

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030920\
 Data File : VU037140.D
 Acq On : 09 Mar 2020 18:58
 Operator : JC/MD
 Sample : VU0309WBSD01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0309WBSD01

Manual Integrations
 APPROVED

Quant Time: Mar 09 19:33:49 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	16092	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.65	95	5804	0.93	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.00%	
68) 1,2-Dichlorobenzene-d4	12.21	152	6472	1.02	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.00%	

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Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	15017	1.912	ug/l 98
3) Chloromethane	1.54	50	15162	1.941	ug/l 96
4) Vinyl Chloride	1.62	62	13324	1.941	ug/l 97
5) Bromomethane	1.87	94	4884	2.040	ug/l 97
6) Chloroethane	1.95	64	6332	1.925	ug/l 95
7) Trichlorofluoromethane	2.16	101	15390	1.845	ug/l 99
8) 1,1,2-Trichloro-1,2,2-trif	2.60	101	7226	1.846	ug/l 94
9) 1,1-Dichloroethene	2.60	96	7493	2.014	ug/l 87
10) Iodomethane	2.75	142	1824	1.128	ug/l 90
11) Allyl Chloride	2.95	41	13504	1.872	ug/l # 61
12) Acrylonitrile	3.36	53	3266	3.711	ug/l # 88
13) Acetone	2.66	43	8993	9.192	ug/l # 80
14) Carbon Disulfide	2.82	76	22534	1.818	ug/l 95
15) Methylene Chloride	3.08	84	10045	2.150	ug/l # 79
16) trans-1,2-Dichloroethene	3.38	96	7165	1.813	ug/l 90
17) 1,1-Dichloroethane	3.91	63	17548	1.915	ug/l 97
18) 2-Butanone	4.77	43	12512	8.367	ug/l 99
19) Cyclohexane	5.42	56	13735m	1.760	ug/l
20) Methylcyclohexane	6.79	83	13172	1.709	ug/l # 87
21) 2,2-Dichloropropane	4.71	77	14970	1.791	ug/l 93
22) cis-1,2-Dichloroethene	4.71	96	8932	1.825	ug/l 81
23) Diethyl Ether	2.40	59	5885	1.867	ug/l 89
24) tert-Butyl Alcohol	3.24	59	9027	26.191	ug/l # 91
25) Methyl tert-Butyl Ether	3.41	73	20473	1.878	ug/l # 67
26) Bromochloromethane	5.02	128	3922	1.820	ug/l 78
27) Chloroform	5.13	83	18091	1.834	ug/l 98
28) 1,1,1-Trichloroethane	5.35	97	16297	1.938	ug/l 95
29) 1,1-Dichloropropene	5.56	75	12222	1.788	ug/l 97
30) Carbon Tetrachloride	5.56	117	13687	1.860	ug/l 96
31) Isopropyl Ether	4.05	45	26589	1.818	ug/l 82
32) Ethyl-t-butyl ether	4.56	59	24411	1.768	ug/l 95
33) Tert-Amyl methyl ether	5.99	73	20690	1.746	ug/l 98
34) Propionitrile	4.84	54	3306	8.406	ug/l # 91
35) Benzene	5.81	78	36258	1.867	ug/l 100
36) 1,2-Dichloroethane	5.84	62	13053	1.855	ug/l # 91
37) Trichloroethene	6.57	130	9078	1.782	ug/l 92
38) 1,2-Dichloropropane	6.83	63	9895	1.857	ug/l 98
39) Methacrylonitrile	5.03	41	3554	1.873	ug/l # 79
40) Methyl acrylate	4.90	55	4693	1.788	ug/l # 90
41) Tetrahydrofuran	5.11	42	3366	3.555	ug/l # 66
42) 1-Chlorobutane	5.50	56	18186	1.847	ug/l 82

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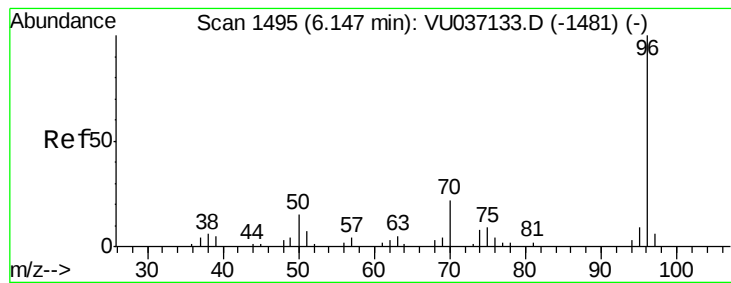
Manual Integrations
 APPROVED

Quant Time: Mar 09 19:33:49 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	5429	1.987	ug/l #	81
44) Bromodichloromethane	7.14	83	13180	1.853	ug/l	96
45) 4-Methyl-2-Pentanone	7.83	43	32231	8.799	ug/l #	85
46) t-1,4-Dichloro-2-butene	10.86	75	3245m	3.237	ug/l	
47) Methyl methacrylate	7.00	69	8160	3.614	ug/l #	63
48) Ethyl methacrylate	8.36	69	7409	1.661	ug/l	67
49) Toluene	8.00	92	21705	1.851	ug/l	99
50) t-1,3-Dichloropropene	8.24	75	11553	1.803	ug/l	97
51) cis-1,3-Dichloropropene	7.64	75	12155	1.661	ug/l #	83
52) 1,1,2-Trichloroethane	8.43	97	6980	1.915	ug/l	90
53) 1,3-Dichloropropane	8.60	76	11786	1.823	ug/l	97
54) 2-Hexanone	8.72	43	21406	8.483	ug/l	84
55) Dibromochloromethane	8.83	129	8139	1.804	ug/l	100
56) 1,2-Dibromoethane	8.95	107	6321	1.831	ug/l	98
58) Tetrachloroethene	8.58	164	8593	1.797	ug/l	88
59) Chlorobenzene	9.47	112	23285	1.779	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.56	131	8857	1.849	ug/l	97
61) Pentachloroethane	11.45	117	7219	1.975	ug/l	86
62) Hexachloroethane	12.49	117	7225	1.847	ug/l	84
63) Ethyl Benzene	9.59	91	39272	1.758	ug/l	94
64) m/p-Xylenes	9.72	106	30035	3.552	ug/l	89
65) o-Xylene	10.12	106	14929	1.830	ug/l	94
66) Styrene	10.13	104	23911	1.790	ug/l	96
67) Bromoform	10.31	173	4705	1.976	ug/l #	96
69) Isopropylbenzene	10.50	105	39452	1.774	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.80	83	9031	1.884	ug/l	94
71) 1,2,3-Trichloropropane	10.85	75	7445m	1.900	ug/l	
72) Bromobenzene	10.80	156	10037	1.865	ug/l	92
73) n-propylbenzene	10.92	120	10700	1.815	ug/l	80
74) 2-Chlorotoluene	11.01	126	9975	1.869	ug/l	85
75) 1,3,5-Trimethylbenzene	11.10	105	34241	1.778	ug/l	95
76) 4-Chlorotoluene	11.12	126	10383	1.933	ug/l	80
77) tert-Butylbenzene	11.44	119	34127	1.818	ug/l	95
78) 1,2,4-Trimethylbenzene	11.48	105	34906	1.796	ug/l	95
79) sec-Butylbenzene	11.66	105	45773	1.792	ug/l	98
80) Nitrobenzene	13.24	77	637	6.071	ug/l #	82
81) p-Isopropyltoluene	11.81	119	37209	1.848	ug/l	95
82) 1,3-Dichlorobenzene	11.76	146	20519	1.924	ug/l	99
83) 1,4-Dichlorobenzene	11.85	146	19645	1.819	ug/l	96
84) n-Butylbenzene	12.22	91	33000	1.730	ug/l	96
85) 1,2-Dichlorobenzene	12.23	146	19114	1.853	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	13.02	75	1505	1.779	ug/l #	78
87) 1,2,4-Trichlorobenzene	13.87	180	8481	1.635	ug/l #	92
88) Hexachlorobutadiene	14.06	225	5973	1.861	ug/l	95
89) Naphthalene	14.12	128	12663	1.438	ug/l #	95
90) 1,2,3-Trichlorobenzene	14.37	180	9109	1.805	ug/l	97

(#) = 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: VU037140.D

Acq: 09 Mar 2020 18:58

Instrument :

MSVOA_U

ClientSampleId :

VU0309WBSD01

Tot Ion: 96 Resp: 16092

Ion Ratio Lower Upper

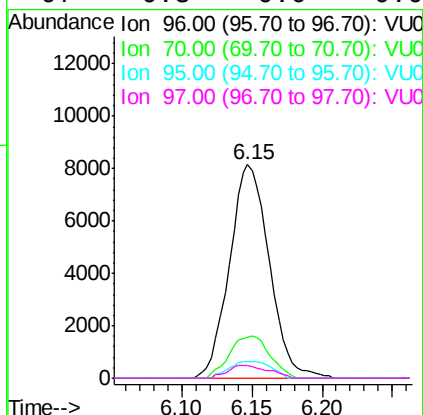
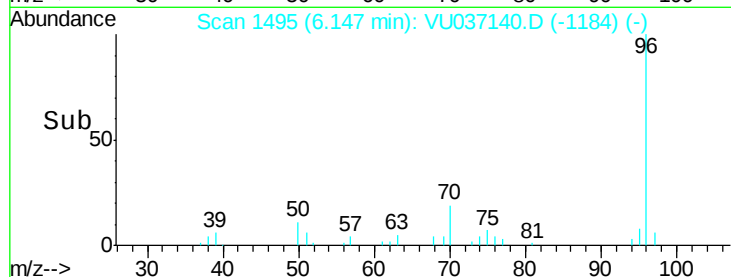
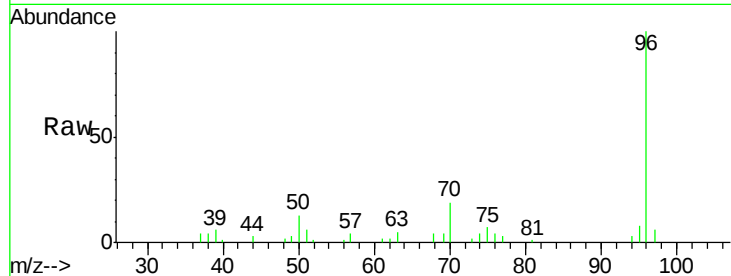
96 100

70 20.1 15.6 23.4

95 8.3 7.0 10.6

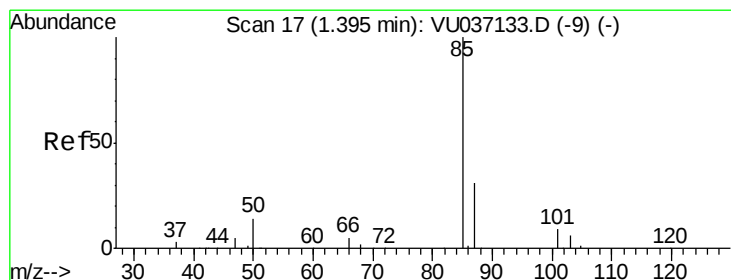
97 6.3 0.0 0.0#

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#2

Dichlorodifluoromethane

Concen: 1.912 ug/l

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU037140.D

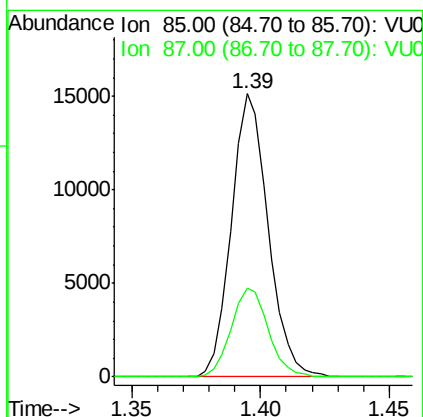
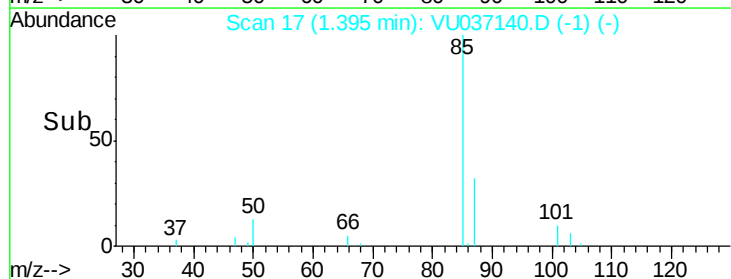
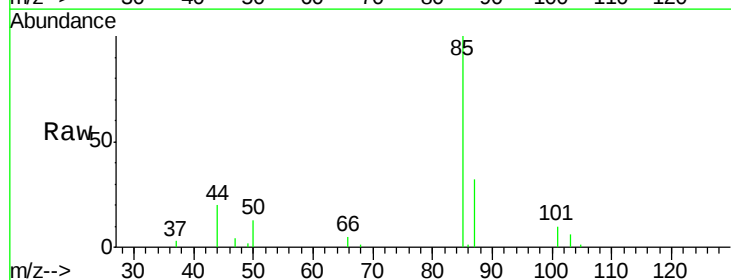
Acq: 09 Mar 2020 18:58

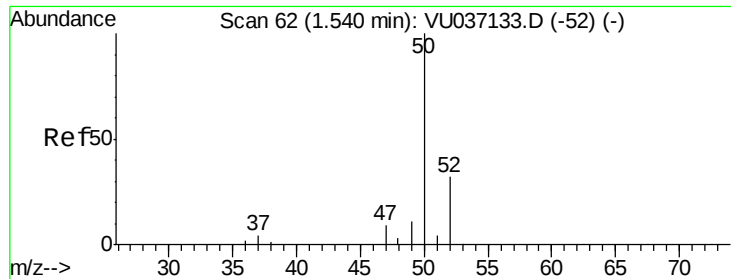
Tgt Ion: 85 Resp: 15017

Ion Ratio Lower Upper

85 100

87 31.6 16.4 49.2





#3

Chloromethane

Concen: 1.941 ug/l

RT: 1.54 min Scan# 62

Delta R.T. -0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

Instrument :

MSVOA_U

ClientSampleId :

VU0309WBSD01

Tot Ion: 50 Resp: 15162

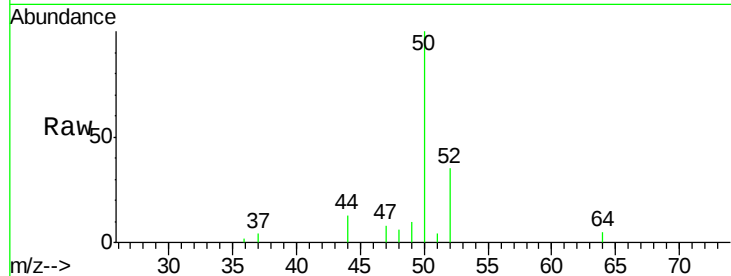
Ion Ratio Lower Upper

50 100

52 34.6 26.0 39.0

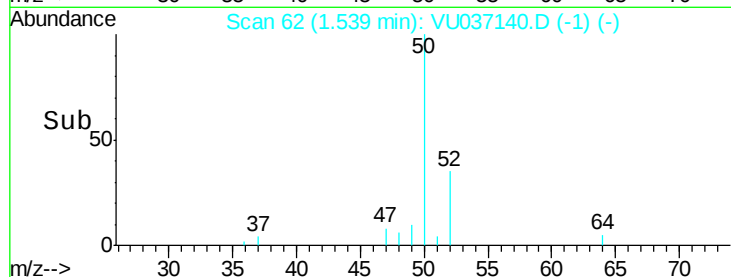
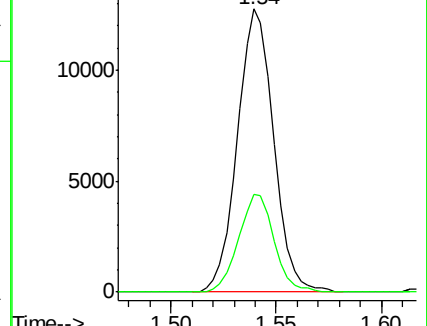
Manual Integrations

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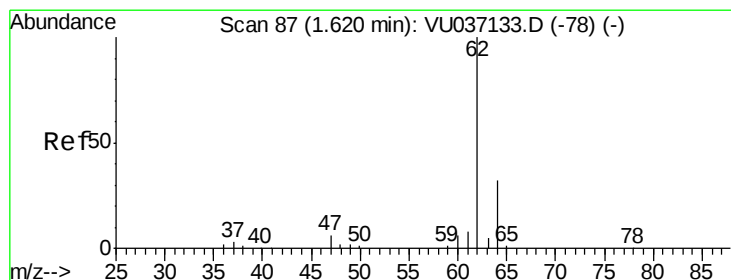
Abundance Ion 50.00 (49.70 to 50.70): VU037133.D (-52) (-)

Ion 52.00 (51.70 to 52.70): VU037133.D (-52) (-)



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#4

Vinyl Chloride

Concen: 1.941 ug/l

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU037140.D

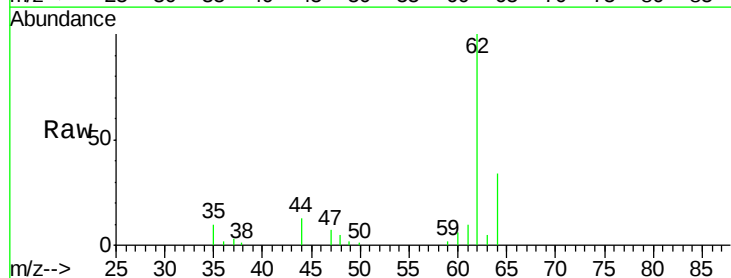
Acq: 09 Mar 2020 18:58

Tgt Ion: 62 Resp: 13324

Ion Ratio Lower Upper

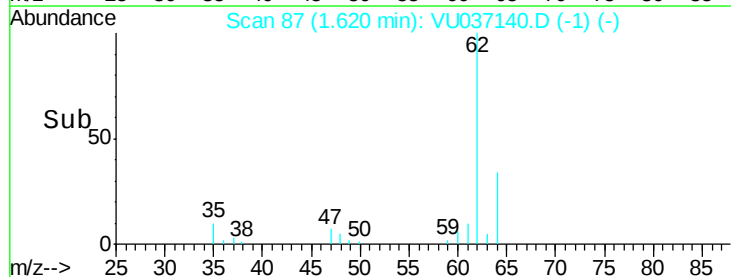
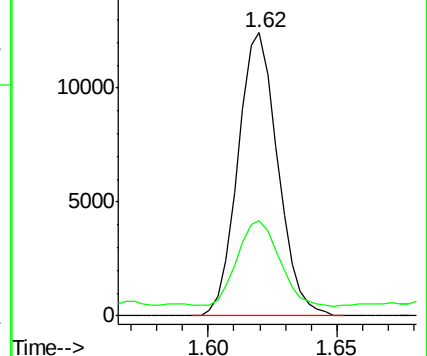
62 100

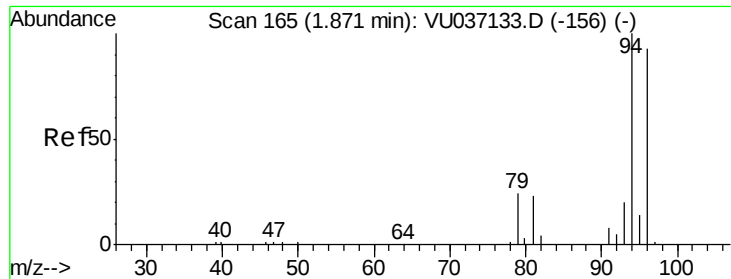
64 30.0 25.4 38.2



Abundance Ion 62.00 (61.70 to 62.70): VU037133.D (-78) (-)

Ion 64.00 (63.70 to 64.70): VU037133.D (-78) (-)





#5

Bromomethane

Concen: 2.040 ug/l

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

Instrument :

MSVOA_U

ClientSampleId :

VU0309WBSD01

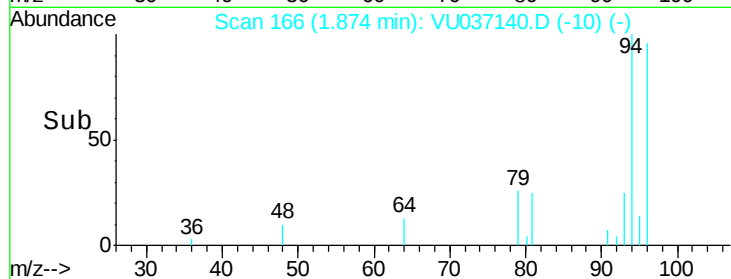
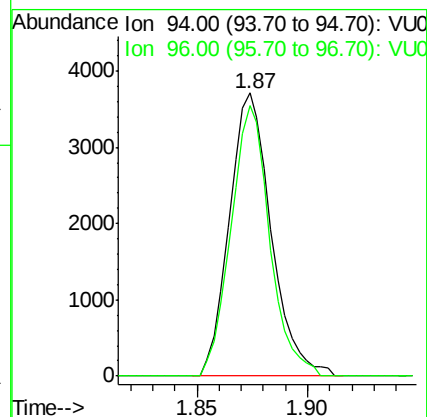
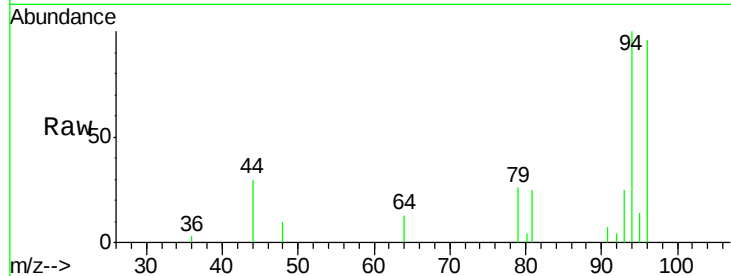
Tot Ion: 94 Resp: 4884

Ion Ratio Lower Upper

94 100

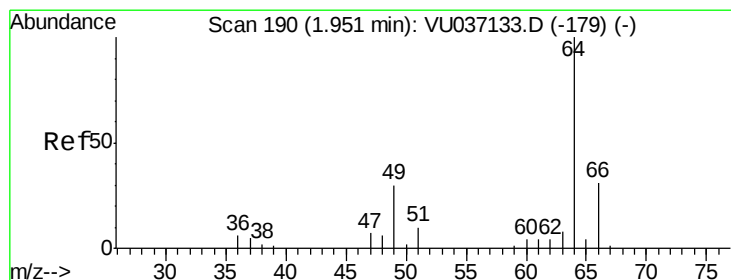
96 95.8 74.6 112.0

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#6

Chloroethane

Concen: 1.925 ug/l

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU037140.D

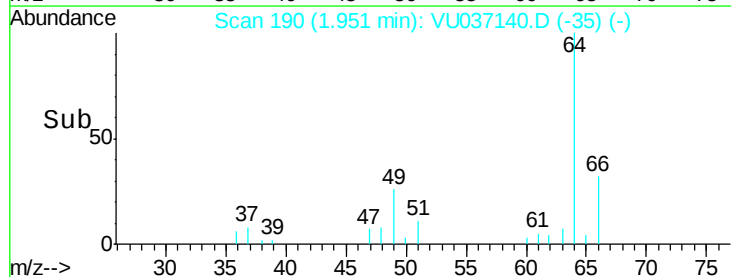
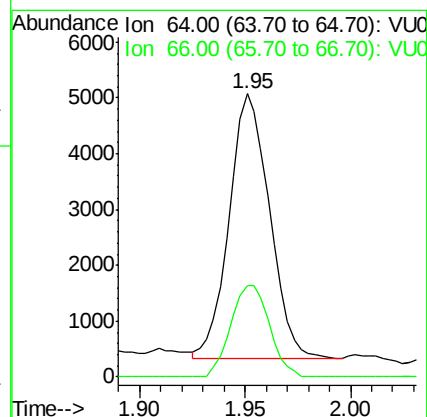
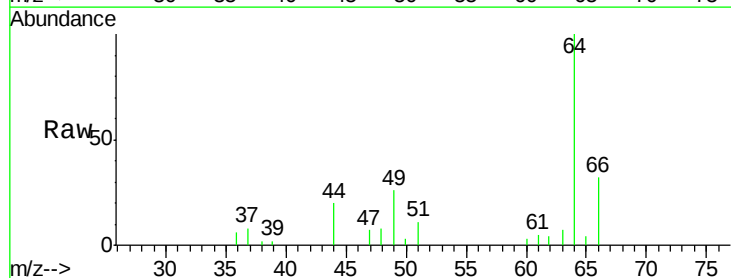
Acq: 09 Mar 2020 18:58

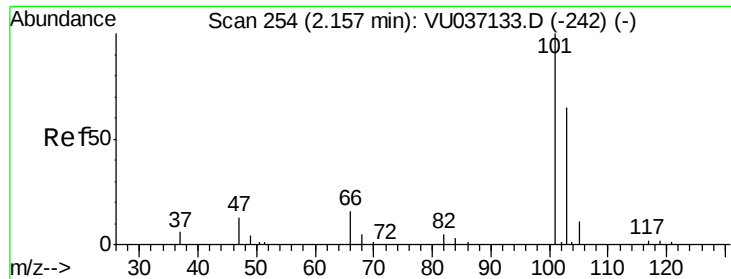
Tgt Ion: 64 Resp: 6332

Ion Ratio Lower Upper

64 100

66 34.5 25.5 38.3





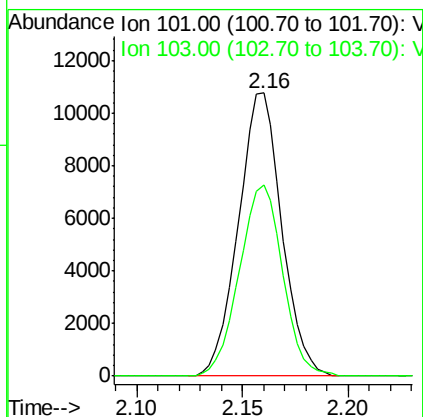
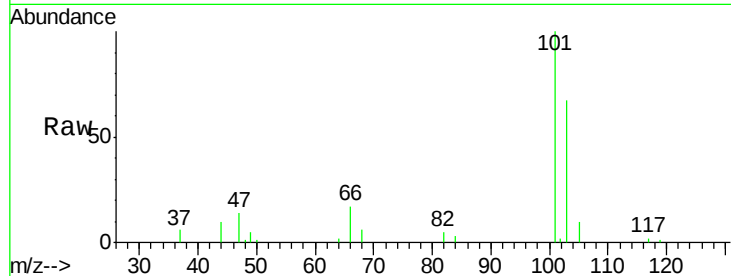
#7

Trichlorofluoromethane
 Concen: 1.845 ug/l
 RT: 2.16 min Scan# 255
 Delta R.T. 0.00 min
 Lab File: VU037140.D
 Acq: 09 Mar 2020 18:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0309WBSD01

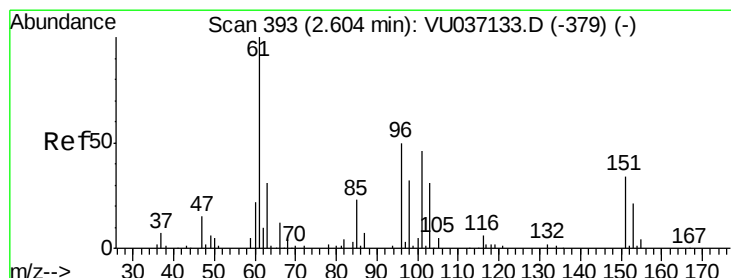
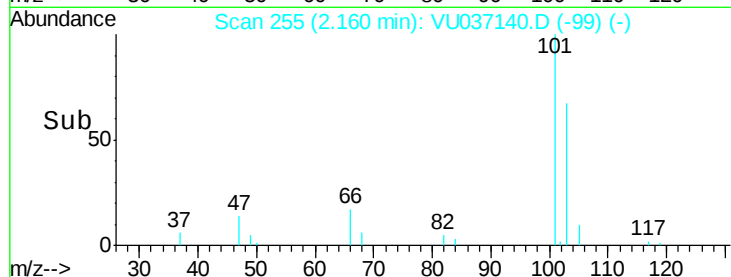
Tot Ion	Ratio	Lower	Upper
101	100		
103	67.5	53.0	79.6

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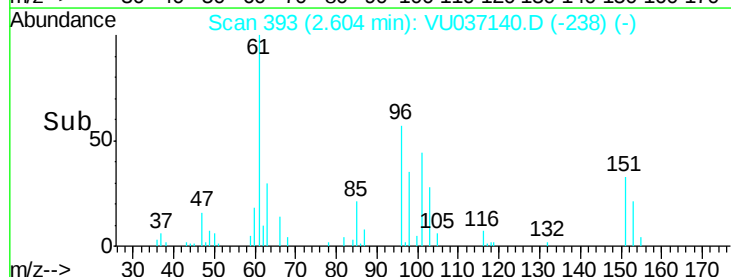
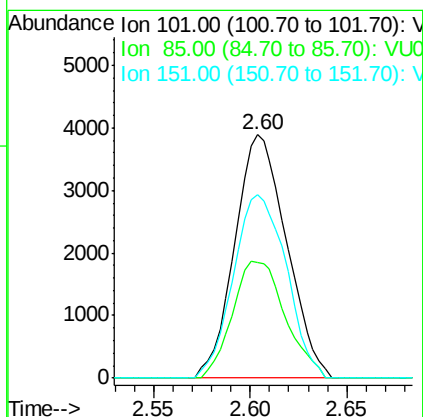
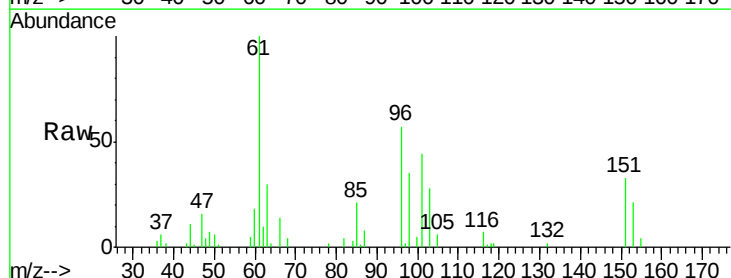
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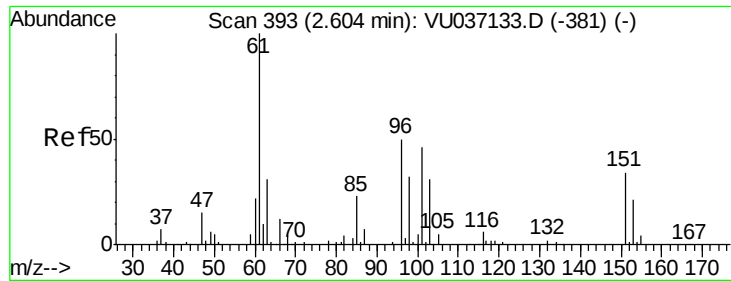


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.846 ug/l
 RT: 2.60 min Scan# 393
 Delta R.T. -0.00 min
 Lab File: VU037140.D
 Acq: 09 Mar 2020 18:58

Tgt Ion	Ratio	Lower	Upper
101	100		
85	48.9	33.9	50.9
151	77.2	59.8	89.8





#9

1,1-Dichloroethene

Concen: 2.014 ug/l

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

Instrument :

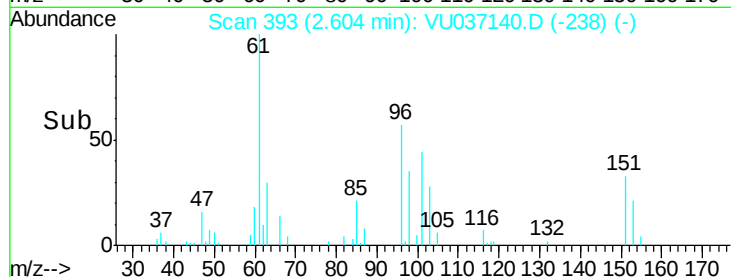
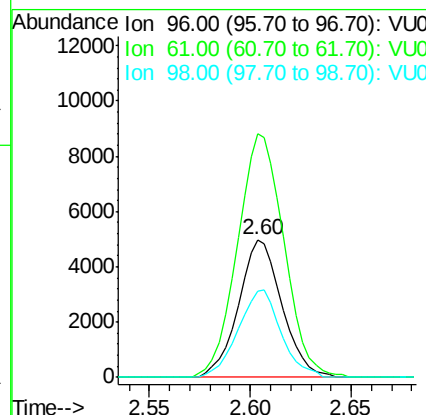
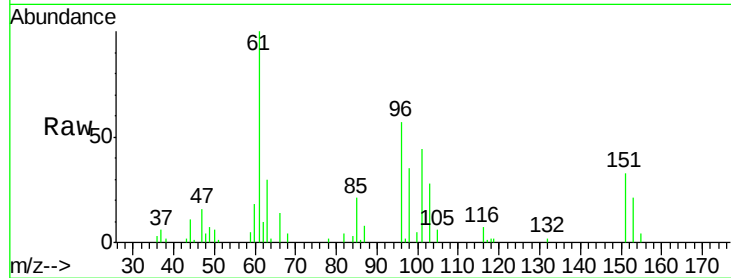
MSVOA_U

ClientSampleId :

VU0309WBSD01

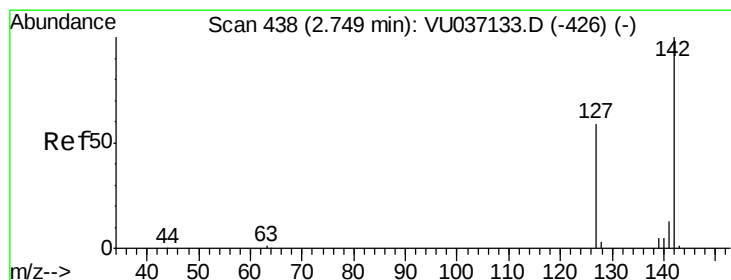
Tot Ion:	96	Resp:	7493
Ion	Ratio	Lower	Upper
96	100		
61	176.6	0.0	463.2
98	62.5	0.0	130.0

Manual Integrations
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#10

Iodomethane

Concen: 1.128 ug/l

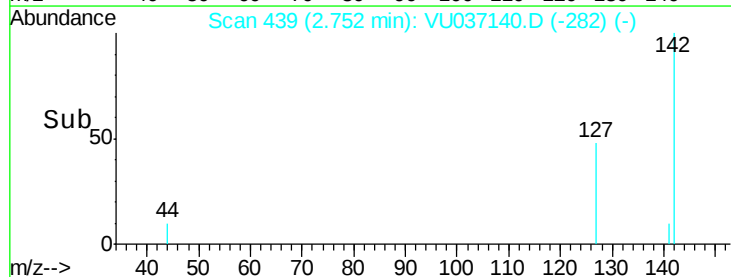
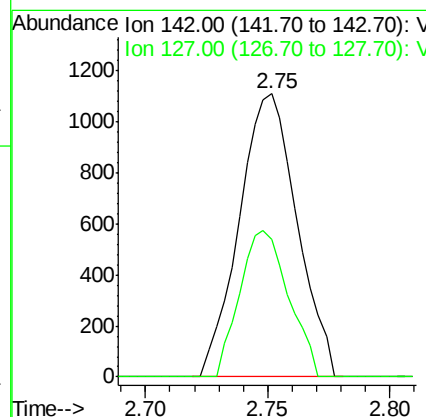
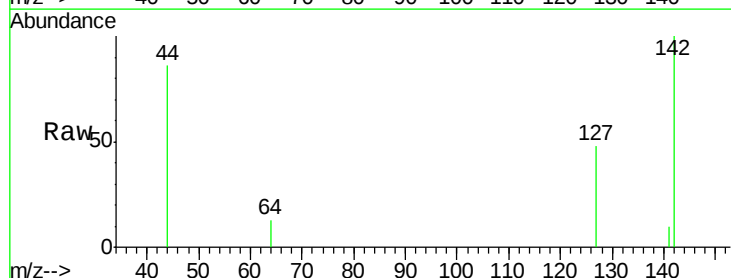
RT: 2.75 min Scan# 439

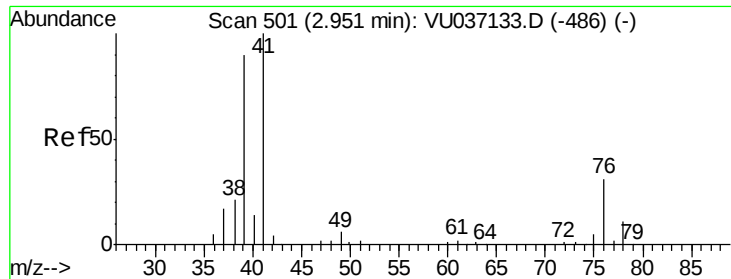
Delta R.T. 0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

Tgt Ion:	142	Resp:	1824
Ion	Ratio	Lower	Upper
142	100		
127	43.8	30.3	45.5



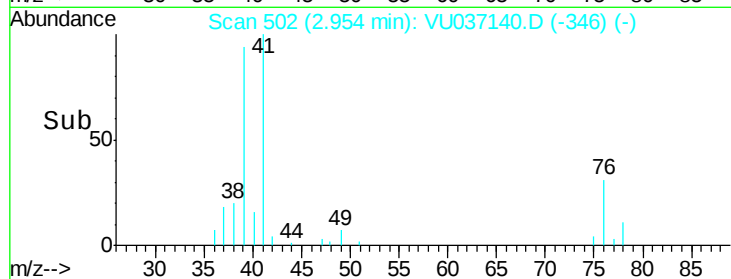
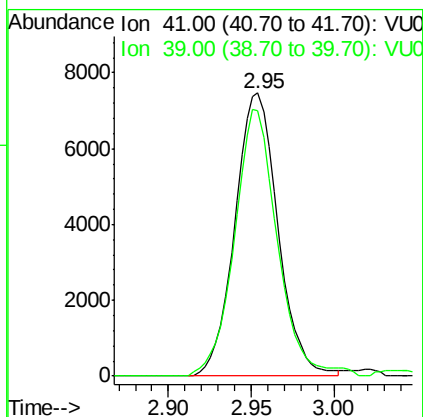
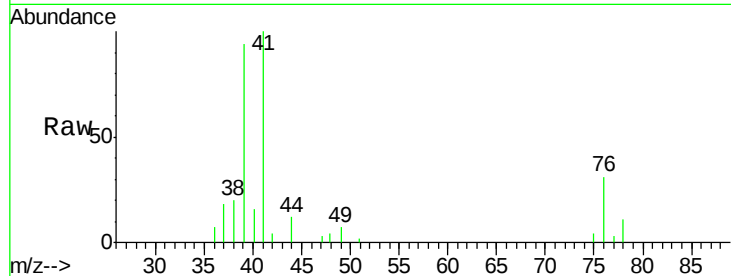


#11
Allvl Chloride
Concen: 1.872 ug/l
RT: 2.95 min Scan# 502
Delta R.T. 0.00 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

Instrument :
MSVOA_U
ClientSampleId :
VU0309WBSD01

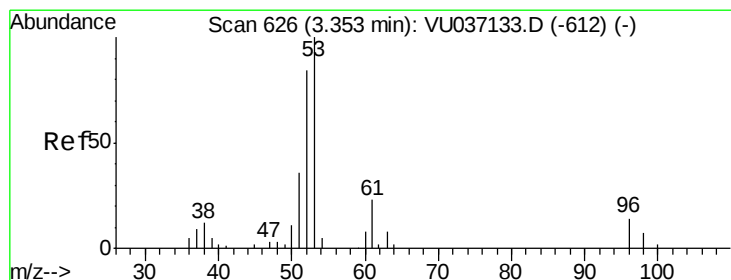
Tot Ion: 41 Resp: 13504
Ion Ratio Lower Upper
41 100
39 93.9 50.7 76.1#

Manual Integrations
APPROVED



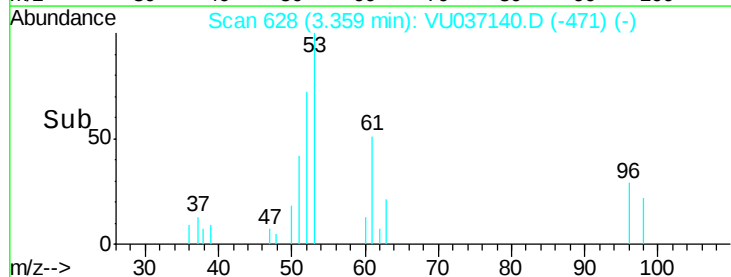
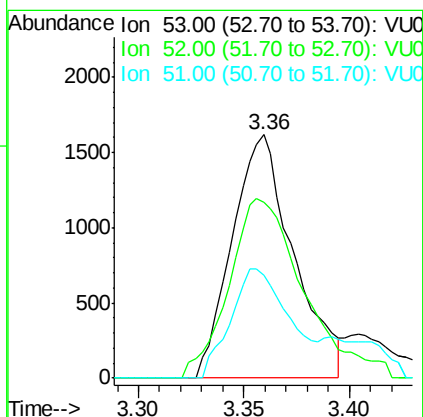
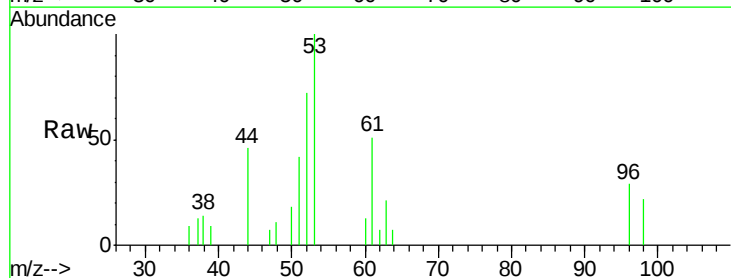
sam

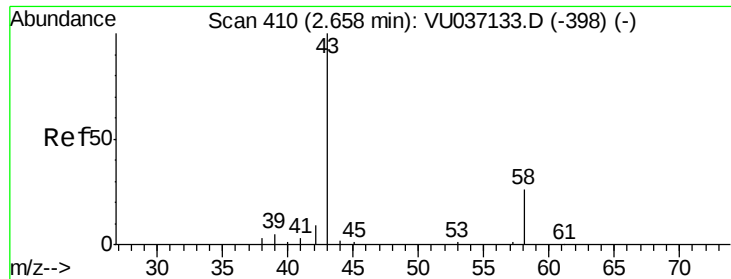
3/10/2020 3:06:53 PM



#12
Acrylonitrile
Concen: 3.711 ug/l
RT: 3.36 min Scan# 628
Delta R.T. 0.01 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

Tgt Ion: 53 Resp: 3266
Ion Ratio Lower Upper
53 100
52 89.7 64.6 97.0
51 43.3 27.2 40.8#





#13

Acetone

Concen: 9.192 ug/l

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

Instrument :

MSVOA_U

ClientSampleId :

VU0309WBSD01

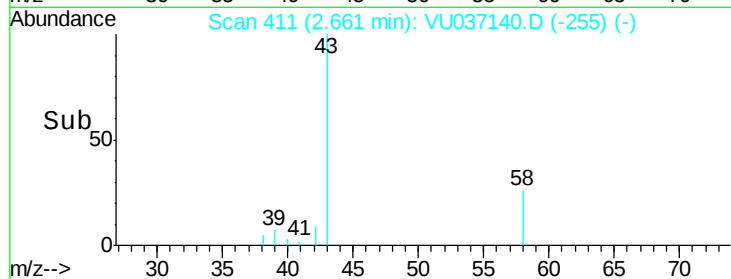
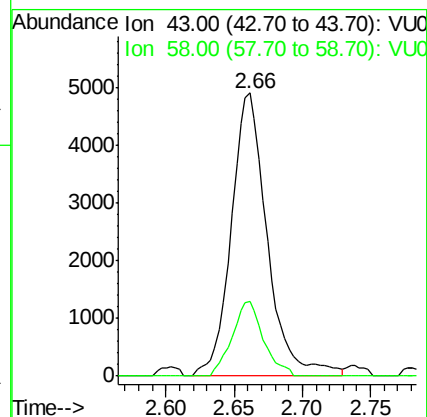
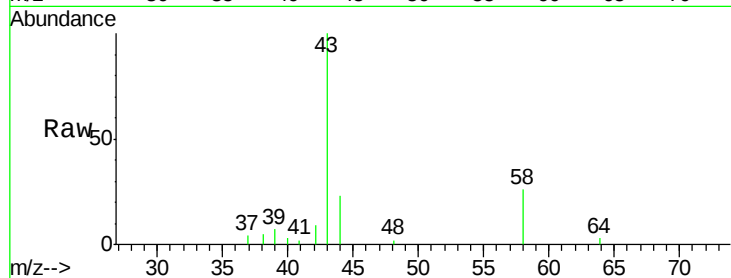
Tot Ion: 43 Resp: 8993

Ion Ratio Lower Upper

43 100

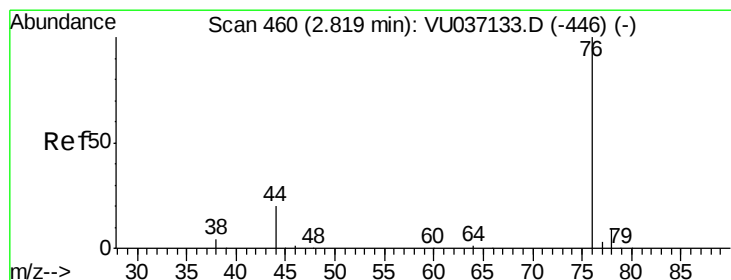
58 26.3 30.8 46.2#

Manual Integrations
APPROVED



sam

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#14

Carbon Disulfide

Concen: 1.818 ug/l

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037140.D

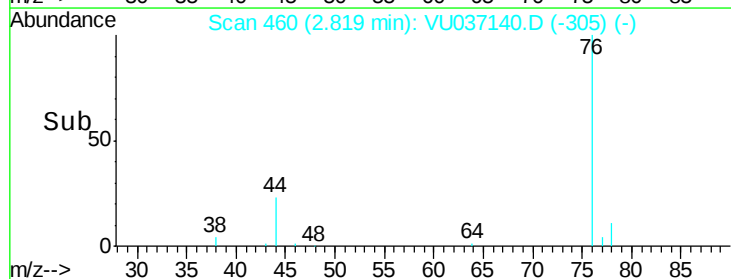
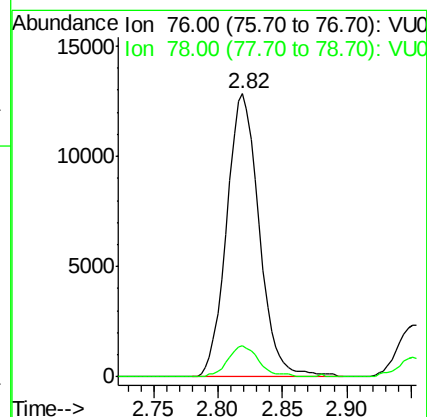
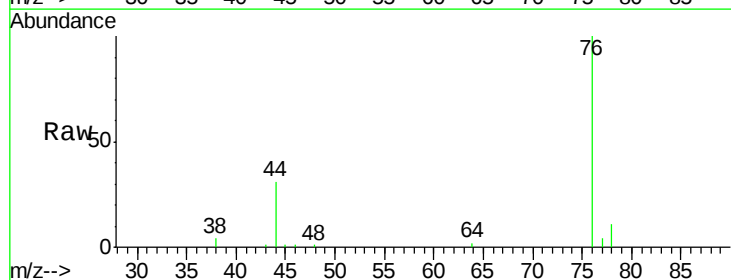
Acq: 09 Mar 2020 18:58

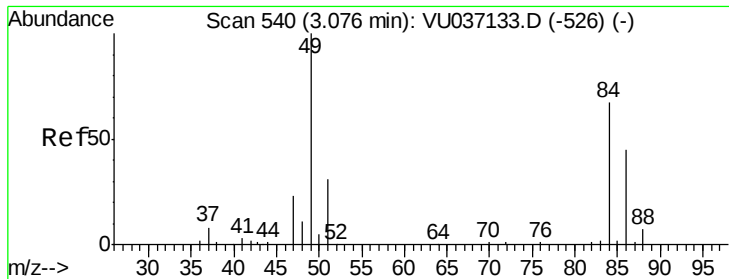
Tgt Ion: 76 Resp: 22534

Ion Ratio Lower Upper

76 100

78 10.9 7.4 11.0



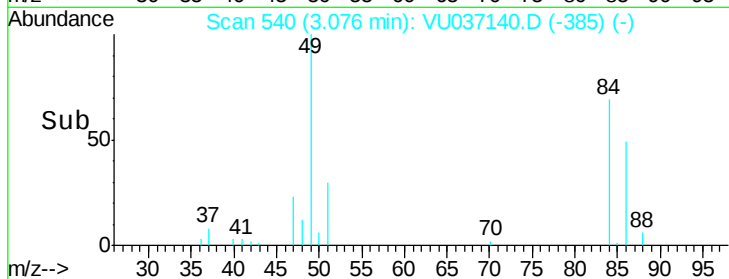
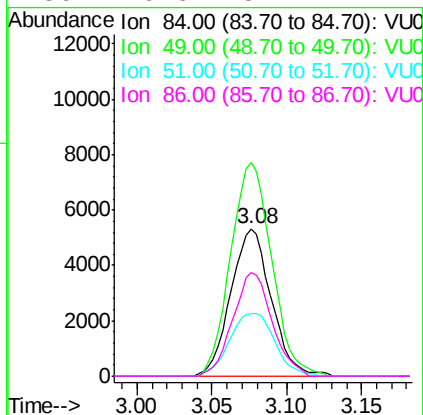
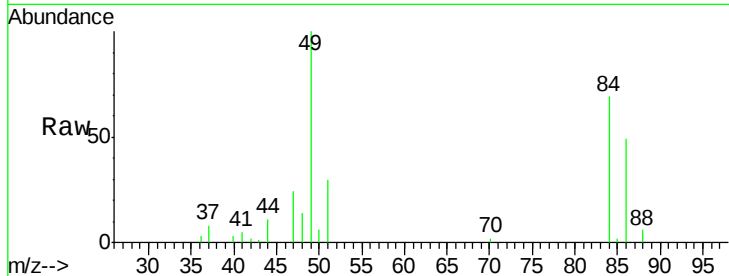


#15
Methvlene Chloride
Concen: 2.150 ug/l
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

Instrument :
MSVOA_U
ClientSampleId :
VU0309WBSD01

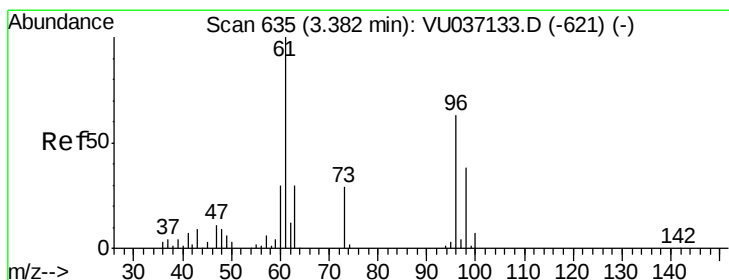
Tot Ion	84	Resp	10045
Ion	Ratio	Lower	Upper
84	100		
49	144.7	89.7	134.5#
51	42.8	0.0	71.6
86	70.6	51.4	77.2

Manual Integrations
APPROVED



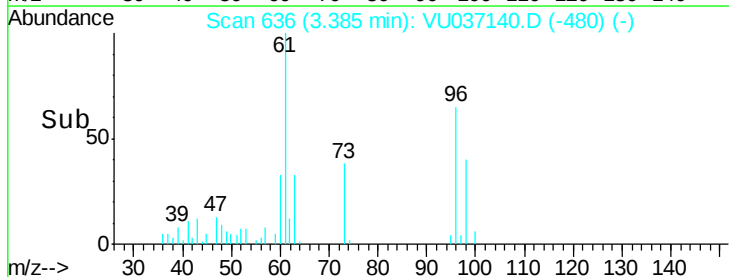
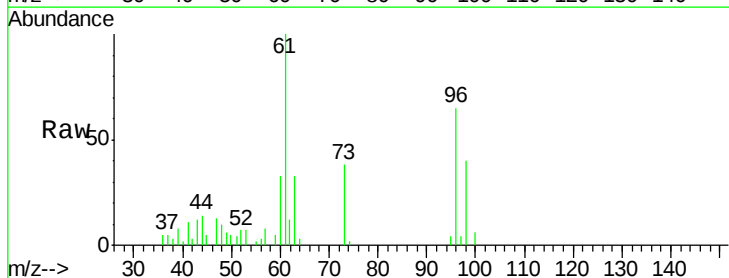
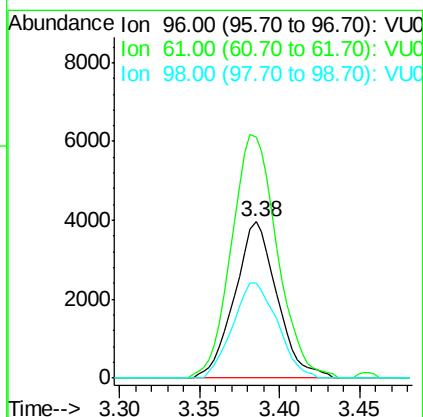
sam

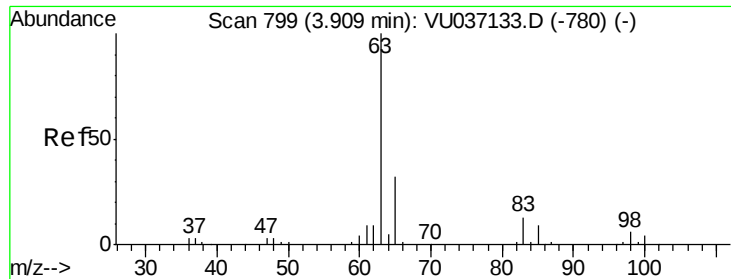
3/10/2020 3:06:53 PM



#16
trans-1,2-Dichloroethene
Concen: 1.813 ug/l
RT: 3.38 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

Tgt Ion	96	Resp	7165
Ion	Ratio	Lower	Upper
96	100		
61	154.3	110.8	166.2
98	61.1	50.3	75.5



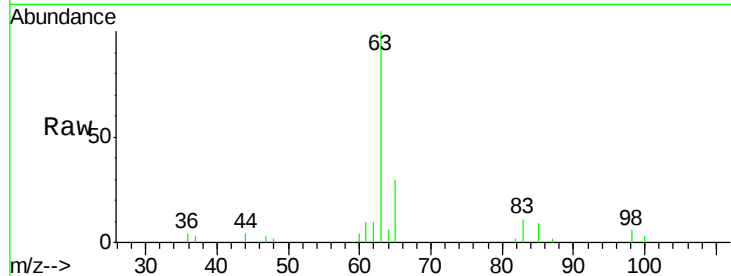


#17
 1,1-Dichloroethane
 Concen: 1.915 ug/l
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU037140.D
 Acq: 09 Mar 2020 18:58

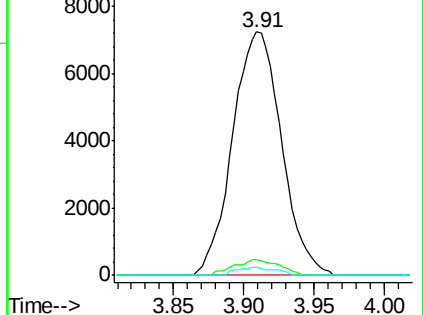
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0309WBSD01

Tot Ion:	63	Resp:	17548
Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.5	10.5
100	3.2	2.4	7.1

Manual Integrations
 APPROVED

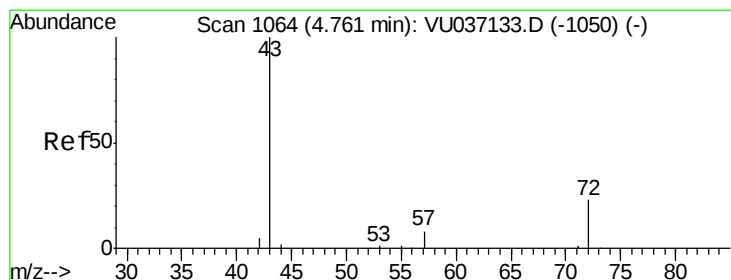
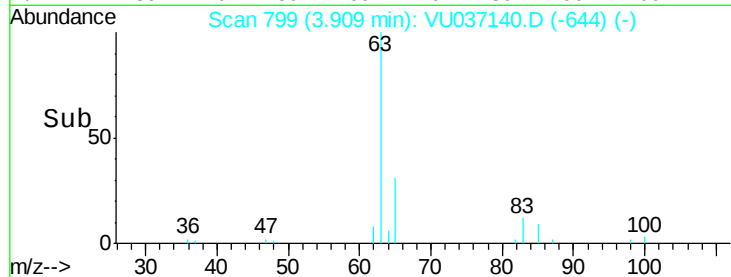


Abundance Ion 63.00 (62.70 to 63.70): VU037140.D (-644) (-)
 Ion 98.00 (97.70 to 98.70): VU037140.D (-644) (-)
 Ion 100.00 (99.70 to 100.70): VU037140.D (-644) (-)



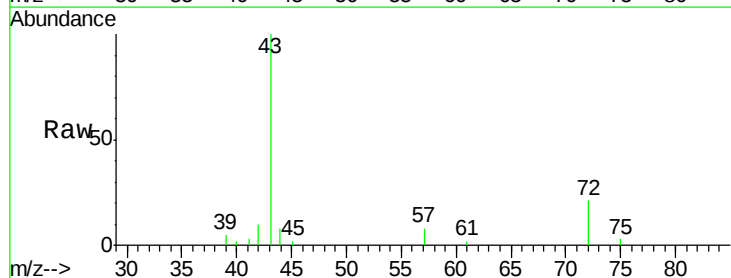
sam

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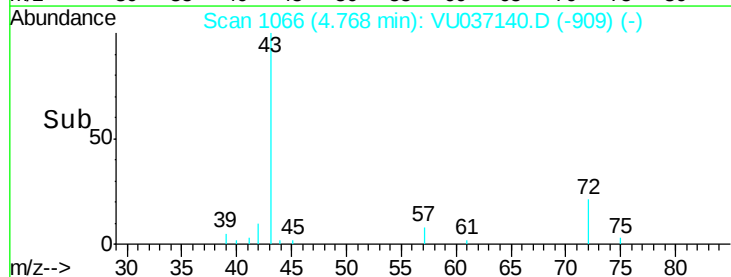
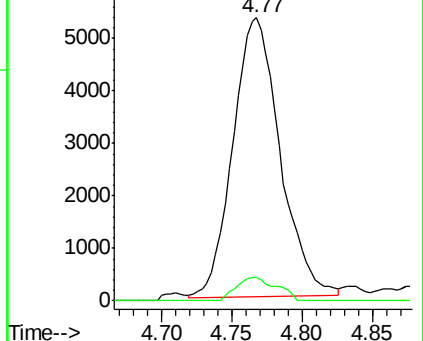


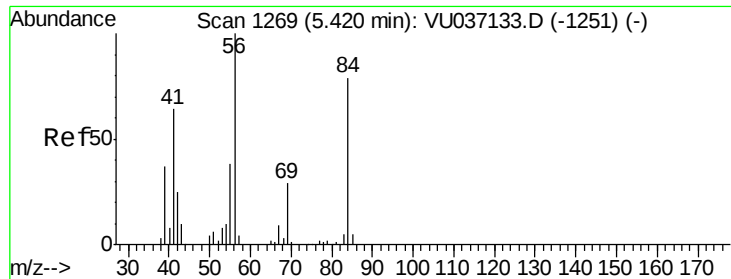
#18
 2-Butanone
 Concen: 8.367 ug/l
 RT: 4.77 min Scan# 1066
 Delta R.T. 0.01 min
 Lab File: VU037140.D
 Acq: 09 Mar 2020 18:58

Tgt Ion:	43	Resp:	12512
Ion	Ratio	Lower	Upper
43	100		
57	8.5	0.0	17.8



Abundance Ion 43.00 (42.70 to 43.70): VU037140.D (-909) (-)
 Ion 57.00 (56.70 to 57.70): VU037140.D (-909) (-)



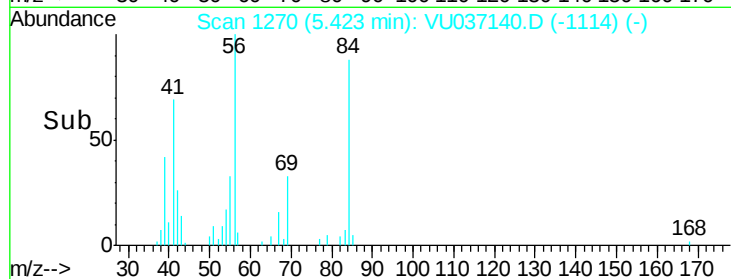
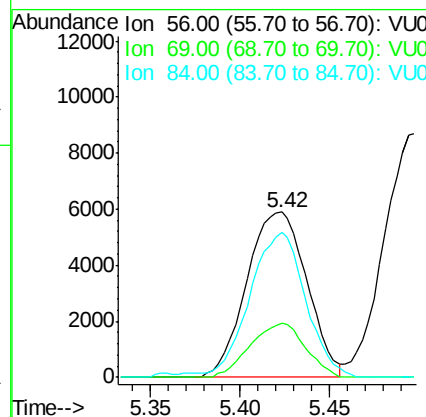
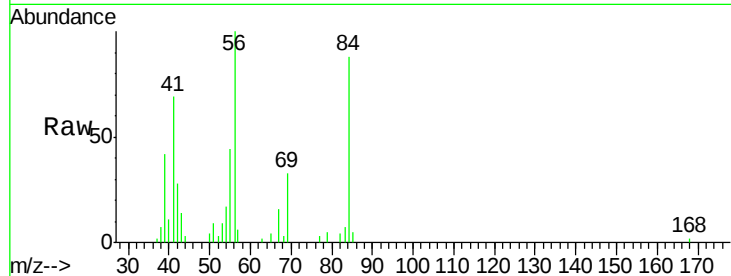


#19
Cyclohexane
Concen: 1.760 ug/l m
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

Instrument :
MSVOA_U
ClientSampleId :
VU0309WBSD01

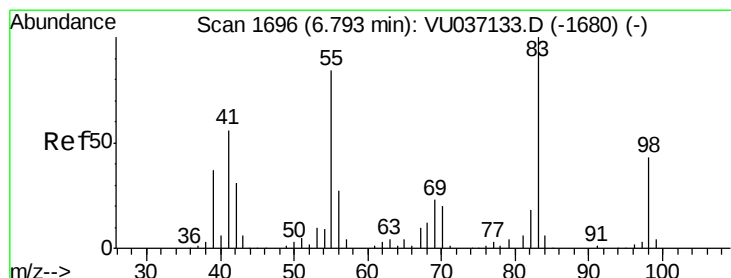
Tot Ion	Ratio	Lower	Upper
56	100		
69	29.9	26.2	39.2
84	79.0	72.8	109.2

Manual Integrations
APPROVED



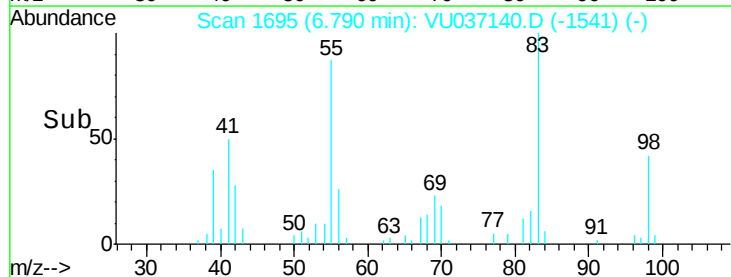
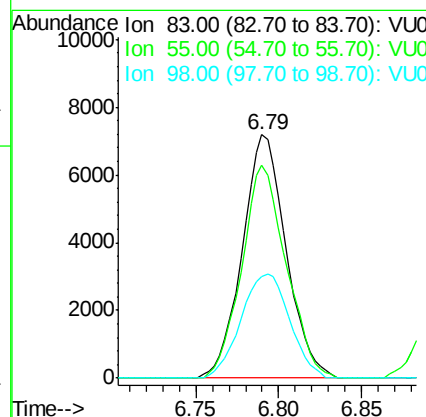
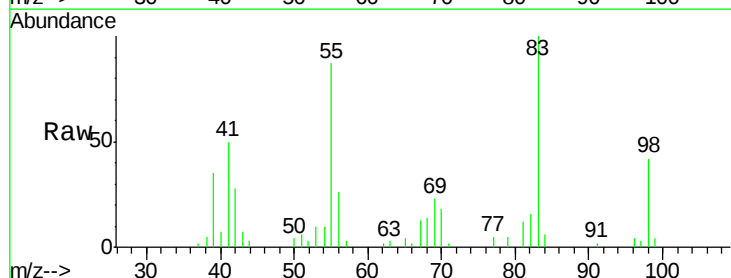
sam

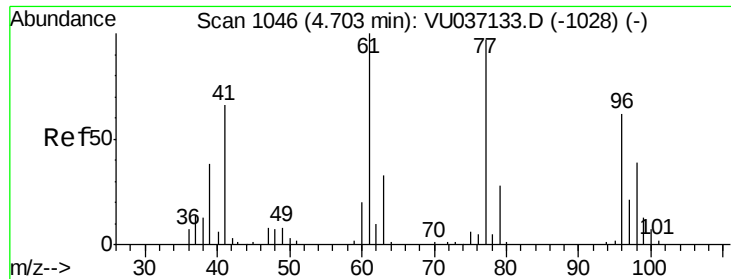
3/10/2020 3:06:53 PM



#20
Methylcyclohexane
Concen: 1.709 ug/l
RT: 6.79 min Scan# 1695
Delta R.T. -0.00 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

Tgt Ion	Ratio	Lower	Upper
83	100		
55	88.6	56.6	85.0#
98	47.6	37.5	56.3



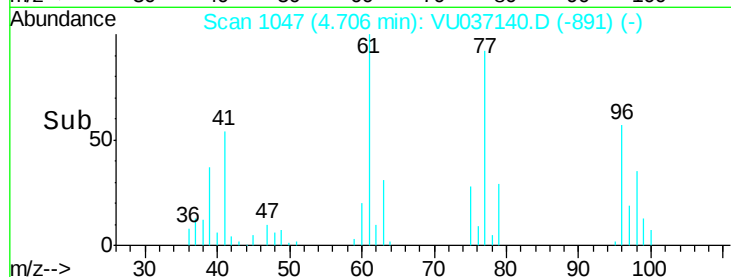
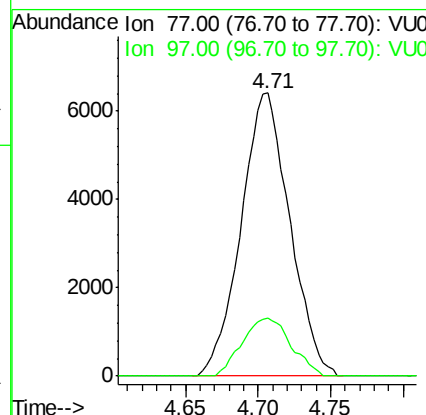
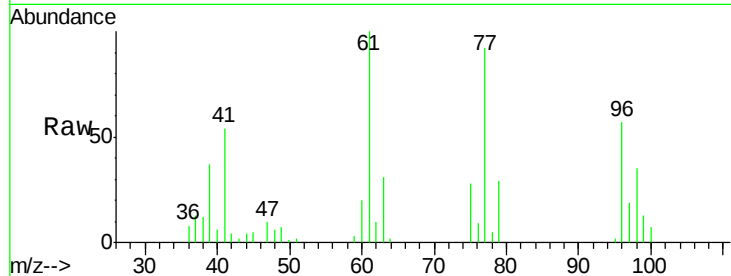


#21
 2,2-Dichloropropane
 Concen: 1.791 ug/l
 RT: 4.71 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: VU037140.D
 Acq: 09 Mar 2020 18:58

Instrument :
 MSVOA_U
 ClientSampled :
 VU0309WBSD01

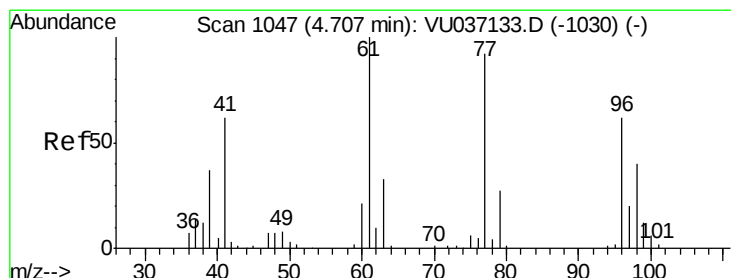
Tot Ion: 77 Resp: 14970
 Ion Ratio Lower Upper
 77 100
 97 20.5 19.0 28.4

Manual Integrations
 APPROVED



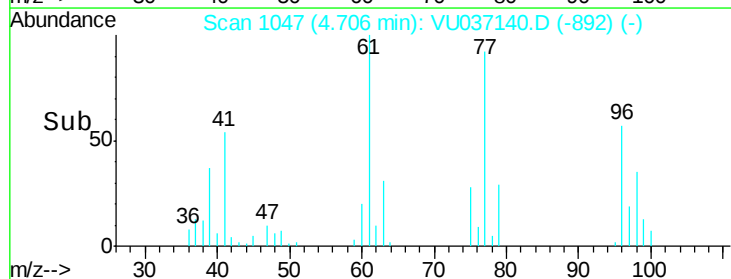
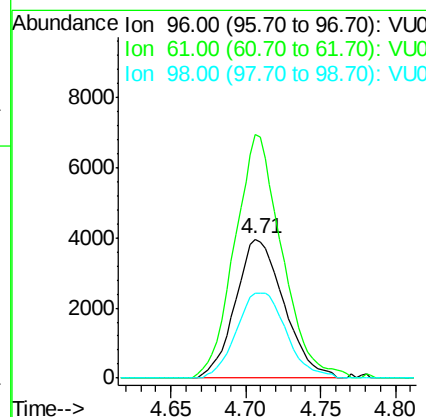
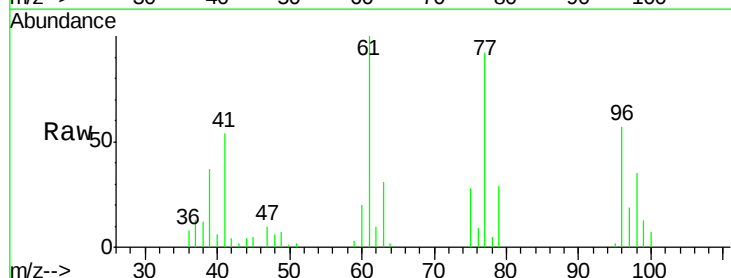
sam

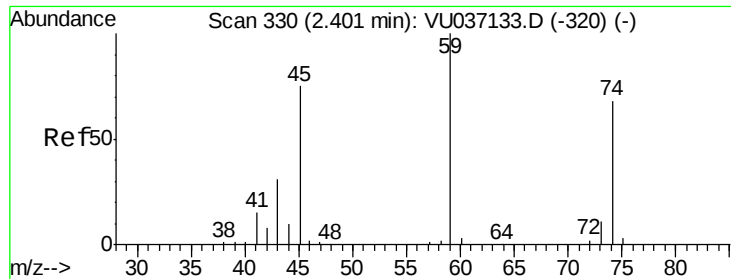
3/10/2020 3:06:53 PM



#22
 cis-1,2-Dichloroethene
 Concen: 1.825 ug/l
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU037140.D
 Acq: 09 Mar 2020 18:58

Tgt Ion: 96 Resp: 8932
 Ion Ratio Lower Upper
 96 100
 61 170.2 0.0 342.0
 98 63.1 32.0 96.0



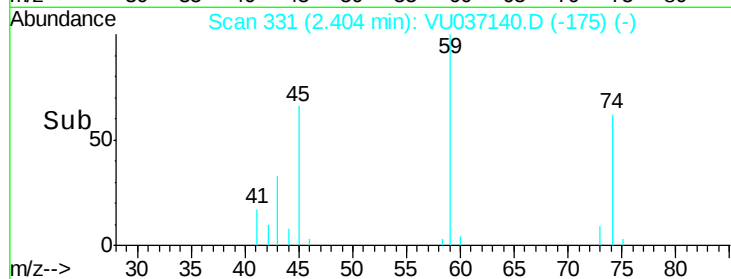
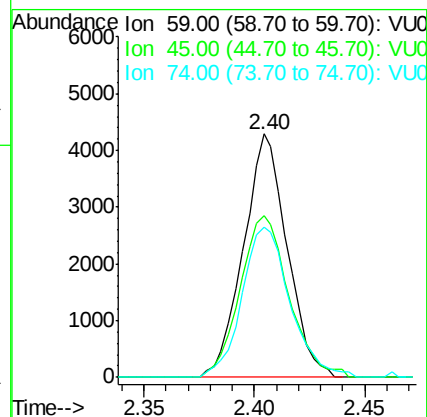
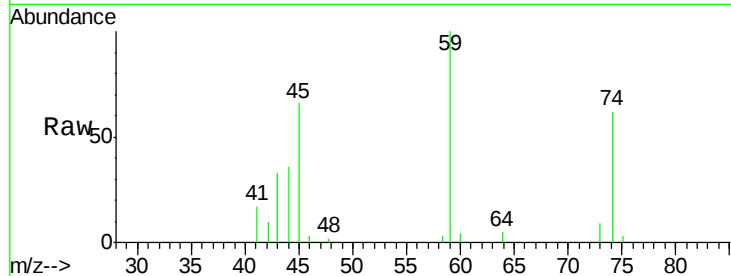


#23
Diethyl Ether
Concen: 1.867 ug/l
RT: 2.40 min Scan# 331
Delta R.T. 0.00 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

Instrument :
MSVOA_U
ClientSampleId :
VU0309WBSD01

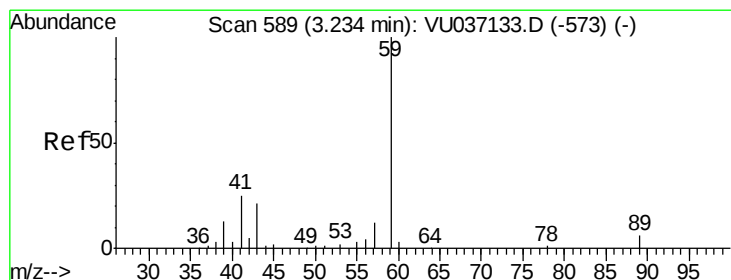
Tot Ion: 59 Resp: 5885
Ion Ratio Lower Upper
59 100
45 74.3 52.4 78.6
74 68.2 62.1 93.1

Manual Integrations
APPROVED



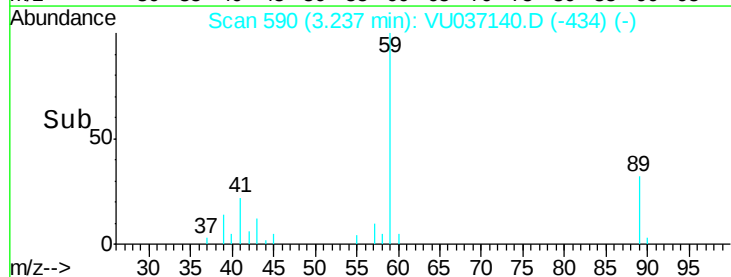
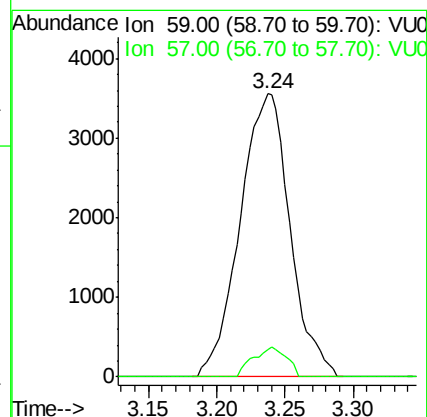
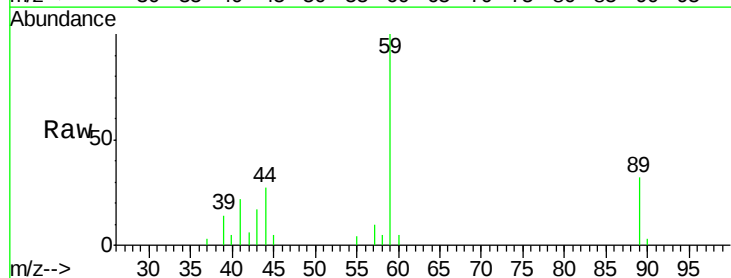
sam

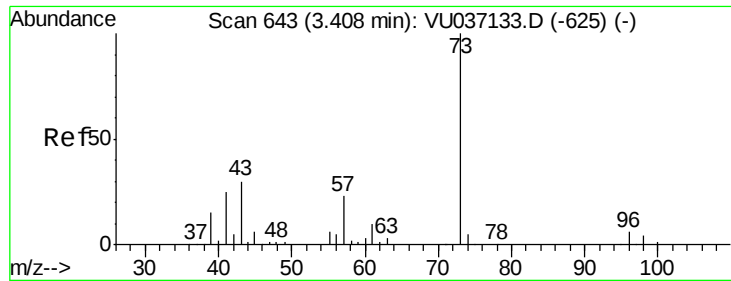
3/10/2020 3:06:53 PM



#24
tert-Butyl Alcohol
Concen: 26.191 ug/l
RT: 3.24 min Scan# 590
Delta R.T. 0.00 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

Tgt Ion: 59 Resp: 9027
Ion Ratio Lower Upper
59 100
57 7.1 8.4 12.6#



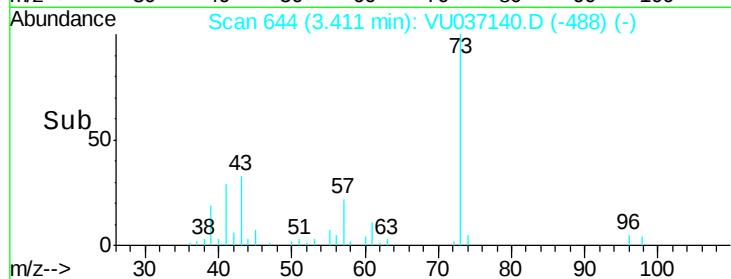
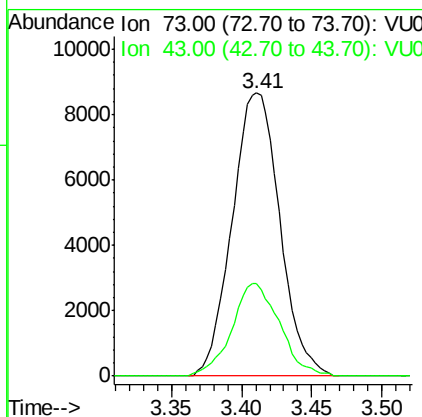
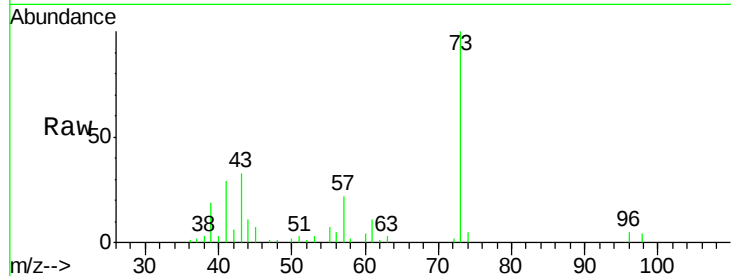


#25
Methvl tert-Butvl Ether
Concen: 1.878 ug/l
RT: 3.41 min Scan# 644
Delta R.T. 0.00 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

Instrument :
MSVOA_U
ClientSampleId :
VU0309WBSD01

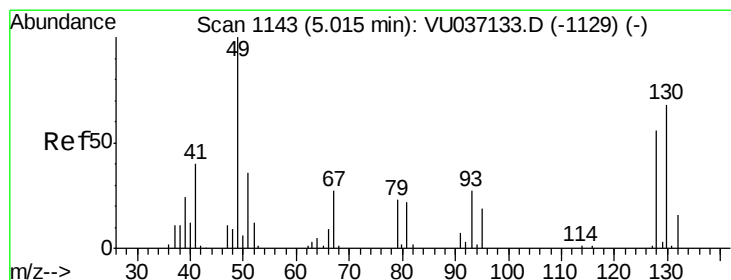
Tot Ion: 73 Resp: 20473
Ion Ratio Lower Upper
73 100
43 32.8 14.5 21.7#

Manual Integrations
APPROVED



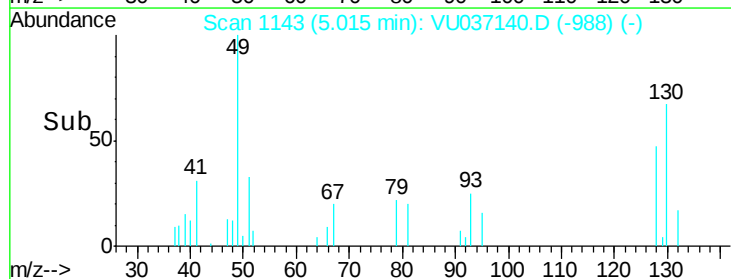
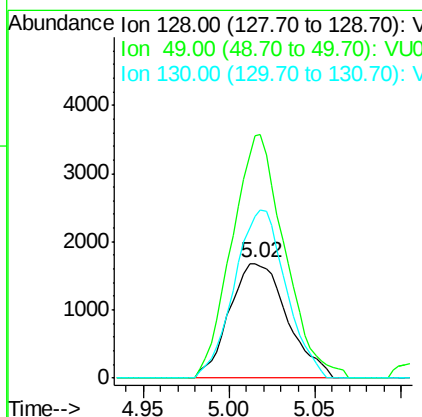
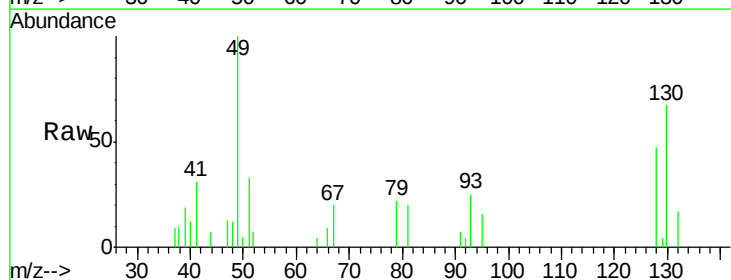
sam

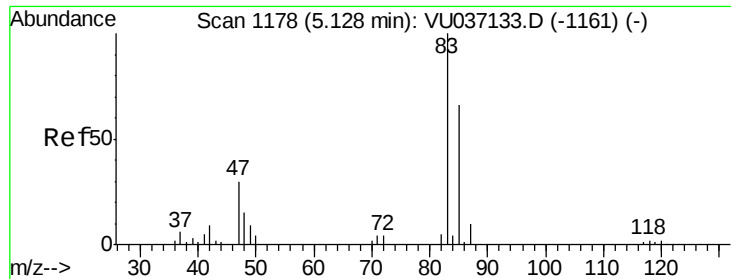
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#26
Bromochloromethane
Concen: 1.820 ug/l
RT: 5.02 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

Tgt Ion: 128 Resp: 3922
Ion Ratio Lower Upper
128 100
49 193.7 0.0 286.2
130 130.7 104.3 156.5



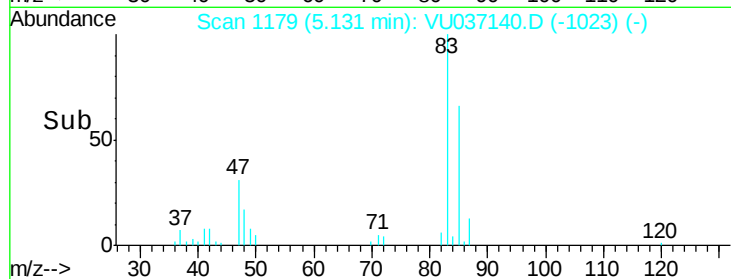
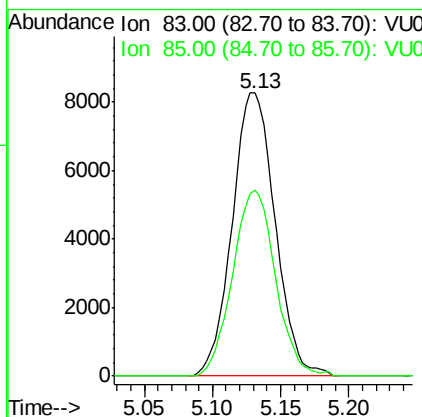
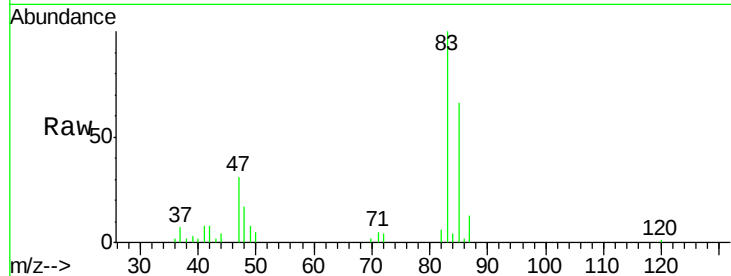


#27
Chloroform
Concen: 1.834 ug/l
RT: 5.13 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

Instrument :
MSVOA_U
ClientSampleId :
VU0309WBSD01

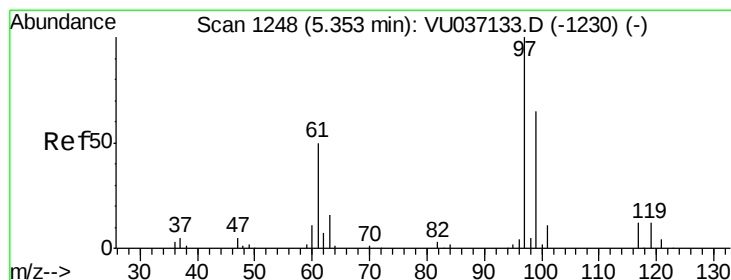
Tot Ion: 83 Resp: 18091
Ion Ratio Lower Upper
83 100
85 65.9 0.0 129.0

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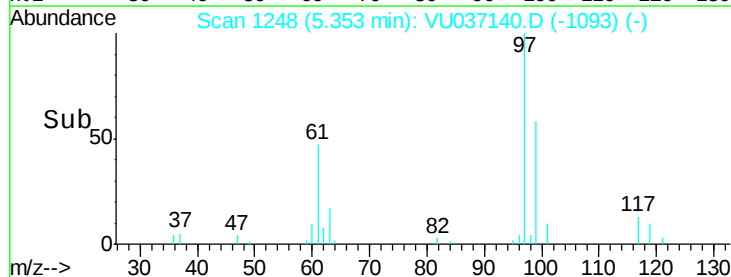
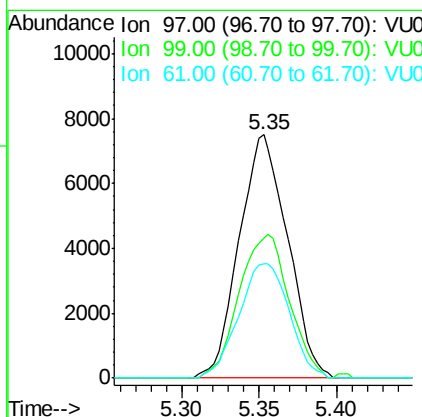
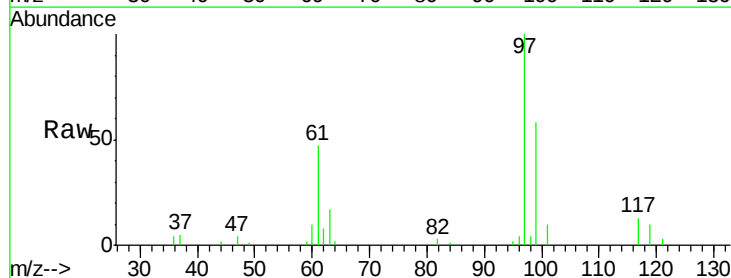
sam

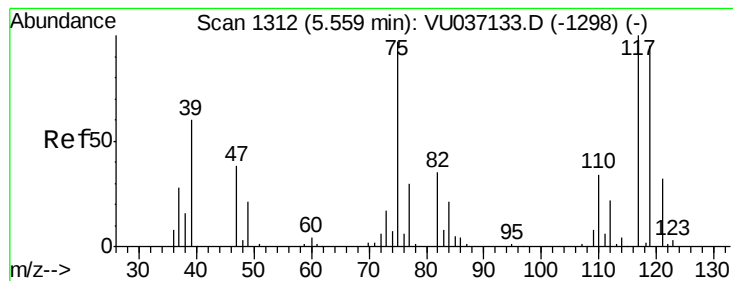
3/10/2020 3:06:53 PM



#28
1,1,1-Trichloroethane
Concen: 1.938 ug/l
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

Tgt Ion: 97 Resp: 16297
Ion Ratio Lower Upper
97 100
99 61.2 32.1 96.3
61 49.0 22.7 68.0





#29

1,1-Dichloropropene

Concen: 1.788 ug/l

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

Instrument :

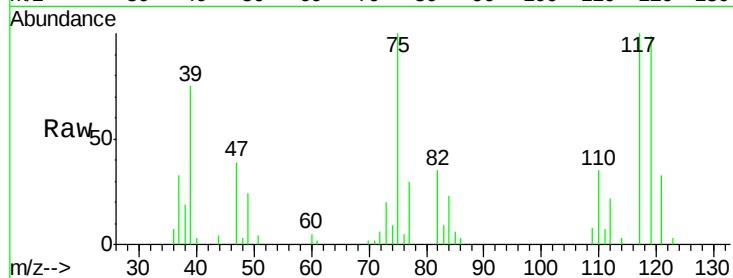
MSVOA_U

ClientSampleId :

VU0309WBSD01

Tot Ion:	75	Resp:	12222
Ion Ratio	Lower	Upper	
75	100		
110	34.6	18.6	55.8
77	31.4	25.0	37.4

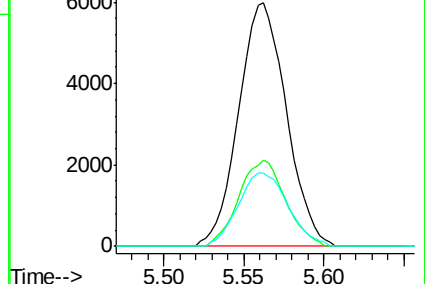
Manual Integrations
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Abundance Ion 75.00 (74.70 to 75.70): VU037133.D (-1298) (-)

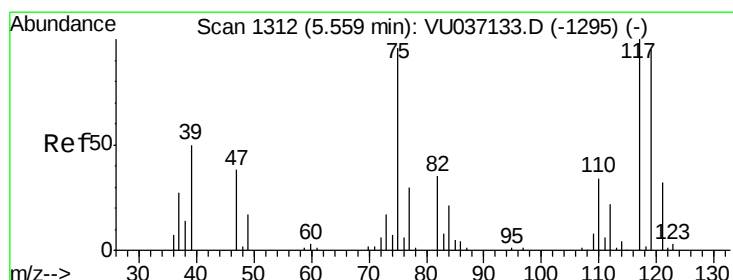
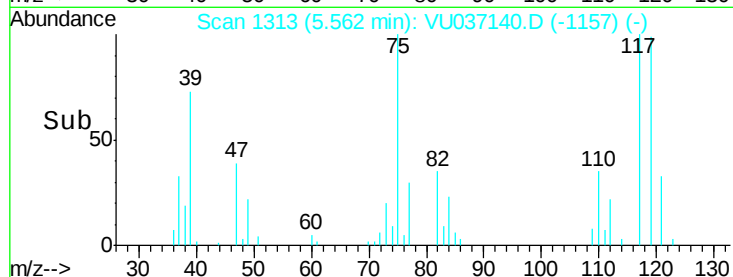
Ion 110.00 (109.70 to 110.70): VU037133.D (-1298) (-)

Ion 77.00 (76.70 to 77.70): VU037133.D (-1298) (-)



sam

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#30

Carbon Tetrachloride

Concen: 1.860 ug/l

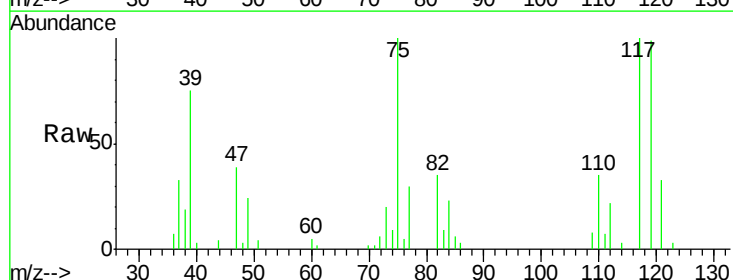
RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

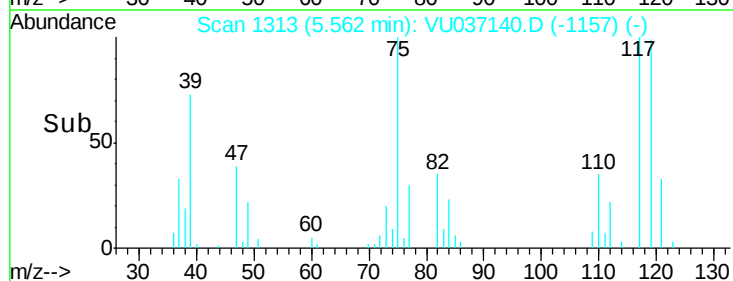
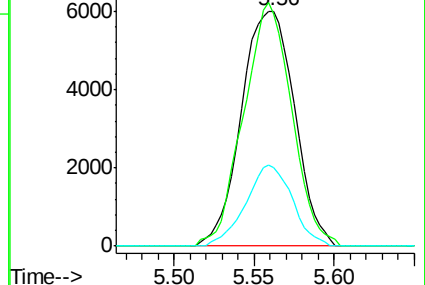
Tgt Ion:	117	Resp:	13687
Ion Ratio	Lower	Upper	
117	100		
119	98.8	77.0	115.6
121	33.2	23.3	34.9

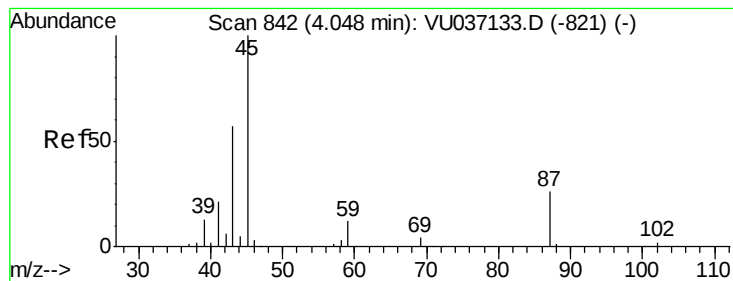


Abundance Ion 117.00 (116.70 to 117.70): VU037133.D (-1295) (-)

Ion 119.00 (118.70 to 119.70): VU037133.D (-1295) (-)

Ion 121.00 (120.70 to 121.70): VU037133.D (-1295) (-)





#31

Isopropyl Ether

Concen: 1.818 ug/l

RT: 4.05 min Scan# 842

Delta R.T. -0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

Instrument :

MSVOA_U

ClientSampleId :

VU0309WBSD01

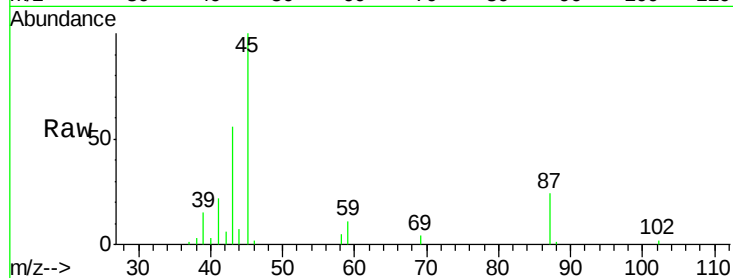
Tot Ion: 45 Resp: 26589

Ion Ratio Lower Upper

45 100

43 59.9 24.0 72.0

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Abundance Ion 45.00 (44.70 to 45.70): VU037140.D (-687) (-)

Ion 43.00 (42.70 to 43.70): VU037140.D (-687) (-)

12000

10000

8000

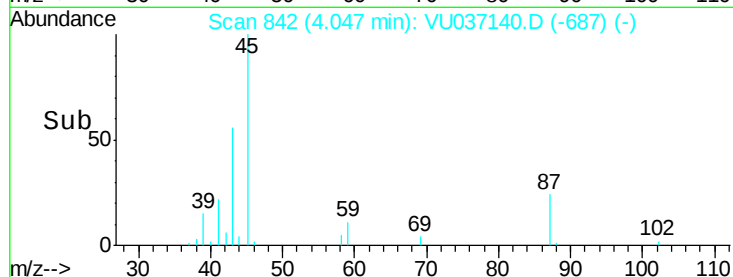
6000

4000

2000

0

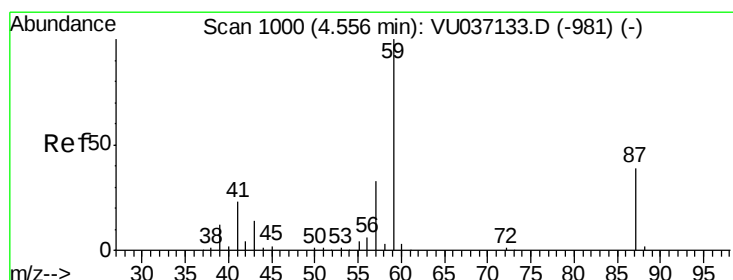
Time-->



Time-->

sam

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#32

Ethyl-t-butyl ether

Concen: 1.768 ug/l

RT: 4.56 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VU037140.D

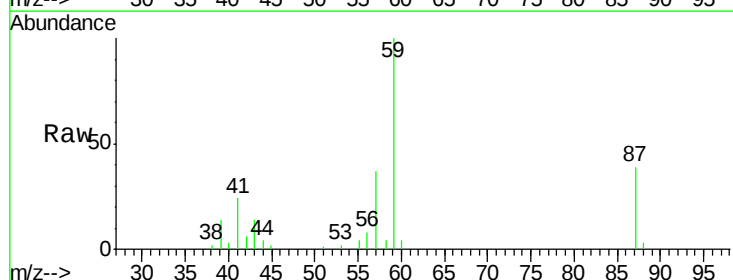
Acq: 09 Mar 2020 18:58

Tgt Ion: 59 Resp: 24411

Ion Ratio Lower Upper

59 100

87 40.8 35.1 52.7



Abundance Ion 59.00 (58.70 to 59.70): VU037140.D (-845) (-)

Ion 87.00 (86.70 to 87.70): VU037140.D (-845) (-)

12000

10000

8000

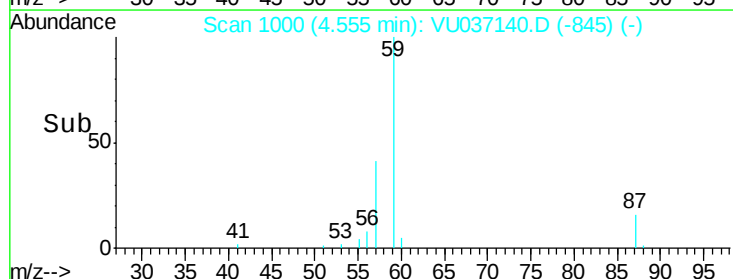
6000

4000

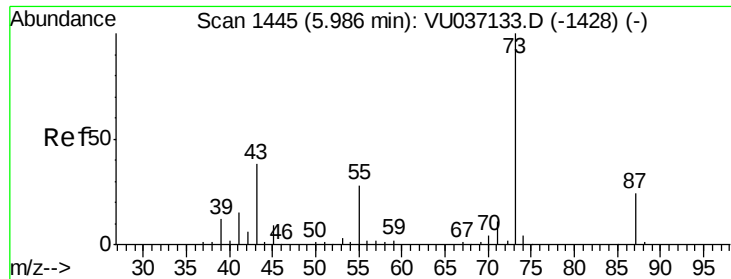
2000

0

Time-->



Time-->

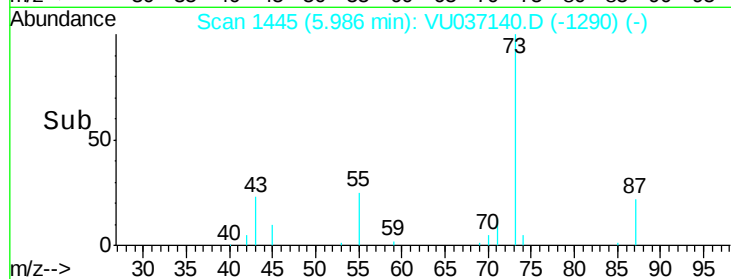
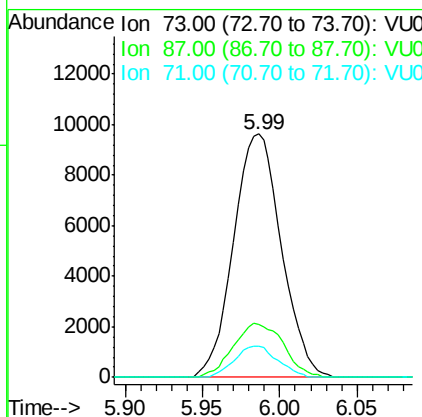
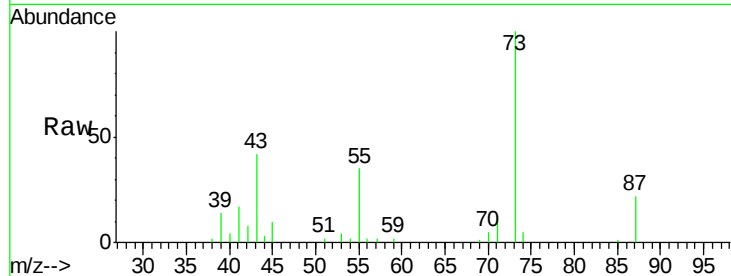


#33
Tert-Butyl methyl ether
Concen: 1.746 ug/l
RT: 5.99 min Scan# 1445
Delta R.T. -0.00 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

Instrument :
MSVOA_U
ClientSampleId :
VU0309WBSD01

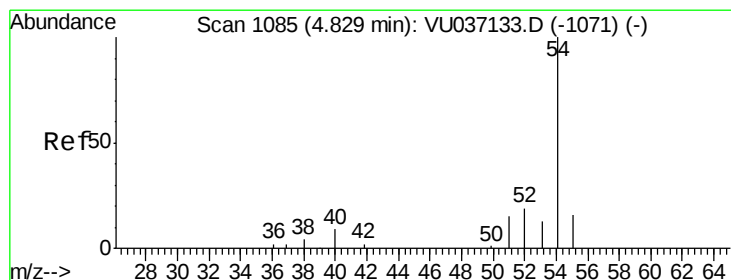
Tot Ion:	73	Resp:	20690
Ion	Ratio	Lower	Upper
73	100		
87	23.4	19.8	29.6
71	11.6	9.1	13.7

Manual Integrations
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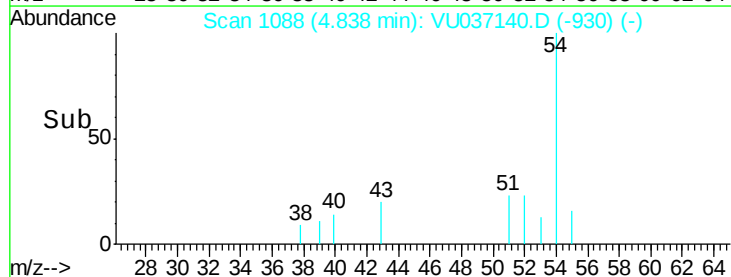
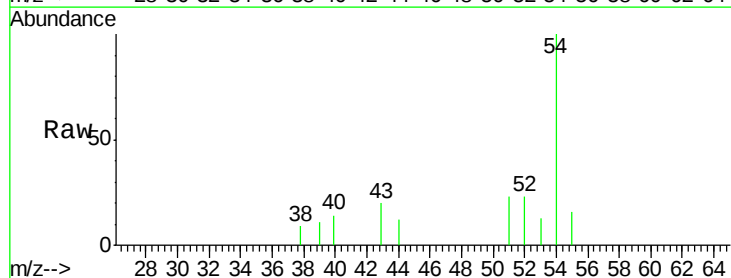
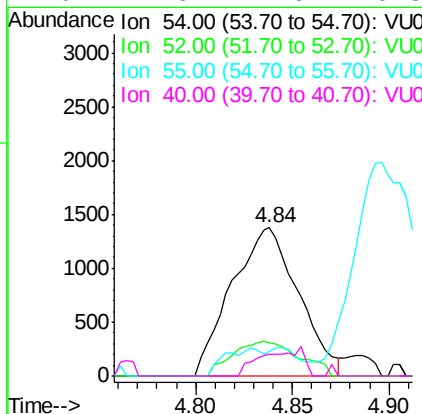
sam

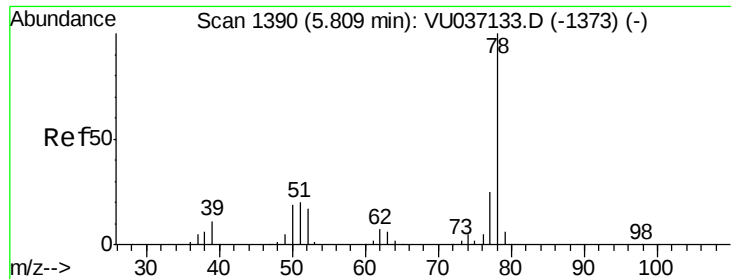
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#34
Propionitrile
Concen: 8.406 ug/l
RT: 4.84 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

Tgt Ion:	54	Resp:	3306
Ion	Ratio	Lower	Upper
54	100		
52	23.4	15.2	22.8#
55	10.6	9.5	14.3
40	11.6	4.6	6.8#





#35

Benzene

Concen: 1.867 ug/l

RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

Instrument :

MSVOA_U

ClientSampleId :

VU0309WBSD01

Tot Ion: 78 Resp: 36258

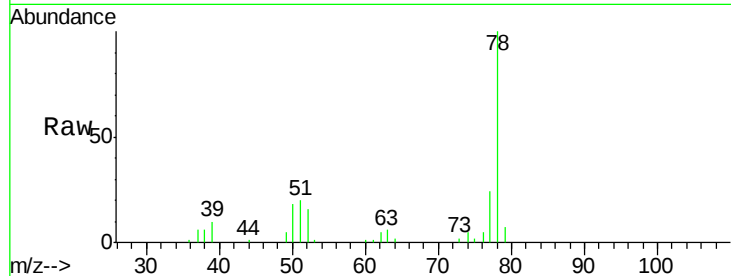
Ion Ratio Lower Upper

78 100

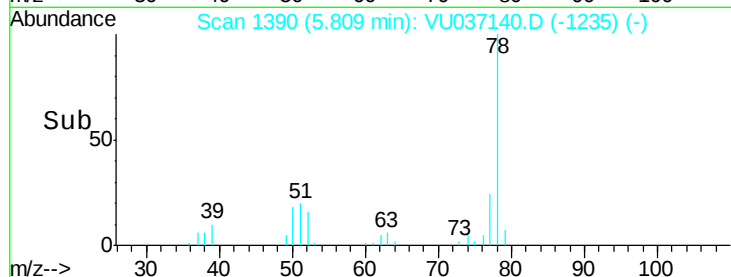
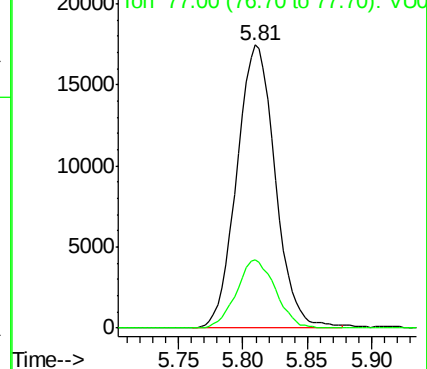
77 24.3 19.4 29.0

Manual Integrations

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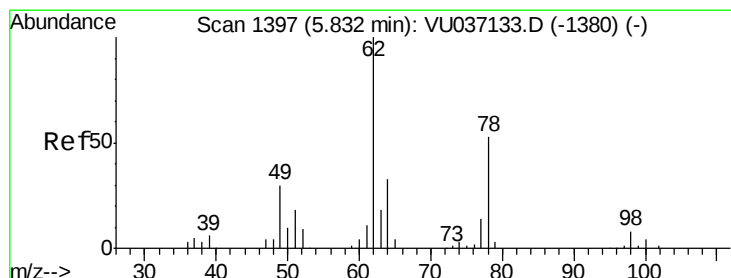


Abundance Ion 78.10 (77.80 to 78.80): VU037140.D (-1235) (-)



sam

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#36

1,2-Dichloroethane

Concen: 1.855 ug/l

RT: 5.84 min Scan# 1398

Delta R.T. 0.00 min

Lab File: VU037140.D

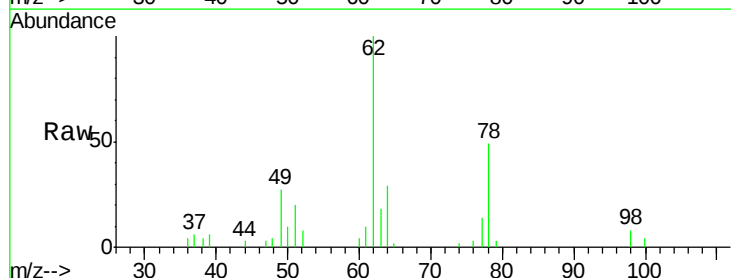
Acq: 09 Mar 2020 18:58

Tgt Ion: 62 Resp: 13053

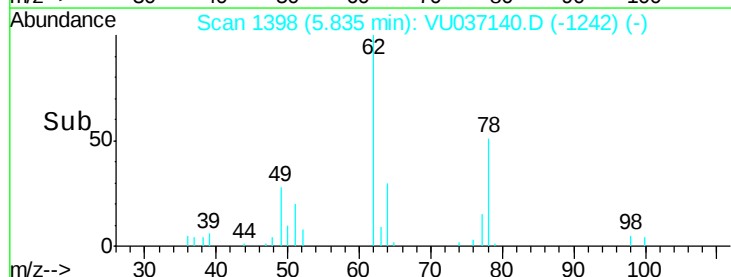
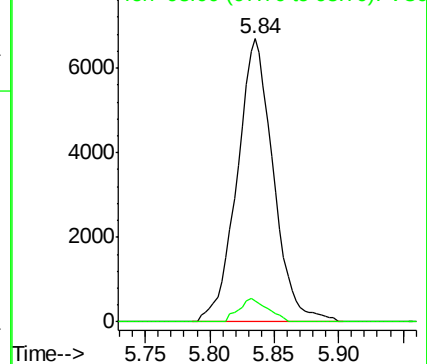
Ion Ratio Lower Upper

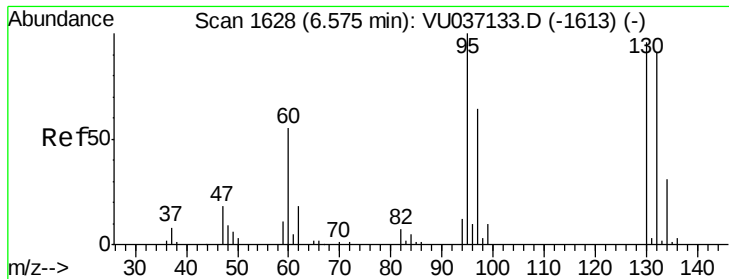
62 100

98 6.6 7.8 11.8#



Abundance Ion 62.00 (61.70 to 62.70): VU037140.D (-1242) (-)



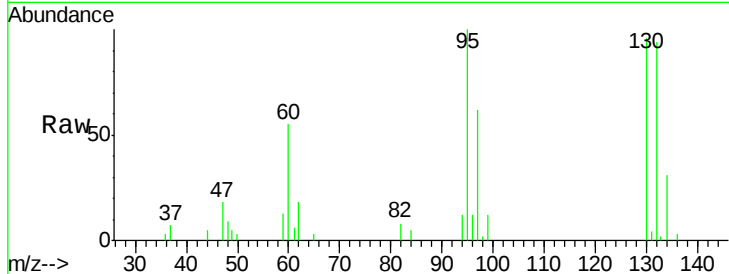


#37
 Trichloroethene
 Concen: 1.782 ug/l
 RT: 6.57 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: VU037140.D
 Acq: 09 Mar 2020 18:58

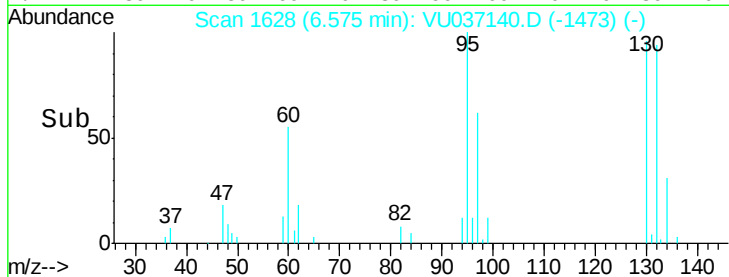
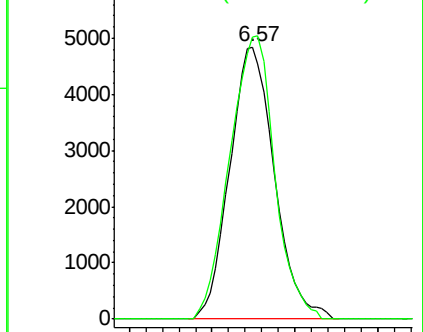
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0309WBSD01

Tot Ion:130 Resp: 9078
 Ion Ratio Lower Upper
 130 100
 95 103.8 77.0 115.4

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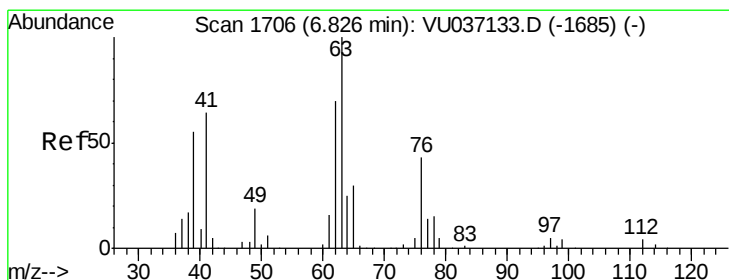


Abundance Ion 129.90 (129.60 to 130.60): VU037140.D (-1473) (-)
 Ion 94.90 (94.60 to 95.60): VU037140.D (-1473) (-)



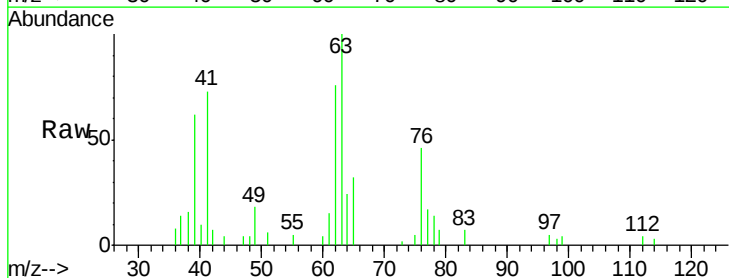
sam

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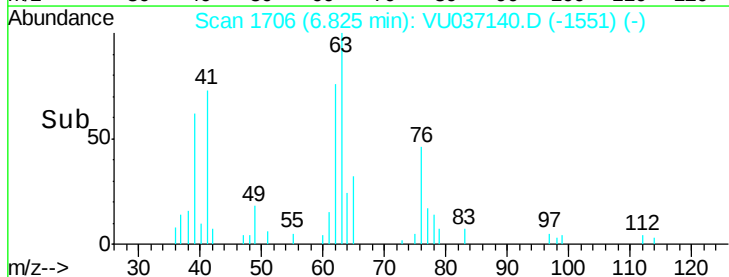
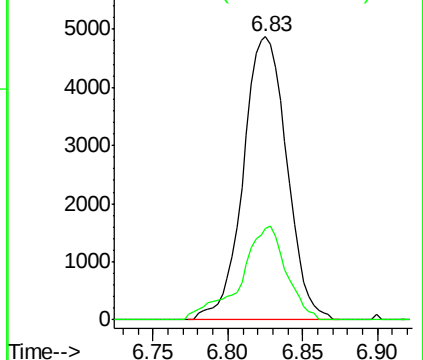


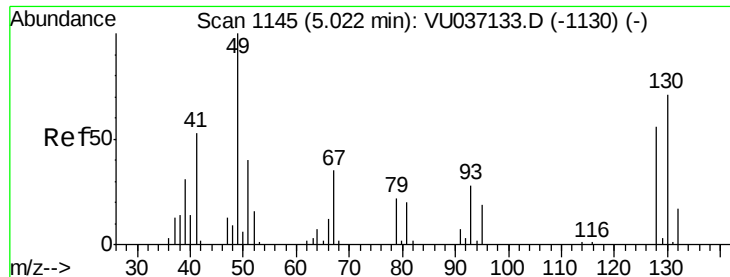
#38
 1,2-Dichloropropane
 Concen: 1.857 ug/l
 RT: 6.83 min Scan# 1706
 Delta R.T. -0.00 min
 Lab File: VU037140.D
 Acq: 09 Mar 2020 18:58

Tgt Ion: 63 Resp: 9895
 Ion Ratio Lower Upper
 63 100
 65 32.2 24.7 37.1



Abundance Ion 63.00 (62.70 to 63.70): VU037140.D (-1551) (-)
 Ion 65.00 (64.70 to 65.70): VU037140.D (-1551) (-)



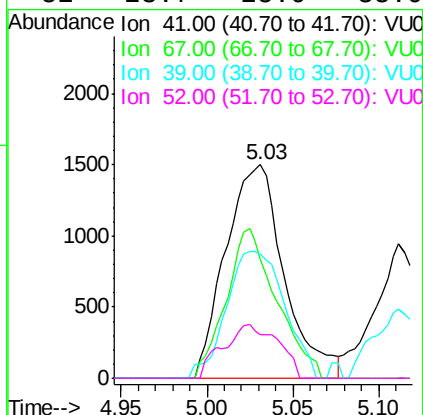
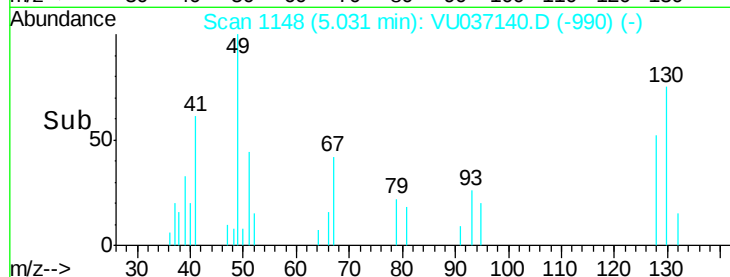
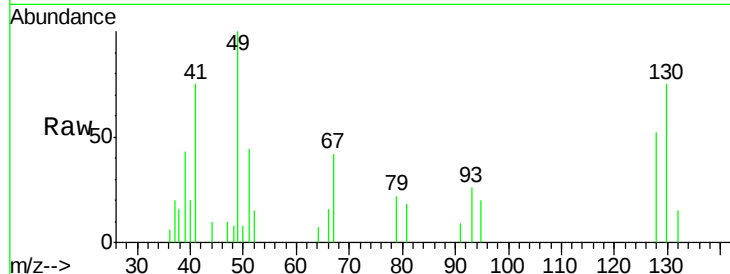


#39
Methacrylonitrile
Concen: 1.873 ug/l
RT: 5.03 min Scan# 1148
Delta R.T. 0.01 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

Instrument :
MSVOA_U
ClientSampleId :
VU0309WBSD01

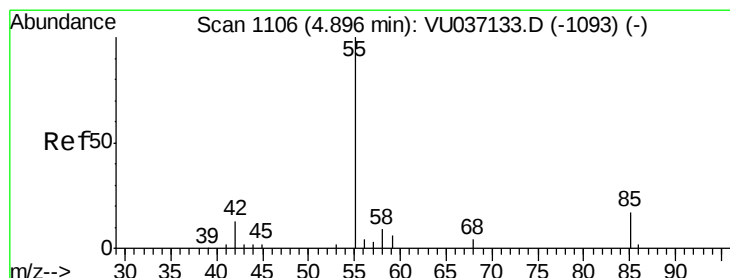
Tot Ion	Ratio	Lower	Upper
41	100		
67	60.4	69.6	104.4#
39	59.3	41.6	62.4
52	23.7	25.9	38.9#

Manual Integrations
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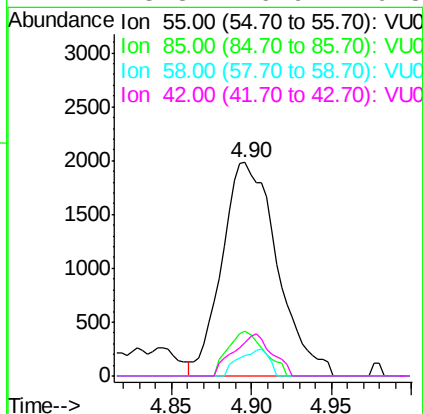
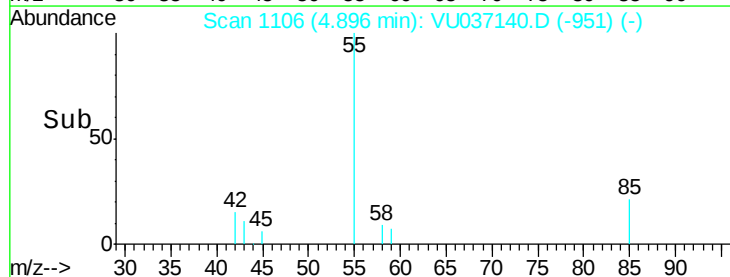
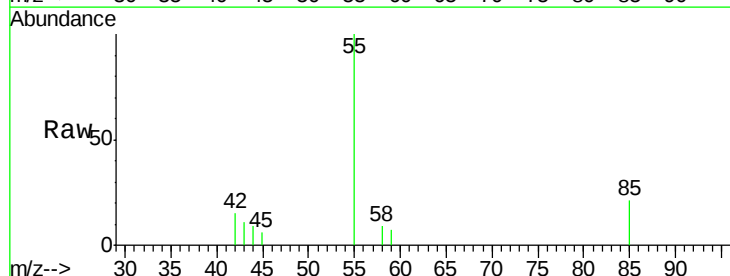
sam

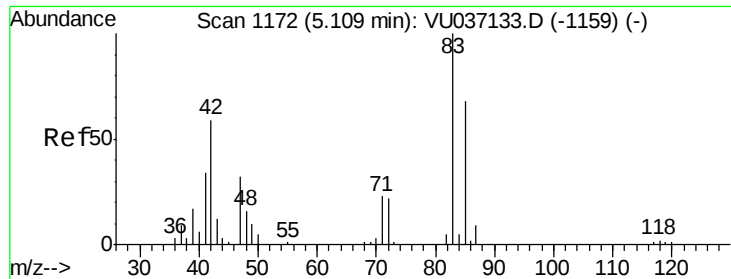
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#40
Methyl acrylate
Concen: 1.788 ug/l
RT: 4.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

Tgt Ion	Ratio	Lower	Upper
55	100		
85	13.9	14.7	22.1#
58	6.7	7.1	10.7#
42	13.3	6.9	10.3#



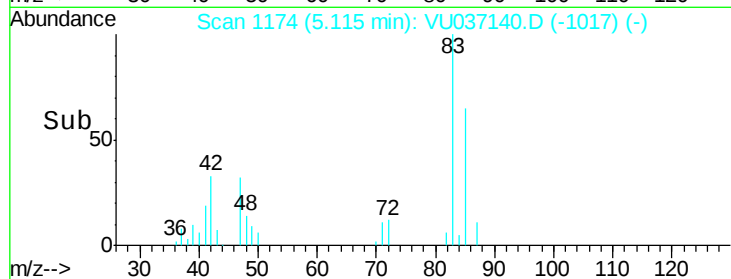
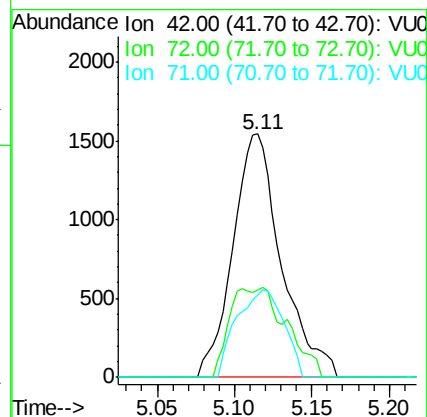
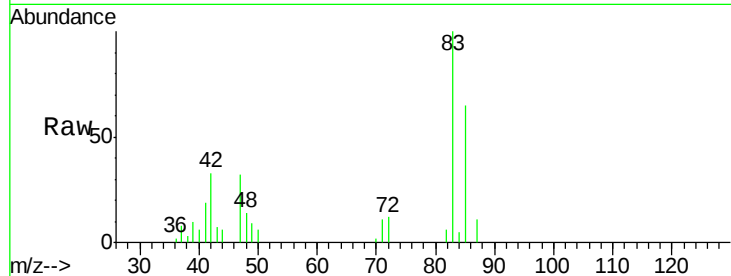


#41
Tetrahydrofuran
Concen: 3.555 ug/l
RT: 5.11 min Scan# 1174
Delta R.T. 0.01 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

Instrument :
MSVOA_U
ClientSampleId :
VU0309WBSD01

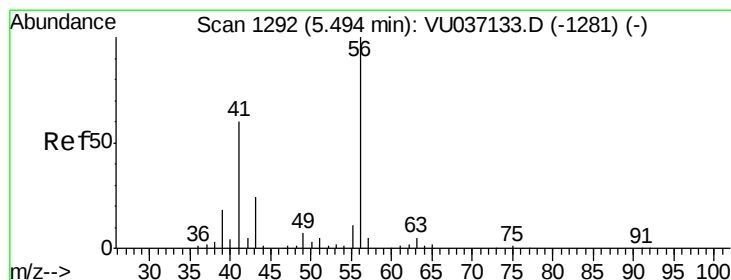
Tot Ion	Ratio	Lower	Upper
42	100		
72	18.7	42.5	63.7#
71	34.8	37.3	55.9#

Manual Integrations
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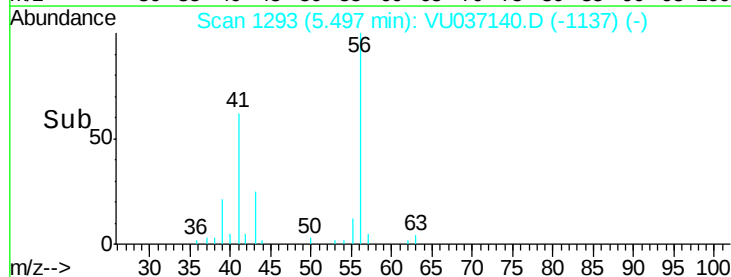
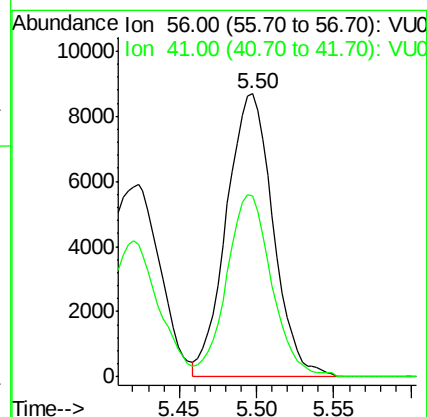
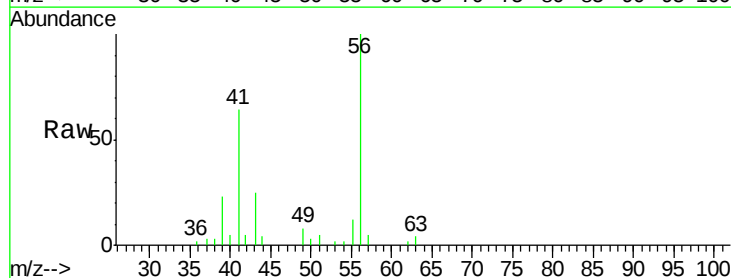
sam

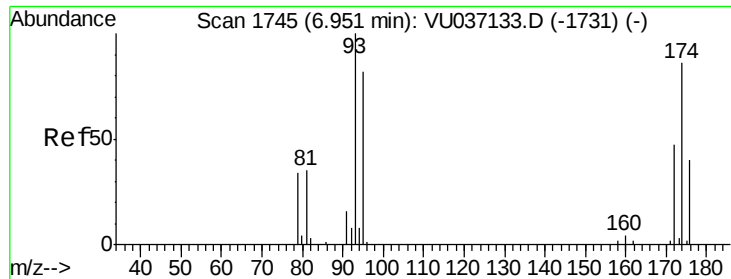
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#42
1-Chlorobutane
Concen: 1.847 ug/l
RT: 5.50 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

Tgt Ion	Ratio	Lower	Upper
56	100		
41	62.0	24.8	74.3



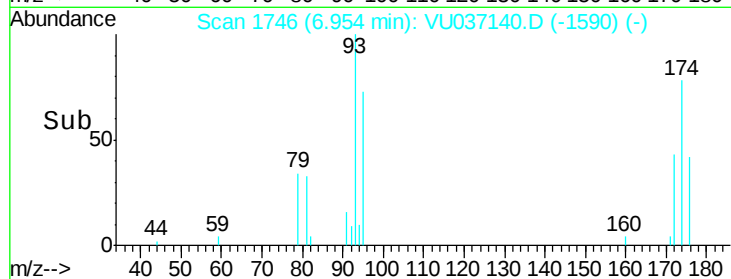
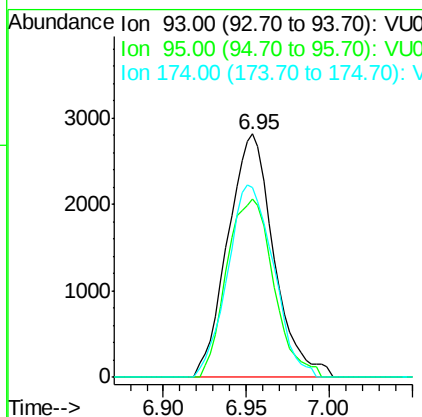
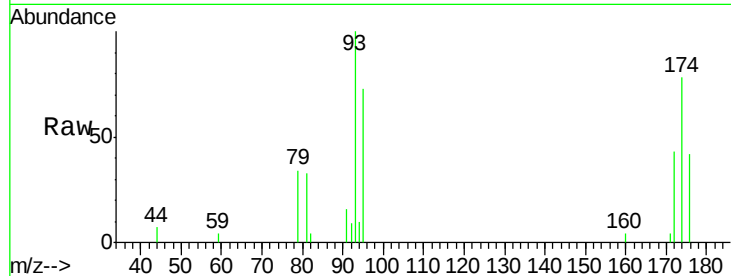


#43
Dibromomethane
Concen: 1.987 ug/l
RT: 6.95 min Scan# 1746
Delta R.T. 0.00 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

Instrument :
MSVOA_U
ClientSampleId :
VU0309WBSD01

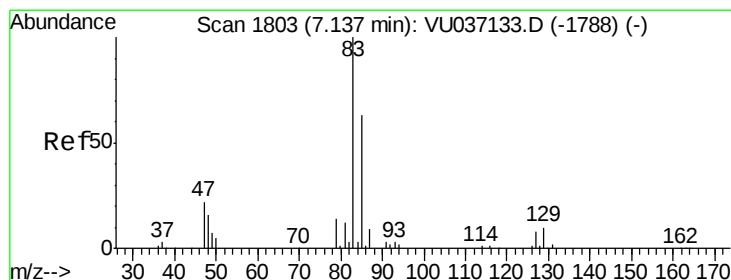
Tot Ion	Ratio	Lower	Upper
93	100		
95	74.8	67.9	101.9
174	79.0	83.4	125.0#

Manual Integrations
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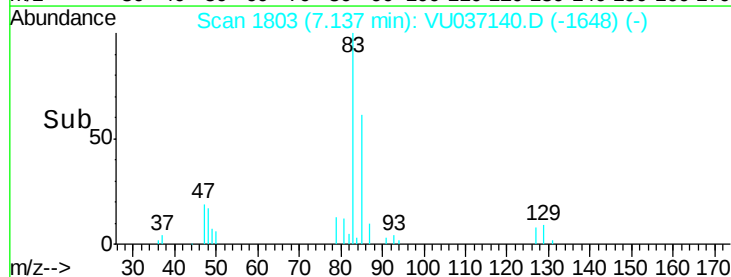
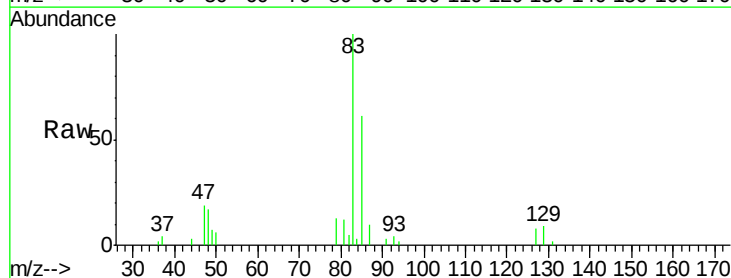
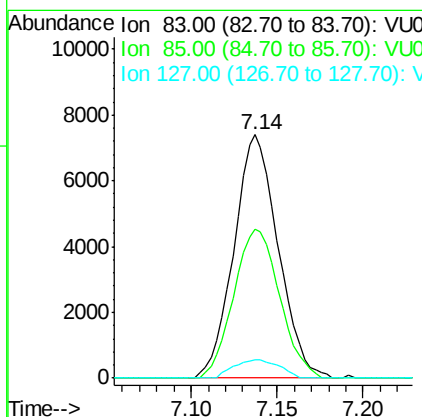
sam

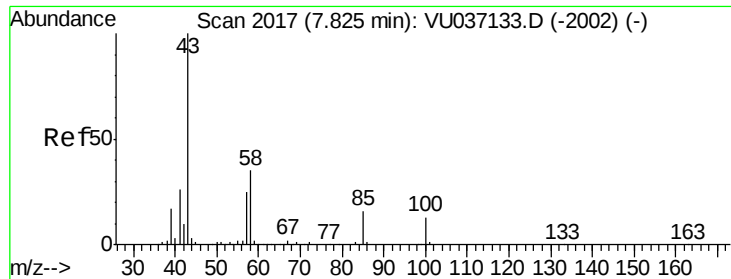
3/10/2020 3:06:53 PM



#44
Bromodichloromethane
Concen: 1.853 ug/l
RT: 7.14 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.2	51.8	77.6
127	7.7	6.8	10.2



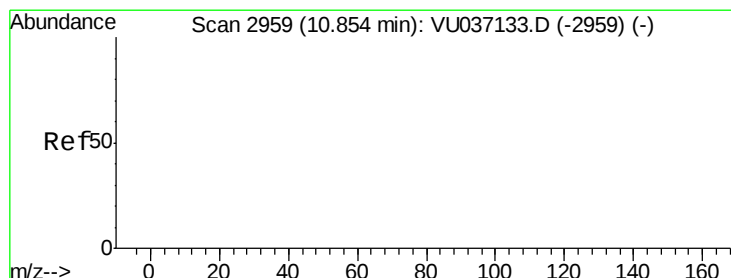
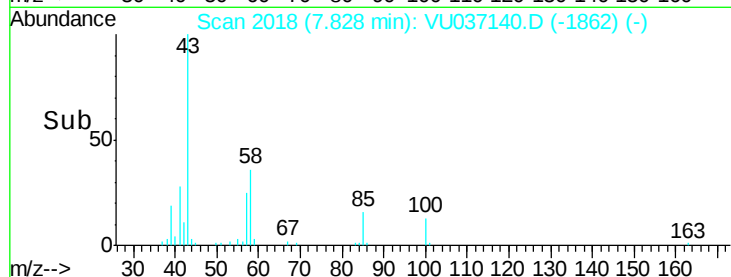
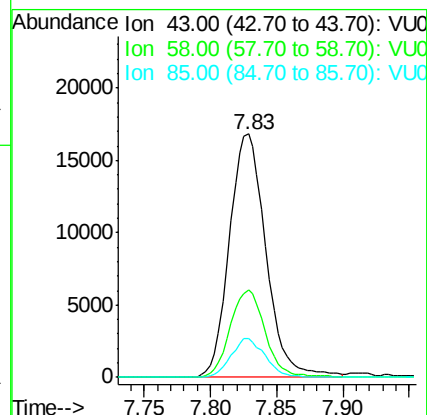
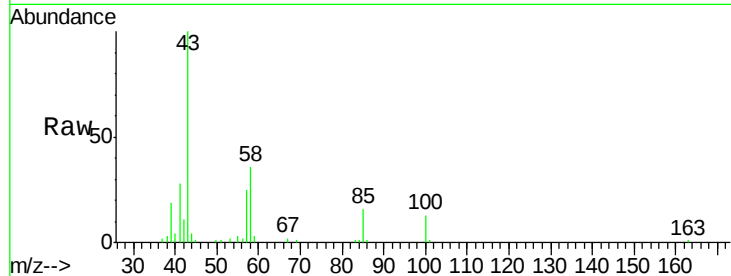


#45
4-Methyl-2-Pentanone
Concen: 8.799 ug/l
RT: 7.83 min Scan# 2018
Delta R.T. 0.00 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

Instrument :
MSVOA_U
ClientSampleId :
VU0309WBSD01

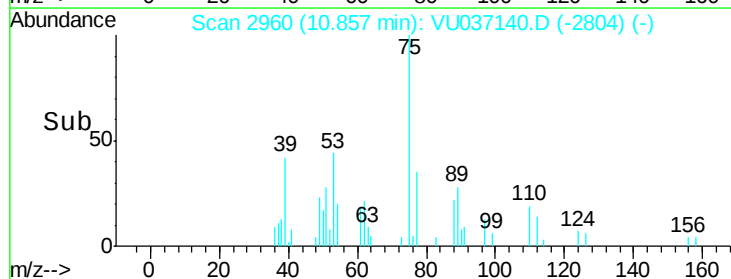
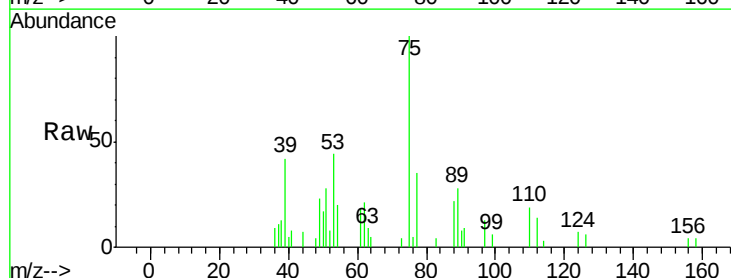
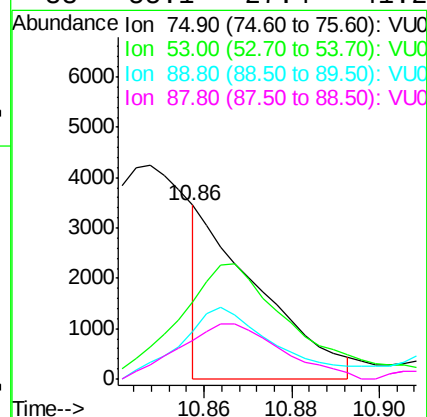
Tot Ion	Ratio	Lower	Upper
43	100		
58	34.1	22.1	66.1
85	14.8	17.4	26.0

Manual Integrations
APPROVED



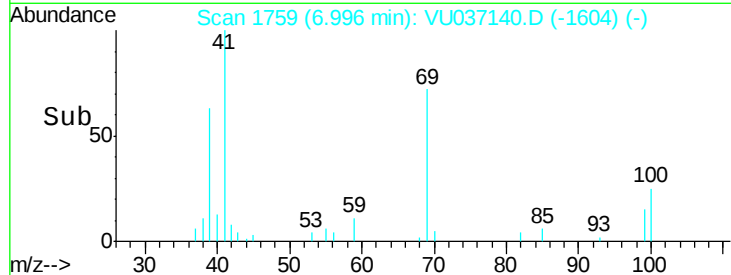
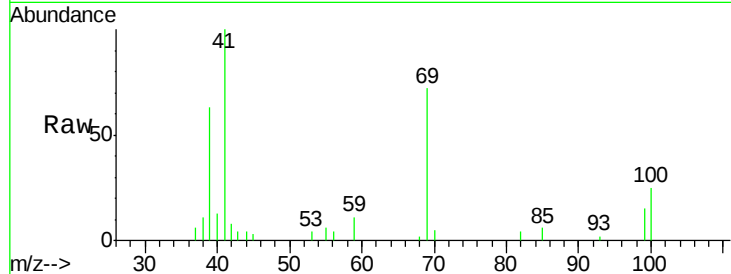
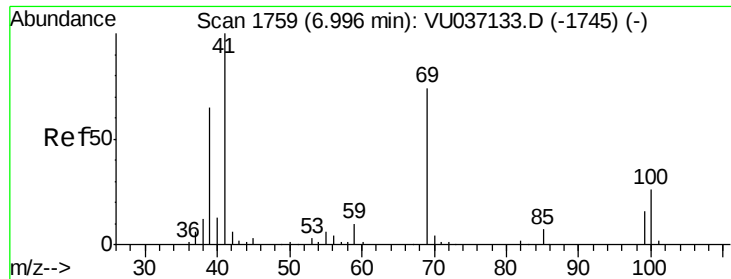
#46
t-1,4-Dichloro-2-butene
Concen: 3.237 ug/l m
RT: 10.86 min Scan# 2960
Delta R.T. 0.00 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

Tgt Ion	Ratio	Lower	Upper
75	100		
53	130.0	52.2	78.2
89	67.6	39.8	59.6
88	55.1	27.4	41.2



sam

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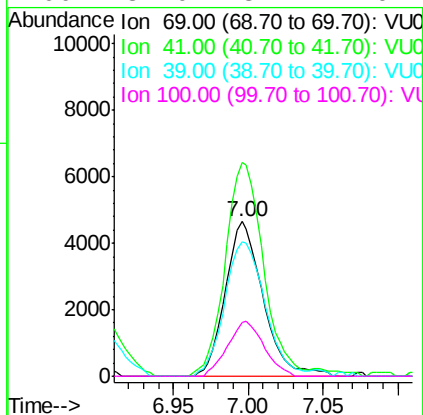


#47
Methyl methacrylate
Concen: 3.614 ug/l
RT: 7.00 min Scan# 1759
Delta R.T. -0.00 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

Tot Ion	Ratio	Lower	Upper
69	100		
41	139.3	0.0	200.8
39	92.5	43.5	65.3
100	34.0	31.1	46.7

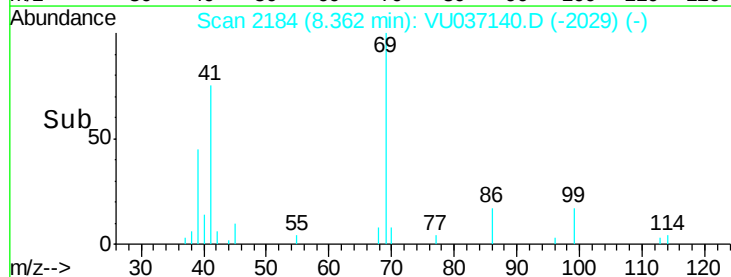
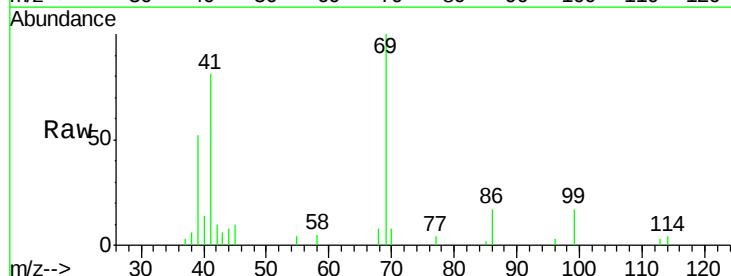
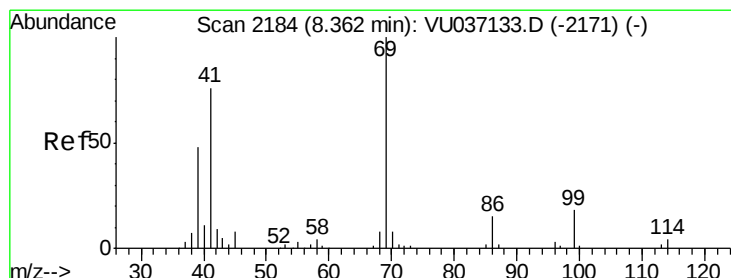
Instrument :
MSVOA_U
ClientSampleId :
VU0309WBSD01

Manual Integrations
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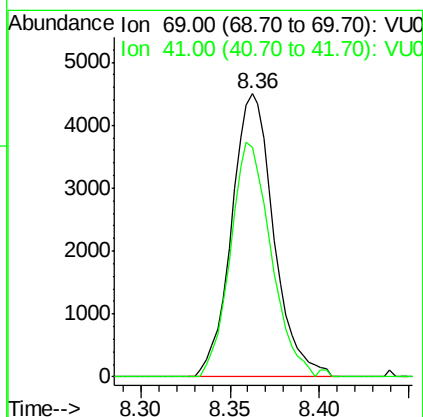
sam

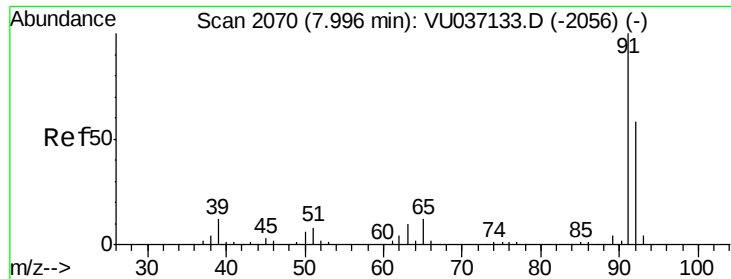
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#48
Ethyl methacrylate
Concen: 1.661 ug/l
RT: 8.36 min Scan# 2184
Delta R.T. -0.00 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

Tgt Ion	Ratio	Lower	Upper
69	100		
41	79.6	27.9	83.6





#49

Toluene

Concen: 1.851 ug/l

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

Instrument :

MSVOA_U

ClientSampleId :

VU0309WBSD01

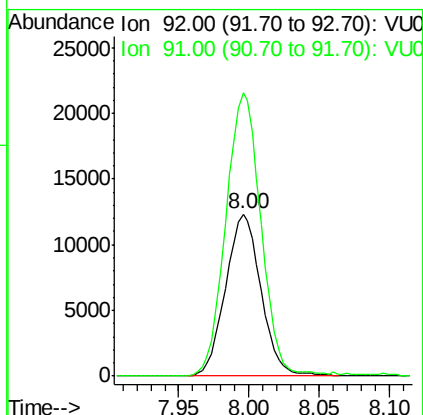
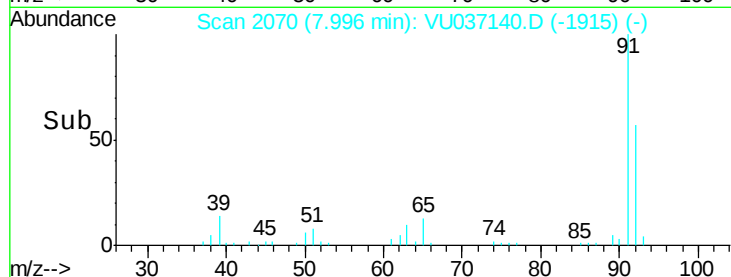
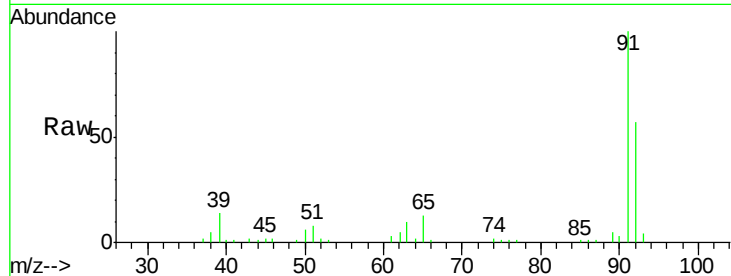
Tot Ion: 92 Resp: 21705

Ion Ratio Lower Upper

92 100

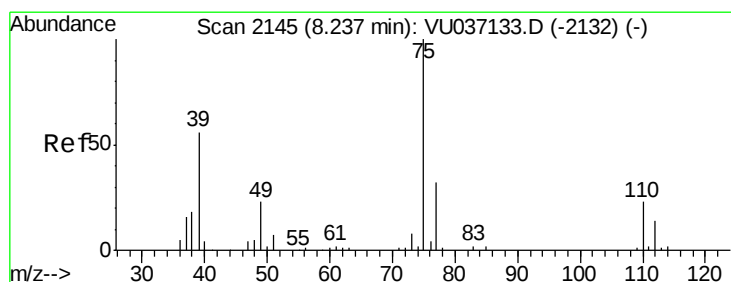
91 172.8 139.1 208.7

Manual Integrations
APPROVED



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#50

t-1,3-Dichloropropene

Concen: 1.803 ug/l

RT: 8.24 min Scan# 2146

Delta R.T. 0.00 min

Lab File: VU037140.D

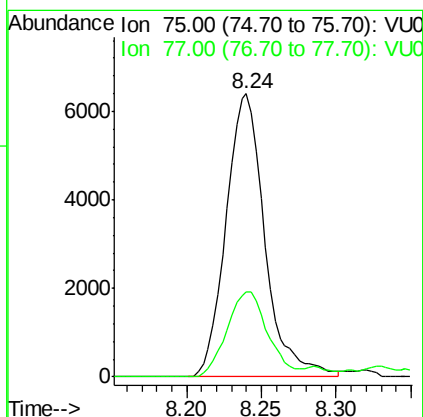
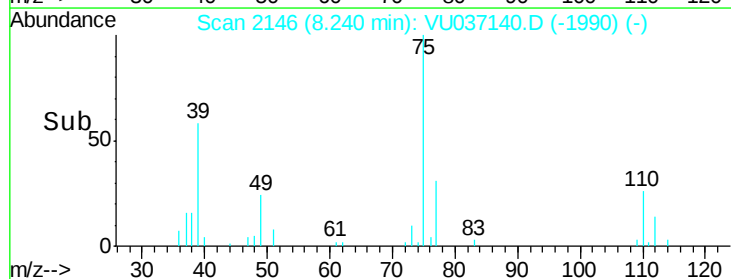
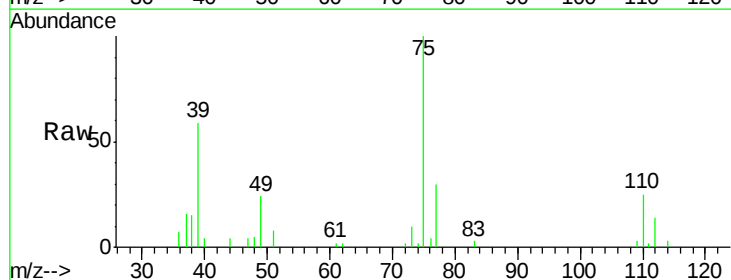
Acq: 09 Mar 2020 18:58

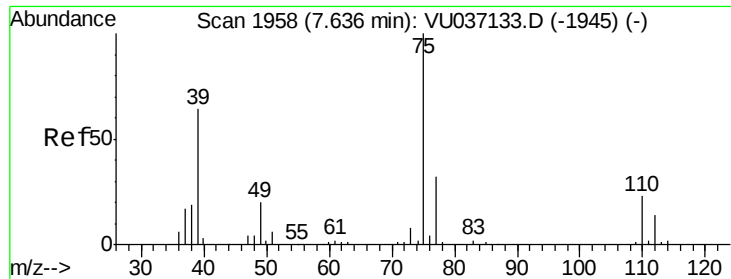
Tgt Ion: 75 Resp: 11553

Ion Ratio Lower Upper

75 100

77 30.0 25.4 38.2



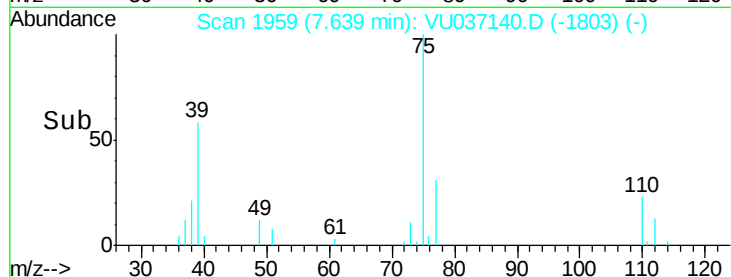
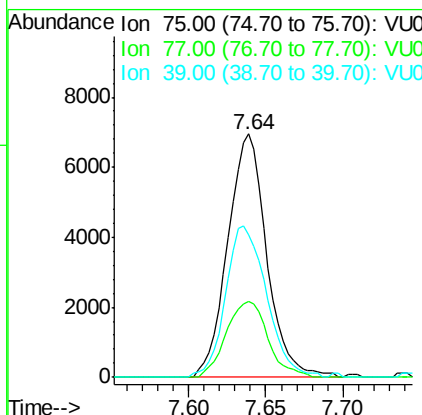
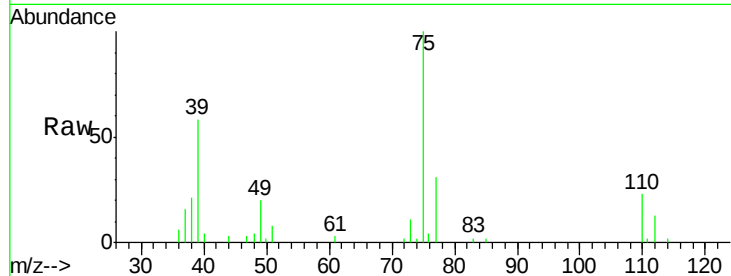


#51
 cis-1,3-Dichloropropene
 Concen: 1.661 ug/l
 RT: 7.64 min Scan# 1959
 Delta R.T. 0.00 min
 Lab File: VU037140.D
 Acq: 09 Mar 2020 18:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0309WBSD01

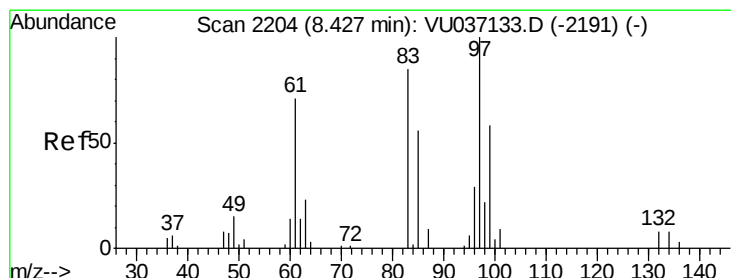
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.3	37.9
39	58.4	31.8	47.6

Manual Integrations
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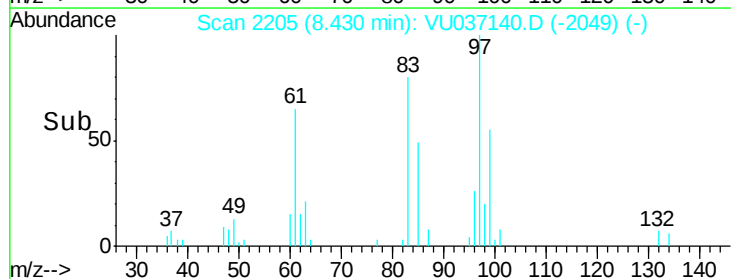
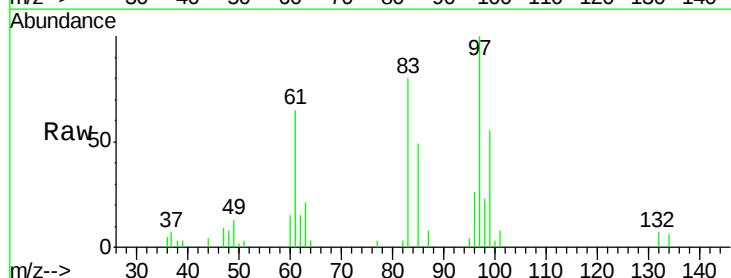
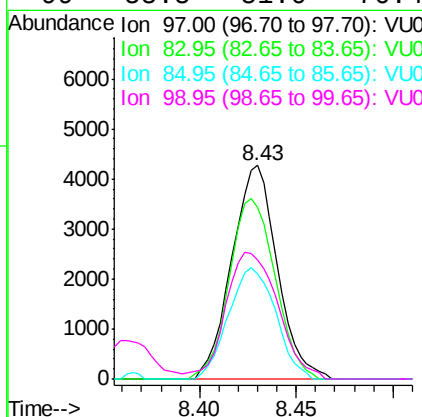
sam

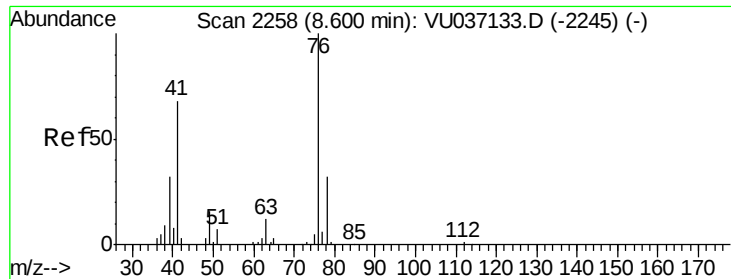
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#52
 1,1,2-Trichloroethane
 Concen: 1.915 ug/l
 RT: 8.43 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VU037140.D
 Acq: 09 Mar 2020 18:58

Tgt Ion	Ratio	Lower	Upper
97	100		
83	80.4	70.9	106.3
85	49.2	45.6	68.4
99	55.5	51.0	76.4



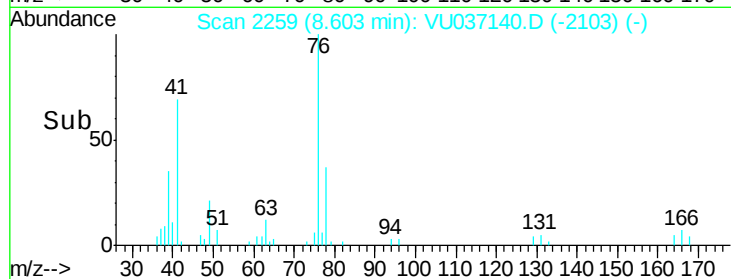
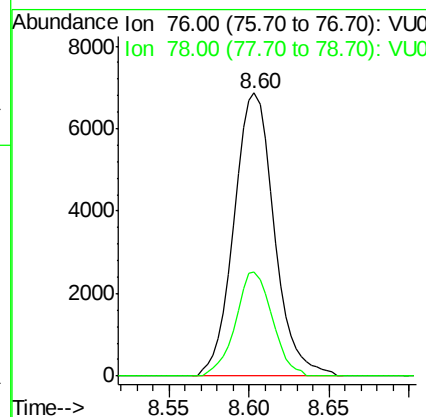
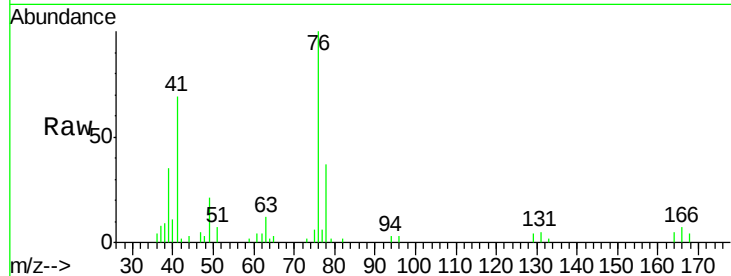


#53
 1,3-Dichloropropane
 Concen: 1.823 ug/l
 RT: 8.60 min Scan# 2259
 Delta R.T. 0.00 min
 Lab File: VU037140.D
 Acq: 09 Mar 2020 18:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0309WBSD01

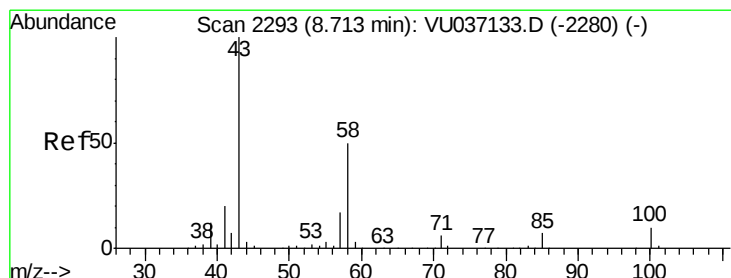
Tot Ion	Ratio	Lower	Upper
76	100		
78	33.3	25.4	38.2

Manual Integrations
 APPROVED



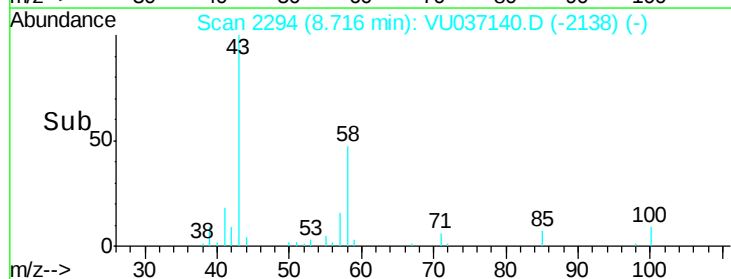
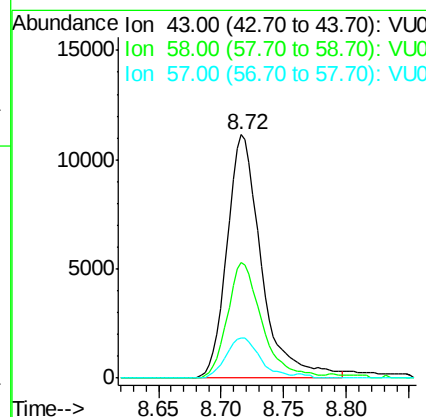
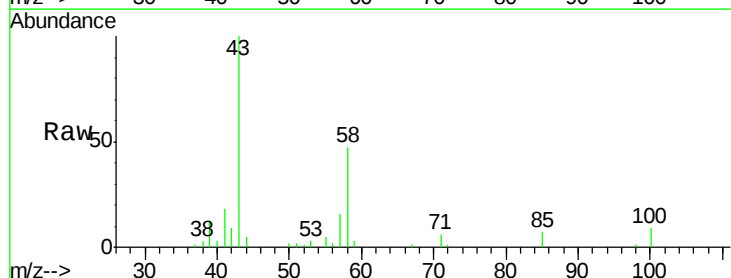
sam

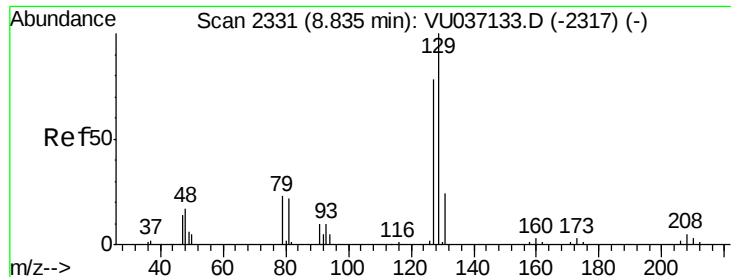
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#54
 2-Hexanone
 Concen: 8.483 ug/l
 RT: 8.72 min Scan# 2294
 Delta R.T. 0.00 min
 Lab File: VU037140.D
 Acq: 09 Mar 2020 18:58

Tgt Ion	Ratio	Lower	Upper
43	100		
58	47.4	40.6	80.6
57	16.3	1.2	41.2



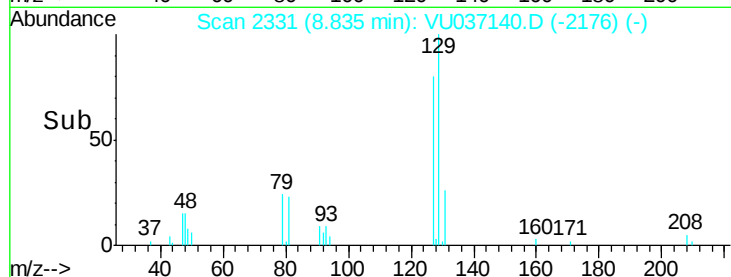
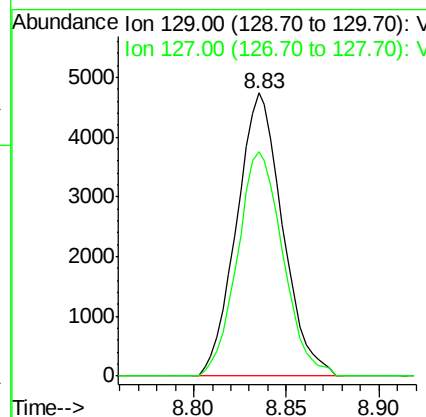
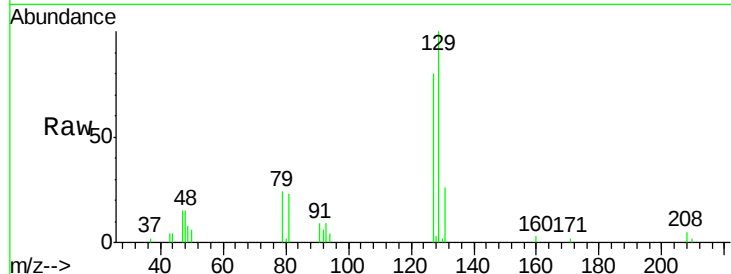


#55
Dibromochloromethane
Concen: 1.804 ug/l
RT: 8.83 min Scan# 2331
Delta R.T. -0.00 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

Instrument :
MSVOA_U
ClientSampleId :
VU0309WBSD01

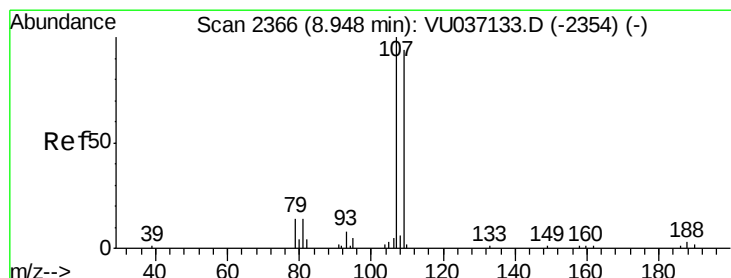
Tot Ion	Ratio	Lower	Upper
129	100		
127	78.5	62.6	94.0

Manual Integrations
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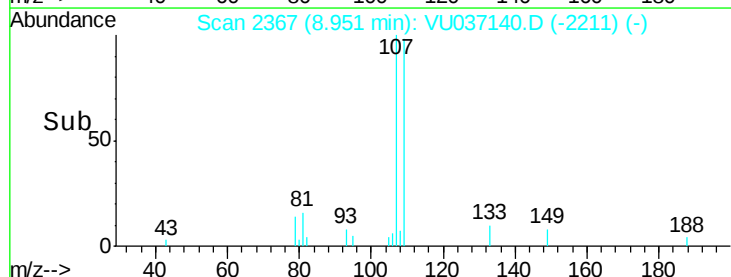
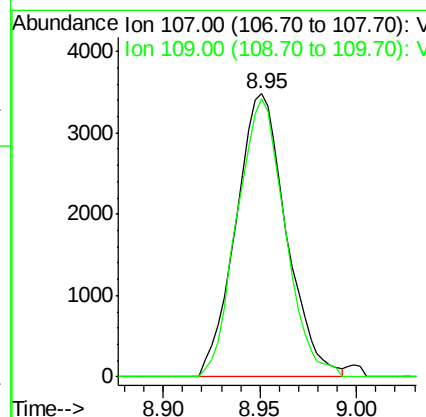
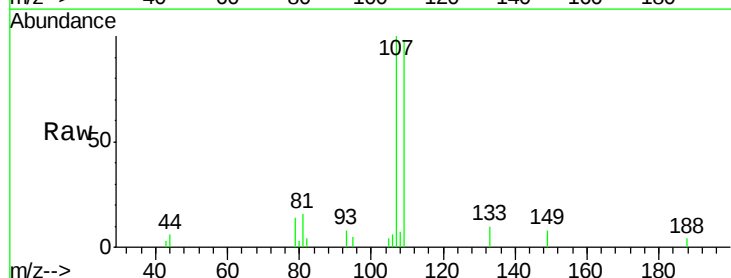
sam

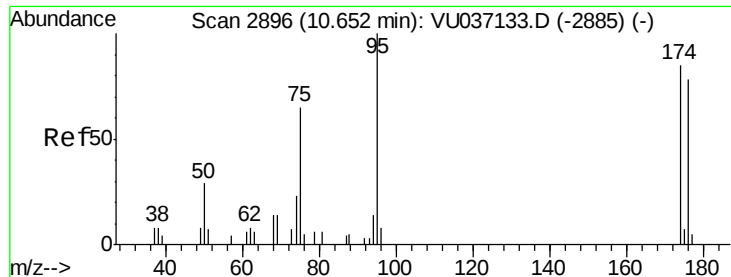
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#56
1,2-Dibromoethane
Concen: 1.831 ug/l
RT: 8.95 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.1	0.0	190.8





#57

4-Bromofluorobenzene

Concen: 0.932 ug/l

RT: 10.65 min Scan# 2896

Delta R.T. -0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

Instrument :

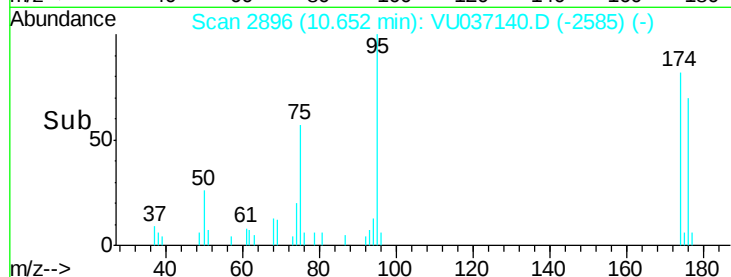
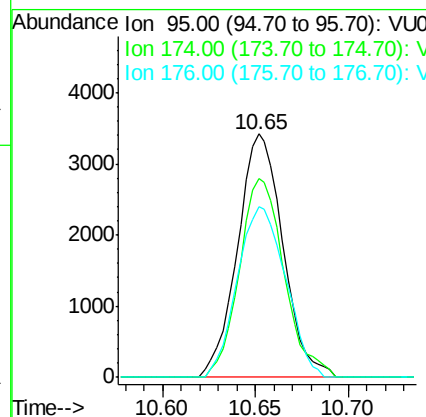
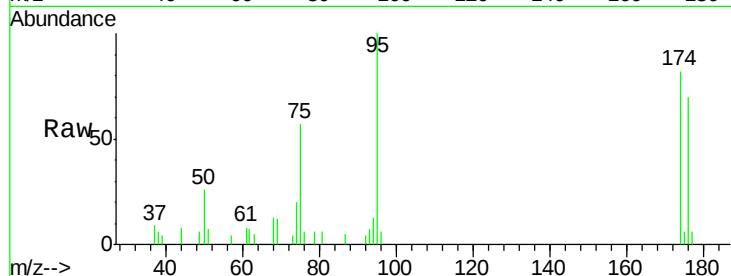
MSVOA_U

ClientSampleId :

VU0309WBSD01

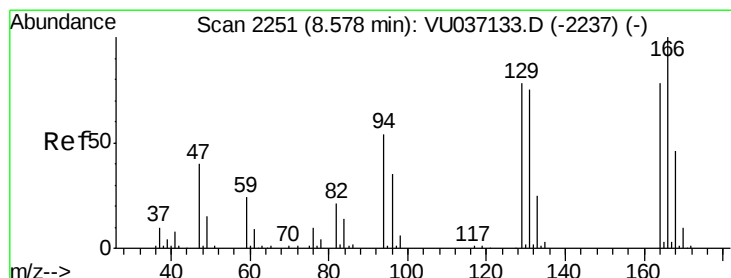
Tot Ion:	95	Resp:	5804
Ion	Ratio	Lower	Upper
95	100		
174	80.5	64.7	97.1
176	74.3	60.6	91.0

Manual Integrations
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#58

Tetrachloroethene

Concen: 1.797 ug/l

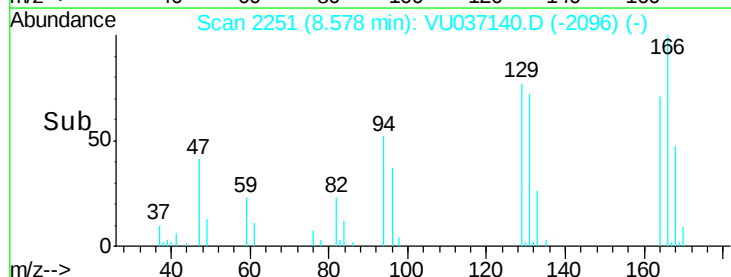
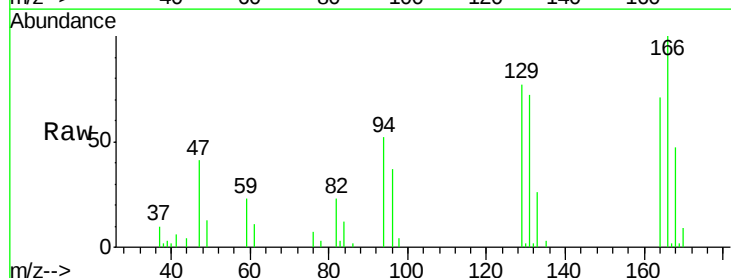
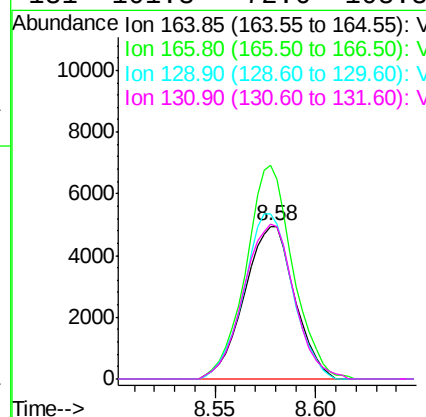
RT: 8.58 min Scan# 2251

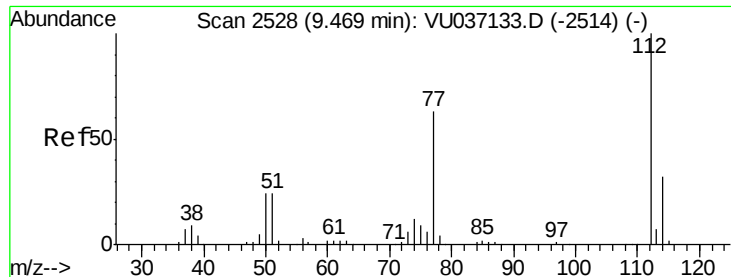
Delta R.T. -0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

Tgt Ion:	164	Resp:	8593
Ion	Ratio	Lower	Upper
164	100		
166	140.0	102.0	153.0
129	108.0	74.9	112.3
131	101.3	72.6	108.8





#59

Chlorobenzene

Concen: 1.779 ug/l

RT: 9.47 min Scan# 2528

Delta R.T. -0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

Instrument :

MSVOA_U

ClientSampleId :

VU0309WBSD01

Tot Ion:112 Resp: 23285

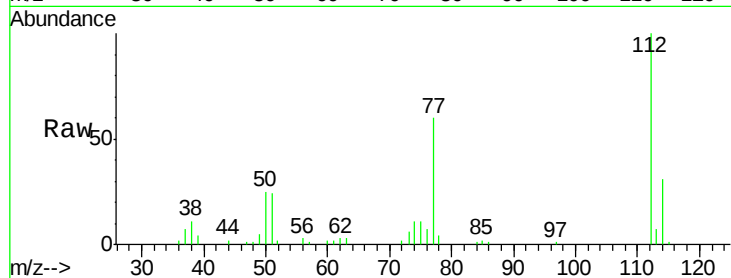
Ion Ratio Lower Upper

112 100

114 31.4 25.8 38.8

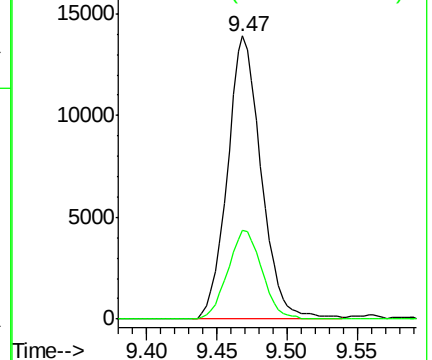
Manual Integrations

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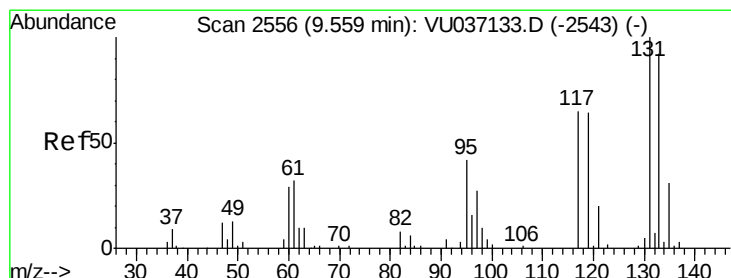
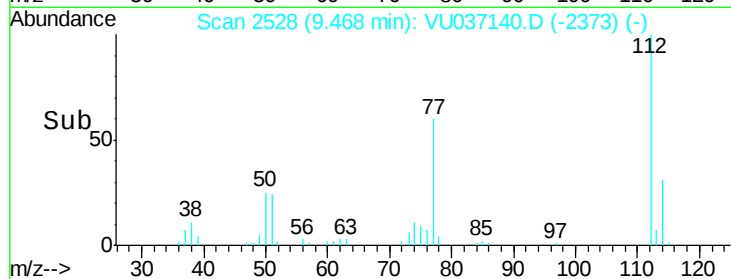
Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



sam

3/10/2020 3:06:53 PM



#60

1,1,1,2-Tetrachloroethane

Concen: 1.849 ug/l

RT: 9.56 min Scan# 2556

Delta R.T. -0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

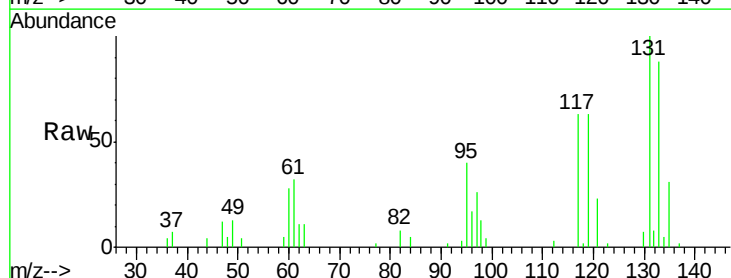
Tgt Ion:131 Resp: 8857

Ion Ratio Lower Upper

131 100

133 96.1 76.4 114.6

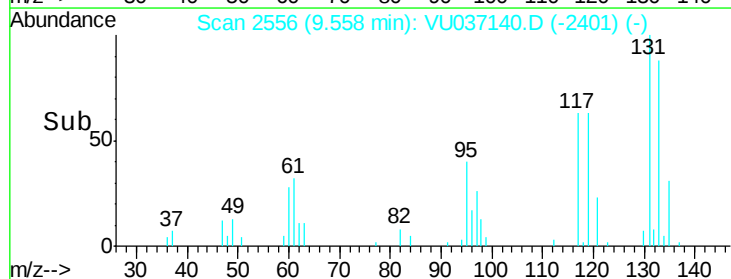
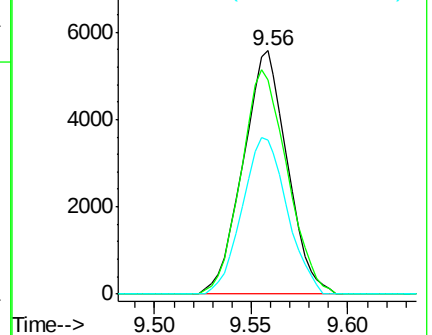
119 65.1 56.6 85.0

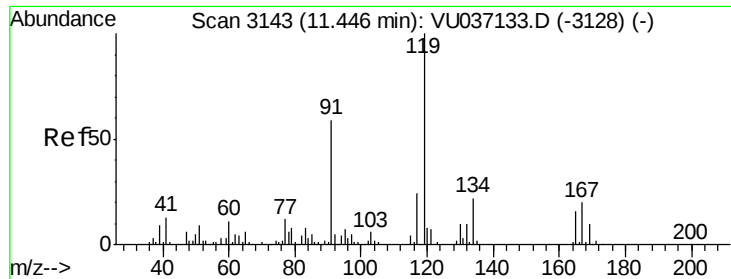


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



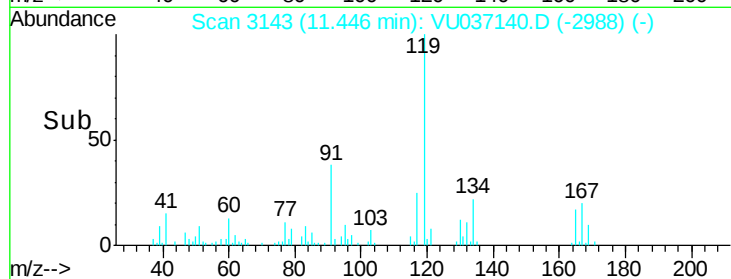
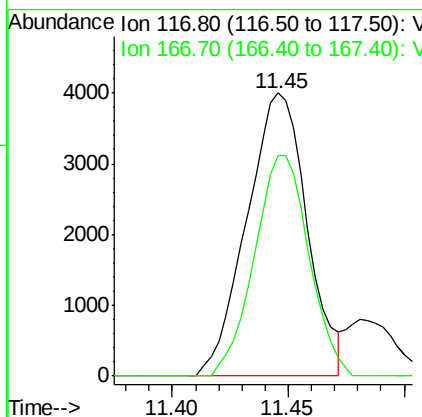
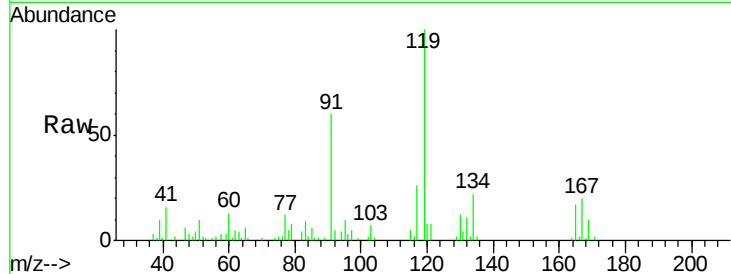


#61
 Pentachloroethane
 Concen: 1.975 ug/l
 RT: 11.45 min Scan# 3143
 Delta R.T. -0.00 min
 Lab File: VU037140.D
 Acq: 09 Mar 2020 18:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0309WBSD01

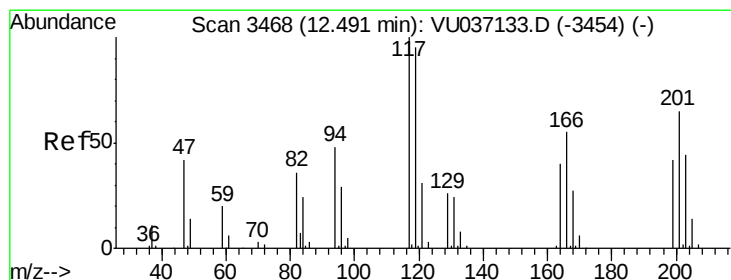
Tot Ion:117 Resp: 7219
 Ion Ratio Lower Upper
 117 100
 167 70.6 66.7 100.1

Manual Integrations
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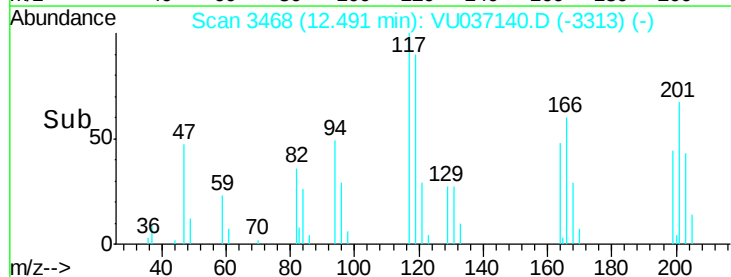
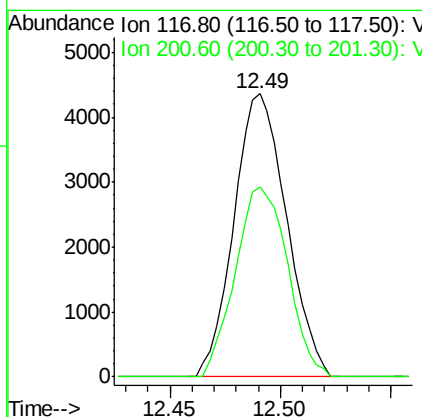
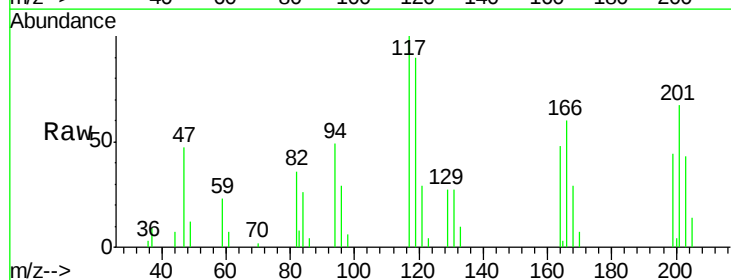
sam

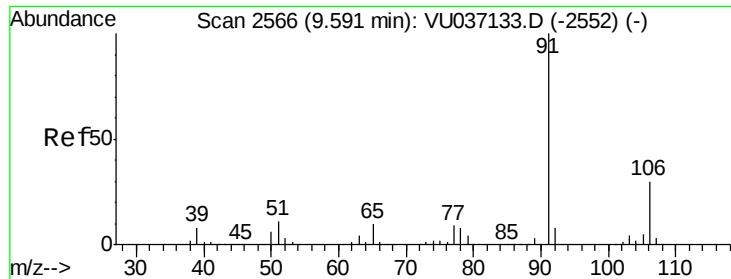
3/10/2020 3:06:53 PM



#62
 Hexachloroethane
 Concen: 1.847 ug/l
 RT: 12.49 min Scan# 3468
 Delta R.T. -0.00 min
 Lab File: VU037140.D
 Acq: 09 Mar 2020 18:58

Tgt Ion:117 Resp: 7225
 Ion Ratio Lower Upper
 117 100
 201 66.8 65.0 97.4



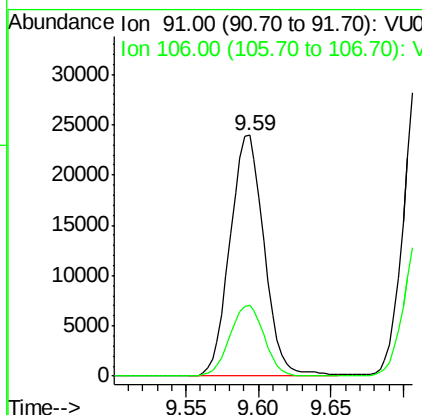
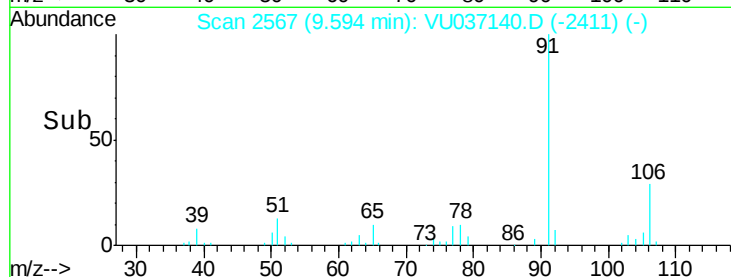
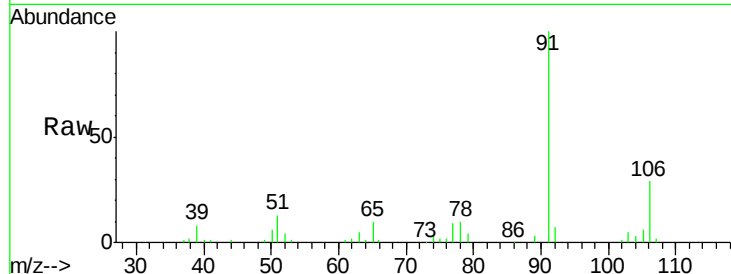


#63
Ethyl Benzene
Concen: 1.758 ug/l
RT: 9.59 min Scan# 2567
Delta R.T. 0.00 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

Instrument :
MSVOA_U
ClientSampleId :
VU0309WBSD01

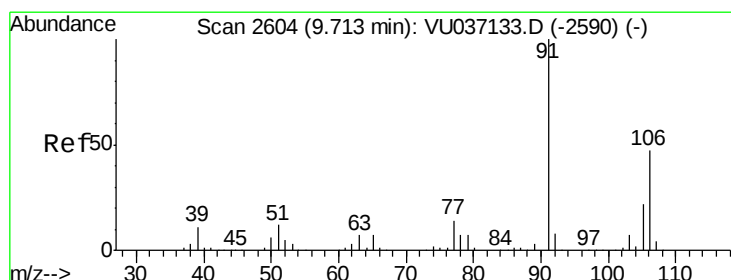
Tot Ion: 91 Resp: 39272
Ion Ratio Lower Upper
91 100
106 29.2 26.0 39.0

Manual Integrations
APPROVED



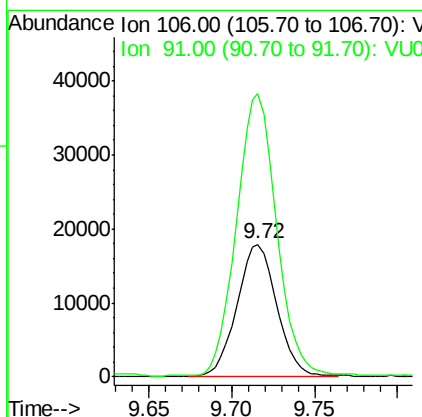
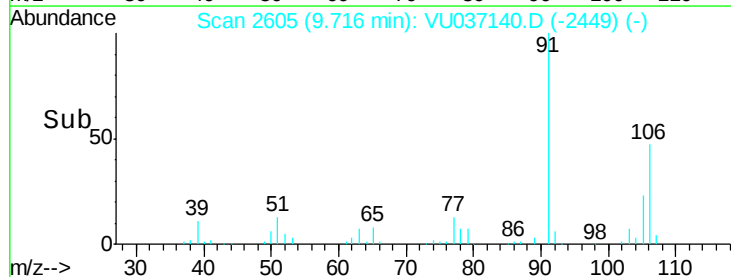
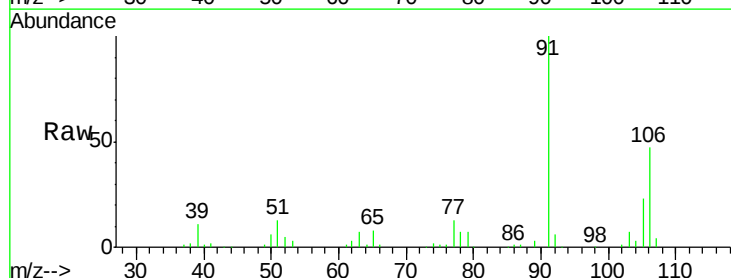
sam

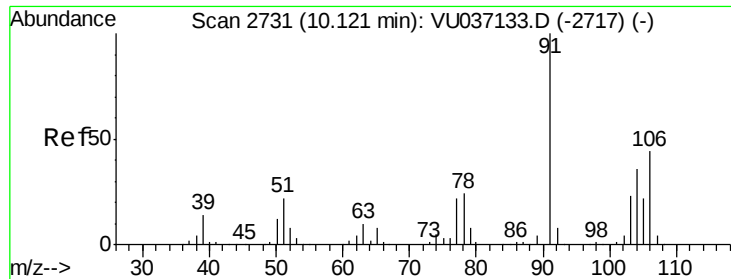
3/10/2020 3:06:53 PM



#64
m/p-Xylenes
Concen: 3.552 ug/l
RT: 9.72 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

Tgt Ion: 106 Resp: 30035
Ion Ratio Lower Upper
106 100
91 214.3 158.2 237.4





#65

o-Xylene

Concen: 1.830 ug/l

RT: 10.12 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

Instrument :

MSVOA_U

ClientSampleId :

VU0309WBSD01

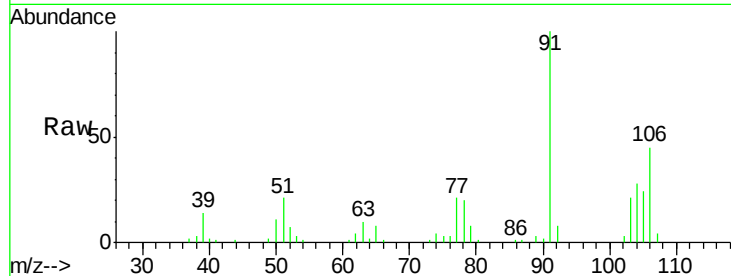
Tot Ion:106 Resp: 14929

Ion Ratio Lower Upper

106 100

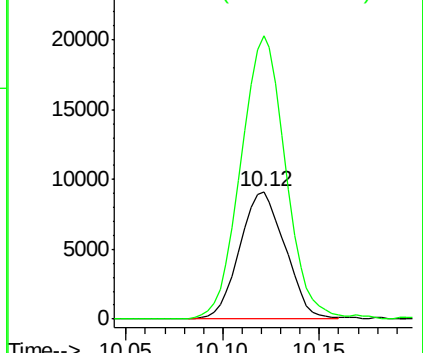
91 218.4 104.3 312.9

Manual Integrations
APPROVED



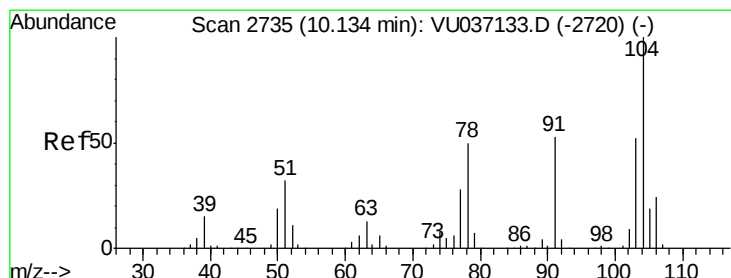
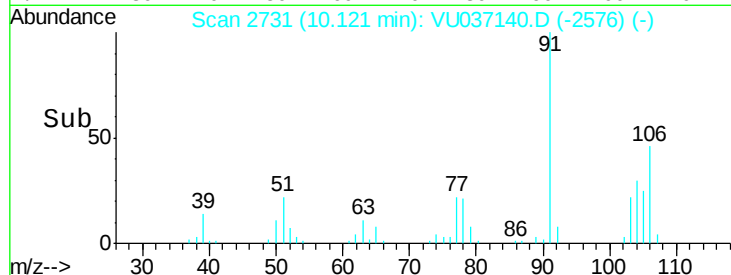
Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



sam

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#66

Styrene

Concen: 1.790 ug/l

RT: 10.13 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

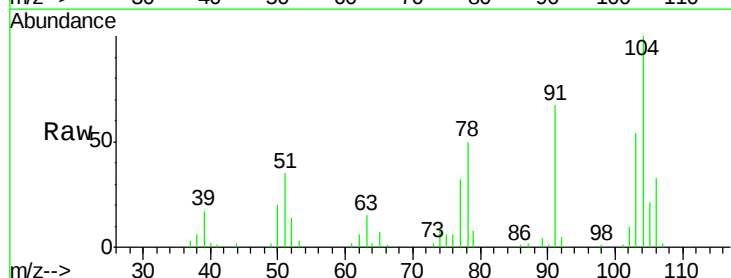
Tgt Ion:104 Resp: 23911

Ion Ratio Lower Upper

104 100

78 52.7 38.6 57.8

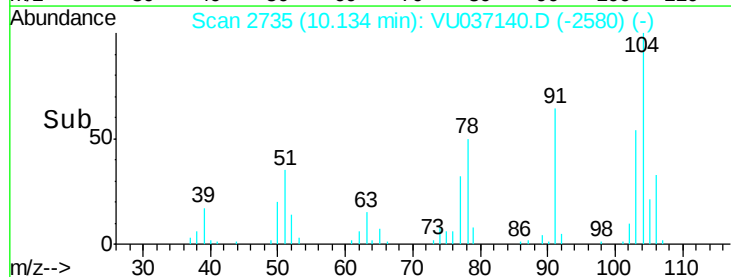
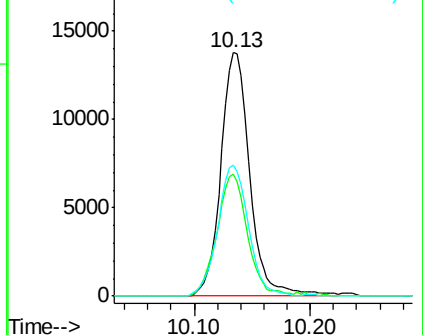
103 56.8 44.4 66.6

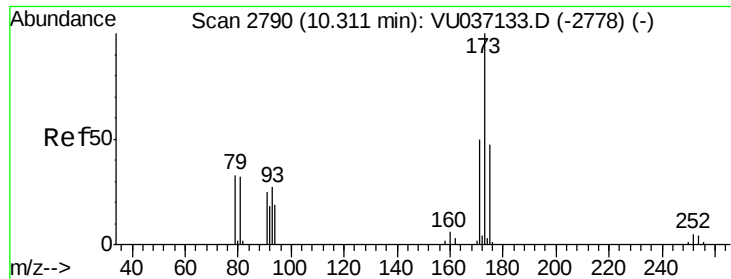


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V



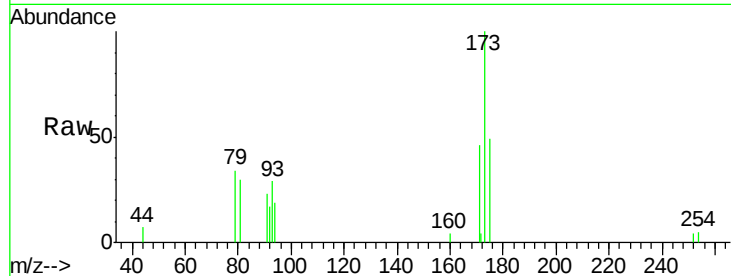


#67
Bromoform
Concen: 1.976 ug/l
RT: 10.31 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

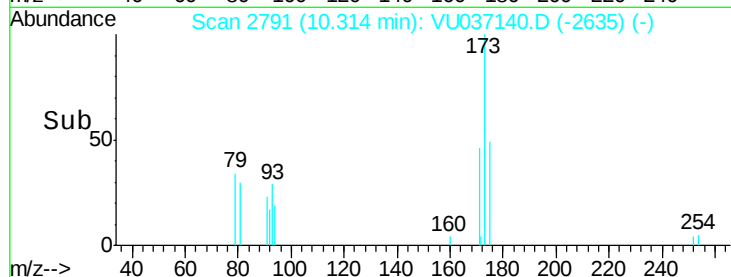
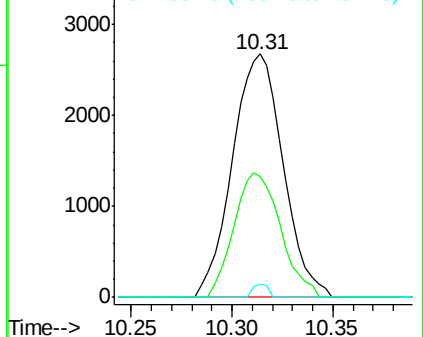
Instrument :
MSVOA_U
ClientSampled :
VU0309WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.0	38.3	57.5
254	1.6	6.6	9.8

Manual Integrations
APPROVED

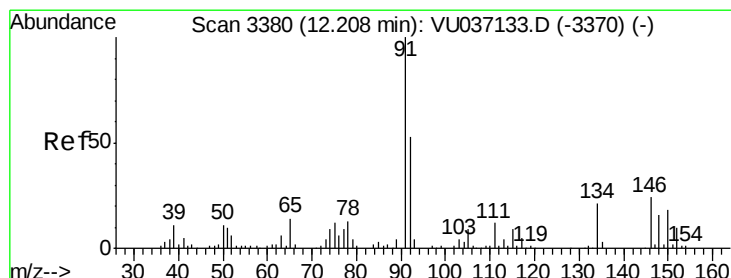


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



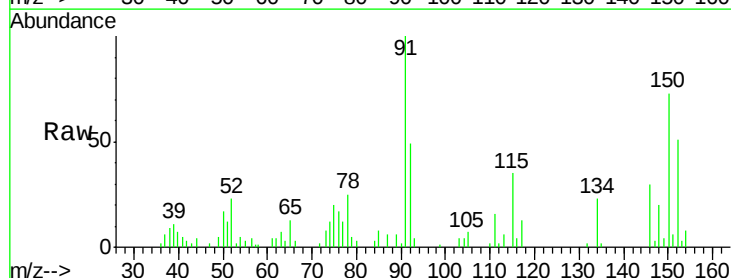
sam

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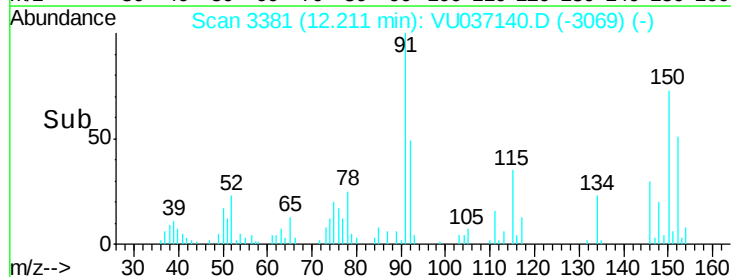
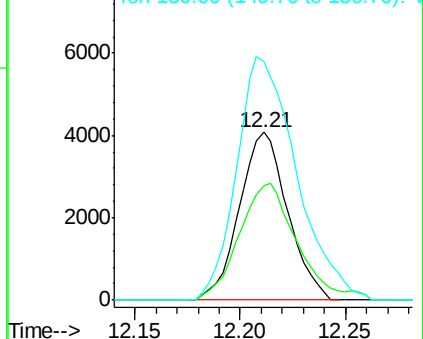


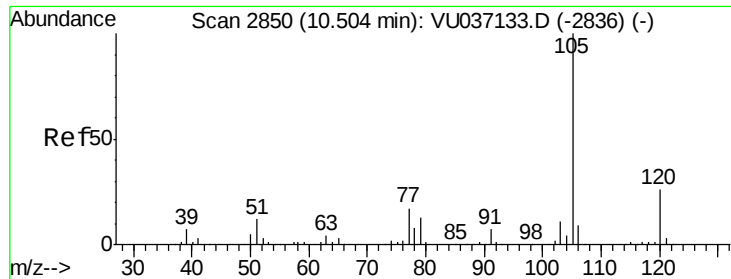
#68
1,2-Dichlorobenzene-d4
Concen: 1.020 ug/l
RT: 12.21 min Scan# 3381
Delta R.T. 0.00 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	83.1	0.0	241.8
150	179.7	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: 1.774 ug/l

RT: 10.50 min Scan# 2850

Delta R.T. -0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

Instrument :

MSVOA_U

ClientSampleId :

VU0309WBSD01

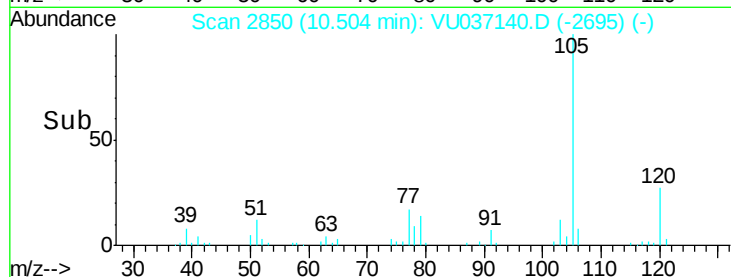
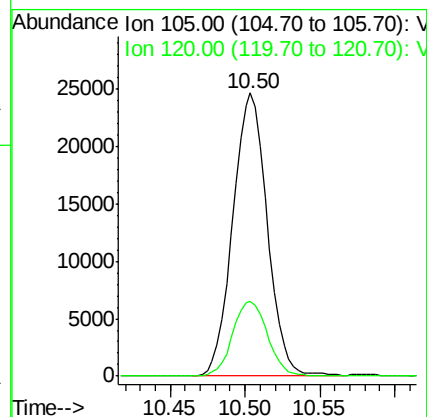
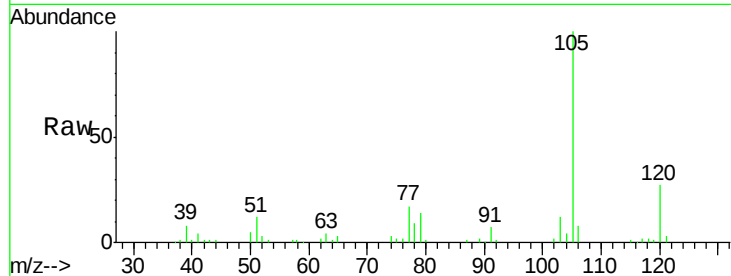
Tot Ion: 105 Resp: 39452

Ion Ratio Lower Upper

105 100

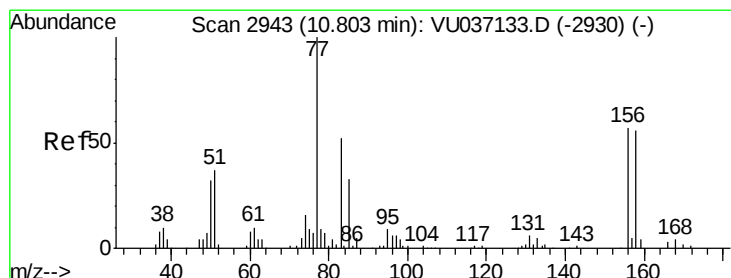
120 26.7 13.6 40.7

Manual Integrations
APPROVED



sam

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#70

1,1,2,2-Tetrachloroethane

Concen: 1.884 ug/l

RT: 10.80 min Scan# 2943

Delta R.T. -0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

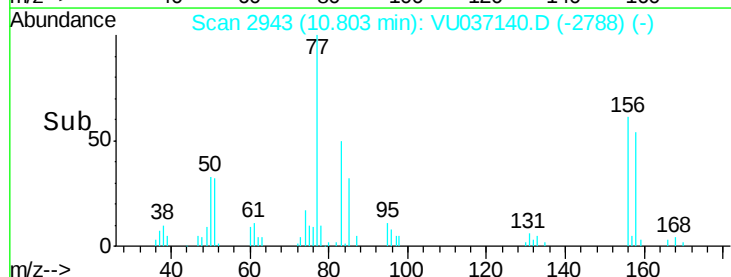
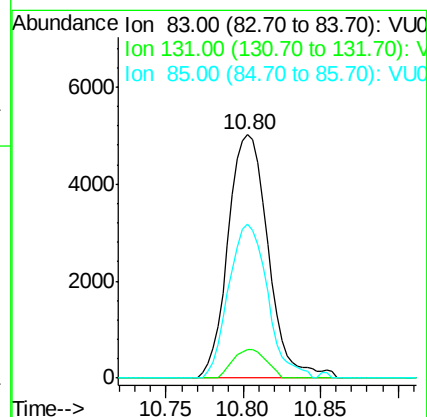
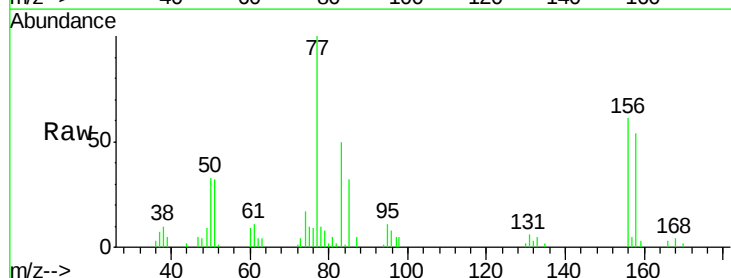
Tgt Ion: 83 Resp: 9031

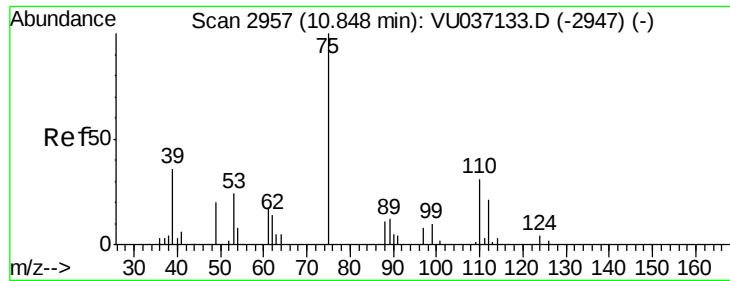
Ion Ratio Lower Upper

83 100

131 9.8 7.8 11.8

85 61.1 53.2 79.8



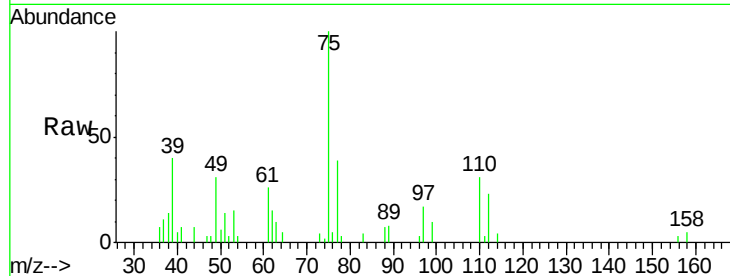


#71
 1,2,3-Trichloropropane
 Concen: 1.900 ug/l m
 RT: 10.85 min Scan# 2957
 Delta R.T. -0.00 min
 Lab File: VU037140.D
 Acq: 09 Mar 2020 18:58

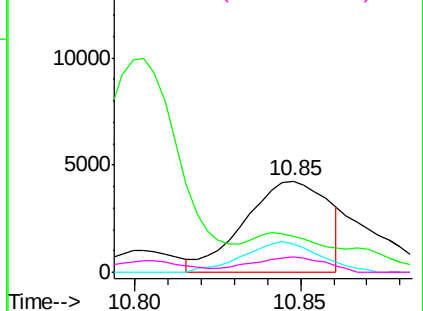
Instrument :
 MSVOA_U
 ClientSampled :
 VU0309WBSD01

Tot Ion:	75	Resp:	7445
Ion	Ratio	Lower	Upper
75	100		
77	53.0	0.0	129.6
110	30.2	0.0	77.4
97	15.3	0.0	42.0

Manual Integrations
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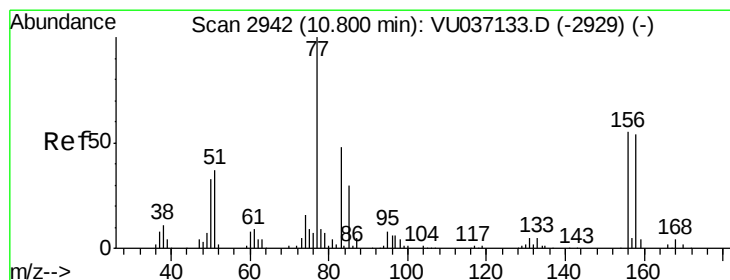
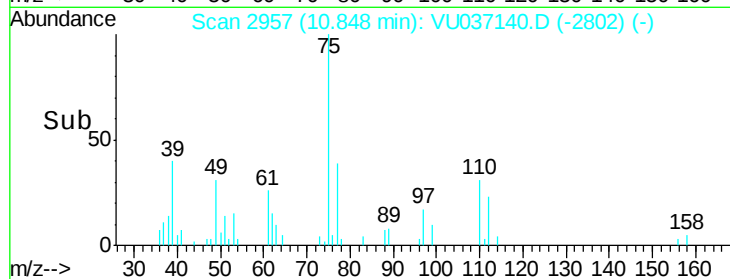


Abundance Ion 75.00 (74.70 to 75.70): VU037133.D (-2947) (-)
 Ion 77.00 (76.70 to 77.70): VU037133.D (-2947) (-)
 Ion 110.00 (109.70 to 110.70): VU037133.D (-2947) (-)
 Ion 97.00 (96.70 to 97.70): VU037133.D (-2947) (-)



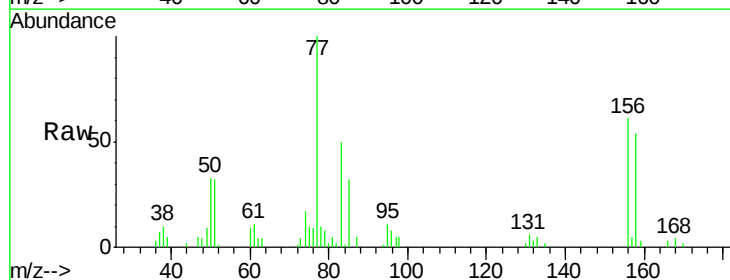
sam

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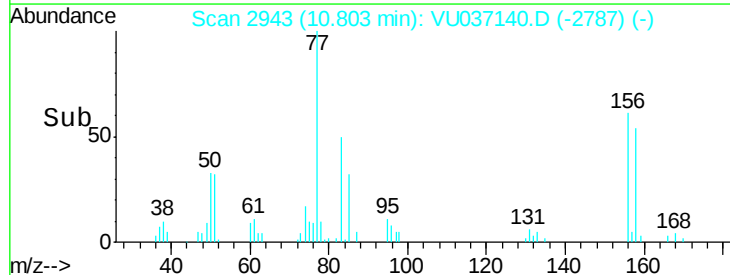
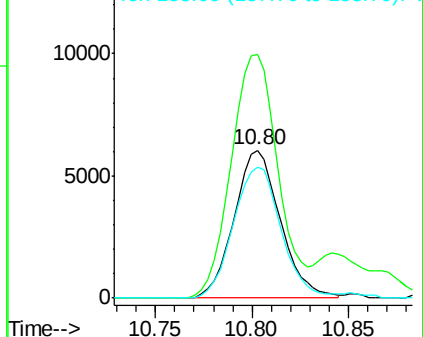


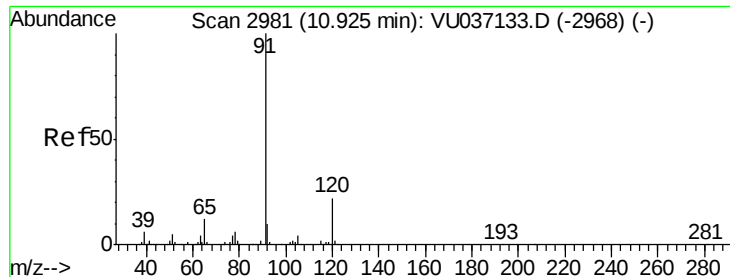
#72
 Bromobenzene
 Concen: 1.865 ug/l
 RT: 10.80 min Scan# 2943
 Delta R.T. 0.00 min
 Lab File: VU037140.D
 Acq: 09 Mar 2020 18:58

Tgt Ion:	156	Resp:	10037
Ion	Ratio	Lower	Upper
156	100		
77	167.0	0.0	306.6
158	91.5	0.0	192.0



Abundance Ion 156.00 (155.70 to 156.70): VU037133.D (-2929) (-)
 Ion 77.00 (76.70 to 77.70): VU037133.D (-2929) (-)
 Ion 158.00 (157.70 to 158.70): VU037133.D (-2929) (-)





#73

n-propylbenzene

Concen: 1.815 ug/l

RT: 10.92 min Scan# 2980

Delta R.T. -0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

Instrument :

MSVOA_U

ClientSampleId :

VU0309WBSD01

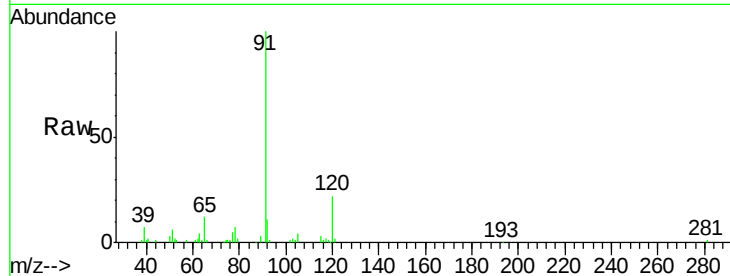
Tot Ion:120 Resp: 10700

Ion Ratio Lower Upper

120 100

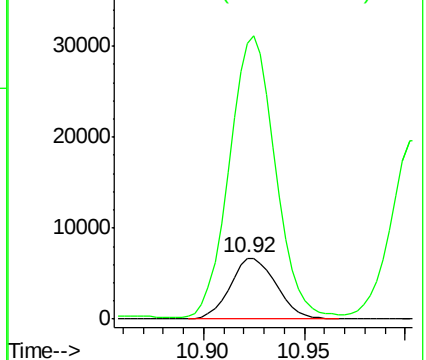
91 461.4 329.5 494.3

Manual Integrations
APPROVED



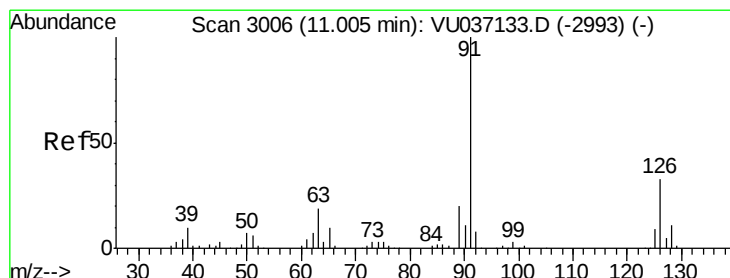
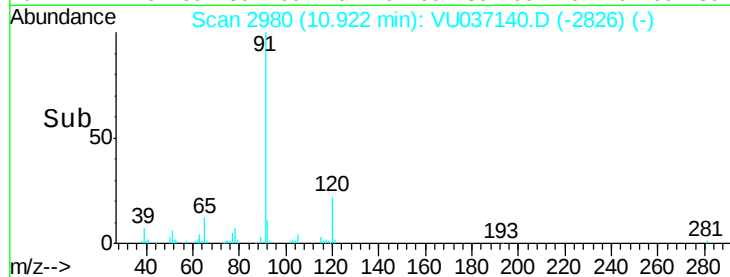
Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



sam

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#74

2-Chlorotoluene

Concen: 1.869 ug/l

RT: 11.01 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU037140.D

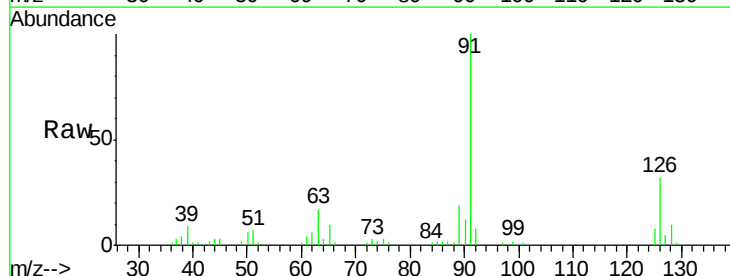
Acq: 09 Mar 2020 18:58

Tgt Ion:126 Resp: 9975

Ion Ratio Lower Upper

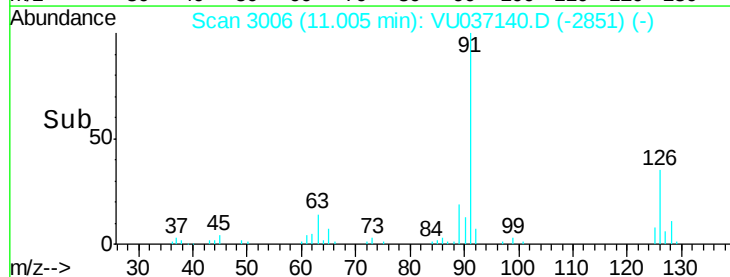
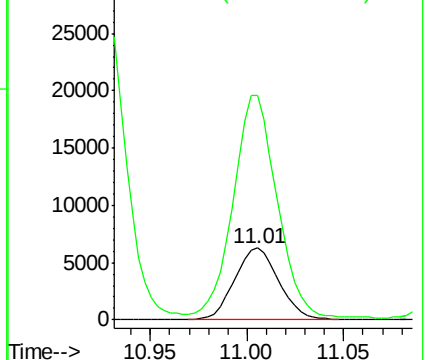
126 100

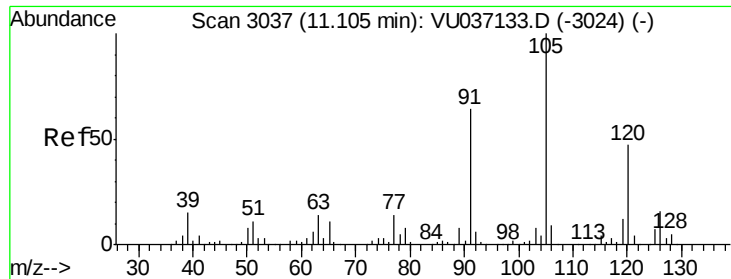
91 311.9 0.0 567.4



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: 1.778 ug/l

RT: 11.10 min Scan# 3037

Delta R.T. -0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

Instrument :

MSVOA_U

ClientSampleId :

VU0309WBSD01

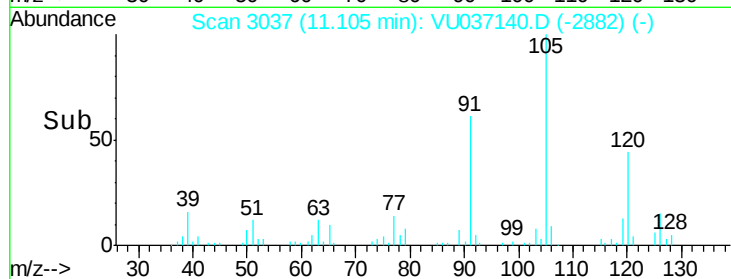
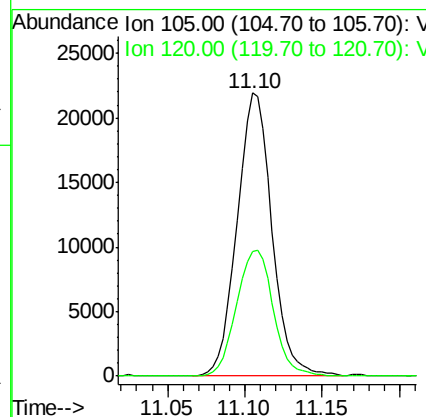
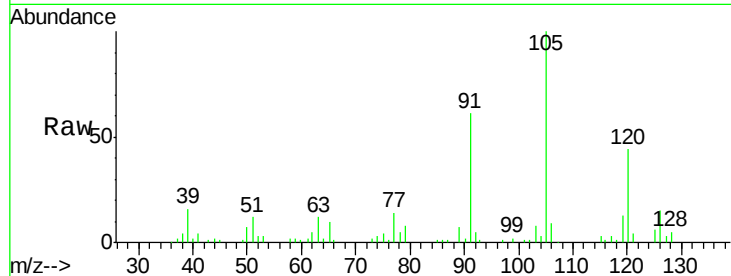
Tot Ion:105 Resp: 34241

Ion Ratio Lower Upper

105 100

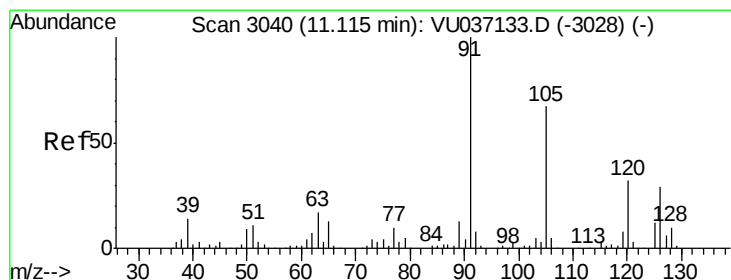
120 46.7 39.8 59.8

Manual Integrations
APPROVED



sam

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#76

4-Chlorotoluene

Concen: 1.933 ug/l

RT: 11.12 min Scan# 3041

Delta R.T. 0.00 min

Lab File: VU037140.D

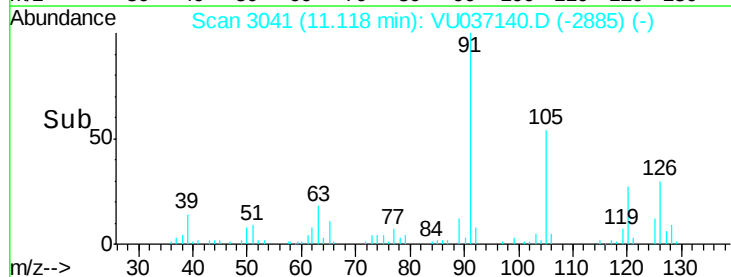
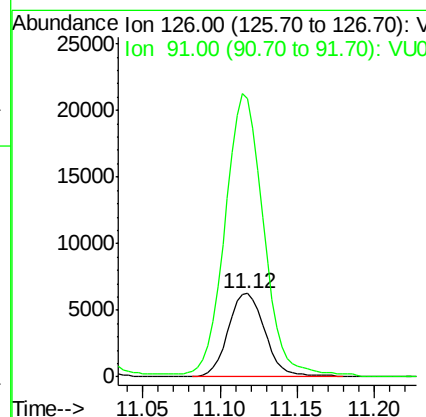
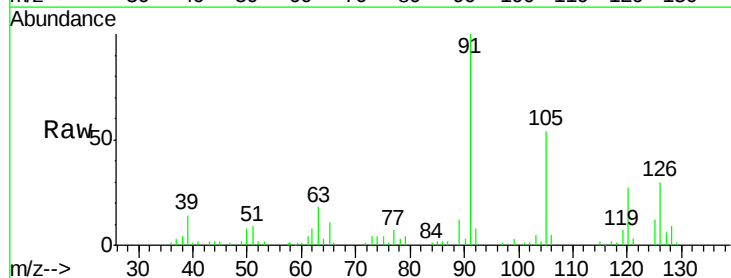
Acq: 09 Mar 2020 18:58

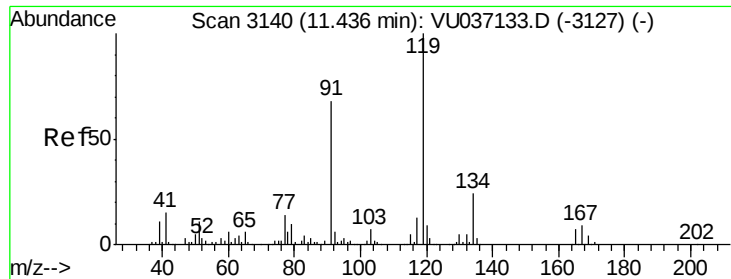
Tgt Ion:126 Resp: 10383

Ion Ratio Lower Upper

126 100

91 356.6 0.0 633.0



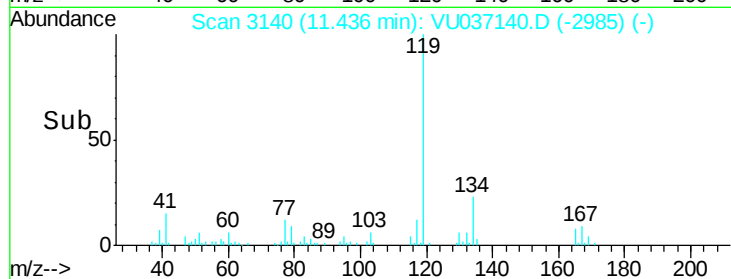
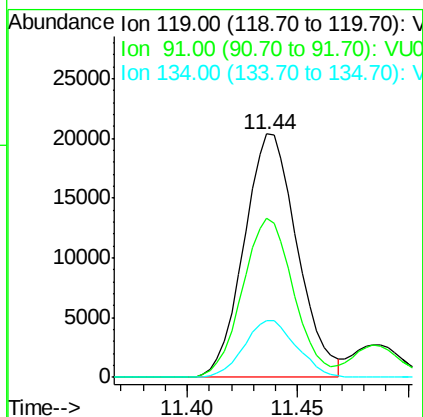
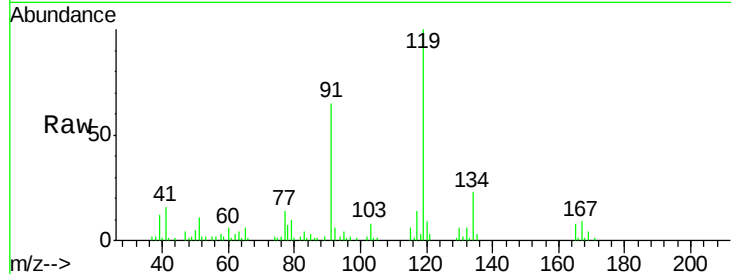


#77
tert-Butylbenzene
Concen: 1.818 ug/l
RT: 11.44 min Scan# 3140
Delta R.T. -0.00 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

Instrument :
MSVOA_U
ClientSampleId :
VU0309WBSD01

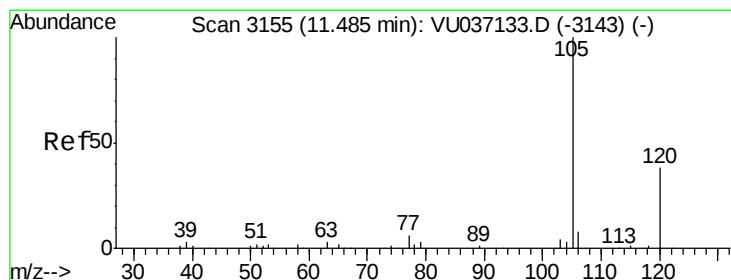
Tot Ion	Ratio	Lower	Upper
119	100		
91	62.8	29.3	87.8
134	22.8	19.0	28.4

Manual Integrations
APPROVED



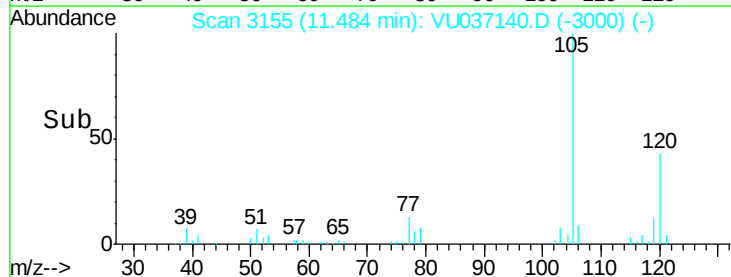
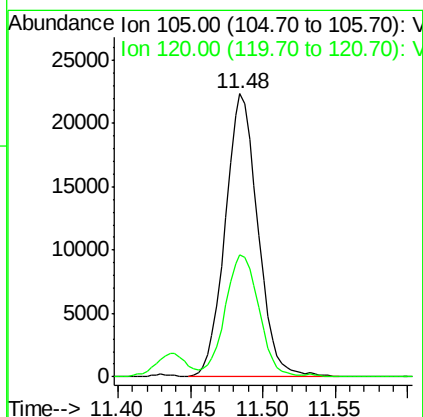
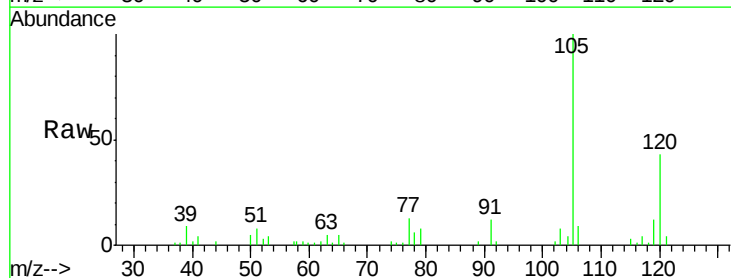
sam

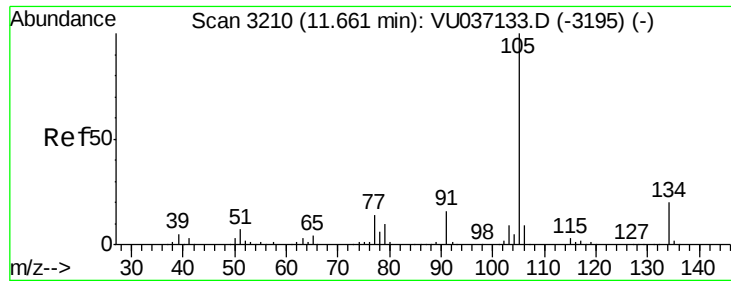
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#78
1,2,4-Trimethylbenzene
Concen: 1.796 ug/l
RT: 11.48 min Scan# 3155
Delta R.T. -0.00 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.5	23.3	69.8





#79

sec-Butylbenzene

Concen: 1.792 ug/l

RT: 11.66 min Scan# 3210

Delta R.T. -0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

Instrument :

MSVOA_U

ClientSampleId :

VU0309WBSD01

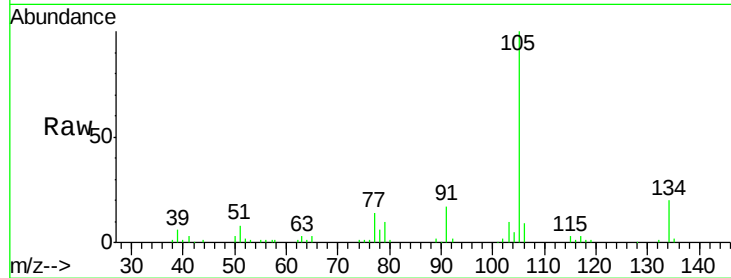
Tot Ion: 105 Resp: 45773

Ion Ratio Lower Upper

105 100

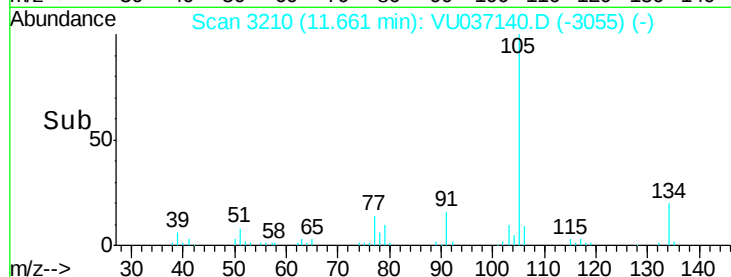
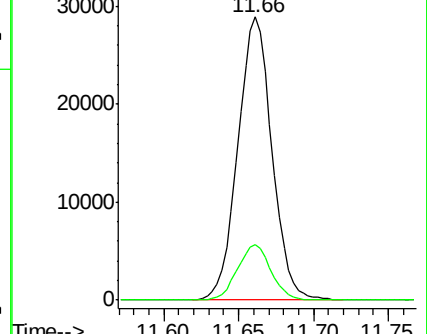
134 19.2 16.0 24.0

Manual Integrations
APPROVED



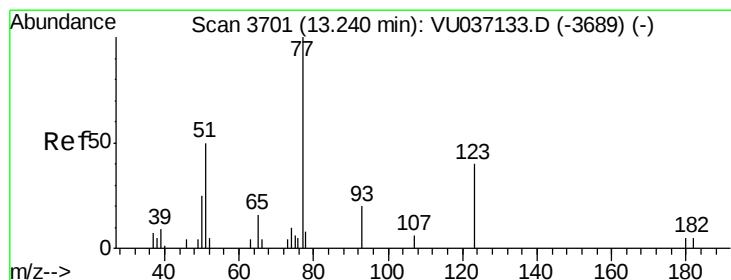
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



sam

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#80

Nitrobenzene

Concen: 6.071 ug/l

RT: 13.24 min Scan# 3701

Delta R.T. -0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

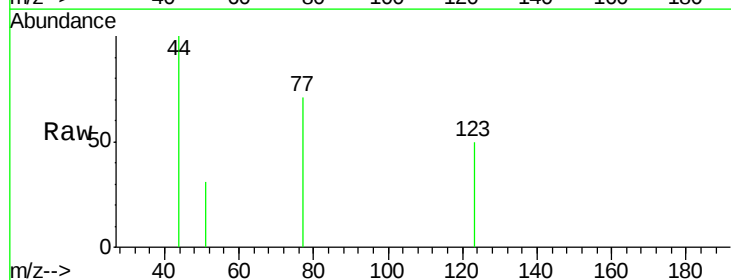
Tgt Ion: 77 Resp: 637

Ion Ratio Lower Upper

77 100

123 36.7 19.6 69.6

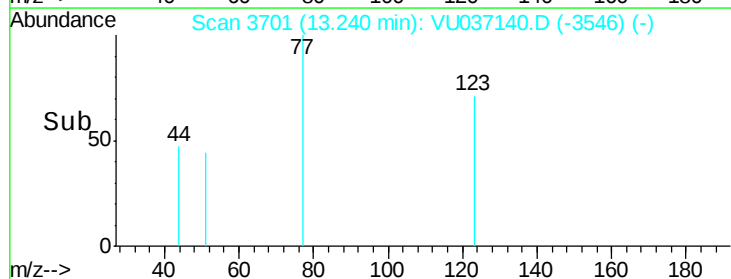
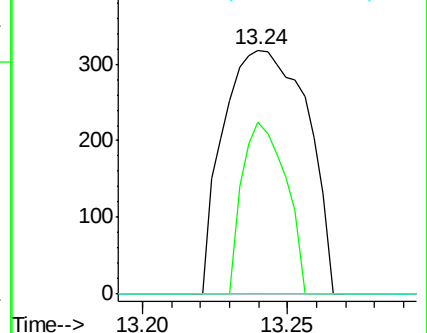
65 0.0 12.7 16.1#

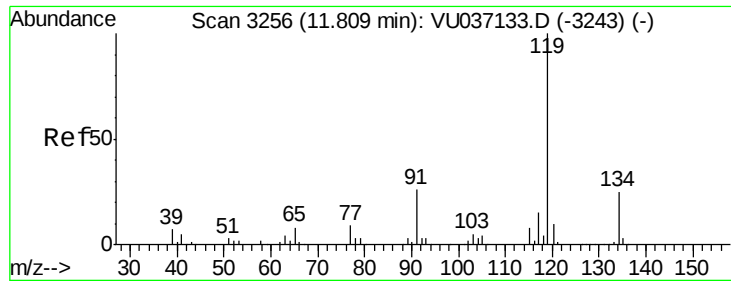


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0



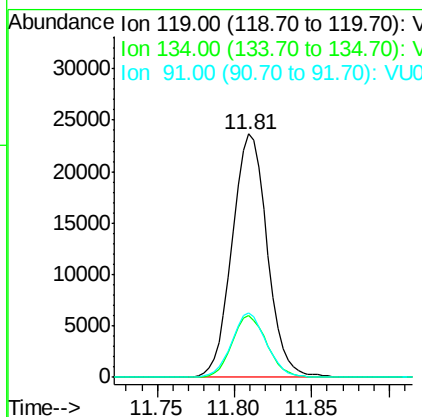
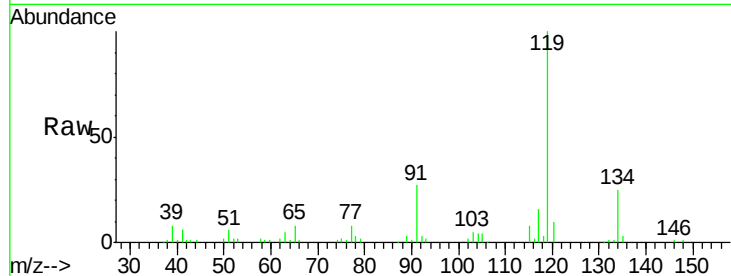


#81
 p-Isopropyltoluene
 Concen: 1.848 ug/l
 RT: 11.81 min Scan# 3256
 Delta R.T. -0.00 min
 Lab File: VU037140.D
 Acq: 09 Mar 2020 18:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0309WBSD01

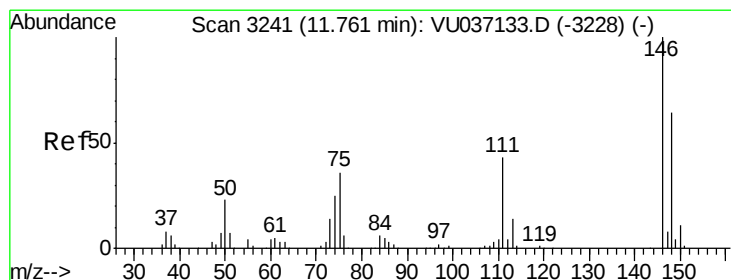
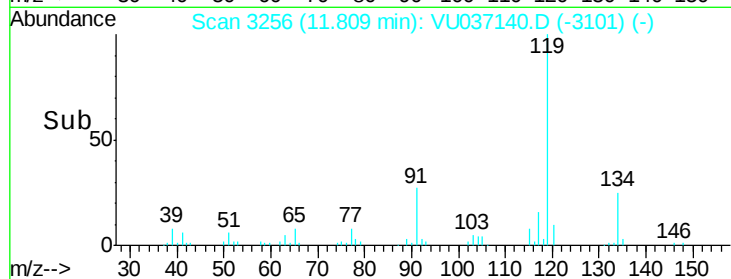
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.2	21.4	32.0
91	26.0	18.3	27.5

Manual Integrations
 APPROVED



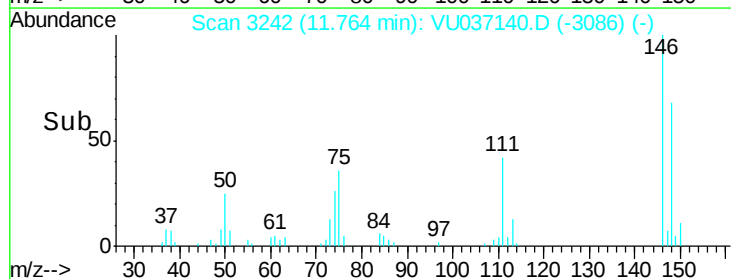
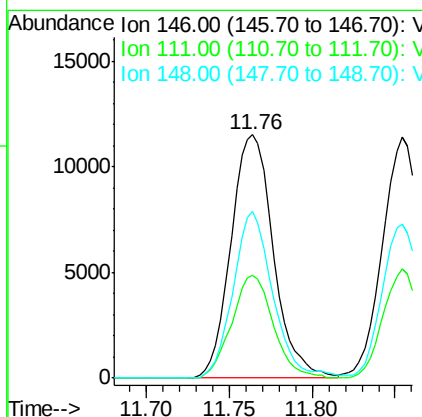
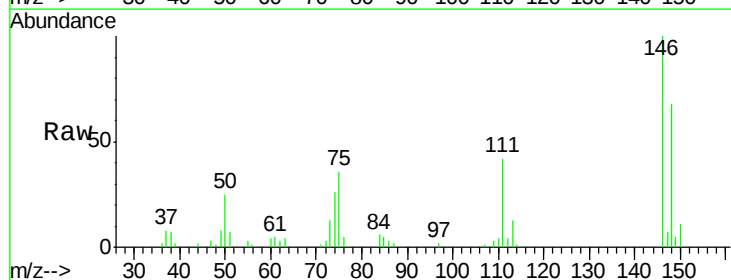
sam

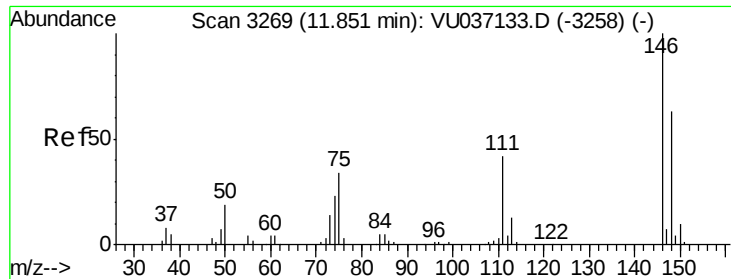
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#82
 1,3-Dichlorobenzene
 Concen: 1.924 ug/l
 RT: 11.76 min Scan# 3242
 Delta R.T. 0.00 min
 Lab File: VU037140.D
 Acq: 09 Mar 2020 18:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	32.2	48.2
148	64.0	51.4	77.2



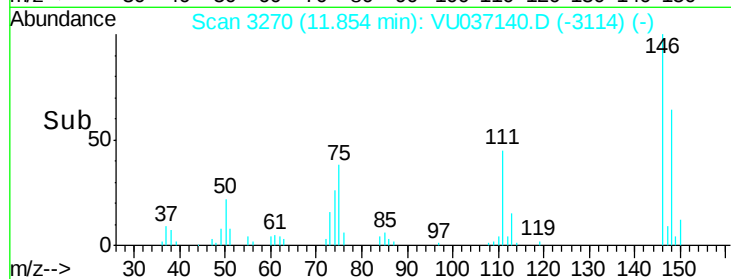
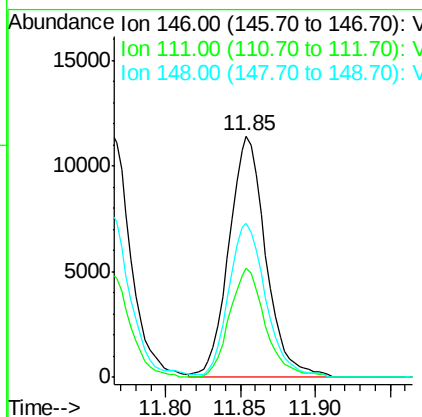
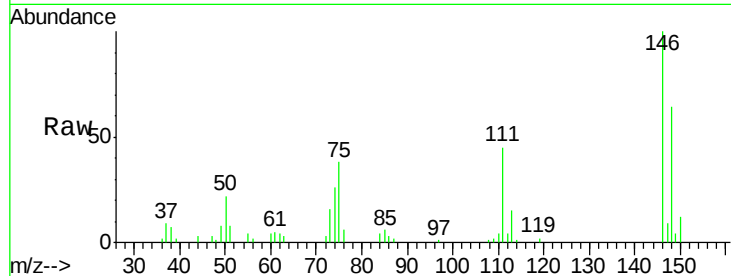


#83
 1,4-Dichlorobenzene
 Concen: 1.819 ug/l
 RT: 11.85 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU037140.D
 Acq: 09 Mar 2020 18:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0309WBSD01

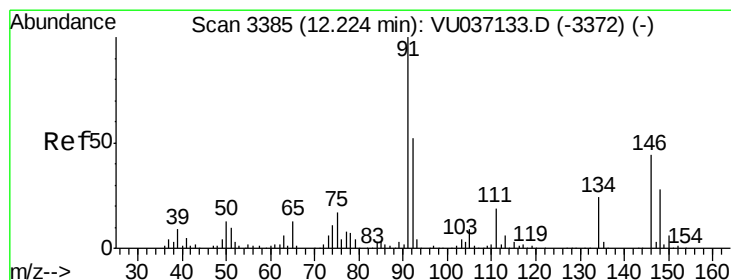
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	30.5	45.7
148	64.3	51.0	76.4

Manual Integrations
 APPROVED



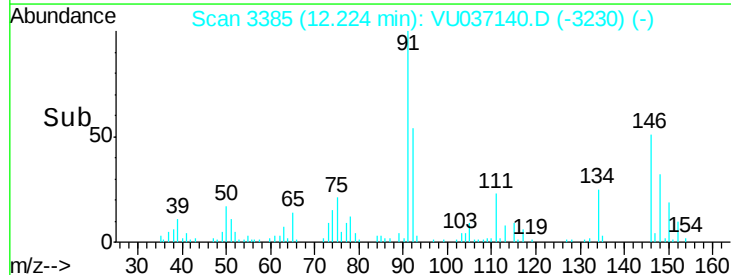
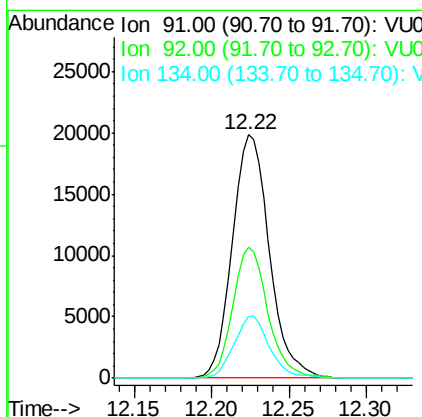
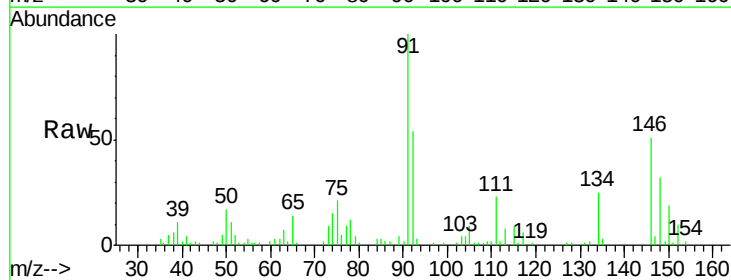
sam

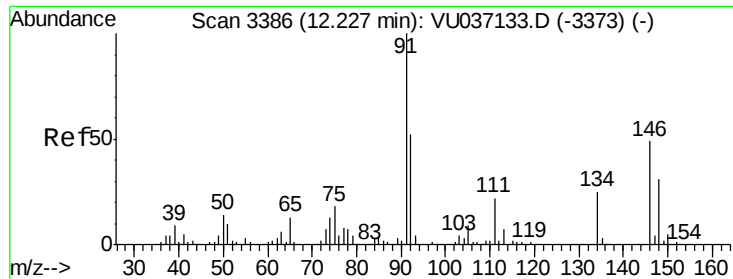
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#84
 n-Butylbenzene
 Concen: 1.730 ug/l
 RT: 12.22 min Scan# 3385
 Delta R.T. -0.00 min
 Lab File: VU037140.D
 Acq: 09 Mar 2020 18:58

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.9	42.9	64.3
134	24.1	21.4	32.0



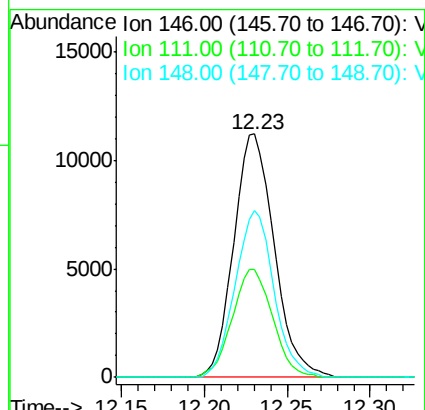
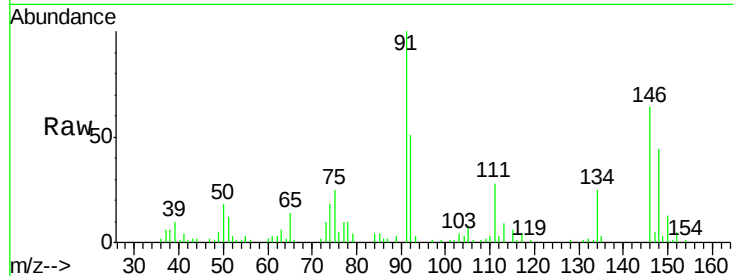


#85
 1,2-Dichlorobenzene
 Concen: 1.853 ug/l
 RT: 12.23 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU037140.D
 Acq: 09 Mar 2020 18:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0309WBSD01

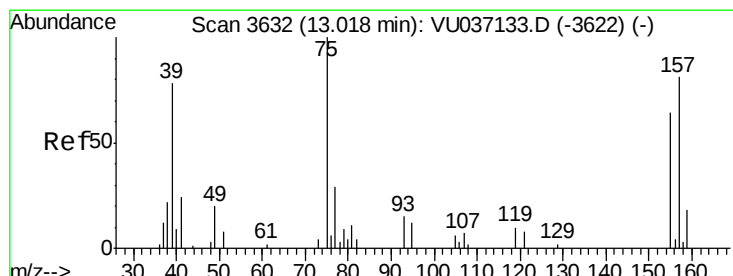
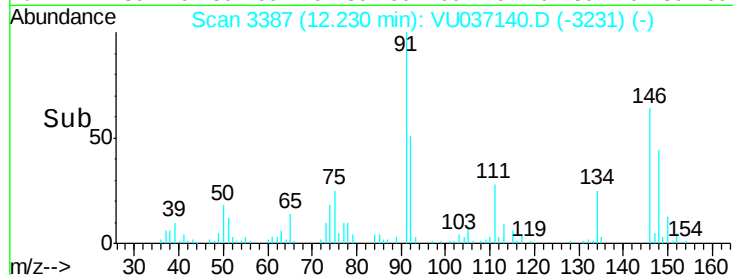
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	20.8	62.4
148	65.3	32.0	96.2

Manual Integrations
 APPROVED



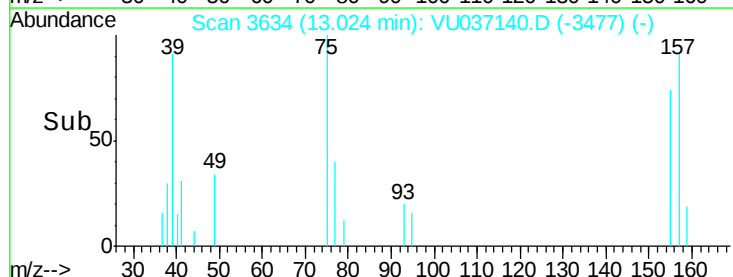
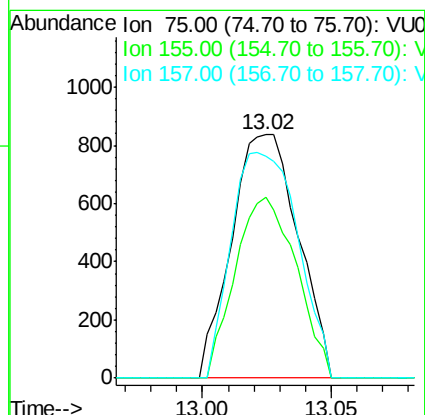
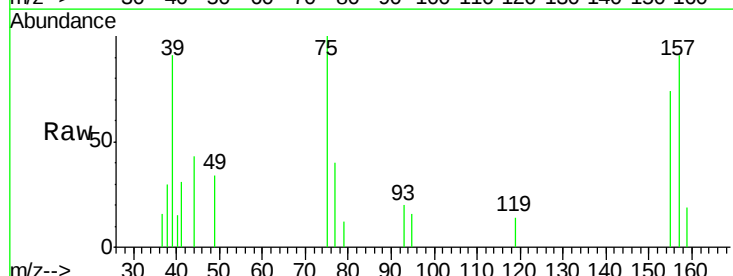
sam

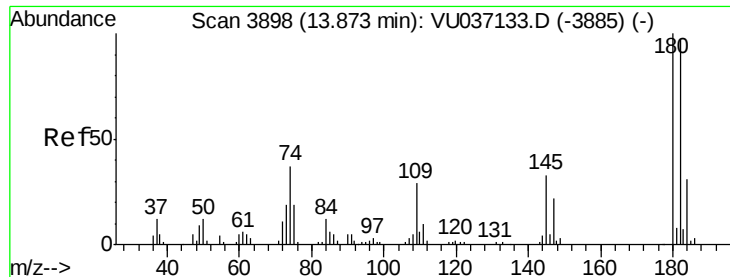
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 1.779 ug/l
 RT: 13.02 min Scan# 3634
 Delta R.T. 0.01 min
 Lab File: VU037140.D
 Acq: 09 Mar 2020 18:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.1	71.8	107.8#
157	93.0	92.4	138.6



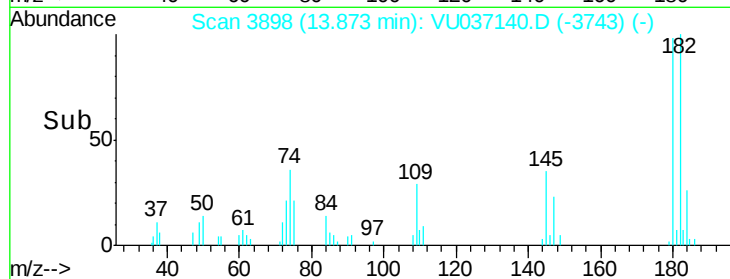
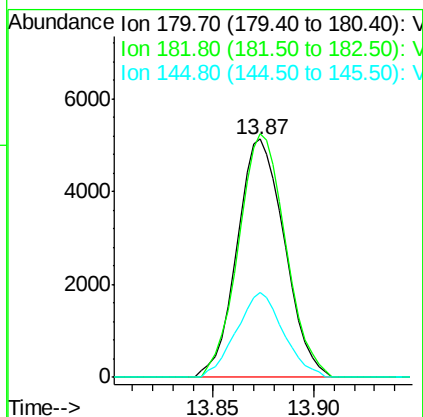
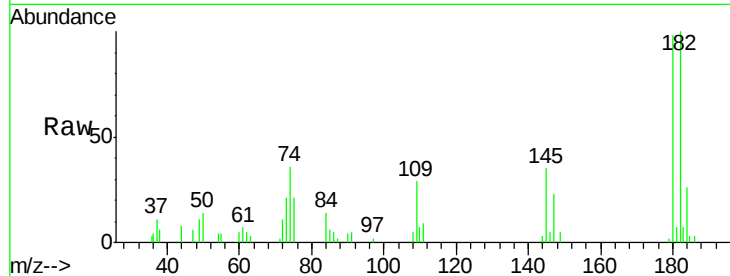


#87
 1,2,4-Trichlorobenzene
 Concen: 1.635 ug/l
 RT: 13.87 min Scan# 3898
 Delta R.T. -0.00 min
 Lab File: VU037140.D
 Acq: 09 Mar 2020 18:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0309WBSD01

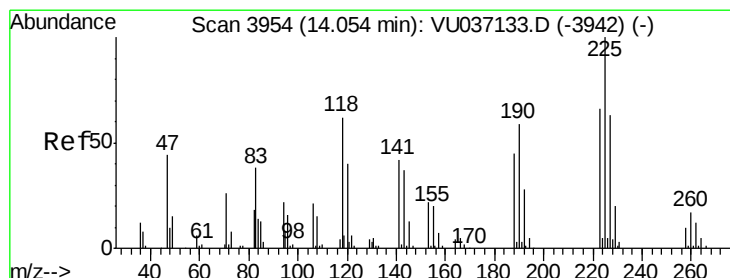
Tot Ion	Ratio	Lower	Upper
180	100		
182	101.3	75.9	113.9
145	35.2	23.4	35.2#

Manual Integrations
 APPROVED



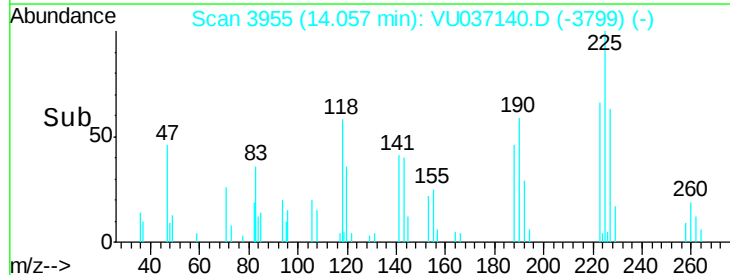
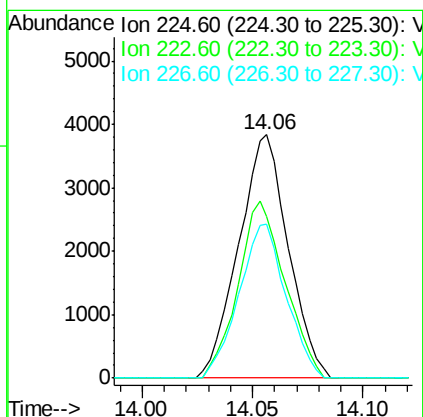
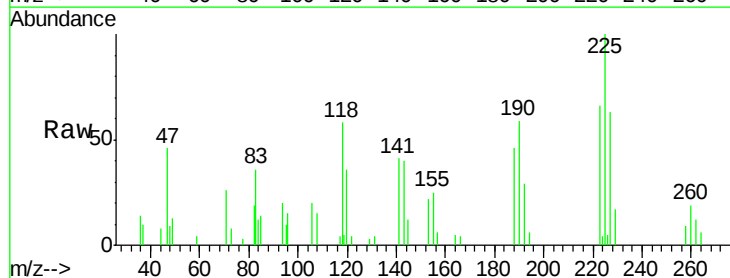
sam

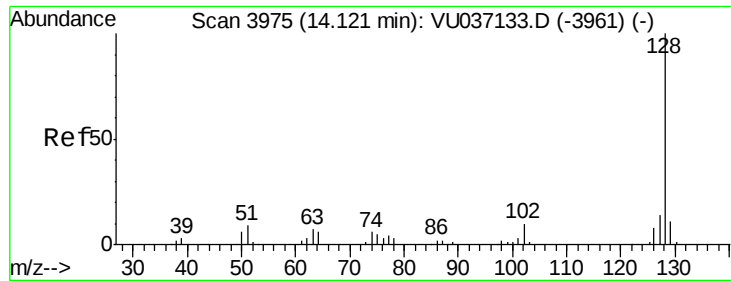
3/10/2020 3:06:53 PM



#88
 Hexachlorobutadiene
 Concen: 1.861 ug/l
 RT: 14.06 min Scan# 3955
 Delta R.T. 0.00 min
 Lab File: VU037140.D
 Acq: 09 Mar 2020 18:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	68.6	51.7	77.5
227	60.0	50.6	75.8



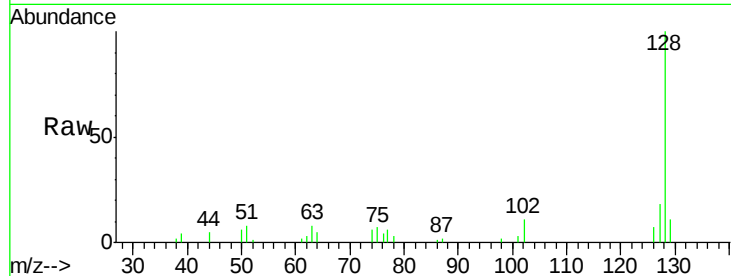


#89
Naphthalene
Concen: 1.438 ug/l
RT: 14.12 min Scan# 3976
Delta R.T. 0.00 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

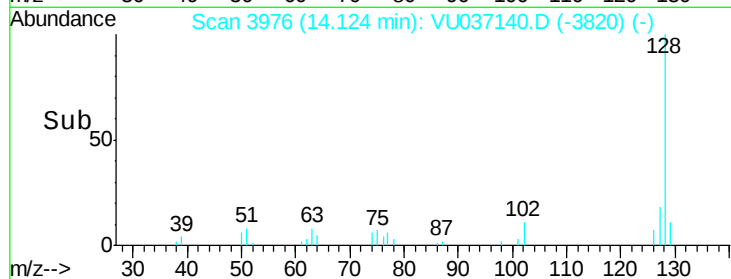
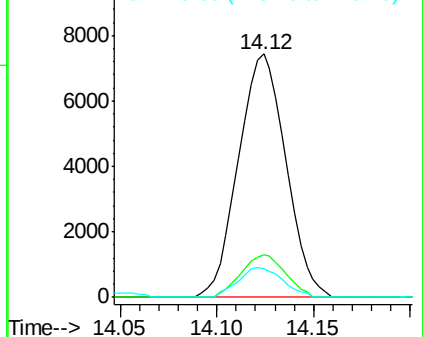
Instrument :
MSVOA_U
ClientSampleId :
VU0309WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	16.3	10.5	15.7#
129	11.4	8.7	13.1

Manual Integrations
APPROVED

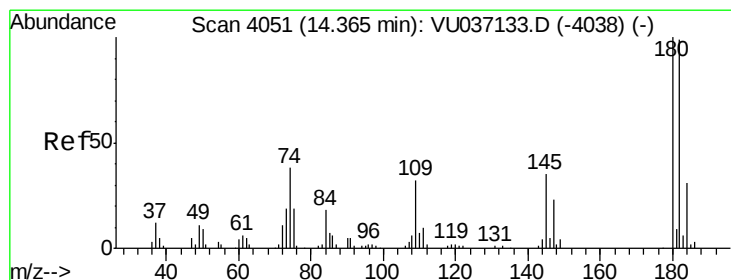


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



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3/10/2020 3:06:53 PM



#90
1,2,3-Trichlorobenzene
Concen: 1.805 ug/l
RT: 14.37 min Scan# 4051
Delta R.T. -0.00 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.1	76.2	114.4
145	33.5	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

