

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U050420\
 Data File : VU037999.D
 Acq On : 04 May 2020 12:12
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
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apatel
 5/5/2020 11:15:44 AM

Quant Time: May 05 01:57:27 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	88396	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.65	95	34245	1.00	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.00%	
68) 1,2-Dichlorobenzene-d4	12.21	152	32670	0.95	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.00%	
Target Compounds					Ovalue	
2) Dichlorodifluoromethane	1.39	85	152799	3.722	ug/l	100
3) Chloromethane	1.54	50	176856	4.272	ug/l	100
4) Vinyl Chloride	1.62	62	180919	4.862	ug/l	100
5) Bromomethane	1.87	94	97146	6.924	ug/l	99
6) Chloroethane	1.95	64	107731	5.781	ug/l	99
7) Trichlorofluoromethane	2.16	101	189570	4.258	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.60	101	117800	5.417	ug/l	98
9) 1,1-Dichloroethene	2.60	96	115128	5.526	ug/l	98
10) Iodomethane	2.75	142	84358	8.110	ug/l	100
11) Allyl Chloride	2.95	41	217672	5.395	ug/l	98
12) Acrylonitrile	3.35	53	62923	12.356	ug/l	96
13) Acetone	2.66	43	123177	22.753	ug/l	100
14) Carbon Disulfide	2.82	76	421353	5.969	ug/l	99
15) Methylene Chloride	3.07	84	145193	5.499	ug/l	99
16) trans-1,2-Dichloroethene	3.38	96	127939	5.739	ug/l	98
17) 1,1-Dichloroethane	3.91	63	242875	4.854	ug/l	99
18) 2-Butanone	4.76	43	195184	23.904	ug/l	98
19) Cyclohexane	5.42	56	234151m	5.427	ug/l	
20) Methylcyclohexane	6.79	83	232242	5.429	ug/l	99
21) 2,2-Dichloropropane	4.70	77	200070	4.430	ug/l	99
22) cis-1,2-Dichloroethene	4.71	96	138127	5.146	ug/l	99
23) Diethyl Ether	2.40	59	102617	5.744	ug/l	99
24) tert-Butyl Alcohol	3.23	59	107838	56.335	ug/l	99
25) Methyl tert-Butyl Ether	3.40	73	322851	5.330	ug/l	100
26) Bromochloromethane	5.01	128	53487	4.589	ug/l	97
27) Chloroform	5.13	83	226385	4.272	ug/l	98
28) 1,1,1-Trichloroethane	5.35	97	188762	4.206	ug/l	99
29) 1,1-Dichloropropene	5.56	75	186291	4.968	ug/l	99
30) Carbon Tetrachloride	5.56	117	158248	4.071	ug/l	99
31) Isopropyl Ether	4.04	45	401971	5.022	ug/l	100
32) Ethyl-t-butyl ether	4.55	59	360367	4.805	ug/l	100
33) Tert-Amyl methyl ether	5.98	73	314680	4.898	ug/l	99
34) Propionitrile	4.82	54	52060	24.198	ug/l	98
35) Benzene	5.81	78	529796	4.984	ug/l	100
36) 1,2-Dichloroethane	5.83	62	157125	4.184	ug/l	100
37) Trichloroethene	6.57	130	138715	4.965	ug/l	99
38) 1,2-Dichloropropane	6.82	63	142677	4.913	ug/l	100
39) Methacrylonitrile	5.02	41	48550	4.724	ug/l	97
40) Methyl acrylate	4.89	55	75529	5.199	ug/l	99
41) Tetrahydrofuran	5.11	42	49277	9.620	ug/l	99
42) 1-Chlorobutane	5.49	56	272739	5.065	ug/l	99

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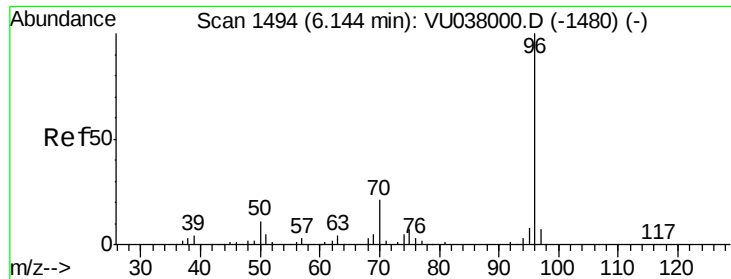
Manual Integrations
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Quant Time: May 05 01:57:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U050420DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue May 05 01:36:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.95	93	65814	4.486	ug/l	99
44) Bromodichloromethane	7.13	83	166067	4.367	ug/l	99
45) 4-Methyl-2-Pentanone	7.82	43	450132	22.814	ug/l	100
46) t-1,4-Dichloro-2-butene	10.85	75	59707m	11.086	ug/l	
47) Methyl methacrylate	6.99	69	139091	11.217	ug/l	97
48) Ethyl methacrylate	8.36	69	125157	5.120	ug/l	99
49) Toluene	7.99	92	337941	5.272	ug/l	99
50) t-1,3-Dichloropropene	8.23	75	169820	4.866	ug/l	99
51) cis-1,3-Dichloropropene	7.63	75	205597	5.106	ug/l	99
52) 1,1,2-Trichloroethane	8.42	97	93255	4.727	ug/l	98
53) 1,3-Dichloropropane	8.60	76	177400	5.016	ug/l	100
54) 2-Hexanone	8.71	43	312621	23.055	ug/l	99
55) Dibromochloromethane	8.83	129	104670	4.355	ug/l	100
56) 1,2-Dibromoethane	8.95	107	87332	4.722	ug/l	98
58) Tetrachloroethene	8.57	164	128698	4.906	ug/l	98
59) Chlorobenzene	9.47	112	358042	5.008	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.56	131	107986	4.252	ug/l	99
61) Pentachloroethane	11.44	117	79220	4.085	ug/l	99
62) Hexachloroethane	12.49	117	81054	3.935	ug/l	98
63) Ethyl Benzene	9.59	91	639173	5.240	ug/l	99
64) m/p-Xylenes	9.71	106	499225	10.810	ug/l	100
65) o-Xylene	10.12	106	238505	5.338	ug/l	99
66) Styrene	10.13	104	401307	5.498	ug/l	100
67) Bromoform	10.31	173	54273	4.304	ug/l	100
69) Isopropylbenzene	10.50	105	635780	5.240	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.80	83	119743	4.629	ug/l	98
71) 1,2,3-Trichloropropane	10.84	75	82595m	4.049	ug/l	
72) Bromobenzene	10.80	156	142945	4.868	ug/l	99
73) n-propylbenzene	10.92	120	175003	5.429	ug/l	100
74) 2-Chlorotoluene	11.00	126	142777	4.949	ug/l	99
75) 1,3,5-Trimethylbenzene	11.10	105	523363	5.035	ug/l	100
76) 4-Chlorotoluene	11.11	126	152866	5.238	ug/l	97
77) tert-Butylbenzene	11.44	119	495239	4.883	ug/l	99
78) 1,2,4-Trimethylbenzene	11.48	105	544487	5.199	ug/l	99
79) sec-Butylbenzene	11.66	105	701796	5.049	ug/l	100
80) Nitrobenzene	13.23	77	16289	27.623	ug/l	99
81) p-Isopropyltoluene	11.81	119	574847	5.257	ug/l	100
82) 1,3-Dichlorobenzene	11.76	146	284121	4.899	ug/l	100
83) 1,4-Dichlorobenzene	11.85	146	286043	4.871	ug/l	100
84) n-Butylbenzene	12.22	91	572368	5.470	ug/l	100
85) 1,2-Dichlorobenzene	12.23	146	264801	4.731	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	13.02	75	19625	4.439	ug/l	95
87) 1,2,4-Trichlorobenzene	13.87	180	190325	6.463	ug/l	99
88) Hexachlorobutadiene	14.05	225	86524	4.920	ug/l	99
89) Naphthalene	14.12	128	371171	7.269	ug/l	100
90) 1,2,3-Trichlorobenzene	14.36	180	171425	6.043	ug/l	100

(#) = 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: VU037999.D

Acq: 04 May 2020 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 88396

Ion Ratio Lower Upper

96 100

70 19.8 14.4 21.6

95 8.8 7.1 10.7

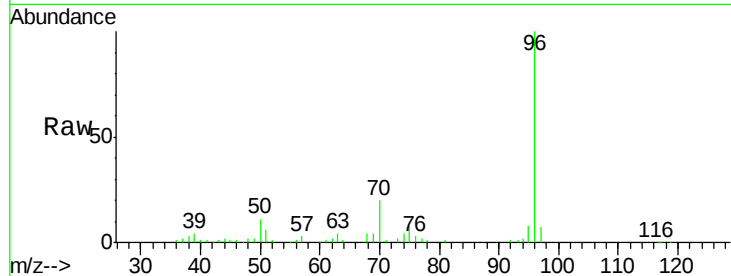
97 6.7 0.0 0.0#

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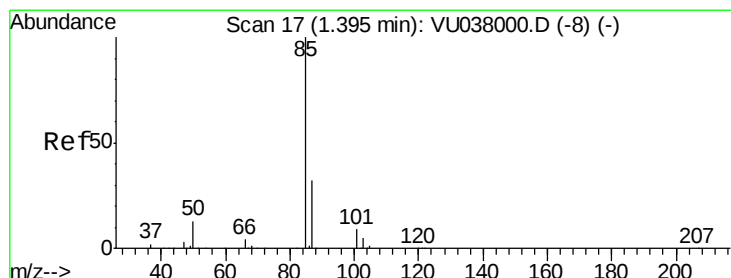
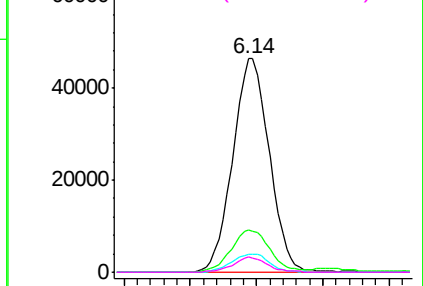
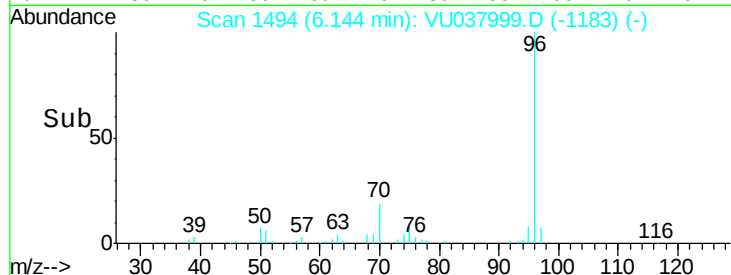


Abundance Ion 96.00 (95.70 to 96.70): VU037999.D (-1183) (-)

Ion 70.00 (69.70 to 70.70): VU037999.D (-1183) (-)

Ion 95.00 (94.70 to 95.70): VU037999.D (-1183) (-)

Ion 97.00 (96.70 to 97.70): VU037999.D (-1183) (-)



#2

Dichlorodifluoromethane

Concen: 3.722 ug/l

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU037999.D

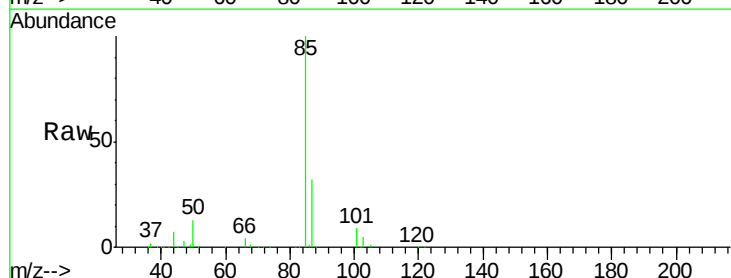
Acq: 04 May 2020 12:12

Tgt Ion: 85 Resp: 152799

Ion Ratio Lower Upper

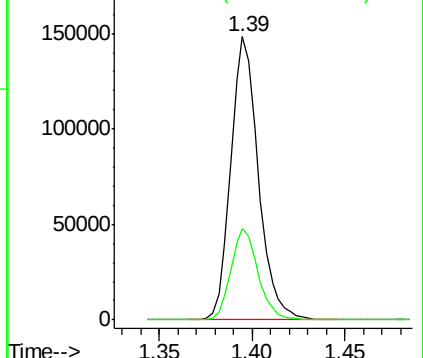
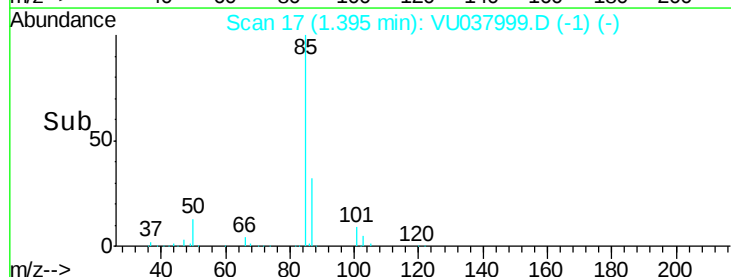
85 100

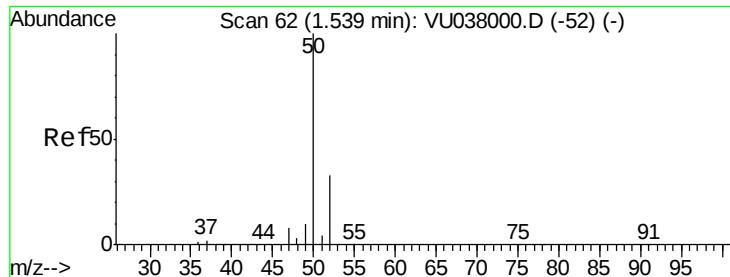
87 32.1 16.2 48.5



Abundance Ion 85.00 (84.70 to 85.70): VU037999.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU037999.D (-1) (-)





#3

Chloromethane

Concen: 4.272 ug/l

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 176856

Ion Ratio Lower Upper

50 100

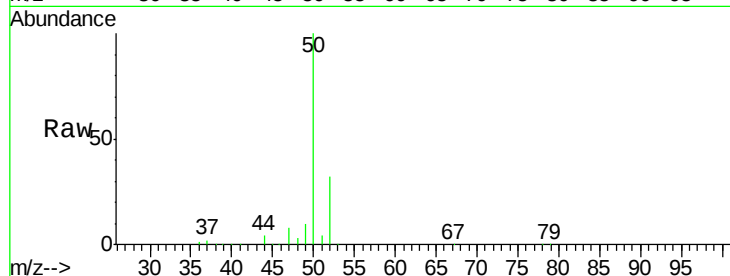
52 32.4 26.1 39.1

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Abundance Ion 50.00 (49.70 to 50.70): VU038000.D (-52) (-)

Ion 52.00 (51.70 to 52.70): VU038000.D (-52) (-)

1.54

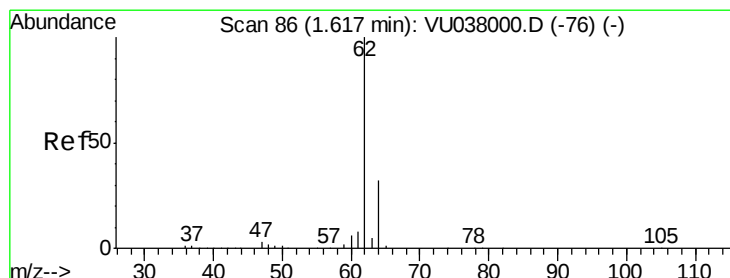
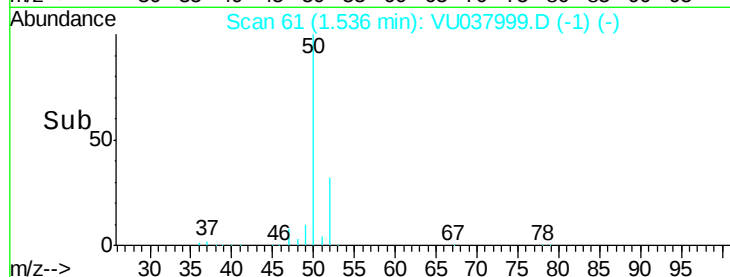
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 4.862 ug/l

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037999.D

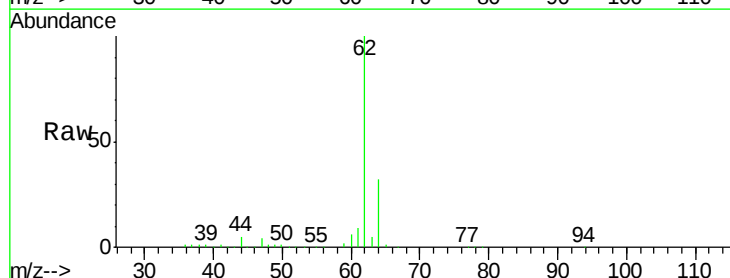
Acq: 04 May 2020 12:12

Tgt Ion: 62 Resp: 180919

Ion Ratio Lower Upper

62 100

64 32.0 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VU038000.D (-76) (-)

Ion 64.00 (63.70 to 64.70): VU038000.D (-76) (-)

1.62

200000

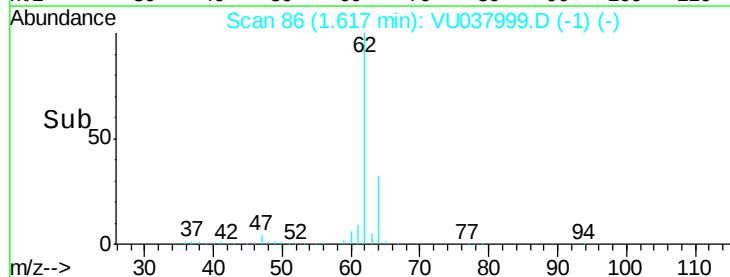
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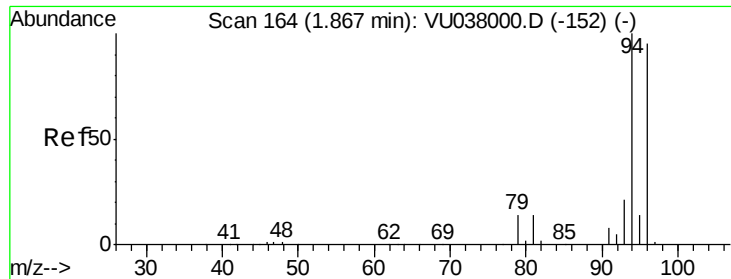
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50000

0

Time-->





#5

Bromomethane

Concen: 6.924 ug/l

RT: 1.87 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 97146

Ion Ratio Lower Upper

94 100

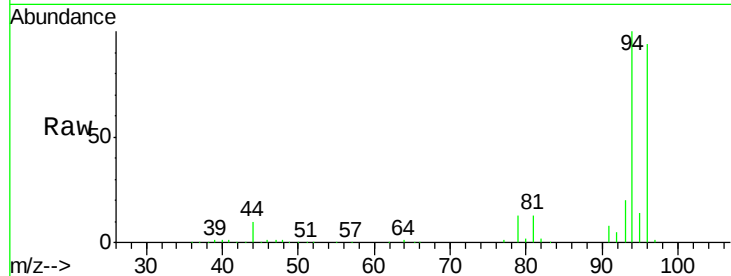
96 94.1 76.1 114.1

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Abundance Ion 94.00 (93.70 to 94.70): VU037999.D (-152) (-)

Ion 96.00 (95.70 to 96.70): VU037999.D (-152) (-)

1.87

80000

60000

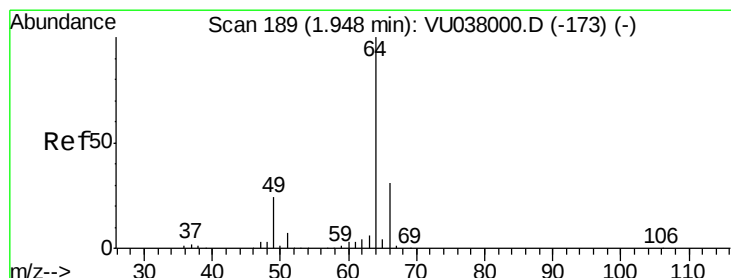
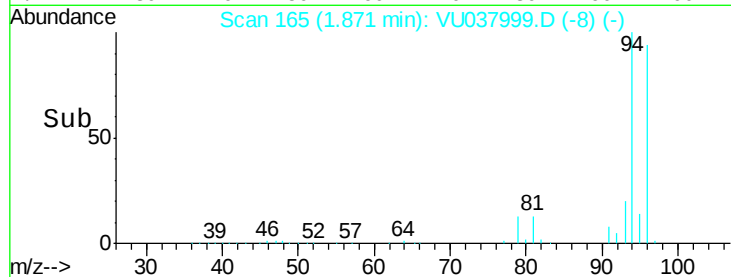
40000

20000

0

1.80 1.85 1.90 1.95

Time-->



#6

Chloroethane

Concen: 5.781 ug/l

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU037999.D

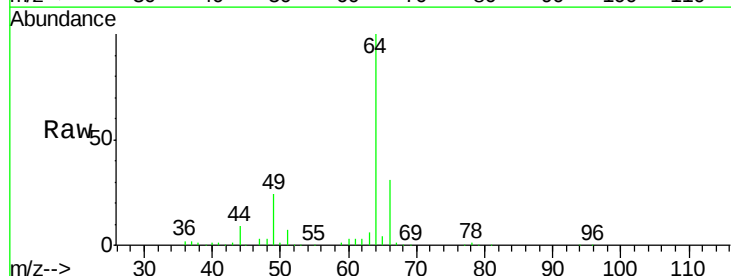
Acq: 04 May 2020 12:12

Tgt Ion: 64 Resp: 107731

Ion Ratio Lower Upper

64 100

66 31.3 24.8 37.2



Abundance Ion 64.00 (63.70 to 64.70): VU037999.D (-33) (-)

Ion 66.00 (65.70 to 66.70): VU037999.D (-33) (-)

1.95

80000

60000

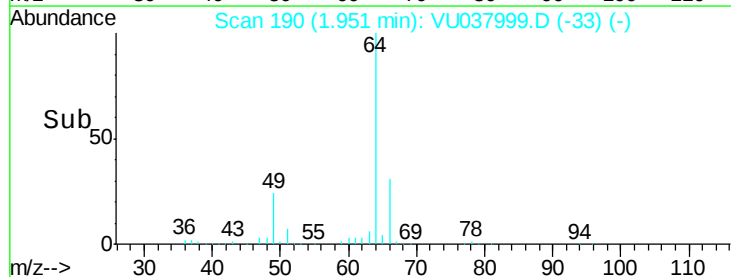
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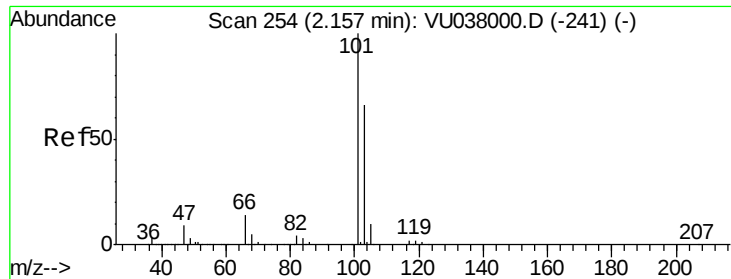
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0

1.90 1.95 2.00 2.05

Time-->





#7

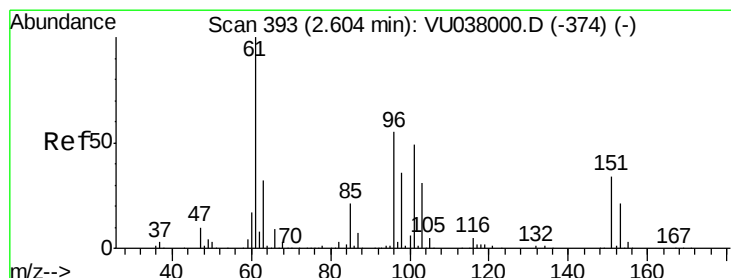
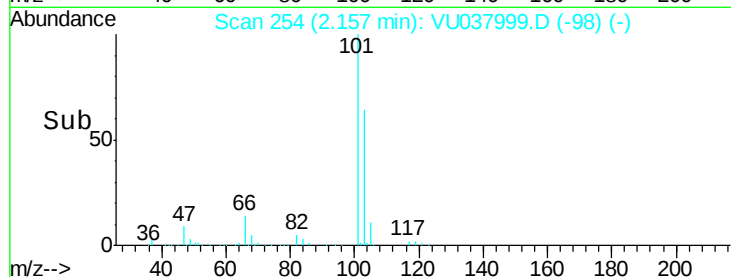
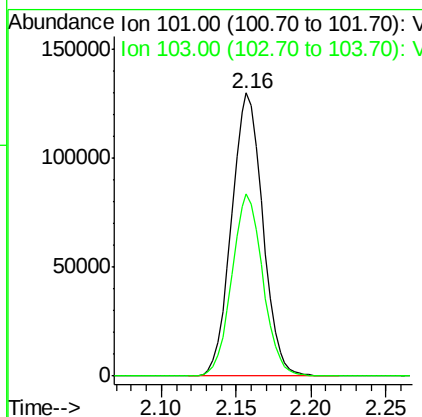
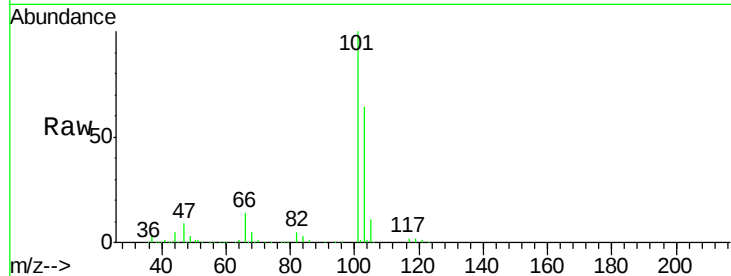
Trichlorofluoromethane
Concen: 4.258 ug/l
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Instrument :
MSVOA_U
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
101	100	189570		
103	64.2	52.6	78.8	

Manual Integrations
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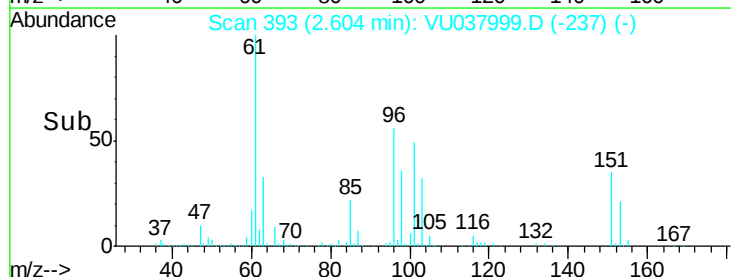
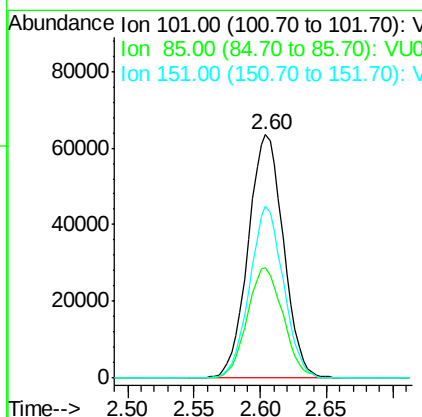
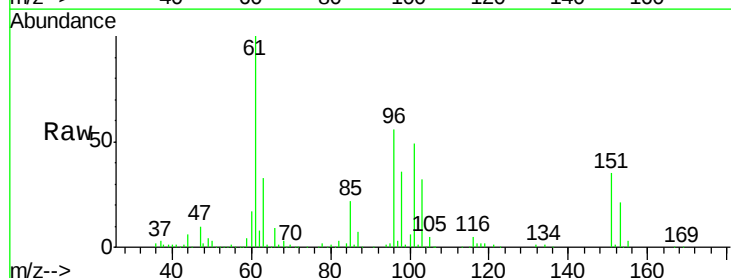
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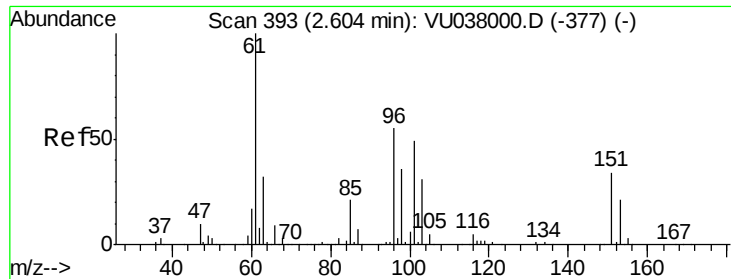


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.417 ug/l
RT: 2.60 min Scan# 393
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	117800		
85	46.1	35.5	53.3	
151	67.7	55.2	82.8	





#9

1,1-Dichloroethene

Concen: 5.526 ug/l

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

Instrument :

MSVOA_U

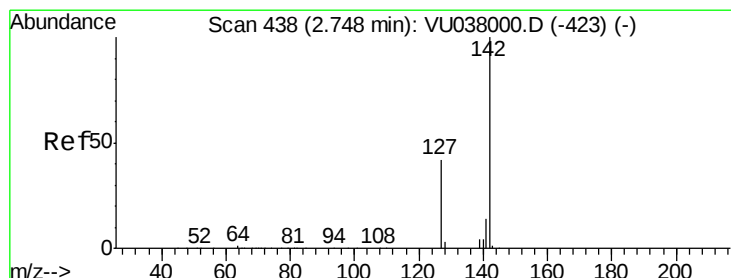
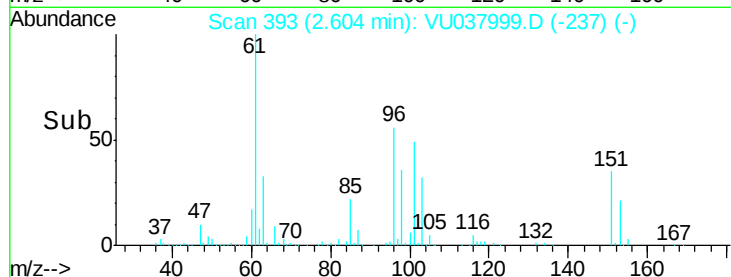
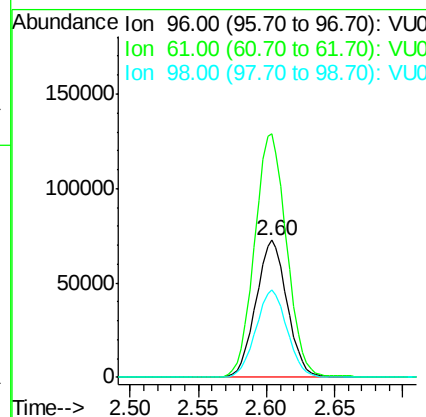
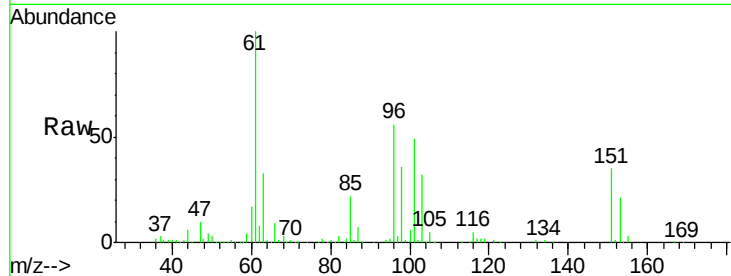
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	115128
Ion	Ratio	Lower	Upper
96	100		
61	178.0	0.0	543.0
98	64.3	0.0	129.4

Manual Integrations
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#10

Iodomethane

Concen: 8.110 ug/l

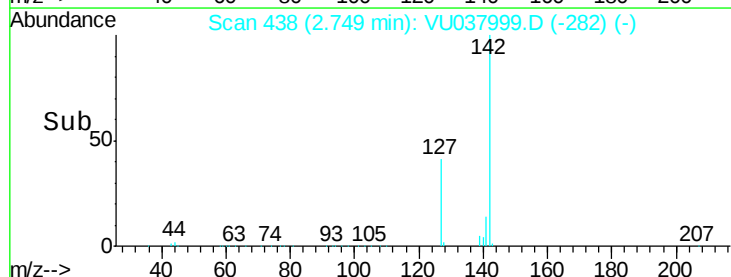
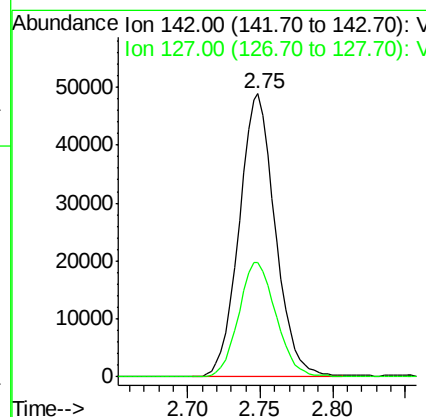
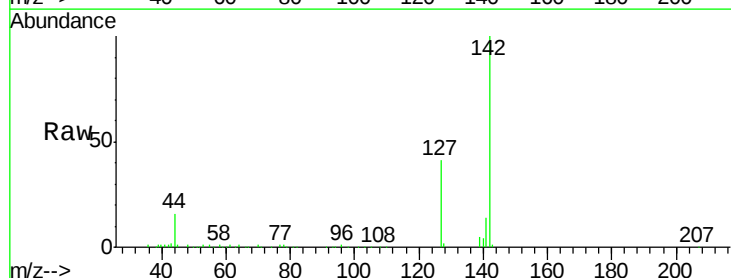
RT: 2.75 min Scan# 438

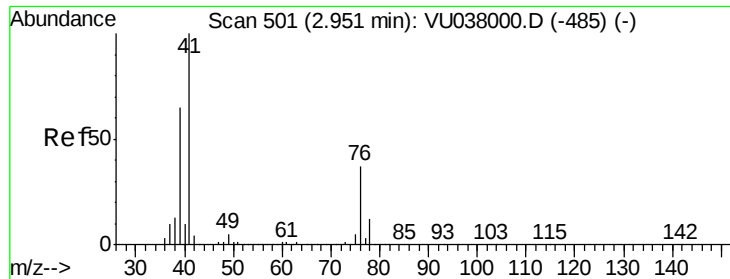
Delta R.T. 0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

Tgt Ion:	142	Resp:	84358
Ion	Ratio	Lower	Upper
142	100		
127	41.9	33.5	50.3





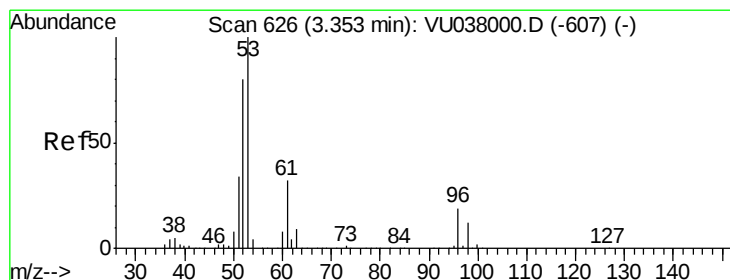
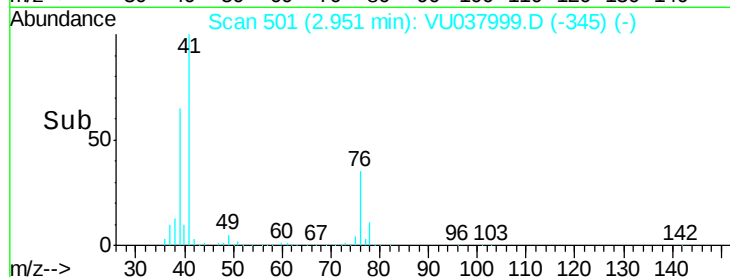
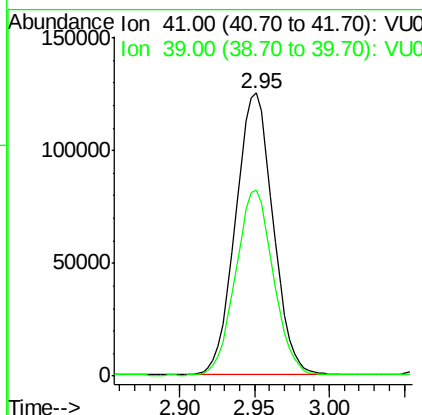
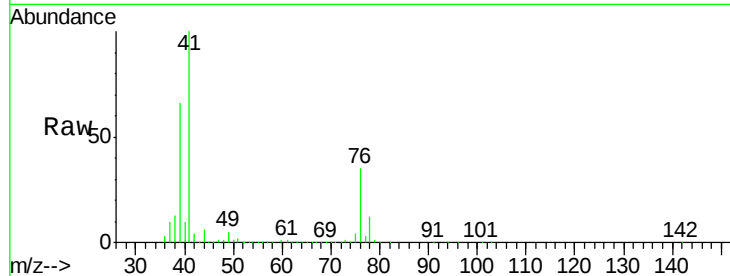
#11
Allvl Chloride
Concen: 5.395 ug/l
RT: 2.95 min Scan# 501
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion: 41 Resp: 217672
Ion Ratio Lower Upper
41 100
39 66.3 51.7 77.5

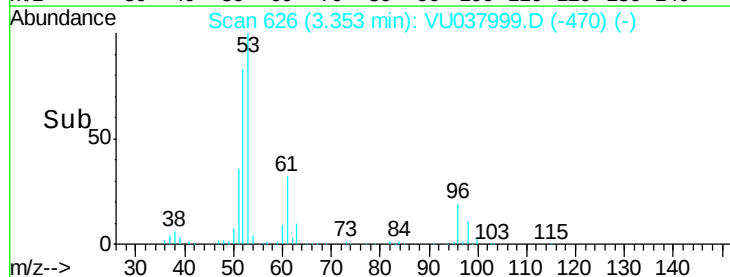
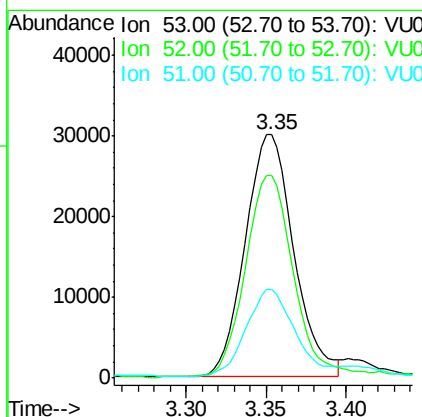
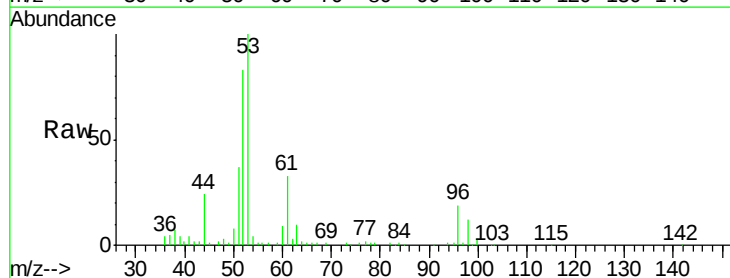
Manual Integrations
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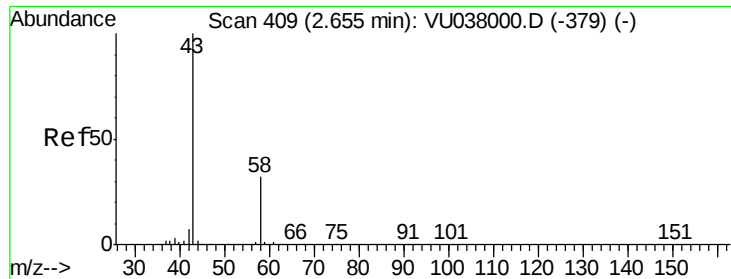
apatel
5/5/2020 11:15:44 AM



#12
Acrylonitrile
Concen: 12.356 ug/l
RT: 3.35 min Scan# 626
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Tgt Ion: 53 Resp: 62923
Ion Ratio Lower Upper
53 100
52 82.8 63.3 94.9
51 35.4 30.2 45.2





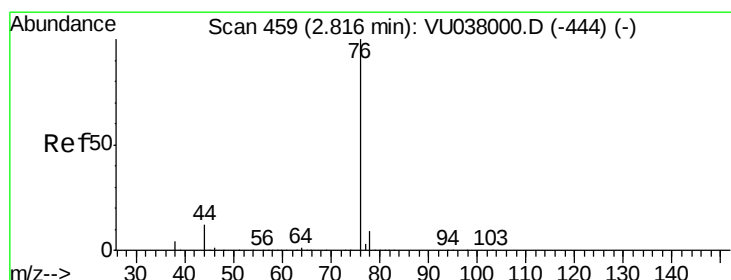
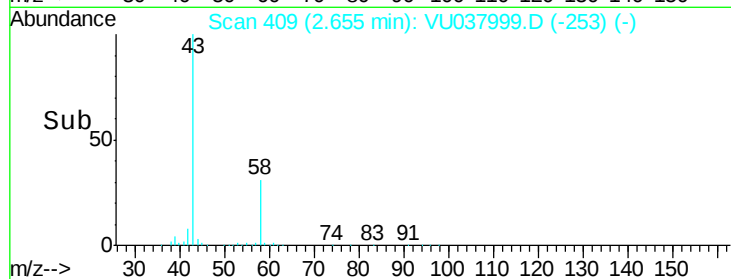
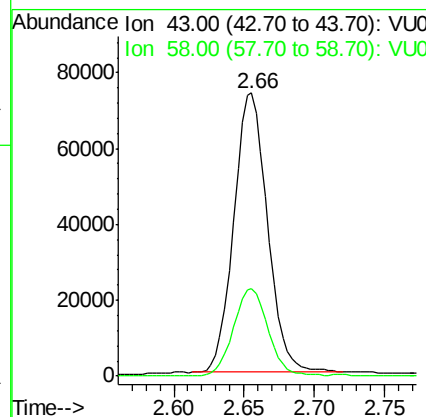
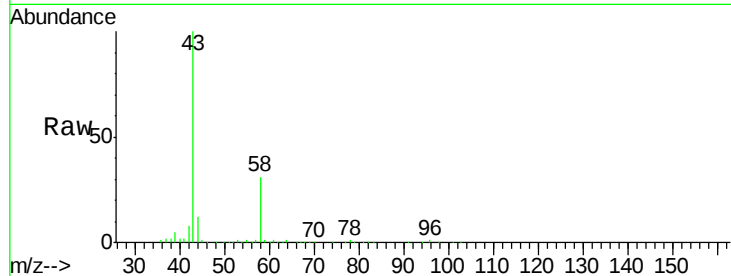
#13
Acetone
Concen: 22.753 ug/l
RT: 2.66 min Scan# 409
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	31.4	25.2	37.8

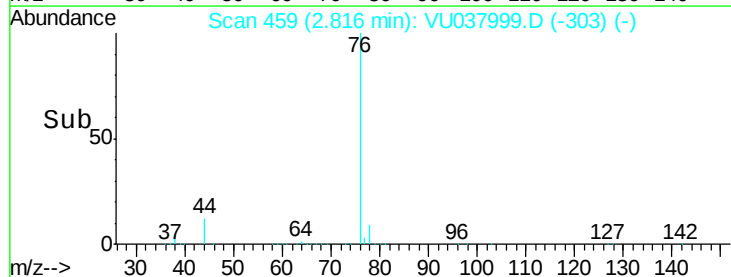
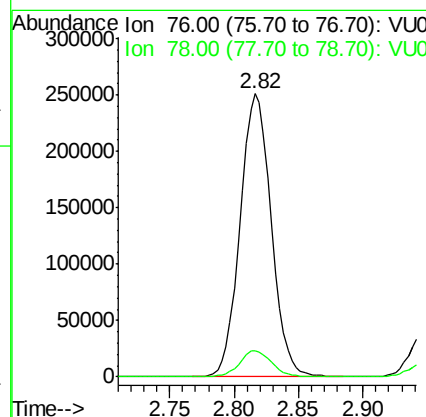
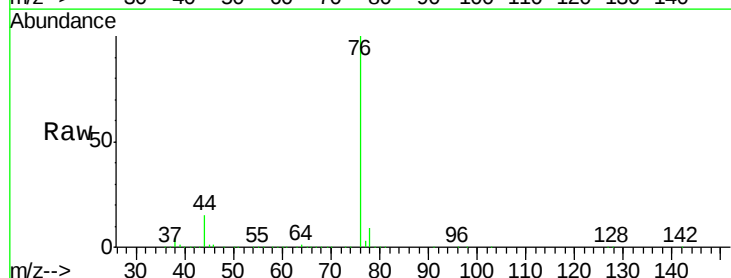
Manual Integrations
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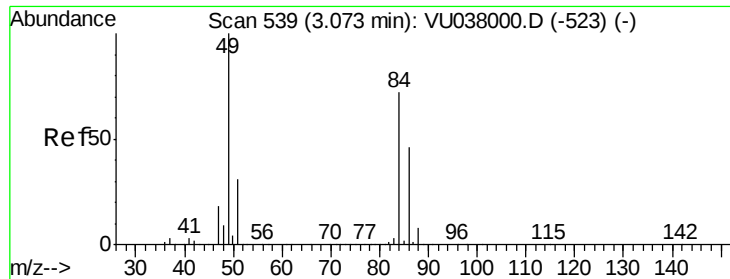
apatel
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#14
Carbon Disulfide
Concen: 5.969 ug/l
RT: 2.82 min Scan# 459
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.6





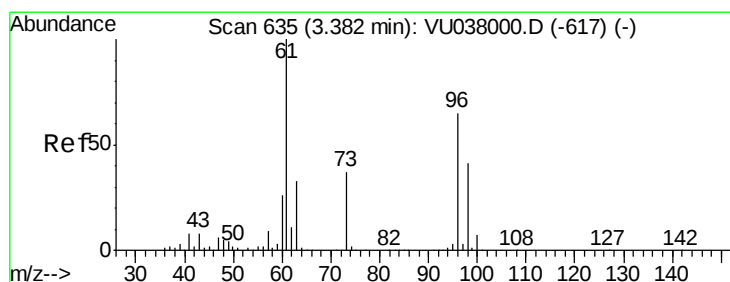
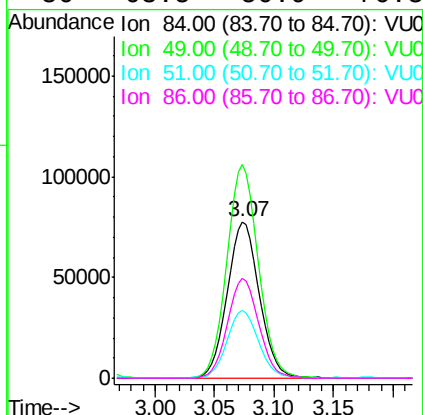
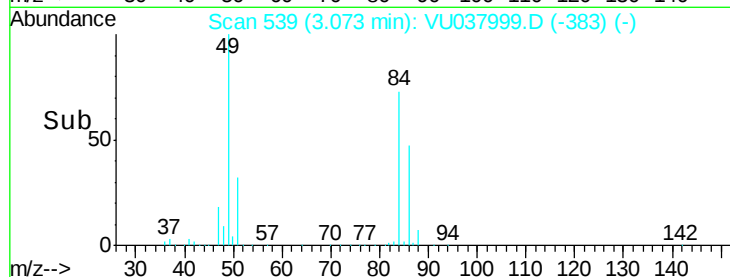
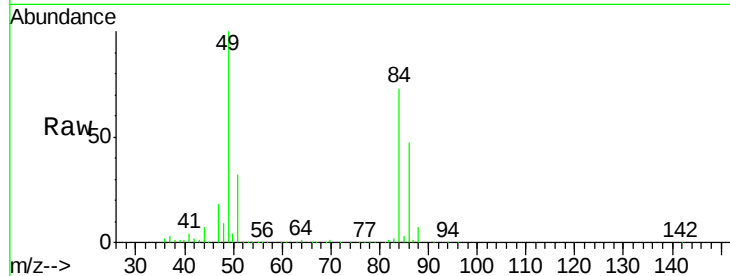
#15
Methvlene Chloride
Concen: 5.499 ug/l
RT: 3.07 min Scan# 539
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion:	84	Resp:	145193
Ion	Ratio	Lower	Upper
84	100		
49	136.1	110.6	166.0
51	43.1	0.0	85.4
86	63.5	50.9	76.3

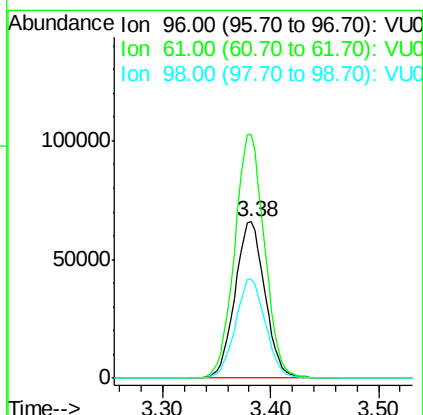
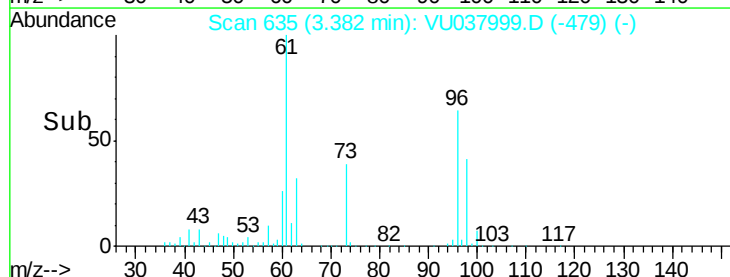
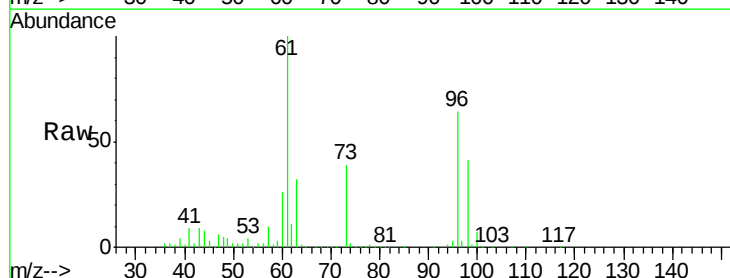
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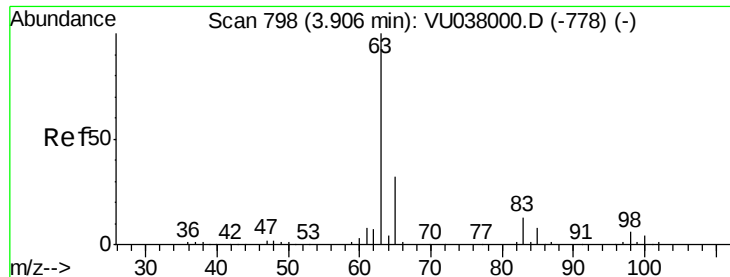
apatel
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#16
trans-1,2-Dichloroethene
Concen: 5.739 ug/l
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Tgt Ion:	96	Resp:	127939
Ion	Ratio	Lower	Upper
96	100		
61	155.4	122.4	183.6
98	63.5	50.1	75.1





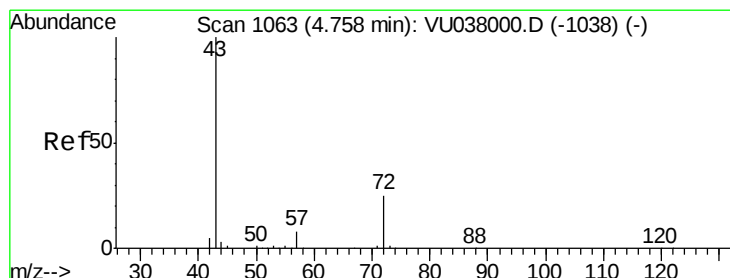
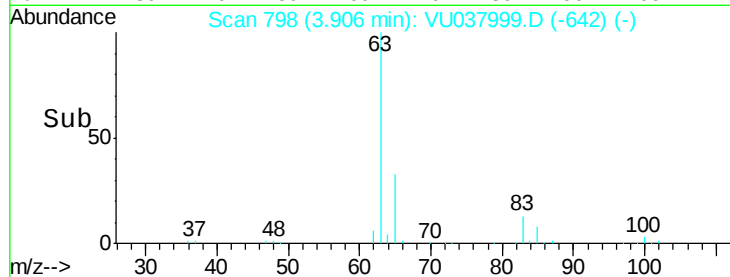
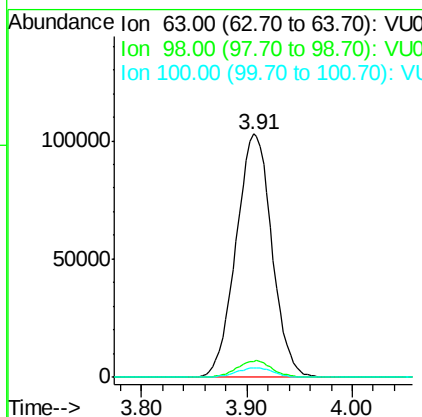
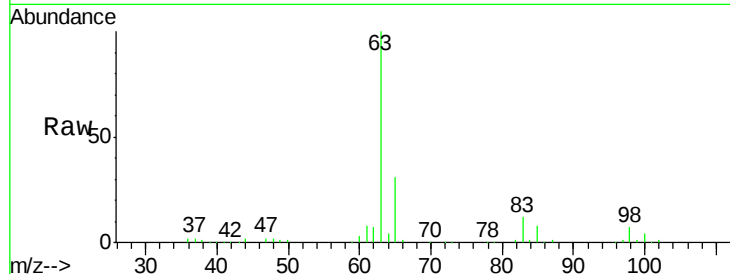
#17
 1,1-Dichloroethane
 Concen: 4.854 ug/l
 RT: 3.91 min Scan# 798
 Delta R.T. 0.00 min
 Lab File: VU037999.D
 Acq: 04 May 2020 12:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion:	63	Resp:	242875
Ion Ratio	Lower	Upper	
63	100		
98	6.7	3.1	9.4
100	3.8	2.2	6.6

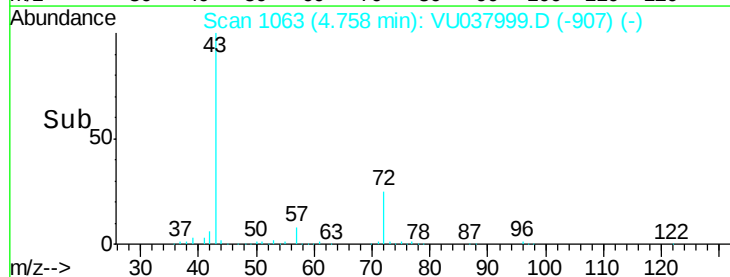
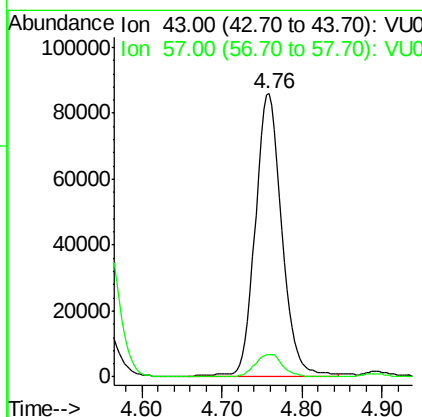
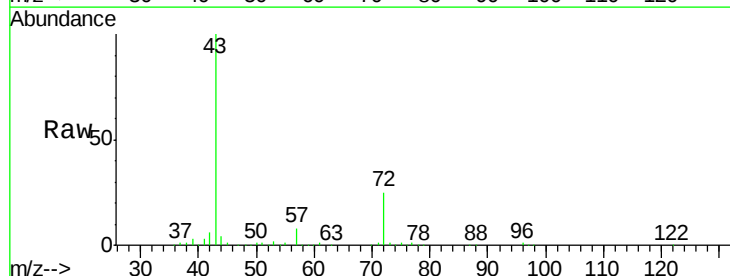
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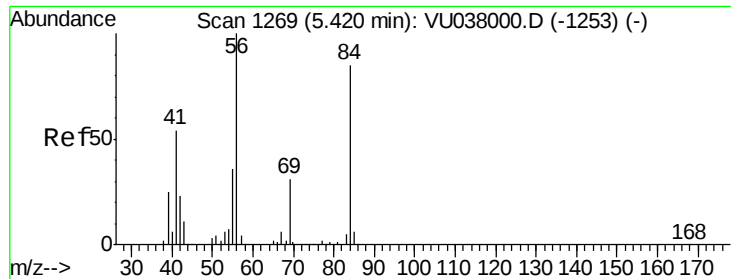
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#18
 2-Butanone
 Concen: 23.904 ug/l
 RT: 4.76 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: VU037999.D
 Acq: 04 May 2020 12:12

Tgt Ion:	43	Resp:	195184
Ion Ratio	Lower	Upper	
43	100		
57	7.8	0.0	16.6





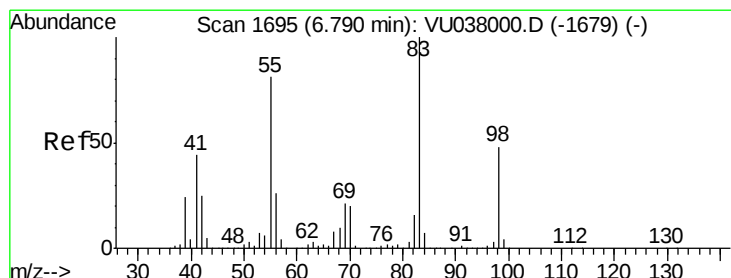
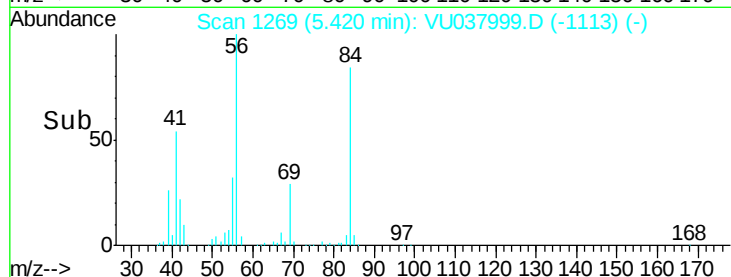
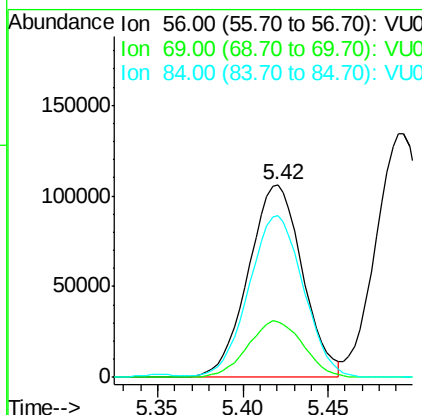
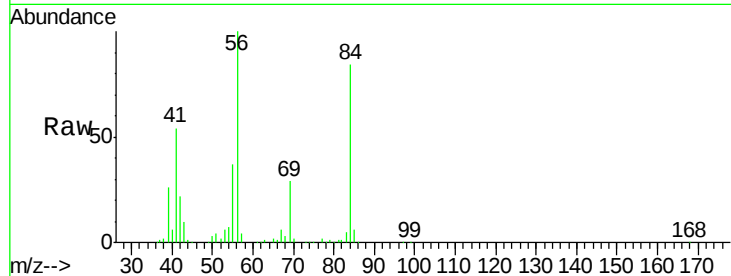
#19
Cyclohexane
Concen: 5.427 ug/l m
RT: 5.42 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.9	24.3	36.5
84	83.3	66.3	99.5

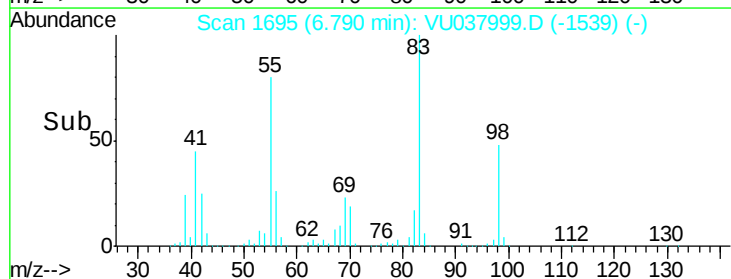
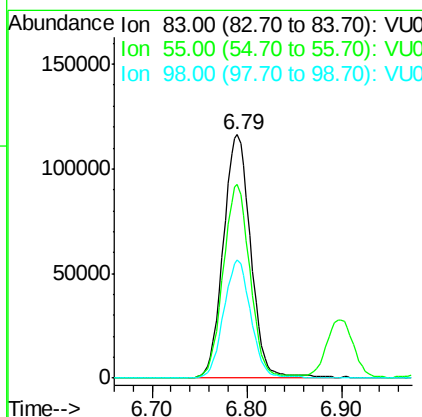
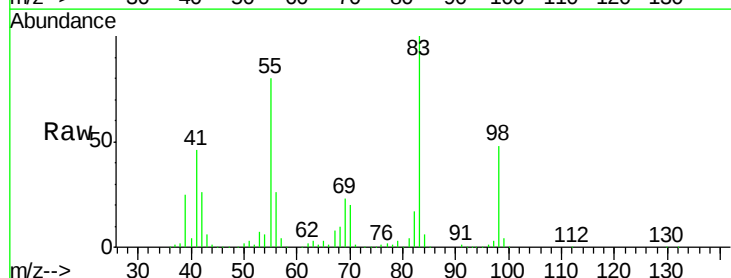
Manual Integrations
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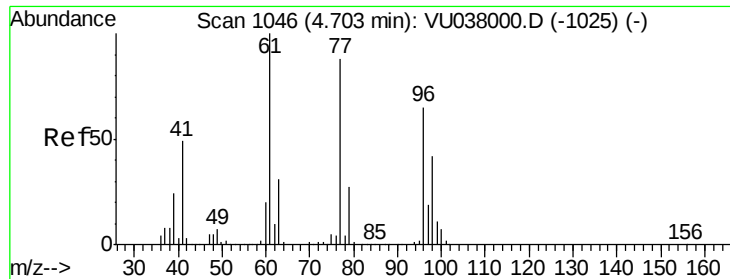
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#20
Methylcyclohexane
Concen: 5.429 ug/l
RT: 6.79 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Tgt Ion	Ratio	Lower	Upper
83	100		
55	76.5	61.5	92.3
98	47.2	37.3	55.9





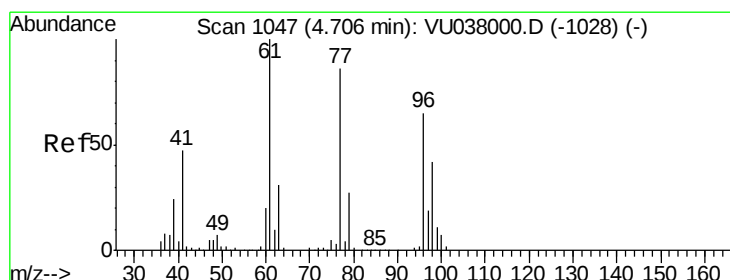
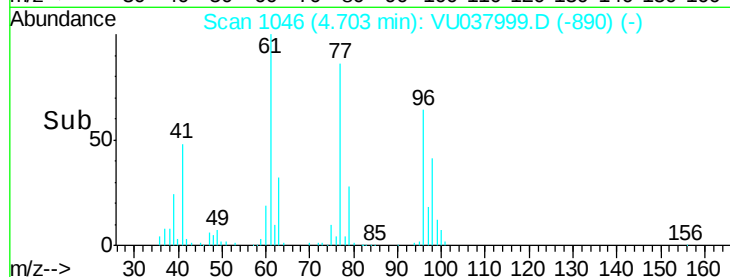
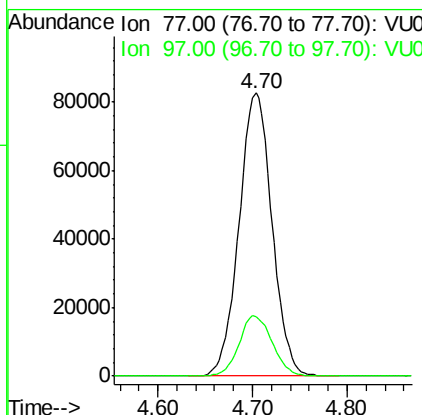
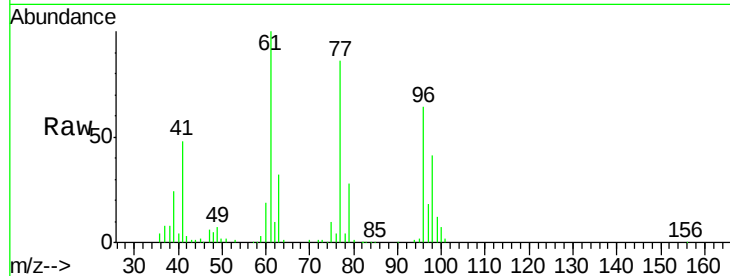
#21
 2,2-Dichloropropane
 Concen: 4.430 ug/l
 RT: 4.70 min Scan# 1046
 Delta R.T. 0.00 min
 Lab File: VU037999.D
 Acq: 04 May 2020 12:12

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC005

Tot Ion: 77 Resp: 200070
 Ion Ratio Lower Upper
 77 100
 97 21.5 17.4 26.2

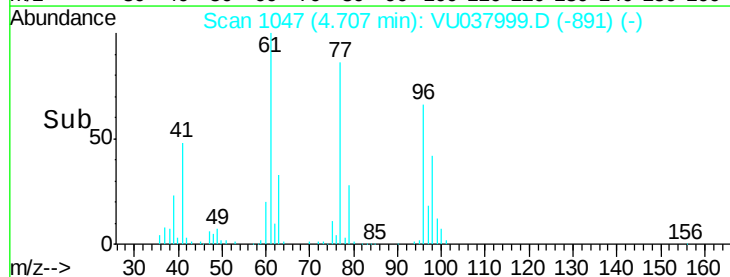
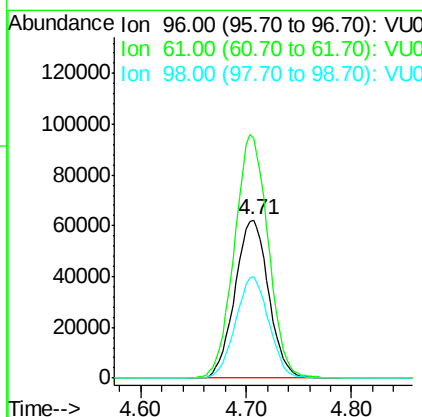
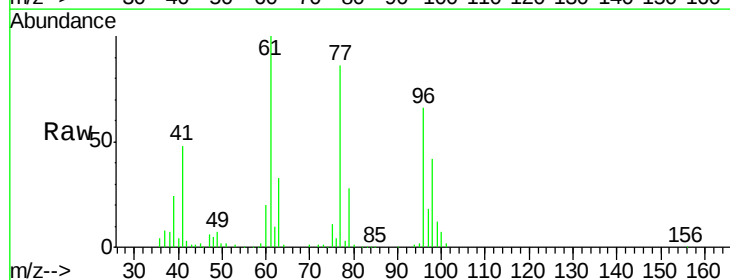
Manual Integrations
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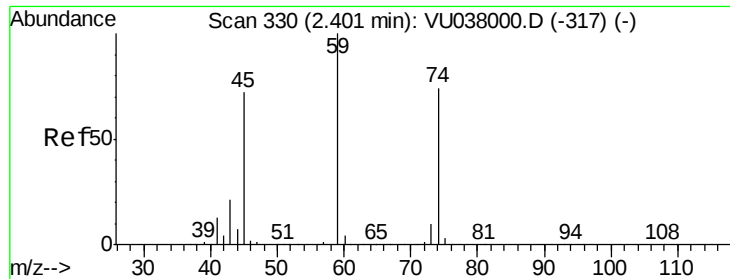
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#22
 cis-1,2-Dichloroethene
 Concen: 5.146 ug/l
 RT: 4.71 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: VU037999.D
 Acq: 04 May 2020 12:12

Tgt Ion: 96 Resp: 138127
 Ion Ratio Lower Upper
 96 100
 61 154.6 0.0 389.3
 98 63.3 32.1 96.3





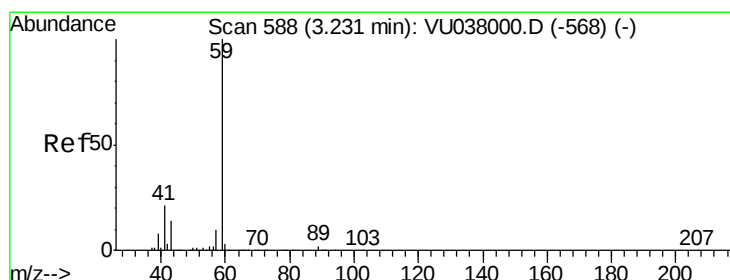
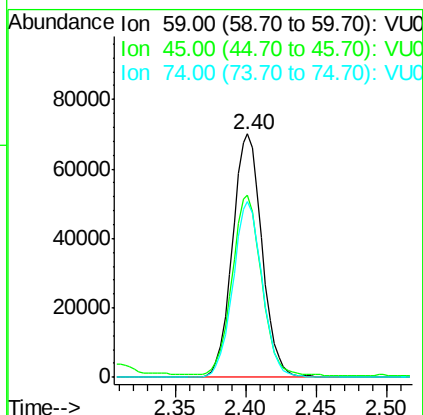
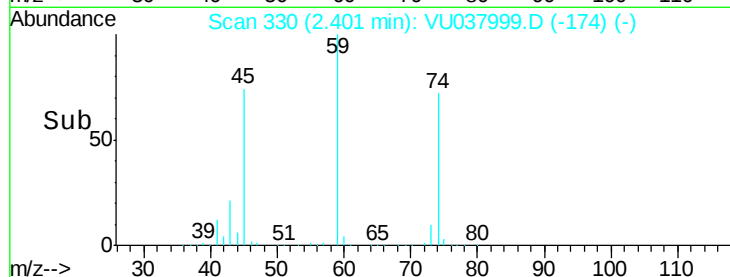
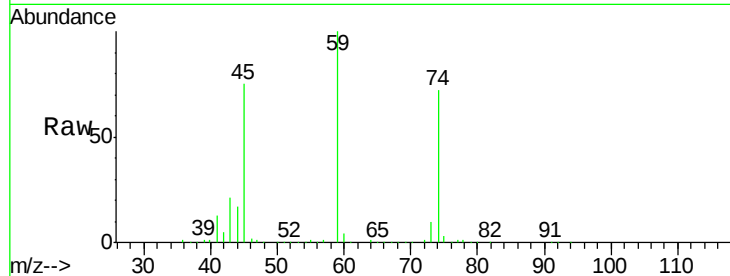
#23
Diethyl Ether
Concen: 5.744 ug/l
RT: 2.40 min Scan# 330
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
45	73.7	59.8	89.6
74	71.5	58.2	87.4

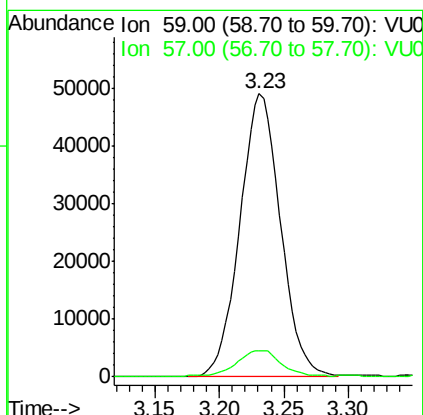
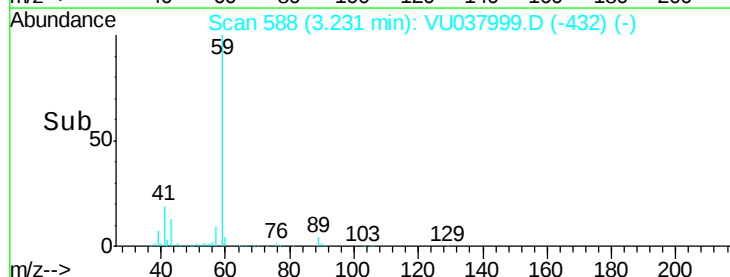
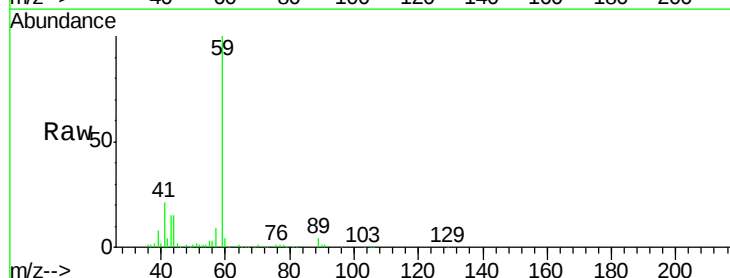
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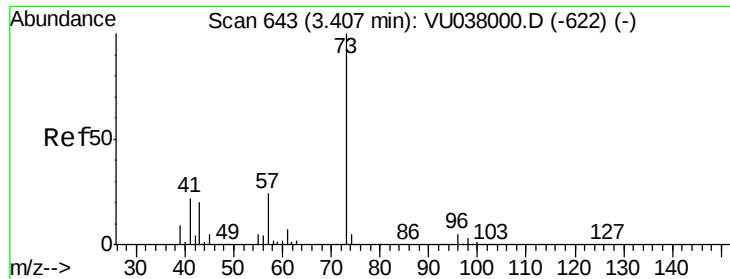
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#24
tert-Butyl Alcohol
Concen: 56.335 ug/l
RT: 3.23 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.2	12.4





#25

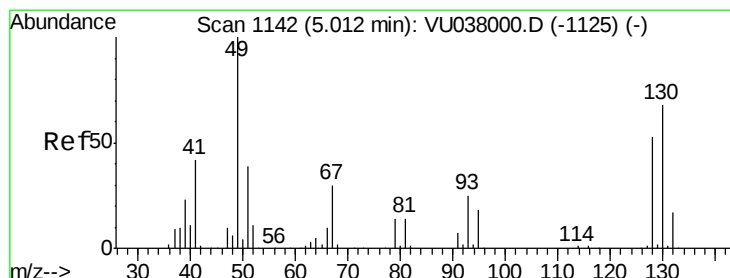
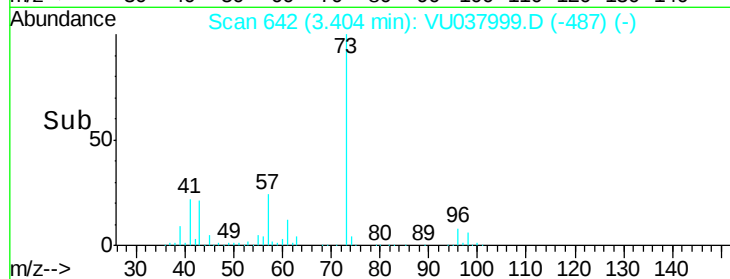
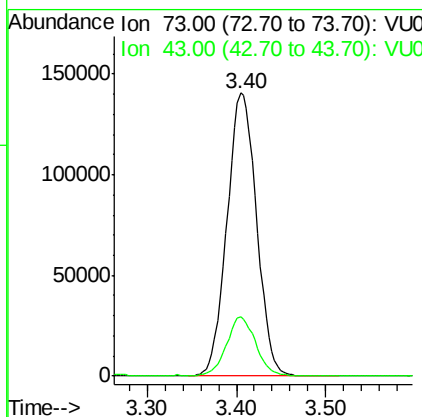
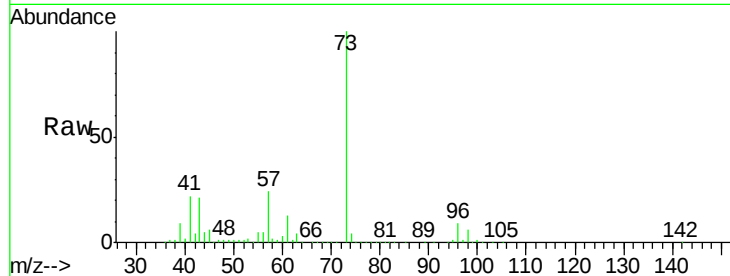
Methvl tert-Butvl Ether
 Concen: 5.330 ug/l
 RT: 3.40 min Scan# 642
 Delta R.T. -0.00 min
 Lab File: VU037999.D
 Acq: 04 May 2020 12:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
43	20.2	16.2	24.2

Manual Integrations
 APPROVED

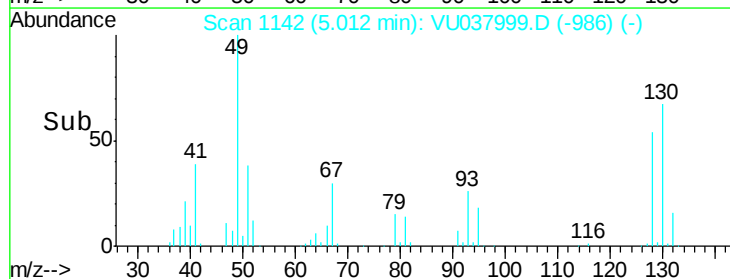
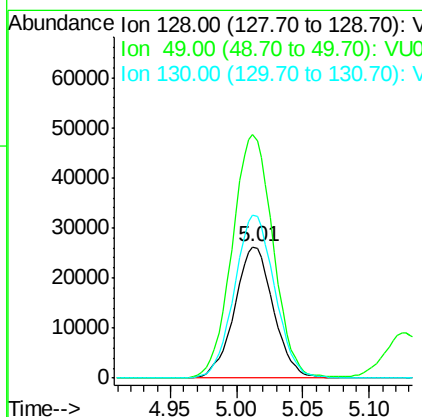
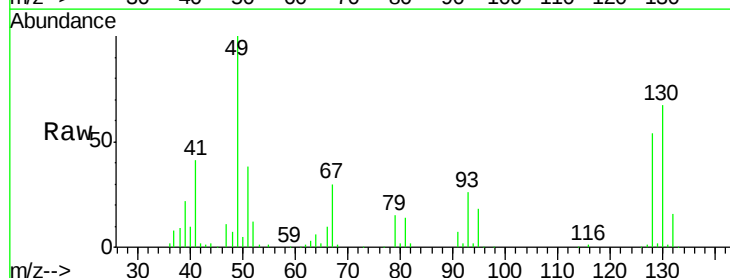
apatel
 5/5/2020 11:15:44 AM

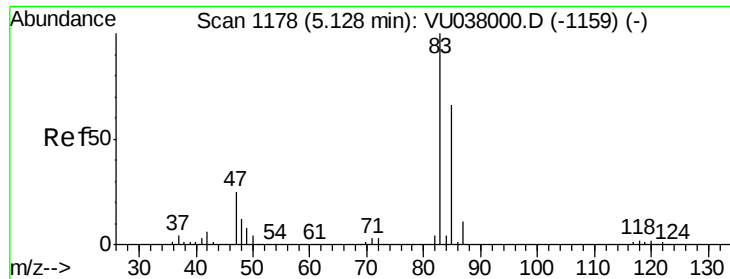


#26

Bromochloromethane
 Concen: 4.589 ug/l
 RT: 5.01 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VU037999.D
 Acq: 04 May 2020 12:12

Tgt Ion	Ratio	Lower	Upper
128	100		
49	194.4	0.0	376.0
130	128.9	102.6	153.8





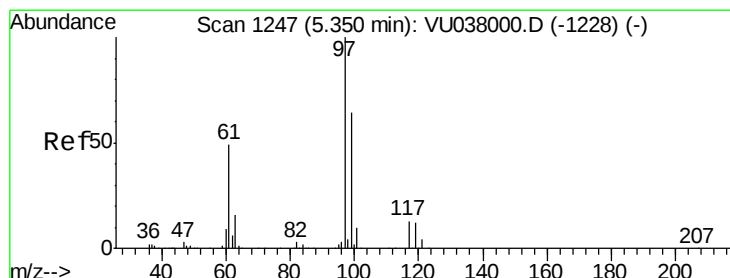
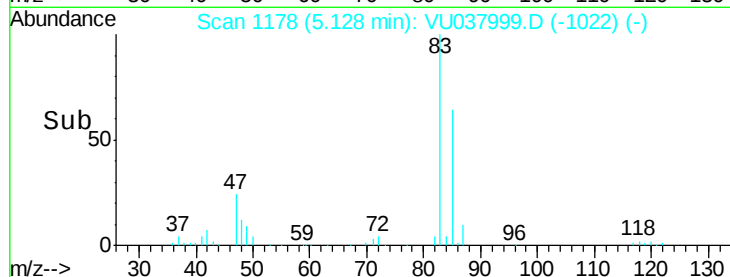
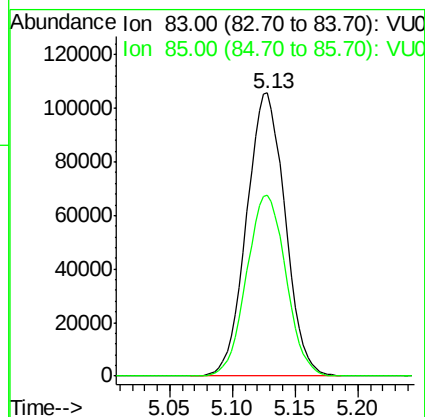
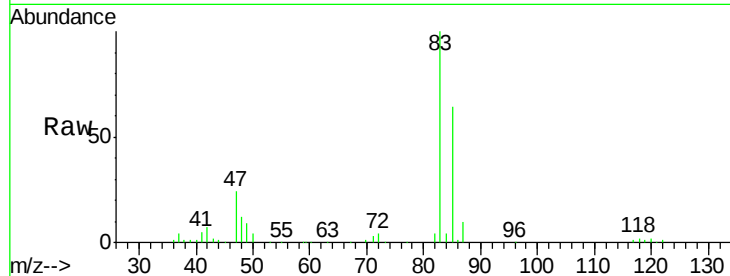
#27
Chloroform
Concen: 4.272 ug/l
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Instrument :
MSVOA_U
ClientSampled :
VSTDIC005

Tot Ion	83	Resp	226385
Ion Ratio	100	Lower	Upper
85	64.2	0.0	132.0

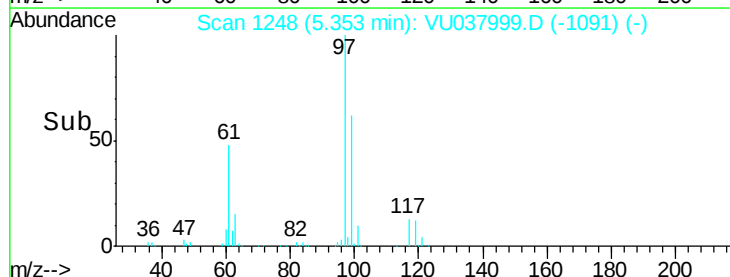
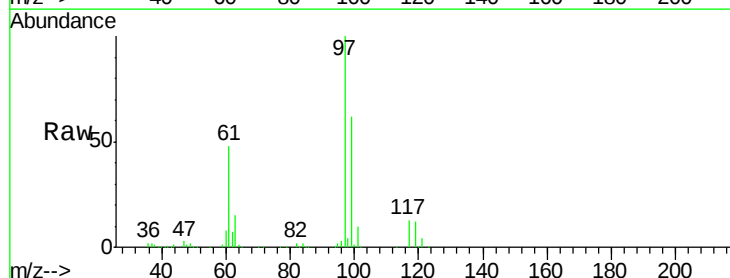
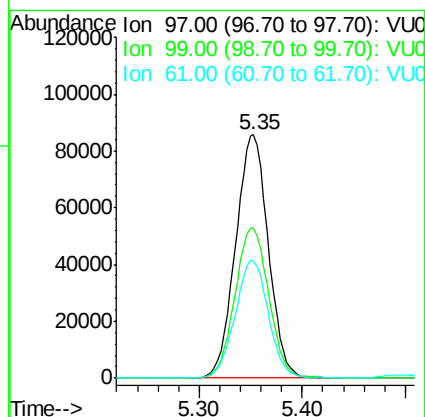
Manual Integrations
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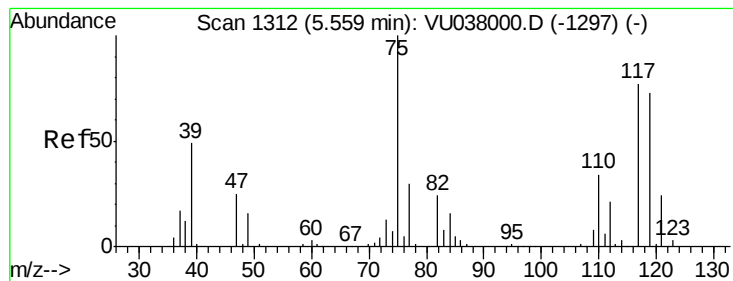
apatel
5/5/2020 11:15:44 AM



#28
1,1,1-Trichloroethane
Concen: 4.206 ug/l
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Tgt Ion	97	Resp	188762
Ion Ratio	100	Lower	Upper
99	63.8	31.9	95.9
61	49.2	24.1	72.4





#29

1,1-Dichloropropene

Concen: 4.968 ug/l

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 186291

Ion Ratio Lower Upper

75 100

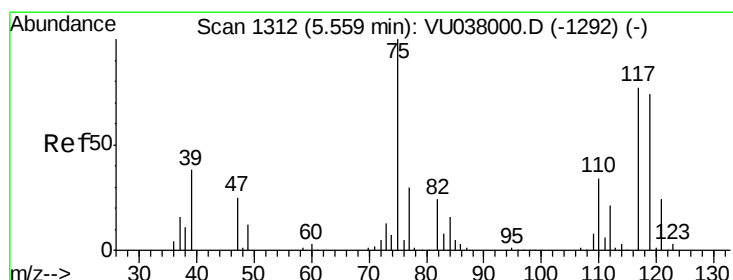
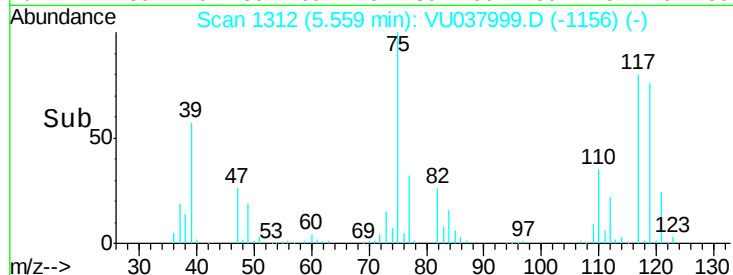
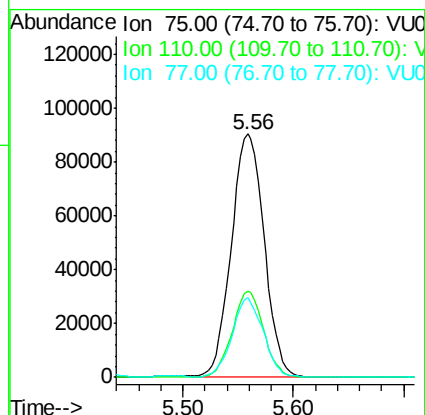
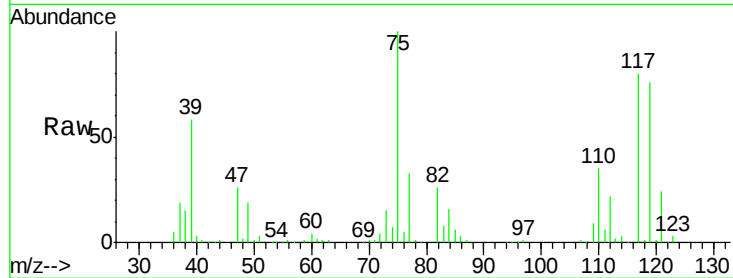
110 33.9 16.7 50.1

77 30.5 24.5 36.7

Manual Integrations
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#30

Carbon Tetrachloride

Concen: 4.071 ug/l

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

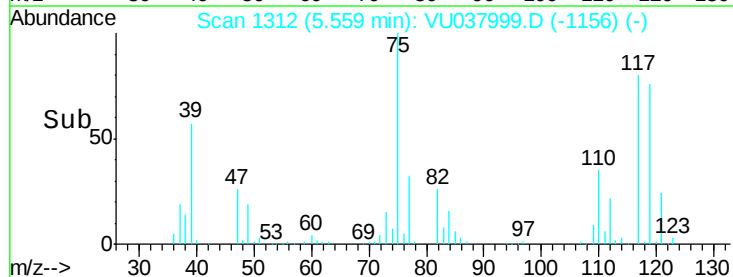
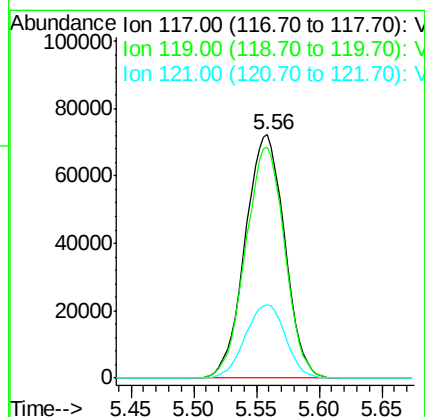
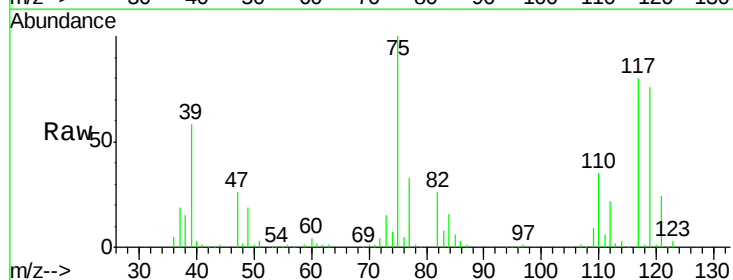
Tgt Ion: 117 Resp: 158248

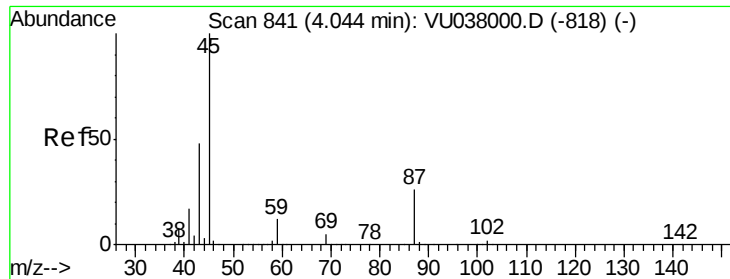
Ion Ratio Lower Upper

117 100

119 94.8 76.3 114.5

121 30.0 24.7 37.1





#31

Isopropyl Ether

Concen: 5.022 ug/l

RT: 4.04 min Scan# 841

Delta R.T. 0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 45 Resp: 401971

Ion Ratio Lower Upper

45 100

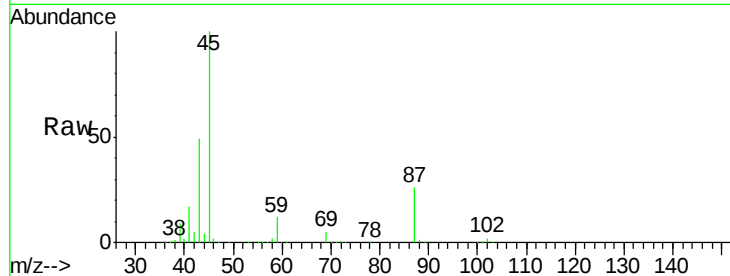
43 48.4 24.2 72.6

Manual Integrations

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Abundance Ion 45.00 (44.70 to 45.70): VU037999.D (-843) (-)

Ion 43.00 (42.70 to 43.70): VU037999.D (-843) (-)

4.04

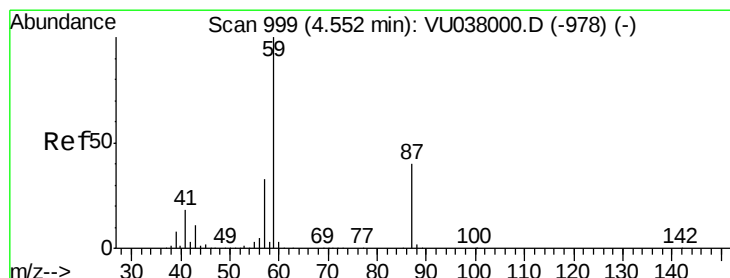
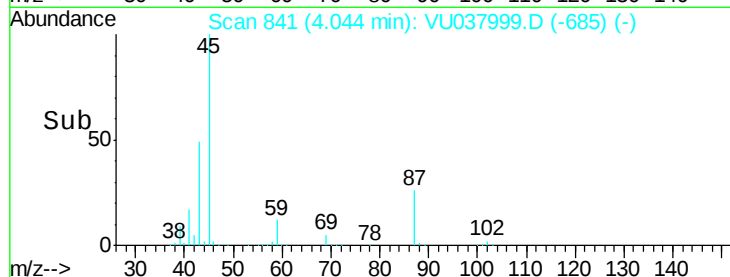
150000

100000

50000

0

Time-->



#32

Ethyl-t-butyl ether

Concen: 4.805 ug/l

RT: 4.55 min Scan# 999

Delta R.T. 0.00 min

Lab File: VU037999.D

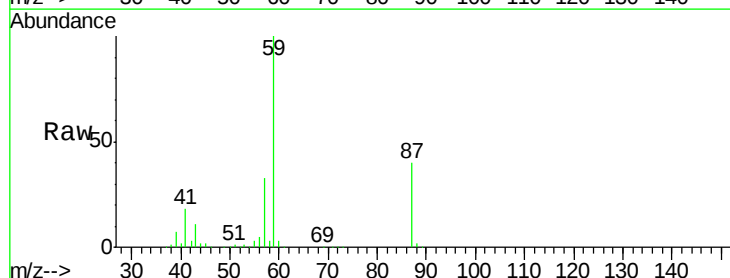
Acq: 04 May 2020 12:12

Tgt Ion: 59 Resp: 360367

Ion Ratio Lower Upper

59 100

87 40.7 32.4 48.6



Abundance Ion 59.00 (58.70 to 59.70): VU037999.D (-843) (-)

Ion 87.00 (86.70 to 87.70): VU037999.D (-843) (-)

4.55

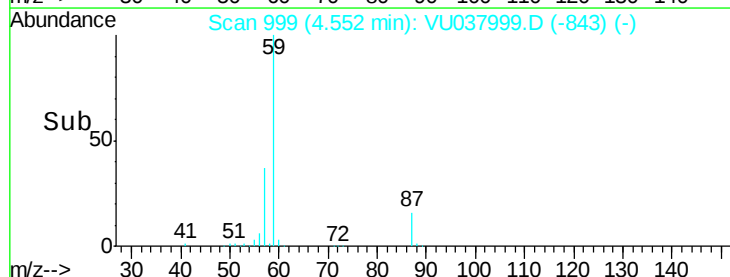
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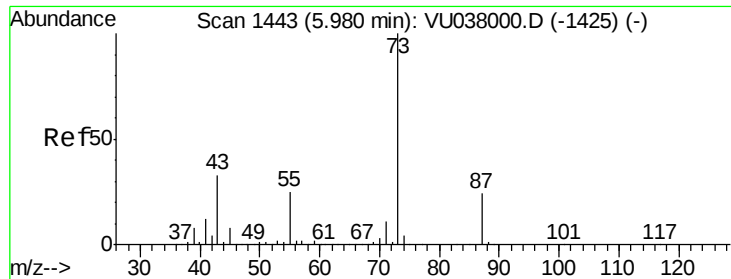
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50000

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Time-->





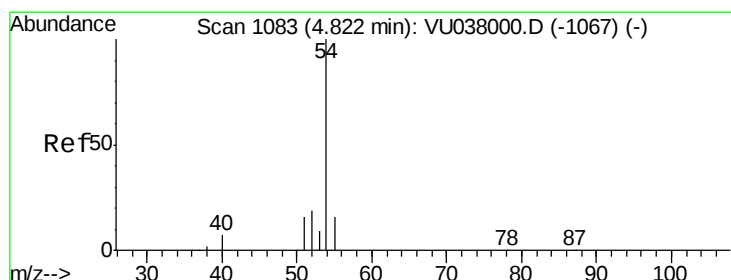
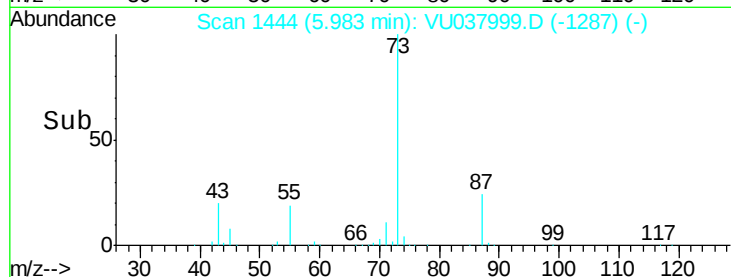
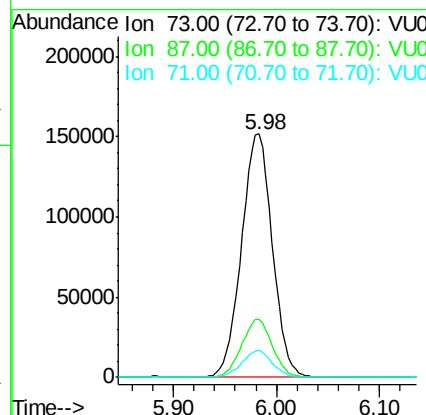
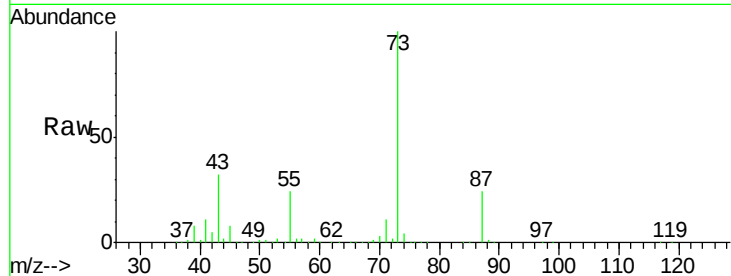
#33
Tert-Butyl methyl ether
Concen: 4.898 ug/l
RT: 5.98 min Scan# 1444
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
87	23.8	18.9	28.3
71	11.0	9.1	13.7

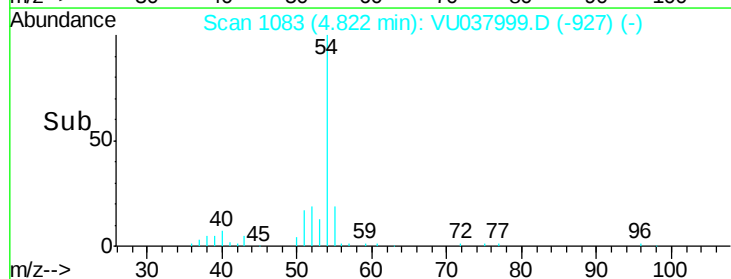
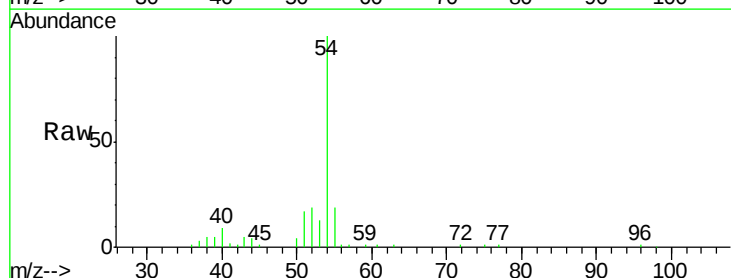
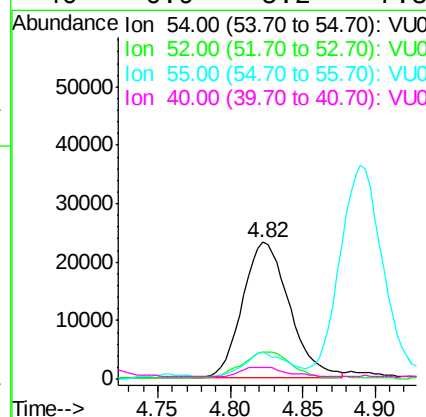
Manual Integrations
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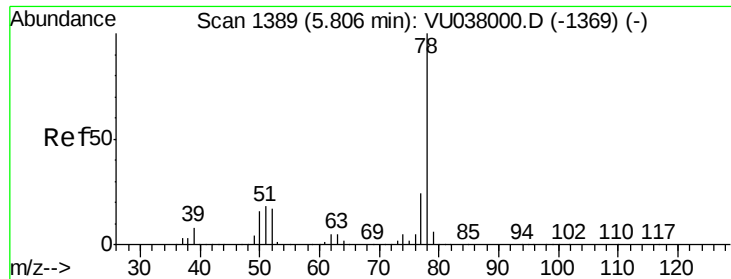
apatel
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#34
Propionitrile
Concen: 24.198 ug/l
RT: 4.82 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Tgt Ion	Ratio	Lower	Upper
54	100		
52	19.8	15.8	23.8
55	18.3	13.2	19.8
40	6.9	5.2	7.8





#35

Benzene

Concen: 4.984 ug/l

RT: 5.81 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 78 Resp: 529796

Ion Ratio Lower Upper

78 100

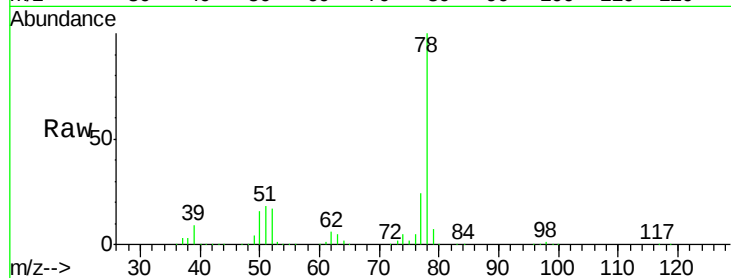
77 24.0 19.3 28.9

Manual Integrations

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Abundance Ion 78.10 (77.80 to 78.80): VU038000.D (-1369) (-)

Ion 77.00 (76.70 to 77.70): VU038000.D (-1369) (-)

5.81

250000

200000

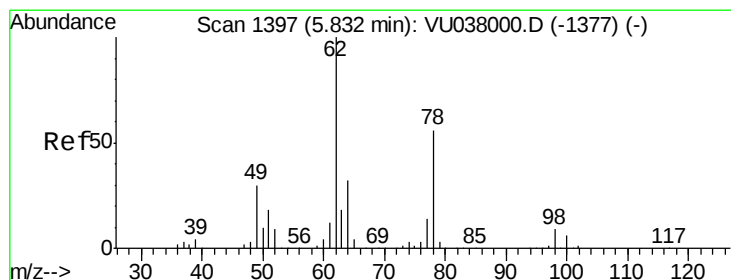
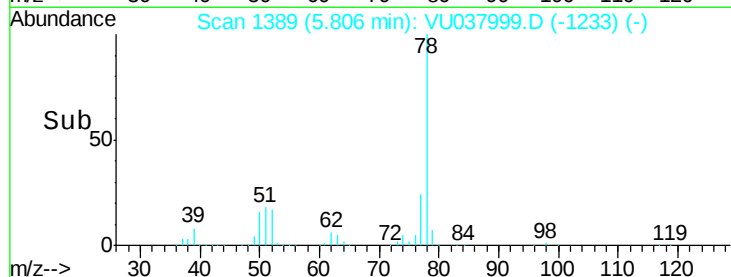
150000

100000

50000

0

Time-->



#36

1,2-Dichloroethane

Concen: 4.184 ug/l

RT: 5.83 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VU037999.D

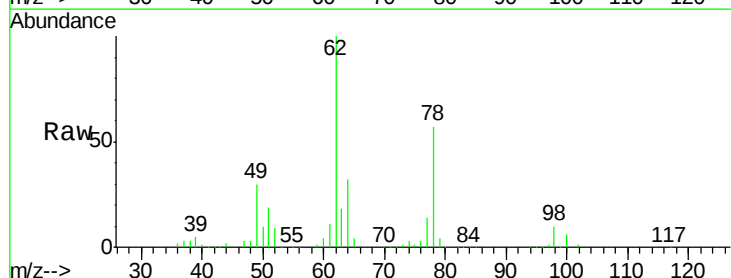
Acq: 04 May 2020 12:12

Tgt Ion: 62 Resp: 157125

Ion Ratio Lower Upper

62 100

98 9.1 7.3 10.9



Abundance Ion 62.00 (61.70 to 62.70): VU038000.D (-1377) (-)

Ion 98.00 (97.70 to 98.70): VU038000.D (-1377) (-)

5.83

80000

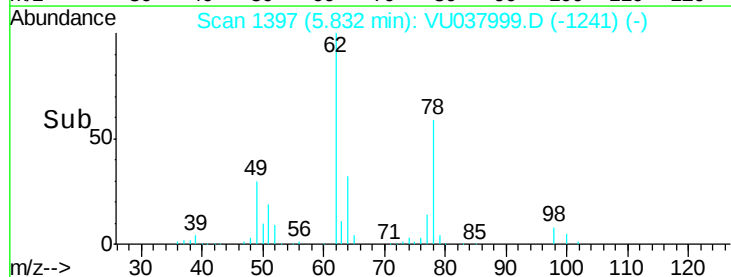
60000

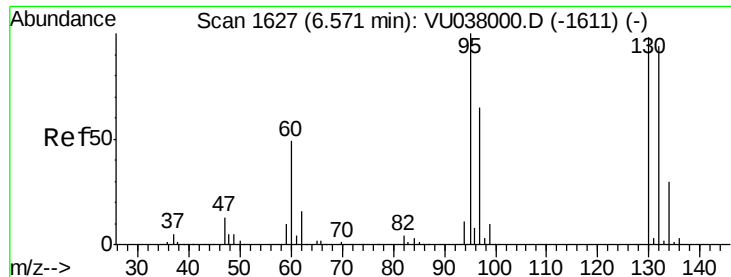
40000

20000

0

Time-->





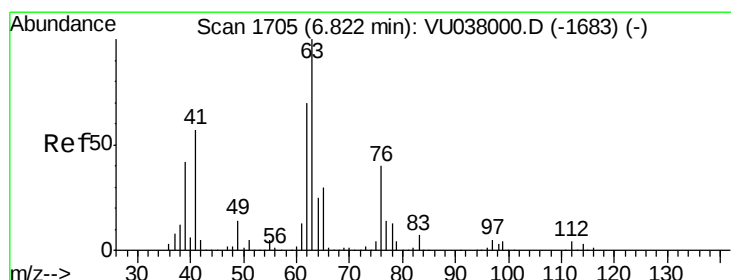
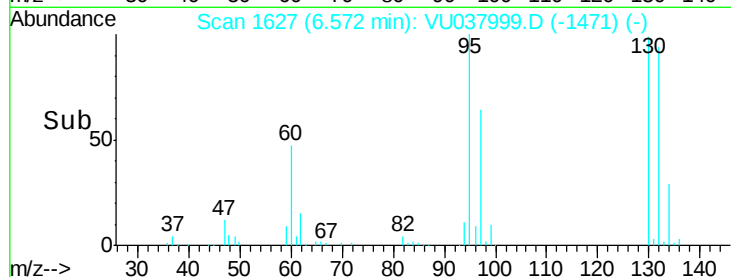
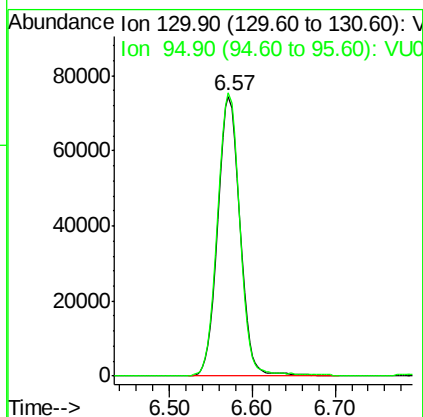
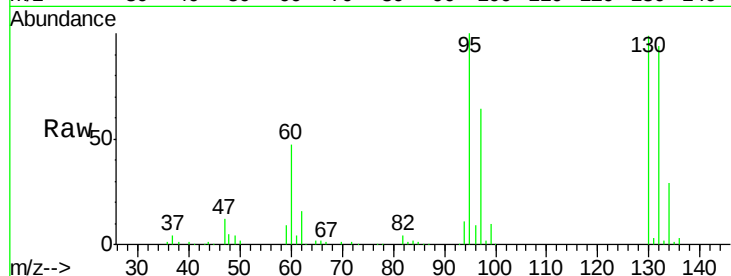
#37
 Trichloroethene
 Concen: 4.965 ug/l
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU037999.D
 Acq: 04 May 2020 12:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion:130 Resp: 138715
 Ion Ratio Lower Upper
 130 100
 95 101.0 81.6 122.4

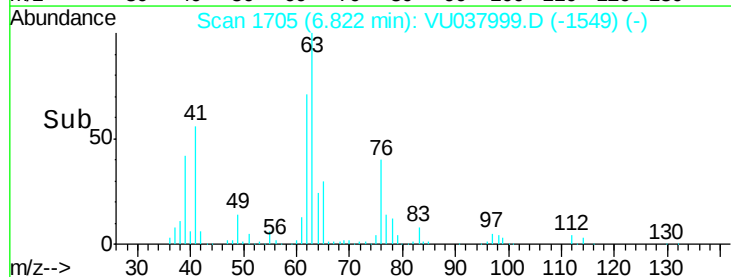
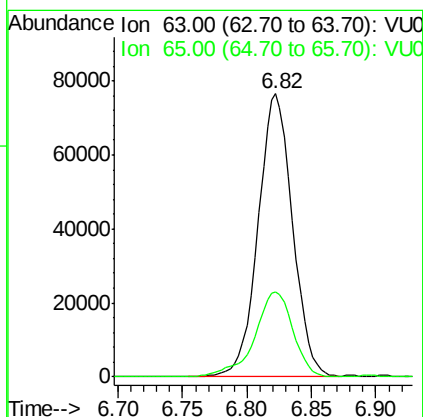
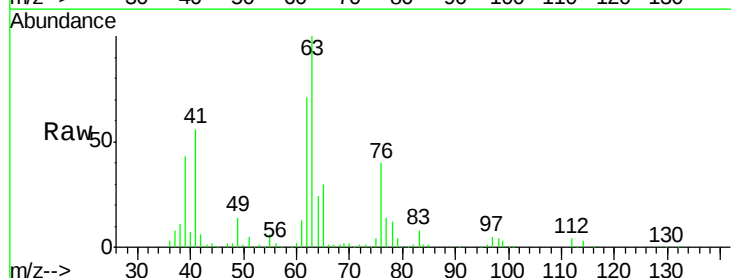
Manual Integrations
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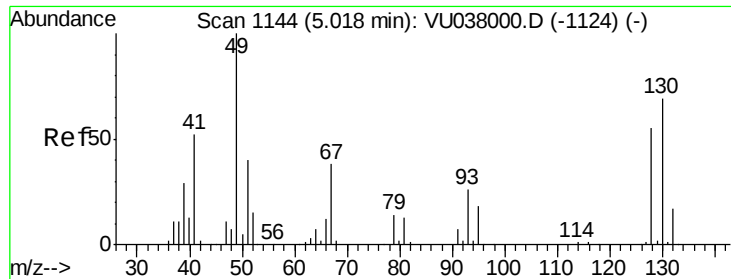
apatel
 5/5/2020 11:15:44 AM



#38
 1,2-Dichloropropane
 Concen: 4.913 ug/l
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU037999.D
 Acq: 04 May 2020 12:12

Tgt Ion: 63 Resp: 142677
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.1 36.1





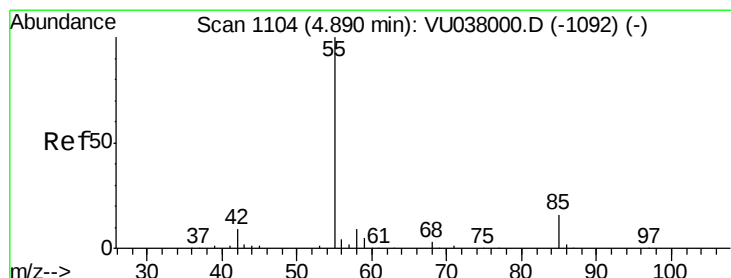
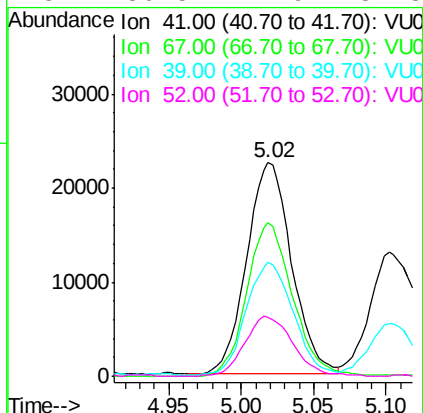
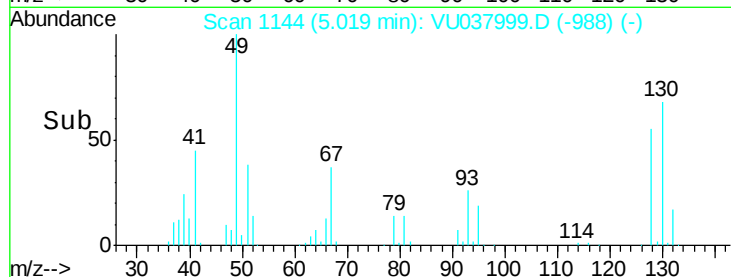
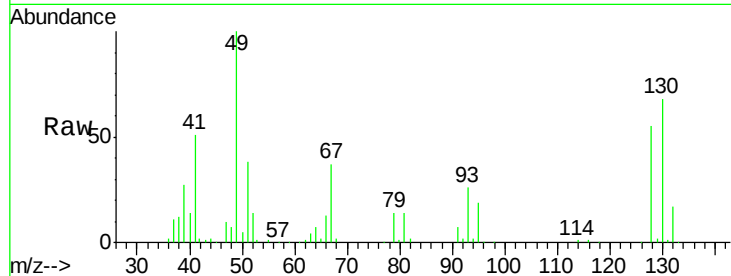
#39
Methacrylonitrile
Concen: 4.724 ug/l
RT: 5.02 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	48550
Ion	Ratio	Lower	Upper
41	100		
67	74.0	58.0	87.0
39	57.0	43.2	64.8
52	30.5	22.9	34.3

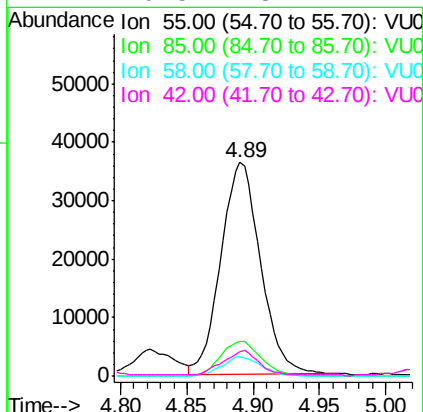
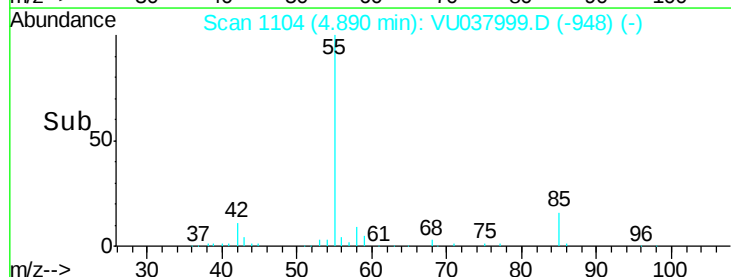
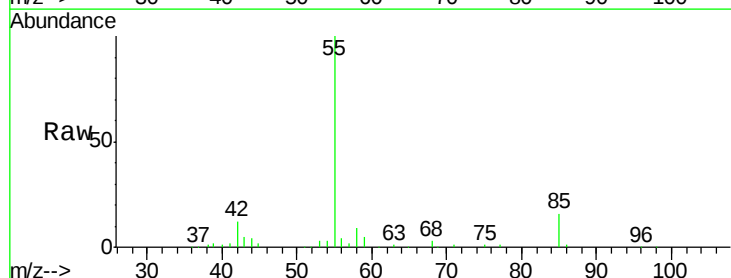
Manual Integrations
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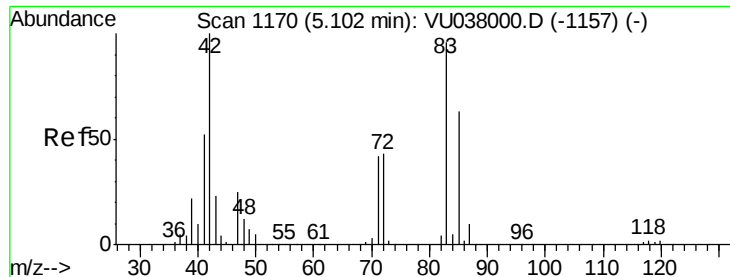
apatel
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#40
Methyl acrylate
Concen: 5.199 ug/l
RT: 4.89 min Scan# 1104
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Tgt Ion:	55	Resp:	75529
Ion	Ratio	Lower	Upper
55	100		
85	16.6	12.9	19.3
58	8.9	7.2	10.8
42	10.5	8.1	12.1





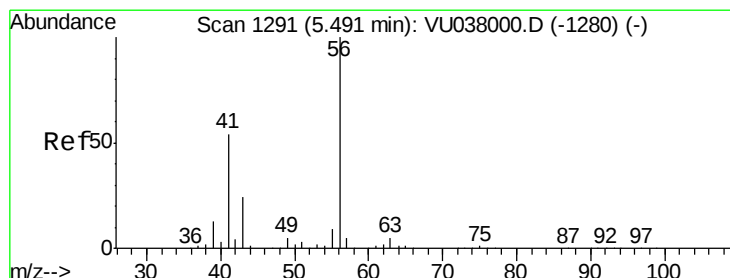
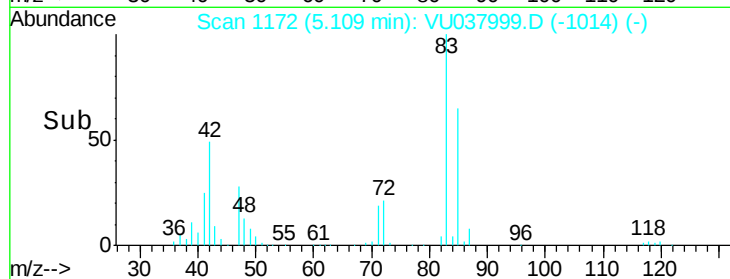
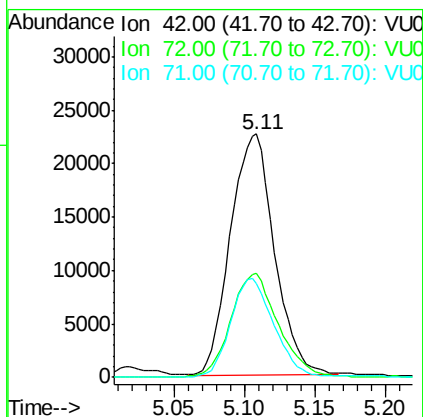
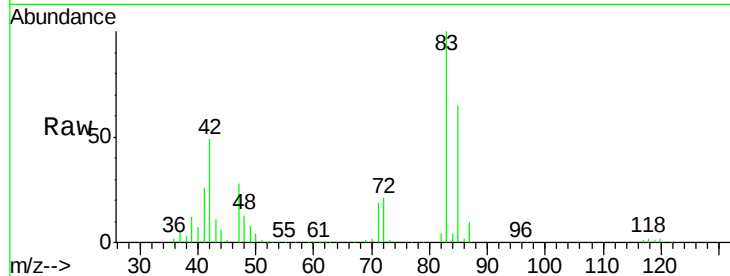
#41
Tetrahydrofuran
Concen: 9.620 ug/l
RT: 5.11 min Scan# 1172
Delta R.T. 0.01 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.4	37.4	56.2
71	40.1	32.8	49.2

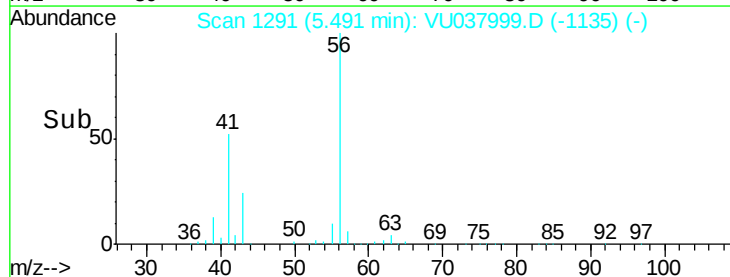
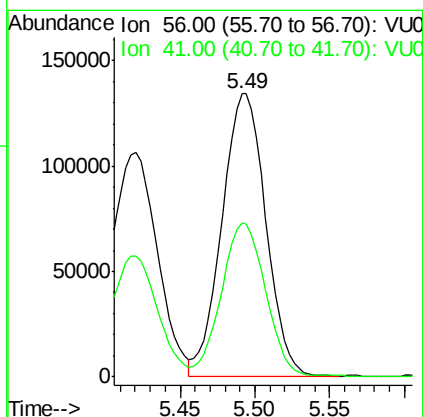
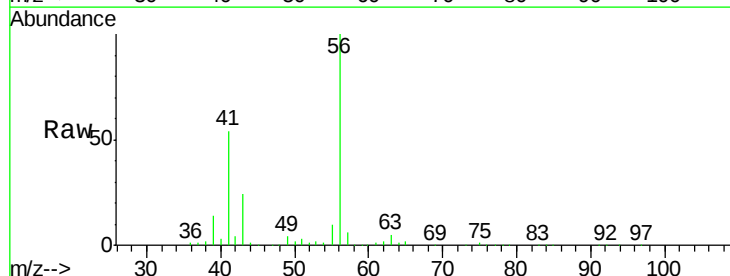
Manual Integrations
APPROVED

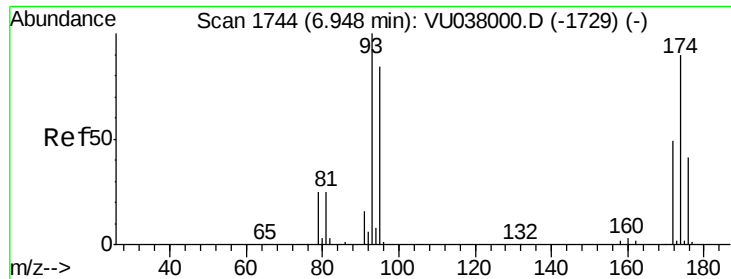
apatel
5/5/2020 11:15:44 AM



#42
1-Chlorobutane
Concen: 5.065 ug/l
RT: 5.49 min Scan# 1291
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Tgt Ion	Ratio	Lower	Upper
56	100		
41	54.2	26.8	80.4





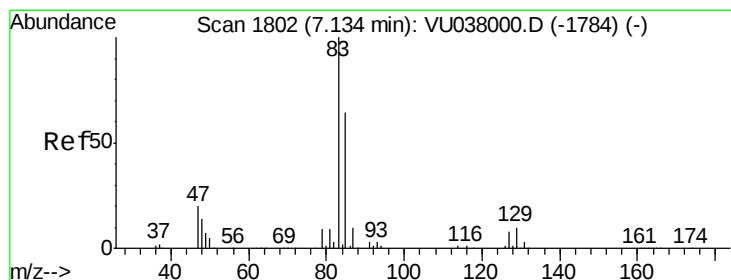
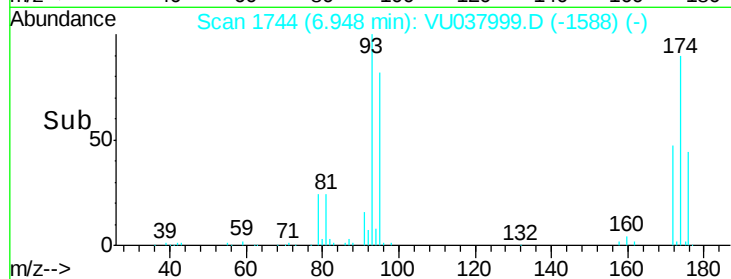
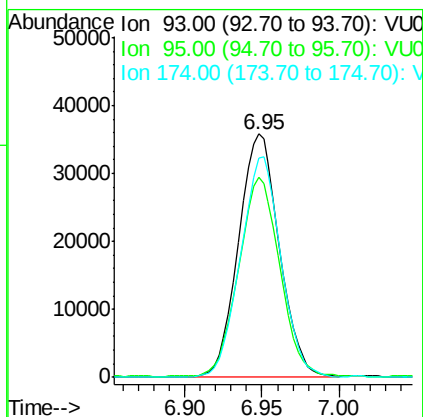
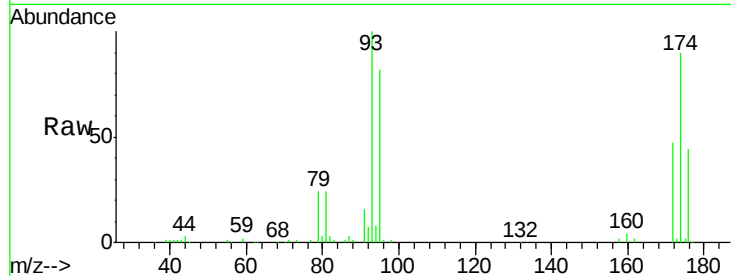
#43
Dibromomethane
Concen: 4.486 ug/l
RT: 6.95 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion: 93 Resp: 65814
Ion Ratio Lower Upper
93 100
95 83.5 66.1 99.1
174 89.7 72.8 109.2

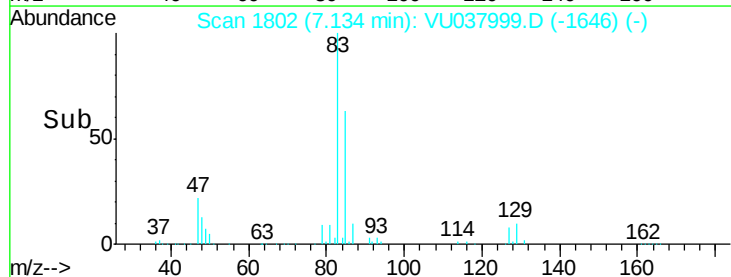
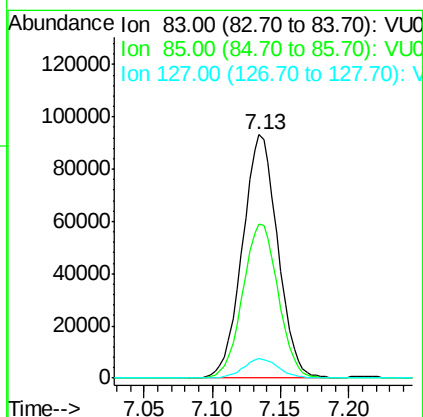
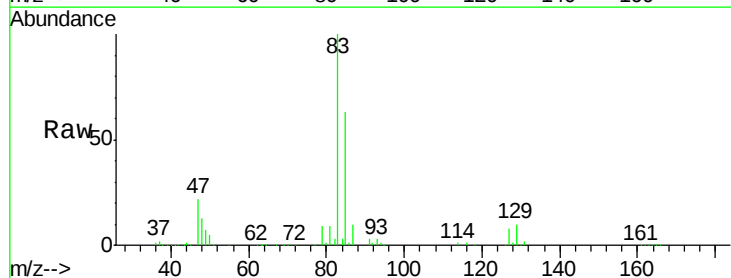
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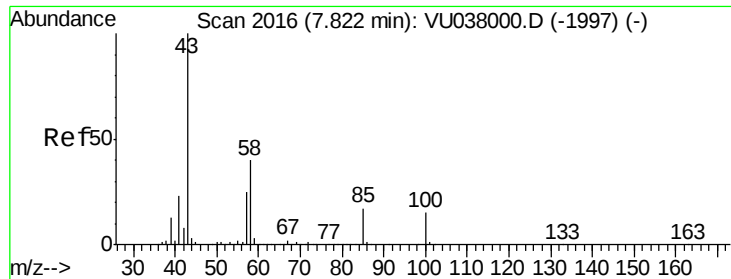
apatel
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#44
Bromodichloromethane
Concen: 4.367 ug/l
RT: 7.13 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Tgt Ion: 83 Resp: 166067
Ion Ratio Lower Upper
83 100
85 63.2 51.4 77.0
127 8.0 6.2 9.2





#45

4-Methyl-2-Pentanone

Concen: 22.814 ug/l

RT: 7.82 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

Instrument :

MSVOA_U

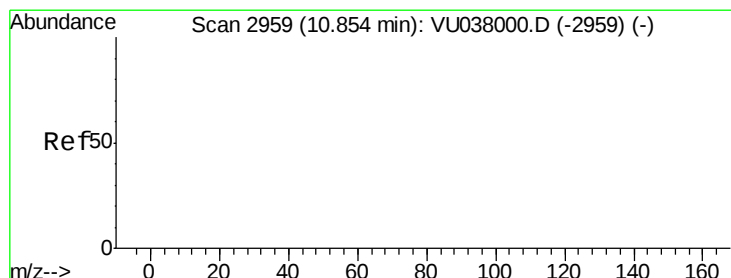
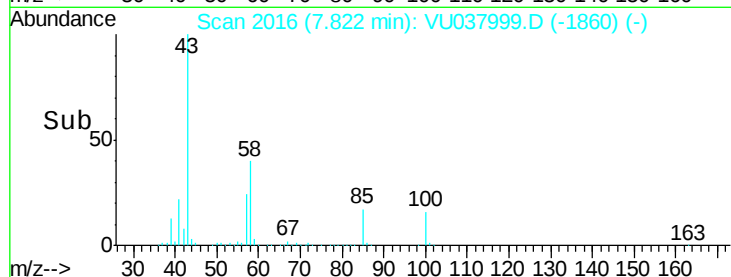
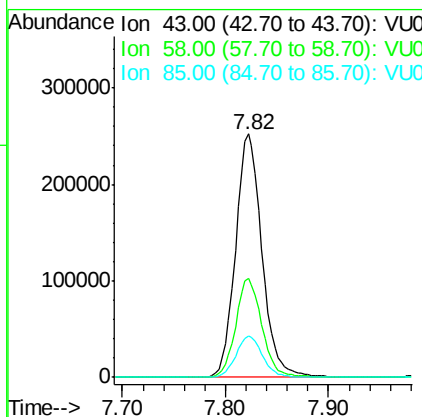
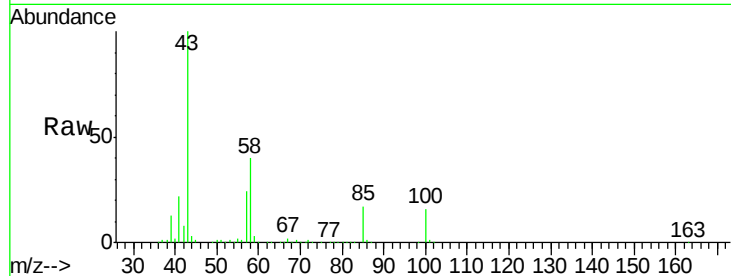
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	450132
Ion	Ratio	Lower	Upper
43	100		
58	40.3	20.1	60.3
85	17.1	13.7	20.5

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#46

t-1,4-Dichloro-2-butene

Concen: 11.086 ug/l m

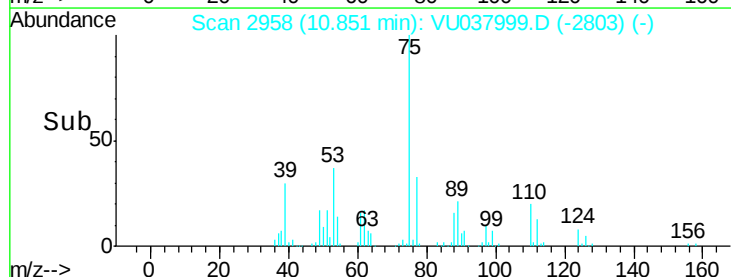
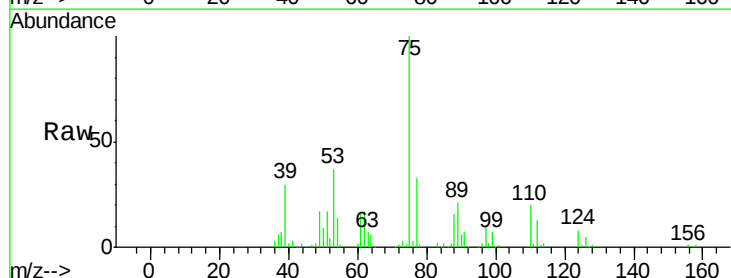
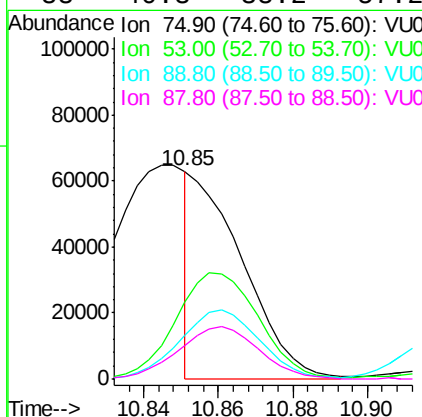
RT: 10.85 min Scan# 2958

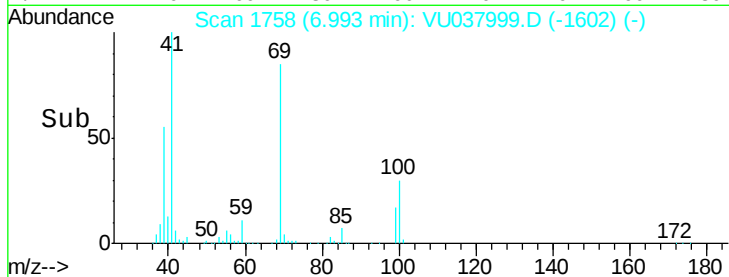
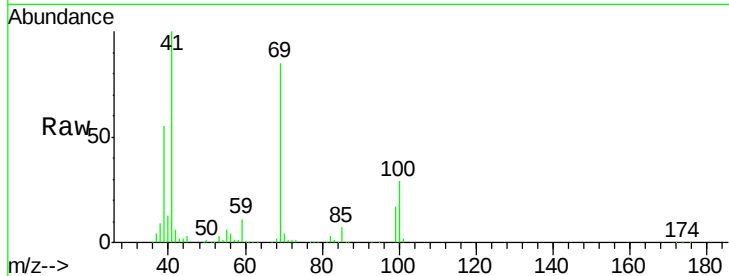
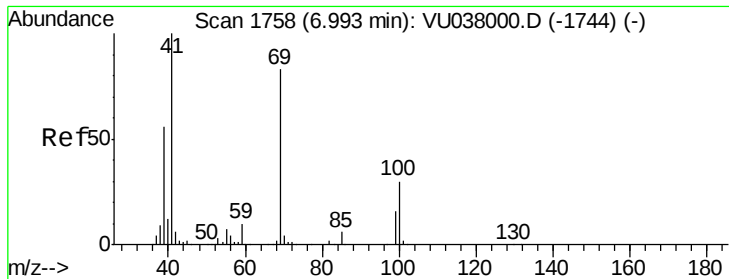
Delta R.T. -0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

Tgt Ion:	75	Resp:	59707
Ion	Ratio	Lower	Upper
75	100		
53	83.9	81.1	121.7
89	53.1	53.2	79.8#
88	40.3	38.2	57.2





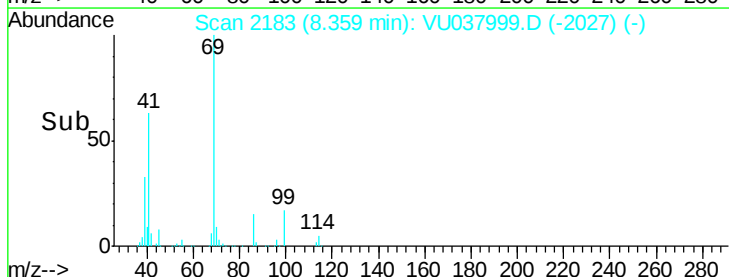
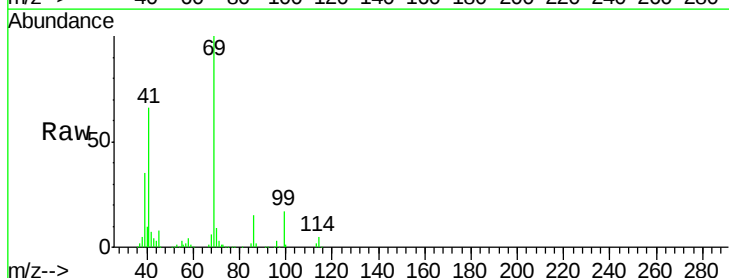
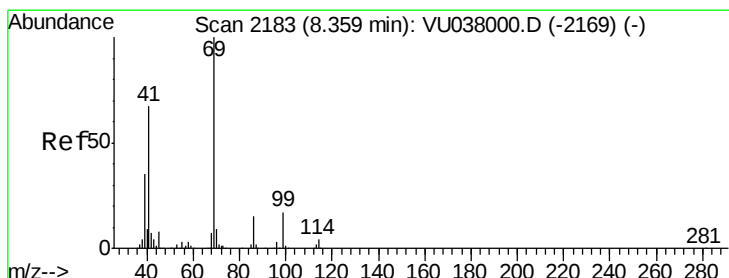
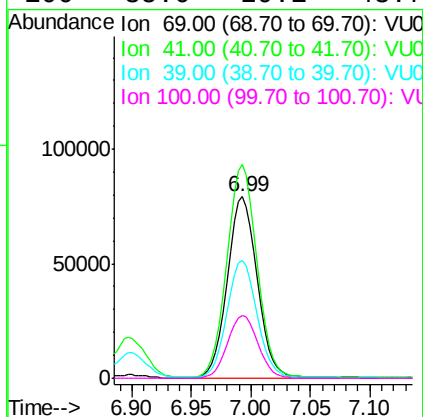
#47
Methyl methacrylate
Concen: 11.217 ug/l
RT: 6.99 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100		139091		
41	117.0	0.0	241.6		
39	63.9	52.9	79.3		
100	35.0	29.1	43.7		

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

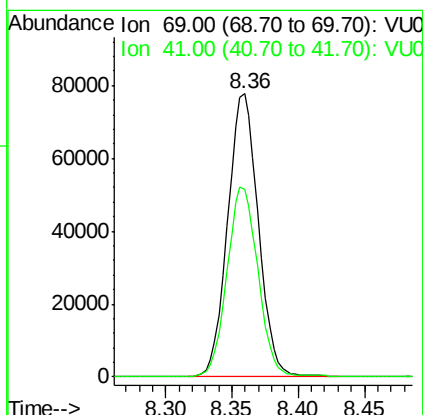
Manual Integrations
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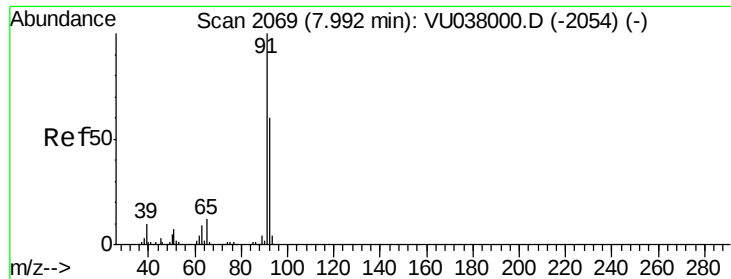
apatel
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#48
Ethyl methacrylate
Concen: 5.120 ug/l
RT: 8.36 min Scan# 2183
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		125157		
41	68.0	33.6	100.8		





#49

Toluene

Concen: 5.272 ug/l

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 92 Resp: 337941

Ion Ratio Lower Upper

92 100

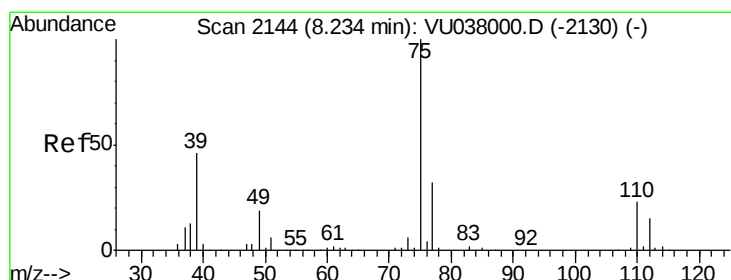
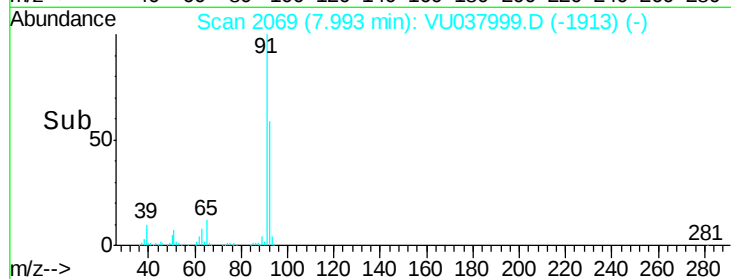
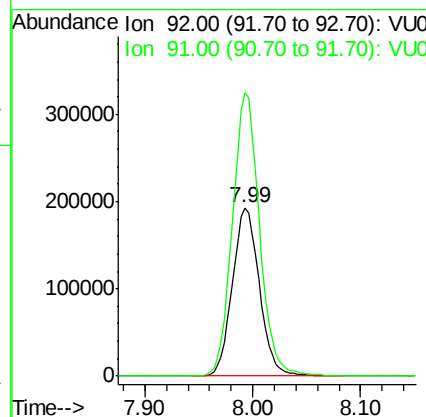
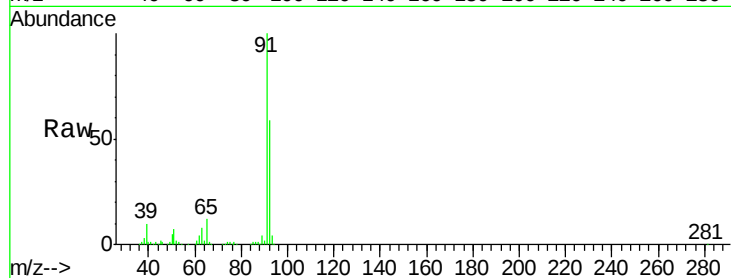
91 168.8 134.4 201.6

Manual Integrations

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#50

t-1,3-Dichloropropene

Concen: 4.866 ug/l

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU037999.D

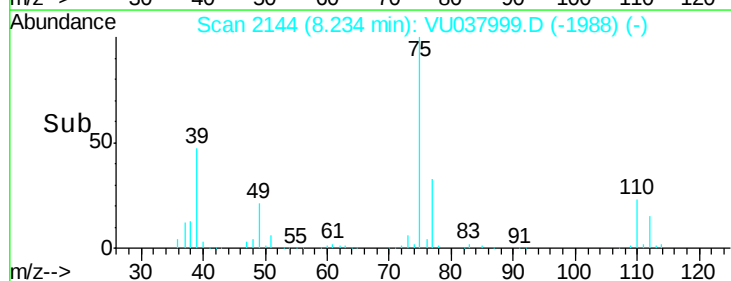
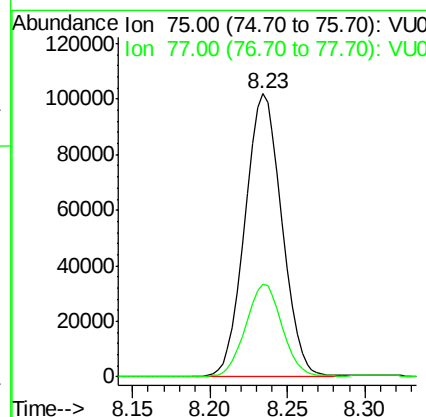
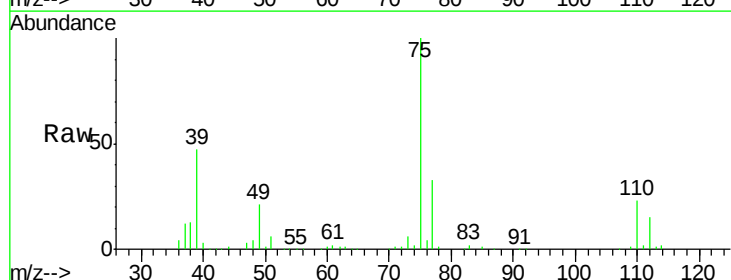
Acq: 04 May 2020 12:12

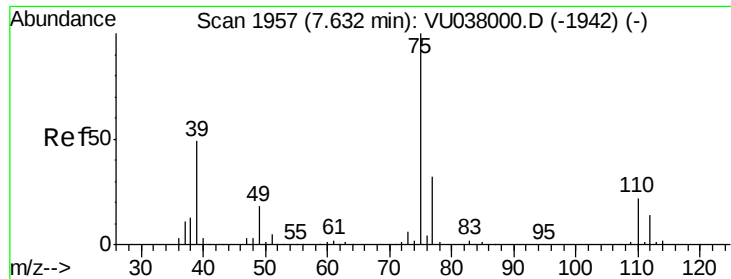
Tgt Ion: 75 Resp: 169820

Ion Ratio Lower Upper

75 100

77 32.7 25.8 38.8





#51

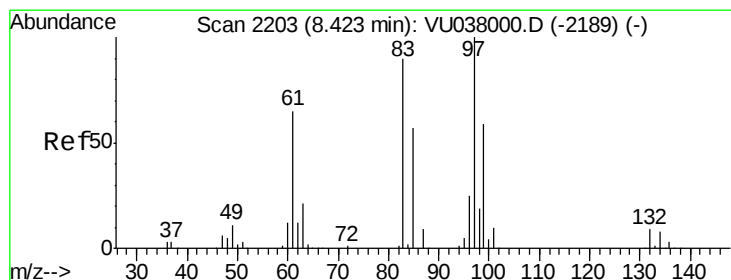
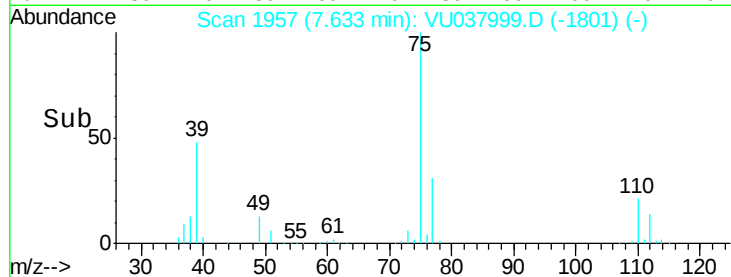
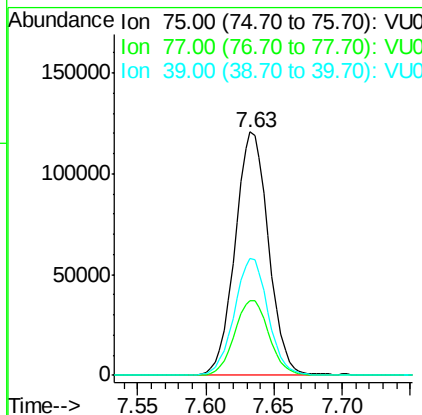
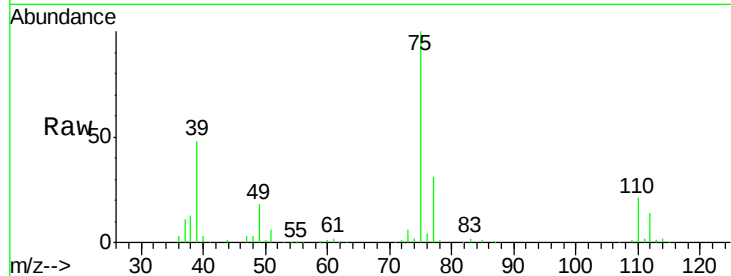
cis-1,3-Dichloropropene
Concen: 5.106 ug/l
RT: 7.63 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.5	38.3
39	48.1	39.0	58.4

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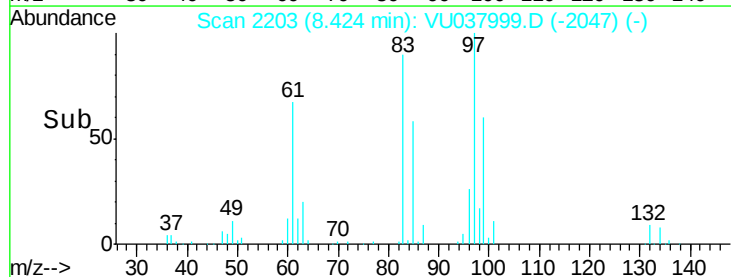
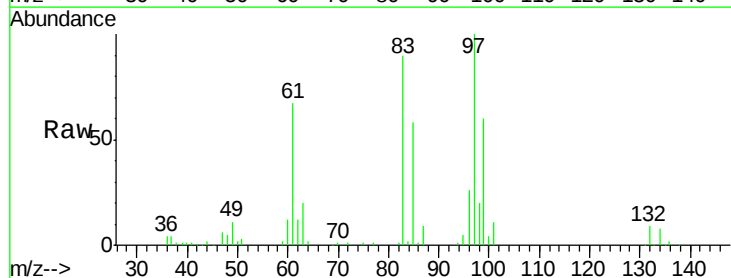
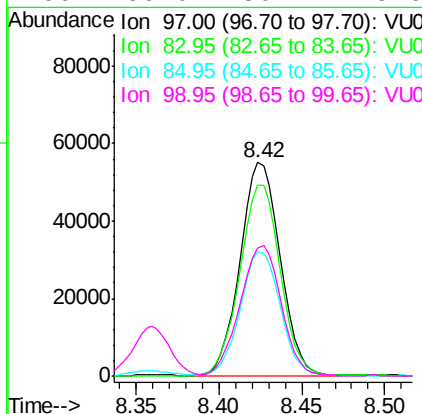
apatel
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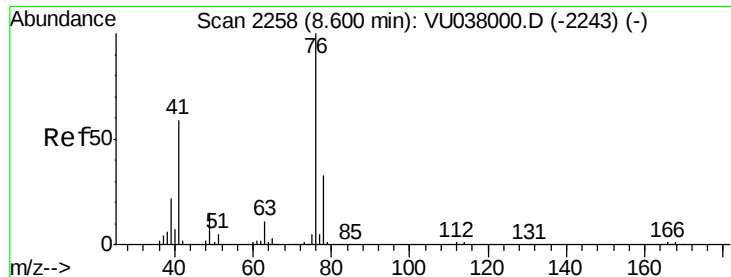


#52

1,1,2-Trichloroethane
Concen: 4.727 ug/l
RT: 8.42 min Scan# 2203
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.5	72.4	108.6
85	57.7	46.0	69.0
99	60.0	50.4	75.6





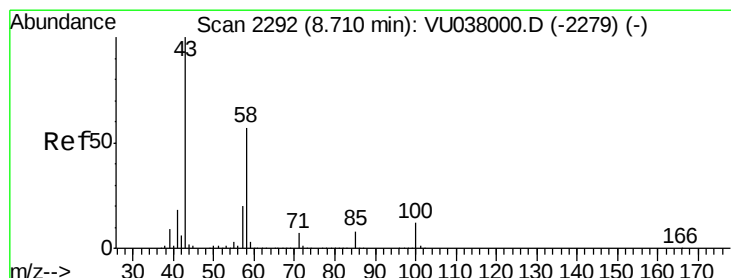
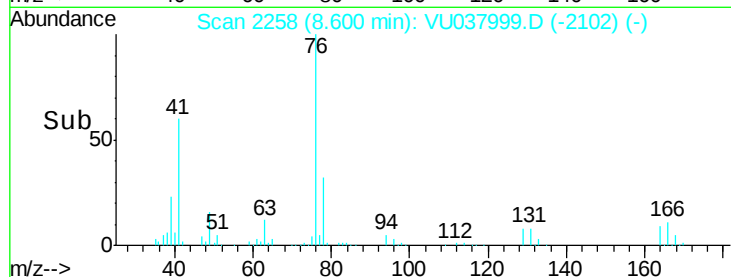
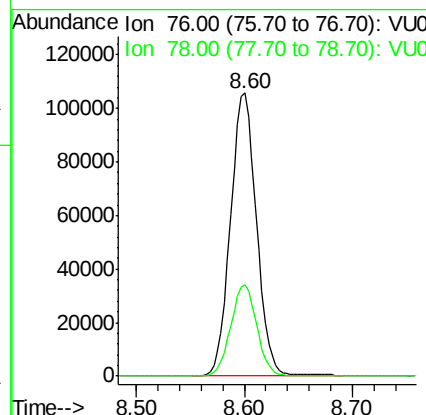
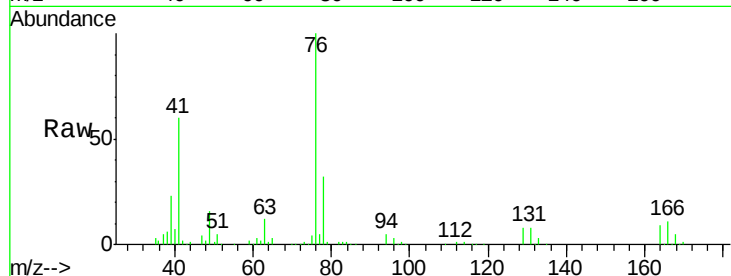
#53
 1,3-Dichloropropane
 Concen: 5.016 ug/l
 RT: 8.60 min Scan# 2258
 Delta R.T. 0.00 min
 Lab File: VU037999.D
 Acq: 04 May 2020 12:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.8	38.6

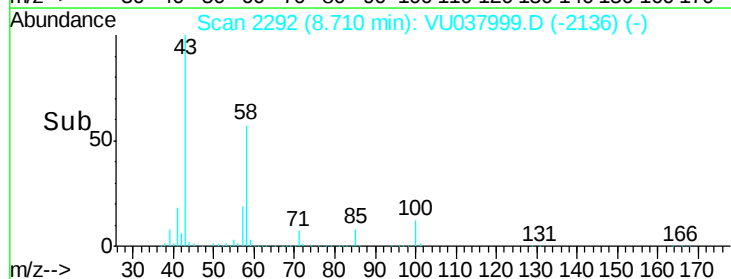
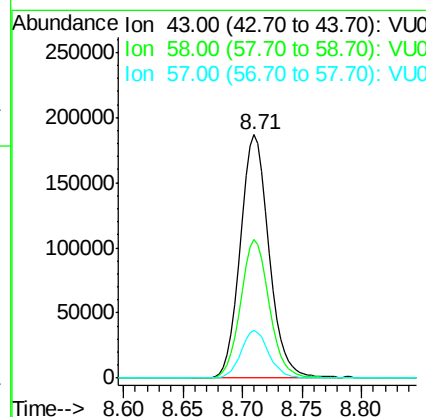
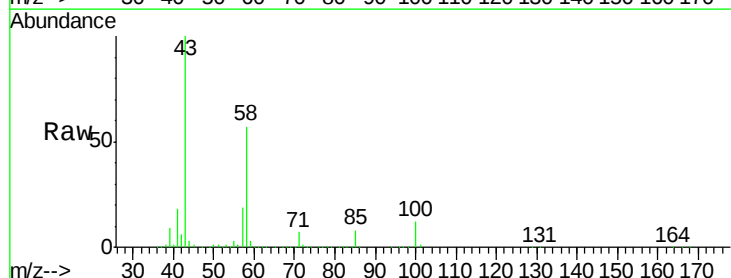
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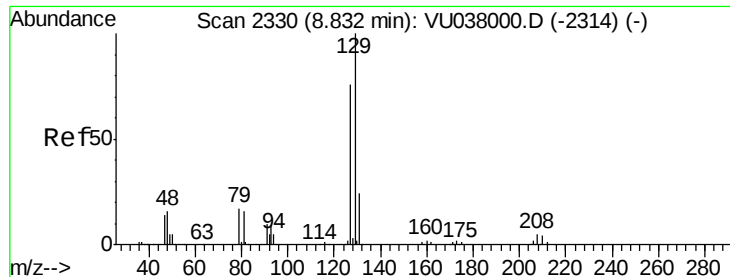
apatel
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#54
 2-Hexanone
 Concen: 23.055 ug/l
 RT: 8.71 min Scan# 2292
 Delta R.T. 0.00 min
 Lab File: VU037999.D
 Acq: 04 May 2020 12:12

Tgt Ion	Ratio	Lower	Upper
43	100		
58	57.0	36.5	76.5
57	19.1	0.0	39.5





#55

Dibromochloromethane

Concen: 4.355 ug/l

RT: 8.83 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:129 Resp: 104670

Ion Ratio Lower Upper

129 100

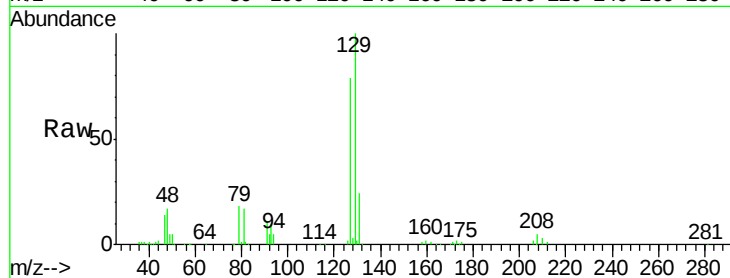
127 77.6 62.2 93.2

Manual Integrations

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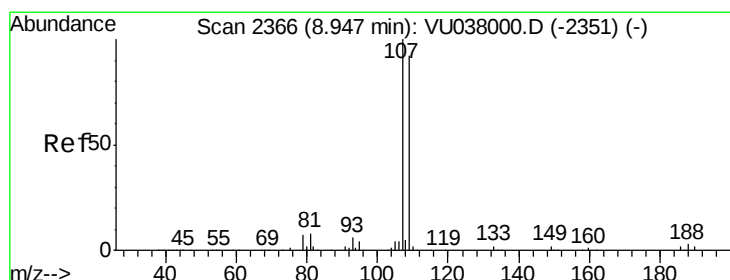
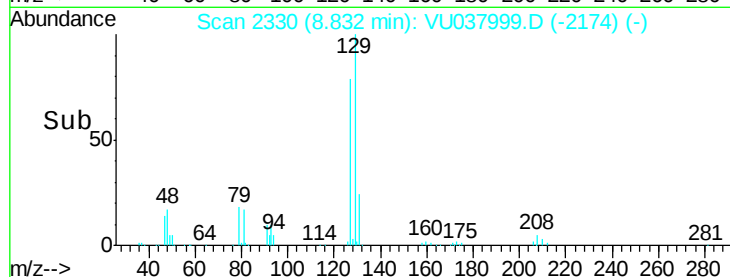
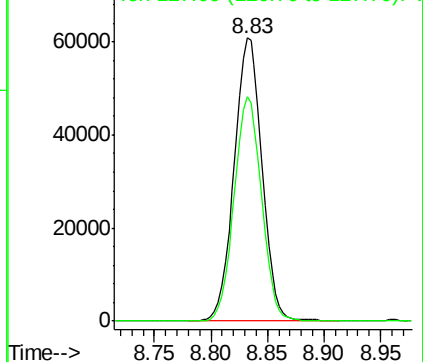
apatel

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 4.722 ug/l

RT: 8.95 min Scan# 2366

Delta R.T. 0.00 min

Lab File: VU037999.D

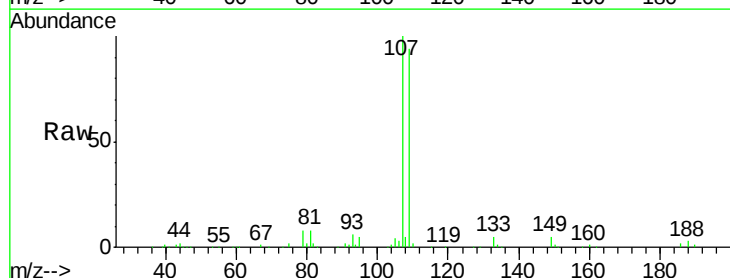
Acq: 04 May 2020 12:12

Tgt Ion:107 Resp: 87332

Ion Ratio Lower Upper

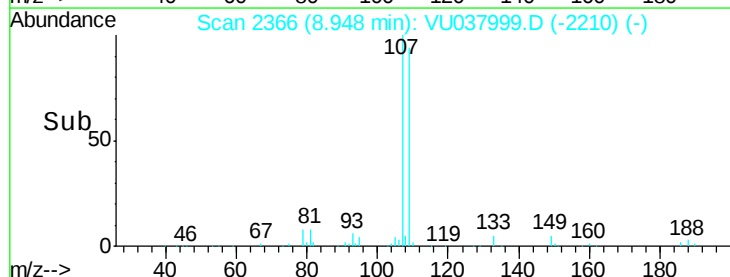
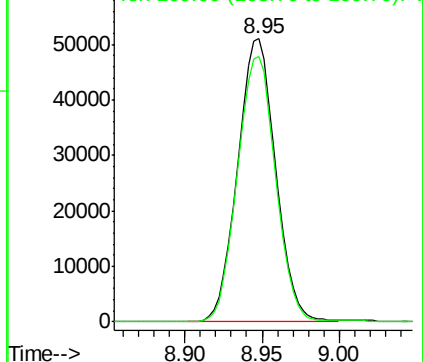
107 100

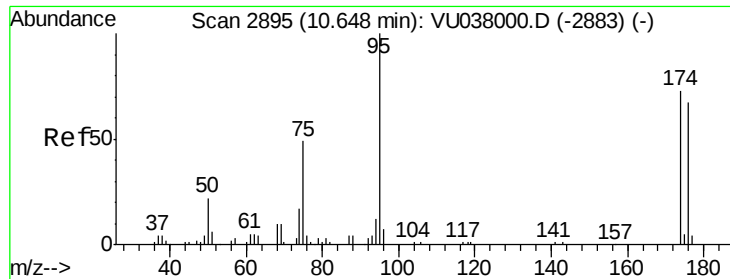
109 94.1 0.0 184.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





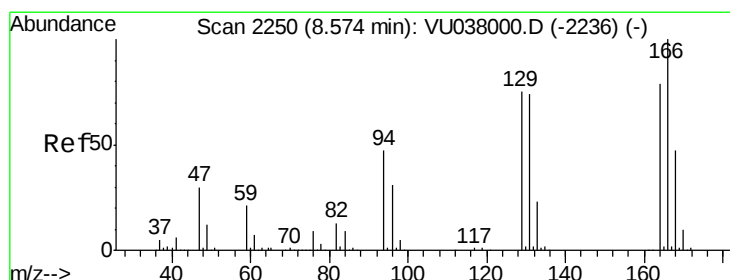
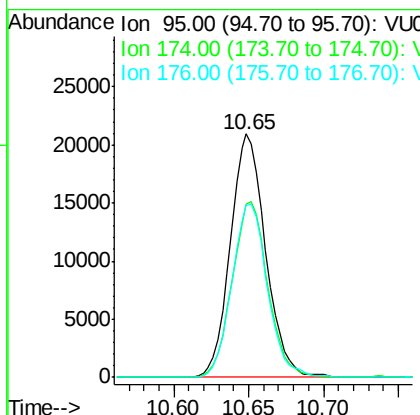
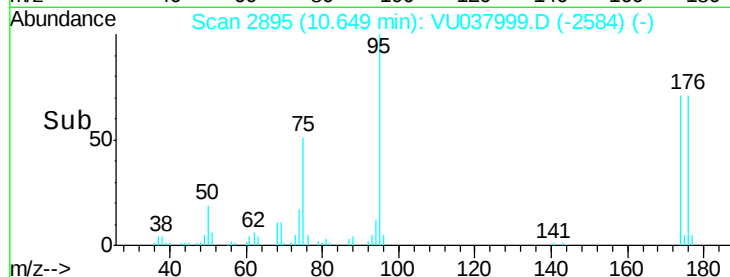
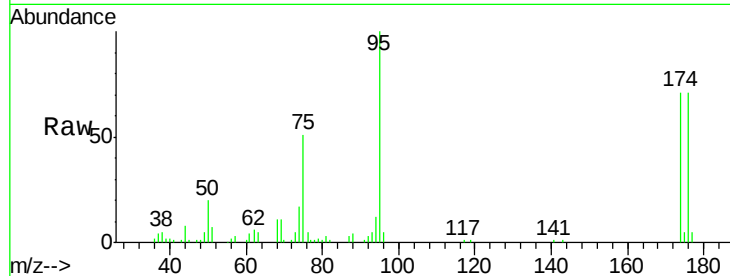
#57
4-Bromofluorobenzene
Concen: 0.999 ug/l
RT: 10.65 min Scan# 2895
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Instrument :
MSVOA_U
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
95	100	34245		
174	73.1	61.2	91.8	
176	72.0	57.1	85.7	

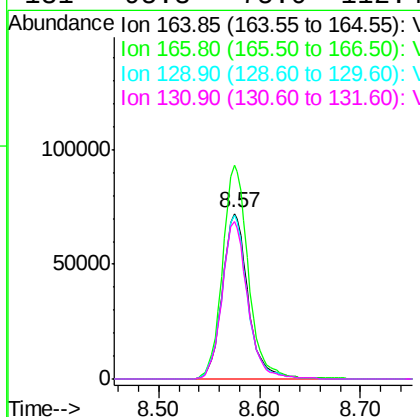
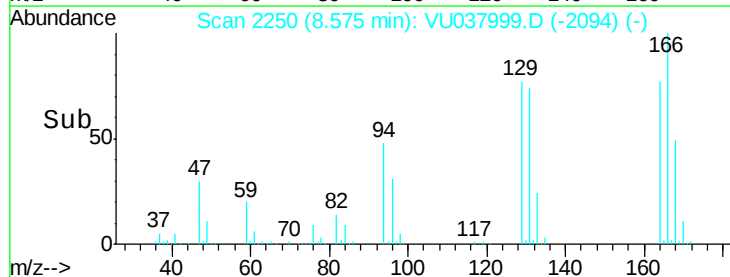
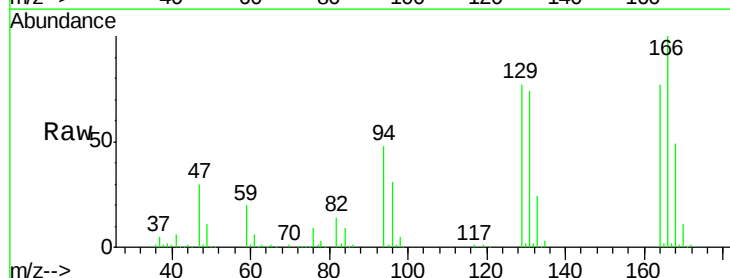
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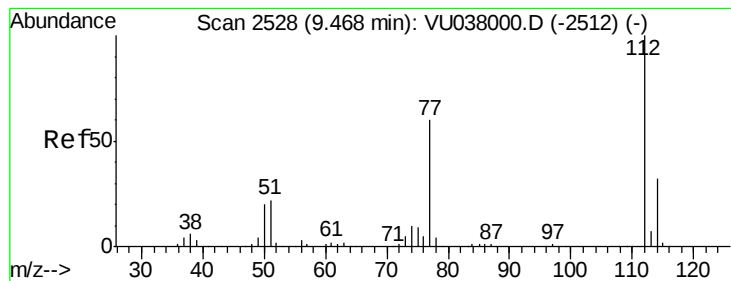
apatel
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#58
Tetrachloroethene
Concen: 4.906 ug/l
RT: 8.57 min Scan# 2250
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	128698		
166	129.3	101.5	152.3	
129	99.3	76.6	114.8	
131	95.3	75.0	112.4	





#59

Chlorobenzene

Concen: 5.008 ug/l

RT: 9.47 min Scan# 2527

Delta R.T. -0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 358042

Ion Ratio Lower Upper

112 100

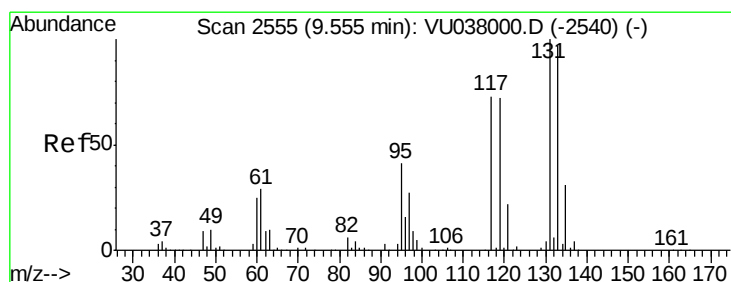
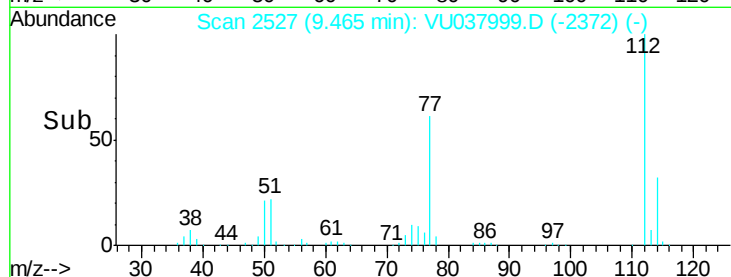
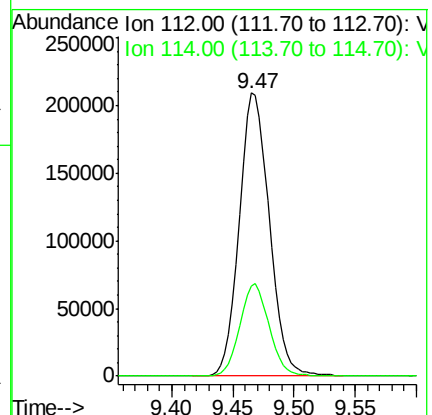
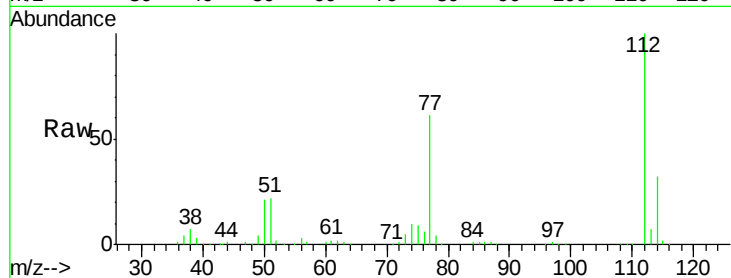
114 32.0 25.7 38.5

Manual Integrations

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#60

1,1,1,2-Tetrachloroethane

Concen: 4.252 ug/l

RT: 9.56 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

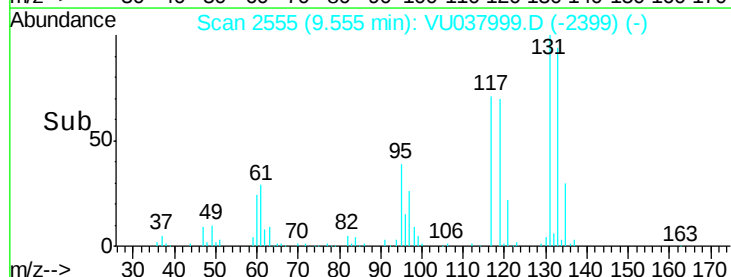
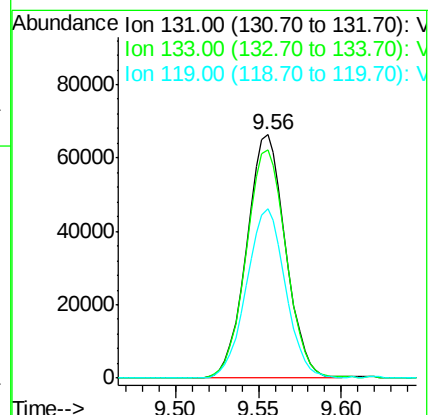
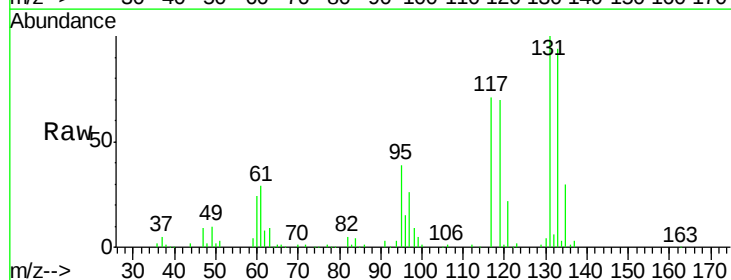
Tgt Ion:131 Resp: 107986

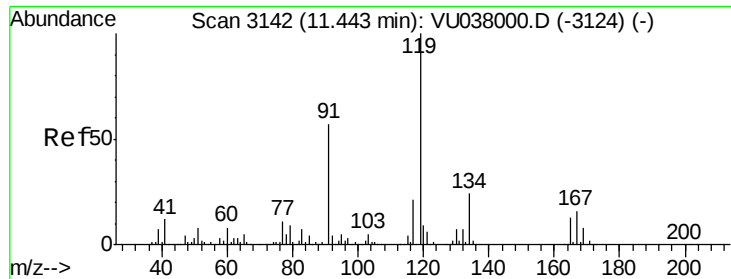
Ion Ratio Lower Upper

131 100

133 96.5 76.8 115.2

119 69.7 56.7 85.1





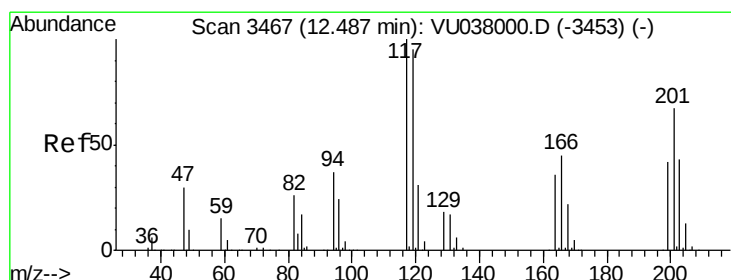
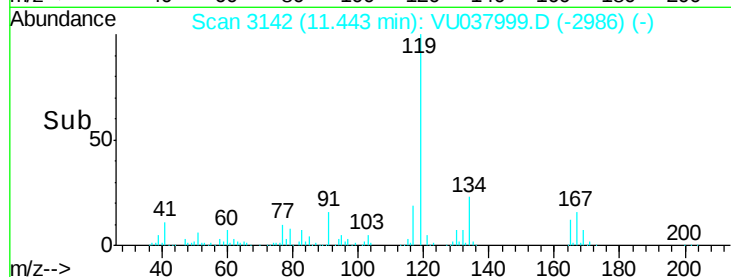
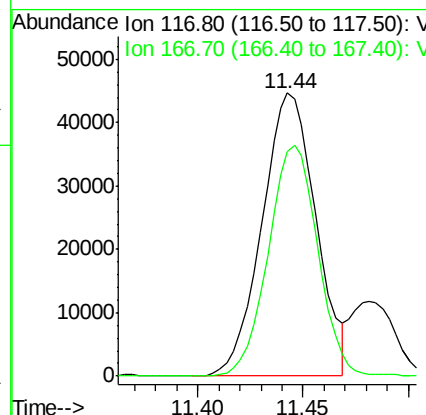
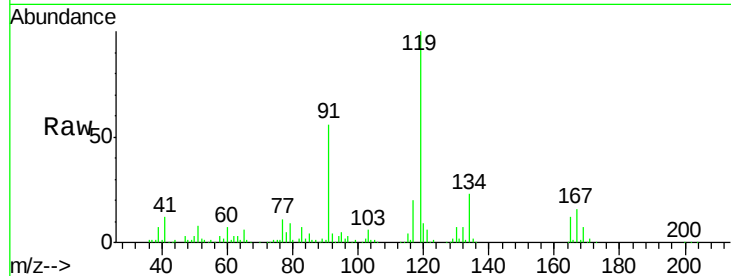
#61
 Pentachloroethane
 Concen: 4.085 ug/l
 RT: 11.44 min Scan# 3142
 Delta R.T. 0.00 min
 Lab File: VU037999.D
 Acq: 04 May 2020 12:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion:117 Resp: 79220
 Ion Ratio Lower Upper
 117 100
 167 74.9 60.3 90.5

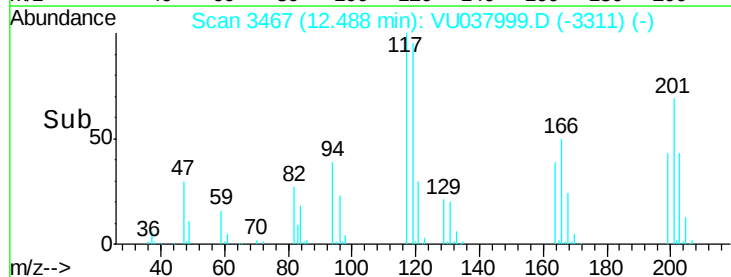
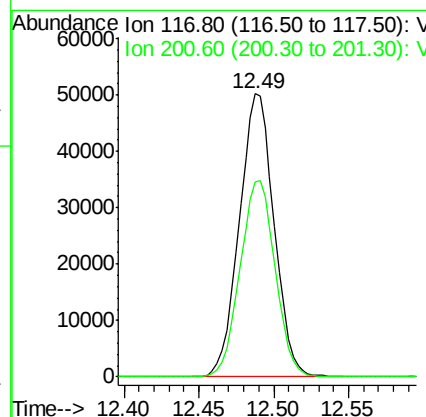
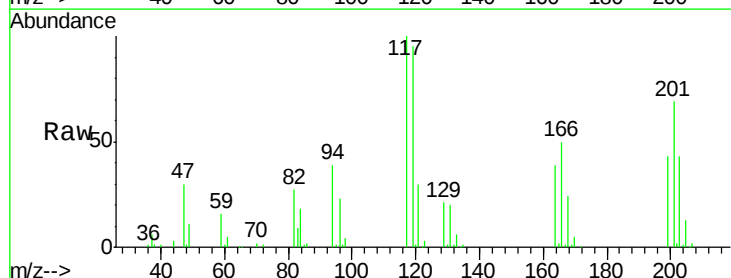
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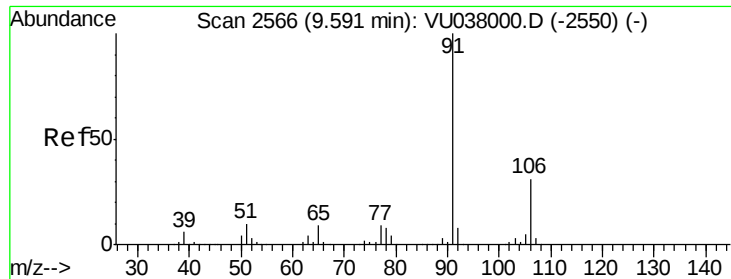
apatel
 5/5/2020 11:15:44 AM



#62
 Hexachloroethane
 Concen: 3.935 ug/l
 RT: 12.49 min Scan# 3467
 Delta R.T. 0.00 min
 Lab File: VU037999.D
 Acq: 04 May 2020 12:12

Tgt Ion:117 Resp: 81054
 Ion Ratio Lower Upper
 117 100
 201 69.8 54.7 82.1





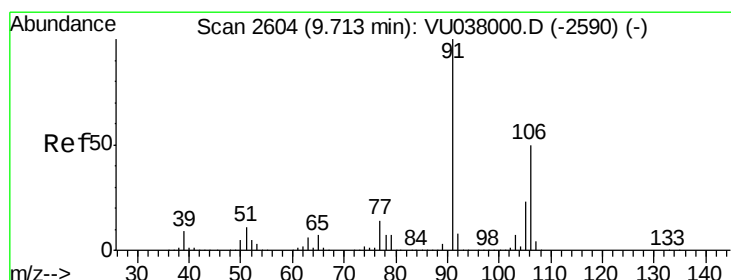
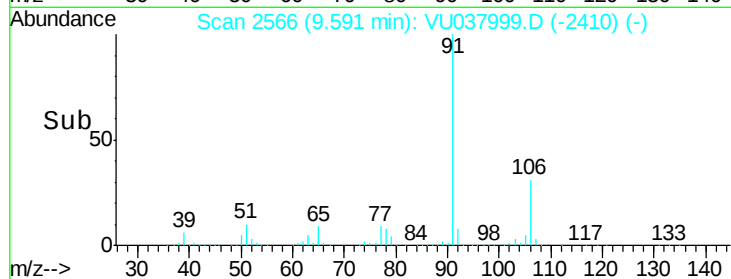
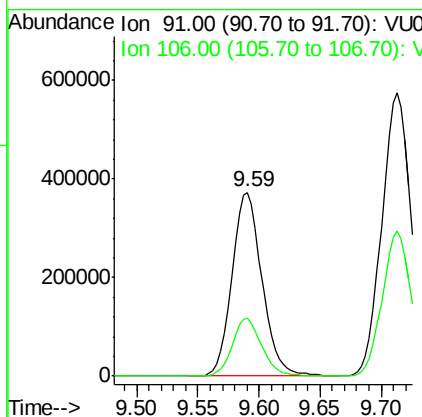
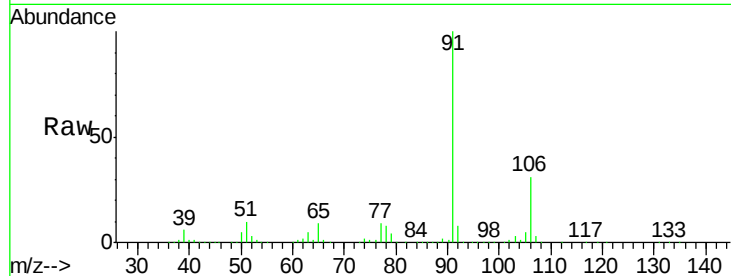
#63
Ethyl Benzene
Concen: 5.240 ug/l
RT: 9.59 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 639173
Ion Ratio Lower Upper
91 100
106 31.4 24.9 37.3

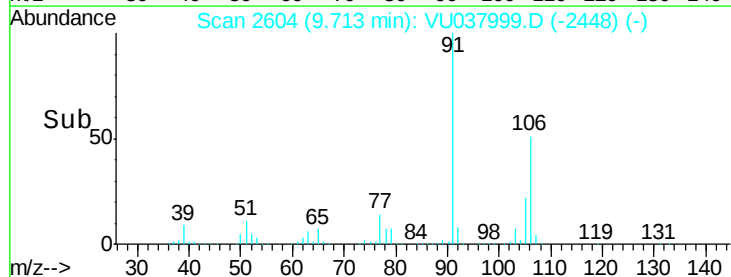
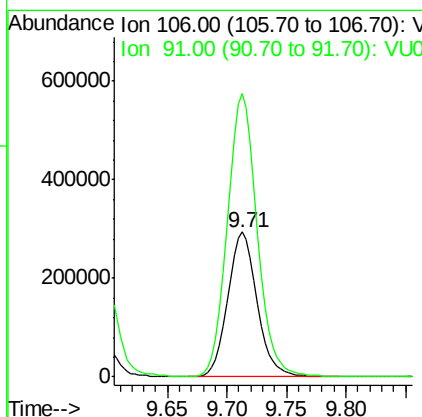
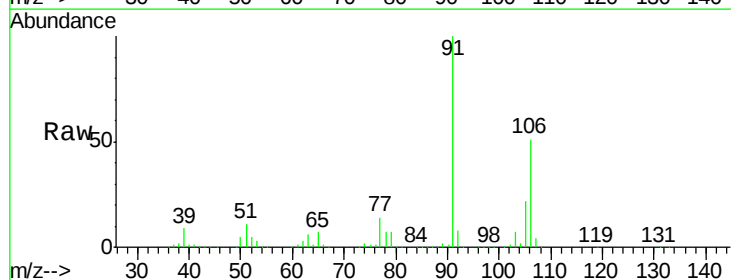
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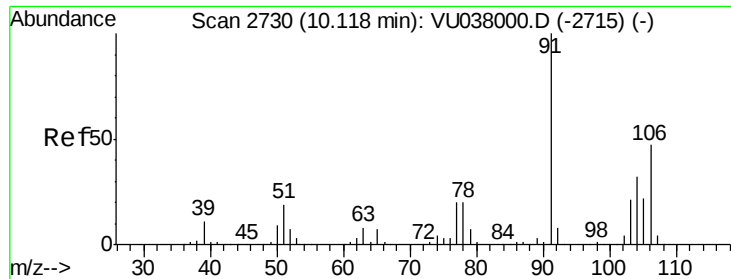
apatel
5/5/2020 11:15:44 AM



#64
m/p-Xylenes
Concen: 10.810 ug/l
RT: 9.71 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Tgt Ion: 106 Resp: 499225
Ion Ratio Lower Upper
106 100
91 198.8 159.5 239.3





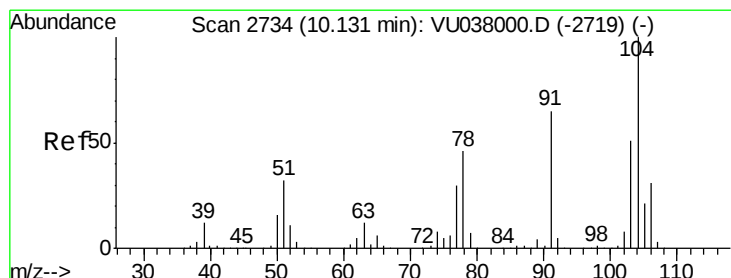
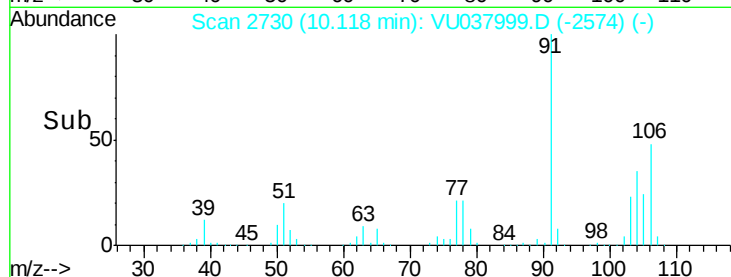
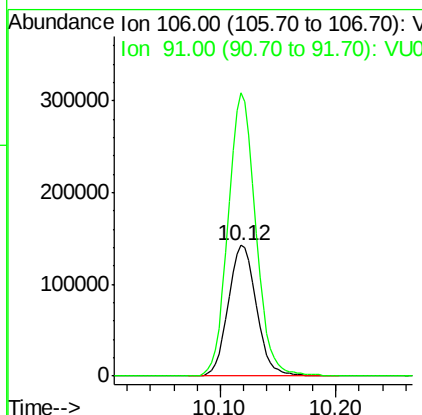
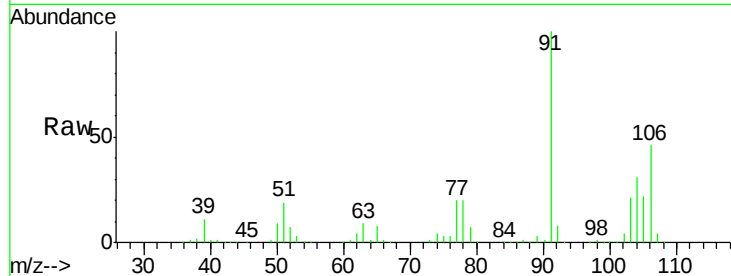
#65
o-Xylene
Concen: 5.338 ug/l
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Instrument :
MSVOA_U
ClientSampled :
VSTDIC005

Tot Ion:106 Resp: 238505
Ion Ratio Lower Upper
106 100
91 212.5 105.7 317.0

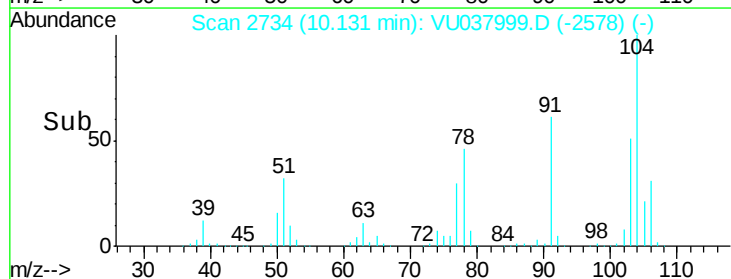
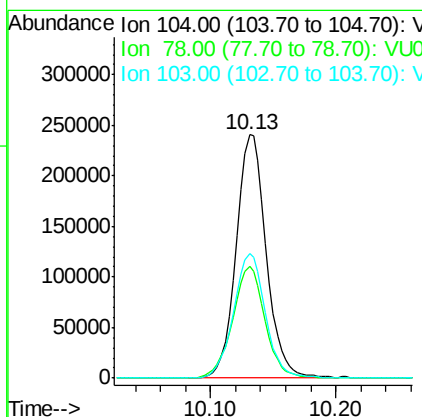
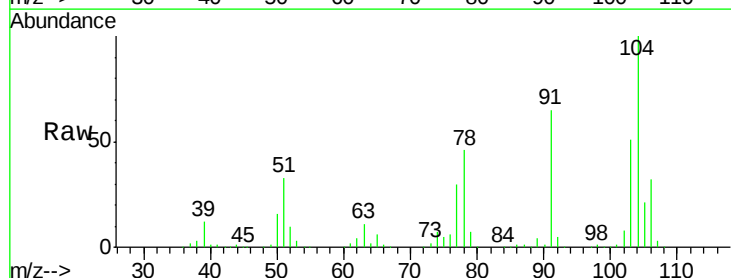
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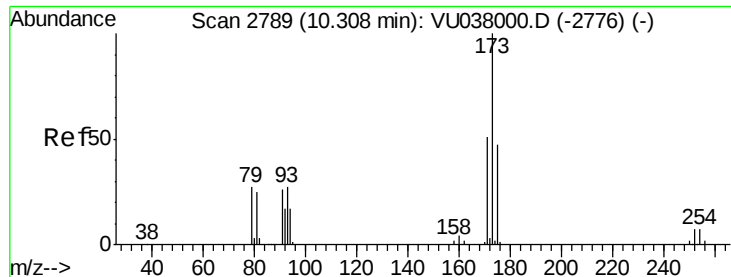
apatel
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#66
Styrene
Concen: 5.498 ug/l
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Tgt Ion:104 Resp: 401307
Ion Ratio Lower Upper
104 100
78 49.6 39.9 59.9
103 54.1 43.4 65.2





#67

Bromoform

Concen: 4.304 ug/l

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 54273

Ion Ratio Lower Upper

173 100

175 47.0 37.6 56.4

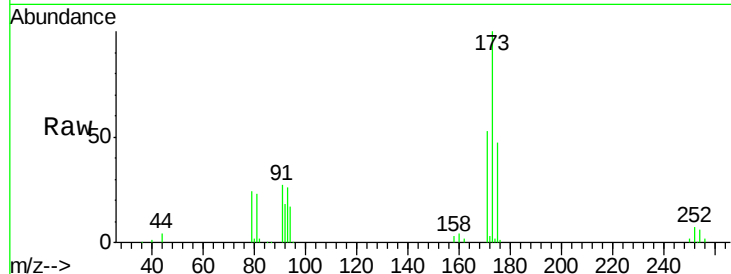
254 6.7 5.5 8.3

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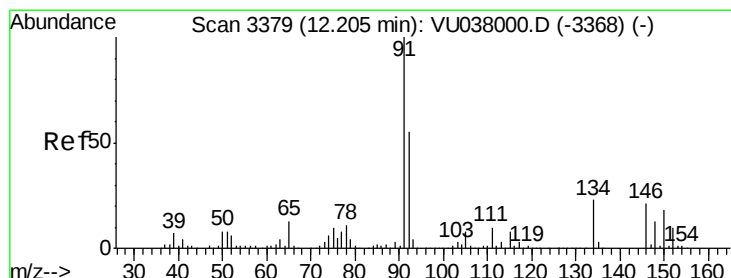
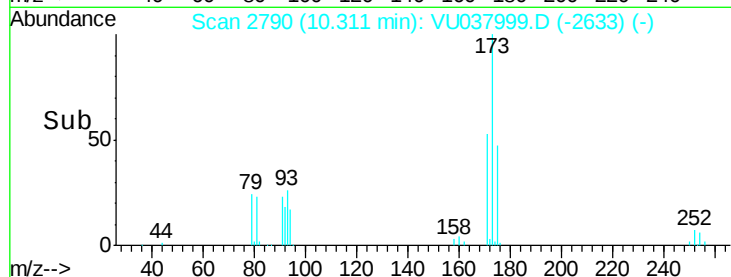
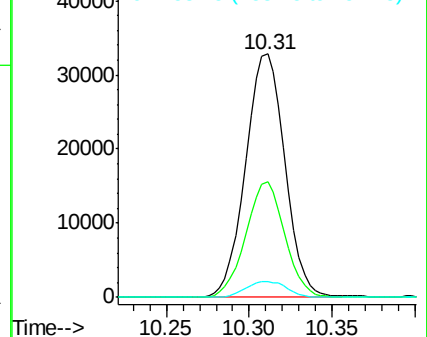
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 0.949 ug/l

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

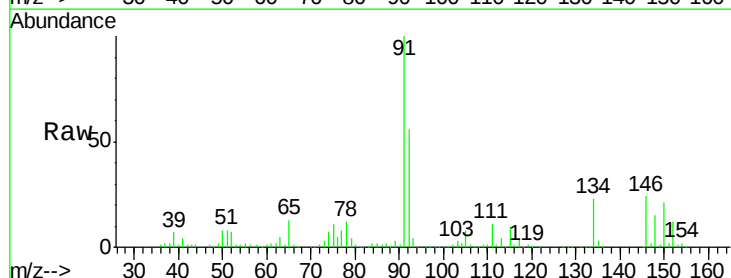
Tgt Ion:152 Resp: 32670

Ion Ratio Lower Upper

152 100

115 98.9 0.0 261.0

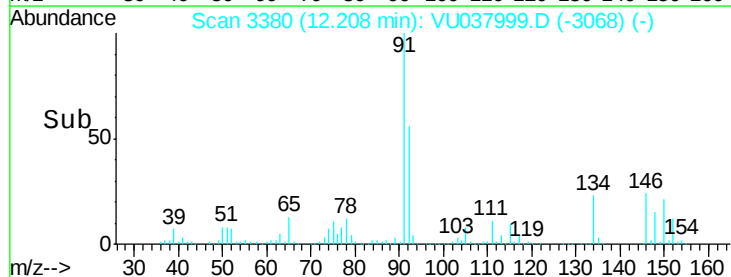
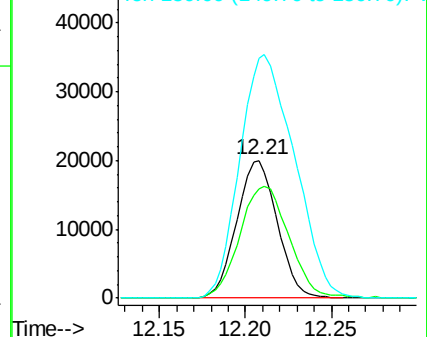
150 238.9 0.0 650.2

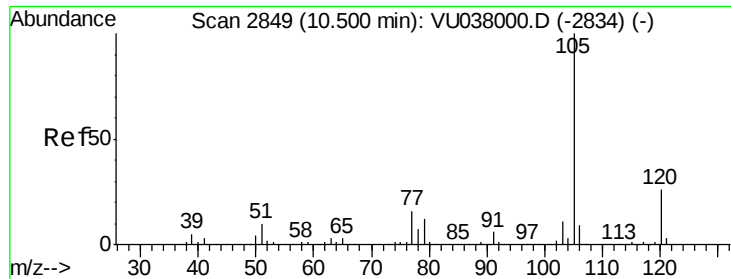


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 5.240 ug/l

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 635780

Ion Ratio Lower Upper

105 100

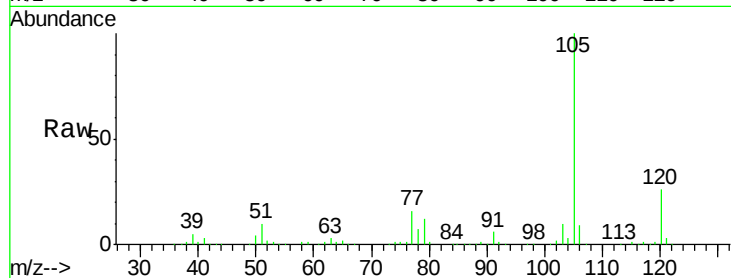
120 25.9 13.1 39.3

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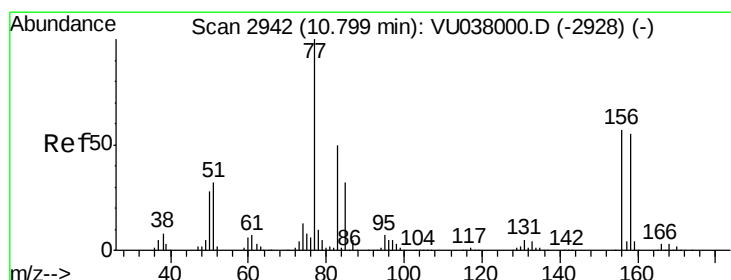
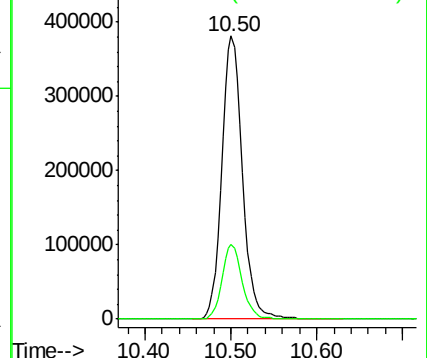
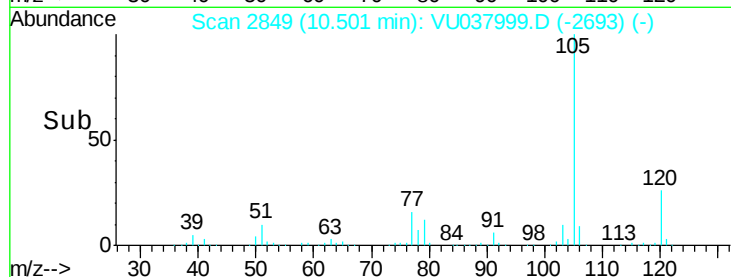
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#70

1,1,2,2-Tetrachloroethane

Concen: 4.629 ug/l

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

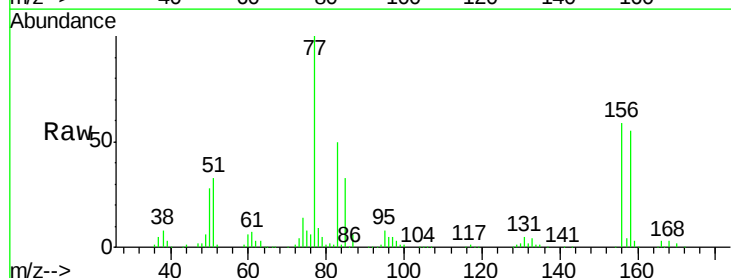
Tgt Ion: 83 Resp: 119743

Ion Ratio Lower Upper

83 100

131 8.7 7.2 10.8

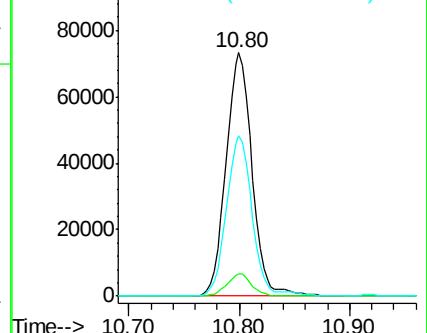
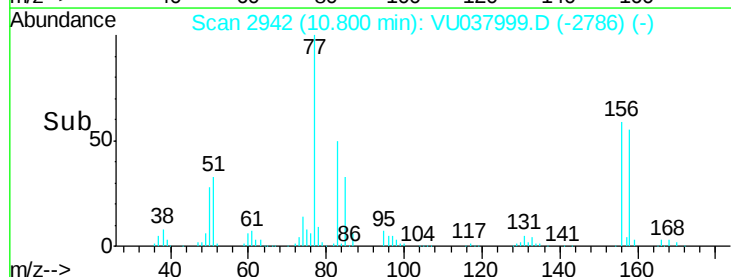
85 64.1 50.0 75.0

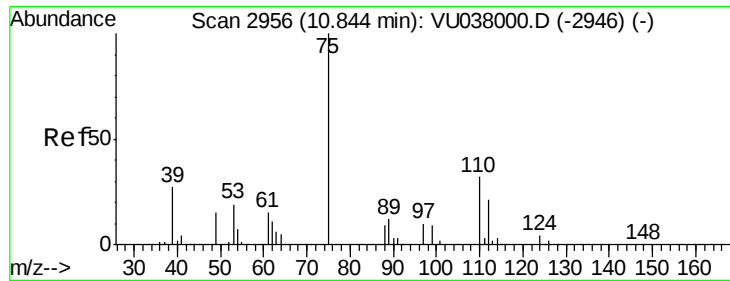


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0





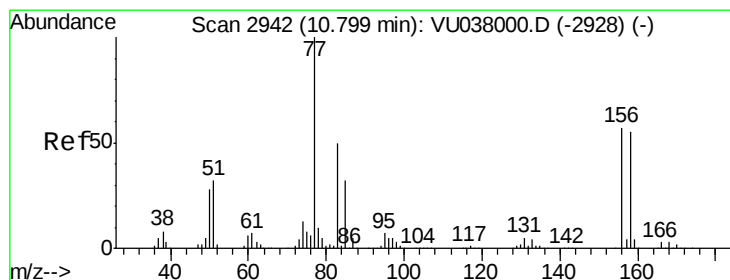
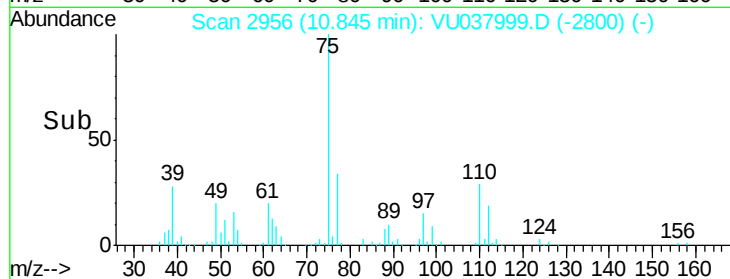
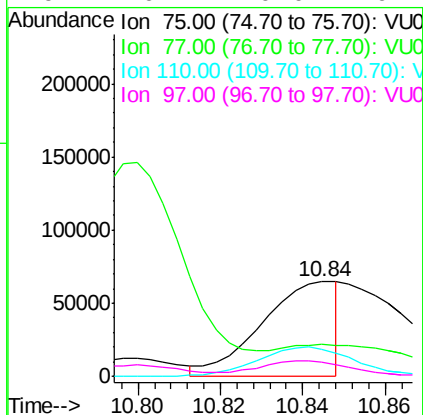
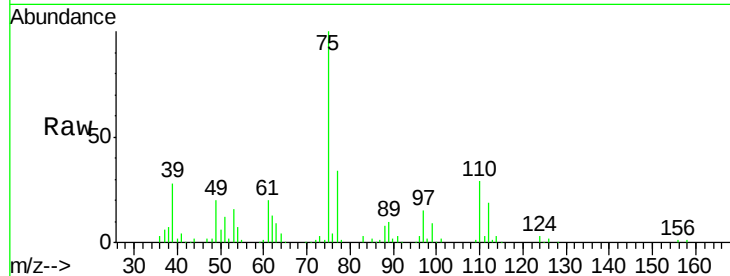
#71
 1,2,3-Trichloropropane
 Concen: 4.049 ug/l m
 RT: 10.84 min Scan# 2956
 Delta R.T. 0.00 min
 Lab File: VU037999.D
 Acq: 04 May 2020 12:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion:	75	Resp:	82595
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	108.6
110	39.2	0.0	79.4
97	20.4	0.0	40.4

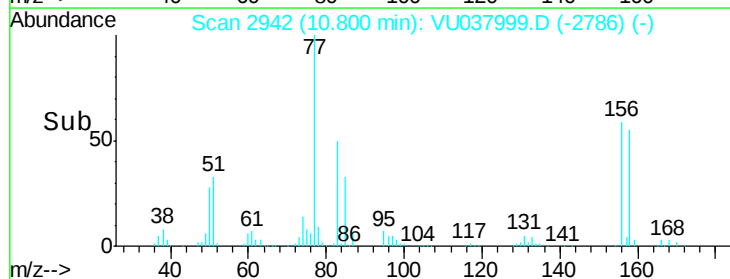
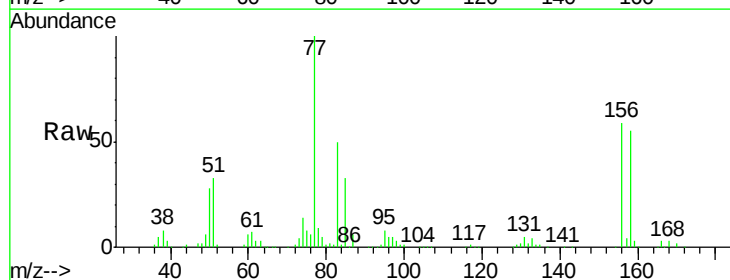
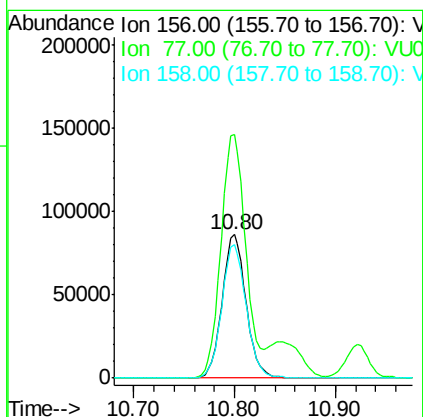
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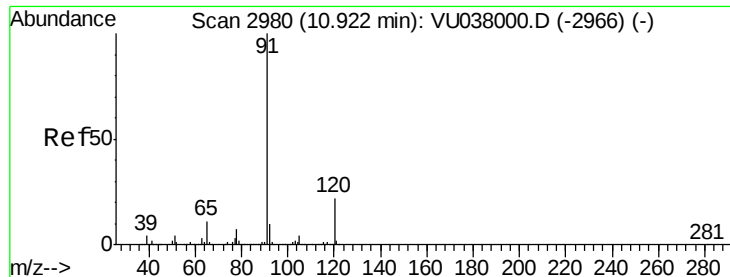
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#72
 Bromobenzene
 Concen: 4.868 ug/l
 RT: 10.80 min Scan# 2942
 Delta R.T. 0.00 min
 Lab File: VU037999.D
 Acq: 04 May 2020 12:12

Tgt Ion:	156	Resp:	142945
Ion Ratio	Lower	Upper	
156	100		
77	176.4	0.0	355.6
158	95.1	0.0	194.0





#73

n-propylbenzene

Concen: 5.429 ug/l

RT: 10.92 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:120 Resp: 175003

Ion Ratio Lower Upper

120 100

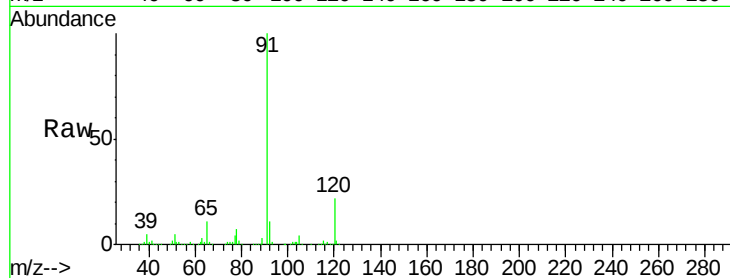
91 445.0 355.4 533.0

Manual Integrations

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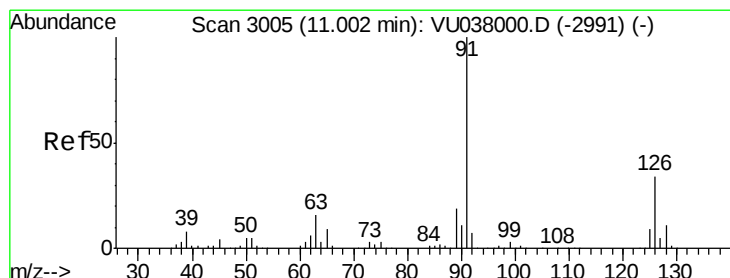
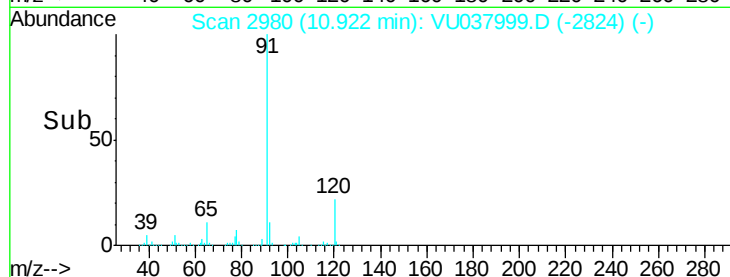
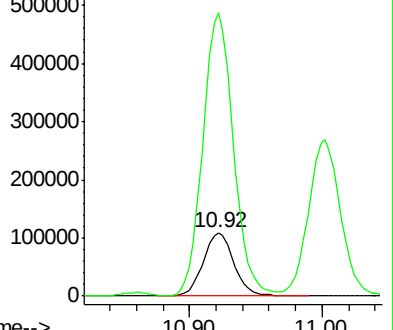
apatel

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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: 4.949 ug/l

RT: 11.00 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VU037999.D

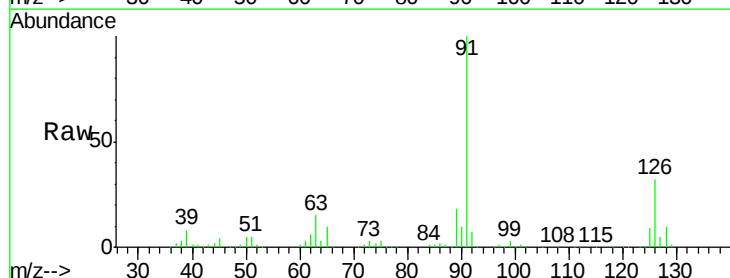
Acq: 04 May 2020 12:12

Tgt Ion:126 Resp: 142777

Ion Ratio Lower Upper

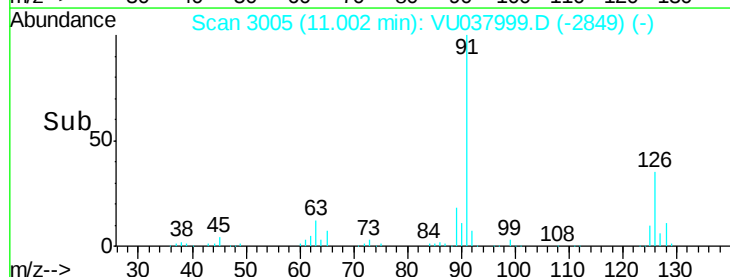
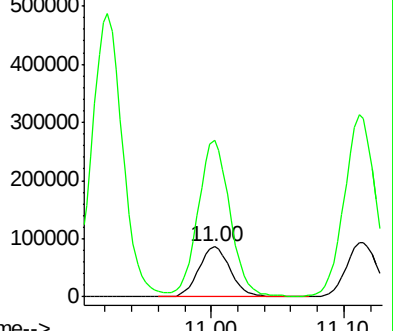
126 100

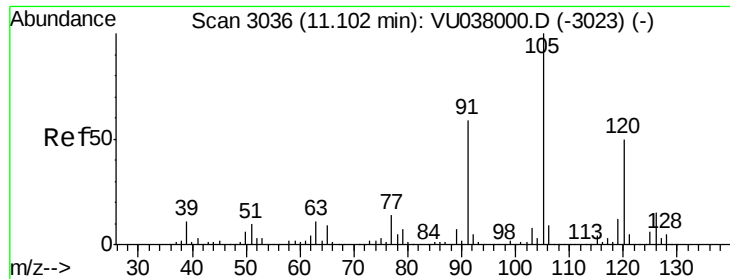
91 315.9 0.0 625.8



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: 5.035 ug/l

RT: 11.10 min Scan# 3036

Delta R.T. 0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 523363

Ion Ratio Lower Upper

105 100

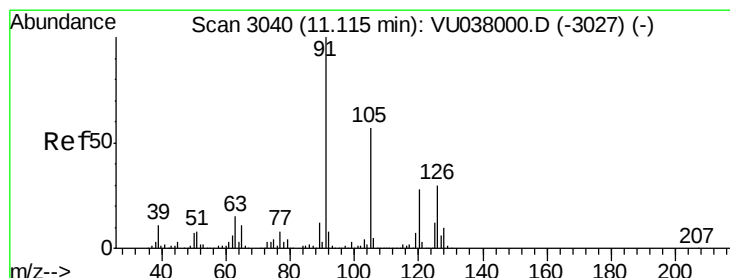
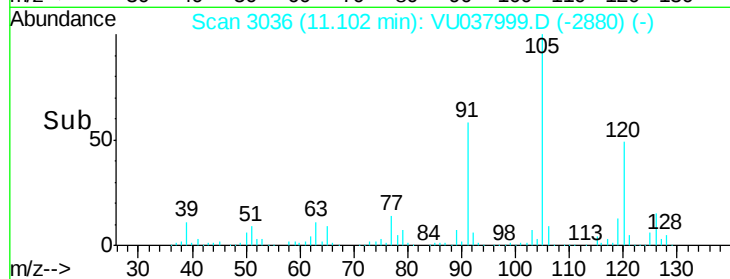
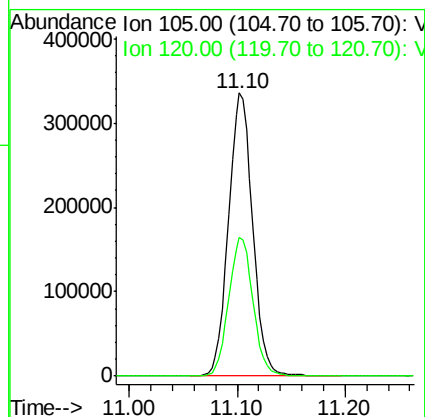
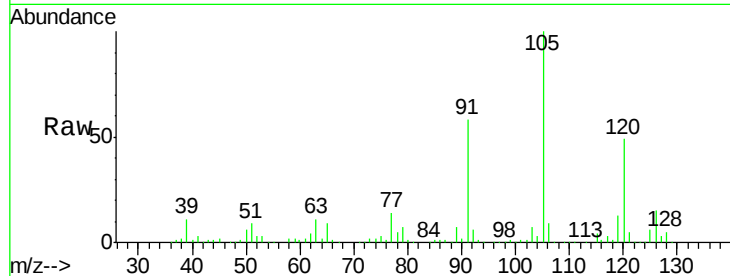
120 49.4 39.8 59.6

Manual Integrations

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#76

4-Chlorotoluene

Concen: 5.238 ug/l

RT: 11.11 min Scan# 3040

Delta R.T. 0.00 min

Lab File: VU037999.D

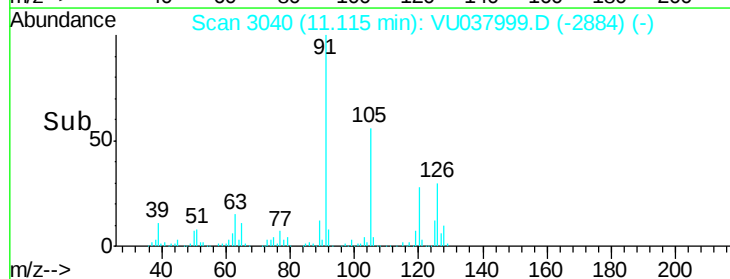
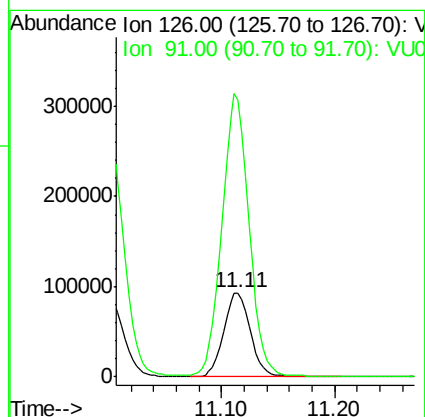
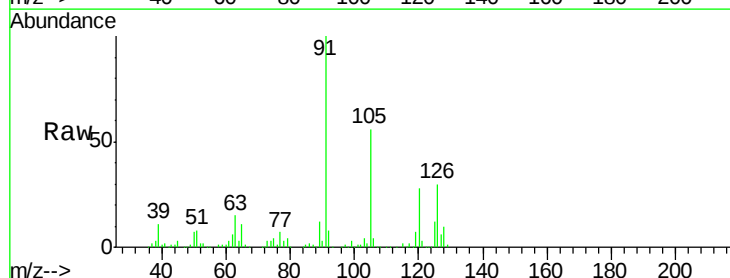
Acq: 04 May 2020 12:12

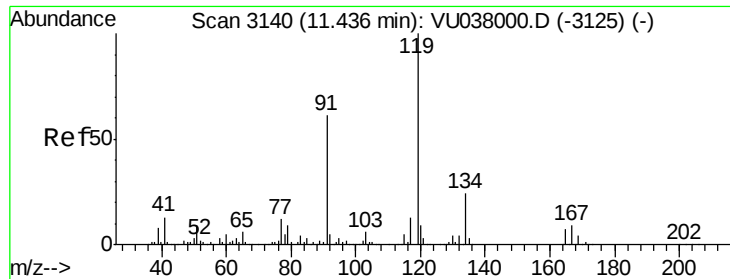
Tgt Ion:126 Resp: 152866

Ion Ratio Lower Upper

126 100

91 342.9 0.0 698.6





#77

tert-Butylbenzene

Concen: 4.883 ug/l

RT: 11.44 min Scan# 3140

Delta R.T. 0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

Instrument :

MSVOA_U

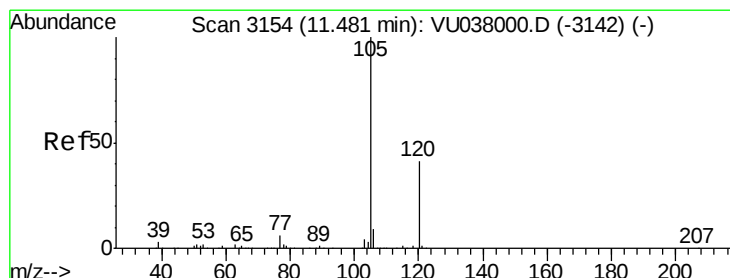
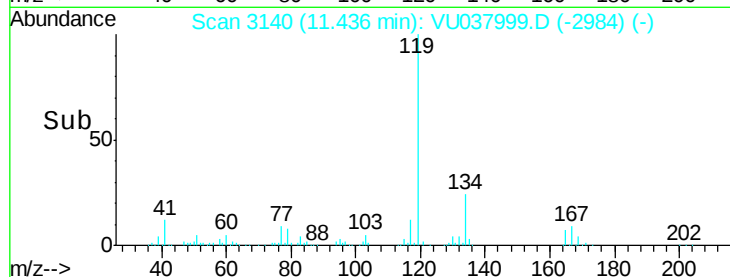
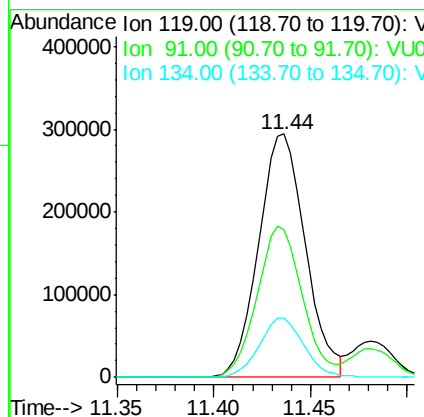
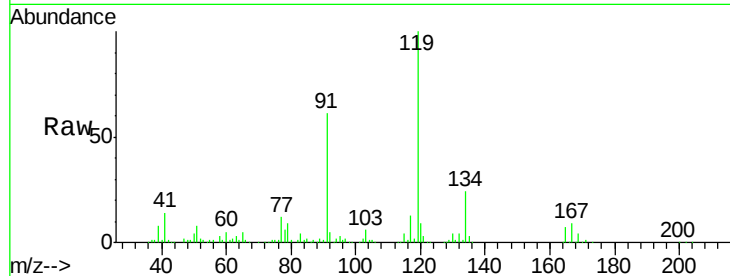
ClientSampleId :

VSTDIC005

Tot Ion:	119	Resp:	495239
Ion Ratio	Lower	Upper	
119	100		
91	59.6	30.1	90.5
134	23.3	19.0	28.6

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#78

1,2,4-Trimethylbenzene

Concen: 5.199 ug/l

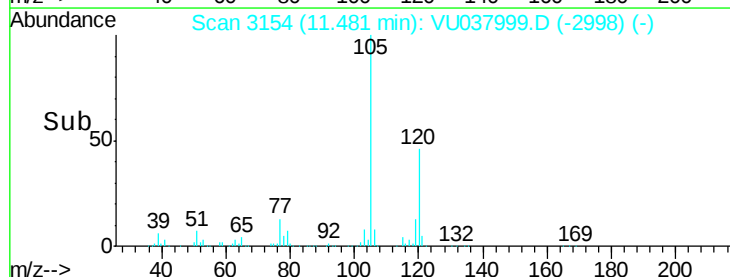
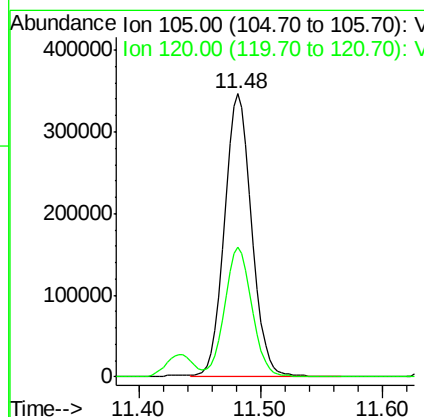
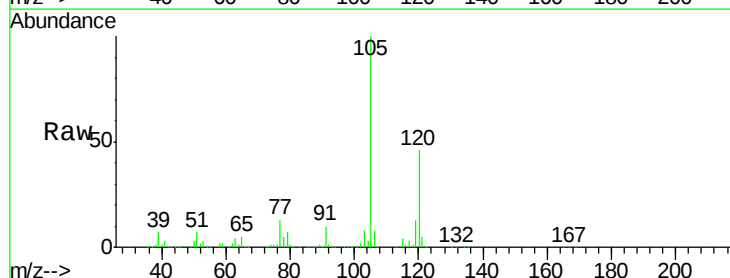
RT: 11.48 min Scan# 3154

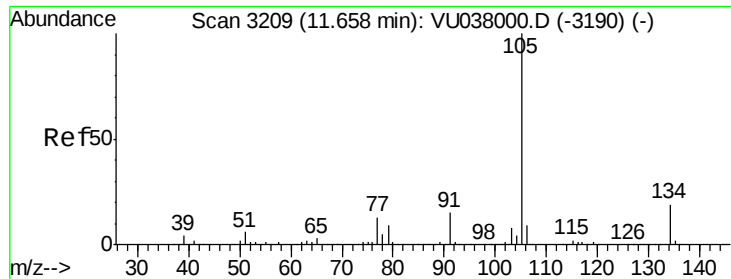
Delta R.T. 0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

Tgt Ion:	105	Resp:	544487
Ion Ratio	Lower	Upper	
105	100		
120	46.1	23.4	70.0





#79

sec-Butylbenzene

Concen: 5.049 ug/l

RT: 11.66 min Scan# 3209

Delta R.T. 0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 701796

Ion Ratio Lower Upper

105 100

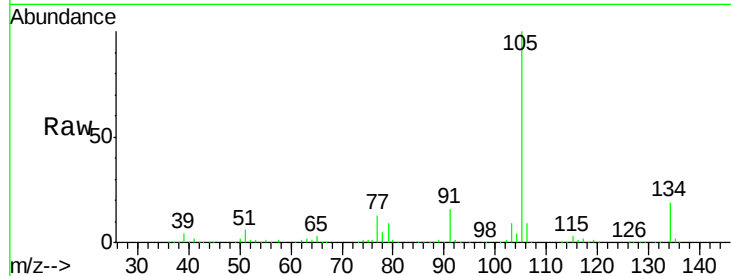
134 19.4 15.4 23.0

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.66

400000

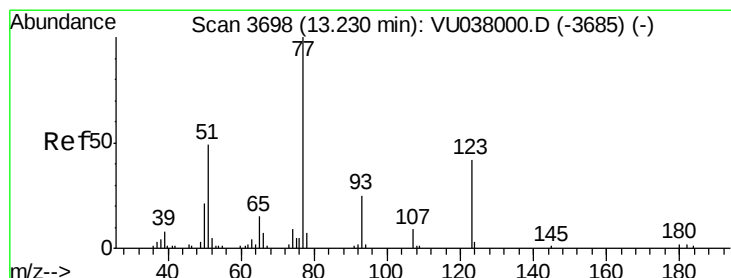
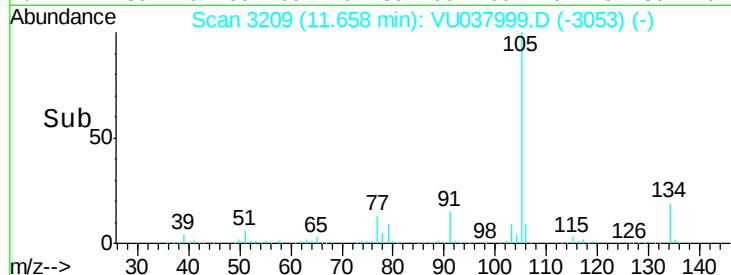
300000

200000

100000

0

Time-->



#80

Nitrobenzene

Concen: 27.623 ug/l

RT: 13.23 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

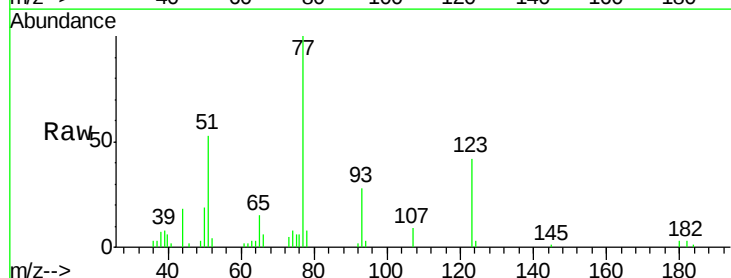
Tgt Ion: 77 Resp: 16289

Ion Ratio Lower Upper

77 100

123 40.3 17.6 62.6

65 15.6 13.2 16.8



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

13.23

12000

10000

8000

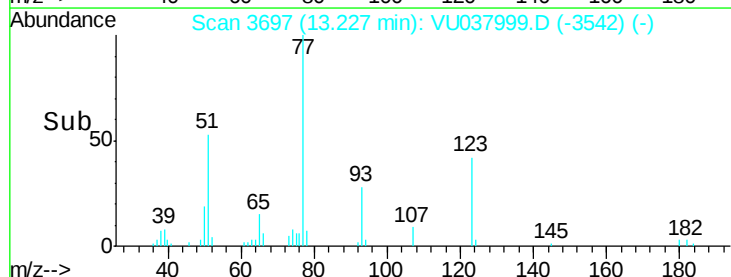
6000

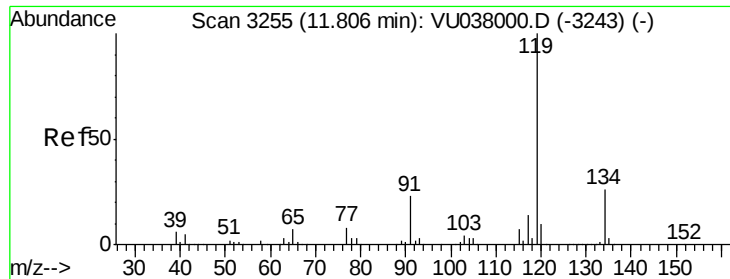
4000

2000

0

Time-->





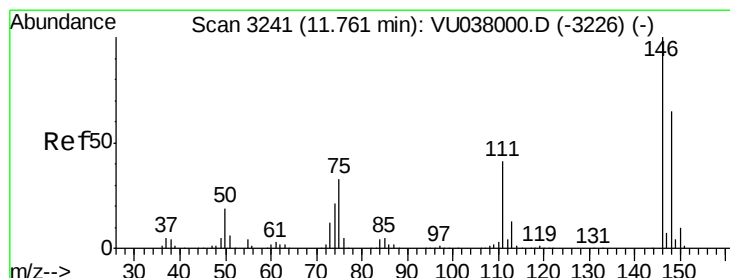
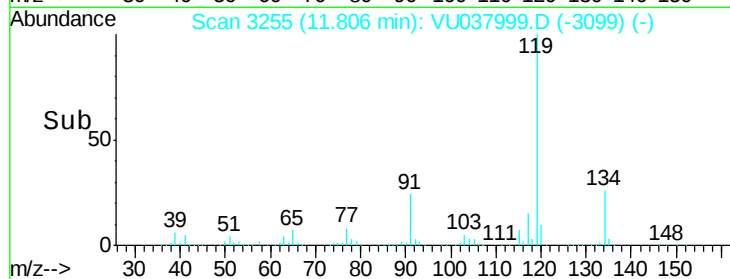
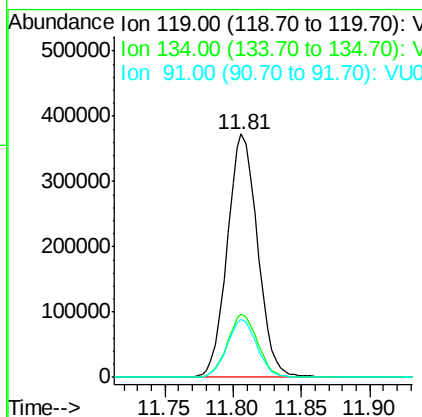
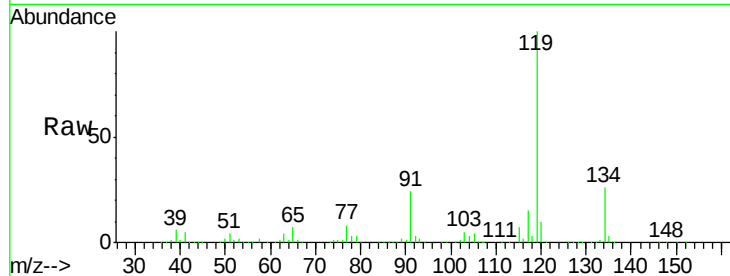
#81
 p-Isopropyltoluene
 Concen: 5.257 ug/l
 RT: 11.81 min Scan# 3255
 Delta R.T. 0.00 min
 Lab File: VU037999.D
 Acq: 04 May 2020 12:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.9	20.6	31.0
91	23.5	18.6	28.0

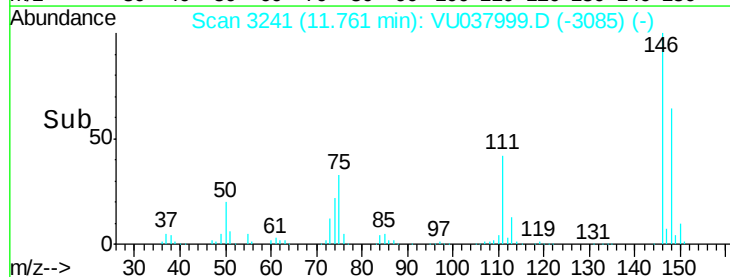
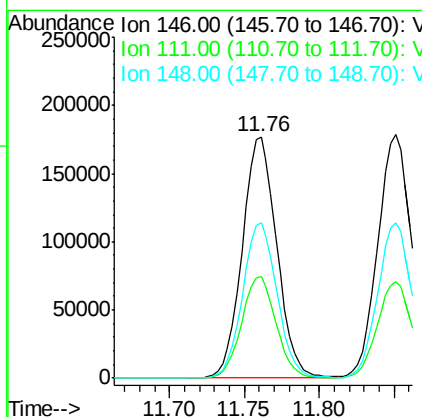
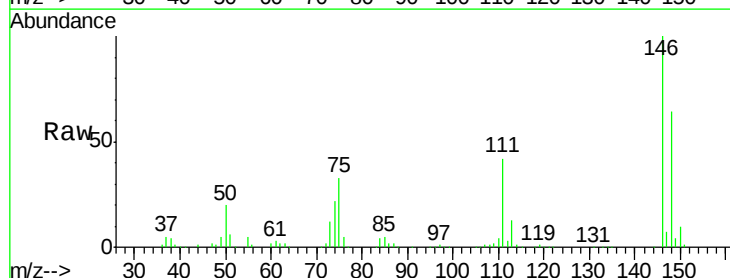
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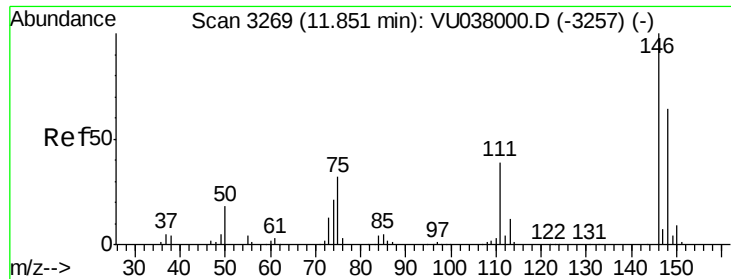
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#82
 1,3-Dichlorobenzene
 Concen: 4.899 ug/l
 RT: 11.76 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VU037999.D
 Acq: 04 May 2020 12:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	33.0	49.4
148	64.2	51.4	77.2





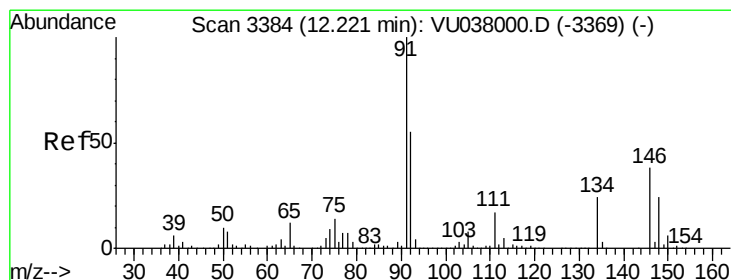
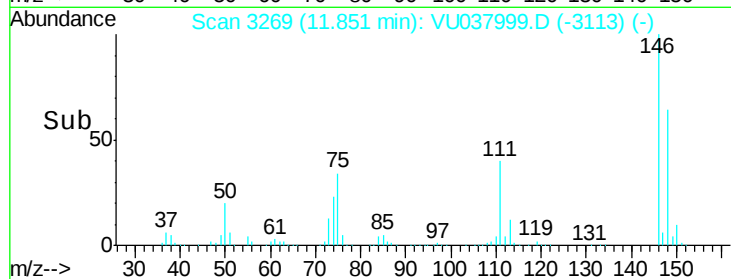
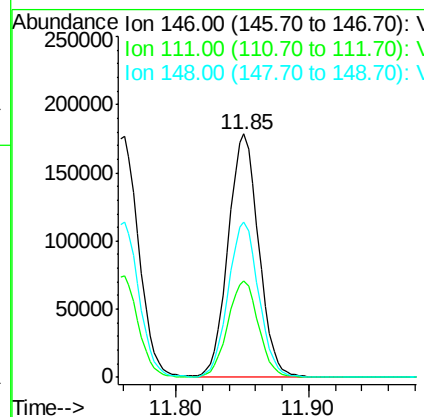
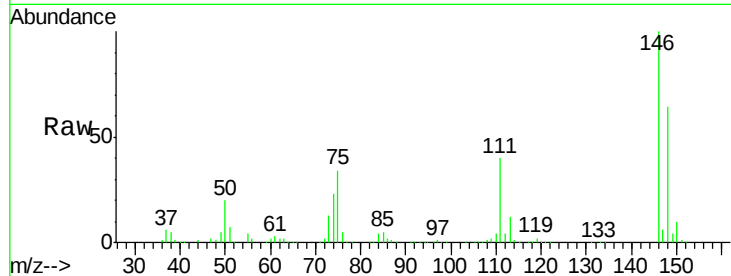
#83
 1,4-Dichlorobenzene
 Concen: 4.871 ug/l
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU037999.D
 Acq: 04 May 2020 12:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	31.8	47.6
148	63.8	51.2	76.8

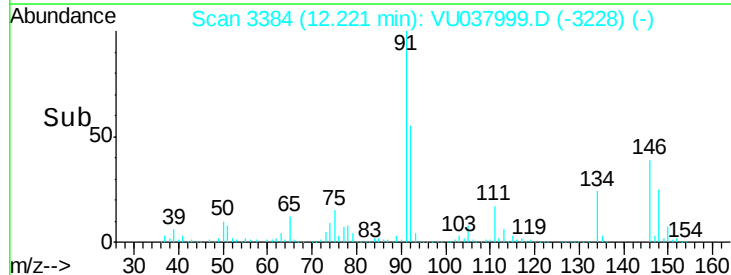
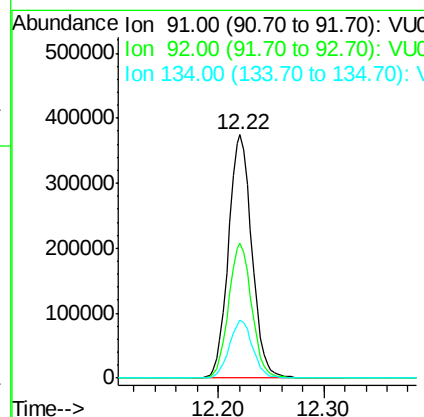
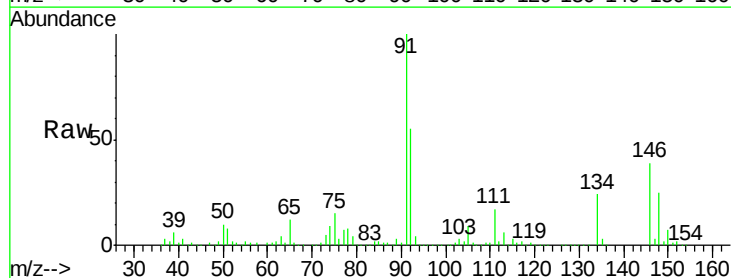
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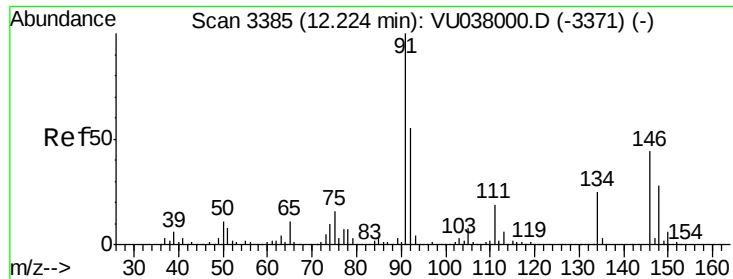
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#84
 n-Butylbenzene
 Concen: 5.470 ug/l
 RT: 12.22 min Scan# 3384
 Delta R.T. 0.00 min
 Lab File: VU037999.D
 Acq: 04 May 2020 12:12

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.8	43.8	65.6
134	23.9	19.4	29.2





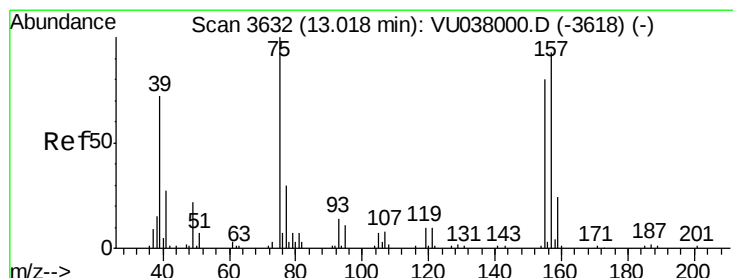
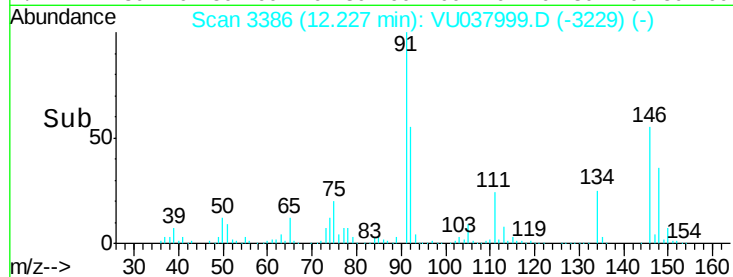
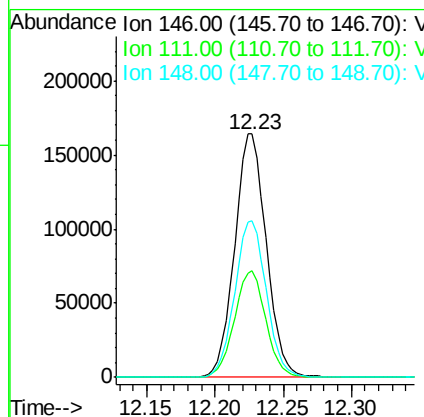
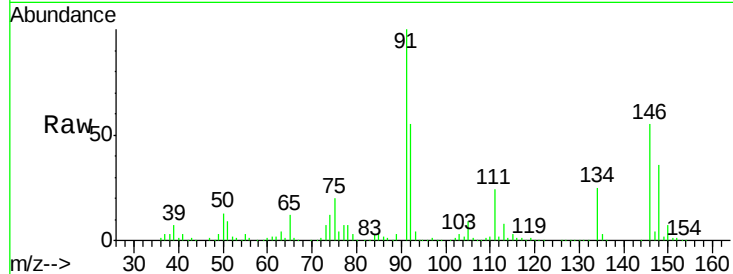
#85
 1,2-Dichlorobenzene
 Concen: 4.731 ug/l
 RT: 12.23 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU037999.D
 Acq: 04 May 2020 12:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
146	100	264801		
111	43.6	21.9	65.8	
148	64.2	31.8	95.4	

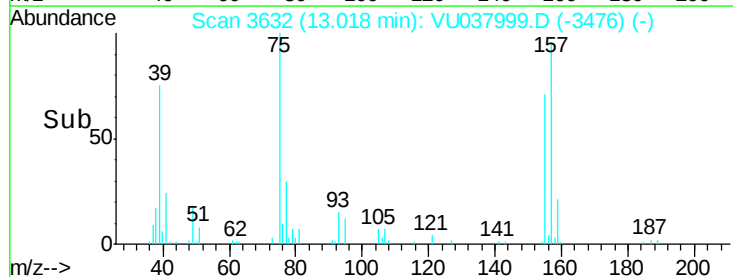
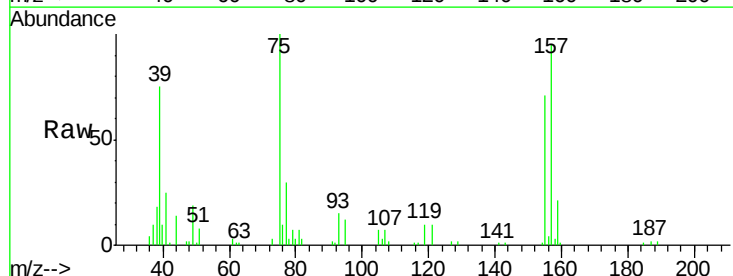
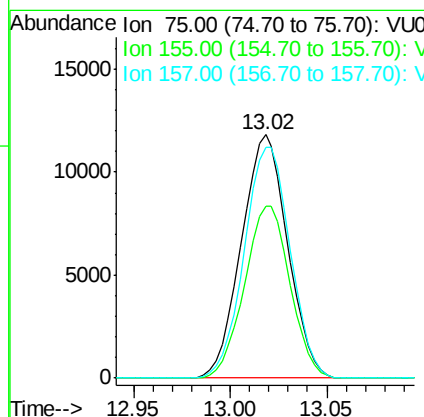
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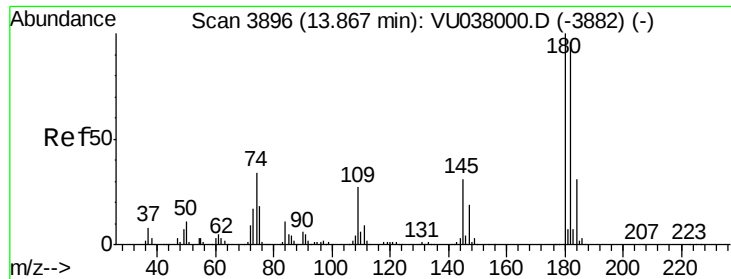
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 4.439 ug/l
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU037999.D
 Acq: 04 May 2020 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	19625		
155	69.5	60.9	91.3	
157	94.5	78.1	117.1	





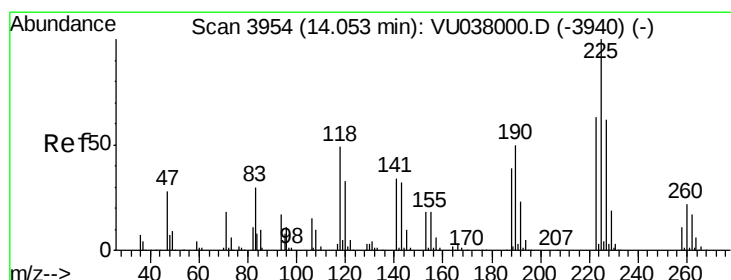
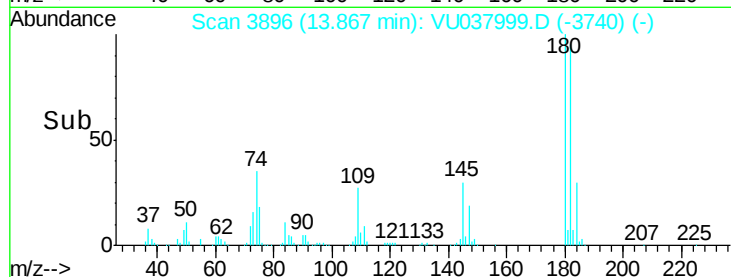
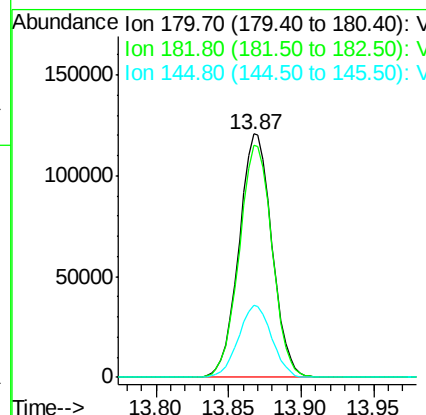
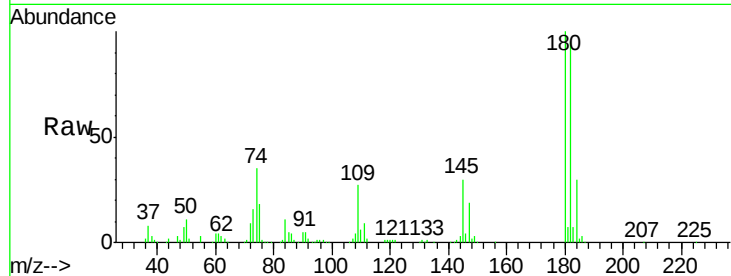
#87
 1,2,4-Trichlorobenzene
 Concen: 6.463 ug/l
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU037999.D
 Acq: 04 May 2020 12:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	190325		
182	95.3	76.9	115.3	
145	29.9	24.7	37.1	

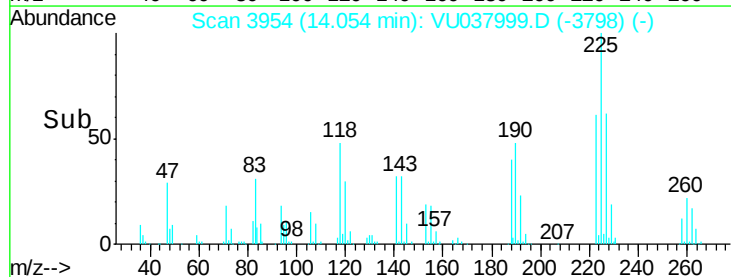
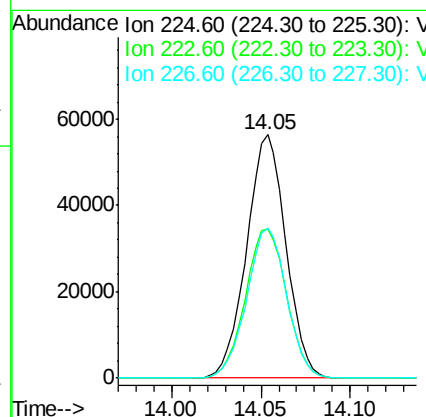
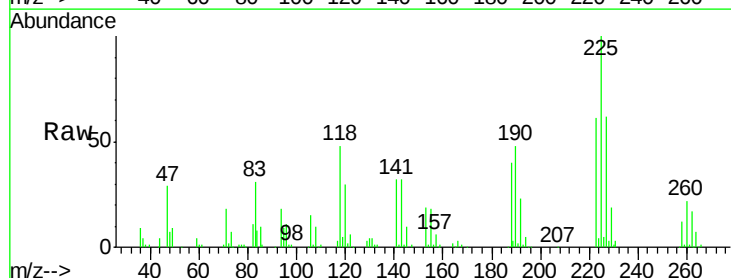
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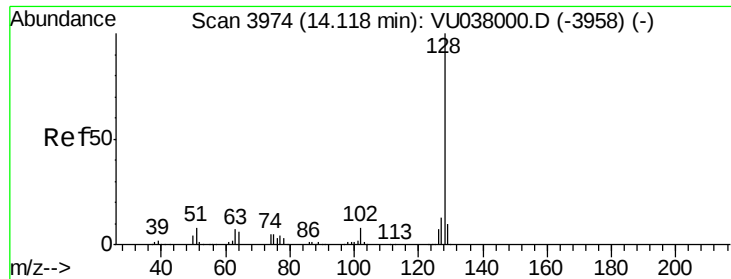
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#88
 Hexachlorobutadiene
 Concen: 4.920 ug/l
 RT: 14.05 min Scan# 3954
 Delta R.T. 0.00 min
 Lab File: VU037999.D
 Acq: 04 May 2020 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	86524		
223	64.4	51.3	76.9	
227	62.5	49.2	73.8	





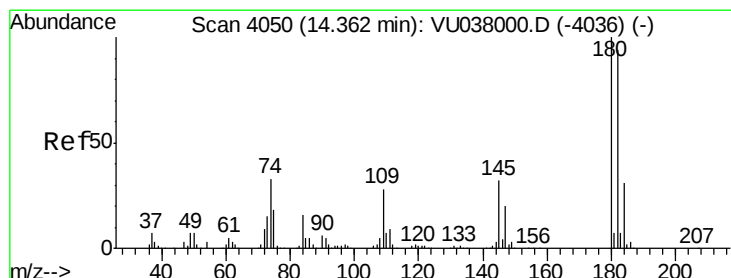
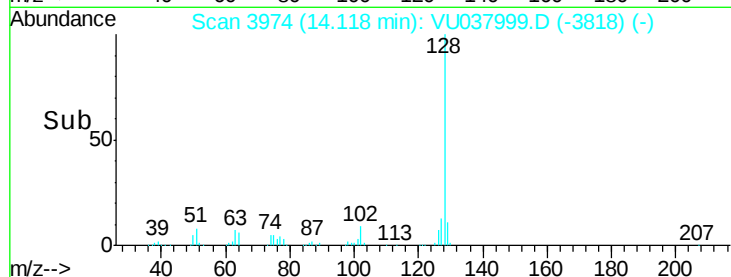
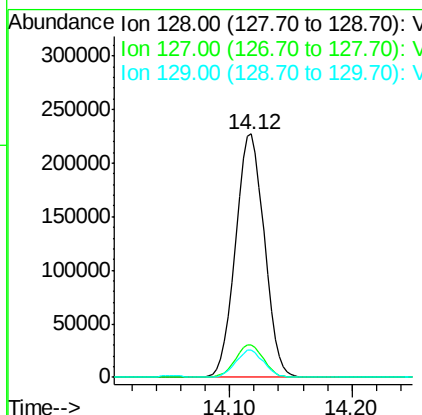
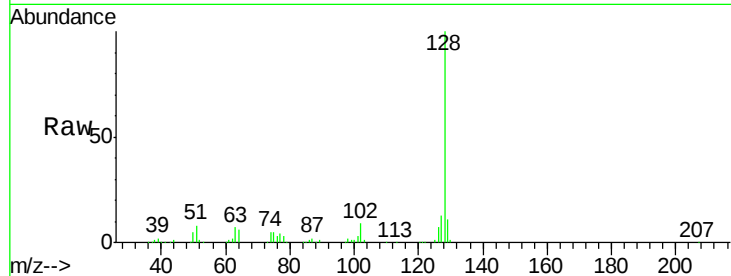
#89
Naphthalene
Concen: 7.269 ug/l
RT: 14.12 min Scan# 3974
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
128	100	371171		
127	13.0		10.4	15.6
129	10.9		8.6	12.8

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#90
1,2,3-Trichlorobenzene
Concen: 6.043 ug/l
RT: 14.36 min Scan# 4050
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	171425		
182	94.3		75.9	113.9
145	32.6		26.0	39.0

