

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U050420\
 Data File : VU037998.D
 Acq On : 04 May 2020 11:44
 Operator : JC/MD
 Sample : VSTDIC002
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Manual Integrations
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apatel
 5/5/2020 11:15:41 AM

Quant Time: May 05 01:52:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U050420DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue May 05 01:36:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	6.14	96	88748	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.65	95	34213	0.99	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.00%	
68) 1,2-Dichlorobenzene-d4	12.21	152	34002	0.98	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.00%	
Target Compounds					Ovalue	
2) Dichlorodifluoromethane	1.40	85	57536	1.396	ug/l	99
3) Chloromethane	1.54	50	66618	1.603	ug/l	99
4) Vinyl Chloride	1.62	62	66658	1.784	ug/l	100
5) Bromomethane	1.87	94	41175	2.923	ug/l	97
6) Chloroethane	1.95	64	40326	2.155	ug/l	98
7) Trichlorofluoromethane	2.16	101	69696	1.559	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.60	101	42756	1.958	ug/l	99
9) 1,1-Dichloroethene	2.60	96	43967	2.102	ug/l	97
10) Iodomethane	2.75	142	21341	2.044	ug/l	98
11) Allyl Chloride	2.95	41	80627	1.990	ug/l	99
12) Acrylonitrile	3.35	53	23761	4.648	ug/l #	93
13) Acetone	2.65	43	44710	8.226	ug/l	98
14) Carbon Disulfide	2.82	76	159988	2.258	ug/l	98
15) Methylene Chloride	3.07	84	58772	2.217	ug/l	98
16) trans-1,2-Dichloroethene	3.38	96	46919	2.096	ug/l	97
17) 1,1-Dichloroethane	3.91	63	90954	1.811	ug/l	99
18) 2-Butanone	4.76	43	72674	8.865	ug/l	99
19) Cyclohexane	5.42	56	87532m	2.021	ug/l	
20) Methylcyclohexane	6.79	83	85022	1.980	ug/l	99
21) 2,2-Dichloropropane	4.70	77	74237	1.637	ug/l	97
22) cis-1,2-Dichloroethene	4.71	96	49444	1.835	ug/l	98
23) Diethyl Ether	2.40	59	39026	2.176	ug/l	100
24) tert-Butyl Alcohol	3.23	59	43523	22.646	ug/l	97
25) Methyl tert-Butyl Ether	3.40	73	118925	1.955	ug/l	98
26) Bromochloromethane	5.01	128	20959	1.791	ug/l	97
27) Chloroform	5.12	83	83896	1.577	ug/l	97
28) 1,1,1-Trichloroethane	5.35	97	68579	1.522	ug/l	98
29) 1,1-Dichloropropene	5.56	75	70117	1.863	ug/l	97
30) Carbon Tetrachloride	5.56	117	57525	1.474	ug/l	97
31) Isopropyl Ether	4.04	45	148056	1.842	ug/l	99
32) Ethyl-t-butyl ether	4.55	59	133277	1.770	ug/l	100
33) Tert-Amyl methyl ether	5.98	73	112916	1.751	ug/l	99
34) Propionitrile	4.82	54	20957	9.702	ug/l #	97
35) Benzene	5.81	78	195054	1.828	ug/l	99
36) 1,2-Dichloroethane	5.83	62	59803	1.586	ug/l	99
37) Trichloroethene	6.57	130	50452	1.799	ug/l	97
38) 1,2-Dichloropropane	6.82	63	52709	1.808	ug/l	95
39) Methacrylonitrile	5.02	41	19699	1.909	ug/l	96
40) Methyl acrylate	4.89	55	27992	1.919	ug/l	99
41) Tetrahydrofuran	5.11	42	19343	3.761	ug/l	98
42) 1-Chlorobutane	5.49	56	101675	1.881	ug/l	99

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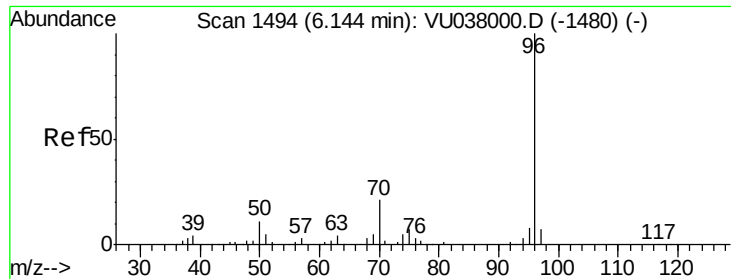
Manual Integrations
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Quant Time: May 05 01:52:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U050420DW.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.95	93	24751	1.680	ug/l	98
44) Bromodichloromethane	7.13	83	61253	1.604	ug/l	99
45) 4-Methyl-2-Pentanone	7.82	43	162636	8.210	ug/l	99
46) t-1,4-Dichloro-2-butene	10.85	75	17592m	3.253	ug/l	
47) Methyl methacrylate	6.99	69	49475	3.974	ug/l	99
48) Ethyl methacrylate	8.36	69	44398	1.809	ug/l	100
49) Toluene	7.99	92	122269	1.900	ug/l	98
50) t-1,3-Dichloropropene	8.23	75	62068	1.771	ug/l	97
51) cis-1,3-Dichloropropene	7.63	75	73498	1.818	ug/l	97
52) 1,1,2-Trichloroethane	8.42	97	34918	1.763	ug/l	100
53) 1,3-Dichloropropane	8.60	76	65863	1.855	ug/l	99
54) 2-Hexanone	8.71	43	115320	8.471	ug/l	99
55) Dibromochloromethane	8.83	129	37291	1.546	ug/l	100
56) 1,2-Dibromoethane	8.94	107	33220	1.789	ug/l	100
58) Tetrachloroethene	8.57	164	48282	1.833	ug/l	97
59) Chlorobenzene	9.47	112	132613	1.848	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.55	131	38786	1.521	ug/l	99
61) Pentachloroethane	11.44	117	29371	1.509	ug/l	100
62) Hexachloroethane	12.49	117	30474	1.474	ug/l	99
63) Ethyl Benzene	9.59	91	233235	1.904	ug/l	100
64) m/p-Xylenes	9.71	106	179846	3.879	ug/l	99
65) o-Xylene	10.12	106	87848	1.958	ug/l	99
66) Styrene	10.13	104	140865	1.922	ug/l	99
67) Bromoform	10.31	173	19291	1.524	ug/l	96
69) Isopropylbenzene	10.50	105	224186	1.840	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.80	83	44724	1.722	ug/l	99
71) 1,2,3-Trichloropropane	10.84	75	34960m	1.707	ug/l	
72) Bromobenzene	10.80	156	51227	1.738	ug/l	98
73) n-propylbenzene	10.92	120	61180	1.890	ug/l	94
74) 2-Chlorotoluene	11.00	126	52648	1.818	ug/l	99
75) 1,3,5-Trimethylbenzene	11.10	105	186426	1.786	ug/l	100
76) 4-Chlorotoluene	11.11	126	54010	1.843	ug/l	98
77) tert-Butylbenzene	11.43	119	180711	1.775	ug/l	100
78) 1,2,4-Trimethylbenzene	11.48	105	194117	1.846	ug/l	99
79) sec-Butylbenzene	11.66	105	258252	1.851	ug/l	99
80) Nitrobenzene	13.23	77	5570	9.408	ug/l	97
81) p-Isopropyltoluene	11.81	119	206945	1.885	ug/l	100
82) 1,3-Dichlorobenzene	11.76	146	108351	1.861	ug/l	98
83) 1,4-Dichlorobenzene	11.85	146	107506	1.824	ug/l	99
84) n-Butylbenzene	12.22	91	206561	1.966	ug/l	99
85) 1,2-Dichlorobenzene	12.23	146	98636	1.755	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	13.02	75	6412	1.445	ug/l	96
87) 1,2,4-Trichlorobenzene	13.87	180	70020	2.368	ug/l	99
88) Hexachlorobutadiene	14.05	225	31632	1.791	ug/l	99
89) Naphthalene	14.12	128	132865	2.592	ug/l	100
90) 1,2,3-Trichlorobenzene	14.36	180	62586	2.198	ug/l	99

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.14 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

Instrument :

MSVOA_U

ClientSampleId :

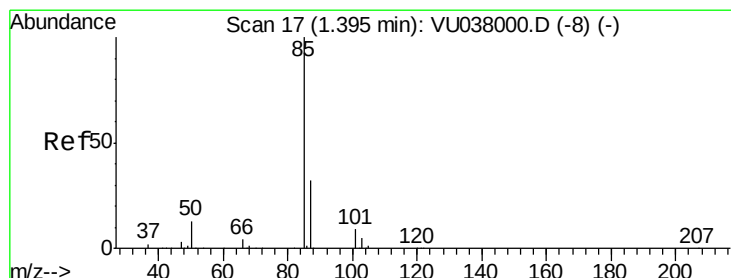
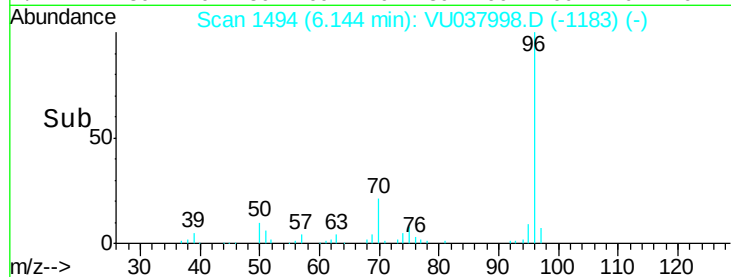
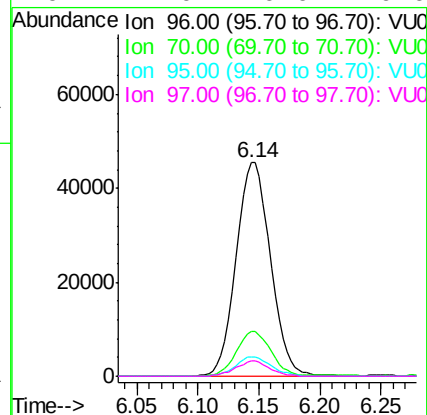
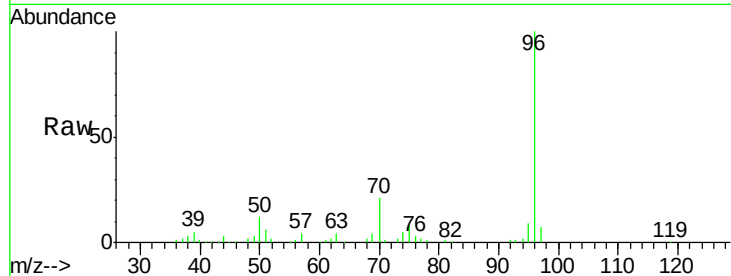
VSTDIC002

Tot Ion: 96 Resp: 88748

Ion	Ratio	Lower	Upper
96	100		
70	20.6	14.4	21.6
95	9.4	7.1	10.7
97	7.0	0.0	0.0#

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#2

Dichlorodifluoromethane

Concen: 1.396 ug/l

RT: 1.40 min Scan# 17

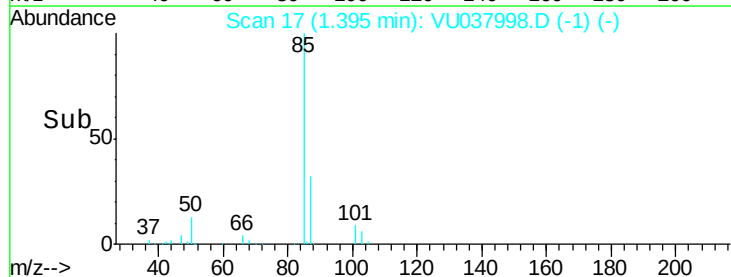
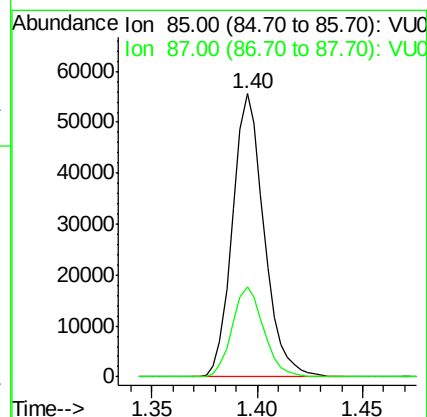
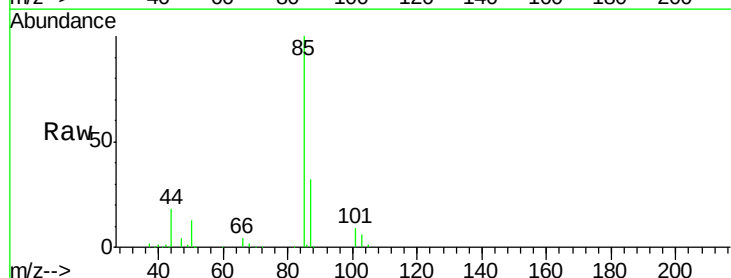
Delta R.T. 0.00 min

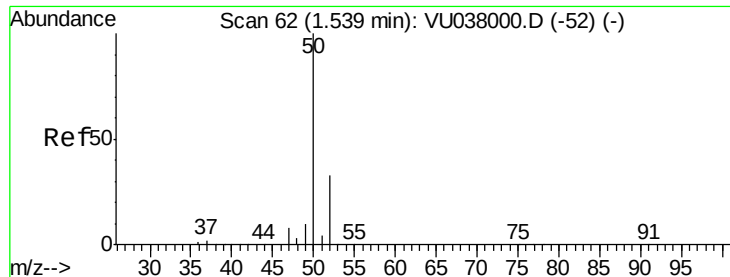
Lab File: VU037998.D

Acq: 04 May 2020 11:44

Tgt Ion: 85 Resp: 57536

Ion	Ratio	Lower	Upper
85	100		
87	31.7	16.2	48.5





#3

Chloromethane

Concen: 1.603 ug/l

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 50 Resp: 66618

Ion Ratio Lower Upper

50 100

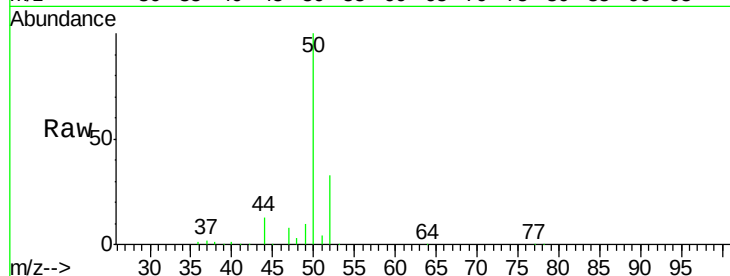
52 33.3 26.1 39.1

Manual Integrations

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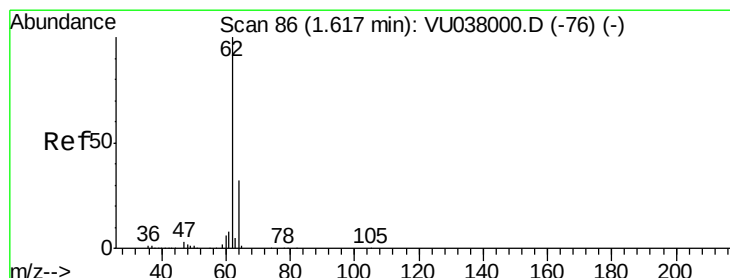
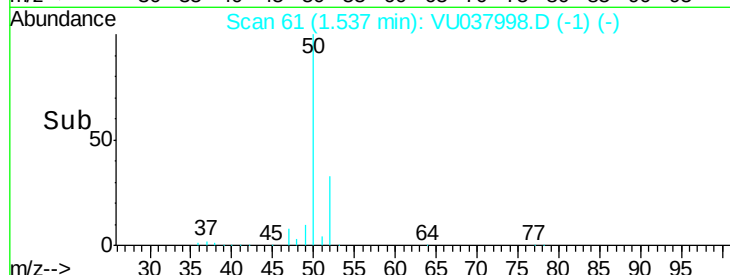
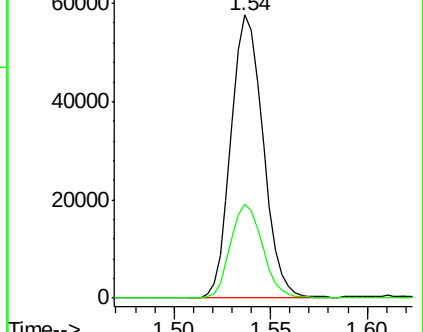
apatel

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Abundance Ion 50.00 (49.70 to 50.70): VU037998.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU037998.D (-1) (-)



#4

Vinyl Chloride

Concen: 1.784 ug/l

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037998.D

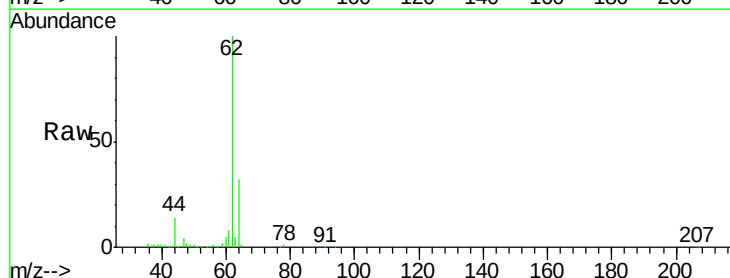
Acq: 04 May 2020 11:44

Tgt Ion: 62 Resp: 66658

Ion Ratio Lower Upper

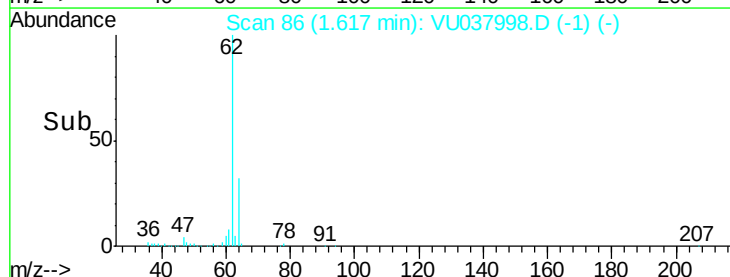
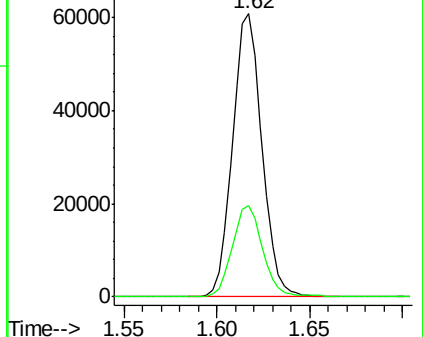
62 100

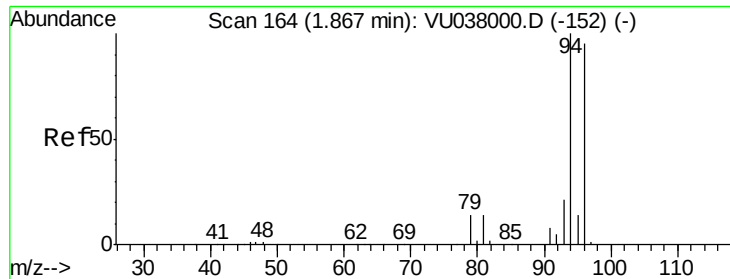
64 32.1 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VU037998.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU037998.D (-1) (-)





#5

Bromomethane

Concen: 2.923 ug/l

RT: 1.87 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 94 Resp: 41175

Ion Ratio Lower Upper

94 100

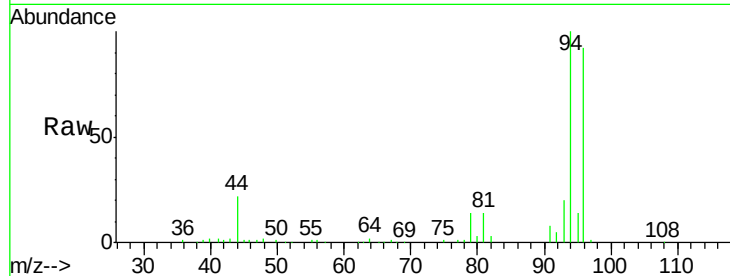
96 92.2 76.1 114.1

Manual Integrations

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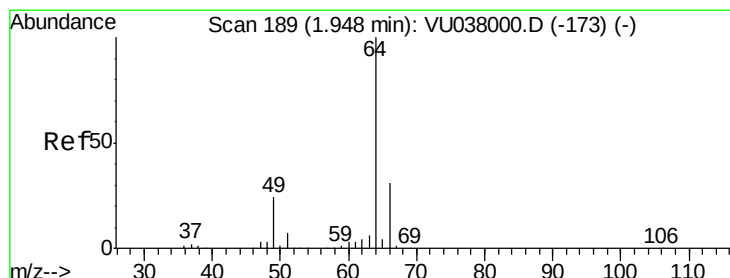
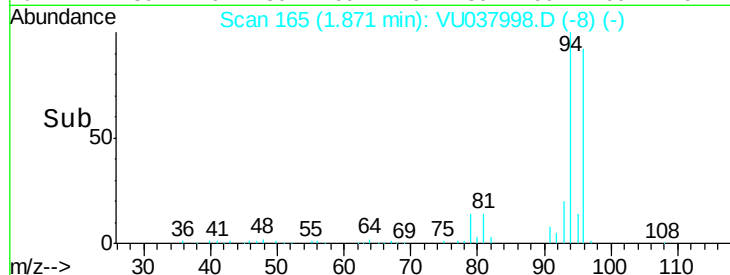
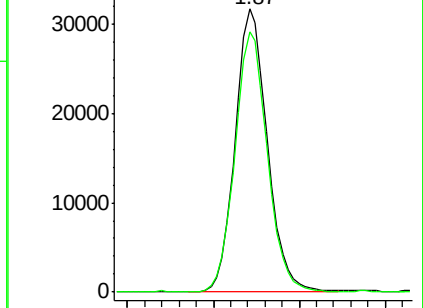
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Abundance Ion 94.00 (93.70 to 94.70): VU038000.D (-152) (-)

Ion 96.00 (95.70 to 96.70): VU038000.D (-152) (-)



#6

Chloroethane

Concen: 2.155 ug/l

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU037998.D

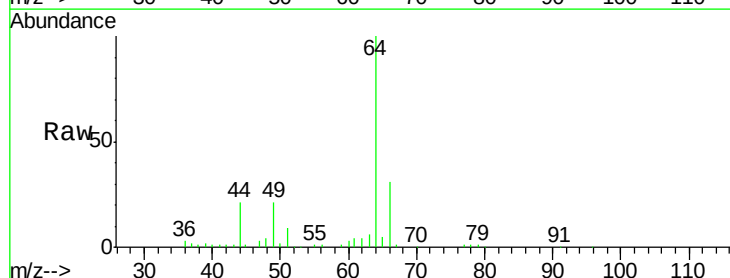
Acq: 04 May 2020 11:44

Tgt Ion: 64 Resp: 40326

Ion Ratio Lower Upper

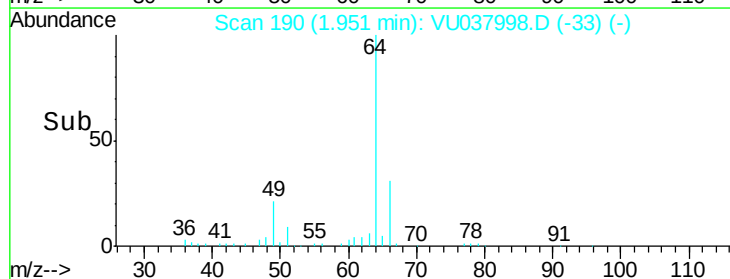
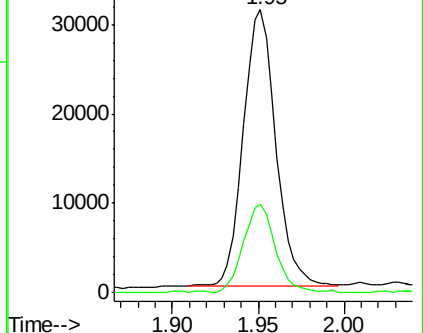
64 100

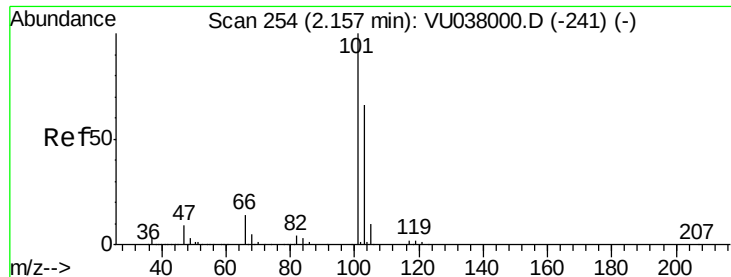
66 31.9 24.8 37.2



Abundance Ion 64.00 (63.70 to 64.70): VU038000.D (-173) (-)

Ion 66.00 (65.70 to 66.70): VU038000.D (-173) (-)





#7

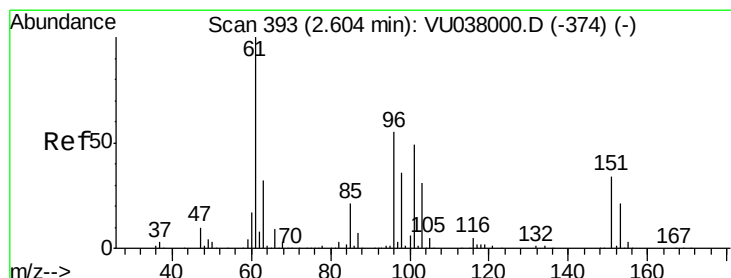
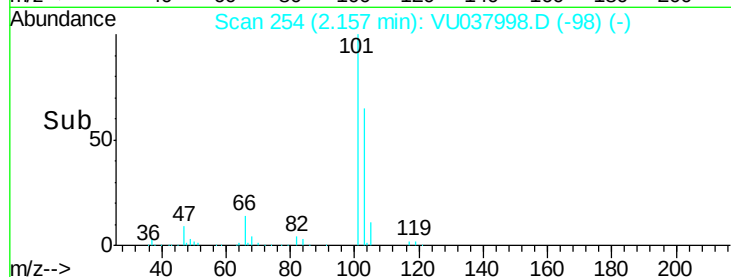
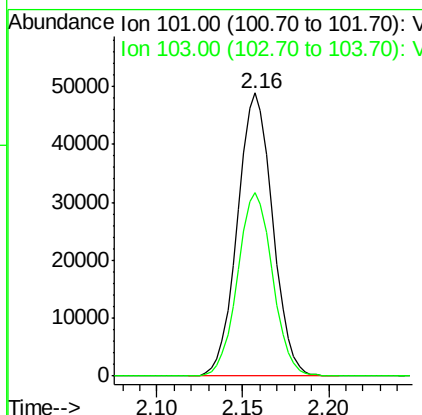
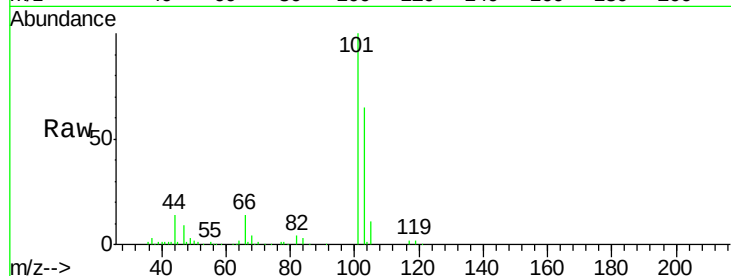
Trichlorofluoromethane
Concen: 1.559 ug/l
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU037998.D
Acq: 04 May 2020 11:44

Instrument :
MSVOA_U
ClientSampled :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.6	78.8

Manual Integrations
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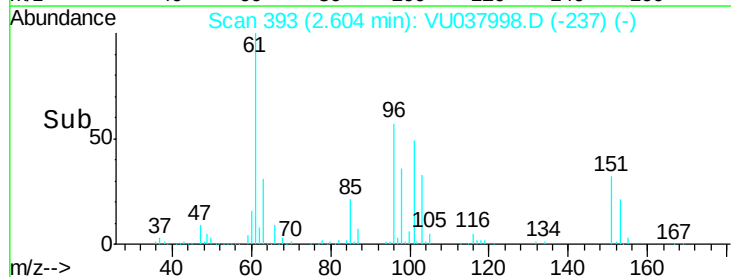
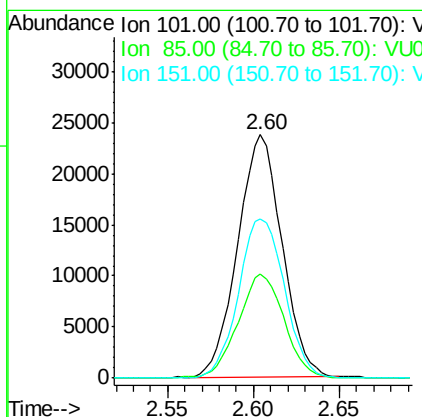
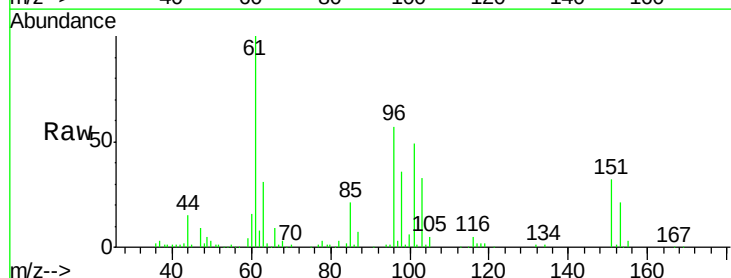
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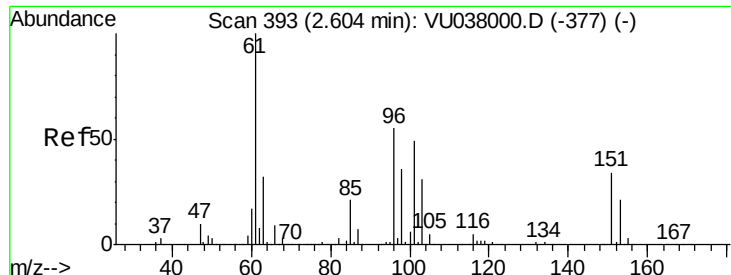


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.958 ug/l
RT: 2.60 min Scan# 393
Delta R.T. 0.00 min
Lab File: VU037998.D
Acq: 04 May 2020 11:44

Tgt Ion	Ratio	Lower	Upper
101	100		
85	44.3	35.5	53.3
151	67.8	55.2	82.8





#9

1,1-Dichloroethene

Concen: 2.102 ug/l

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

Instrument :

MSVOA_U

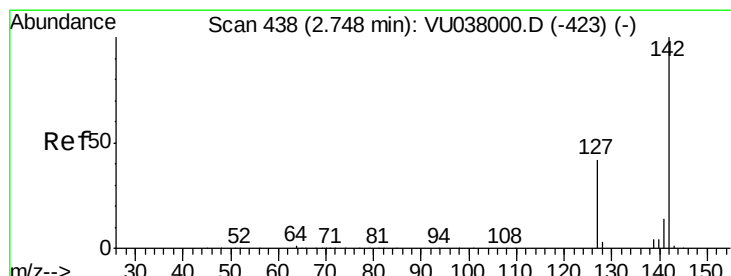
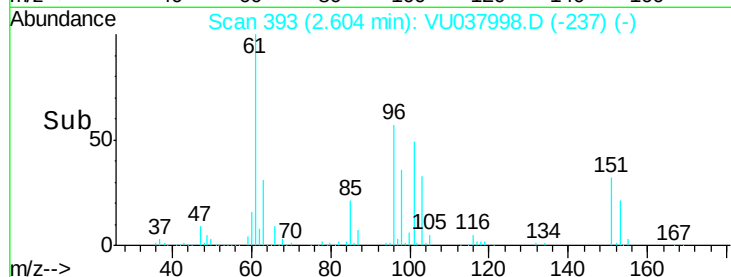
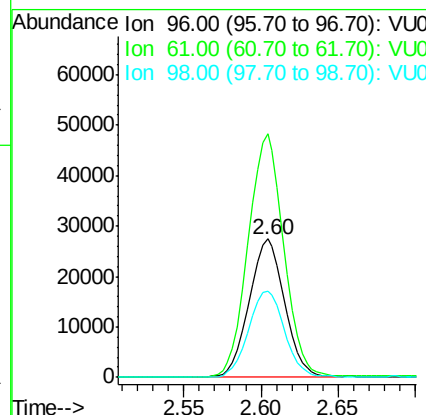
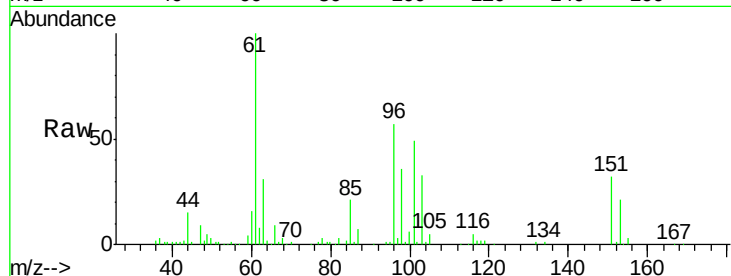
ClientSampleId :

VSTDIC002

Tot Ion:	96	Resp:	43967
Ion	Ratio	Lower	Upper
96	100		
61	175.7	0.0	543.0
98	62.6	0.0	129.4

Manual Integrations
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5/5/2020 11:15:41 AM



#10

Iodomethane

Concen: 2.044 ug/l

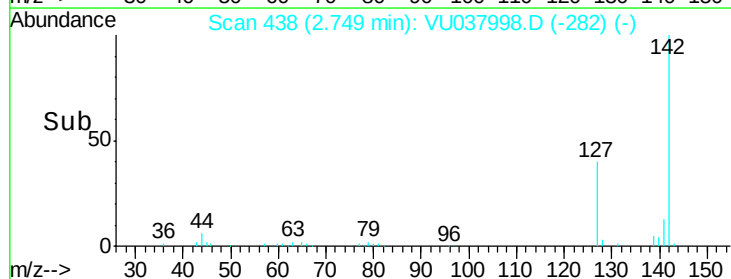
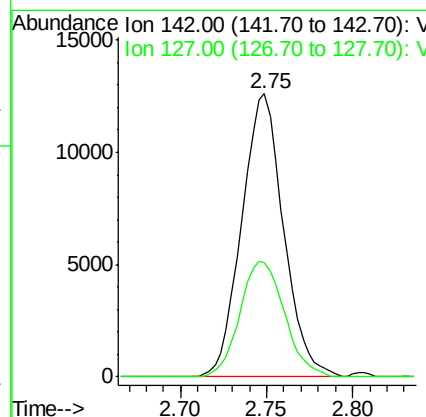
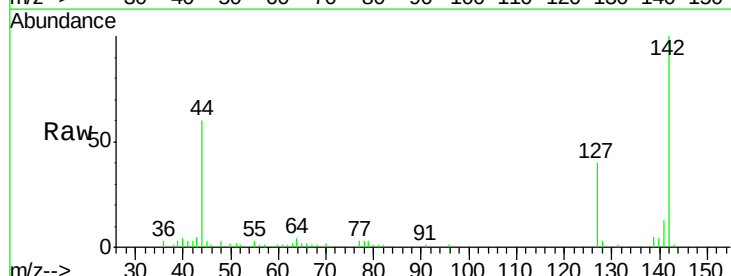
RT: 2.75 min Scan# 438

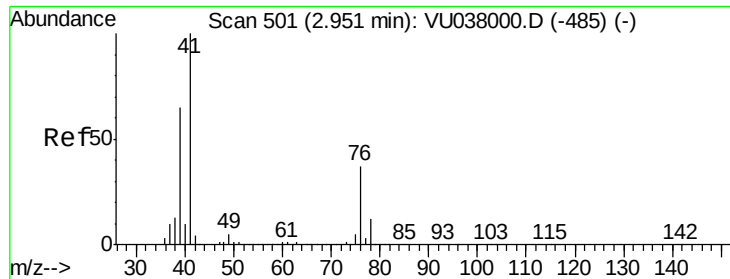
Delta R.T. 0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

Tgt Ion:	142	Resp:	21341
Ion	Ratio	Lower	Upper
142	100		
127	43.3	33.5	50.3





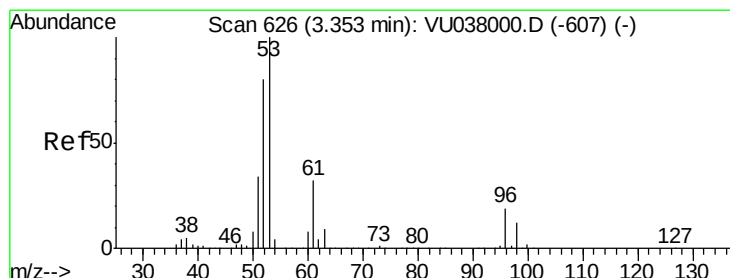
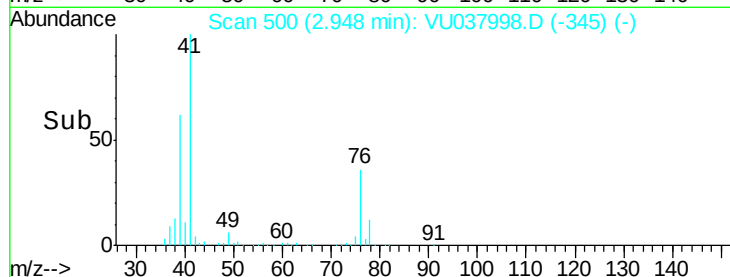
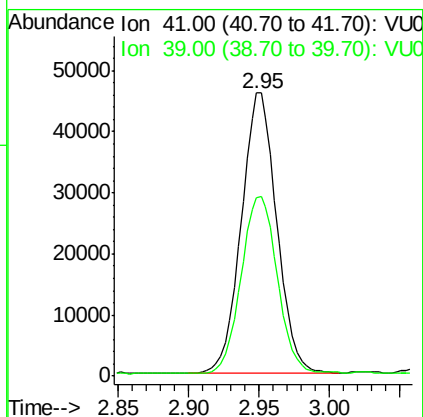
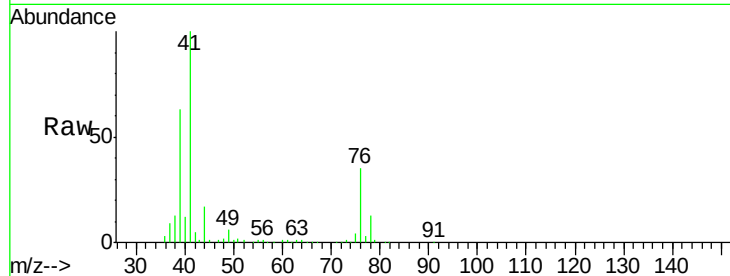
#11
Allvl Chloride
Concen: 1.990 ug/l
RT: 2.95 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU037998.D
Acq: 04 May 2020 11:44

Instrument :
MSVOA_U
ClientSampled :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
41	100		
39	63.7	51.7	77.5

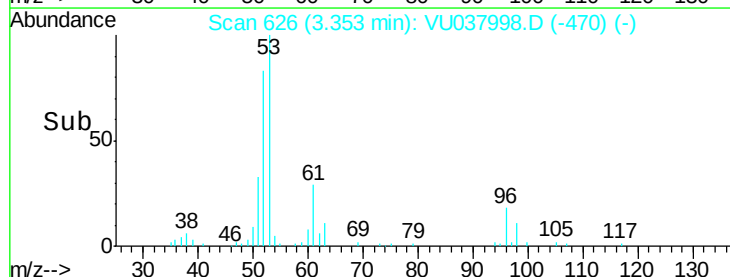
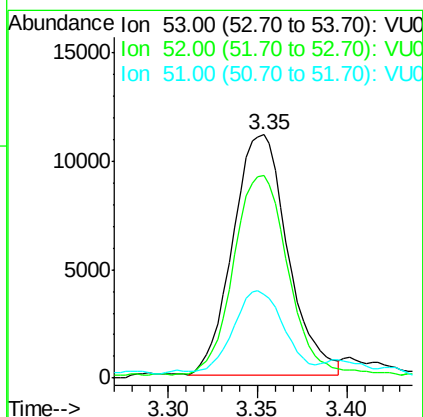
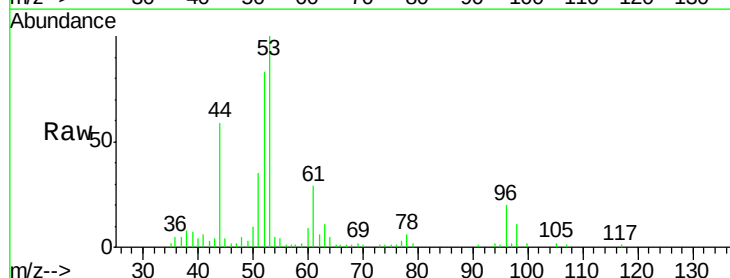
Manual Integrations
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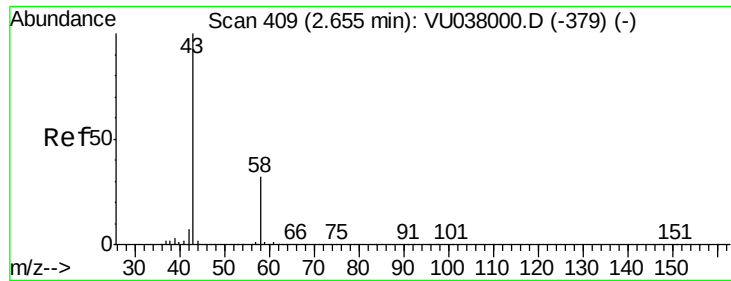
apatel
5/5/2020 11:15:41 AM



#12
Acrylonitrile
Concen: 4.648 ug/l
RT: 3.35 min Scan# 626
Delta R.T. 0.00 min
Lab File: VU037998.D
Acq: 04 May 2020 11:44

Tgt Ion	Ratio	Lower	Upper
53	100		
52	82.6	63.3	94.9
51	29.9	30.2	45.2#





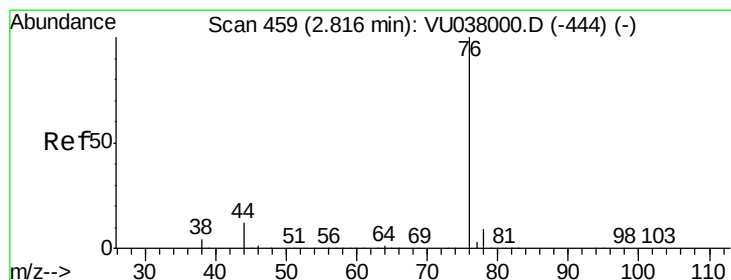
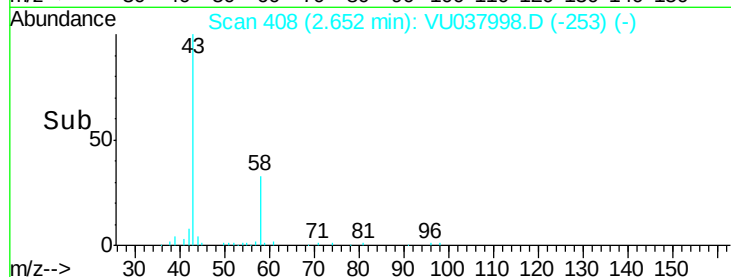
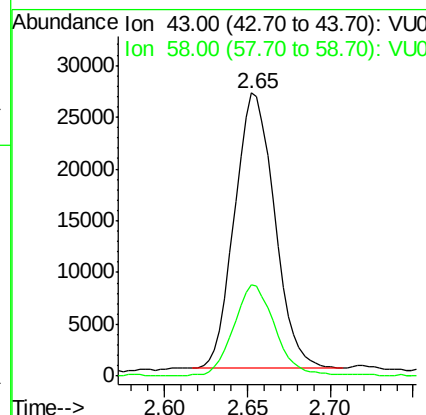
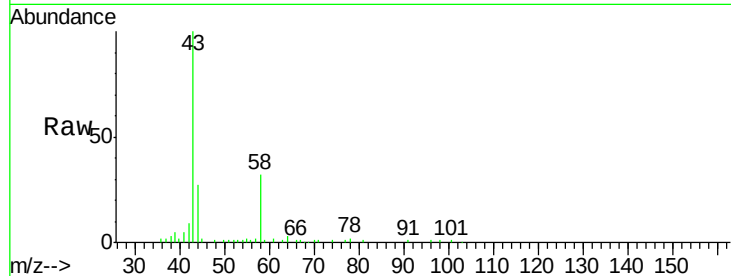
#13
Acetone
Concen: 8.226 ug/l
RT: 2.65 min Scan# 408
Delta R.T. -0.00 min
Lab File: VU037998.D
Acq: 04 May 2020 11:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion: 43 Resp: 44710
Ion Ratio Lower Upper
43 100
58 32.6 25.2 37.8

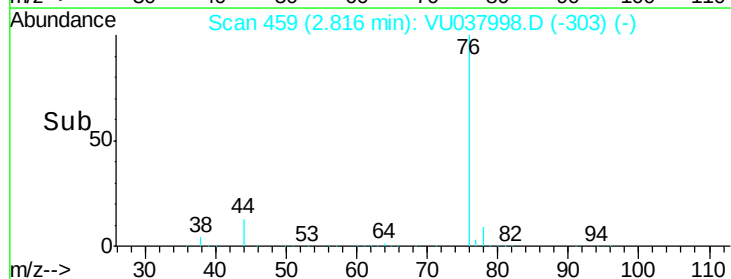
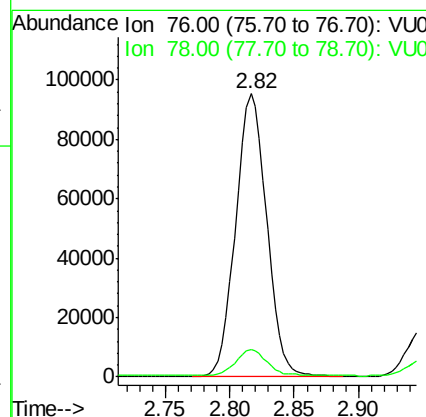
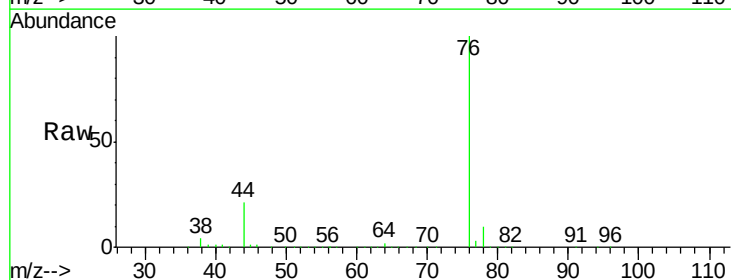
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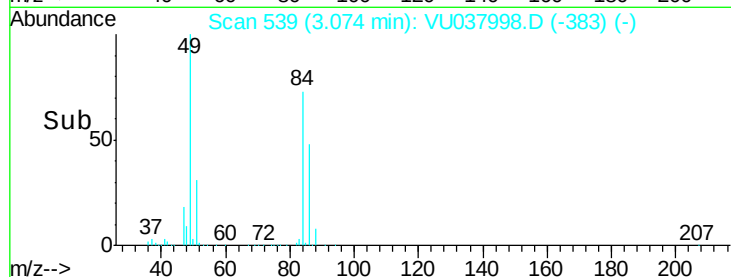
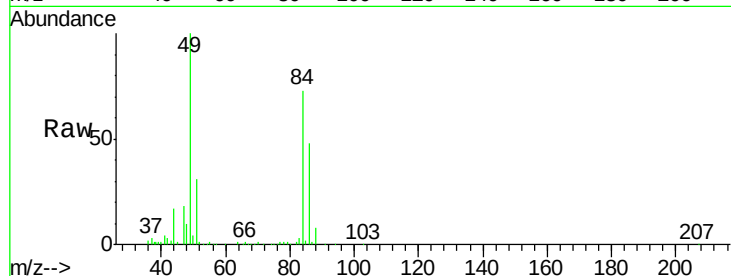
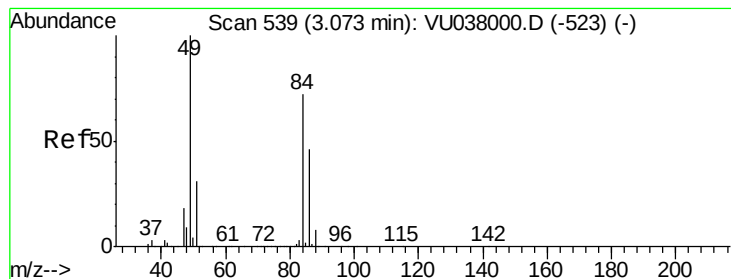
apatel
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#14
Carbon Disulfide
Concen: 2.258 ug/l
RT: 2.82 min Scan# 459
Delta R.T. 0.00 min
Lab File: VU037998.D
Acq: 04 May 2020 11:44

Tgt Ion: 76 Resp: 159988
Ion Ratio Lower Upper
76 100
78 9.4 7.0 10.6





#15

Methylene Chloride

Concen: 2.217 ug/l

RT: 3.07 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU037998.D

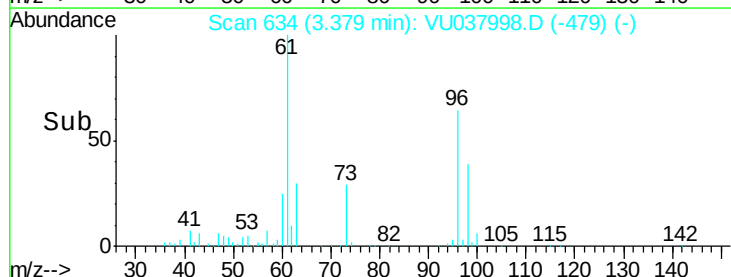
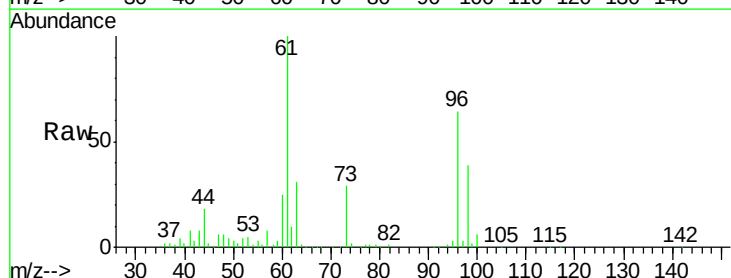
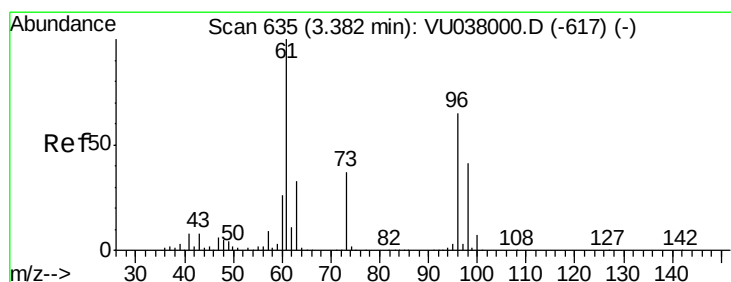
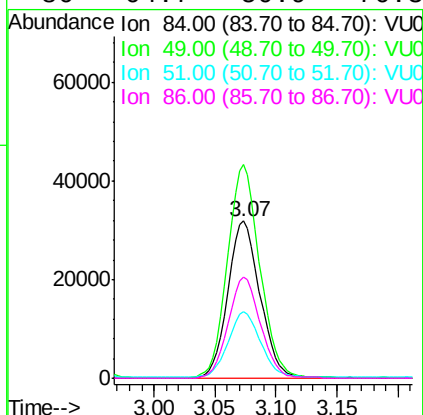
Acq: 04 May 2020 11:44

Tot Ion:	84	Resp:	58772
Ion	Ratio	Lower	Upper
84	100		
49	135.7	110.6	166.0
51	41.8	0.0	85.4
86	64.7	50.9	76.3

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Manual Integrations
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#16

trans-1,2-Dichloroethene

Concen: 2.096 ug/l

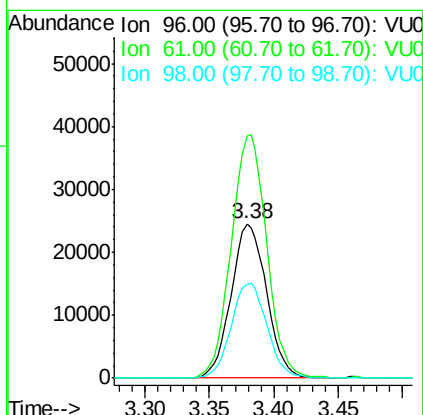
RT: 3.38 min Scan# 634

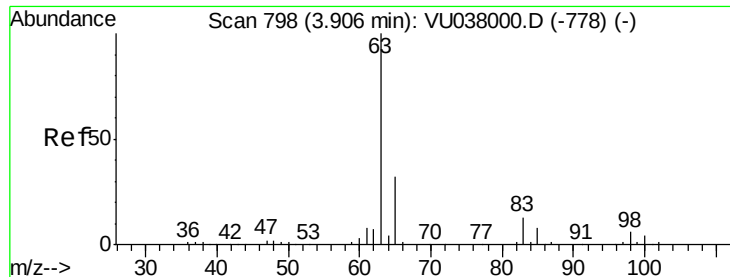
Delta R.T. -0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

Tgt Ion:	96	Resp:	46919
Ion	Ratio	Lower	Upper
96	100		
61	156.7	122.4	183.6
98	60.9	50.1	75.1





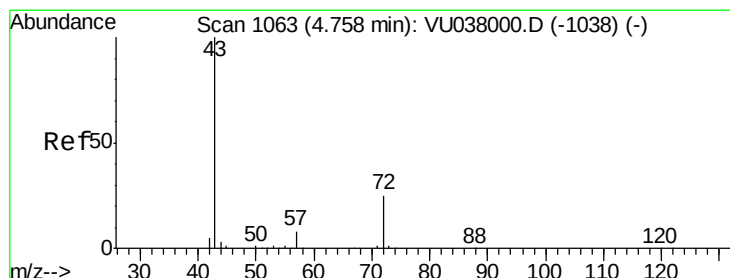
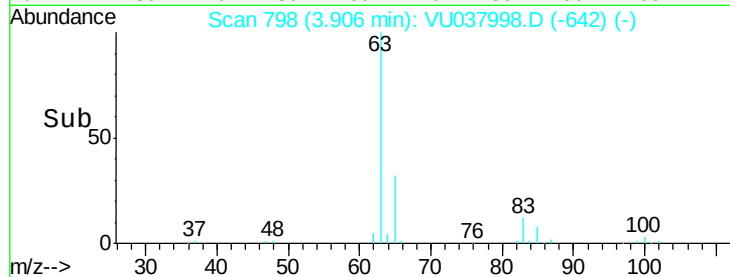
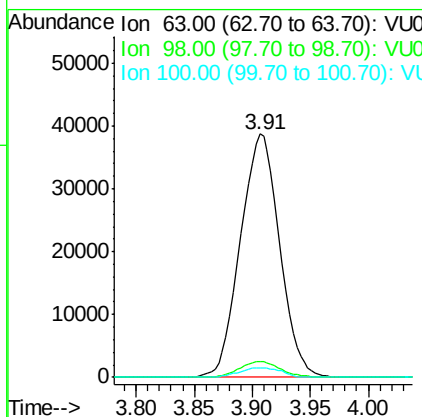
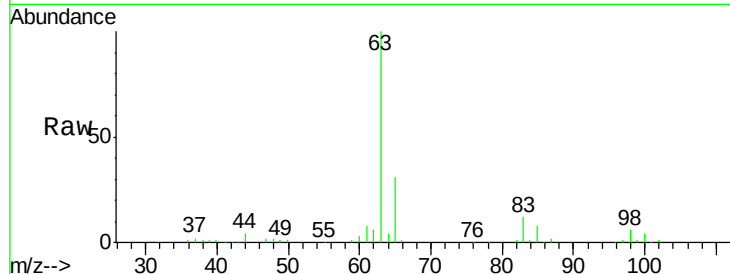
#17
 1,1-Dichloroethane
 Concen: 1.811 ug/l
 RT: 3.91 min Scan# 798
 Delta R.T. 0.00 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion:	63	Resp:	90954
Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.1	9.4
100	4.0	2.2	6.6

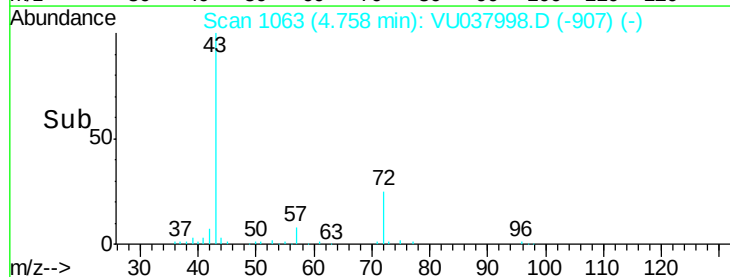
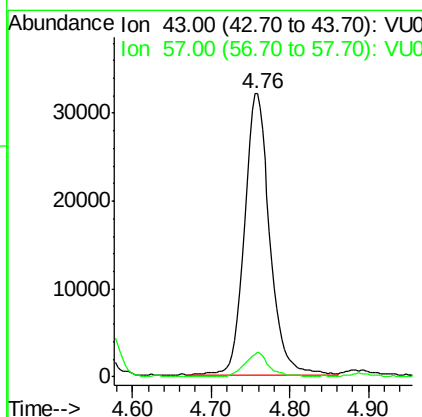
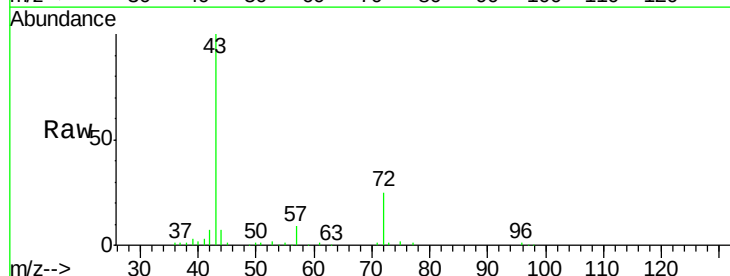
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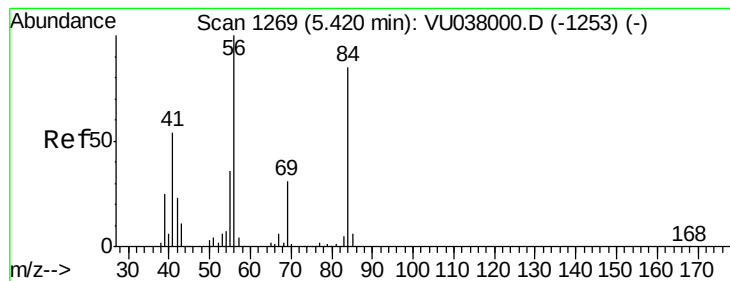
apatel
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#18
 2-Butanone
 Concen: 8.865 ug/l
 RT: 4.76 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

Tgt Ion:	43	Resp:	72674
Ion	Ratio	Lower	Upper
43	100		
57	8.6	0.0	16.6





#19

Cyclohexane

Concen: 2.021 ug/l m

RT: 5.42 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

Instrument :

MSVOA_U

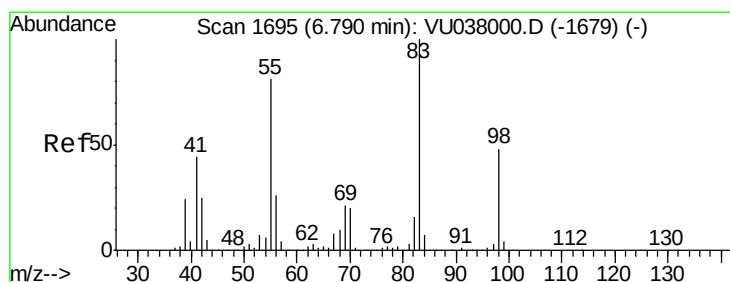
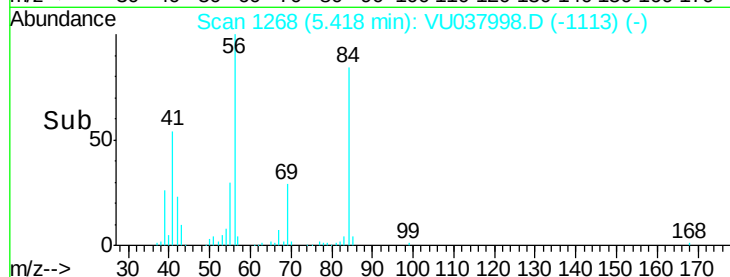
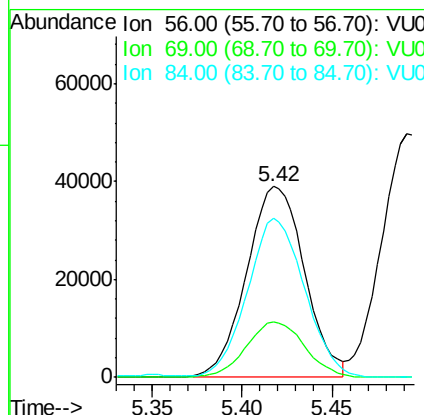
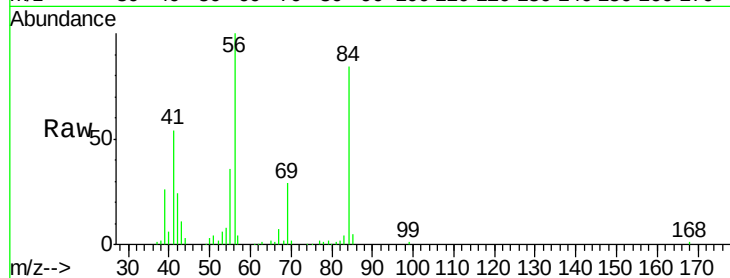
ClientSampleId :

VSTDIC002

Tot Ion:	56	Resp:	87532
Ion Ratio	Lower	Upper	
56	100		
69	29.3	24.3	36.5
84	81.3	66.3	99.5

Manual Integrations
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#20

Methylcyclohexane

Concen: 1.980 ug/l

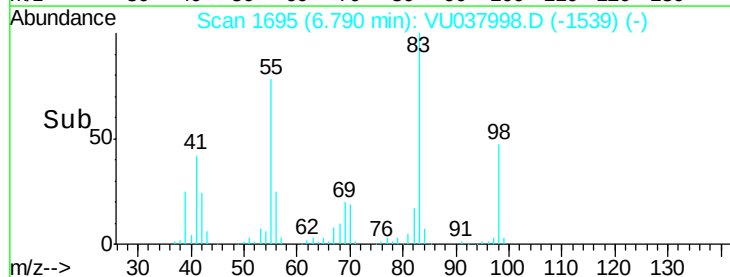
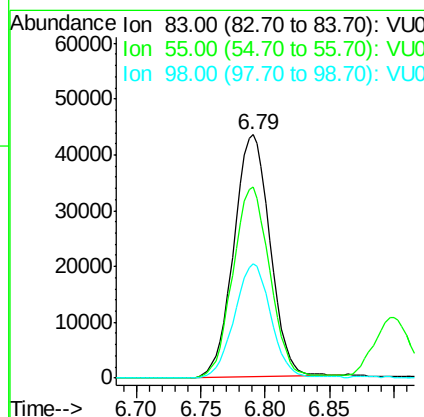
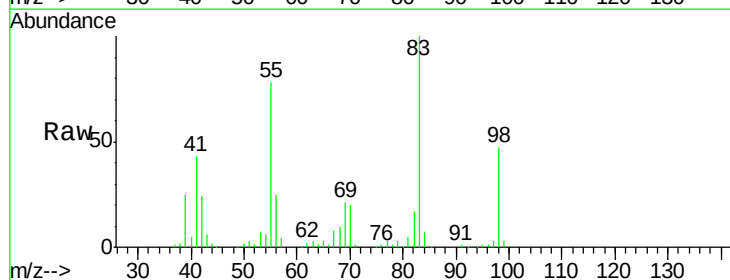
RT: 6.79 min Scan# 1695

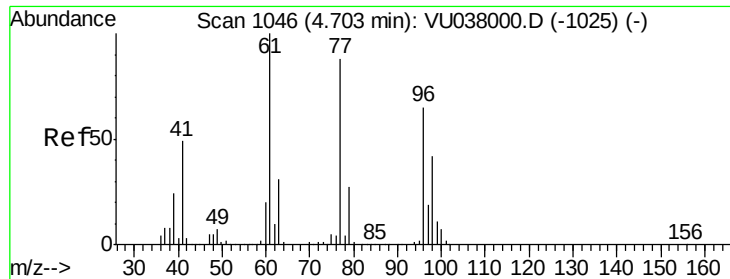
Delta R.T. 0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

Tgt Ion:	83	Resp:	85022
Ion Ratio	Lower	Upper	
83	100		
55	78.7	61.5	92.3
98	46.4	37.3	55.9





#21

2,2-Dichloropropane

Concen: 1.637 ug/l

RT: 4.70 min Scan# 1046

Delta R.T. 0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

Instrument :

MSVOA_U

ClientSampled :

VSTDIC002

Tot Ion: 77 Resp: 74237

Ion Ratio Lower Upper

77 100

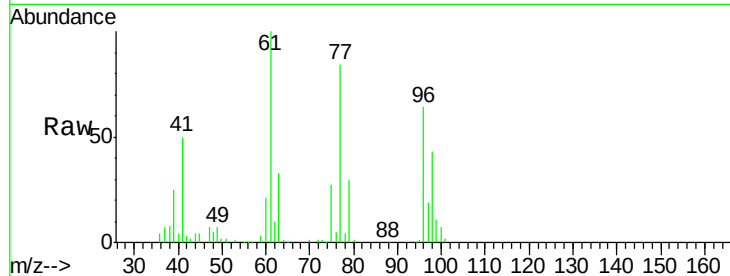
97 20.3 17.4 26.2

Manual Integrations

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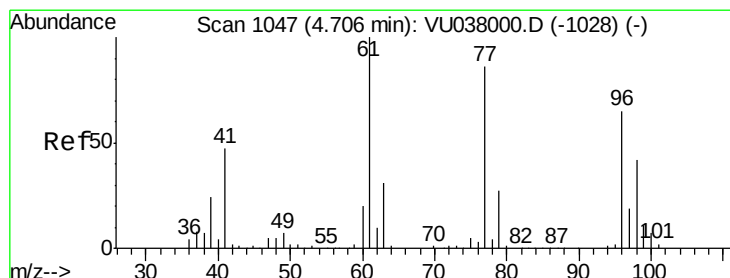
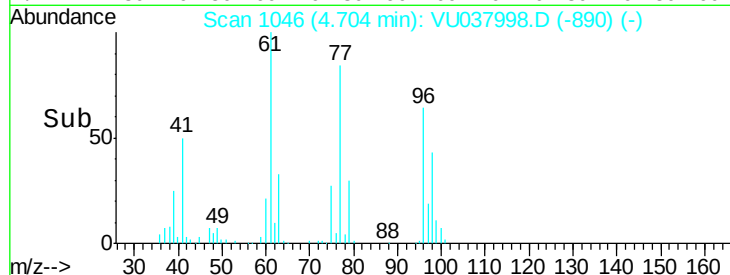
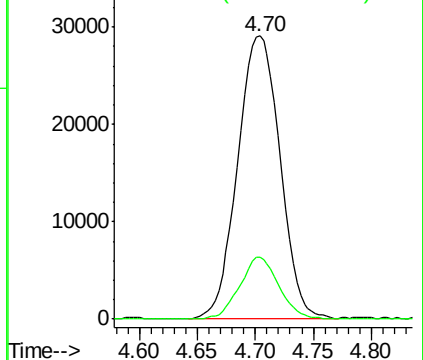
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Abundance Ion 77.00 (76.70 to 77.70): VU037998.D (-890) (-)

Ion 97.00 (96.70 to 97.70): VU037998.D (-890) (-)



#22

cis-1,2-Dichloroethene

Concen: 1.835 ug/l

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

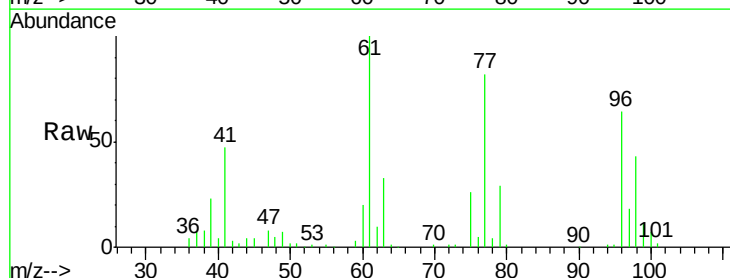
Tgt Ion: 96 Resp: 49444

Ion Ratio Lower Upper

96 100

61 158.8 0.0 389.3

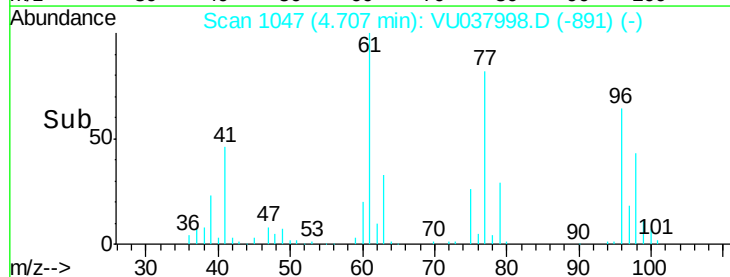
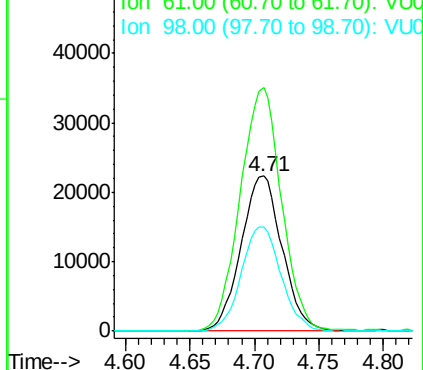
98 65.4 32.1 96.3

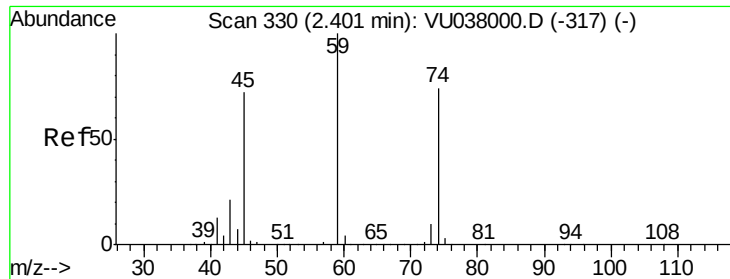


Abundance Ion 96.00 (95.70 to 96.70): VU037998.D (-891) (-)

Ion 61.00 (60.70 to 61.70): VU037998.D (-891) (-)

Ion 98.00 (97.70 to 98.70): VU037998.D (-891) (-)





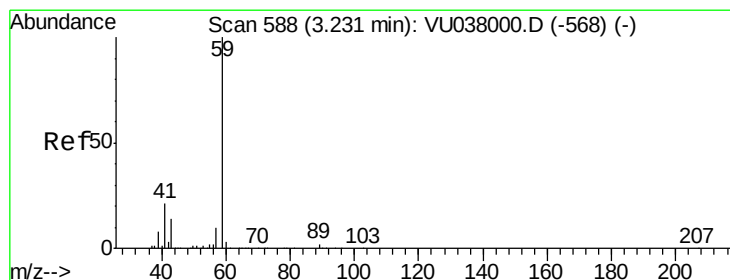
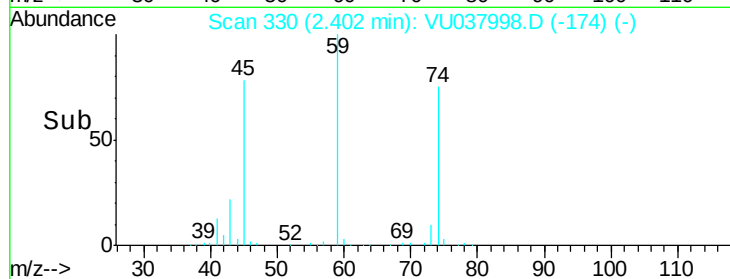
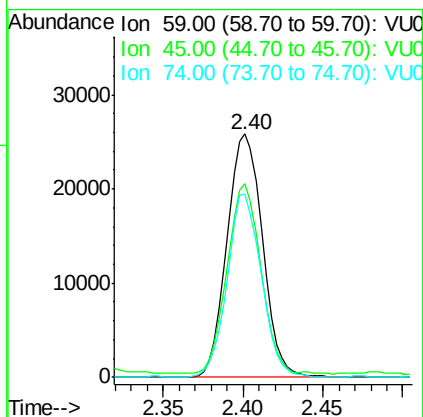
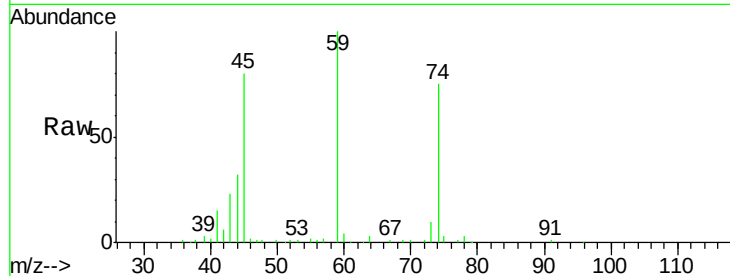
#23
Diethyl Ether
Concen: 2.176 ug/l
RT: 2.40 min Scan# 330
Delta R.T. 0.00 min
Lab File: VU037998.D
Acq: 04 May 2020 11:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
59	100		
45	74.9	59.8	89.6
74	72.5	58.2	87.4

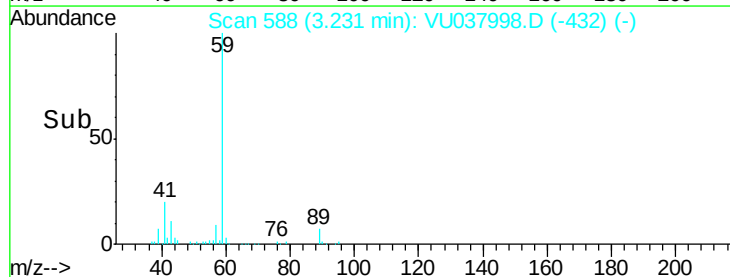
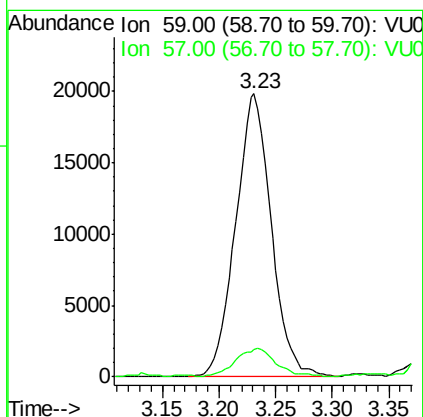
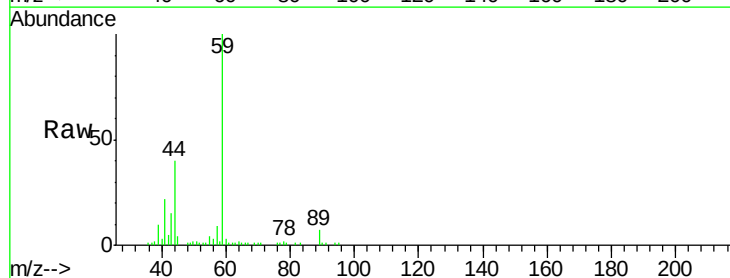
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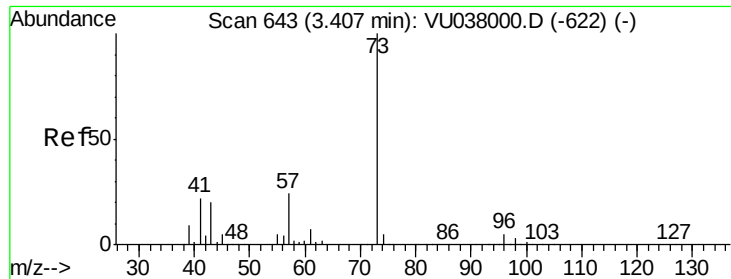
apatel
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#24
tert-Butyl Alcohol
Concen: 22.646 ug/l
RT: 3.23 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU037998.D
Acq: 04 May 2020 11:44

Tgt Ion	Ratio	Lower	Upper
59	100		
57	11.5	8.2	12.4





#25

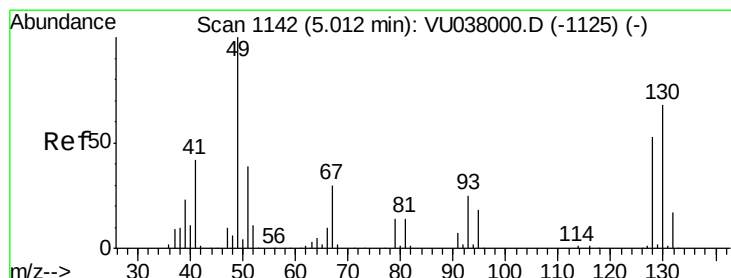
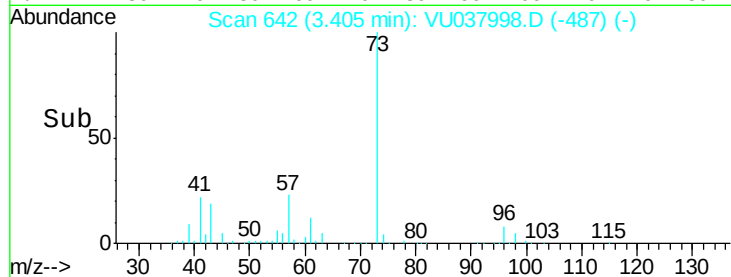
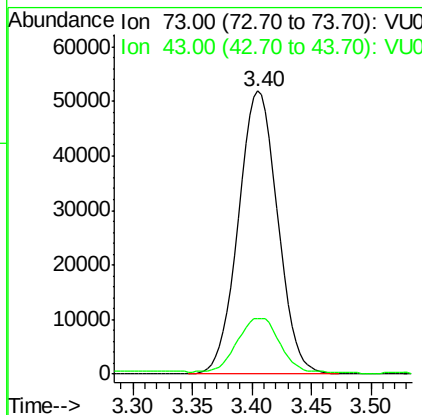
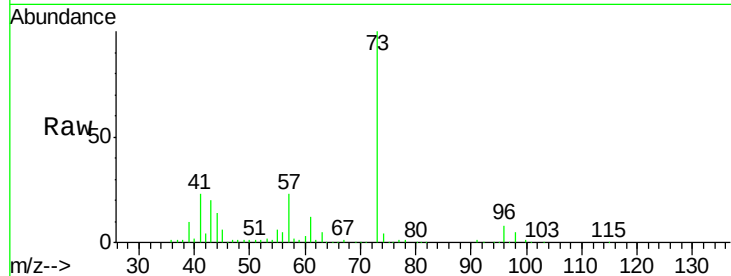
Methyl tert-Butyl Ether
 Concen: 1.955 ug/l
 RT: 3.40 min Scan# 642
 Delta R.T. -0.00 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
73	100		
43	21.0	16.2	24.2

Manual Integrations
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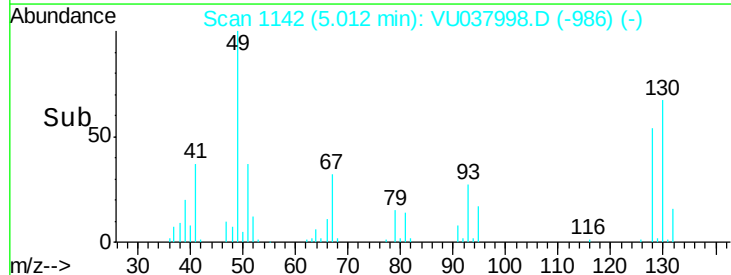
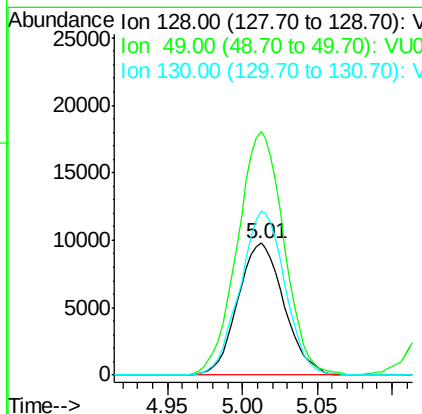
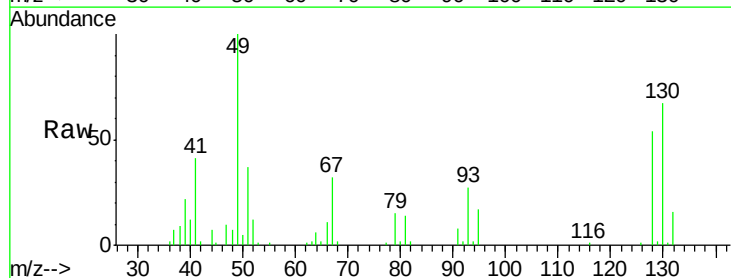
apatel
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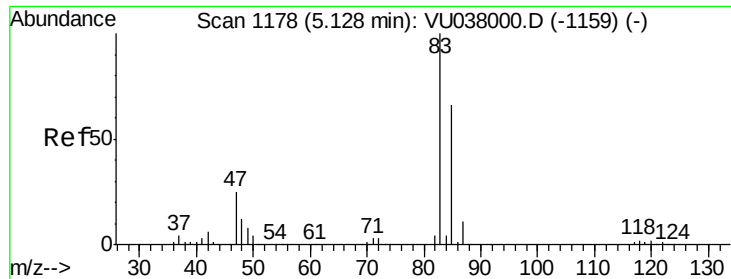


#26

Bromochloromethane
 Concen: 1.791 ug/l
 RT: 5.01 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

Tgt Ion	Ratio	Lower	Upper
128	100		
49	186.4	0.0	376.0
130	120.9	102.6	153.8





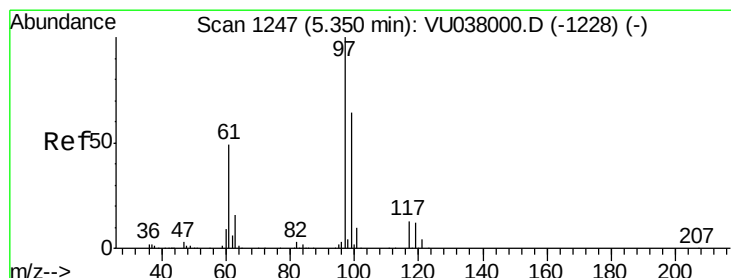
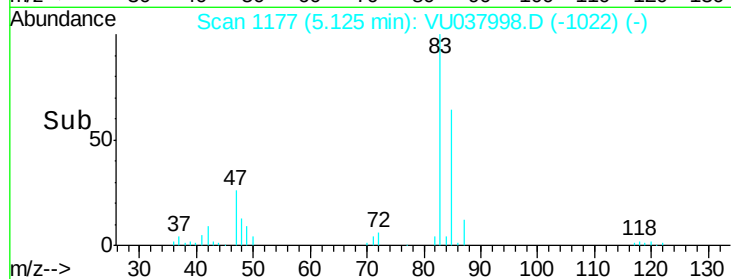
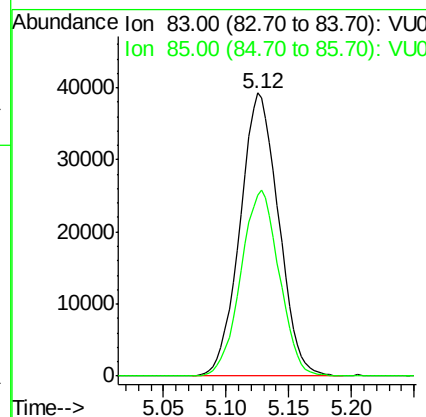
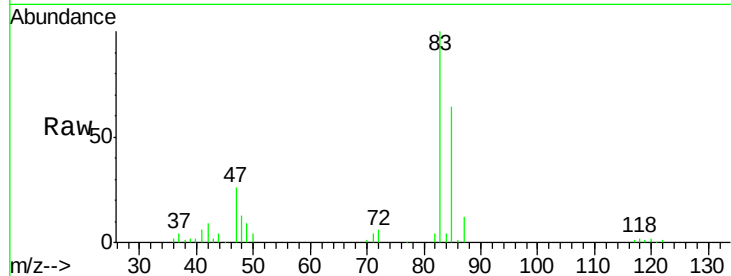
#27
Chloroform
Concen: 1.577 ug/l
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU037998.D
Acq: 04 May 2020 11:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	83	Resp	83896
Ion Ratio	100	Lower	Upper
85	63.9	0.0	132.0

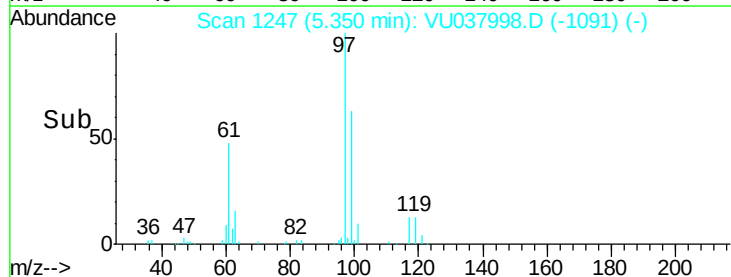
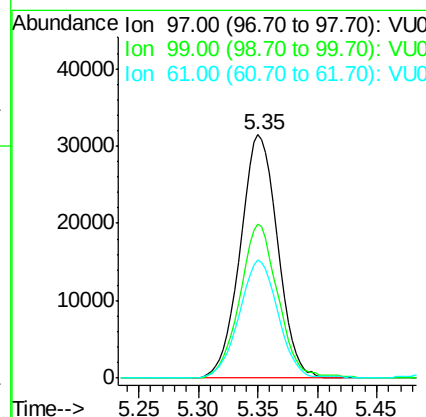
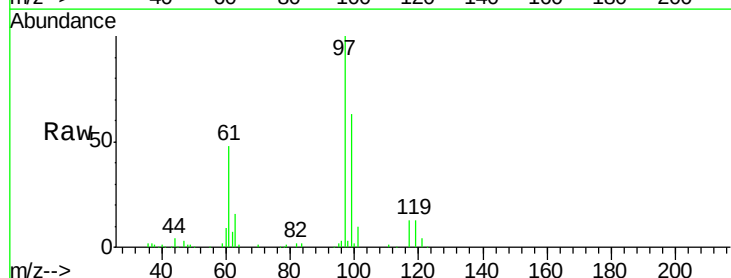
Manual Integrations
APPROVED

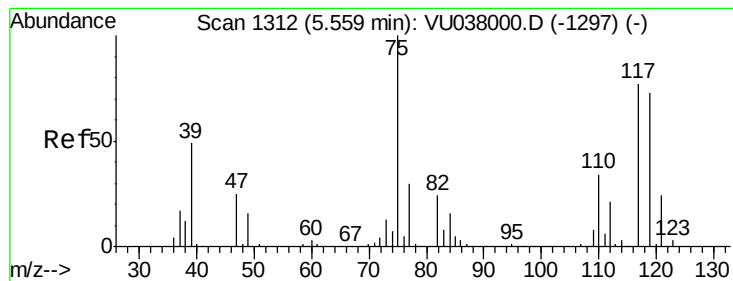
apatel
5/5/2020 11:15:41 AM



#28
1,1,1-Trichloroethane
Concen: 1.522 ug/l
RT: 5.35 min Scan# 1247
Delta R.T. 0.00 min
Lab File: VU037998.D
Acq: 04 May 2020 11:44

Tgt Ion	97	Resp	68579
Ion Ratio	100	Lower	Upper
99	64.6	31.9	95.9
61	50.1	24.1	72.4





#29

1,1-Dichloropropene

Concen: 1.863 ug/l

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

Instrument :

MSVOA_U

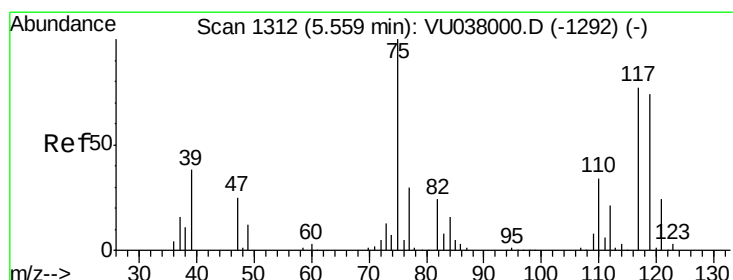
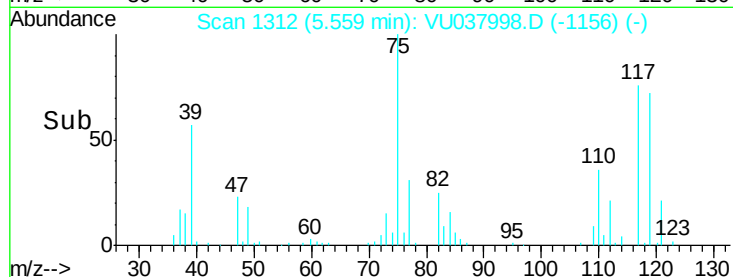
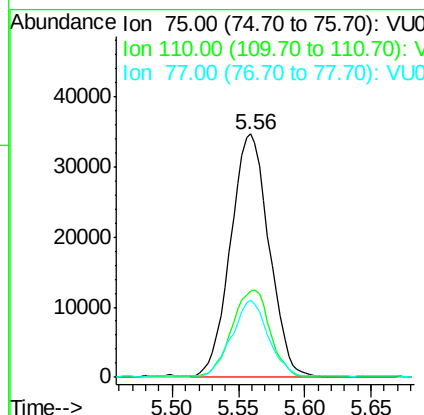
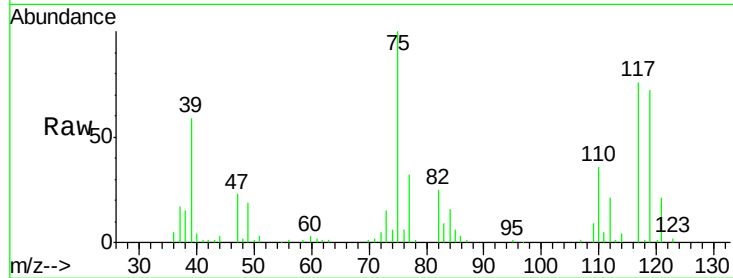
ClientSampleId :

VSTDIC002

Tot Ion:	75	Resp:	70117
Ion Ratio	Lower	Upper	
75	100		
110	35.5	16.7	50.1
77	29.4	24.5	36.7

Manual Integrations
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#30

Carbon Tetrachloride

Concen: 1.474 ug/l

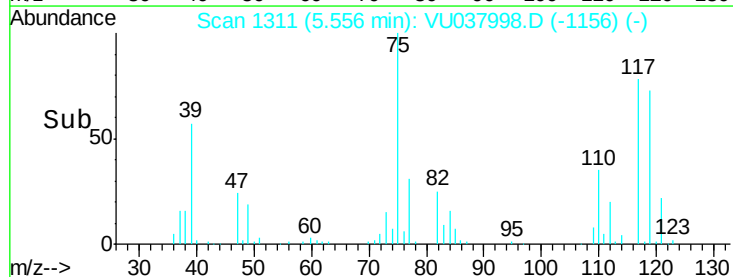
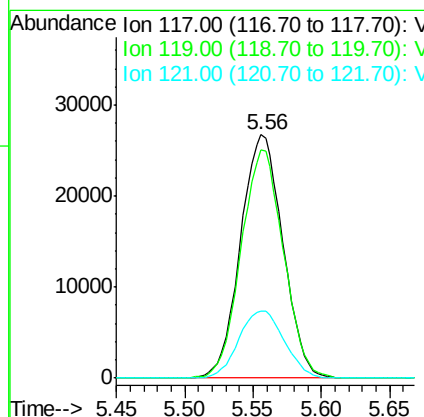
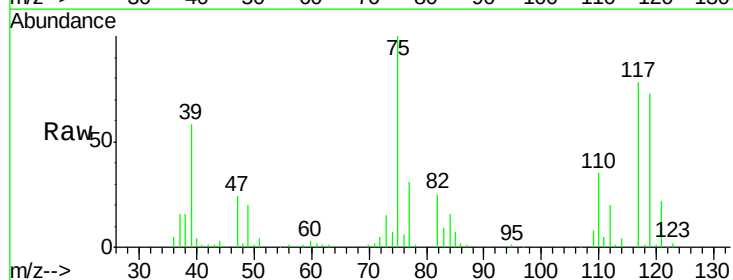
RT: 5.56 min Scan# 1311

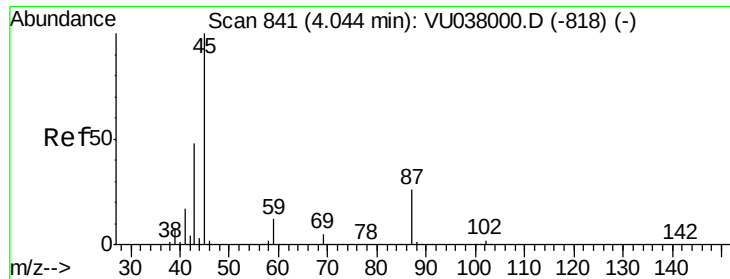
Delta R.T. -0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

Tgt Ion:	117	Resp:	57525
Ion Ratio	Lower	Upper	
117	100		
119	93.7	76.3	114.5
121	27.6	24.7	37.1





#31

Isopropyl Ether

Concen: 1.842 ug/l

RT: 4.04 min Scan# 841

Delta R.T. 0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 45 Resp: 148056

Ion Ratio Lower Upper

45 100

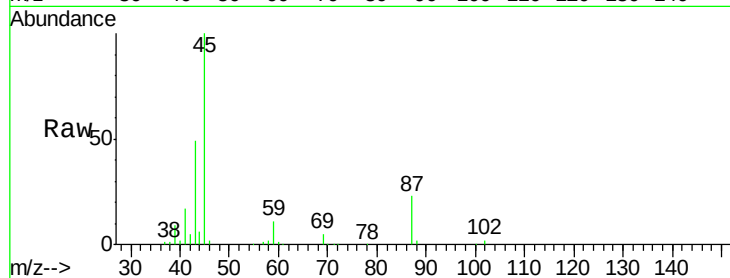
43 49.2 24.2 72.6

Manual Integrations

APPROVED

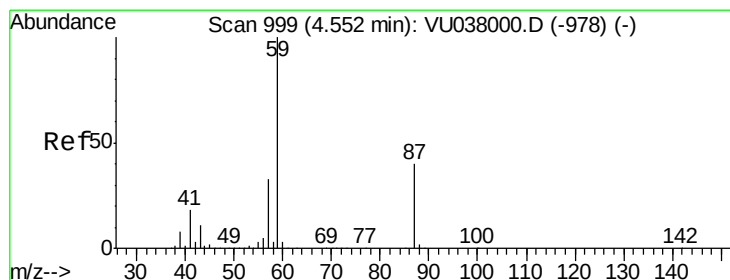
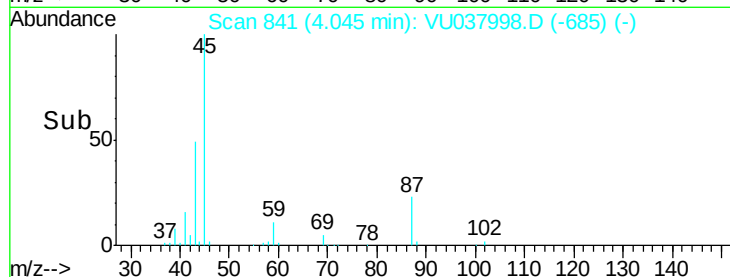
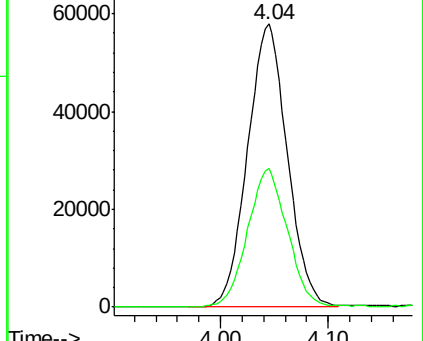
apatel

5/5/2020 11:15:41 AM



Abundance Ion 45.00 (44.70 to 45.70): VU037998.D (-843) (-)

Ion 43.00 (42.70 to 43.70): VU037998.D (-843) (-)



#32

Ethyl-t-butyl ether

Concen: 1.770 ug/l

RT: 4.55 min Scan# 999

Delta R.T. -0.00 min

Lab File: VU037998.D

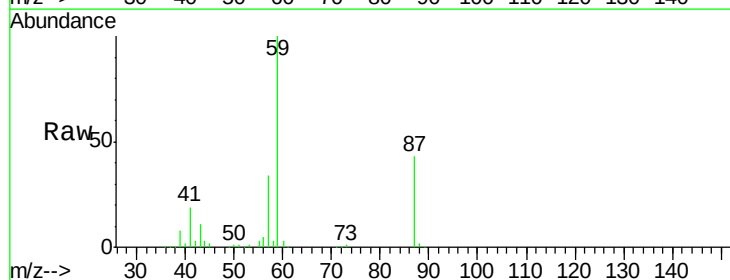
Acq: 04 May 2020 11:44

Tgt Ion: 59 Resp: 133277

Ion Ratio Lower Upper

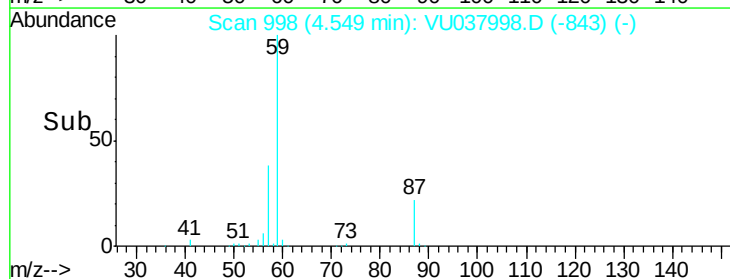
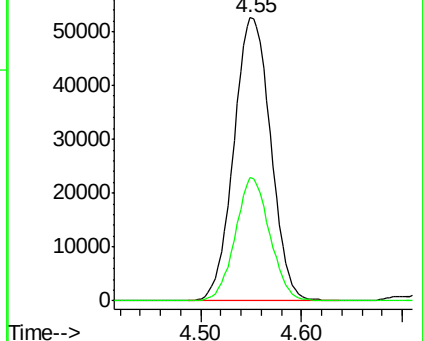
59 100

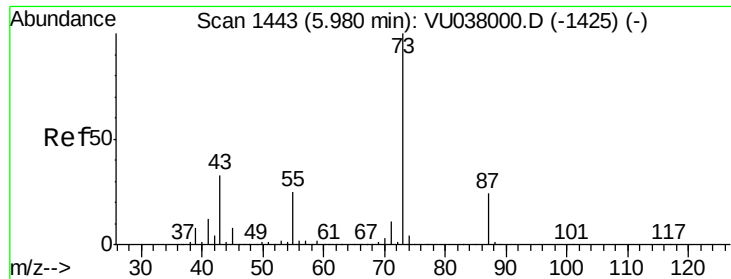
87 40.7 32.4 48.6



Abundance Ion 59.00 (58.70 to 59.70): VU037998.D (-843) (-)

Ion 87.00 (86.70 to 87.70): VU037998.D (-843) (-)





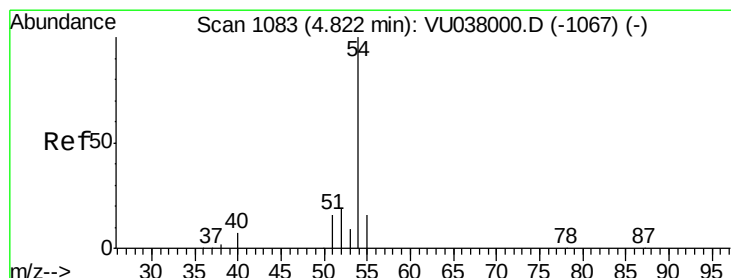
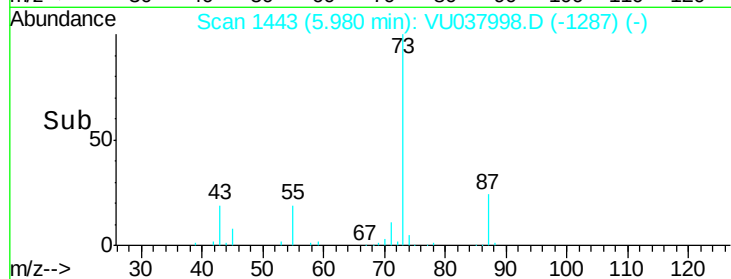
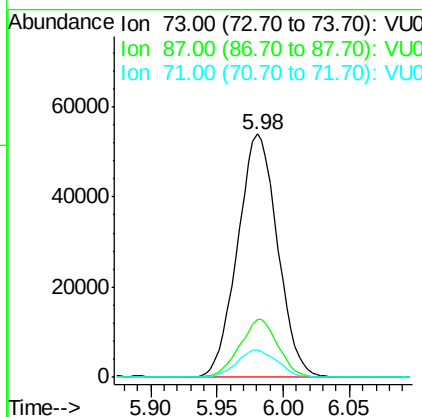
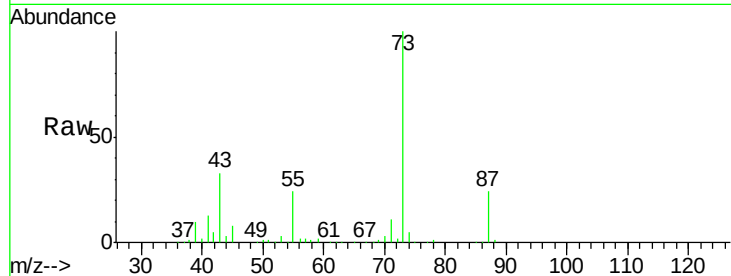
#33
Tert-Butyl methyl ether
Concen: 1.751 ug/l
RT: 5.98 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VU037998.D
Acq: 04 May 2020 11:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
73	100	112916		
87	22.9		18.9	28.3
71	11.4		9.1	13.7

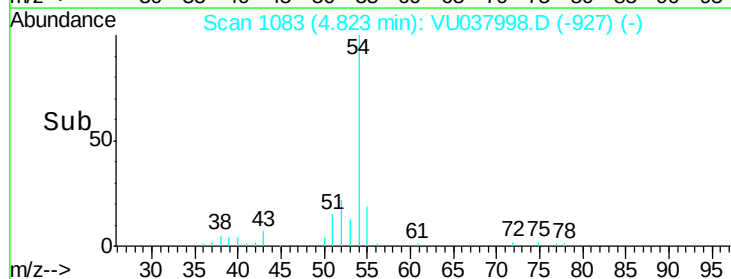
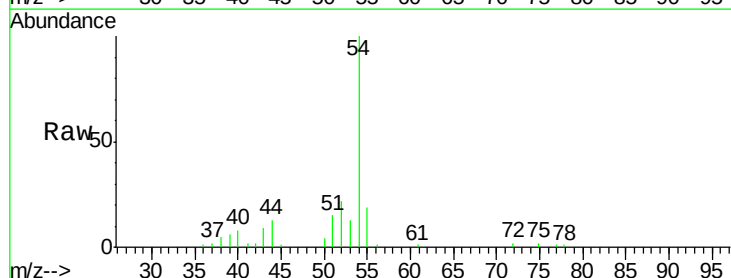
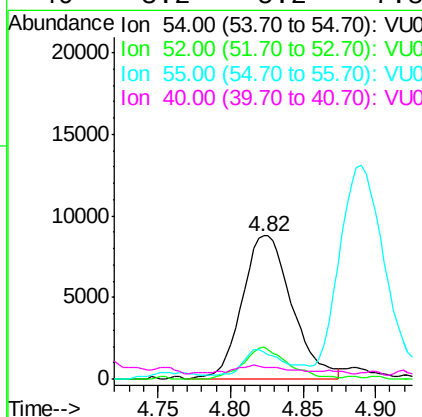
Manual Integrations
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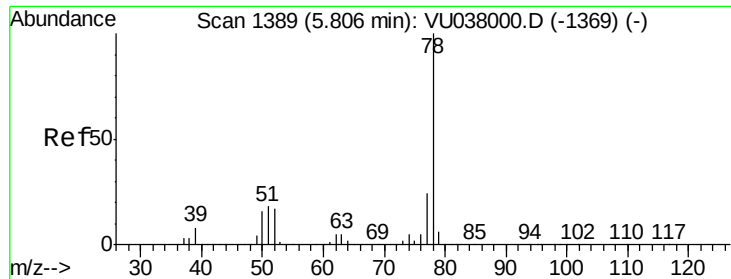
apatel
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#34
Propionitrile
Concen: 9.702 ug/l
RT: 4.82 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VU037998.D
Acq: 04 May 2020 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
54	100	20957		
52	20.2		15.8	23.8
55	15.6		13.2	19.8
40	3.2		5.2	7.8#





#35

Benzene

Concen: 1.828 ug/l

RT: 5.81 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

Instrument :

MSVOA_U

ClientSampled :

VSTDIC002

Tot Ion: 78 Resp: 195054

Ion Ratio Lower Upper

78 100

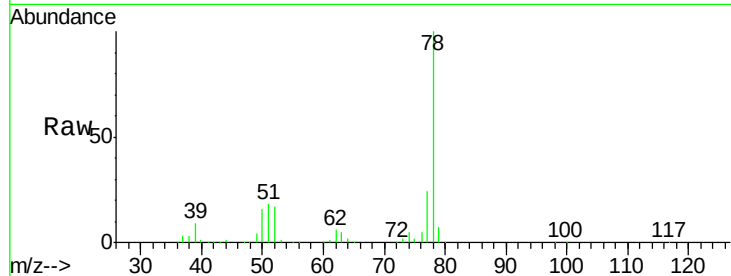
77 23.7 19.3 28.9

Manual Integrations

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Abundance Ion 78.10 (77.80 to 78.80): VU037998.D (-1233) (-)

Ion 77.00 (76.70 to 77.70): VU037998.D (-1233) (-)

5.81

100000

80000

60000

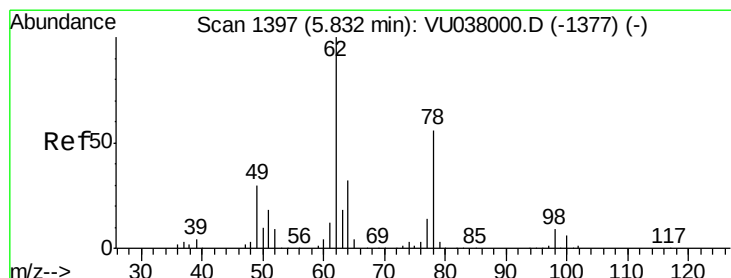
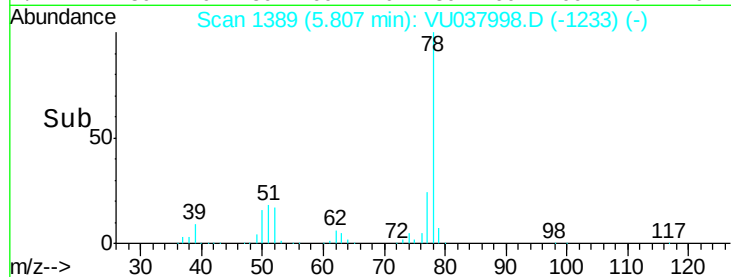
40000

20000

0

5.70 5.80 5.90

Time-->



#36

1,2-Dichloroethane

Concen: 1.586 ug/l

RT: 5.83 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VU037998.D

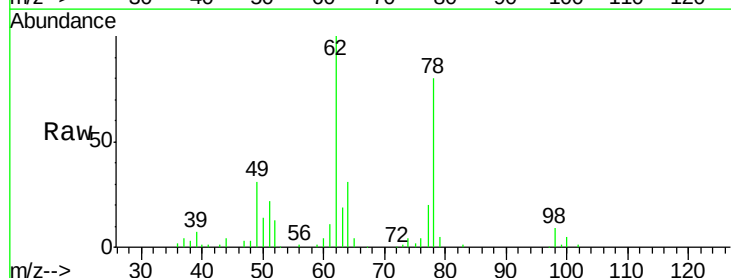
Acq: 04 May 2020 11:44

Tgt Ion: 62 Resp: 59803

Ion Ratio Lower Upper

62 100

98 9.4 7.3 10.9



Abundance Ion 62.00 (61.70 to 62.70): VU037998.D (-1241) (-)

Ion 98.00 (97.70 to 98.70): VU037998.D (-1241) (-)

5.83

30000

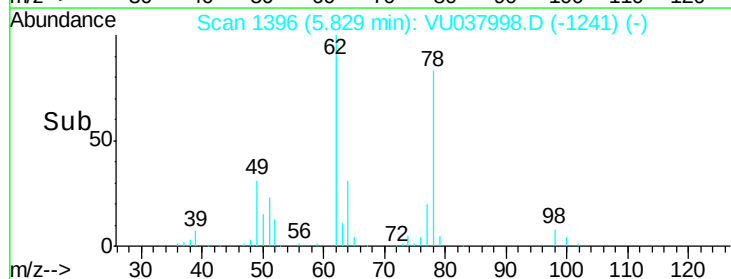
20000

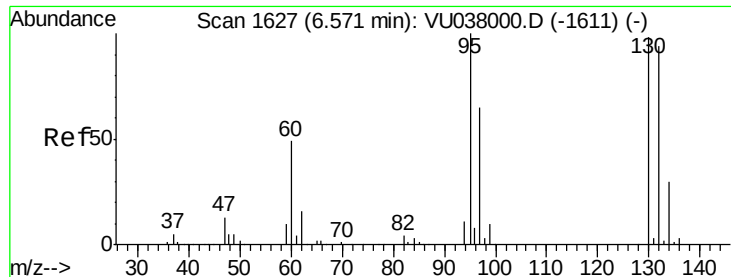
10000

0

5.75 5.80 5.85 5.90

Time-->





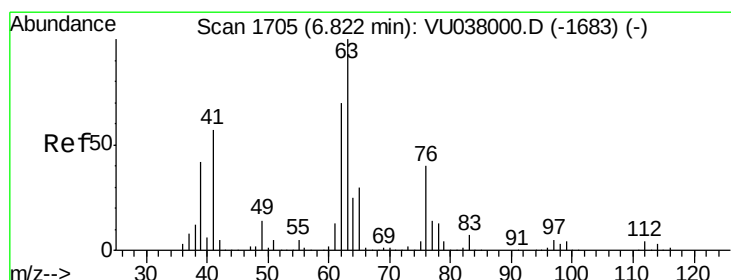
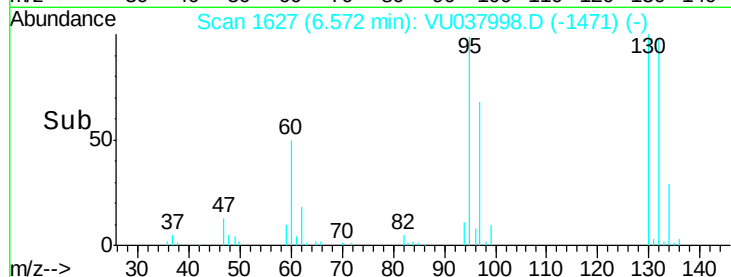
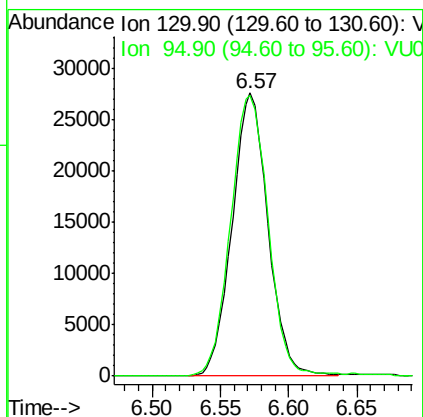
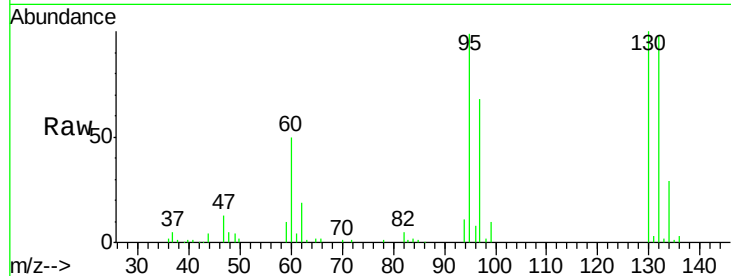
#37
 Trichloroethene
 Concen: 1.799 ug/l
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion:130 Resp: 50452
 Ion Ratio Lower Upper
 130 100
 95 99.4 81.6 122.4

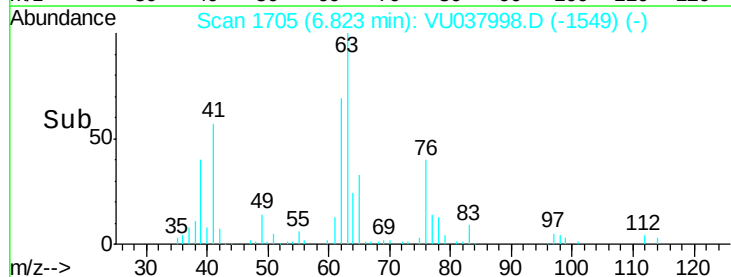
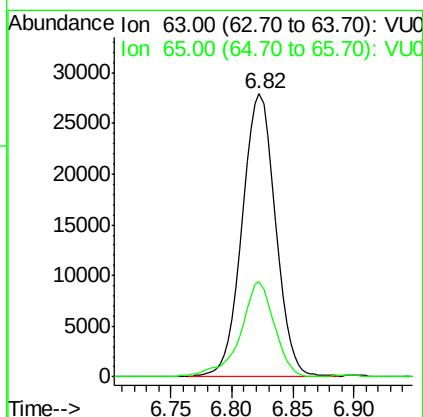
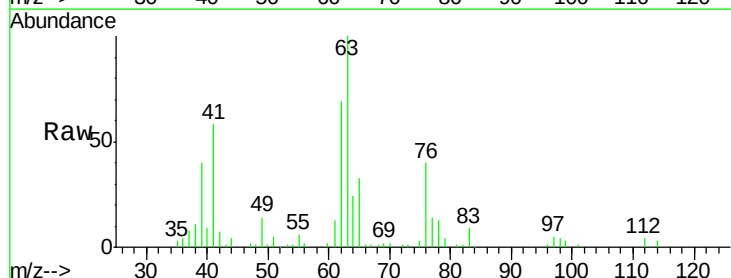
Manual Integrations
 APPROVED

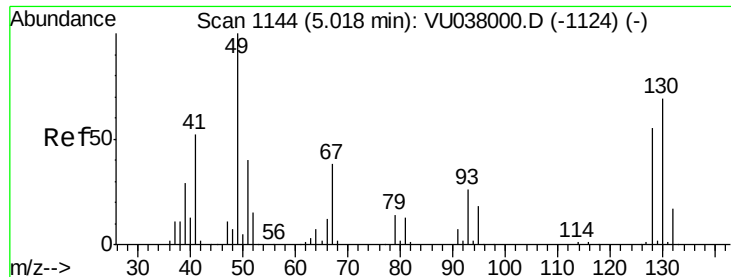
apatel
 5/5/2020 11:15:41 AM



#38
 1,2-Dichloropropane
 Concen: 1.808 ug/l
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

Tgt Ion: 63 Resp: 52709
 Ion Ratio Lower Upper
 63 100
 65 32.8 24.1 36.1





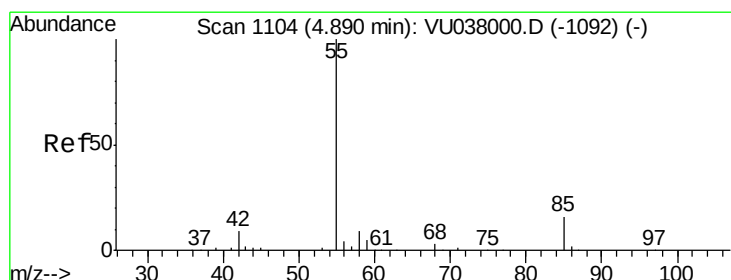
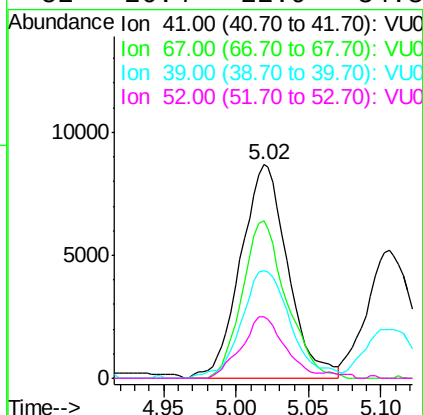
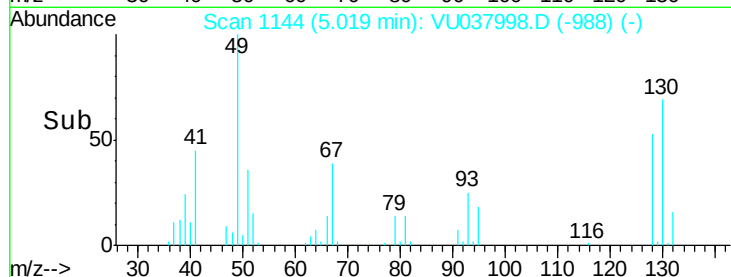
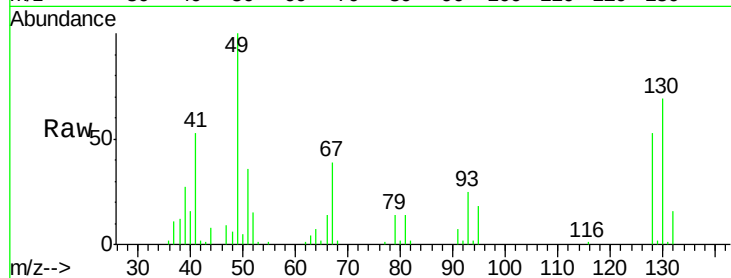
#39
Methacrylonitrile
Concen: 1.909 ug/l
RT: 5.02 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VU037998.D
Acq: 04 May 2020 11:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	41	Resp	19699
Ion	Ratio	Lower	Upper
41	100		
67	68.5	58.0	87.0
39	52.4	43.2	64.8
52	26.4	22.9	34.3

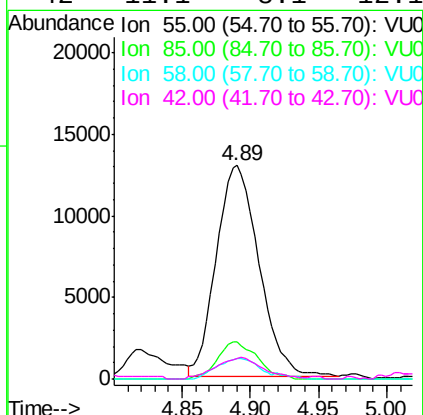
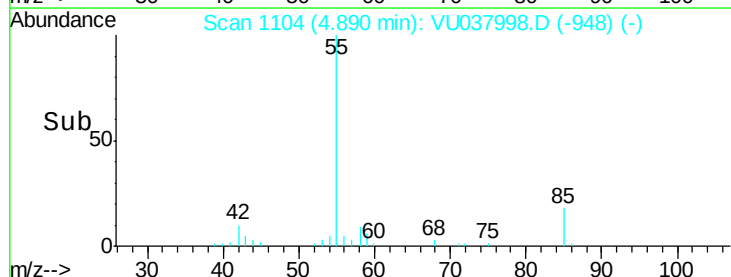
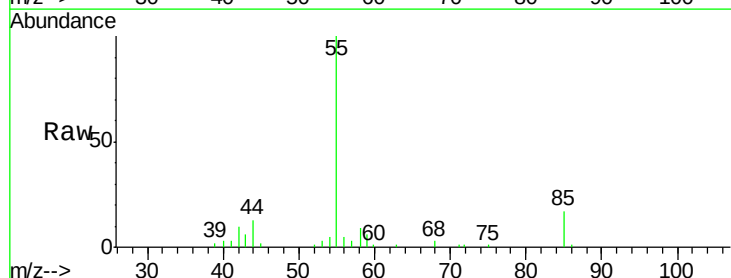
Manual Integrations
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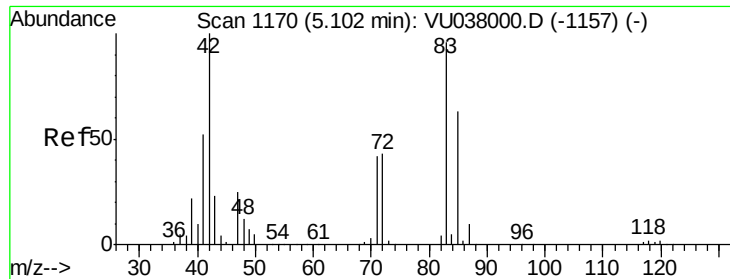
apatel
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#40
Methyl acrylate
Concen: 1.919 ug/l
RT: 4.89 min Scan# 1104
Delta R.T. 0.00 min
Lab File: VU037998.D
Acq: 04 May 2020 11:44

Tgt Ion	55	Resp	27992
Ion	Ratio	Lower	Upper
55	100		
85	16.4	12.9	19.3
58	9.4	7.2	10.8
42	11.1	8.1	12.1





#41

Tetrahydrofuran

Concen: 3.761 ug/l

RT: 5.11 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

Instrument :

MSVOA_U

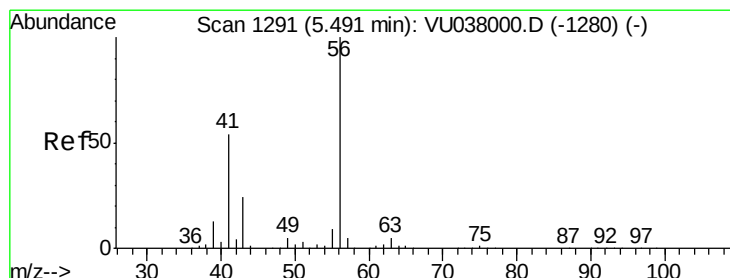
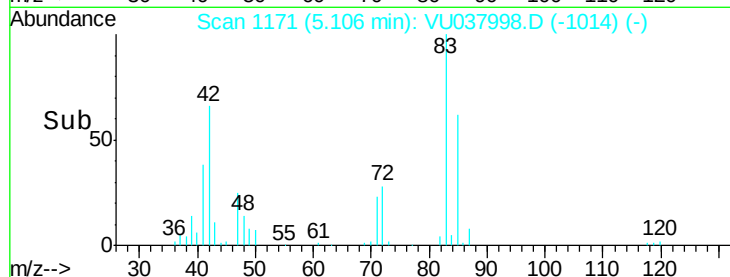
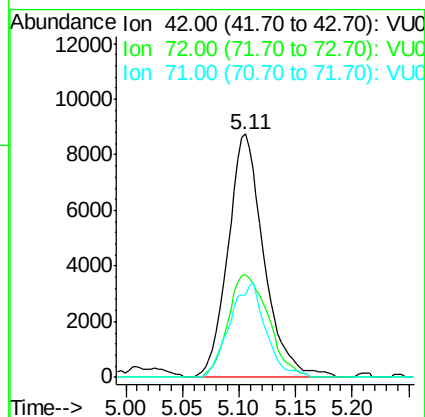
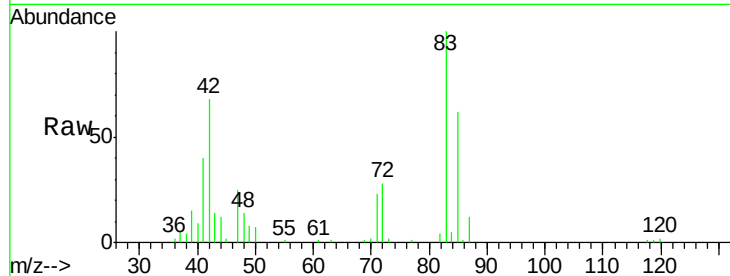
ClientSampleId :

VSTDIC002

Tot Ion:	42	Resp:	19343
Ion	Ratio	Lower	Upper
42	100		
72	47.3	37.4	56.2
71	39.0	32.8	49.2

Manual Integrations
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#42

1-Chlorobutane

Concen: 1.881 ug/l

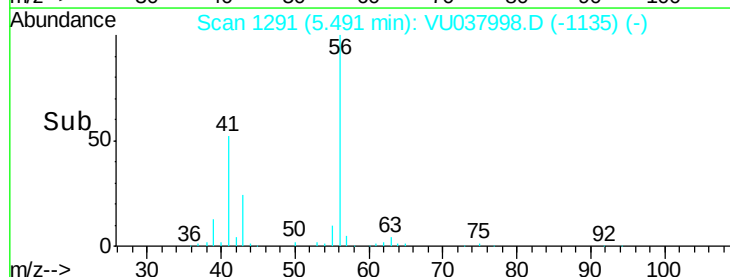
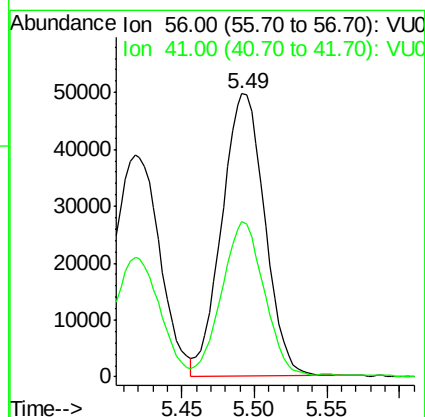
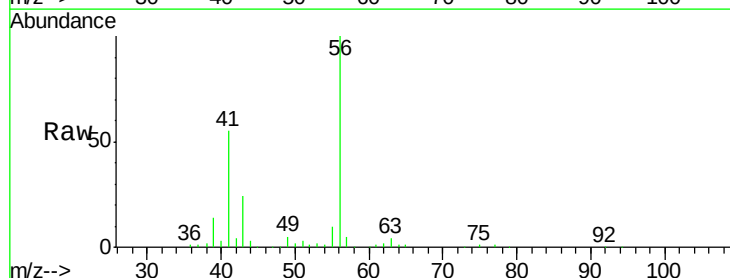
RT: 5.49 min Scan# 1291

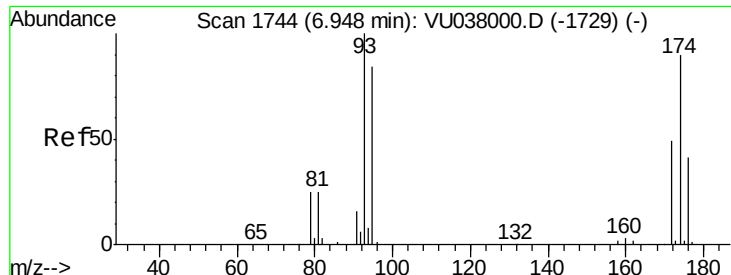
Delta R.T. 0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

Tgt Ion:	56	Resp:	101675
Ion	Ratio	Lower	Upper
56	100		
41	53.0	26.8	80.4





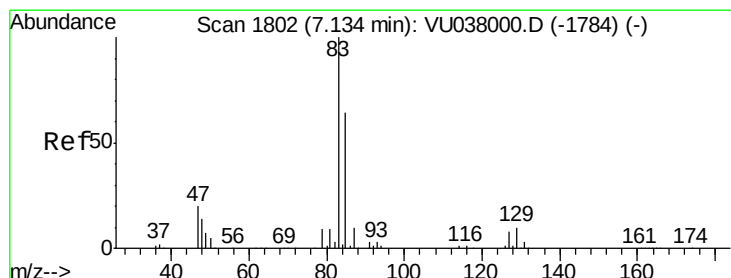
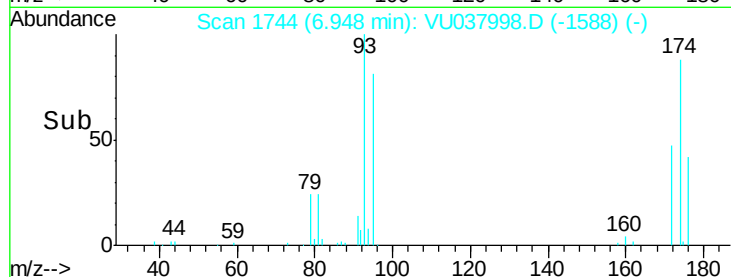
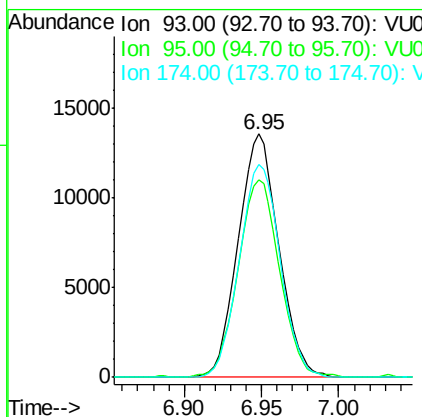
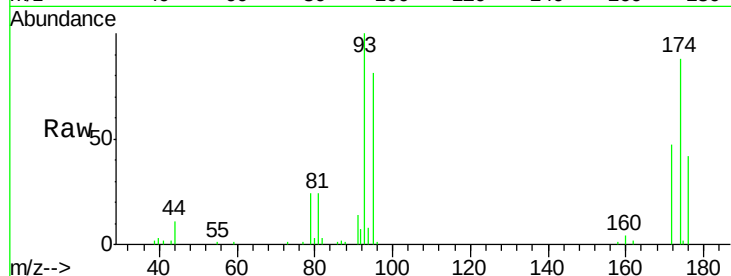
#43
 Dibromomethane
 Concen: 1.680 ug/l
 RT: 6.95 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.1	99.1
174	88.0	72.8	109.2

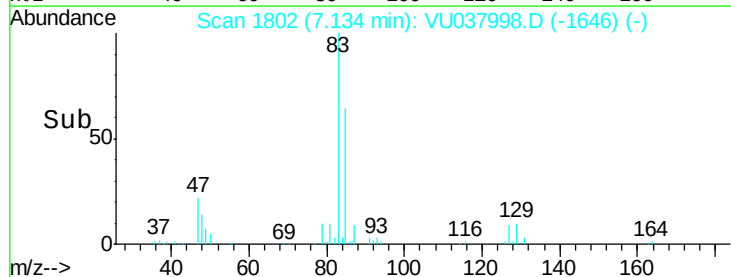
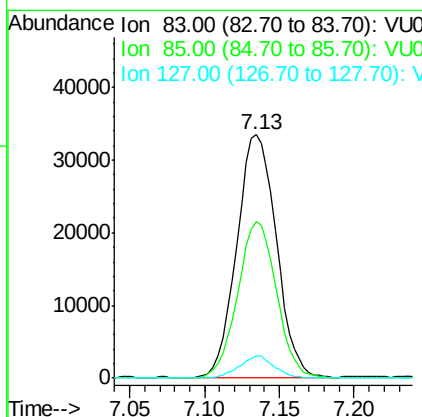
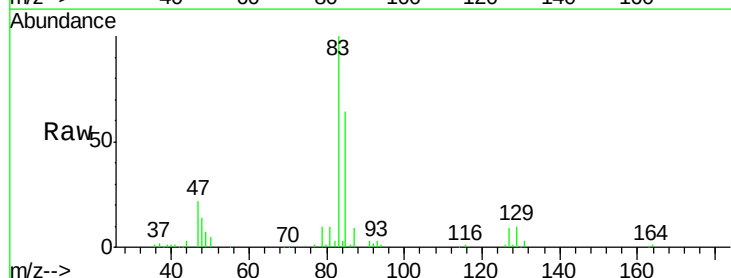
Manual Integrations
 APPROVED

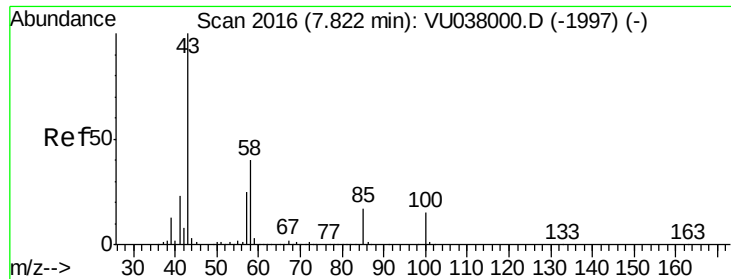
apatel
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#44
 Bromodichloromethane
 Concen: 1.604 ug/l
 RT: 7.13 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.4	77.0
127	9.1	6.2	9.2





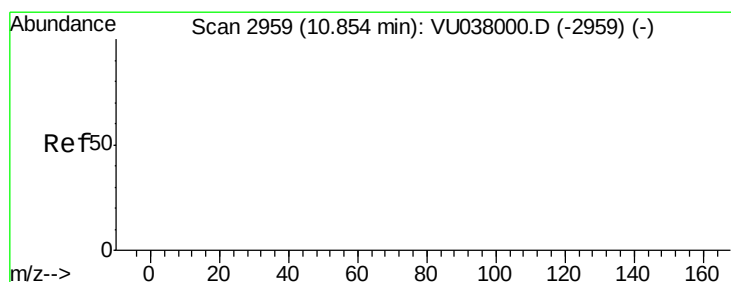
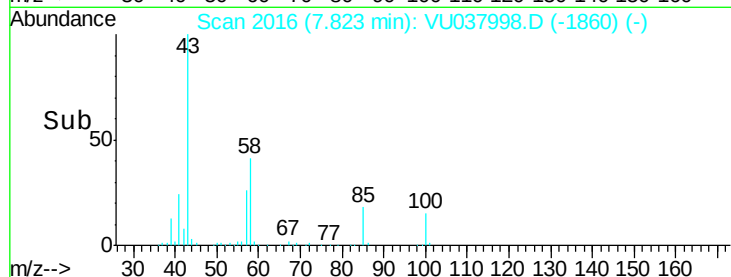
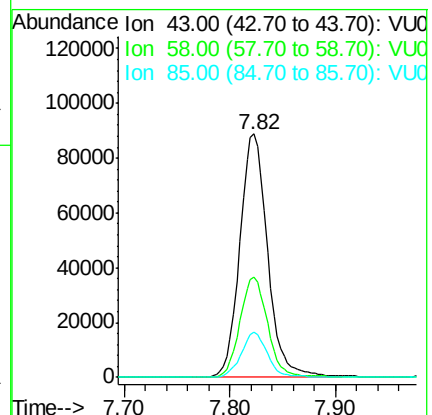
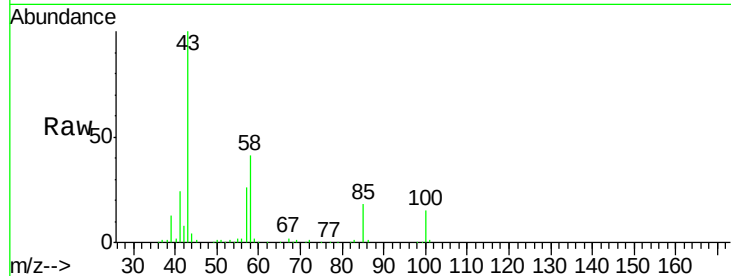
#45
4-Methyl-2-Pentanone
Concen: 8.210 ug/l
RT: 7.82 min Scan# 2016
Delta R.T. 0.00 min
Lab File: VU037998.D
Acq: 04 May 2020 11:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion:	43	Resp:	162636
Ion	Ratio	Lower	Upper
43	100		
58	40.6	20.1	60.3
85	17.5	13.7	20.5

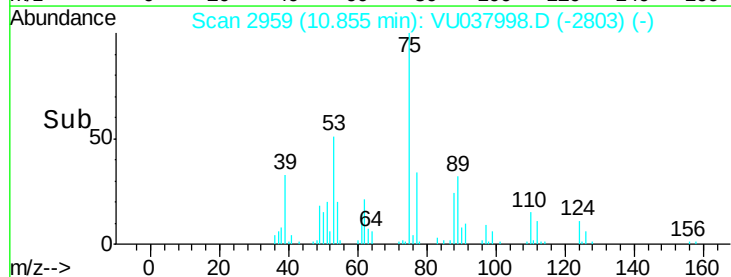
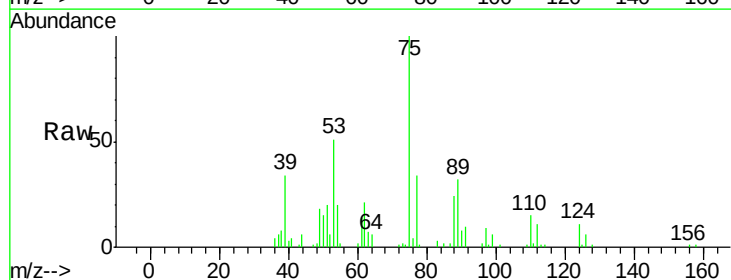
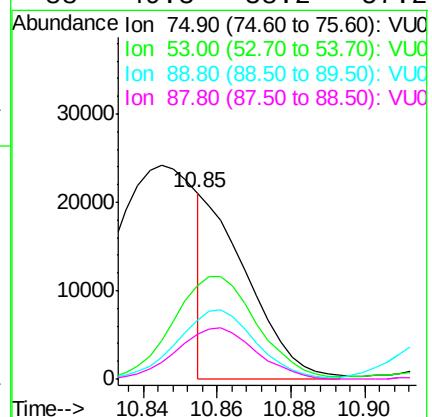
Manual Integrations
APPROVED

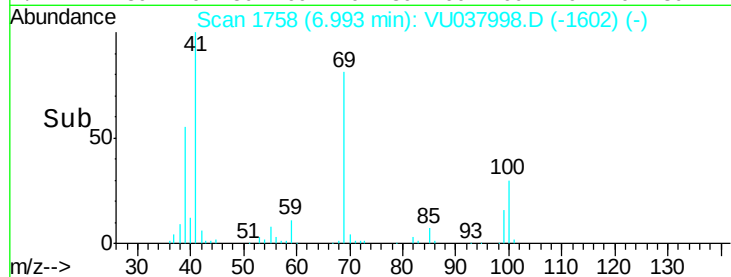
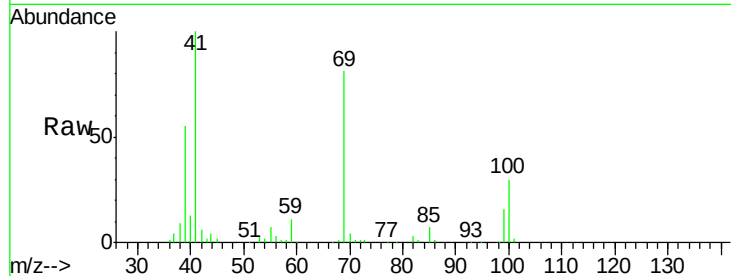
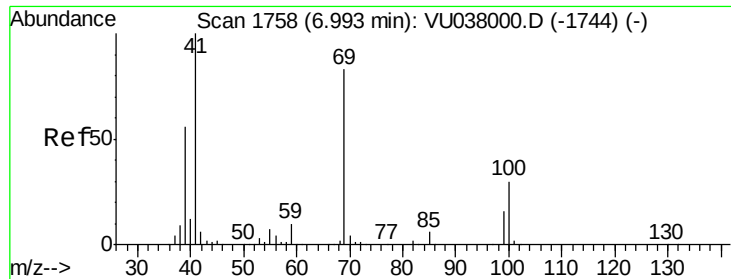
apatel
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#46
t-1,4-Dichloro-2-butene
Concen: 3.253 ug/l m
RT: 10.85 min Scan# 2959
Delta R.T. 0.00 min
Lab File: VU037998.D
Acq: 04 May 2020 11:44

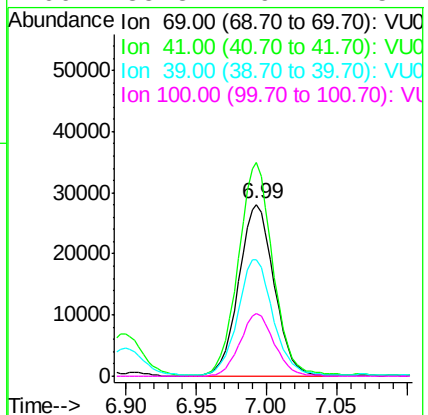
Tgt Ion:	75	Resp:	17592
Ion	Ratio	Lower	Upper
75	100		
53	105.0	81.1	121.7
89	65.9	53.2	79.8
88	49.3	38.2	57.2





#47
Methvl methacrylate
Concen: 3.974 ug/l
RT: 6.99 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VU037998.D
Acq: 04 May 2020 11:44

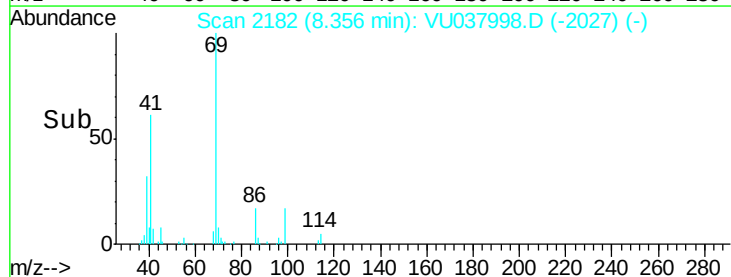
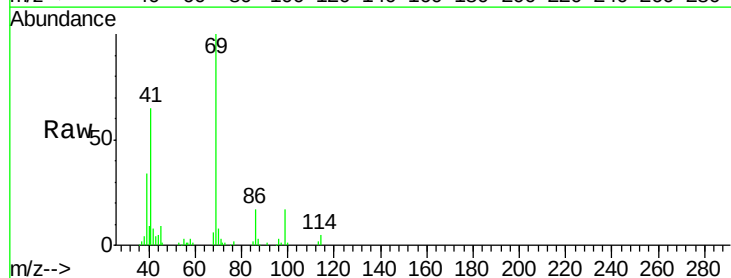
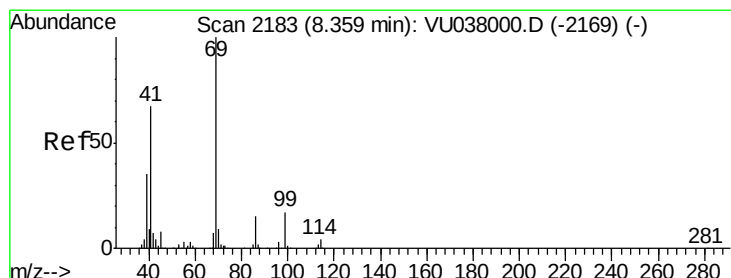
Tot Ion	Ratio	Lower	Upper
69	100		
41	118.9	0.0	241.6
39	66.4	52.9	79.3
100	35.3	29.1	43.7



Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

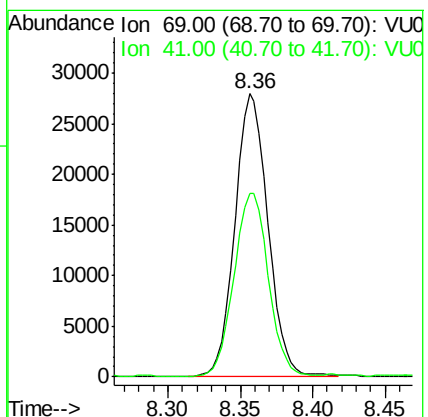
Manual Integrations
APPROVED

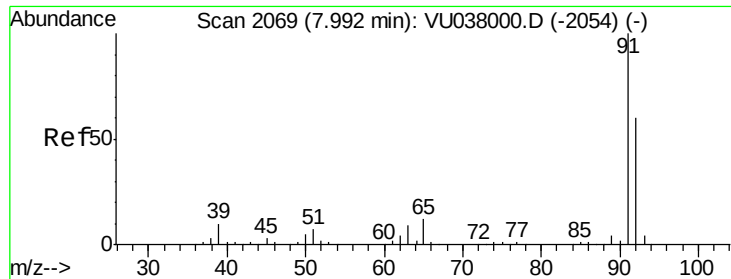
apatel
5/5/2020 11:15:41 AM



#48
Ethyl methacrylate
Concen: 1.809 ug/l
RT: 8.36 min Scan# 2182
Delta R.T. -0.00 min
Lab File: VU037998.D
Acq: 04 May 2020 11:44

Tgt Ion	Ratio	Lower	Upper
69	100		
41	67.6	33.6	100.8





#49

Toluene

Concen: 1.900 ug/l

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

Instrument :

MSVOA_U

ClientSampled :

VSTDIC002

Tot Ion: 92 Resp: 122269

Ion Ratio Lower Upper

92 100

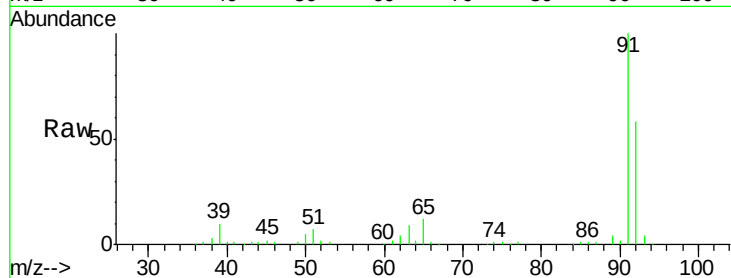
91 171.0 134.4 201.6

Manual Integrations

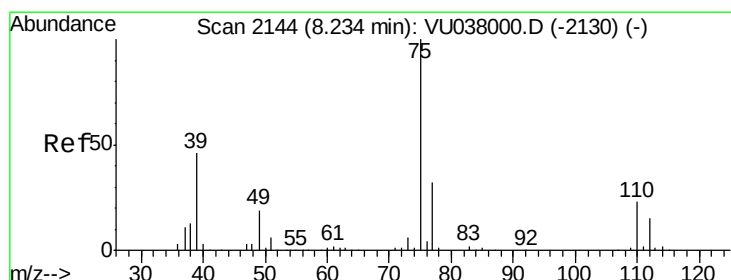
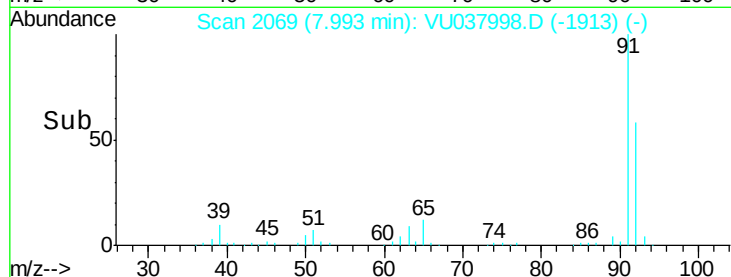
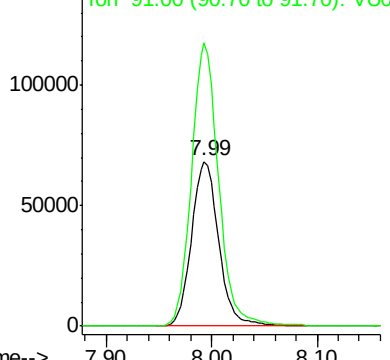
APPROVED

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Abundance Ion 92.00 (91.70 to 92.70): VU037998.D (-1913) (-)



#50

t-1,3-Dichloropropene

Concen: 1.771 ug/l

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU037998.D

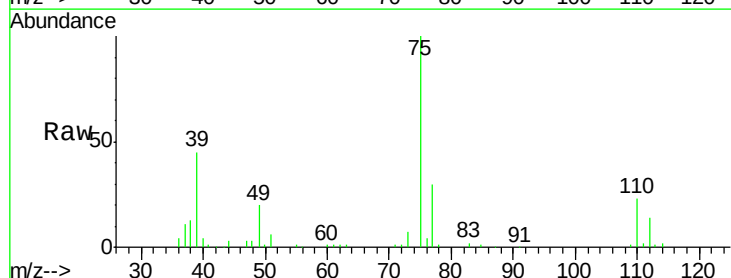
Acq: 04 May 2020 11:44

Tgt Ion: 75 Resp: 62068

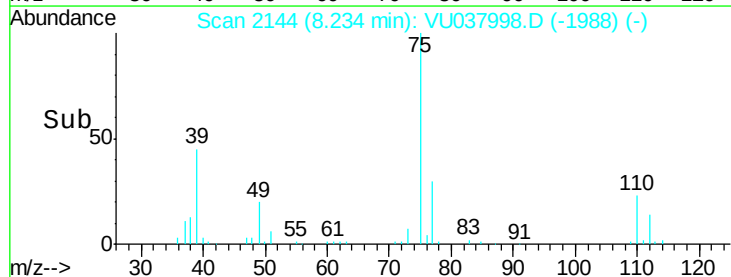
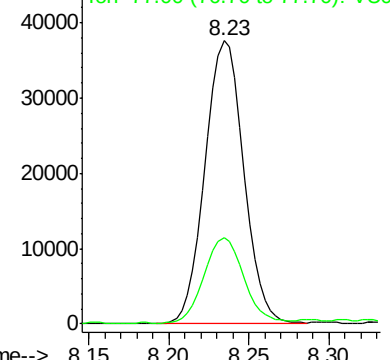
Ion Ratio Lower Upper

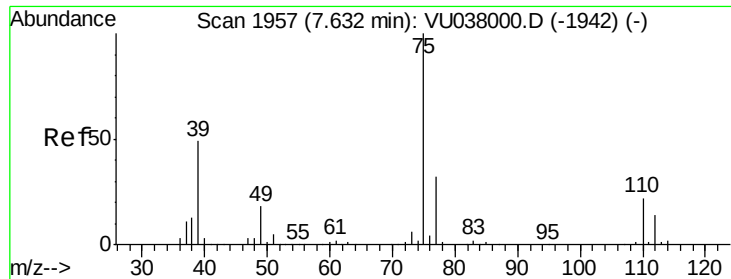
75 100

77 30.4 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VU037998.D (-1988) (-)





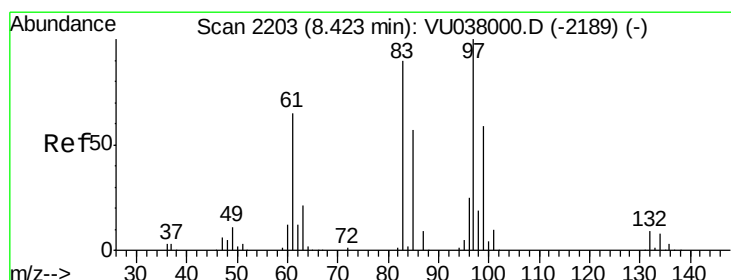
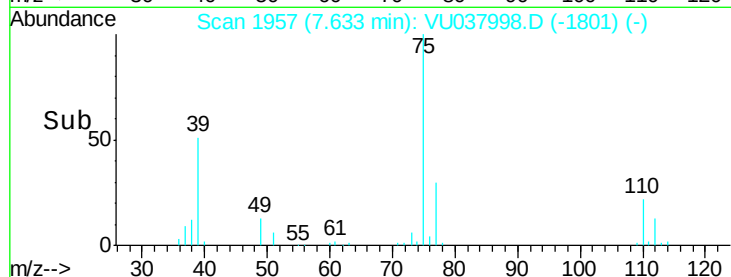
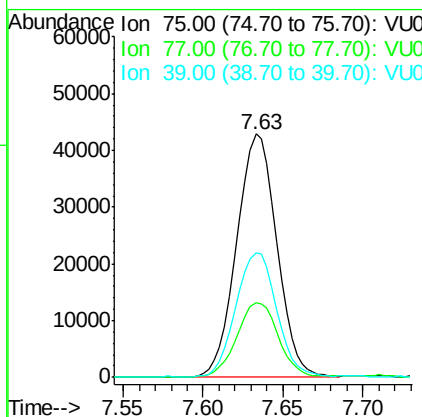
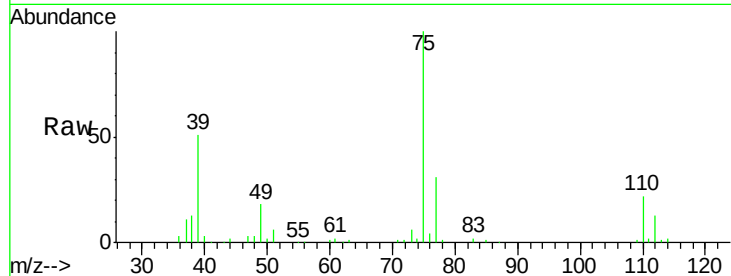
#51
 cis-1,3-Dichloropropene
 Concen: 1.818 ug/l
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.5	38.3
39	51.1	39.0	58.4

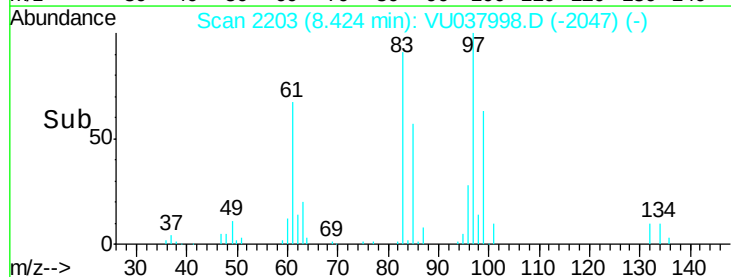
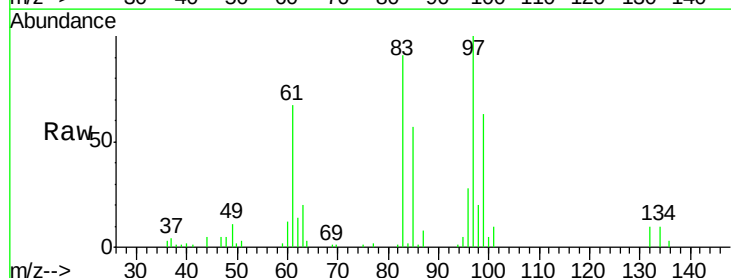
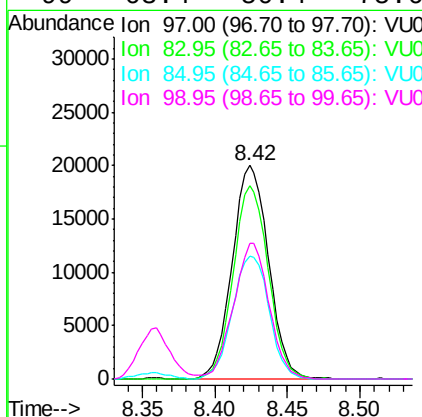
Manual Integrations
 APPROVED

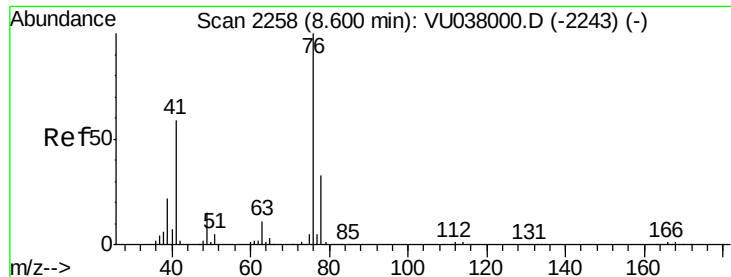
apatel
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#52
 1,1,2-Trichloroethane
 Concen: 1.763 ug/l
 RT: 8.42 min Scan# 2203
 Delta R.T. 0.00 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.7	72.4	108.6
85	57.3	46.0	69.0
99	63.4	50.4	75.6





#53

1,3-Dichloropropane

Concen: 1.855 ug/l

RT: 8.60 min Scan# 2257

Delta R.T. -0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 76 Resp: 65863

Ion Ratio Lower Upper

76 100

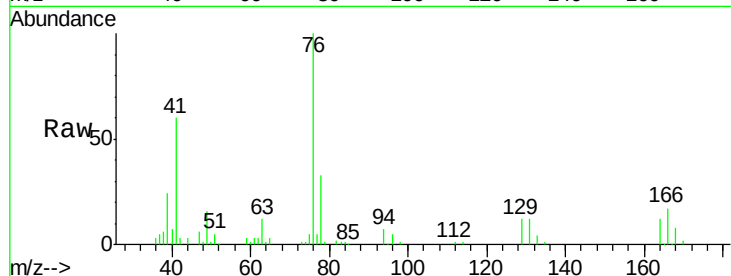
78 32.6 25.8 38.6

Manual Integrations

APPROVED

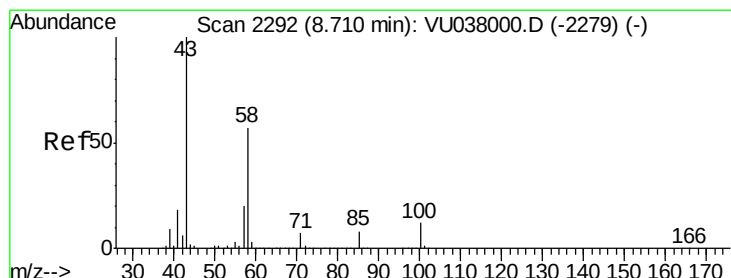
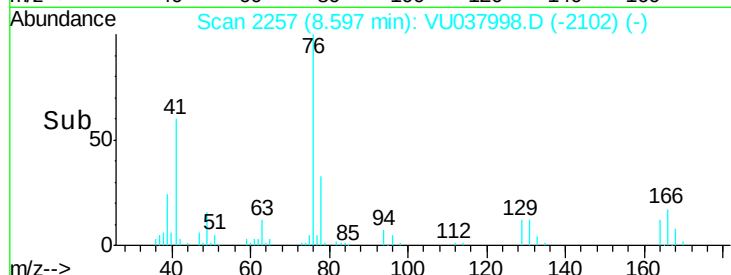
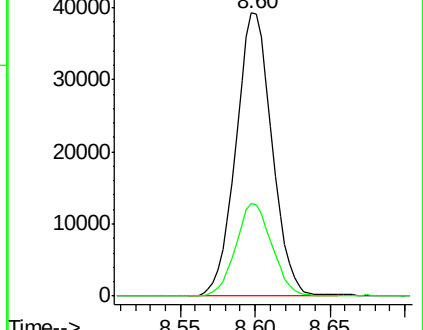
apatel

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Abundance Ion 76.00 (75.70 to 76.70): VU037998.D (-2102) (-)

Ion 78.00 (77.70 to 78.70): VU037998.D (-2102) (-)



#54

2-Hexanone

Concen: 8.471 ug/l

RT: 8.71 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

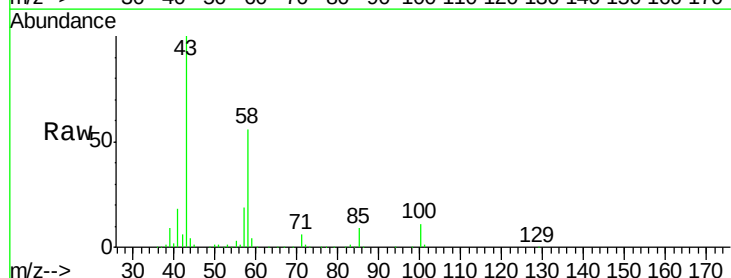
Tgt Ion: 43 Resp: 115320

Ion Ratio Lower Upper

43 100

58 57.5 36.5 76.5

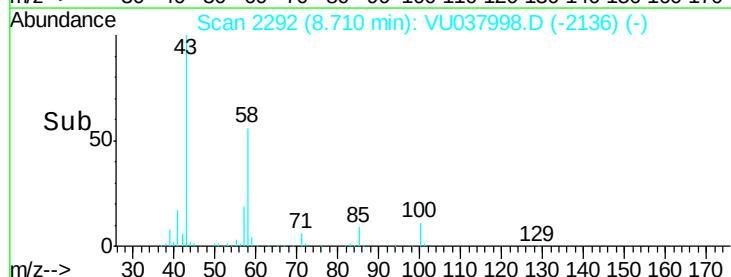
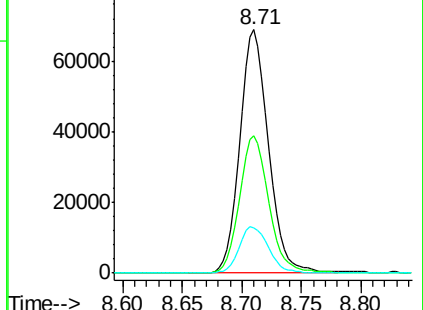
57 19.7 0.0 39.5

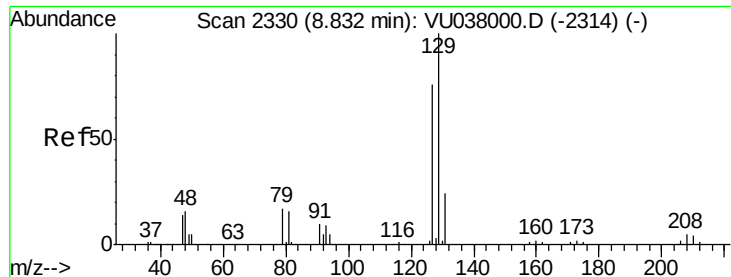


Abundance Ion 43.00 (42.70 to 43.70): VU037998.D (-2136) (-)

Ion 58.00 (57.70 to 58.70): VU037998.D (-2136) (-)

Ion 57.00 (56.70 to 57.70): VU037998.D (-2136) (-)





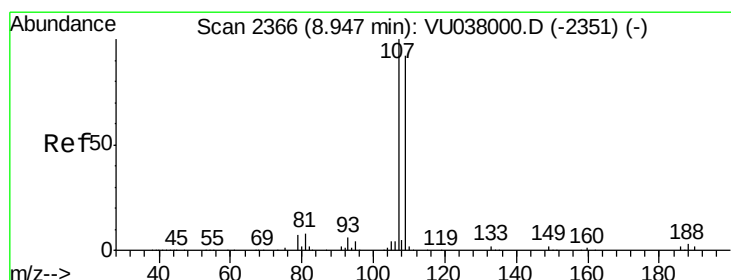
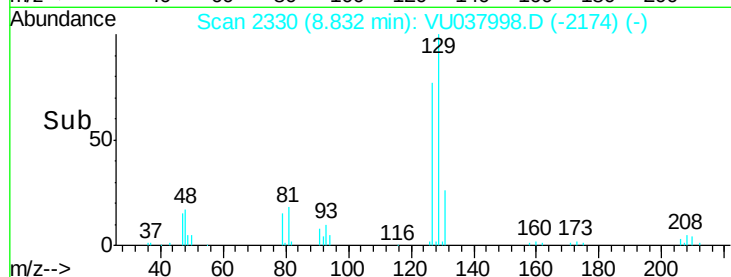
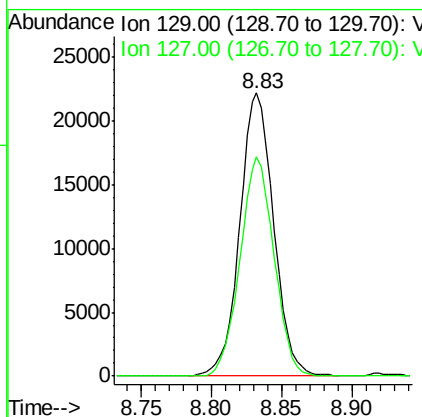
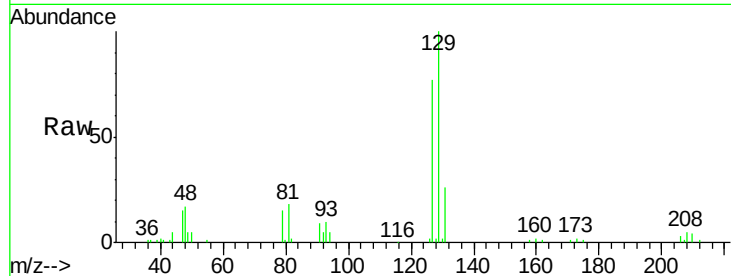
#55
 Dibromochloromethane
 Concen: 1.546 ug/l
 RT: 8.83 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.5	62.2	93.2

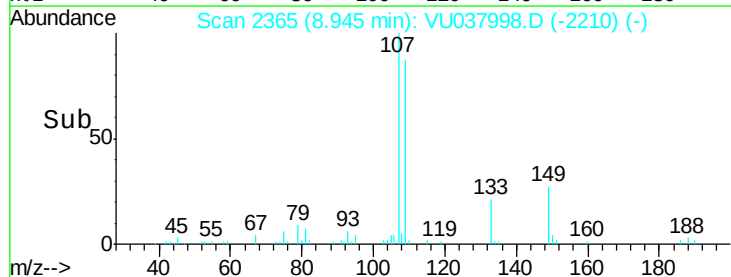
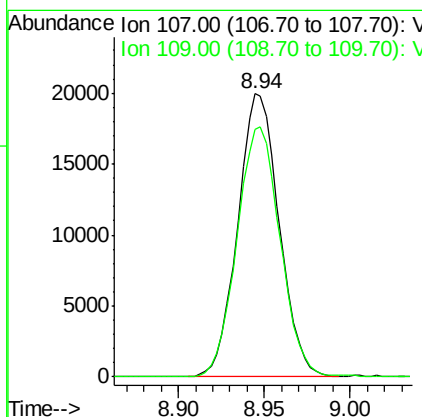
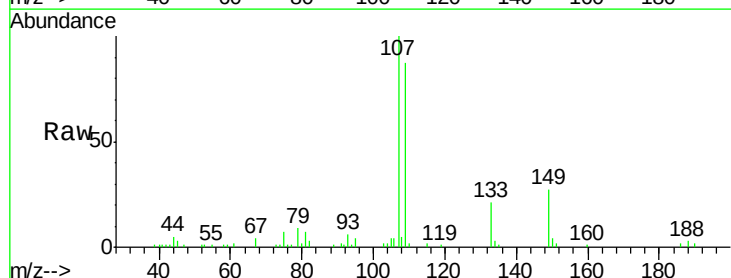
Manual Integrations
 APPROVED

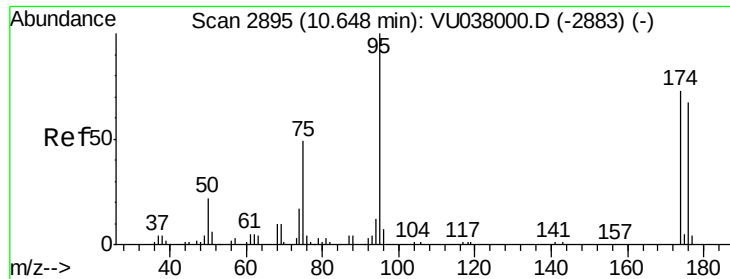
apatel
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#56
 1,2-Dibromoethane
 Concen: 1.789 ug/l
 RT: 8.94 min Scan# 2365
 Delta R.T. -0.00 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.4	0.0	184.6





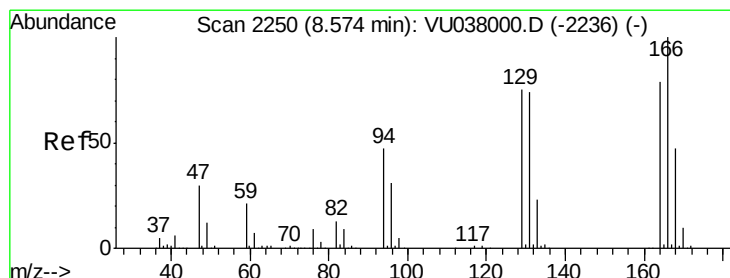
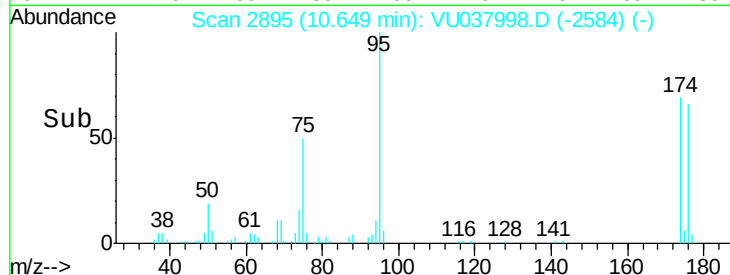
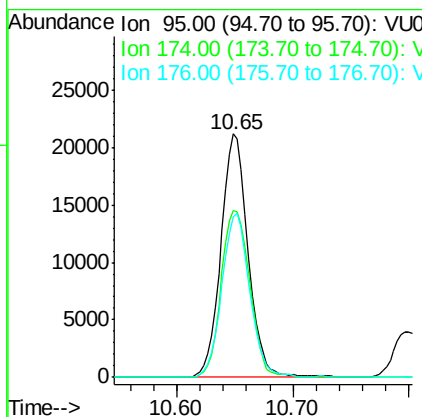
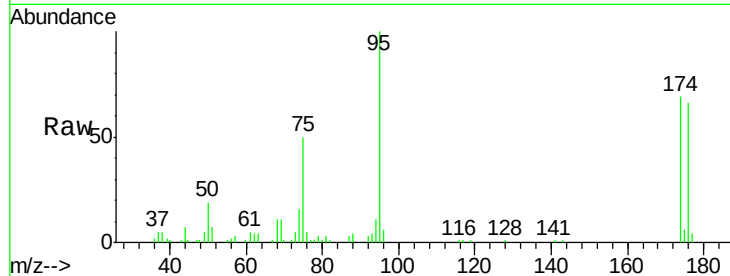
#57
4-Bromofluorobenzene
Concen: 0.994 ug/l
RT: 10.65 min Scan# 2895
Delta R.T. 0.00 min
Lab File: VU037998.D
Acq: 04 May 2020 11:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
95	100		
174	72.4	61.2	91.8
176	68.9	57.1	85.7

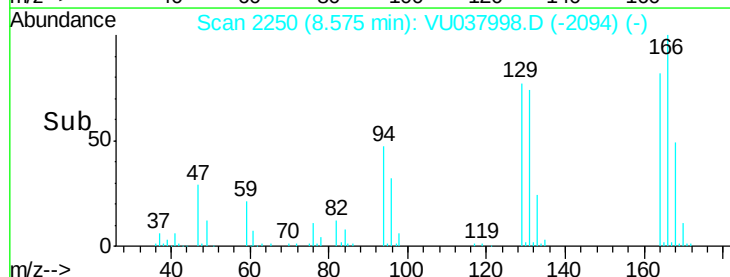
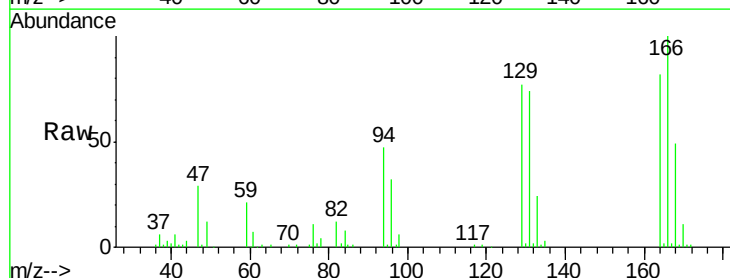
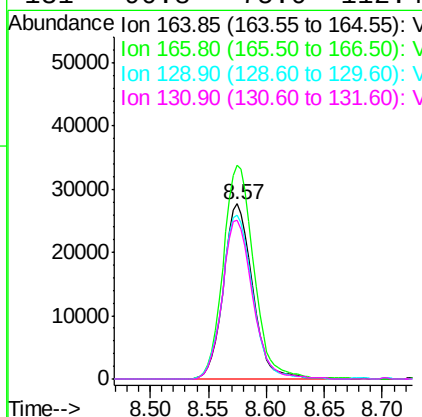
Manual Integrations
APPROVED

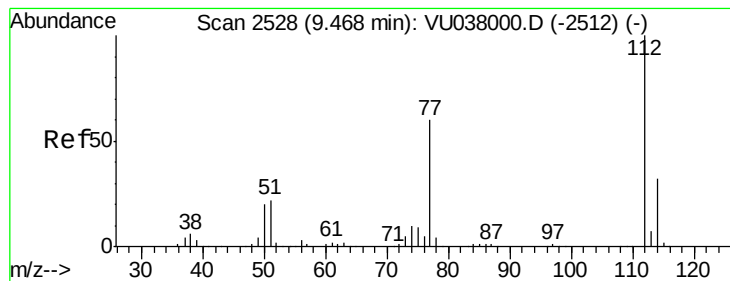
apatel
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#58
Tetrachloroethene
Concen: 1.833 ug/l
RT: 8.57 min Scan# 2250
Delta R.T. 0.00 min
Lab File: VU037998.D
Acq: 04 May 2020 11:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.0	101.5	152.3
129	93.5	76.6	114.8
131	90.8	75.0	112.4





#59

Chlorobenzene

Concen: 1.848 ug/l

RT: 9.47 min Scan# 2527

Delta R.T. -0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:112 Resp: 132613

Ion Ratio Lower Upper

112 100

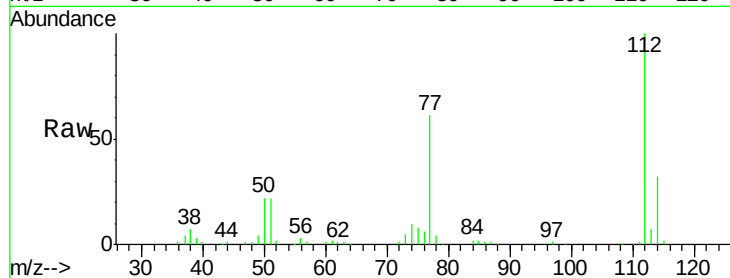
114 31.6 25.7 38.5

Manual Integrations

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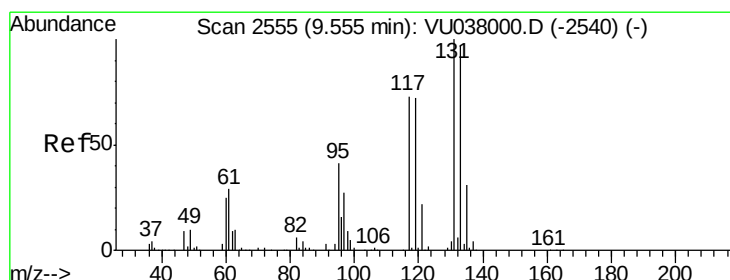
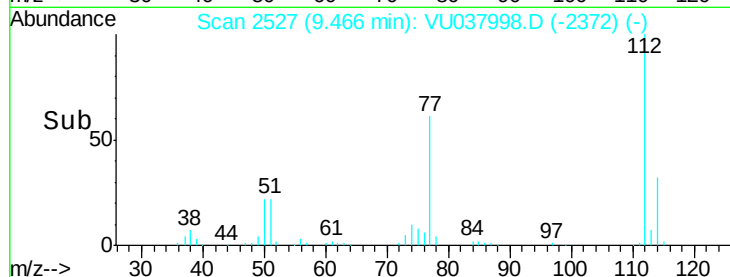
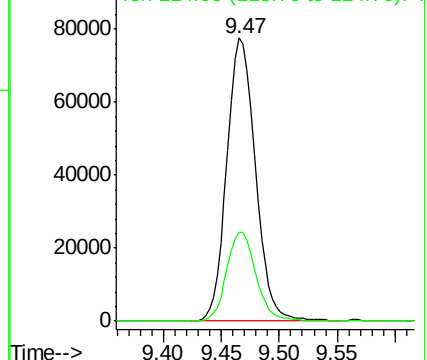
apatel

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#60

1,1,1,2-Tetrachloroethane

Concen: 1.521 ug/l

RT: 9.55 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

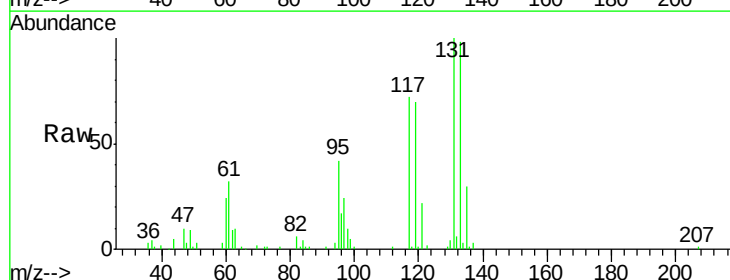
Tgt Ion:131 Resp: 38786

Ion Ratio Lower Upper

131 100

133 96.6 76.8 115.2

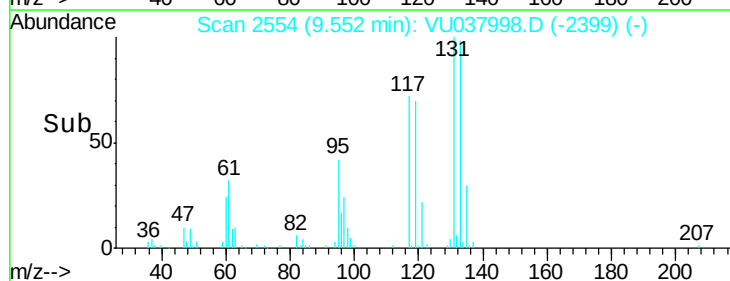
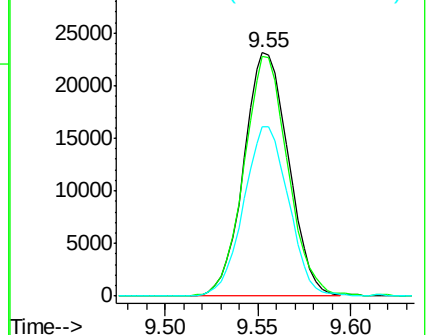
119 69.7 56.7 85.1

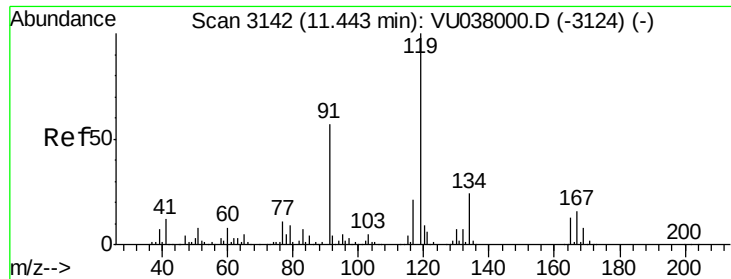


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





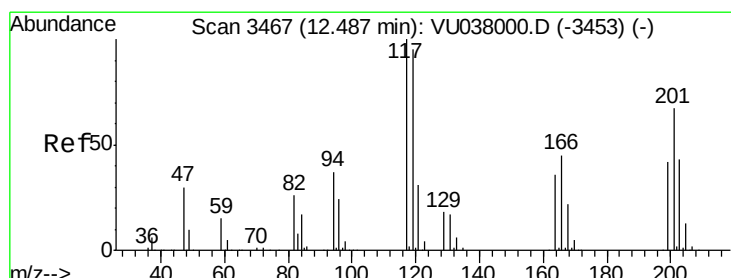
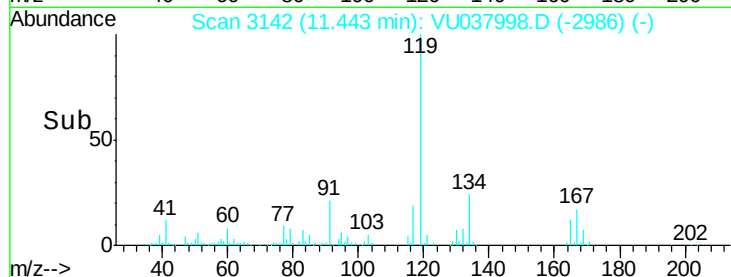
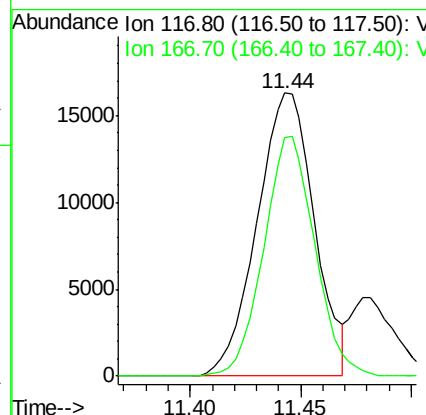
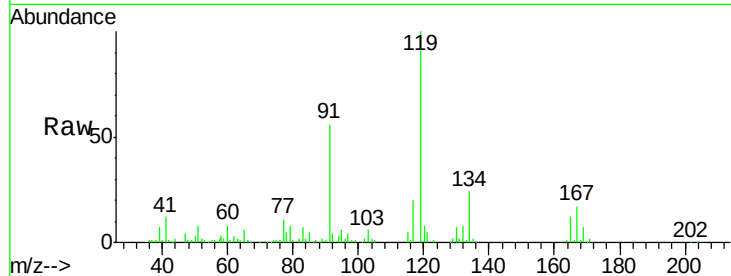
#61
 Pentachloroethane
 Concen: 1.509 ug/l
 RT: 11.44 min Scan# 3142
 Delta R.T. 0.00 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
117	100		
167	75.3	60.3	90.5

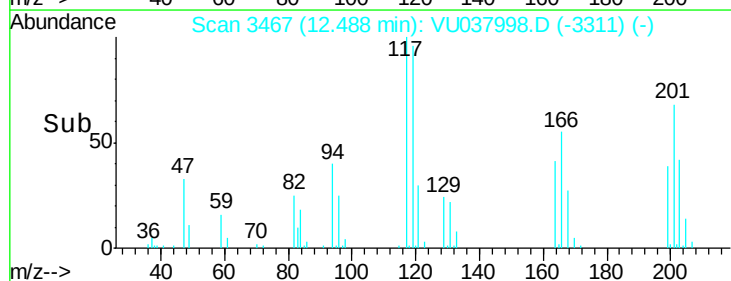
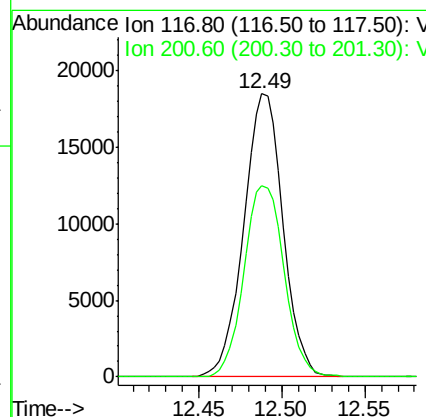
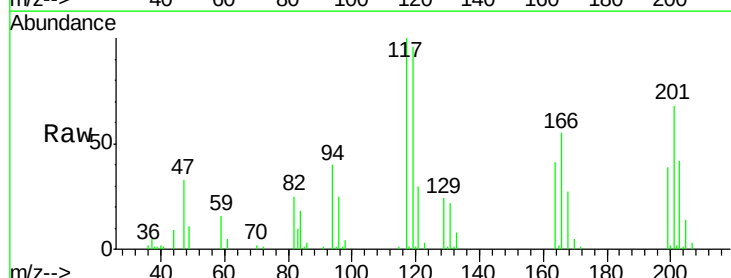
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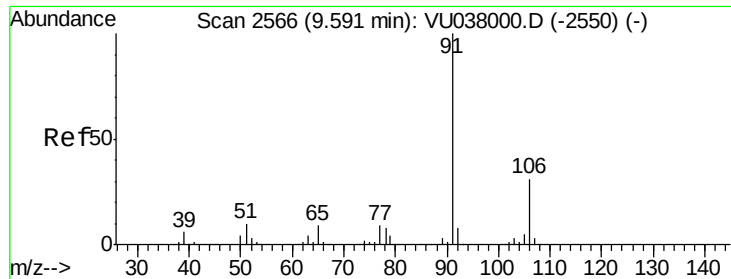
apatel
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#62
 Hexachloroethane
 Concen: 1.474 ug/l
 RT: 12.49 min Scan# 3467
 Delta R.T. 0.00 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.2	54.7	82.1





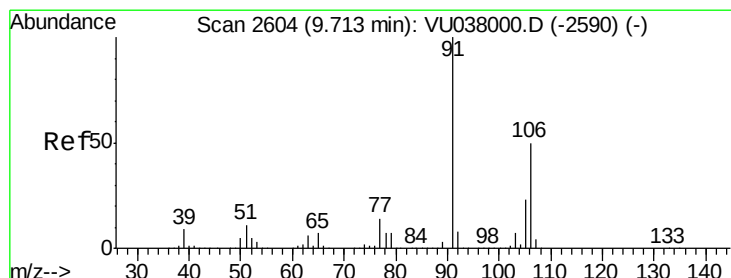
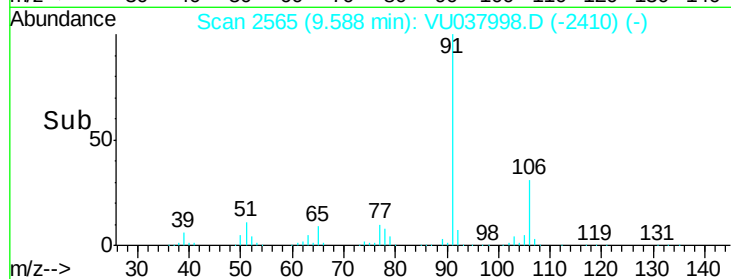
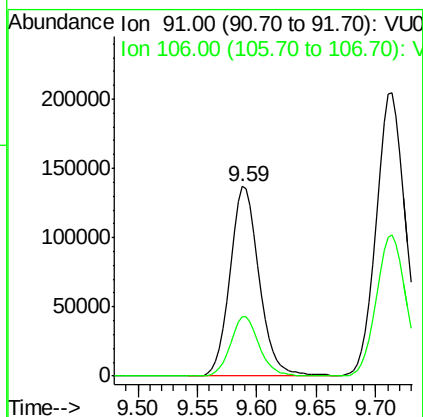
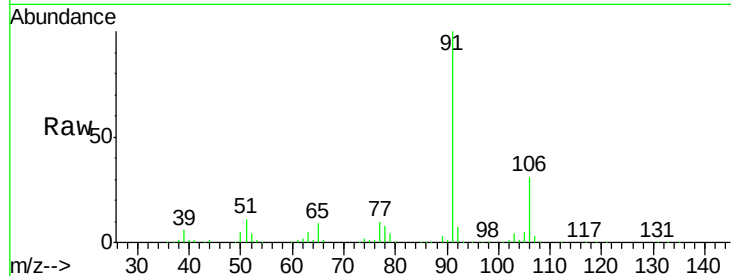
#63
Ethyl Benzene
Concen: 1.904 ug/l
RT: 9.59 min Scan# 2565
Delta R.T. -0.00 min
Lab File: VU037998.D
Acq: 04 May 2020 11:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.2	24.9	37.3

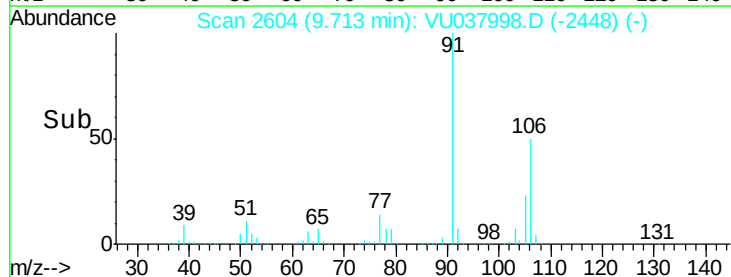
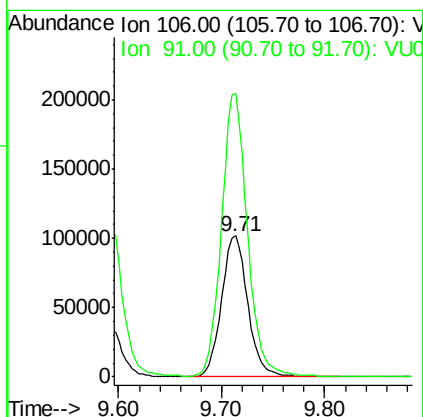
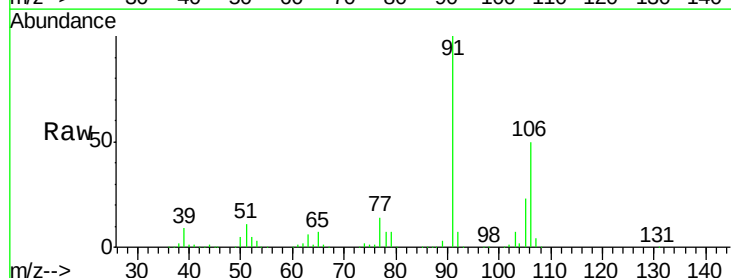
Manual Integrations
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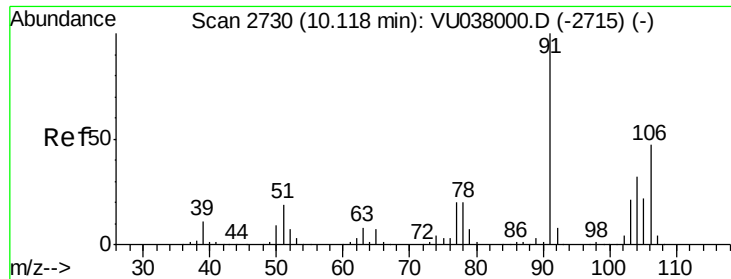
apatel
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#64
m/p-Xylenes
Concen: 3.879 ug/l
RT: 9.71 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VU037998.D
Acq: 04 May 2020 11:44

Tgt Ion	Ratio	Lower	Upper
106	100		
91	197.5	159.5	239.3





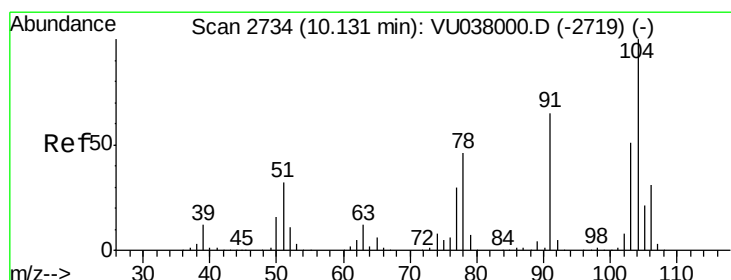
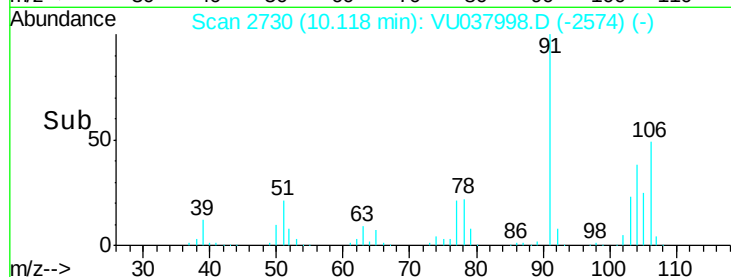
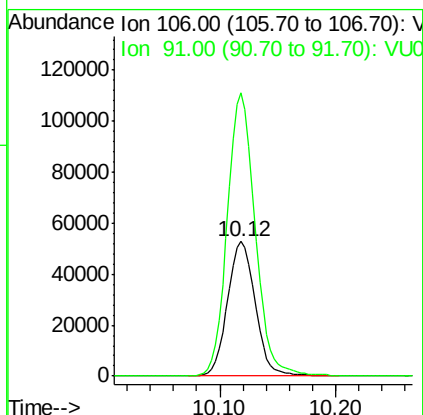
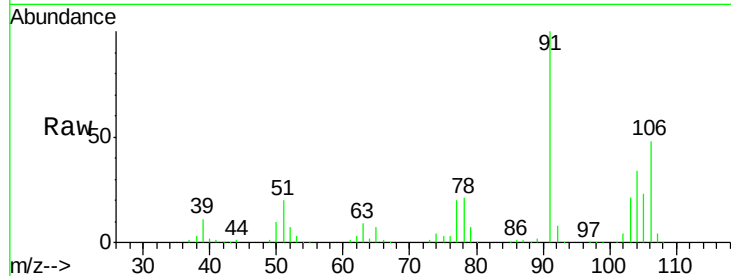
#65
o-Xylene
Concen: 1.958 ug/l
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU037998.D
Acq: 04 May 2020 11:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion:106 Resp: 87848
Ion Ratio Lower Upper
106 100
91 210.4 105.7 317.0

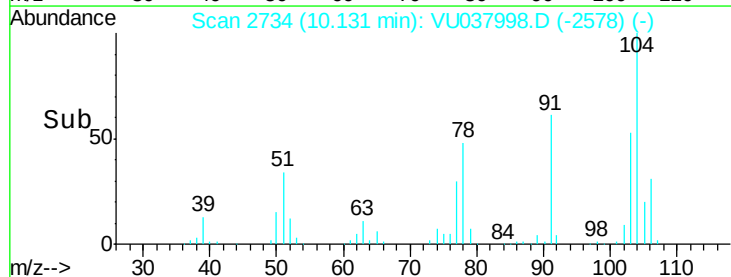
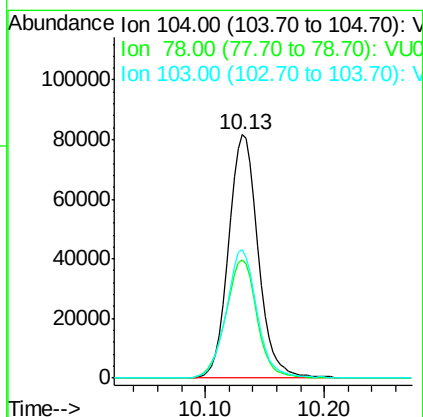
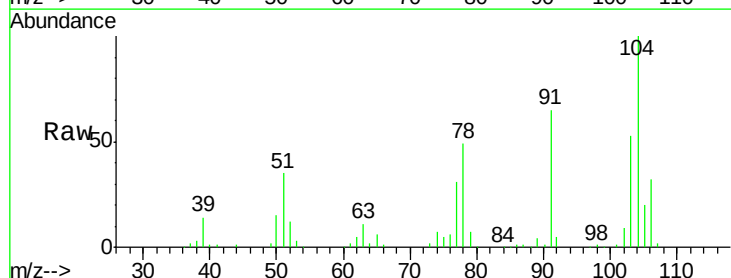
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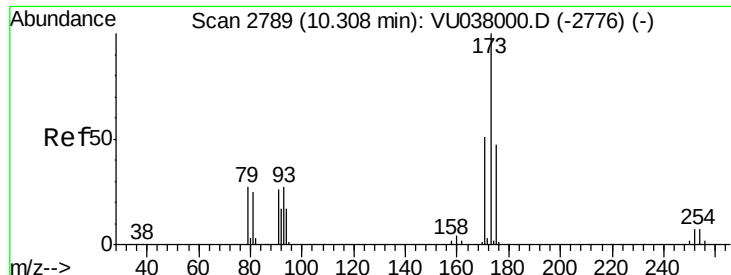
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#66
Styrene
Concen: 1.922 ug/l
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU037998.D
Acq: 04 May 2020 11:44

Tgt Ion:104 Resp: 140865
Ion Ratio Lower Upper
104 100
78 51.3 39.9 59.9
103 55.0 43.4 65.2





#67

Bromoform

Concen: 1.524 ug/l

RT: 10.31 min Scan# 2789

Delta R.T. 0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

Instrument :

MSVOA_U

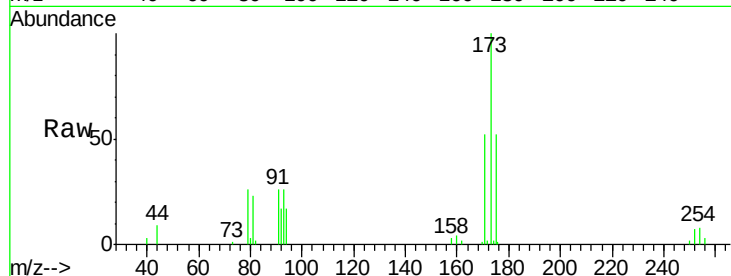
ClientSampleId :

VSTDIC002

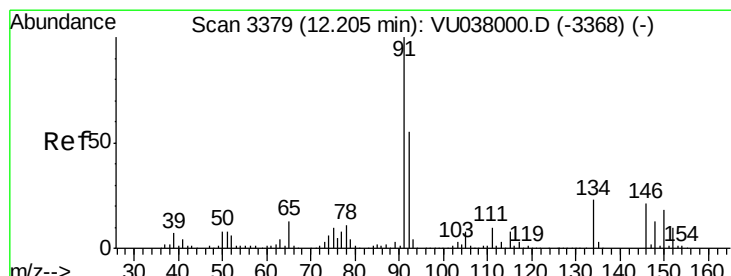
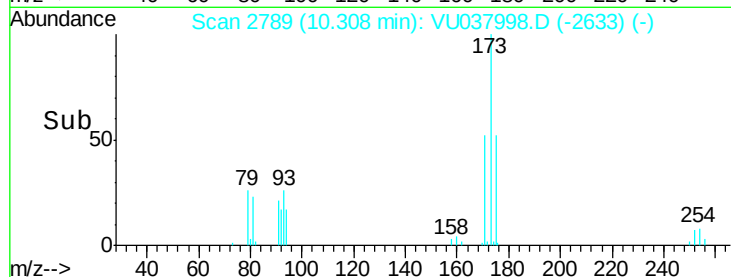
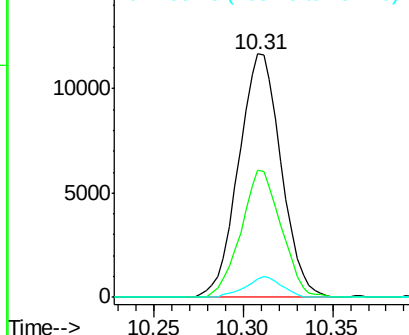
Tot Ion:	173	Resp:	19291
Ion Ratio	Lower	Upper	
173	100		
175	49.7	37.6	56.4
254	7.3	5.5	8.3

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



#68

1,2-Dichlorobenzene-d4

Concen: 0.984 ug/l

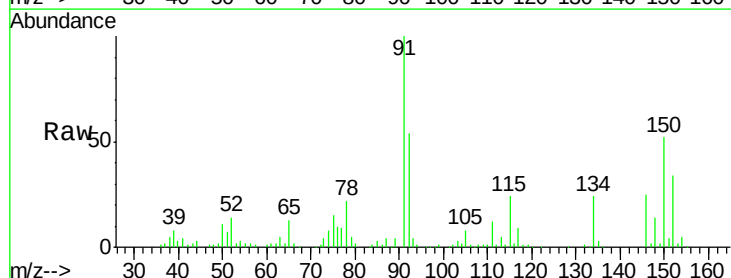
RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

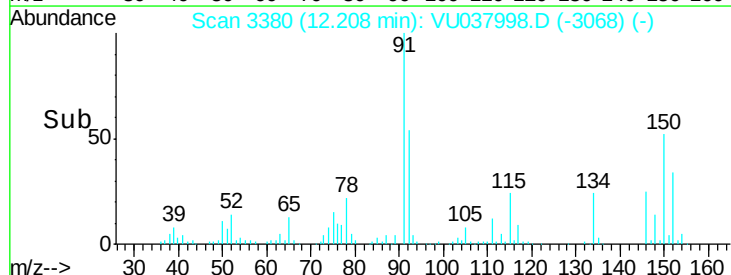
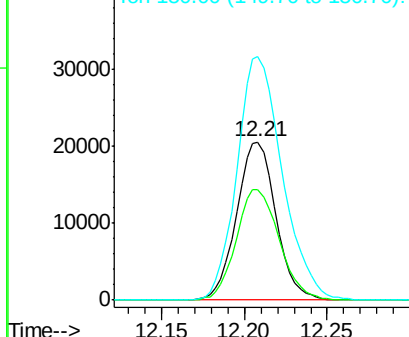
Lab File: VU037998.D

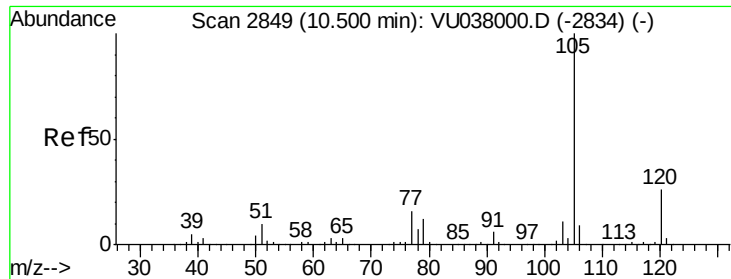
Acq: 04 May 2020 11:44

Tgt Ion:	152	Resp:	34002
Ion Ratio	Lower	Upper	
152	100		
115	76.6	0.0	261.0
150	177.7	0.0	650.2



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: 1.840 ug/l

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 224186

Ion Ratio Lower Upper

105 100

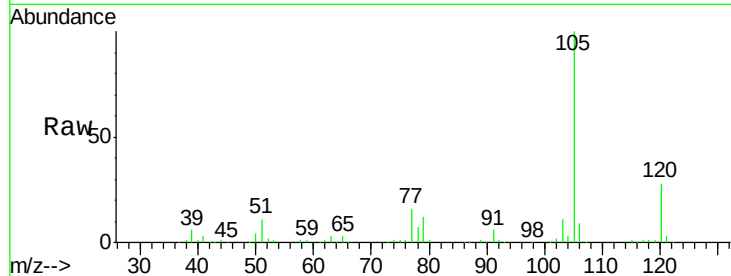
120 27.3 13.1 39.3

Manual Integrations

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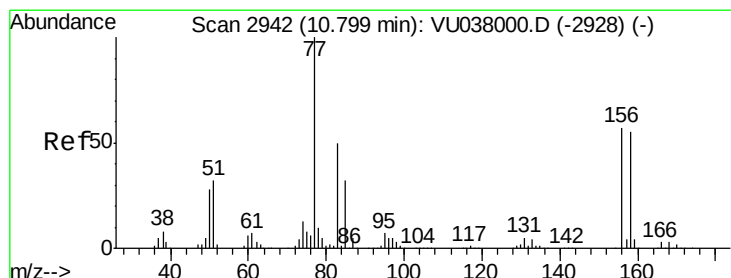
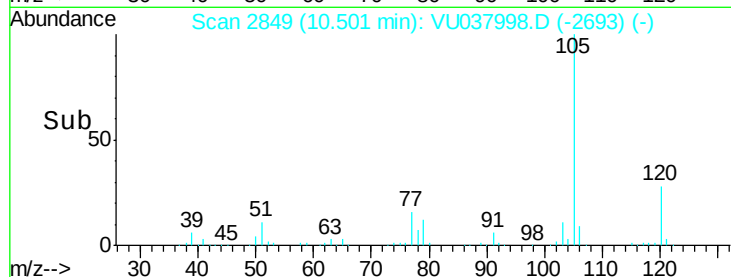
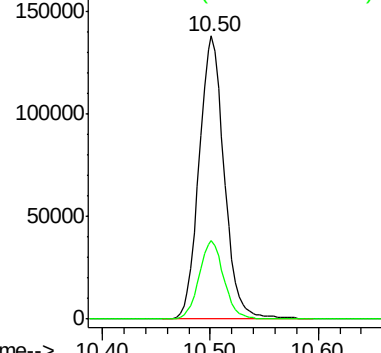
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#70

1,1,2,2-Tetrachloroethane

Concen: 1.722 ug/l

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

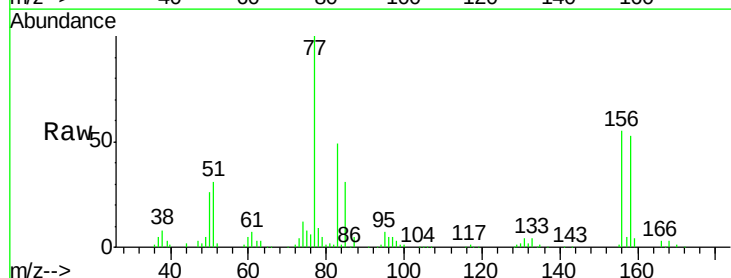
Tgt Ion: 83 Resp: 44724

Ion Ratio Lower Upper

83 100

131 8.6 7.2 10.8

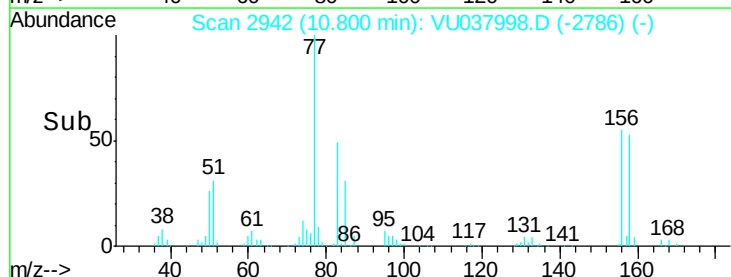
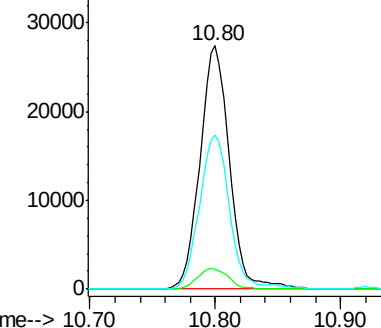
85 63.6 50.0 75.0

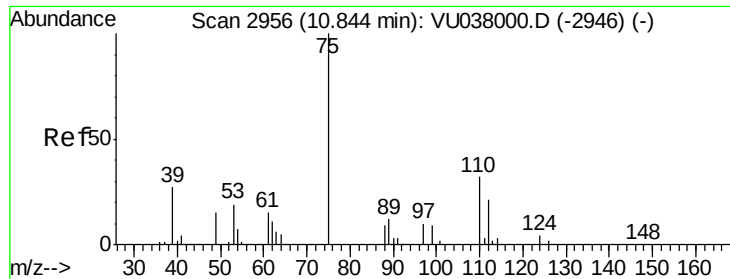


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0





#71

1,2,3-Trichloropropane

Concen: 1.707 ug/l m

RT: 10.84 min Scan# 2956

Delta R.T. 0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

Instrument :

MSVOA_U

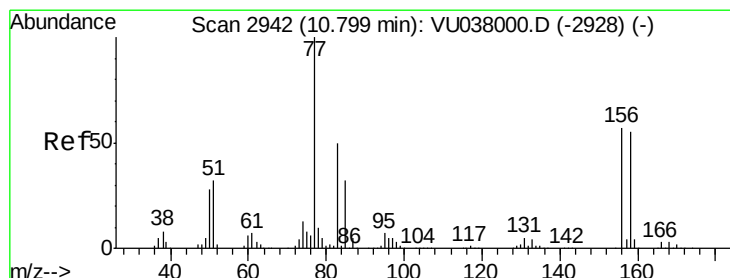
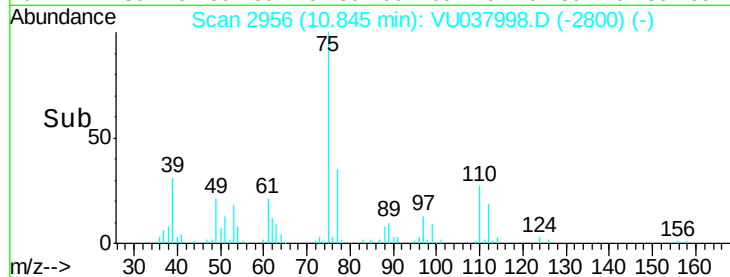
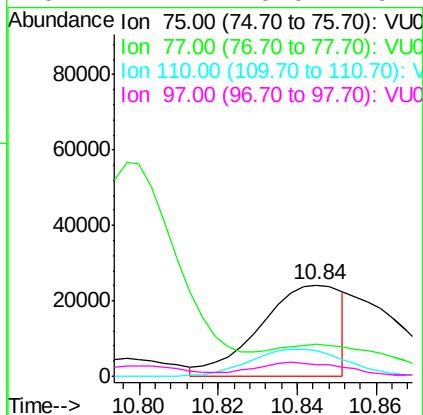
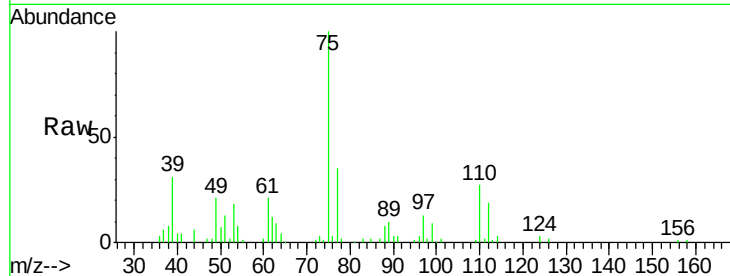
ClientSampleId :

VSTDIC002

Tot Ion:	75	Resp:	34960
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	108.6
110	35.0	0.0	79.4
97	17.4	0.0	40.4

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#72

Bromobenzene

Concen: 1.738 ug/l

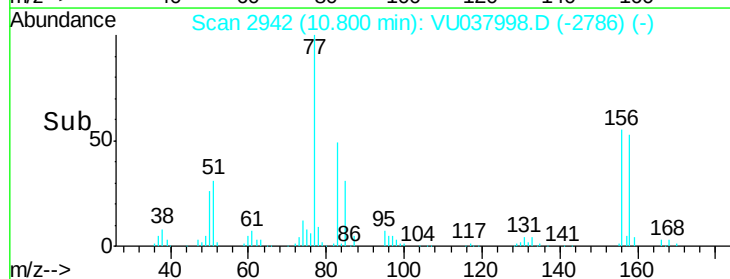
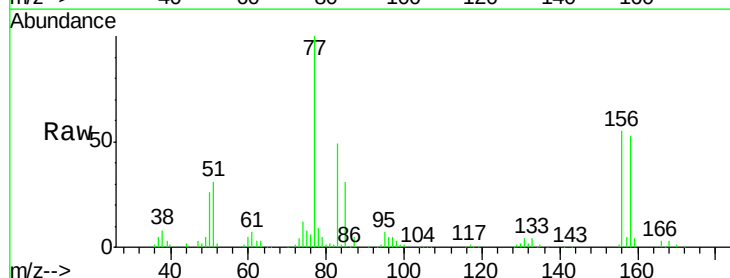
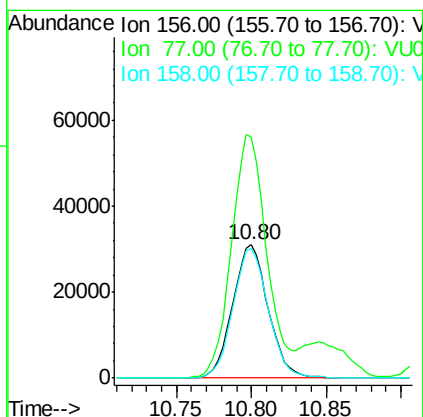
RT: 10.80 min Scan# 2942

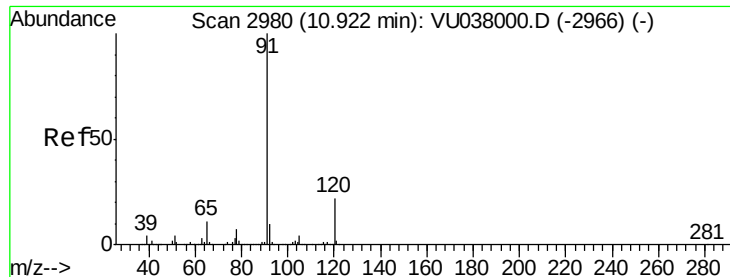
Delta R.T. 0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

Tgt Ion:	156	Resp:	51227
Ion	Ratio	Lower	Upper
156	100		
77	182.2	0.0	355.6
158	96.7	0.0	194.0





#73

n-propylbenzene

Concen: 1.890 ug/l

RT: 10.92 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:120 Resp: 61180

Ion Ratio Lower Upper

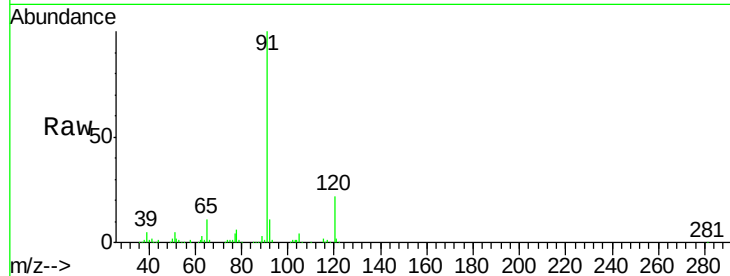
120 100

91 458.7 355.4 533.0

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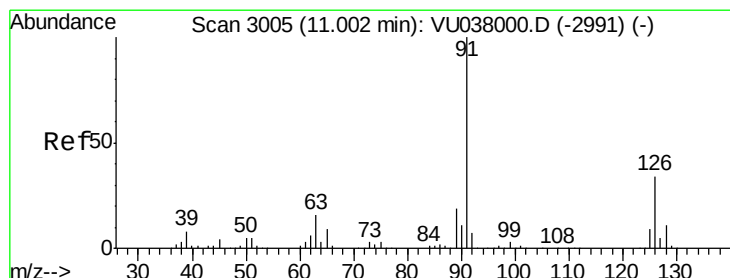
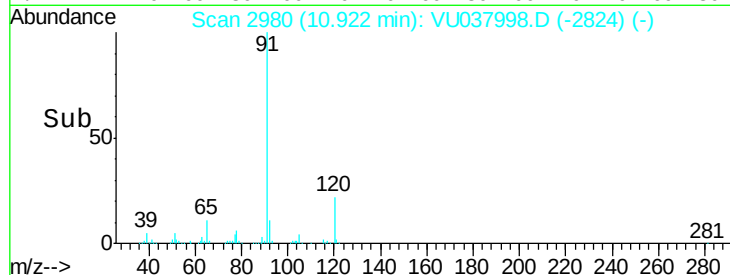
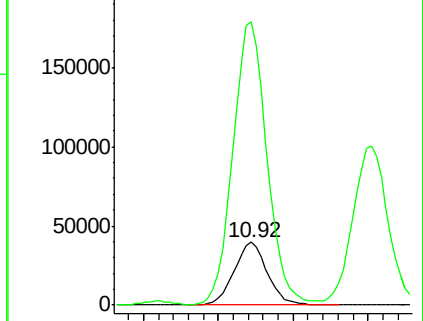
apatel

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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 1.818 ug/l

RT: 11.00 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VU037998.D

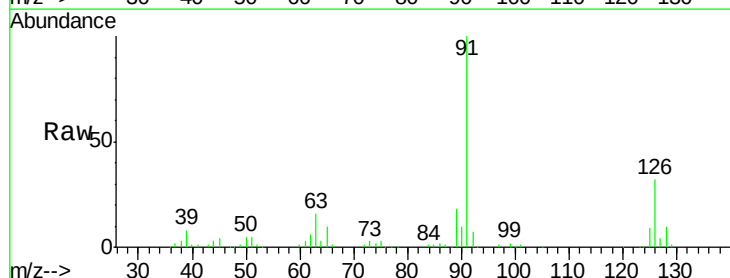
Acq: 04 May 2020 11:44

Tgt Ion:126 Resp: 52648

Ion Ratio Lower Upper

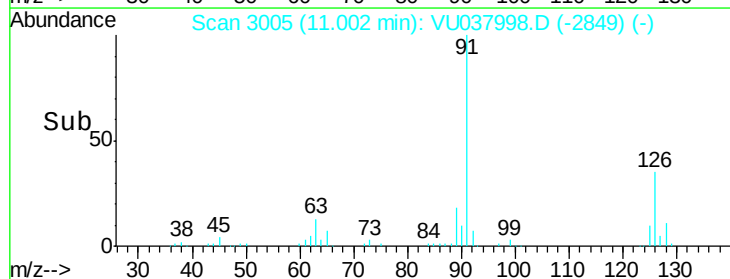
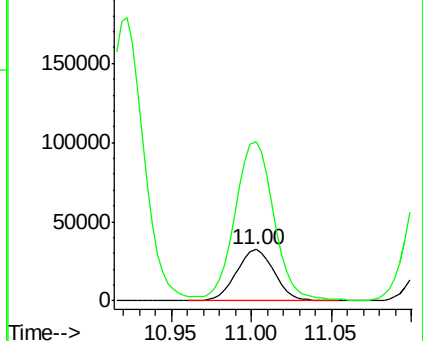
126 100

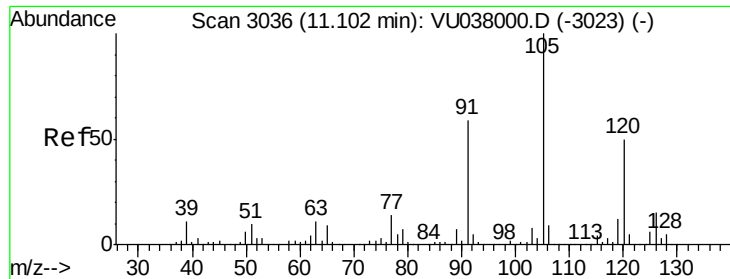
91 314.9 0.0 625.8



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: 1.786 ug/l

RT: 11.10 min Scan# 3036

Delta R.T. 0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 186426

Ion Ratio Lower Upper

105 100

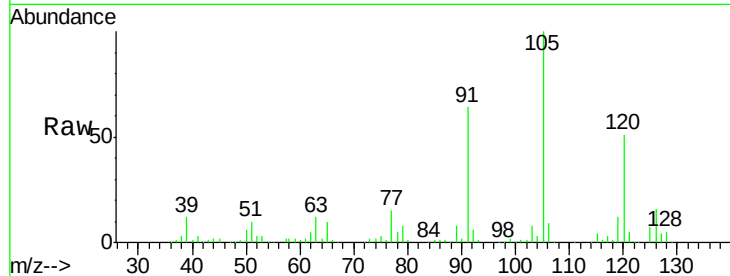
120 49.6 39.8 59.6

Manual Integrations

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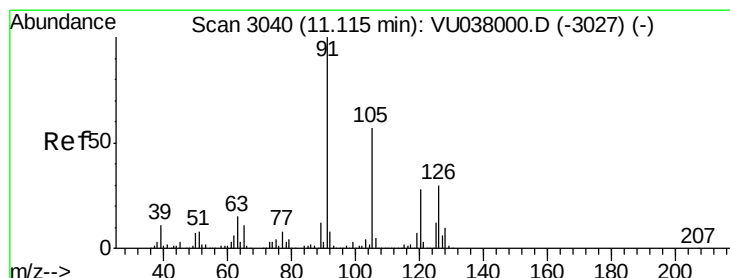
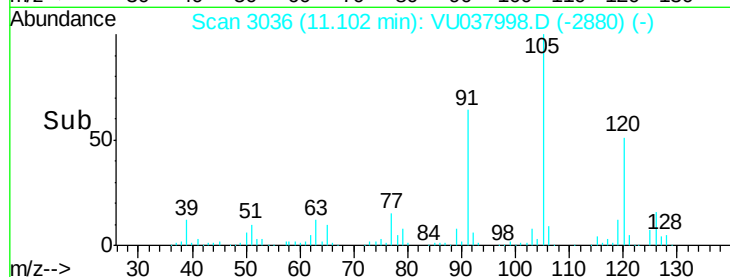
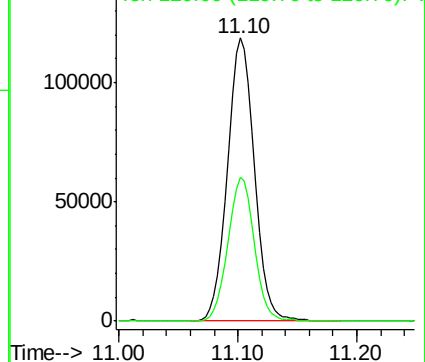
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 1.843 ug/l

RT: 11.11 min Scan# 3039

Delta R.T. -0.00 min

Lab File: VU037998.D

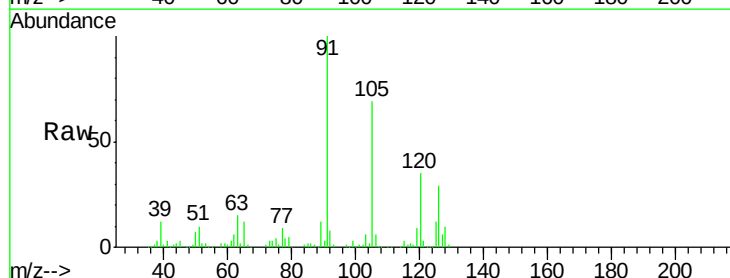
Acq: 04 May 2020 11:44

Tgt Ion:126 Resp: 54010

Ion Ratio Lower Upper

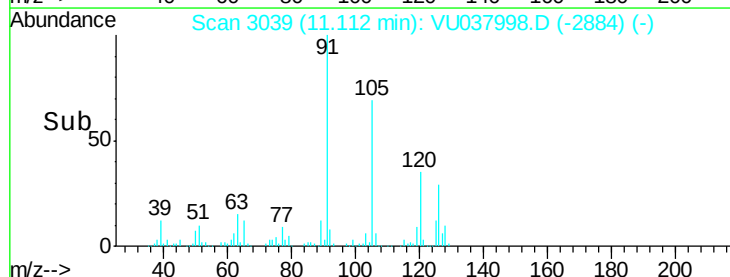
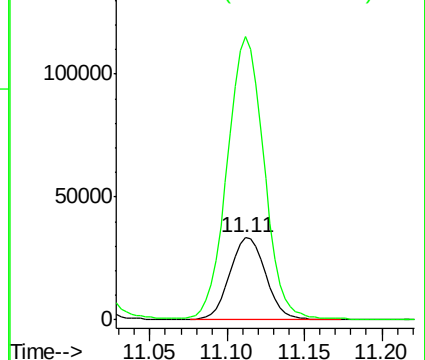
126 100

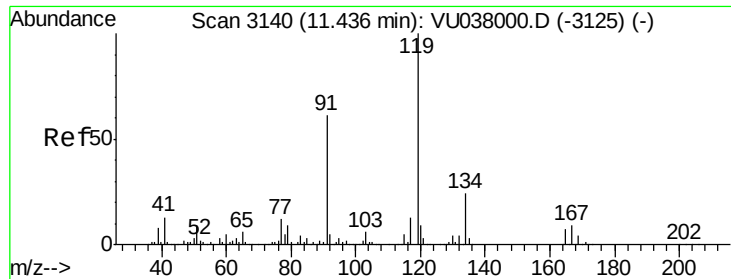
91 354.7 0.0 698.6



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77

tert-Butylbenzene

Concen: 1.775 ug/l

RT: 11.43 min Scan# 3139

Delta R.T. -0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

Instrument :

MSVOA_U

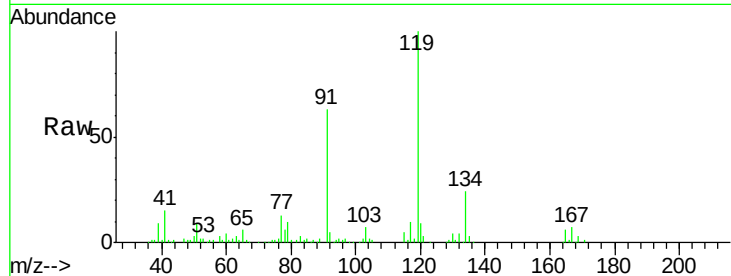
ClientSampled :

VSTDIC002

Tot Ion:	119	Resp:	180711
Ion Ratio	Lower	Upper	
119	100		
91	60.0	30.1	90.5
134	23.6	19.0	28.6

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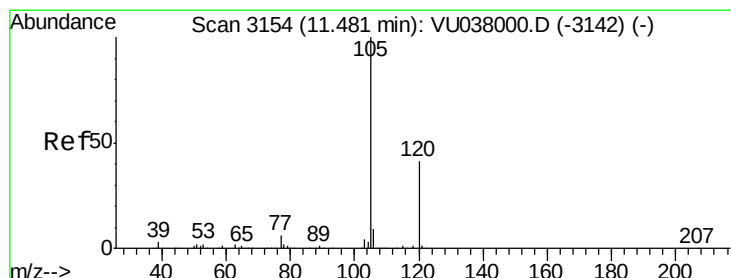
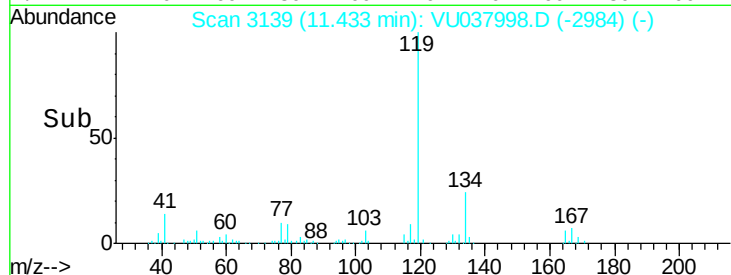
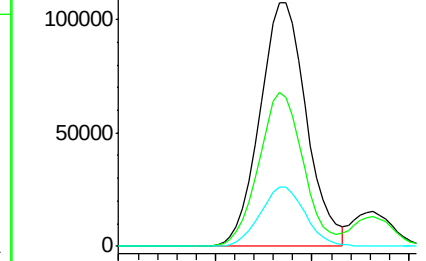
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#78

1,2,4-Trimethylbenzene

Concen: 1.846 ug/l

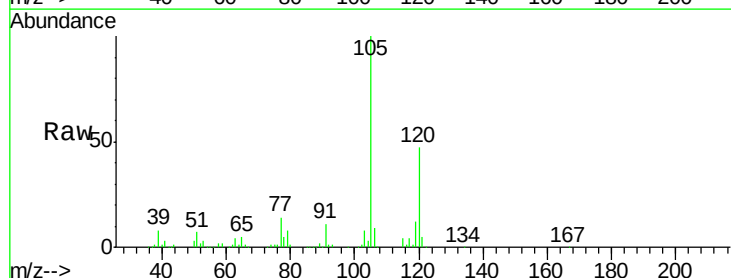
RT: 11.48 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VU037998.D

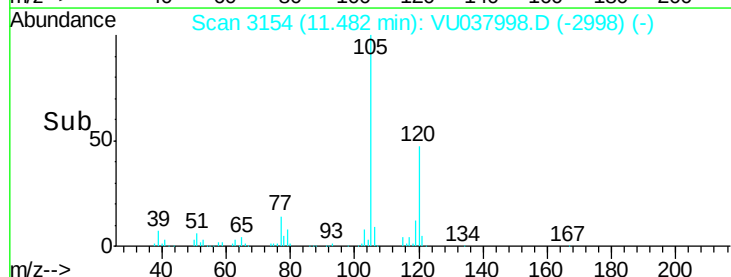
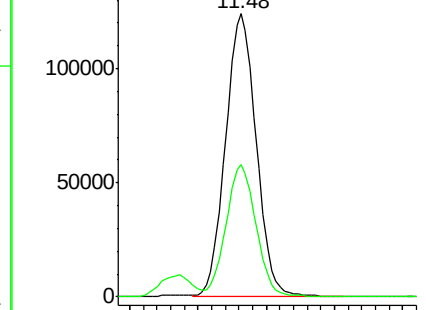
Acq: 04 May 2020 11:44

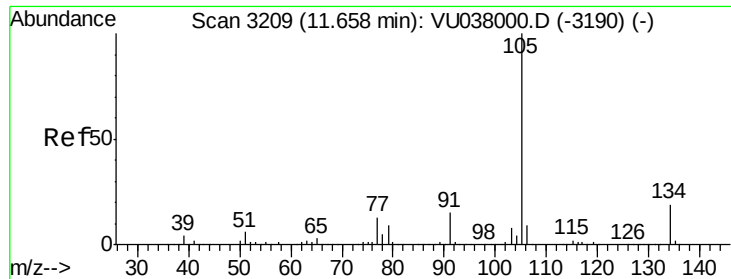
Tgt Ion:	105	Resp:	194117
Ion Ratio	Lower	Upper	
105	100		
120	46.0	23.4	70.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 1.851 ug/l

RT: 11.66 min Scan# 3209

Delta R.T. 0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 105 Resp: 258252

Ion Ratio Lower Upper

105 100

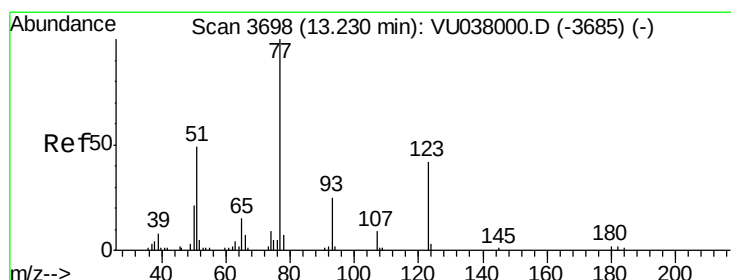
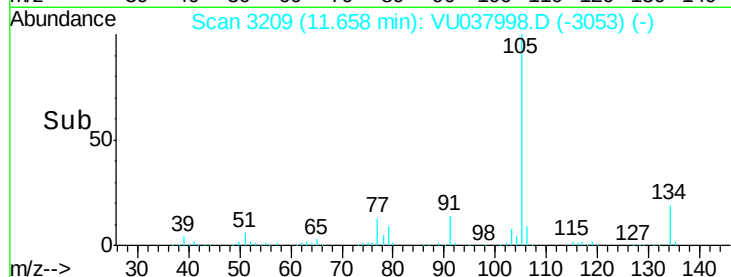
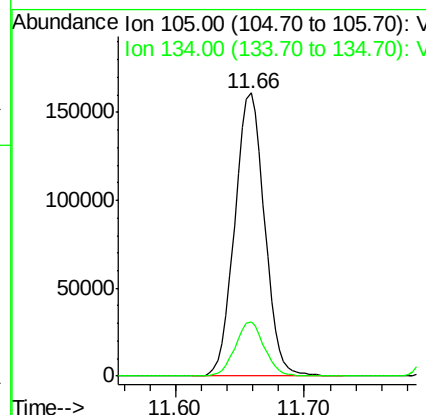
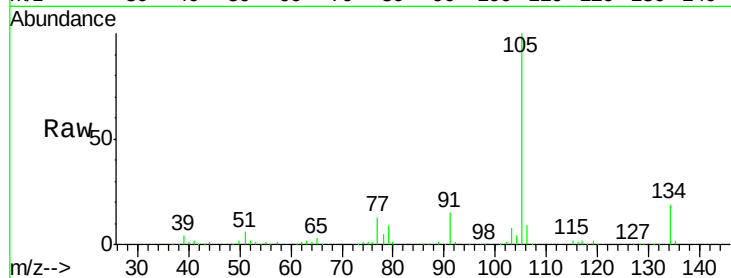
134 18.8 15.4 23.0

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#80

Nitrobenzene

Concen: 9.408 ug/l

RT: 13.23 min Scan# 3698

Delta R.T. 0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

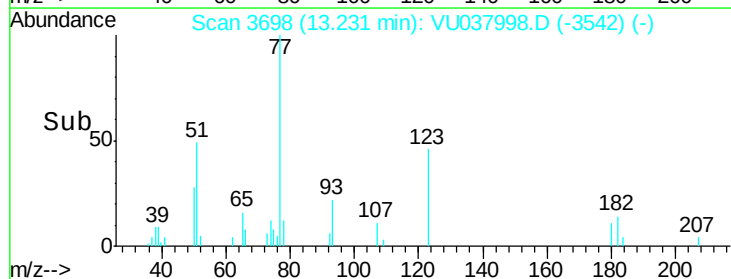
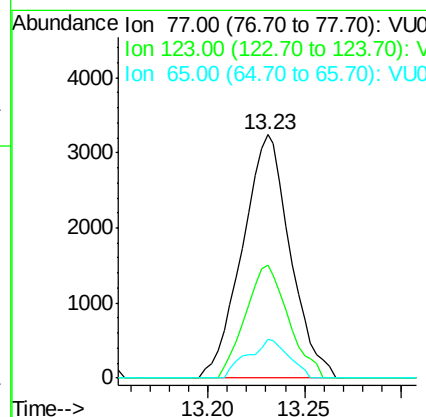
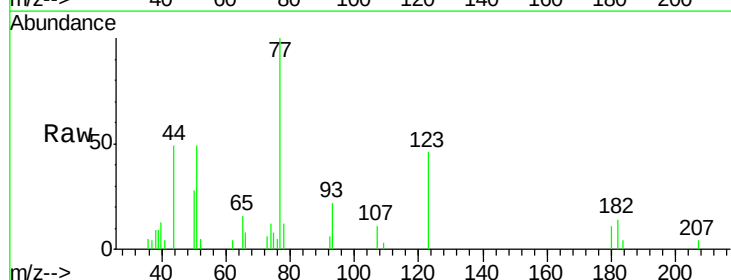
Tgt Ion: 77 Resp: 5570

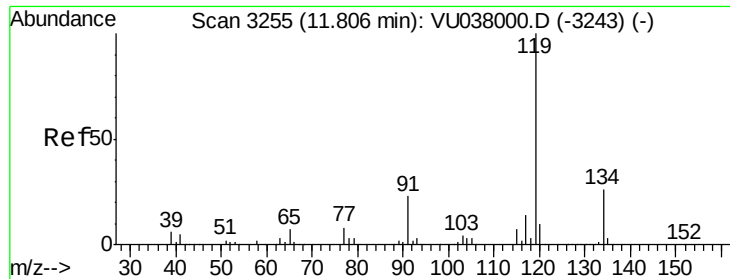
Ion Ratio Lower Upper

77 100

123 41.8 17.6 62.6

65 13.7 13.2 16.8





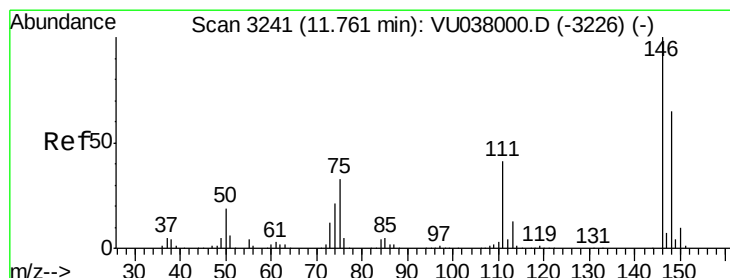
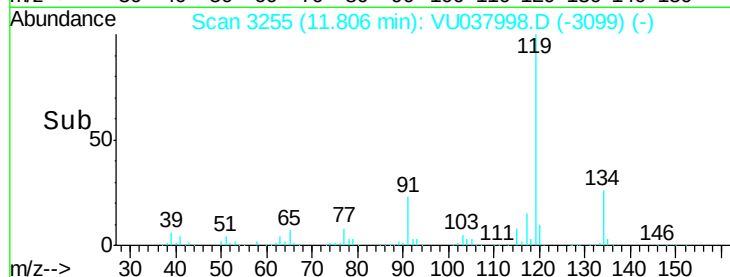
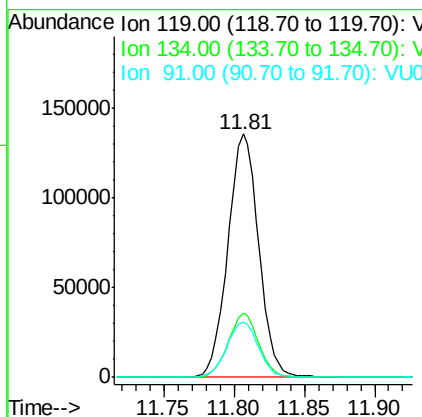
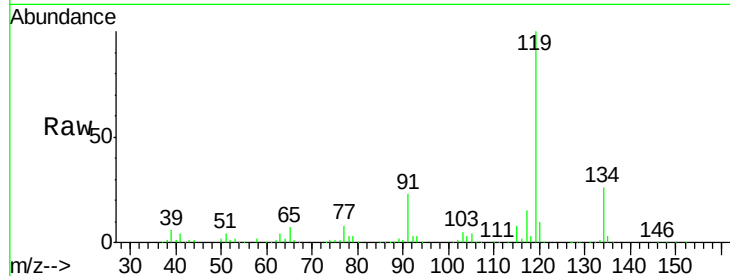
#81
 p-Isopropyltoluene
 Concen: 1.885 ug/l
 RT: 11.81 min Scan# 3255
 Delta R.T. 0.00 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
119	100	206945		
134	26.0		20.6	31.0
91	23.4		18.6	28.0

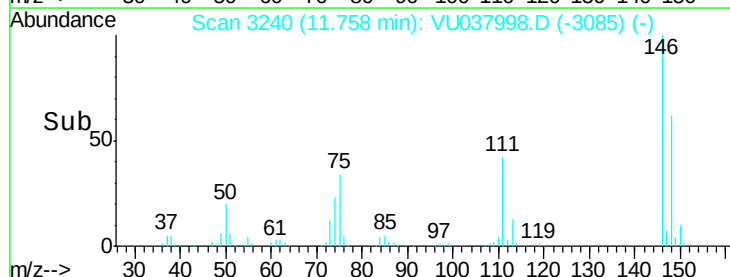
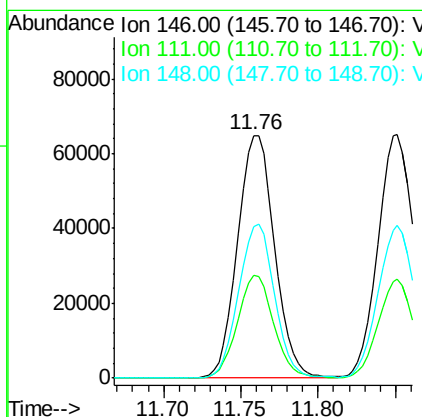
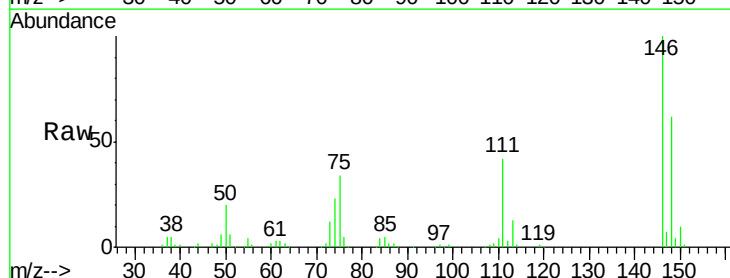
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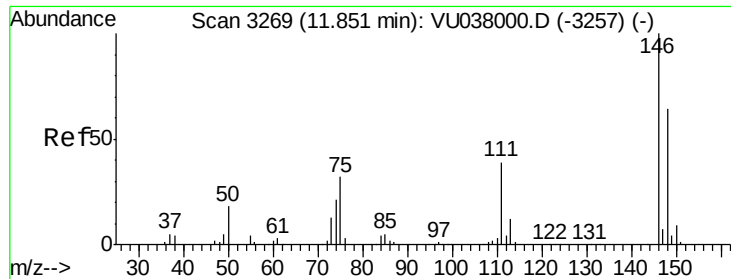
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#82
 1,3-Dichlorobenzene
 Concen: 1.861 ug/l
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	108351		
111	41.4		33.0	49.4
148	61.6		51.4	77.2





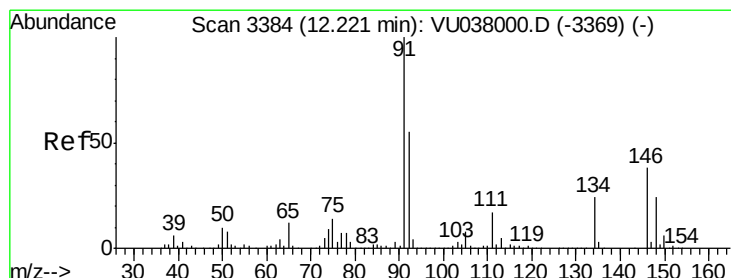
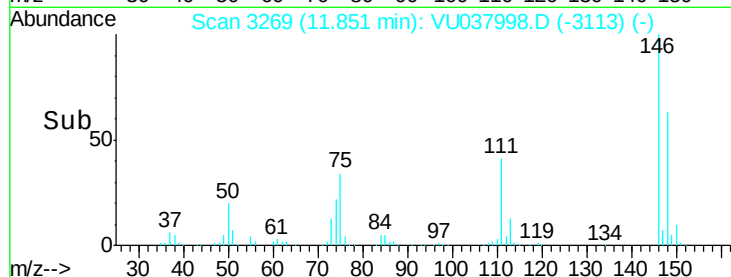
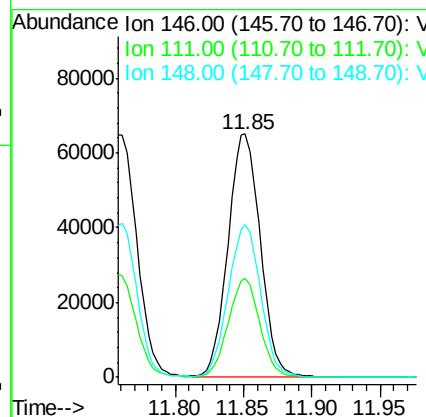
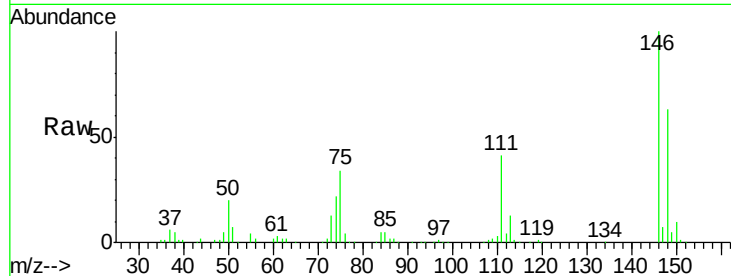
#83
 1,4-Dichlorobenzene
 Concen: 1.824 ug/l
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	31.8	47.6
148	63.0	51.2	76.8

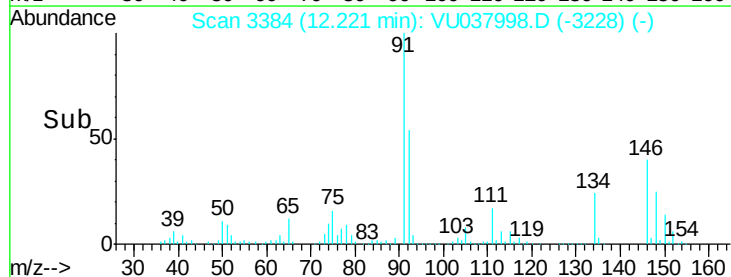
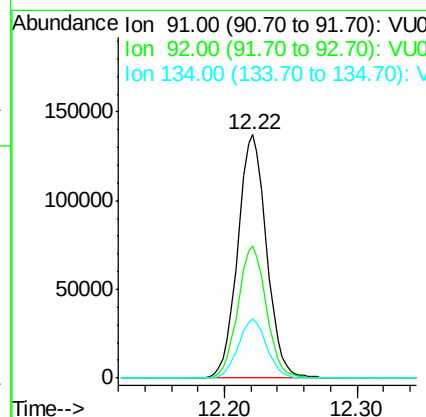
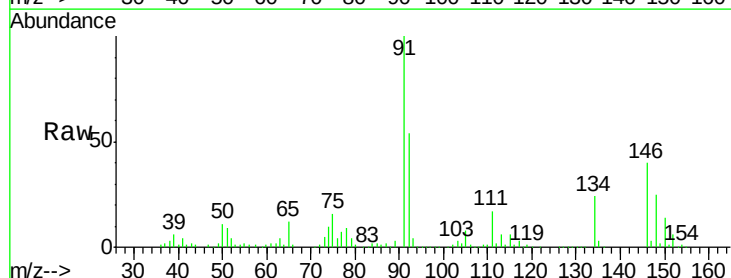
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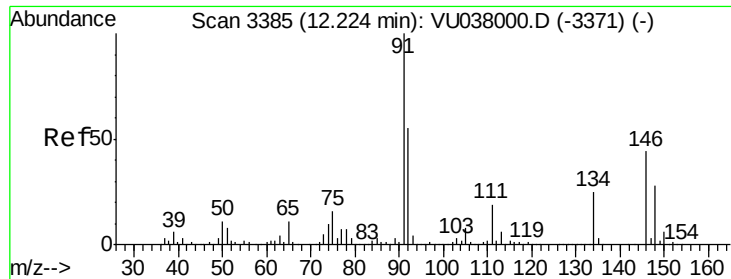
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#84
 n-Butylbenzene
 Concen: 1.966 ug/l
 RT: 12.22 min Scan# 3384
 Delta R.T. 0.00 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.6	43.8	65.6
134	24.2	19.4	29.2





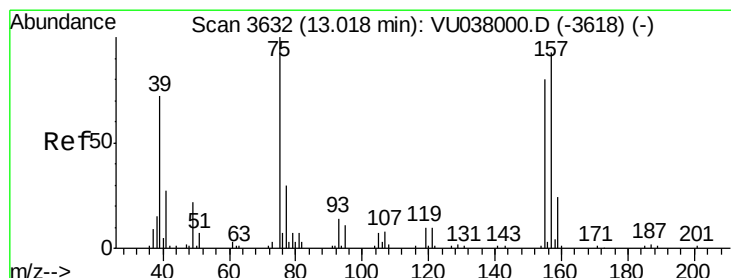
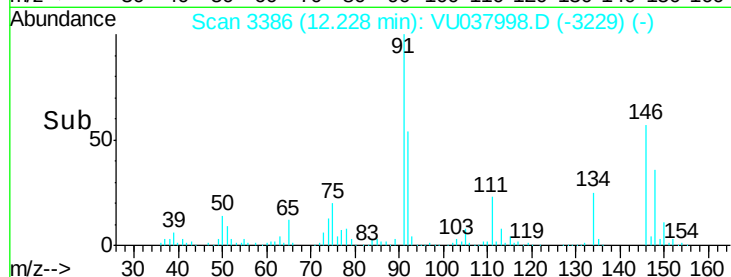
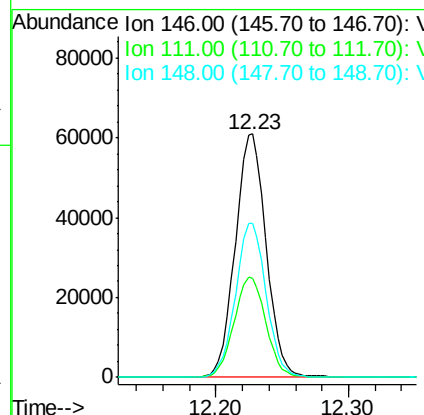
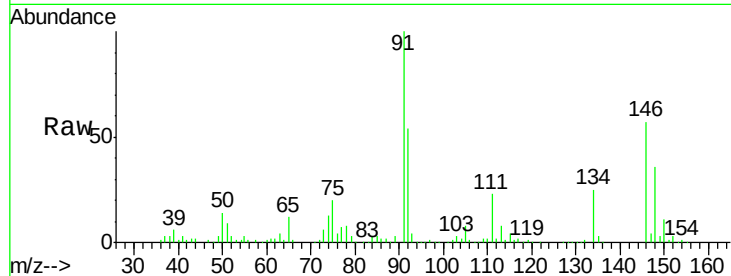
#85
 1,2-Dichlorobenzene
 Concen: 1.755 ug/l
 RT: 12.23 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.9	65.8
148	62.8	31.8	95.4

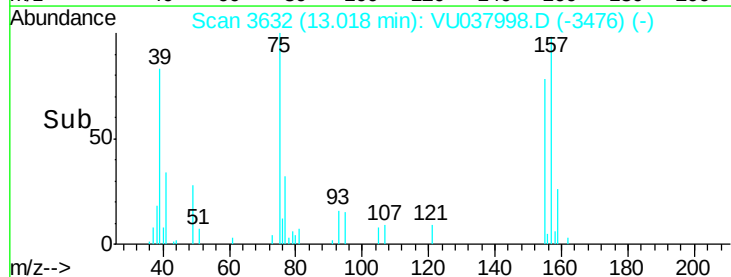
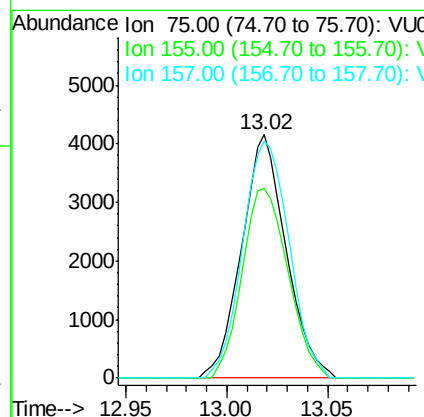
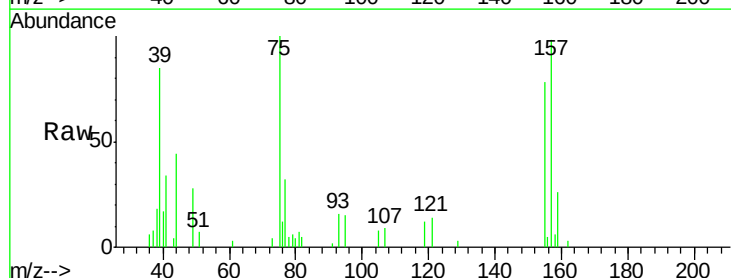
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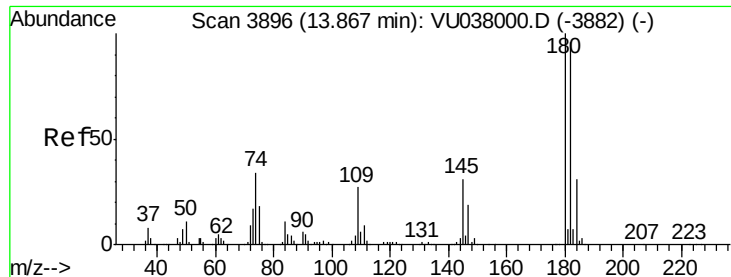
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 1.445 ug/l
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.4	60.9	91.3
157	101.7	78.1	117.1





#87

1,2,4-Trichlorobenzene

Concen: 2.368 ug/l

RT: 13.87 min Scan# 3896

Delta R.T. 0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

Instrument :

MSVOA_U

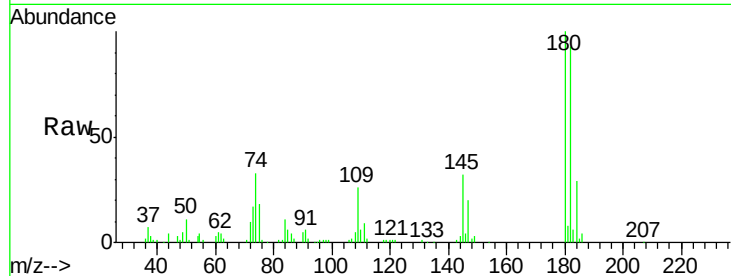
ClientSampleId :

VSTDIC002

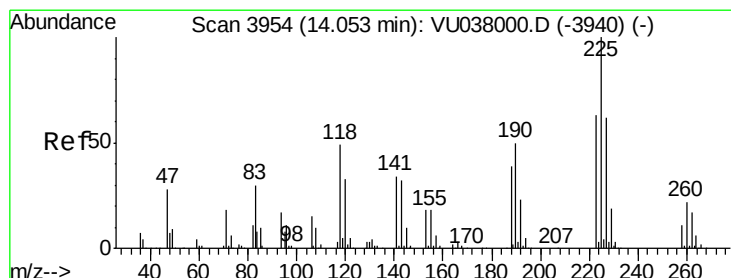
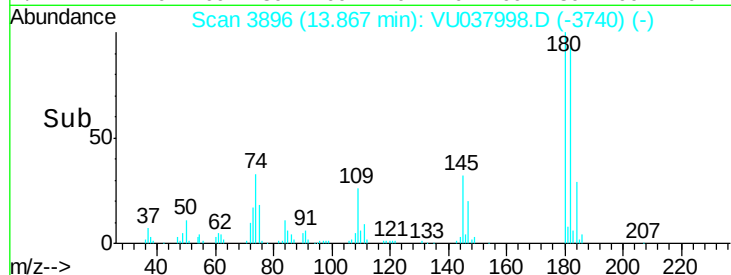
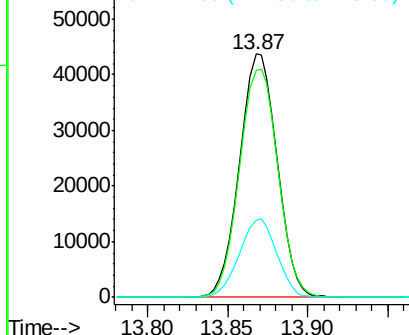
Tot Ion:	180	Resp:	70020
Ion Ratio	Lower	Upper	
180	100		
182	95.8	76.9	115.3
145	31.9	24.7	37.1

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



#88

Hexachlorobutadiene

Concen: 1.791 ug/l

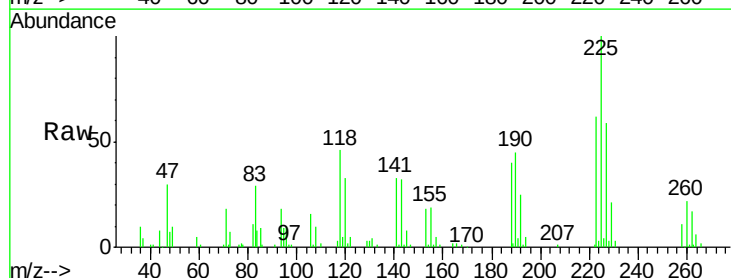
RT: 14.05 min Scan# 3954

Delta R.T. 0.00 min

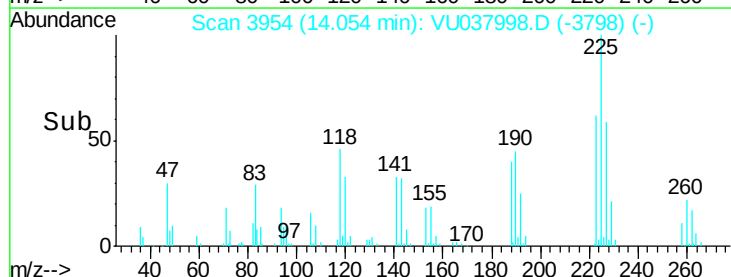
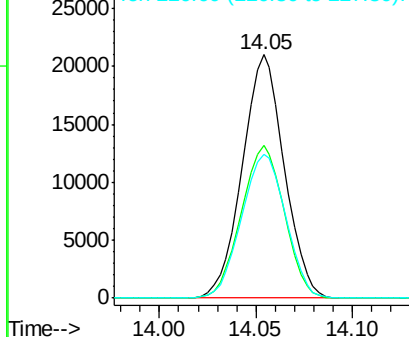
Lab File: VU037998.D

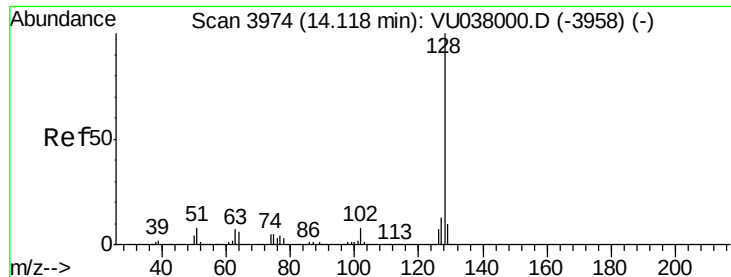
Acq: 04 May 2020 11:44

Tgt Ion:	225	Resp:	31632
Ion Ratio	Lower	Upper	
225	100		
223	64.1	51.3	76.9
227	62.3	49.2	73.8



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





#89

Naphthalene

Concen: 2.592 ug/l

RT: 14.12 min Scan# 3974

Delta R.T. 0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

Instrument :

MSVOA_U

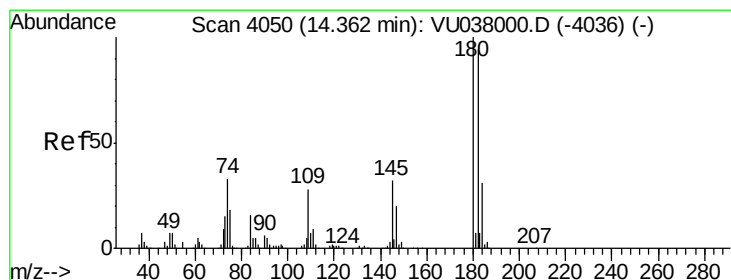
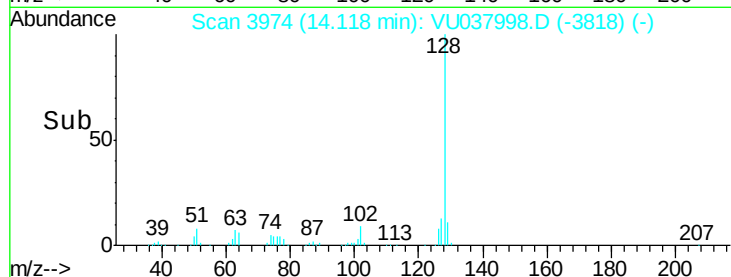
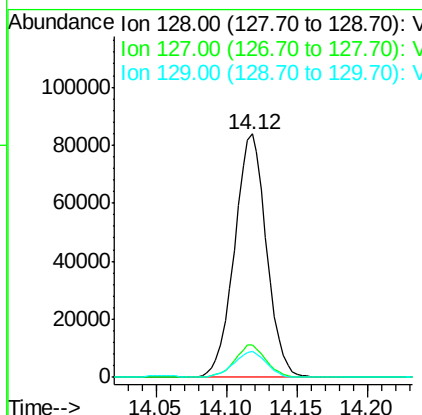
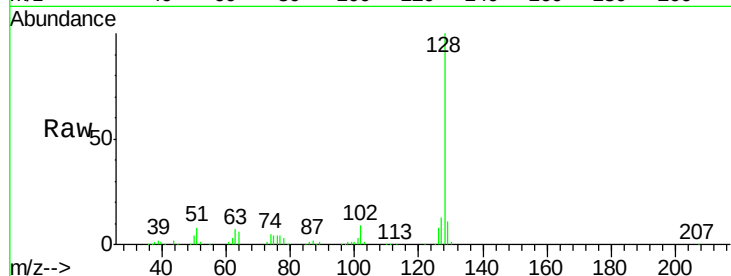
ClientSampleId :

VSTDIC002

Tot Ion:	128	Resp:	132865
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.9	8.6	12.8

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#90

1,2,3-Trichlorobenzene

Concen: 2.198 ug/l

RT: 14.36 min Scan# 4050

Delta R.T. 0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

Tgt Ion:	180	Resp:	62586
Ion Ratio	Lower	Upper	
180	100		
182	96.5	75.9	113.9
145	32.1	26.0	39.0

