

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU043018\
 Data File : VU023542.D
 Acq On : 30 Apr 2018 22:25
 Operator : MD/SY
 Sample : VU0430WBSD01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VU0430WBSD01

Manual Integrations
 APPROVED

Quant Time: May 01 05:53:09 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) 5/3/2018 4:49:19 PM

 1) Fluorobenzene 5.74 96 46017 1.00 ug/l 0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	15635	1.04 ug/l	0.00
Spiked Amount 1.000			Recovery	= 104.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	16120	1.10 ug/l	0.00
Spiked Amount 1.000			Recovery	= 110.00%	

Target Compounds

	R.T.	QIon	Response	Conc	Units	Dev(Min)	Ovalue
2) Dichlorodifluoromethane	1.20	85	31660	2.12	ug/l		99
3) Chloromethane	1.33	50	36780	2.12	ug/l		100
4) Vinyl Chloride	1.40	62	35373	2.13	ug/l		89
5) Bromomethane	1.63	94	22690	2.56	ug/l		98
6) Chloroethane	1.70	64	19055	2.06	ug/l		95
7) Trichlorofluoromethane	1.89	101	41643	2.18	ug/l		100
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	23846	2.04	ug/l		100
9) 1,1-Dichloroethene	2.29	96	22743	2.09	ug/l		96
10) Iodomethane	2.41	142	20144	1.56	ug/l		98
11) Allyl Chloride	2.60	41	41057	2.05	ug/l		98
12) Acrylonitrile	2.96	53	10685	4.76	ug/l #		95
13) Acetone	2.36	43	20383	10.70	ug/l		92
14) Carbon Disulfide	2.48	76	73370	2.05	ug/l		100
15) Methylene Chloride	2.70	84	25000	2.02	ug/l		98
16) trans-1,2-Dichloroethene	2.99	96	23972	2.06	ug/l		99
17) 1,1-Dichloroethane	3.45	63	47736	2.08	ug/l		99
18) 2-Butanone	4.31	43	31475	10.23	ug/l		100
19) Cyclohexane	4.99	56	41066	2.07	ug/l		99
20) Methylcyclohexane	6.41	83	36578	1.81	ug/l		97
21) 2,2-Dichloropropane	4.23	77	35072	1.93	ug/l		99
22) cis-1,2-Dichloroethene	4.23	96	26409	2.09	ug/l		99
23) Diethyl Ether	2.11	59	18833	2.12	ug/l		98
24) tert-Butyl Alcohol	2.93	59	11820m	18.27	ug/l		
25) Methyl tert-Butyl Ether	3.01	73	57204	2.09	ug/l		98
26) Bromochloromethane	4.55	128	10581	2.12	ug/l		100
27) Chloroform	4.68	83	45220	2.09	ug/l		98
28) 1,1,1-Trichloroethane	4.91	97	36745	2.07	ug/l		99
29) 1,1-Dichloropropene	5.13	75	35718	2.05	ug/l		98
30) Carbon Tetrachloride	5.13	117	30420	2.04	ug/l		96
31) Isopropyl Ether	3.58	45	77373	2.00	ug/l		97
32) Ethyl-t-butyl ether	4.09	59	67045	2.03	ug/l		99
33) Tert-Amyl methyl ether	5.59	73	54067	1.93	ug/l		99
34) Propionitrile	4.37	54	8288	9.46	ug/l #		87
35) Benzene	5.39	78	105069	2.03	ug/l		99
36) 1,2-Dichloroethane	5.41	62	31068	2.12	ug/l		99
37) Trichloroethene	6.18	130	28046	2.02	ug/l		98
38) 1,2-Dichloropropane	6.44	63	29546	2.08	ug/l		96
39) Methacrylonitrile	4.56	41	9453	2.11	ug/l		98
40) Methyl acrylate	4.45	55	14618	2.35	ug/l #		94
41) Tetrahydrofuran	4.68	42	9700	4.20	ug/l		96
42) 1-Chlorobutane	5.07	56	51856	2.06	ug/l		99

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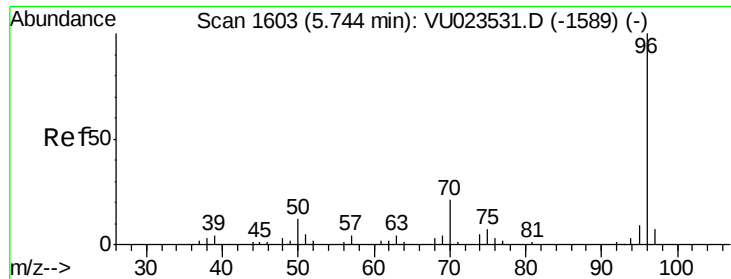
Manual Integrations
 APPROVED

Quant Time: May 01 05:53:09 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

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	5/3/2018 4:49:19 PM
43) Dibromomethane	6.57	93	13155	2.16	ug/l	99	
44) Bromodichloromethane	6.76	83	31484	2.05	ug/l	99	
45) 4-Methyl-2-Pentanone	7.48	43	73807	10.24	ug/l	97	
46) t-1,4-Dichloro-2-butene	10.52	75	7984m	3.75	ug/l		
47) Methyl methacrylate	6.64	69	22362	4.05	ug/l	99	
48) Ethyl methacrylate	8.03	69	18488	1.91	ug/l	96	
49) Toluene	7.64	92	60897	2.04	ug/l	100	
50) t-1,3-Dichloropropene	7.89	75	26267	2.01	ug/l	99	
51) cis-1,3-Dichloropropene	7.27	75	32948	1.94	ug/l	100	
52) 1,1,2-Trichloroethane	8.07	97	18887	2.18	ug/l	97	
53) 1,3-Dichloropropane	8.25	76	32024	2.08	ug/l	98	
54) 2-Hexanone	8.38	43	47161	9.61	ug/l	96	
55) Dibromochloromethane	8.48	129	19943	2.10	ug/l	98	
56) 1,2-Dibromoethane	8.59	107	15860	2.12	ug/l	99	
58) Tetrachloroethene	8.23	164	25994	2.05	ug/l	96	
59) Chlorobenzene	9.12	112	65475	2.05	ug/l	99	
60) 1,1,1,2-Tetrachloroethane	9.21	131	21994	2.03	ug/l	98	
61) Pentachloroethane	11.10	117	17024	2.21	ug/l	91	
62) Hexachloroethane	12.15	117	16092	2.18	ug/l	96	
63) Ethyl Benzene	9.25	91	105074	1.98	ug/l	100	
64) m/p-Xylenes	9.38	106	82212	4.01	ug/l	99	
65) o-Xylene	9.78	106	39369	2.00	ug/l	95	
66) Styrene	9.80	104	66738	2.05	ug/l	99	
67) Bromoform	9.96	173	10559	2.13	ug/l	99	
69) Isopropylbenzene	10.17	105	103213	2.03	ug/l	100	
70) 1,1,2,2-Tetrachloroethane	10.46	83	22390	2.29	ug/l	96	
71) 1,2,3-Trichloropropane	10.50	75	17222m	2.46	ug/l		
72) Bromobenzene	10.45	156	26834	2.12	ug/l	97	
73) n-propylbenzene	10.59	120	28370	2.02	ug/l	94	
74) 2-Chlorotoluene	10.66	126	26042	2.10	ug/l	99	
75) 1,3,5-Trimethylbenzene	10.78	105	90533	2.11	ug/l	100	
76) 4-Chlorotoluene	10.78	126	27561	2.14	ug/l	99	
77) tert-Butylbenzene	11.10	119	83638	2.08	ug/l	99	
78) 1,2,4-Trimethylbenzene	11.15	105	93369	2.16	ug/l	98	
79) sec-Butylbenzene	11.33	105	118499	2.11	ug/l	100	
80) Nitrobenzene	12.87	77	3719	11.13	ug/l #	94	
81) p-Isopropyltoluene	11.48	119	97334	2.11	ug/l	99	
82) 1,3-Dichlorobenzene	11.42	146	54384	2.15	ug/l	99	
83) 1,4-Dichlorobenzene	11.51	146	55323	2.19	ug/l	98	
84) n-Butylbenzene	11.89	91	93243	2.07	ug/l	98	
85) 1,2-Dichlorobenzene	11.88	146	49138	2.16	ug/l	100	
86) 1,2-Dibromo-3-Chloropropan	12.66	75	2893	2.10	ug/l	95	
87) 1,2,4-Trichlorobenzene	13.51	180	33605	2.04	ug/l	97	
88) Hexachlorobutadiene	13.70	225	21148	2.11	ug/l	99	
89) Naphthalene	13.75	128	46305	1.86	ug/l	100	
90) 1,2,3-Trichlorobenzene	13.99	180	30996	2.00	ug/l	99	

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



#1

Fluorobenzene

Concen: 1.00 ug/l

RT: 5.74 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VU023542.D

Acq: 30 Apr 2018 22:25

Instrument :

MSVOA_U

ClientSampleId :

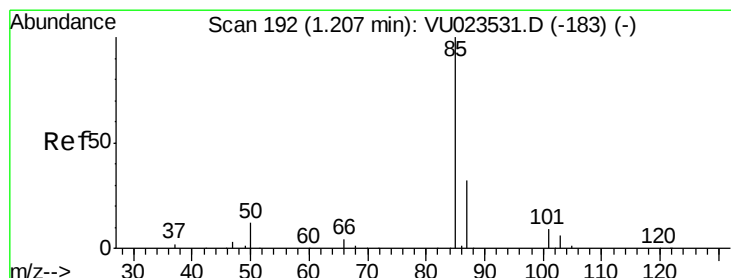
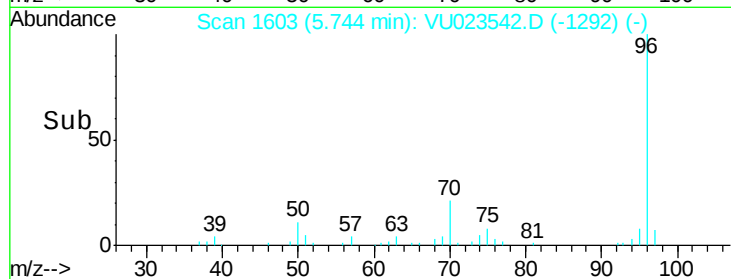
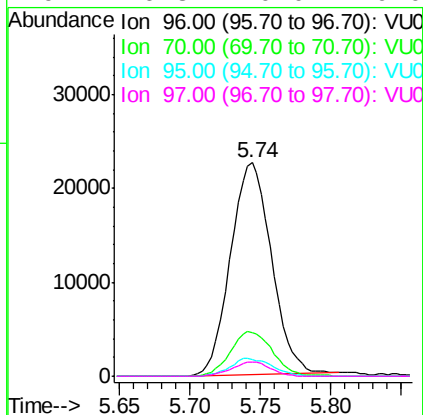
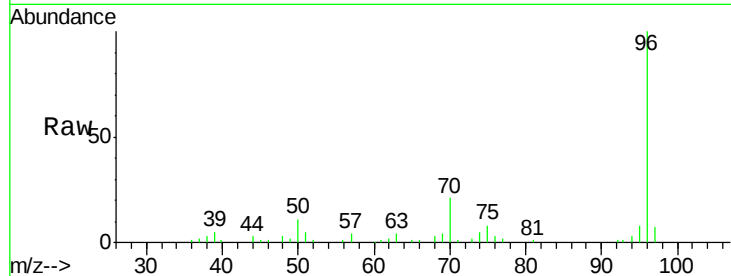
VU0430WBSD01

Tot Ion:	96	Resp:	46017
Ion	Ratio	Lower	Upper
96	100		
70	21.1	16.2	24.4
95	8.7	6.9	10.3
97	6.3	0.0	0.0#

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 2.12 ug/l

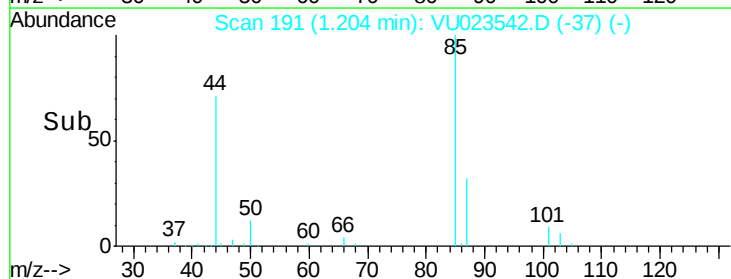
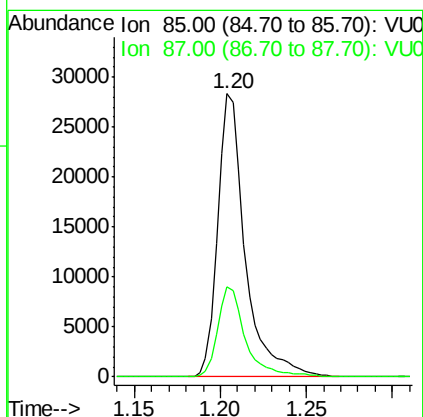
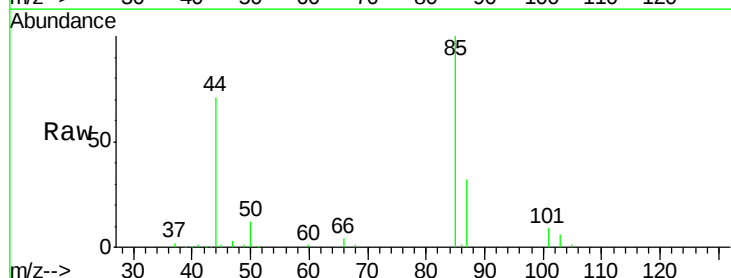
RT: 1.20 min Scan# 191

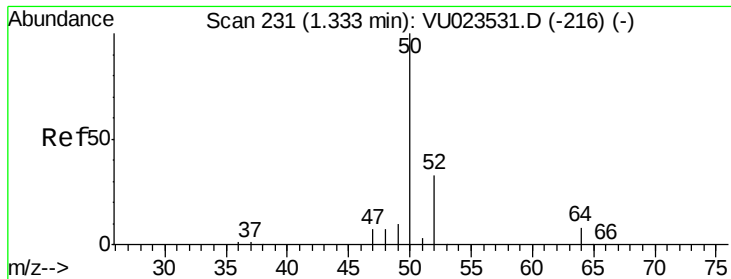
Delta R.T. -0.00 min

Lab File: VU023542.D

Acq: 30 Apr 2018 22:25

Tgt Ion:	85	Resp:	31660
Ion	Ratio	Lower	Upper
85	100		
87	31.7	16.2	48.5





#3

Chloromethane

Concen: 2.12 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU023542.D

Acq: 30 Apr 2018 22:25

Tot Ion: 50 Resp: 36780

Ion Ratio Lower Upper

50 100

52 32.7 26.0 39.0

Instrument :

MSVOA_U

ClientSampled :

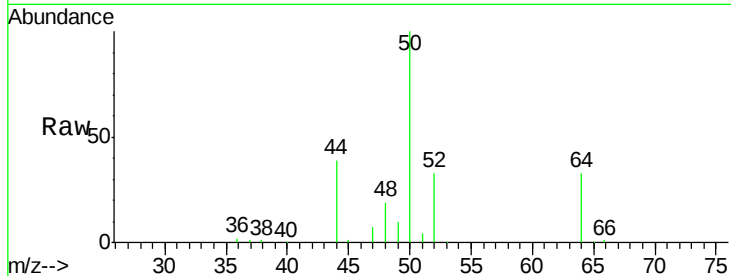
VU0430WBSD01

Manual Integrations

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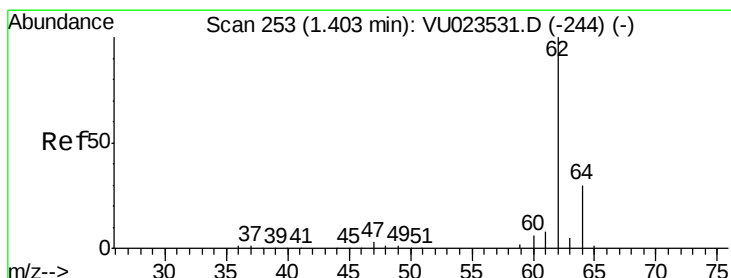
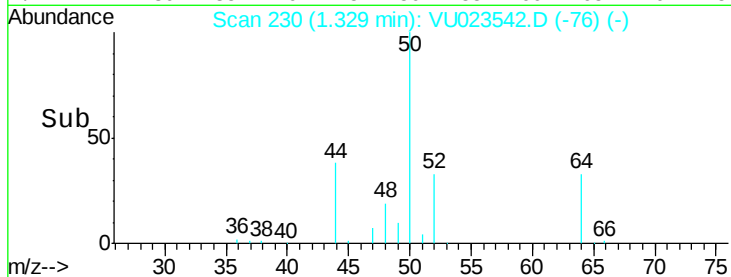
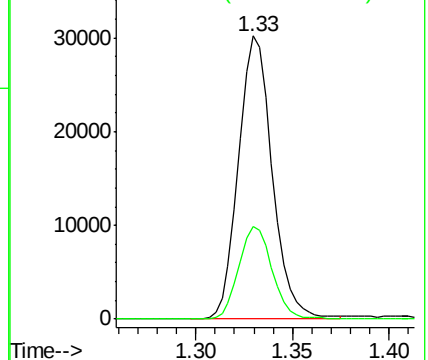
apatel

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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: 2.13 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU023542.D

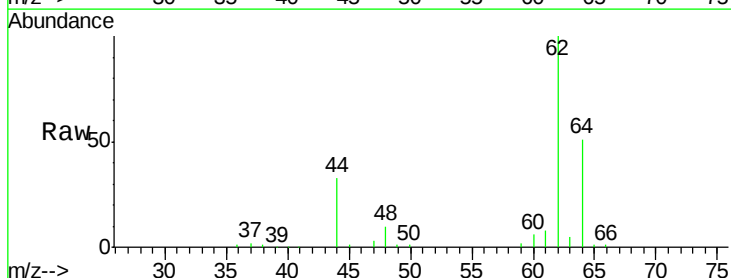
Acq: 30 Apr 2018 22:25

Tgt Ion: 62 Resp: 35373

Ion Ratio Lower Upper

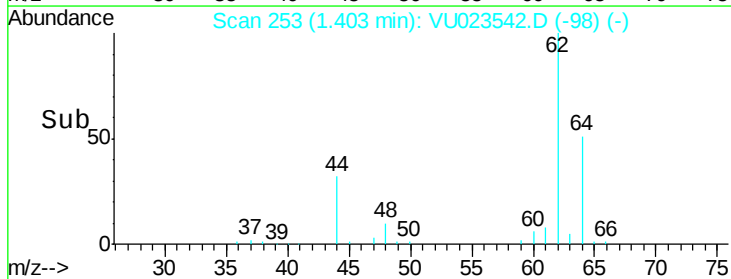
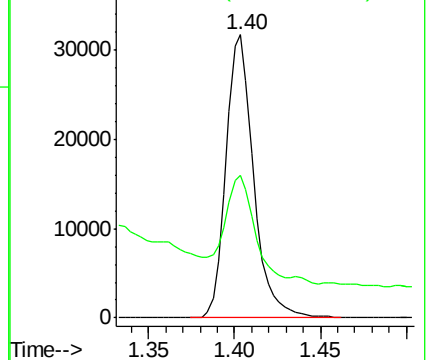
62 100

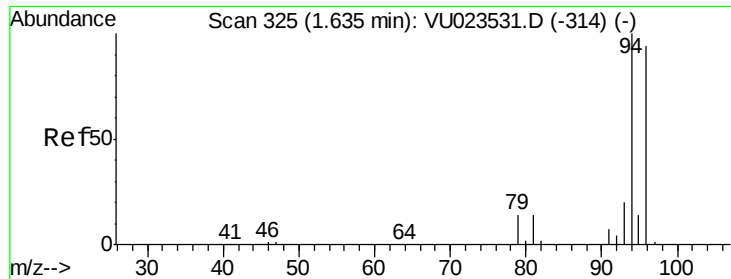
64 38.5 25.8 38.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5

Bromomethane

Concen: 2.56 ug/l

RT: 1.63 min Scan# 324

Delta R.T. -0.00 min

Lab File: VU023542.D

Acq: 30 Apr 2018 22:25

Tot Ion: 94 Resp: 22690

Ion Ratio Lower Upper

94 100

96 92.3 75.1 112.7

Instrument :

MSVOA_U

ClientSampleId :

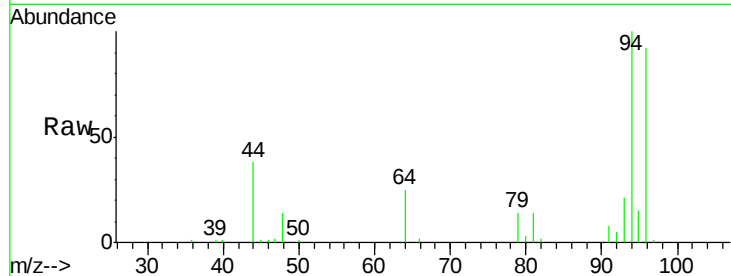
VU0430WBSD01

Manual Integrations

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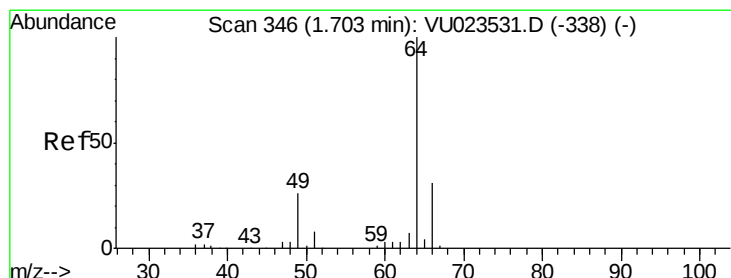
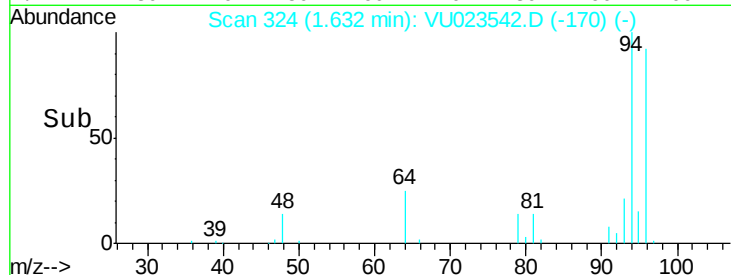
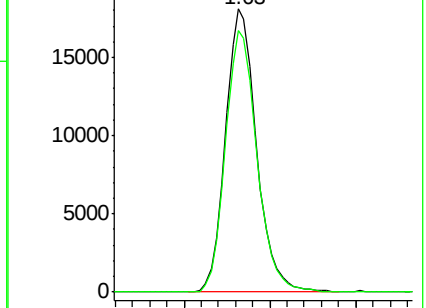
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Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 2.06 ug/l

RT: 1.70 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU023542.D

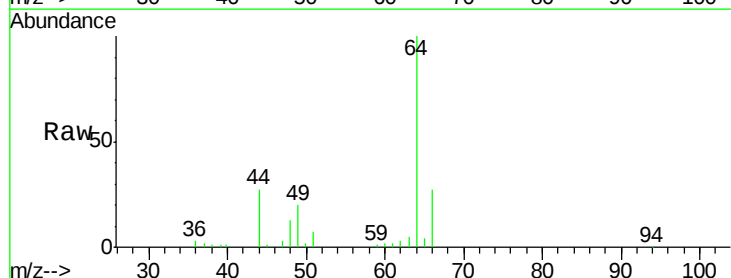
Acq: 30 Apr 2018 22:25

Tgt Ion: 64 Resp: 19055

Ion Ratio Lower Upper

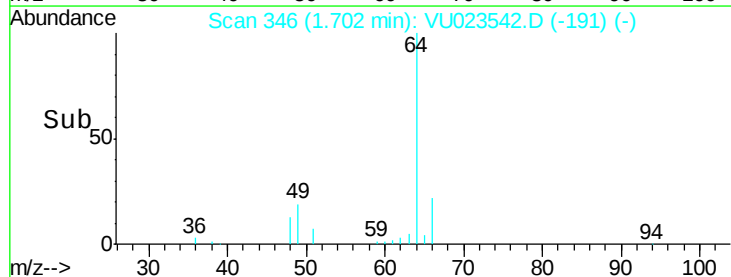
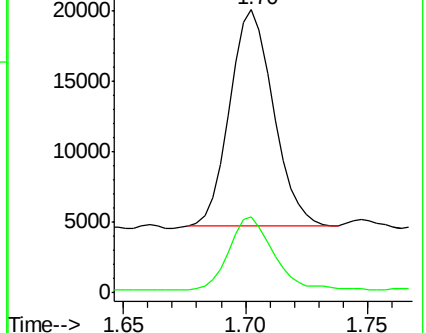
64 100

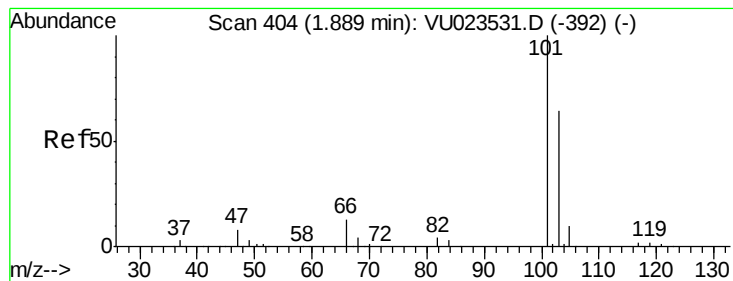
66 33.6 24.9 37.3



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#7

Trichlorofluoromethane

Concen: 2.18 ug/l

RT: 1.89 min Scan# 404

Delta R.T. -0.00 min

Lab File: VU023542.D

Acq: 30 Apr 2018 22:25

Tot Ion:101 Resp: 41643

Ion Ratio Lower Upper

101 100

103 64.0 51.4 77.0

Instrument :

MSVOA_U

ClientSampleId :

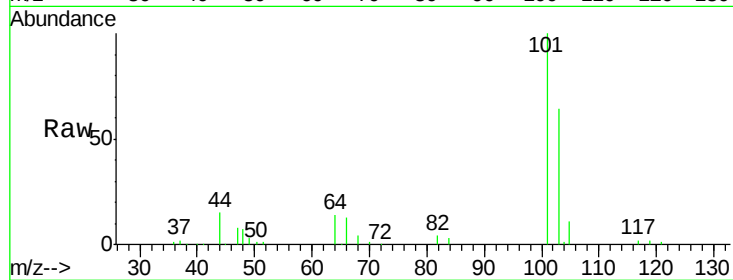
VU0430WBSD01

Manual Integrations

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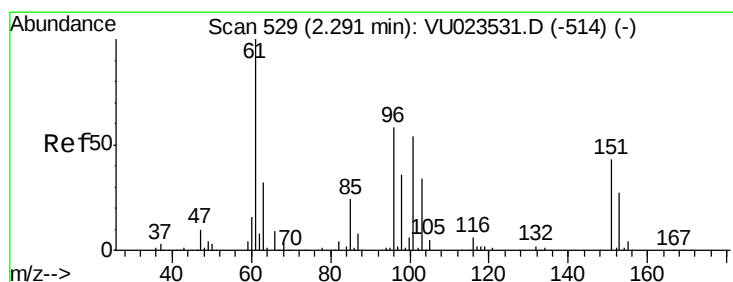
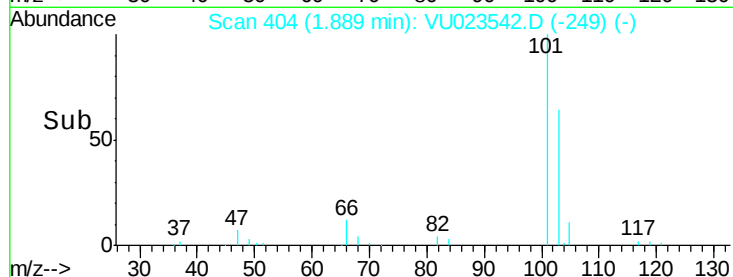
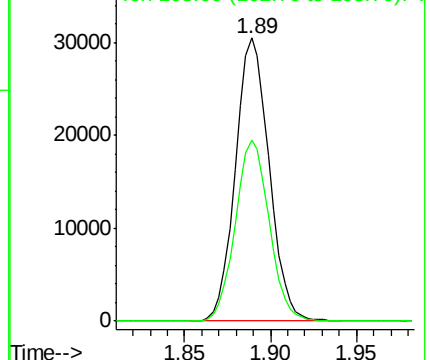
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 2.04 ug/l

RT: 2.29 min Scan# 529

Delta R.T. -0.00 min

Lab File: VU023542.D

Acq: 30 Apr 2018 22:25

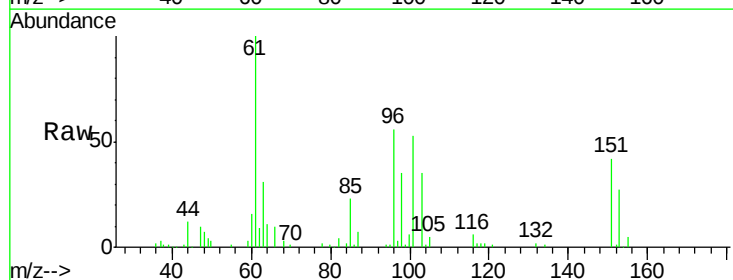
Tgt Ion:101 Resp: 23846

Ion Ratio Lower Upper

101 100

85 44.0 35.2 52.8

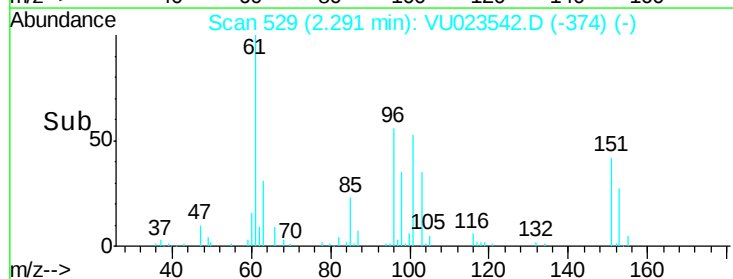
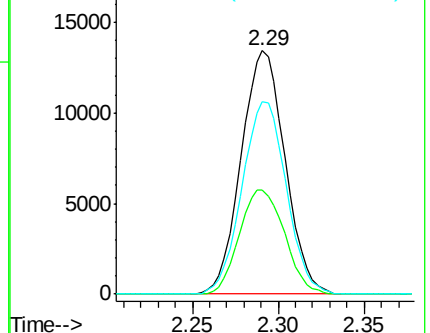
151 79.6 63.5 95.3

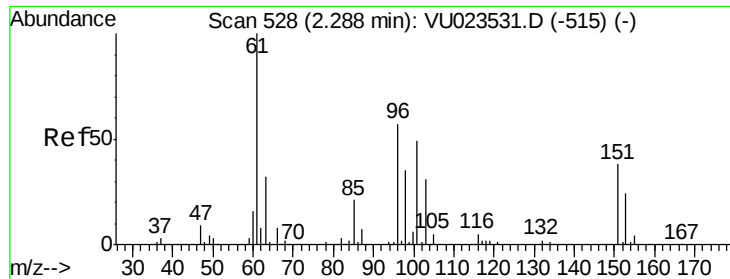


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 2.09 ug/l

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU023542.D

Acq: 30 Apr 2018 22:25

Instrument :

MSVOA_U

ClientSampleId :

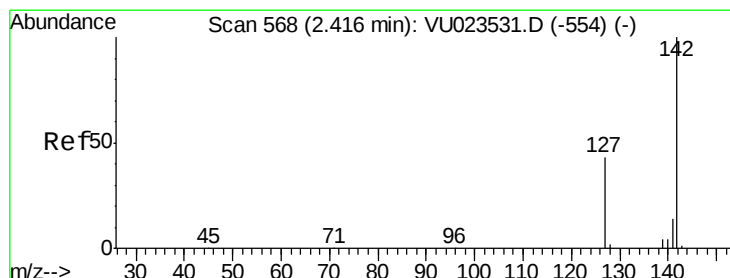
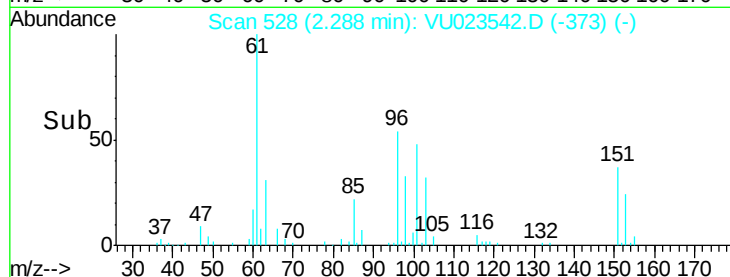
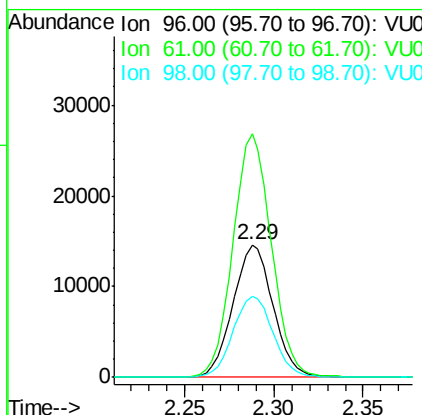
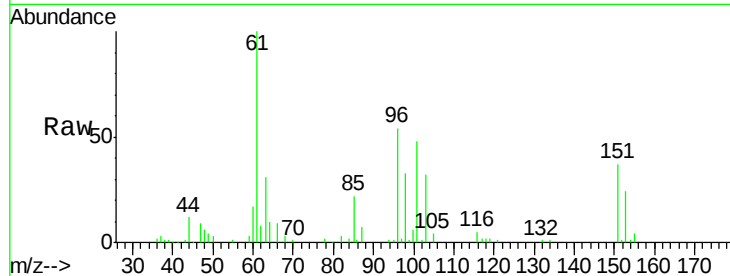
VU0430WBSD01

Tot Ion:	96	Resp:	22743
Ion	Ratio	Lower	Upper
96	100		
61	183.5	0.0	526.5
98	61.1	0.0	123.4

Manual Integrations
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5/3/2018 4:49:19 PM



#10

Iodomethane

Concen: 1.56 ug/l

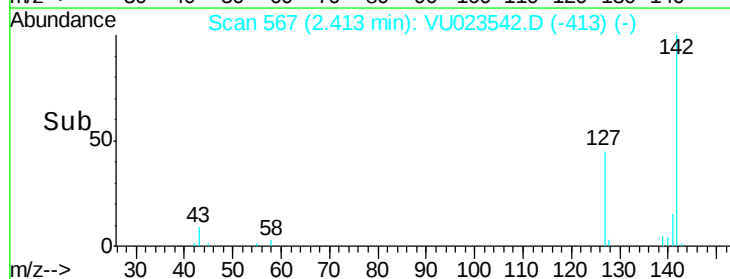
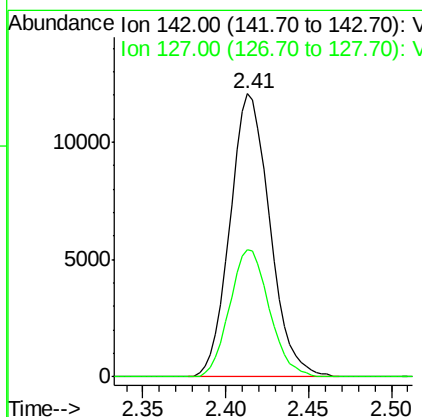
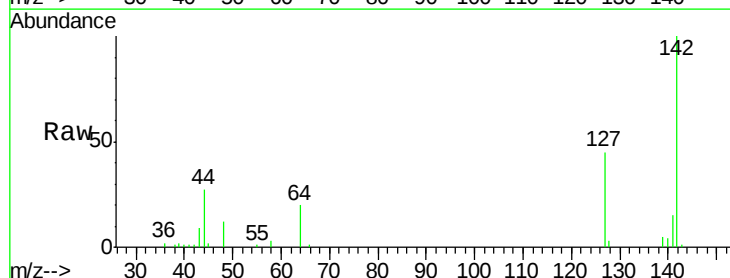
RT: 2.41 min Scan# 567

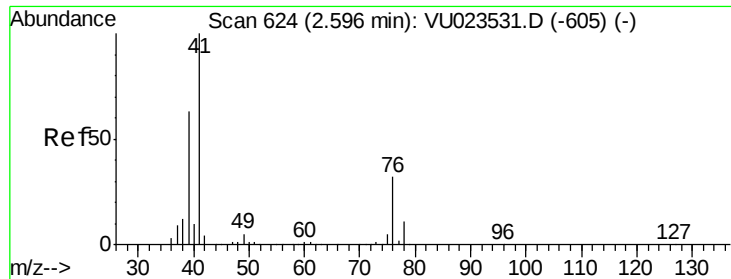
Delta R.T. -0.00 min

Lab File: VU023542.D

Acq: 30 Apr 2018 22:25

Tgt Ion:	142	Resp:	20144
Ion	Ratio	Lower	Upper
142	100		
127	44.7	34.5	51.7





#11
Allvl Chloride
Concen: 2.05 ug/l
RT: 2.60 min Scan# 624
Delta R.T. -0.00 min
Lab File: VU023542.D
Acq: 30 Apr 2018 22:25

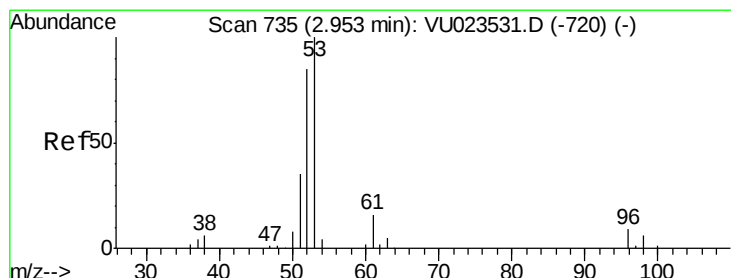
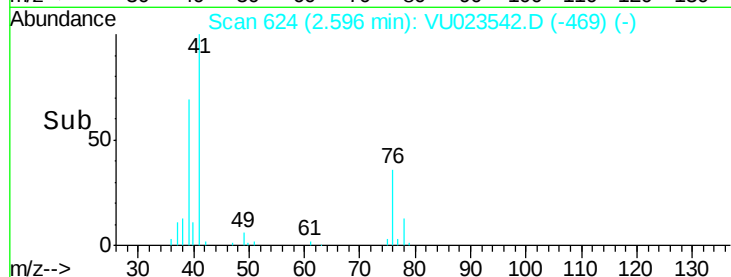
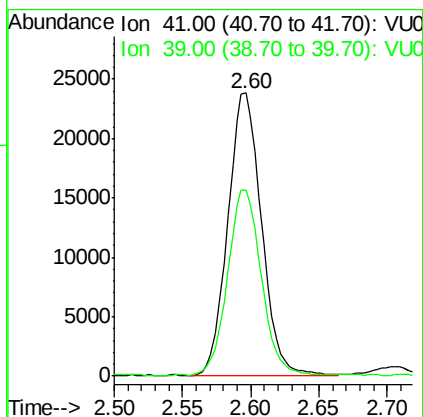
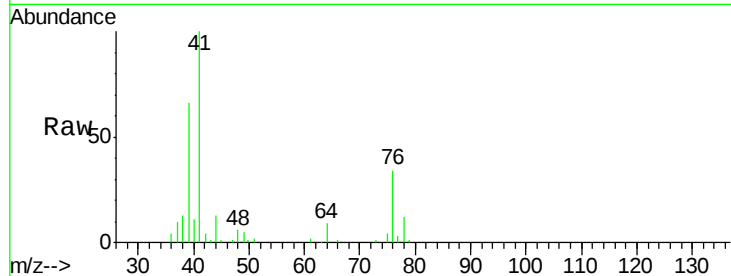
Instrument :
MSVOA_U
ClientSampleId :
VU0430WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	66.1	51.4	77.2

Manual Integrations
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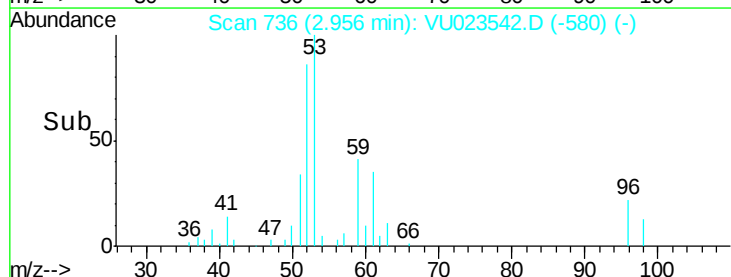
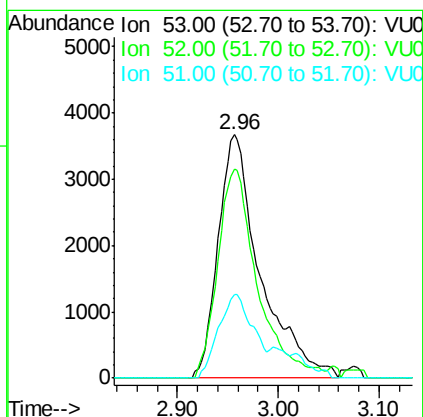
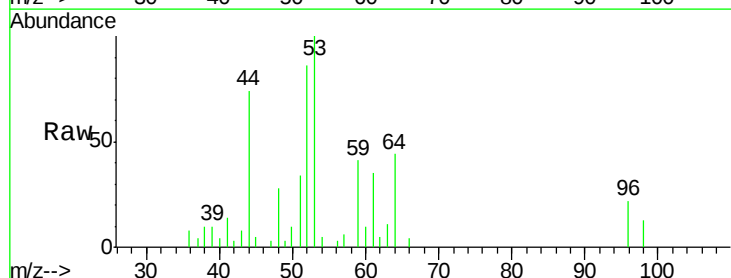
apater

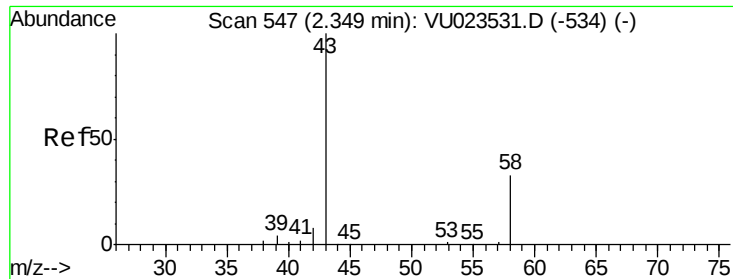
5/3/2018 4:49:19 PM



#12
Acrylonitrile
Concen: 4.76 ug/l
RT: 2.96 min Scan# 736
Delta R.T. 0.00 min
Lab File: VU023542.D
Acq: 30 Apr 2018 22:25

Tgt Ion	Ratio	Lower	Upper
53	100		
52	81.0	65.1	97.7
51	28.4	30.2	45.4#





#13

Acetone

Concen: 10.70 ug/l

RT: 2.36 min Scan# 549

Delta R.T. 0.01 min

Lab File: VU023542.D

Acq: 30 Apr 2018 22:25

Tot Ion: 43 Resp: 20383

Ion Ratio Lower Upper

43 100

58 27.8 26.0 39.0

Instrument :

MSVOA_U

ClientSampleId :

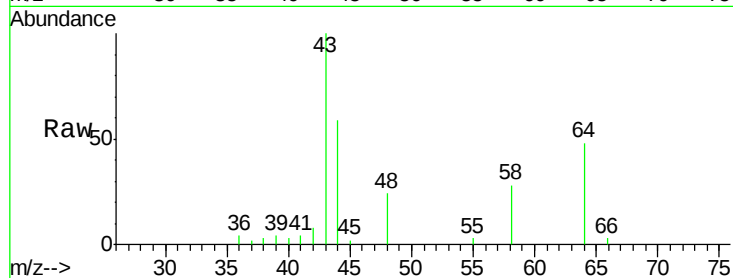
VU0430WBSD01

Manual Integrations

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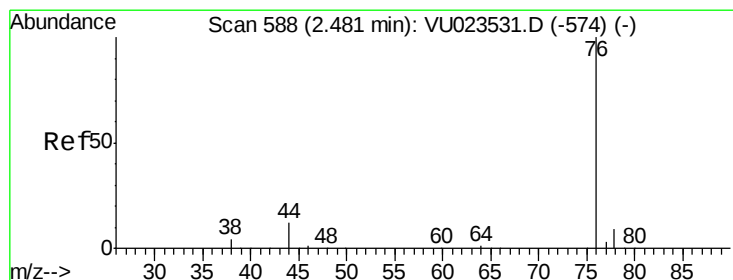
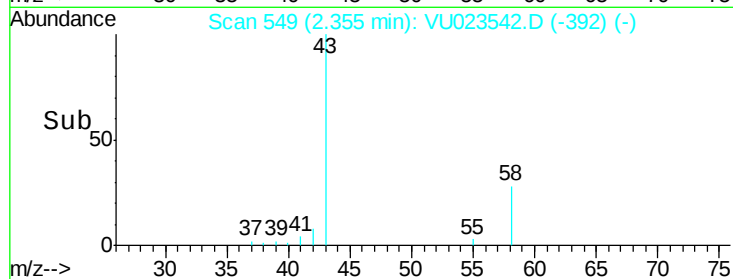
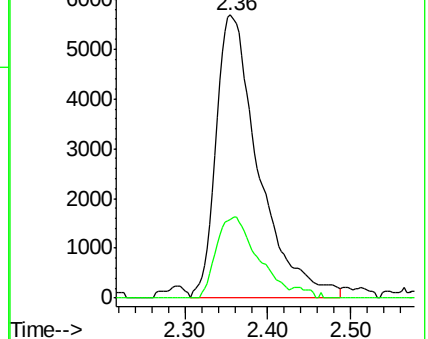
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon Disulfide

Concen: 2.05 ug/l

RT: 2.48 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU023542.D

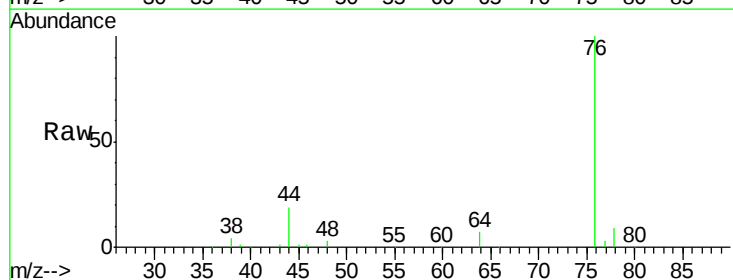
Acq: 30 Apr 2018 22:25

Tgt Ion: 76 Resp: 73370

Ion Ratio Lower Upper

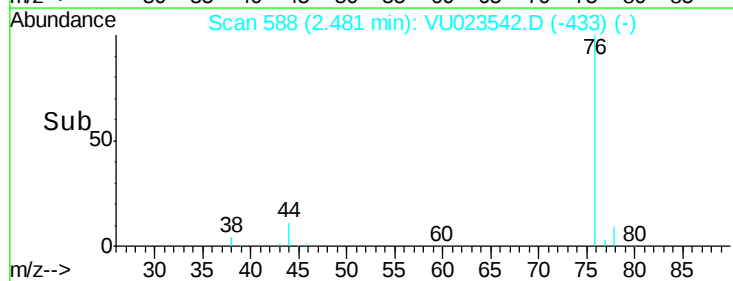
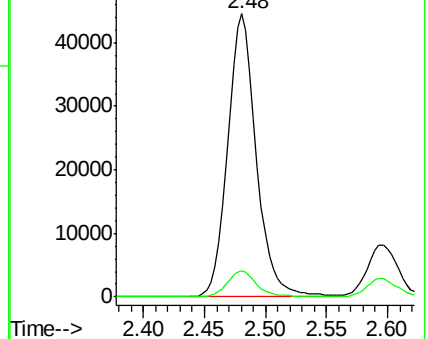
76 100

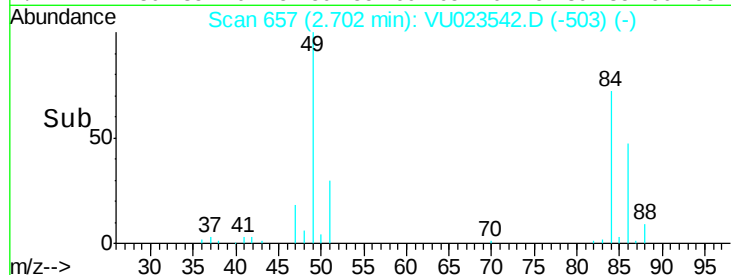
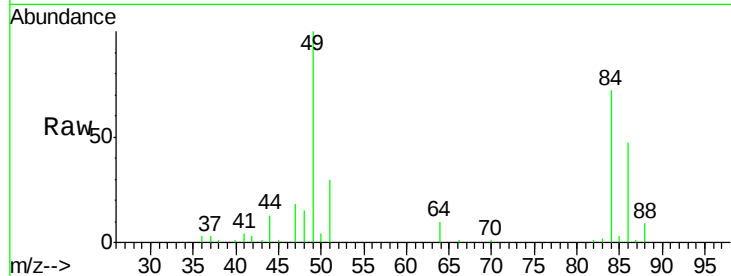
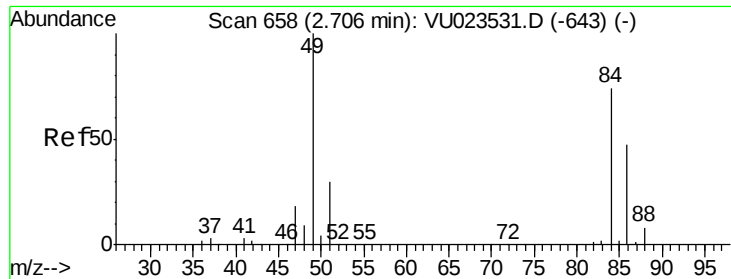
78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU0

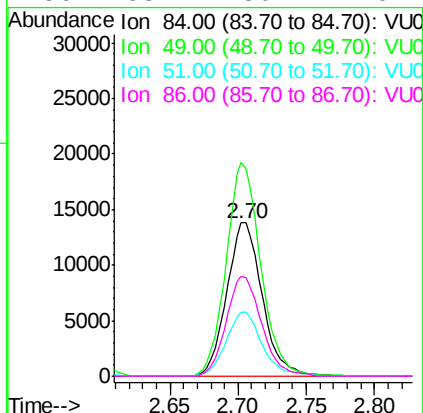
Ion 78.00 (77.70 to 78.70): VU0





#15
Methvlene Chloride
Concen: 2.02 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU023542.D
Acq: 30 Apr 2018 22:25

Tot Ion	84	Resp	25000
Ion	Ratio	Lower	Upper
84	100		
49	139.2	108.7	163.1
51	41.4	0.0	82.4
86	65.1	50.7	76.1

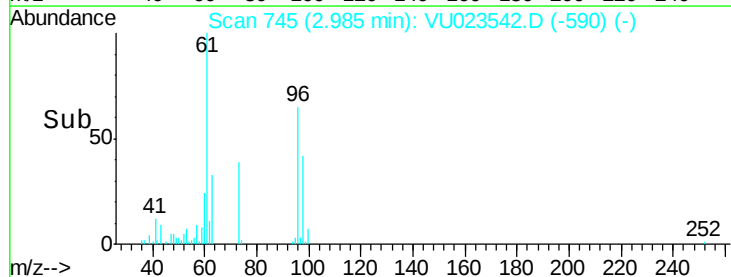
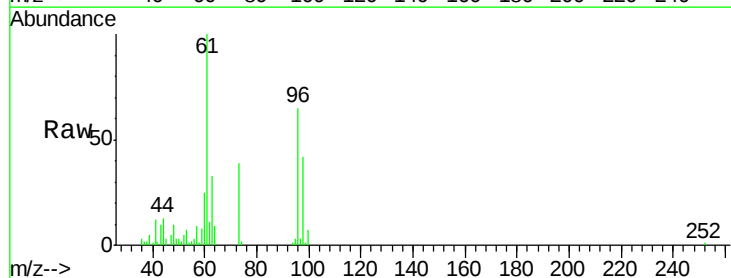
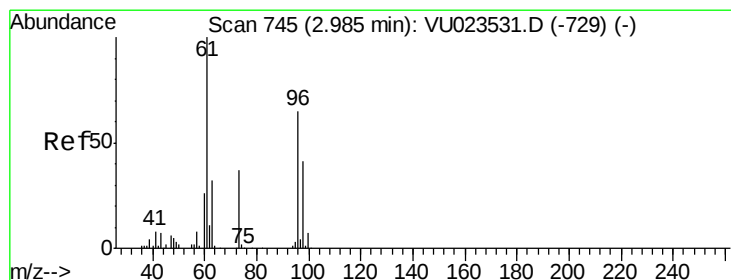


Instrument :
MSVOA_U
ClientSampleId :
VU0430WBSD01

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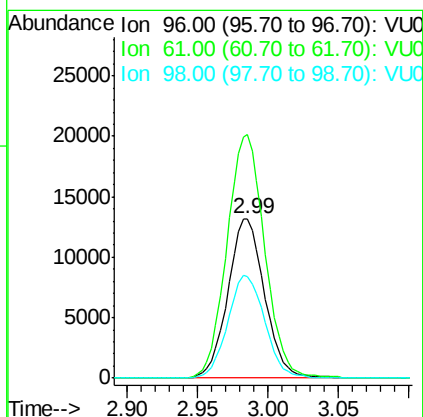
apater

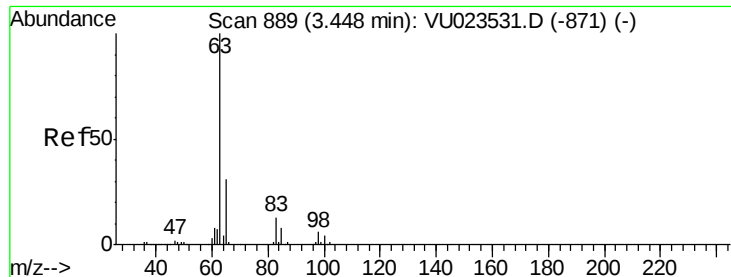
5/3/2018 4:49:19 PM



#16
trans-1,2-Dichloroethene
Concen: 2.06 ug/l
RT: 2.99 min Scan# 745
Delta R.T. -0.00 min
Lab File: VU023542.D
Acq: 30 Apr 2018 22:25

Tgt Ion	96	Resp	23972
Ion	Ratio	Lower	Upper
96	100		
61	153.0	123.9	185.9
98	63.9	50.6	76.0





#17
 1,1-Dichloroethane
 Concen: 2.08 ug/l
 RT: 3.45 min Scan# 889
 Delta R.T. -0.00 min
 Lab File: VU023542.D
 Acq: 30 Apr 2018 22:25

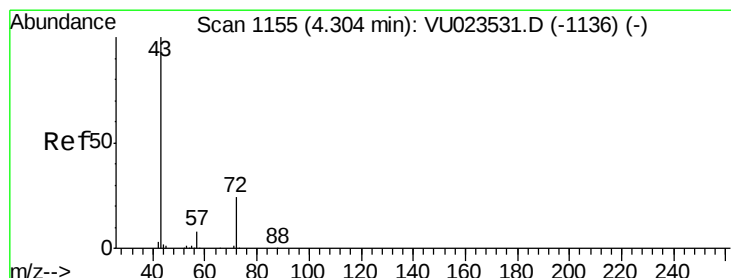
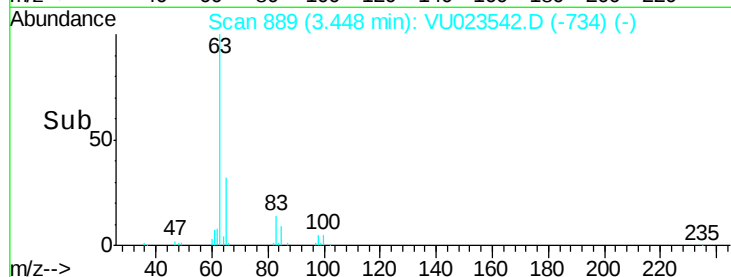
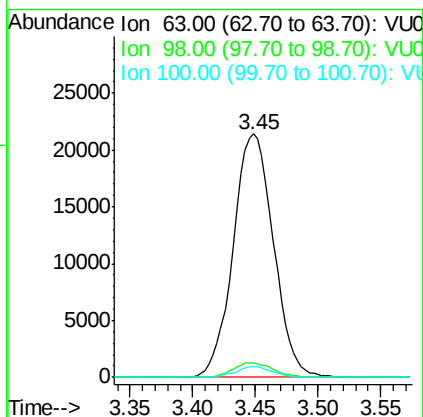
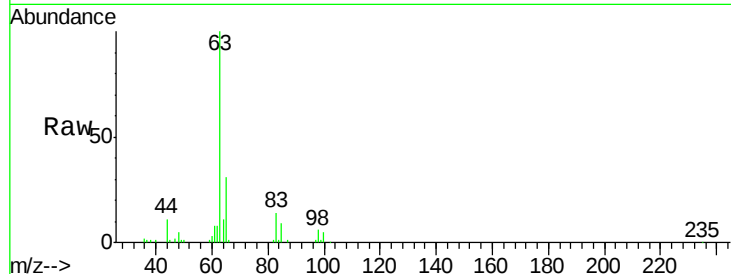
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0430WBSD01

Tot Ion:	63	Resp:	47736
Ion Ratio	Lower	Upper	
63	100		
98	5.7	2.9	8.8
100	4.6	2.0	5.8

Manual Integrations
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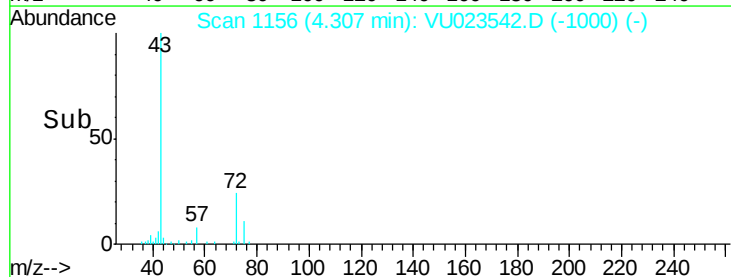
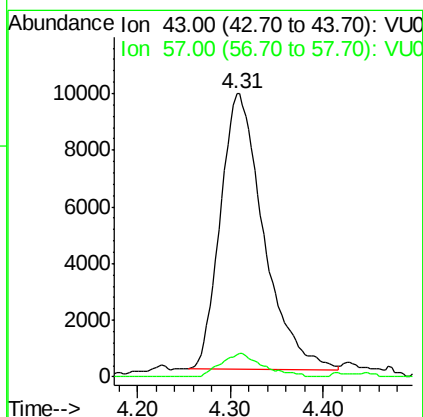
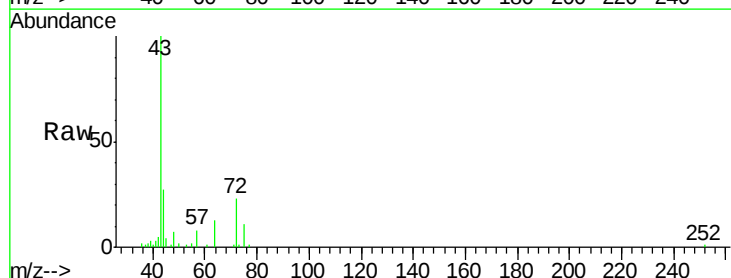
apatel

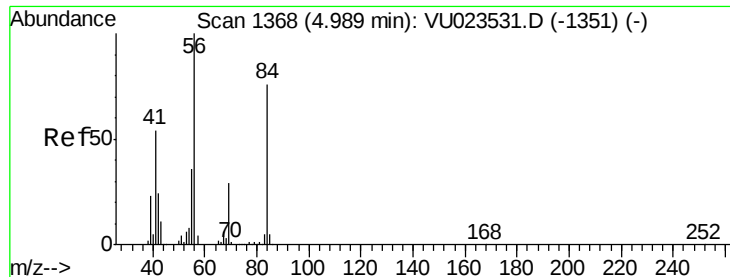
5/3/2018 4:49:19 PM



#18
 2-Butanone
 Concen: 10.23 ug/l
 RT: 4.31 min Scan# 1156
 Delta R.T. 0.00 min
 Lab File: VU023542.D
 Acq: 30 Apr 2018 22:25

Tgt Ion:	43	Resp:	31475
Ion Ratio	Lower	Upper	
43	100		
57	8.0	0.0	15.8





#19

Cyclohexane

Concen: 2.07 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU023542.D

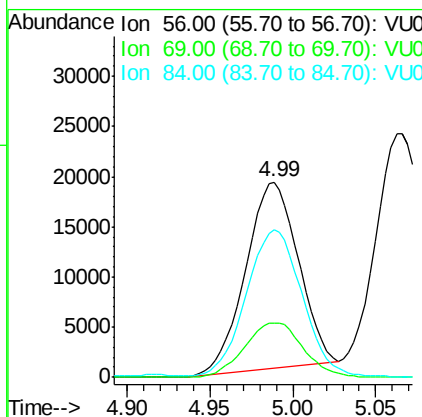
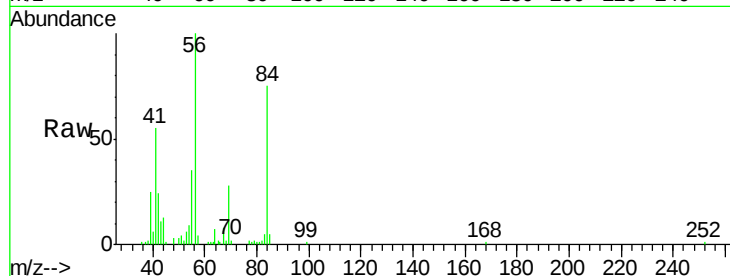
Acq: 30 Apr 2018 22:25

Tot Ion:	56	Resp:	41066
Ion	Ratio	Lower	Upper
56	100		
69	32.4	26.0	39.0
84	84.0	68.3	102.5

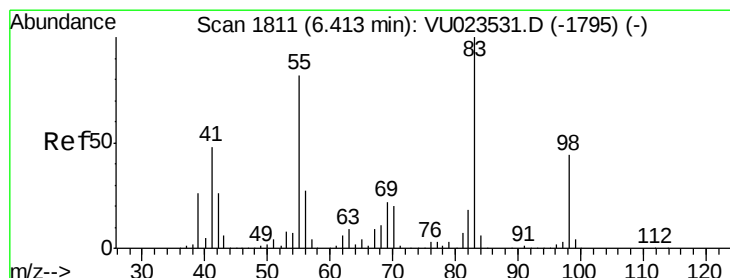
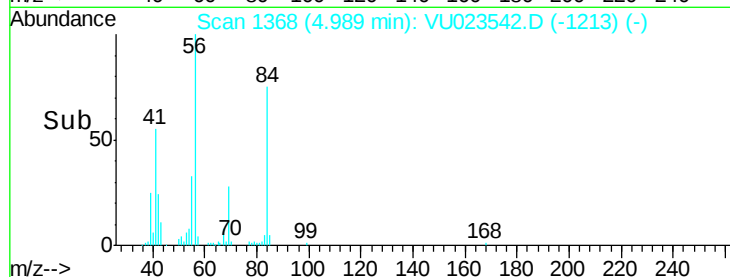
Instrument :
MSVOA_U
ClientSampleId :
VU0430WBSD01

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#20

Methylcyclohexane

Concen: 1.81 ug/l

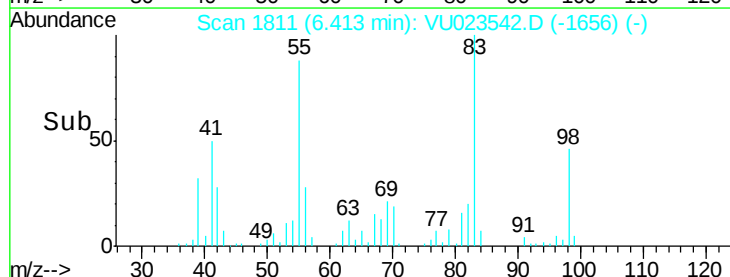
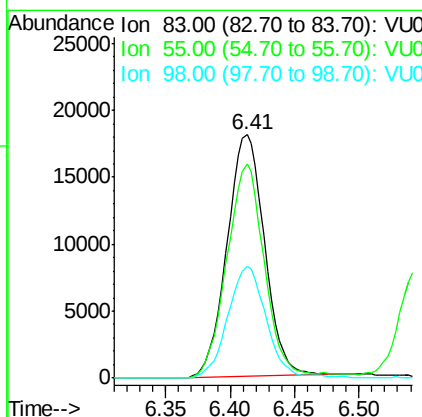
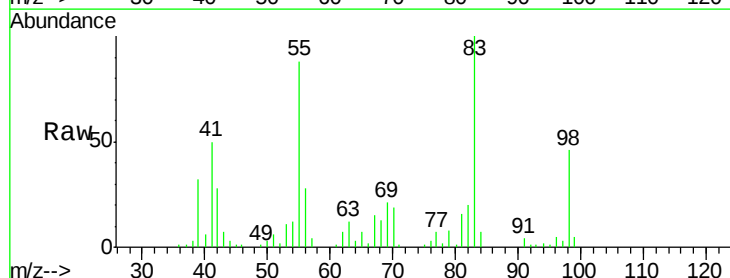
RT: 6.41 min Scan# 1811

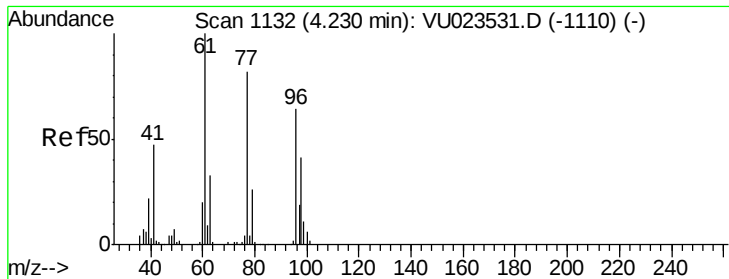
Delta R.T. -0.00 min

Lab File: VU023542.D

Acq: 30 Apr 2018 22:25

Tgt Ion:	83	Resp:	36578
Ion	Ratio	Lower	Upper
83	100		
55	85.8	66.4	99.6
98	45.3	35.4	53.2





#21

2,2-Dichloropropane

Concen: 1.93 ug/l

RT: 4.23 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VU023542.D

Acq: 30 Apr 2018 22:25

Instrument :

MSVOA_U

ClientSampleId :

VU0430WBSD01

Tot Ion: 77 Resp: 35072

Ion Ratio Lower Upper

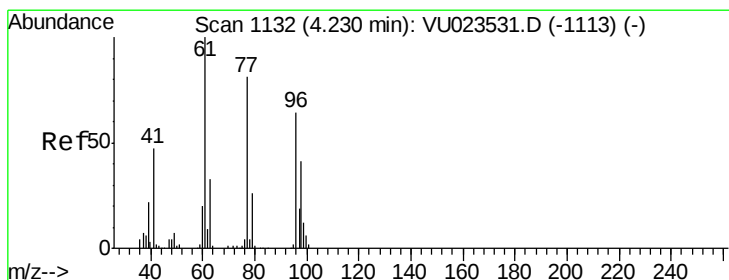
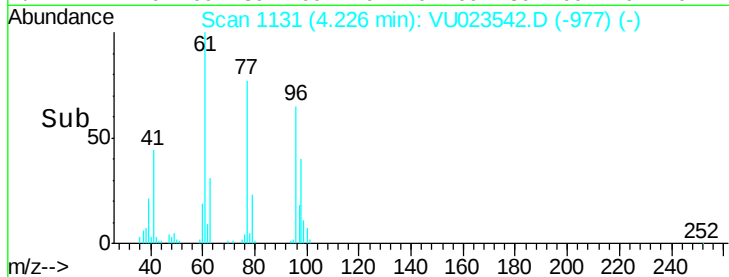
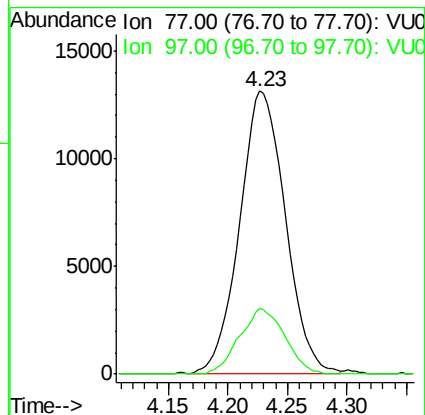
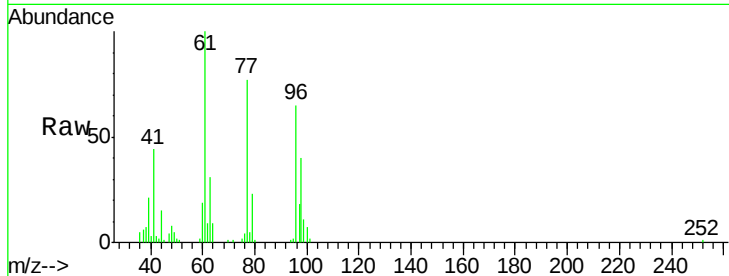
77 100

97 22.9 17.9 26.9

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5/3/2018 4:49:19 PM



#22

cis-1,2-Dichloroethene

Concen: 2.09 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU023542.D

Acq: 30 Apr 2018 22:25

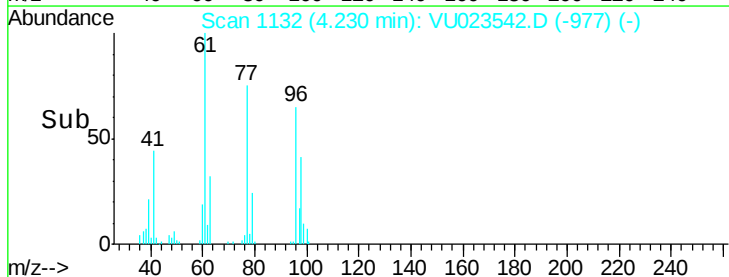
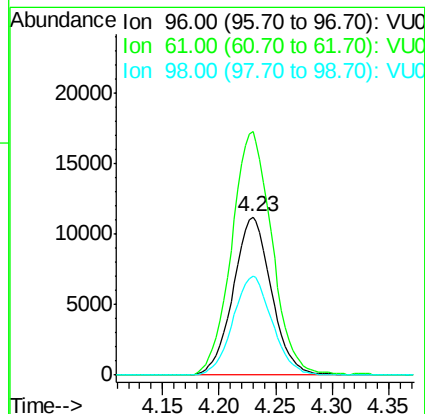
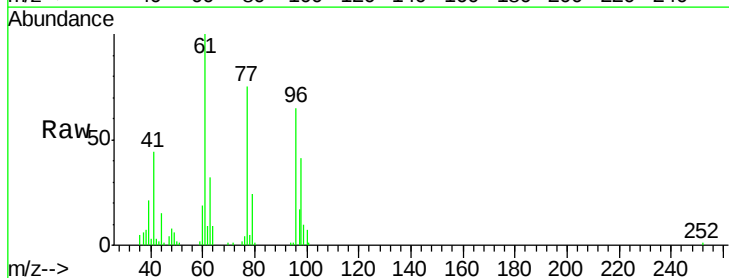
Tgt Ion: 96 Resp: 26409

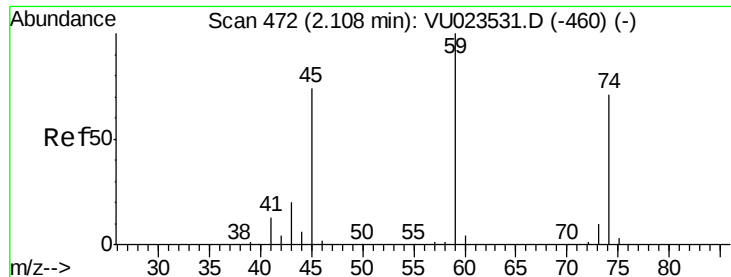
Ion Ratio Lower Upper

96 100

61 162.3 0.0 400.5

98 63.8 32.2 96.6





#23
Diethyl Ether
Concen: 2.12 ug/l
RT: 2.11 min Scan# 472
Delta R.T. -0.00 min
Lab File: VU023542.D
Acq: 30 Apr 2018 22:25

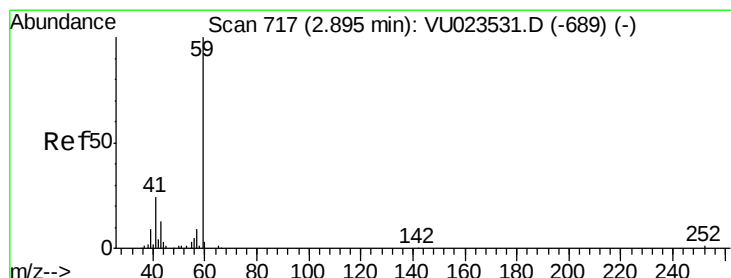
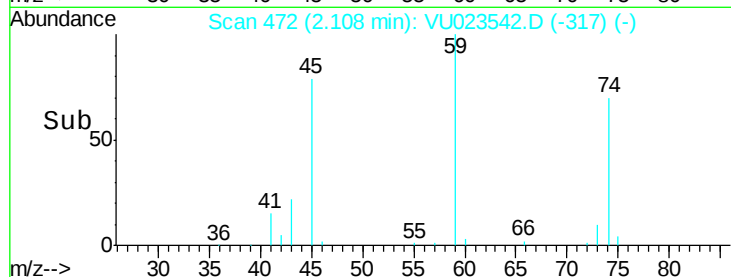
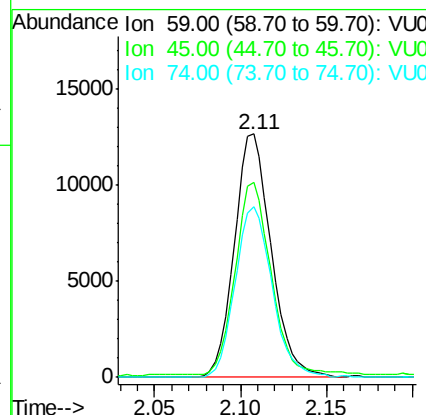
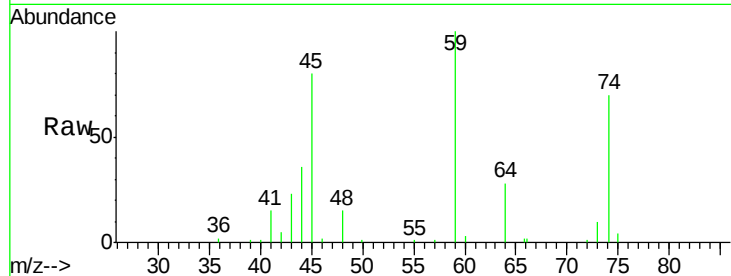
Instrument :
MSVOA_U
ClientSampleId :
VU0430WBSD01

Tot Ion:	59	Resp:	18833
Ion	Ratio	Lower	Upper
59	100		
45	77.4	60.0	90.0
74	70.3	56.5	84.7

Manual Integrations
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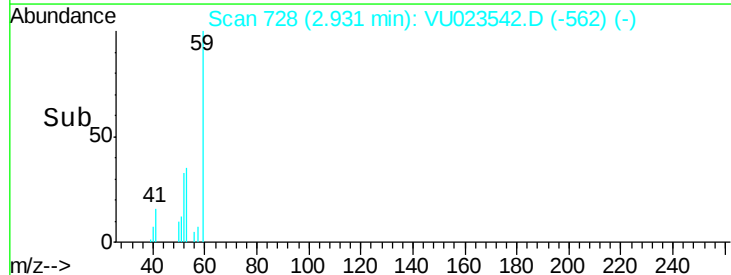
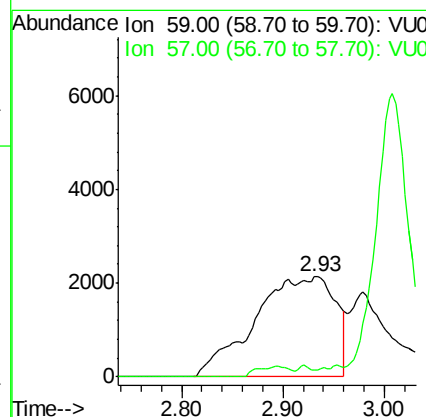
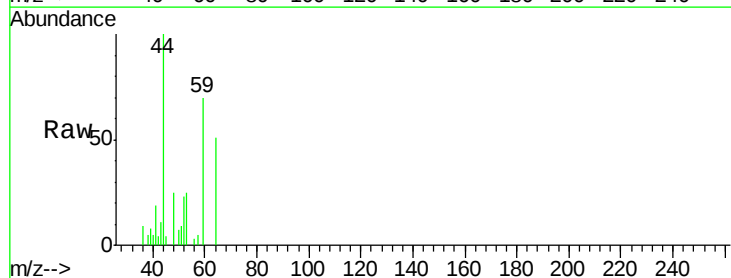
apater

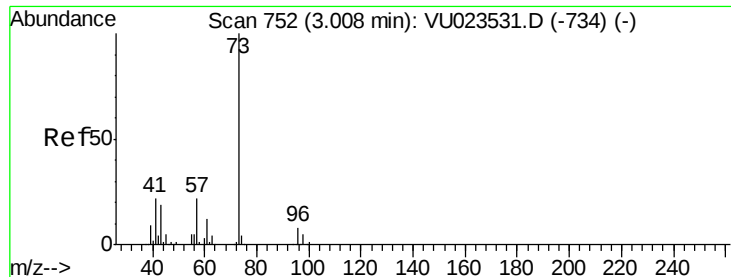
5/3/2018 4:49:19 PM



#24
tert-Butyl Alcohol
Concen: 18.27 ug/l m
RT: 2.93 min Scan# 728
Delta R.T. 0.04 min
Lab File: VU023542.D
Acq: 30 Apr 2018 22:25

Tgt Ion:	59	Resp:	11820
Ion	Ratio	Lower	Upper
59	100		
57	0.0	3.4	5.2#





#25
Methvl tert-Butvl Ether
Concen: 2.09 ug/l
RT: 3.01 min Scan# 752
Delta R.T. -0.00 min
Lab File: VU023542.D
Acq: 30 Apr 2018 22:25

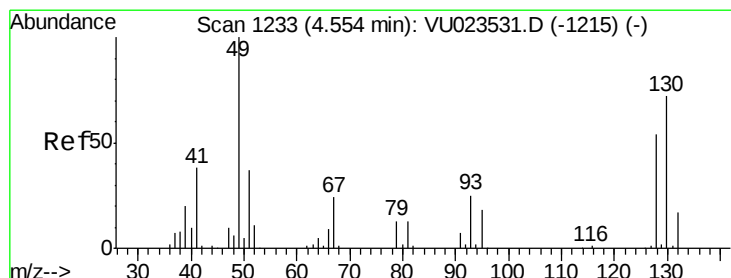
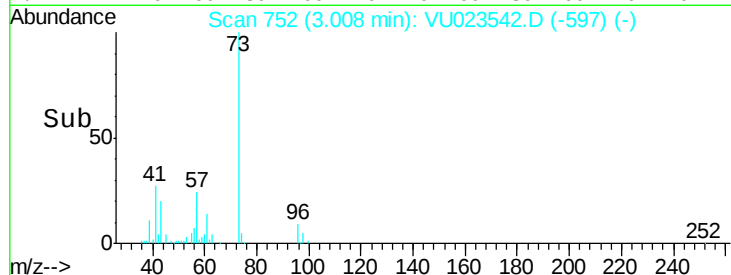
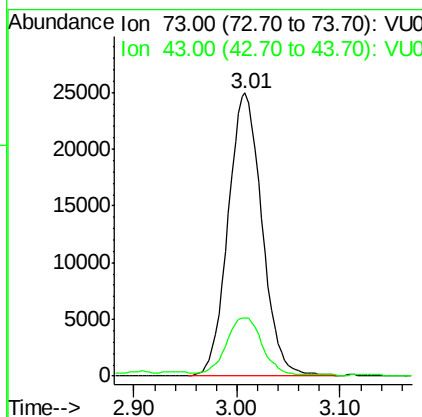
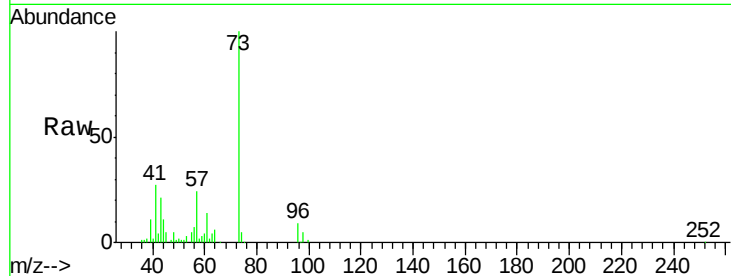
Tot Ion	73	Resp	57204
Ion Ratio	100	Lower	Upper
73	100	16.2	24.2
43	21.0		

Instrument :
MSVOA_U
ClientSampleId :
VU0430WBSD01

Manual Integrations
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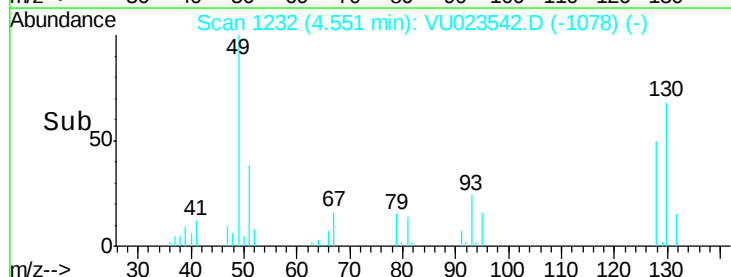
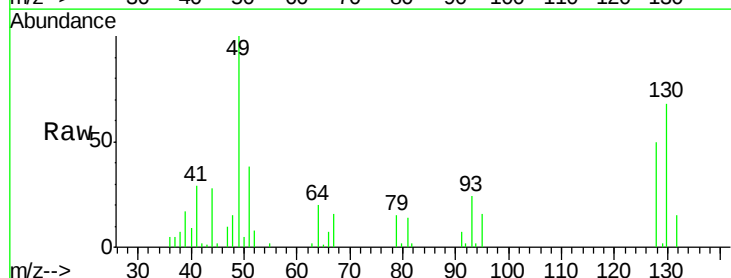
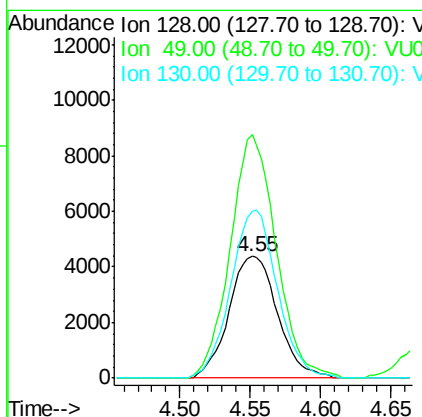
apater

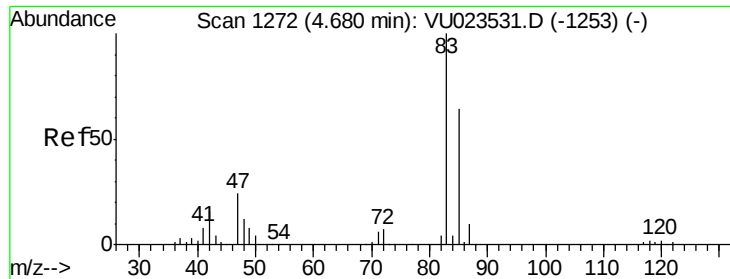
5/3/2018 4:49:19 PM



#26
Bromochloromethane
Concen: 2.12 ug/l
RT: 4.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU023542.D
Acq: 30 Apr 2018 22:25

Tgt Ion	128	Resp	10581
Ion Ratio	100	Lower	Upper
128	100	0.0	375.2
49	188.4	105.8	158.6
130	132.4		





#27
Chloroform
Concen: 2.09 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VU023542.D
Acq: 30 Apr 2018 22:25

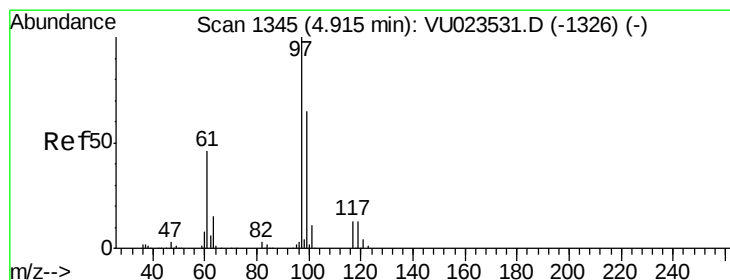
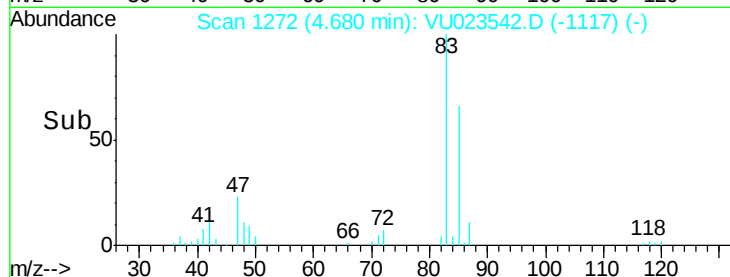
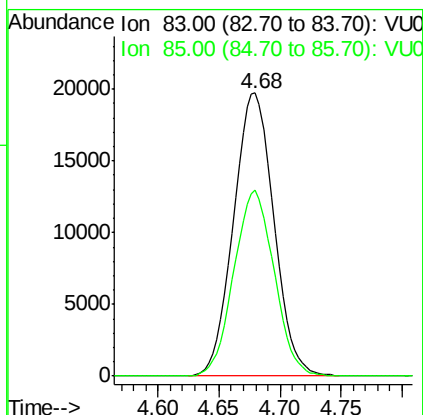
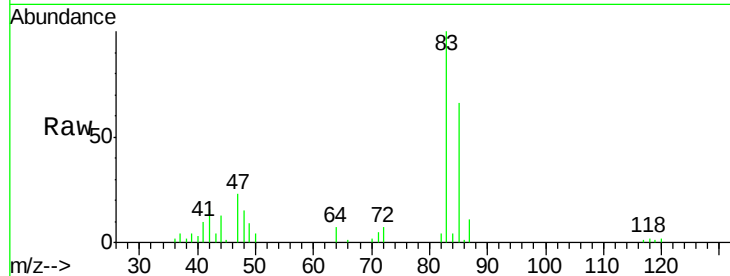
Instrument :
MSVOA_U
ClientSampleId :
VU0430WBSD01

Tot Ion	83	Resp	45220
Ion Ratio	100	Lower	Upper
85	65.8	0.0	128.4

Manual Integrations
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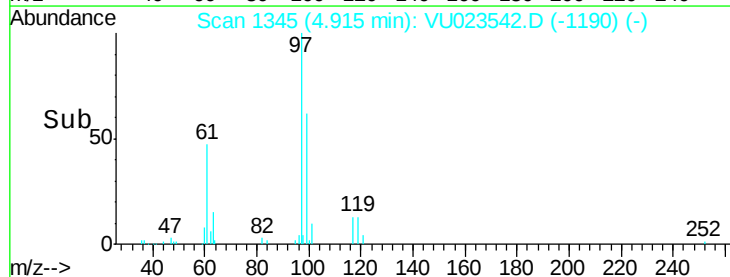
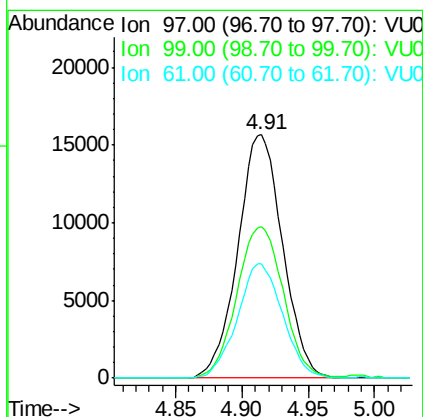
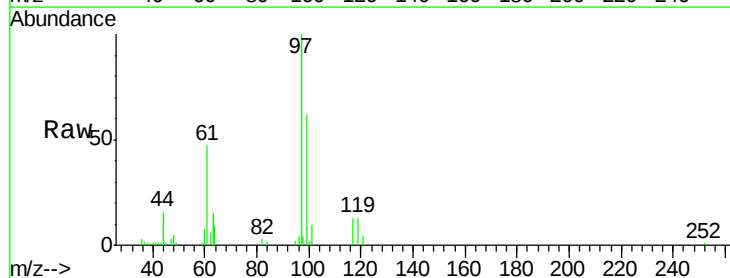
apater

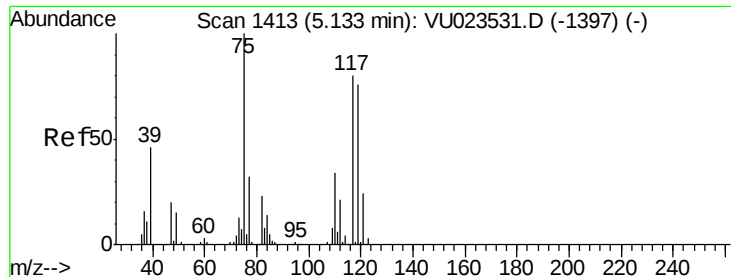
5/3/2018 4:49:19 PM



#28
1,1,1-Trichloroethane
Concen: 2.07 ug/l
RT: 4.91 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VU023542.D
Acq: 30 Apr 2018 22:25

Tgt Ion	97	Resp	36745
Ion Ratio	100	Lower	Upper
99	64.7	32.3	96.9
61	47.3	23.2	69.5





#29
 1,1-Dichloropropene
 Concen: 2.05 ug/l
 RT: 5.13 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VU023542.D
 Acq: 30 Apr 2018 22:25

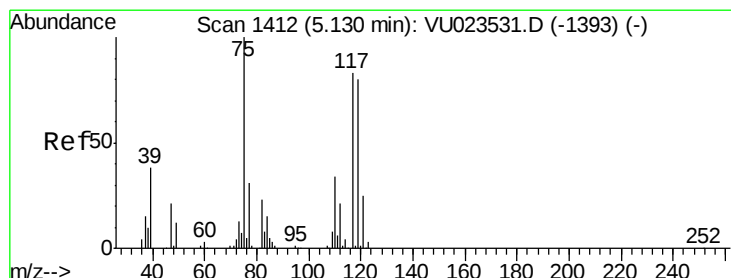
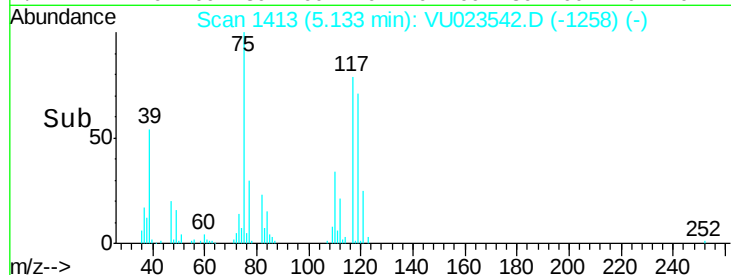
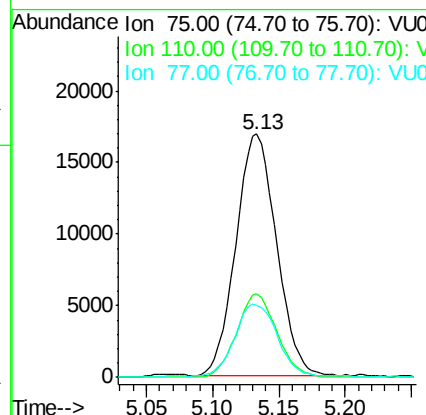
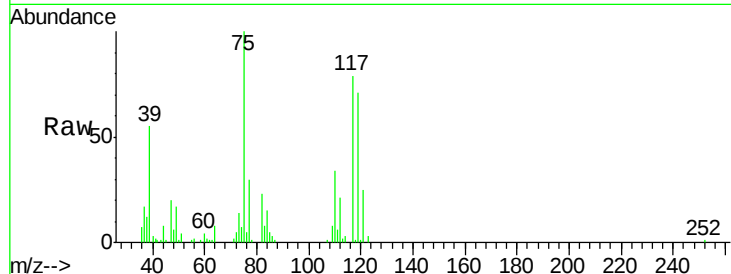
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0430WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
110	34.1	16.9	50.7
77	32.4	24.8	37.2

Manual Integrations
 APPROVED

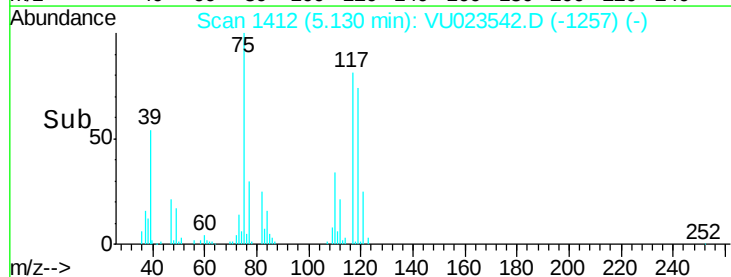
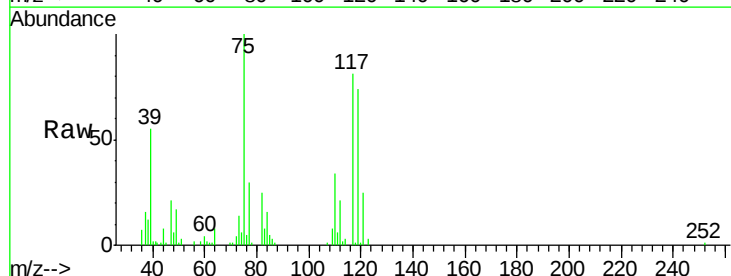
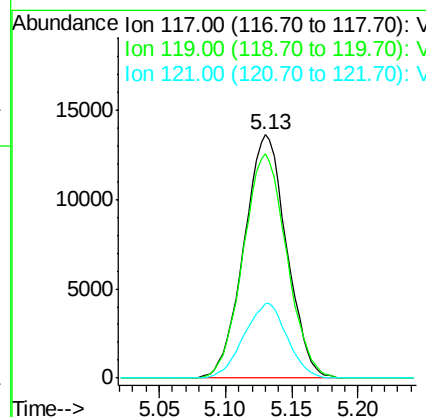
apater

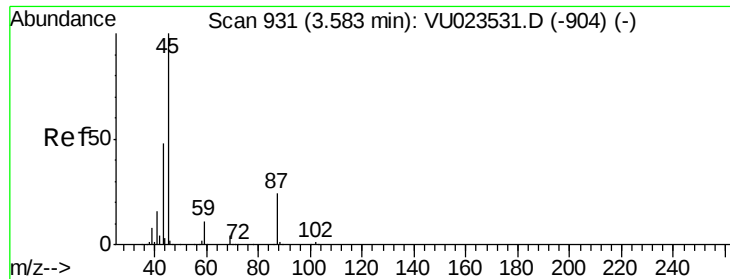
5/3/2018 4:49:19 PM



#30
 Carbon Tetrachloride
 Concen: 2.04 ug/l
 RT: 5.13 min Scan# 1412
 Delta R.T. -0.00 min
 Lab File: VU023542.D
 Acq: 30 Apr 2018 22:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.9	77.3	115.9
121	30.4	24.5	36.7





#31

Isopropyl Ether

Concen: 2.00 ug/l

RT: 3.58 min Scan# 931

Delta R.T. -0.00 min

Lab File: VU023542.D

Acq: 30 Apr 2018 22:25

Tot Ion: 45 Resp: 77373

Ion Ratio Lower Upper

45 100

43 50.0 24.0 72.0

Instrument :

MSVOA_U

ClientSampleId :

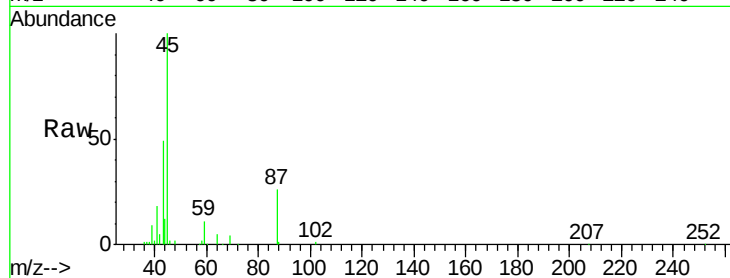
VU0430WBSD01

Manual Integrations

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Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

30000

20000

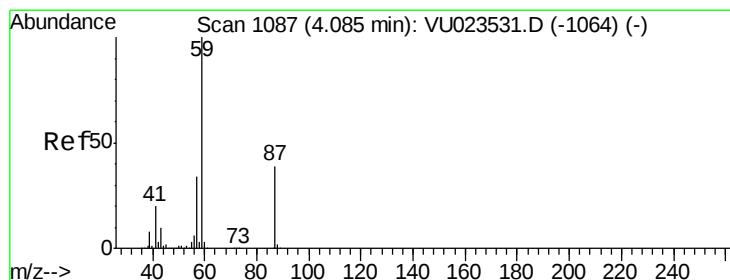
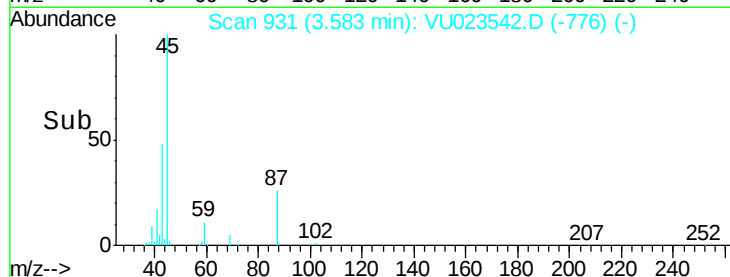
10000

0

Time-->

3.50 3.55 3.60 3.65 3.70

3.58



#32

Ethyl-t-butyl ether

Concen: 2.03 ug/l

RT: 4.09 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VU023542.D

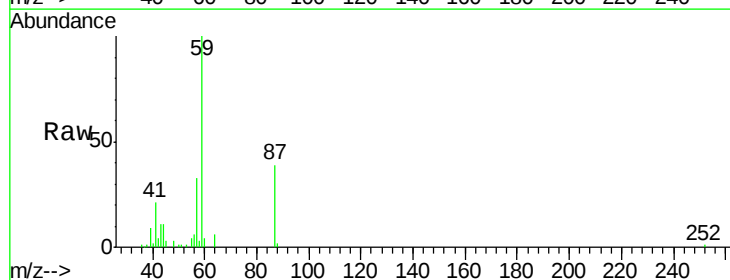
Acq: 30 Apr 2018 22:25

Tgt Ion: 59 Resp: 67045

Ion Ratio Lower Upper

59 100

87 39.2 31.0 46.6



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

25000

20000

15000

10000

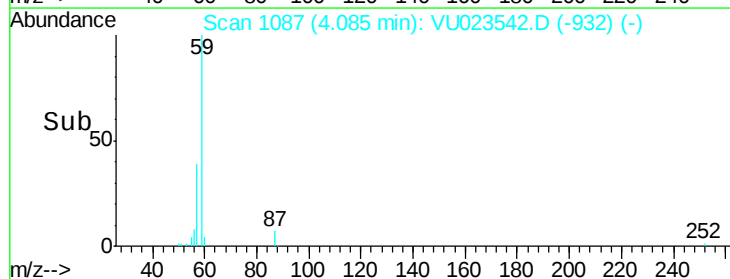
5000

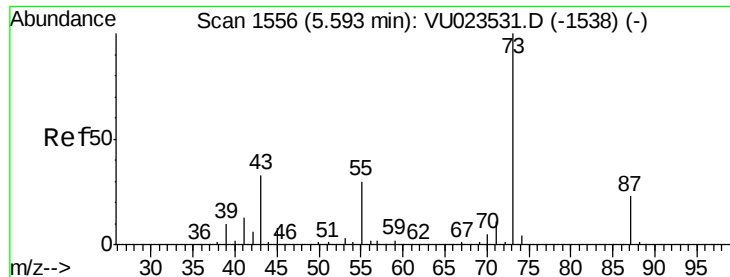
0

Time-->

4.00 4.10 4.20

4.09





#33
Tert-Butyl methyl ether
Concen: 1.93 ug/l
RT: 5.59 min Scan# 1556
Delta R.T. -0.00 min
Lab File: VU023542.D
Acq: 30 Apr 2018 22:25

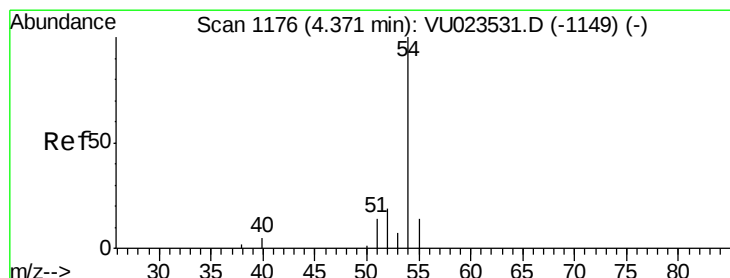
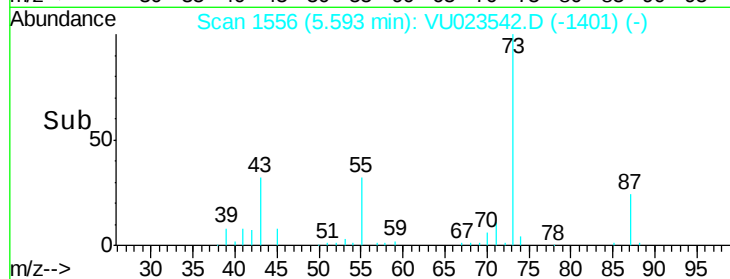
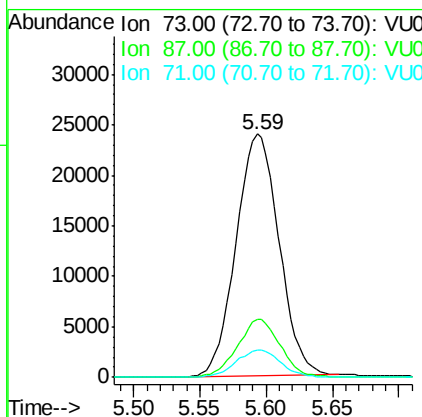
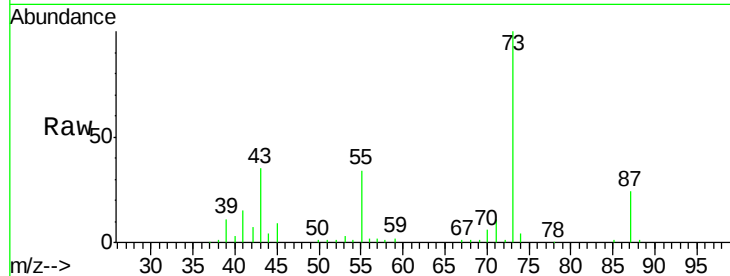
Instrument :
MSVOA_U
ClientSampleId :
VU0430WBSD01

Tot Ion:	73	Resp:	54067
Ion	Ratio	Lower	Upper
73	100		
87	23.8	18.6	28.0
71	11.7	9.3	13.9

Manual Integrations
APPROVED

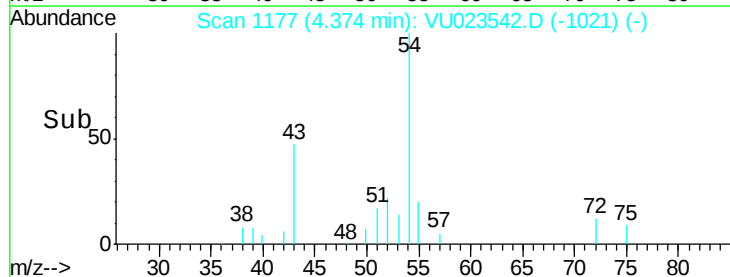
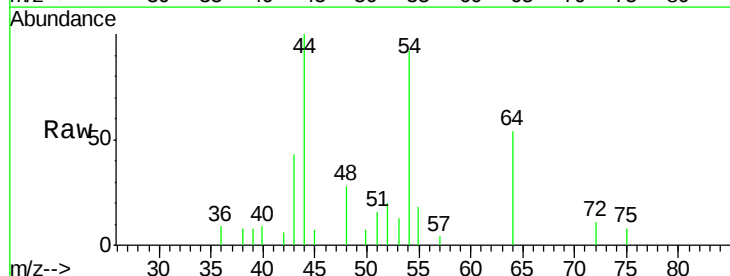
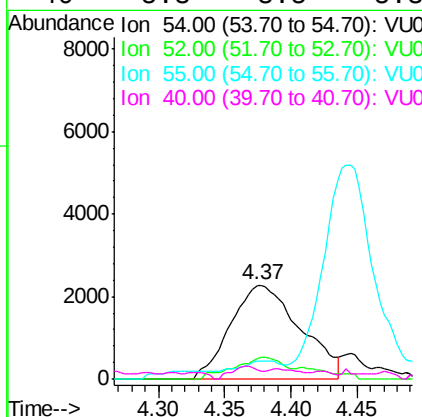
apater

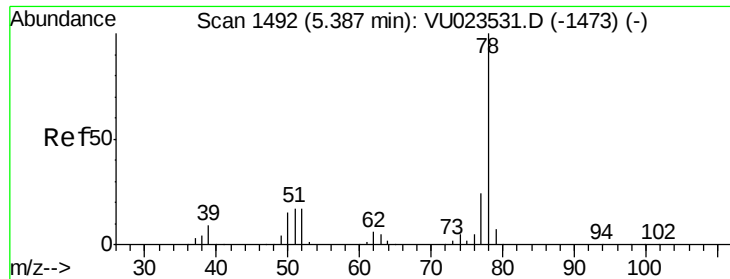
5/3/2018 4:49:19 PM



#34
Propionitrile
Concen: 9.46 ug/l
RT: 4.37 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VU023542.D
Acq: 30 Apr 2018 22:25

Tgt Ion:	54	Resp:	8288
Ion	Ratio	Lower	Upper
54	100		
52	10.8	13.7	20.5#
55	6.7	10.2	15.2#
40	5.3	3.5	5.3#





#35

Benzene

Concen: 2.03 ug/l

RT: 5.39 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VU023542.D

Acq: 30 Apr 2018 22:25

Instrument :

MSVOA_U

ClientSampleId :

VU0430WBSD01

Tot Ion: 78 Resp: 105069

Ion Ratio Lower Upper

78 100

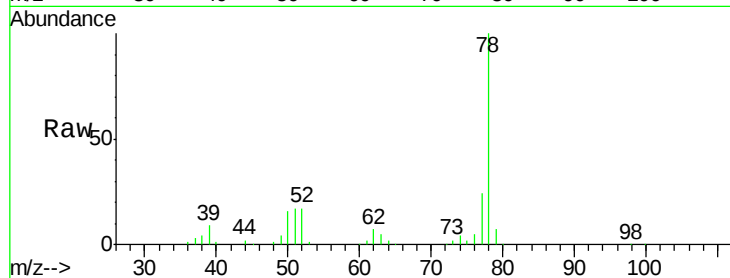
77 23.6 19.1 28.7

Manual Integrations

APPROVED

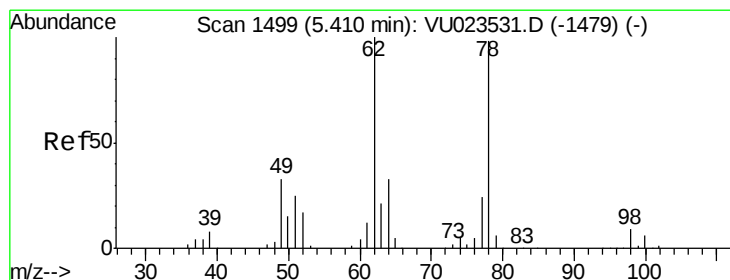
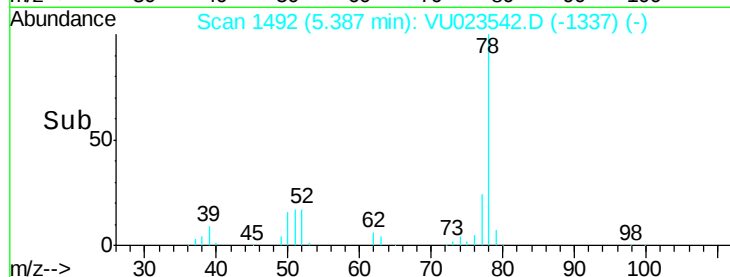
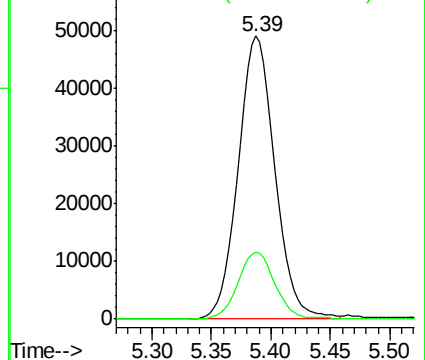
apatel

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Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0



#36

1,2-Dichloroethane

Concen: 2.12 ug/l

RT: 5.41 min Scan# 1499

Delta R.T. -0.00 min

Lab File: VU023542.D

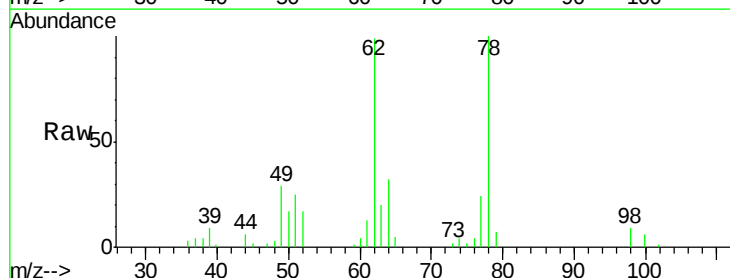
Acq: 30 Apr 2018 22:25

Tgt Ion: 62 Resp: 31068

Ion Ratio Lower Upper

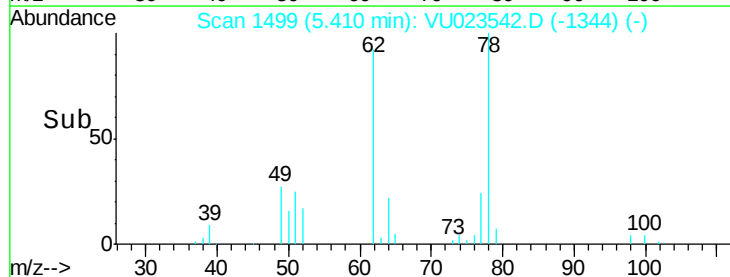
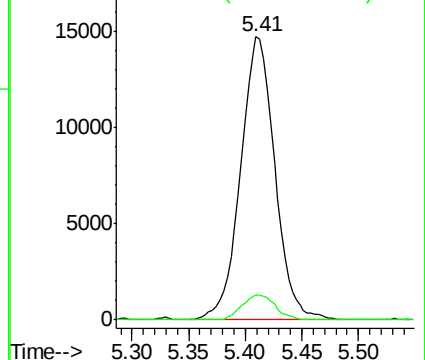
62 100

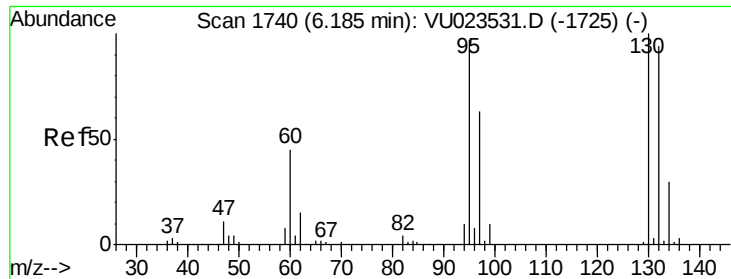
98 8.5 7.2 10.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37
 Trichloroethene
 Concen: 2.02 ug/l
 RT: 6.18 min Scan# 1740
 Delta R.T. -0.00 min
 Lab File: VU023542.D
 Acq: 30 Apr 2018 22:25

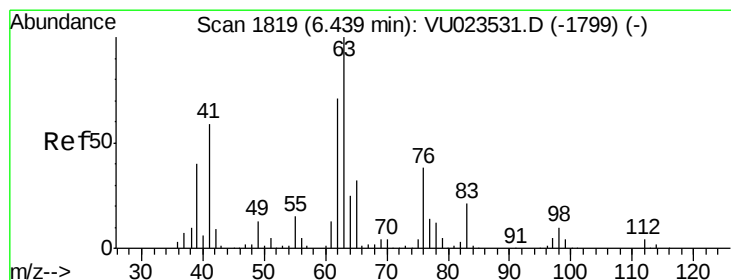
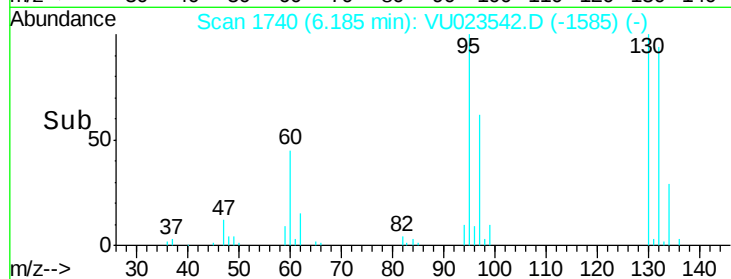
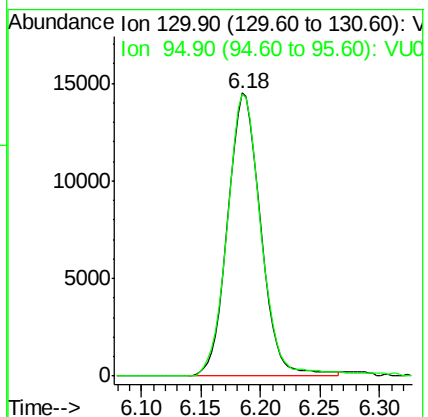
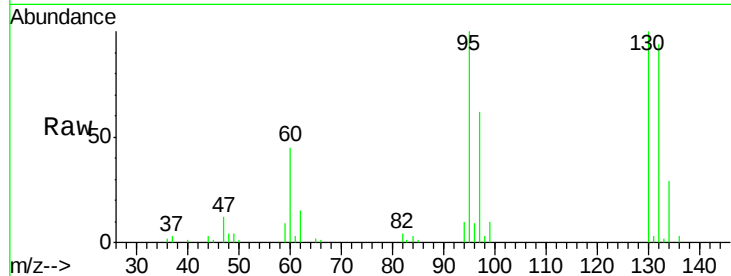
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0430WBSD01

Tot Ion:130 Resp: 28046
 Ion Ratio Lower Upper
 130 100
 95 99.8 77.9 116.9

Manual Integrations
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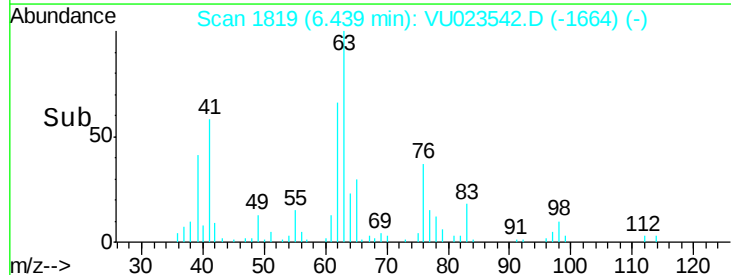
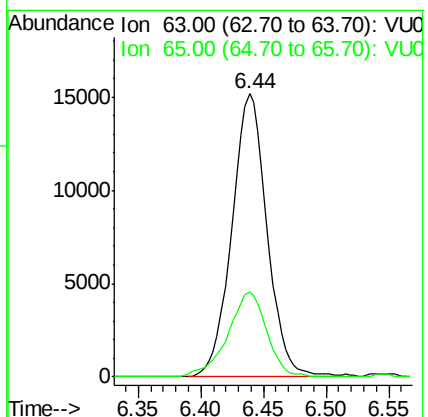
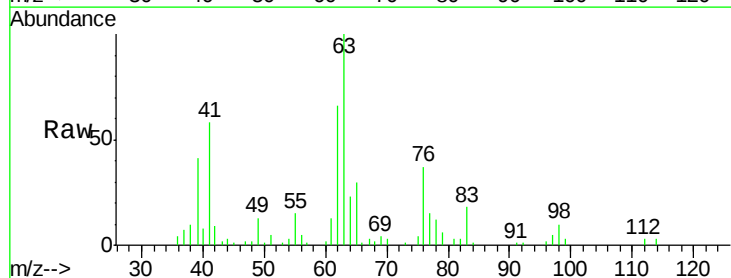
apatel

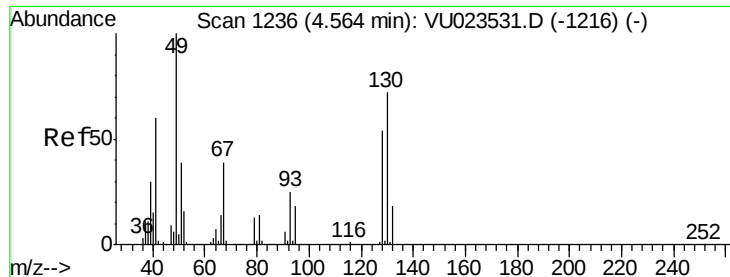
5/3/2018 4:49:19 PM



#38
 1,2-Dichloropropane
 Concen: 2.08 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. -0.00 min
 Lab File: VU023542.D
 Acq: 30 Apr 2018 22:25

Tgt Ion: 63 Resp: 29546
 Ion Ratio Lower Upper
 63 100
 65 29.9 25.8 38.8





#39
Methacrylonitrile
Concen: 2.11 ug/l
RT: 4.56 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VU023542.D
Acq: 30 Apr 2018 22:25

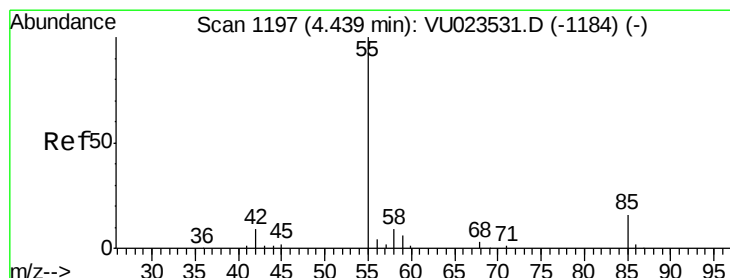
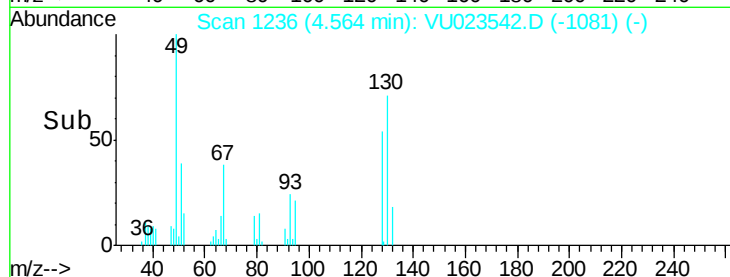
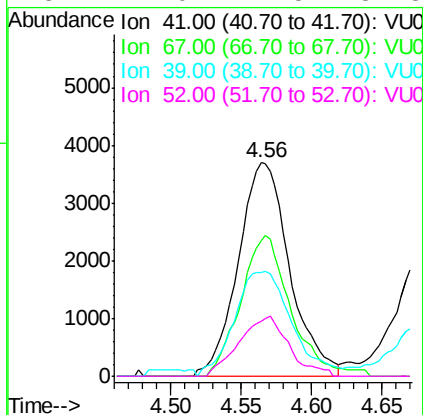
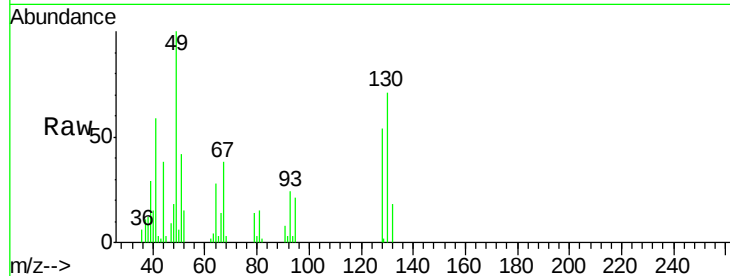
Instrument :
MSVOA_U
ClientSampleId :
VU0430WBSD01

Tot Ion:	41	Resp:	9453
Ion	Ratio	Lower	Upper
41	100		
67	63.9	51.3	76.9
39	54.6	40.6	60.8
52	27.0	21.5	32.3

Manual Integrations
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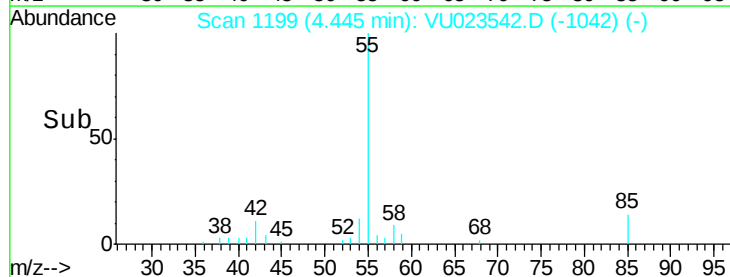
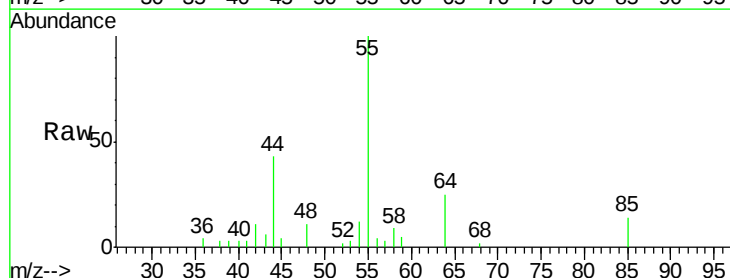
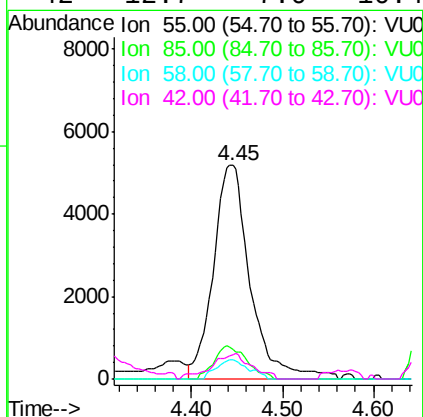
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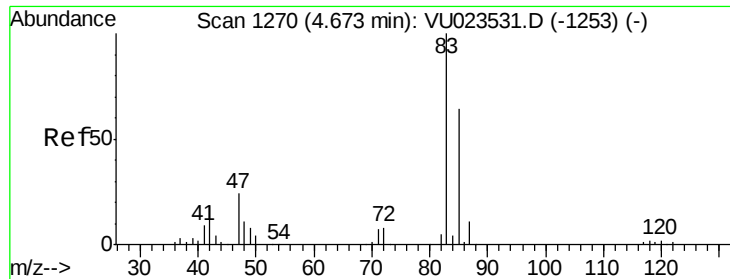
5/3/2018 4:49:19 PM



#40
Methyl acrylate
Concen: 2.35 ug/l
RT: 4.45 min Scan# 1199
Delta R.T. 0.01 min
Lab File: VU023542.D
Acq: 30 Apr 2018 22:25

Tgt Ion:	55	Resp:	14618
Ion	Ratio	Lower	Upper
55	100		
85	13.7	12.3	18.5
58	7.9	7.0	10.6
42	12.7	7.0	10.4#





#41
Tetrahydrofuran
Concen: 4.20 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU023542.D
Acq: 30 Apr 2018 22:25

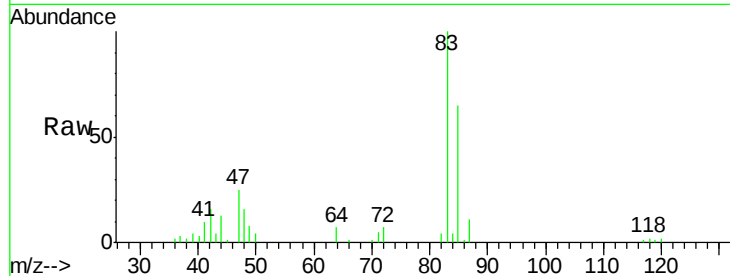
Instrument :
MSVOA_U
ClientSampleId :
VU0430WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.9	33.2	49.8
71	33.6	29.8	44.8

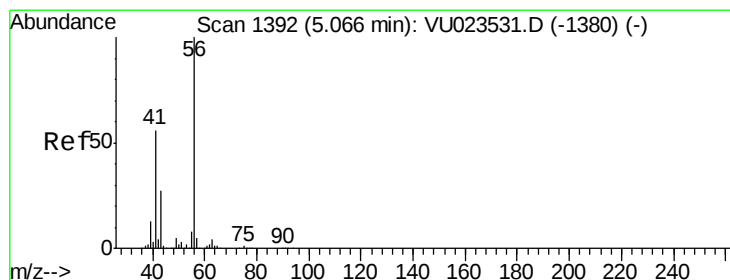
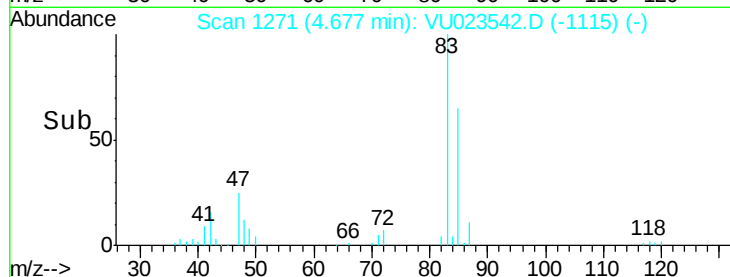
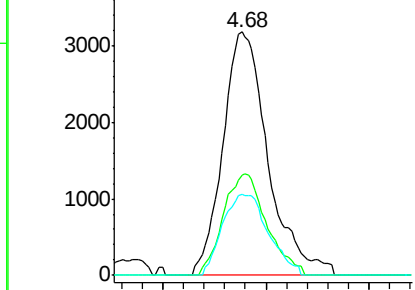
Manual Integrations
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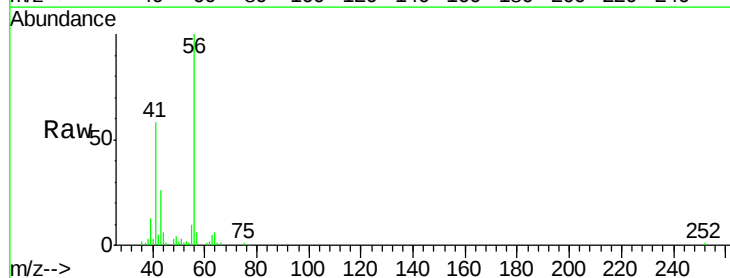


Abundance Ion 42.00 (41.70 to 42.70): VU0
Ion 72.00 (71.70 to 72.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

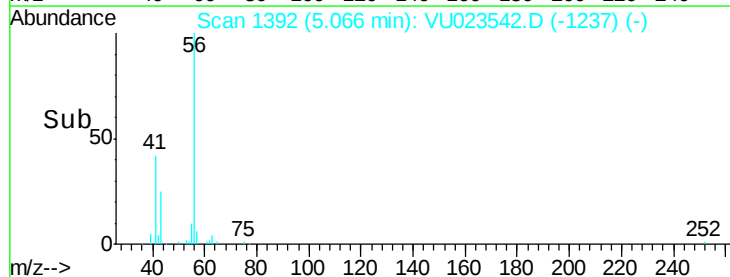
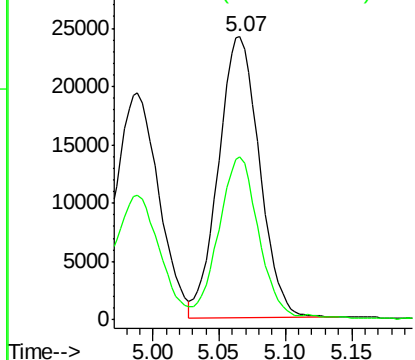


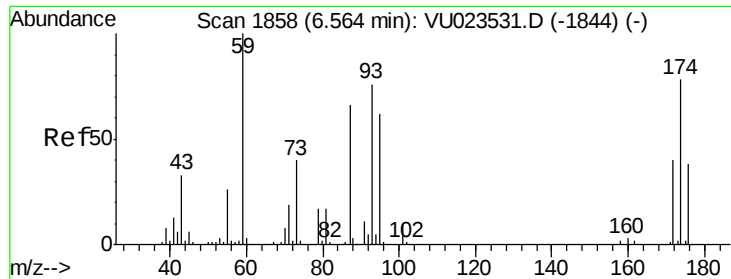
#42
1-Chlorobutane
Concen: 2.06 ug/l
RT: 5.07 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VU023542.D
Acq: 30 Apr 2018 22:25

Tgt Ion	Ratio	Lower	Upper
56	100		
41	54.1	27.5	82.5



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 41.00 (40.70 to 41.70): VU0





#43

Dibromomethane

Concen: 2.16 ug/l

RT: 6.57 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VU023542.D

Acq: 30 Apr 2018 22:25

Instrument :

MSVOA_U

ClientSampleId :

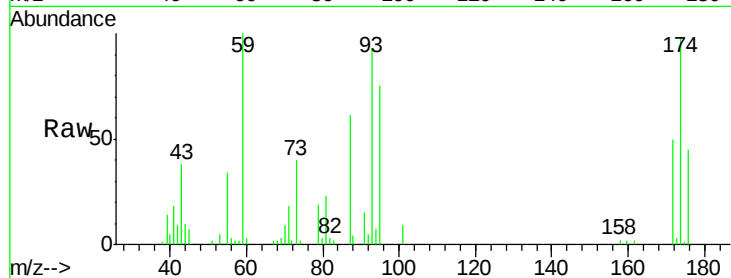
VU0430WBSD01

Tot Ion:	93	Resp:	13155
Ion	Ratio	Lower	Upper
93	100		
95	84.9	67.2	100.8
174	102.1	82.8	124.2

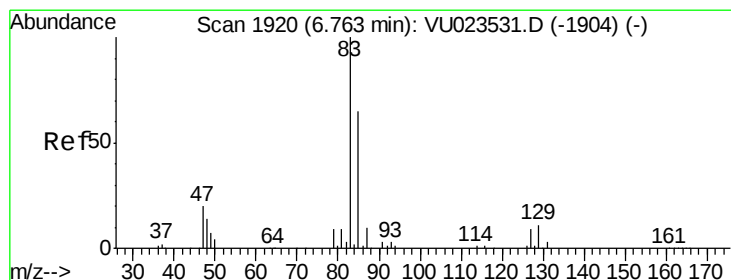
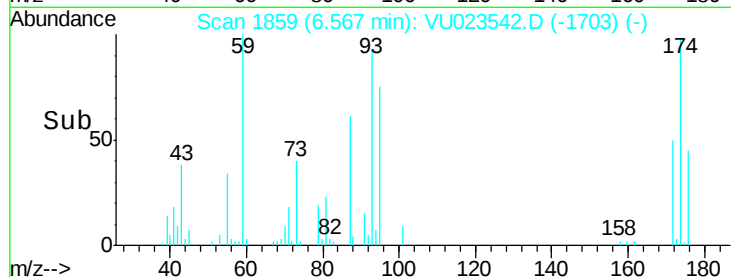
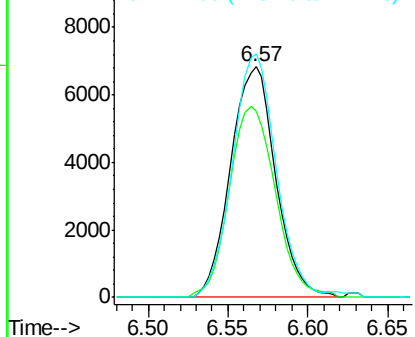
Manual Integrations
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Abundance Ion 93.00 (92.70 to 93.70): VU0
Ion 95.00 (94.70 to 95.70): VU0
Ion 174.00 (173.70 to 174.70): V



#44

Bromodichloromethane

Concen: 2.05 ug/l

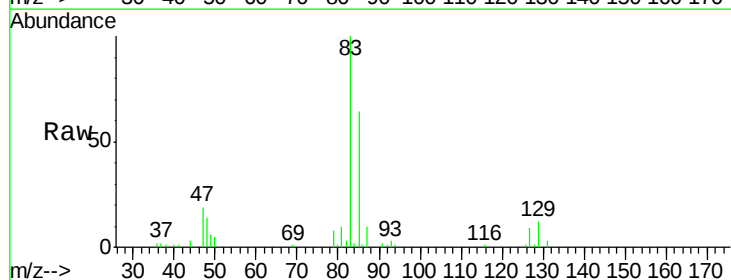
RT: 6.76 min Scan# 1920

Delta R.T. -0.00 min

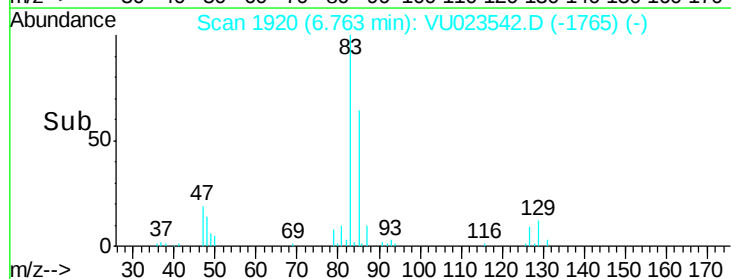
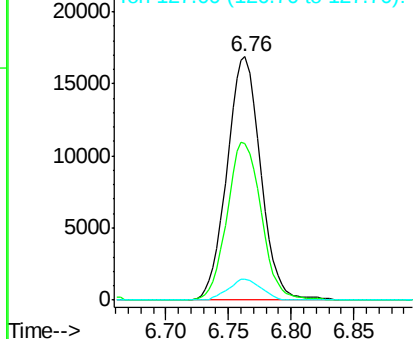
Lab File: VU023542.D

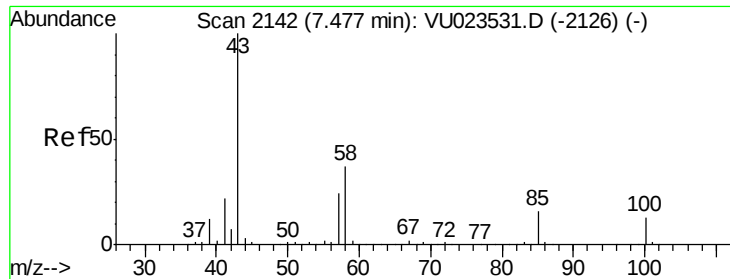
Acq: 30 Apr 2018 22:25

Tgt Ion:	83	Resp:	31484
Ion	Ratio	Lower	Upper
83	100		
85	64.2	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: 10.24 ug/l

RT: 7.48 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VU023542.D

Acq: 30 Apr 2018 22:25

Instrument :

MSVOA_U

ClientSampleID :

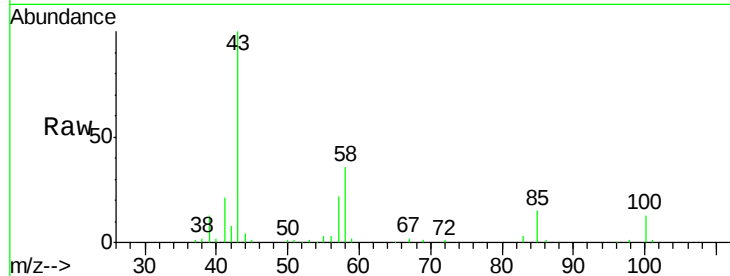
VU0430WBSD01

Tot Ion:	43	Resp:	73807
Ion	Ratio	Lower	Upper
43	100		
58	35.8	18.8	56.4
85	14.9	12.6	19.0

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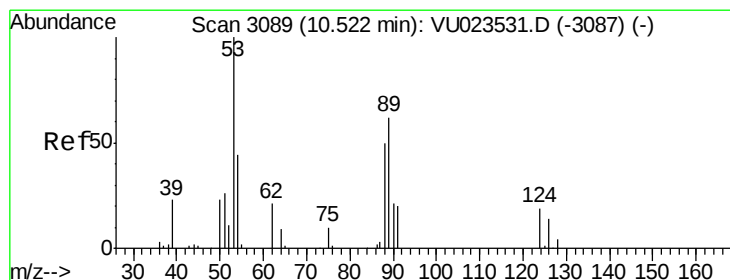
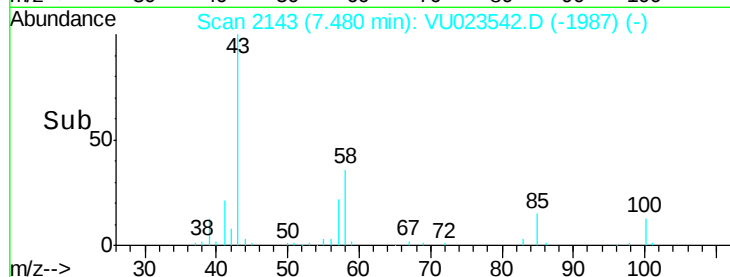
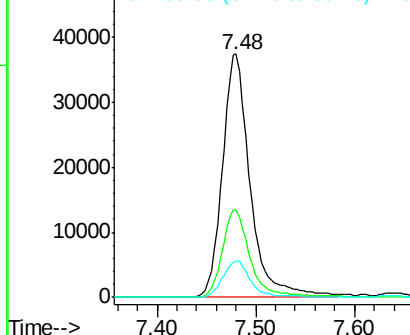


Abundance

Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

t-1,4-Dichloro-2-butene

Concen: 3.75 ug/l m

RT: 10.52 min Scan# 3087

Delta R.T. -0.01 min

Lab File: VU023542.D

Acq: 30 Apr 2018 22:25

Tgt Ion:	75	Resp:	7984
Ion	Ratio	Lower	Upper
75	100		
53	107.2	82.2	123.4
89	53.0	51.3	76.9
88	42.8	37.4	56.2

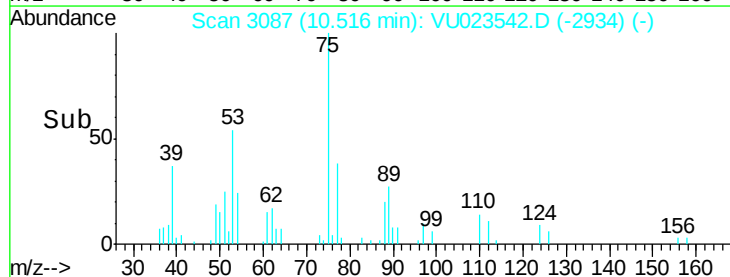
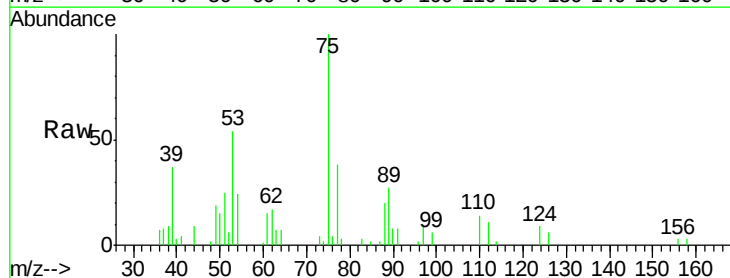
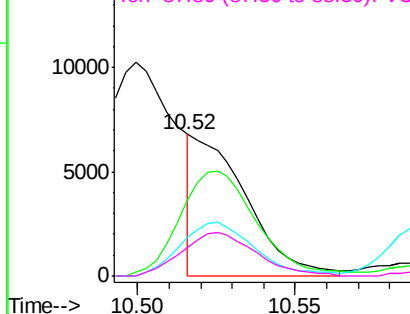
Abundance

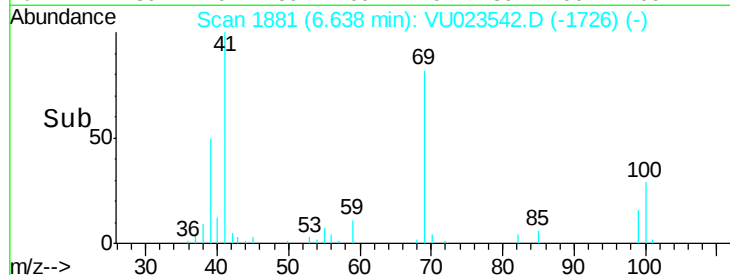
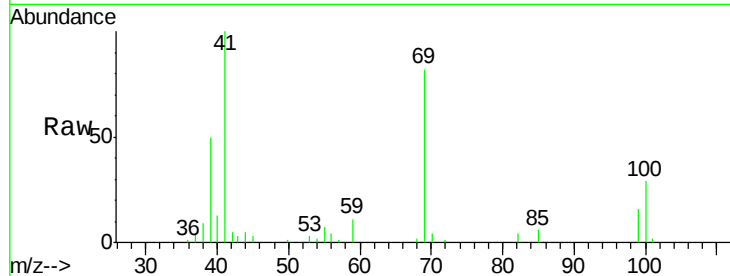
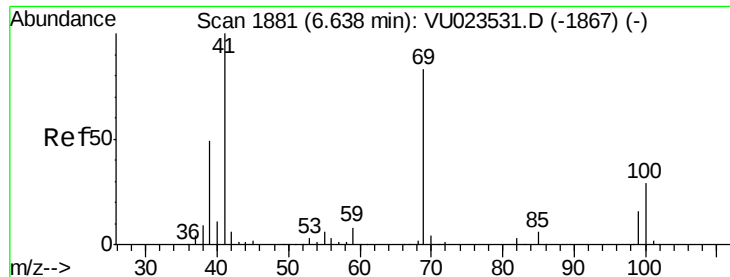
Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.80 (88.50 to 89.50): VU0

Ion 87.80 (87.50 to 88.50): VU0





#47
Methyl methacrylate
Concen: 4.05 ug/l
RT: 6.64 min Scan# 1881
Delta R.T. -0.00 min
Lab File: VU023542.D
Acq: 30 Apr 2018 22:25

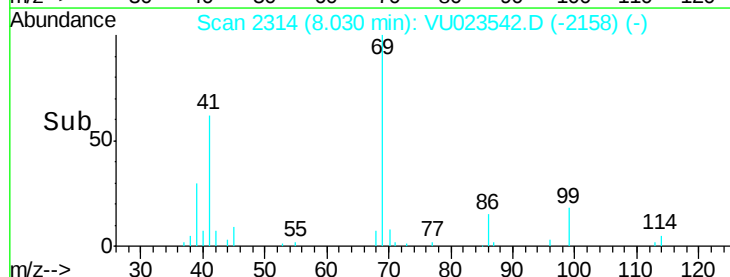
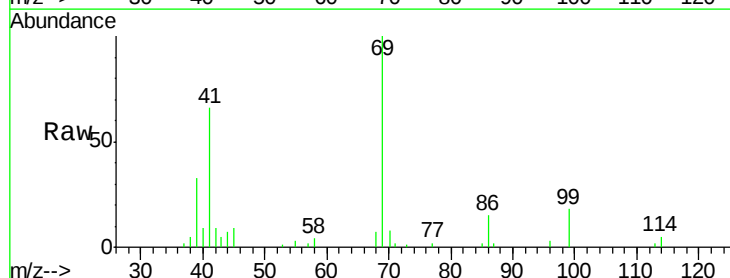
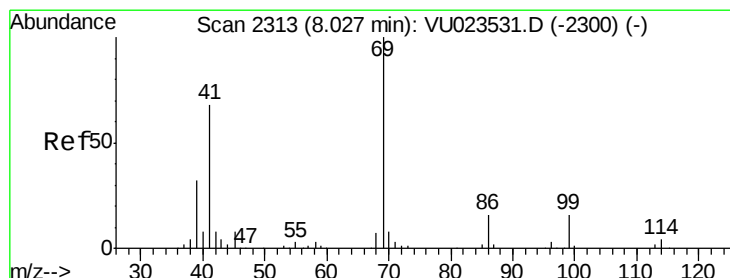
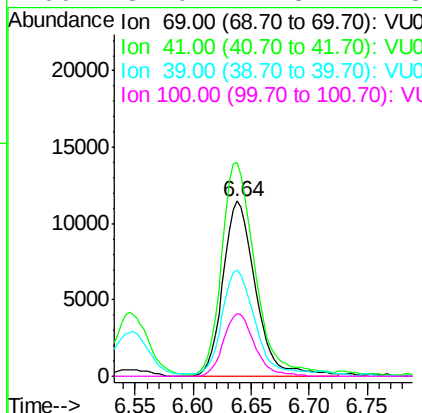
Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100		22362		
41	122.5	0.0	245.4		
39	59.1	49.0	73.4		
100	34.0	27.8	41.8		

Instrument :
MSVOA_U
ClientSampleId :
VU0430WBSD01

Manual Integrations
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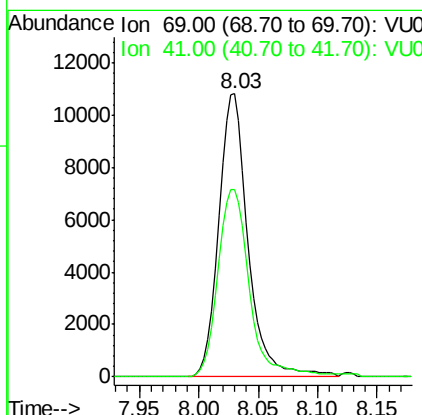
apatel

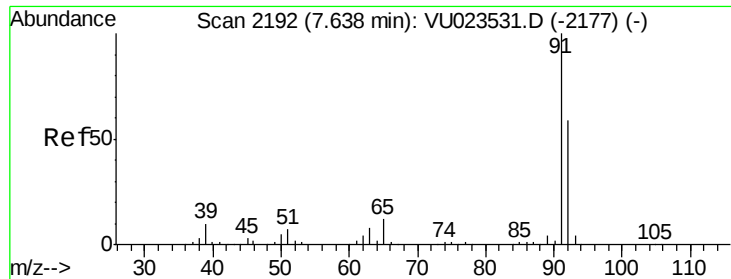
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#48
Ethyl methacrylate
Concen: 1.91 ug/l
RT: 8.03 min Scan# 2314
Delta R.T. 0.00 min
Lab File: VU023542.D
Acq: 30 Apr 2018 22:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		18488		
41	71.2	34.2	102.5		





#49

Toluene

Concen: 2.04 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU023542.D

Acq: 30 Apr 2018 22:25

Tot Ion: 92 Resp: 60897

Ion Ratio Lower Upper

92 100

91 171.4 137.1 205.7

Instrument :

MSVOA_U

ClientSampleId :

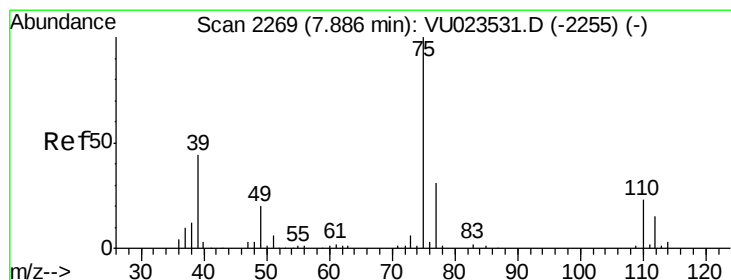
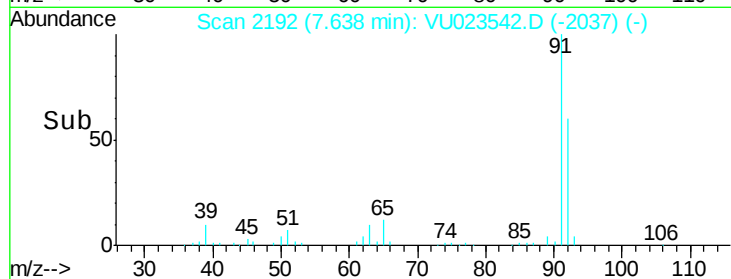
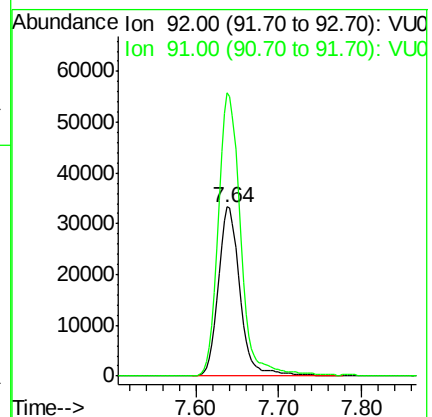
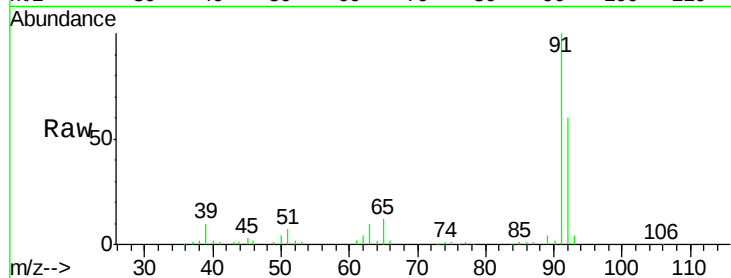
VU0430WBSD01

Manual Integrations

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#50

t-1,3-Dichloropropene

Concen: 2.01 ug/l

RT: 7.89 min Scan# 2269

Delta R.T. -0.00 min

Lab File: VU023542.D

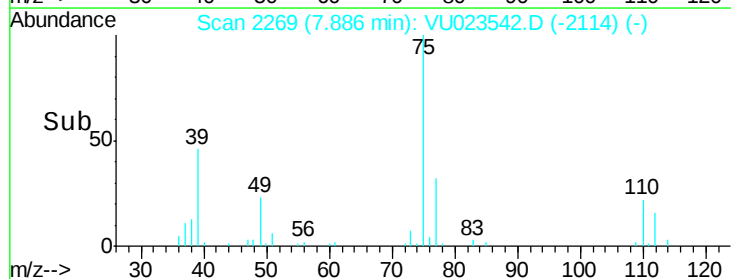
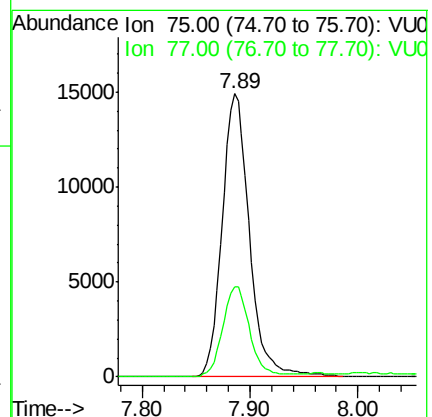
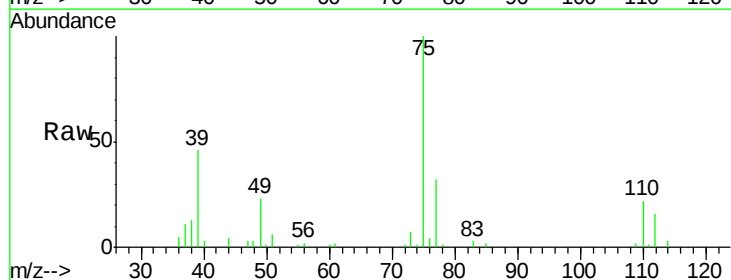
Acq: 30 Apr 2018 22:25

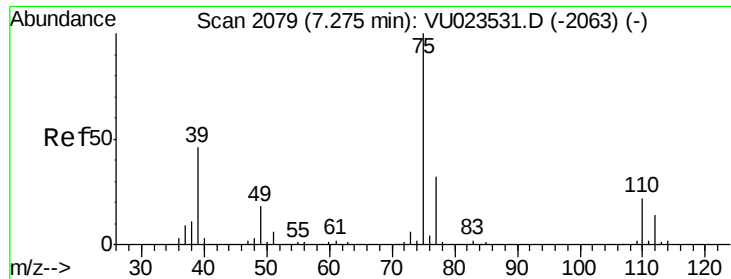
Tgt Ion: 75 Resp: 26267

Ion Ratio Lower Upper

75 100

77 31.9 25.2 37.8





#51

cis-1,3-Dichloropropene

Concen: 1.94 ug/l

RT: 7.27 min Scan# 2079

Delta R.T. -0.00 min

Lab File: VU023542.D

Acq: 30 Apr 2018 22:25

Tot Ion:	75	Resp:	32948
Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.2	37.8
39	45.4	36.4	54.6

Instrument :

MSVOA_U

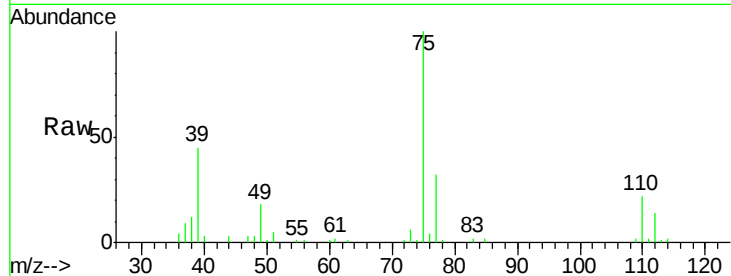
ClientSampleId :

VU0430WBSD01

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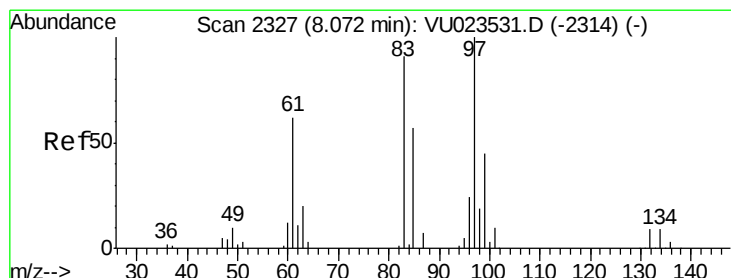
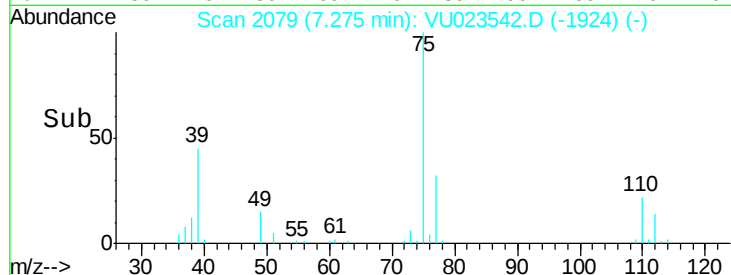
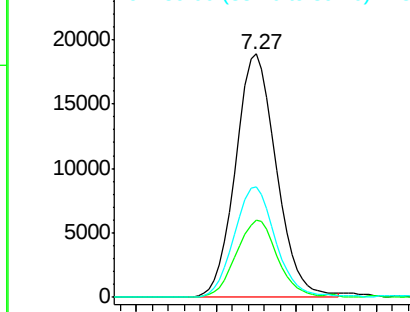


Abundance

Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 39.00 (38.70 to 39.70): VU0



#52

1,1,2-Trichloroethane

Concen: 2.18 ug/l

RT: 8.07 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VU023542.D

Acq: 30 Apr 2018 22:25

Tgt Ion:	97	Resp:	18887
Ion	Ratio	Lower	Upper
97	100		
83	89.0	72.6	109.0
85	56.1	47.2	70.8
99	60.8	50.8	76.2

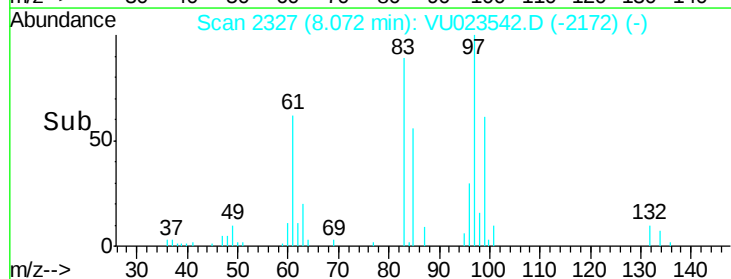
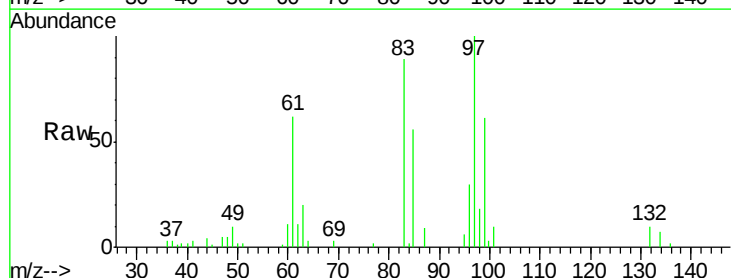
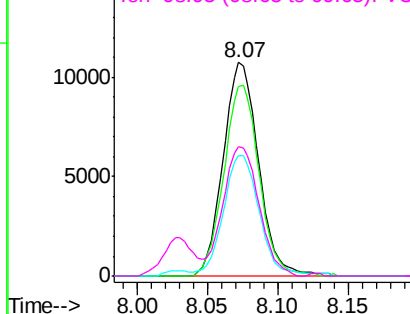
Abundance

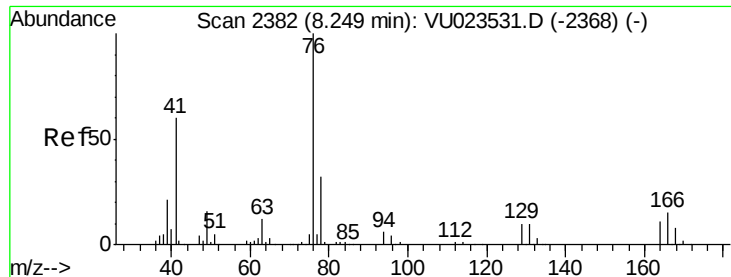
Ion 97.00 (96.70 to 97.70): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 84.95 (84.65 to 85.65): VU0

Ion 98.95 (98.65 to 99.65): VU0





#53
 1,3-Dichloropropane
 Concen: 2.08 ug/l
 RT: 8.25 min Scan# 2382
 Delta R.T. -0.00 min
 Lab File: VU023542.D
 Acq: 30 Apr 2018 22:25

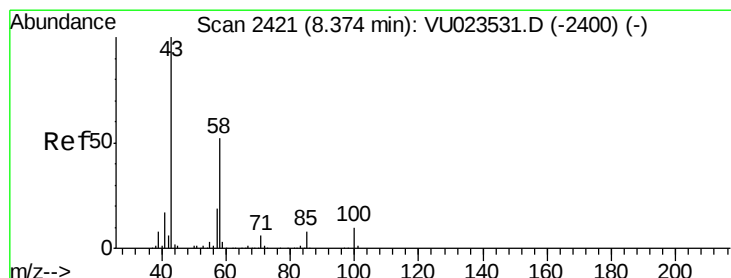
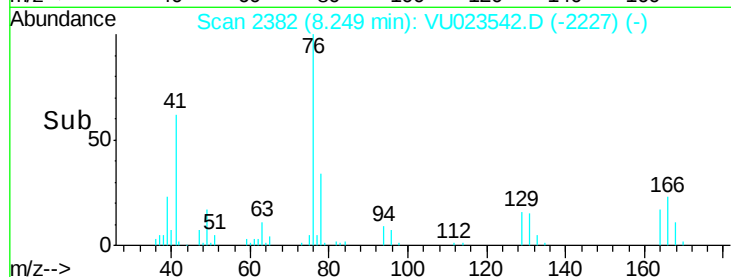
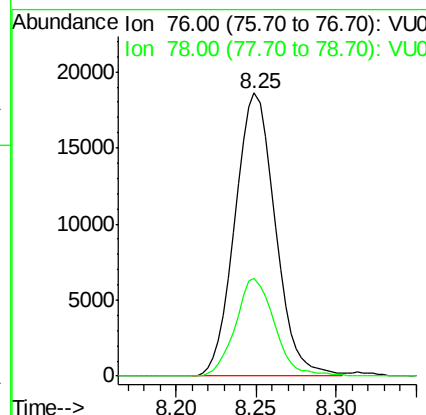
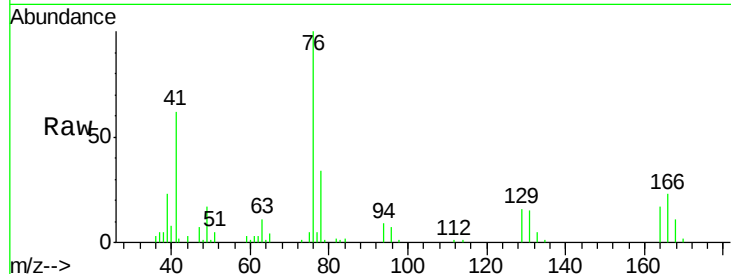
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0430WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.4	25.7	38.5

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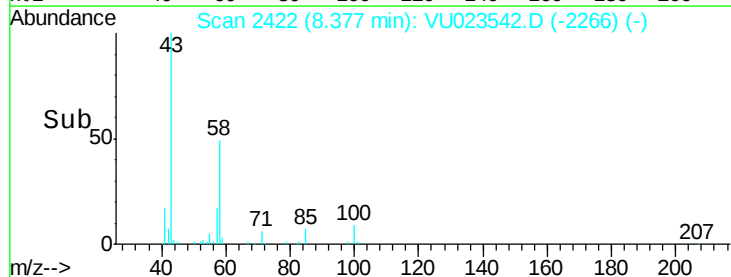
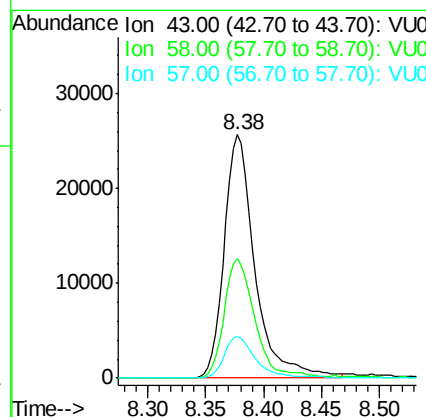
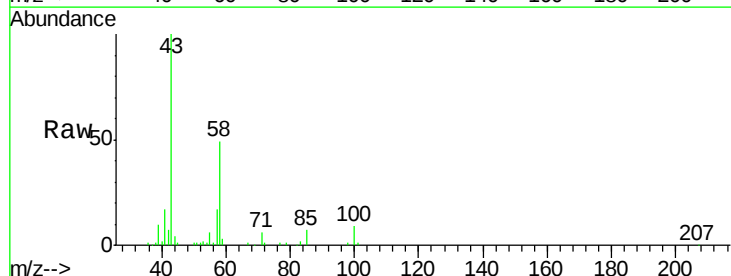
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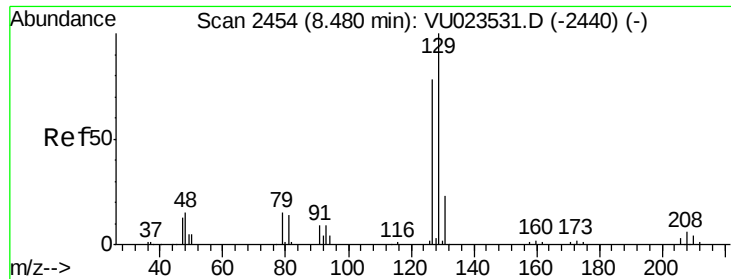
5/3/2018 4:49:19 PM



#54
 2-Hexanone
 Concen: 9.61 ug/l
 RT: 8.38 min Scan# 2422
 Delta R.T. 0.00 min
 Lab File: VU023542.D
 Acq: 30 Apr 2018 22:25

Tgt Ion	Ratio	Lower	Upper
43	100		
58	49.0	32.5	72.5
57	17.6	0.0	37.9





#55
Dibromochloromethane
Concen: 2.10 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU023542.D
Acq: 30 Apr 2018 22:25

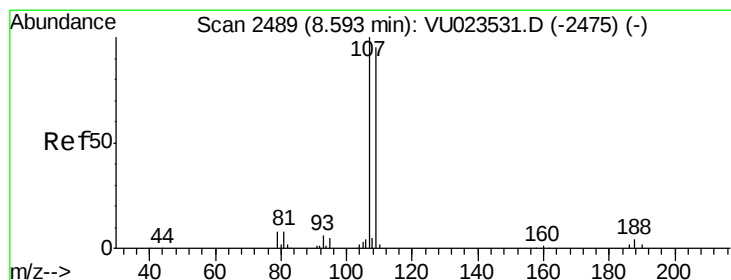
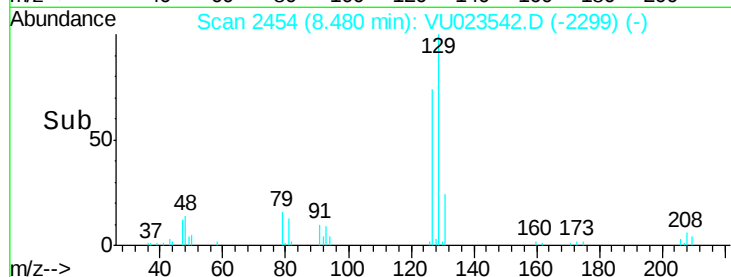
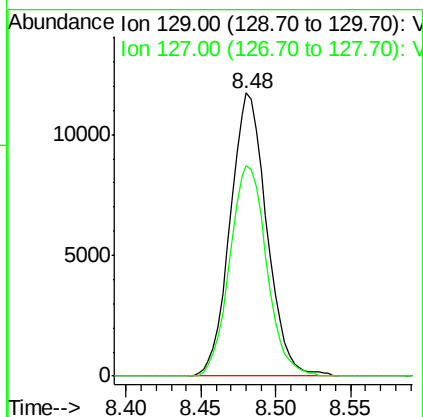
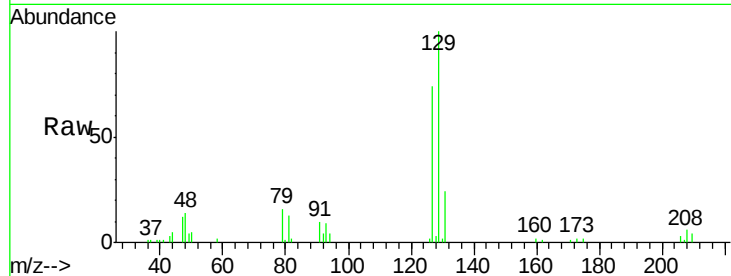
Instrument :
MSVOA_U
ClientSampleId :
VU0430WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		19943		
127	74.9	61.1	91.7		

Manual Integrations
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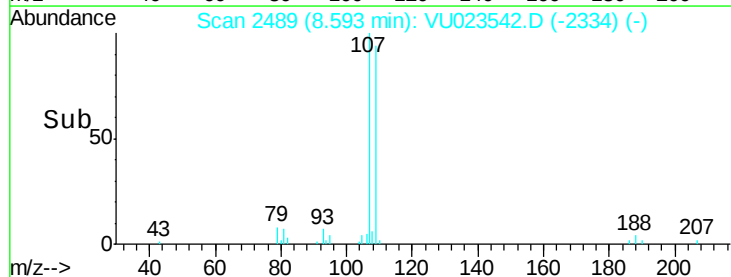
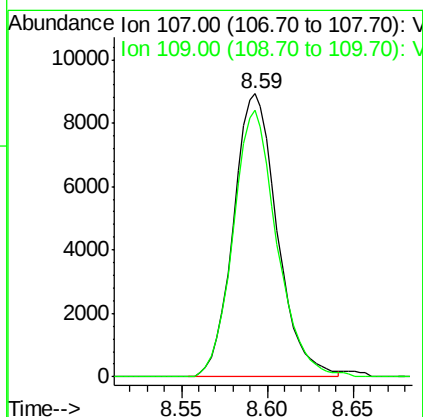
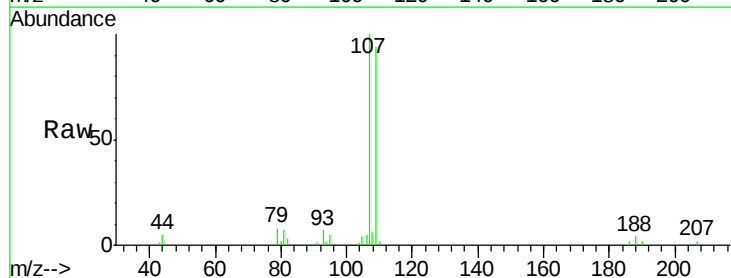
apatei

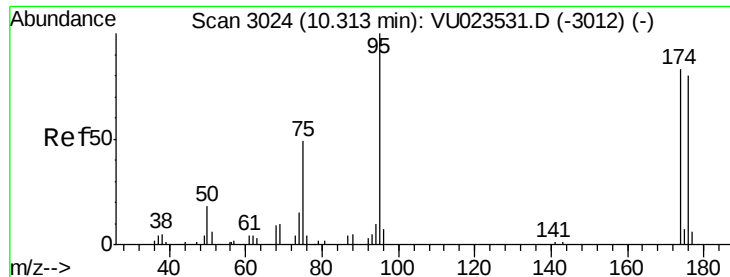
5/3/2018 4:49:19 PM



#56
1,2-Dibromoethane
Concen: 2.12 ug/l
RT: 8.59 min Scan# 2489
Delta R.T. -0.00 min
Lab File: VU023542.D
Acq: 30 Apr 2018 22:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		15860		
109	93.8	0.0	189.0		





#57
4-Bromofluorobenzene
Concen: 2.12 ug/l
RT: 10.31 min Scan# 3024
Delta R.T. -0.00 min
Lab File: VU023542.D
Acq: 30 Apr 2018 22:25

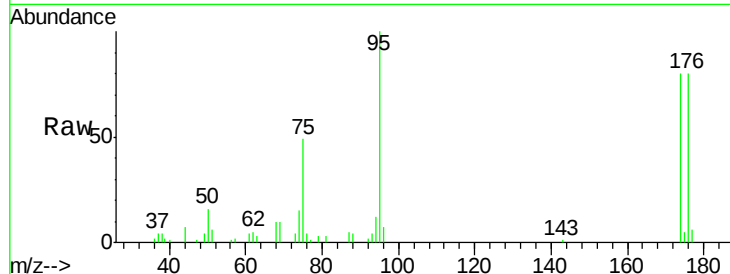
Instrument :
MSVOA_U
ClientSampleId :
VU0430WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
95	100	15635		
174	83.0	65.6	98.4	
176	83.3	62.0	93.0	

Manual Integrations
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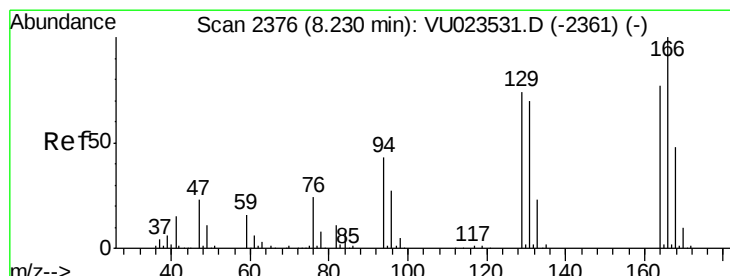
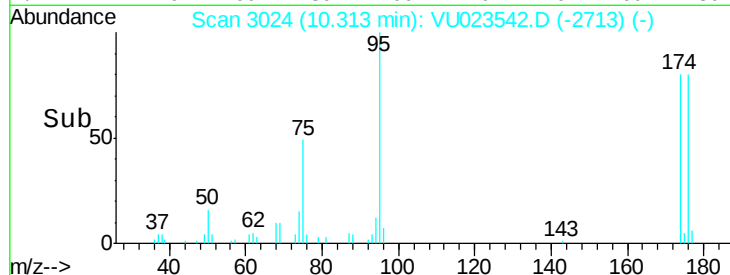
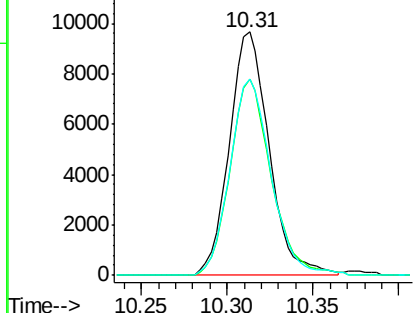


Abundance

Ion 95.00 (94.70 to 95.70): VU023531.D (-3012) (-)

Ion 174.00 (173.70 to 174.70): VU023531.D (-3012) (-)

Ion 176.00 (175.70 to 176.70): VU023531.D (-3012) (-)



#58
Tetrachloroethene
Concen: 2.05 ug/l
RT: 8.23 min Scan# 2375
Delta R.T. -0.00 min
Lab File: VU023542.D
Acq: 30 Apr 2018 22:25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	25994		
166	126.8	104.1	156.1	
129	93.8	76.8	115.2	
131	97.2	72.6	108.8	

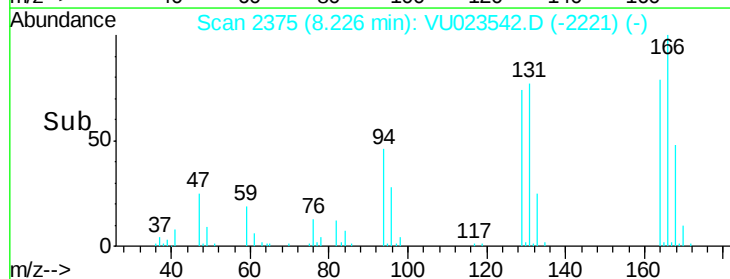
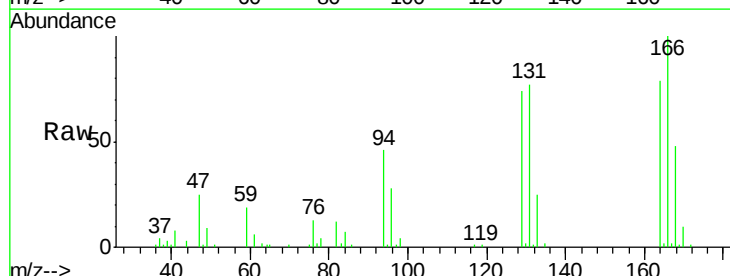
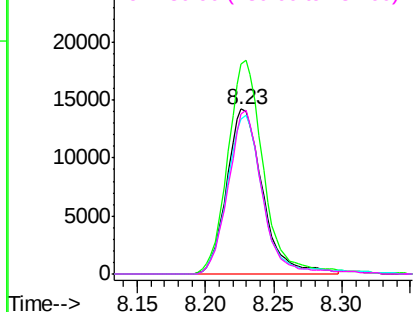
Abundance

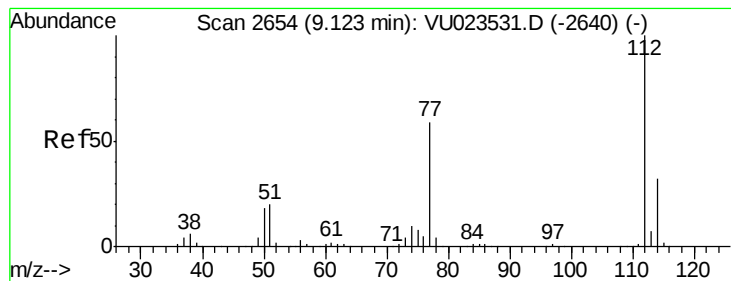
Ion 163.85 (163.55 to 164.55): VU023531.D (-2361) (-)

Ion 165.80 (165.50 to 166.50): VU023531.D (-2361) (-)

Ion 128.90 (128.60 to 129.60): VU023531.D (-2361) (-)

Ion 130.90 (130.60 to 131.60): VU023531.D (-2361) (-)





#59

Chlorobenzene

Concen: 2.05 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. -0.00 min

Lab File: VU023542.D

Acq: 30 Apr 2018 22:25

Tot Ion:112 Resp: 65475

Ion Ratio Lower Upper

112 100

114 31.4 25.4 38.2

Instrument :

MSVOA_U

ClientSampleId :

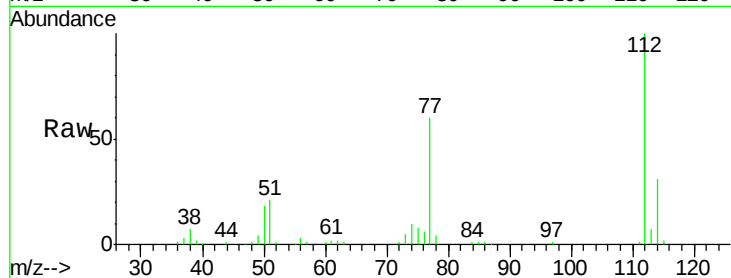
VU0430WBSD01

Manual Integrations

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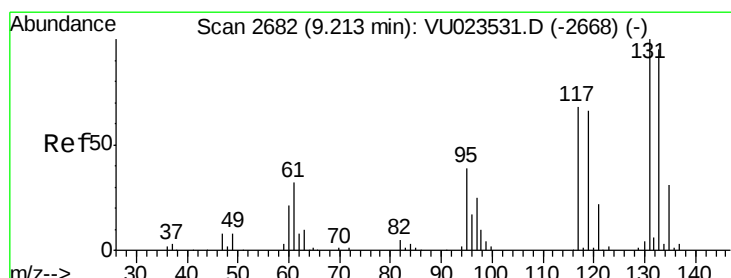
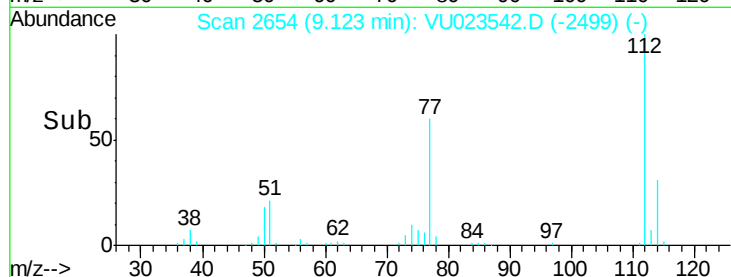
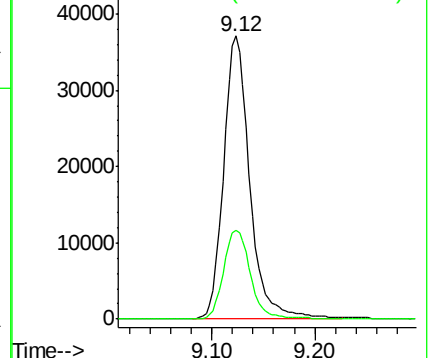
apatei

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#60

1,1,1,2-Tetrachloroethane

Concen: 2.03 ug/l

RT: 9.21 min Scan# 2682

Delta R.T. -0.00 min

Lab File: VU023542.D

Acq: 30 Apr 2018 22:25

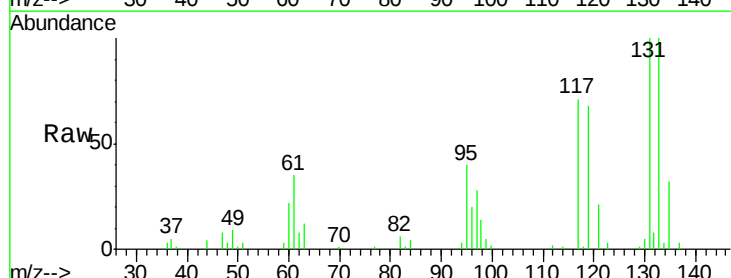
Tgt Ion:131 Resp: 21994

Ion Ratio Lower Upper

131 100

133 98.5 75.8 113.8

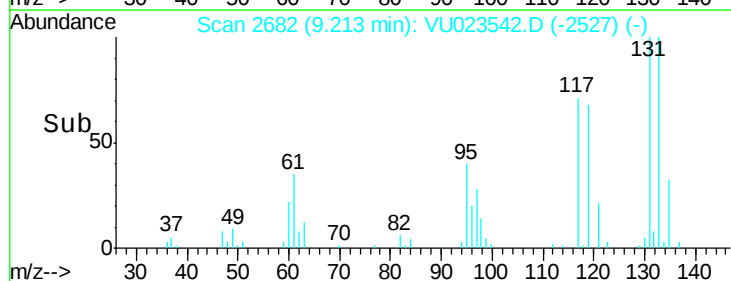
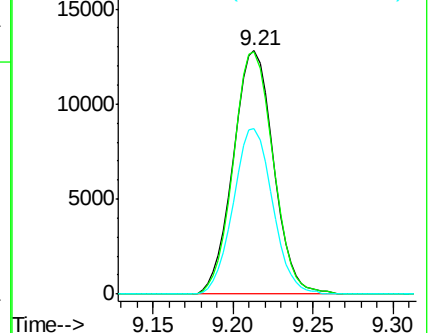
119 66.1 53.0 79.6

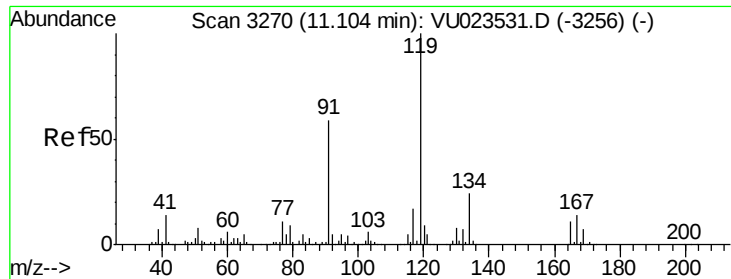


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#61
 Pentachloroethane
 Concen: 2.21 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU023542.D
 Acq: 30 Apr 2018 22:25

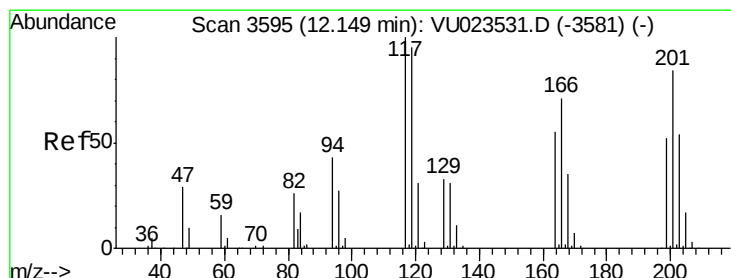
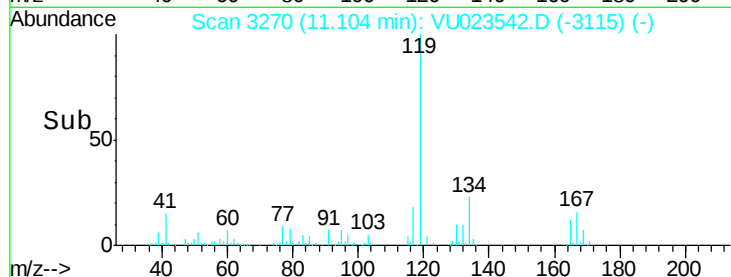
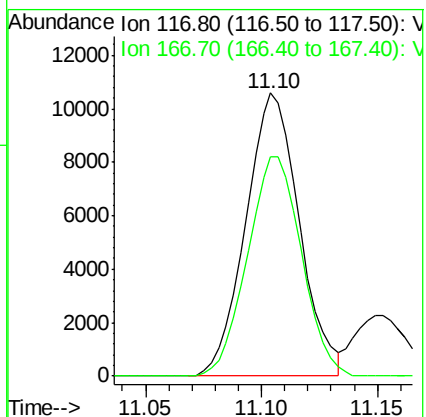
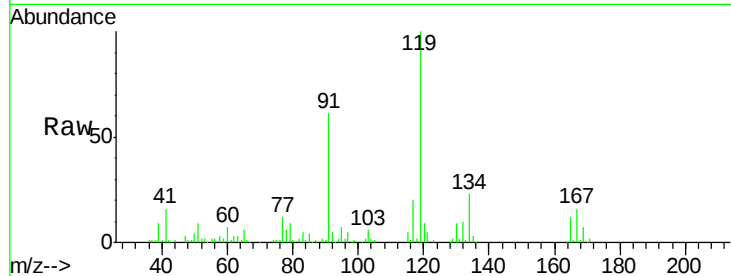
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0430WBSD01

Tot Ion:117 Resp: 17024
 Ion Ratio Lower Upper
 117 100
 167 78.1 69.2 103.8

Manual Integrations
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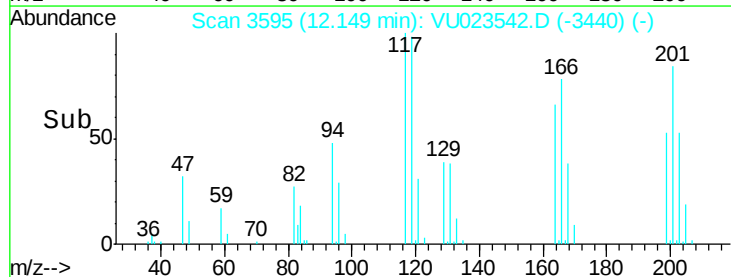
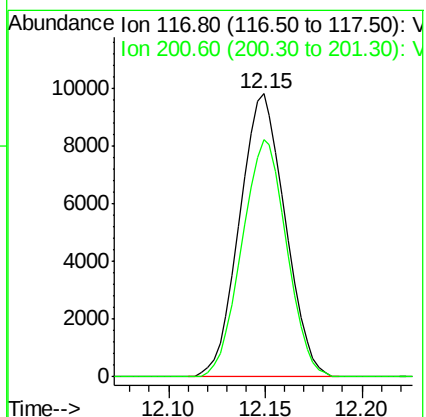
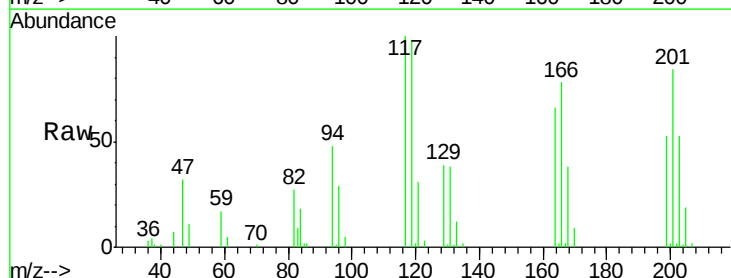
apatef

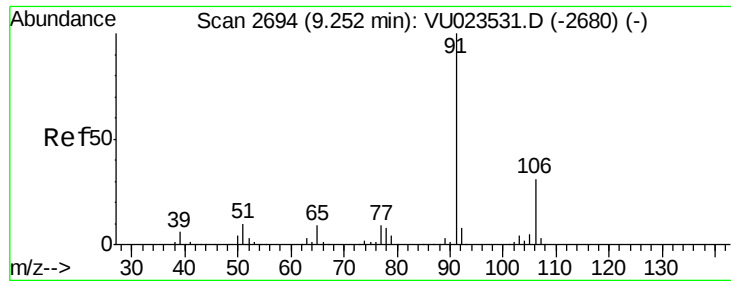
5/3/2018 4:49:19 PM



#62
 Hexachloroethane
 Concen: 2.18 ug/l
 RT: 12.15 min Scan# 3595
 Delta R.T. -0.00 min
 Lab File: VU023542.D
 Acq: 30 Apr 2018 22:25

Tgt Ion:117 Resp: 16092
 Ion Ratio Lower Upper
 117 100
 201 82.2 68.7 103.1





#63
Ethyl Benzene
Concen: 1.98 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VU023542.D
Acq: 30 Apr 2018 22:25

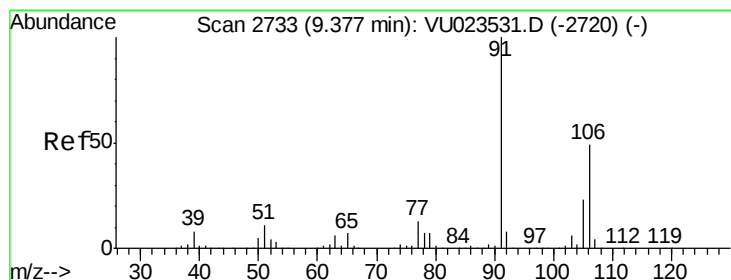
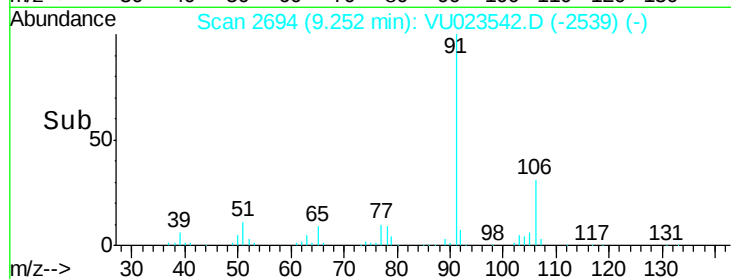
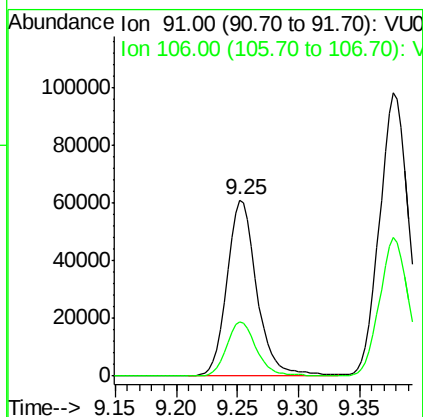
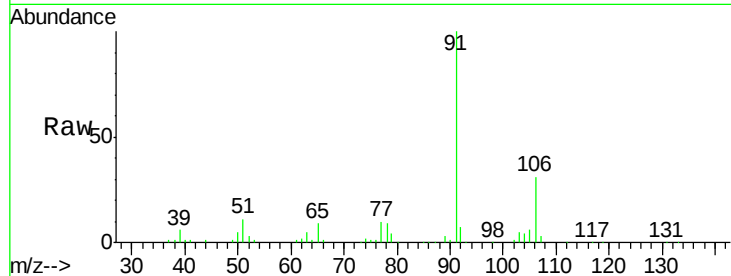
Instrument :
MSVOA_U
ClientSampled :
VU0430WBSD01

Tot Ion: 91 Resp: 105074
Ion Ratio Lower Upper
91 100
106 30.9 24.7 37.1

Manual Integrations
APPROVED

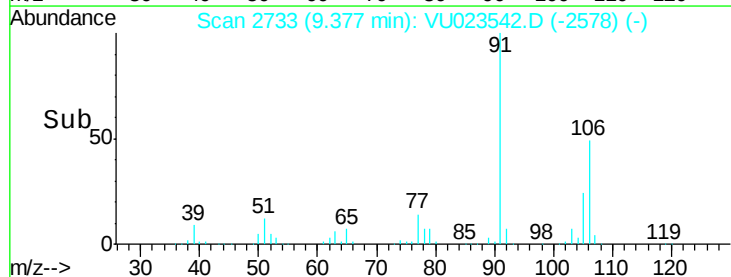
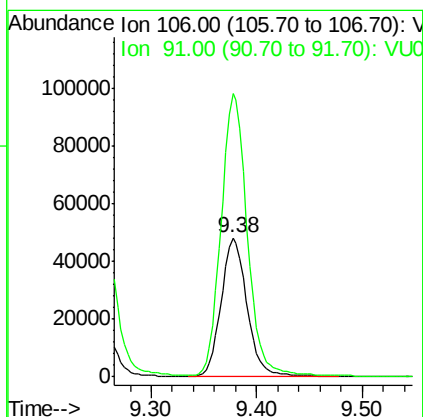
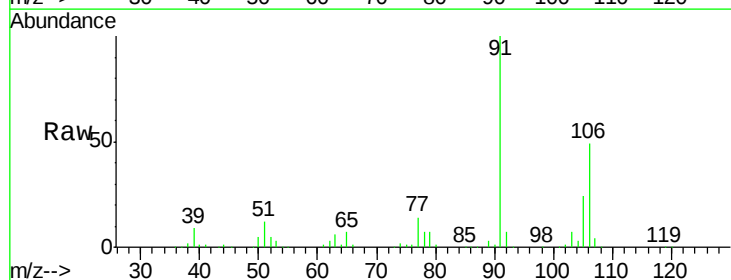
apatel

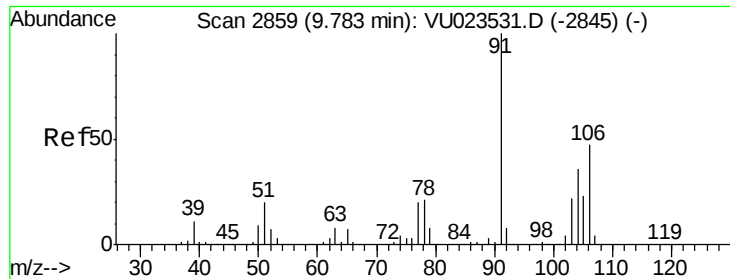
5/3/2018 4:49:19 PM



#64
m/p-Xylenes
Concen: 4.01 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU023542.D
Acq: 30 Apr 2018 22:25

Tgt Ion: 106 Resp: 82212
Ion Ratio Lower Upper
106 100
91 203.8 164.1 246.1





#65
o-Xylene
Concen: 2.00 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU023542.D
Acq: 30 Apr 2018 22:25

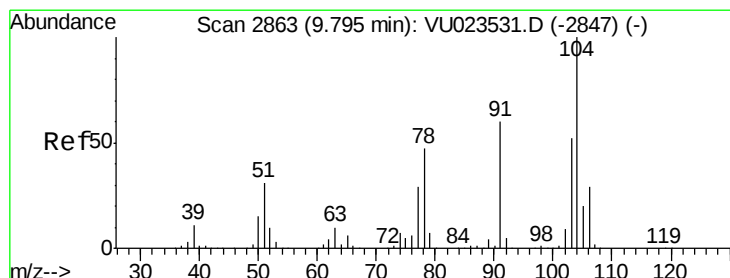
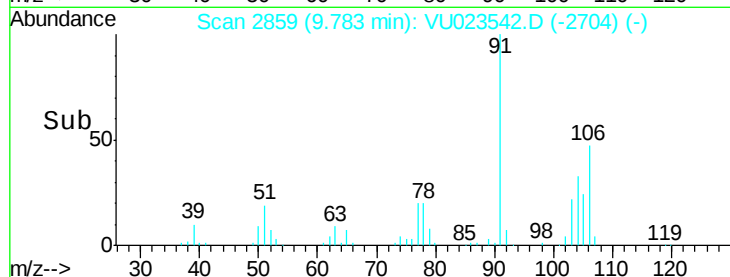
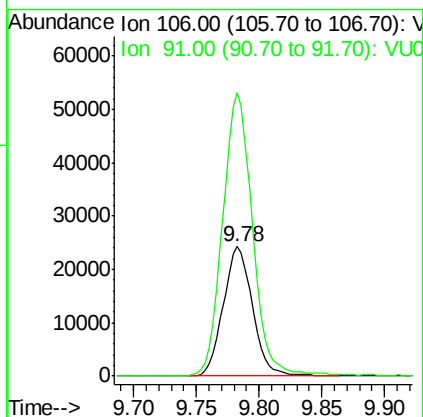
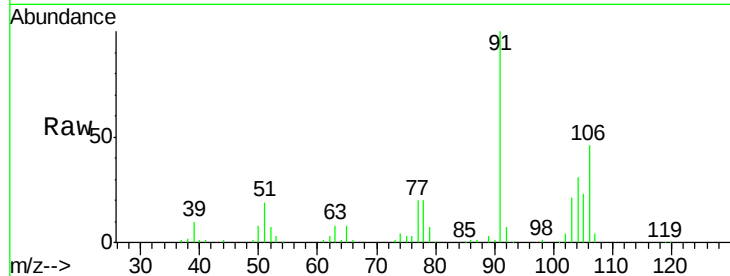
Instrument :
MSVOA_U
ClientSampleId :
VU0430WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	223.4	107.9	323.7

Manual Integrations
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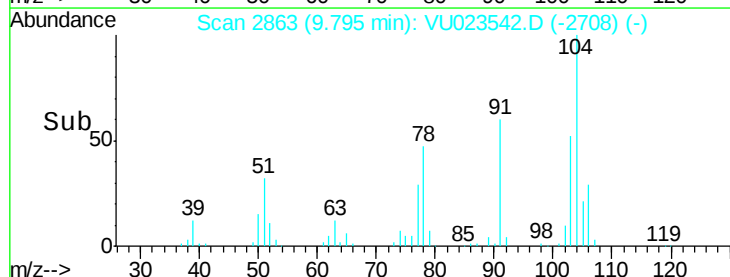
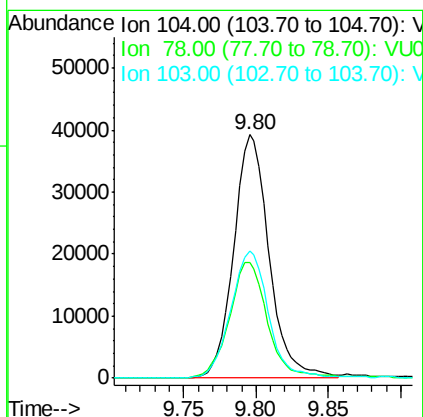
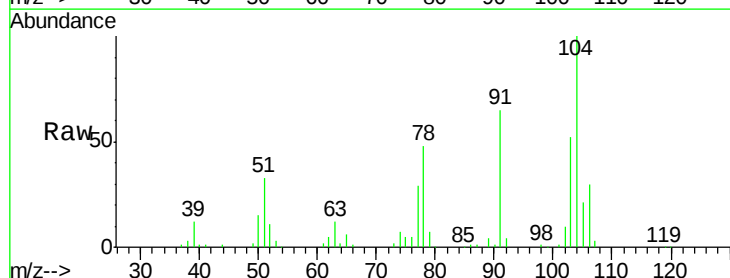
apatel

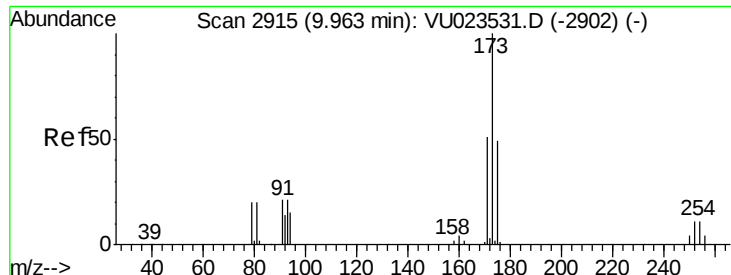
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#66
Styrene
Concen: 2.05 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU023542.D
Acq: 30 Apr 2018 22:25

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.1	40.2	60.2
103	55.9	44.2	66.4





#67
Bromoform
Concen: 2.13 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. -0.00 min
Lab File: VU023542.D
Acq: 30 Apr 2018 22:25

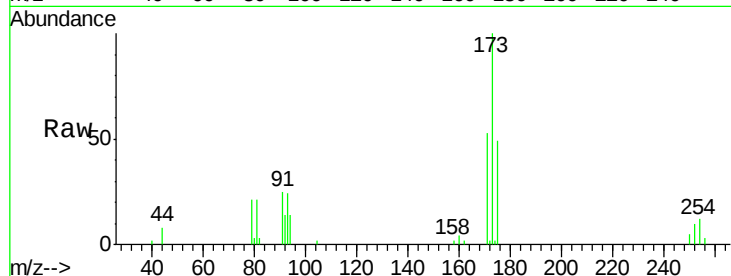
Instrument :
MSVOA_U
ClientSampleId :
VU0430WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	38.6	57.8
254	10.2	8.8	13.2

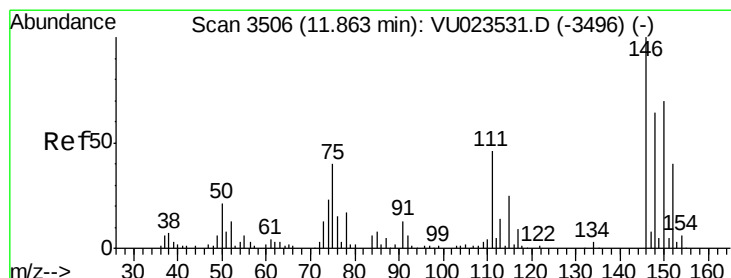
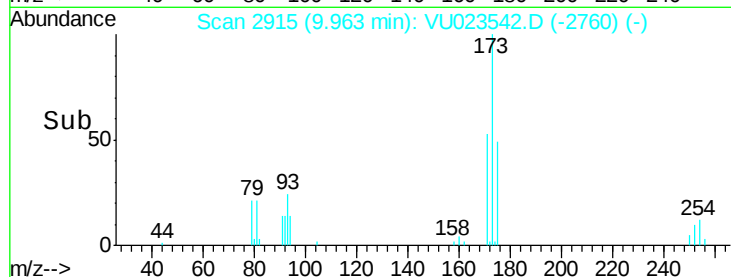
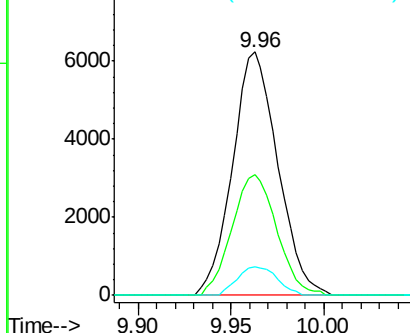
Manual Integrations
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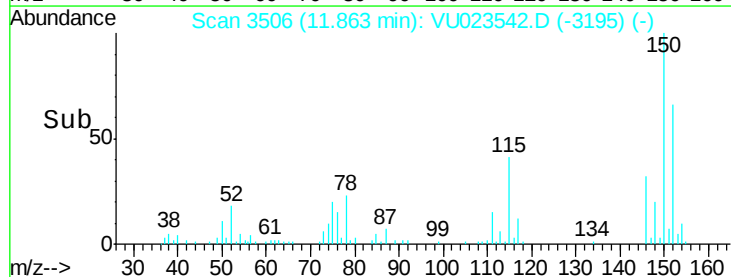
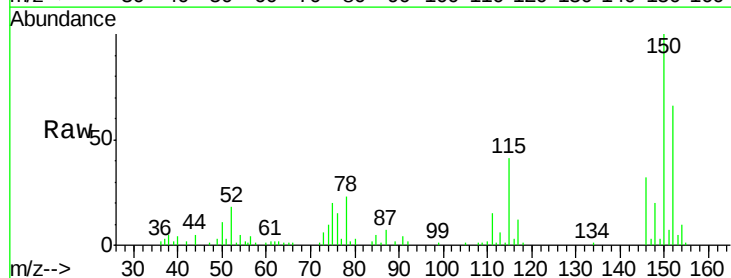
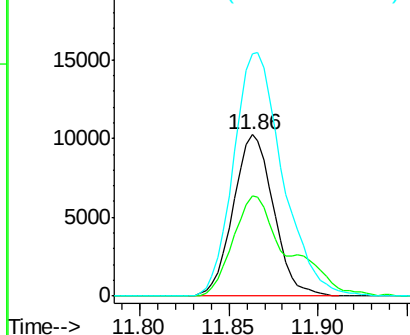
Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

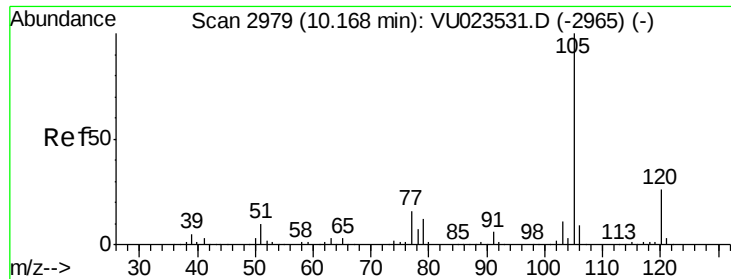


#68
1,2-Dichlorobenzene-d4
Concen: 2.13 ug/l
RT: 11.86 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VU023542.D
Acq: 30 Apr 2018 22:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.7	0.0	118.8
150	183.5	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: 2.03 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU023542.D

Acq: 30 Apr 2018 22:25

Instrument :

MSVOA_U

ClientSampled :

VU0430WBSD01

Tot Ion: 105 Resp: 103213

Ion Ratio Lower Upper

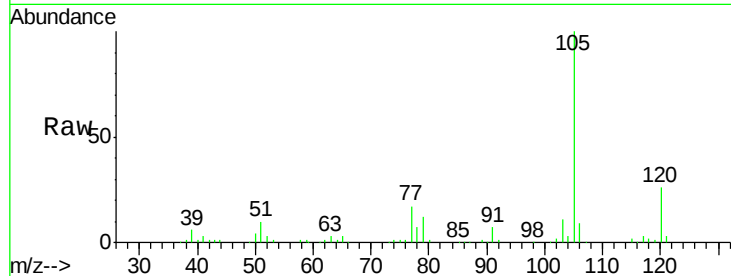
105 100

120 26.1 13.1 39.3

Manual Integrations
APPROVED

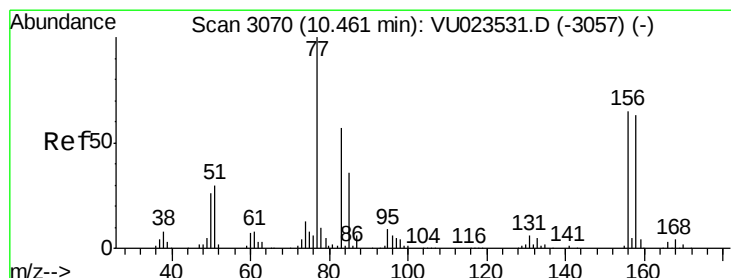
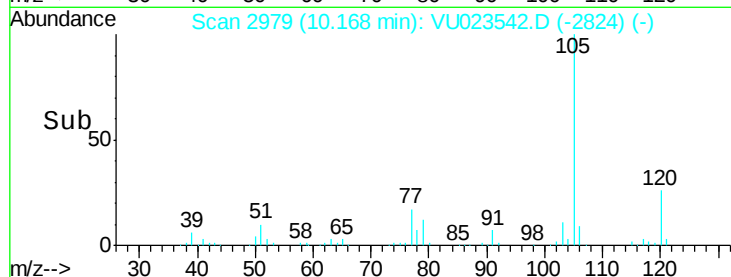
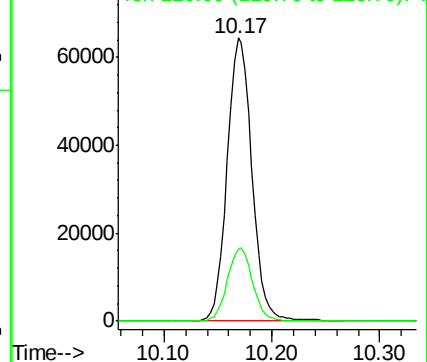
apatei

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#70

1,1,2,2-Tetrachloroethane

Concen: 2.29 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU023542.D

Acq: 30 Apr 2018 22:25

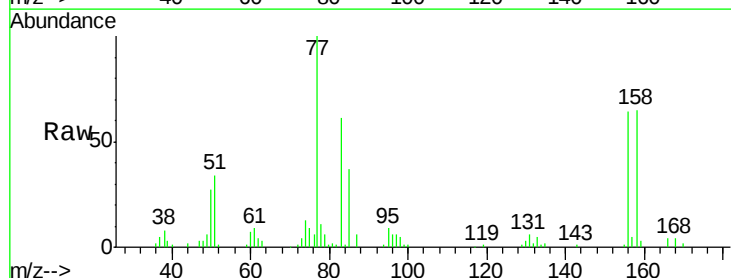
Tgt Ion: 83 Resp: 22390

Ion Ratio Lower Upper

83 100

131 9.7 7.9 11.9

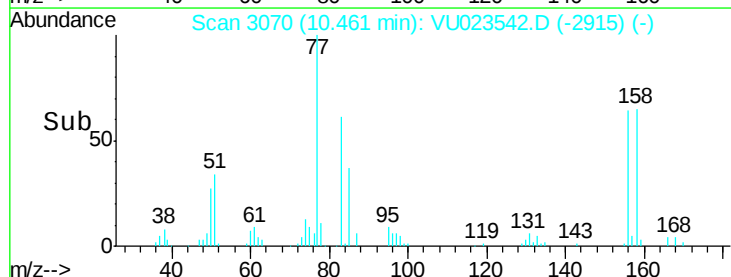
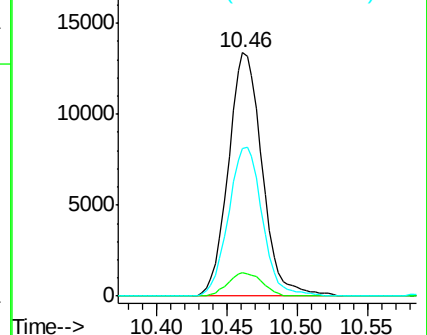
85 61.4 51.8 77.6

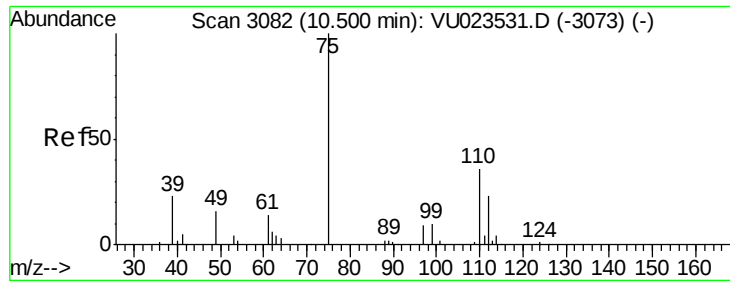


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0





#71
1,2,3-Trichloropropane
Concen: 2.46 ug/l m
RT: 10.50 min Scan# 3082
Delta R.T. -0.00 min
Lab File: VU023542.D
Acq: 30 Apr 2018 22:25

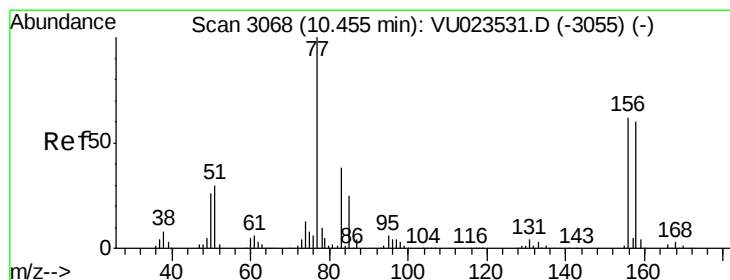
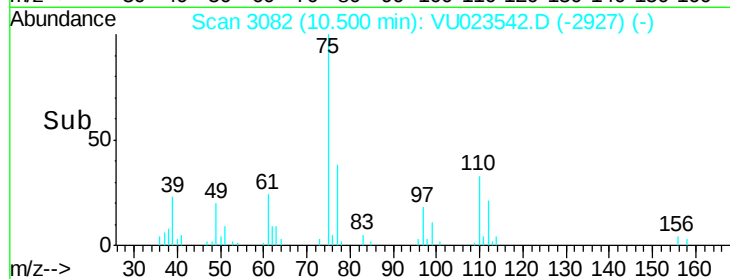
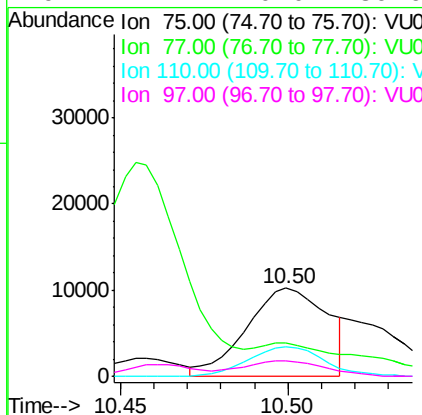
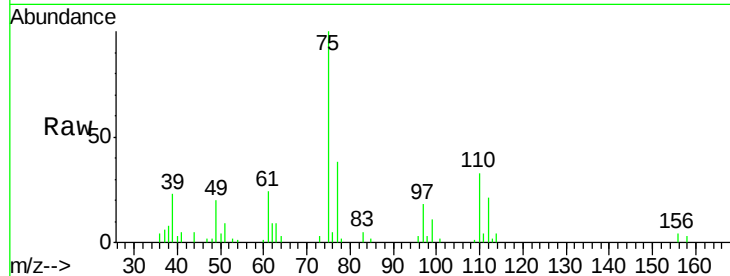
Instrument :
MSVOA_U
ClientSampled :
VU0430WBSD01

Tot Ion:	75	Resp:	17222
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0
110	31.3	0.0	74.0
97	17.7	0.0	39.6

Manual Integrations
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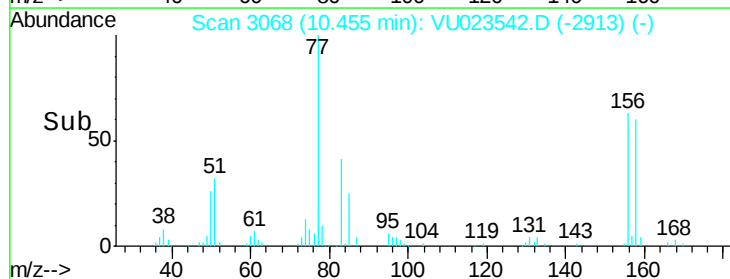
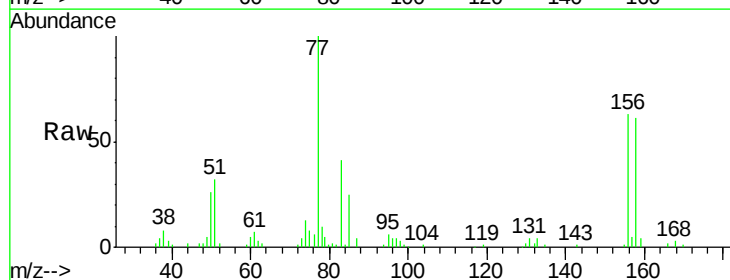
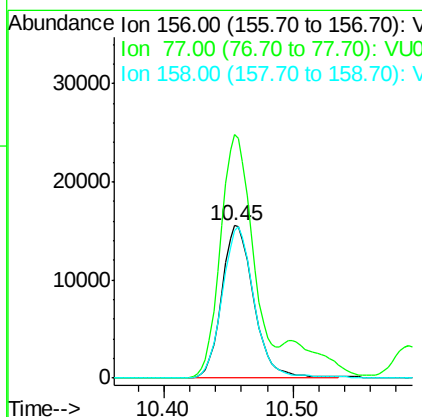
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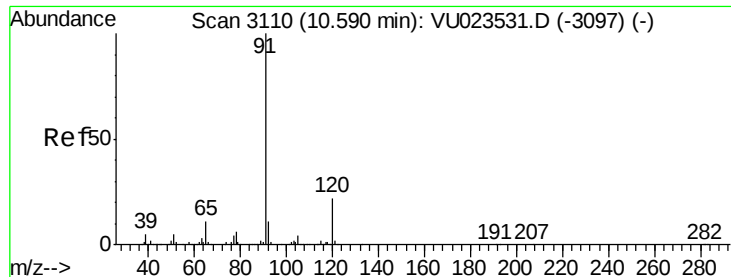
5/3/2018 4:49:19 PM



#72
Bromobenzene
Concen: 2.12 ug/l
RT: 10.45 min Scan# 3068
Delta R.T. -0.00 min
Lab File: VU023542.D
Acq: 30 Apr 2018 22:25

Tgt Ion:	156	Resp:	26834
Ion	Ratio	Lower	Upper
156	100		
77	160.3	0.0	309.8
158	98.1	0.0	193.0





#73

n-propylbenzene

Concen: 2.02 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU023542.D

Acq: 30 Apr 2018 22:25

Instrument :

MSVOA_U

ClientSampleId :

VU0430WBSD01

Tot Ion:120 Resp: 28370

Ion Ratio Lower Upper

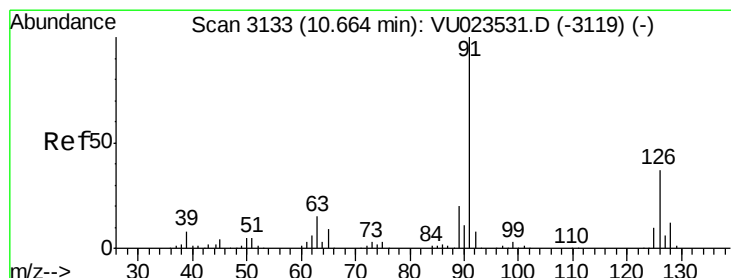
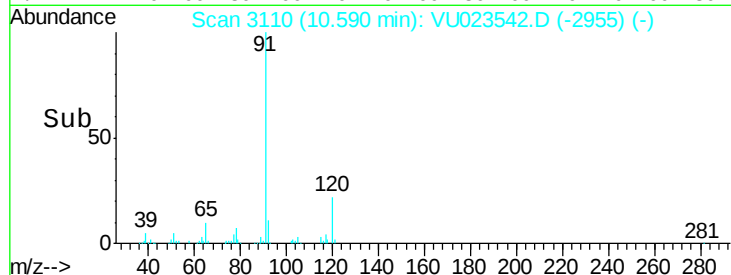
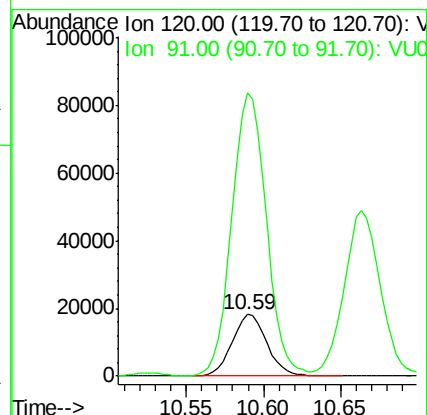
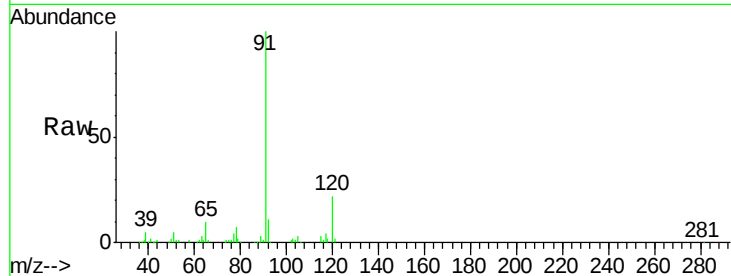
120 100

91 454.8 352.2 528.4

Manual Integrations
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#74

2-Chlorotoluene

Concen: 2.10 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU023542.D

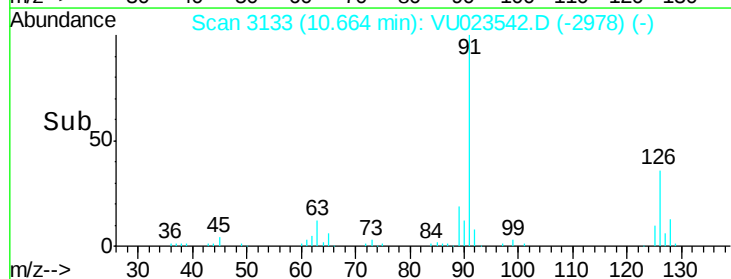
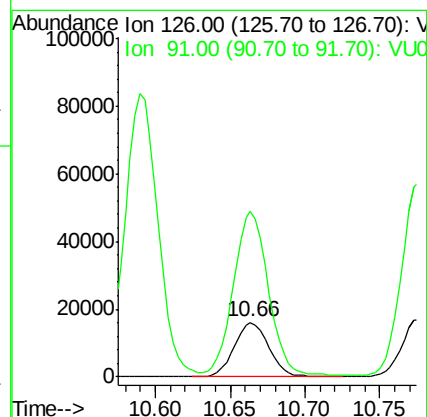
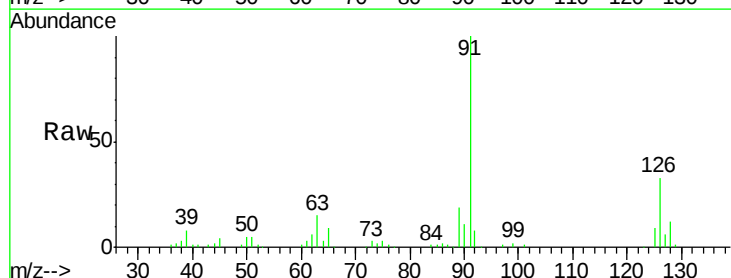
Acq: 30 Apr 2018 22:25

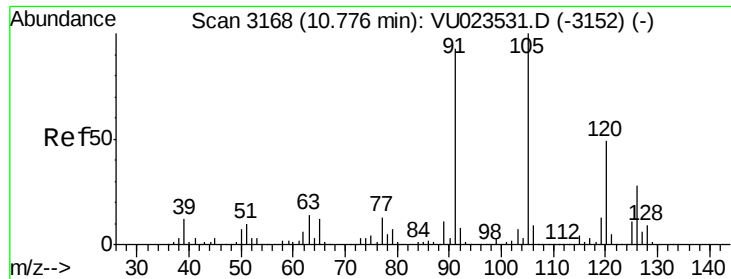
Tgt Ion:126 Resp: 26042

Ion Ratio Lower Upper

126 100

91 307.7 0.0 613.0





#75

1,3,5-Trimethylbenzene

Concen: 2.11 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU023542.D

Acq: 30 Apr 2018 22:25

Instrument :

MSVOA_U

ClientSampleId :

VU0430WBSD01

Tot Ion:105 Resp: 90533

Ion Ratio Lower Upper

105 100

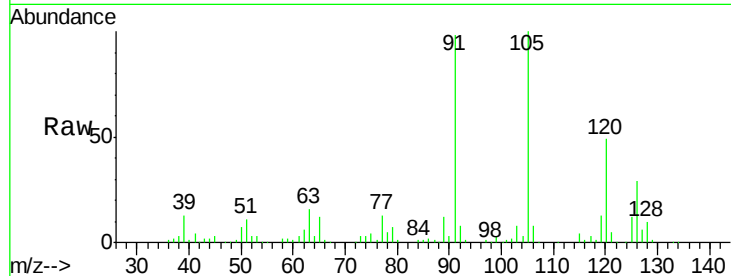
120 48.8 39.0 58.6

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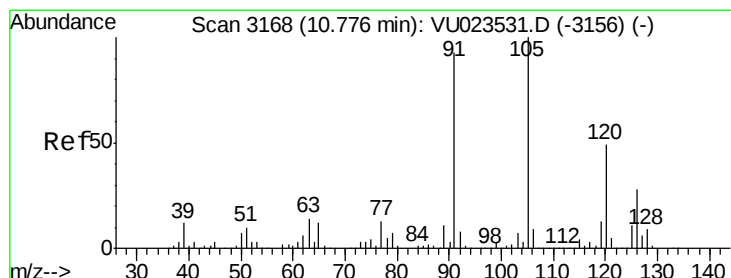
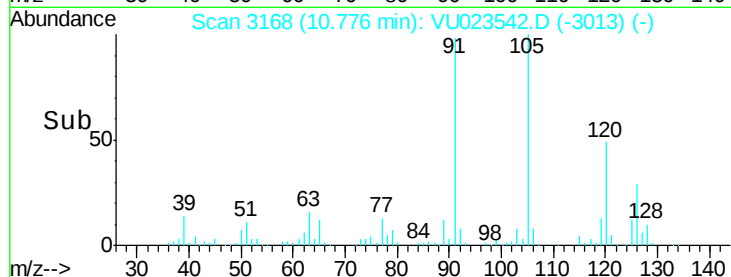
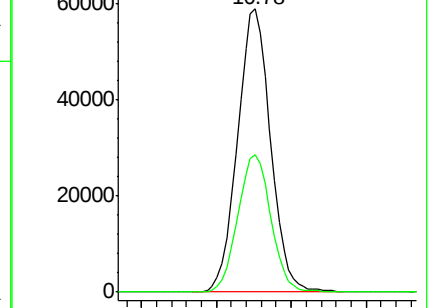
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 2.14 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU023542.D

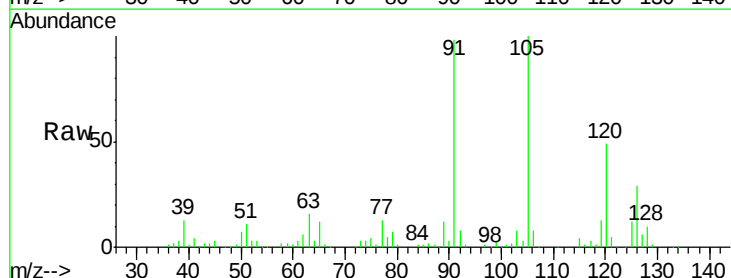
Acq: 30 Apr 2018 22:25

Tgt Ion:126 Resp: 27561

Ion Ratio Lower Upper

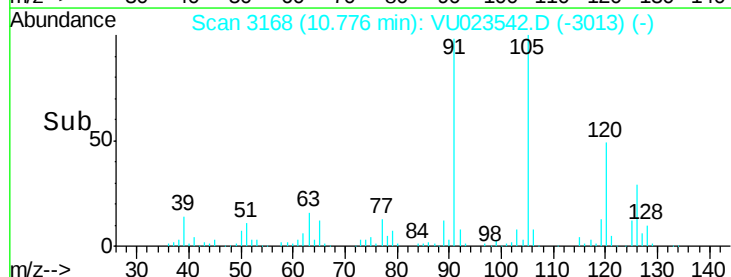
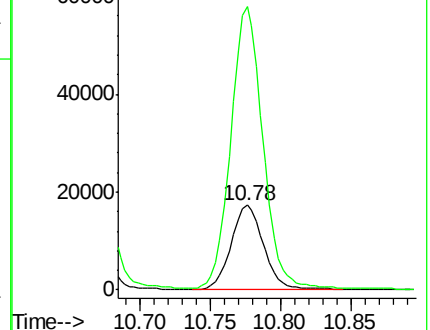
126 100

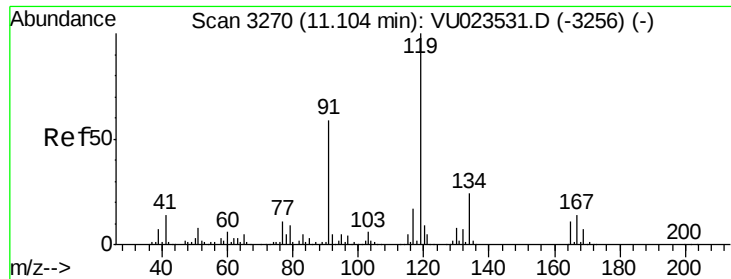
91 332.4 0.0 667.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77
 tert-Butylbenzene
 Concen: 2.08 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU023542.D
 Acq: 30 Apr 2018 22:25

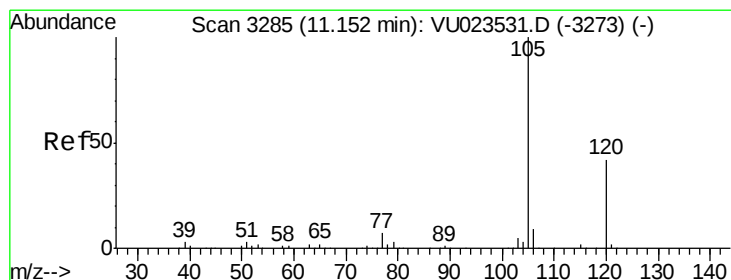
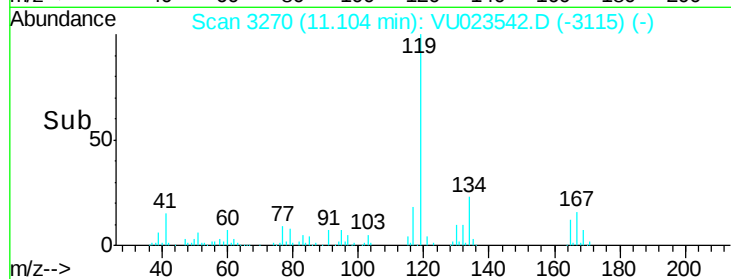
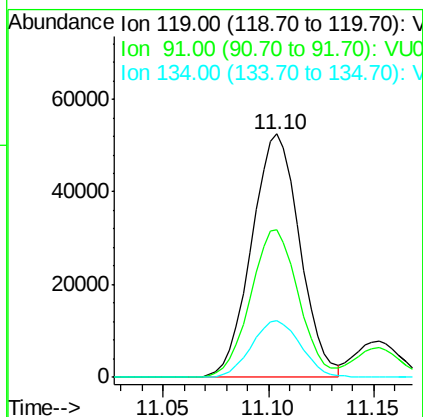
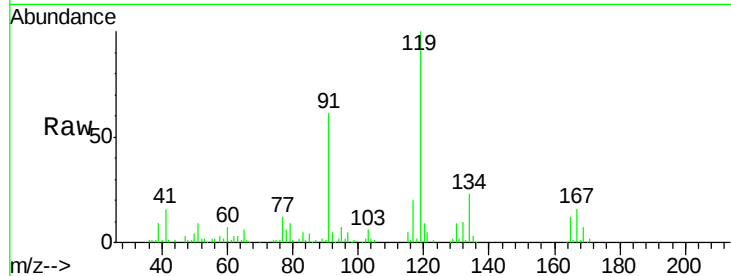
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0430WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.6	29.6	88.8
134	23.7	19.1	28.7

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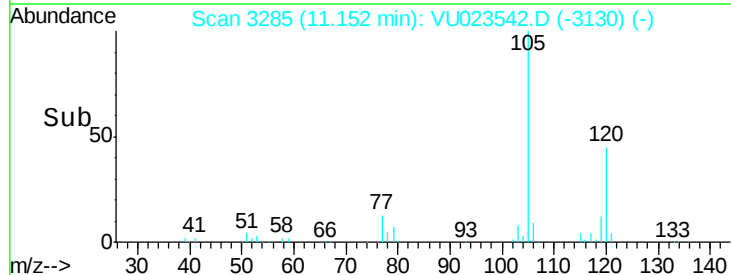
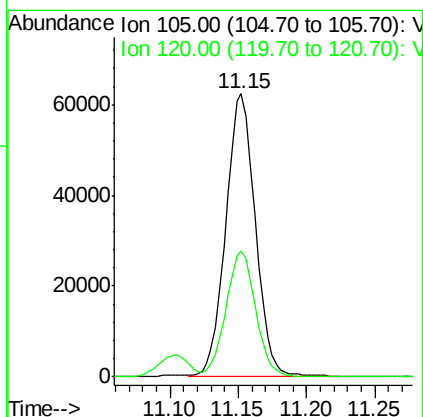
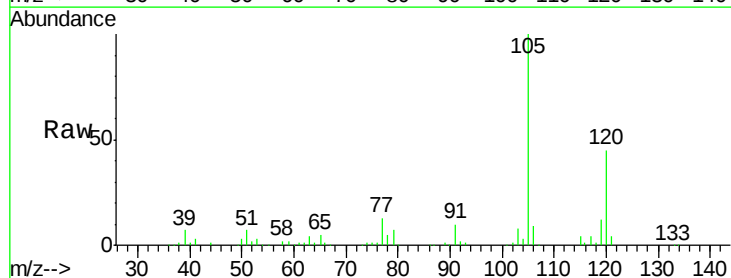
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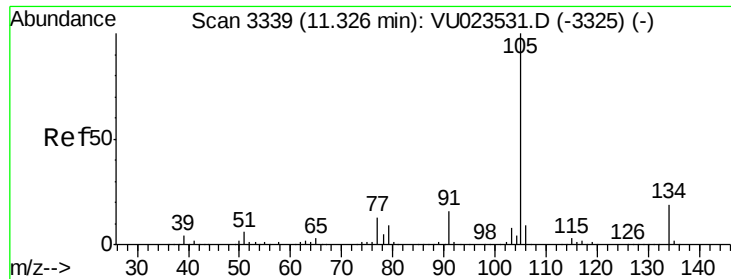
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#78
 1,2,4-Trimethylbenzene
 Concen: 2.16 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. -0.00 min
 Lab File: VU023542.D
 Acq: 30 Apr 2018 22:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	23.1	69.3





#79

sec-Butylbenzene

Concen: 2.11 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VU023542.D

Acq: 30 Apr 2018 22:25

Instrument :

MSVOA_U

ClientSampleId :

VU0430WBSD01

Tot Ion: 105 Resp: 118499

Ion Ratio Lower Upper

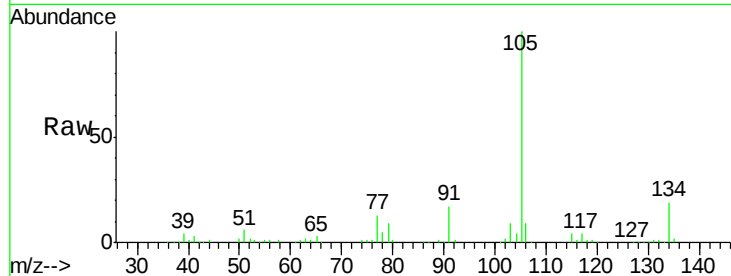
105 100

134 19.4 15.6 23.4

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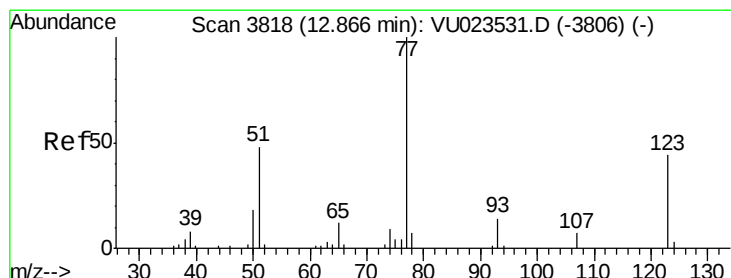
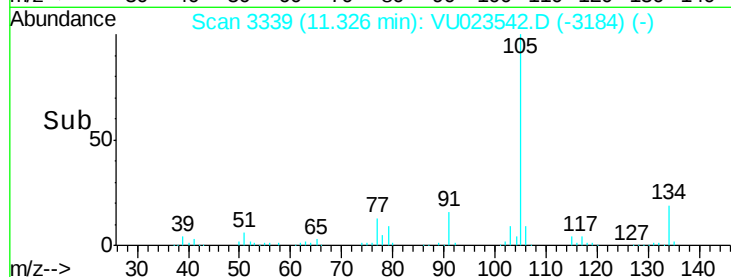
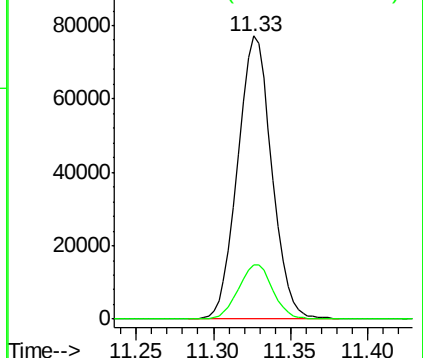
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 11.13 ug/l

RT: 12.87 min Scan# 3819

Delta R.T. 0.00 min

Lab File: VU023542.D

Acq: 30 Apr 2018 22:25

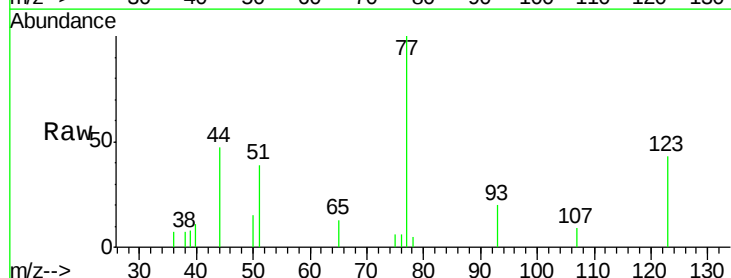
Tgt Ion: 77 Resp: 3719

Ion Ratio Lower Upper

77 100

123 39.8 19.4 68.6

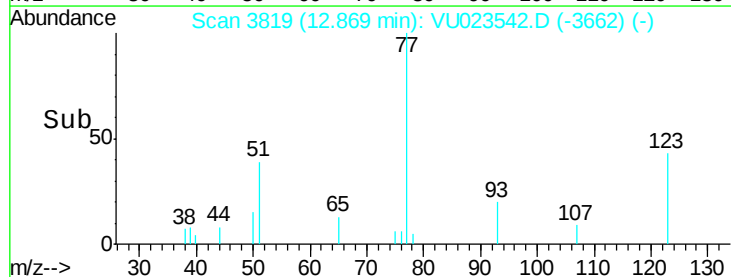
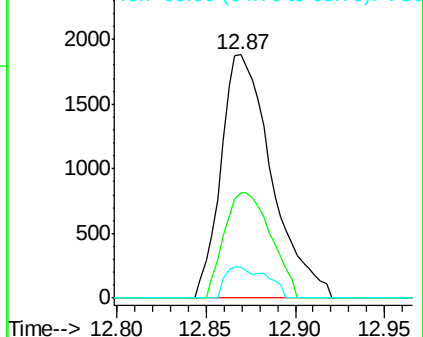
65 10.4 11.2 14.2#

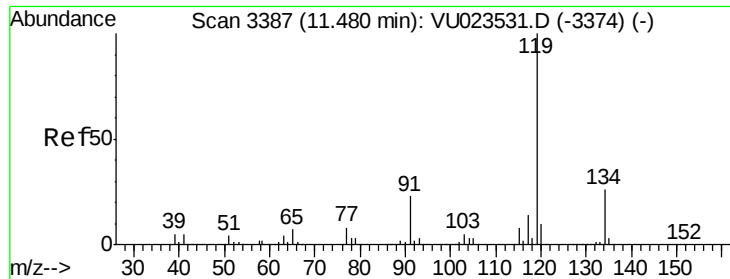


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





#81
 p-Isopropyltoluene
 Concen: 2.11 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. -0.00 min
 Lab File: VU023542.D
 Acq: 30 Apr 2018 22:25

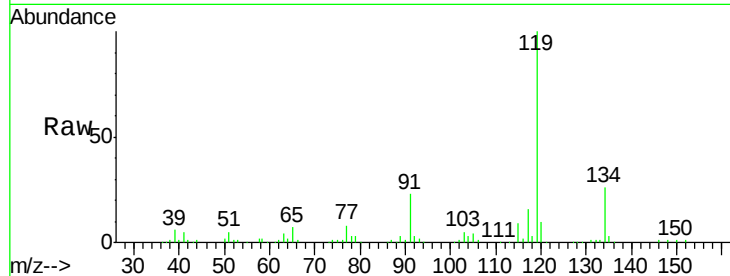
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0430WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.9	31.3
91	23.3	18.2	27.2

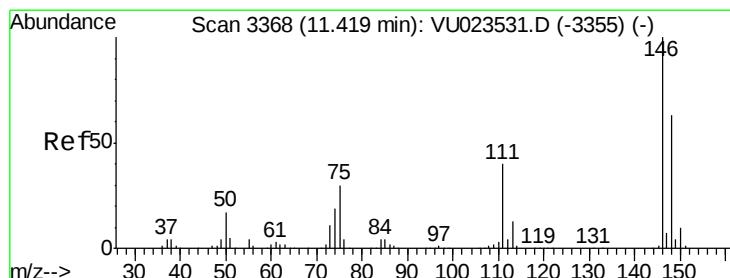
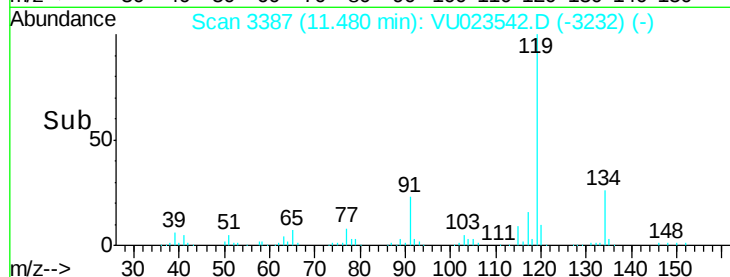
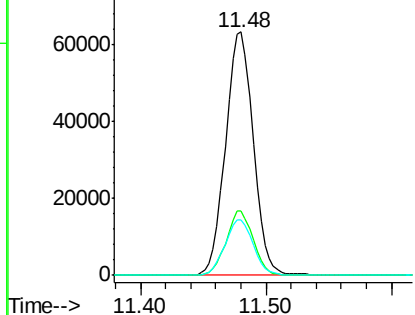
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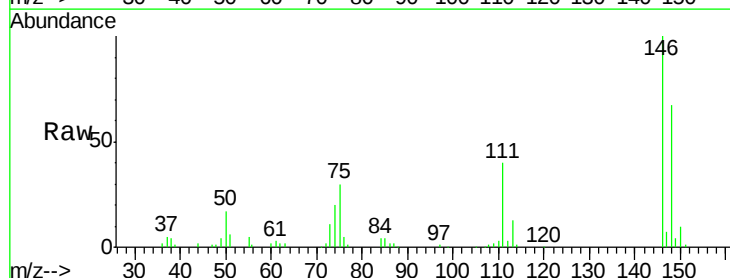


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

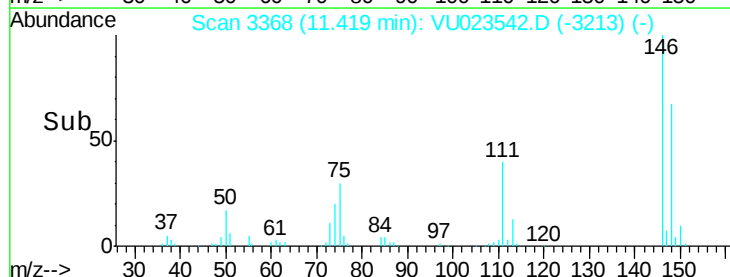
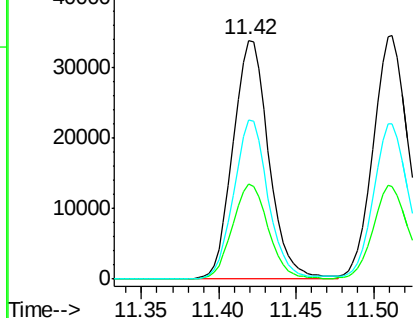


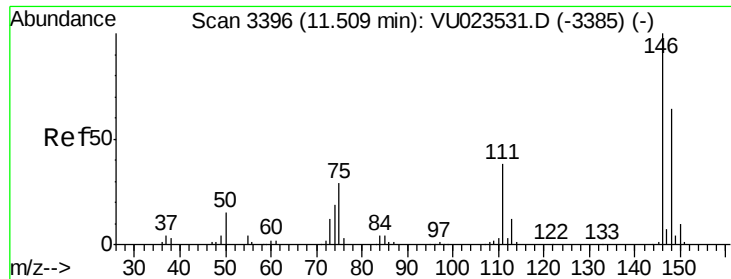
#82
 1,3-Dichlorobenzene
 Concen: 2.15 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU023542.D
 Acq: 30 Apr 2018 22:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	31.8	47.6
148	64.2	51.0	76.4



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#83
 1,4-Dichlorobenzene
 Concen: 2.19 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU023542.D
 Acq: 30 Apr 2018 22:25

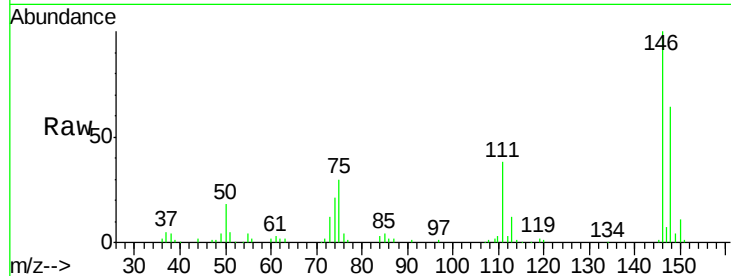
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0430WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	30.1	45.1
148	64.8	50.6	76.0

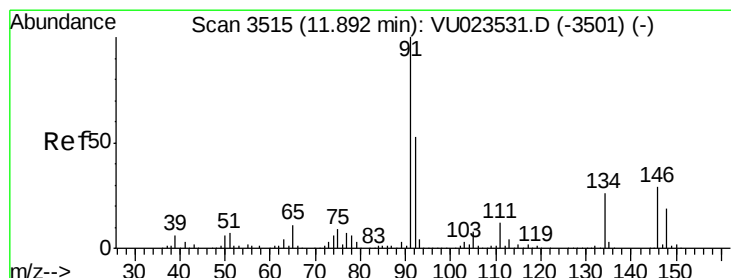
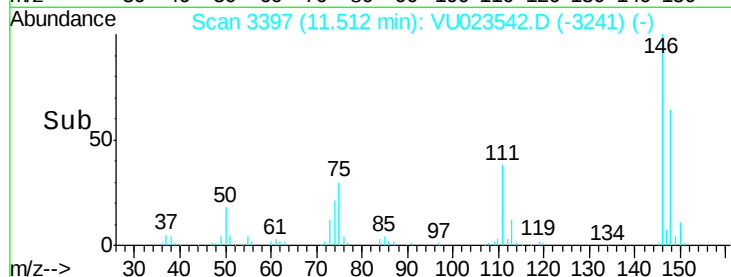
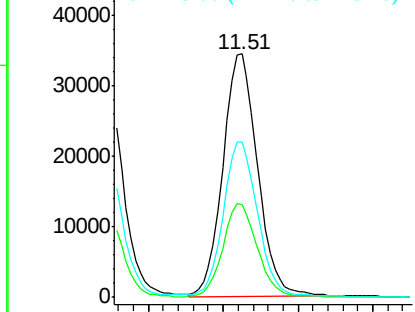
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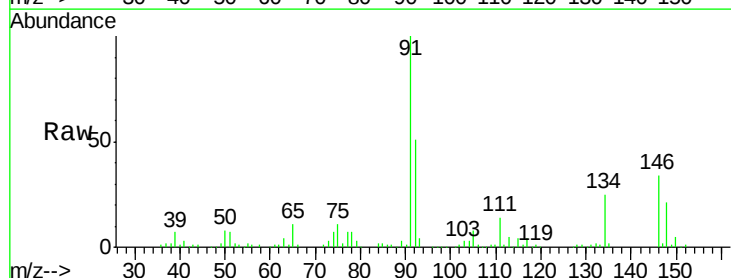


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

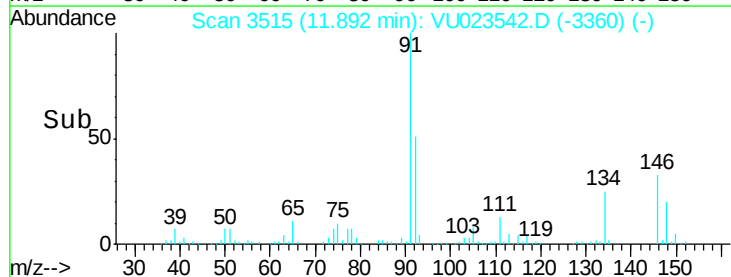
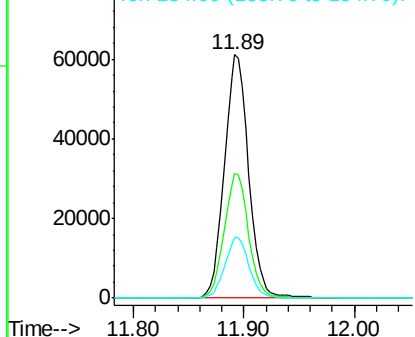


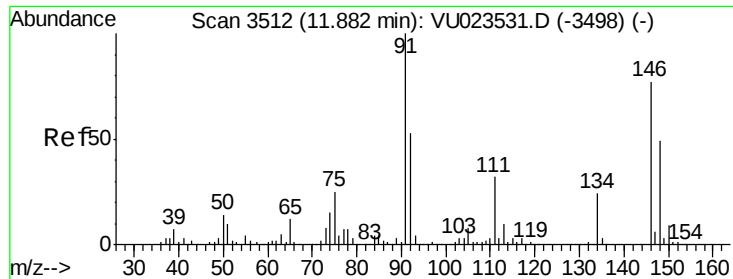
#84
 n-Butylbenzene
 Concen: 2.07 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. -0.00 min
 Lab File: VU023542.D
 Acq: 30 Apr 2018 22:25

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.1	42.2	63.2
134	24.8	20.3	30.5



Abundance Ion 91.00 (90.70 to 91.70): VU0
 Ion 92.00 (91.70 to 92.70): VU0
 Ion 134.00 (133.70 to 134.70): V





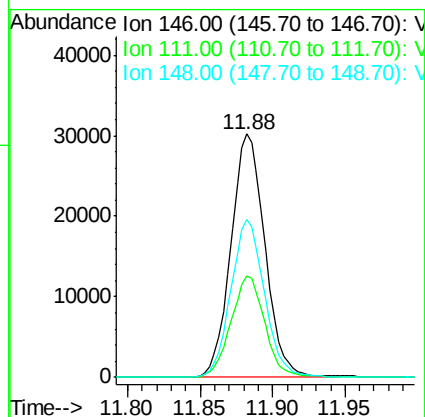
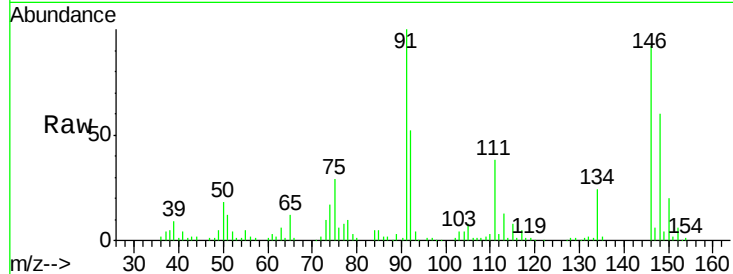
#85
 1,2-Dichlorobenzene
 Concen: 2.16 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU023542.D
 Acq: 30 Apr 2018 22:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0430WBSD01

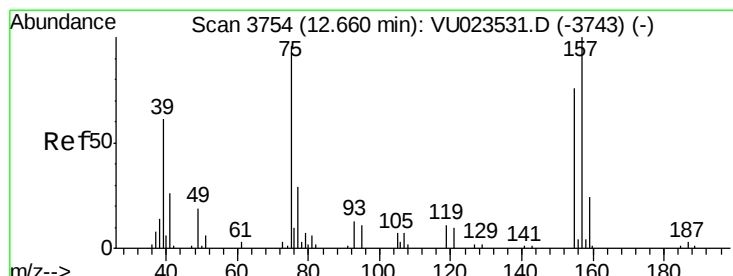
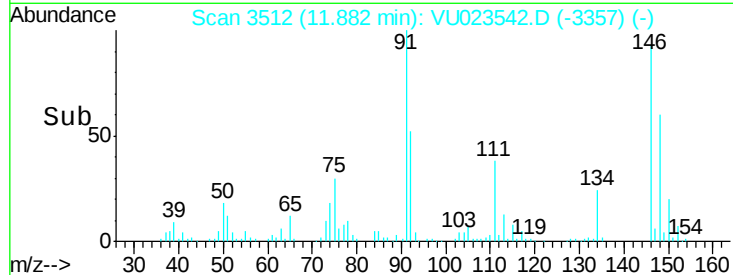
Tot Ion:	146	Resp:	49138
Ion Ratio	Lower	Upper	
146	100		
111	41.5	20.7	62.1
148	64.0	31.9	95.5

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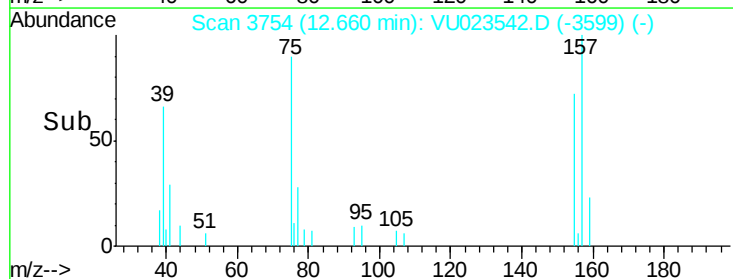
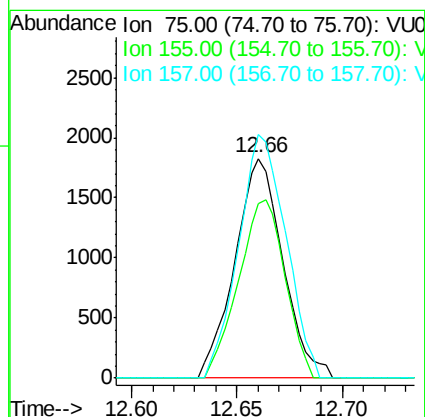
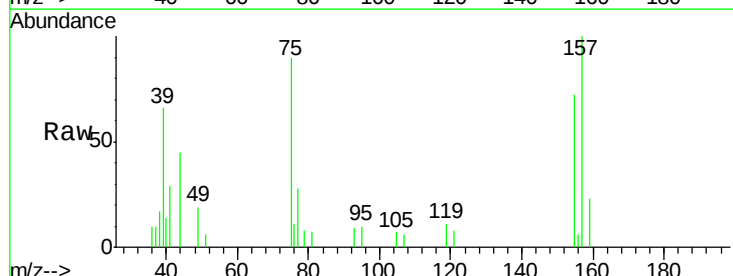


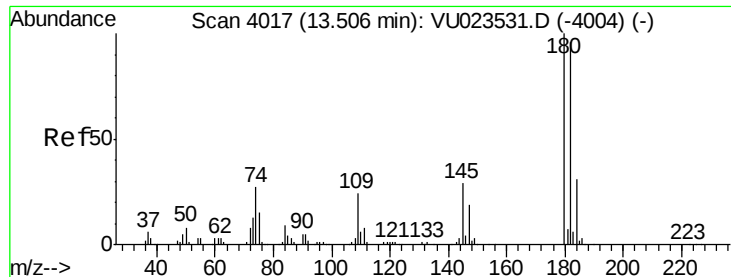
5/3/2018 4:49:19 PM



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 2.10 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. -0.00 min
 Lab File: VU023542.D
 Acq: 30 Apr 2018 22:25

Tgt Ion:	75	Resp:	2893
Ion Ratio	Lower	Upper	
75	100		
155	78.3	65.8	98.6
157	109.2	83.5	125.3





#87
 1,2,4-Trichlorobenzene
 Concen: 2.04 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU023542.D
 Acq: 30 Apr 2018 22:25

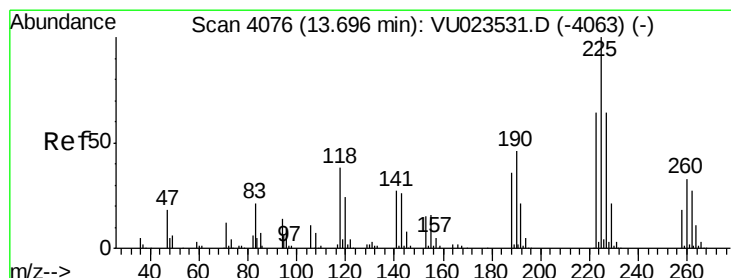
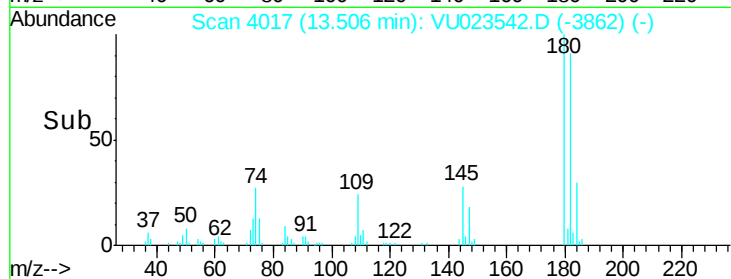
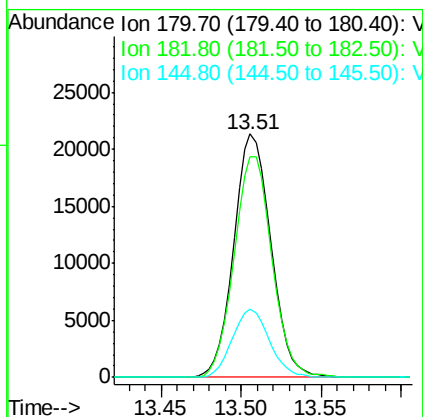
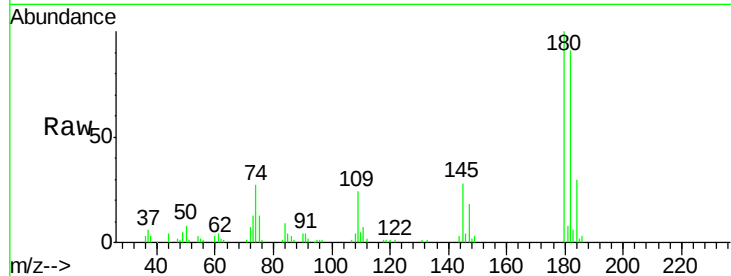
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0430WBSD01

Tot Ion:	180	Resp:	33605
Ion Ratio	Lower	Upper	
180	100		
182	92.8	77.1	115.7
145	27.9	23.3	34.9

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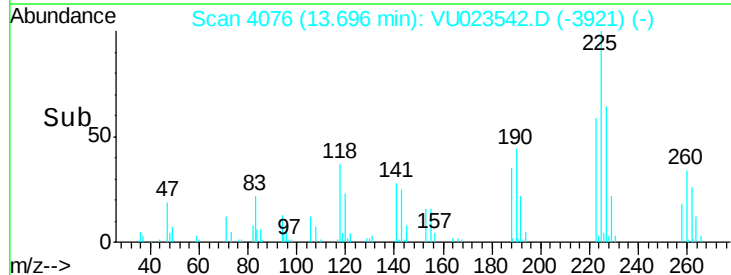
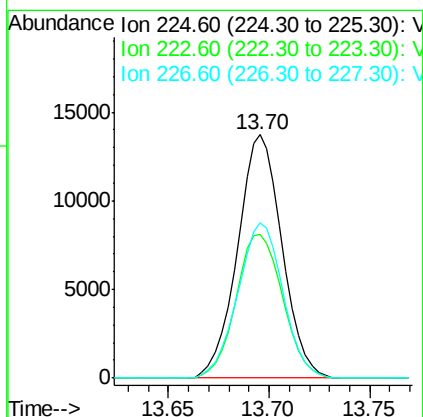
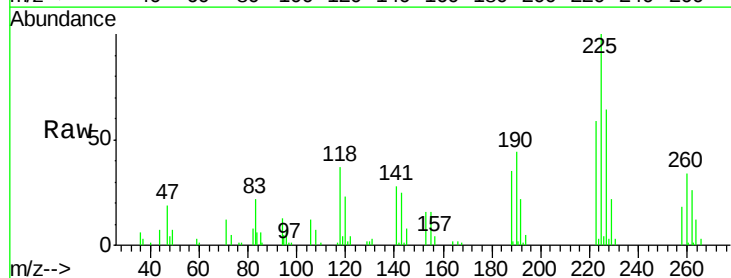
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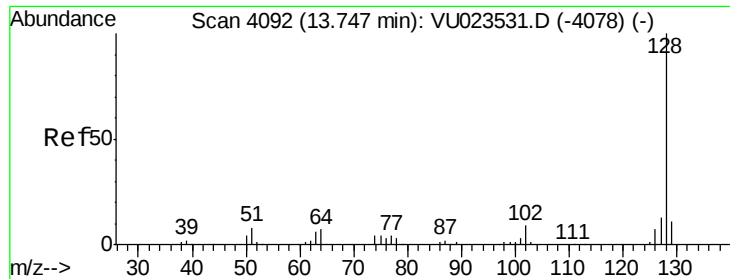
5/3/2018 4:49:19 PM



#88
 Hexachlorobutadiene
 Concen: 2.11 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU023542.D
 Acq: 30 Apr 2018 22:25

Tgt Ion:	225	Resp:	21148
Ion Ratio	Lower	Upper	
225	100		
223	62.2	50.6	75.8
227	65.1	51.8	77.6





#89
Naphthalene
Concen: 1.86 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. -0.00 min
Lab File: VU023542.D
Acq: 30 Apr 2018 22:25

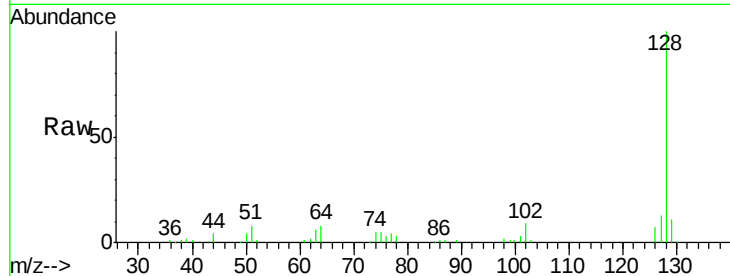
Instrument :
MSVOA_U
ClientSampleId :
VU0430WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.7	8.7	13.1

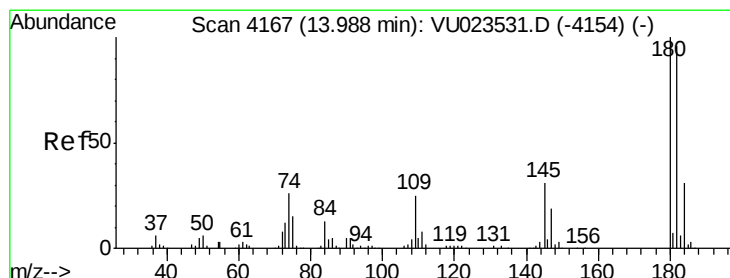
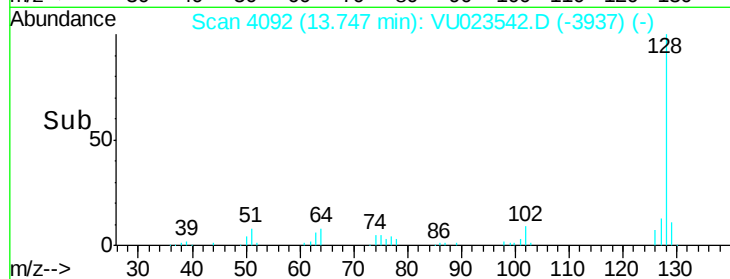
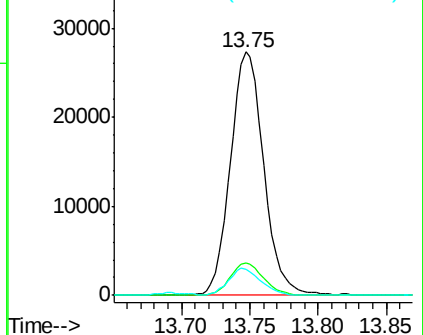
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5/3/2018 4:49:19 PM

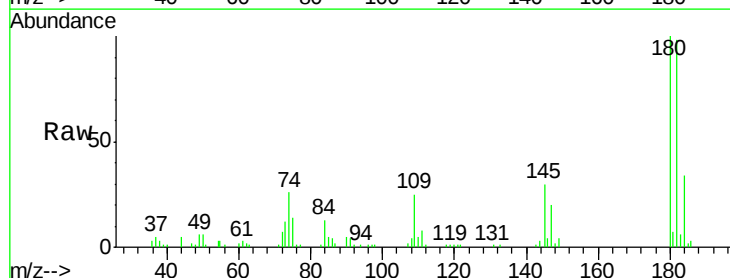


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#90
1,2,3-Trichlorobenzene
Concen: 2.00 ug/l
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU023542.D
Acq: 30 Apr 2018 22:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.8	115.2
145	30.8	24.6	36.8



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

