

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121418\
 Data File : VU028668.D
 Acq On : 13 Dec 2018 10:19
 Operator : MD/SY
 Sample : VU1214WBS01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1214WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/14/2018 9:32:18 AM

Quant Time: Dec 14 05:45:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U112618DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Nov 27 01:03:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	14909	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	5231	0.96	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	4999	0.98	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	11163	2.081	ug/l	99
3) Chloromethane	1.33	50	18025	1.975	ug/l	99
4) Vinyl Chloride	1.40	62	13050	2.089	ug/l	97
5) Bromomethane	1.61	94	5283	2.146	ug/l	97
6) Chloroethane	1.68	64	7281	1.996	ug/l	99
7) Trichlorofluoromethane	1.88	101	14038	2.057	ug/l	96
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	8473	2.159	ug/l	97
9) 1,1-Dichloroethene	2.28	96	7641	2.105	ug/l	93
10) Iodomethane	2.40	142	7745	3.155	ug/l	97
11) Allyl Chloride	2.59	41	19076	2.082	ug/l	99
12) Acrylonitrile	2.94	53	5000	4.324	ug/l	93
13) Acetone	2.32	43	10664	9.953	ug/l	97
14) Carbon Disulfide	2.47	76	28065	2.035	ug/l	99
15) Methylene Chloride	2.69	84	9709	2.194	ug/l	90
16) trans-1,2-Dichloroethene	2.98	96	8717	2.146	ug/l	94
17) 1,1-Dichloroethane	3.44	63	19399	2.142	ug/l	98
18) 2-Butanone	4.28	43	17980	11.230	ug/l	99
19) Cyclohexane	4.98	56	16309	2.074	ug/l	96
20) Methylcyclohexane	6.40	83	14471	1.880	ug/l	97
21) 2,2-Dichloropropane	4.22	77	15348	2.112	ug/l	97
22) cis-1,2-Dichloroethene	4.22	96	9631	2.026	ug/l	97
23) Diethyl Ether	2.10	59	7418	2.039	ug/l	93
24) tert-Butyl Alcohol	2.84	59	7627	20.882	ug/l #	88
25) Methyl tert-Butyl Ether	3.00	73	22328	2.071	ug/l	100
26) Bromochloromethane	4.54	128	3644	2.011	ug/l	95
27) Chloroform	4.67	83	16822	1.926	ug/l	94
28) 1,1,1-Trichloroethane	4.91	97	13565	1.989	ug/l	98
29) 1,1-Dichloropropene	5.13	75	13008	1.988	ug/l	95
30) Carbon Tetrachloride	5.13	117	11102	2.016	ug/l	96
31) Isopropyl Ether	3.58	45	34694	2.139	ug/l	99
32) Ethyl-t-butyl ether	4.08	59	27706	2.074	ug/l	98
33) Tert-Amyl methyl ether	5.58	73	22001	1.986	ug/l	99
34) Propionitrile	4.34	54	4521	11.240	ug/l	96
35) Benzene	5.38	78	38241	1.985	ug/l	98
36) 1,2-Dichloroethane	5.40	62	11560	2.007	ug/l	98
37) Trichloroethene	6.18	130	8407	2.004	ug/l	94
38) 1,2-Dichloropropane	6.43	63	10874	1.980	ug/l	98
39) Methacrylonitrile	4.55	41	4558	2.116	ug/l	93
40) Methyl acrylate	4.42	55	6254	2.110	ug/l #	95
41) Tetrahydrofuran	4.66	42	4970	4.589	ug/l	89
42) 1-Chlorobutane	5.06	56	20254	1.947	ug/l	95

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Manual Integrations
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Quant Time: Dec 14 05:45:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U112618DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Nov 27 01:03:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	4605	1.969	ug/l	96
44) Bromodichloromethane	6.76	83	11738	1.901	ug/l	90
45) 4-Methyl-2-Pentanone	7.47	43	37314	9.935	ug/l	98
46) t-1,4-Dichloro-2-butene	10.52	75	4558m	3.318	ug/l	
47) Methyl methacrylate	6.63	69	9516	3.987	ug/l	97
48) Ethyl methacrylate	8.03	69	9051	1.896	ug/l	99
49) Toluene	7.63	92	21237	1.985	ug/l	98
50) t-1,3-Dichloropropene	7.88	75	11416	1.925	ug/l	100
51) cis-1,3-Dichloropropene	7.27	75	14425	1.970	ug/l	98
52) 1,1,2-Trichloroethane	8.07	97	6524	1.987	ug/l	97
53) 1,3-Dichloropropane	8.24	76	11607	1.893	ug/l	99
54) 2-Hexanone	8.37	43	25756	9.533	ug/l	99
55) Dibromochloromethane	8.48	129	7146	2.046	ug/l	99
56) 1,2-Dibromoethane	8.59	107	6217	2.079	ug/l	96
58) Tetrachloroethene	8.22	164	7560	1.968	ug/l	97
59) Chlorobenzene	9.12	112	21228	1.907	ug/l	96
60) 1,1,1,2-Tetrachloroethane	9.21	131	7545	2.000	ug/l	98
61) Pentachloroethane	11.10	117	6187	2.108	ug/l	95
62) Hexachloroethane	12.14	117	6063	2.204	ug/l	99
63) Ethyl Benzene	9.25	91	37784	1.840	ug/l	98
64) m/p-Xylenes	9.37	106	28021	3.770	ug/l	99
65) o-Xylene	9.78	106	13356	1.862	ug/l	94
66) Styrene	9.79	104	23437	1.905	ug/l	99
67) Bromoform	9.96	173	3936	2.011	ug/l	99
69) Isopropylbenzene	10.16	105	36918	1.922	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	9285	2.109	ug/l	96
71) 1,2,3-Trichloropropane	10.49	75	6013	1.959	ug/l #	98
72) Bromobenzene	10.45	156	8360	1.961	ug/l	95
73) n-propylbenzene	10.58	120	9654	1.938	ug/l	99
74) 2-Chlorotoluene	10.66	126	8695	1.992	ug/l	94
75) 1,3,5-Trimethylbenzene	10.77	105	31562	1.953	ug/l	97
76) 4-Chlorotoluene	10.77	126	8737	1.974	ug/l	95
77) tert-Butylbenzene	11.10	119	29215	1.920	ug/l	98
78) 1,2,4-Trimethylbenzene	11.15	105	31362	1.893	ug/l	99
79) sec-Butylbenzene	11.32	105	40198	1.895	ug/l	100
80) Nitrobenzene	12.86	77	1930	9.729	ug/l #	87
81) p-Isopropyltoluene	11.48	119	32385	1.921	ug/l	99
82) 1,3-Dichlorobenzene	11.42	146	17135	2.007	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	16523	1.944	ug/l	97
84) n-Butylbenzene	11.89	91	32370	1.829	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	16632	2.046	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.66	75	1380	1.948	ug/l	95
87) 1,2,4-Trichlorobenzene	13.50	180	10295	1.802	ug/l	98
88) Hexachlorobutadiene	13.69	225	6632	2.145	ug/l	98
89) Naphthalene	13.74	128	18779	1.663	ug/l	99
90) 1,2,3-Trichlorobenzene	13.99	180	9646	1.790	ug/l	98

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

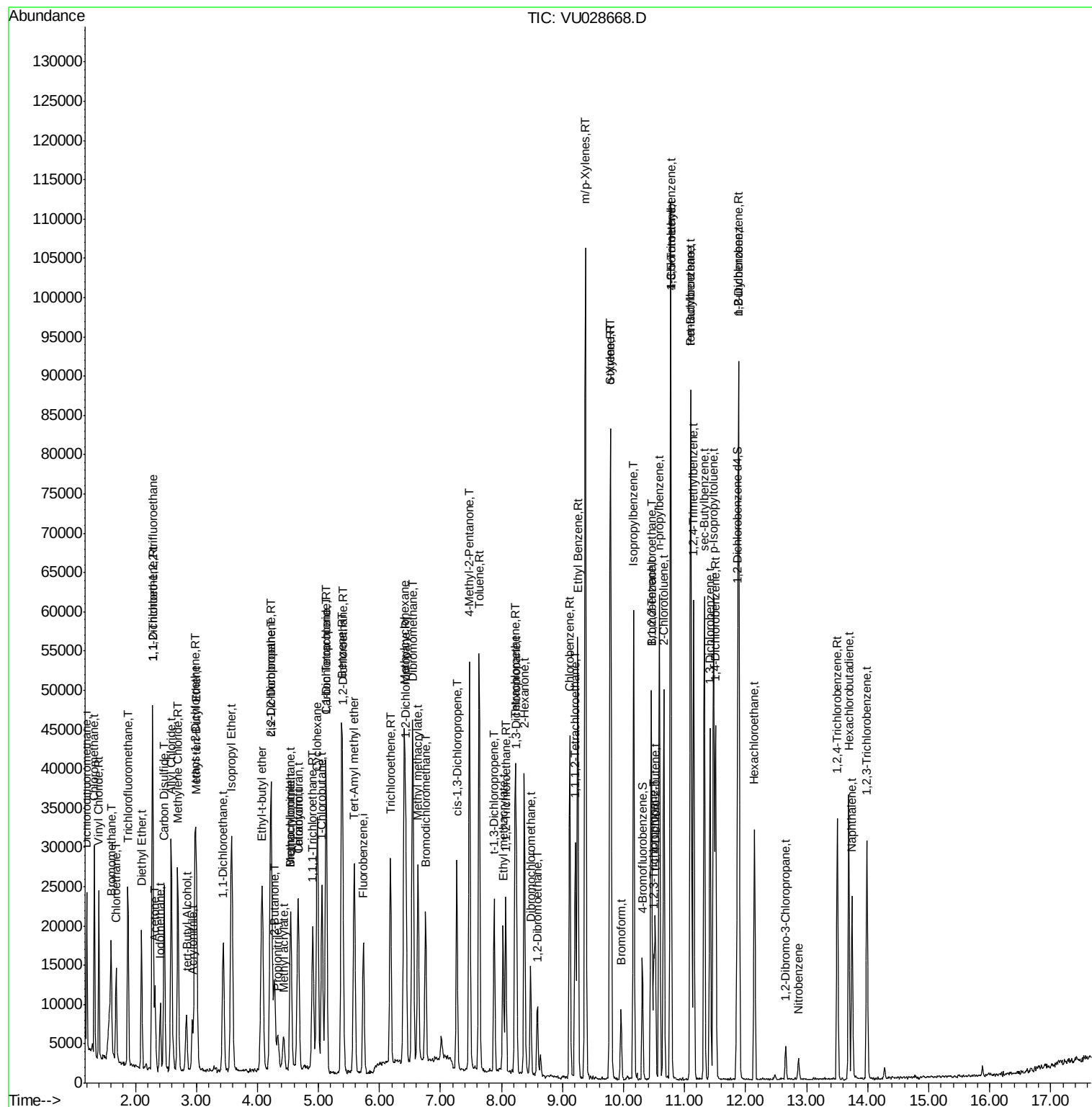
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121418\
Data File : VU028668.D
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Operator : MD/SY
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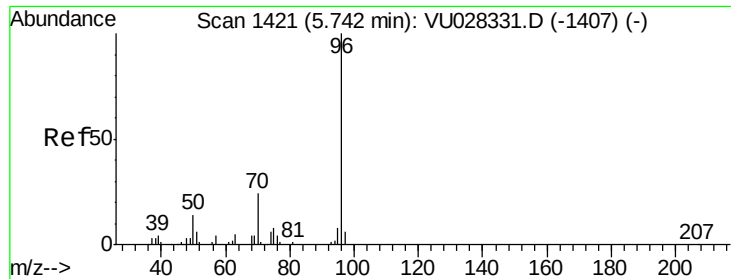
Instrument :
MSVOA_U
ClientSampled :
VU1214WBS01

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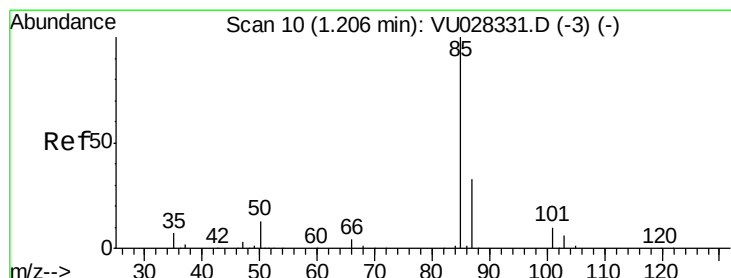
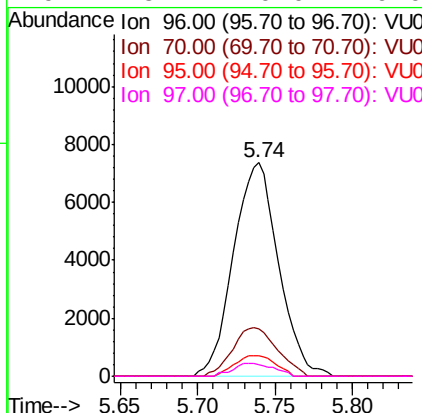
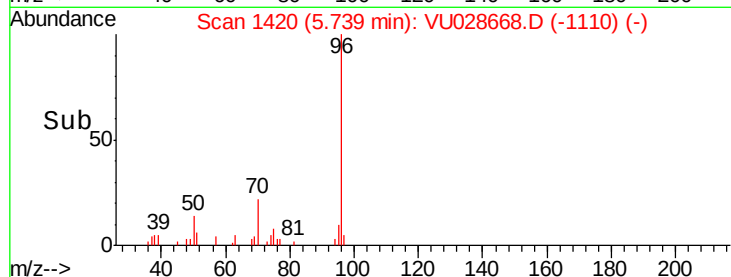
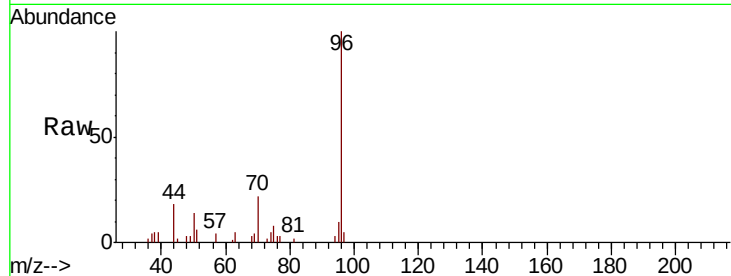
#1
 Fluorobenzene
 Concen: 1.000 ug/l
 RT: 5.74 min Scan# 1420
 Delta R.T. -0.00 min
 Lab File: VU028668.D
 Acq: 13 Dec 2018 10:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1214WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
70	22.5	17.8	26.8
95	8.7	7.6	11.4
97	5.4	0.0	0.0#

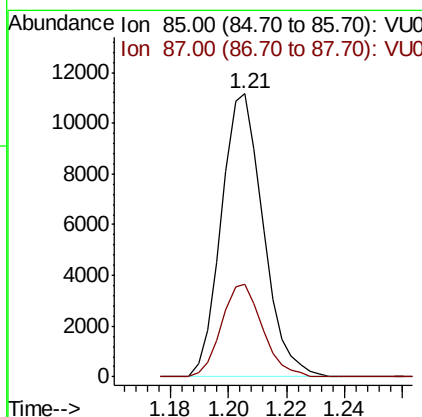
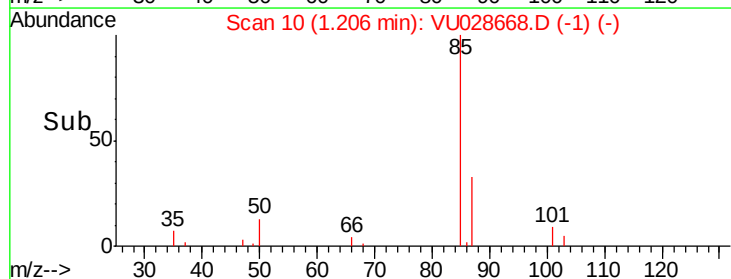
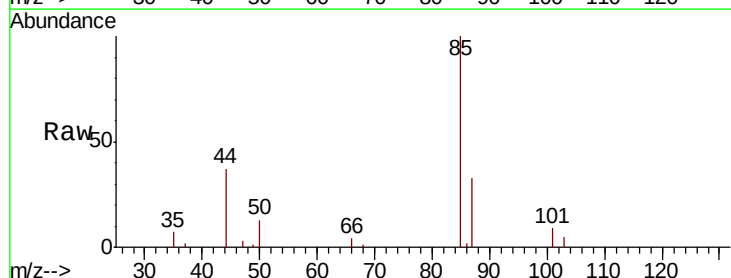
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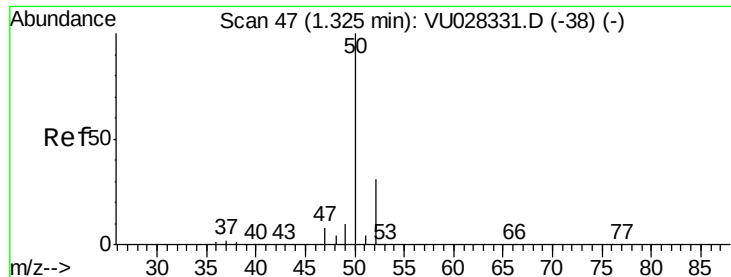
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#2
 Dichlorodifluoromethane
 Concen: 2.081 ug/l
 RT: 1.21 min Scan# 10
 Delta R.T. 0.00 min
 Lab File: VU028668.D
 Acq: 13 Dec 2018 10:19

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.9	16.3	48.8





#3

Chloromethane

Concen: 1.975 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

Instrument :

MSVOA_U

ClientSampleId :

VU1214WBS01

Tot Ion: 50 Resp: 18025

Ion Ratio Lower Upper

50 100

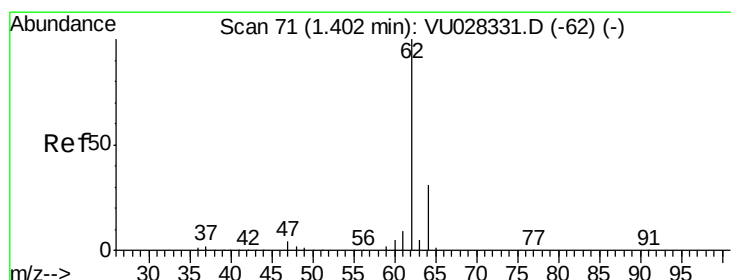
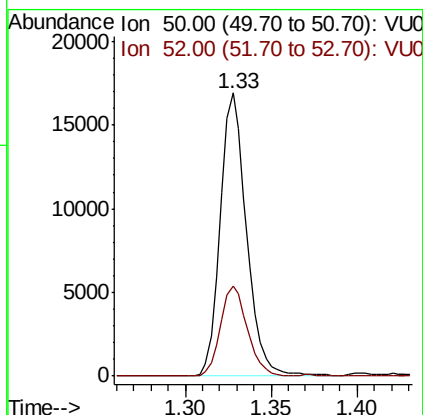
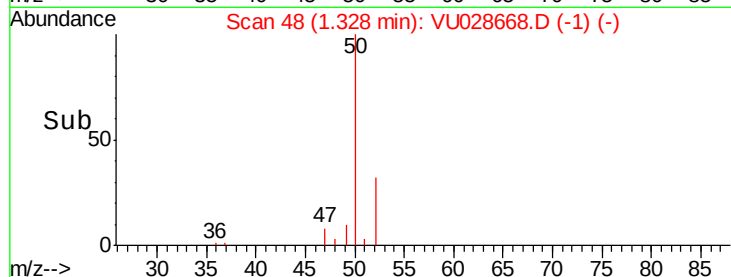
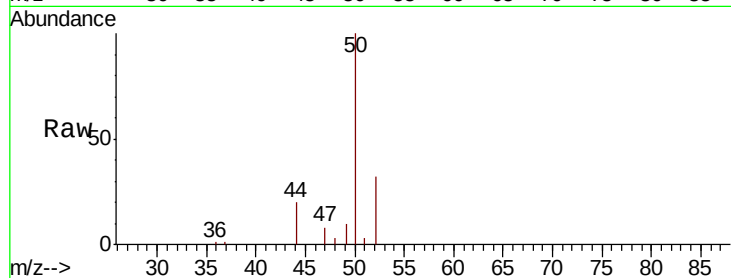
52 31.9 25.1 37.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 2.089 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028668.D

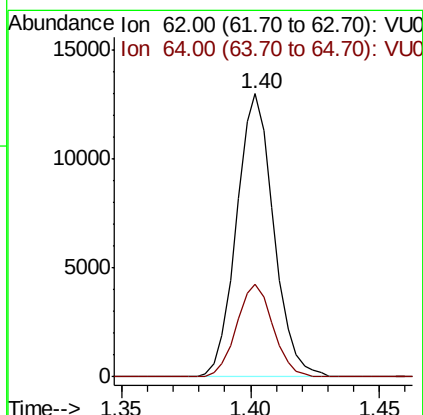
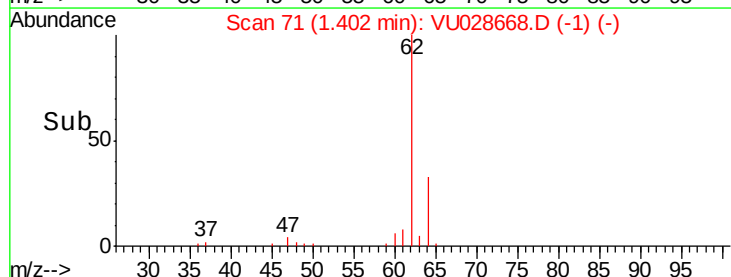
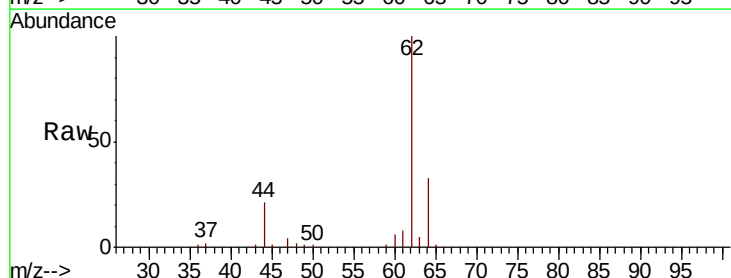
Acq: 13 Dec 2018 10:19

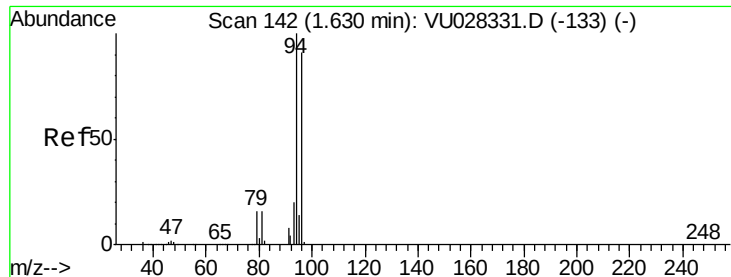
Tgt Ion: 62 Resp: 13050

Ion Ratio Lower Upper

62 100

64 32.6 24.7 37.1





#5

Bromomethane

Concen: 2.146 ug/l

RT: 1.61 min Scan# 135

Delta R.T. -0.02 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

Instrument :

MSVOA_U

ClientSampleId :

VU1214WBS01

Tot Ion: 94 Resp: 5283

Ion Ratio Lower Upper

94 100

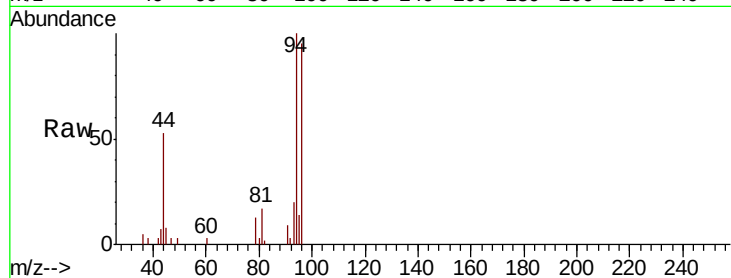
96 94.5 73.1 109.7

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.61

5000

4000

3000

2000

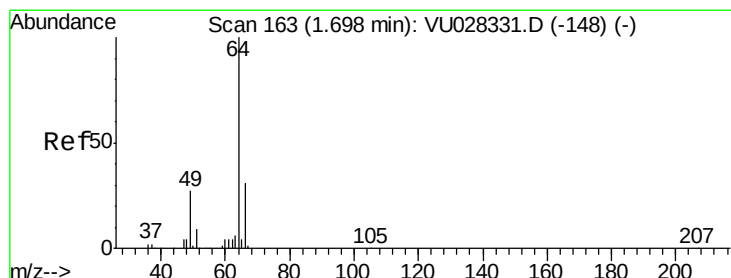
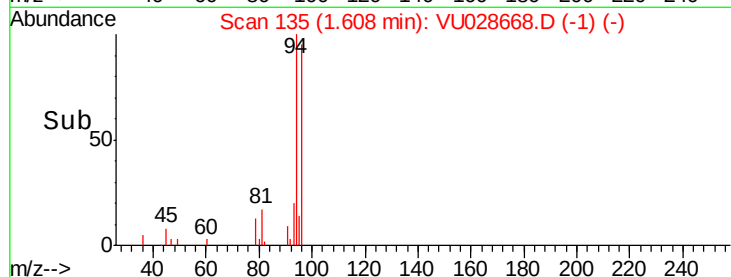
1000

0

1.60

1.65

Time-->



#6

Chloroethane

Concen: 1.996 ug/l

RT: 1.68 min Scan# 159

Delta R.T. -0.01 min

Lab File: VU028668.D

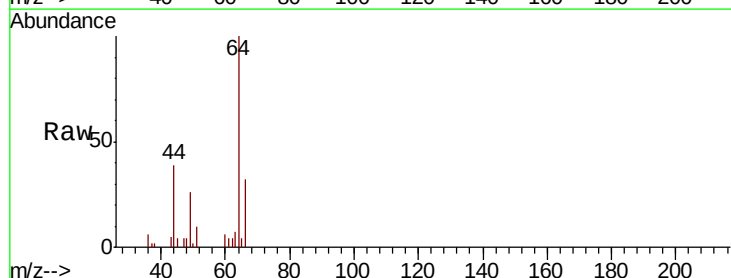
Acq: 13 Dec 2018 10:19

Tgt Ion: 64 Resp: 7281

Ion Ratio Lower Upper

64 100

66 31.9 25.1 37.7



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0

1.68

6000

5000

4000

3000

2000

1000

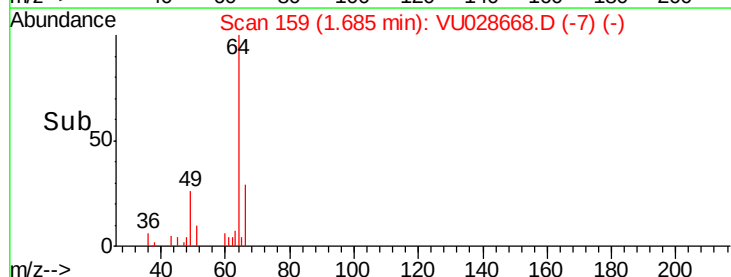
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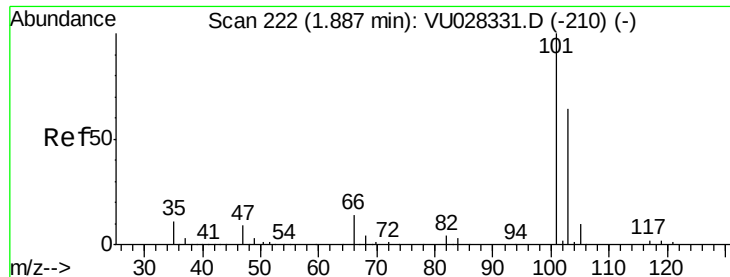
1.65

1.70

1.75

Time-->





#7

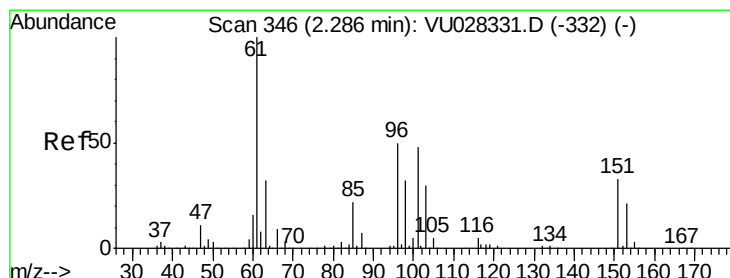
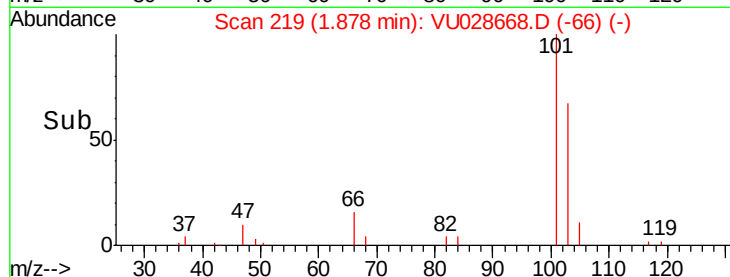
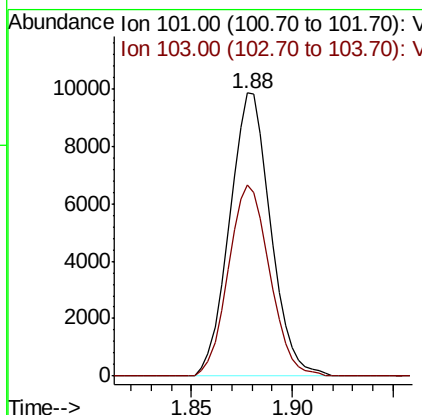
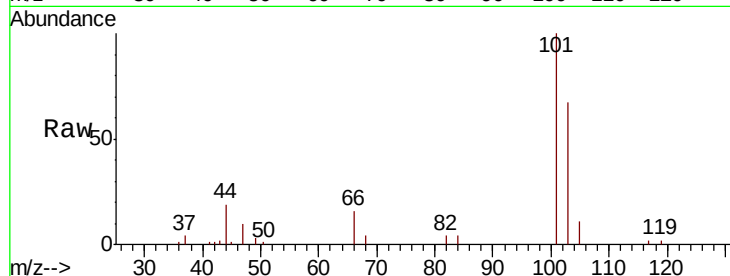
Trichlorofluoromethane
 Concen: 2.057 ug/l
 RT: 1.88 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VU028668.D
 Acq: 13 Dec 2018 10:19

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		14038		
103	67.5	51.4	77.0		

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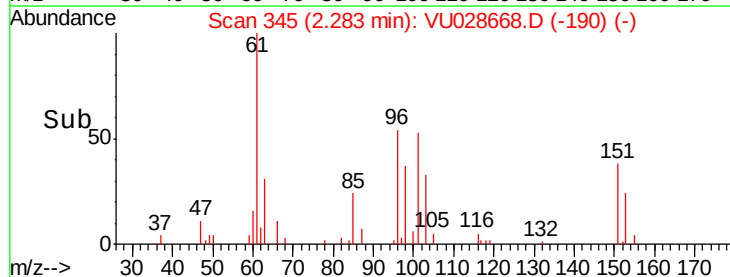
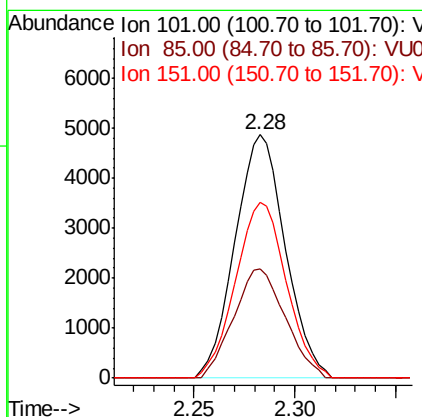
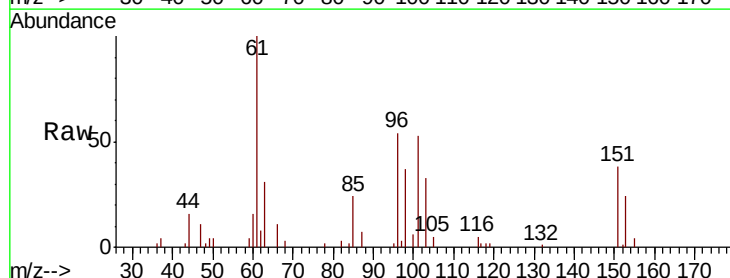
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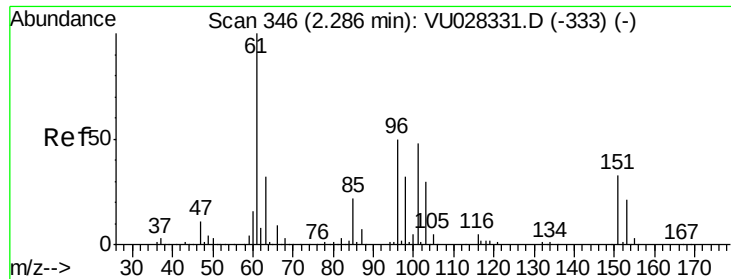


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.159 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. -0.00 min
 Lab File: VU028668.D
 Acq: 13 Dec 2018 10:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
101	100		8473		
85	46.2	36.7	55.1		
151	73.2	55.8	83.6		





#9

1,1-Dichloroethene

Concen: 2.105 ug/l

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

Instrument :

MSVOA_U

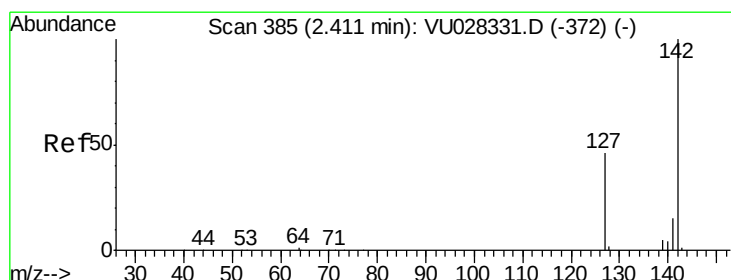
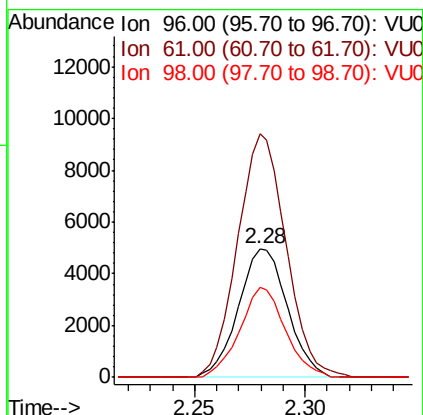
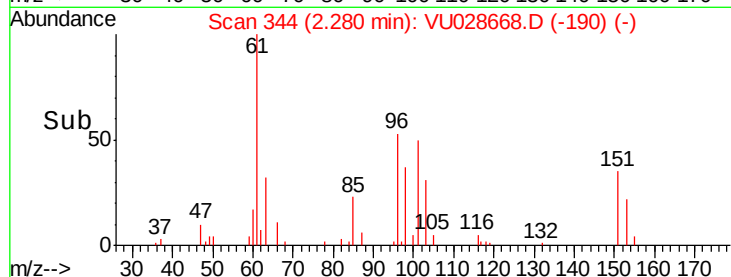
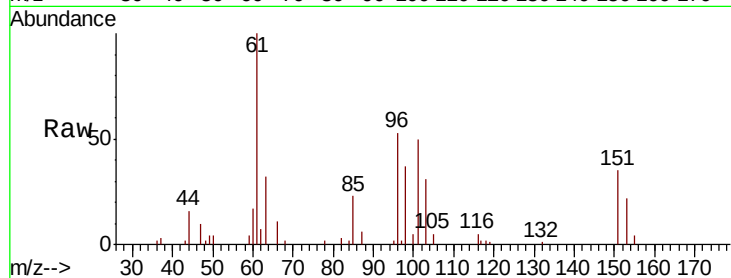
ClientSampleId :

VU1214WBS01

Tot Ion:	96	Resp:	7641
Ion Ratio	Lower	Upper	
96	100		
61	188.9	0.0	597.6
98	69.5	0.0	127.6

Manual Integrations
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#10

Iodomethane

Concen: 3.155 ug/l

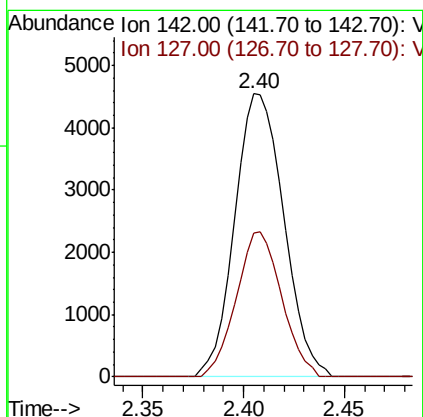
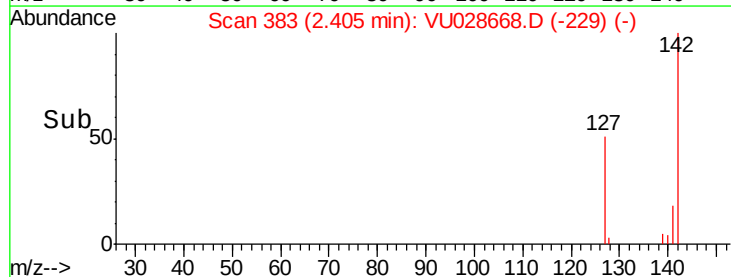
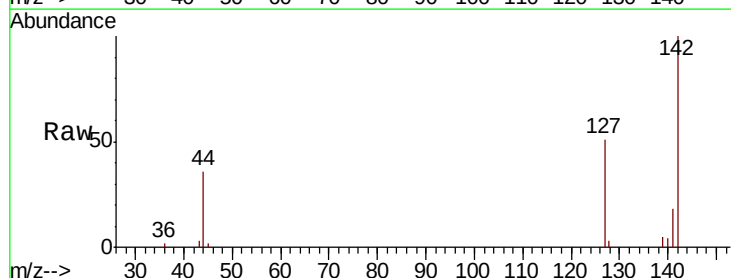
RT: 2.40 min Scan# 383

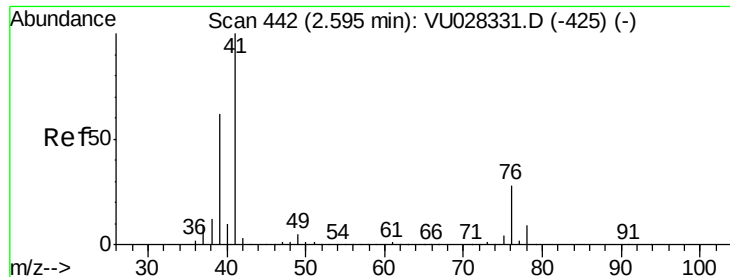
Delta R.T. -0.01 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

Tgt Ion:	142	Resp:	7745
Ion Ratio	Lower	Upper	
142	100		
127	47.5	36.4	54.6





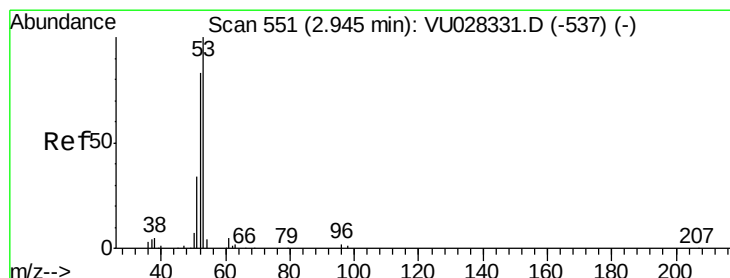
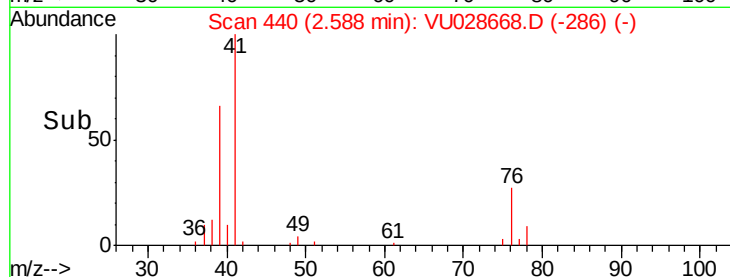
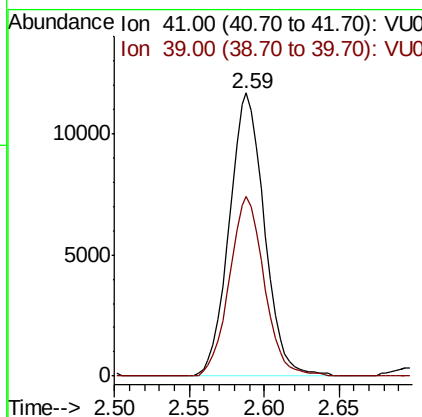
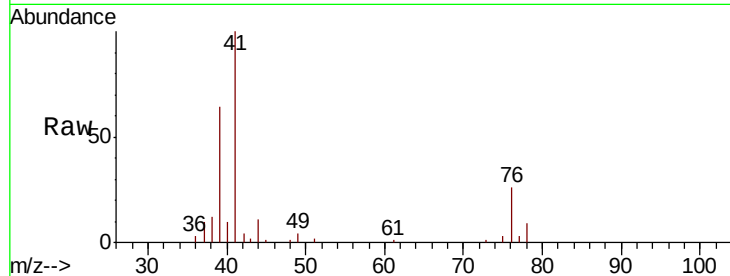
#11
 Allvl Chloride
 Concen: 2.082 ug/l
 RT: 2.59 min Scan# 440
 Delta R.T. -0.01 min
 Lab File: VU028668.D
 Acq: 13 Dec 2018 10:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1214WBS01

Tot Ion: 41 Resp: 19076
 Ion Ratio Lower Upper
 41 100
 39 63.1 50.8 76.2

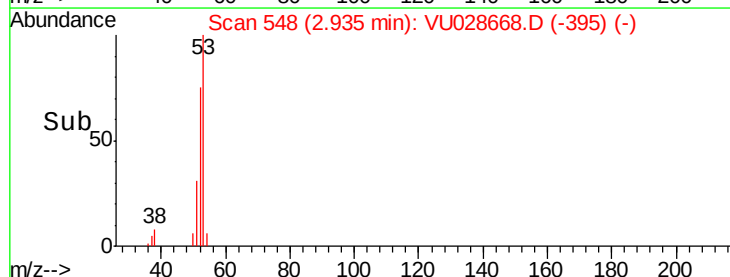
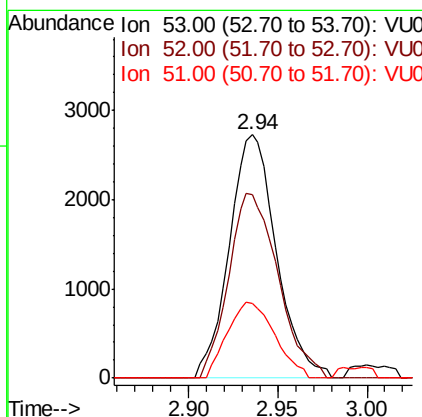
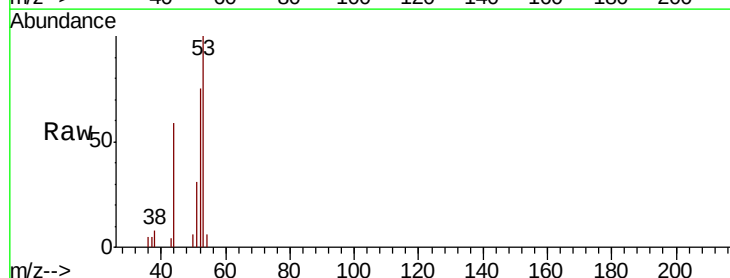
Manual Integrations
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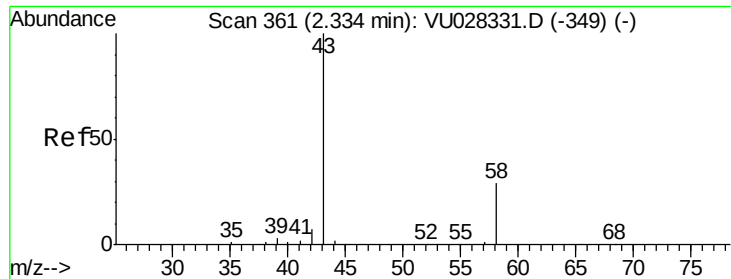
MMDadoda
 12/14/2018 9:32:18 AM



#12
 Acrylonitrile
 Concen: 4.324 ug/l
 RT: 2.94 min Scan# 548
 Delta R.T. -0.01 min
 Lab File: VU028668.D
 Acq: 13 Dec 2018 10:19

Tgt Ion: 53 Resp: 5000
 Ion Ratio Lower Upper
 53 100
 52 79.8 69.3 103.9
 51 31.3 27.8 41.8





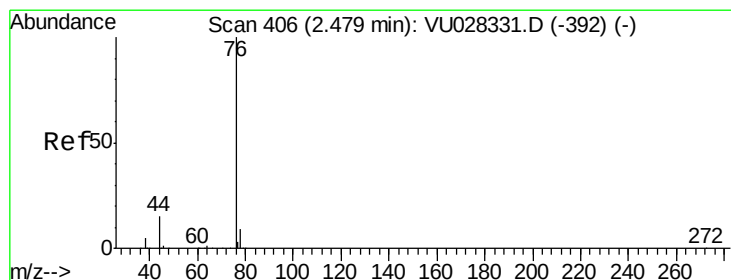
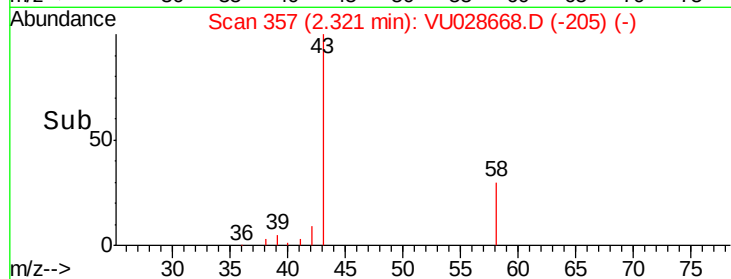
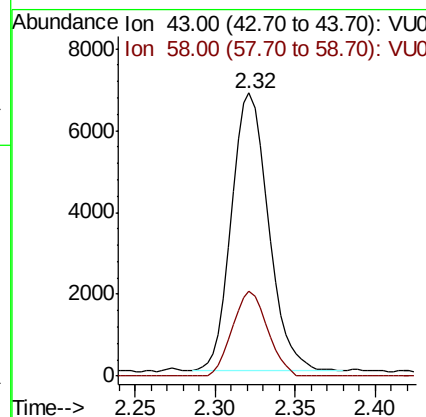
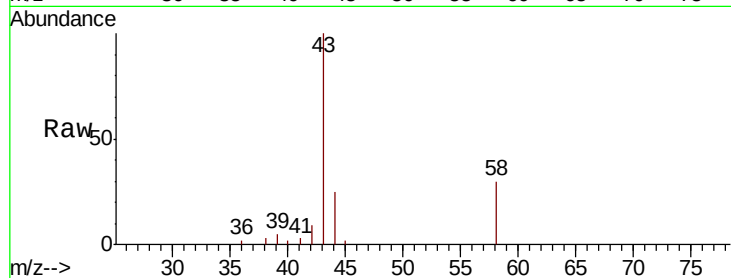
#13
Acetone
Concen: 9.953 ug/l
RT: 2.32 min Scan# 357
Delta R.T. -0.01 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Instrument :
MSVOA_U
ClientSampleId :
VU1214WBS01

Tot Ion: 43 Resp: 10664
Ion Ratio Lower Upper
43 100
58 30.4 23.1 34.7

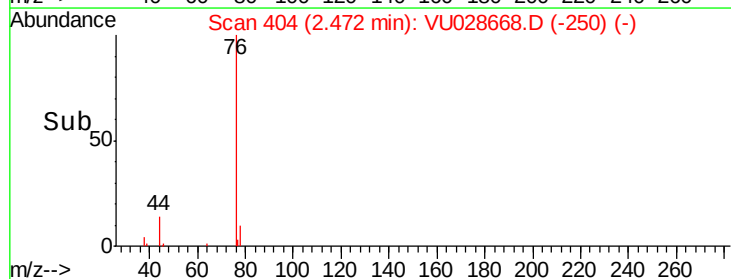
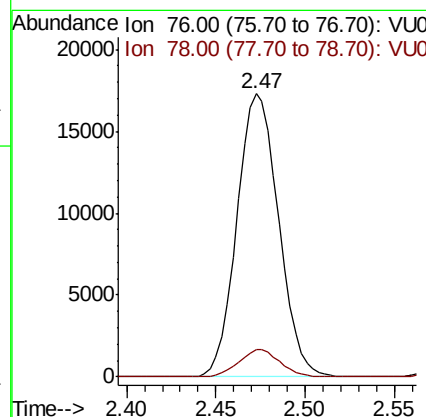
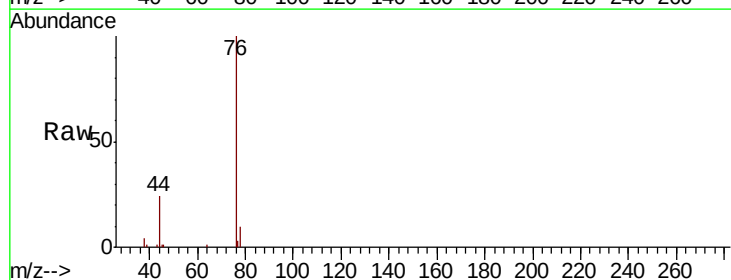
Manual Integrations
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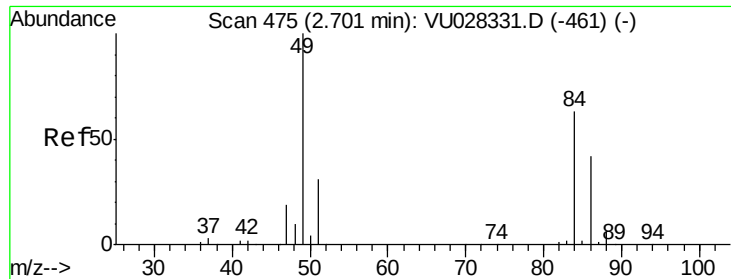
MMDadoda
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#14
Carbon Disulfide
Concen: 2.035 ug/l
RT: 2.47 min Scan# 404
Delta R.T. -0.01 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Tgt Ion: 76 Resp: 28065
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.2





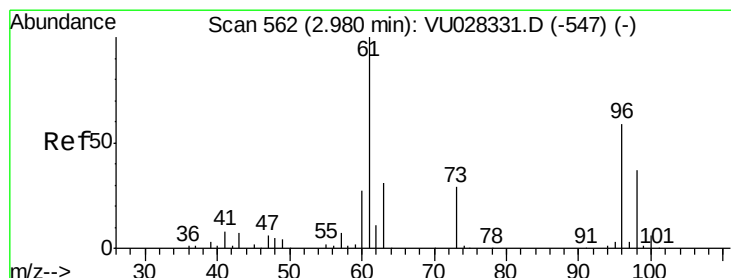
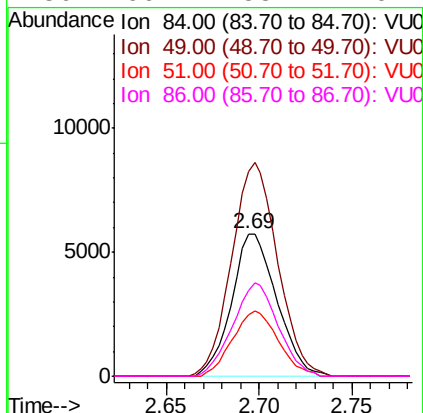
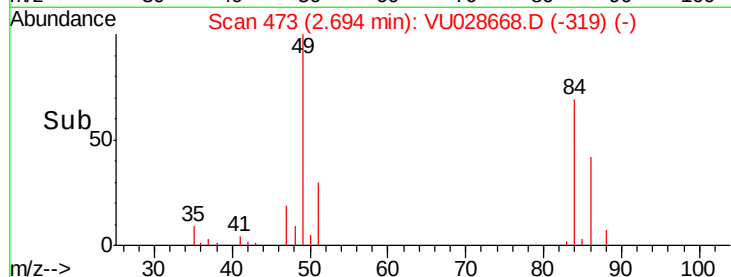
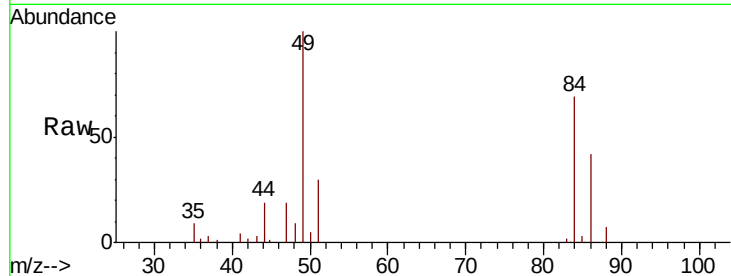
#15
Methylene Chloride
Concen: 2.194 ug/l
RT: 2.69 min Scan# 473
Delta R.T. -0.01 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Instrument :
MSVOA_U
ClientSampleId :
VU1214WBS01

Tot Ion:	84	Resp:	9709
Ion	Ratio	Lower	Upper
84	100		
49	144.0	127.7	191.5
51	43.5	0.0	98.2
86	60.2	53.1	79.7

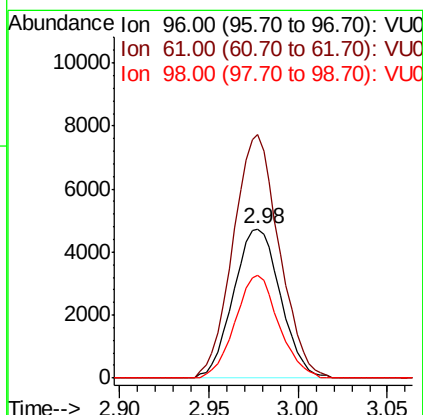
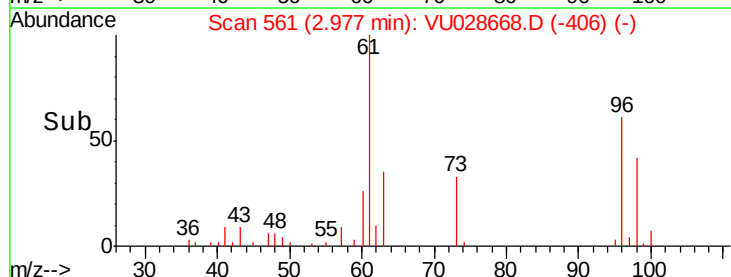
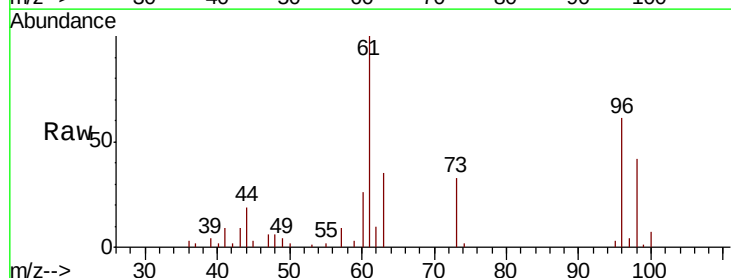
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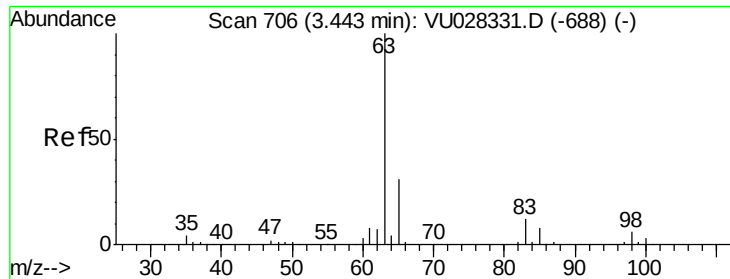
MMDadoda
12/14/2018 9:32:18 AM



#16
trans-1,2-Dichloroethene
Concen: 2.146 ug/l
RT: 2.98 min Scan# 561
Delta R.T. -0.00 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Tgt Ion:	96	Resp:	8717
Ion	Ratio	Lower	Upper
96	100		
61	163.2	136.4	204.6
98	69.3	49.8	74.8





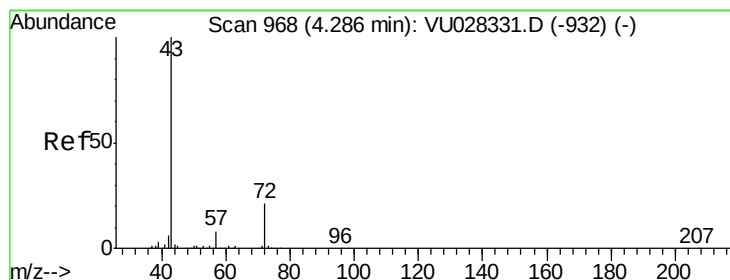
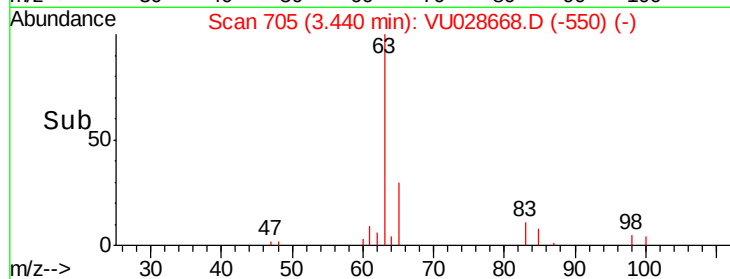
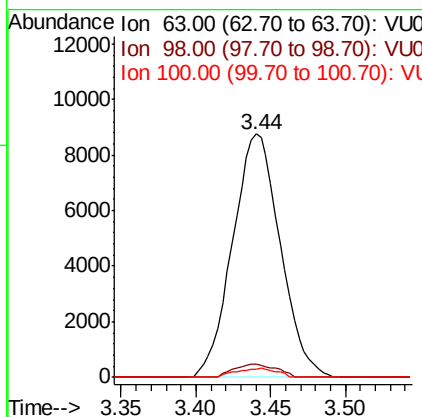
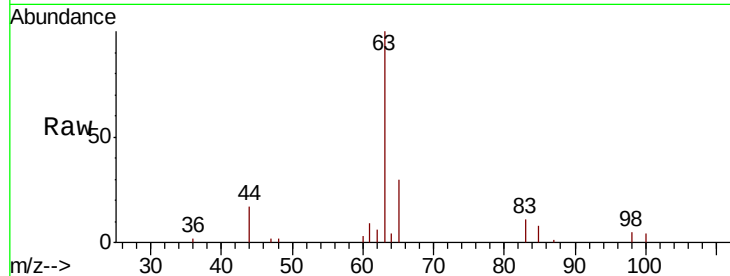
#17
 1,1-Dichloroethane
 Concen: 2.142 ug/l
 RT: 3.44 min Scan# 705
 Delta R.T. -0.00 min
 Lab File: VU028668.D
 Acq: 13 Dec 2018 10:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1214WBS01

Tot Ion:	63	Resp:	19399
Ion	Ratio	Lower	Upper
63	100		
98	5.2	3.0	9.0
100	3.6	1.8	5.3

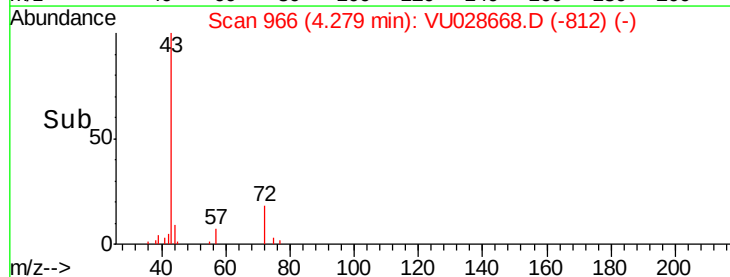
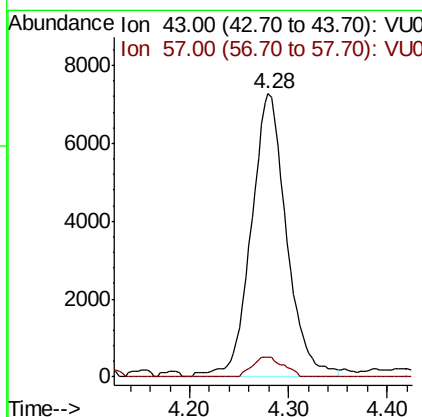
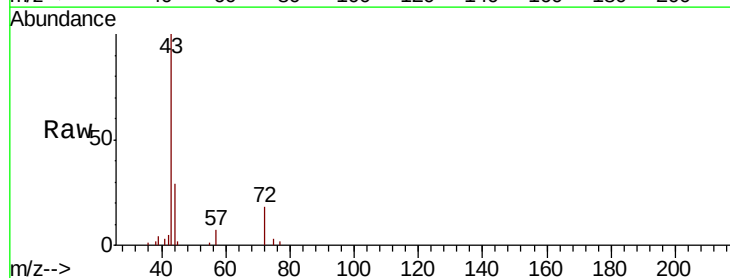
Manual Integrations
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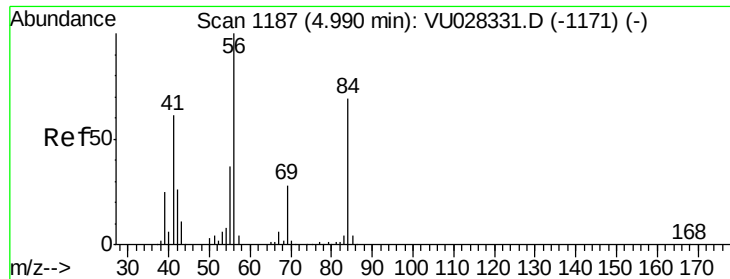
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#18
 2-Butanone
 Concen: 11.230 ug/l
 RT: 4.28 min Scan# 966
 Delta R.T. -0.01 min
 Lab File: VU028668.D
 Acq: 13 Dec 2018 10:19

Tgt Ion:	43	Resp:	17980
Ion	Ratio	Lower	Upper
43	100		
57	7.2	0.0	15.0





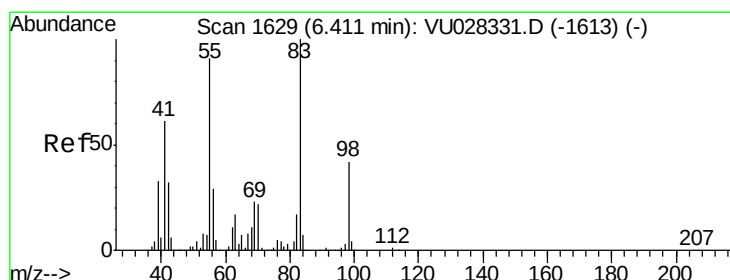
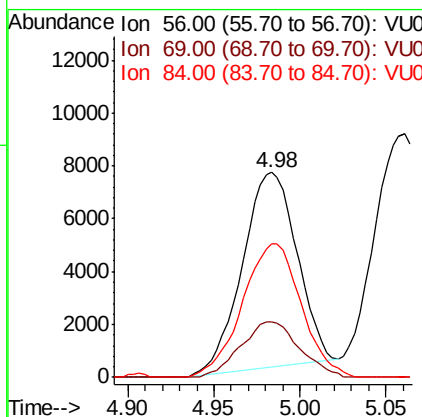
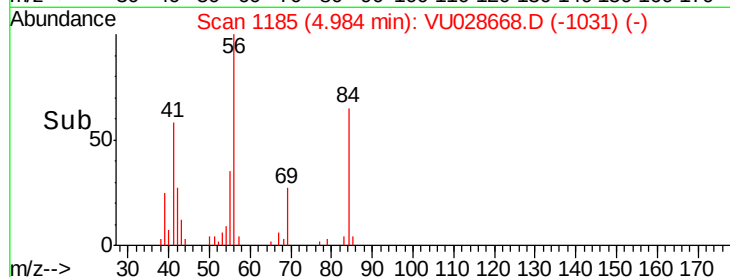
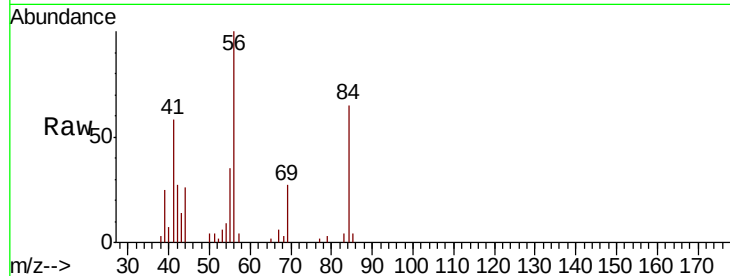
#19
Cyclohexane
Concen: 2.074 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Instrument :
MSVOA_U
ClientSampleId :
VU1214WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.6	25.0	37.6
84	73.8	62.6	94.0

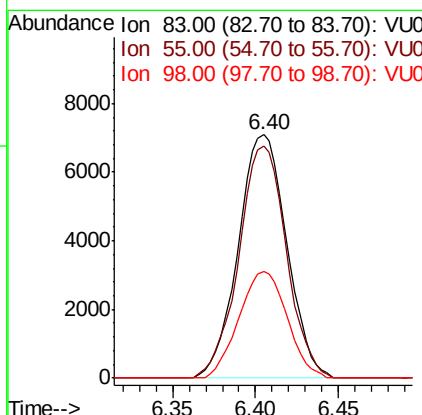
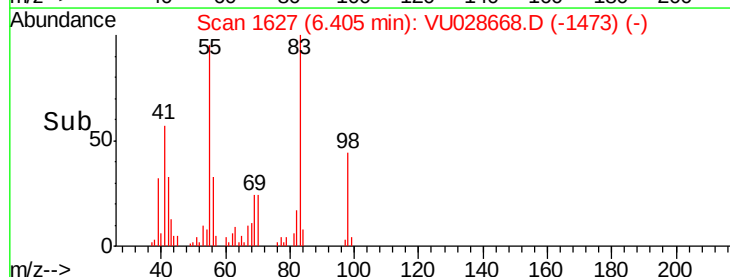
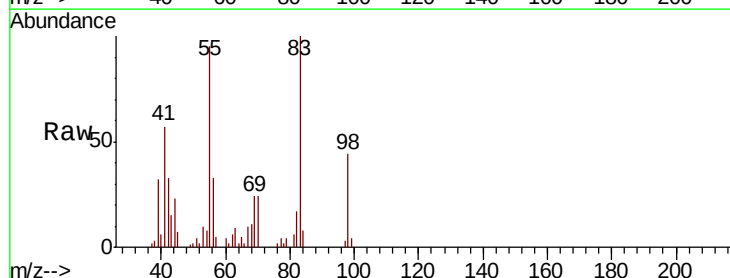
Manual Integrations
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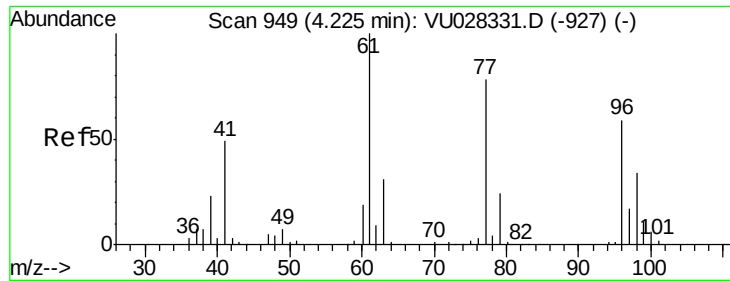
MMDadoda
12/14/2018 9:32:18 AM



#20
Methylcyclohexane
Concen: 1.880 ug/l
RT: 6.40 min Scan# 1627
Delta R.T. -0.01 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Tgt Ion	Ratio	Lower	Upper
83	100		
55	93.6	72.6	108.8
98	43.5	33.8	50.8





#21

2,2-Dichloropropane

Concen: 2.112 ug/l

RT: 4.22 min Scan# 948

Delta R.T. -0.00 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

Instrument :

MSVOA_U

ClientSampleId :

VU1214WBS01

Tot Ion: 77 Resp: 15348

Ion Ratio Lower Upper

77 100

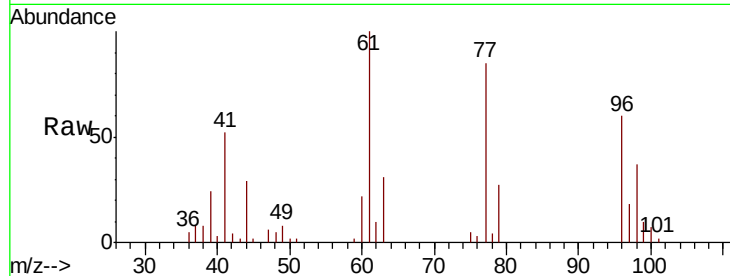
97 20.5 17.4 26.2

Manual Integrations

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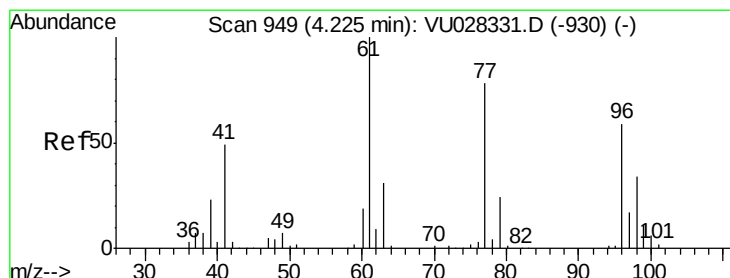
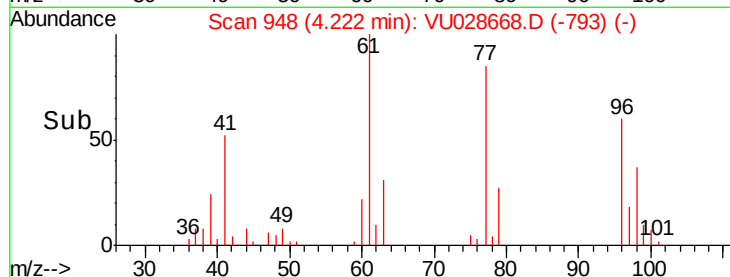
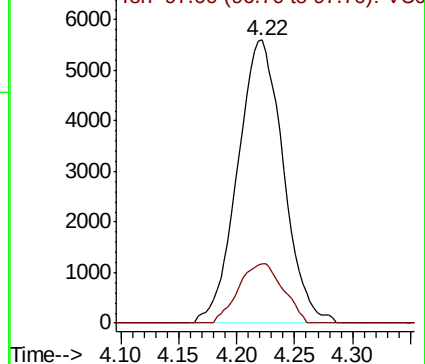
MMDadoda

12/14/2018 9:32:18 AM



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#22

cis-1,2-Dichloroethene

Concen: 2.026 ug/l

RT: 4.22 min Scan# 948

Delta R.T. -0.00 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

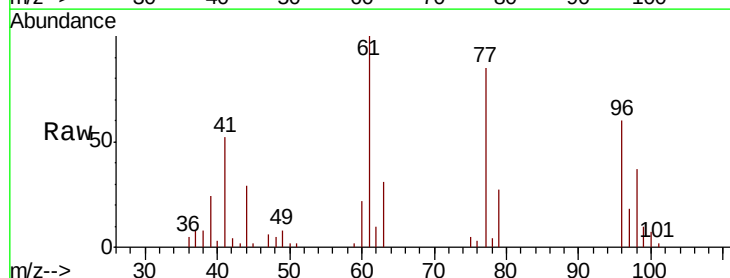
Tgt Ion: 96 Resp: 9631

Ion Ratio Lower Upper

96 100

61 175.2 0.0 423.0

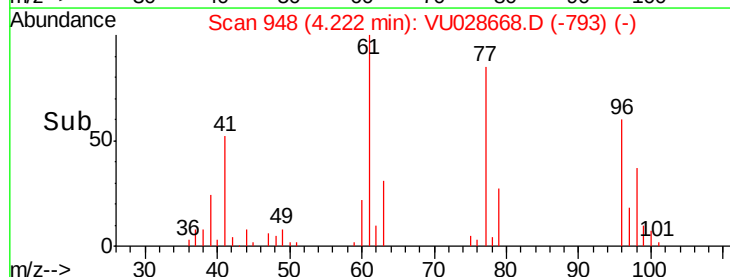
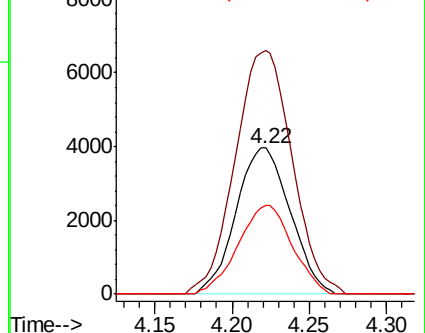
98 60.8 30.3 91.0

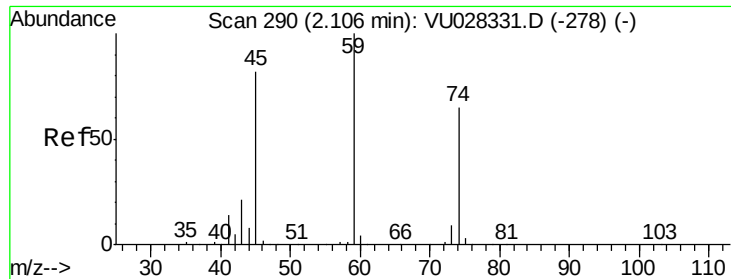


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





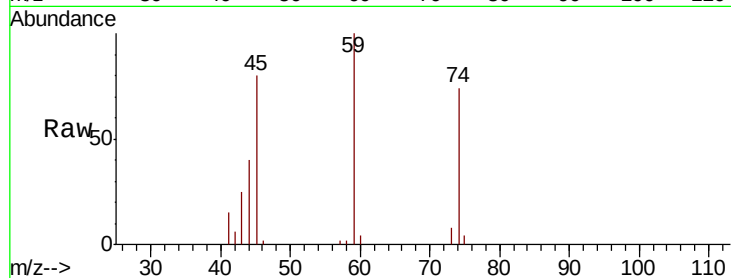
#23
Diethyl Ether
Concen: 2.039 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Instrument :
MSVOA_U
ClientSampleId :
VU1214WBS01

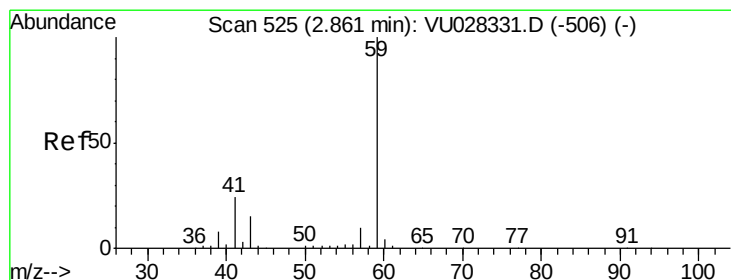
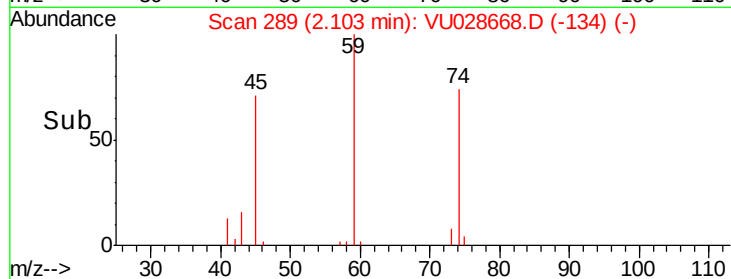
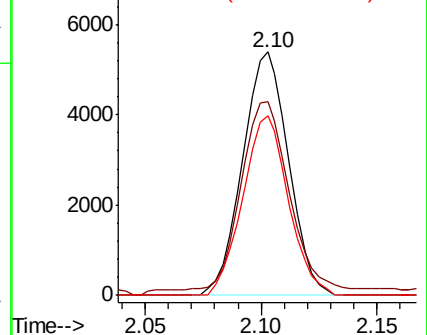
Tot Ion	Ratio	Lower	Upper
59	100		
45	79.4	66.4	99.6
74	73.1	52.2	78.4

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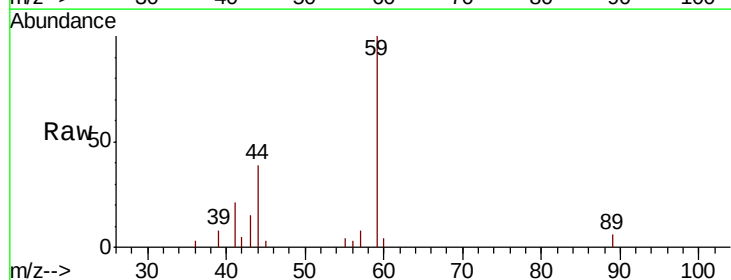


Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

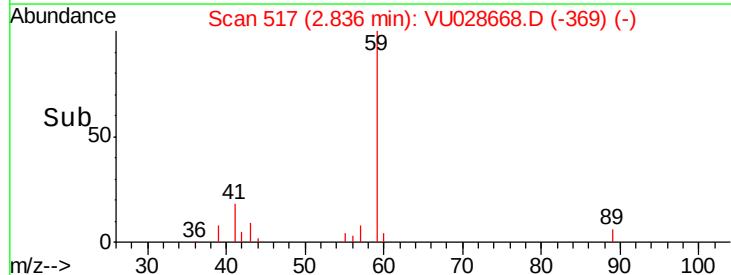
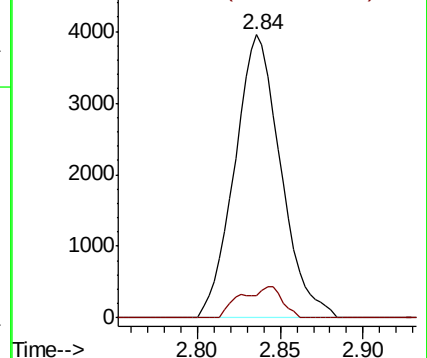


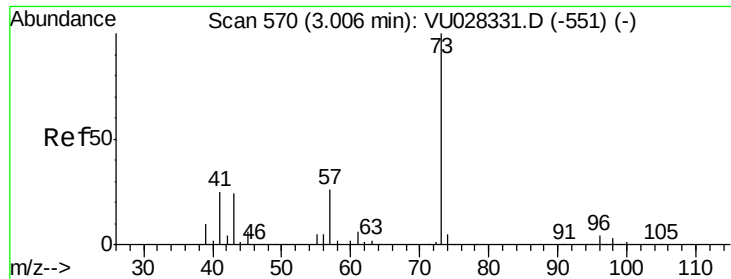
#24
tert-Butyl Alcohol
Concen: 20.882 ug/l
RT: 2.84 min Scan# 517
Delta R.T. -0.03 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Tgt Ion	Ratio	Lower	Upper
59	100		
57	6.0	8.2	12.4#



Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





#25

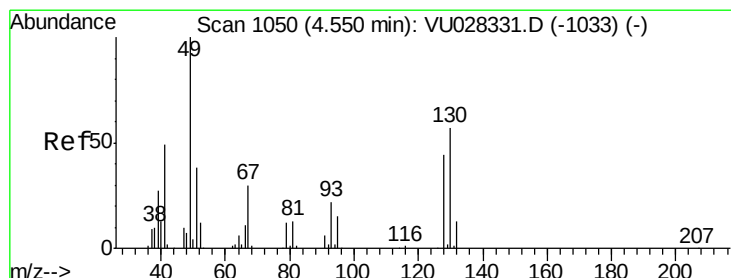
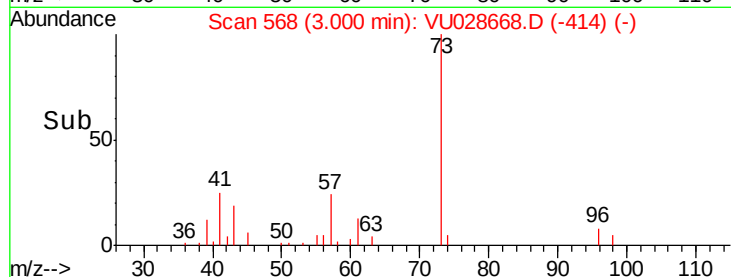
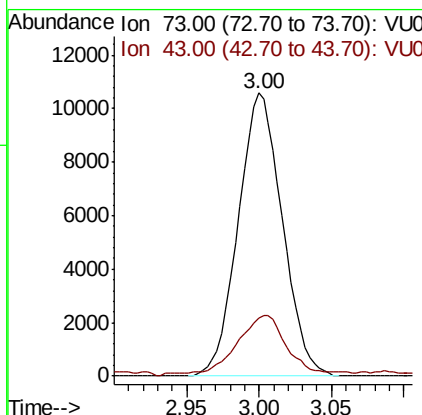
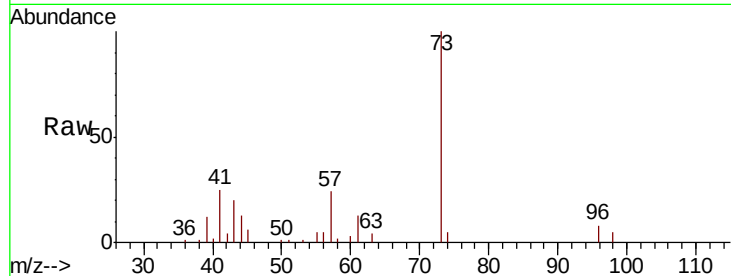
Methyl tert-Butyl Ether
 Concen: 2.071 ug/l
 RT: 3.00 min Scan# 568
 Delta R.T. -0.01 min
 Lab File: VU028668.D
 Acq: 13 Dec 2018 10:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1214WBS01

Tot Ion	73	Resp	22328
Ion Ratio	Lower	Upper	
73	100		
43	23.2	18.5	27.7

Manual Integrations
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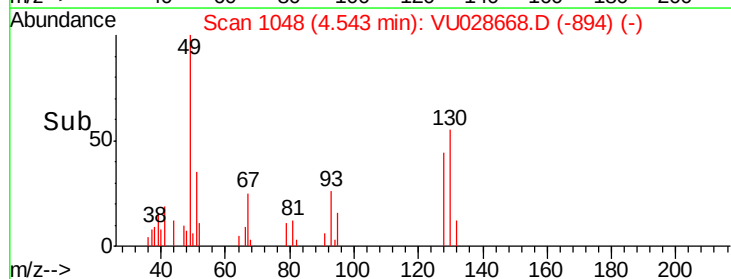
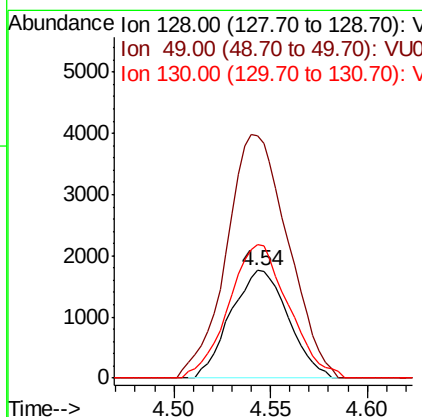
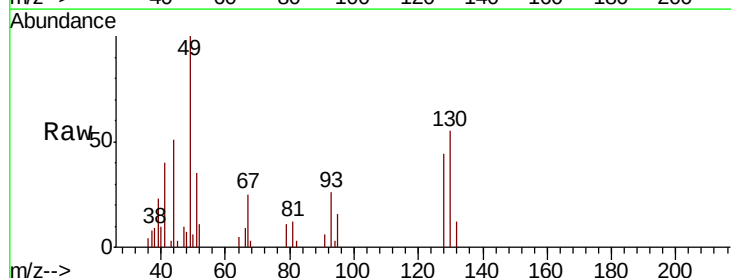
MMDadoda
 12/14/2018 9:32:18 AM

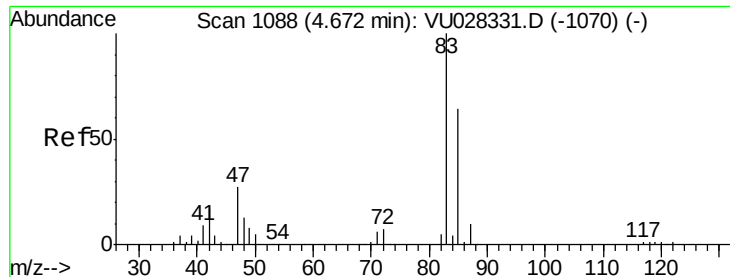


#26

Bromochloromethane
 Concen: 2.011 ug/l
 RT: 4.54 min Scan# 1048
 Delta R.T. -0.01 min
 Lab File: VU028668.D
 Acq: 13 Dec 2018 10:19

Tgt Ion	128	Resp	3644
Ion Ratio	Lower	Upper	
128	100		
49	240.7	0.0	457.6
130	128.8	101.4	152.2





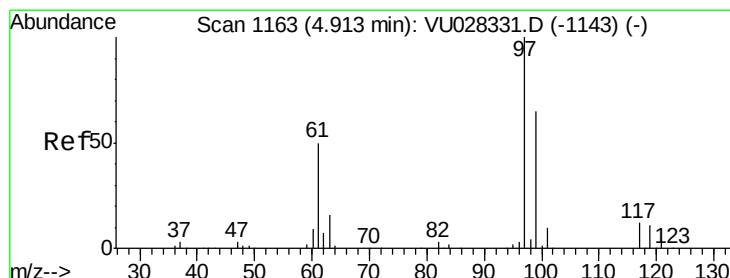
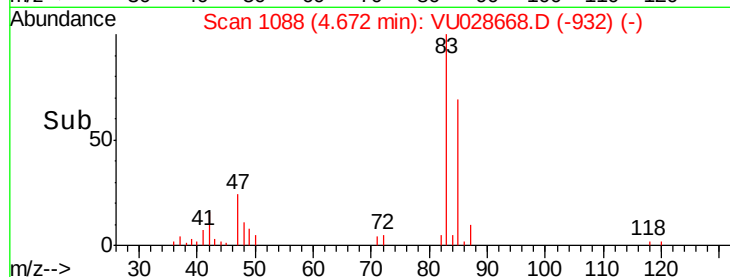
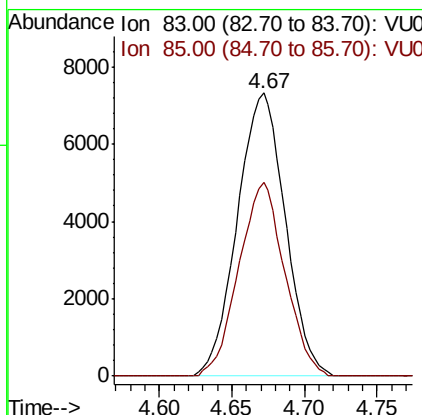
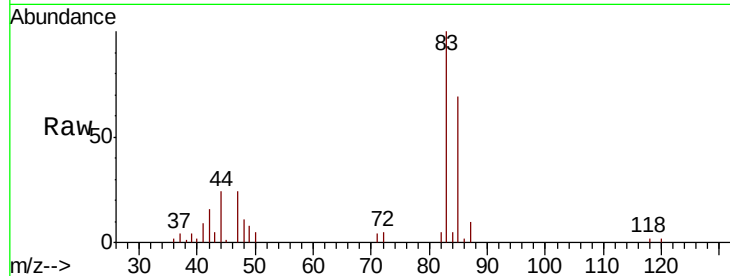
#27
Chloroform
Concen: 1.926 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Instrument :
MSVOA_U
ClientSampleId :
VU1214WBS01

Tot Ion	83	Resp	16822
Ion Ratio	100	Lower	Upper
85	68.5	0.0	128.0

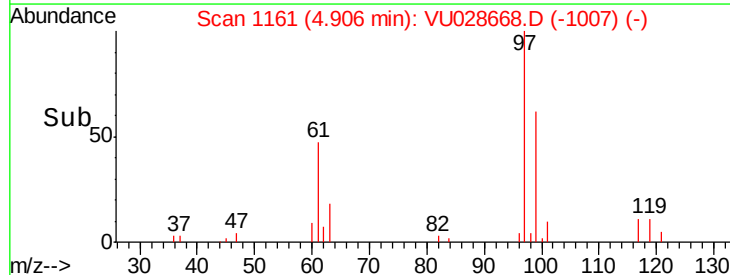
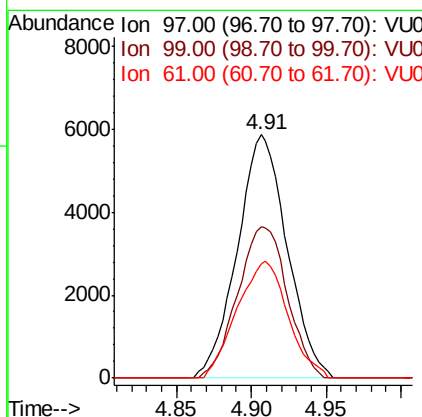
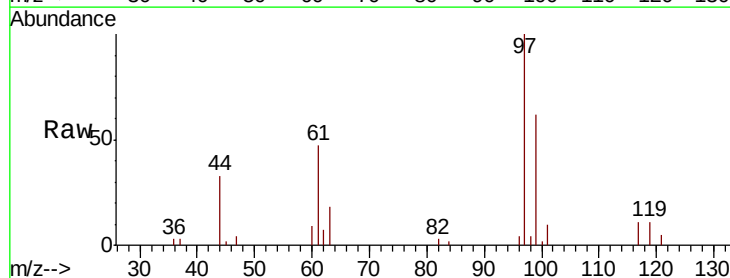
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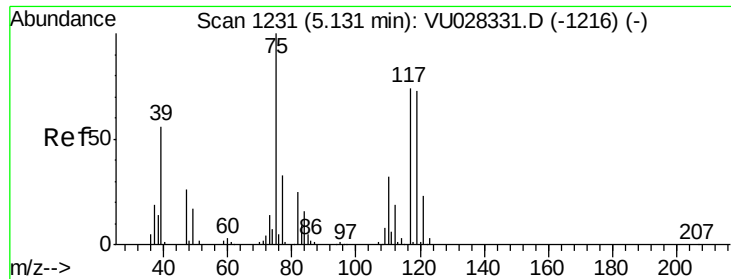
MMDadoda
12/14/2018 9:32:18 AM



#28
1,1,1-Trichloroethane
Concen: 1.989 ug/l
RT: 4.91 min Scan# 1161
Delta R.T. -0.01 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Tgt Ion	97	Resp	13565
Ion Ratio	100	Lower	Upper
99	62.2	32.2	96.6
61	49.1	24.9	74.7





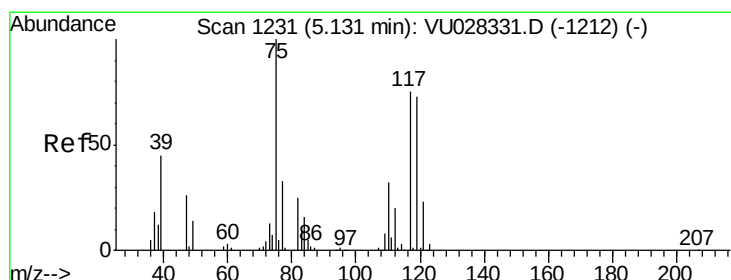
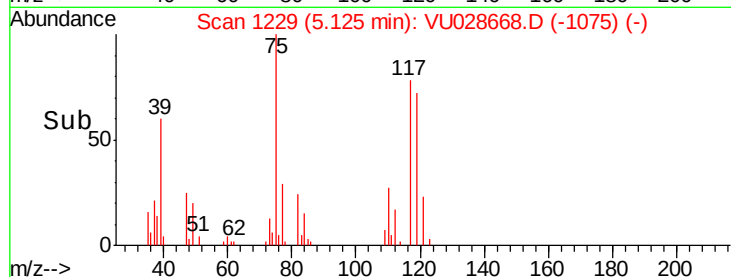
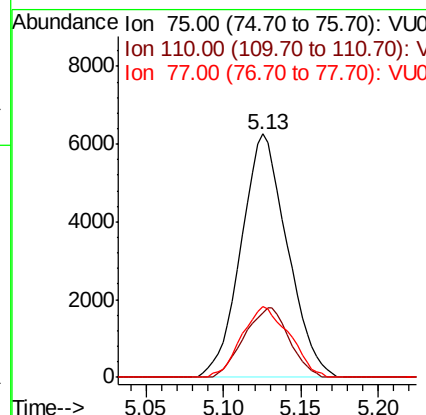
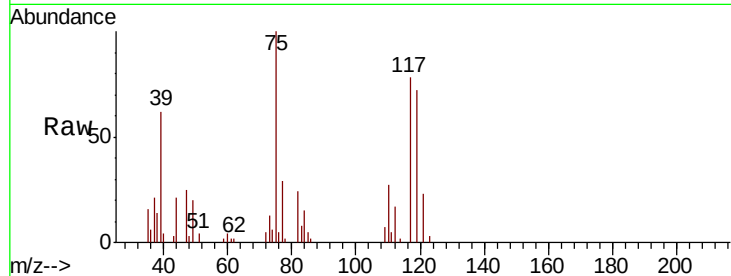
#29
1,1-Dichloropropene
Concen: 1.988 ug/l
RT: 5.13 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Instrument :
MSVOA_U
ClientSampleId :
VU1214WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
110	27.9	15.8	47.3
77	30.1	25.4	38.0

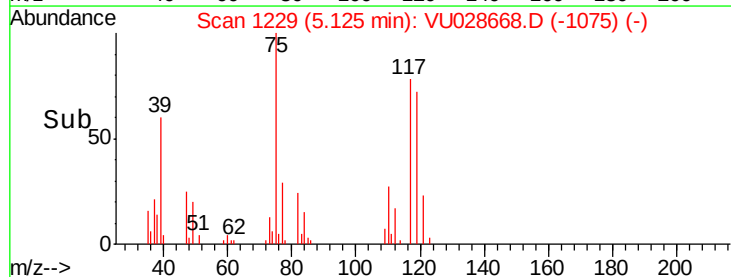
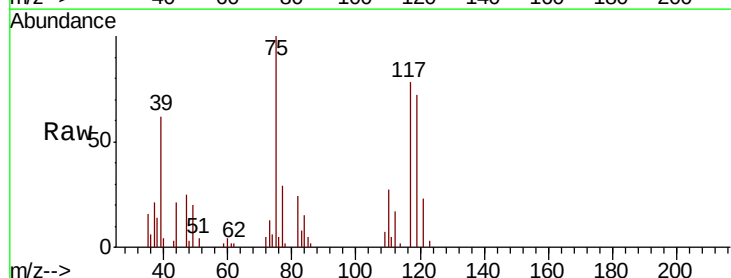
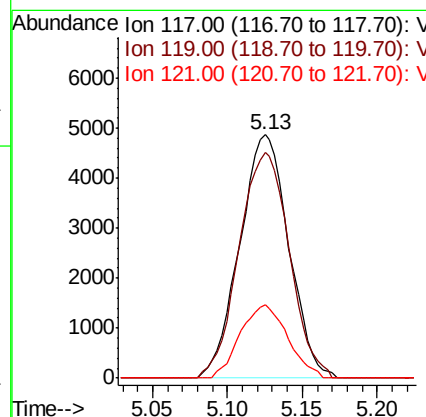
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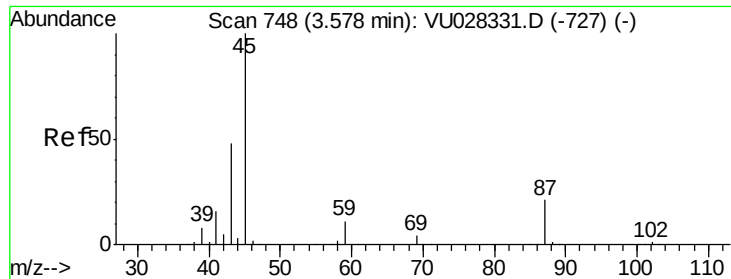
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#30
Carbon Tetrachloride
Concen: 2.016 ug/l
RT: 5.13 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.7	78.2	117.4
121	30.1	24.7	37.1





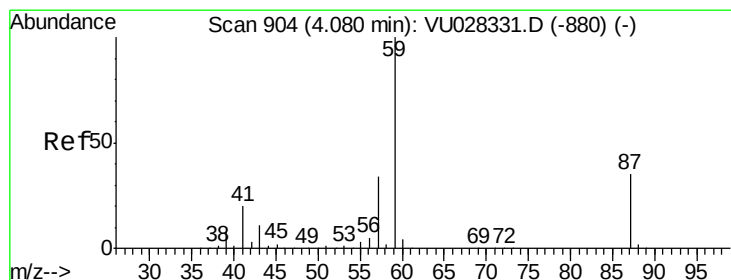
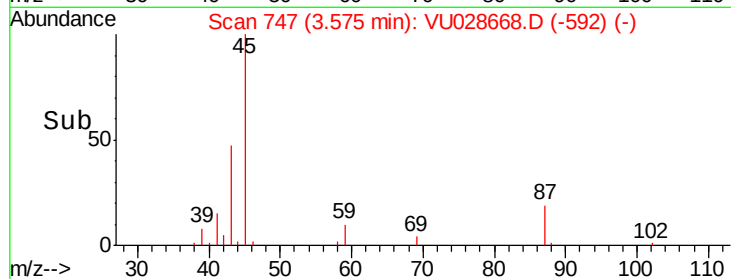
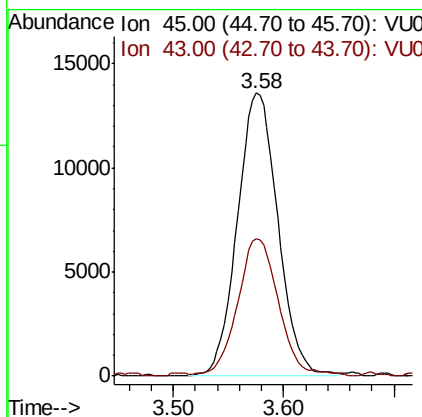
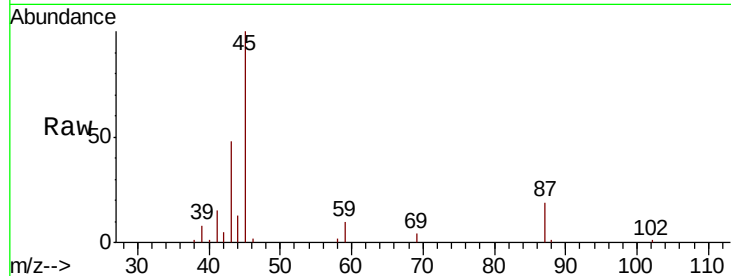
#31
Isopropyl Ether
Concen: 2.139 ug/l
RT: 3.58 min Scan# 747
Delta R.T. -0.00 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Instrument :
MSVOA_U
ClientSampleId :
VU1214WBS01

Tot Ion: 45 Resp: 34694
Ion Ratio Lower Upper
45 100
43 49.3 24.2 72.6

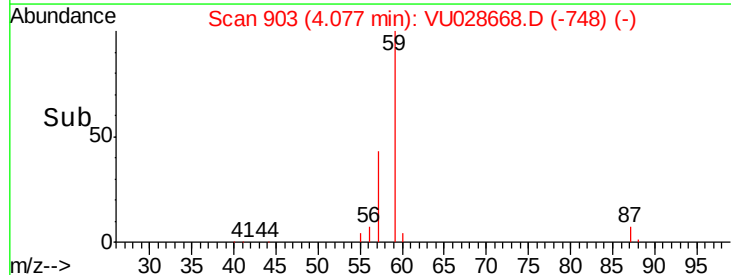
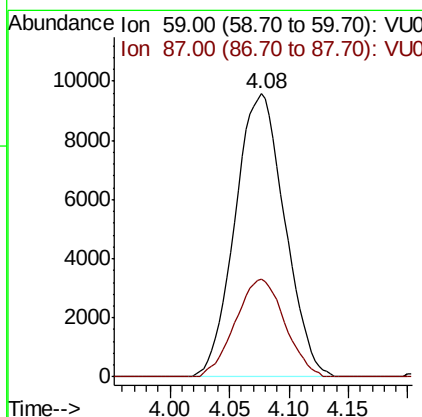
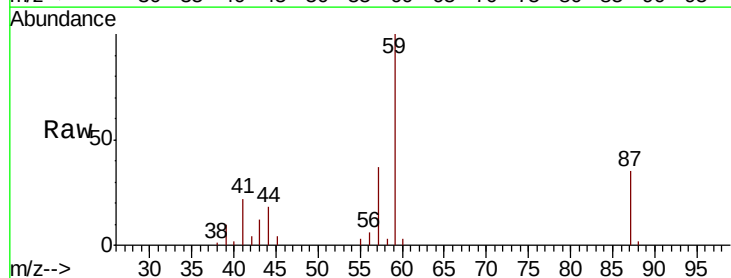
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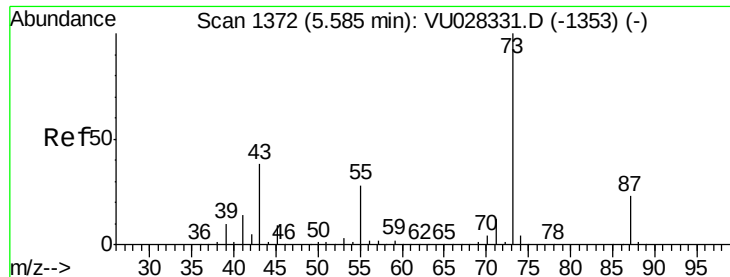
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#32
Ethyl-t-butyl ether
Concen: 2.074 ug/l
RT: 4.08 min Scan# 903
Delta R.T. -0.00 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Tgt Ion: 59 Resp: 27706
Ion Ratio Lower Upper
59 100
87 34.3 28.2 42.4





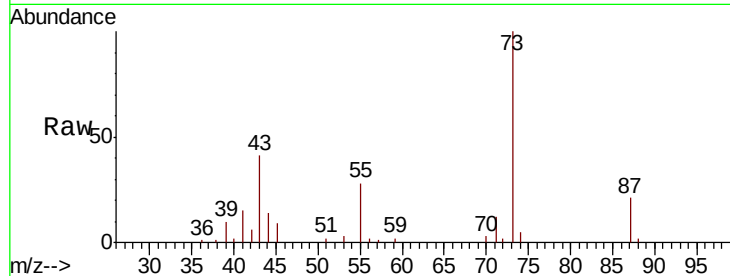
#33
Tert-Butyl methyl ether
Concen: 1.986 ug/l
RT: 5.58 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Instrument :
MSVOA_U
ClientSampleId :
VU1214WBS01

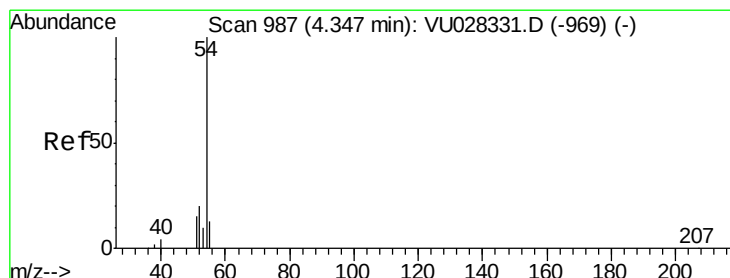
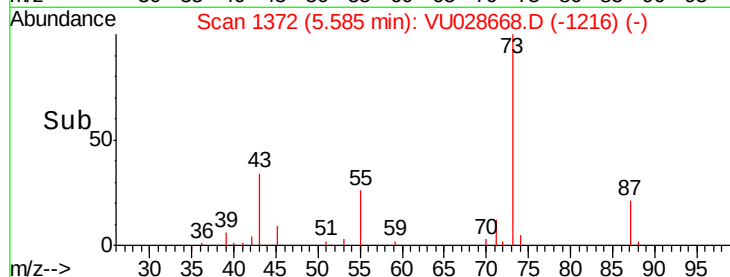
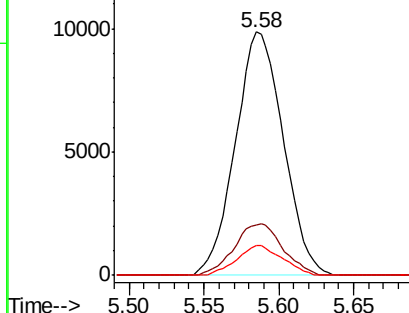
Tot Ion	Ratio	Lower	Upper
73	100		
87	21.4	17.6	26.4
71	11.6	9.2	13.8

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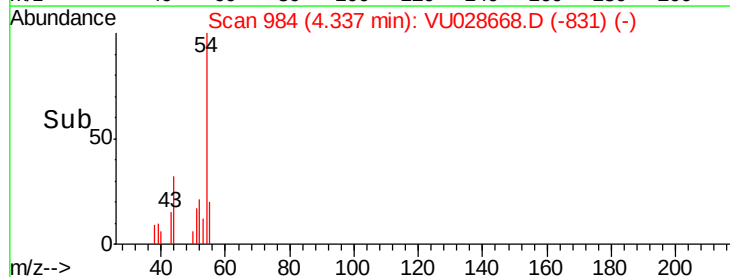
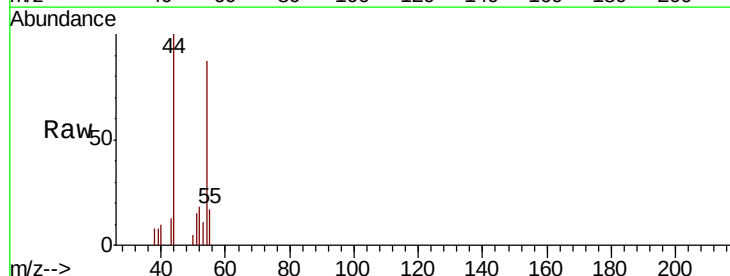
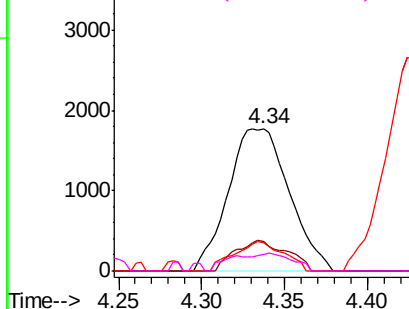
Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

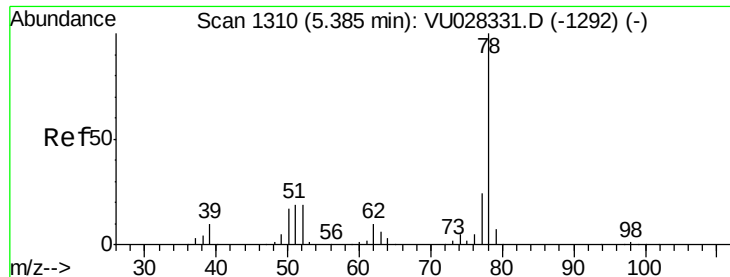


#34
Propionitrile
Concen: 11.240 ug/l
RT: 4.34 min Scan# 984
Delta R.T. -0.01 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Tgt Ion	Ratio	Lower	Upper
54	100		
52	18.3	16.6	25.0
55	16.7	12.9	19.3
40	3.9	2.6	4.0

Abundance Ion 54.00 (53.70 to 54.70): VU0
Ion 52.00 (51.70 to 52.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 40.00 (39.70 to 40.70): VU0





#35

Benzene

Concen: 1.985 ug/l

RT: 5.38 min Scan# 1309

Delta R.T. -0.00 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

Instrument :

MSVOA_U

ClientSampleId :

VU1214WBS01

Tot Ion: 78 Resp: 38241

Ion Ratio Lower Upper

78 100

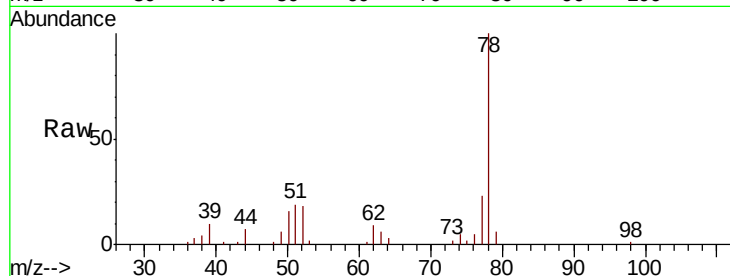
77 23.4 19.5 29.3

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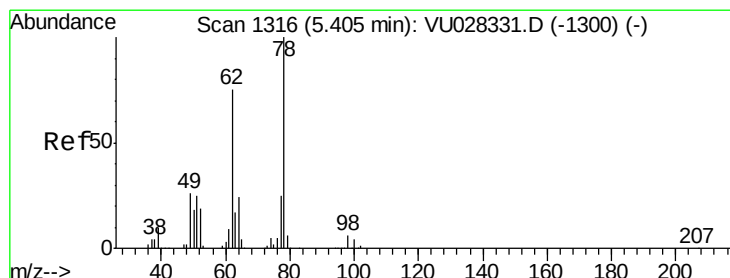
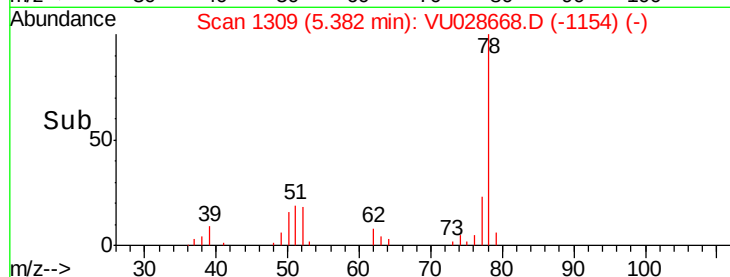
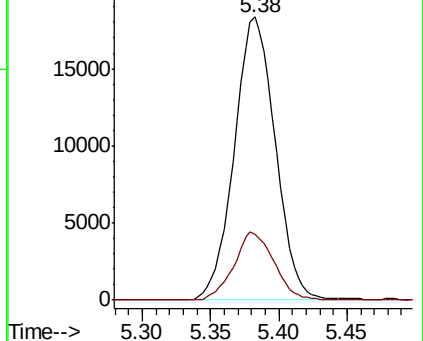
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Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0



#36

1,2-Dichloroethane

Concen: 2.007 ug/l

RT: 5.40 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VU028668.D

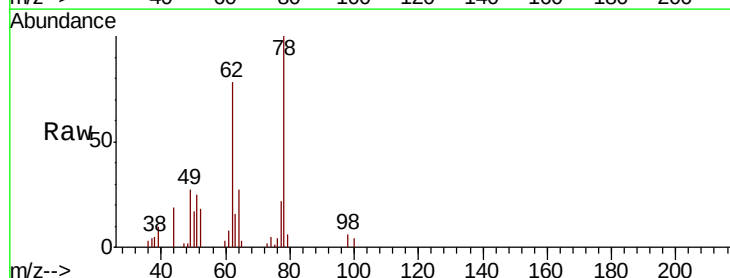
Acq: 13 Dec 2018 10:19

Tgt Ion: 62 Resp: 11560

Ion Ratio Lower Upper

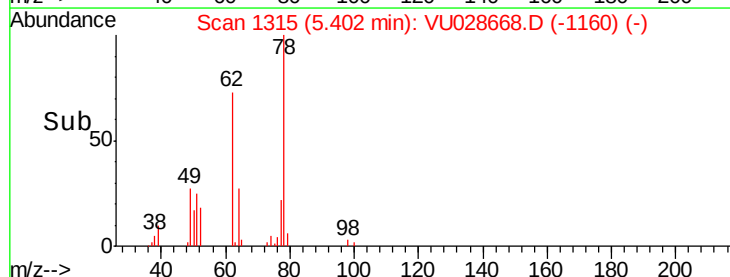
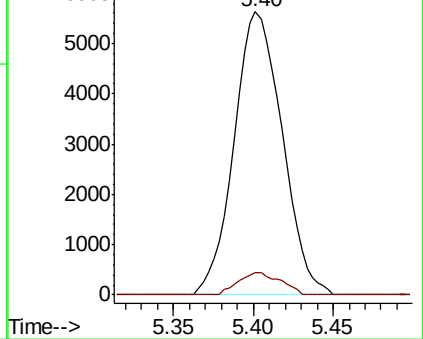
62 100

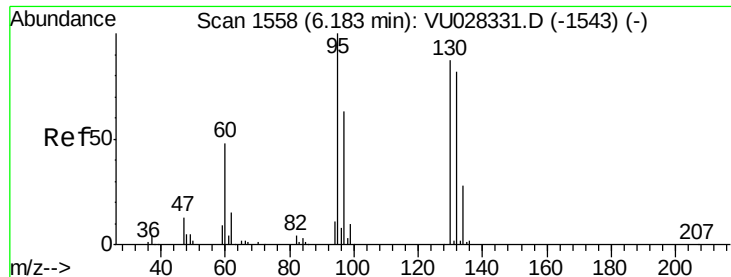
98 6.9 6.0 9.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

Trichloroethene

Concen: 2.004 ug/l

RT: 6.18 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

Instrument :

MSVOA_U

ClientSampleId :

VU1214WBS01

Tot Ion:130 Resp: 8407

Ion Ratio Lower Upper

130 100

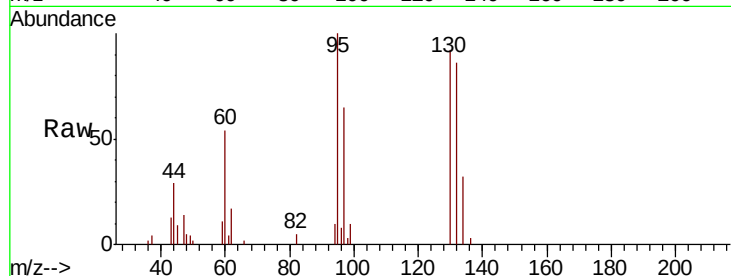
95 108.3 91.5 137.3

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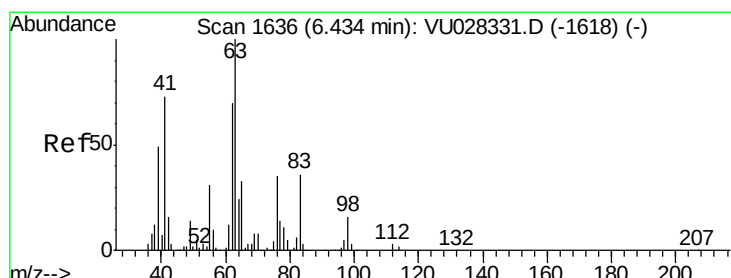
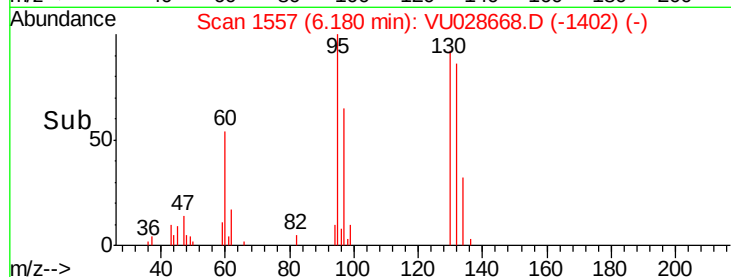
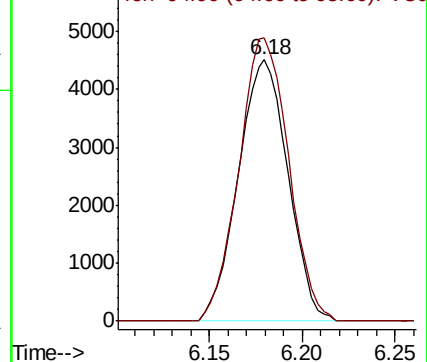
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Abundance Ion 129.90 (129.60 to 130.60): VU028331.D (-1543) (-)



#38

1,2-Dichloropropane

Concen: 1.980 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU028668.D

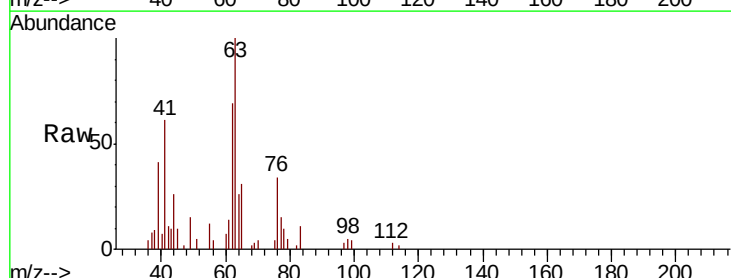
Acq: 13 Dec 2018 10:19

Tgt Ion: 63 Resp: 10874

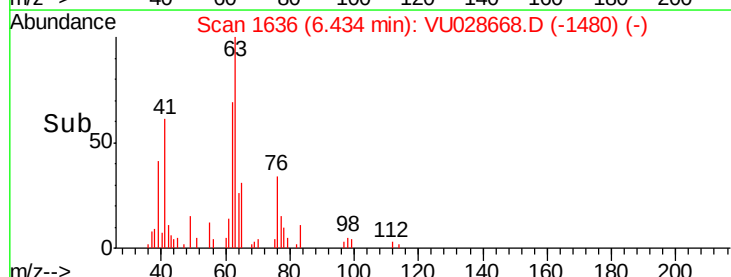
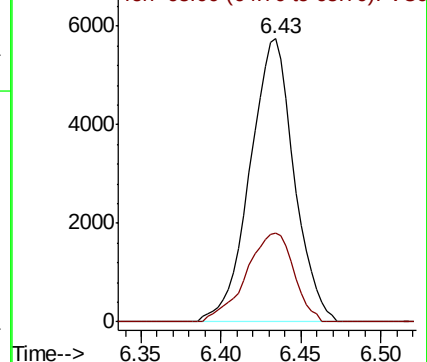
Ion Ratio Lower Upper

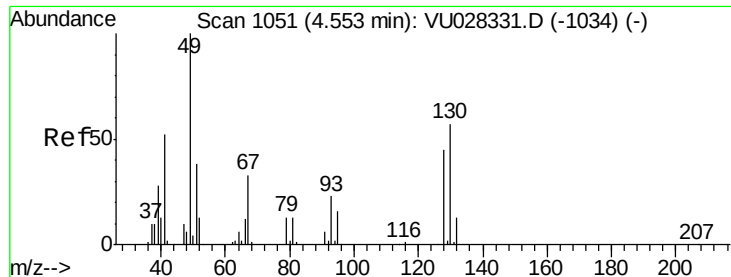
63 100

65 31.5 26.2 39.4



Abundance Ion 63.00 (62.70 to 63.70): VU028331.D (-1618) (-)





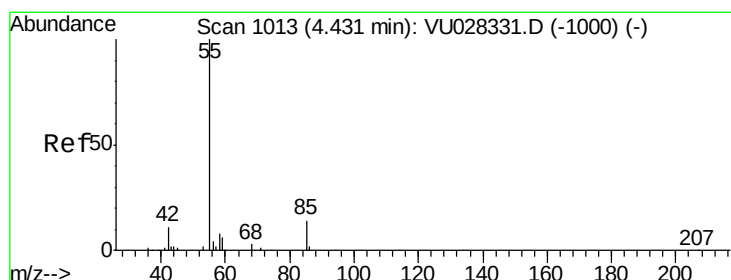
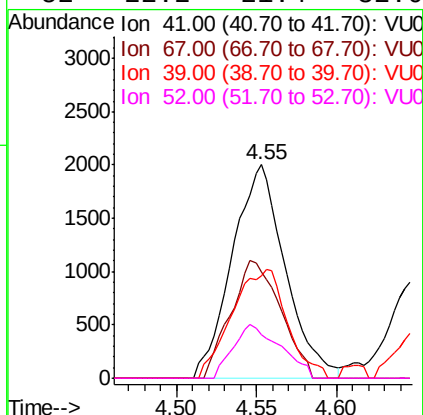
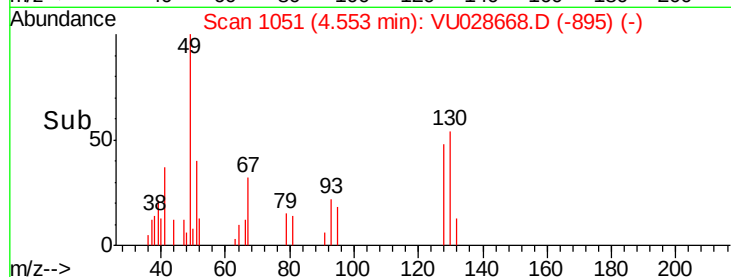
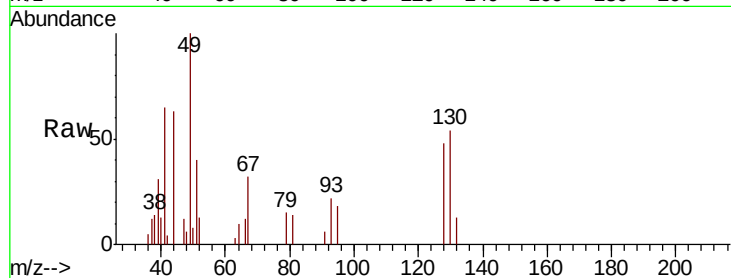
#39
Methacrylonitrile
Concen: 2.116 ug/l
RT: 4.55 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Instrument :
MSVOA_U
ClientSampleId :
VU1214WBS01

Tot Ion	41	Resp:	4558
Ion	Ratio	Lower	Upper
41	100		
67	51.4	48.2	72.4
39	52.9	42.9	64.3
52	22.2	21.4	32.0

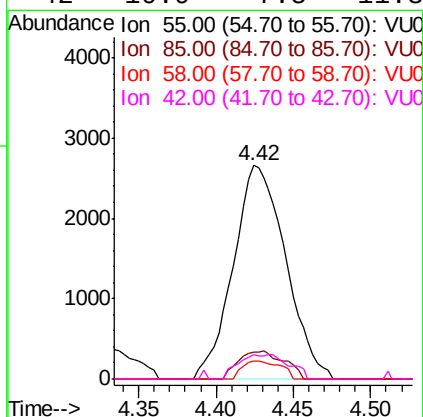
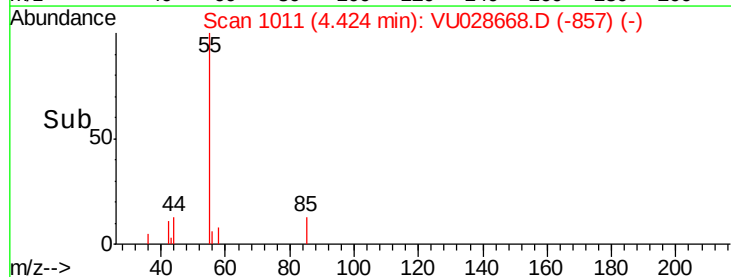
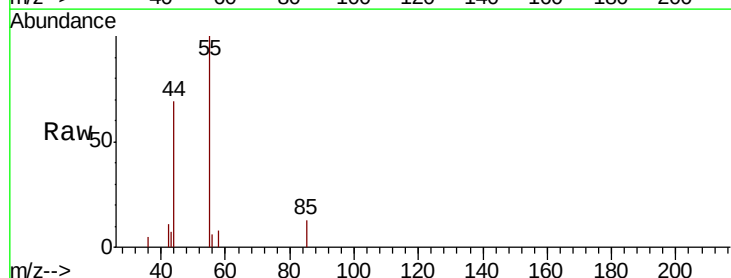
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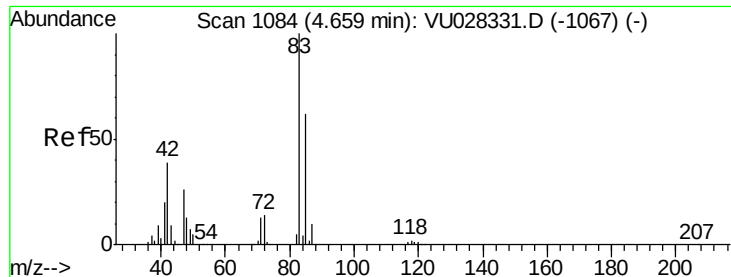
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#40
Methyl acrylate
Concen: 2.110 ug/l
RT: 4.42 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Tgt Ion	55	Resp:	6254
Ion	Ratio	Lower	Upper
55	100		
85	11.3	10.9	16.3
58	6.0	6.4	9.6#
42	10.9	7.5	11.3





#41

Tetrahydrofuran

Concen: 4.589 ug/l

RT: 4.66 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

Instrument :

MSVOA_U

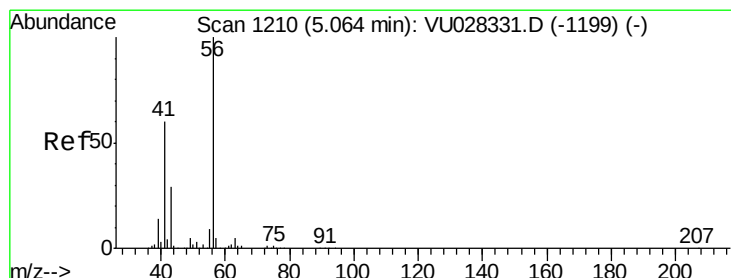
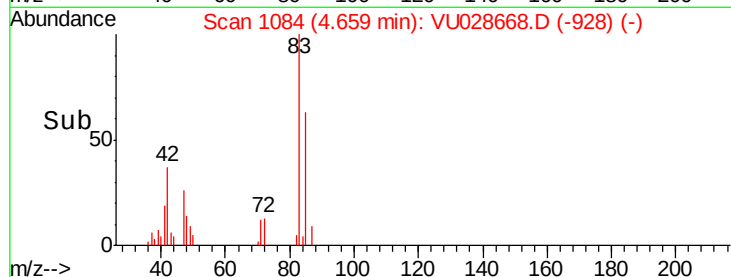
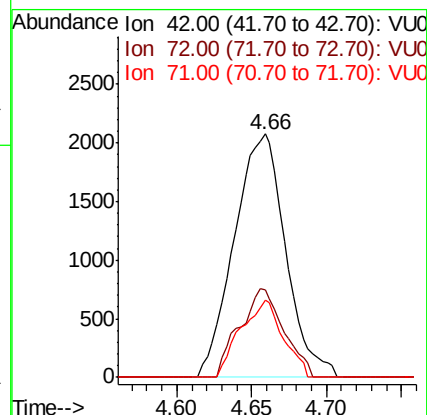
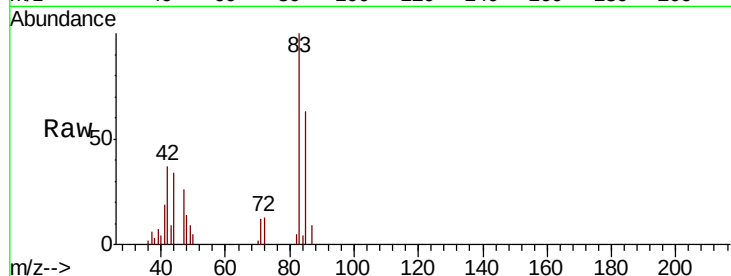
ClientSampleId :

VU1214WBS01

Tot Ion:	42	Resp:	4970
Ion	Ratio	Lower	Upper
42	100		
72	31.2	29.8	44.6
71	26.1	25.9	38.9

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#42

1-Chlorobutane

Concen: 1.947 ug/l

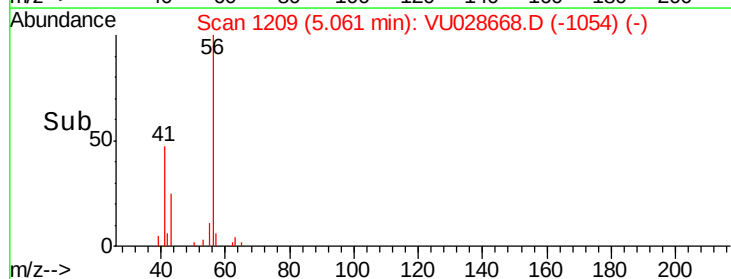
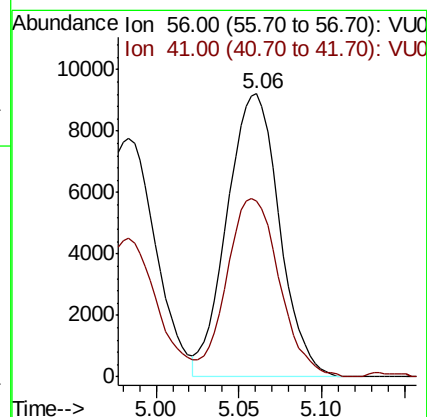
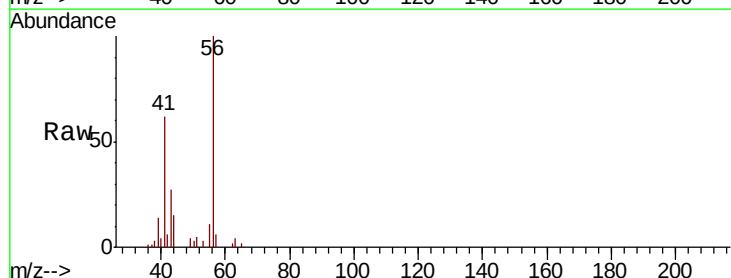
RT: 5.06 min Scan# 1209

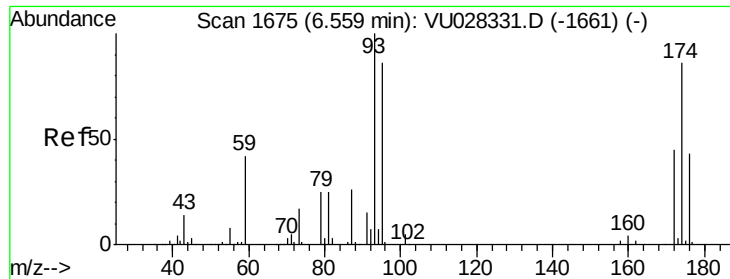
Delta R.T. -0.00 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

Tgt Ion:	56	Resp:	20254
Ion	Ratio	Lower	Upper
56	100		
41	63.0	29.8	89.3





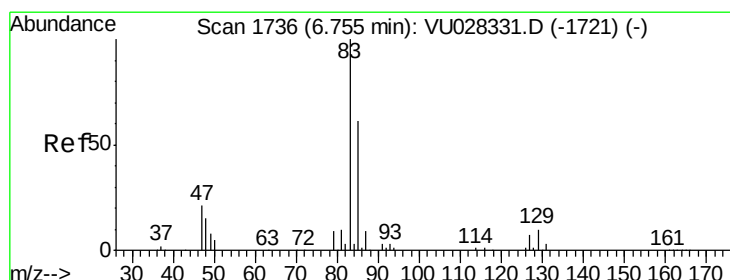
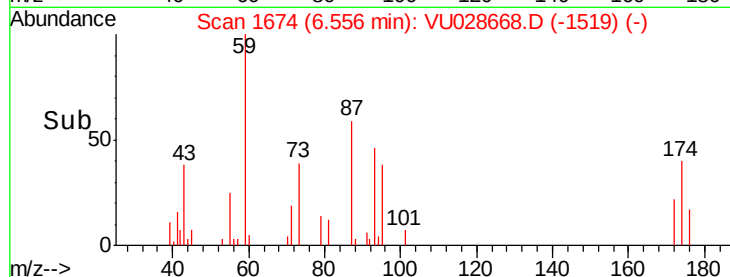
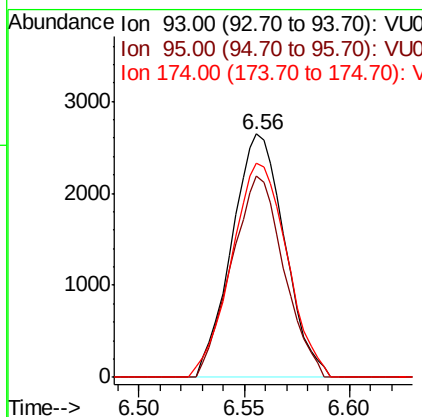
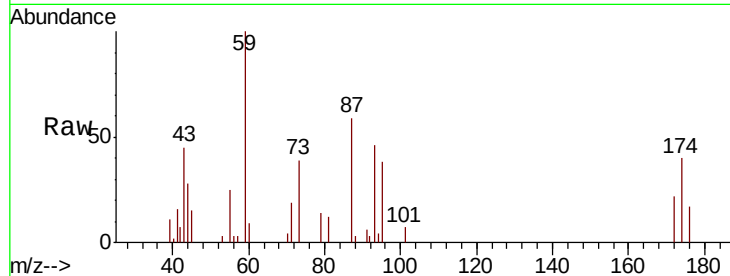
#43
Dibromomethane
Concen: 1.969 ug/l
RT: 6.56 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Instrument :
MSVOA_U
ClientSampleId :
VU1214WBS01

Tot Ion: 93 Resp: 4605
Ion Ratio Lower Upper
93 100
95 81.9 66.6 99.8
174 92.3 69.4 104.2

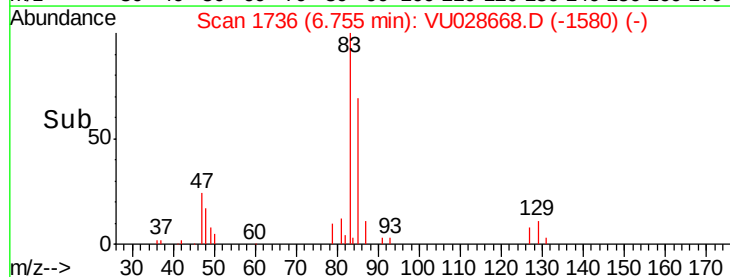
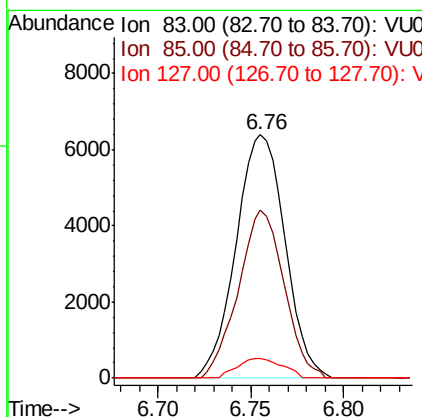
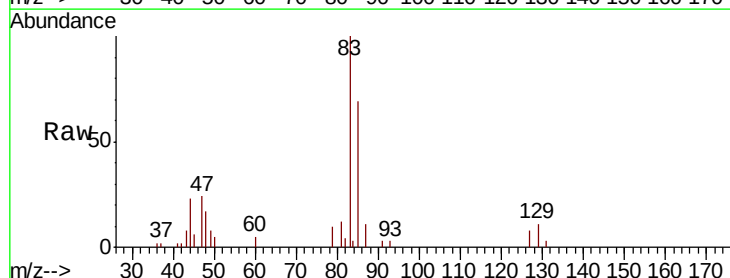
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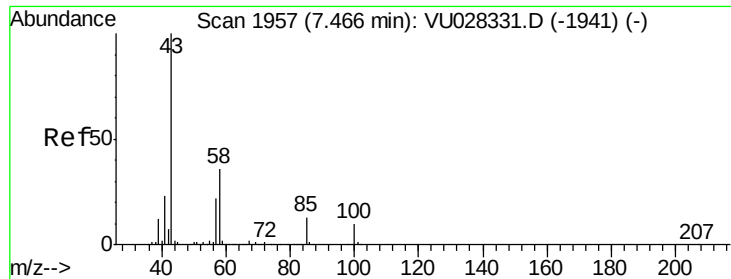
MMDadoda
12/14/2018 9:32:18 AM



#44
Bromodichloromethane
Concen: 1.901 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Tgt Ion: 83 Resp: 11738
Ion Ratio Lower Upper
83 100
85 69.2 49.0 73.6
127 8.3 5.7 8.5





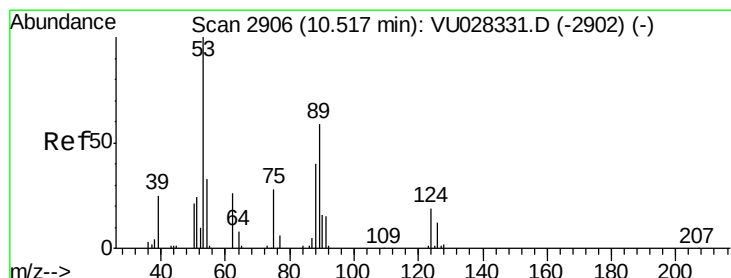
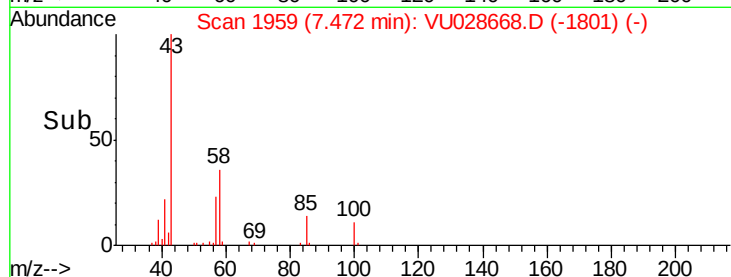
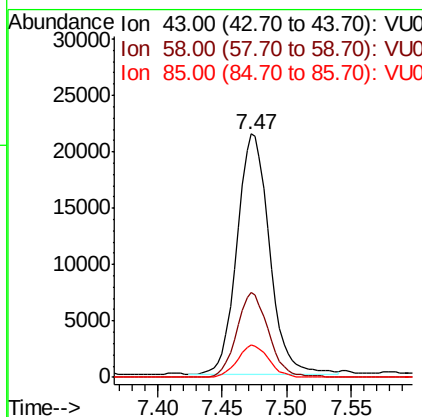
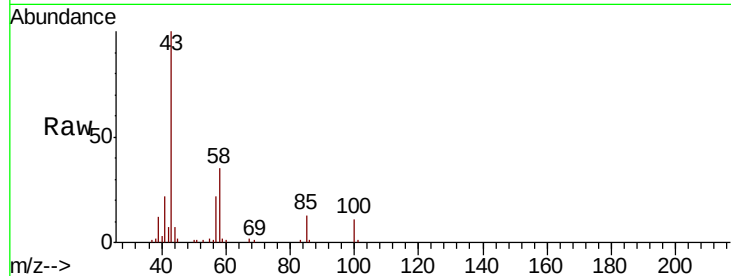
#45
4-Methyl-2-Pentanone
Concen: 9.935 ug/l
RT: 7.47 min Scan# 1959
Delta R.T. 0.01 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Instrument :
MSVOA_U
ClientSampleId :
VU1214WBS01

Tot Ion:	43	Resp:	37314
Ion	Ratio	Lower	Upper
43	100		
58	34.5	17.9	53.7
85	12.8	10.8	16.2

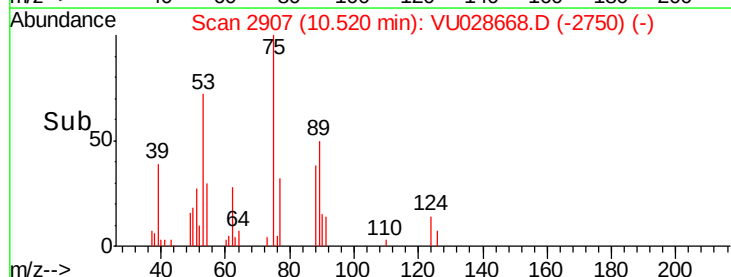
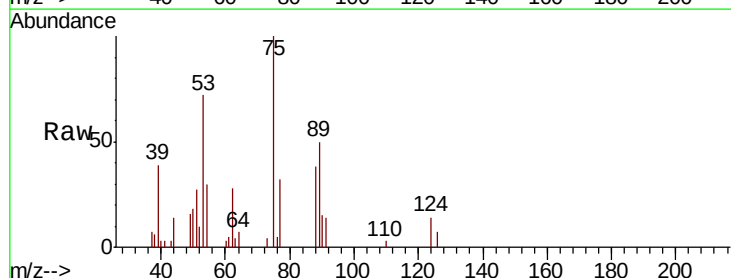
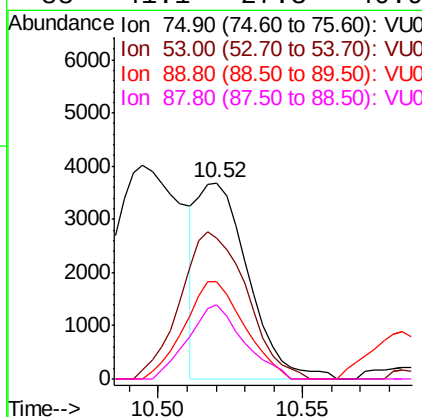
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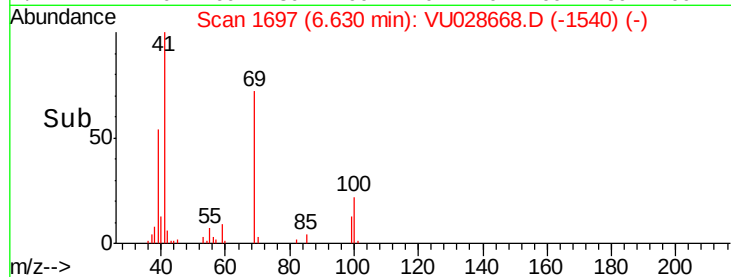
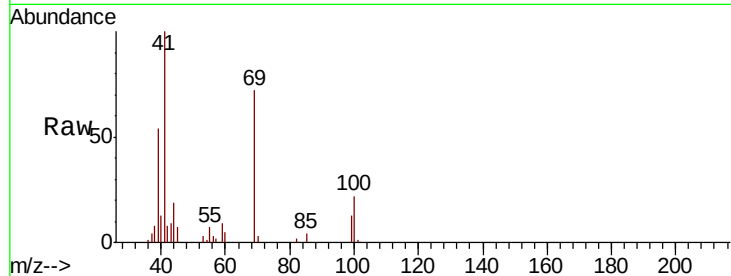
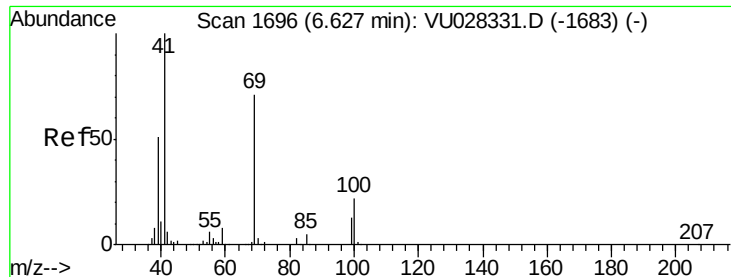
MMDadoda
12/14/2018 9:32:18 AM



#46
t-1,4-Dichloro-2-butene
Concen: 3.318 ug/l m
RT: 10.52 min Scan# 2907
Delta R.T. 0.00 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Tgt Ion:	75	Resp:	4558
Ion	Ratio	Lower	Upper
75	100		
53	97.5	65.0	97.6
89	58.2	38.6	58.0#
88	41.1	27.3	40.9#





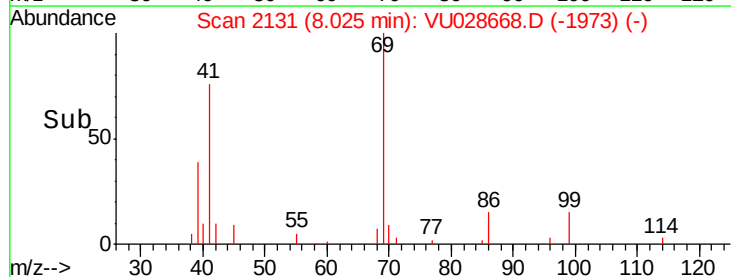
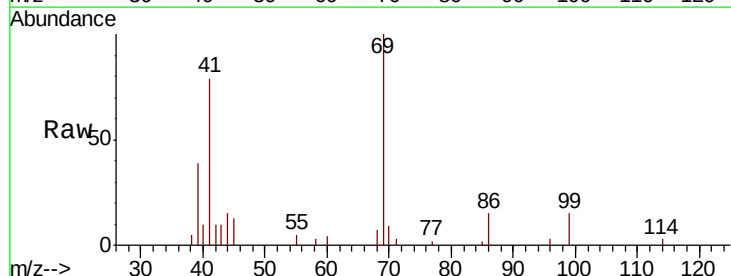
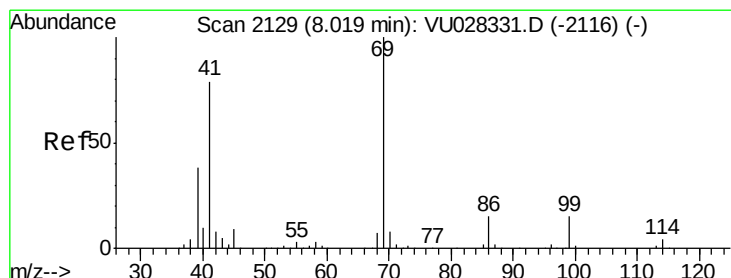
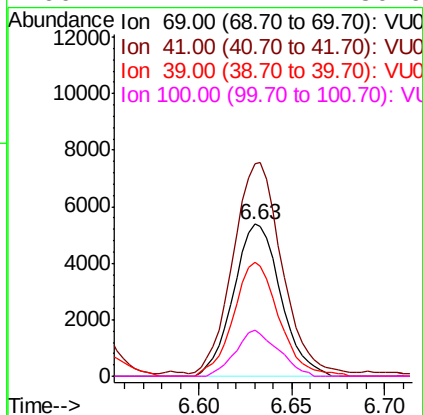
#47
Methyl methacrylate
Concen: 3.987 ug/l
RT: 6.63 min Scan# 1697
Delta R.T. 0.00 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	142.9	0.0	277.2		
39	72.3	57.6	86.4		
100	27.4	24.4	36.6		

Instrument :
MSVOA_U
ClientSampleId :
VU1214WBS01

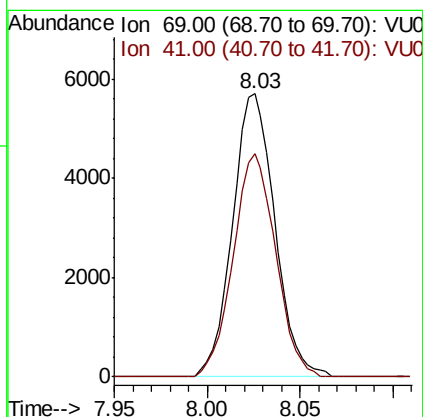
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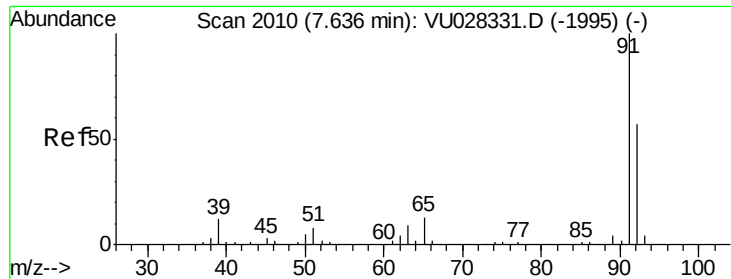
MMDadoda
12/14/2018 9:32:18 AM



#48
Ethyl methacrylate
Concen: 1.896 ug/l
RT: 8.03 min Scan# 2131
Delta R.T. 0.01 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	79.3	39.4	118.2		





#49

Toluene

Concen: 1.985 ug/l

RT: 7.63 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

Instrument :

MSVOA_U

ClientSampleId :

VU1214WBS01

Tot Ion: 92 Resp: 21237

Ion Ratio Lower Upper

92 100

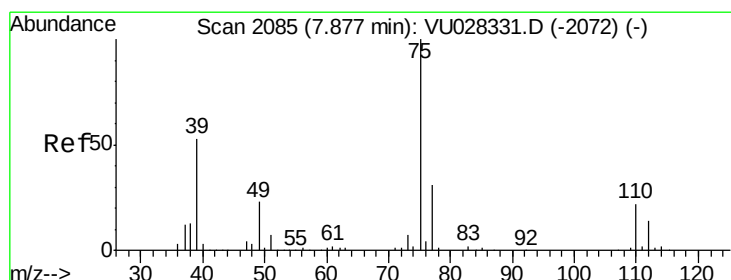
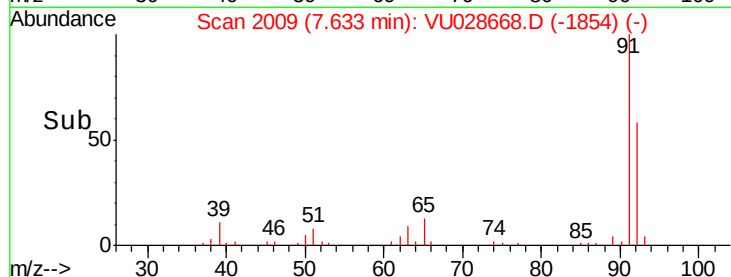
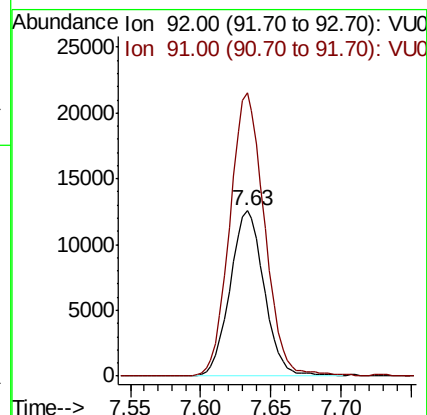
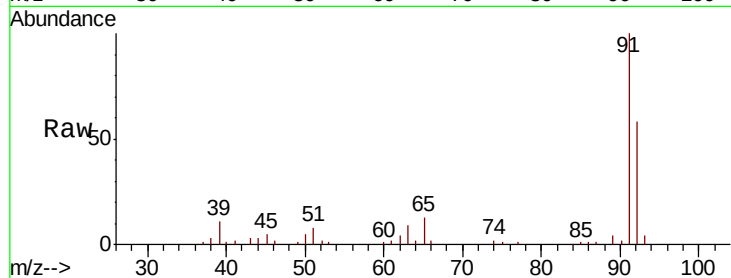
91 174.5 141.5 212.3

Manual Integrations

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#50

t-1,3-Dichloropropene

Concen: 1.925 ug/l

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU028668.D

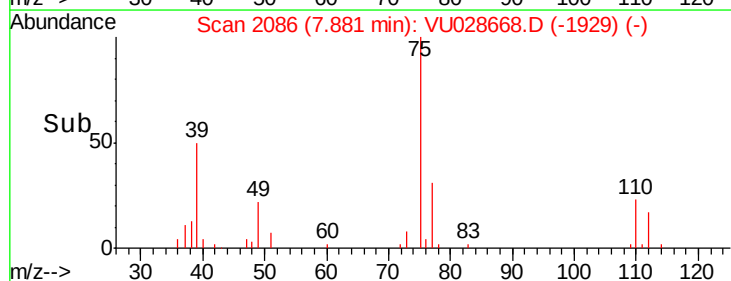
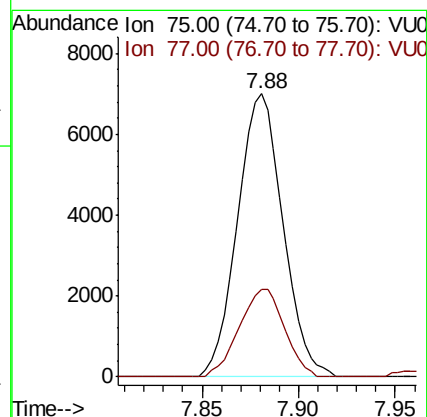
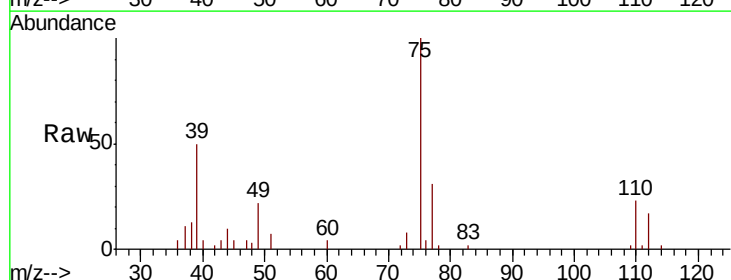
Acq: 13 Dec 2018 10:19

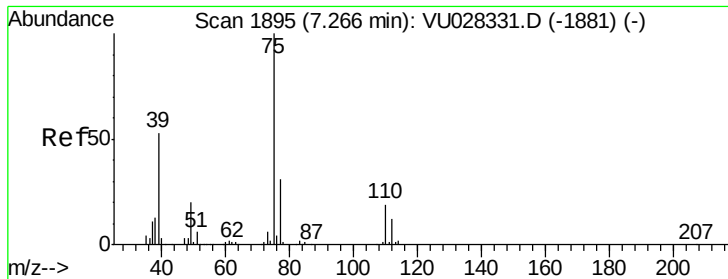
Tgt Ion: 75 Resp: 11416

Ion Ratio Lower Upper

75 100

77 31.1 24.7 37.1





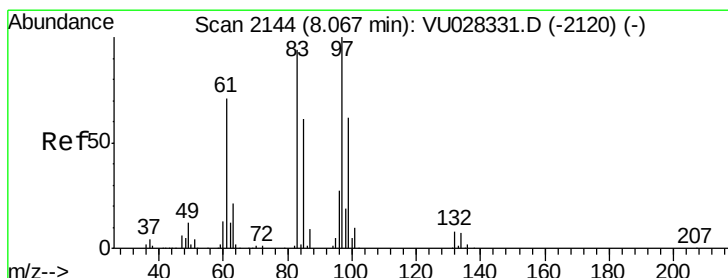
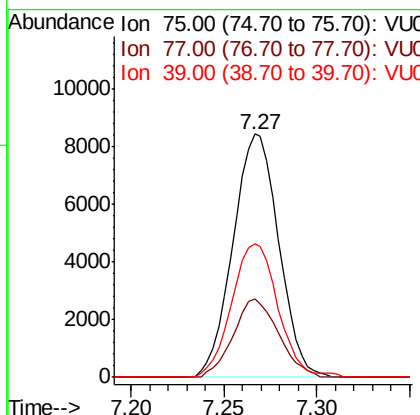
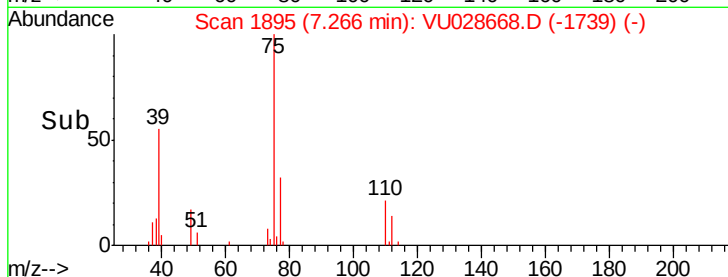
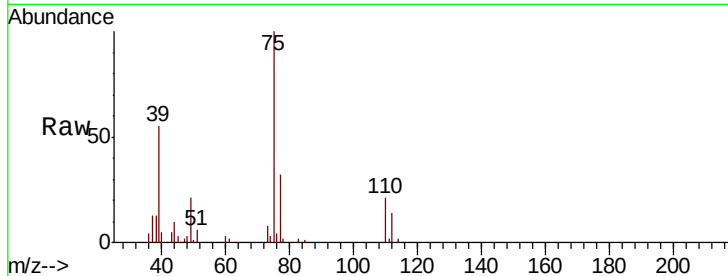
#51
 cis-1,3-Dichloropropene
 Concen: 1.970 ug/l
 RT: 7.27 min Scan# 1895
 Delta R.T. 0.00 min
 Lab File: VU028668.D
 Acq: 13 Dec 2018 10:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1214WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.4	36.6
39	55.0	42.8	64.2

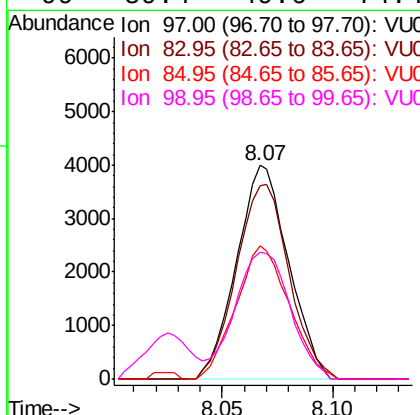
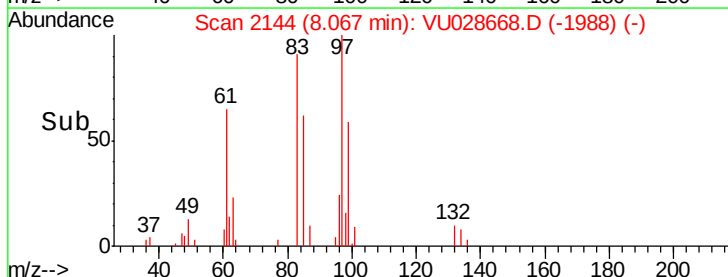
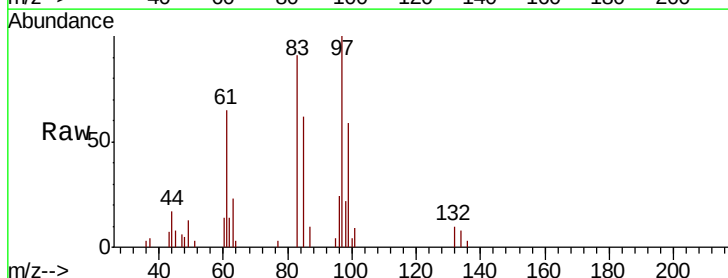
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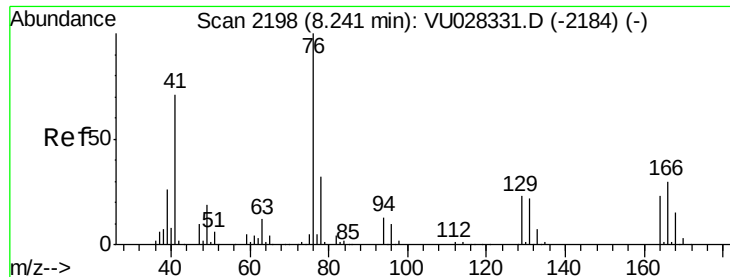
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#52
 1,1,2-Trichloroethane
 Concen: 1.987 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028668.D
 Acq: 13 Dec 2018 10:19

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.6	75.1	112.7
85	62.2	48.7	73.1
99	59.4	49.6	74.4





#53

1,3-Dichloropropane

Concen: 1.893 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

Instrument :

MSVOA_U

ClientSampleId :

VU1214WBS01

Tot Ion: 76 Resp: 11607

Ion Ratio Lower Upper

76 100

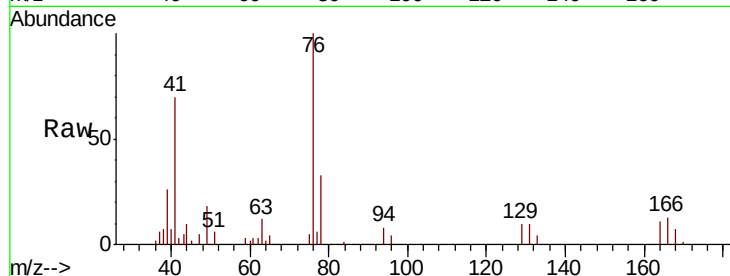
78 32.1 25.4 38.0

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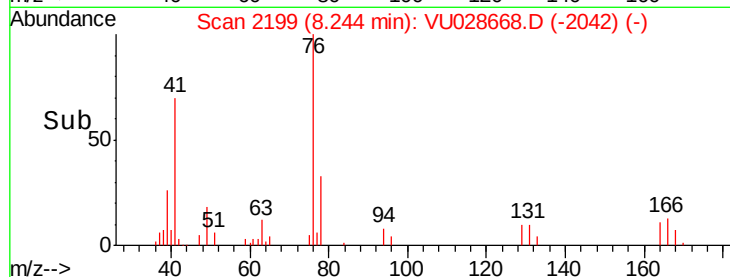
Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

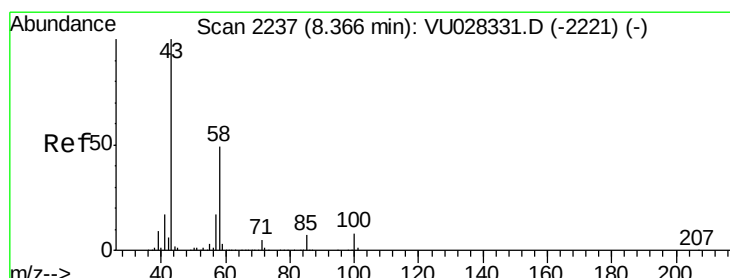
8.24

8.25

8.30



Time-->



#54

2-Hexanone

Concen: 9.533 ug/l

RT: 8.37 min Scan# 2239

Delta R.T. 0.01 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

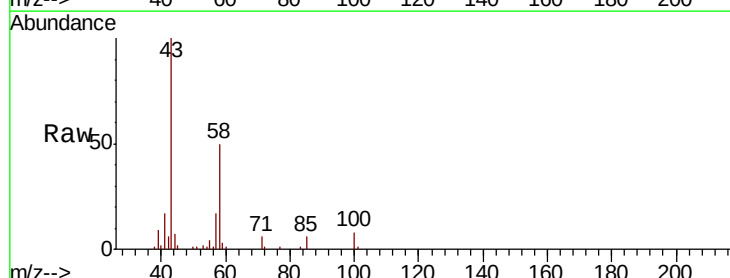
Tgt Ion: 43 Resp: 25756

Ion Ratio Lower Upper

43 100

58 48.4 29.3 69.3

57 16.0 0.0 36.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

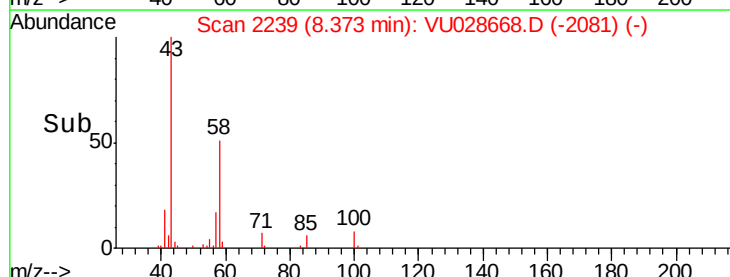
Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

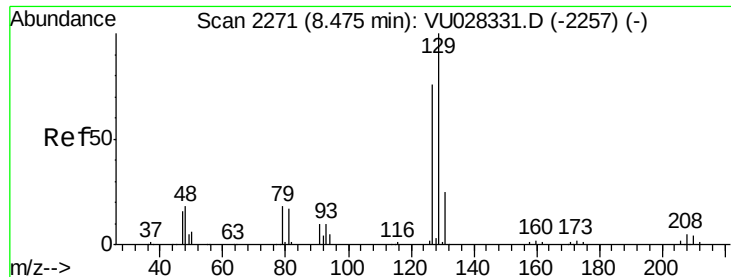
8.37

8.40

8.45



Time-->



#55

Dibromochloromethane

Concen: 2.046 ug/l

RT: 8.48 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

Instrument :

MSVOA_U

ClientSampleId :

VU1214WBS01

Tot Ion:129 Resp: 7146

Ion Ratio Lower Upper

129 100

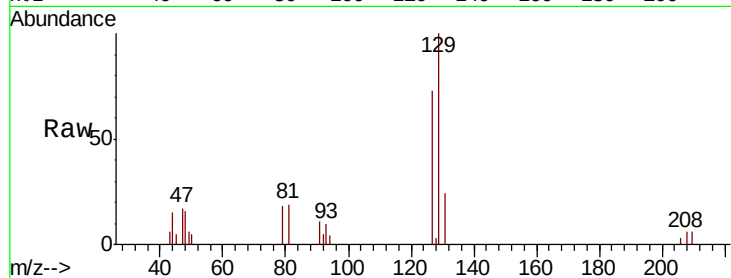
127 75.4 61.0 91.4

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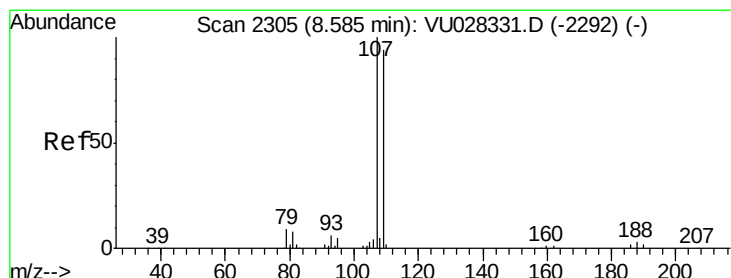
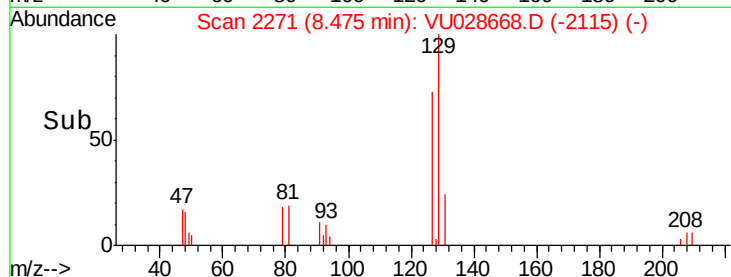
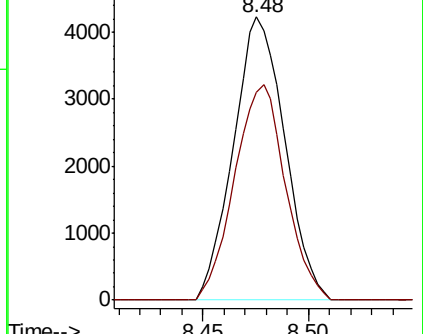
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 2.079 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU028668.D

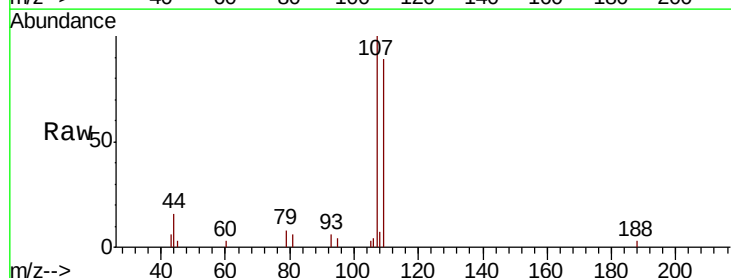
Acq: 13 Dec 2018 10:19

Tgt Ion:107 Resp: 6217

Ion Ratio Lower Upper

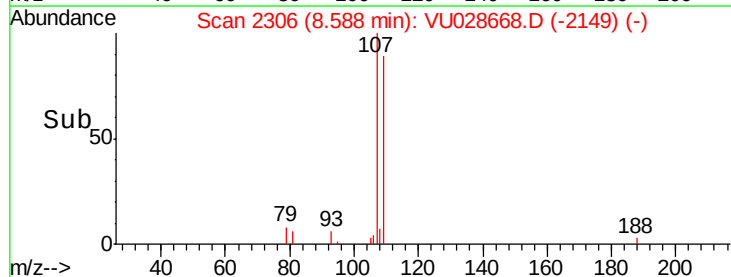
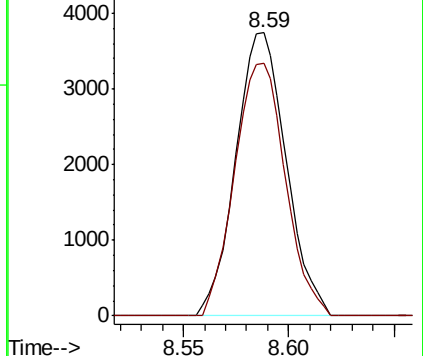
107 100

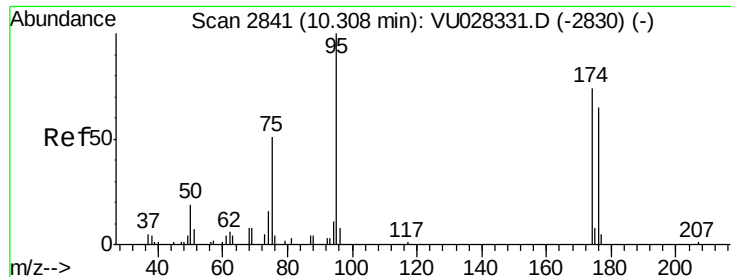
109 89.8 0.0 187.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





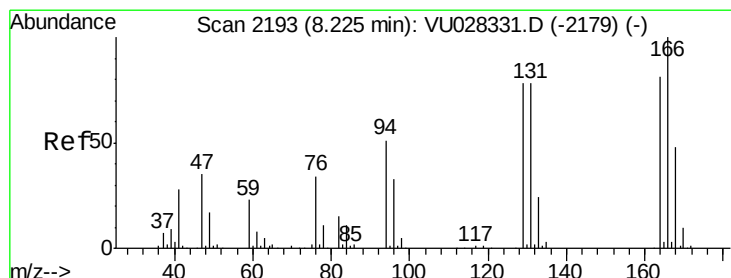
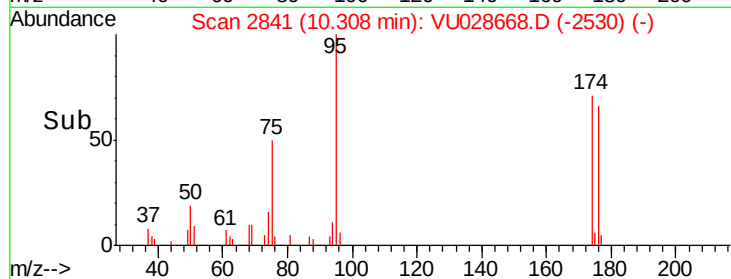
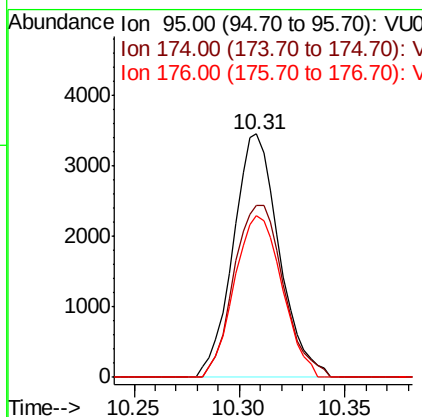
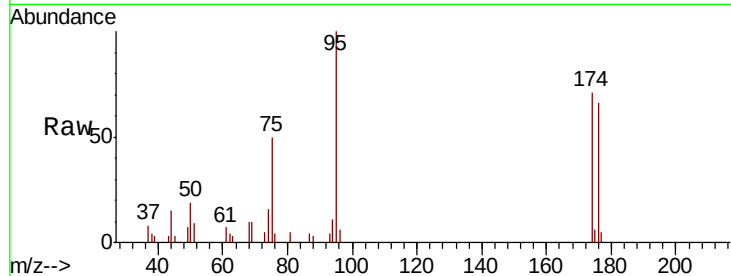
#57
4-Bromofluorobenzene
Concen: 2.079 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Instrument :
MSVOA_U
ClientSampleId :
VU1214WBS01

Tot Ion	Ratio	Lower	Upper
95	100		
174	76.3	59.3	88.9
176	69.0	54.3	81.5

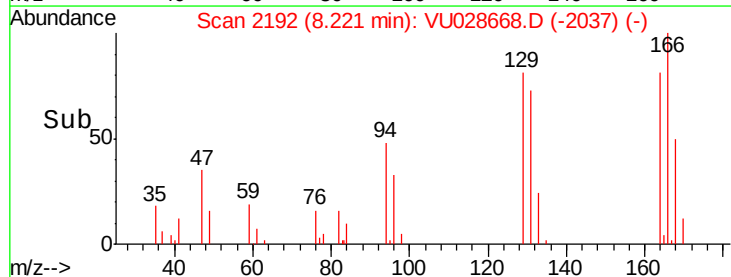
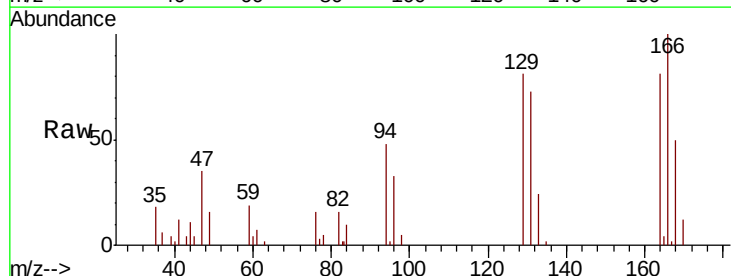
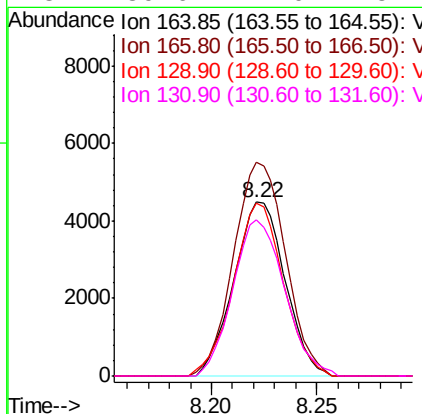
Manual Integrations
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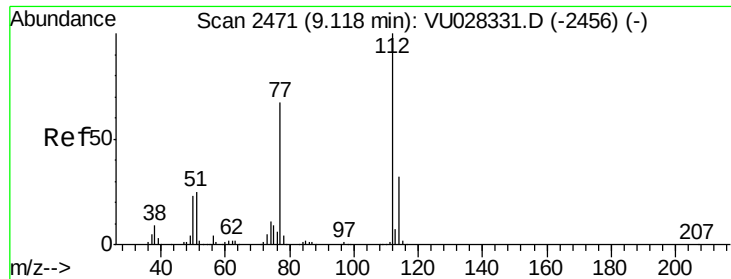
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12/14/2018 9:32:18 AM



#58
Tetrachloroethene
Concen: 1.968 ug/l
RT: 8.22 min Scan# 2192
Delta R.T. -0.00 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.9	98.6	148.0
129	99.5	77.0	115.4
131	89.6	77.0	115.4





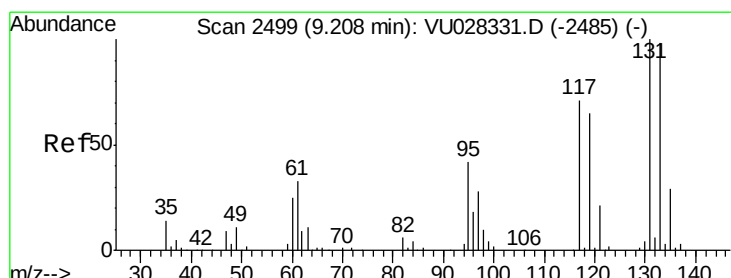
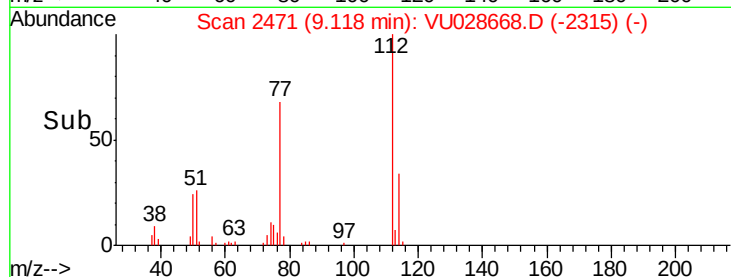
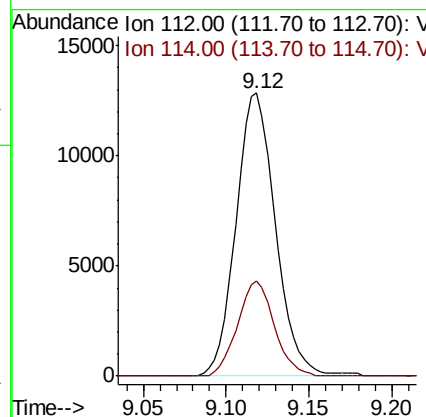
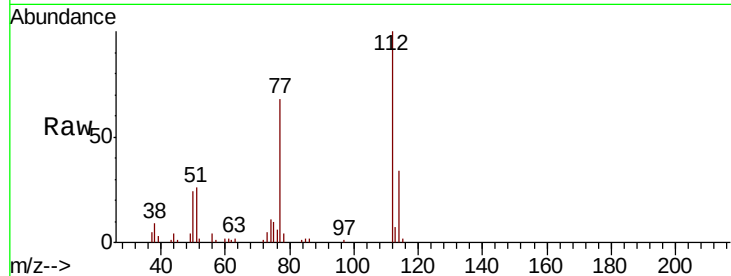
#59
Chlorobenzene
Concen: 1.907 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Instrument :
MSVOA_U
ClientSampleId :
VU1214WBS01

Tot Ion:112 Resp: 21228
Ion Ratio Lower Upper
112 100
114 33.9 25.2 37.8

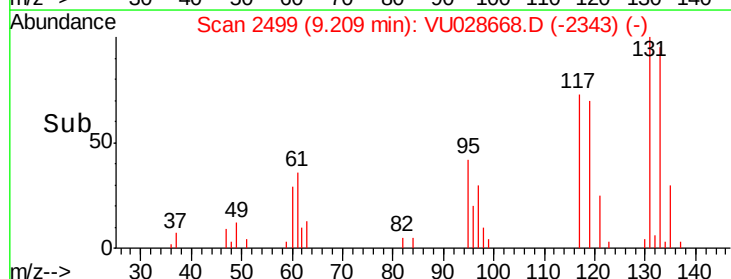
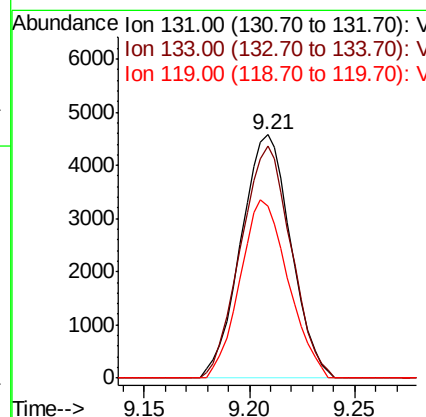
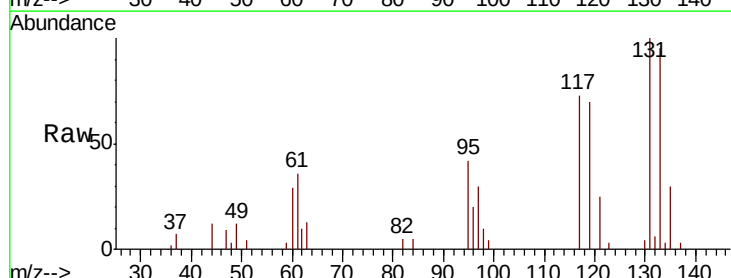
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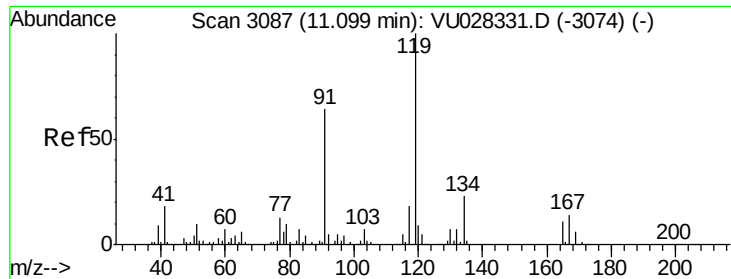
MMDadoda
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#60
1,1,1,2-Tetrachloroethane
Concen: 2.000 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Tgt Ion:131 Resp: 7545
Ion Ratio Lower Upper
131 100
133 96.0 77.7 116.5
119 70.4 54.3 81.5





#61

Pentachloroethane

Concen: 2.108 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

Instrument :

MSVOA_U

ClientSampleId :

VU1214WBS01

Tot Ion:117 Resp: 6187

Ion Ratio Lower Upper

117 100

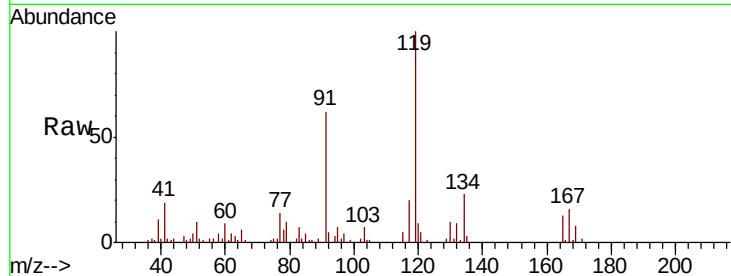
167 75.9 64.2 96.2

Manual Integrations

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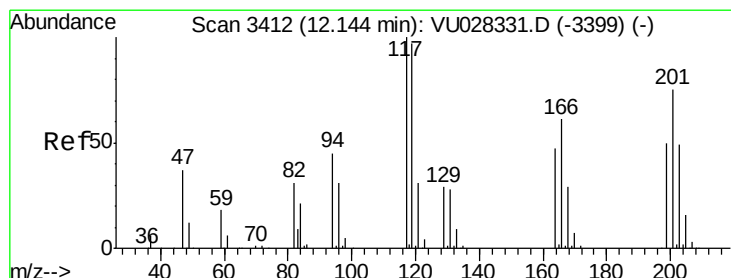
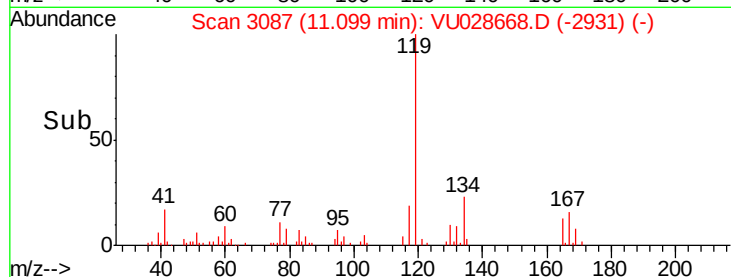
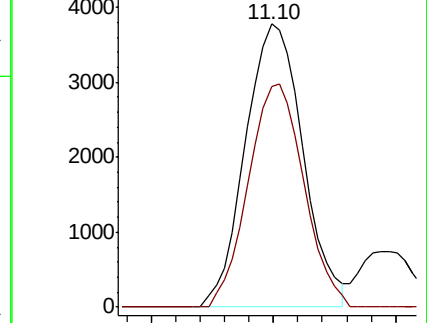
MMDadoda

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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 2.204 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VU028668.D

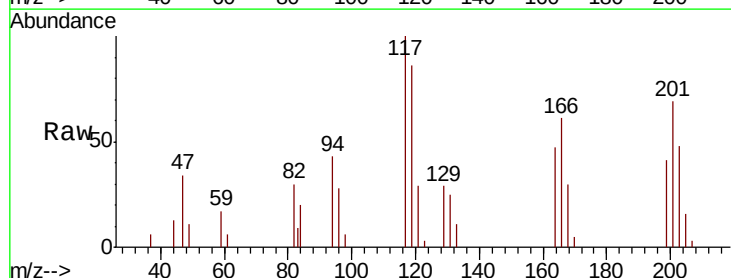
Acq: 13 Dec 2018 10:19

Tgt Ion:117 Resp: 6063

Ion Ratio Lower Upper

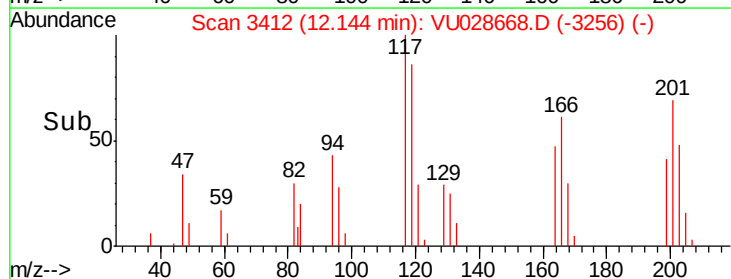
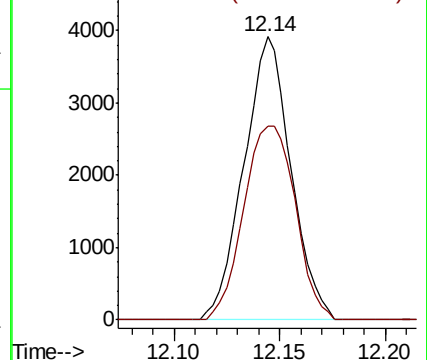
117 100

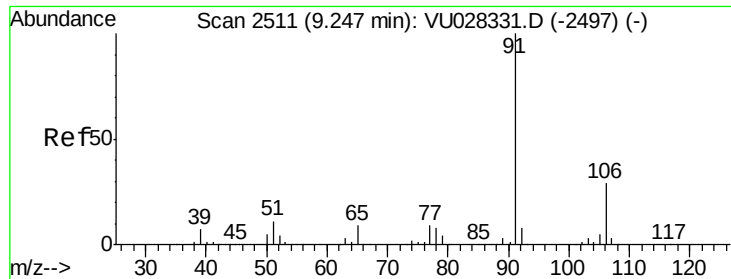
201 75.5 59.4 89.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





#63

Ethyl Benzene

Concen: 1.840 ug/l

RT: 9.25 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

Instrument :

MSVOA_U

ClientSampleId :

VU1214WBS01

Tot Ion: 91 Resp: 37784

Ion Ratio Lower Upper

91 100

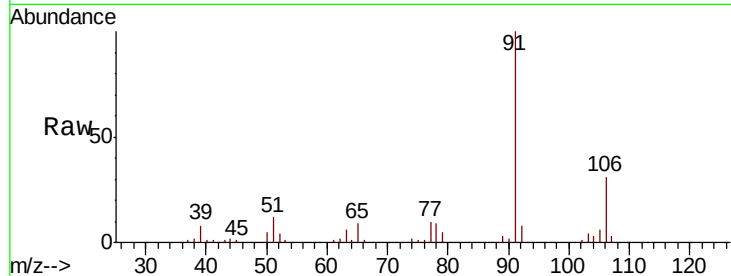
106 30.6 23.4 35.2

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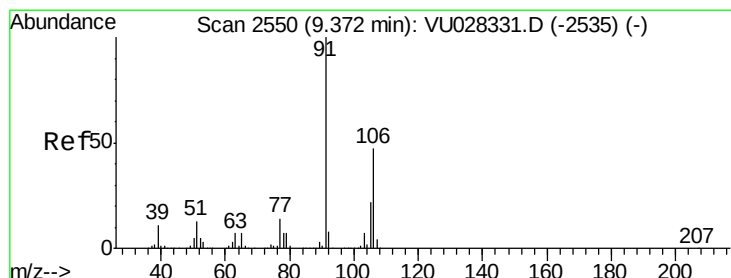
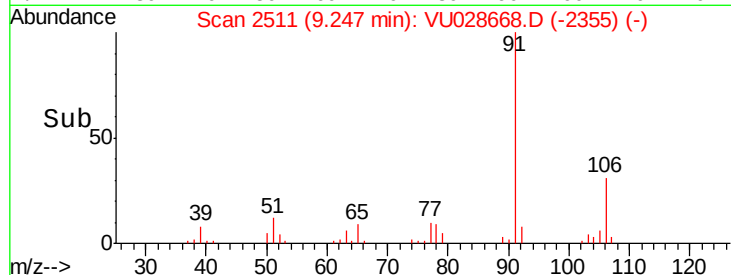
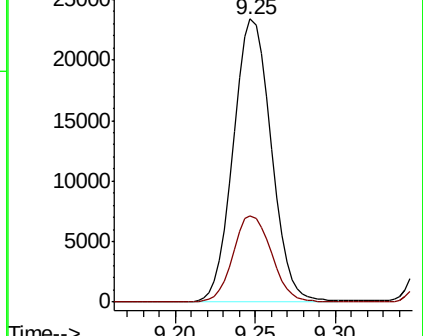
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Abundance Ion 91.00 (90.70 to 91.70): VU028331.D (-2497) (-)

Ion 106.00 (105.70 to 106.70): VU028331.D (-2497) (-)



#64

m/p-Xylenes

Concen: 3.770 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VU028668.D

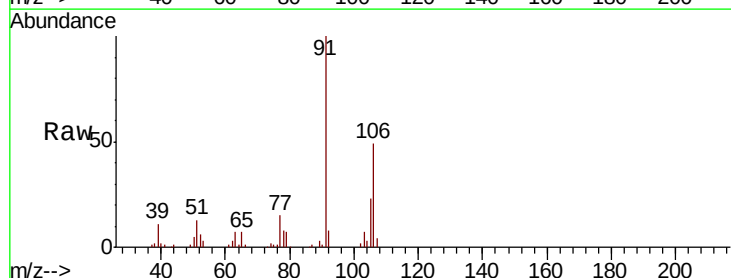
Acq: 13 Dec 2018 10:19

Tgt Ion: 106 Resp: 28021

Ion Ratio Lower Upper

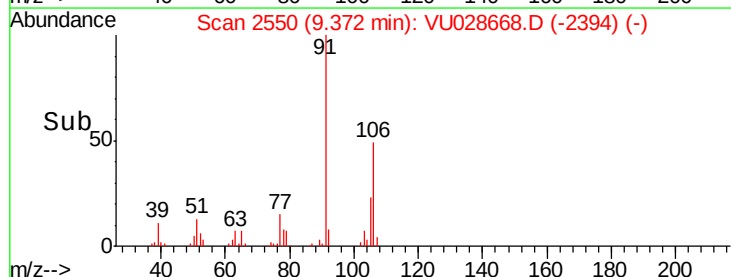
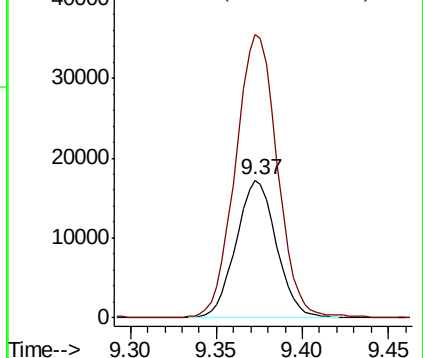
106 100

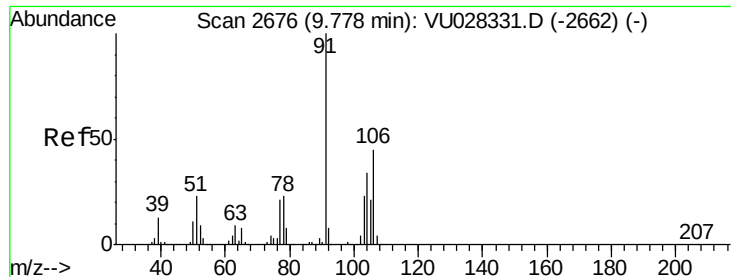
91 214.7 170.6 256.0



Abundance Ion 106.00 (105.70 to 106.70): VU028331.D (-2535) (-)

Ion 91.00 (90.70 to 91.70): VU028331.D (-2535) (-)





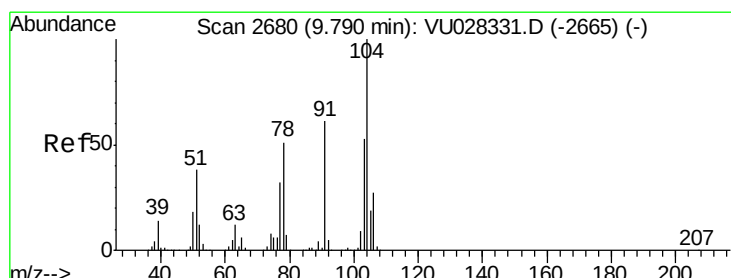
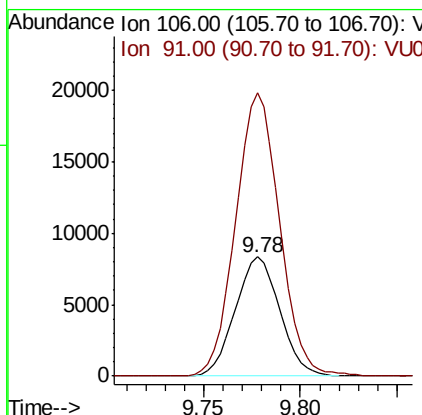
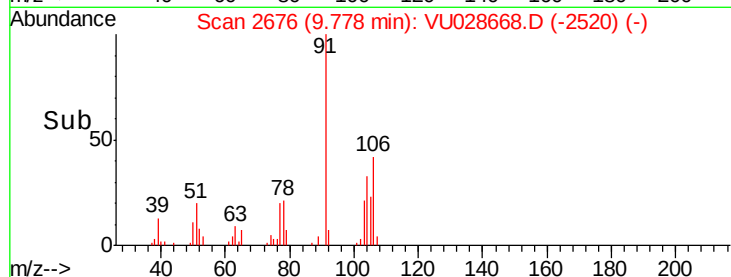
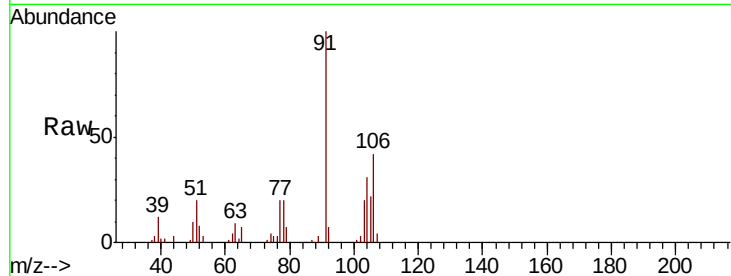
#65
o-Xylene
Concen: 1.862 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Instrument :
MSVOA_U
ClientSampleId :
VU1214WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	234.1	112.3	337.0

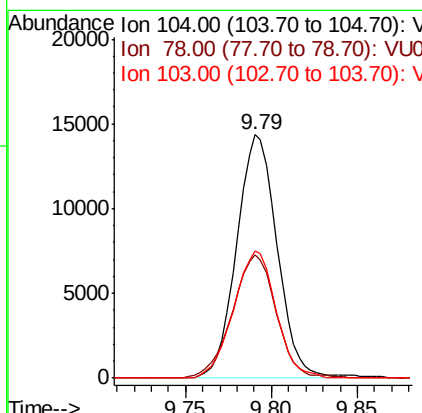
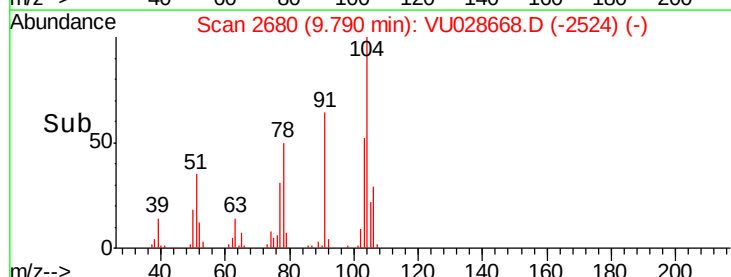
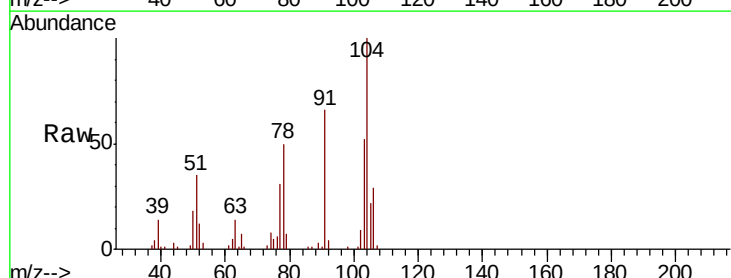
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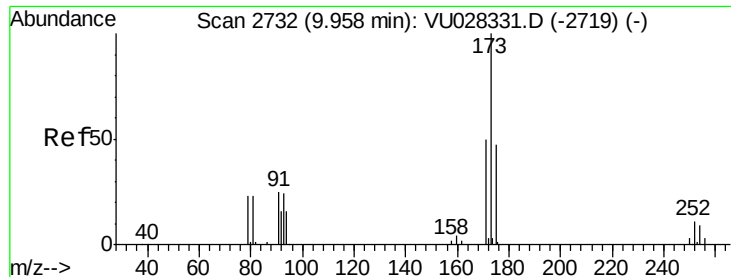
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#66
Styrene
Concen: 1.905 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Tgt Ion	Ratio	Lower	Upper
104	100		
78	55.0	44.0	66.0
103	54.7	45.2	67.8





#67

Bromoform

Concen: 2.011 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

Instrument :

MSVOA_U

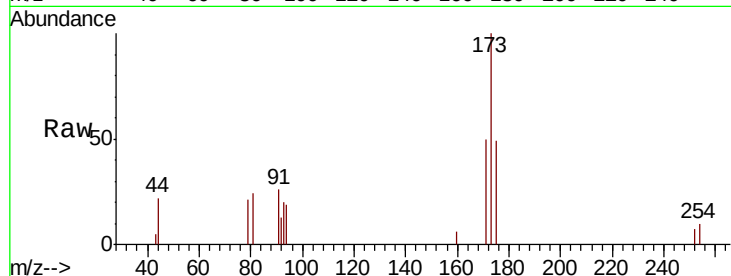
ClientSampleId :

VU1214WBS01

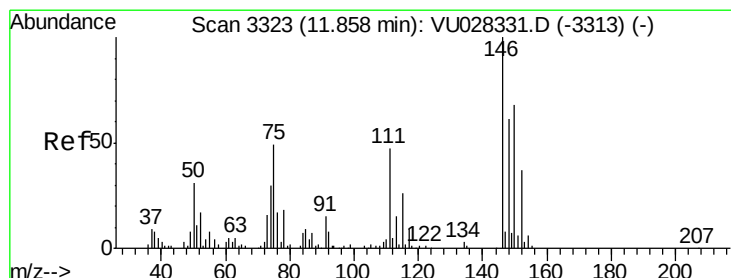
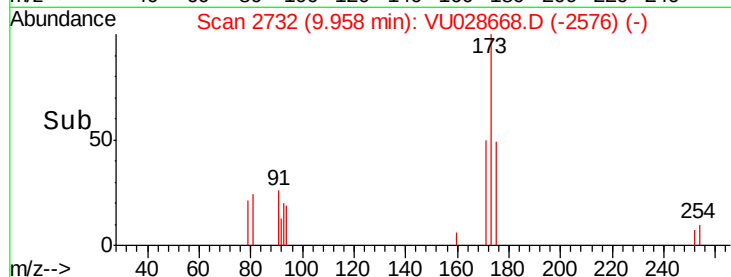
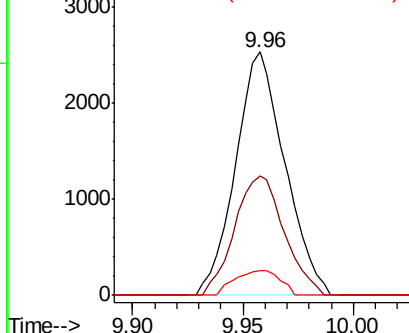
Tot Ion:	173	Resp:	3936
Ion Ratio	Lower	Upper	
173	100		
175	49.3	39.0	58.6
254	9.2	6.8	10.2

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



#68

1,2-Dichlorobenzene-d4

Concen: 2.011 ug/l

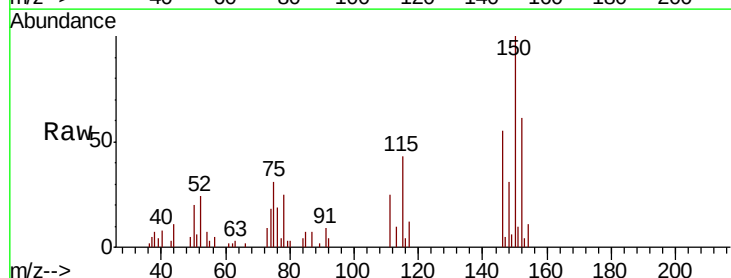
RT: 11.86 min Scan# 3324

Delta R.T. 0.00 min

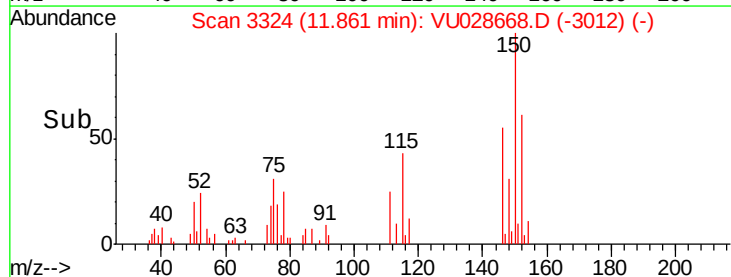
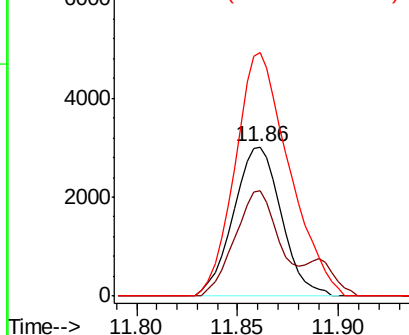
Lab File: VU028668.D

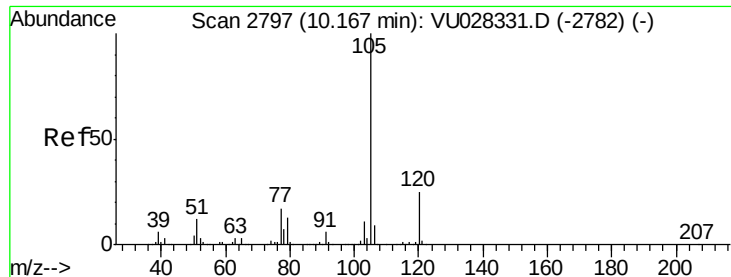
Acq: 13 Dec 2018 10:19

Tgt Ion:	152	Resp:	4999
Ion Ratio	Lower	Upper	
152	100		
115	65.9	0.0	146.8
150	183.9	0.0	653.2



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 1.922 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

Instrument :

MSVOA_U

ClientSampleId :

VU1214WBS01

Tot Ion:105 Resp: 36918

Ion Ratio Lower Upper

105 100

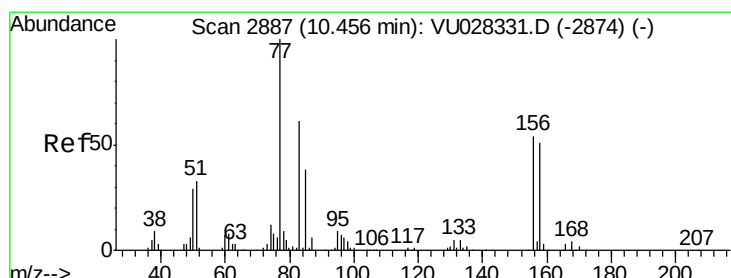
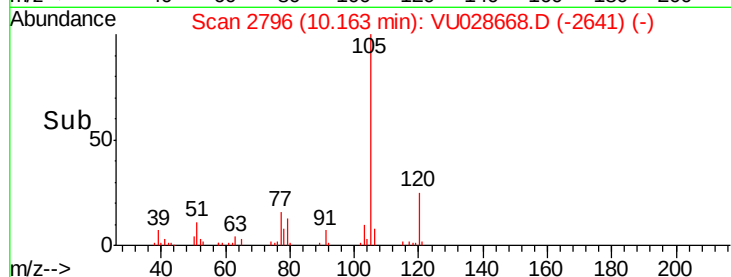
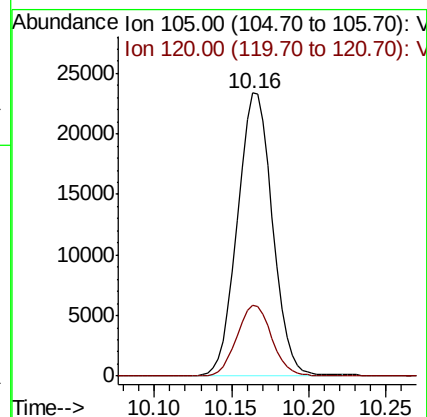
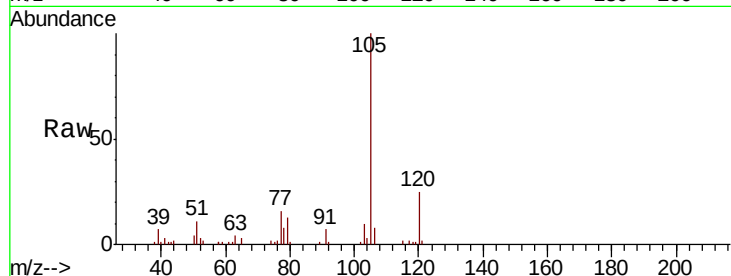
120 24.7 12.6 37.6

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#70

1,1,2,2-Tetrachloroethane

Concen: 2.109 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

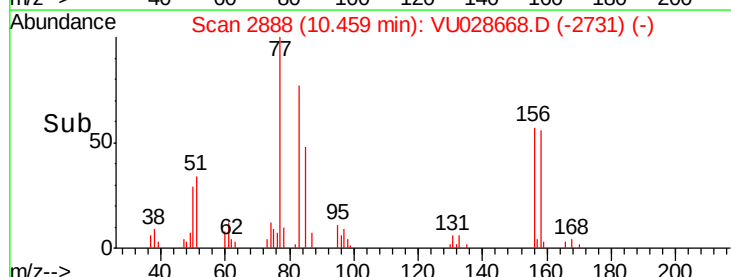
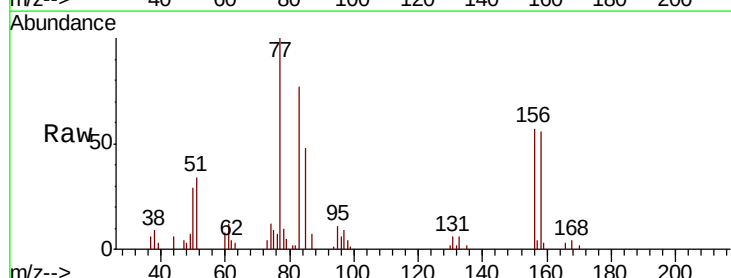
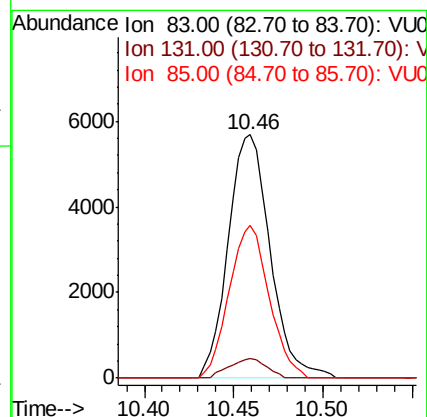
Tgt Ion: 83 Resp: 9285

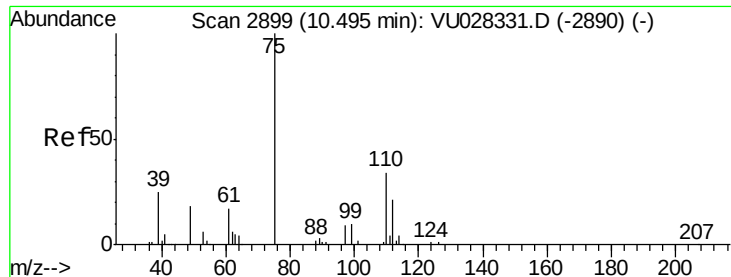
Ion Ratio Lower Upper

83 100

131 7.2 6.6 9.8

85 59.7 50.5 75.7





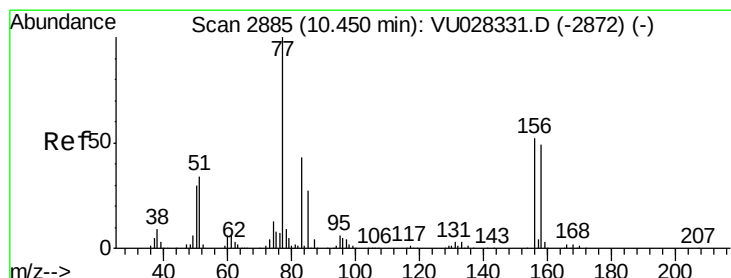
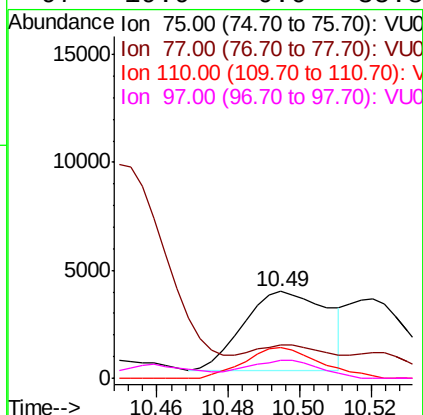
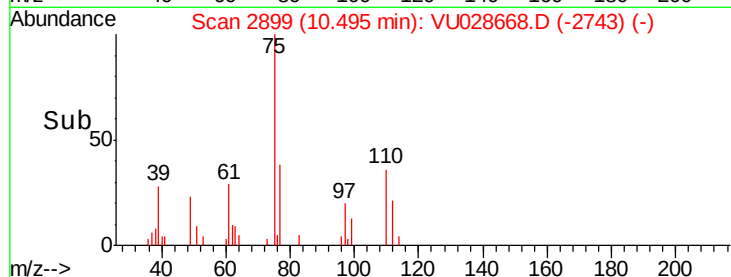
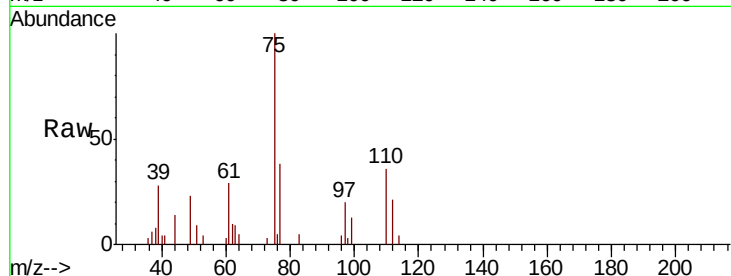
#71
 1,2,3-Trichloropropane
 Concen: 1.959 ug/l
 RT: 10.49 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: VU028668.D
 Acq: 13 Dec 2018 10:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1214WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	13.4	0.0	0.0#
110	34.5	0.0	67.6
97	19.9	0.0	35.8

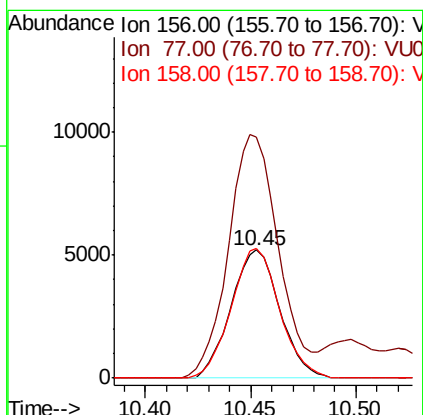
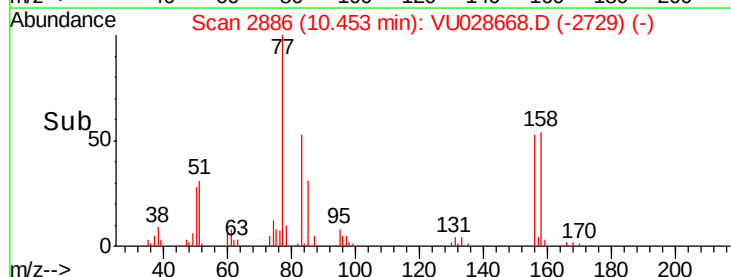
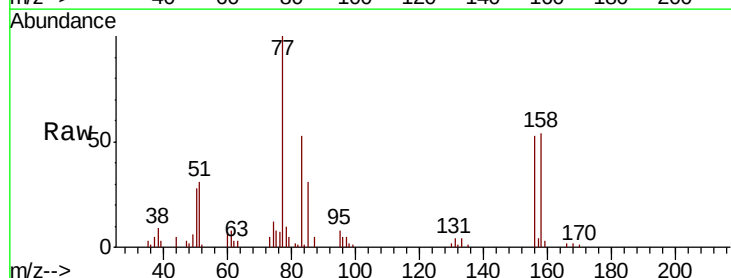
Manual Integrations
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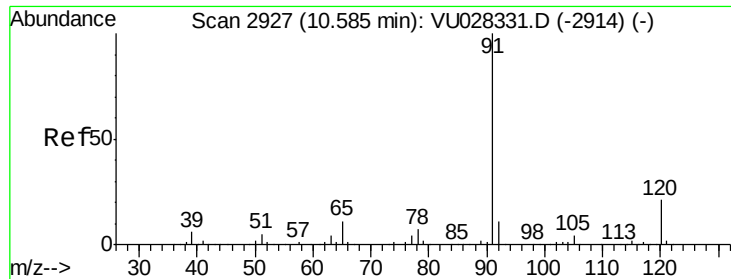
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#72
 Bromobenzene
 Concen: 1.961 ug/l
 RT: 10.45 min Scan# 2886
 Delta R.T. 0.00 min
 Lab File: VU028668.D
 Acq: 13 Dec 2018 10:19

Tgt Ion	Ratio	Lower	Upper
156	100		
77	196.7	0.0	380.4
158	100.3	0.0	191.2





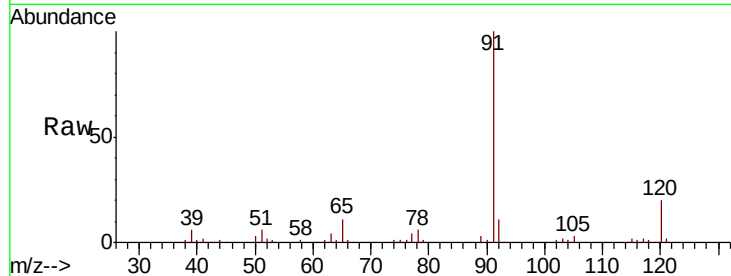
#73
n-propylbenzene
Concen: 1.938 ug/l
RT: 10.58 min Scan# 2927
Delta R.T. 0.00 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Instrument :
MSVOA_U
ClientSampleId :
VU1214WBS01

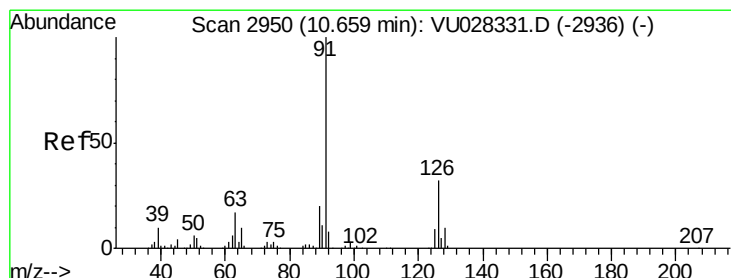
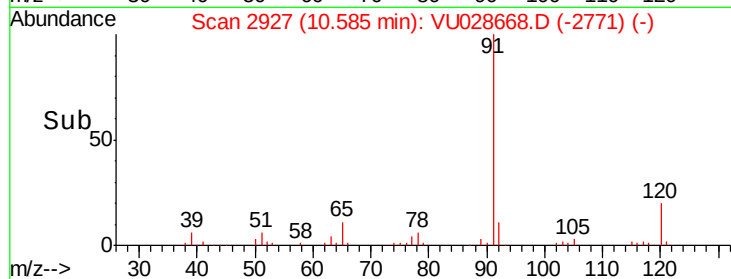
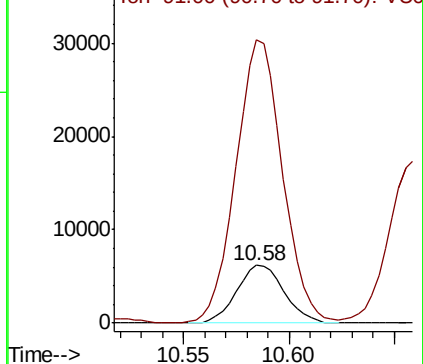
Tot Ion:120 Resp: 9654
Ion Ratio Lower Upper
120 100
91 482.4 388.1 582.1

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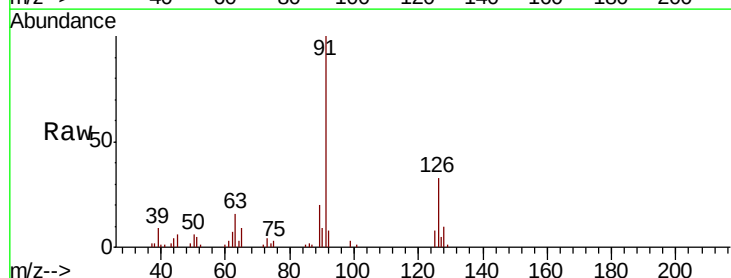


Abundance Ion 120.00 (119.70 to 120.70): V
Ion 91.00 (90.70 to 91.70): VU0

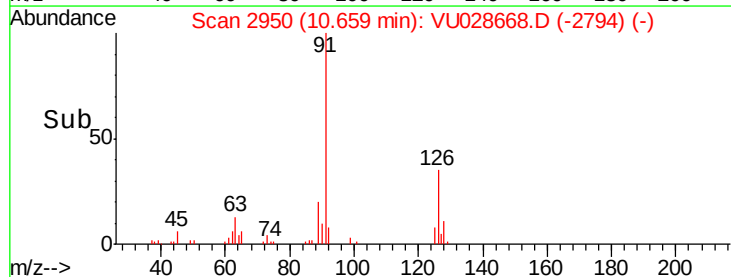
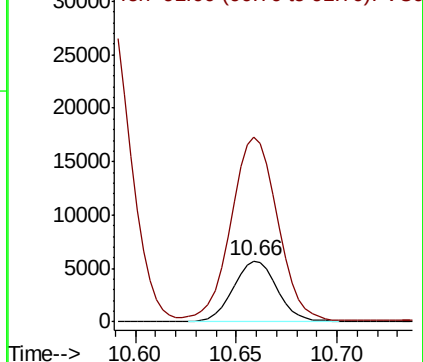


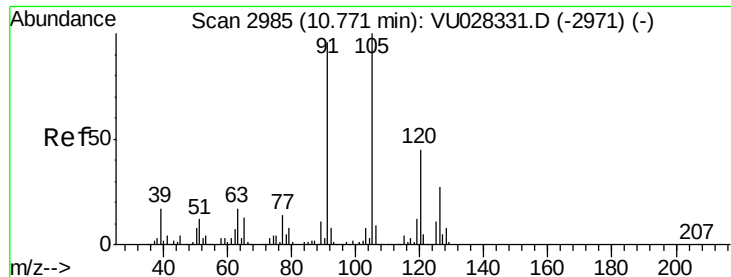
#74
2-Chlorotoluene
Concen: 1.992 ug/l
RT: 10.66 min Scan# 2950
Delta R.T. 0.00 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Tgt Ion:126 Resp: 8695
Ion Ratio Lower Upper
126 100
91 317.6 0.0 661.0



Abundance Ion 126.00 (125.70 to 126.70): V
Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 1.953 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

Instrument :

MSVOA_U

ClientSampleId :

VU1214WBS01

Tot Ion:105 Resp: 31562

Ion Ratio Lower Upper

105 100

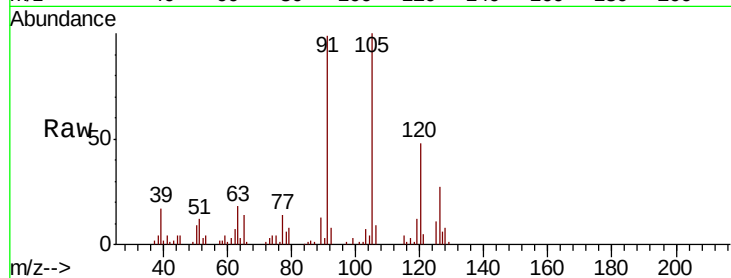
120 47.2 36.3 54.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.77

20000

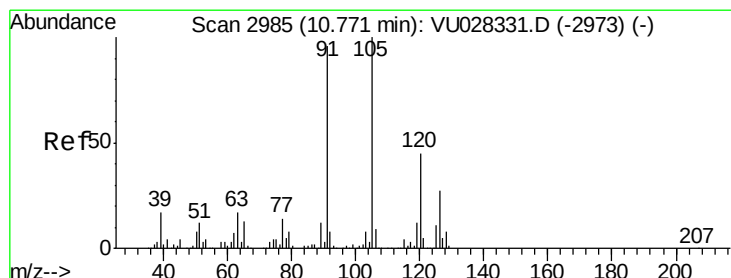
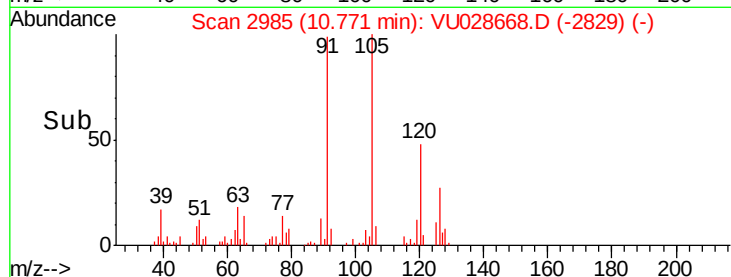
15000

10000

5000

0

Time-->



#76

4-Chlorotoluene

Concen: 1.974 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028668.D

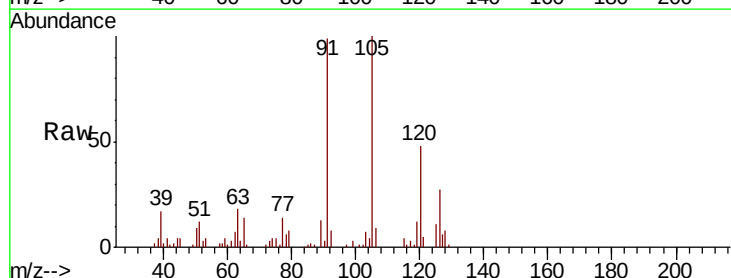
Acq: 13 Dec 2018 10:19

Tgt Ion:126 Resp: 8737

Ion Ratio Lower Upper

126 100

91 355.1 0.0 731.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

10.77

20000

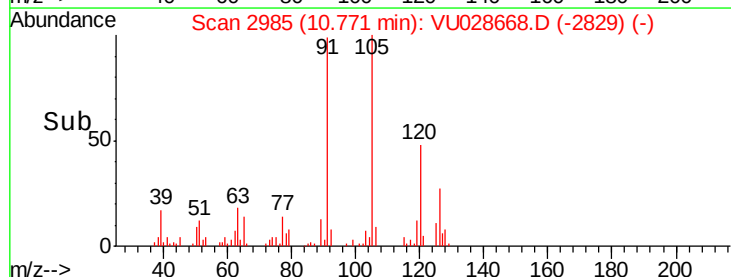
15000

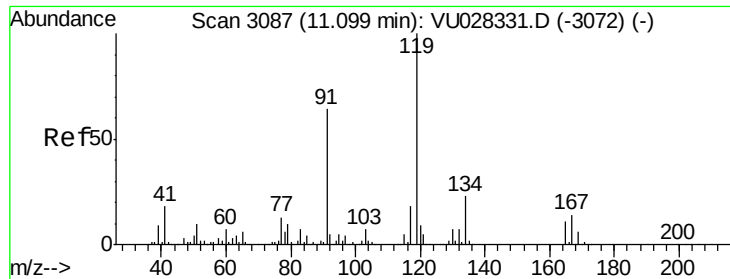
10000

5000

0

Time-->





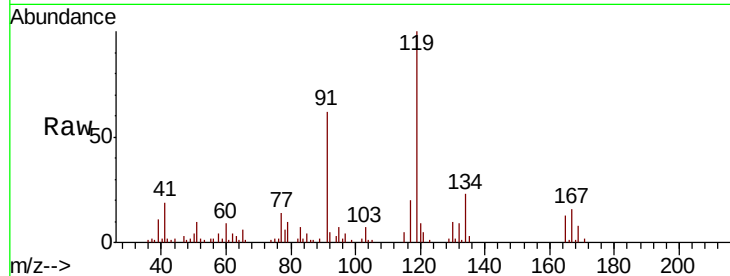
#77
 tert-Butylbenzene
 Concen: 1.920 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU028668.D
 Acq: 13 Dec 2018 10:19

Instrument :
 MSVOA_U
 ClientSampleID :
 VU1214WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	29215		
91	63.2		32.0	96.0
134	24.0		17.9	26.9

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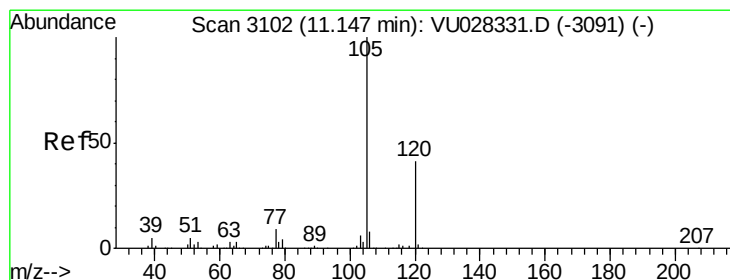
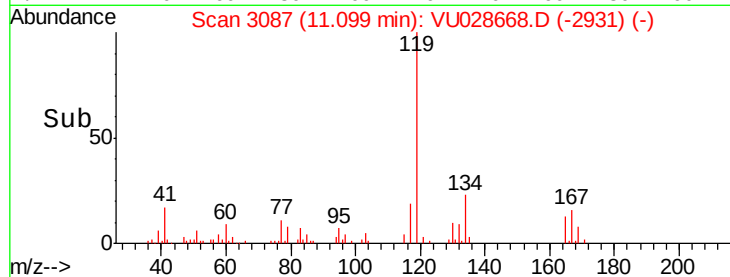
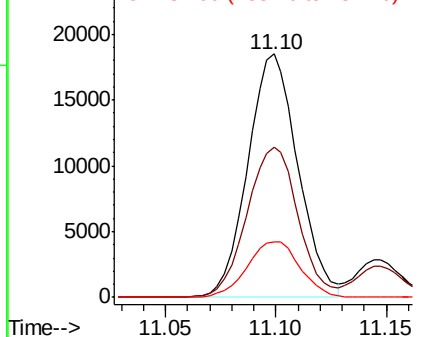


Abundance

Ion 119.00 (118.70 to 119.70): V

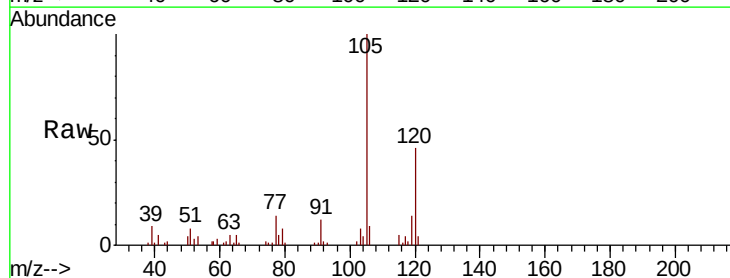
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#78
 1,2,4-Trimethylbenzene
 Concen: 1.893 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU028668.D
 Acq: 13 Dec 2018 10:19

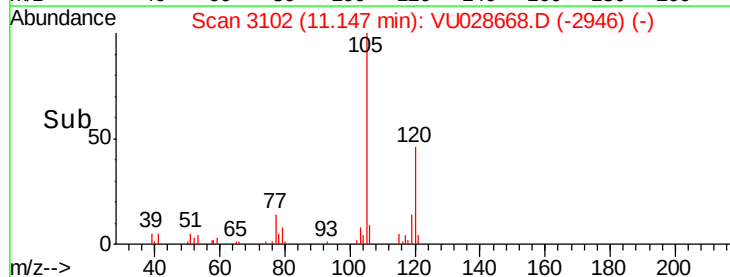
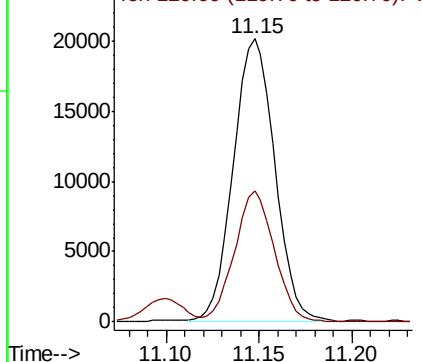
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	31362		
120	44.3		21.9	65.8

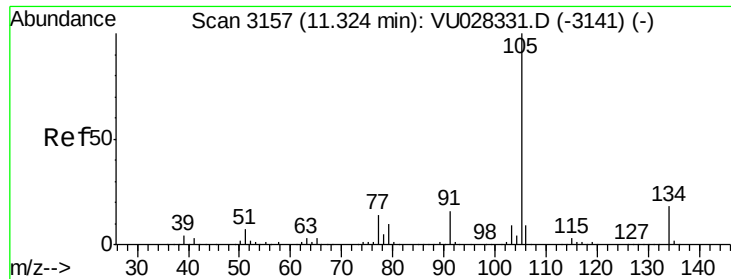


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 1.895 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

Instrument :

MSVOA_U

ClientSampleId :

VU1214WBS01

Tot Ion: 105 Resp: 40198

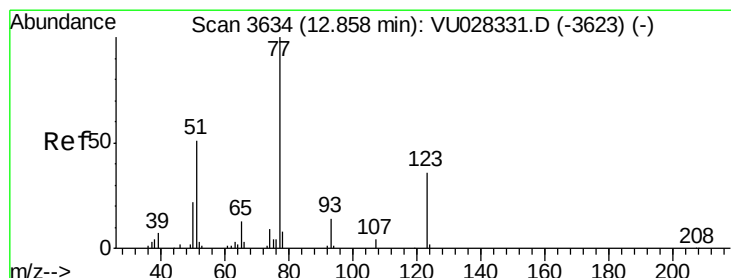
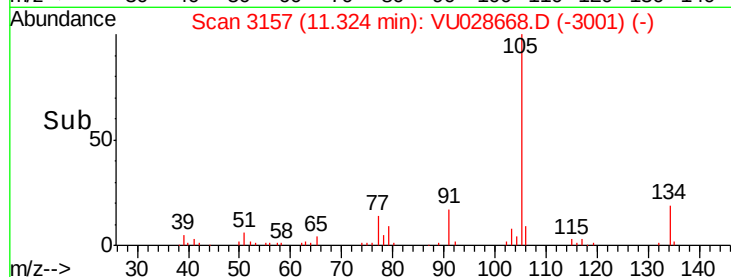
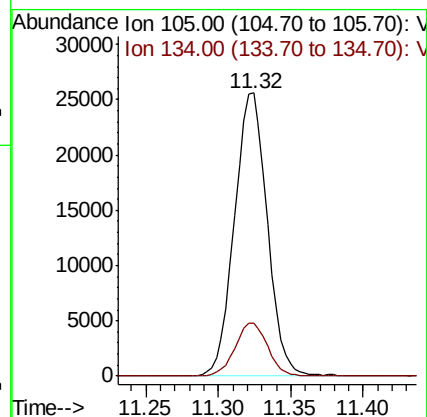
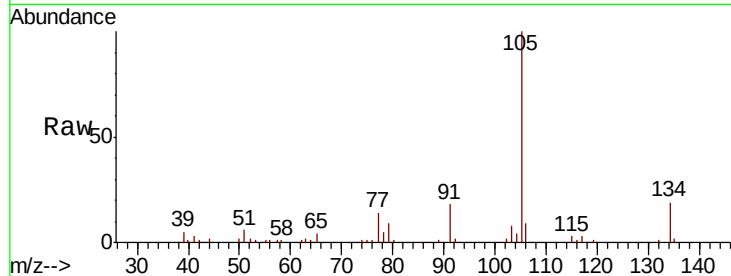
Ion Ratio Lower Upper

105 100

134 18.5 14.6 22.0

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#80

Nitrobenzene

Concen: 9.729 ug/l

RT: 12.86 min Scan# 3636

Delta R.T. 0.01 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

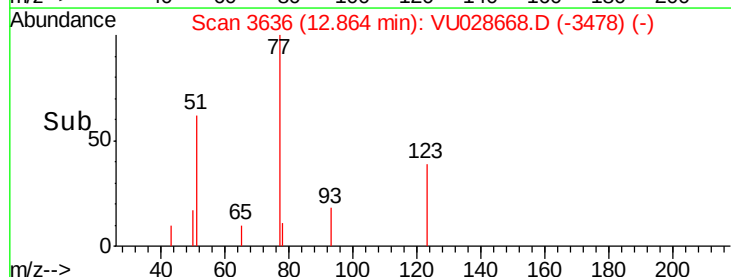
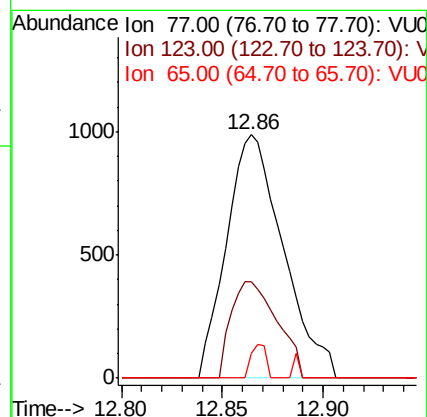
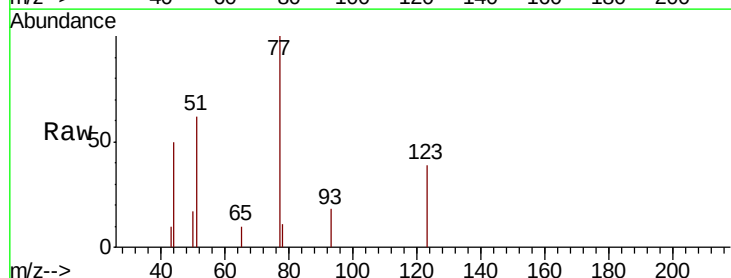
Tgt Ion: 77 Resp: 1930

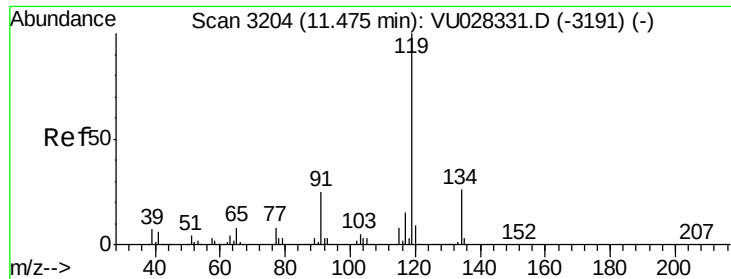
Ion Ratio Lower Upper

77 100

123 32.5 16.5 58.3

65 3.6 12.1 15.3#





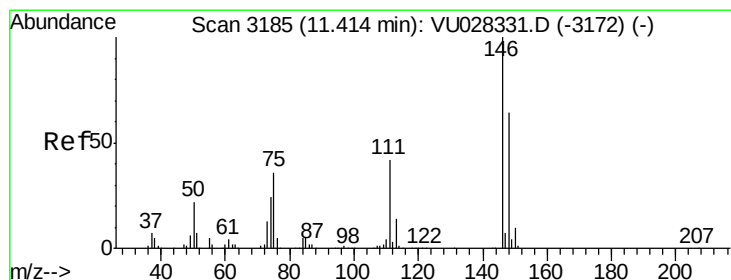
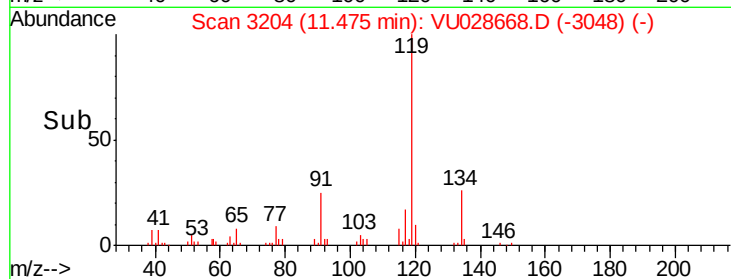
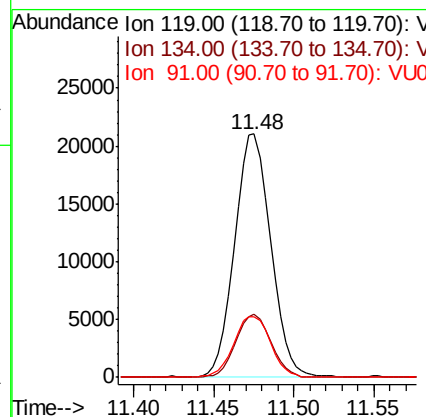
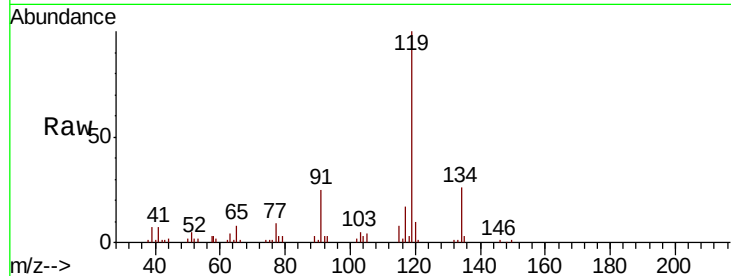
#81
p-Isopropyltoluene
Concen: 1.921 ug/l
RT: 11.48 min Scan# 3204
Delta R.T. 0.00 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Instrument :
MSVOA_U
ClientSampleId :
VU1214WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.3	30.5
91	25.4	20.0	30.0

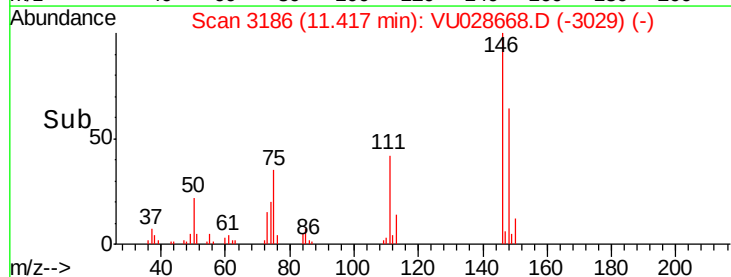
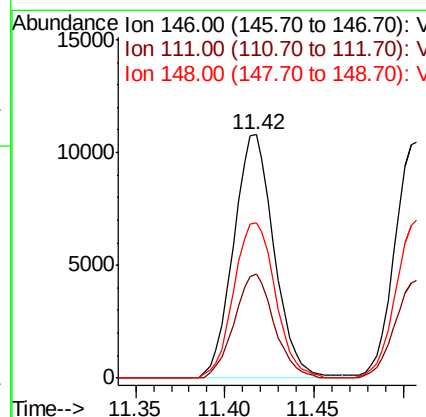
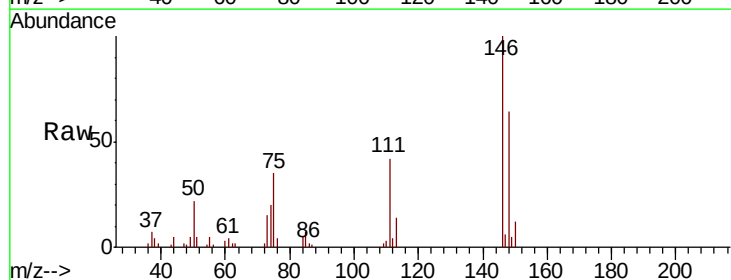
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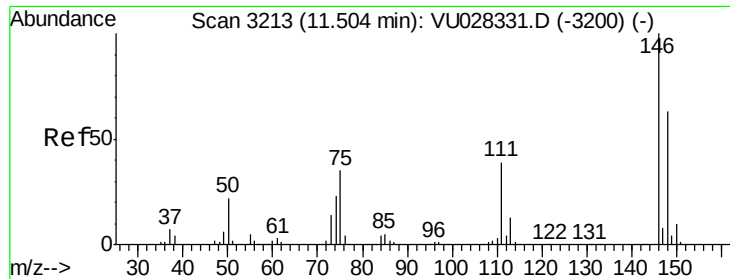
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#82
1,3-Dichlorobenzene
Concen: 2.007 ug/l
RT: 11.42 min Scan# 3186
Delta R.T. 0.00 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	33.4	50.2
148	65.3	51.2	76.8





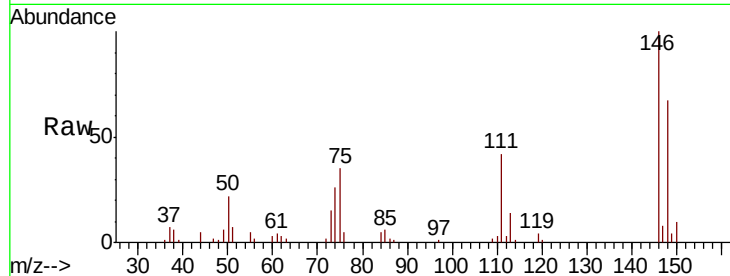
#83
1,4-Dichlorobenzene
Concen: 1.944 ug/l
RT: 11.51 min Scan# 3214
Delta R.T. 0.00 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Instrument :
MSVOA_U
ClientSampleId :
VU1214WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	31.4	47.2
148	66.6	50.7	76.1

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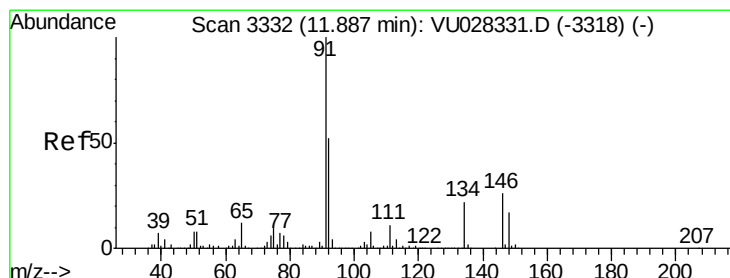
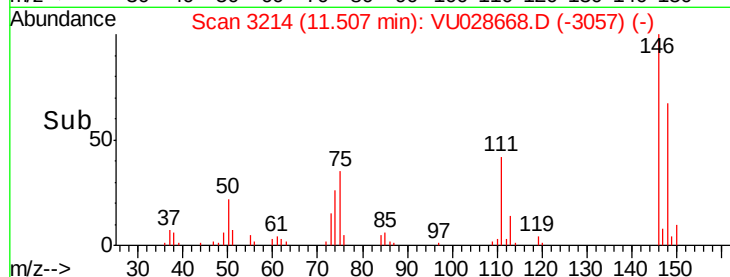
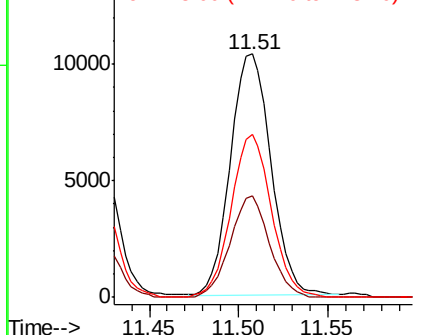


Abundance

Ion 146.00 (145.70 to 146.70): V

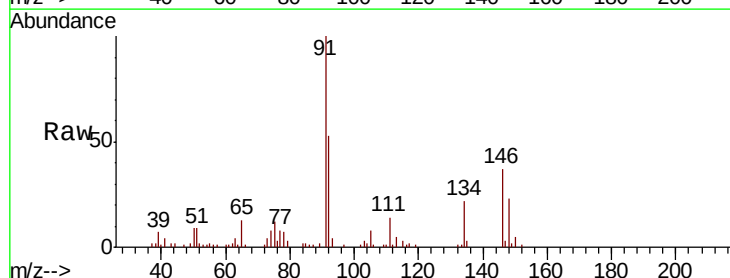
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84
n-Butylbenzene
Concen: 1.829 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.7	41.6	62.4
134	22.2	17.8	26.6

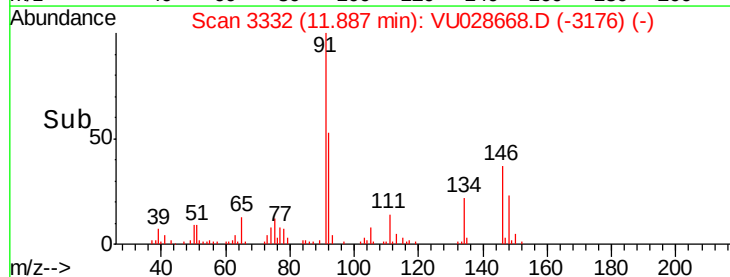
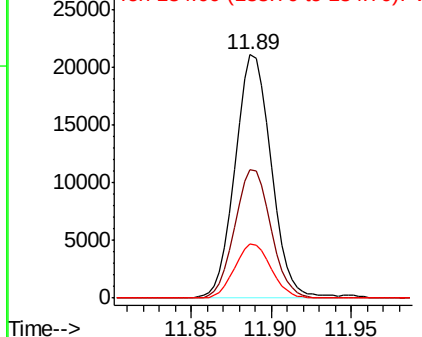


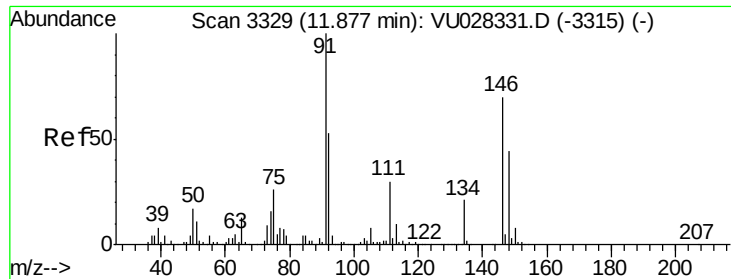
Abundance

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





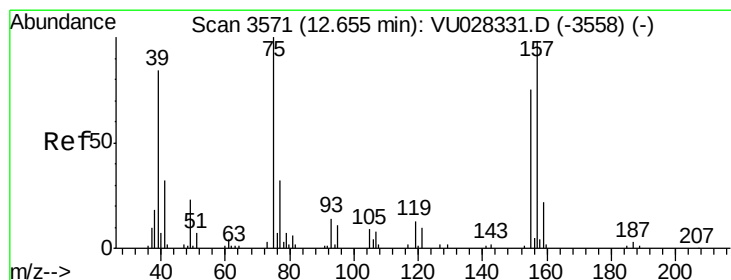
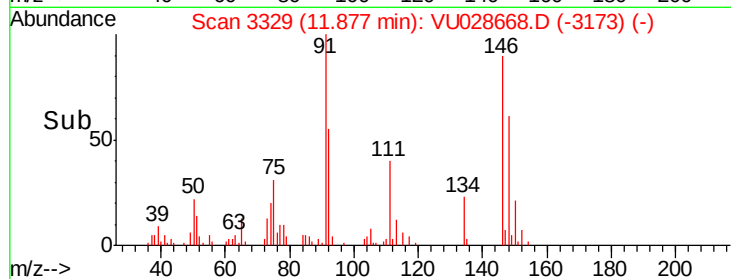
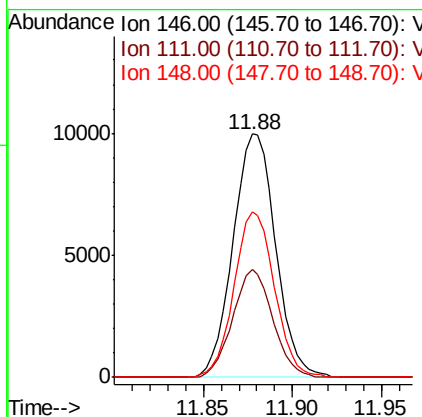
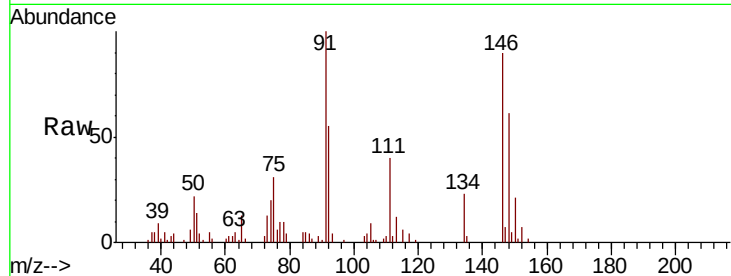
#85
 1,2-Dichlorobenzene
 Concen: 2.046 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU028668.D
 Acq: 13 Dec 2018 10:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1214WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.4	64.3
148	64.4	31.4	94.2

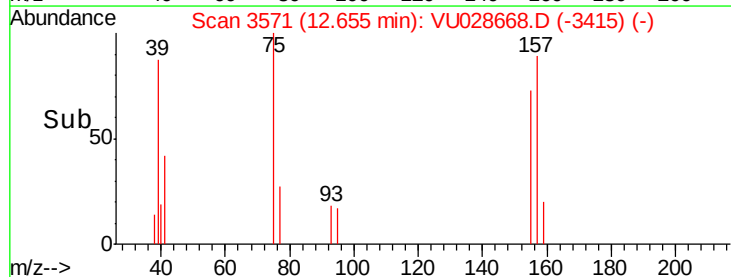
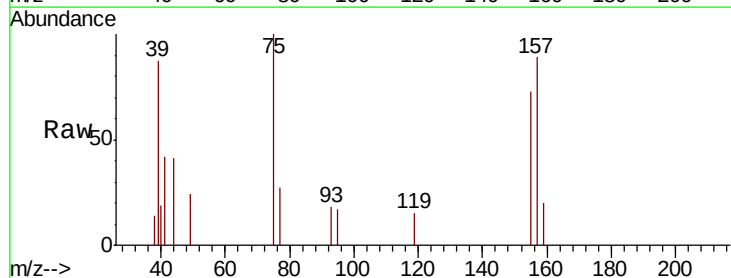
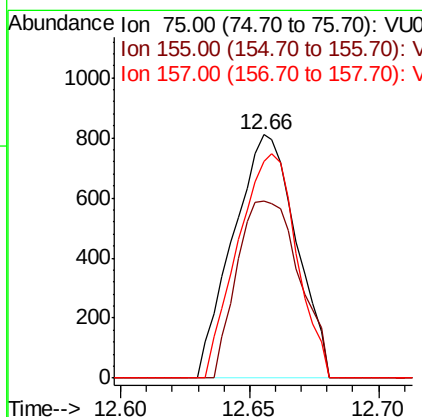
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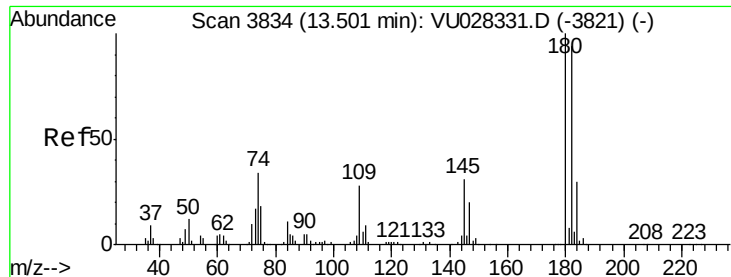
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 1.948 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU028668.D
 Acq: 13 Dec 2018 10:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.0	57.0	85.4
157	86.1	75.4	113.2





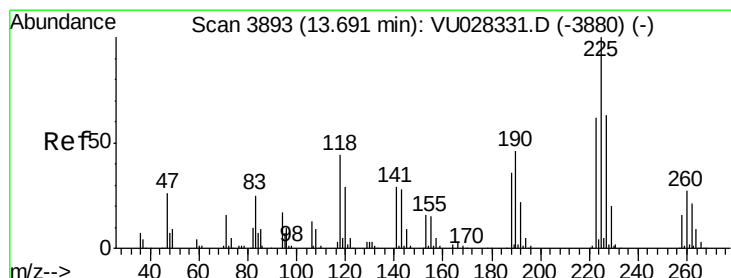
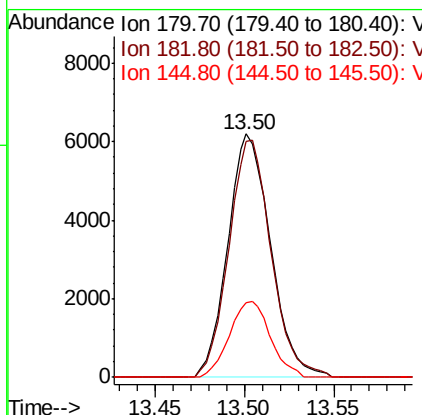
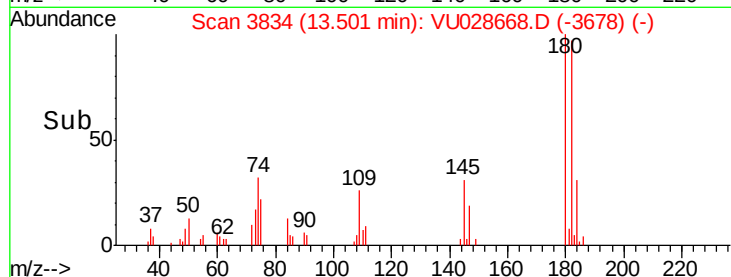
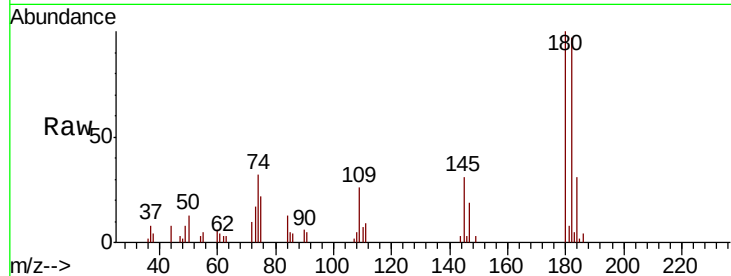
#87
 1,2,4-Trichlorobenzene
 Concen: 1.802 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU028668.D
 Acq: 13 Dec 2018 10:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1214WBS01

Tot Ion:	180	Resp:	10295
Ion Ratio	Lower	Upper	
180	100		
182	96.6	75.6	113.4
145	29.8	24.4	36.6

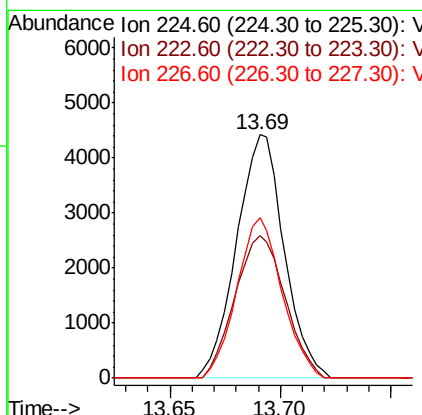
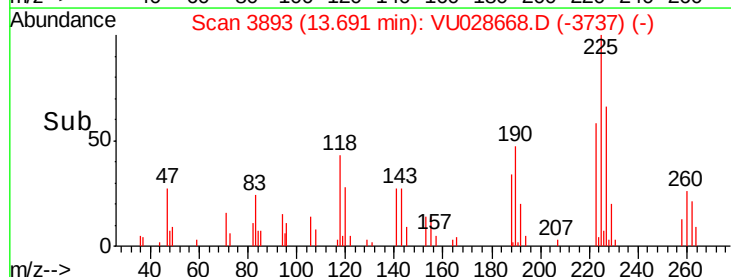
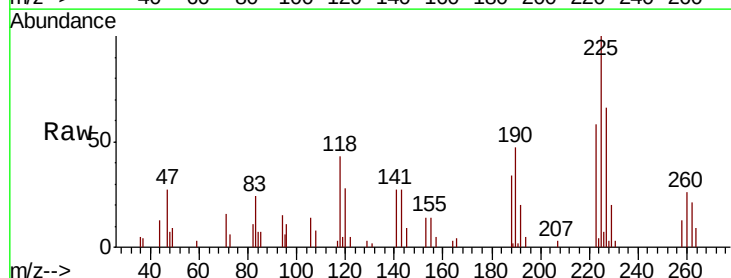
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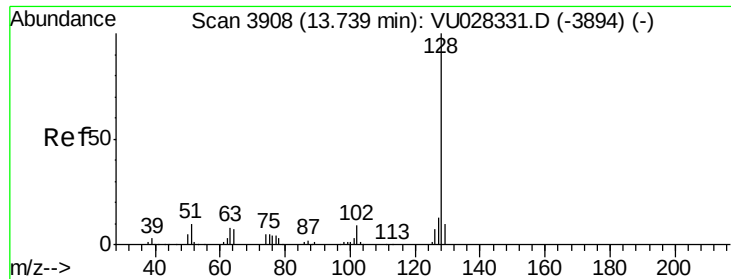
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 12/14/2018 9:32:18 AM



#88
 Hexachlorobutadiene
 Concen: 2.145 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU028668.D
 Acq: 13 Dec 2018 10:19

Tgt Ion:	225	Resp:	6632
Ion Ratio	Lower	Upper	
225	100		
223	61.6	50.6	76.0
227	62.4	50.8	76.2





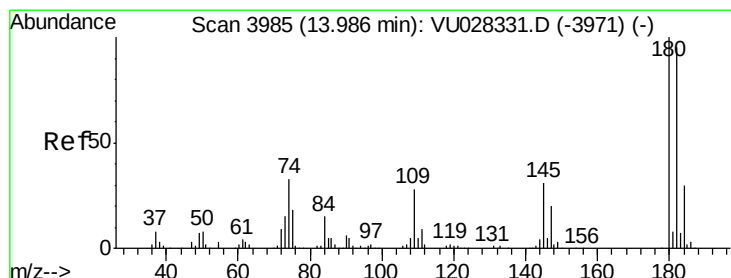
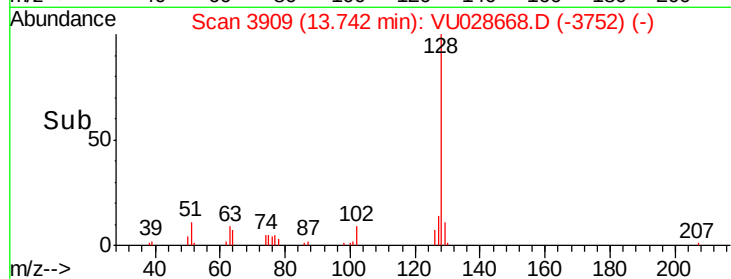
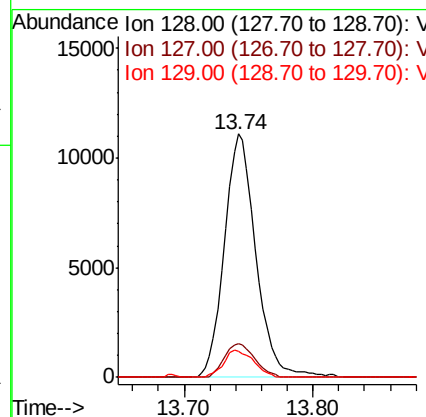
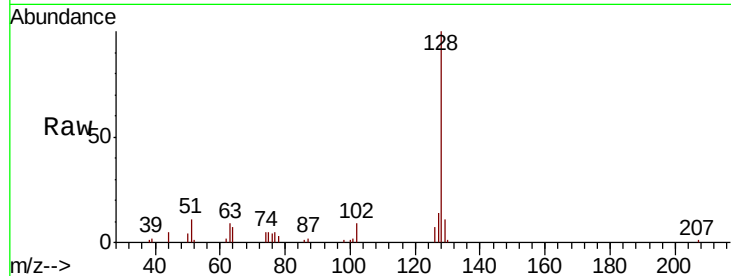
#89
Naphthalene
Concen: 1.663 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Instrument :
MSVOA_U
ClientSampleId :
VU1214WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.3	15.5
129	10.5	8.2	12.4

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#90
1,2,3-Trichlorobenzene
Concen: 1.790 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.9	76.1	114.1
145	32.3	26.0	39.0

