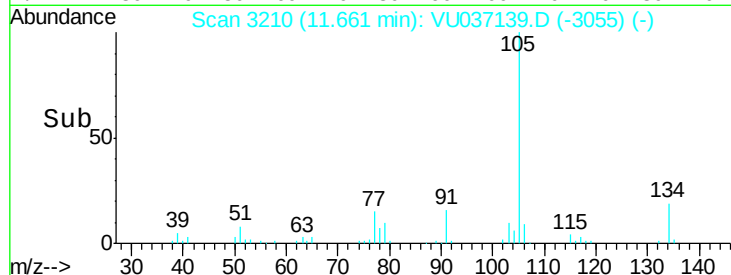


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



sam



#80

Nitrobenzene

Concen: 5.676 ug/l

RT: 13.25 min Scan# 3704

Delta R.T. 0.01 min

Lab File: VU037139.D

Acq: 09 Mar 2020 18:30

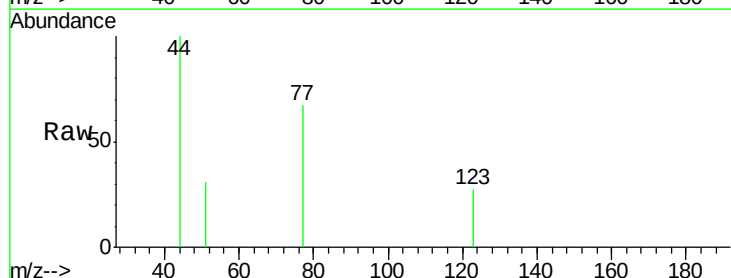
Tgt Ion: 77 Resp: 573

Ion Ratio Lower Upper

77 100

123 44.0 19.6 69.6

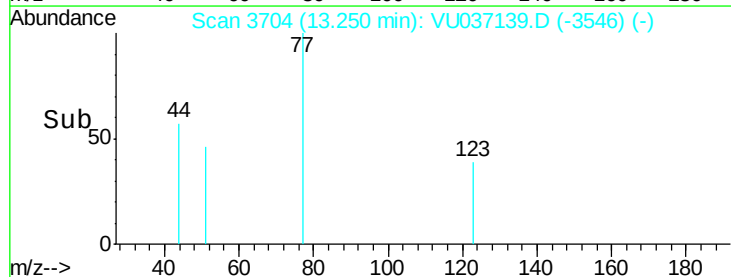
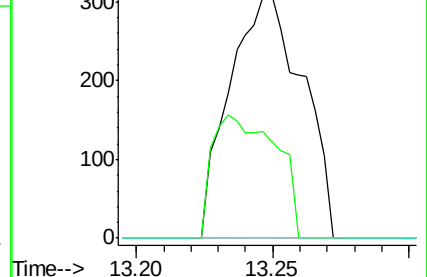
65 0.0 12.7 16.1#

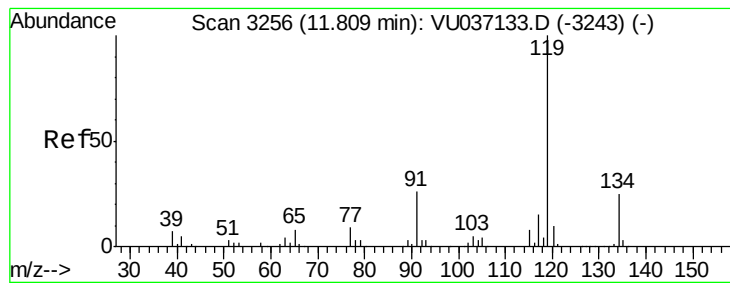


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





#81

p-Isopropyltoluene

Concen: 1.980 ug/l

RT: 11.81 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VU037139.D

Acq: 09 Mar 2020 18:30

Instrument :

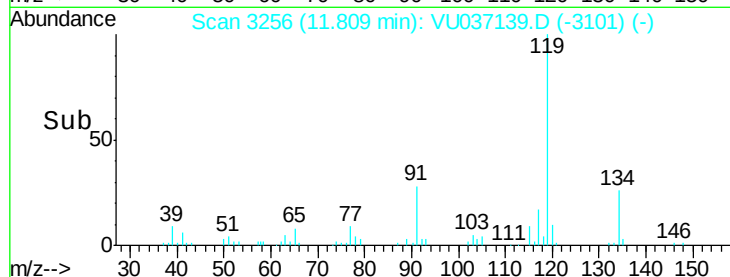
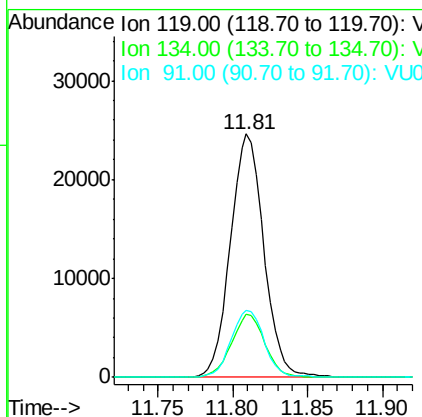
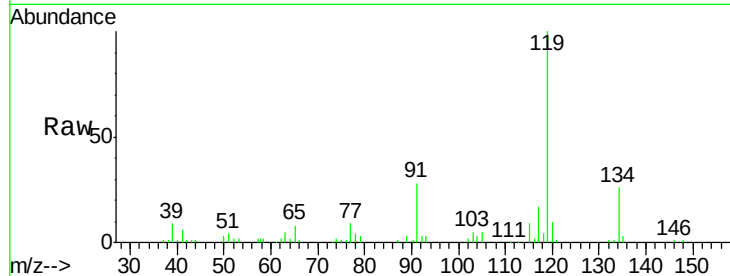
MSVOA_U

ClientSampleId :

VU0309WBS01

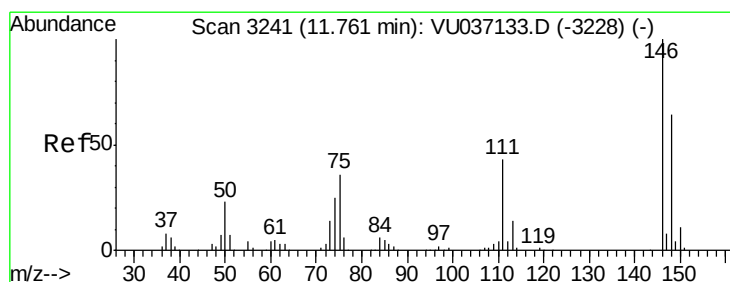
Tot Ion:	119	Resp:	38346
Ion Ratio	Lower	Upper	
119	100		
134	25.8	21.4	32.0
91	27.2	18.3	27.5

Manual Integrations
APPROVED



sam

3/10/2020 3:06:43 PM



#82

1,3-Dichlorobenzene

Concen: 2.070 ug/l

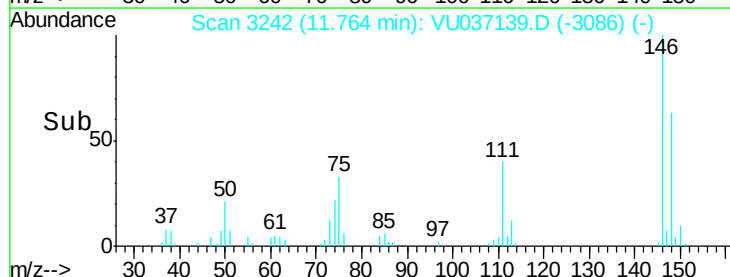
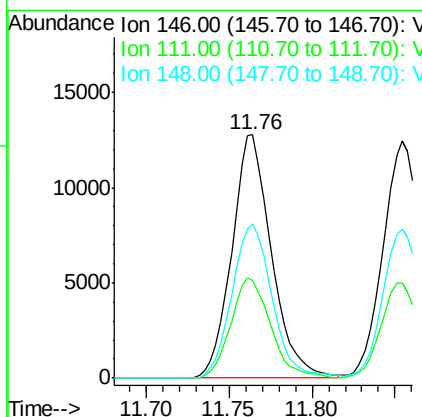
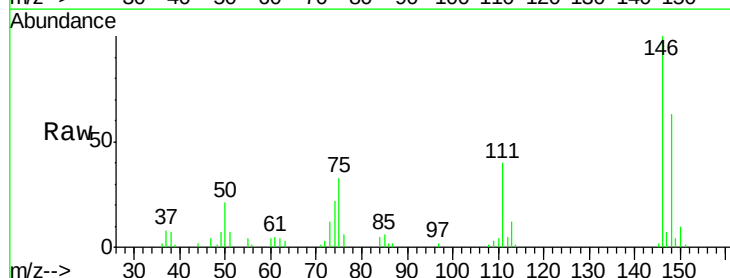
RT: 11.76 min Scan# 3242

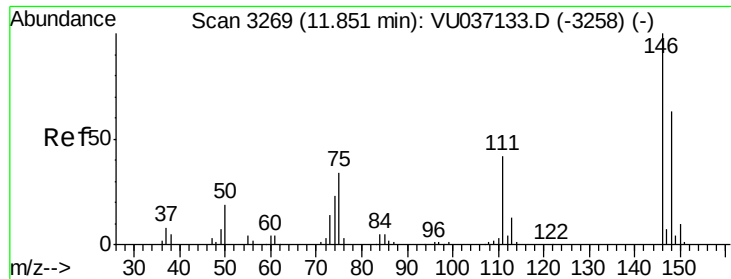
Delta R.T. 0.00 min

Lab File: VU037139.D

Acq: 09 Mar 2020 18:30

Tgt Ion:	146	Resp:	21242
Ion Ratio	Lower	Upper	
146	100		
111	41.2	32.2	48.2
148	64.1	51.4	77.2



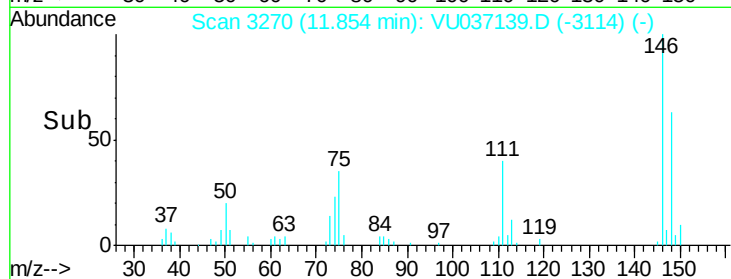
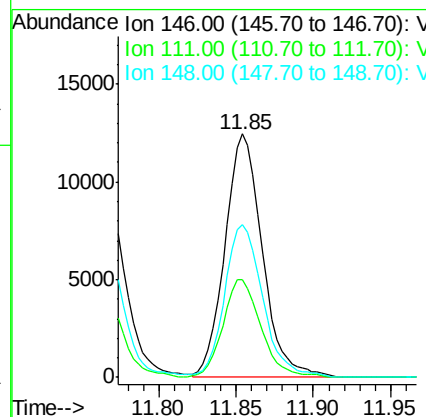
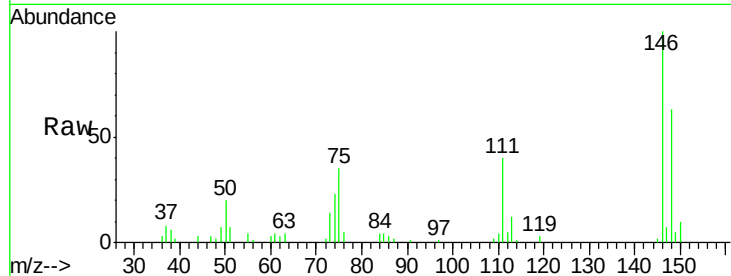


#83
 1,4-Dichlorobenzene
 Concen: 2.013 ug/l
 RT: 11.85 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU037139.D
 Acq: 09 Mar 2020 18:30

Instrument :
 MSVOA_U
 ClientSampled :
 VU0309WBS01

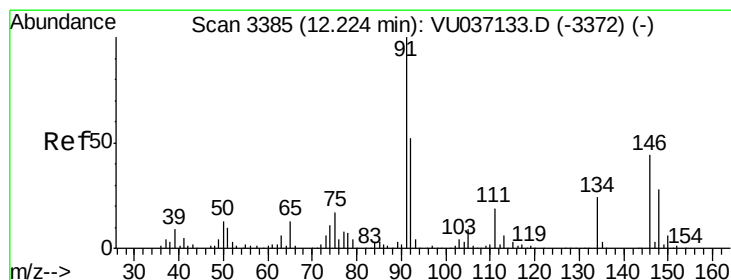
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	30.5	45.7
148	64.0	51.0	76.4

Manual Integrations
 APPROVED



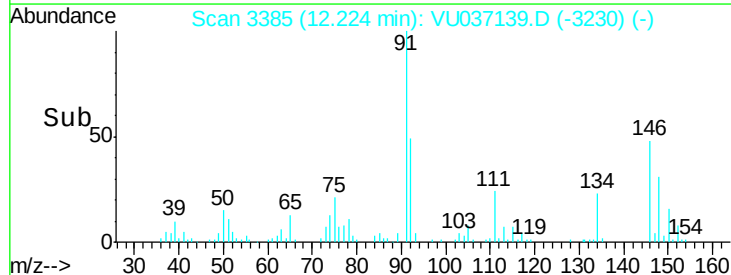
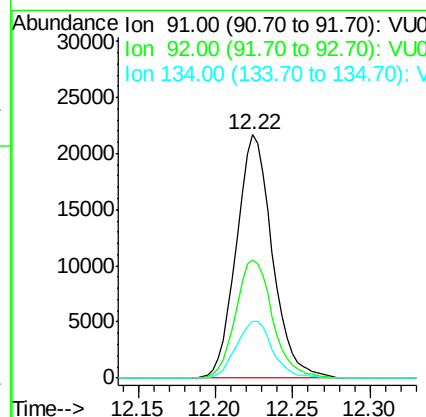
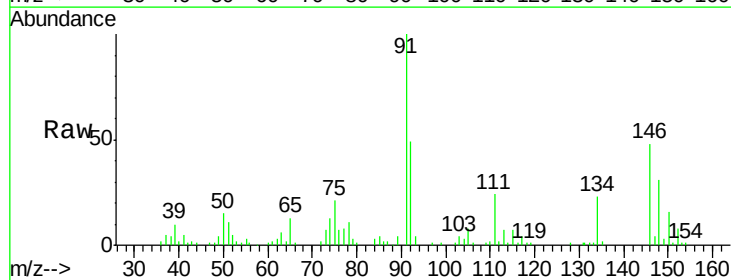
sam

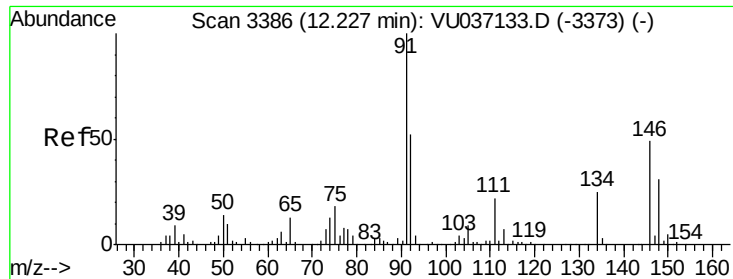
3/10/2020 3:06:43 PM



#84
 n-Butylbenzene
 Concen: 1.901 ug/l
 RT: 12.22 min Scan# 3385
 Delta R.T. -0.00 min
 Lab File: VU037139.D
 Acq: 09 Mar 2020 18:30

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.0	42.9	64.3
134	23.5	21.4	32.0



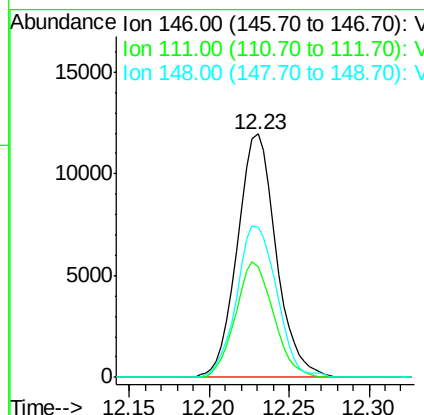
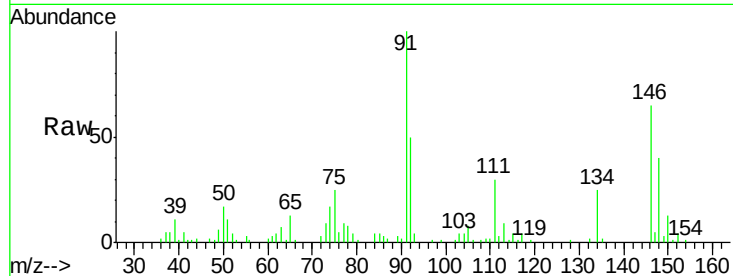


#85
 1,2-Dichlorobenzene
 Concen: 1.990 ug/l
 RT: 12.23 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU037139.D
 Acq: 09 Mar 2020 18:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0309WBS01

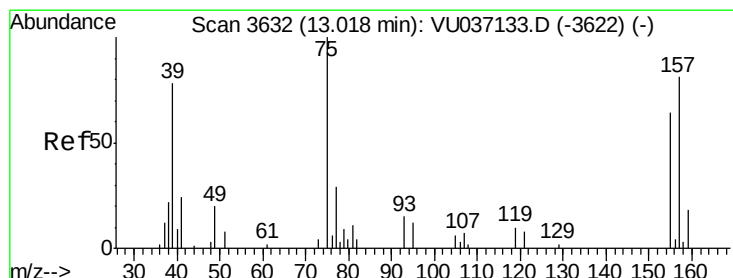
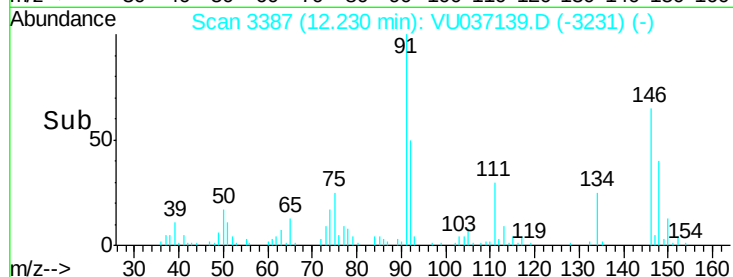
Tot Ion	Ratio	Lower	Upper
146	100		
111	46.3	20.8	62.4
148	64.3	32.0	96.2

Manual Integrations
 APPROVED



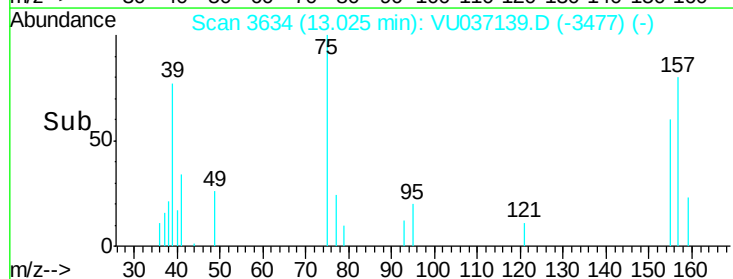
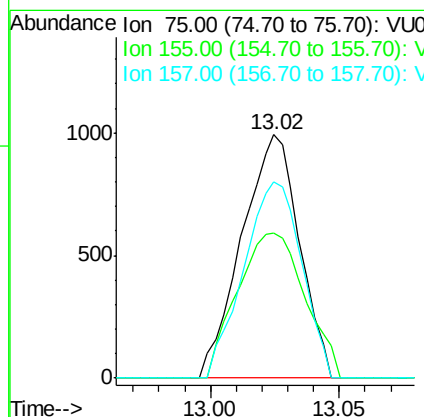
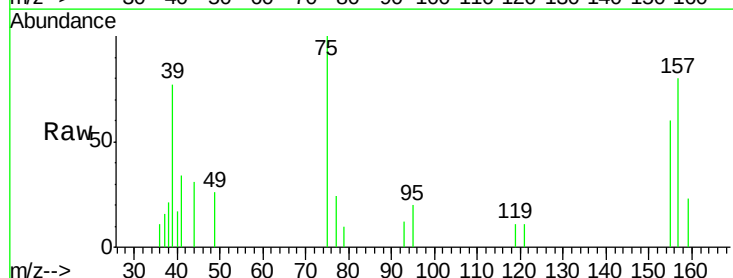
sam

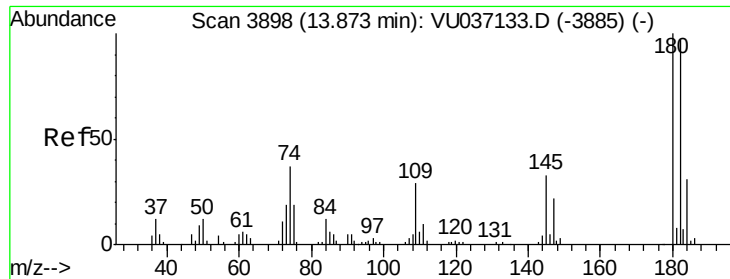
3/10/2020 3:06:43 PM



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 1.893 ug/l
 RT: 13.02 min Scan# 3634
 Delta R.T. 0.01 min
 Lab File: VU037139.D
 Acq: 09 Mar 2020 18:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.0	71.8	107.8#
157	81.2	92.4	138.6#



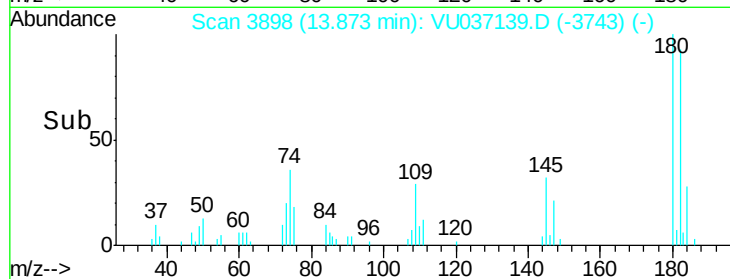
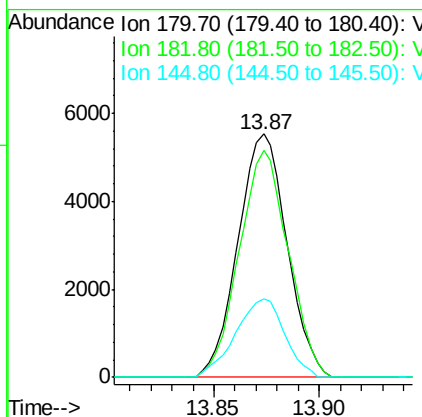
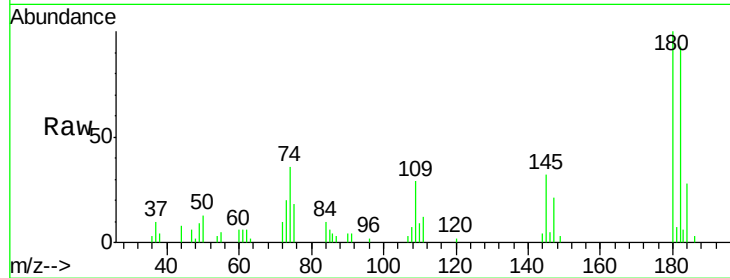


#87
 1,2,4-Trichlorobenzene
 Concen: 1.788 ug/l
 RT: 13.87 min Scan# 3898
 Delta R.T. -0.00 min
 Lab File: VU037139.D
 Acq: 09 Mar 2020 18:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0309WBS01

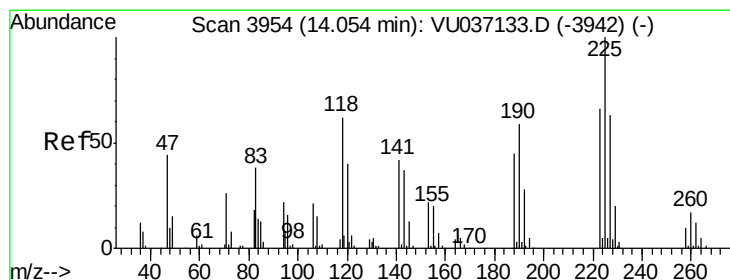
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.0	75.9	113.9
145	32.4	23.4	35.2

Manual Integrations
 APPROVED



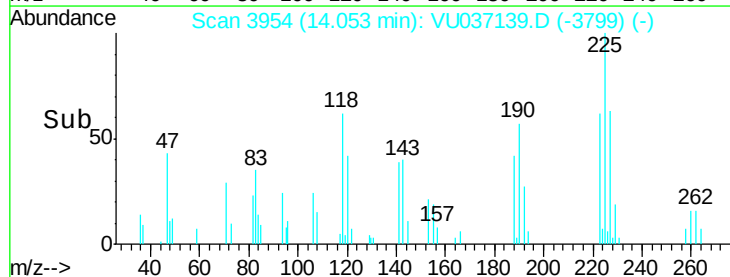
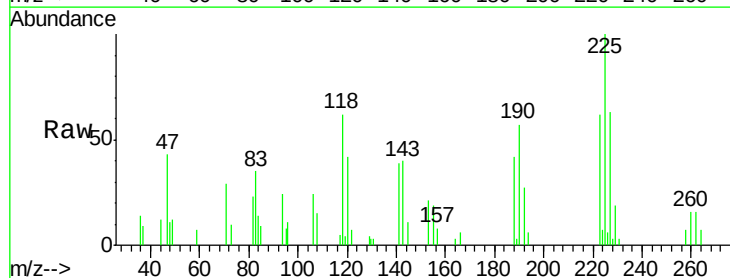
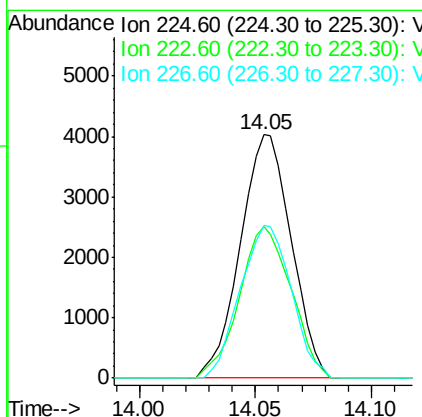
sam

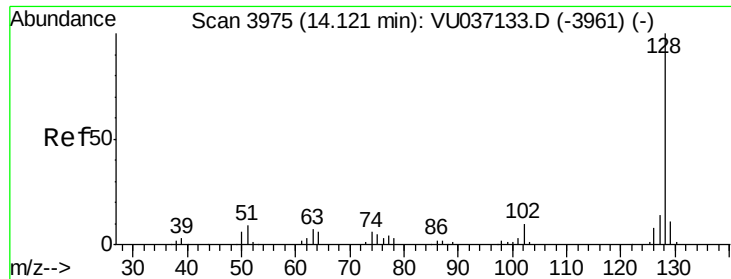
3/10/2020 3:06:43 PM



#88
 Hexachlorobutadiene
 Concen: 1.991 ug/l
 RT: 14.05 min Scan# 3954
 Delta R.T. -0.00 min
 Lab File: VU037139.D
 Acq: 09 Mar 2020 18:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	51.7	77.5
227	62.8	50.6	75.8



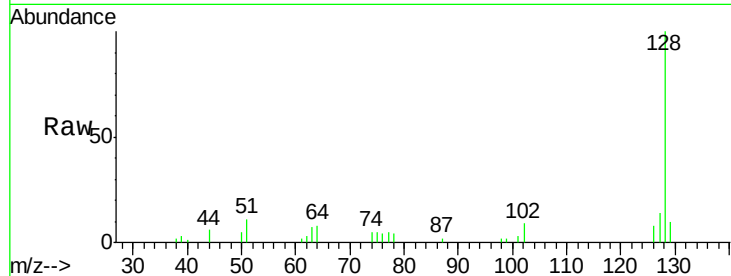


#89
Naphthalene
Concen: 1.554 ug/l
RT: 14.12 min Scan# 3975
Delta R.T. -0.00 min
Lab File: VU037139.D
Acq: 09 Mar 2020 18:30

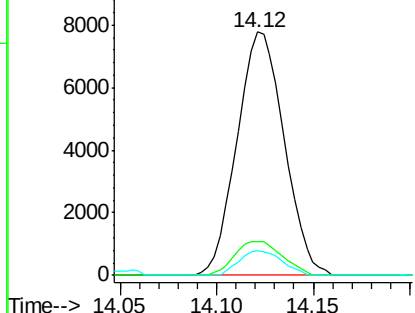
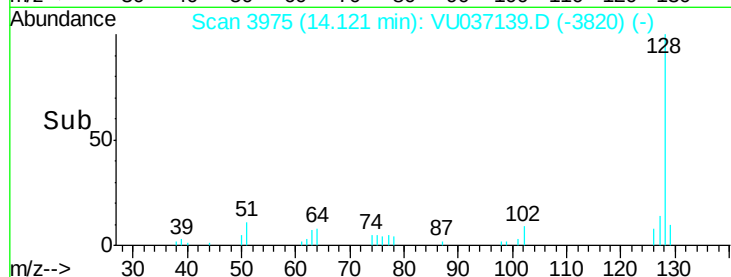
Instrument :
MSVOA_U
ClientSampleId :
VU0309WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.3	10.5	15.7
129	9.1	8.7	13.1

Manual Integrations
APPROVED

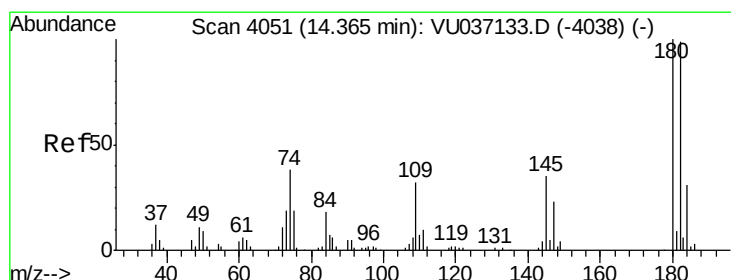


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



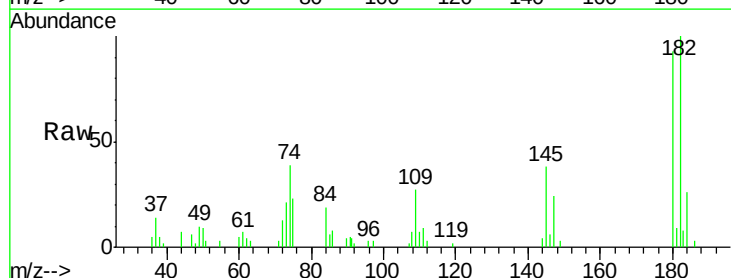
sam

3/10/2020 3:06:43 PM



#90
1,2,3-Trichlorobenzene
Concen: 1.722 ug/l
RT: 14.37 min Scan# 4051
Delta R.T. -0.00 min
Lab File: VU037139.D
Acq: 09 Mar 2020 18:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	104.2	76.2	114.4
145	38.8	25.2	37.8#



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

