

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU043018\
 Data File : VU023533.D
 Acq On : 30 Apr 2018 17:46
 Operator : MD/SY
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU043018

Manual Integrations
 APPROVED

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 5/3/2018 4:49:11 PM

Quant Time: May 01 05:17:32 2018
 Quant Method : W:\HPCHEM1\MSVOA U\METHOD\524U043018DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue May 01 05:06:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	53850	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	18700	1.06	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	17327	1.01	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.00%	

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.21	85	153626	8.79	ug/l	100
3) Chloromethane	1.33	50	187128	9.24	ug/l	99
4) Vinyl Chloride	1.40	62	190754	9.82	ug/l	99
5) Bromomethane	1.64	94	108064	10.40	ug/l	100
6) Chloroethane	1.70	64	106163	9.81	ug/l	100
7) Trichlorofluoromethane	1.89	101	227836	10.21	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	141013	10.29	ug/l	99
9) 1,1-Dichloroethene	2.29	96	132138	10.38	ug/l	98
10) Iodomethane	2.42	142	162436	10.74	ug/l	100
11) Allyl Chloride	2.60	41	255560	10.93	ug/l	97
12) Acrylonitrile	2.95	53	140323	53.44	ug/l	96
13) Acetone	2.34	43	163980	73.58	ug/l	98
14) Carbon Disulfide	2.48	76	431317	10.30	ug/l	100
15) Methylene Chloride	2.71	84	138489	9.56	ug/l	97
16) trans-1,2-Dichloroethene	2.99	96	141749	10.40	ug/l	98
17) 1,1-Dichloroethane	3.45	63	277939	10.35	ug/l	100
18) 2-Butanone	4.30	43	211887	58.84	ug/l	99
19) Cyclohexane	4.99	56	238568	10.28	ug/l	99
20) Methylcyclohexane	6.41	83	263689	11.14	ug/l	99
21) 2,2-Dichloropropane	4.23	77	223335	10.49	ug/l	99
22) cis-1,2-Dichloroethene	4.23	96	153849	10.43	ug/l	99
23) Diethyl Ether	2.11	59	107312	10.32	ug/l	99
24) tert-Butyl Alcohol	2.88	59	42156	55.67	ug/l #	82
25) Methyl tert-Butyl Ether	3.01	73	329405	10.30	ug/l	100
26) Bromochloromethane	4.55	128	56052	9.62	ug/l	99
27) Chloroform	4.68	83	253047	10.01	ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	217914	10.50	ug/l	100
29) 1,1-Dichloropropene	5.13	75	208332	10.23	ug/l	99
30) Carbon Tetrachloride	5.13	117	186298	10.67	ug/l	100
31) Isopropyl Ether	3.58	45	471276	10.40	ug/l #	1
34) Propionitrile	4.36	54	103432	100.87	ug/l #	94
35) Benzene	5.39	78	651281	10.77	ug/l	100
36) 1,2-Dichloroethane	5.41	62	175742	10.27	ug/l	100
37) Trichloroethene	6.19	130	167953	10.34	ug/l	99
38) 1,2-Dichloropropane	6.44	63	173952	10.48	ug/l	99
39) Methacrylonitrile	4.56	41	51913	9.90	ug/l	98
40) Methyl acrylate	4.44	55	78178	10.75	ug/l	99
41) Tetrahydrofuran	4.67	42	122348	45.29	ug/l	99
42) 1-Chlorobutane	5.07	56	306241	10.38	ug/l	99
43) Dibromomethane	6.56	93	75193	10.54	ug/l	100
44) Bromodichloromethane	6.76	83	191699	10.69	ug/l	100

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Quant Time: May 01 05:17:32 2018
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.48	43	473574	56.15	ug/l	98
46) t-1,4-Dichloro-2-butene	10.52	75	29905m	11.99	ug/l	
47) Methyl methacrylate	6.64	69	70768	10.94	ug/l	99
48) Ethyl methacrylate	8.03	69	133683	11.82	ug/l	98
49) Toluene	7.64	92	390922	11.19	ug/l	98
50) t-1,3-Dichloropropene	7.89	75	183805	12.01	ug/l	100
51) cis-1,3-Dichloropropene	7.27	75	229594	11.52	ug/l	100
52) 1,1,2-Trichloroethane	8.07	97	110223	10.85	ug/l	99
53) 1,3-Dichloropropane	8.25	76	194705	10.79	ug/l	99
54) 2-Hexanone	8.37	43	358278	62.36	ug/l	100
55) Dibromochloromethane	8.48	129	120493	10.83	ug/l	99
56) 1,2-Dibromoethane	8.59	107	96432	11.02	ug/l	99
58) Tetrachloroethene	8.23	164	160616	10.85	ug/l	97
59) Chlorobenzene	9.12	112	409166	10.94	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	135887	10.70	ug/l	100
61) Pentachloroethane	11.10	117	96150	10.66	ug/l	98
62) Hexachloroethane	12.15	117	91828	10.61	ug/l	99
63) Ethyl Benzene	9.25	91	725745	11.67	ug/l	99
64) m/p-Xylenes	9.38	106	561457	23.42	ug/l	100
65) o-Xylene	9.78	106	262023	11.35	ug/l	99
66) Styrene	9.80	104	434613	11.41	ug/l	99
67) Bromoform	9.96	173	64294	11.06	ug/l	100
69) Isopropylbenzene	10.17	105	712752	11.98	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.46	83	121767	10.64	ug/l	100
71) 1,2,3-Trichloropropane	10.50	75	88122m	10.76	ug/l	
72) Bromobenzene	10.46	156	163821	11.06	ug/l	96
73) n-propylbenzene	10.59	120	195978	11.92	ug/l	97
74) 2-Chlorotoluene	10.66	126	166347	11.44	ug/l	97
75) 1,3,5-Trimethylbenzene	10.78	105	597975	11.93	ug/l	100
76) 4-Chlorotoluene	10.78	126	173165	11.50	ug/l	99
77) tert-Butylbenzene	11.10	119	540621	11.52	ug/l	100
78) 1,2,4-Trimethylbenzene	11.15	105	597532	11.81	ug/l	99
79) sec-Butylbenzene	11.33	105	722722	10.99	ug/l	99
80) Nitrobenzene	12.87	77	4785	12.00	ug/l	96
81) p-Isopropyltoluene	11.48	119	635942	11.77	ug/l	100
82) 1,3-Dichlorobenzene	11.42	146	321145	10.87	ug/l	100
83) 1,4-Dichlorobenzene	11.51	146	325404	11.03	ug/l	100
84) n-Butylbenzene	11.89	91	622726	11.81	ug/l	100
85) 1,2-Dichlorobenzene	11.88	146	286012	10.72	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.66	75	18187	11.26	ug/l	99
87) 1,2,4-Trichlorobenzene	13.51	180	228170	11.82	ug/l	99
88) Hexachlorobutadiene	13.70	225	126155	10.78	ug/l	99
89) Naphthalene	13.75	128	366054	12.59	ug/l	100
90) 1,2,3-Trichlorobenzene	13.99	180	200377	11.06	ug/l	99

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

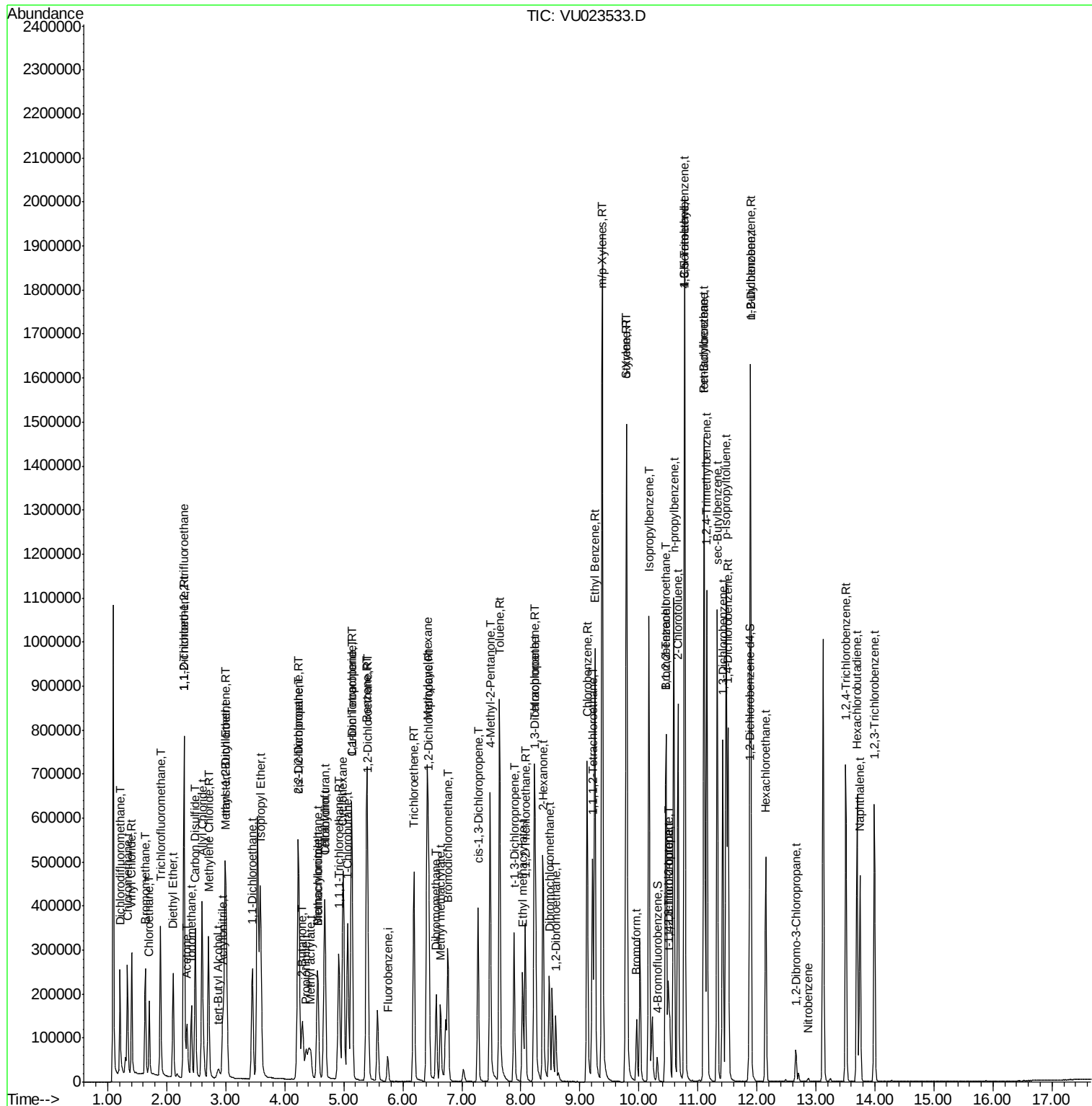
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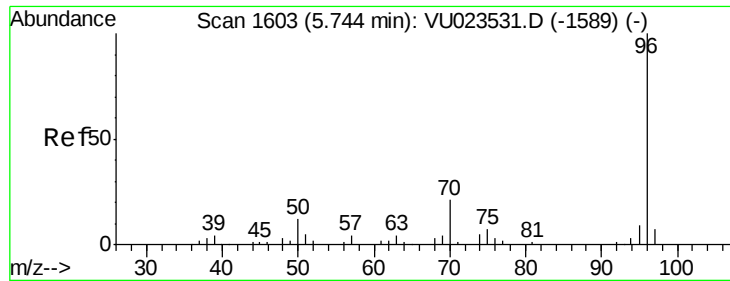
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#1

Fluorobenzene

Concen: 1.00 ug/l

RT: 5.74 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VU023533.D

Acq: 30 Apr 2018 17:46

Instrument :

MSVOA_U

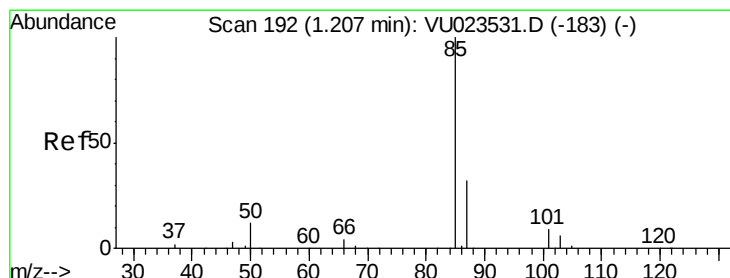
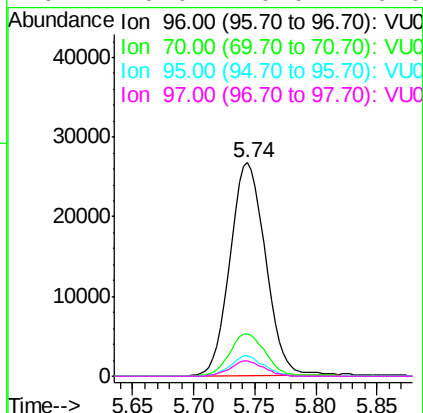
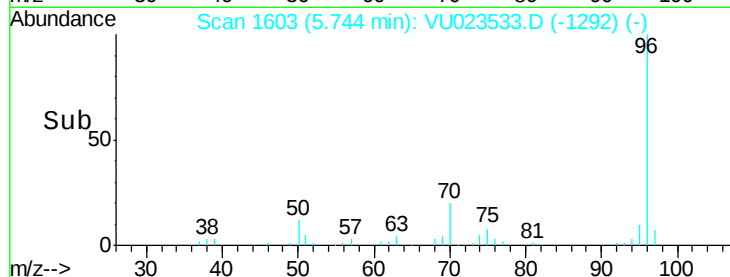
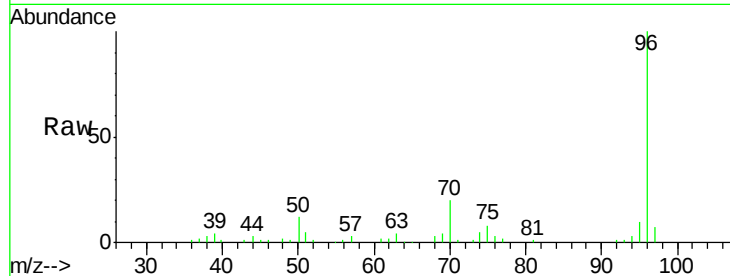
ClientSampleId :

ICVVU043018

Tot Ion:	96	Resp:	53850
Ion	Ratio	Lower	Upper
96	100		
70	19.6	16.2	24.4
95	9.0	6.9	10.3
97	0.0	0.0	0.0

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#2

Dichlorodifluoromethane

Concen: 8.79 ug/l

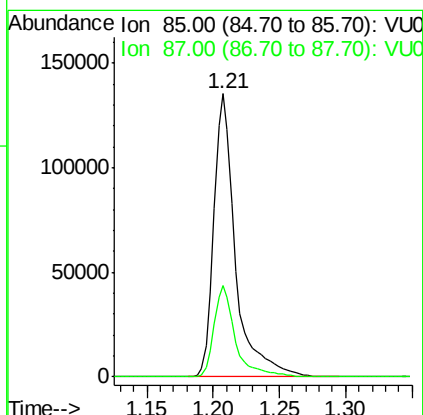
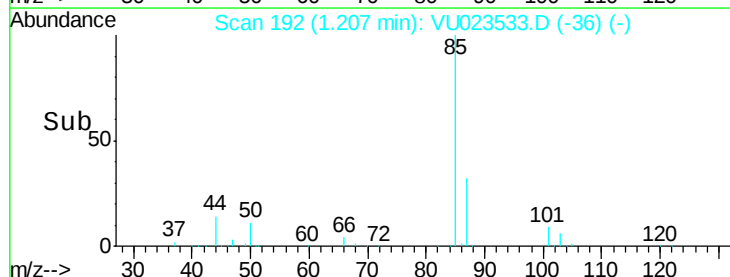
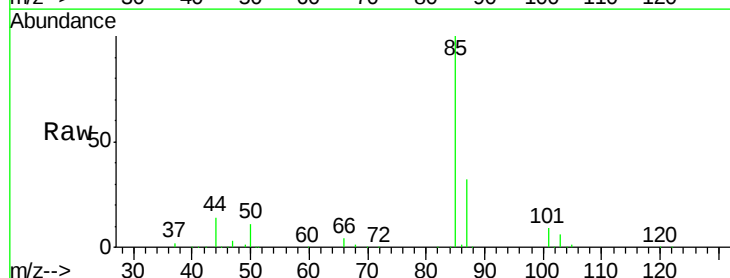
RT: 1.21 min Scan# 192

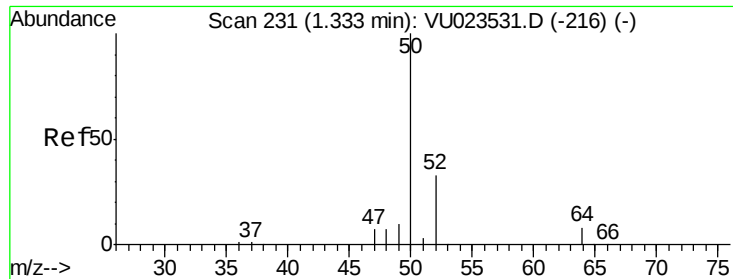
Delta R.T. 0.00 min

Lab File: VU023533.D

Acq: 30 Apr 2018 17:46

Tgt Ion:	85	Resp:	153626
Ion	Ratio	Lower	Upper
85	100		
87	32.1	16.2	48.5





#3

Chloromethane

Concen: 9.24 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU023533.D

Acq: 30 Apr 2018 17:46

Instrument :

MSVOA_U

ClientSampleId :

ICVVU043018

Tot Ion: 50 Resp: 187128

Ion Ratio Lower Upper

50 100

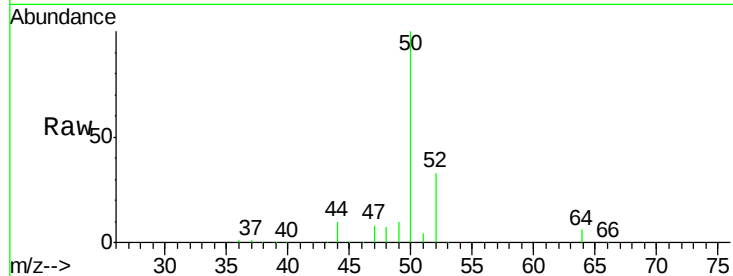
52 33.0 26.0 39.0

Manual Integrations

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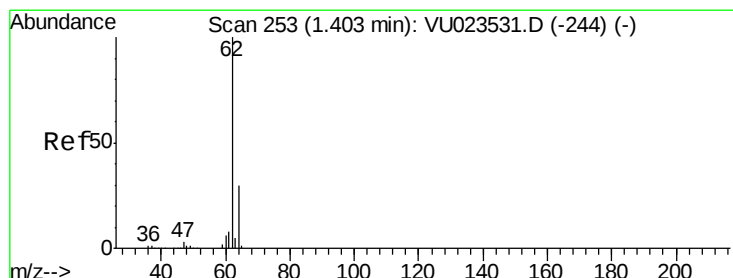
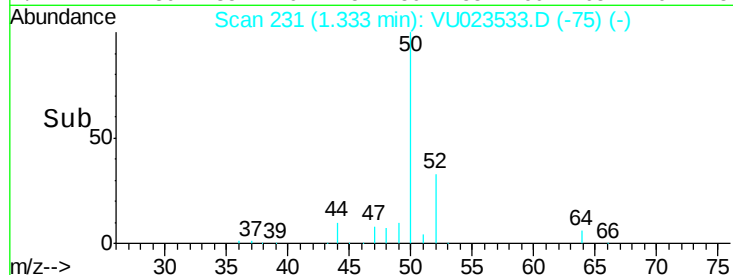
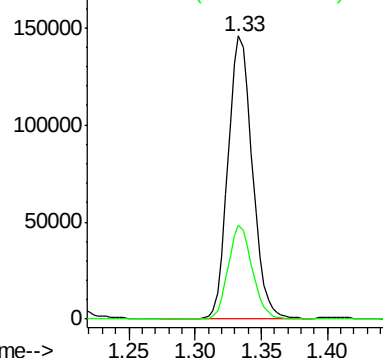
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Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#4

Vinyl Chloride

Concen: 9.82 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU023533.D

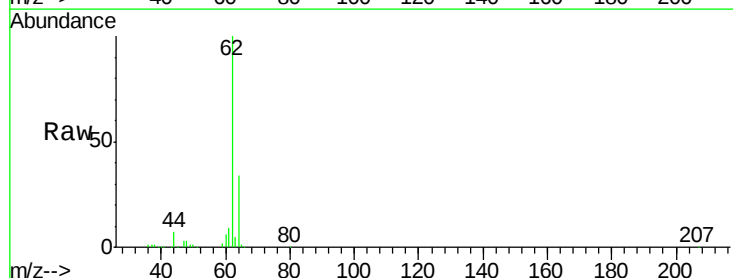
Acq: 30 Apr 2018 17:46

Tgt Ion: 62 Resp: 190754

Ion Ratio Lower Upper

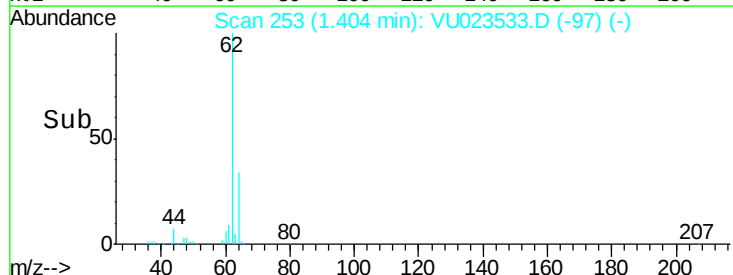
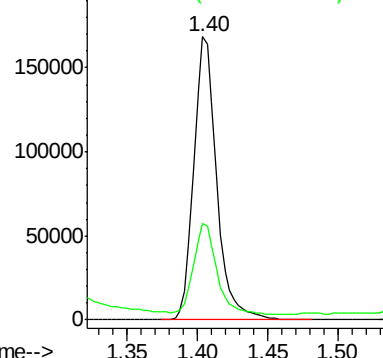
62 100

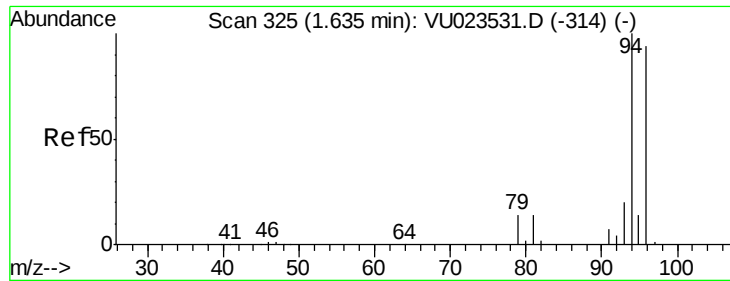
64 31.9 25.8 38.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5

Bromomethane

Concen: 10.40 ug/l

RT: 1.64 min Scan# 325

Delta R.T. 0.00 min

Lab File: VU023533.D

Acq: 30 Apr 2018 17:46

Instrument :

MSVOA_U

ClientSampleId :

ICVVU043018

Tot Ion: 94 Resp: 108064

Ion Ratio Lower Upper

94 100

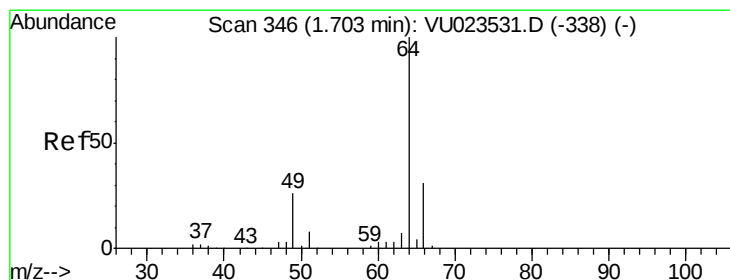
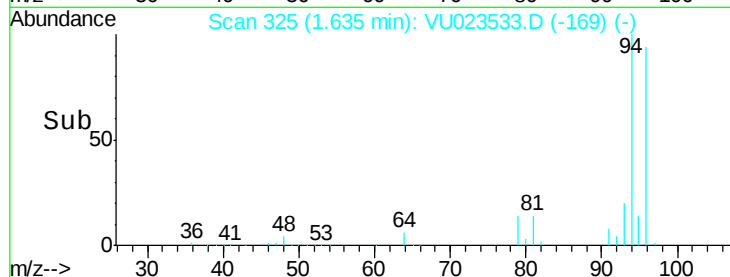
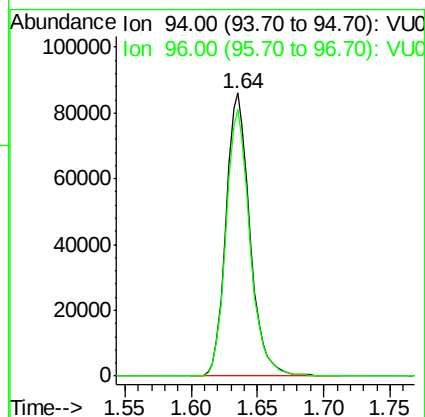
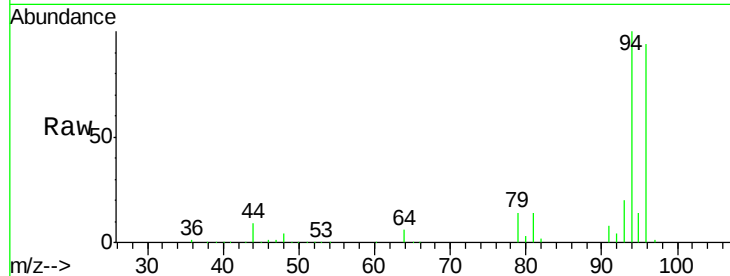
96 94.0 75.1 112.7

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#6

Chloroethane

Concen: 9.81 ug/l

RT: 1.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU023533.D

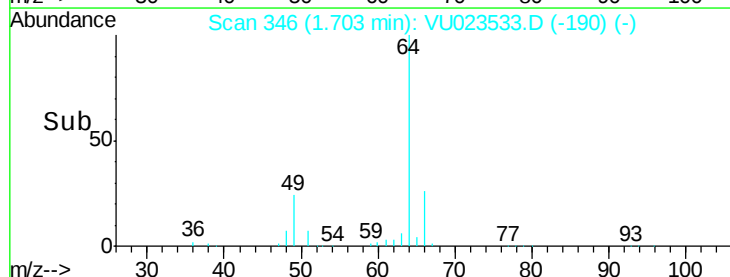
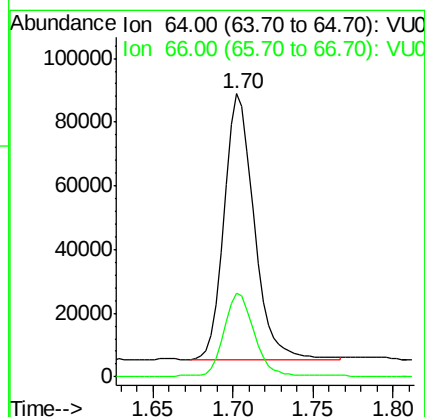
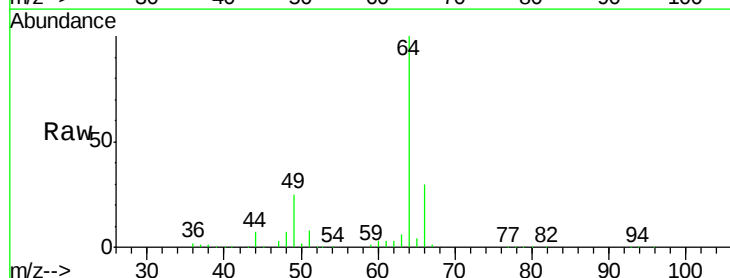
Acq: 30 Apr 2018 17:46

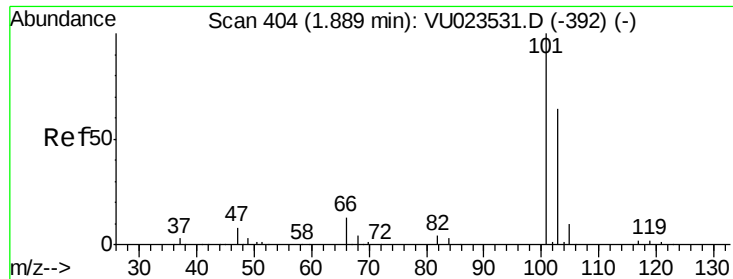
Tgt Ion: 64 Resp: 106163

Ion Ratio Lower Upper

64 100

66 31.2 24.9 37.3





#7

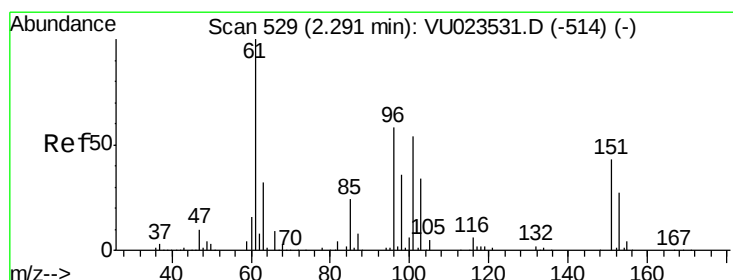
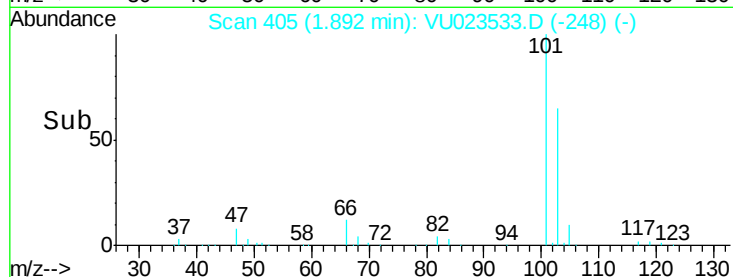
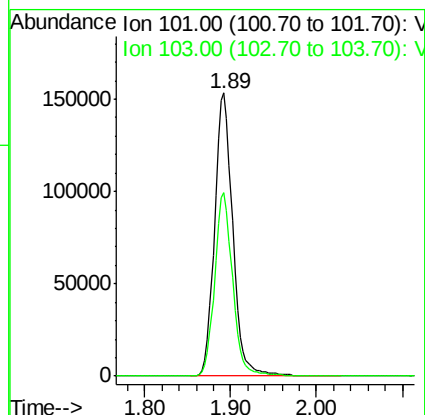
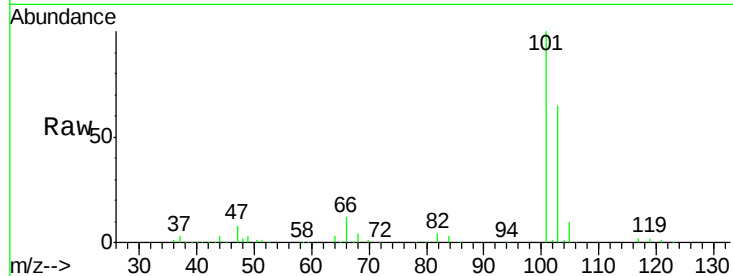
Trichlorofluoromethane
 Concen: 10.21 ug/l
 RT: 1.89 min Scan# 405
 Delta R.T. 0.00 min
 Lab File: VU023533.D
 Acq: 30 Apr 2018 17:46

Instrument :
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 ClientSampleId :
 ICVVU043018

Tot Ion:101 Resp: 227836
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.4 77.0

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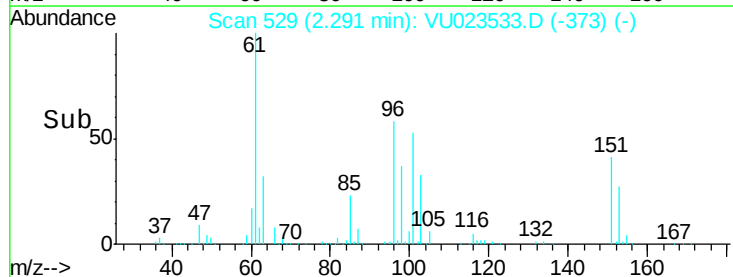
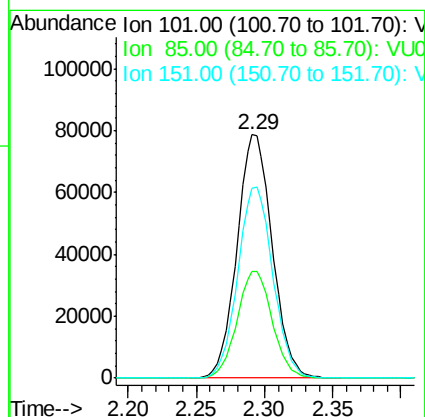
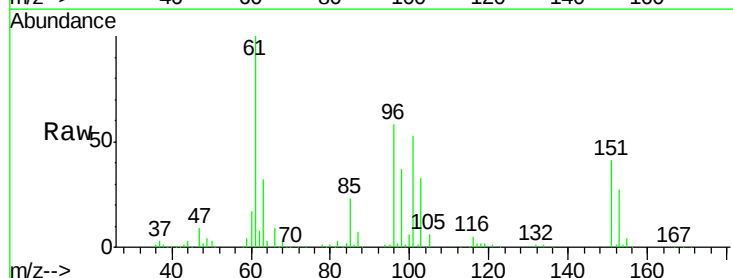
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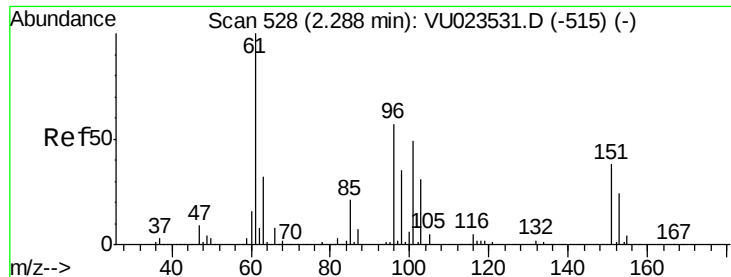


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 10.29 ug/l
 RT: 2.29 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VU023533.D
 Acq: 30 Apr 2018 17:46

Tgt Ion:101 Resp: 141013
 Ion Ratio Lower Upper
 101 100
 85 43.6 35.2 52.8
 151 78.4 63.5 95.3





#9

1,1-Dichloroethene

Concen: 10.38 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU023533.D

Acq: 30 Apr 2018 17:46

Instrument :

MSVOA_U

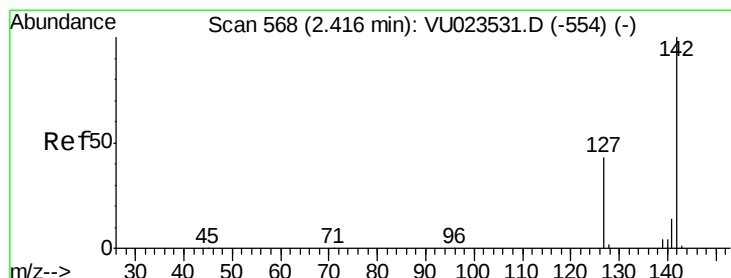
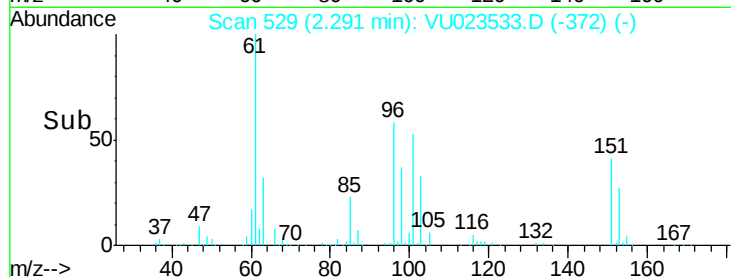
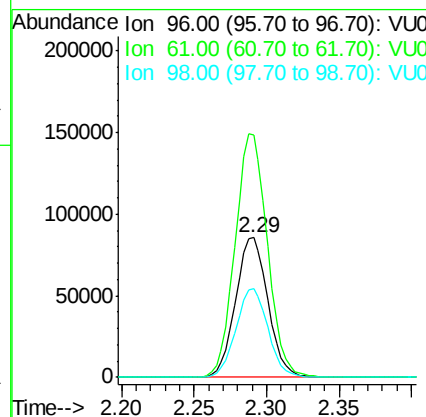
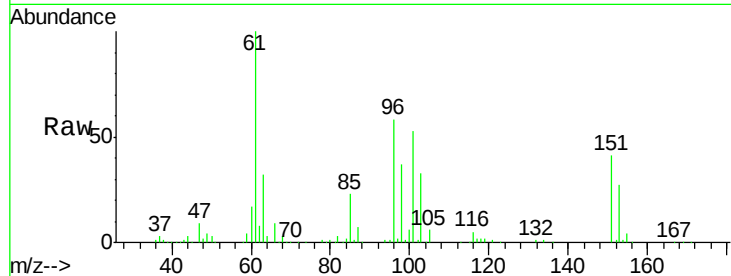
ClientSampleId :

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Tot Ion:	96	Resp:	132138
Ion Ratio	Lower	Upper	
96	100		
61	173.4	0.0	526.5
98	64.0	0.0	123.4

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#10

Iodomethane

Concen: 10.74 ug/l

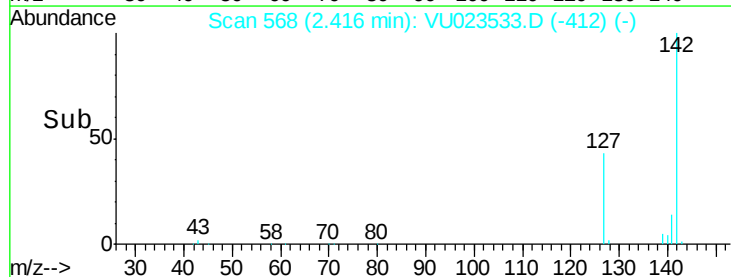
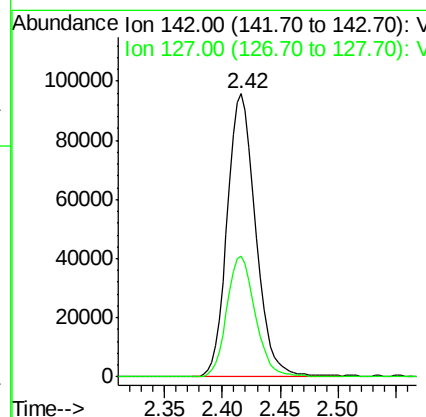
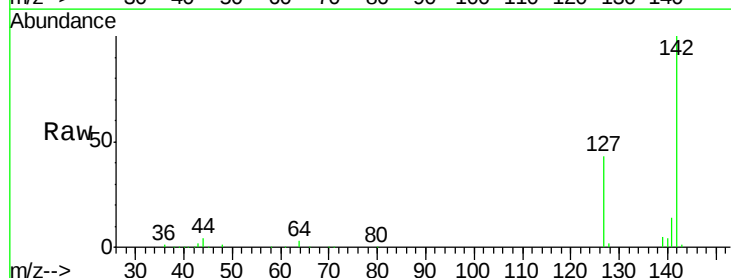
RT: 2.42 min Scan# 568

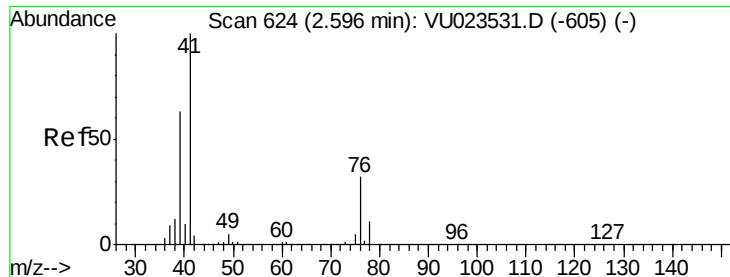
Delta R.T. 0.00 min

Lab File: VU023533.D

Acq: 30 Apr 2018 17:46

Tgt Ion:	142	Resp:	162436
Ion Ratio	Lower	Upper	
142	100		
127	42.8	34.5	51.7





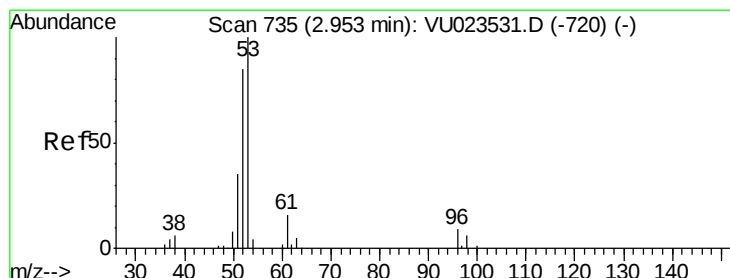
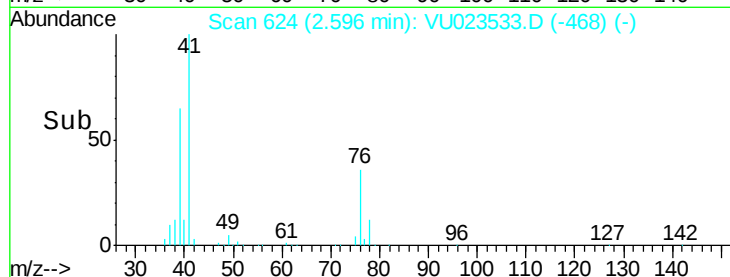
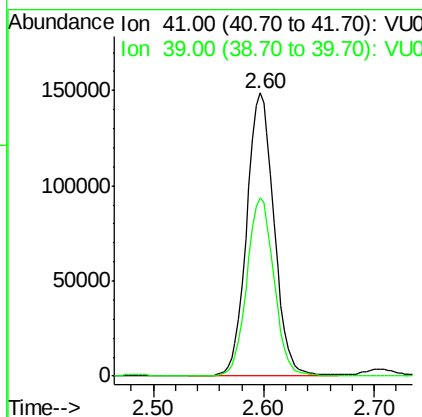
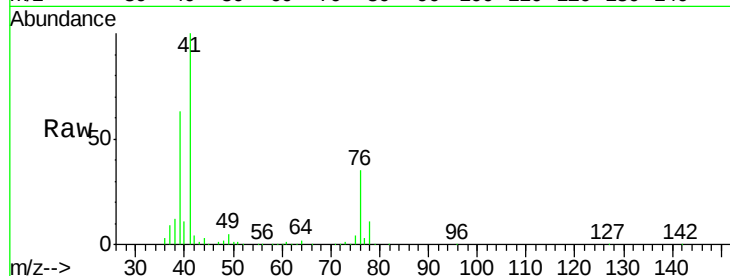
#11
Allvl Chloride
Concen: 10.93 ug/l
RT: 2.60 min Scan# 624
Delta R.T. 0.00 min
Lab File: VU023533.D
Acq: 30 Apr 2018 17:46

Instrument :
MSVOA_U
ClientSampleId :
ICVVU043018

Tot Ion	41	Resp	255560
Ion Ratio	100	Lower	Upper
39	62.1	51.4	77.2

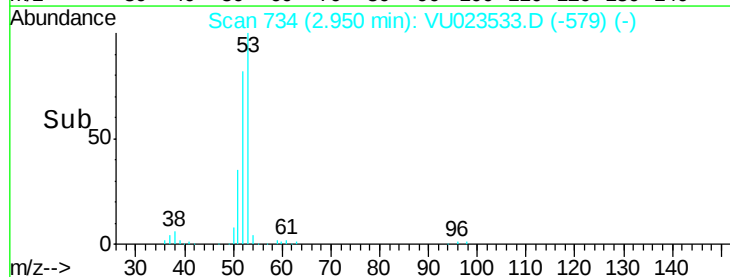
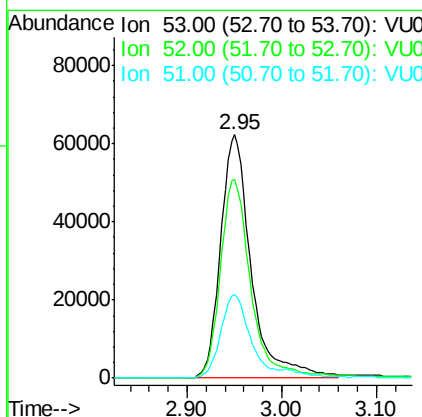
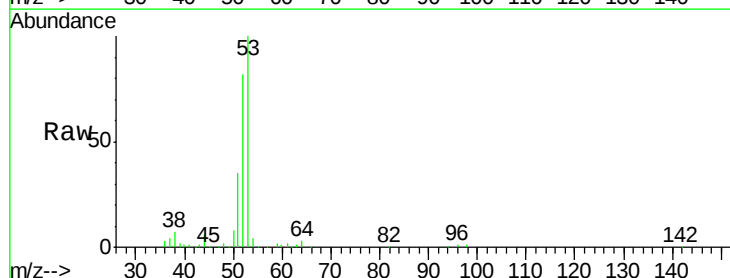
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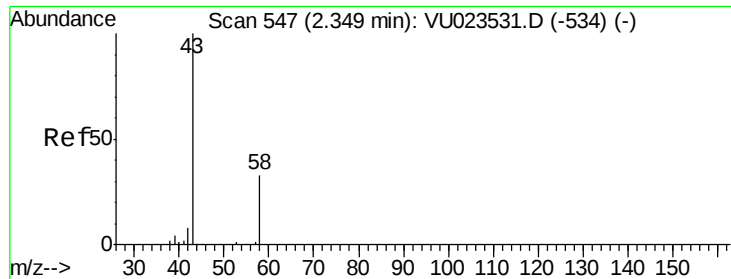
apatel
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#12
Acrylonitrile
Concen: 53.44 ug/l
RT: 2.95 min Scan# 734
Delta R.T. -0.00 min
Lab File: VU023533.D
Acq: 30 Apr 2018 17:46

Tgt Ion	53	Resp	140323
Ion Ratio	100	Lower	Upper
52	80.2	65.1	97.7
51	32.7	30.2	45.4





#13

Acetone

Concen: 73.58 ug/l

RT: 2.34 min Scan# 545

Delta R.T. -0.01 min

Lab File: VU023533.D

Acq: 30 Apr 2018 17:46

Instrument :

MSVOA_U

ClientSampleId :

ICVVU043018

Tot Ion: 43 Resp: 163980

Ion Ratio Lower Upper

43 100

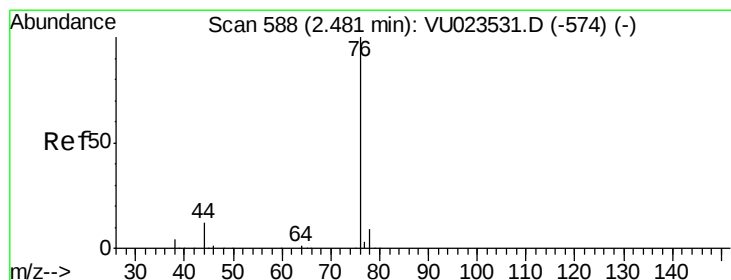
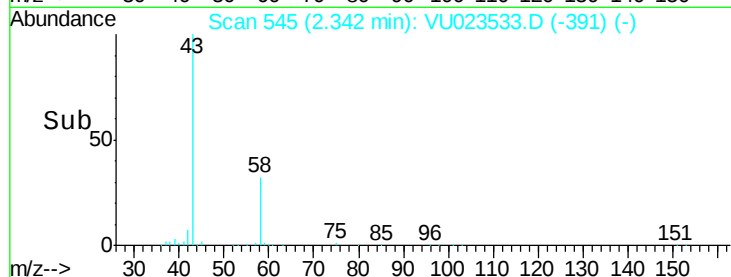
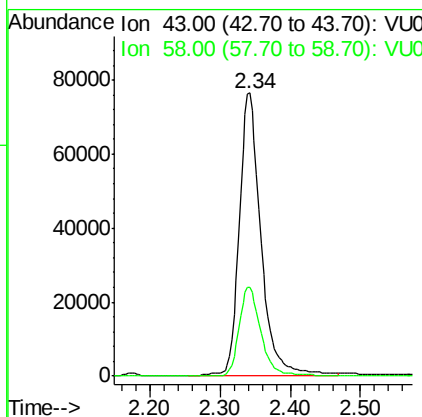
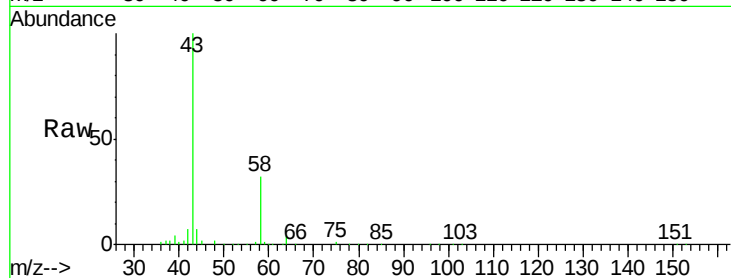
58 31.6 26.0 39.0

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#14

Carbon Disulfide

Concen: 10.30 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU023533.D

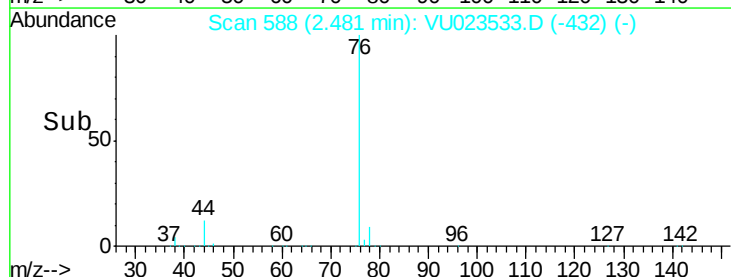
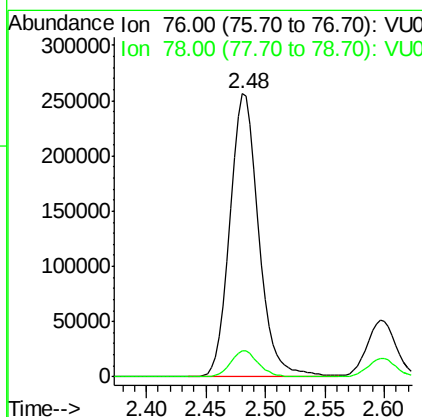
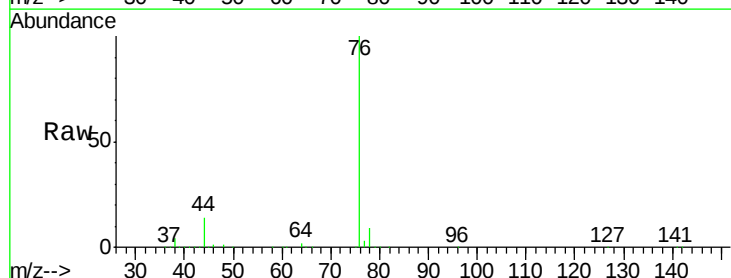
Acq: 30 Apr 2018 17:46

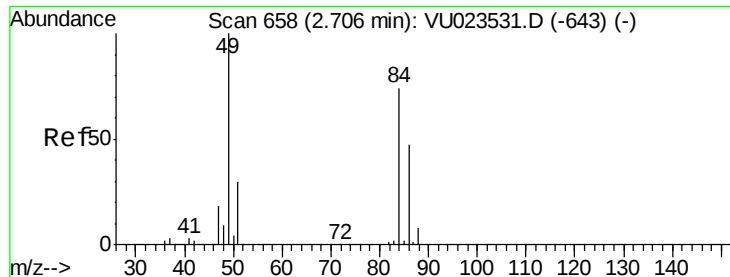
Tgt Ion: 76 Resp: 431317

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9





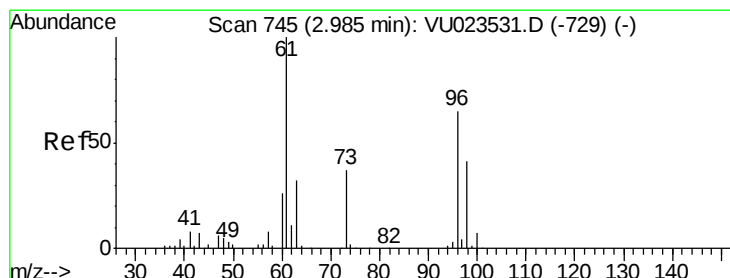
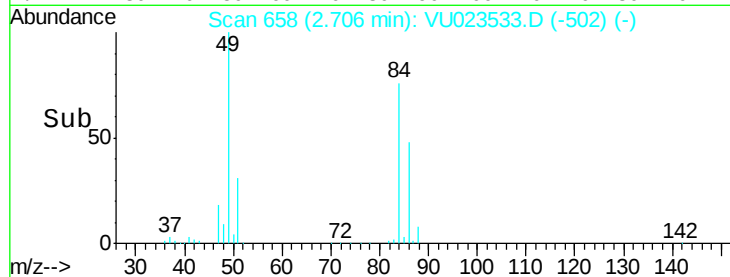
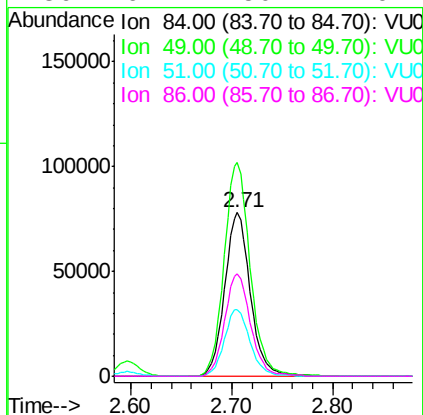
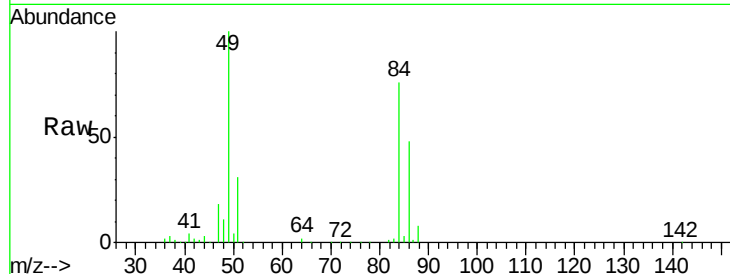
#15
Methvlene Chloride
Concen: 9.56 ug/l
RT: 2.71 min Scan# 658
Delta R.T. 0.00 min
Lab File: VU023533.D
Acq: 30 Apr 2018 17:46

Instrument :
MSVOA_U
ClientSampleId :
ICVVU043018

Tot Ion	Ratio	Lower	Upper
84	100		
49	130.8	108.7	163.1
51	41.1	0.0	82.4
86	62.7	50.7	76.1

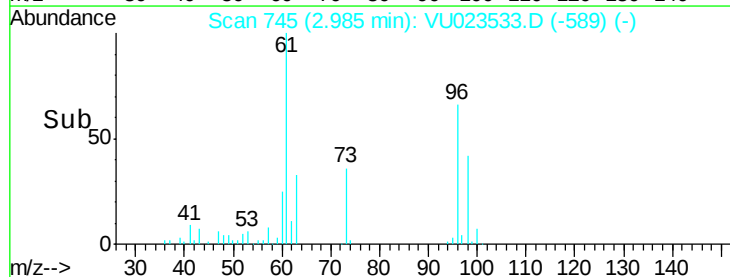
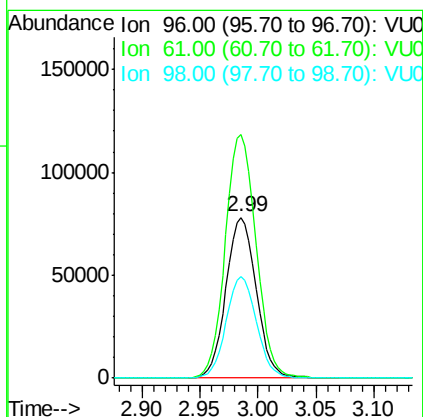
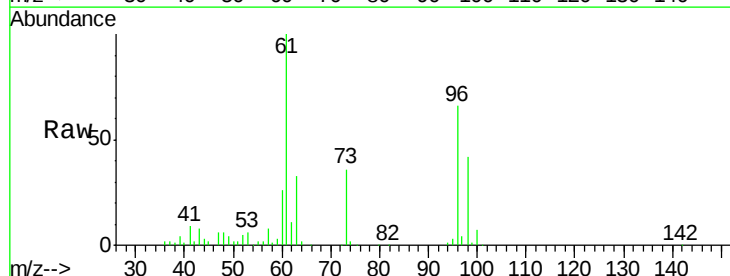
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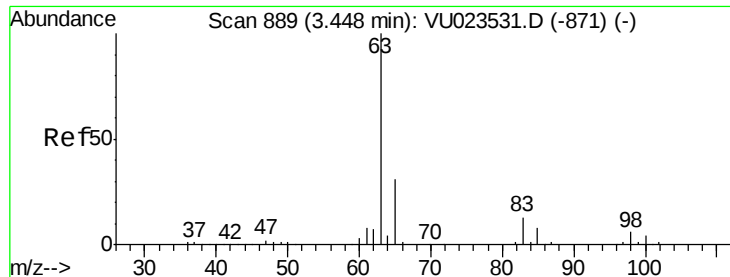
apatel
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#16
trans-1,2-Dichloroethene
Concen: 10.40 ug/l
RT: 2.99 min Scan# 745
Delta R.T. 0.00 min
Lab File: VU023533.D
Acq: 30 Apr 2018 17:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.5	123.9	185.9
98	63.0	50.6	76.0





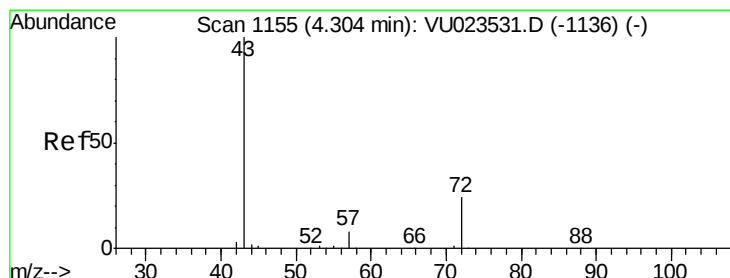
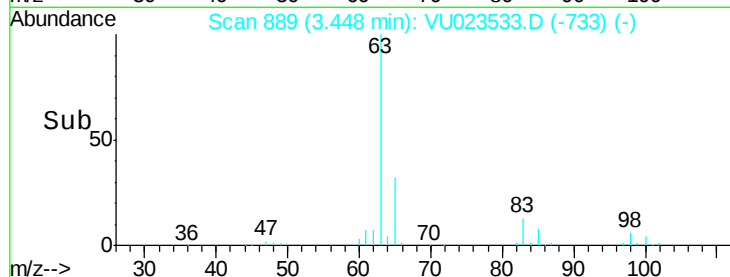
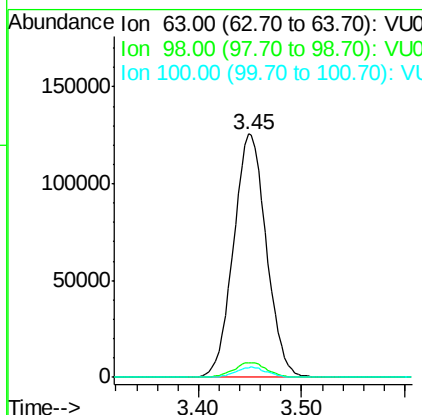
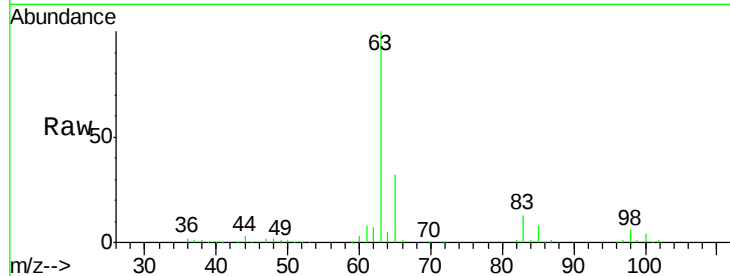
#17
 1,1-Dichloroethane
 Concen: 10.35 ug/l
 RT: 3.45 min Scan# 889
 Delta R.T. 0.00 min
 Lab File: VU023533.D
 Acq: 30 Apr 2018 17:46

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU043018

Tot Ion:	63	Resp:	277939
Ion Ratio	Lower	Upper	
63	100		
98	6.1	2.9	8.8
100	4.0	2.0	5.8

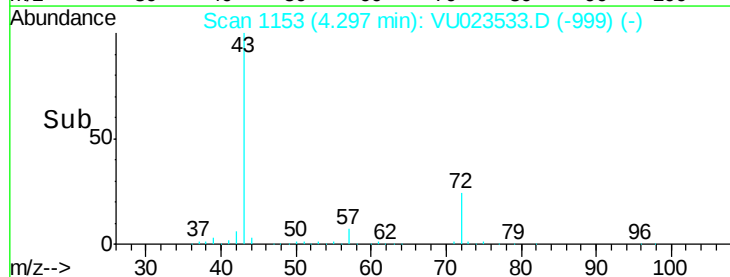
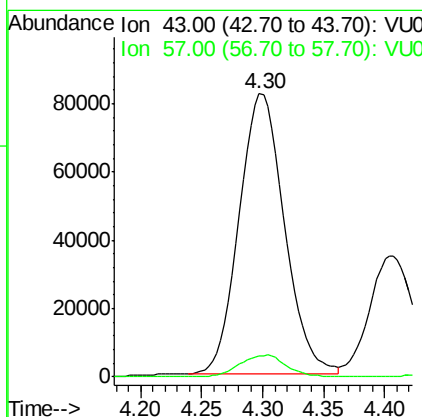
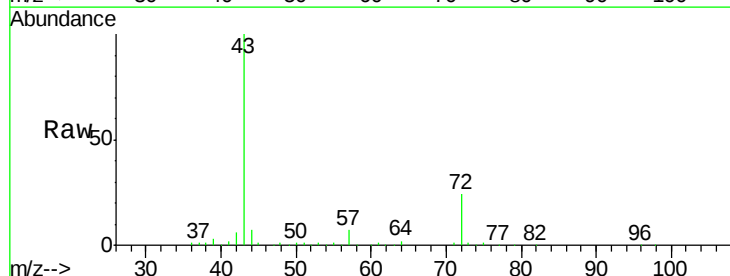
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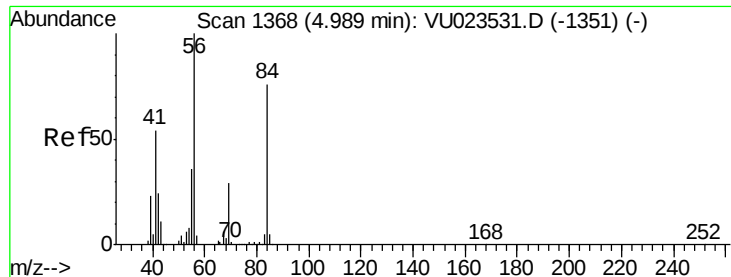
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#18
 2-Butanone
 Concen: 58.84 ug/l
 RT: 4.30 min Scan# 1153
 Delta R.T. -0.01 min
 Lab File: VU023533.D
 Acq: 30 Apr 2018 17:46

Tgt Ion:	43	Resp:	211887
Ion Ratio	Lower	Upper	
43	100		
57	7.4	0.0	15.8





#19

Cyclohexane

Concen: 10.28 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU023533.D

Acq: 30 Apr 2018 17:46

Instrument :

MSVOA_U

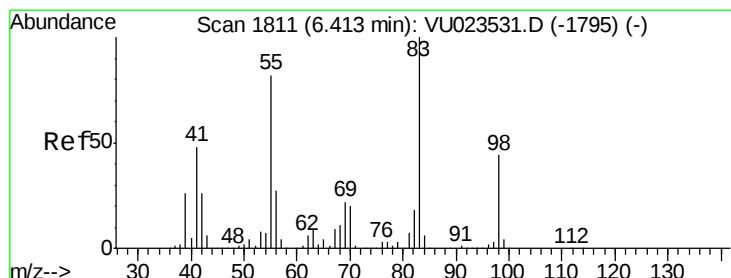
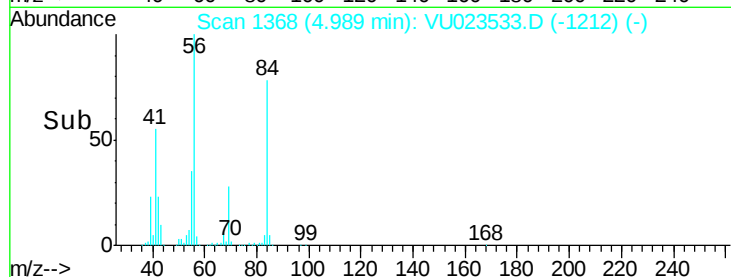
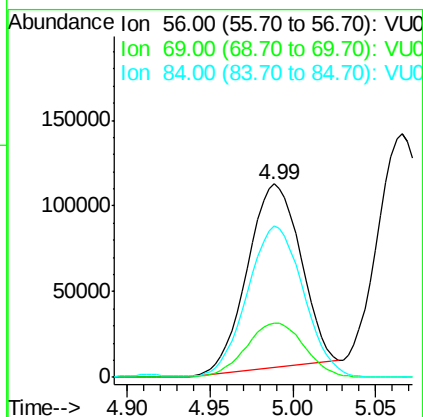
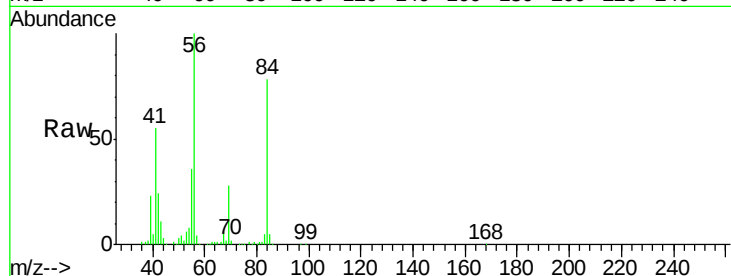
ClientSampleId :

ICVVU043018

Tot Ion:	56	Resp:	238568
Ion	Ratio	Lower	Upper
56	100		
69	32.8	26.0	39.0
84	86.2	68.3	102.5

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#20

Methylcyclohexane

Concen: 11.14 ug/l

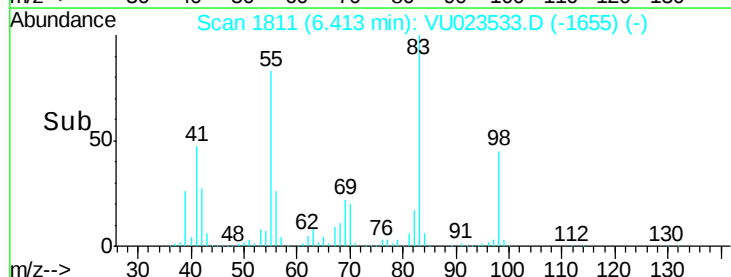
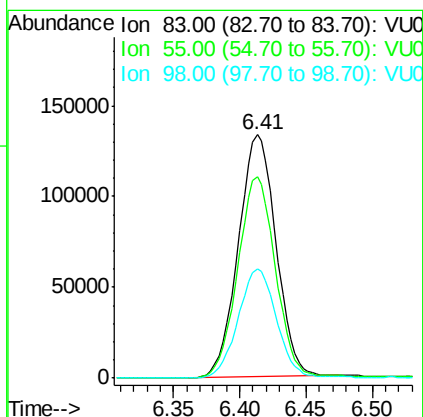
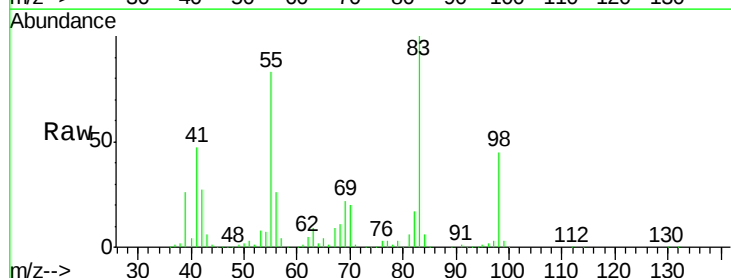
RT: 6.41 min Scan# 1811

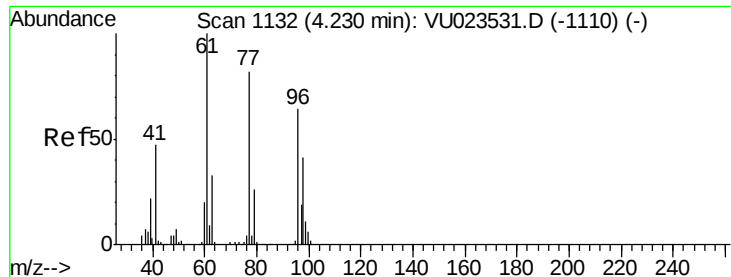
Delta R.T. 0.00 min

Lab File: VU023533.D

Acq: 30 Apr 2018 17:46

Tgt Ion:	83	Resp:	263689
Ion	Ratio	Lower	Upper
83	100		
55	82.4	66.4	99.6
98	45.2	35.4	53.2





#21

2,2-Dichloropropane

Concen: 10.49 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU023533.D

Acq: 30 Apr 2018 17:46

Instrument :

MSVOA_U

ClientSampleId :

ICVVU043018

Tot Ion: 77 Resp: 22335

Ion Ratio Lower Upper

77 100

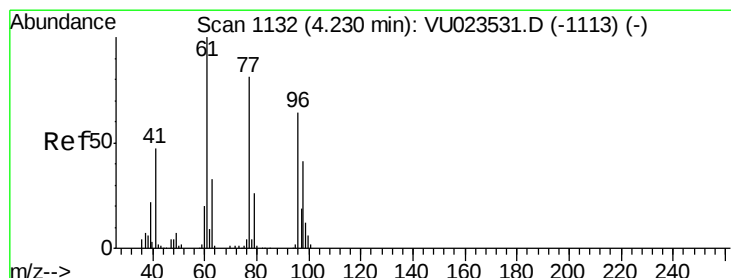
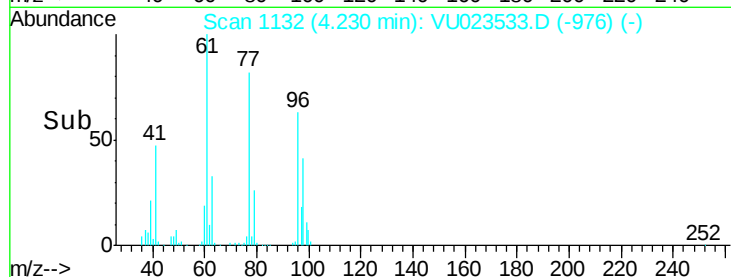
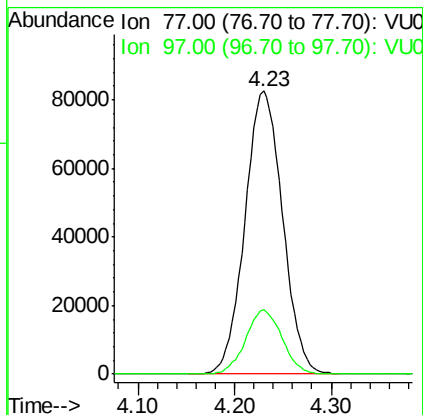
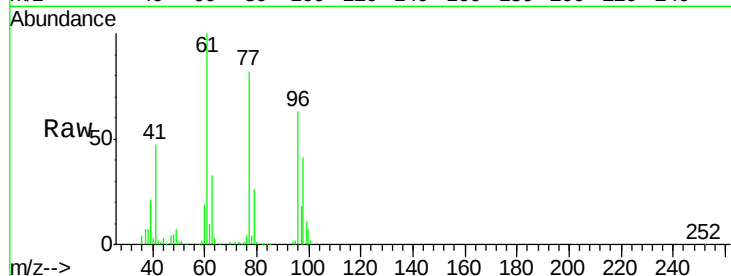
97 22.0 17.9 26.9

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#22

cis-1,2-Dichloroethene

Concen: 10.43 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU023533.D

Acq: 30 Apr 2018 17:46

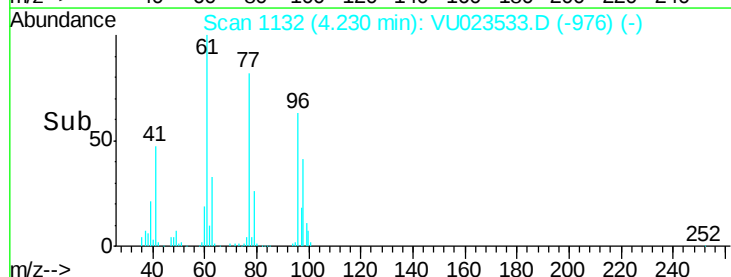
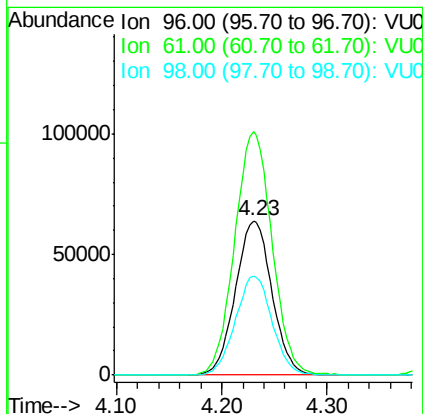
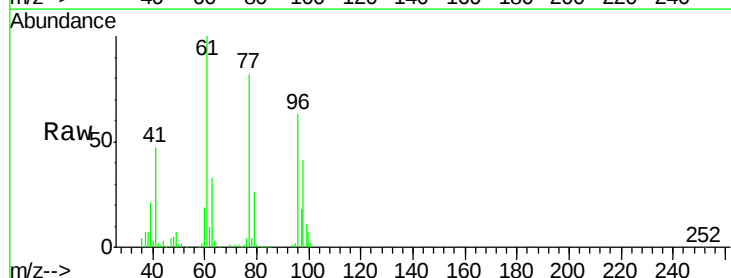
Tgt Ion: 96 Resp: 153849

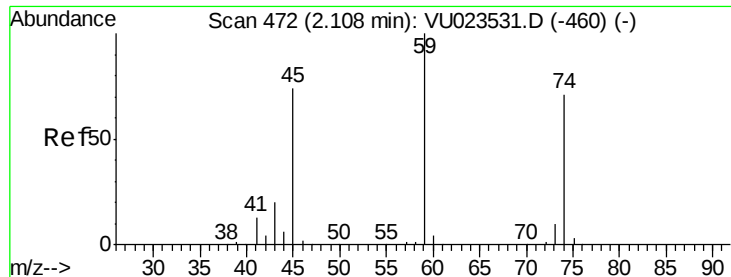
Ion Ratio Lower Upper

96 100

61 161.7 0.0 400.5

98 64.6 32.2 96.6





#23

Diethyl Ether

Concen: 10.32 ug/l

RT: 2.11 min Scan# 472

Delta R.T. 0.00 min

Lab File: VU023533.D

Acq: 30 Apr 2018 17:46

Instrument :

MSVOA_U

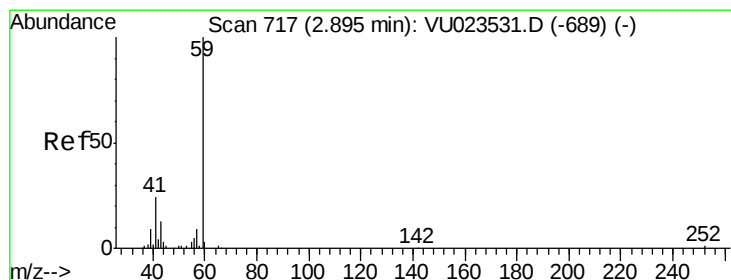
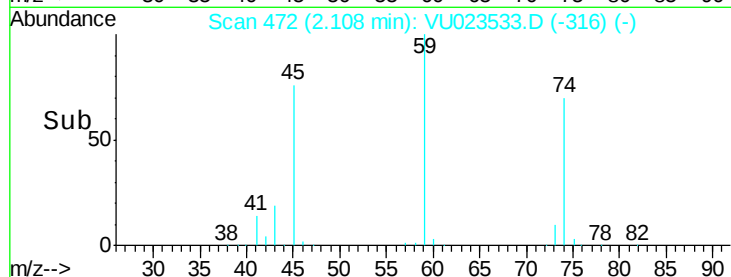
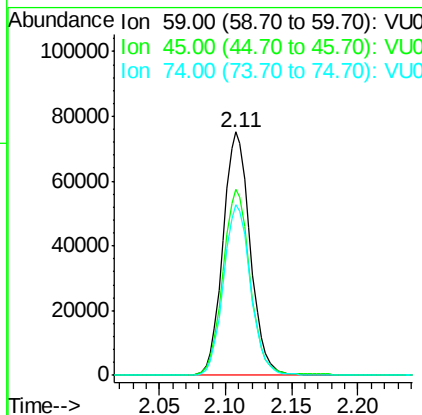
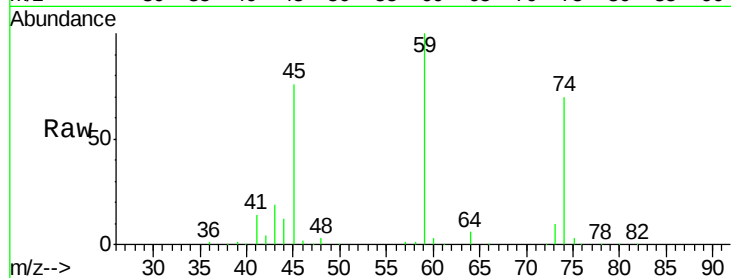
ClientSampleId :

ICVVU043018

Tot Ion:	59	Resp:	107312
Ion	Ratio	Lower	Upper
59	100		
45	76.1	60.0	90.0
74	69.7	56.5	84.7

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#24

tert-Butyl Alcohol

Concen: 55.67 ug/l

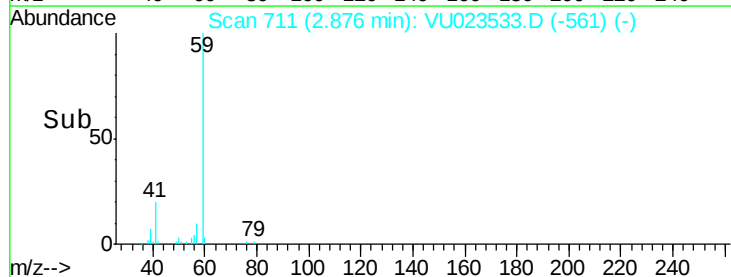
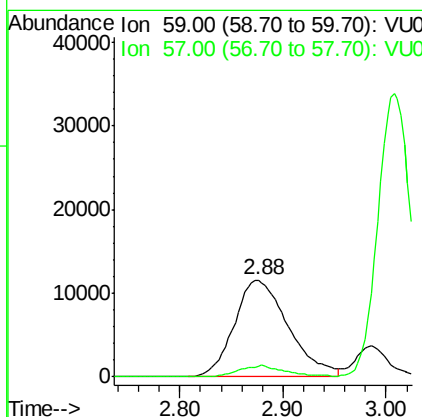
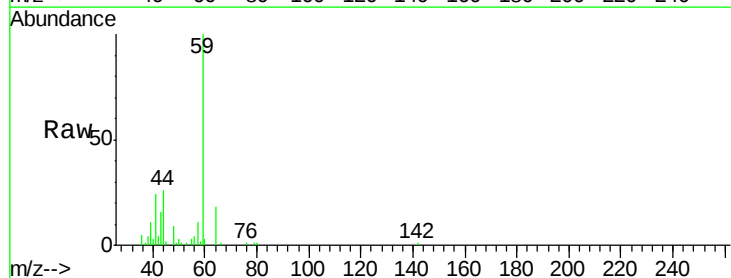
RT: 2.88 min Scan# 711

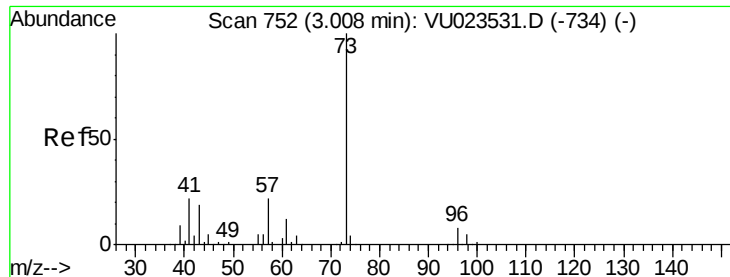
Delta R.T. -0.02 min

Lab File: VU023533.D

Acq: 30 Apr 2018 17:46

Tgt Ion:	59	Resp:	42156
Ion	Ratio	Lower	Upper
59	100		
57	10.3	3.4	5.2#





#25

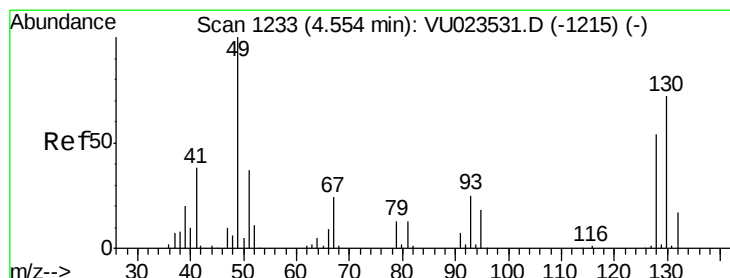
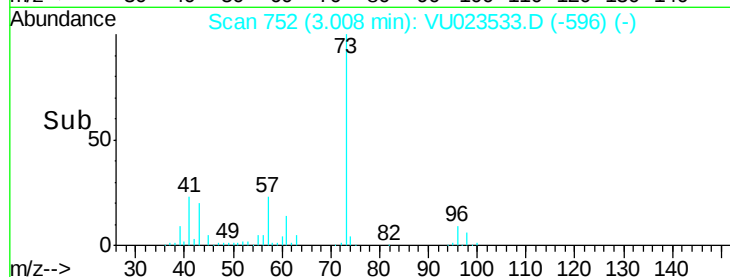
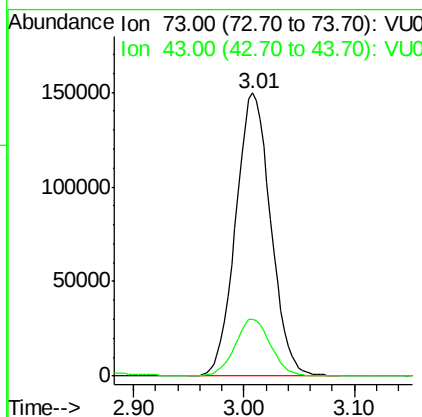
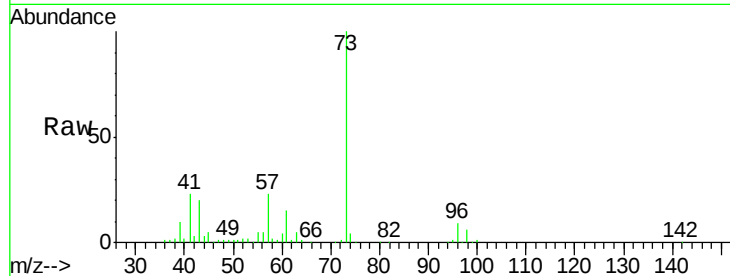
Methyl tert-Butyl Ether
Concen: 10.30 ug/l
RT: 3.01 min Scan# 752
Delta R.T. 0.00 min
Lab File: VU023533.D
Acq: 30 Apr 2018 17:46

Instrument :
MSVOA_U
ClientSampleId :
ICVVU043018

Tot Ion	73	Resp	329405
Ion Ratio	Lower	Upper	
73	100		
43	20.1	16.2	24.2

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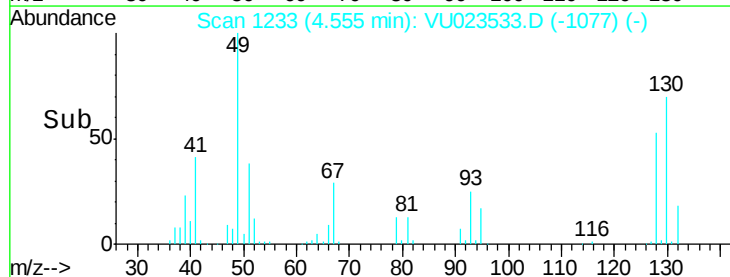
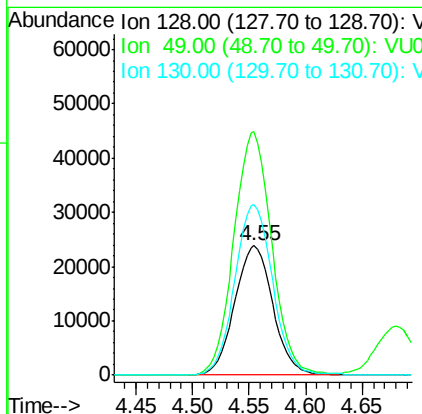
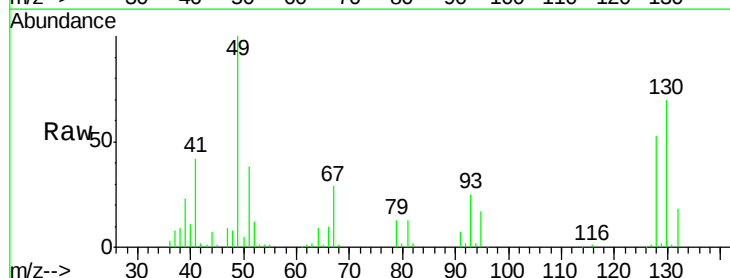
apatel
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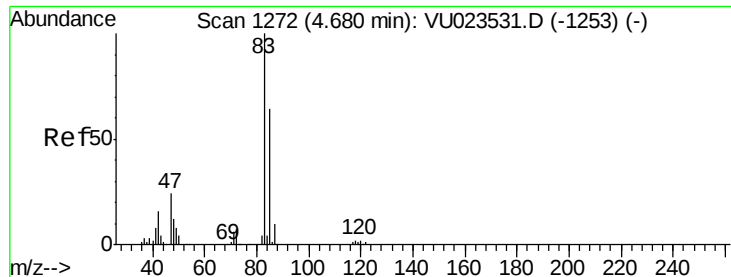


#26

Bromochloromethane
Concen: 9.62 ug/l
RT: 4.55 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU023533.D
Acq: 30 Apr 2018 17:46

Tgt Ion	128	Resp	56052
Ion Ratio	Lower	Upper	
128	100		
49	186.4	0.0	375.2
130	131.1	105.8	158.6





#27

Chloroform

Concen: 10.01 ug/l

RT: 4.68 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VU023533.D

Acq: 30 Apr 2018 17:46

Instrument :

MSVOA_U

ClientSampleId :

ICVVU043018

Tot Ion: 83 Resp: 253047

Ion Ratio Lower Upper

83 100

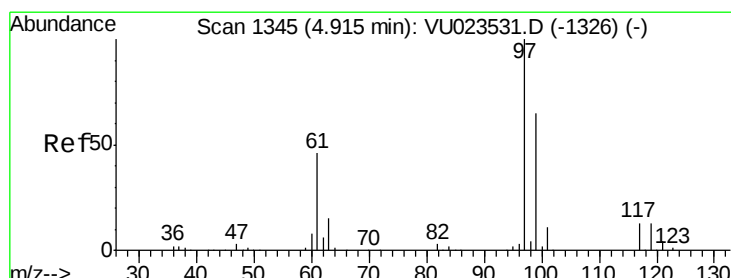
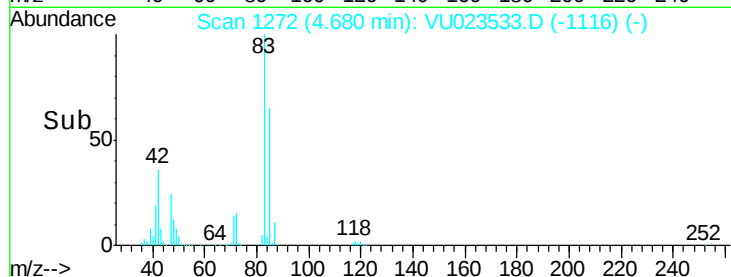
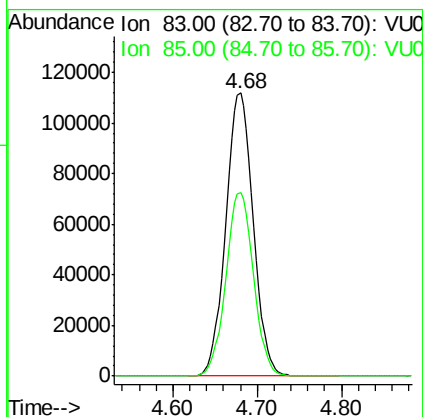
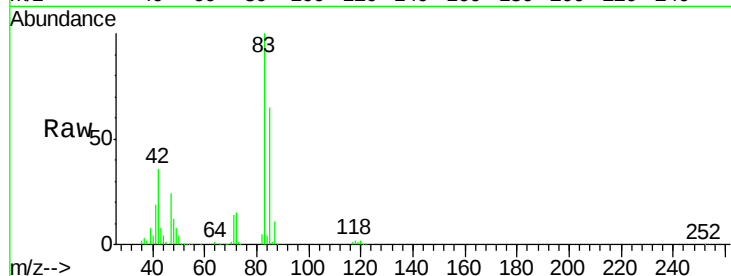
85 64.9 0.0 128.4

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#28

1,1,1-Trichloroethane

Concen: 10.50 ug/l

RT: 4.91 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VU023533.D

Acq: 30 Apr 2018 17:46

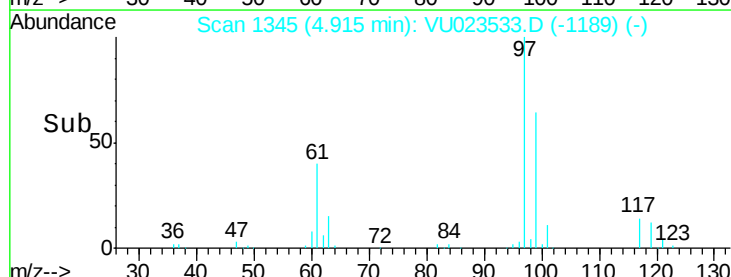
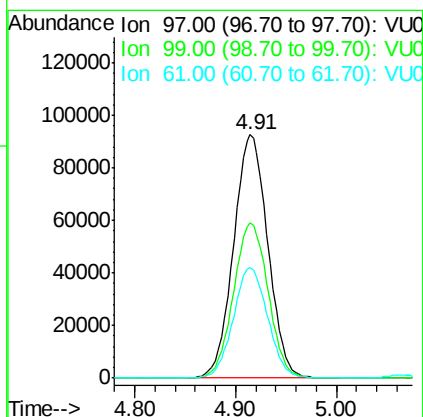
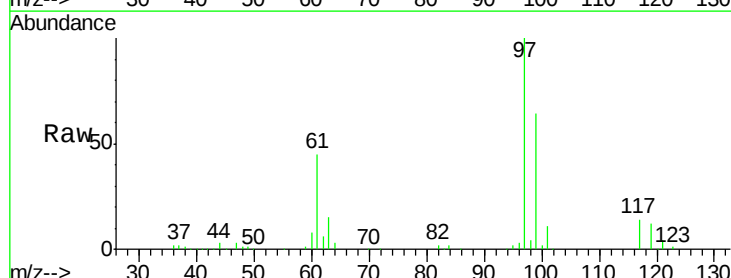
Tgt Ion: 97 Resp: 217914

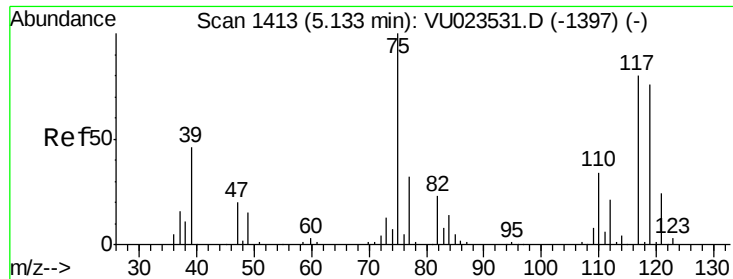
Ion Ratio Lower Upper

97 100

99 64.5 32.3 96.9

61 45.7 23.2 69.5





#29

1,1-Dichloropropene

Concen: 10.23 ug/l

RT: 5.13 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VU023533.D

Acq: 30 Apr 2018 17:46

Instrument :

MSVOA_U

ClientSampleId :

ICVVU043018

Tot Ion: 75 Resp: 208332

Ion Ratio Lower Upper

75 100

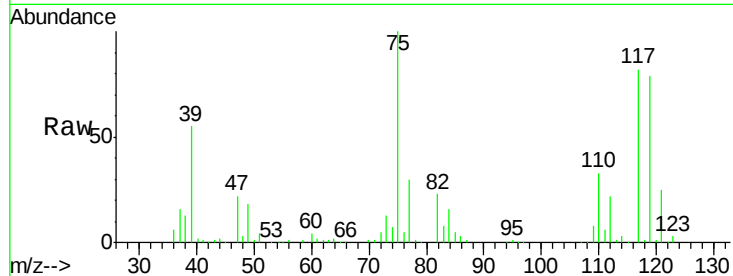
110 33.5 16.9 50.7

77 30.3 24.8 37.2

Manual Integrations
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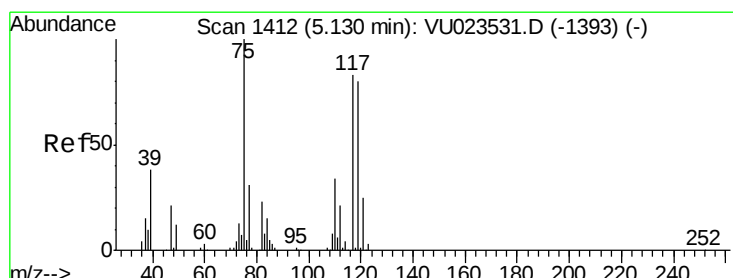
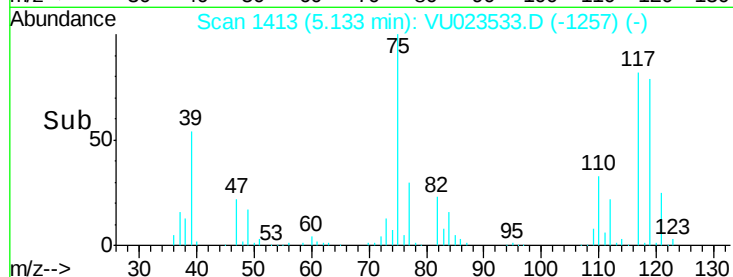
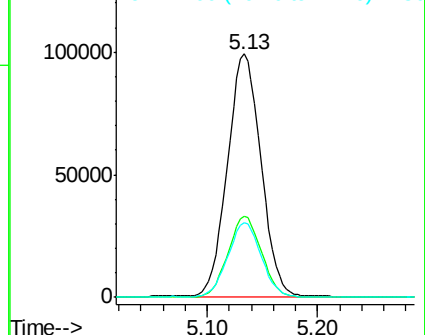
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Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VU0



#30

Carbon Tetrachloride

Concen: 10.67 ug/l

RT: 5.13 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VU023533.D

Acq: 30 Apr 2018 17:46

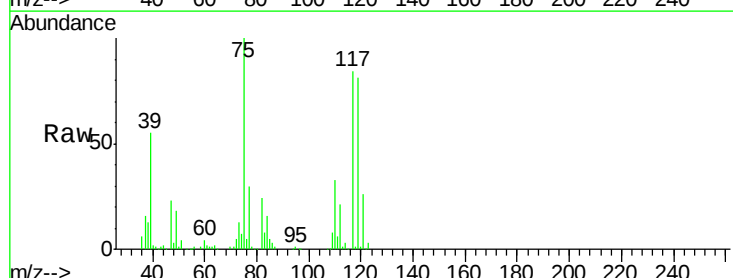
Tgt Ion: 117 Resp: 186298

Ion Ratio Lower Upper

117 100

119 96.6 77.3 115.9

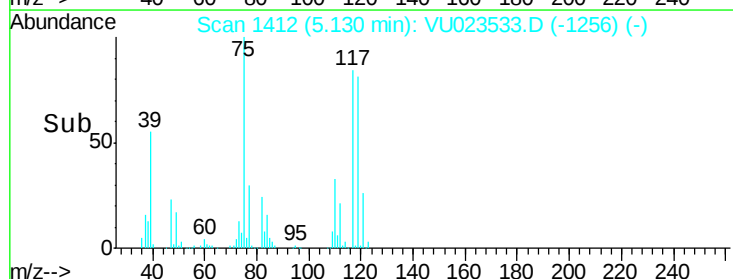
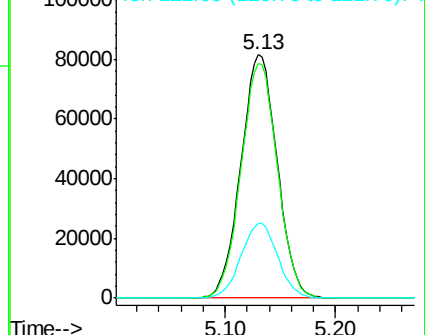
121 30.4 24.5 36.7

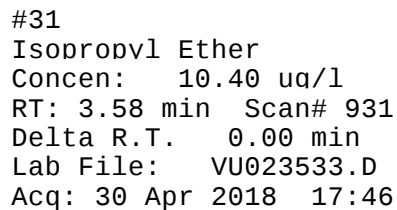


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



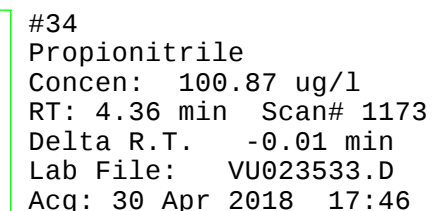
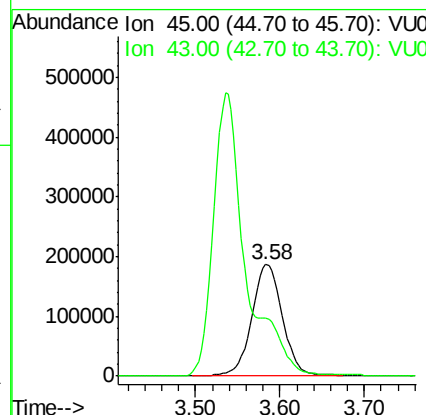


Instrument :
MSVOA_U
ClientSampleId :
ICVVU043018

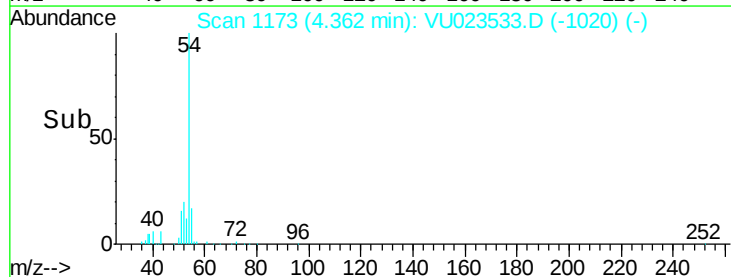
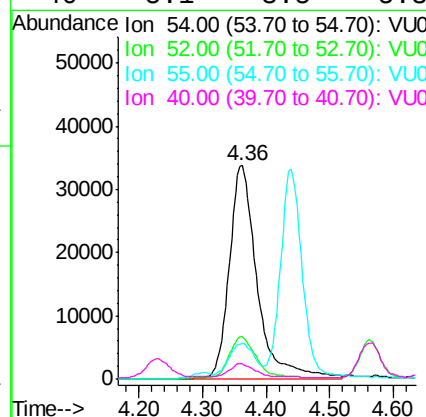
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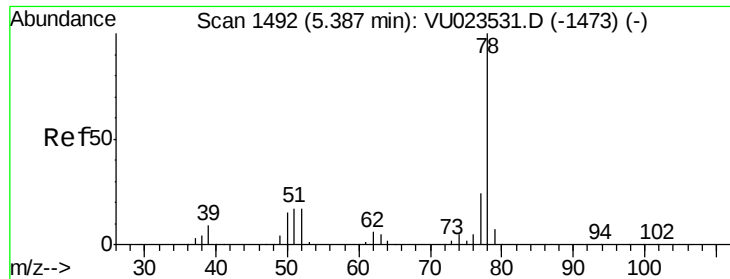
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Tot	Ion: 45	Resp:	471276
Ion	Ratio	Lower	Upper
45	100		
43	231.3	24.0	72.0#



Tgt	Ion: 54	Resp:	103432
Ion	Ratio	Lower	Upper
54	100		
52	20.3	13.7	20.5
55	15.3	10.2	15.2#
40	5.1	3.5	5.3





#35

Benzene

Concen: 10.77 ug/l

RT: 5.39 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VU023533.D

Acq: 30 Apr 2018 17:46

Instrument :

MSVOA_U

ClientSampleId :

ICVVU043018

Tot Ion: 78 Resp: 651281

Ion Ratio Lower Upper

78 100

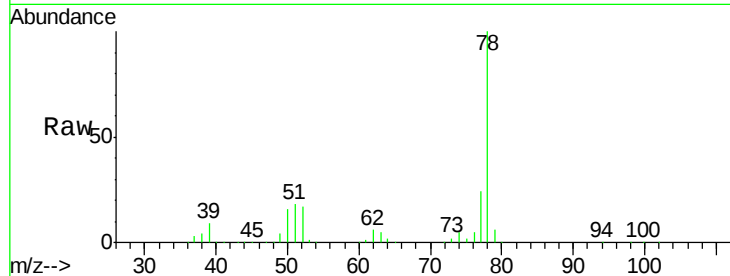
77 24.1 19.1 28.7

Manual Integrations

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Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0

300000

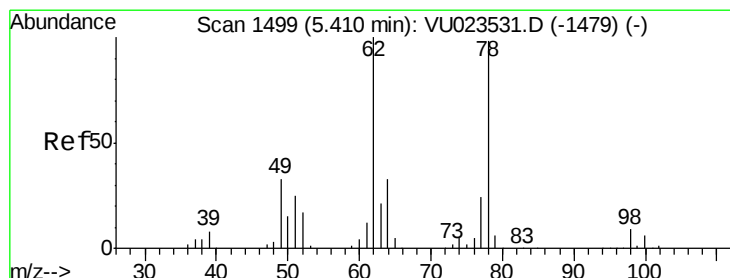
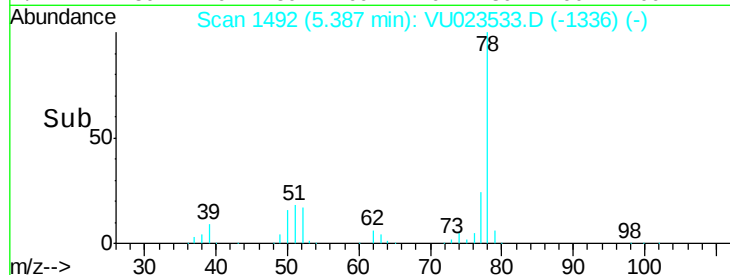
200000

100000

0

5.30 5.40 5.50

Time-->



#36

1,2-Dichloroethane

Concen: 10.27 ug/l

RT: 5.41 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VU023533.D

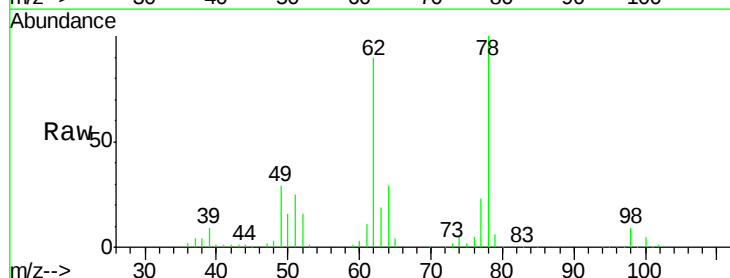
Acq: 30 Apr 2018 17:46

Tgt Ion: 62 Resp: 175742

Ion Ratio Lower Upper

62 100

98 8.9 7.2 10.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

100000

80000

60000

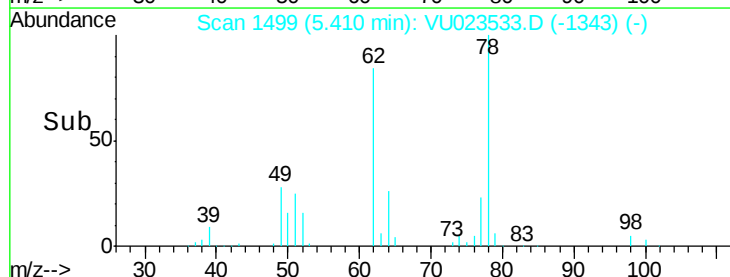
40000

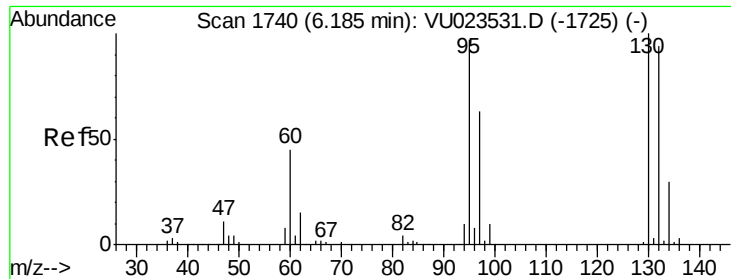
20000

0

5.30 5.35 5.40 5.45 5.50

Time-->





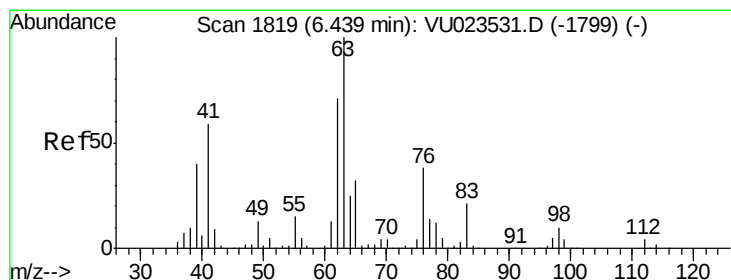
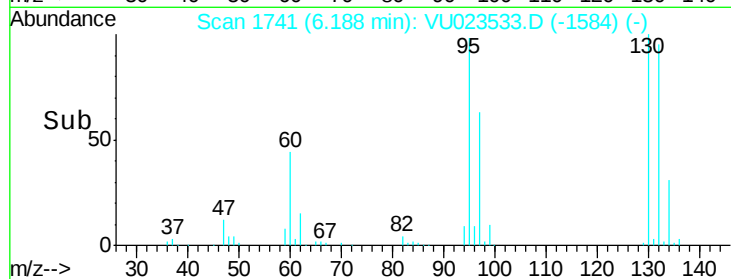
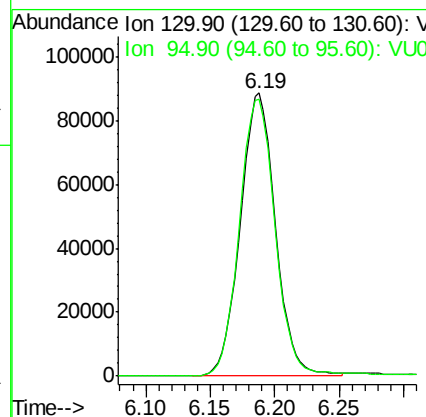
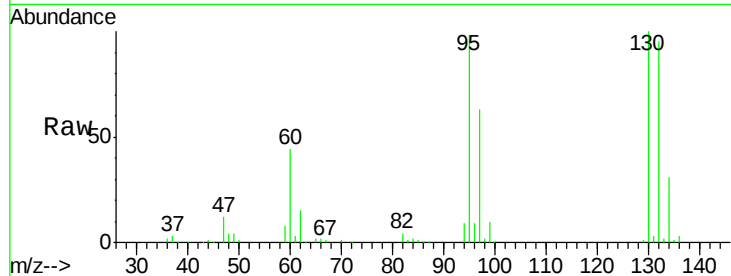
#37
 Trichloroethene
 Concen: 10.34 ug/l
 RT: 6.19 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VU023533.D
 Acq: 30 Apr 2018 17:46

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU043018

Tot Ion	Ratio	Resp	Lower	Upper
130	100	167953		
95	98.1	77.9	116.9	

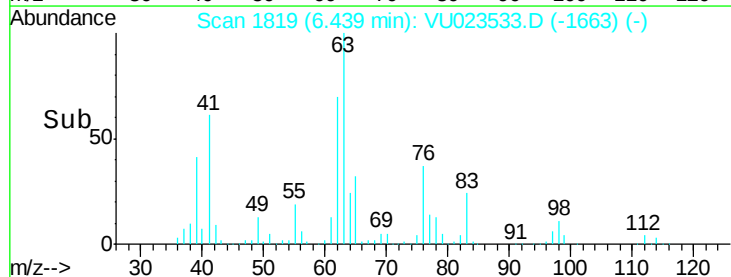
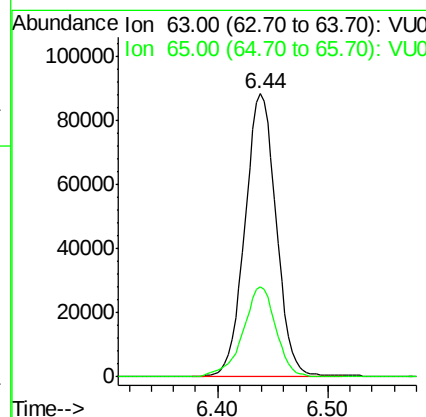
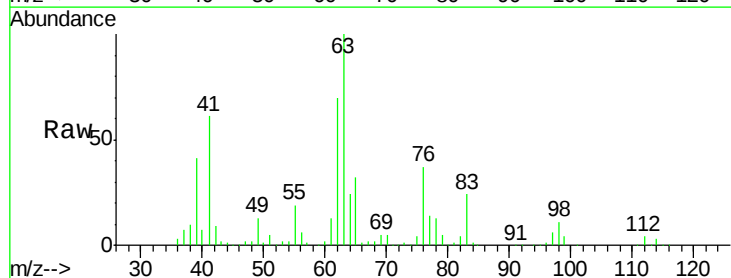
Manual Integrations
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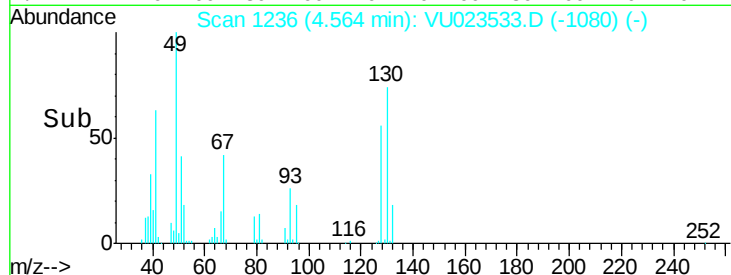
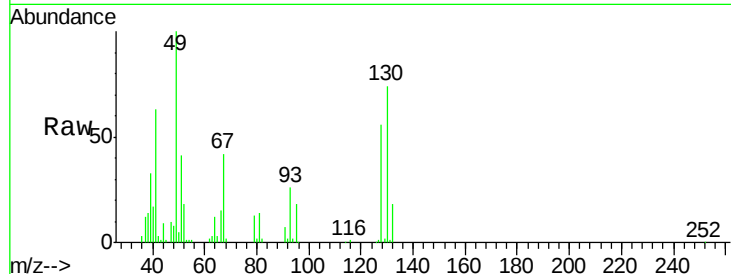
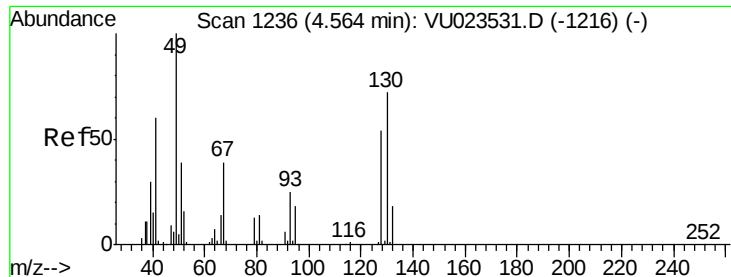
apatel
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#38
 1,2-Dichloropropane
 Concen: 10.48 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: VU023533.D
 Acq: 30 Apr 2018 17:46

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	173952		
65	31.8	25.8	38.8	





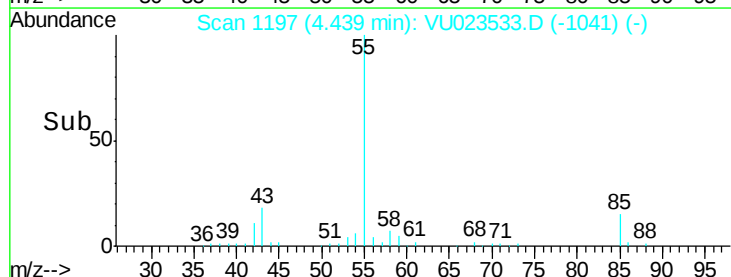
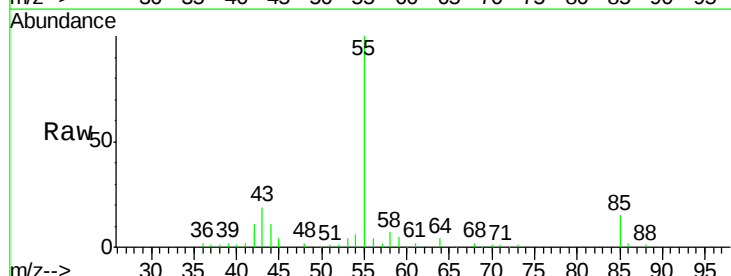
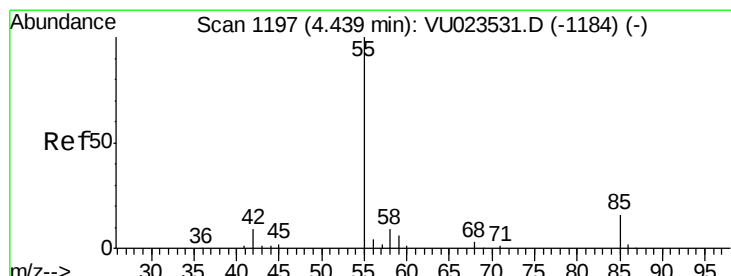
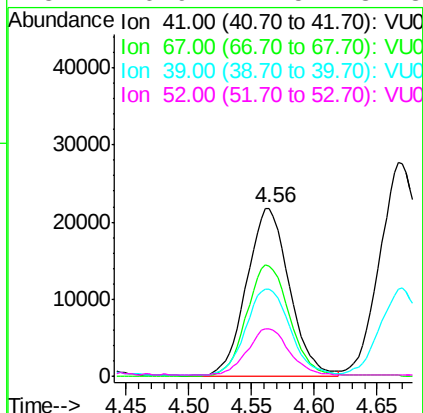
#39
Methacrylonitrile
Concen: 9.90 ug/l
RT: 4.56 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VU023533.D
Acq: 30 Apr 2018 17:46

Tot Ion	41	Resp	51913
Ion	Ratio	Lower	Upper
41	100		
67	66.3	51.3	76.9
39	52.6	40.6	60.8
52	26.9	21.5	32.3

Instrument :
MSVOA_U
ClientSampleId :
ICVVU043018

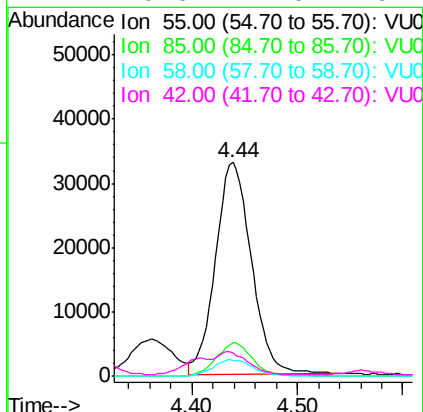
Manual Integrations
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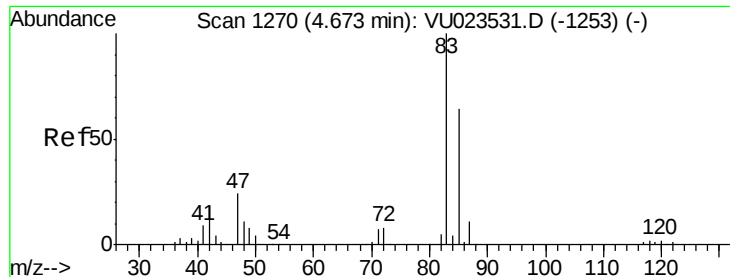
apatel
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#40
Methyl acrylate
Concen: 10.75 ug/l
RT: 4.44 min Scan# 1197
Delta R.T. 0.00 min
Lab File: VU023533.D
Acq: 30 Apr 2018 17:46

Tgt Ion	55	Resp	78178
Ion	Ratio	Lower	Upper
55	100		
85	15.6	12.3	18.5
58	8.4	7.0	10.6
42	9.6	7.0	10.4





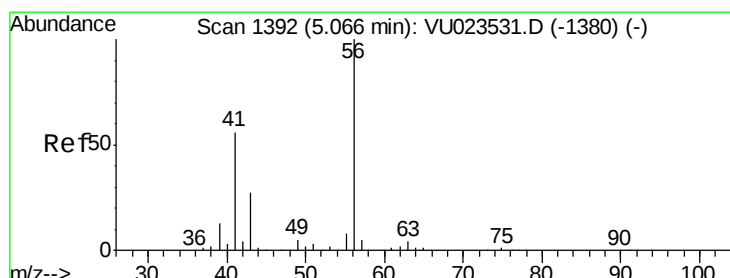
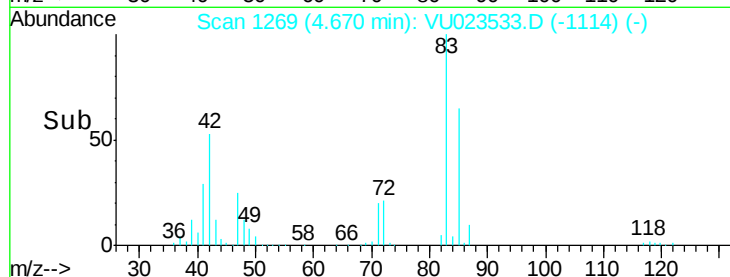
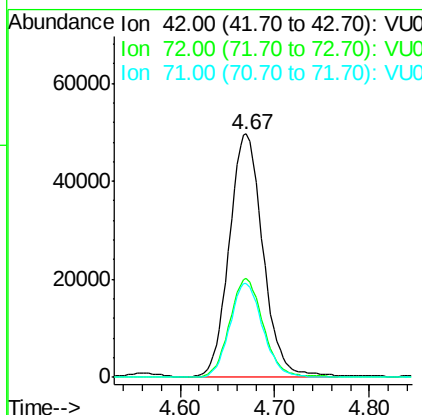
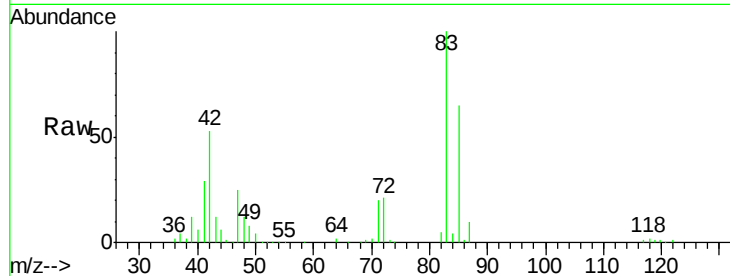
#41
Tetrahydrofuran
Concen: 45.29 ug/l
RT: 4.67 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VU023533.D
Acq: 30 Apr 2018 17:46

Instrument :
MSVOA_U
ClientSampleId :
ICVVU043018

Tot Ion	42	Resp	122348
Ion	Ratio	Lower	Upper
42	100		
72	40.8	33.2	49.8
71	37.9	29.8	44.8

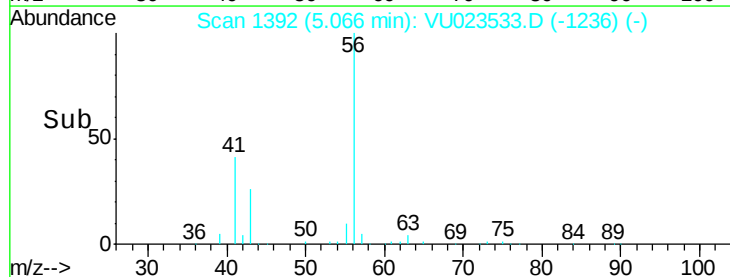
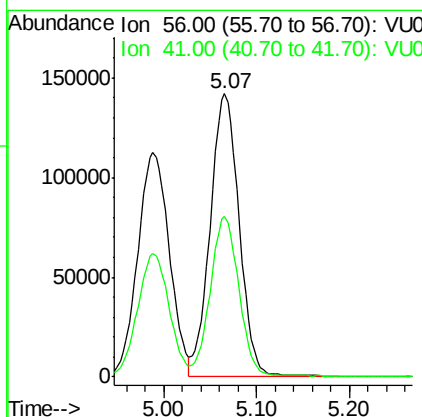
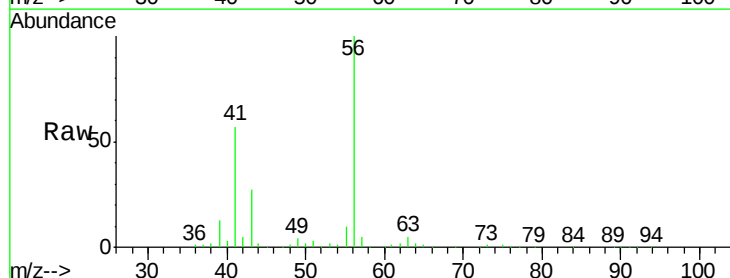
Manual Integrations
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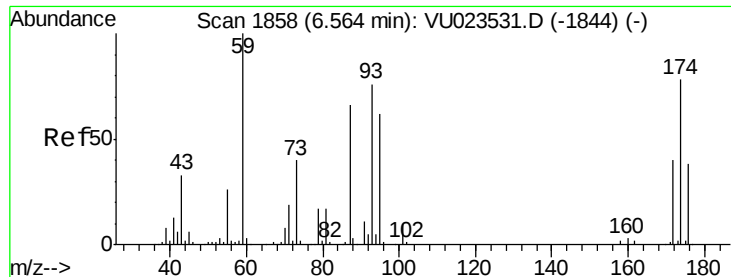
apatel
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#42
1-Chlorobutane
Concen: 10.38 ug/l
RT: 5.07 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VU023533.D
Acq: 30 Apr 2018 17:46

Tgt Ion	56	Resp	306241
Ion	Ratio	Lower	Upper
56	100		
41	55.8	27.5	82.5





#43

Dibromomethane

Concen: 10.54 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU023533.D

Acq: 30 Apr 2018 17:46

Instrument :

MSVOA_U

ClientSampleId :

ICVVU043018

Tot Ion: 93 Resp: 75193

Ion Ratio Lower Upper

93 100

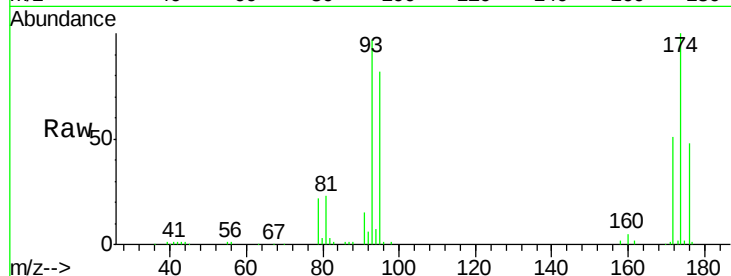
95 84.2 67.2 100.8

174 104.0 82.8 124.2

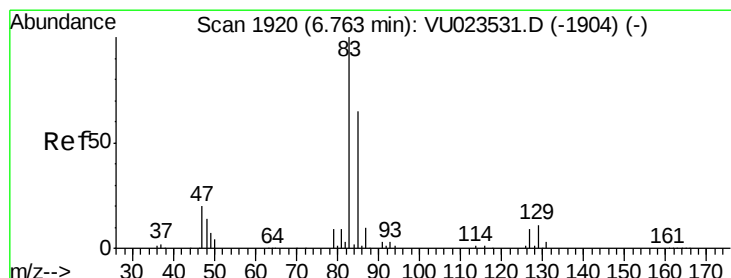
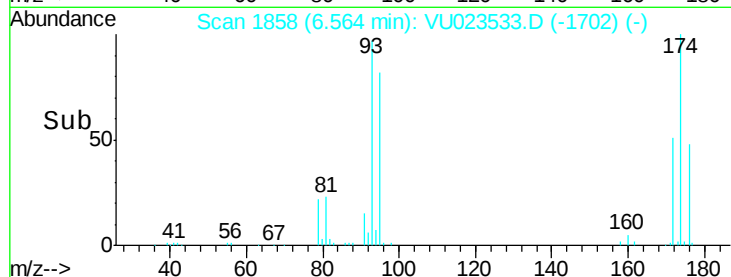
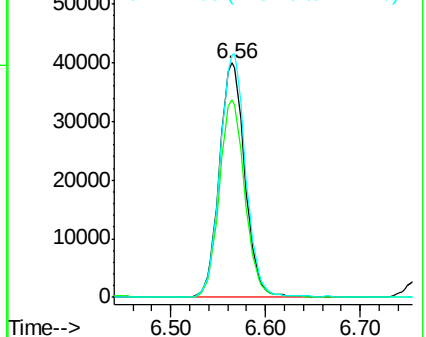
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Abundance Ion 93.00 (92.70 to 93.70): VU0
Ion 95.00 (94.70 to 95.70): VU0
Ion 174.00 (173.70 to 174.70): V



#44

Bromodichloromethane

Concen: 10.69 ug/l

RT: 6.76 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VU023533.D

Acq: 30 Apr 2018 17:46

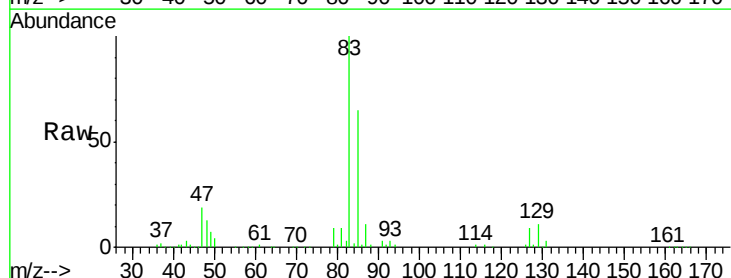
Tgt Ion: 83 Resp: 191699

Ion Ratio Lower Upper

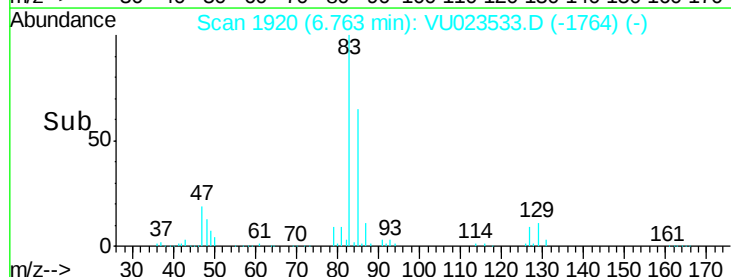
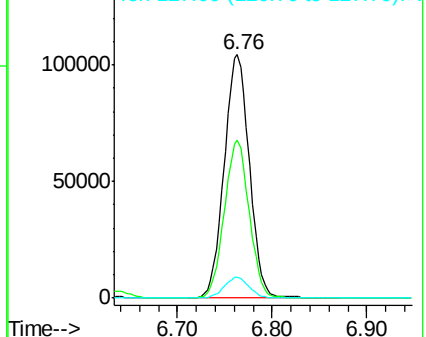
83 100

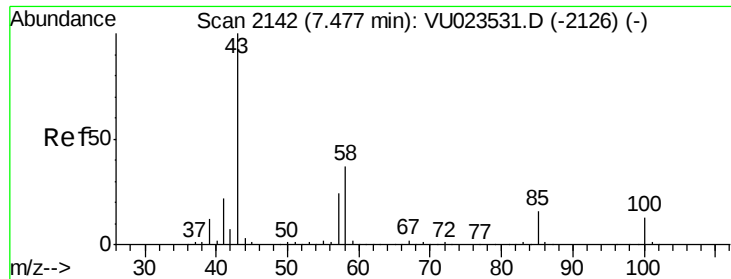
85 64.9 52.2 78.4

127 8.6 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 127.00 (126.70 to 127.70): V





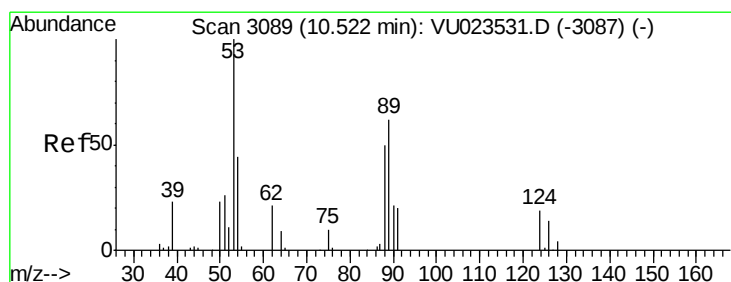
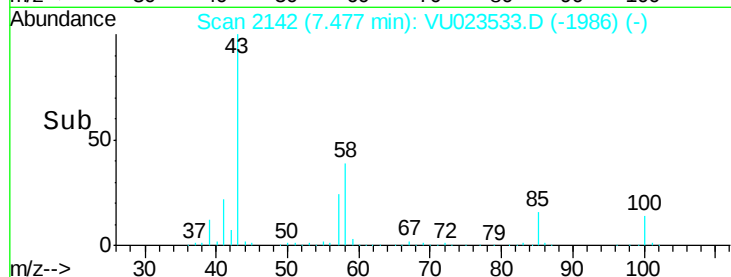
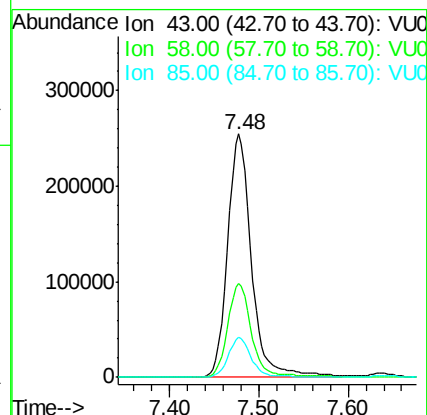
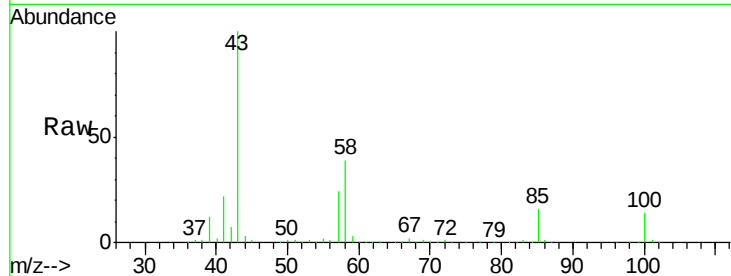
#45
4-Methyl-2-Pentanone
Concen: 56.15 ug/l
RT: 7.48 min Scan# 2142
Delta R.T. 0.00 min
Lab File: VU023533.D
Acq: 30 Apr 2018 17:46

Instrument :
MSVOA_U
ClientSampleId :
ICVVU043018

Tot Ion	Ratio	Resp	Lower	Upper
43	100	473574		
58	38.9		18.8	56.4
85	16.0		12.6	19.0

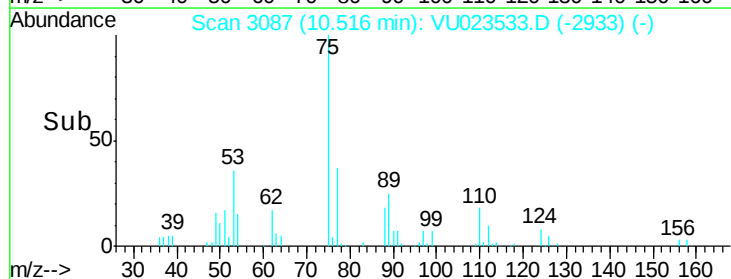
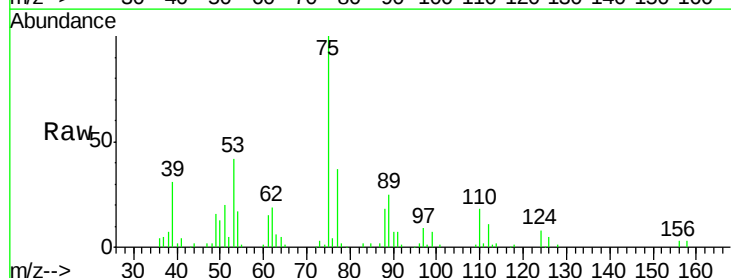
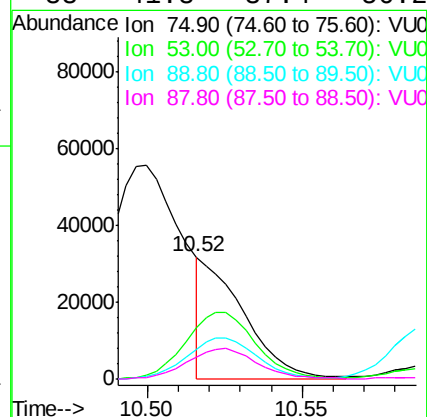
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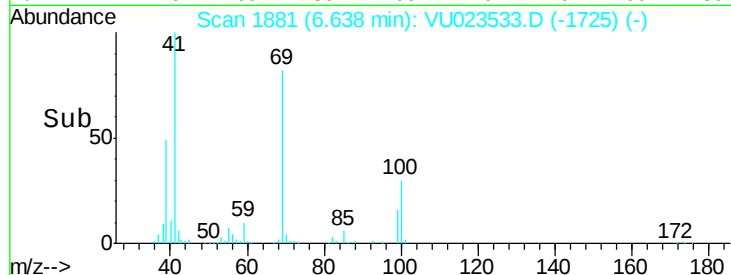
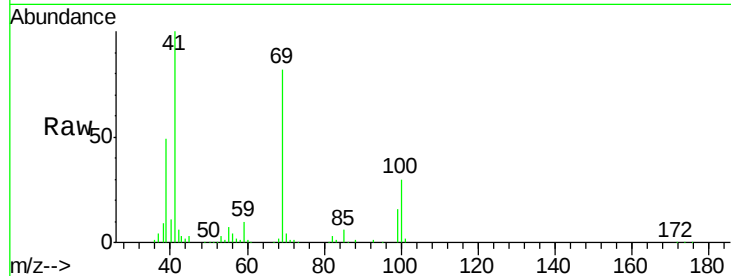
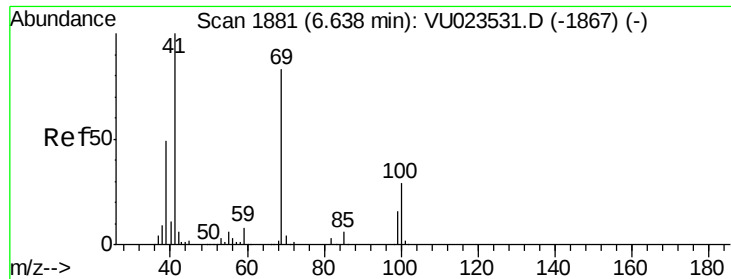
apatel
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#46
t-1,4-Dichloro-2-butene
Concen: 11.99 ug/l m
RT: 10.52 min Scan# 3087
Delta R.T. -0.01 min
Lab File: VU023533.D
Acq: 30 Apr 2018 17:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	29905		
53	92.1		82.2	123.4
89	56.3		51.3	76.9
88	41.8		37.4	56.2





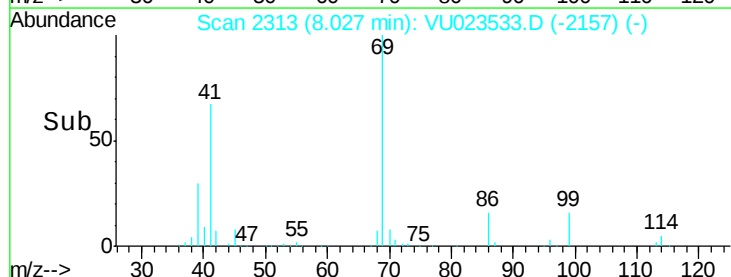
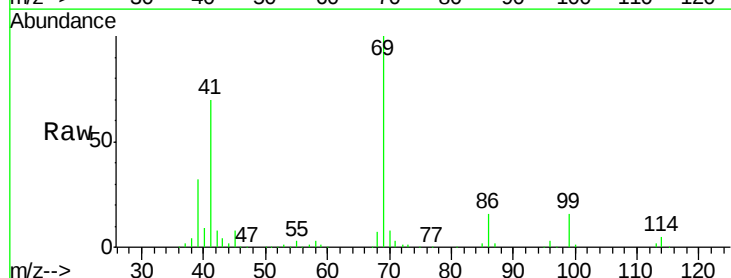
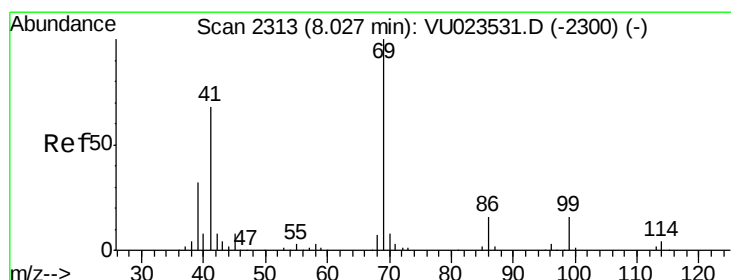
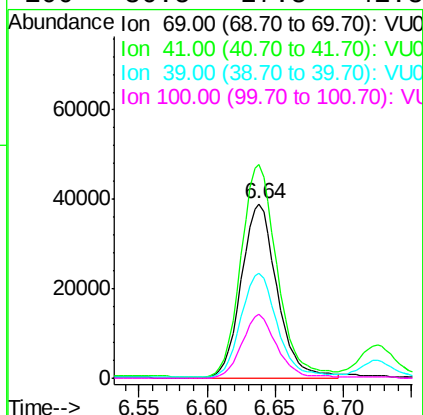
#47
Methyl methacrylate
Concen: 10.94 ug/l
RT: 6.64 min Scan# 1881
Delta R.T. 0.00 min
Lab File: VU023533.D
Acq: 30 Apr 2018 17:46

Tot Ion	Ratio	Lower	Upper
69	100		
41	123.1	0.0	245.4
39	61.2	49.0	73.4
100	36.5	27.8	41.8

Instrument :
MSVOA_U
ClientSampleId :
ICVVU043018

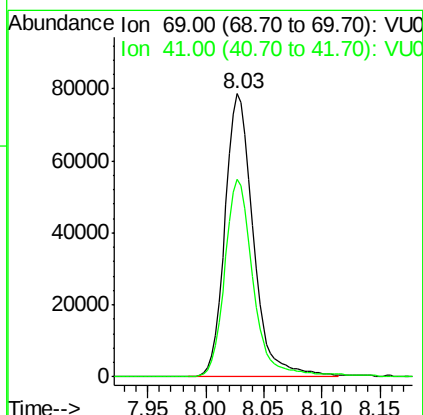
Manual Integrations
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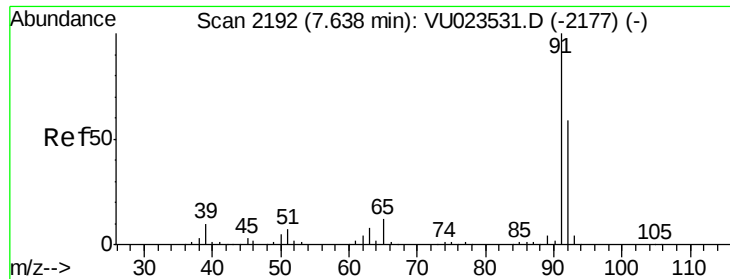
apatel
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#48
Ethyl methacrylate
Concen: 11.82 ug/l
RT: 8.03 min Scan# 2313
Delta R.T. 0.00 min
Lab File: VU023533.D
Acq: 30 Apr 2018 17:46

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.5	34.2	102.5





#49

Toluene

Concen: 11.19 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VU023533.D

Acq: 30 Apr 2018 17:46

Instrument :

MSVOA_U

ClientSampleId :

ICVVU043018

Tot Ion: 92 Resp: 390922

Ion Ratio Lower Upper

92 100

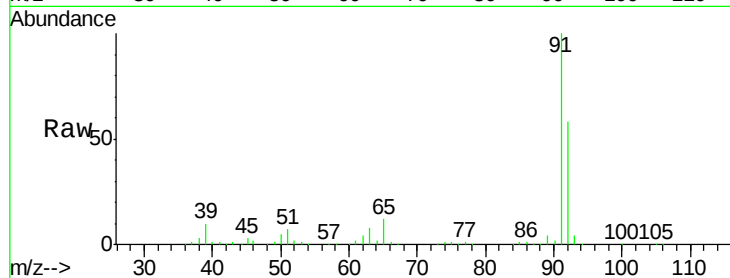
91 174.2 137.1 205.7

Manual Integrations

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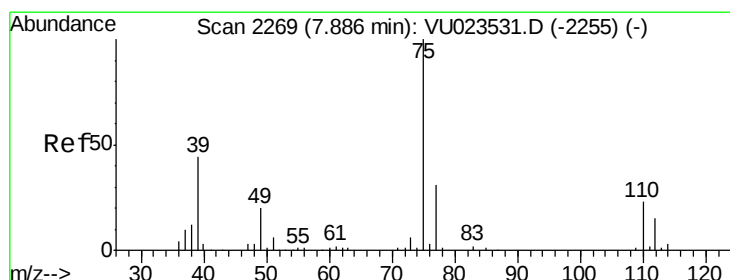
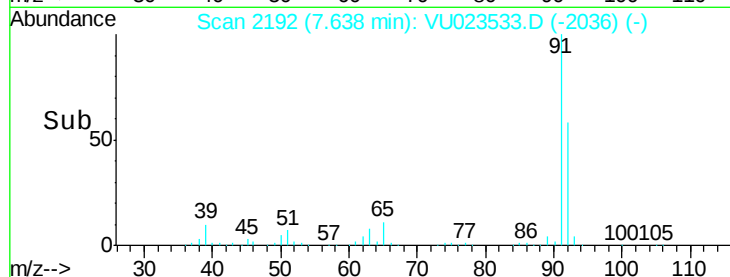
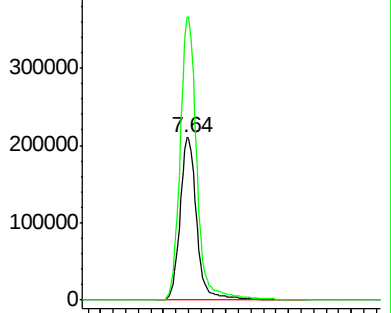
apatel

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Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#50

t-1,3-Dichloropropene

Concen: 12.01 ug/l

RT: 7.89 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VU023533.D

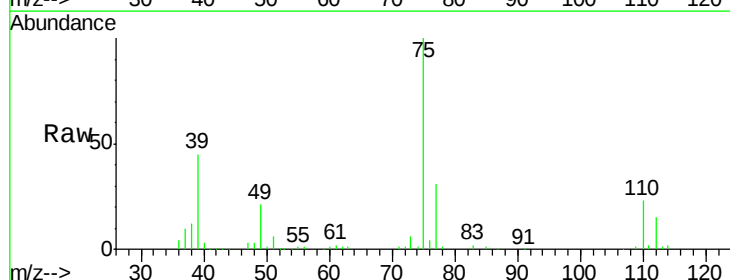
Acq: 30 Apr 2018 17:46

Tgt Ion: 75 Resp: 183805

Ion Ratio Lower Upper

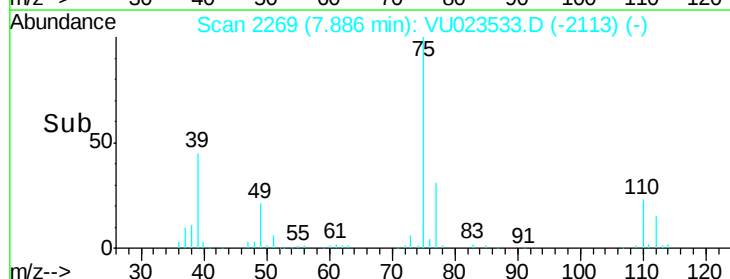
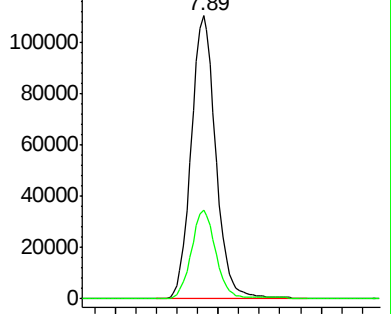
75 100

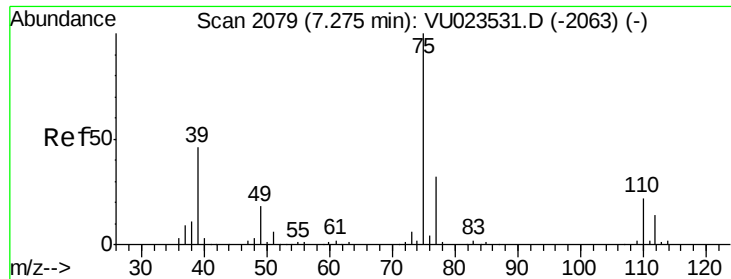
77 31.3 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#51

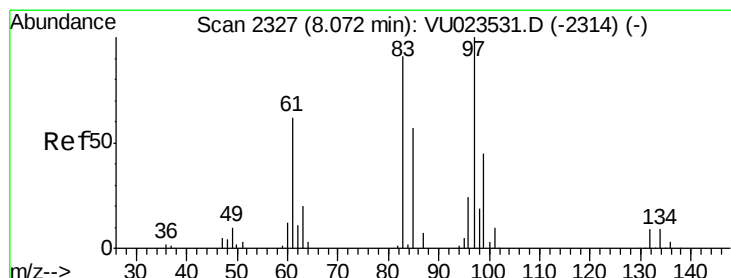
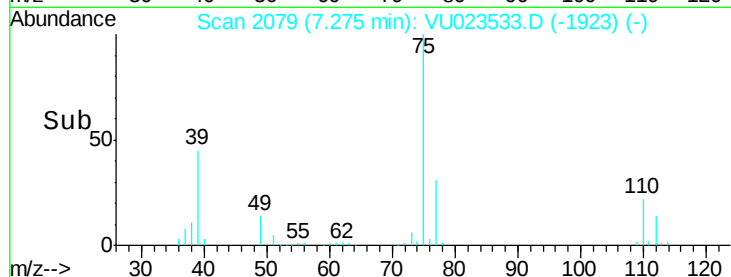
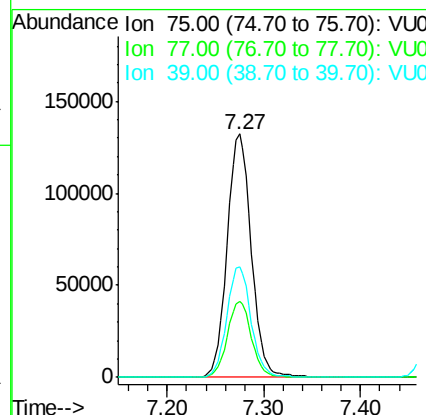
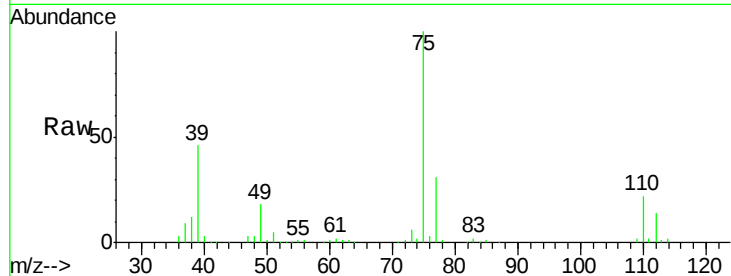
cis-1,3-Dichloropropene
Concen: 11.52 ug/l
RT: 7.27 min Scan# 2079
Delta R.T. 0.00 min
Lab File: VU023533.D
Acq: 30 Apr 2018 17:46

Instrument :
MSVOA_U
ClientSampleId :
ICVVU043018

Tot Ion	Ratio	Resp	Lower	Upper
75	100	229594		
77	31.1	25.2	37.8	
39	45.6	36.4	54.6	

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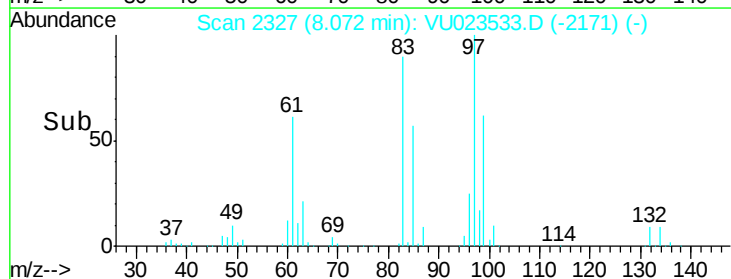
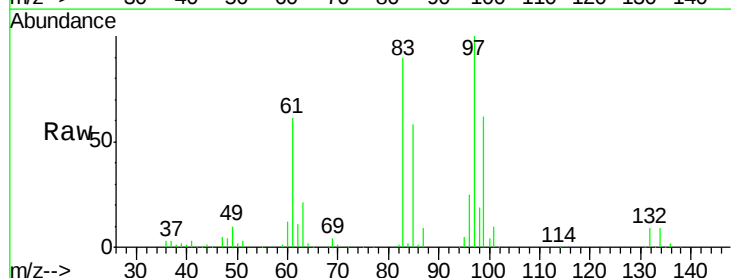
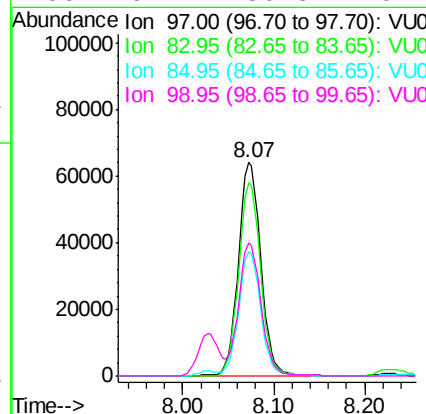
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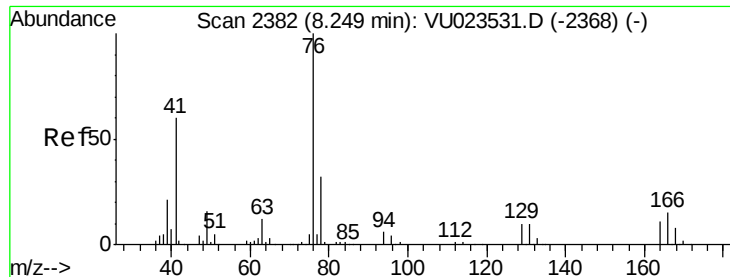


#52

1,1,2-Trichloroethane
Concen: 10.85 ug/l
RT: 8.07 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VU023533.D
Acq: 30 Apr 2018 17:46

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	110223		
83	90.4	72.6	109.0	
85	58.0	47.2	70.8	
99	62.1	50.8	76.2	





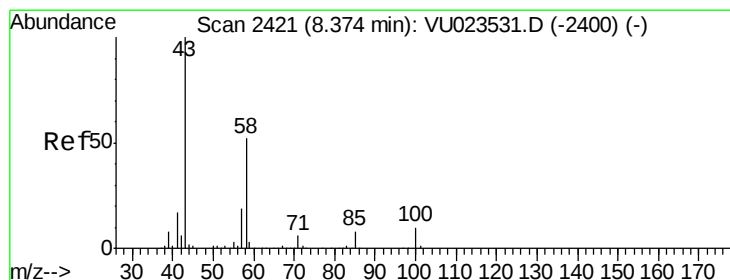
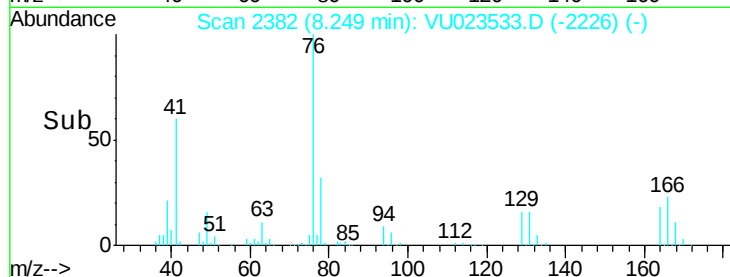
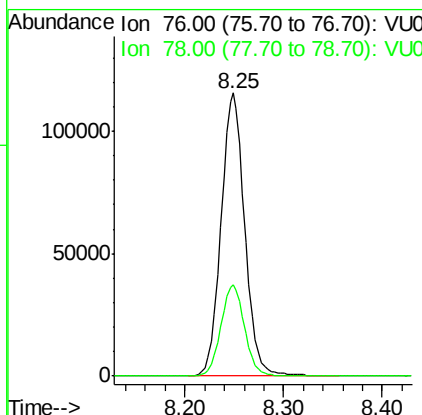
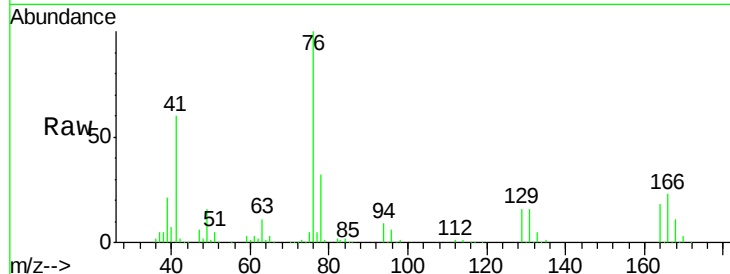
#53
 1,3-Dichloropropane
 Concen: 10.79 ug/l
 RT: 8.25 min Scan# 2382
 Delta R.T. 0.00 min
 Lab File: VU023533.D
 Acq: 30 Apr 2018 17:46

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU043018

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.7	38.5

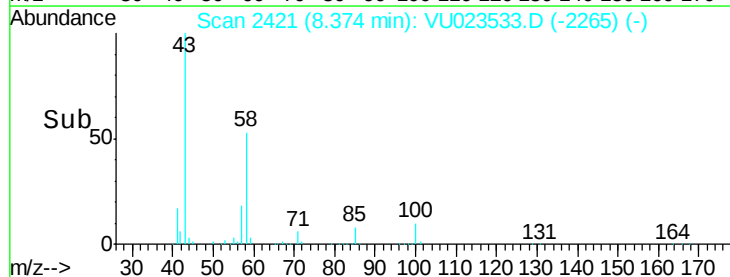
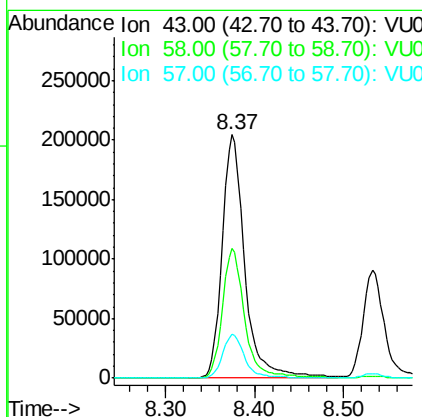
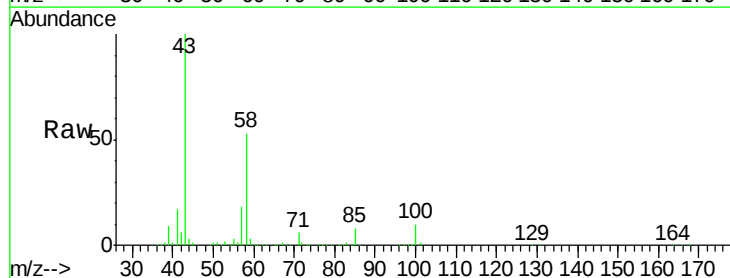
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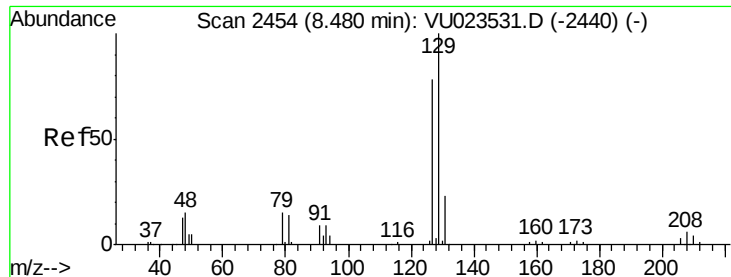
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#54
 2-Hexanone
 Concen: 62.36 ug/l
 RT: 8.37 min Scan# 2421
 Delta R.T. 0.00 min
 Lab File: VU023533.D
 Acq: 30 Apr 2018 17:46

Tgt Ion	Ratio	Lower	Upper
43	100		
58	52.8	32.5	72.5
57	18.1	0.0	37.9





#55

Dibromochloromethane

Concen: 10.83 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VU023533.D

Acq: 30 Apr 2018 17:46

Instrument :

MSVOA_U

ClientSampleId :

ICVVU043018

Tot Ion:129 Resp: 120493

Ion Ratio Lower Upper

129 100

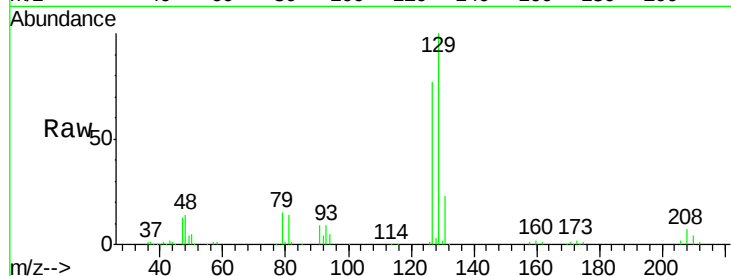
127 77.1 61.1 91.7

Manual Integrations

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.48

80000

60000

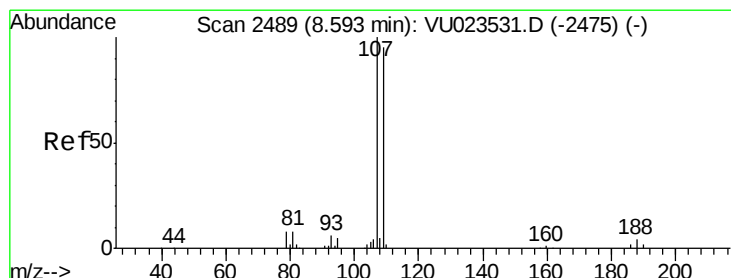
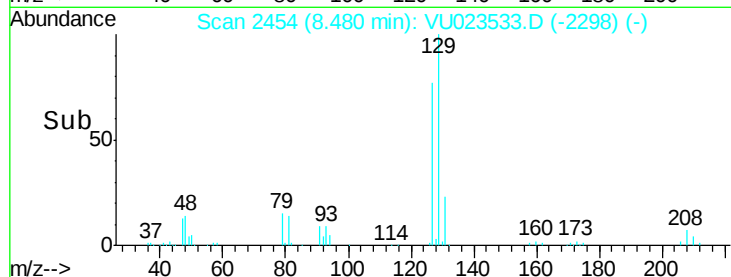
40000

20000

0

8.40 8.45 8.50 8.55 8.60

Time-->



#56

1,2-Dibromoethane

Concen: 11.02 ug/l

RT: 8.59 min Scan# 2489

Delta R.T. 0.00 min

Lab File: VU023533.D

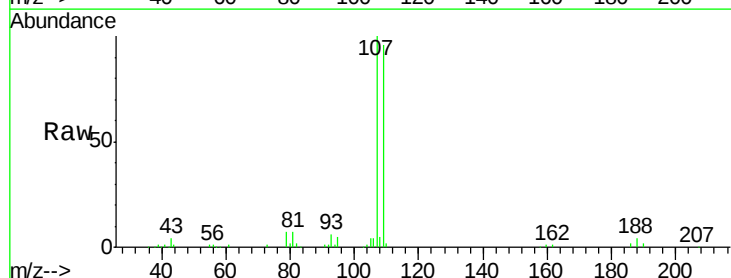
Acq: 30 Apr 2018 17:46

Tgt Ion:107 Resp: 96432

Ion Ratio Lower Upper

107 100

109 95.6 0.0 189.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.59

60000

50000

40000

30000

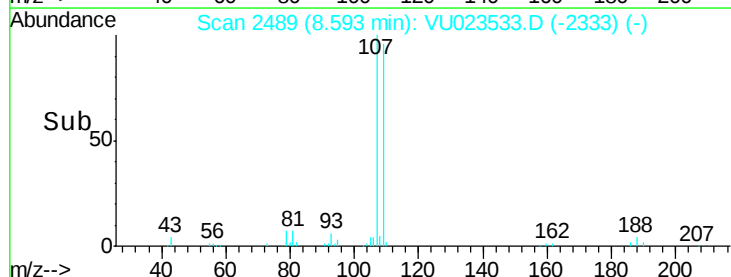
20000

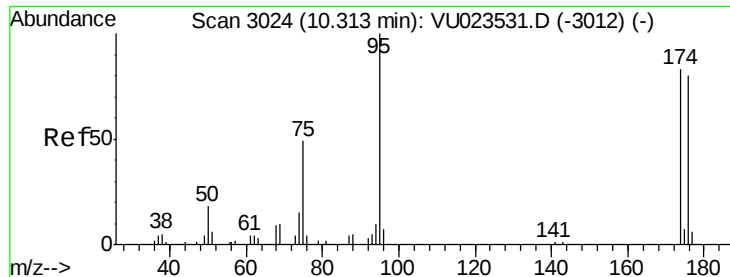
10000

0

8.50 8.60 8.70

Time-->





#57

4-Bromofluorobenzene

Concen: 11.02 ug/l

RT: 10.31 min Scan# 3024

Delta R.T. 0.00 min

Lab File: VU023533.D

Acq: 30 Apr 2018 17:46

Instrument :

MSVOA_U

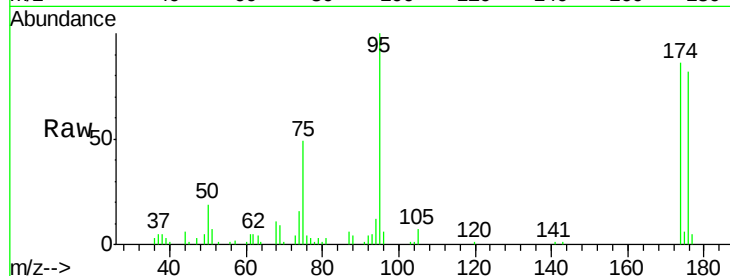
ClientSampled :

ICVVU043018

Tot Ion:	95	Resp:	18700
Ion Ratio	Lower	Upper	
95	100		
174	84.8	65.6	98.4
176	80.5	62.0	93.0

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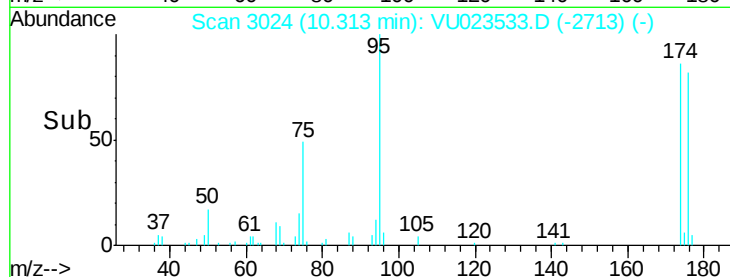


Abundance Ion 95.00 (94.70 to 95.70): VU023533.D (-2713) (-)

Ion 174.00 (173.70 to 174.70): VU023533.D (-2713) (-)

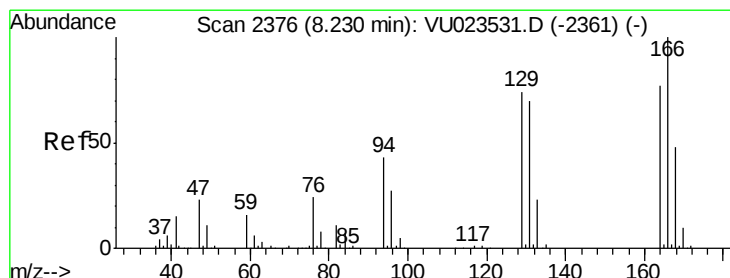
Ion 176.00 (175.70 to 176.70): VU023533.D (-2713) (-)

Time-->



Abundance

Time-->



#58

Tetrachloroethene

Concen: 10.85 ug/l

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU023533.D

Acq: 30 Apr 2018 17:46

Tgt Ion:	164	Resp:	160616
Ion Ratio	Lower	Upper	
164	100		
166	125.2	104.1	156.1
129	93.1	76.8	115.2
131	90.5	72.6	108.8

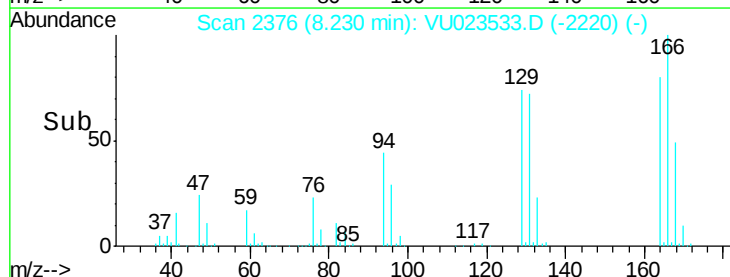
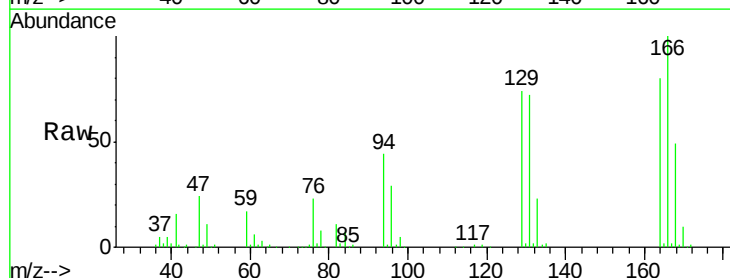
Abundance Ion 163.85 (163.55 to 164.55): VU023533.D (-2220) (-)

Ion 165.80 (165.50 to 166.50): VU023533.D (-2220) (-)

Ion 128.90 (128.60 to 129.60): VU023533.D (-2220) (-)

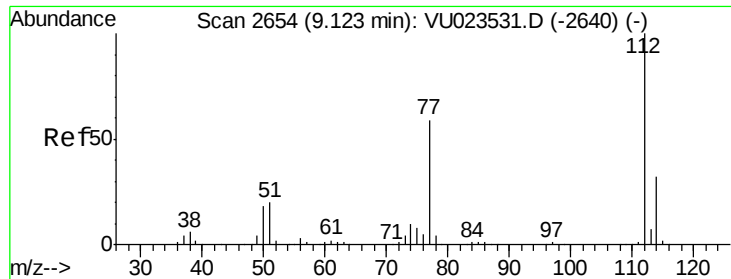
Ion 130.90 (130.60 to 131.60): VU023533.D (-2220) (-)

Time-->



Abundance

Time-->



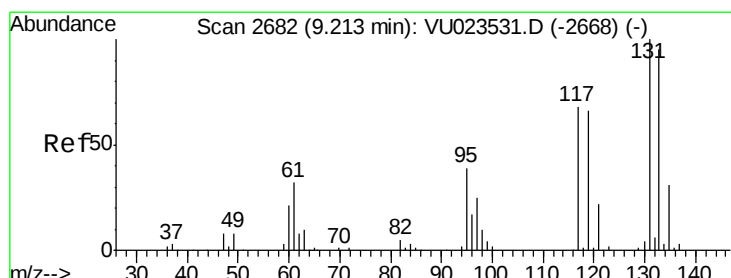
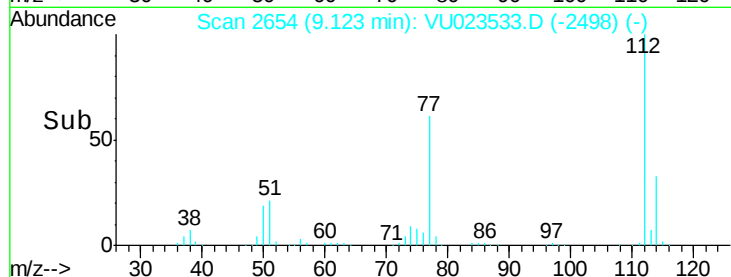
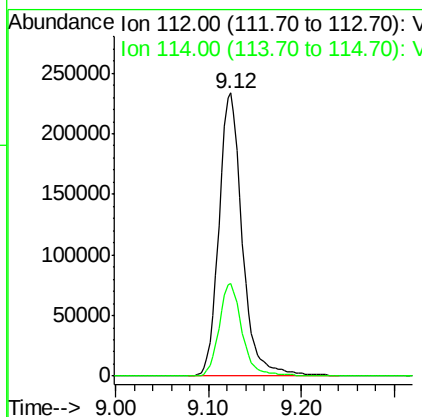
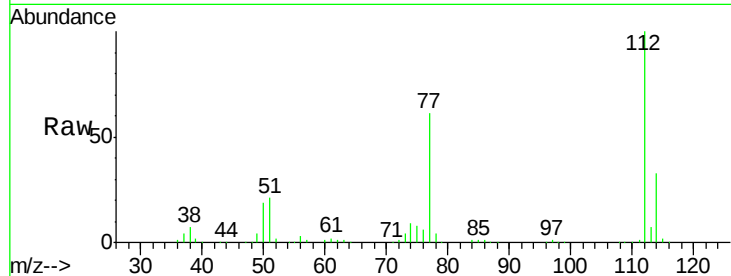
#59
Chlorobenzene
Concen: 10.94 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU023533.D
Acq: 30 Apr 2018 17:46

Instrument :
MSVOA_U
ClientSampleId :
ICVVU043018

Tot Ion:112 Resp: 409166
Ion Ratio Lower Upper
112 100
114 32.5 25.4 38.2

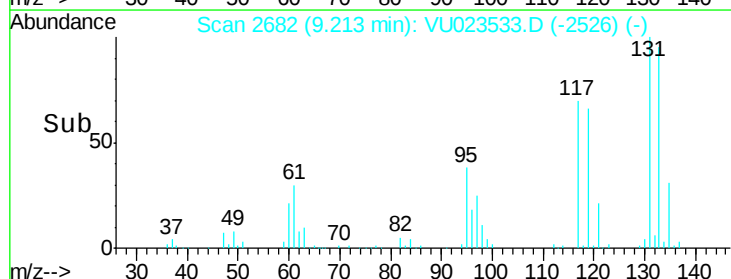
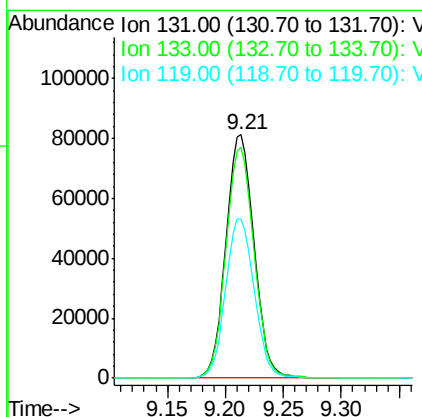
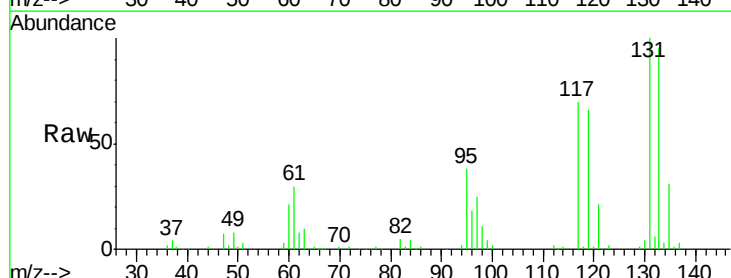
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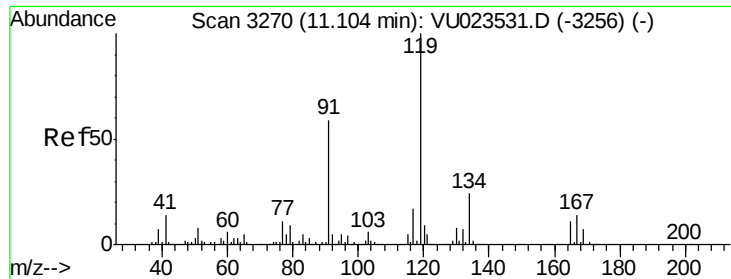
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#60
1,1,1,2-Tetrachloroethane
Concen: 10.70 ug/l
RT: 9.21 min Scan# 2682
Delta R.T. 0.00 min
Lab File: VU023533.D
Acq: 30 Apr 2018 17:46

Tgt Ion:131 Resp: 135887
Ion Ratio Lower Upper
131 100
133 94.9 75.8 113.8
119 66.7 53.0 79.6





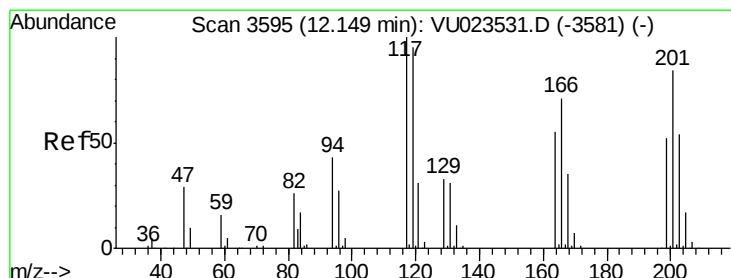
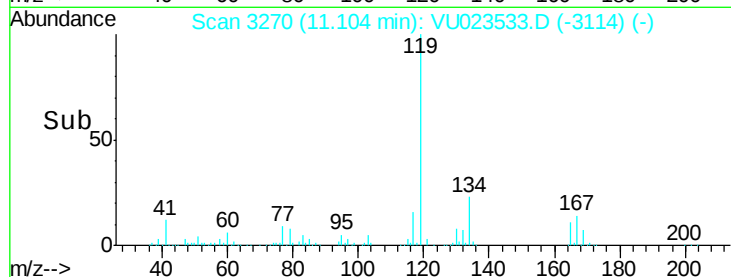
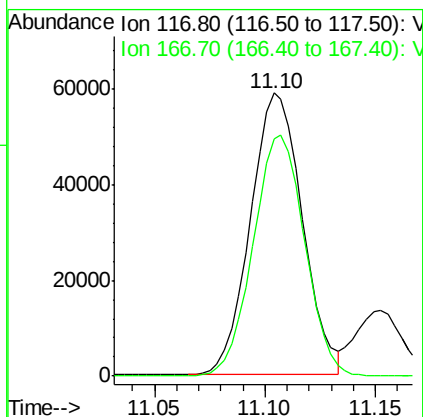
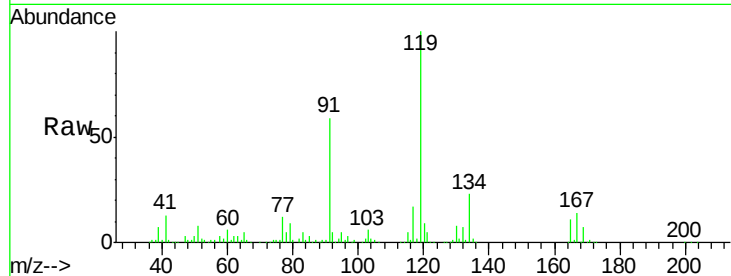
#61
 Pentachloroethane
 Concen: 10.66 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU023533.D
 Acq: 30 Apr 2018 17:46

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU043018

Tot Ion:117 Resp: 96150
 Ion Ratio Lower Upper
 117 100
 167 84.8 69.2 103.8

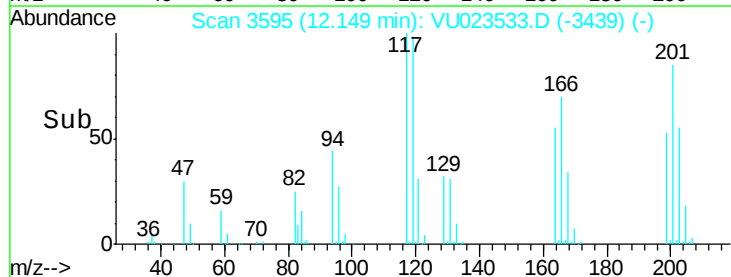
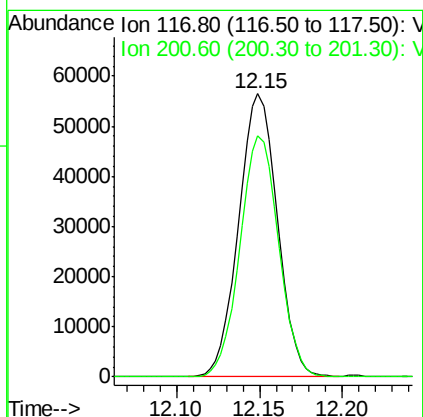
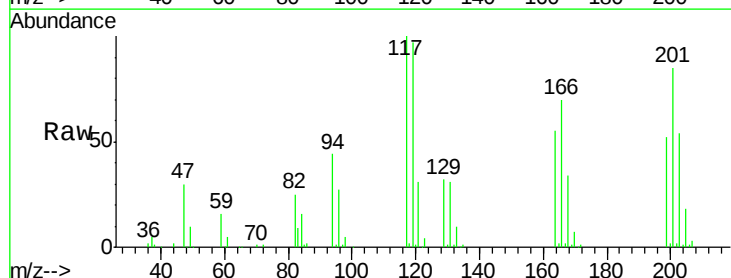
Manual Integrations
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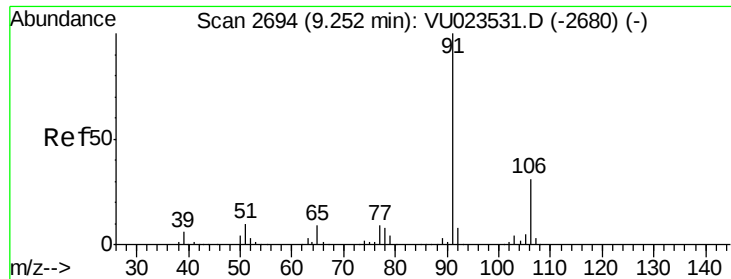
apatel
 5/3/2018 4:49:11 PM



#62
 Hexachloroethane
 Concen: 10.61 ug/l
 RT: 12.15 min Scan# 3595
 Delta R.T. 0.00 min
 Lab File: VU023533.D
 Acq: 30 Apr 2018 17:46

Tgt Ion:117 Resp: 91828
 Ion Ratio Lower Upper
 117 100
 201 85.1 68.7 103.1





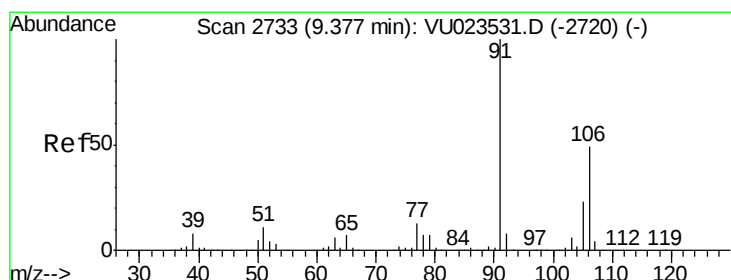
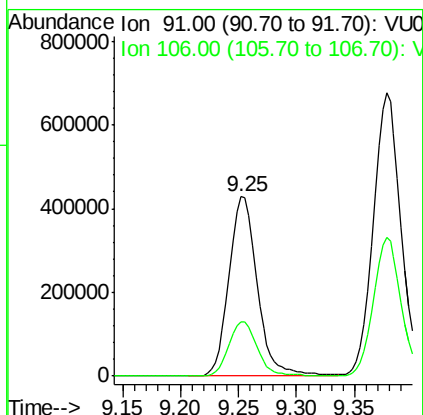
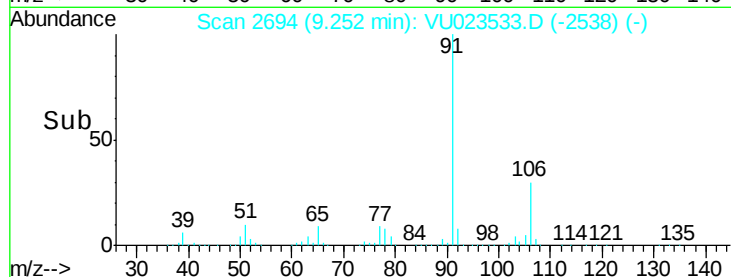
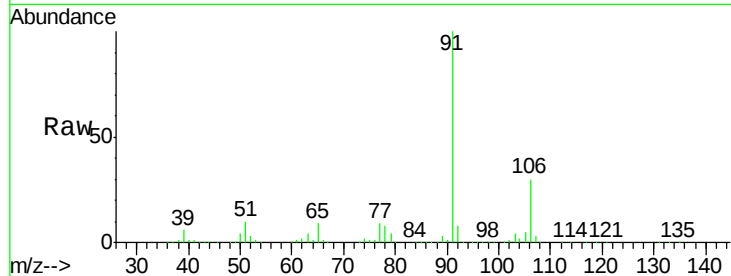
#63
Ethyl Benzene
Concen: 11.67 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU023533.D
Acq: 30 Apr 2018 17:46

Instrument :
MSVOA_U
ClientSampleId :
ICVVU043018

Tot Ion: 91 Resp: 725745
Ion Ratio Lower Upper
91 100
106 30.3 24.7 37.1

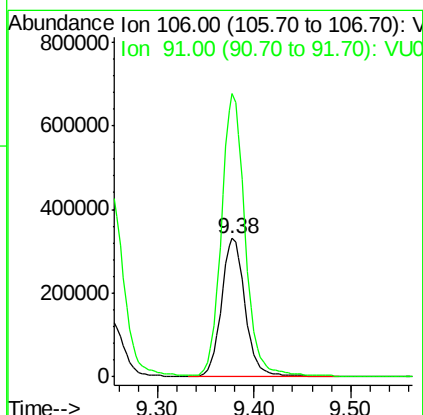
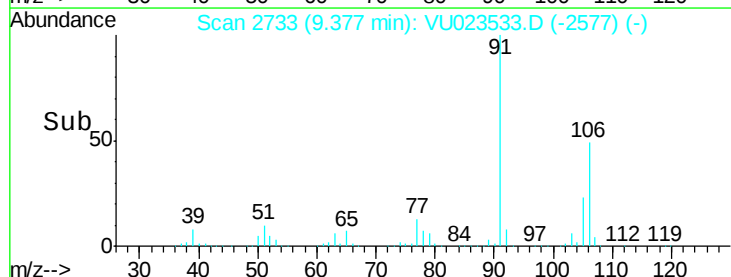
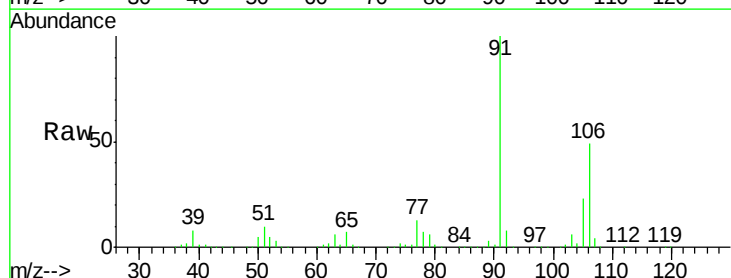
Manual Integrations
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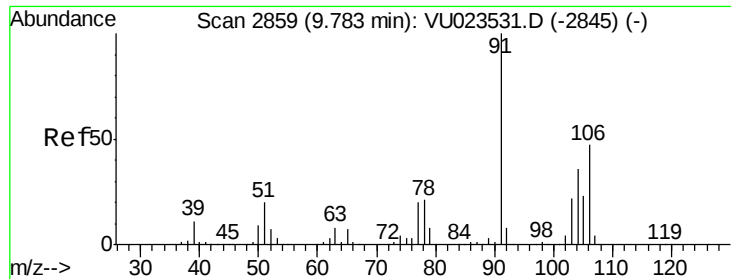
apatel
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#64
m/p-Xylenes
Concen: 23.42 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU023533.D
Acq: 30 Apr 2018 17:46

Tgt Ion: 106 Resp: 561457
Ion Ratio Lower Upper
106 100
91 205.5 164.1 246.1





#65

o-Xylene

Concen: 11.35 ug/l

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU023533.D

Acq: 30 Apr 2018 17:46

Tot Ion:106 Resp: 262023

Ion Ratio Lower Upper

106 100

91 216.7 107.9 323.7

Instrument :

MSVOA_U

ClientSampleId :

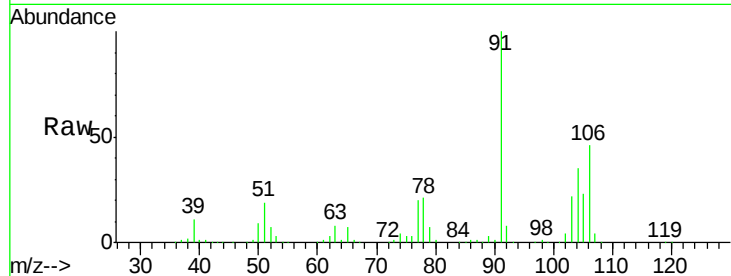
ICVVU043018

Manual Integrations

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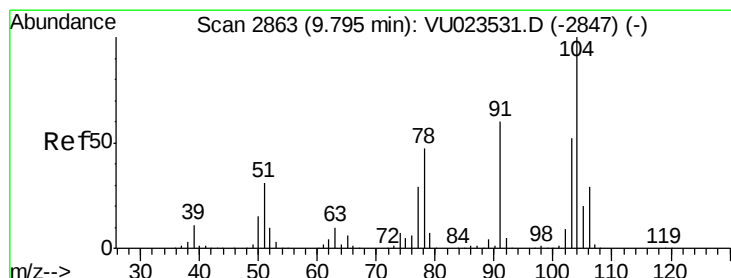
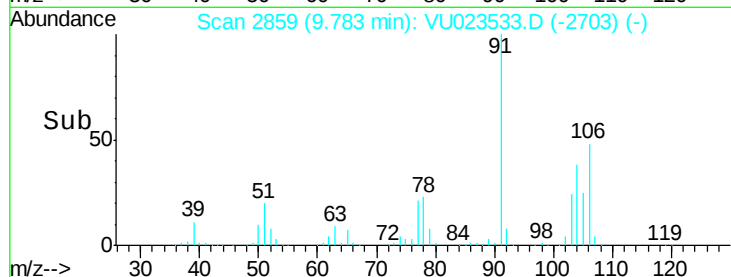
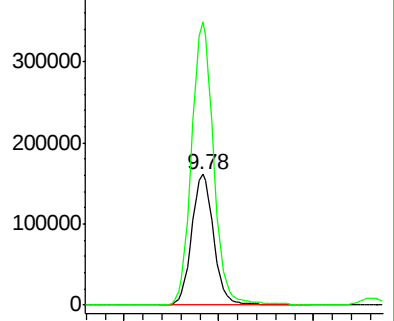
apatel

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 11.41 ug/l

RT: 9.80 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VU023533.D

Acq: 30 Apr 2018 17:46

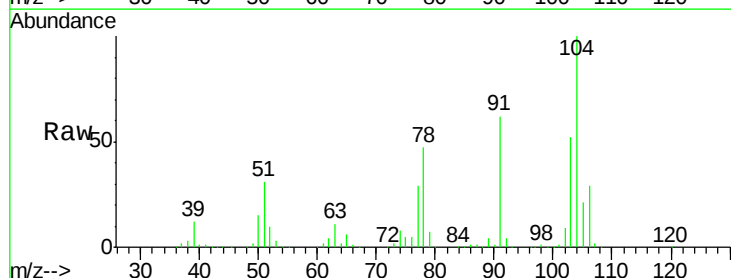
Tgt Ion:104 Resp: 434613

Ion Ratio Lower Upper

104 100

78 50.8 40.2 60.2

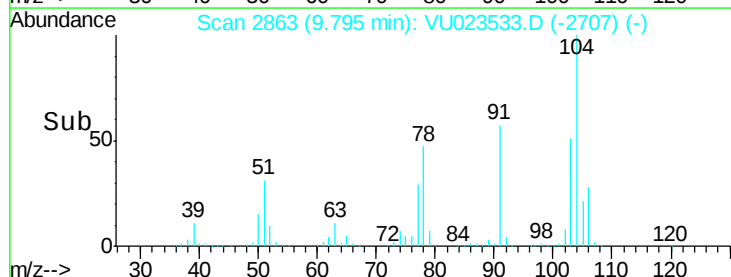
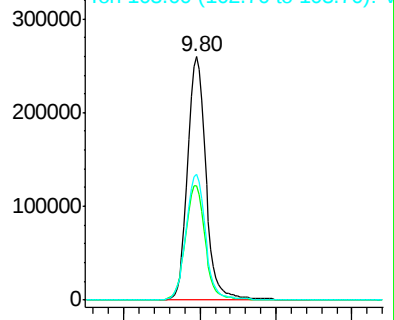
103 55.1 44.2 66.4

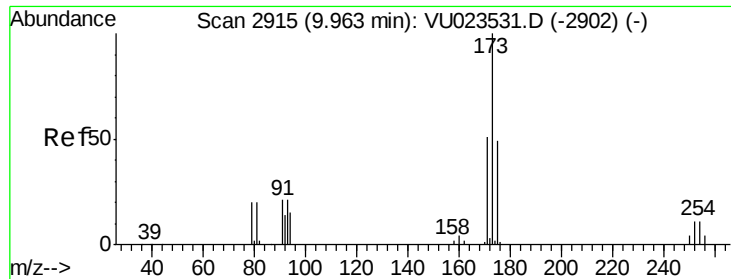


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 11.06 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU023533.D

Acq: 30 Apr 2018 17:46

Instrument :

MSVOA_U

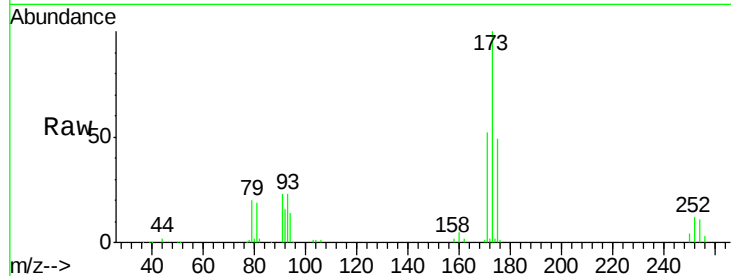
ClientSampleId :

ICVVU043018

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	38.6	57.8
254	11.4	8.8	13.2

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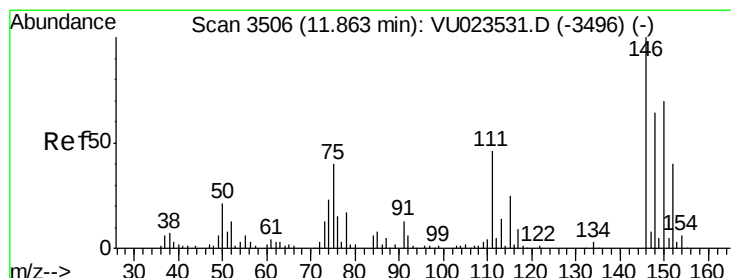
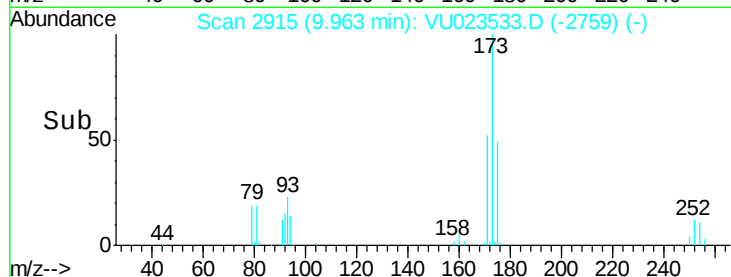
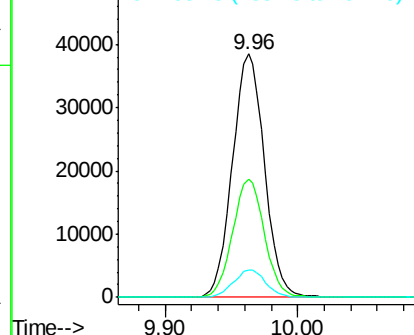


Abundance

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: 11.06 ug/l

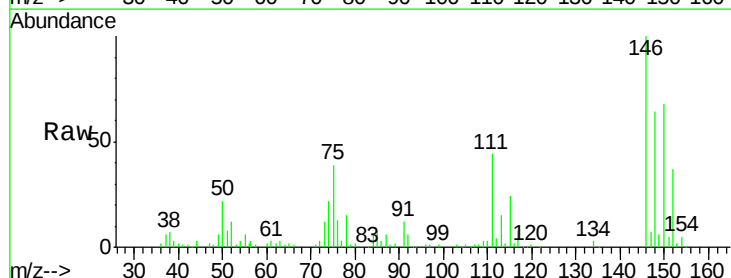
RT: 11.86 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VU023533.D

Acq: 30 Apr 2018 17:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.3	0.0	118.8
150	0.0	0.0	0.0

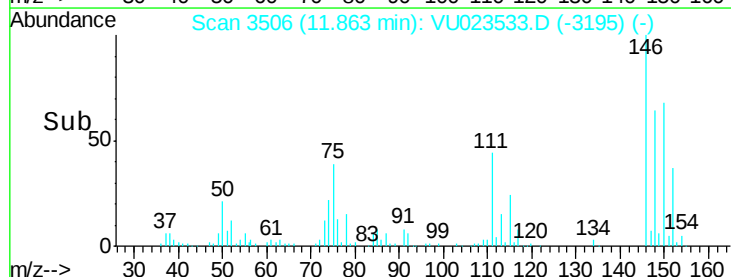
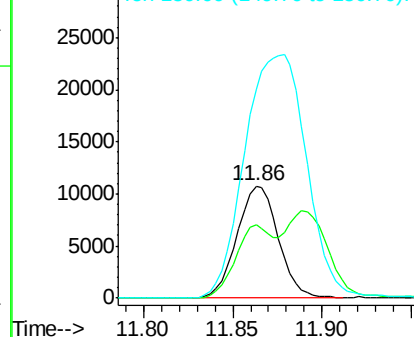


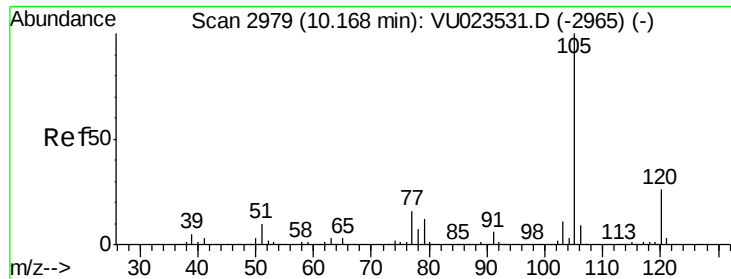
Abundance

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: 11.98 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU023533.D

Acq: 30 Apr 2018 17:46

Instrument :

MSVOA_U

ClientSampleId :

ICVVU043018

Tot Ion: 105 Resp: 712752

Ion Ratio Lower Upper

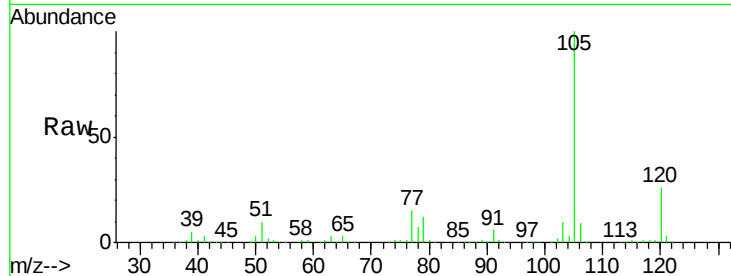
105 100

120 26.3 13.1 39.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.17

400000

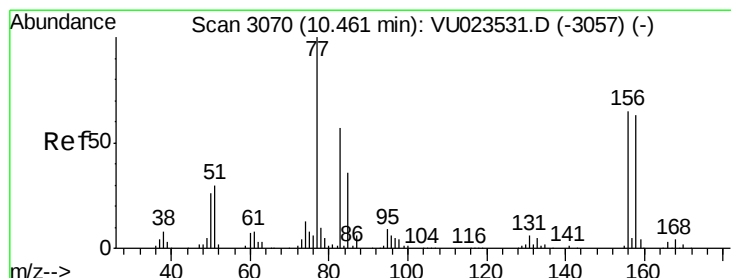
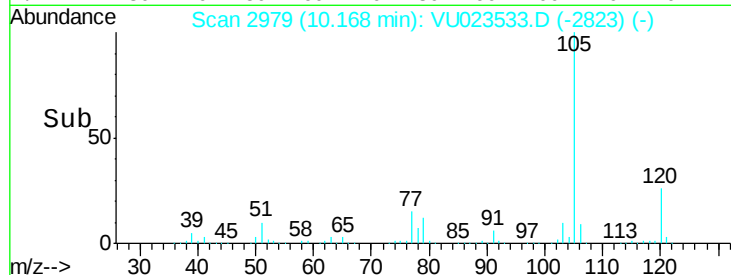
300000

200000

100000

0

Time-->



#70

1,1,2,2-Tetrachloroethane

Concen: 10.64 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU023533.D

Acq: 30 Apr 2018 17:46

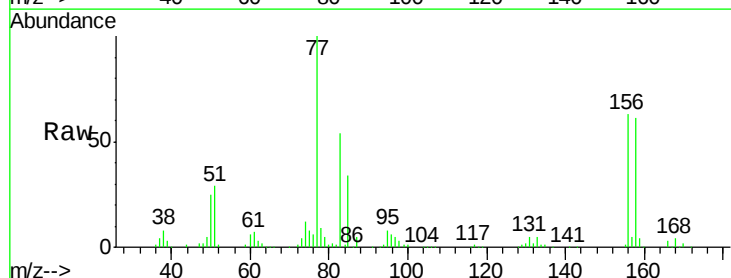
Tgt Ion: 83 Resp: 121767

Ion Ratio Lower Upper

83 100

131 9.7 7.9 11.9

85 64.7 51.8 77.6



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

10.46

80000

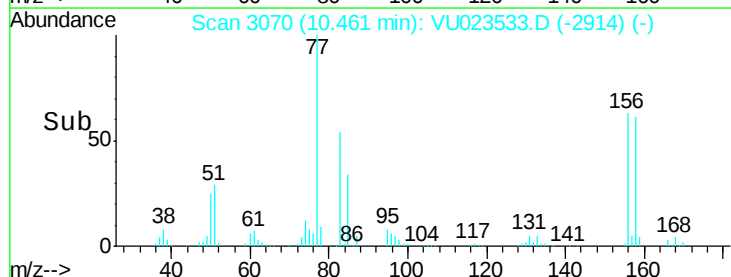
60000

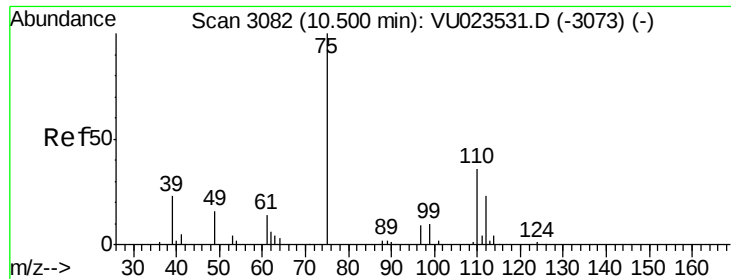
40000

20000

0

Time-->





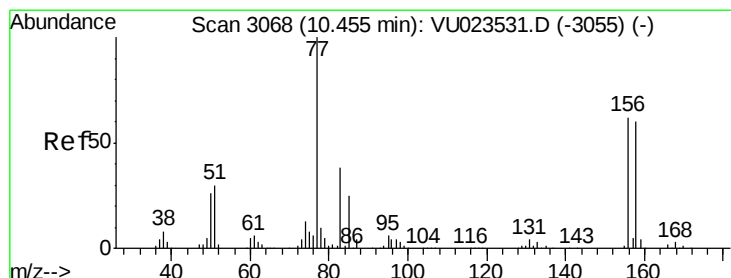
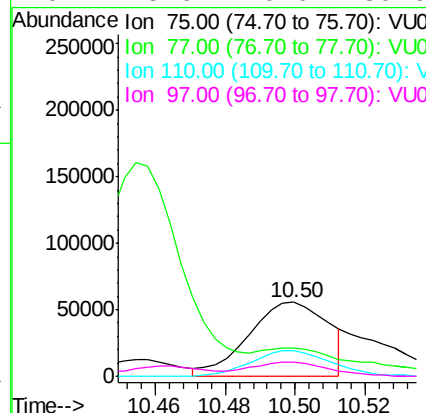
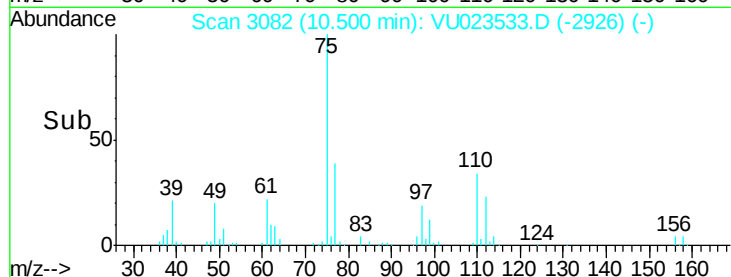
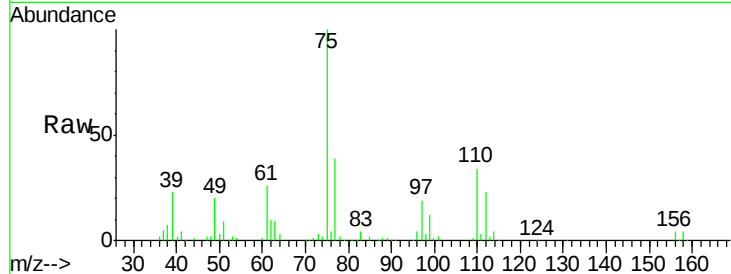
#71
 1,2,3-Trichloropropane
 Concen: 10.76 ug/l m
 RT: 10.50 min Scan# 3082
 Delta R.T. 0.00 min
 Lab File: VU023533.D
 Acq: 30 Apr 2018 17:46

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU043018

Tot Ion	75	Resp	88122
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0
110	35.1	0.0	74.0
97	18.6	0.0	39.6

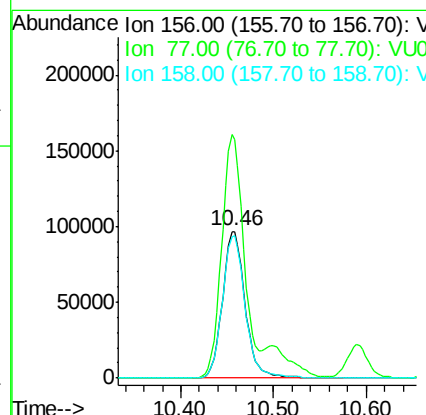
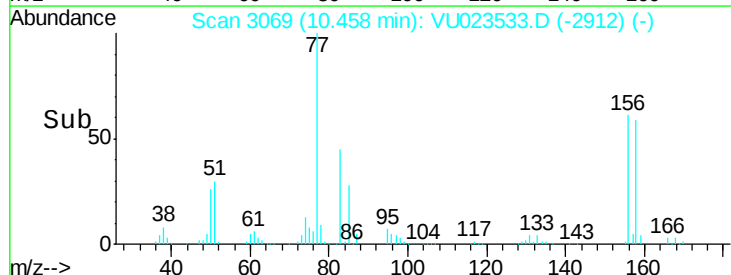
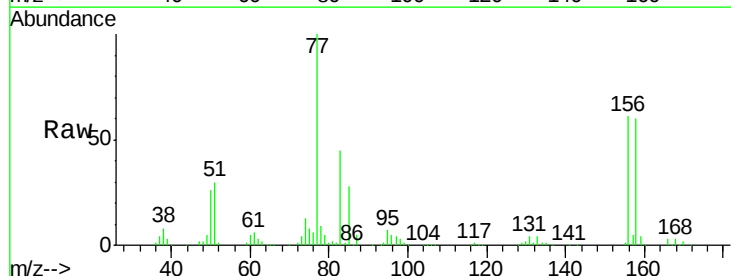
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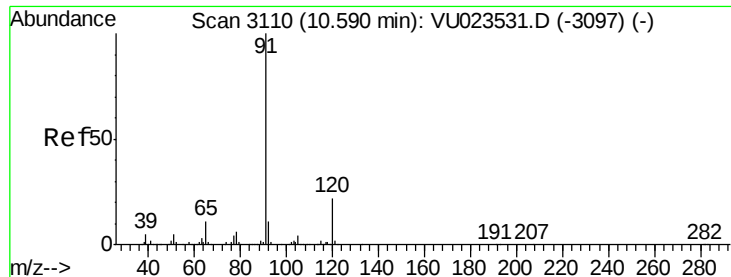
apatel
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#72
 Bromobenzene
 Concen: 11.06 ug/l
 RT: 10.46 min Scan# 3069
 Delta R.T. 0.00 min
 Lab File: VU023533.D
 Acq: 30 Apr 2018 17:46

Tgt Ion	156	Resp	163821
Ion Ratio	Lower	Upper	
156	100		
77	162.2	0.0	309.8
158	98.3	0.0	193.0





#73

n-propylbenzene

Concen: 11.92 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU023533.D

Acq: 30 Apr 2018 17:46

Instrument :

MSVOA_U

ClientSampleId :

ICVVU043018

Tot Ion:120 Resp: 195978

Ion Ratio Lower Upper

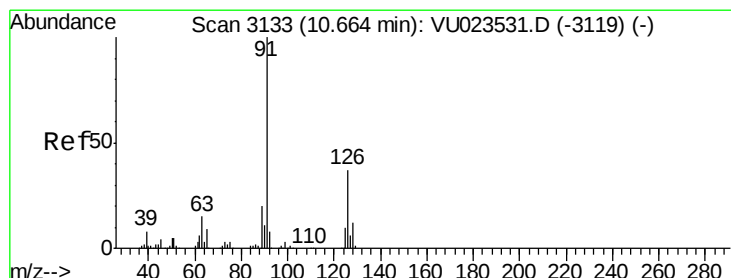
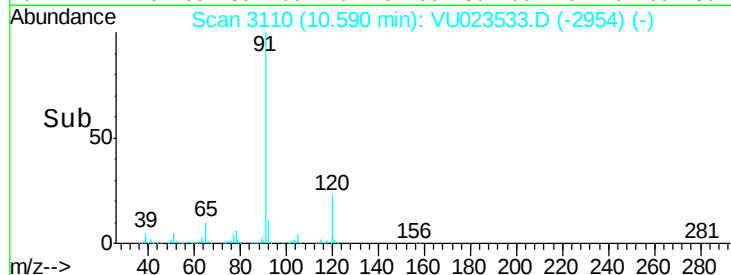
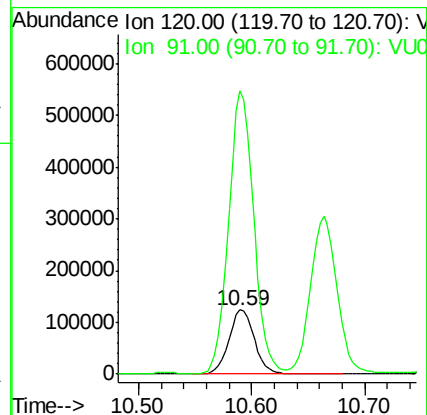
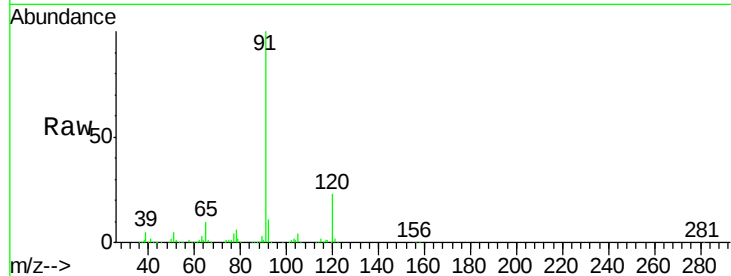
120 100

91 432.3 352.2 528.4

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#74

2-Chlorotoluene

Concen: 11.44 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU023533.D

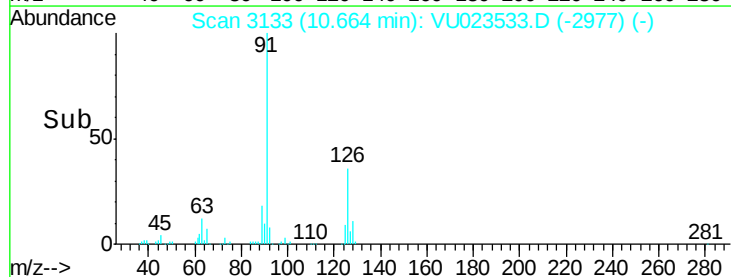
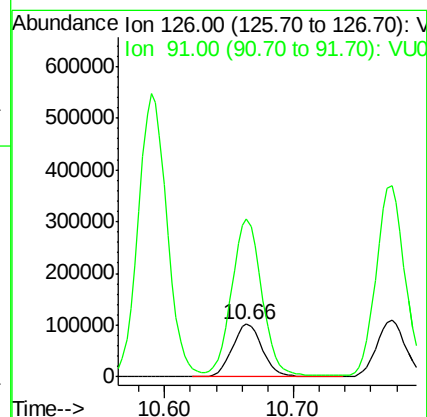
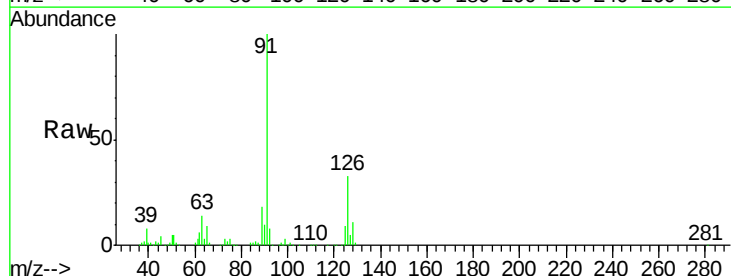
Acq: 30 Apr 2018 17:46

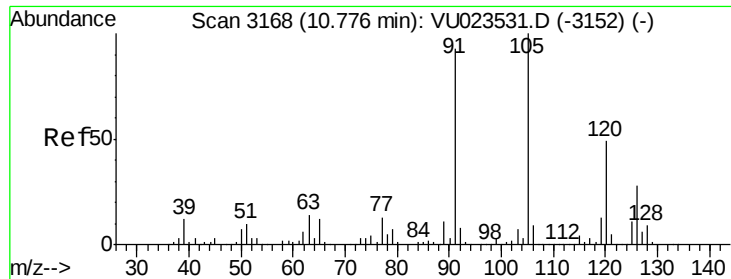
Tgt Ion:126 Resp: 166347

Ion Ratio Lower Upper

126 100

91 301.5 0.0 613.0





#75

1,3,5-Trimethylbenzene

Concen: 11.93 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU023533.D

Acq: 30 Apr 2018 17:46

Instrument :

MSVOA_U

ClientSampled :

ICVVU043018

Tot Ion:105 Resp: 597975

Ion Ratio Lower Upper

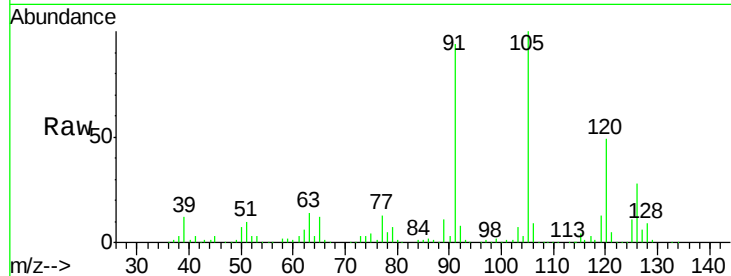
105 100

120 48.7 39.0 58.6

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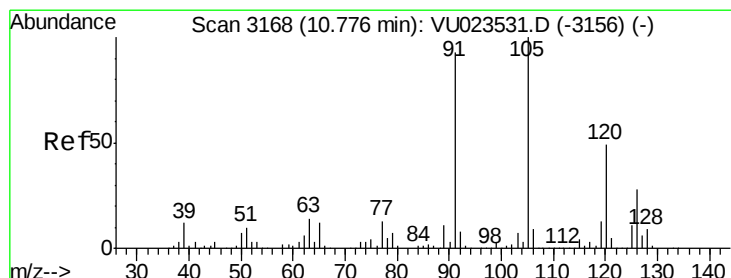
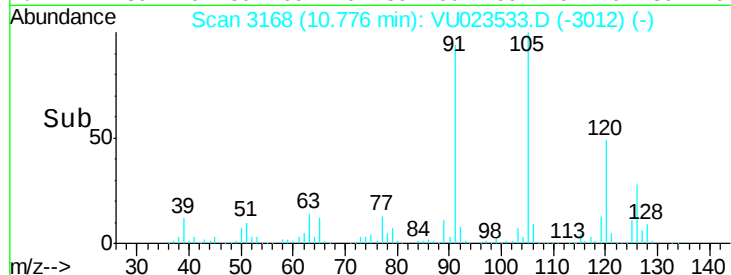
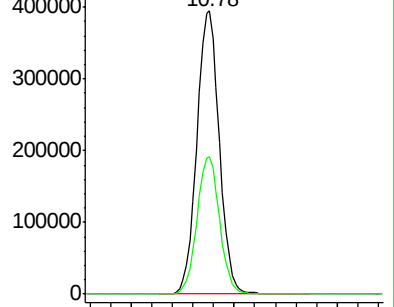
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 11.50 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU023533.D

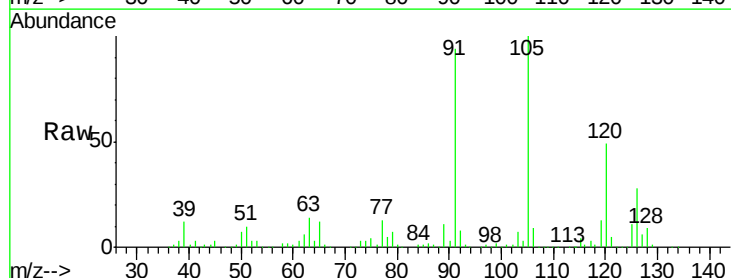
Acq: 30 Apr 2018 17:46

Tgt Ion:126 Resp: 173165

Ion Ratio Lower Upper

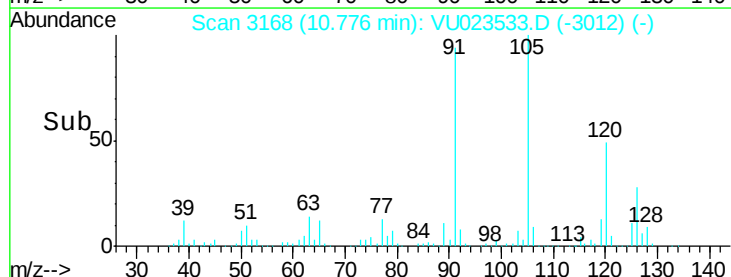
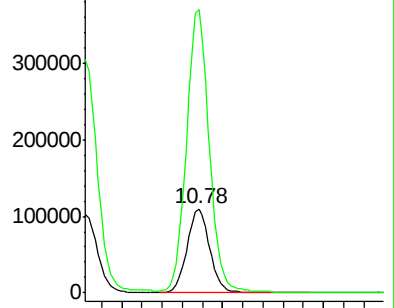
126 100

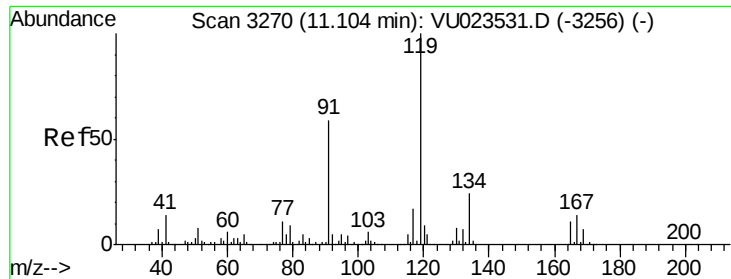
91 335.4 0.0 667.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





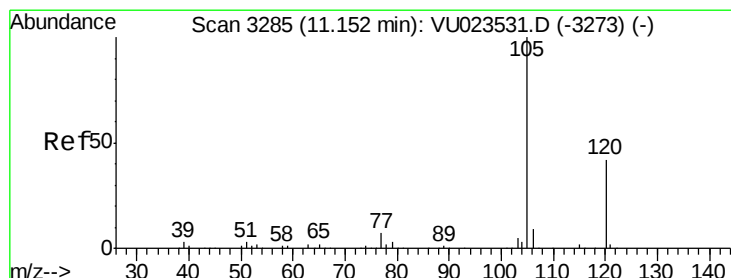
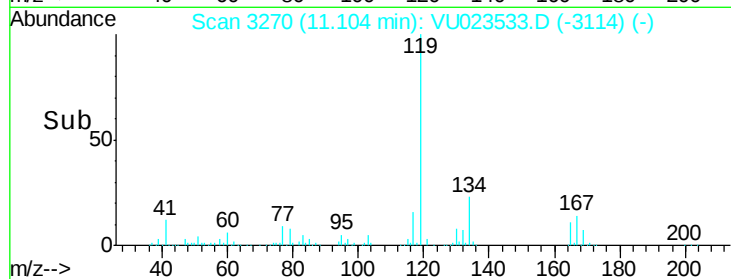
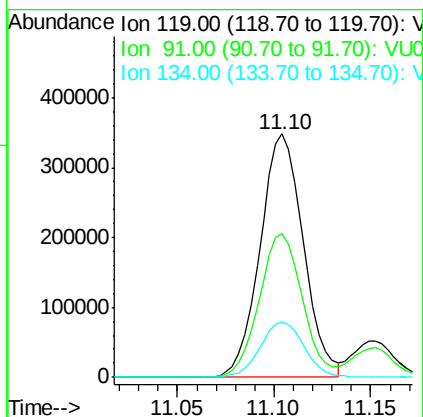
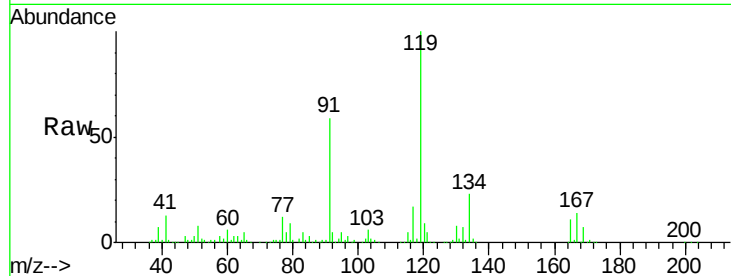
#77
 tert-Butylbenzene
 Concen: 11.52 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU023533.D
 Acq: 30 Apr 2018 17:46

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU043018

Tot Ion	Ratio	Resp	Lower	Upper
119	100	540621		
91	59.1	29.6	88.8	
134	23.3	19.1	28.7	

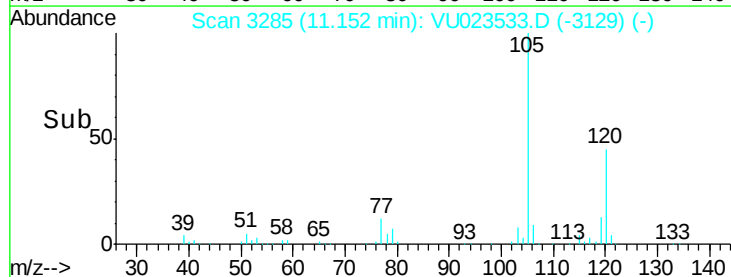
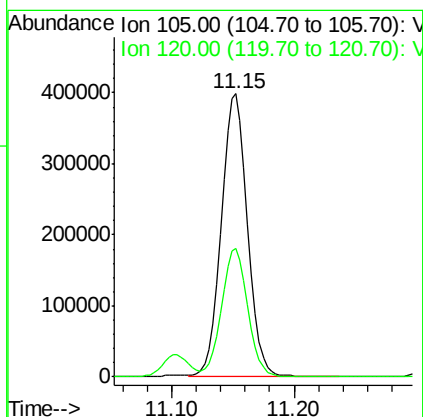
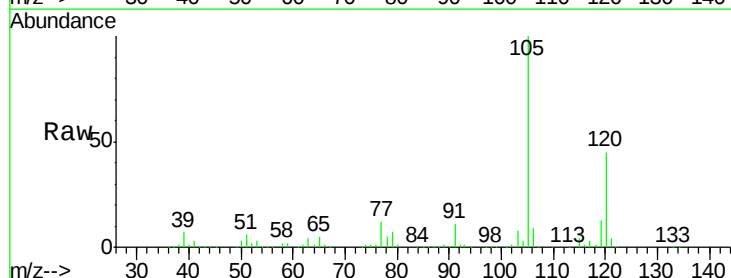
Manual Integrations
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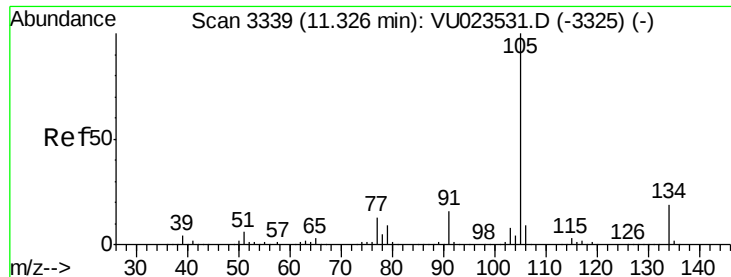
apatel
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#78
 1,2,4-Trimethylbenzene
 Concen: 11.81 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU023533.D
 Acq: 30 Apr 2018 17:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	597532		
120	45.6	23.1	69.3	





#79

sec-Butylbenzene

Concen: 10.99 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU023533.D

Acq: 30 Apr 2018 17:46

Instrument :

MSVOA_U

ClientSampleId :

ICVVU043018

Tot Ion: 105 Resp: 722722

Ion Ratio Lower Upper

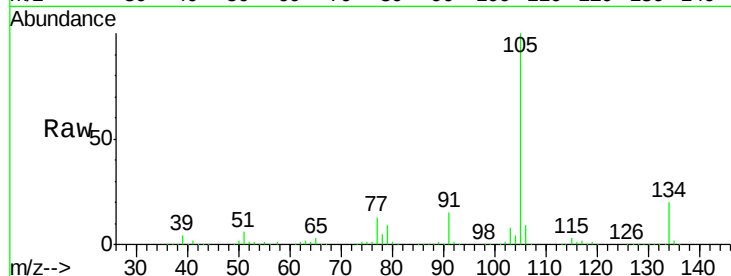
105 100

134 19.9 15.6 23.4

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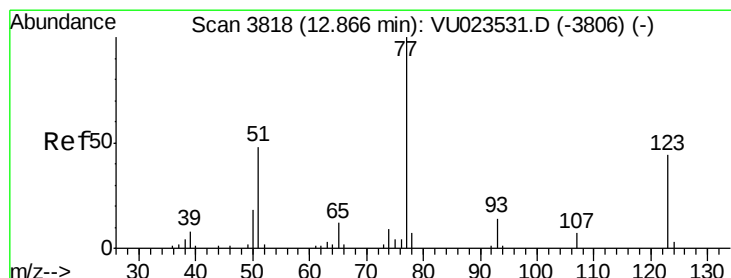
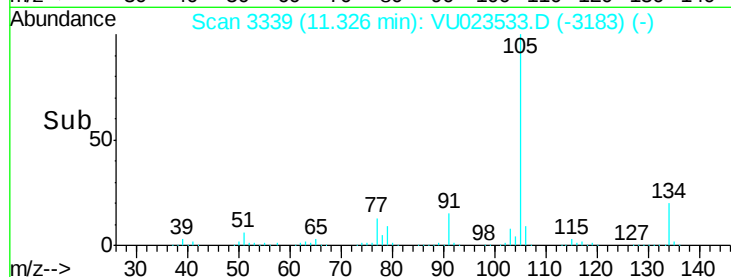
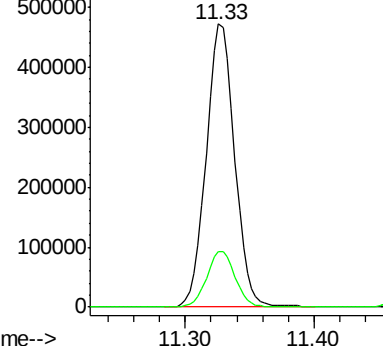
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 12.00 ug/l

RT: 12.87 min Scan# 3819

Delta R.T. 0.00 min

Lab File: VU023533.D

Acq: 30 Apr 2018 17:46

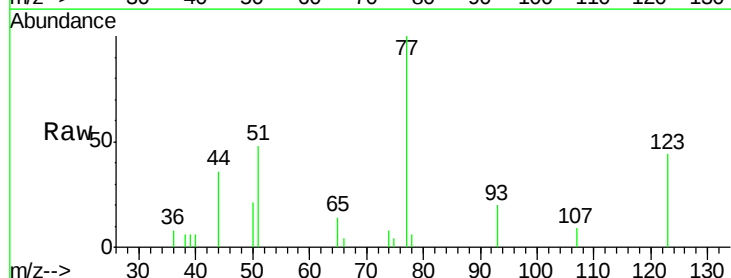
Tgt Ion: 77 Resp: 4785

Ion Ratio Lower Upper

77 100

123 41.1 19.4 68.6

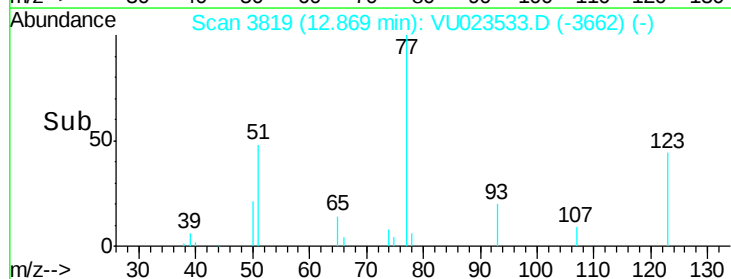
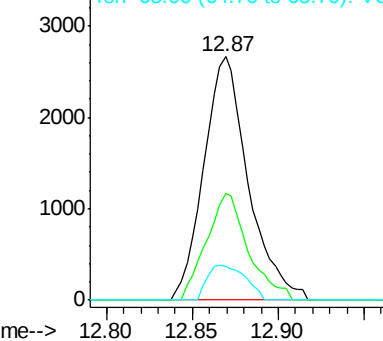
65 12.2 11.2 14.2

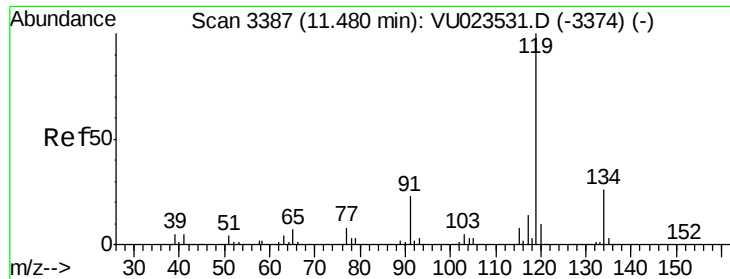


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





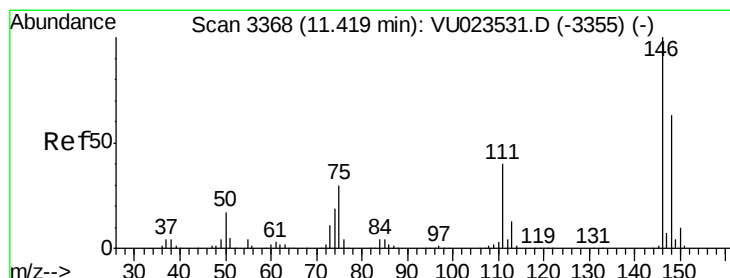
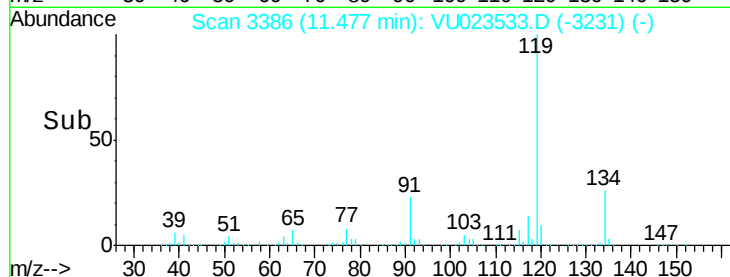
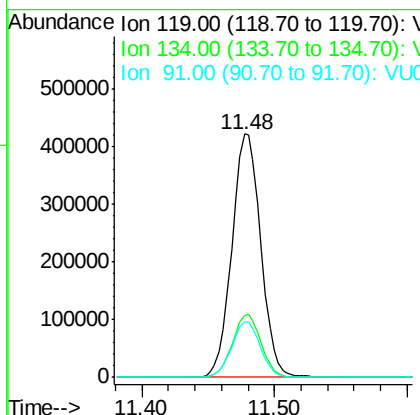
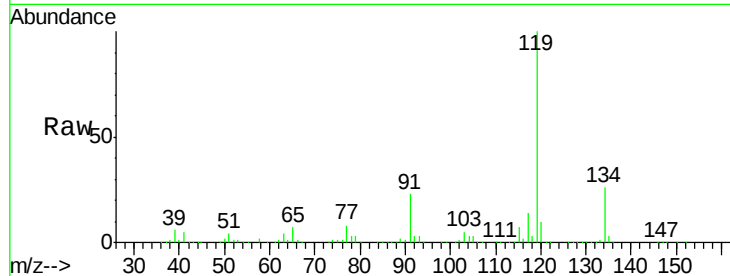
#81
 p-Isopropyltoluene
 Concen: 11.77 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU023533.D
 Acq: 30 Apr 2018 17:46

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU043018

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.7	20.9	31.3
91	22.7	18.2	27.2

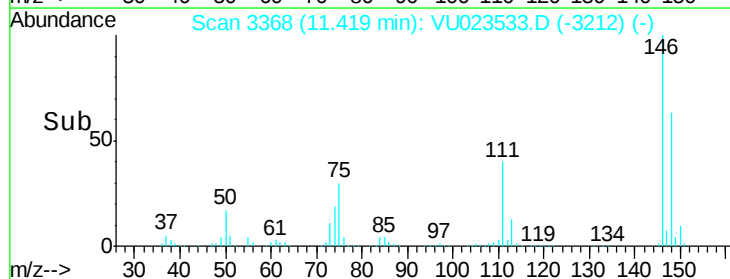
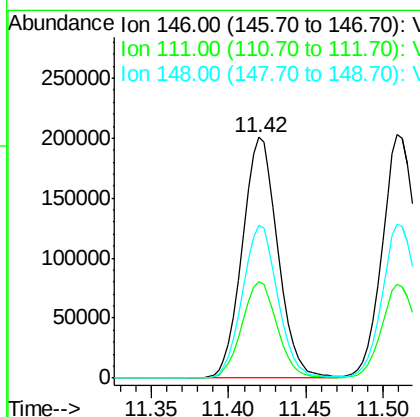
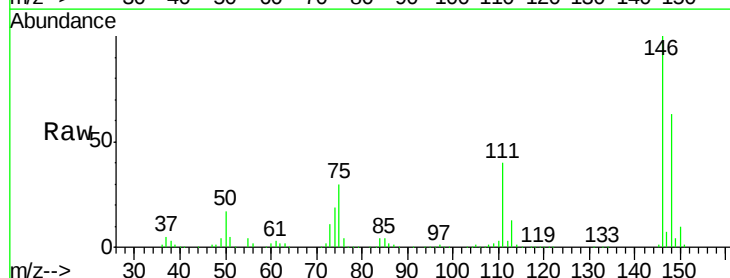
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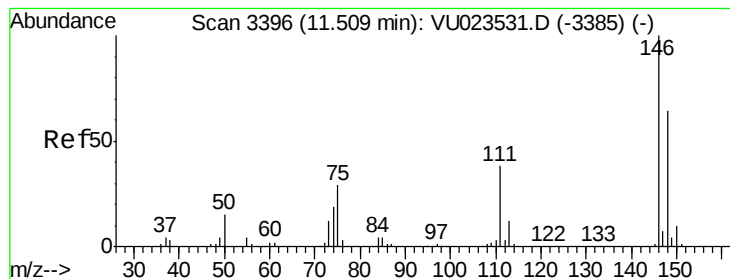
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#82
 1,3-Dichlorobenzene
 Concen: 10.87 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU023533.D
 Acq: 30 Apr 2018 17:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	31.8	47.6
148	63.3	51.0	76.4





#83

1,4-Dichlorobenzene

Concen: 11.03 ug/l

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU023533.D

Acq: 30 Apr 2018 17:46

Instrument :

MSVOA_U

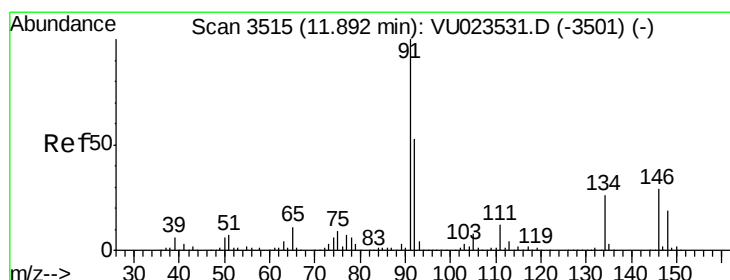
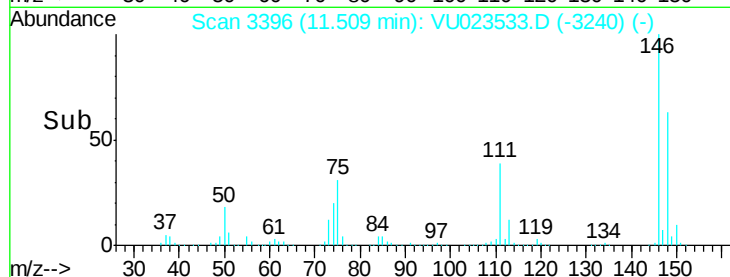
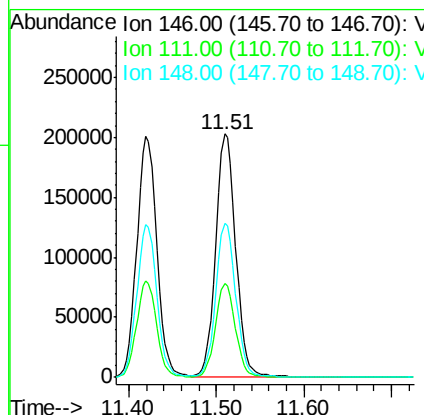
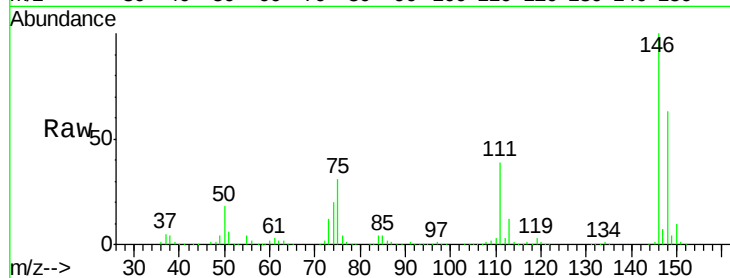
ClientSampleId :

ICVVU043018

Tot Ion:	146	Resp:	325404
Ion Ratio	Lower	Upper	
146	100		
111	37.8	30.1	45.1
148	63.6	50.6	76.0

Manual Integrations
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#84

n-Butylbenzene

Concen: 11.81 ug/l

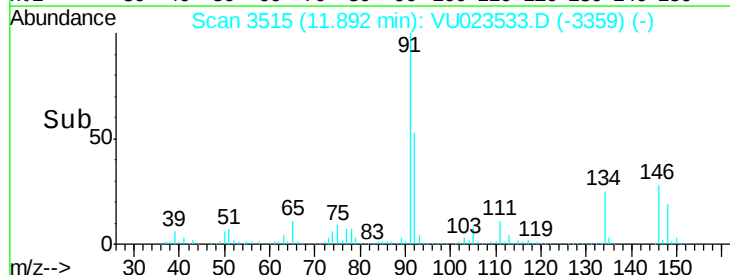
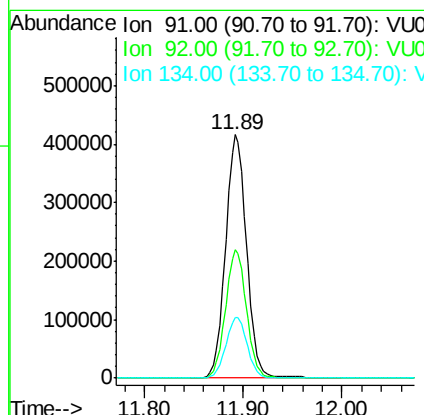
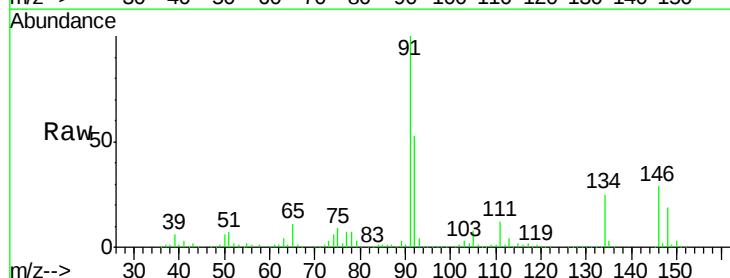
RT: 11.89 min Scan# 3515

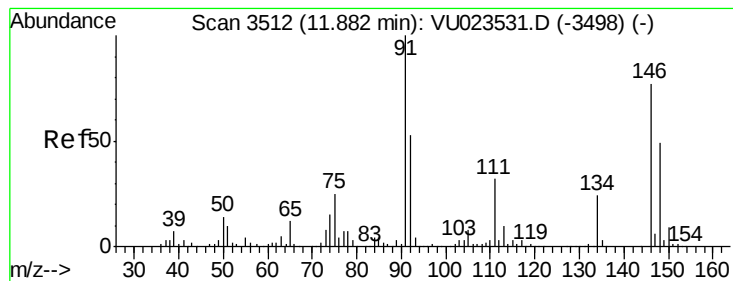
Delta R.T. 0.00 min

Lab File: VU023533.D

Acq: 30 Apr 2018 17:46

Tgt Ion:	91	Resp:	622726
Ion Ratio	Lower	Upper	
91	100		
92	52.5	42.2	63.2
134	25.2	20.3	30.5





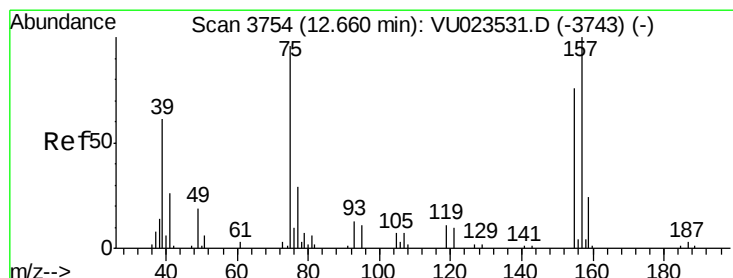
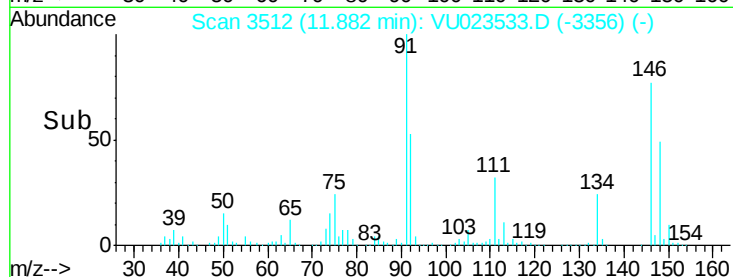
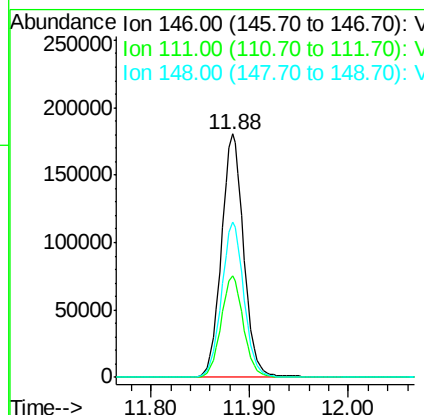
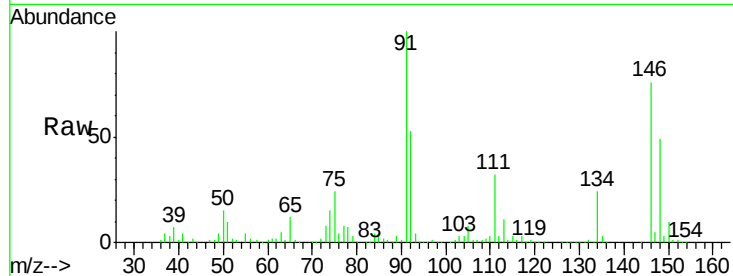
#85
 1,2-Dichlorobenzene
 Concen: 10.72 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU023533.D
 Acq: 30 Apr 2018 17:46

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU043018

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.7	62.1
148	64.3	31.9	95.5

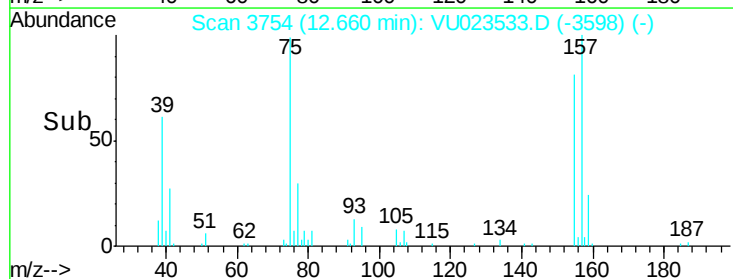
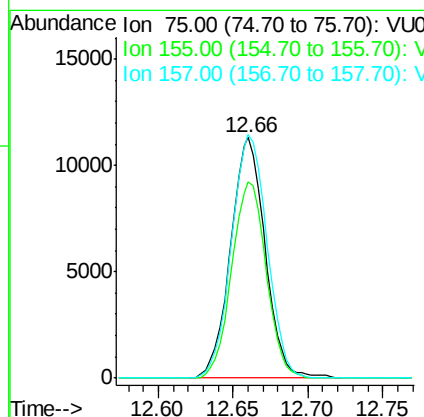
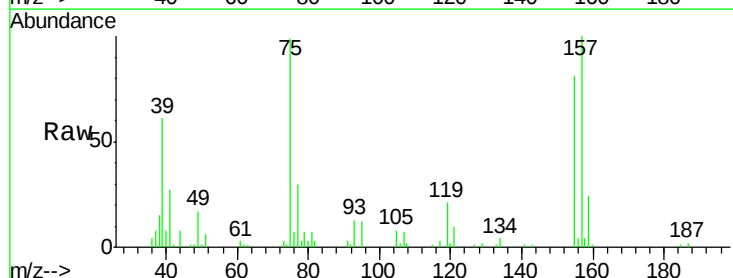
Manual Integrations
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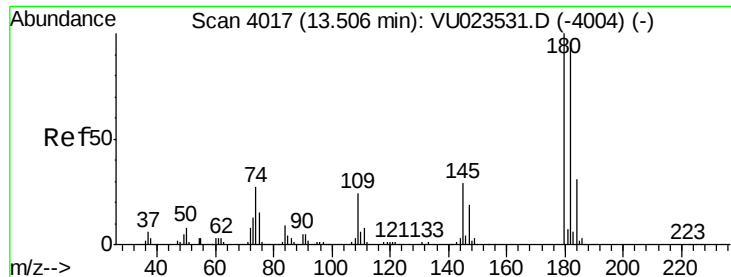
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 11.26 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU023533.D
 Acq: 30 Apr 2018 17:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.2	65.8	98.6
157	104.2	83.5	125.3





#87

1,2,4-Trichlorobenzene

Concen: 11.82 ug/l

RT: 13.51 min Scan# 4017

Delta R.T. 0.00 min

Lab File: VU023533.D

Acq: 30 Apr 2018 17:46

Instrument :

MSVOA_U

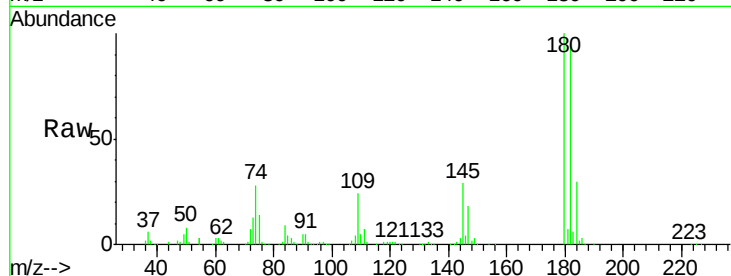
ClientSampleId :

ICVVU043018

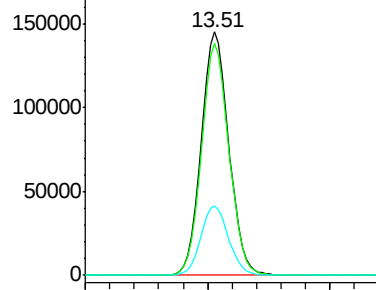
Tot Ion:	180	Resp:	228170
Ion Ratio	Lower	Upper	
180	100		
182	94.8	77.1	115.7
145	28.7	23.3	34.9

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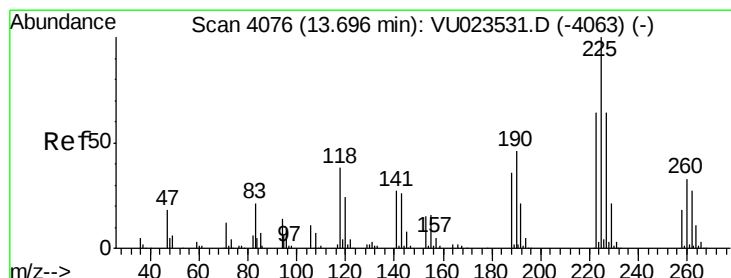
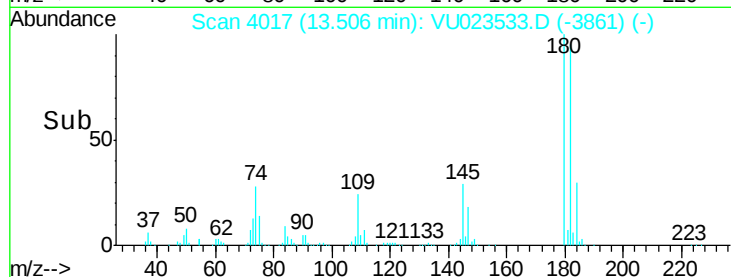
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Abundance Ion 179.70 (179.40 to 180.40): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



Time--> 13.40 13.50 13.60



#88

Hexachlorobutadiene

Concen: 10.78 ug/l

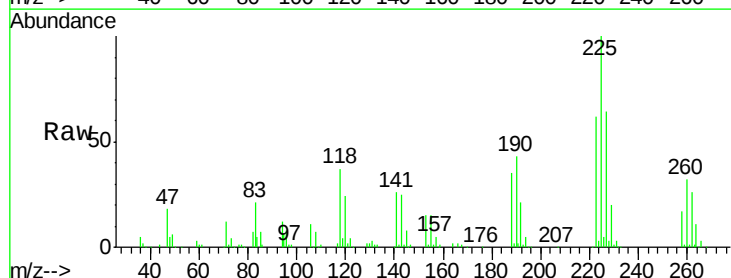
RT: 13.70 min Scan# 4076

Delta R.T. 0.00 min

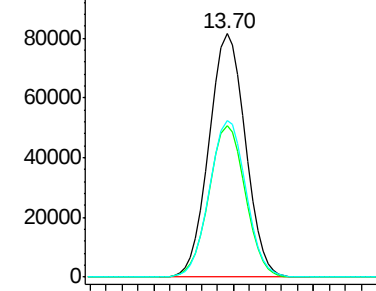
Lab File: VU023533.D

Acq: 30 Apr 2018 17:46

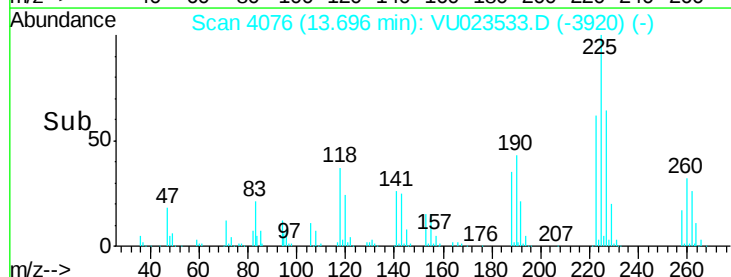
Tgt Ion:	225	Resp:	126155
Ion Ratio	Lower	Upper	
225	100		
223	62.1	50.6	75.8
227	64.5	51.8	77.6

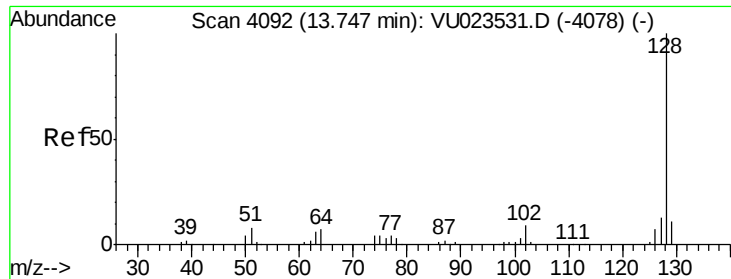


Abundance Ion 224.60 (224.30 to 225.30): V
Ion 222.60 (222.30 to 223.30): V
Ion 226.60 (226.30 to 227.30): V



Time--> 13.65 13.70 13.75





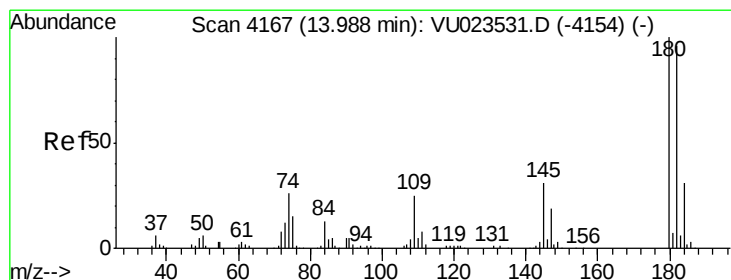
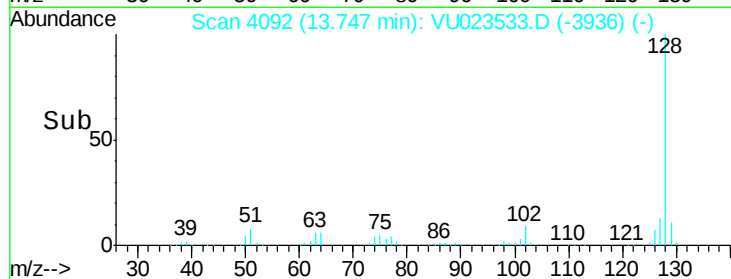
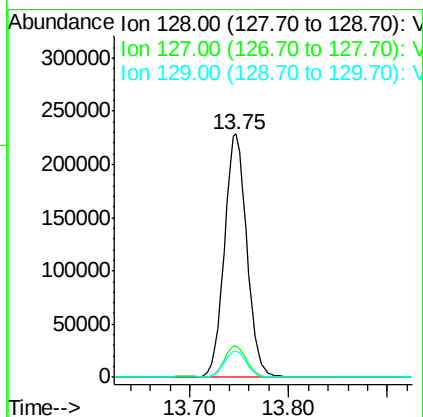
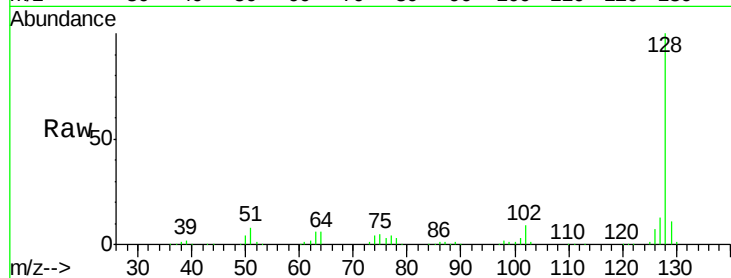
#89
Naphthalene
Concen: 12.59 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU023533.D
Acq: 30 Apr 2018 17:46

Instrument :
MSVOA_U
ClientSampleId :
ICVVU043018

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.8	8.7	13.1

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#90
1,2,3-Trichlorobenzene
Concen: 11.06 ug/l
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU023533.D
Acq: 30 Apr 2018 17:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	76.8	115.2
145	30.7	24.6	36.8

